

May 28, 2025

Lucia Olivera, Division Administrator Federal Highway Administration 585 Shepard Way Helena, MT 59601-9785

Subject: US 93 N – Post Creek Hill Re-Evaluated Final Supplemental Environmental Impact

Statement (for the Post Creek Hill segment only)

Project No. NH 5-2(159)37 Control No. 8008000

Dear Ms. Olivera:

The US 93 corridor from Evaro to Polson was evaluated for environmental impacts in the 1996 *U.S. Highway 93-Evaro to Polson-Missoula and Lake Counties, Montana: FEIS* with the Record of Decision (ROD) signed by your agency on August 12, 1996. The ROD, however, deferred making a decision on the lane configurations, mitigation measures and a Section 4(f) determination until agreement was reached by Federal Highway Administration (FHWA) and Montana Department of Transportation (MDT), along with the Confederated Salish and Kootenai Tribes (CSKT) as a cooperating agency. Representatives from MDT, FHWA and CSKT then negotiated and signed a *Memorandum of Agreement – US 93 Evaro to Polson* (referred to as the US 93 Corridor MOA) on December 20, 2000. The US 93 Corridor MOA excluded a section between the Dublin Gulch/Red Horn Road intersection (Reference Post (RP) 37.1) and just north of the Baptiste/Spring Creek Road intersection (RP 48.7) which is referred to as the US 93 Ninepipe/Ronan project corridor. A *Supplemental Environmental Impact Statement (SEIS) for the US 93 Ninepipe/Ronan section* was signed by your agency on February 14, 2008 and the ROD was signed by your agency on May 21, 2008.

The purpose of this letter is to request FHWA concurrence that the following proposed design changes, changed conditions and updated environmental information do not result in significant changes that would require preparation of an additional SEIS. The request for FHWA action pertains only to the US 93 N – Post Creek Hill improvements (RP 36.8 to 40.4).

Re-evaluation of the approved SEIS is required for FHWA action. Pursuant to 23 CFR 771.129(b), this re-evaluation is intended to a) identify and analyze changes that have occurred as a result of design and b) consider any new information available regarding the project and the study area, including changes in the design and scope, new or modified laws and regulations, or change within the affected environment. Due to project timing and complexity, only the US 93 N – Post Creek Hill segment (RP 36.8 to 40.4) of the US 93 Ninepipe/Ronan corridor is addressed in this document. The purpose and need for the entire US 93 Ninepipe/Ronan corridor, including the US 93 N – Post Creek Hill project (RP 36.8 to 40.4), has not changed.

UPDATED PROJECT INFORMATION

The US 93 Ninepipe/Ronan corridor will be constructed in multiple phases based upon available funding. A project location map is included as Figure 1 with project segments described below:

- The proposed US 93 N Post Creek Hill project (UPN 8008000) begins approximately 10.2 miles south of Ronan, near the Red Horn Road/Dublin Gulch Road intersection (RP 36.8). The project extends north on US 93 just past the Gunlock Road/Olsen Road intersection (RP 40.4) for a length of 3.6 miles. The Post Creek Hill project corridor is in Lake County, beginning in Sections 1 and 2 and ending in Sections 25 and 26, Township 19 North, Range 20 West. Construction is tentatively planned to begin in 2026.
- The remaining segment, generally referred to as the **Ninepipe Segment**, is between RP 40.4 and 44.6. Based on project delivery and available funding, development of this segment will progress through multiple projects.
 - o RP 40.4 to 40.8 Eagle Pass Trail South: this portion of the Ninepipe segment is currently unfunded with the construction date to be determined.
 - o RP 40.8 to 44.5 south of Eagle Pass Trail to Brook Lane: These projects include SF 179 Eagle Pass Trail Safety HSIP STWD(762), UPN 9614001; US-93 Wildlife Overpass SSS 5-2(204)41, UPN 10567000; US-93 North Ninepipe SSS 5-2(202)41, UPN 10568000. A progressive design-build team has been selected for these projects and construction is tentatively planned to begin in 2027.
- The proposed US 93 **Ronan-Urban** project (UPN 1744013) begins approximately 1.4 miles south of Ronan, near Brooke Lane (RP 44.6). The proposed project extends north on US 93 to north of the Baptiste Road/Spring Creek Road intersection (RP 48.7) for a length of 4.1 miles. The Ronan-Urban project is located in Lake County, on the section line between Sections 1 and 2, Sections 11 and 12, and Sections 13 and 14, Township 20 North, Range 21 West and on the section line between Sections 24 and 25 and in Section 36 of Township 21 North, Range 20 West.

The Ronan-Urban project was split into the following segments for construction:

- Ronan-North, NH 5-2 (172) 47, UPN 1744019: Construction of this project began in November 2022 and was completed in November 2024, aside from design changes at US 93, Old US 93 and 3rd Avenue.
- o US 93-Ronan (Urban) NH 5-2 (173) 45, UPN 1744020
- There is potential for the project to be split into a third segment, Ronan-South. No further information is available at this time.

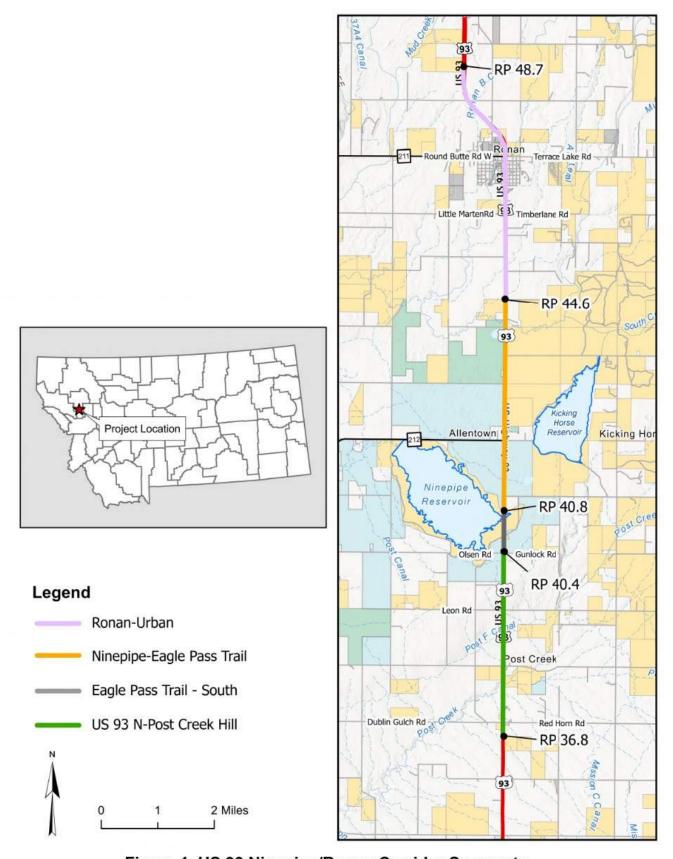


Figure 1. US 93 Ninepipe/Ronan Corridor Segments

<u>Updated Design Year:</u> Due to the passage of time, MDT has changed the **project design year** to 2040. Daily traffic projections have been revised for the Post Creek Hill segment as shown in Table 1.

Table 1. Updated Post Creek Hill Traffic Volumes

		Daily Traffic Volumes by Year (vehicles per day) (vpd)		
Land Use	RP	2024 (estimate)	2025 (projected)	2040 (projected)
Rural	RP 36.8 to 40.4	8,390	8,470	10,340

<u>Threatened Species Update:</u> A revised Biological Assessment (BA) for the US 93 Evaro to Polson highway corridor was prepared in October 2017 to address changes in regulatory actions from the original BA, prepared in 2005. During formal consultation with the US Fish and Wildlife Service (USFWS), updates were made to the BA to address species listing changes. The USFWS completed the Biological Opinion (BO) in November 2020 and determined the following:

- *Likely to adversely affect:* bull trout and grizzly bear.
- *No effect:* bull trout critical habitat, Canada lynx, water howelia, Spalding's campion, meltwater lednian stonefly, yellow-bill cuckoo.
- *Not likely to jeopardize the continued existence of:* North American wolverine and whitebark pine.

Since the completion of the original Post Creek Hill Biological Resources Report (BRR) and 2017 revised BA, the North American wolverine has been listed as threatened, the monarch butterfly has been listed as proposed threatened, and the Suckley's cuckoo bumblebee has been listed as proposed endangered. Additionally, the USFWS list has been better defined to include project areas rather than county-wide species lists. As a result, the water howlia, Spalding's campion, and meltwater lednian stonefly are no longer considered potential species within the project area.

To reflect these changes, an update to the Post Creek Hill BRR was prepared by Shane Talley with MDT on October 11, 2024 (**Attachment 1**). This updated BRR includes the following determinations:

- Wolverine: *No Effect*.
- Monarch butterfly: *Will not jeopardize the continued existence* of the monarch butterfly.

An additional update to the Post Creek Hill BRR was prepared by Morrison-Maierle on May 28, 2025 (**Attachment 1**). This updated BRR includes the following determination:

- Monarch butterfly: Status changed from candidate to proposed threatened; will not jeopardize the continued existence of the monarch butterfly.
- Suckley's cuckoo bumble bee: *Will not jeopardize the continued existence* of the Suckley's cuckoo bumble bee.

In addition, the May 28, 2025, BRR Update includes the identification of a bald eagle nest approximately 0.3 miles west of the Olson/Gunlock Road intersection. Timing restrictions for the protection of nesting eagles will be included as a special provision in the contract documents.

<u>Wetland Delineation Update:</u> Since the time of the 2008 SEIS, there have been multiple reverifications of the wetlands and waterways within the Post Creek project corridor, in addition to expansion of investigation limits in certain areas. A full re-delineation of the Post Creek project corridor was completed by Morrison-Maierle environmental scientists in August and September 2024 to ensure existing conditions are used for calculating impacts as the project reaches final design. The following tables provide a summary of surface waters, irrigation canals, and wetlands within the investigation area.

Table 2. Surface Water Bodies Located in the Post Creek Project Corridor

Waterbody	Approximate Location (RP)	Linear Feet in Investigation Corridor	Crossing Type
Ashley Creek	37.4 to 37.8	1,307	Culvert
Post Creek	37.8	4,088	Bridge
Unnamed Tributary to Post Creek 2	37.8 to 38.1	2,012	Culvert
Unnamed Tributary to Post Creek 3	37.8 to 38.1	1,755	Culvert

As noted in the 2008 SEIS, Unnamed Tributary to Post Creek 1 was degraded with a high degree of siltation. At the time of the 2024 wetland delineation, Unnamed Tributary to Post Creek 1 no longer exhibits characteristics of a waterway and is characterized as a wetland feature due to its fully vegetated bottom and lack of a defined bed and bank. Therefore, it is no longer listed as a surface water within the project corridor.

Table 3. Irrigation Canals Located in the Post Creek Project Corridor

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System	Approximate	Relation to	Description
	Location (RP)	US 93	
Post F Canal	38.6	Crossing	8'S x 4'R RCB (147' long)
Unnamed Irrigation	39.8	Crossing	24" CSP Irrigation (98' long)
Ditch 1			
Unnamed Irrigation	39.8	Crossing	24" CSP Irrigation (126' long)
Ditch 2			
Post G Canal	39.9	Crossing	8'S x 4'R RCB (146' long)

Table 4. Approximate Wetland Area by Wetland Type and Total Area in the Post Creek Project Corridor

Wetland Type	Wetland Area (acres)
Palustrine Emergent (PEM)	67.7
Palustrine Scrub-Shrub (PSS)	7.8
Palustrine Forested (PFO)	9.5
Palustrine Aquatic Bed (PAB)	2.1

Wetland Type	Wetland Area
	(acres)
Palustrine Unconsolidated Bed (PUB)	1.2
TOTAL	88.3

For more details, the Aquatic Resource Technical Memo is provided in **Attachment 2**. Updated Wetland Determination Data Forms and MDT Montana Wetland Assessment Method forms are included as attachments to the report.

<u>Updated Floodplain Map:</u> Since the completion of the 2008 SEIS, the Federal Emergency Management Agency (FEMA) has released an updated Flood Insurance Rate Map (FIRM) for the project area. The updated FIRM panel (30047C0988C) was revised on February 6, 2013, and can be found in **Attachment 3**. This updated FIRM panel maintained the previous Post Creek and Ashley Creek floodplain Zone A boundary as identified in the 2008 SEIS.

Floodplain mapping for Post Creek at the project location is limited to the highway right-of-way because the adjacent lands are owned by the United States in Trust for CSKT. CSKT does not participate in the National Flood Insurance Program (NFIP). Floodplain mapping for Ashley Creek is included east of US 93 on privately owned lands south of the tribal lands through which Post Creek flows. Floodplain mapping for the Ashley Creek flooding source likely would be shown for a larger area if not for the adjacent tribal parcels. A Lake County floodplain permit will be acquired for work in proximity to the regulatory floodplain.

Cultural Resources Update:

A cultural resource survey for the project area was conducted in 2015 to update the original 1992 survey. Two historic properties were determined eligible for the National Register of Historic Places: The Post F Canal of the Flathead Irrigation Project (SKP-LA-0418) and the Weber Residence (SKP-LA-0230/24LA0156). The proposed project was determined to have No Effect on either property. Tribal Historic Preservation Office (THPO) concurrence of No Effect was received on May 2, 2016. MDT received documentation of updated project concurrence of the No Effect determination on May 19, 2025, from CSKT THPO. Correspondence between MDT and THPO is provided in **Attachment 4**. No additional cultural resource surveys are required at this time. CSKT Preservation will be notified of proposed construction timelines and have the opportunity to monitor on site during construction.

<u>Stream Mitigation and Restoration:</u> The Final SEIS mitigation measures stated that onsite restoration and enhancement would be explored at Ashley Creek and unnamed tributaries to Post Creek 1, 2, and 3 during final design. A stream mitigation study conducted in 2020 included riparian restoration along Post Creek at and upstream of the new bridge, restoration at Ashley Creek west of US 93, and relocation and consolidation of the unnamed tributary east of US 93.

Stream mitigation discussions halted for several years and were reinitiated in early 2025. Representatives for MDT and CSKT have been involved in stream mitigation meetings and the mitigation and restoration design for these features is ongoing. The following is a summary of proposed restoration and mitigation work options discussed to date:

Post Creek: Some restoration of Post Creek would occur as a function of the increased span of the new US 93 bridge. The existing road prism, bridge abutments, and riprap will be removed to the extent possible. The existing hydraulic training berms upstream of the bridge will be removed to allow natural system restoration of wetlands and more floodplain access for the stream. These changes will allow natural fluvial processes including channel migration to occur. Some additional restoration or realignment of Post Creek may occur and will be coordinated with CSKT environmental departments. The proposed wider bridge opening and removal of training berms would create a net benefit to the Post Creek corridor by introducing stream and riparian restoration and floodplain reconnection. Additional options for stream enhancement along Post Creek to count toward stream mitigation credits are being explored.

Ashley Creek: A new hydraulic structure would be constructed at Ashley Creek's intersection with Highway 93 at RP 37.6. A new channel would be constructed west of the highway to provide dispersed surface flow to Post Creek. The extent of realignment and detailed design of Ashley Creek mitigation has not been finalized, and discussions are ongoing.

Unnamed Tributaries to Post Creek: Two unnamed tributaries will be impacted by the widened roadway and require realignment. Unnamed Tributary to Post Creek 3 will be realigned outside the highway fill slopes from near its intersection with West Post Creek Road to approximately RP 37.9 where flows will be directed through a ditch block and CMP culvert under Highway 93. The outlet would be placed at an intersection with Unnamed Tributary to Post Creek 2 and existing wetlands.

As stated, design is ongoing for the mitigation and restoration elements at Post Creek, Ashley Creek, and the unnamed tributaries. The intent of the design will be to mitigate stream channel loss as a result of the Post Creek Hill project while meeting expectations and needs of CSKT and other agencies involved.

Section 4(f) Evaluation Update

The 2008 SEIS determined the preferred alternative would have unavoidable impacts to Section 4(f) properties. Pursuant to Section 6009 of Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users (SAFETEA-LU), FHWA determined the project would result in minor or 'de minimis' impacts on Section 4(f) resources. Ongoing discussions between MDT, CSKT, and FWP were held to discuss potential impacts to Section 4(f) properties. These meetings are documented in Section 4(f) De minimis Determination letters provided in **Attachment 5**.

There will be impacts to two CSKT Kerr Mitigation properties and three FWP WMA Section 4(f) properties by the proposed improvements. The alignment and grade design construction limits currently encroach onto these properties. Impacts to Section 4(f) properties have been minimized by steepening in-slopes to 4:1 recoverable rather than 6:1.

Letters requesting concurrence with the Department's *de minimis* determination were sent on March 15, 2019, to both representatives of CSKT and the Montana Department of Fish, Wildlife & Parks respectively. Signed concurrence of *de minimis* impacts was received for all five impacted properties.

The CSKT Section 4(f) *De minimis* Determination letter was signed on March 26, 2019. The letter stated the following:

• Acquisition of approximately 1.17 acres of Kerr Mitigation Land on parcels 123 and 127.

Design changes resulted in a new acquisition total of 0.93 acres of parcel 123 and 127.

The FWP Section 4(f) *De minimis* Determination letter was signed on April 11, 2019. The letter stated the following:

- Acquisition of up to approximately 6.54 acres of the Ninepipe WMA for highway ROW.
 - This includes estimated ROW needed to complete both the Post Creek Hill segment and the Ninepipe Segment. The Post Creek Hill segment alone will require approximately 1.07 acres of Ninepipe WMA acquisition on parcels 146, 147, and 152.

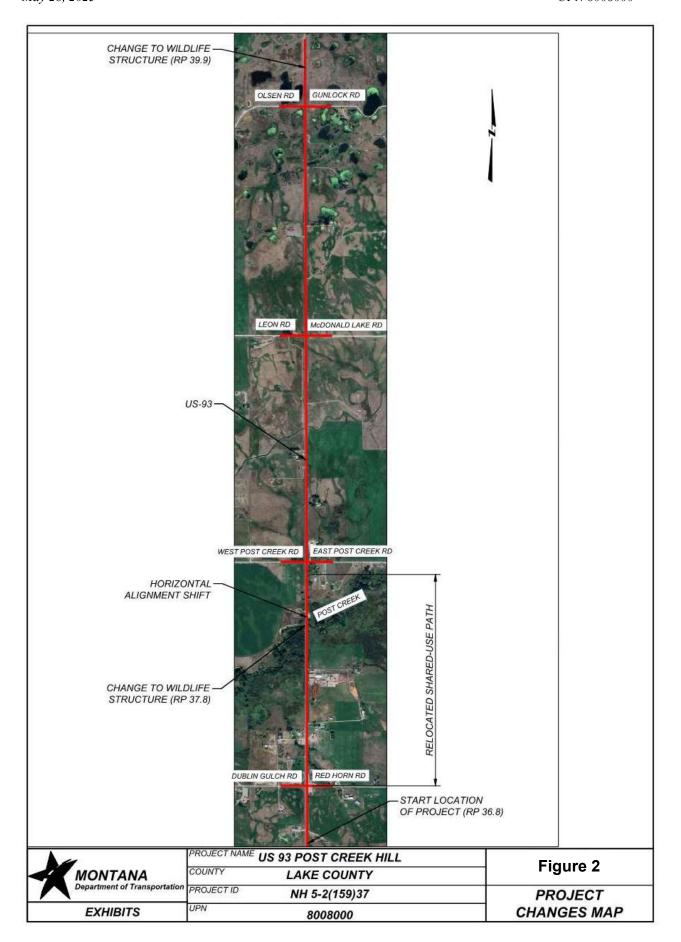
Design changes have resulted in a new acquisition total of 0.31 acres of parcels 147 and 152. No acquisition will be required on parcel 146.

Therefore, acquisition of 4(f) property has been reduced since the 2008 SEIS. Reduction in 4(f) property acquisition can be attributed to the relocation of the shared-use path to the east side of the highway and the refinement of the overall project design.

No Section 4(f) land owned by USFWS will be acquired as part of the Post Creek Hill project. Signed De Minimis 4(f) letters from CSKT and FWP are provided in **Attachment 5**.

CHANGED CONDITIONS AND RE-EVALUATION

Design changes and environmental conditions that are the subject of this re-evaluation are described below. Evaluation of potential impacts to resource areas is provided in this section. Careful consideration was given to meeting the intent of the SEIS/ROD, while proposing these changes. Figure 2, below, shows the locations of the design changes described in the following pages.



Design Change 1: Start Location of Project

The SEIS described the start of the US 93 Ninepipe/Ronan project at RP 37.1, at the Dublin Gulch Road/Red Horn Road intersection. The project start has been shifted to approximately 1,700 feet south of the Dublin Gulch Road/Red Horn Road intersection at RP 36.8. This change was implemented to tie into previously completed road construction to the south.

Design Change 2: Horizontal Alignment Shift at Post Creek

The centerline alignment at Post Creek bridge has shifted to the east of the SEIS centerline to keep the centerline on the Present Travelled Way (PTW). Between Sta 1+07.35 to approximately 58+09.59, the new roadway is centered on the existing PTW. The remainder will align in accordance with *Preferred Alternative Rural 3* as specified in the SEIS. The alignment change resulted from a CSKT request to minimize impacts to the forested area and wetlands on the west side of the highway.

Design Change 3: Relocating Shared-use Path

The 2008 SEIS identified that the project would provide a separated, shared-use path from the north terminus of the Ninepipe/Ronan segment to Buchanan Street in Ronan (RP 48.7 to 46.9). The separated shared-use path was extended throughout the entire Ninepipe/Ronan corridor after substantial public comment was received on the SEIS (Figure 3.2-6, page 3-37 of the SEIS).

The Final SEIS described the shared-use path specifically as an addition to the Preferred Alternative Rural 3 since it was chosen as the preferred alternative. Within the Post Creek Hill corridor, this design placed the shared-use path on the west side of Highway 93 from the start of the project to just south of McDonald Lake Road. South of the McDonald Lake Road intersection with Highway 93, the shared-use path went under the highway to the east side of the road through the remainder of the Post Creek Hill project corridor.

Since the Final SEIS, the shared-use path design has changed to follow the east side of Highway 93 through the entirety of the project corridor. A feasibility study was conducted to evaluate the shared-use path location options in the Post Creek Hill project corridor. Keeping the shared-use path on the east side of the highway would eliminate the need for an underpass in an area with seasonally high groundwater levels. Additionally, the highway vertical grade would not be impacted to allow for room for an underpass. More information can be found in the Shared Use Path Location Tech Memo dated July 3, 2024.

Design Change 3 complies with the 2008 SEIS direction to improve non-motorized travel in the corridor. The bicycle and pedestrian quality-of-service estimated in the 2008 SEIS (Table 5.6-2, page 5-38) would remain at level C.

Design Change 4: Changes to Wildlife Structures

The SEIS described the following wildlife structures:

- One 10'x12' culvert wildlife crossing structure immediately south of the proposed Post Creek bridge at Sta 48+75 (*Post Creek Option 2*).
- One 12'x22" wildlife crossing structure north of the Olsen Rd/Gunlock Rd intersection with Highway 93 at Sta 126+00 (*Ninepipe Reservoir Option 5*).

The 10'x12' culvert option south of Post Creek will be replaced with a new 14'x6' hydraulic structure for Ashley Creek at the existing east side Ashley Creek location ~Sta 44+50. The original intent for this culvert was to create a dry wildlife crossing, but due to high groundwater concerns and construction limits this intent was eliminated from the design.

The single 12'x22' wildlife crossing structure north of the Olsen Rd/Gunlock Rd intersection has been eliminated from the design. The eliminated crossing structure will be replaced with a series of small culverts and guide fencing that would directly benefit painted turtles. Three turtle crossing structures would be installed: two north of Gunlock Road and one south of Gunlock Road, along with associated guide fencing. Each turtle crossing will have a natural bottom substrate to encourage usage. A Turtle Crossing Technical Memorandum was completed in March 2017 with conceptual level design and location of the turtle crossings. See the memorandum in **Attachment 6** for more details.

PAST, PRESENT, AND REASONABLY FORESEEABLE FUTURE ACTIONS

To evaluate potential cumulative effects, research was conducted to identify other known or programed projects in the vicinity of the project area.

- UPN 1744000, US 93 Ronan (Urban), RP 44.6 to 48.7, Reconstruction is expected to occur in 2028 or later.
- Ninepipe Segment projects between RP 40.8 and 44.5 are tentatively planned to begin construction in 2027, with substantial completion in 2028.
- The Flathead Reservation Transportation Improvement Program (TIP) did not have any upcoming projects planned that would tie into US 93 within the Post Creek Hill project corridor.

The Ronan (Urban), Ninepipe, and Post Creek Hill segments were all evaluated in the original SEIS. This re-evaluation of the SEIS does not change the cumulative impacts analysis provided in the SEIS, as impacts are not significantly different. Cumulative impacts from these projects are largely expected to be beneficial, as the projects are meant to increase traveler safety and wildlife passage.

These identified projects would each undergo a separate re-evaluation, as necessary, to identify any additional cumulative impacts.

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SUMMARY OF IMPACTS, MITIGATION & SIGNIFICANCE

Table 5 summarizes the changed impacts and proposed mitigation for the Post Creek Hill segment as currently designed compared with the 2008 SEIS/ROD. The table also provides MDT's, FHWA's, and CSKT's determination of whether the proposed changes are "significant" in terms of NEPA and MEPA compliance. Significance determinations were made based on the criteria specified in 40 CFR 1508.27 and ARM 18.2.238.

Table 5. Summary of Changed Potential Impacts and Proposed Mitigation for the Post Creek Hill Segment

R	ESOURCE	CHANGE IN POTENTIAL DIRECT AND INDIRECT IMPACTS COMPARED TO SEIS	CHANGE IN PROPOSED MITIGATION COMPARED TO SEIS	SIGNIFICANCE DETERMINATION
Α.	TRAFFIC OPERATIONS & SAFETY	Design Change 1: Addition of short term impacts during construction to two private approaches at RP 36.9. Design Change 2, 3, and 4: No change in impact. Cumulative Impacts: The proposed project, when combined with other road and shared-use path projects that are planned, would cumulatively improve safety for the traveling public and mobility for non-motorized users.	No mitigation changes are proposed.	The change in potential impacts from the findings of the SEIS/ROD is not significant as defined in NEPA and MEPA. The proposed project changes will improve traffic operations and safety.
B.	LAND USE	Design Change 1: There will be a minor change in land use at the start of the project from agricultural field to road right-of-way. Design Change 2: The shift in horizontal alignment at Post Creek will reduce impacts to the forested wetlands and floodplain on the west side of the creek. Overall, land use changes will be similar but shifted more to the east side of the highway. Design Change 3: Change in use. Land on the east side of the highway will be utilized for a shared use path throughout the entirety of the project corridor. Design Change 4: Change in proposed use. The proposed wildlife crossing near Ashley Creek will be changed to a hydraulic crossing for the creek rather than a dry wildlife passage. Wildlife passage will be provided at the Post Creek bridge and result in minor overall proposed land use changes. Cumulative Impacts: No cumulative impact changes anticipated due to the design changes, as impacts are consistent with the SEIS and ROD.	No mitigation changes proposed.	The minor change in potential impacts on land use from the findings of the SEIS/ROD is not significant as defined in NEPA and MEPA. The land use changes will benefit the community and are considered minor in nature.
С.	PRIME AND UNIQUE FARMLAND	Design Changes 1 and 3: Minor increase in impacts to Farmland of Local Importance by shifting the project start approximately 1,700 feet south. Relocation of the shared use path to the east side of the highway results in similar impacts to farmland that were shifted to the east side of the road. Design Change 2 and 4: No change in impacts.	No mitigation changes proposed.	The change in potential impacts from the findings of the SEIS/ROD is not significant as defined in NEPA and MEPA. The increase in impact to a farmland of local importance is minor and would have a negligible effect on the

RESOURCE	CHANGE IN POTENTIAL DIRECT AND INDIRECT IMPACTS COMPARED TO SEIS	CHANGE IN PROPOSED MITIGATION COMPARED TO SEIS	SIGNIFICANCE DETERMINATION
	Design Changes 3 and 4: Minor changes in impacts to Farmland of Local importance.		overall amount of farmable land in the project area.
	A total of 18.2 acres of prime or unique farmland will be converted to non-farm use through acquisition for the proposed project. The SEIS described total farmland conversion for the Post Creek Segment corridor as 23.6 acres. Therefore, impacts to prime or unique farmland has been reduced.		
	The Farmland Conversion Impact Rating Form (CPA-106) completed for the SEIS (Appendix G) was reviewed. The total acres to be converted would decrease by 5.4 acres. Therefore, the percentage of farmland in the county to be converted would be reduced from 0.015 to 0.006. In addition, the total corridor assessment points would remain the same at 84 points, the relative value of farmland would remain at 17 points and the total points remains at 101 out of a possible 260 points.		
	Cumulative Impacts: Cumulative impacts to farmlands as a result of future roadway construction projects within the project area are consistent with those identified in the 2008 SEIS.		
D. SOCIAL	All Design Changes: No change in impacts. No cumulative impact changes anticipated.	No mitigation changes proposed.	Not Significant. No change in impacts.
E. ECONOMICS	All Design Changes: No change in impacts. No cumulative impact changes anticipated.	No mitigation changes proposed.	Not Significant. No change in impacts.
F. PEDESTRIANS AND BICYCLISTS	Design Changes 1, 2, and 4: No change in impacts. Design Change 3: Maintain corridor connectivity. Relocation of the separated shared use path to stay on the east side of the highway will eliminate the underpasses proposed in the SEIS. Overall, there are no changes in impacts to this resource. Cumulative Impacts: Future projects may expand the opportunities available for non-motorized travel, resulting in a beneficial cumulative impact.	No mitigation changes proposed.	The change in potential impacts from the findings of the SEIS/ROD is not significant as defined in NEPA and MEPA. The beneficial impacts of the proposed project changes on pedestrian/bicycle connectivity and safety are consistent with the findings of the SEIS and ROD.

R	ESOURCE	CHANGE IN POTENTIAL DIRECT AND INDIRECT IMPACTS COMPARED TO SEIS	CHANGE IN PROPOSED MITIGATION	SIGNIFICANCE DETERMINATION
G.	AIR QUALITY	All Design Changes: No change in impacts.	No mitigation changes proposed.	Not Significant. No change in impacts.
П	NOISE	No cumulative impact changes anticipated. All Design Changes: No change in impacts.	No mitigation changes	Not Significant. No change in
11.	NOISE	All Design Changes. No change in impacts.	proposed.	impacts.
		No cumulative impact changes anticipated.	proposed	in pueses
I.	WATER QUALITY	Design Changes 1 through 4: No change in impact.	No mitigation changes proposed.	Not Significant. No change in impacts.
		Cumulative Impacts: Cumulative impacts to water quality as the result of future roadway construction projects within the watershed are anticipated to be negligible. Future construction activities would increase the overall amount of impervious surface within the area, resulting in increased runoff; however, the increase in pollutant loading is anticipated to be negligible in the context of the setting.		
J.	WETLANDS	Design Change 1: Increase in wetland impact. Shifting the project start south of the SEIS start will result in an additional 0.35 acres of permanent wetland impacts. Design Changes 2 and 3: These design changes will result in a similar area of wetland impacts since wetlands occur on both sides of the highway. The horizontal shift at Post Creek will reduce impacts to forested wetlands on the west side of the highway, but impact acreage will shift to the emergent wetlands on the east side of Post Creek. Shifting the location of the shared use path will result in shifting emergent wetland impacts from the west side of the highway to the east side.	No mitigation changes proposed.	The change in potential impacts from the findings of the SEIS/ROD is not significant as defined in NEPA and MEPA. Based on the updated wetland boundaries and revised preliminary construction limits, wetland impacts are anticipated to be less than the widest (most impactive) road footprint identified in the 2008 SEIS.
		Design Change 4: Decrease in wetland impact because the chosen structures are smaller and require less grade changes. The culvert will allow surface flows from Ashley Creek and groundwater recharge flows to continue to reach Post Creek and the adjacent wetlands. The addition of three turtle crossing structures will decrease wetland impacts due to using a smaller structure, and benefit wildlife.		
		A new wetland delineation was completed for the proposed project in August and September 2024. The SEIS included a longer project area and is not useful for an accurate comparison of wetland acreages. However, the 2024 delineation did result in the delineation of additional wetland acreage due to changing landscapes from irrigation		

RESOURCE	CHANGE IN POTENTIAL DIRECT AND INDIRECT IMPACTS COMPARED TO SEIS	CHANGE IN PROPOSED MITIGATION COMPARED TO SEIS	SIGNIFICANCE DETERMINATION
	influenced wetlands. Wetland impacts anticipated in the SEIS, including the Ronan-Urban portion of the project were 15.5 acres. The Post Creek Hill project is now anticipated to permanently impact 10.84 acres of wetlands. Final wetland impacts will be determined during final design.		
	No cumulative impact changes anticipated.		
K. FLOODPLAINS AND STREAMS	Design Change 1 and 3: No change in impacts. Design Change 2: Results in less impacts to woody riparian habitat along the west side of Post Creek. Design Change 4: Beneficial impact to Ashley Creek. Replacing the wildlife crossing structure with a hydraulic structure, paired with potential restoration of Ashley Creek, will benefit the Ashley Creek and Post Creek systems.	No mitigation changes are currently proposed.	The change in potential impacts from the findings of the SEIS/ROD is not significant as defined in NEPA and MEPA. The impacts of the proposed project changes would benefit stream quality and are consistent with the findings of the SEIS and ROD.
	No cumulative impact changes anticipated.		
L. FISH AND WILDLIFE	Design Change 1 and 3: No change in impacts. Design Change 2: The horizontal alignment shift at Post Creek will minimize impacts to the forested wetlands on the west side of the highway, benefitting wildlife that use those forested wetlands. Design Change 4: The change from an underpass wildlife crossing structure south Post Creek to a hydraulic structure for Ashley Creek will not result in changes in impacts to wildlife or fish. The Post Creek bridge will serve as the wildlife crossing in this area, and Ashley Creek does not support a fishery. The change from wildlife crossing north of Olsen Rd/Gunlock Rd will benefit painted turtles in this area by providing them safe passage.	No mitigation changes proposed.	The change in potential impacts from the findings of the SEIS/ROD is not significant as defined in NEPA and MEPA. The impacts of the proposed project changes would have no impact or benefit wildlife and are consistent with the findings of the SEIS and ROD.
M. THREATENED AND	No cumulative impact changes anticipated. All Design Changes: The project changes will not change existing	No mitigation changes	Not Significant No shangs in
ENDANGERED SPECIES	effects determinations outlined in the 2020 USFWS BO and BRR updates.	proposed.	Not Significant. No change in impacts.
	No cumulative impact changes anticipated.		

	ESOURCE	CHANGE IN POTENTIAL DIRECT AND INDIRECT IMPACTS COMPARED TO SEIS	CHANGE IN PROPOSED MITIGATION COMPARED TO SEIS	SIGNIFICANCE DETERMINATION
N.	CULTURAL RESOURCES	All Design Changes: The project will have No Effect on cultural resources. The project will perpetuate the Post F Canal crossing. No cumulative impact changes anticipated.	No mitigation changes proposed.	Not Significant. No change in impacts.
О.	PARKS AND RECREATION	All Design Changes: No change in impacts. No cumulative impact changes anticipated.	No mitigation changes proposed.	Not Significant. No change in impacts.
P.	HAZARDOUS MATERIALS	All Design Changes: No change in impacts. No cumulative impact changes anticipated.	No mitigation changes proposed.	Not Significant. No change in impacts.
Q.	VISUAL	All Design Changes: No change in impacts. No cumulative impact changes anticipated.	No mitigation changes proposed.	Not Significant. No change in impacts.
R.	RIGHT OF WAY AND RELOCATIONS	Design Change 1: Shifting the start of the project south results in an additional 0.86 acres of acquisition (two parcels). Design Change 2: Results in a reduction of acquisition by 2.80 acres. Design Change 3: Results in a reduction of acquisition by 2.30 acres. Design Change 4: No change in impacts. Indirect and Cumulative Impacts: Overall, design changes will result in a reduction of right-of-way acquisitions by 4.24 acres. No additional residential or business displacements will occur with the design changes. No additional cumulative impacts will result from these design changes.	No mitigation changes proposed.	The change in potential impacts from the findings of the SEIS/ROD is not significant as defined in NEPA and MEPA. The relocations and increase in right-of-way acquisition are consistent with the findings of the SEIS and ROD.
S.	GEOLOGY AND SOILS	Design Changes 1 and 4: Design changes will result in a minor change in excavation and fill quantities for the project. Design Changes 2 and 3: No change in impacts. No cumulative impact changes anticipated.	No mitigation changes proposed.	The change in potential impacts from the findings of the SEIS/ROD is not significant as defined in NEPA and MEPA. The changes in fill and excavation quantities are consistent with the findings of the SEIS and ROD.

PERMITS

There are no additional permits or authorizations to add to the ones identified in the SEIS.

PUBLIC AND AGENCY INVOLVEMENT

The US 93 corridor has a number of long-term committees developed as part of the early process are still active and serve as one method of public outreach. Big Sky Public Relations is subcontracted to manage public involvement through project design and construction. There have been several public outreach opportunities including public newspaper notices, public forums, and landowner meetings between 2014 and present day. Recent events are summarized below.

MDT has presented US 93 Post Creek Hill project updates to the CSKT Tribal Council multiple times throughout 2024. Local representatives, including the Lake County Commissioner's office, City of Ronan staff, and more, have been included in team meetings. The week of March 10, 2025, a series of stakeholder meetings were held with project and design team members with area landowners, officials, and a member of the state legislature. The public has expressed concerns about construction impacts to surrounding roadways. In response, the project team is committed to continued collaboration with Lake County and residents to mitigate any foreseen challenges. A public informational meeting was held on Thursday, May 1 to further inform the public on design and construction progress. Stakeholders at the May 1 meeting were excited about the upcoming safety enhancements. Additional public meetings will be coordinated closer to construction.

Discussions from meetings have been incorporated into the project design elements. Continued personal contact with stakeholders and area landowners is expected to continue during the Design Phase. Personal contact with all landowners will also be offered during the right-of-way and active construction phases. Any design changes as a result of continued stakeholder meetings, discussions, and right-of-way negotiations are expected to be minor and not result in a change in results of this SEIS re-evaluation.

CONCLUSION

The SEIS/ROD for the US Highway 93 Ninepipe/Ronan Improvement Project has been reevaluated as required by 23 CFR 771.129(b) with respect to the proposed US 93 N – Post Creek Hill (UPN 8008000) project.

Based upon the re-evaluation, MDT determined that the US 93 N – Post Creek Hill project is not substantially different or changed from the original SEIS/ROD. The design changes and environmental updates described in this re-evaluation would not affect the ability of the Preferred Alternative to meet the project's stated purpose as described in the SEIS and ROD. MDT has determined that the impacts of these changes are not individually or cumulatively significant or significantly different from those described in the SEIS and ROD. Therefore, MDT has determined that the proposed design changes would have no effect on the ultimate decision documented in the ROD and that approving these design changes would be consistent with 23 CFR 771 for the proposed US 93 N – Post Creek Hill (UPN 8008000) portion of the US Highway 93 Ninepipe/Ronan Improvement Project.

Lucia Olivera Page 19 of 26 May 28, 2025

CONCURRENCE:

	Date	May 28, 2025
Tom Martin P F		

Bureau Chief-Environmental Services

Montana Department of Transportation

6/11/2025
Date

Federal Highway Administration

Confederated Salish and Kootenai Tribes

Date 6-3-25

Electronic copies:

Bob vosen, wiissoula District Administrator	Bob Vosen,	Missoula District Administrator
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Vacant, P.E., Engineering Construction Contracting Bureau Chief

Kelly Williams, MDT Consultant Design Engineer
Mark Studt MDT Consultant Project Engineer
Beth Kappes MDT Alternative Contracting Engineer
Jason Gilliam, MDT Right-of-Way Bureau Chief
Amber Jensen, MDT Missoula Right-of-Way

Lisa Hurley, MDT Fiscal Programming Section Supervisor Miki Lloyd, MDT Contract Plans Section Supervisor Tom Martin, MDT Environmental Services Bureau Chief

Tom Gocksch, MDT Environmental Services Bureau, Section Supervisor John Heinley, MDT Missoula District Project Development Engineer

List of Attachments

- 1) Post Creek Hill BRR
 - a) BRR Update October 11, 2024
 - b) BRR Update May 28, 2025
- 2) Aquatic Resource Technical Memo
- 3) FEMA FIRM Panel
- 4) THPO Correspondence
- 5) Section 4(f) De Minimis Letters
 - a) CSKT Signed Letter
 - b) FWP Signed Letter
- 6) Turtle Crossing Technical Memorandum

ATTACHMENT 1 – Post Creek Hill BRR

- a) BRR Update October 11, 2024
- b) BRR Update May 28, 2025

From: Scott Fanning

To: <u>Breanne Cline</u>; <u>Traxler</u>, <u>Mark</u>

Subject: Fw: 8008000 US93 N - Post Creek Hill --- BRR Update for Geotech Investigation eDoc Re-Eval

 Date:
 Friday, October 11, 2024 4:32:07 PM

 Attachments:
 8008 Post Ck MTNHP SOC 241011.pdf

C2 signature mmi-logomark-51x48-pad-right-6 4f1fab1c-b713-4e6d-ba6e-1f4146f10e61.png

FYI, see below



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From: Hinshaw, Ellen <ehinshaw@mt.gov> Sent: Friday, October 11, 2024 2:25 PM

To: Scott Fanning <sfanning@m-m.net>; Michael.George <Michael.George@kiewit.com> **Cc:** Studt, Mark <mstudt@mt.gov>; Kappes, Bethany <bkappes@mt.gov>; Heinley, John

<jheinley@mt.gov>; Talley, Shane <stalley@mt.gov>

Subject: FW: 8008000 US93 N - Post Creek Hill --- BRR Update for Geotech Investigation eDoc Re-Eval

This message originated from an **External Source.** Please use proper judgment and caution when opening attachments, clicking links, or responding to this message.

All.

Please see below from Shane on the BRR.

Ellen

From: Talley, Shane <stalley@mt.gov>
Sent: Friday, October 11, 2024 2:19 PM

To: Studt, Mark <mstudt@mt.gov>; Hinshaw, Ellen <ehinshaw@mt.gov>; Heinley, John <jheinley@mt.gov>

Subject: 8008000 US93 N - Post Creek Hill --- BRR Update for Geotech Investigation eDoc Re-Eval

Please forward this on to the appropriate staff and team members. This would normally be handled by the consultant team, but I have provided this update due to the short timeline required at this point.

John,

Please let this email serve as an update to the Biological Resources Report (BRR) for the subject project from March 2015. This update replaces any previous BRR updates to the date of this email. Only sections of the original BRR that require updates required for the re-evaluation of the Environmental Document for the current geotechnical investigations are addressed here, all other sections of the 2015 BRR remain valid. This information supersedes any contradictory information contained the Executive Summary.

The overall project scope, description, and extents have not changed. Delineation of wetlands was performed during the late-summer and fall of 2024. At this time, a detailed report is not available. An updated MT Species of Concern list was queried from the MTNHP on 10/11/24 and is attached to this email. There is no change in anticipated impacts of the proposed project.

The USFWS IPaC database was queried on October 11, 2024 with an action area including a 0.5-mile radius surrounding the project limits. The report listed Canada lynx, grizzly bear, North American wolverine, Yellow-billed cuckoo, bull trout, and monarch butterfly as potentially present in the action area. This updates the Flathead County list used in the 2015 BRR. Only species provided in the IPaC list will be assessed in this update. Grizzly bear, bull trout, Canada lynx, and Yellow-billed cuckoo full effects analyses were provided in the corridor-wide BA in the US Highway 93 Evaro to Polson FEIS and SEIS. Those analyses and determinations remain valid.

Since the completion of the original BRR and SEIS, North American wolverine has been listed as threatened. The project area occurs at a lower elevation and does not contain suitable habitat elements preferred by wolverines in Montana. Additionally, the project area is in an area of high human activity and development that would likely dissuade use of the area by wolverine. Wolverine may pass through the project area enroute to more suitable habitats in the higher elevation mountain ranges surrounding the valley, but their occurrence in the project area would likely be rare and transient in nature. The project will not affect any suitable wolverine habitat elements necessary for survival. The project will have **no effect** on North American wolverine.

Since the completion of the original BRR and SEIS, monarch butterfly has been listed as a candidate. Monarch butterfly is considered a candidate species throughout its range, wherever found, which includes southern Canada, the entire continental U.S. and Central and South America. Adult butterflies have occupied most habitat types across Montana but are rarely found above treeline. Suitable larval food species (*Asclepiadaceae*) have been reported within the project area and there is likely presence of adult and larval butterflies in the area. Species presence would more likely be limited to adults migrating through and/or feeding on some flower species at or near the project site during summer months. Monarch habitat and food species are prevalent surrounding the project site due to the riparian corridor, agricultural fields, natural grasslands, and residential landscaping surrounding the project area. Due to the isolated project limits, minimal expected ground disturbance, and limited scope of work, no impacts to monarch butterfly are anticipated. The project will **not jeopardize the continued existence** of monarch butterfly.

The MTNHP MapViewer database was queried on 10/11/2024 for eagle nest locations. No Bald or Golden eagle nest locations are documented within 0.5 mile of the project area.

If trees and shrubs are removed with this project, removal will occur outside nesting season dates of April 15 to August 15 to comply with the Migratory Bird Treaty Act. Only the vegetation clearing required to complete the proposed work will be performed at this time. The minimal amount of vegetation clearing outside the migratory bird nesting season retains ample other nesting areas to remain undisturbed.

All work shall be conducted in compliance with the applicable standard specifications in the most recent version of the 2020 MDT Standard Specifications for Road and Bridge Construction,

specifically including but not limited to 208.03.1 Water Pollution Control, 208.03.2 Aquatic Resource Protection, 208.03.3 Regulations and Permitting, and 208.03.4.E Work in Bear Habitat.

Thank you, Shane Talley

Shane Talley

Missoula District Biologist
Environmental Services Bureau
Montana Department of Transportation
2701 Prospect Ave
Helena, Montana
(406) 444-7258
stalley@mt.gov



memo

DATE: May 28, 2025

TO: Shane Talley, Missoula District Biologist

FROM: Breanne Cline, Environmental Scientist

RE: 8008000 US93 N – Post Creek Hill

BRR Update

Dear Shane,

This memo is meant to serve as an update to the Biological Resources Report (BRR) for the US93 N – Post Creek Hill (8008000) project dated October 11, 2024, prepared by Shane Talley, MDT Missoula District Biologist. Only the sections of the original and updated BRR documents that require updates are addressed in this memo. All other sections remain valid.

The US Fish and Wildlife Service (USFWS) Information for Planning and Consultation (IPaC) database was queried on March 14, 2025, for an action area covering a 0.5-mile radius surrounding the project corridor. The report listed Canada lynx (threatened), grizzly bear (threatened), North American wolverine (threatened), Yellow-billed Cuckoo (threatened), bull trout (threatened), monarch butterfly (proposed threatened), and the Suckley's cuckoo bumble bee (proposed endangered) as potentially present in the action area. This updates the species list provided in October 2024 BRR. Grizzly bear, bull trout, Canada lynx, and Yellow-billed Cuckoo full effects analyses were provided in the corridor-wide Biological Assessment in the US Highway 93 Evaro to Polson Final Environmental Impact Statement and Supplemental Environmental Impact Statement. The October 2024 BRR provided effects analysis for the North American wolverine and the monarch butterfly. Those analyses and determinations remain valid.

Monarch Butterfly

The listing status of the monarch butterfly was elevated from candidate to proposed threatened on December 12, 2024. Additionally, critical habitat for the species was proposed in several areas of California. No critical habitat is designated in the project area. The species description and assessment provided on October 11, 2024, BRR update remains valid. Monarch habitat and food species are prevalent surrounding the project site due to the riparian corridor, agricultural fields, natural grasslands, and residential landscaping surrounding the project area. Due to the availability of adequate habitat outside of the construction zone and the migratory nature of the monarch butterfly, no impacts to this species are anticipated. The project will **not jeopardize the continued existence** of monarch butterfly. If the species becomes listed as Threatened or Endangered prior to construction, the proposed project will have no effect on monarch butterfly based on the information provided in this report.

Suckley's Cuckoo Bumble Bee

On December 17, 2024, the USFWS published a proposed rule in the Federal Register listing the Suckley's cuckoo bumble bee as endangered under the Endangered Species Act. This species' range includes most of western U.S. and Canada, including the Cascade Mountains, Rocky Mountains, and northwest Great Plains down to New Mexico and Arizona. This species occurs in a large array of habitat types, including prairies, grasslands, meadows, urban and agricultural areas, and woodlands. Threats to the Suckley's cuckoo bumblebee include host species decline, pathogens, pesticides, habitat fragmentation and conversion, and climate change (89 FR 102074). Suckley's cuckoo bumble bee is an obligate social parasite (it depends on social hosts for survival and raising young). Confirmed host species include western bumble bee (*Bombus occidentalis*) and Nevada bumble bee (*B. nevadensis*), with other potential hosts in subgenus



8008000 US93 N – Post Creek Hill BRR Update

Bombus throughout its range. Host bumble bee nests are often located in abandoned underground holes, such as rodent burrows, in a wide array of habitat types. Females overwinter underground in areas separate from nesting habitat, likely using mulch or other decomposing vegetation (89 FR 102074).

There is potential for host species habitat to be present in the agricultural fields and meadows adjacent to the project area. However, much of the area sees at least a moderate degree of disturbance from grazing, haying, and roadside maintenance. Host species habitat may be more suitable outside of the project corridor and in areas of less ground disturbance. Due to the availability of suitable habitat nearby and the generalist habitat requirements of this species, the proposed project is **not likely to jeopardize the continued existence** of Suckley's cuckoo bumble bee. If the species becomes listed as Threatened or Endangered prior to construction, the proposed project will have no effect on Suckley's cuckoo bumble bee based on the information provided in this report.

Bald and Golden Eagles

A Bald Eagle nest territory has been located approximately 0.3 mile west of the Olson/Gunlock Road intersection. Timing restrictions for the protection of nesting eagles will be expected for the following or similar activities; blasting, staging, storage, gravel crushing, hot plant, or borrow sources within 0.5-mile of the approximate nest location from February 1 to August 15, inside or outside the right-of-way. A special provision will be developed for inclusion in the contract documents.

No other changes to the original and updated BRR are required at this time. Should other changes warrant another update to the BRR, an additional BRR update memo will be provided.

Sincerely,

Breanne Cline, Environmental Scientist

Morrison-Maierle



8008000 US93 N – Post Creek Hill BRR Update

References

USFWS. 2025. Information for Planning and Consultation (IPaC) system. U.S. Fish and Wildlife Service. March 14, 2025. https://ipac.ecosphere.fws.gov/.

USFWS. 2025. ECOS Environmental Conservation Online System. Suckley's cuckoo bumble bee. ECOS Environmental Conservation Online System. https://ecos.fws.gov/ecp/species/10885#rangeInfo

USFWS. 2024. Endangered and Threatened Wildlife and Plants; Endangered Species Status for Suckley's Cuckoo Bumble Bee. 50 CFR 17. 89 FR 102074. December 17, 2024.

USFWS 2024. Endangered and Threatened Wildlife and Plants; Threatened Species Status with Section 4(d) Rule for Monarch Butterfly and Designation of Critical Habitat. 50 CFR 17. 89 FR 100662. December 12, 2024.

NH 5-2(159)37 US 93 N – Post Creek Hill UPN 8008000

ATTACHMENT 2 – Aquatic Resource Technical Memo

Montana Department of Transportation Aquatic Resource Technical Memo 2024 Re-Delineation

Firm Name: Morrison-Maierle Date: 5/22/2025

Prepared By: Breanne Cline

Position Title of Preparer: Environmental Scientist

Project (Name, Number, UPN): US 93 N – Post Creek Hill, NH 5-2(159)37, 8008000

Watershed: Lower Clark Fork #3

Project Description: The project is a bridge construction and roadway improvement project in the vicinity of Ronan, Montana. The Post Creek Hill project corridor is in Lake County, south of Ronan along US Highway 93 beginning in Sections 1 and 2 and ending in Sections 25 and 26, Township 19 North, Range 20 West. The project limits extend from Reference Post (RP) 36.8 on the south to RP 40.4 on the north. The RPs roughly correlate with the Gunlock Road/Olsen Road crossing on the north end and the Red Horn Road/Dublin Gulch Road crossing on the south end. The scope of construction activities for the Post Creek Hill project is expected to include:

- a new 500-foot long, two lane bridge structure over Post Creek
- a 1.65-mile northbound passing lane from West/East Post Creek Road (RP 38.2) to the top of Post Creek Hill (RP 40.0)
- restoration of Post Creek
- a new, separated, shared-use path
- a new hydraulic structure for Ashley Creek realignment and restoration at approximately RP 37.6
- three turtle crossings and associated turtle walls within the Ninepipe WMA just north of Gunlock Road
- wildlife fencing at Post Creek
- four irrigation crossing structures
- curvilinear horizontal roadway alignment roughly following the existing roadway,
- a two-way left turn lane extending from Dublin Gulch Road / Red Horn Road north 0.4 miles (RP 37.1-RP 37.5)
- miscellaneous work, such as roadway ditch modifications to improve drainage, subgrade improvements, and removal of existing bridge and irrigation crossing structures

Most of the land adjacent to the project corridor is tribal or privately owned. Land use in and adjacent to the project corridor includes irrigated agriculture fields, livestock management and grazing, commercial and rural residential use, and open space.

Aquatic Resource Findings Report

Project Location:

County: Lake

Route/Highway: US 93

From RP: 36.8 to RP: 40.4

Nearest Town: Ronan

Wetlands

Methods: Wetland delineations of the Post Creek Hill project area were previously completed between 2014 and 2017. Due to the age of the delineations, and the complexity of this wetland environment, a new wetland delineation of the entire Post Creek Hill project area was completed by Morrison-Maierle environmental scientists on August 7 – 8 and September 16 – 18, 2024. The project area consists of an approximately 200-foot-wide buffer extending on each side of the roadway centerline for a length of 3.75 miles. Additional survey areas were included to the east of US 93 near McDonald Lake Road as well as to the east and west at the Post Creek crossing. Total wetland delineation project area is approximately 270 acres (Attachment 1, Figure 1).

Wetland surveyors followed the delineation procedures described in the USACE 1987 Wetland Delineation Manual (Environmental Laboratory 1987) along with the Western Mountains Valleys and Coasts Regional Supplement (USACE 2010). Wetland boundaries and sample plots were delineated with a handheld global positioning system (GPS) device with sub-meter accuracy. Data was collected according to USACE guidance and the MDT Wetland and Stream Delineation Process (MDT 2020).

Vegetation, hydrology, and soils data were recorded on US Army Corps of Engineers (USACE) Wetland Determination Data Forms (Attachment 3). Additionally, the 2008 MDT Montana Wetland Assessment Method (MWAM) was applied to delineated wetlands (Attachment 3).

Environmental scientists reviewed the US Fish and Wildlife Service (USFWS) National Wetlands Inventory (NWI), USGS topographic maps, aerial imagery, and previous wetland delineation data collected within the project area.

Wetlands Discussion: The wetland investigation resulted in the delineation of 21 wetland complexes, totaling 88.34 acres. Wetlands within the corridor consist of areas of floodplain located adjacent to Post Creek, irrigation associated wetlands and channels, and glacial potholes wetlands. The delineated wetlands are complexes of palustrine forested, scrub-shrub, emergent, and aquatic bed wetland vegetation types. The wetland areas were classified as Category II to IV wetlands according to the MDT Montana Wetland Assessment Method. Table 1 provides a summary of the delineated wetland characteristics. Delineated wetlands and associated data points are shown on Figures 3.1 through 3.11.

Table 1. Wetland Characteristics

Wetland ID#	Lat.	Long.	MWAM Category	Water Regime	Cowardin Class/ Modifier	HGM Class*	Dominant Vegetation	Hydrologic Feature
WL-1-24	47.380819	-114.096392	IV	SI	N/A	Slope	Willows and reed canary	Irrigation
WL-2A-24	47.382976	-114.096177	IV	SI	N/A	Slope	Meadow foxtail, Nebraska sedge, mountain timothy	Irrigation
WL-2B-24	47.383568	-114.096619	IV	SI	N/A	Slope	Cattails and Nebraska sedge	Roadside ditch
WL-3-24	47.383343	-114.097186	IV	SI	N/A	Slope	Cattail, Nebraska sedge, spike rush	Irrigation
WL-4A-24	47.386399	-114.096382	III	PP	N/A	Riverine	Lesser pondweed, and cattail	Post Creek
WL-4B-24	47.385962	-114.096303	III	PP	N/A	Riverine	Cottonwood, willows, and cattail	Post Creek
WL-4C-24	47.387054	-114.097193	III	PP	N/A	Riverine	Lesser pondweed	Post Creek
WL-4D-24	47.387269	-114.097477	III	PP	N/A	Riverine	Lesser pondweed	Post Creek
WL-4E-24	47.386871	-114.097381	III	PP	N/A	Riverine	Lesser pondweed and cattails	Post Creek
WL-5A-24	47.393797	-114.096369	П	PP	N/A	Riverine	Cattails and Nebraska sedge	Post Creek
WL-5B-24	47.389930	-114.096181	П	PP	N/A	Riverine	Eurasian watermilfoil and lesser pondweed	Post Creek
WL-5C-24	47.395266	-114.095505	П	PP	N/A	Riverine	Fringed willowherb, Nebraska sedge, cattail	Post Creek
WL-6A-24	47.390960	-114.098195	Ш	PP	N/A	Riverine	Dock-leaf smartweed, Baltic rush, reed canary grass	Post Creek
WL-6B-24	47.391820	-114.098769	Ш	PP	N/A	Riverine	Nebraska sedge, cattail, reed canarygrass	Post Creek
WL-6C-24	47.393437	-114.097941	П	PP	N/A	Riverine	Eastern cottonwood, white poplar, reed canarygrass	Post Creek

Aquatic Resource Findings Report NH 5-2(159)37 Cowardin Hydrologic **MWAM** Class/ Wetland Water ID# Lat. Regime Modifier **HGM Class* Dominant Vegetation Feature** Long. Category Cattail, Nebraska sedge, Roadside WL-7-24 47.399198 -114.097156 IV SI N/A Riverine reed canarygrass ditch Nebraska sedge, rice cut-Ashley Creek WL-8A-24 Ш SI N/A Riverine 47.396979 -114.096480 grass, wild mint Cattail and reed WL-8B-24 Ashley Creek 47.398619 -114.096346 Ш SI N/A Riverine canarygrass Cattails, Asian forget-me-Ashley Creek 47.399312 WL-8C-24 Ш SI N/A Riverine -114.096145 not, dock-leaf Smartweed Isolated WL-8D-24 TE N/A Baltic Rush 47.399410 -114.096579 Ш Depressional depression Nebraska sedge Irrigation WL-9A-24 47.405396 -114.096336 Ш SI N/A Slope Peach-leaf willow. Nebraska sedge, fringed WL-9B-24 47.402700 -114.096255 Ш SI N/A Riverine Irrigation willowherb WL-10A-24 47.407693 -114.095889 Ш SI N/A Riverine Nebraska sedge Post F Canal Nebraska sedge and WL-10B-24 Ш SI N/A Post F Canal 47.407673 -114.097479 Riverine common teasel Nebraska sedge, Kentucky bluegrass, Baltic rush, Irrigation WL-11A-24 47.411265 -114.096133 Ш SI N/A Riverine cattails WL-11B-24 47.413111 -114.097190 Ш SI N/A Riverine Cattails and common teasel Irrigation Cattails, Kentucky WL-11C-24 47.416176 -114.097308 Ш SI N/A Riverine Irrigation bluegrass, Baltic rush Glacial WL-11D-24 47.414645 -114.097666 Ш SI Impounded Depressional Lesser pondweed pothole Cattails and Nebraska N/A WL-12A-24 47.415761 -114.096555 ш SI Riverine Irrigation sedge Common spikerush, Nebraska sedge, Kentucky WL-12B-24 47.419508 -114.096404 Ш SI N/A Slope Irrigation

bluegrass, cattails

Aquatic Resource Findings Report

Wetland ID#	Lat.	Long.	MWAM Category	Water Regime	Cowardin Class/ Modifier	HGM Class*	Dominant Vegetation	Hydrologic Feature
WL-13A-24	47.420304	-114.097005	III	SI	N/A	Slope	Cattails and Baltic rush	Irrigation / roadside ditch
WL-13B-24	47.420940	-114.096630	Ш	SI	N/A	Slope	Cattails and curly dock	Irrigation / roadside ditch
WL-13C-24	47.421171	-114.097040	Ш	SI	N/A	Slope	Cattails and Baltic rush	Irrigation / roadside ditch
WL-14A-24	47.423296	-114.096300	Ш	SI	N/A	Slope	Cattails and Baltic rush	Irrigation / roadside ditch
WL-14B-24	47.423413	-114.096102	III	PP	N/A	Depressional	Lesser pondweed	Glacial Pothole
WL-14C-24	47.424351	-114.096288	III	SI	N/A	Riverine	Eastern Cottonwood and slender wheatgrass	Irrigation
WL-14D-24	47.424520	-114.096328	III	SI	N/A	Riverine	Cattails and reed canarygrass	Irrigation
WL-15-24	47.424051	-114.097430	III	SI	N/A	Slope	Cattails, Baltic rush, reed canarygrass	Glacial pothole
WL-16A-24	47.424953	-114.096364	Ш	SI	N/A	Slope	Cattails, Baltic rush, reed canarygrass	Irrigation / roadside ditch
WL-16B-24	47.425623	-114.097503	Ш	SI	N/A	Slope	Cattails, Baltic rush, reed canarygrass	Irrigation / roadside ditch
WL-16C-24	47.425599	-114.097196	III	PP	N/A	Depressional	Cattails, lesser pondweed	Glacial pothole
WL-16D-24	47.426948	-114.096487	III	SI	N/A	Slope	Baltic rush, reed canarygrass, common spikerush	Irrigation / roadside ditch
WL-16E-24	47.427224	-114.096114	III	PP	N/A	Depressional	Lesser pondweed	Glacial pothole

US 93 N – Post Creek Hill UPN 8008000 NH 5-2(159)37

Aquatic Resource Findings Report

Wetland ID#	Lat.	Long.	MWAM Category	Water Regime	Cowardin Class/ Modifier	HGM Class*	Dominant Vegetation	Hydrologic Feature
WL-16F-24	47.427923	-114.096239	III	SI	N/A	Depressional	Cattails, Baltic rush, reed canarygrass	Glacial pothole
WL-17A-24	47.428672	-114.097159	Ш	PP	N/A	Depressional	Cattails, Baltic rush, reed canarygrass	Glacial pothole
WL-17B-24	47.428985	-114.097443	Ш	PP	N/A	Depressional	Unconsolidated bottom-no veg	Glacial pothole
WL-18-24	47.431031	-114.096706	Ш	TE	N/A	Riverine	Cattails, common spikerush, Kentucky bluegrass	Roadside ditch
WL-19A-24	47.428279	-114.096223	П	PP	N/A	Depressional	Reed canarygrass and common spikerush	Glacial pothole
WL-19B-24	47.429046	-114.096049	П	PP	N/A	Depressional	Cattails, Baltic rush, reed canarygrass	Glacial pothole
WL-19C-24	47.430798	-114.096201	П	PP	N/A	Depressional	Cattails and reed canarygrass	Glacial pothole
WL-19D-24	47.430827	-114.096068	Ш	PP	N/A	Depressional	Lesser pondweed	Glacial pothole
WL-19E-24	47.432546	-114.096216	Ш	PP	N/A	Depressional	Cattails	Roadside ditch
WL-19F-24	47.432382	-114.096086	Ш	PP	N/A	Depressional	Cattails, lesser pondweed, reed canary grass	Glacial pothole
WL-20-24	47.432746	47.432746	Ш	PP	N/A	Depressional	Cattails and reed canarygrass	Glacial pothole
WL-21A-24	47.433547	-114.097564	П	PP	N/A	Depressional	Reed canarygrass and red goosefoot	Roadside ditch
WL-21B-24	47.433940	-114.097462	П	PP	N/A	Depressional	Unconsolidated bottom-no veg	Glacial pothole

^{*}The dominant HGM class is listed. Many of the wetlands are a combination of various HGM classes. Refer to the MWAM forms for more information.

Note: Lat., Long. = the approximate center point for the wetland (WGS1984.)

WL-1-24, WL-2-24, WL-3-24 (AA-1)

Wetlands WL-1-24, WL-2A/B-24, and WL-3-24 were evaluated for Assessment Area (AA)-1. These wetlands are located to the west and east of Highway 93 from approximately RP 36.8 (the project start) and extend to the intersection of Dublin Gulch/Red Horn Road at RP 37.1 (Attachment 1, Figure 3.1 & 3.2). They consist of roadside swales, irrigation channels, and slope wetlands sourced by irrigation waters.

According to the Cowardin classification system these wetlands consist of palustrine emergent (PEM) vegetation type. Based on the HGM classification system (Smith et al. 1995) these were classified as riverine and slope wetlands.

These wetlands are dominated by herbaceous species, including Nebraska sedge (*Carex nebrascensis*), common spikerush (*Eleocharis palustris*), Kentucky bluegrass (*Poa pratensis*), common timothy (*Phleum pratense*), field mint (*Mentha arvensis*), and meadow foxtail (*Alopecurus pratensis*). Roadside ditch areas were often dominated by cattail (*Typha latifolia*).

Wetland hydrology primary indicators included surface water (A1), high water table (A2), saturation (A3), and algal mat (B4). Secondary indicators included geomorphic position (D2) and FAC-neutral test (D5). The hydric soil indicator at these wetlands primarily included depleted matrix (F3) with a few data points containing loamy mucky mineral (F1) and depleted below dark surface (A11).

The Category IV functional rating for these wetlands was based on the mostly low to moderate functions and values rankings for AA-1.

WL-4 -24 (AA-2)

Wetland WL-4/A/B/C/D-24 was evaluated for AA-2 and is associated with an unnamed tributary of Post Creek (does not exhibit an ordinary high-water mark) that flows towards the northwest and drains under the roadway via a culvert near RP 37.25 as shown on Figure 3.2 in Attachment 1. WL-4-24 is located on both sides of Highway 93.

According to the Cowardin classification system, WL-4A and 4E are PEM wetlands. WL-4B and 4C are palustrine forested (PFO) wetlands, and WL-4D is considered a palustrine aquatic bed (PAB).

WL-4 PEM wetlands were dominated by cattail, smartweed (*Polygonum lapathifolium*), and common duckweed (*Lemna minor*). WL-4 PFO wetlands were dominated by willow (*Salix amygdaloides*), balsam poplar (*Poplar balsamifera*), softstem bulrush (*Schoenoplectus tabernaemontani*), and cattail. The PAB was dominated by common duckweed with cattail and Nebraska sedge near the edges.

Wetland hydrology primary indicators included surface water (A1), high water table (A2), saturation (A3), and drift deposits (B3). Secondary indicators included geomorphic position (D2) and FAC-neutral test (D5). The hydric soil indicator at these wetlands primarily included depleted matrix (F3) and loamy mucky mineral (F1).

The Category III functional rating for this wetland was based on the small size of the delineated wetland (1.55 acres) and low to moderate functions and values rankings for habitat in AA-2.

WL-5-24, WL-6-24 (AA-3)

WL-5A/B/C-24 and WL-6A/B/C-24 were evaluated for AA-3. They are located east and west of Highway 93 respectively and extend approximately from RP 37.4 to RP 37.9 (Attachment 1, Figures 3.3, 3.4, and 3.5).

These wetlands surround Post Creek, Ashley Creek, and unnamed tributaries to Post Creek. This area consists of roadside ditches as well as a diverse wetland complex with areas of upland mosaic. According to the Cowardin classification system, WL-5A-24 and WL-6A-24 are PEM wetlands. WL-5B-24 is classified as a PAB wetland. Wetlands 5C-24 and 6B-24 are palustrine scrub-shrub (PSS), and WL-6C-24 is a PFO wetland. Based on the HGM classification system (Smith et al. 1995) these were classified as riverine, depressional, and slope wetlands.

The PEM wetlands are dominated by herbaceous species including Nebraska sedge, reed canary grass (*Phalaris arundinacea*), and Eurasian watermilfoil (*Myriophyllum spicatum*). Roadside ditch areas were primarily dominated by cattail.

PSS wetlands were dominated by Greene's mountain-ash (*Sorbus scopulina*), bog birch (*Betula pumila*), and green alder (*Alnus viridis*) with a heavy herbaceous understory dominated by Nebraska sedge.

The PFO wetland areas were dominated by eastern cottonwood (*Populus deltoides*) and white popular (*Populus alba*) with reed canary grass understory.

Primary indicators of wetland hydrology included surface water (A1), high water table (A2), saturation (A3), water-stained leaves (B9), and hydrogen sulfide odor (C1). Secondary indicators consisted of geomorphic position (D2) and the FAC-neutral test (D5). Hydric soil indicators within these wetlands were predominantly represented by a depleted matrix (F3) or histosol (A1). Additionally, two data points displayed mucky mineral (F1) or redox dark surface (F8).

The Category II functional rating for these wetlands resulted from the mostly moderate to high functions and values rankings for AA-3.

WL-7-24 (AA-4)

WL-7-24 was evaluated for AA-4. This wetland is located on the west side of Highway 93 and stretches approximately from RP 37.9 to RP 38.6 (Attachment 1, Figures 3.5, 3.6, and 3.7). This wetland consists of a riverine feature surrounding Unnamed Tributary to Post Creek 1 on the south end near Post Creek. It is heavily influenced by irrigation water and serves as roadside ditch wetlands as it extends to the north.

WL-7-24 has a Cowardin classification of PEM. Based on the HGM classification system (Smith et al. 1995) these wetlands are classified as riverine. The dominate vegetation collected at these data points included cattail, Nebraska sedge, and common spikerush.

Wetland hydrology primary indicators include surface water (A1), saturation (A3), and hydrogen sulfide odor (C1). Hydric soil indicators at these data points include hydrogen sulfide (A4), loamy mucky mineral (F1), and depleted matrix (F3).

The functional rating for these wetlands was a Category III because of the mostly low to moderate rankings for the AA-4.

WL-8-24, WL-9-24 (AA-5)

Wetlands WL-8A/B/C/D-24 and WL-9A/B were evaluated for AA-5. They are located east of Highway 93 from approximately RP 37.8 to RP 38.6 (Attachment 1, Figures 3.5, 3.6, and 3.7). WL-8 is primarily related to riparian zones connected to Unnamed Tributary to Post Creek 2. WL-8D-24 appears to be an isolated depressional wetland.

According to the Cowardin classification system these wetland sample points are predominantly PEMs. WL-8B-24 and WL-9B-24 are classified as PFOs. Based on the HGM classification system (Smith et al. 1995) these are riverine, slope, and depressional wetlands.

Nebraska sedge, cattail, and alpine forget-me-not (*Myosotis asiatica*) dominated the PEM wetlands in AA-5. Baltic rush (*Juncus balticus*) dominated W-8D-24, the isolated depressional wetland. The PFO wetlands in this AA were dominated by peachleaf willow (*Salix amygdaloides*) with an herbaceous understory.

Wetland hydrology primary indicators included surface water (A1), high water table (A2), saturation (A3), sediment deposits (B2), oxidized rhizospheres in living roots (C3), surface soil cracks (B6), inundation visible on aerial imagery (B7), and water-stained leaves (B9). Secondary wetland hydrology indicators found were geomorphic position (D2) and FAC-neutral test (D5). Hydric soil indicators found in AA-5 included depleted below dark surface (A11), depleted matrix (F3), and loamy gleyed matrix (F2). WL-9B exhibited the loamy mucky mineral (F1) indicator.

The functional rating for these wetlands was a Category III because of the mostly low to moderate rankings within AA-5.

WL-10-24, WL-11-24 (AA-6)

WL-10A/B-24 and WL-11 A/B/C/D-24 were evaluated for AA-6. These wetlands begin where Post F Canal crosses Highway 93 just before RP 38.7. The wetlands on the east side of the road extend to the intersection of McDonald Lake Road near RP 39.0 and extend to RP 39.5 on the west side of the road (Attachment 1, Figures 3.7, 3.8, and 3.9).

The Cowardin classification for these wetlands is PEM, with the exception of WL-11D-24 which is classified as a PAB. According to the HGM classification system (Smith et al. 1995) these wetlands are riverine, slope, and depressional wetlands.

The wetlands in AA-6 are dominated by Nebraska sedge, common teasel (*Dipsacus fullonum*), Baltic rush, cattails, and Kentucky bluegrass.

Wetland hydrology primary indicators observed at AA-6 are surface water (A1), high water table (A2), saturation (A3), algal mat or crust (B4), water-stained leaves (B9), and oxidized rhizospheres on living roots (C3). Secondary indicators include geomorphic position (D2) and FAC-neutral test (D5).

Hydric soil indicators for these wetlands are depleted below dark surface (A11), thick dark surface (A12), depleted matrix (F3), and redox dark surface (F6).

The functional rating for these two wetlands was a Category III because of the mostly low to moderate rankings for the AA-6.

WL-12-24, WL-13-24 (AA-7)

WL-12A/B-24 and WL-13A/B/C were evaluated for AA-7. WL-13A/C-24 are on the west side of Highway 93. These wetlands occur on both sides of Highway 93 and extend from approximately 39.1 to RP 39.7 (Attachment 1, Figures 3.8 and 3.9).

All wetlands in AA-7 have a Cowardin classification of PEM. According to the HGM classification system (Smith et al. 1995) these are depressional, riverine, and slope wetlands.

Dominant vegetation at WL-12A/B-24 consist of cattails, Nebraska sedge, Kentucky bluegrass, and meadow foxtail. WL-13A/B/C-24 was dominated by cattails, curly dock, Baltic rush, and common spike-rush.

Wetland hydrology primary indicators observed at AA-7 were sediment deposits (B2) and algal mat or crust (B4). Secondary Indicators included geomorphic position (D2), FAC-neutral test (D5), and raised ant mounds (D6). The hydric soil indicators at these wetlands included depleted below dark surface (A11), thick dark surface (A12), and redox dark surface (F6).

The functional rating for these wetlands was a Category III and was considered mostly low to moderate rankings for the AA-7.

WL-14-24, WL-15-24, WL-16-24 (AA-8)

WL-14A/B/C/D-24, WL-15-24, and WL-16A/B/C/D/E/F-24 were all evaluated for AA-8. These wetland areas begin near RP 39.7 and extend to approximately RP 40.0 on both sides of Highway 93 (Attachment 1, Figure 3.10). Two unnamed irrigation ditches and the Post G Canal run through these wetland areas. This northern end of the project

extents exhibits the characteristic glacial pothole wetlands of the Ninepipe area to the north.

According to Cowardin classification system many wetlands in AA-8 are PEMs or PABs. WL-14C-24 is classified as PFO. According to the HGM classification system (Smith et al. 1995) these are riverine, depressional, and sloped wetlands.

Dominant vegetation in PEM wetlands includes Kentucky bluegrass, Baltic rush, eastern cottonwood (*Populus deltoides*), cattails, and reed canarygrass. The PABs were dominated by common duckweed with cattails and reed canary grass at the edges where they transitioned to PEM or upland. The PFO wetland was dominated by eastern cottonwood with little herbaceous understory vegetation.

Primary indicators of wetland hydrology at these wetlands are surface water (A1), saturation (A3), drift deposits (B3), algal mat or crust (B4), inundation visible on aerial imagery (B7), water-stained leaves (B9), and oxidized rhizospheres on living roots (C3). Secondary indicators include geomorphic position (D2) and FAC-neutral test (D5).

Hydric soil indicators within AA-8 include depleted below dark surface (A11), loamy mucky mineral (F1), and redox dark surface (F6).

The functional rating for these wetlands was a Category III because this AA consisted of a mix of low, moderate, and high rankings.

WL-17-24, WL-18-24, WL-19-24, WL-20-24, WL-21-24 (AA-9)

WL-17A/B-24, WL-18-24, WL-19A/B/C/D/E/F-24, WL-20A-24, and WL-21A/B-24 were evaluated for AA-9. They are located both east and west of Highway 93 from approximately RP 40.0 to the project boundary just north of RP 40.4 (Attachment 1, Figures 3.10 and 3.11).

These wetlands are primarily glacial pothole wetlands with some roadside ditch features. Most of the wetlands in this AA have a range of Cowardin classifications since these glacial pothole features transition from a deeper water PUB or PAB to a PEM as they become shallower and extend toward upland areas. According to the HGM classification system (Smith et al. 1995) these are primarily depressional wetlands with a small percentage of slope wetlands.

Dominant vegetation in AA-9 are cattails, Baltic rush, reed canary grass, Kentucky bluegrass, and common spikerush. The PAB areas consist of common duckweed on the surface of the water.

Wetland hydrology primary indicators at these wetlands are algal mat or crust (B4), inundation visible on aerial imagery (B7), oxidized rhizospheres in living roots (C3), surface soil cracks (B6), and water-stained leaves (B9). The secondary indicators observed within in AA-9 are geomorphic position (D2) and FAC-neutral test (D5). Hydric

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soil indicators at these wetlands include depleted below dark surface (A11) and redox dark surface (F6).

The functional rating for these wetlands was a Category II due to their mostly moderate to high rankings for the AA-9.

Summary: The following provides a summary of each wetland delineated in the study area and their associated MWAM assessment area and functional rating.

Table 2. Wetland Delineation Summary Table

Wetland #	Start RP	Latitude	Longitude	Delineated Acres	MWAM Assessment Area (AA)	Actual MWAM Functional Points	Drainage
WL-1-24	36.8	47.380819	-114.096392	0.98			Post Creek
WL-2A-24	37	47.382976	-114.096177	2.42	AA - 1	2.9	Post Creek
WL-2B-24	37	47.383568	-114.096619	0.10	AA - 1	2.9	Post Creek
WL-3-24	36.9	47.383343	-114.097186	3.21			Post Creek
WL-4A-24	37.2	47.386399	-114.096382	0.50			Post Creek
WL-4B-24	37.2	47.385962	-114.096303	0.36		6.3	Post Creek
WL-4C-24	37.3	47.387054	-114.097193	0.28	AA - 2		Post Creek
WL-4D-24	37.3	47.387269	-114.097477	0.12			Post Creek
WL-4E-24	37.2	47.386871	-114.097381	0.29			Post Creek
WL-5A-24	37.7	47.393797	-114.096369	9.32			Post Creek
WL-5B-24	37.5	47.389930	-114.096181	0.23		8.3	Post Creek
WL-5C-24	37.9	47.395266	-114.095505	2.68	AA - 3		Post Creek
WL-6A-24	37.5	47.390960	-114.098195	19.90	AA - 3		Post Creek
WL-6B-24	37.6	47.391820	-114.098769	5.07			Post Creek
WL-6C-24	37.7	47.393437	-114.097941	8.17			Post Creek
WL-7-24	38.4	47.399198	-114.097156	1.97	AA - 4	4.2	Post Creek
WL-8A-24	38	47.396979	-114.096480	0.36		AA – 5 5.0	Post Creek
WL-8B-24	38	47.398619	-114.096346	0.44	AA – 5		Post Creek
WL-8C-24	38.1	47.399312	-114.096145	0.63			Post Creek
WL-8D-24	38.1	47.399410	-114.096579	0.08			Post Creek
WL-9A-24	38.5	47.405396	-114.096336	3.85]		Post Creek

Wetland #	Start RP	Latitude	Longitude	Delineated Acres	MWAM Assessment Area (AA)	Actual MWAM Functional Points	Drainage
WL-9B-24	38.3	47.402700	-114.096255	0.10			Post Creek
WL-10A-24	38.7	47.407693	-114.095889	0.27		-	Post Creek
WL-10B-24	38.8	47.407673	-114.097479	1.59			Post Creek
WL-11A-24	38.8	47.411265	-114.096133	4.22	AA – 6	3.4	Post Creek
WL-11B-24	39	47.413111	-114.097190	0.44	AA - 0	3.4	Post Creek
WL-11C-24	39.2	47.416176	-114.097308	4.23			Post Creek
WL-11D-24	39.1	47.414645	-114.097666	0.02			Post Creek
WL-12A-24	39.2	47.415761	-114.096555	0.71			Post Creek
WL-12B-24	39.4	47.419508	-114.096404	2.00			Post Creek
WL-13A-24	39.5	47.420304	-114.097005	0.08	AA – 7	3.3	Post Creek
WL-13B-24	39.6	47.420940	-114.096630	0.28	1		Post Creek
WL-13C-24	39.6	47.421171	-114.097040	0.33			Post Creek
WL-14A-24	39.7	47.423296	-114.096300	1.58		- 8 5.5	Post Creek
WL-14B-24	39.7	47.423413	-114.096102	0.14			Post Creek
WL-14C-24	39.8	47.424351	-114.096288	0.17			Post Creek
WL-14D-24	39.8	47.424520	-114.096328	0.19			Post Creek
WL-15-24	39.7	47.424051	-114.097430	0.52			Post Creek
WL-16A-24	39.8	47.424953	-114.096364	0.58	AA – 8		Post Creek
WL-16B-24	39.9	47.425623	-114.097503	2.15			Post Creek
WL-16C-24	39.9	47.425599	-114.097196	0.64			Post Creek
WL-16D-24	40	47.426948	-114.096487	1.31			Post Creek
WL-16E-24	40	47.427224	-114.096114	0.18			Post Creek
WL-16F-24	40	47.427923	-114.096239	0.26			Post Creek
WL-17A-24	40.1	47.428672	-114.097159	0.52	AA – 9	0 04	Post Creek
WL-17B-24	40.1	47.428985	-114.097443	1.21	AA - 9	6.1	Post Creek

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Wetland #	Start RP	Latitude	Longitude	Delineated Acres	MWAM Assessment Area (AA)	Actual MWAM Functional Points	Drainage
WL-18-24	40.2	47.431031	-114.096706	0.14			Post Creek
WL-19A-24	40	47.428279	-114.096223	0.09			Post Creek
WL-19B-24	40.1	47.429046	-114.096049	0.01		6.1	Post Creek
WL-19C-24	40.2	47.430798	-114.096201	0.10			Post Creek
WL-19D-24	40.2	47.430827	-114.096068	0.05	AA – 9		Post Creek
WL-19E-24	40.3	47.432546	-114.096216	1.35	AA – 9		Post Creek
WL-19F-24	40.3	47.432382	-114.096086	0.73			Post Creek
WL-20-24	40.3	47.432746	47.432746	0.21	1		Post Creek
WL-21A-24	40.4	47.433547	-114.097564	0.97	1		Post Creek
WL-21B-24	40.4	47.433940	-114.097462	0.03	1		Post Creek

<u>Streams</u>

Methods: On-site identification of the ordinary high-water mark (OHWM) was completed according to U.S. Army Corps of Engineers (USACE) guidance (Mersel and Lichvar 2005). The OHWM was delineated with a handheld global positioning system (GPS) device with sub-meter accuracy. Data was collected according to USACE guidance and the MDT Wetland and Stream Delineation Process (MDT 2020). The study area was the same as described in the wetland delineation methods section above. Site surveys were completed on August 7 – 8 and September 16 – 18, 2024 by Morrison-Maierle environmental scientists.

The Montana Stream Mitigation Procedure (MTSMP) was completed for natural streams within the project corridor. The MTSMP was not completed for irrigation canals and ditches since they are man-made features.

Streams Discussion: The field investigation resulted in the delineation of eight waterways totaling 11,392 linear feet (3.4 acres). These mapped waterways consisted of Post Creek, Ashley Creek, two unnamed tributaries to Post Creek, Post F Canal, two unnamed irrigation ditches, and Post G Canal.

Note: The Supplemental Environmental Impact Statement (SEIS) for the US 93 Ninepipe/Ronan section signed in February 2008 contained a detailed description of waterways delineated in the project corridor. Unnamed Tributary to Post Creek 1 in the 2008 document was noted between RP 37.2 and 37.3. The 2024 field investigation delineated this area as wetland complex WL-4-24. There is no defined channel through this area due to heavy sedimentation. Therefore, this report and associated maps do not notate an Unnamed Tributary to Post Creek 1. To keep naming consistent with previous documentation, Unnamed Tributary to Post Creek 2 and Unnamed Tributary to Post Creek 3 remain named the same.

Table 3 provides a summary of the delineated waterways within the project area.

Table 3. Waterway Characteristics with OHWM Completed

Stream	RP	Lat.	Long.	Stream Type*	Stream Status*	Existing Condition*
WW-1-24 Post Creek	37.8	47.395025	-114.096823	Perennial	All Others – not a high resource value	Somewhat Impaired
WW-2-24 Ashley Creek	37.6	47.391922	-114.096620°	Perennial	All Others – not a high resource value	Impaired
WW-3-24 Unnamed Tributary to Post Creek 2	37.9	47.396790	-114.096522	Perennial	All Others – not a high resource value	Impaired
WW-4-24 Unnamed Tributary to Post Creek 3	37.9	47.396823	-114.097153	Perennial	All Others – not a high resource value	Impaired
WW-5-24 Post F Canal	38.7	47.407827	-114.096668	Intermittent	N/A	N/A
WW-6-24 Unnamed Irrigation Ditch 1	39.8	47.424443	-114.096296	Intermittent	N/A	N/A
WW-7-24 Unnamed Irrigation Ditch 2	39.8	47.424639	-114.096631	Intermittent	N/A	N/A
WW-8-24 Post G Canal	39.9	47.426539	-114.096754	Intermittent	N/A	N/A

^{*}The MTSMP was not completed for irrigation canals and ditches.

Note: Unnamed Tributary 1 is not referenced in this table. See the Streams Discussion section on page 16 for further explanation.

Stream Descriptions:

Post Creek (WW-1-24)

Post Creek crosses Highway 93 at approximately RP 37.8 (Attachment 1, Figures 3.4-3.5). According to the MTSMP (USACE 2013), Post Creek is described as a perennial, fourth order, tertiary water, and a somewhat impaired stream. Post Creek is bordered by wetland complexes throughout the project corridor.

Montana Stream Mitigation Procedure Factors (USACE 2013):

<u>Stream Type:</u> **Perennial**; perennial streams have a defined channel or channels that flow all year except perhaps during periods of prolonged drought or human diversion or dewatering.

<u>Strahler Stream Order:</u> **Fourth Order**; streams formed by the combining of another stream of equal or greater magnitude than a second order. Post Creek originates in the Mission Mountains and many smaller tributaries flow into this stream before reaching the project area.

Stream Status: **Not of High Resource Value** - a stream that is not covered under the Wild and Scenic Rivers Act, does not maintain outstanding Fisheries Resource Values as reported by MFISH, is not located within a federally- or state-protected area (i.e., national park, state or local park, etc.), is not designated as critical habitat or a core area for any fish species, and is not a first or second order perennial tributary flowing directly into a Primary Water (identified by factors listed above). Post Creek does not meet the criteria for a Primary Water and is a typical fourth order stream flowing into a non-Primary Water (the Flathead River, USACE 2013).

Existing Condition: **Somewhat Impaired**; a loss of system stability and resilience characterized by loss of one or more integrity functions. Recovery is likely to occur naturally once sources of impairment are removed. Due to the presence of bridges, riprap, a dike, and evidence of significant stream bank mass wasting, it was determined that Post Creek is somewhat impaired. According to MTSMP (USACE 2013), there are at least two reasons Post Creek is considered impaired: 1) there are in-stream manmade structures occurring within 0.5 mile upstream or downstream of the proposed project, and 2) riprap is present at the road crossing and 3) past channelization is evident in the stream reach below the bridge and a remnant dike is present immediately upstream of the bridge.

Ashley Creek (WW-2-24)

Ashley Creek enters the project corridor at approximately RP 37.6 and travels north to RP 37.8 where it enters Post Creek (Attachment 1, Figures 3.4-3.5). According to MTSMP (USACE 2013), Ashley Creek is described as a perennial, third order, tertiary water, and an impaired stream. Ashley Creek has been channelized through the project corridor around the Hunt's Timber parcel. The stream is routed north through a culvert

under a private driveway toward Post Creek. The entirety of the creek within the project corridor flows through a highly vegetated and sediment laden ditch with adjacent wetlands.

<u>Stream Type:</u> **Perennial**; perennial streams have a defined channel that flows all year except perhaps during periods of prolonged drought or human diversion. The groundwater remains above the level of the streambed and may be the only source of water for the stream when there is no precipitation or surface runoff.

<u>Strahler Stream Order:</u> **Third Order**; streams formed by the combining of two second order streams. Two second order streams flow into Ashley Creek upstream of the project area.

Stream Status: **Not of High Resource Value**; a stream that is not covered under the Wild and Scenic Rivers Act, does not fully support all MDEQ beneficial uses, does not maintain outstanding Fisheries Resource Values as reported by MFISH, is not located within a federally- or state-protected area (i.e., national park, state or local park, etc.). Ashley Creek does not meet the criteria for a Primary Water, is not designated as critical habitat or a core area for any fish species and is not a first or second order perennial tributary flowing directly into a Primary Water (identified by factors listed above).

Existing Condition: Impaired; a high loss of system stability and resilience characterized by loss of one or more integrity functions. Recovery is unlikely to occur naturally. Due to the presence of culverts, channelization and road encroachments along much of the stream bank, it is determined that Ashley Creek is impaired. According to MTSMP (USACE 2013), there three reasons why Ashley Creek is considered impaired: 1) channelization is evident and present at many locations throughout the project corridor 2) there is evidence of human-induced sedimentation, and 3) there are in-stream manmade structures occurring within 0.1 mile upstream or downstream of the proposed project.

Unnamed Tributary to Post Creek 2 (WW-3-2014)

According to MTSMP (USACE 2013), Unnamed Tributary to Post Creek 2 is described as a perennial, first-order, tertiary water, and an impaired stream. This feature is heavily influenced by irrigation return flows and road drainage, but natural groundwater has been identified as a contributing source by the Confederated Salish and Kootenai Tribes (CSKT) (Morrison-Maierle, 2020). This stream displays little to no natural stream characteristics and do not provide aquatic resource value as confirmed by CSKT natural resources staff (Morrison-Maierle, 2020). The feature enters the east side of the project corridor at approximately RP 38.1 and flows south through the Post Creek wetland complex and to its convergence with Post Creek (Attachment 1, Figure 3.5).

<u>Stream Type:</u> **Perennial**; perennial streams have a defined channel that flows all year except perhaps during periods of prolonged drought or human diversion. The

groundwater remains above the level of the streambed and may be the only source of water for the stream when there is no precipitation or irrigation surface runoff.

<u>Comparative Stream Order:</u> **First Order**; streams that are above the junction of another first order stream, no other streams flow into this stream.

Stream Status: **Not of High Resource Value**; a stream that is not covered under the Wild and Scenic Rivers Act, does not fully support all MDEQ beneficial uses, does not maintain outstanding Fisheries Resource Values as reported by MFISH, is not located within a federally- or state-protected area (i.e., national park, state or local park, etc.). Unnamed Tributary to Post Creek 2 does not meet the criteria for a Primary Water, is not designated as critical habitat or a core area for any fish species and is not a first or second order perennial tributary flowing directly into a Primary Water (identified by factors listed above).

Existing Condition: Impaired; a high loss of system stability and resilience characterized by loss of one or more integrity functions. Recovery is unlikely to occur naturally. Due to the presence of culverts, channelization and road encroachments along a portion of the stream bank, it was determined that Unnamed Tributary to Post Creek 2 is impaired. According to MTSMP (USACE 2013), there are at least two reasons why Unnamed Tributary to Post Creek 2 is considered impaired: 1) there are in-stream manmade structures (East Post Creek Road culvert) occurring within 0.1 mile upstream of the proposed project, and 2) channelization is evident and present at many locations throughout the project corridor.

Unnamed Tributary to Post Creek 3 (WW-4-2014)

According to MTSMP (USACE 2013), Unnamed Tributary to Post Creek 3 is described as a perennial, second-order, tertiary water, and an impaired stream. This feature is heavily influenced by irrigation return flows and road drainage, but groundwater has been identified as a contributing source by CSKT. This stream displays little to no natural stream characteristics and does not provide aquatic resource value as confirmed by CSKT natural resources staff (Morrison-Maierle, 2020). The feature enters the west side of the project corridor at approximately RP 38.1 and flows south adjacent to Highway 93 to its convergence with Post Creek (Attachment 1, Figures 3.5).

<u>Stream Type:</u> **Perennial**; perennial streams have a defined channel that flows all year except perhaps during periods of prolonged drought or human diversion. The groundwater remains above the level of the streambed and may be the only source of water for the stream when there is no precipitation or irrigation surface runoff.

<u>Comparative Stream Order:</u> **Second Order**; streams that are formed by the junction of two first order streams.

<u>Stream Status:</u> **Not of High Resource Value;** a stream that is not covered under the Wild and Scenic Rivers Act, does not fully support all MDEQ beneficial uses, does not

maintain outstanding Fisheries Resource Values as reported by MFISH, is not located within a federally- or state-protected area (i.e., national park, state or local park, etc.). Unnamed Tributary to Post Creek 3 does not meet the criteria for a Primary Water, is not designated as critical habitat or a core area for any fish species and is not a first or second order perennial tributary flowing directly into a Primary Water (identified by factors listed above).

Existing Condition: Impaired; a high loss of system stability and resilience characterized by loss of one or more integrity functions. Recovery is unlikely to occur naturally. Due to the presence of culverts, channelization and road encroachments along a portion of the stream bank, it was determined that Unnamed Tributary to Post Creek 3 is impaired. According to MTSMP (USACE 2013), there are at least two reasons why Unnamed Tributary to Post Creek 3 is considered impaired: 1) there are in-stream manmade structures (West Post Creek Road culvert and private driveway culvert) occurring within 0.1 mile upstream of the proposed project, and 2) channelization is evident and present at many locations throughout the project corridor.

Irrigation Canal Descriptions:

Table 4 provides a description of irrigation features that were identified within the project corridor.

Feature ID RP Lat. Long. WW-5-24 38.7 47.407827 -114.096668 Post F Canal WW-6-24 39.8 47.424443 -114.096296 **Unnamed Irrigation Ditch 1** WW-7-24 39.8 -114.096631 47.424639 **Unnamed Irrigation Ditch 2** WW-8-24 39.9 47.426539 -114.096754 Post G Canal

Table 4. Irrigation Features within the Project Corridor

The MTSMP was not completed for irrigation features delineated within the project corridor, as these are man-made features. The following provides a brief description of each irrigation feature.

Post F Canal (WW-5-24)

The Post F Canal is part of the Flathead Indian Irrigation Project, and crosses the project corridor, under Highway 93, through a culvert between RP 38.6 and RP 38.7 (Appendix A, Figure 3.7). The feature consists of a man-made irrigation canal with a bed and bank, and fringe of herbaceous wetland vegetation along banks edge. Post F Canal originates from Post Creek and flows into Hillside Reservoir. The outlet of the reservoir flows into Hillside Ditch which ultimately terminates into Mission Creek, a tributary of the Flathead River. The waterway has limited flood-prone area with steep

entrenched banks. A small area along the edge of these features was mapped as emergent wetlands (WL-10A-24).

Unnamed Irrigation Ditch 1 (WW-6-24)

The feature delineated as WW-6-24 appears to be a private irrigation ditch excavated from a private stock pond to the east of the project corridor (Appendix A, Figure 3.10). The excavated portion of the ditch ends at the property boundary where it goes under a private driveway through a culvert. The area on the south side of the private driveway is delineated as a wetland (WL-14A-24).

Unnamed Irrigation Ditch 2 (WW-7-24)

Unnamed Irrigation Ditch 2 (WW-7-24) also appears to be a private irrigation ditch and is receiving water from the Post G Canal on this private property parcel (Appendix A, Figure 3.10). The ditch flows west under Highway 93 at approximately RP 39.8 where it terminates in a field approximately 800 feet west of the highway.

Post G Canal (WW-8-24)

The Post G Canal is part of the Flathead Indian Irrigation Project, and crosses the project corridor, under Highway 93, through a culvert at approximately RP 39.9 (Appendix A, Figure 3.10). The feature consists of a man-made irrigation canal with a bed and bank, and fringe of herbaceous wetland vegetation along banks edge. The wetlands associated with this canal are delineated as WL-16B-24 and WL-16D-24. Post G Canal originates from Kicking Horse Reservoir and terminates into Ninepipe Reservoir. This canal is in close proximity to the Ninepipe Reservoir and the Ninepipe National Wildlife Refuge glacial pothole wetland complex.

Summary of Delineated Features:

Feature ID	Feature Type	Delineated Acres*	Linear Feet
Wetlands	-	•	
WL-1-24	PEM	0.98	
WL-2A-24	PEM	2.42	
WL-2B-24	PEM	0.10	
WL-3-24	PEM	3.21	
WL-4A-24	PEM	0.50	
WL-4B-24	PFO	0.36	
WL-4C-24	PFO	0.28	
WL-4D-24	PAB	0.12	
WL-4E-24	PEM	0.29	
WL-5A-24	PEM	9.32	
WL-5B-24	PAB	0.23	
WL-5C-24	PSS	2.68	
WL-6A-24	PEM	19.90	
WL-6B-24	PSS	5.07	
WL-6C-24	PFO	8.17	
WL-7-24	PEM	1.97	
WL-8A-24	PEM	0.36	

Feature ID	Feature Type	Delineated Acres*	Linear Feet
WL-8B-24	PFO	0.44	
WL-8C-24	PEM	0.63	
WL-8D-24	PEM	0.08	
WL-9A-24	PEM	3.85	
WL-9B-24	PFO	0.10	
WL-10A-24	PEM	0.27	
WL-10B-24	PEM	1.59	
WL-11A-24	PEM	4.22	
WL-11B-24	PEM	0.44	
WL-11C-24	PEM	4.23	
WL-11D-24	PAB	0.02	
WL-12A-24	PEM	0.71	
WL-12B-24	PEM	2.00	
WL-13A-24	PEM	0.08	
WL-13B-24	PEM	0.28	
WL-13C-24	PEM	0.33	
WL-14A-24	PEM	1.58	
WL-14B-24	PAB	0.14	
WL-14C-24	PFO	0.17	
WL-14D-24	PEM	0.19	
WL-15-24	PEM	0.52	
WL-16A-24	PEM	0.58	
WL-16B-24	PEM	2.15	
WL-16C-24	PAB	0.64	
WL-16D-24	PEM	1.31	
WL-16E-24	PAB	0.18	
WL-16F-24	PEM	0.26	
WL-17A-24	PEM	0.52	
WL-17A-24 WL-17B-24	PUB	1.21	
WL-17B-24 WL-18-24	PEM	0.14	
	PEM		
WL-19A-24		0.09	
WL-19B-24	PEM	0.01	
WL-19C-24	PEM	0.10	
WL-19D-24	PAB	0.05	
WL-19E-24	PEM	1.35	
WL-19F-24	PAB	0.73	
WL-20-24	PEM	0.21	
WL-21A-24	PEM	0.97	
WL-21B-24	PAB	0.03	
TOTAL WETLAND	S	88.34	
Waterways			
WW-1-24	Perennial	2.68	4,088
Post Creek	refellillal	2.00	4,000
WW-2-24	Doronnial	0.06	1 207
Ashley Creek	Perennial	0.06	1,307
WW-3-24	Doronnial	0.00	2.040
Unnamed Tributary to Post Creek 2	Perennial	0.09	2,012

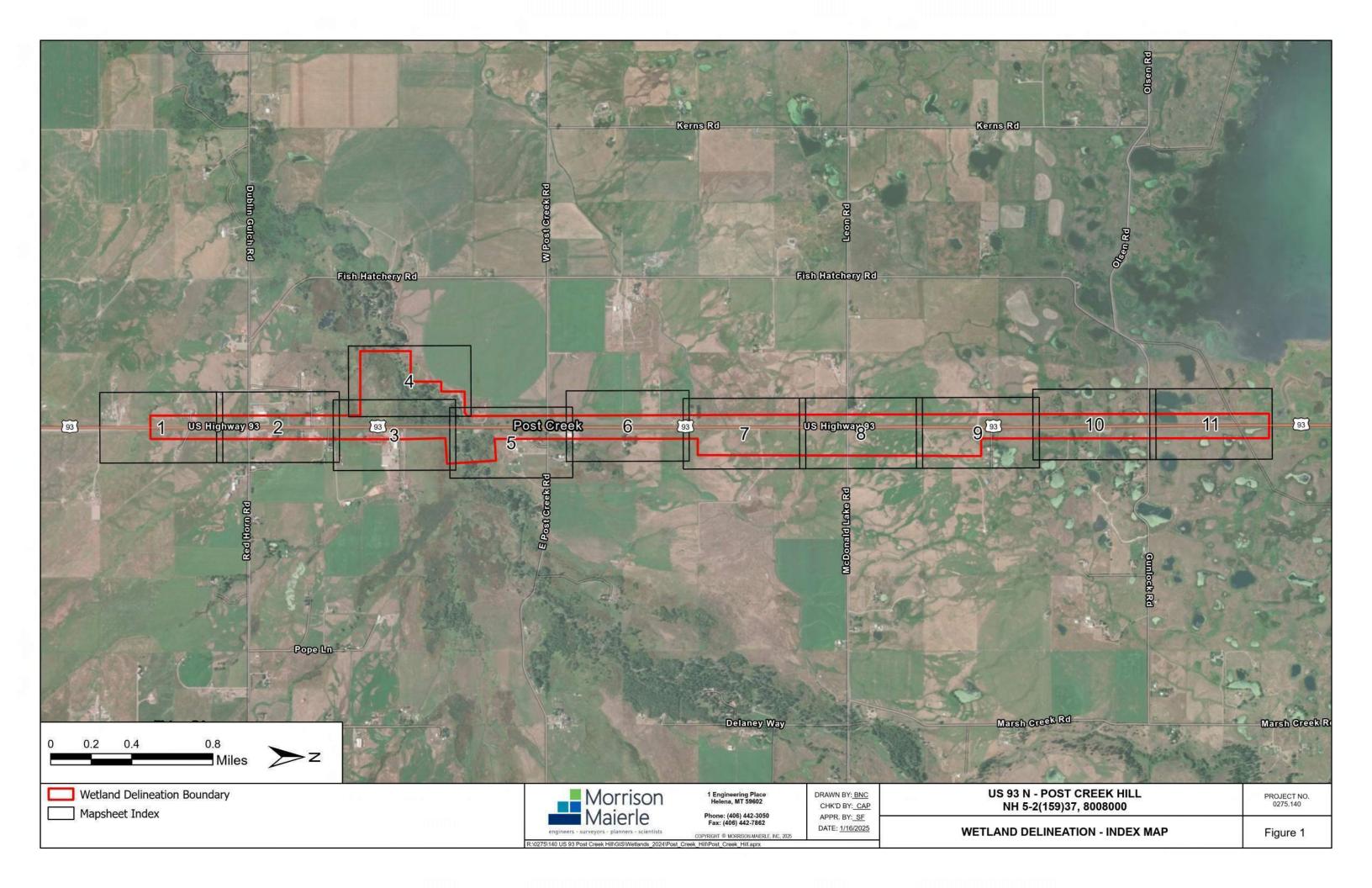
Feature ID	Feature Type	Delineated Acres*	Linear Feet	
WW-4-24	Perennial	0.08	1,755	
Unnamed Tributary to Post Creek 3	refermal	0.08		
TOTAL WATERWAY	S	2.91	9,162	
Irrigation Features				
WW-5-24	Intermittent	0.27	937	
Post F Canal	memmem			
WW-6-24	Intermittent	0.04	174	
Unnamed Irrigation Ditch 1	memmem			
WW-7-24	Intermittent	0.03	528	
Unnamed Irrigation Ditch 2	memmem	0.03	320	
WW-8-24	Intermittent	0.10	501	
Post G Canal	mennilleni	0.10	591	
TOTAL IRRIGATION FEAT	0.44	2,230		

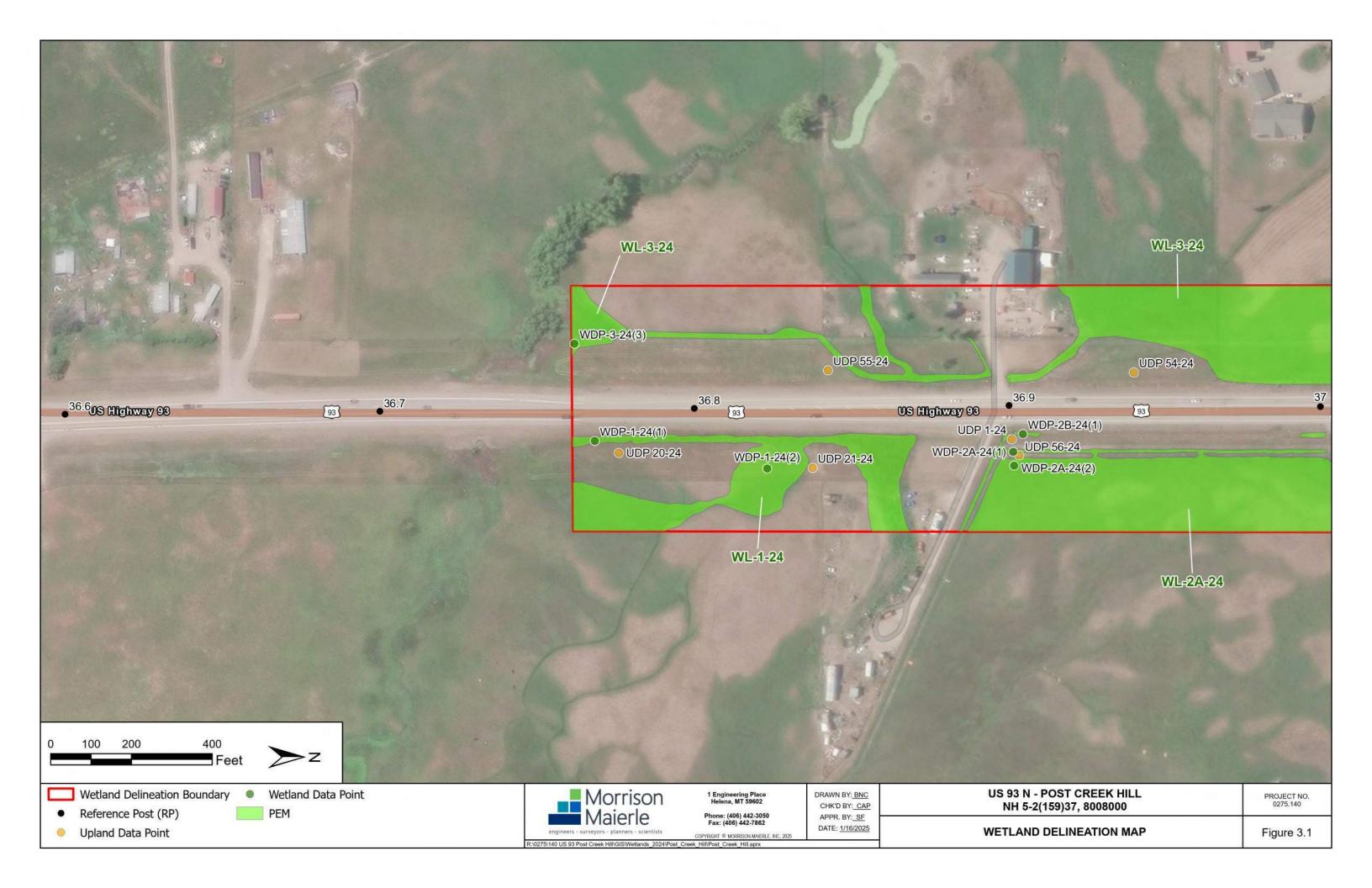
^{*}Totals are shown to the hundredth but are calculated using acreages to the thousandth to avoid rounding errors.

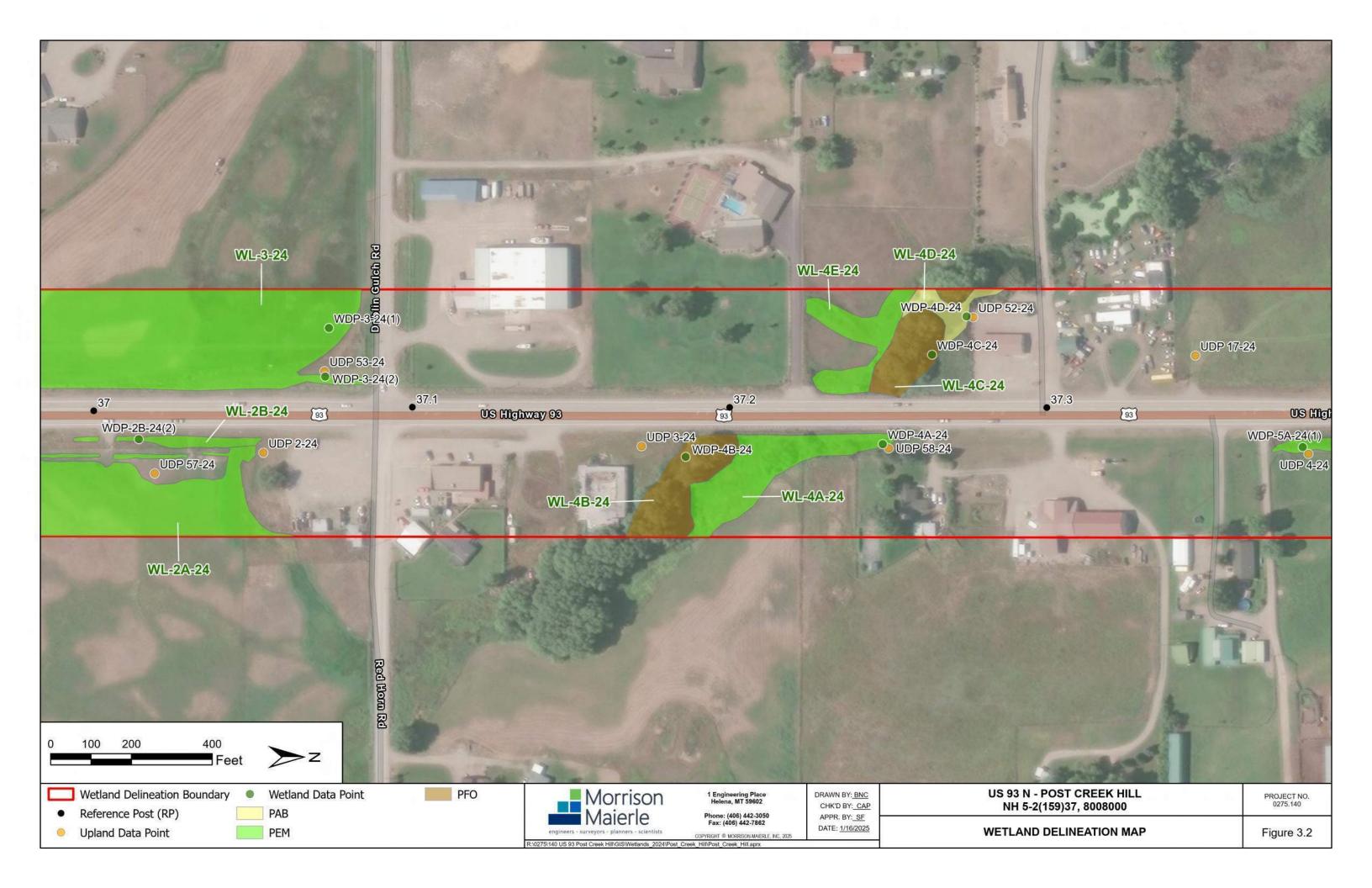
References

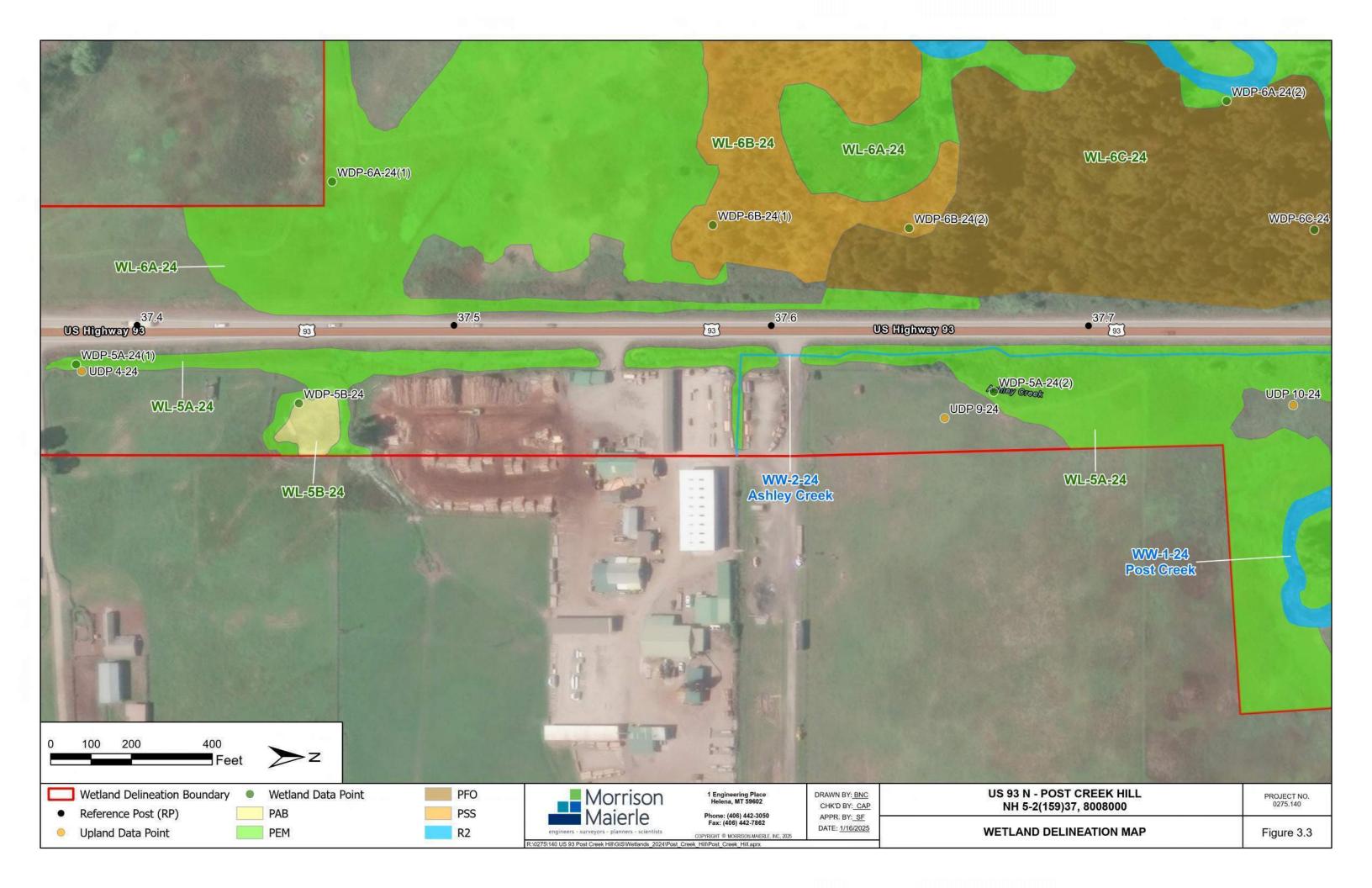
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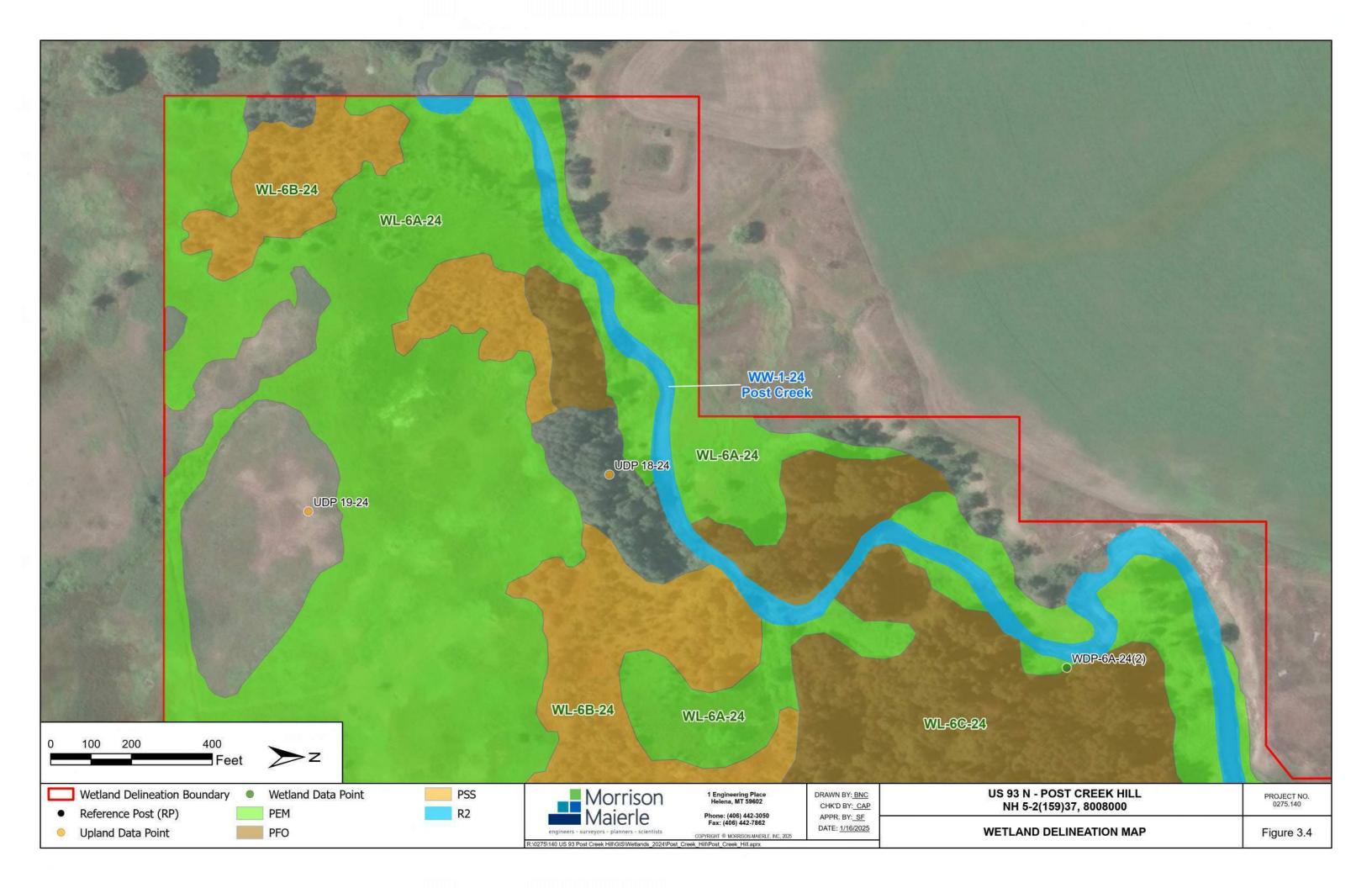
ATTACHMENT 1 – WETLAND DELINEATION FIGURES

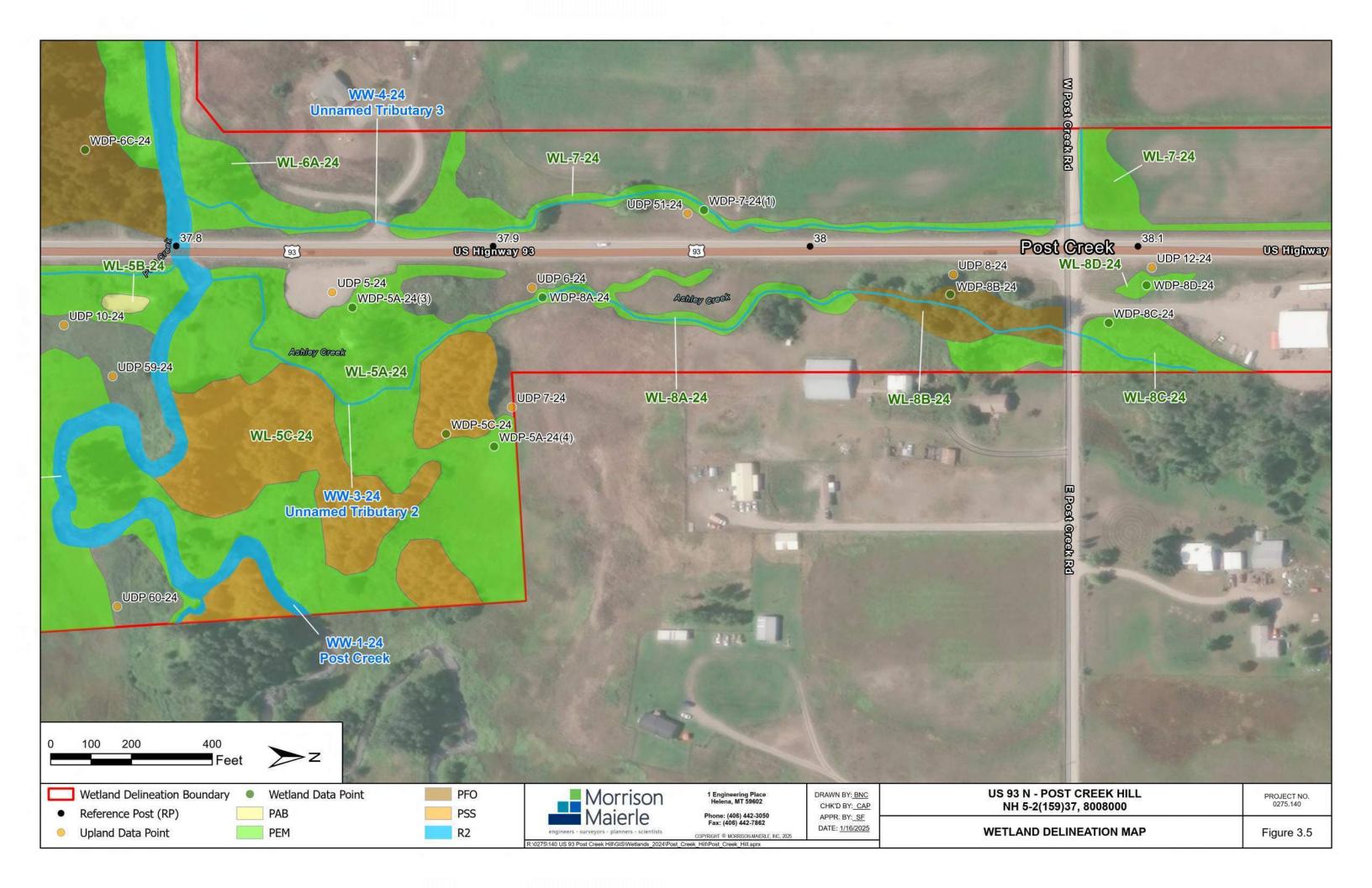


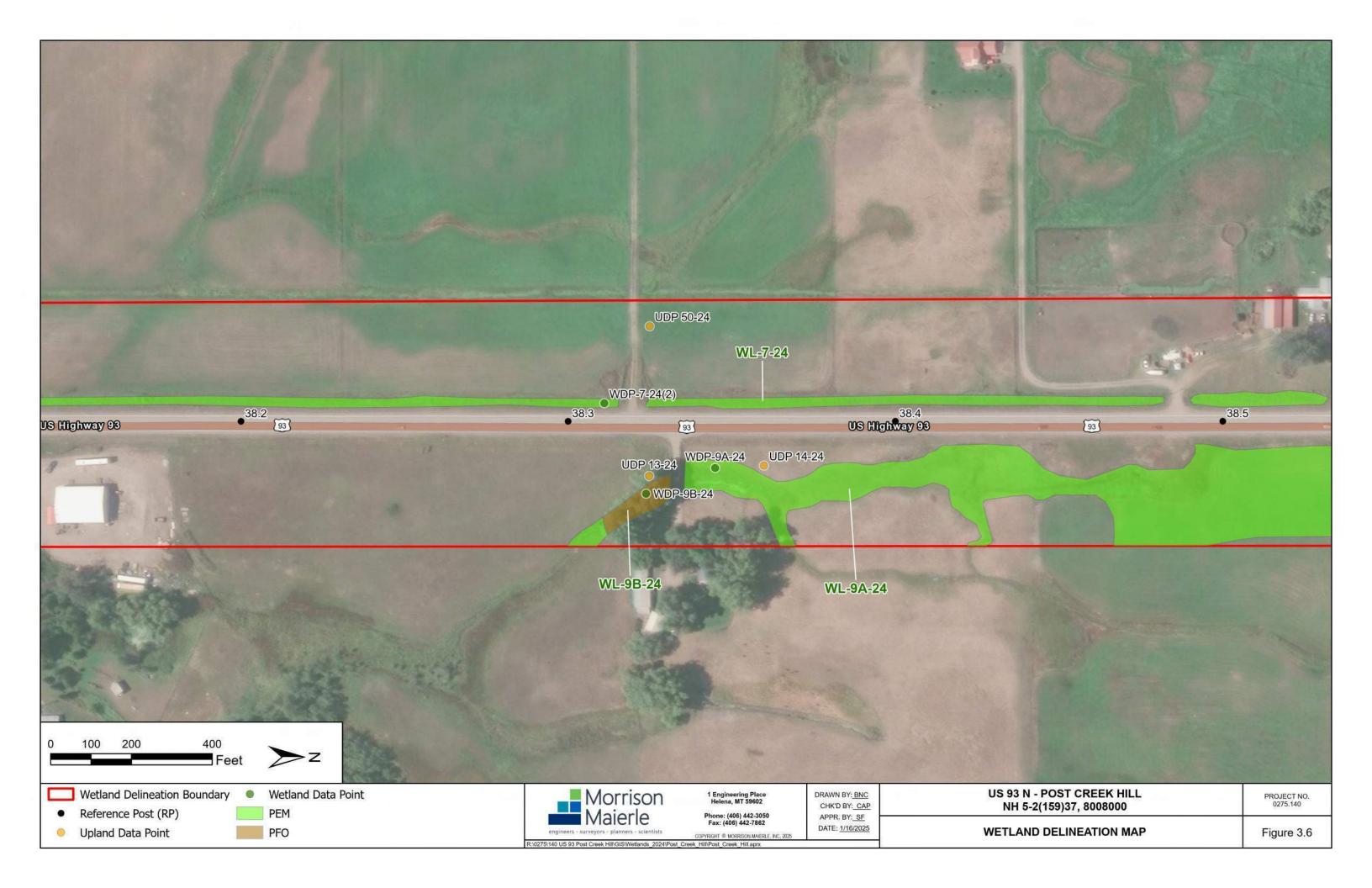


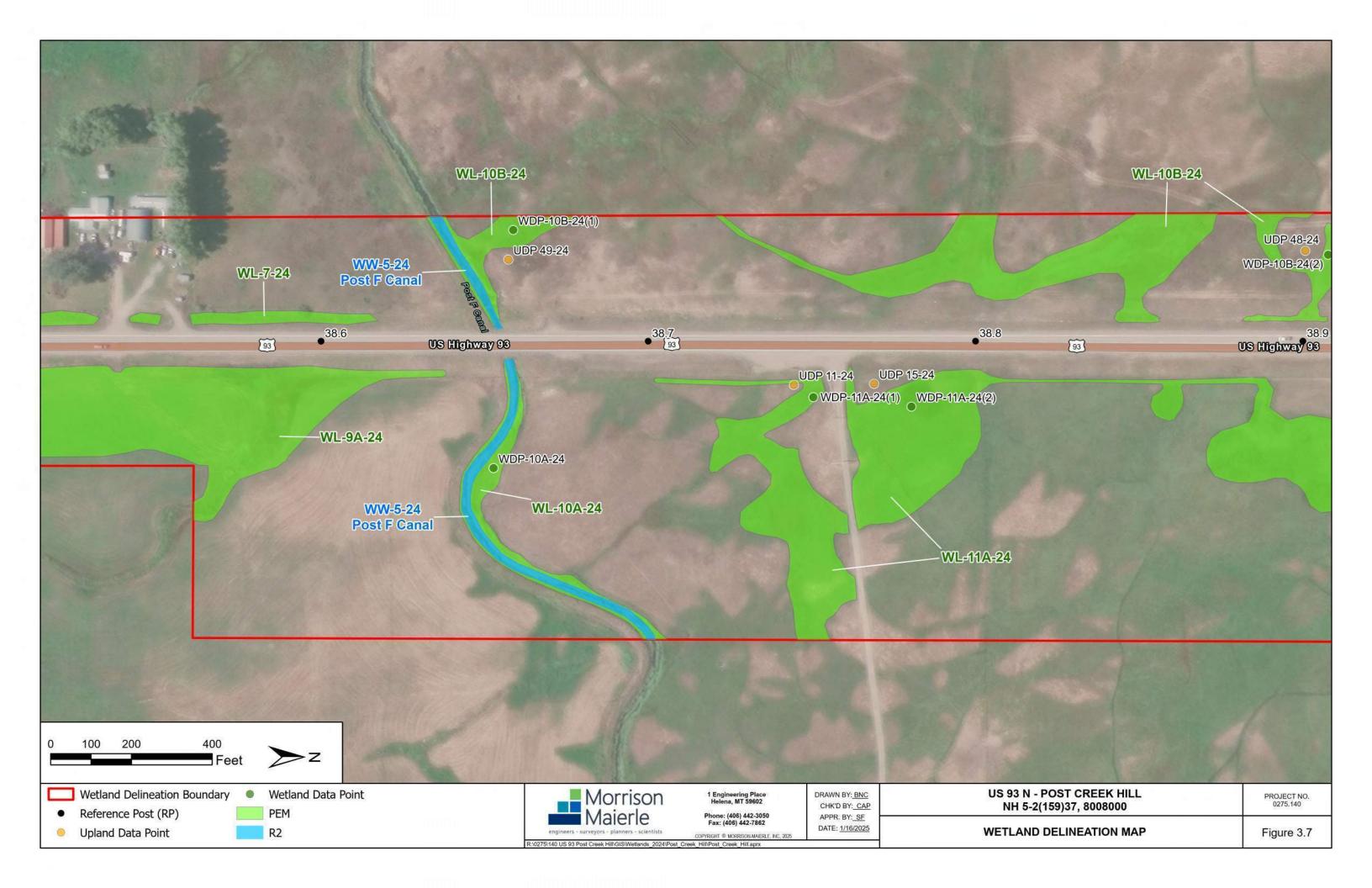


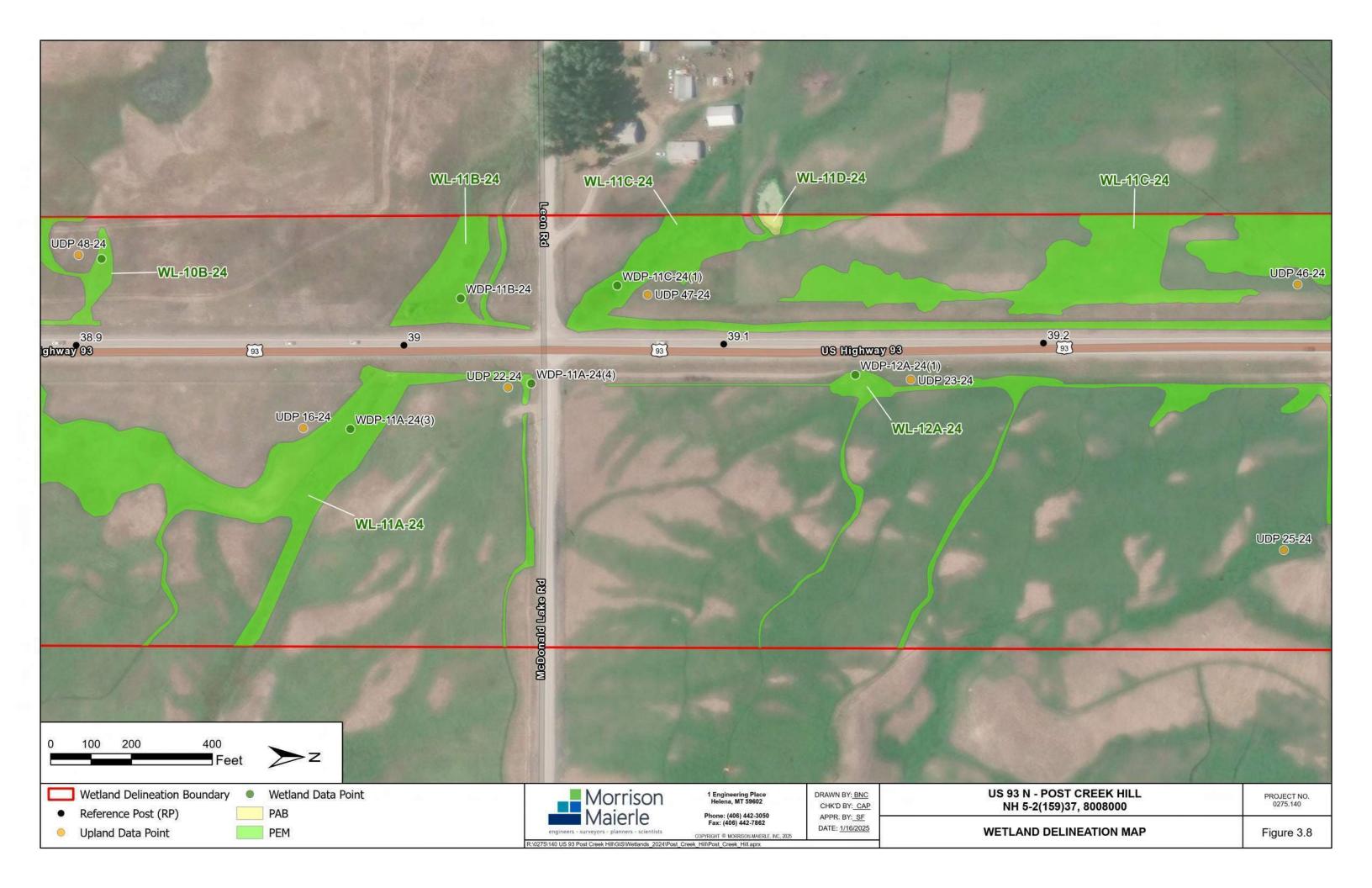


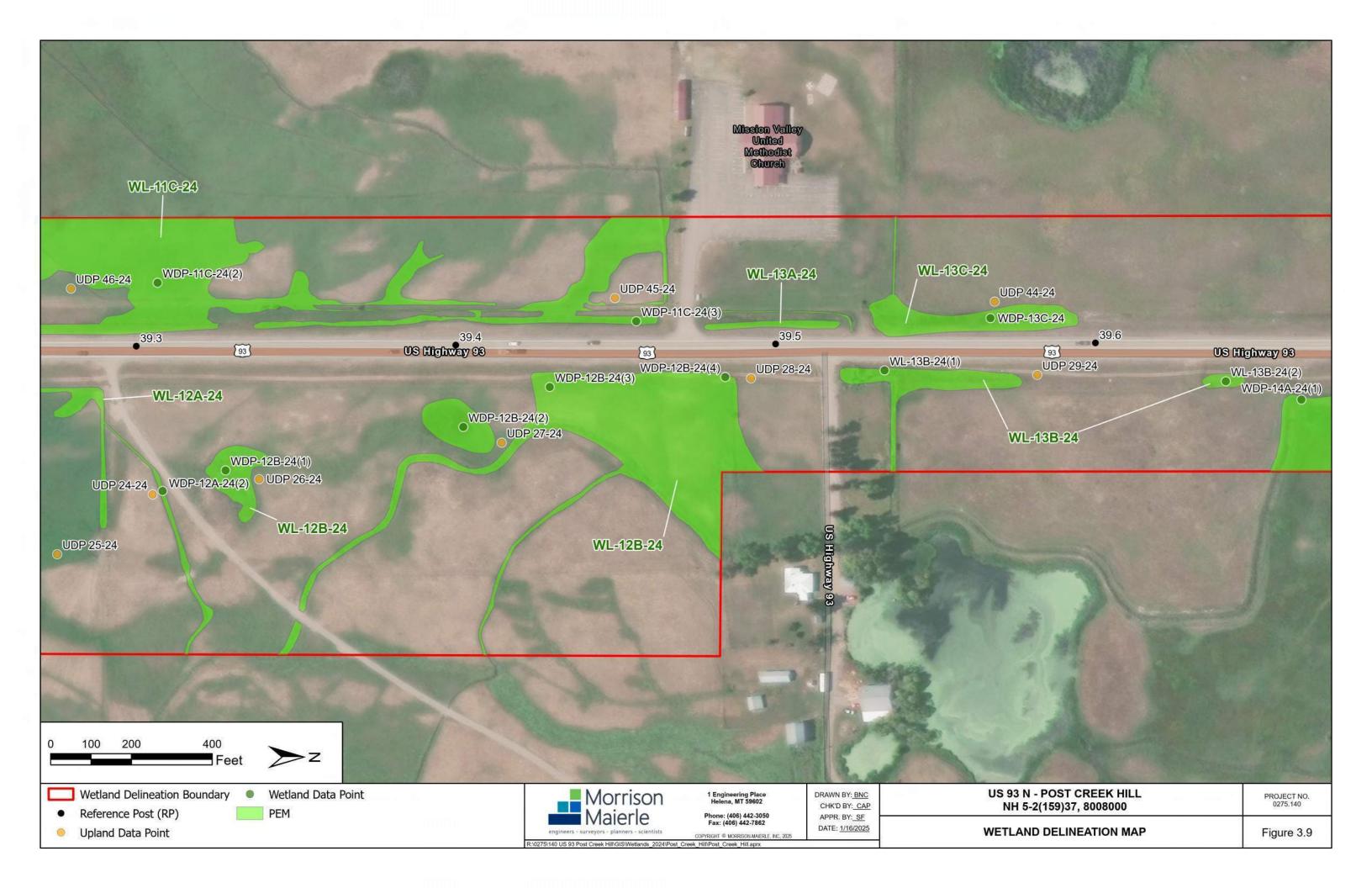


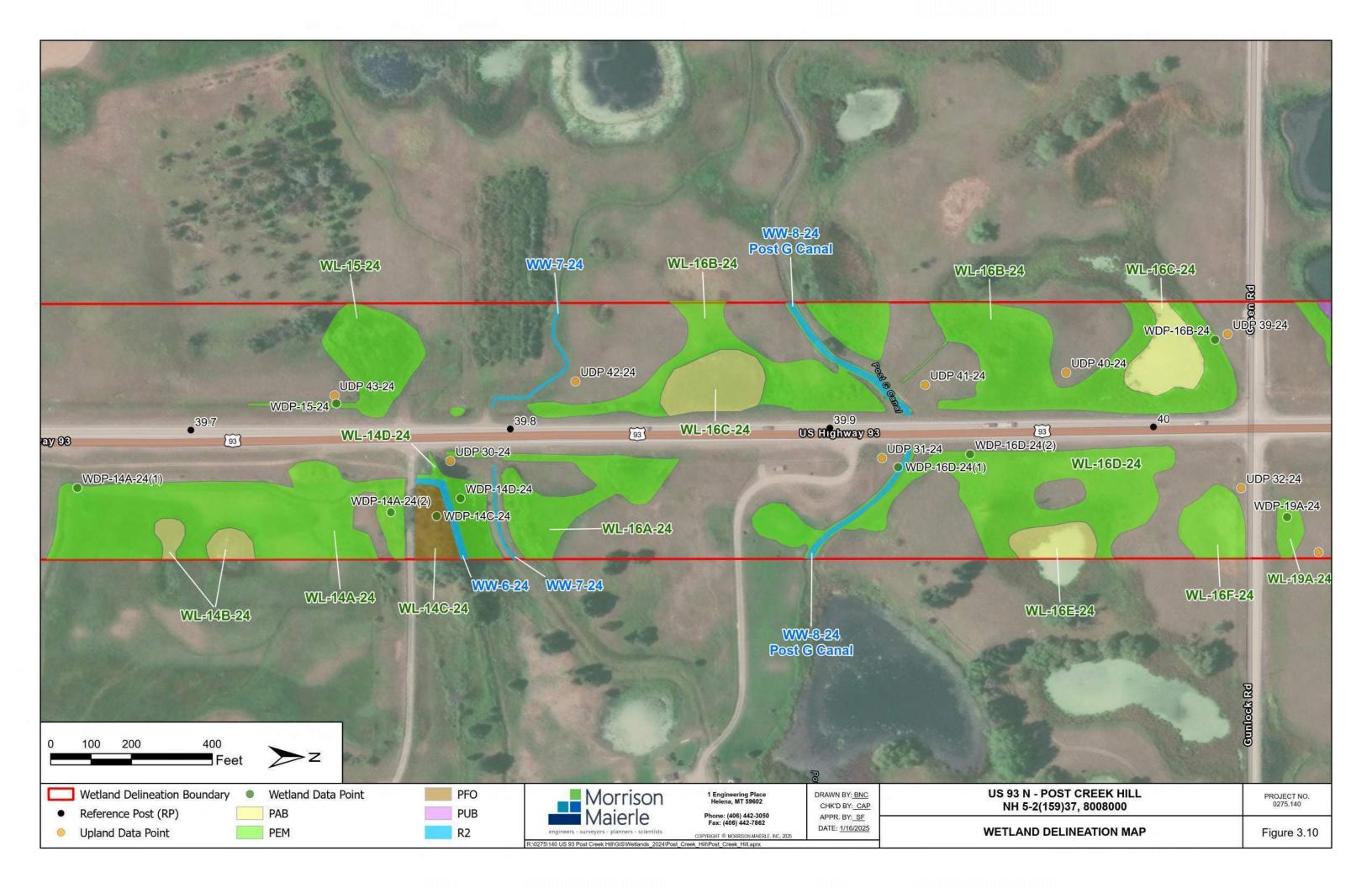


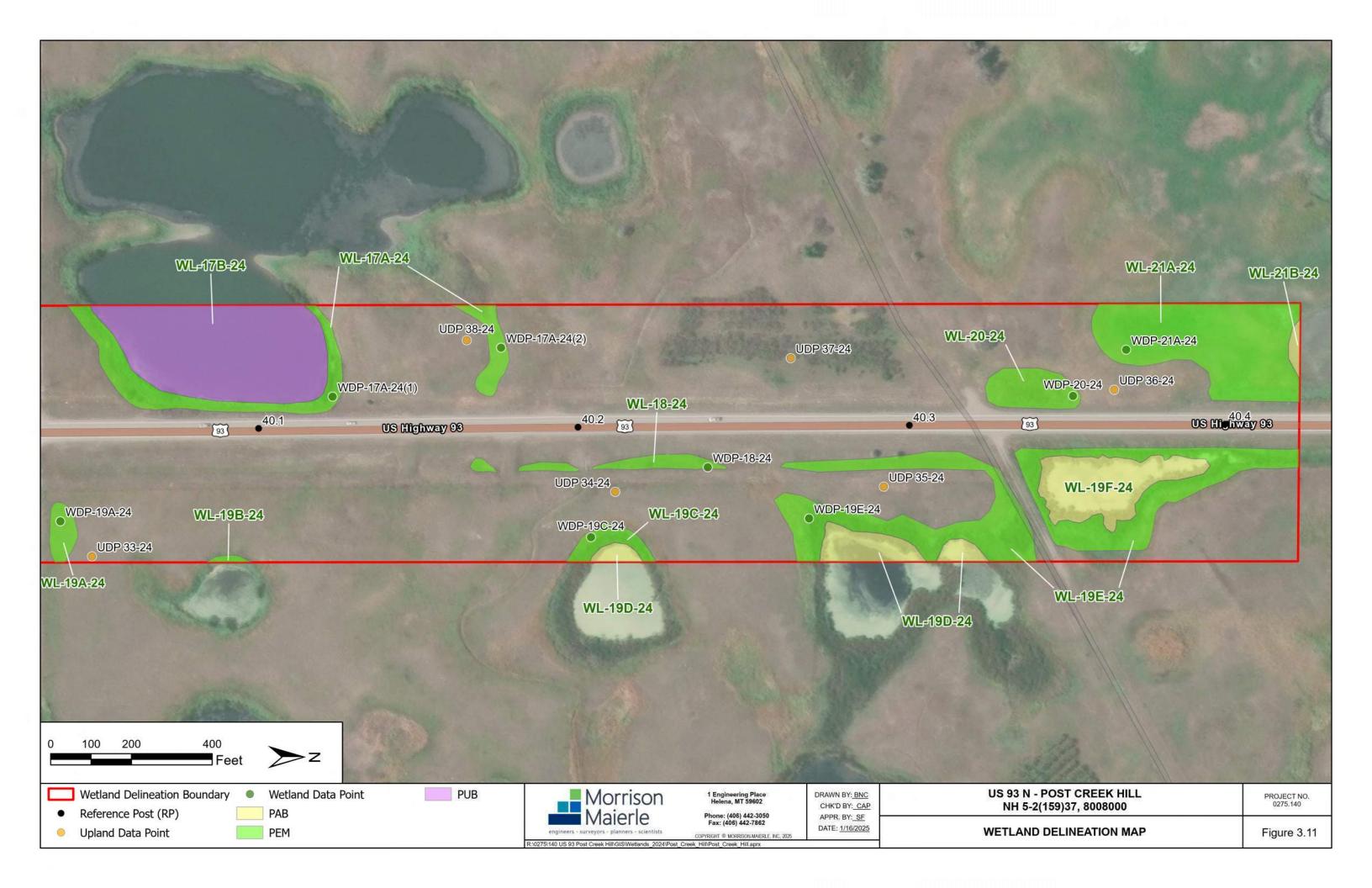














ATTACHMENT 2 – PHOTOGRAPHS



Photo 1: View of Wetland (WL) 1-24, facing north.



Photo 2: View of WL-2A-24, an irrigated field palustrine emergent (PEM) wetland.



Photo 3: View of the PEM irrigation ditch portion of WDP 2A-24 (1).



Photo 4: View of WL-2B-24, a PEM roadside ditch.



Photo 5: View of WL-3-24, an irrigation influenced PEM field, facing west.



Photo 6: View of the upland herbaceous community adjacent to WL-3-24.



Photo 7: View of the roadside upland herbaceous community adjacent to WL-4B-24.



Photo 8: View of WL-4A-24, a PEM wetland, facing south.



Photo 9: View of WL-4B-24, a palustrine forested (PFO) wetland.



Photo 10: View of WL-5A-25 and Ashley Creek, facing north.



Photo 11: View of the palustrine aquatic bed (PAB) excavated stock pond at WL-5B-24.



Photo 12: View of upland field adjacent to WL-5A-24, east of Highway 93 and Ashley Creek.



Photo 13: View of the WL-5A-24 wetland complex adjacent to Post Creek.



Photo 14: View of WL-5A-24, a PEM wetland, where it intersects with WL-5B-24, a palustrine scrub-shrub (PSS) wetland.



Photo 15: View of WL-6A-24, facing east.



Photo 16: View of WL-6B-24, a PSS wetland, facing south toward WL-6A-24.



Photo 17: View of WL-6C-24, a PFO wetland within the Post Creek wetland complex.



Photo 18: View from UDP 18, an upland island within the Post Creek wetland complex.



Photo 19: View of Post Creek on the east side of Highway 93, facing east.



Photo 20: View of the Post Creek wetland complex from an upland hillside north of Post Creek, on the west side of Highway 93.



Photo 21: View of Unnamed Tributary to Post Creek 3 and WL-7-24, facing south.



Photo 22: View of Unnamed Tributary to Post Creek 2 and WL-8A-24, facing south.



Photo 23: View of the upland herbaceous community at UDP 7-24.



Photo 24: View of the PFO community at WL-8B-24.



Photo 25: View of WL-8C-24, a PEM wetland, facing north.



Photo 26: View of WL-8D-24, an isolated roadside PEM.



Photo 27: View of WL-9A-24, a PEM wetland, facing east.



Photo 28: View of WL-9B-24, a PFO wetland.



Photo 29: View of WL-10A-24, a PEM fringe wetland to the Post F Canal, facing west.



Photo 30: View of the Post F Canal on the west side of Highway 93, with fringe PEM wetland WL-10B-24.



Photo 31: View of the upland herbaceous community along the east side of Highway 93 at UDP 11-24.



Photo 32: View of WL-11A-24



Photo 33: Overview of WL-11B-24, facing west.



Photo 34: View of WL-11C-24, facing west.



Photo 35: View of the upland herbaceous road right-of-way near UDP 23 and WL-12A-24.



Photo 36: View of WL-12A-24.



Photo 37: View of WL-12B-24, an irrigation influenced field PEM wetland..



Photo 38: View of WL-13C-24, which is representative of both WL-13A and WL-13B.



Photo 39: View of the upland herbaceous field near RP 39.6 on the west side of Highway 93, facing south.



Photo 40: View of WL-14A (a PEM) and 14B (PAB), facing east.



Photo 41: View of WL-14C-24, a PFO wetland.



Photo 42: View of WL-14D-24, facing east.



Photo 43: View of Unnamed Irrigation Ditch 1, facing east. This ditch is bordered by PEM wetland on the left side and PFO wetland on the right side of the photo.



Photo 44: View of Unnamed Irrigation Ditch 2, facing east.



Photo 45: Overview of WL-16A-24, facing east.



Photo 46: View of WL-16B and 16C, wetlands adjacent to the west side of Highway 93, facing north.



Photo 47: View of the WL-16 complex on the east side of Highway 93 near RP 40.



Photo 48: View of the Post G Canal near RP 39.9.



Photo 49: View of the upland community at UDP 42-24, south of WL-16B.



Photo 50: View of WL-17A and 17-B, a glacial pothole PEM and PUB feature, facing west.



Photo 51: View of the upland herbaceous community near WL-17, facing east.



Photo 52: View of WL-18-24, a PEM roadside ditch wetland.



Photo 53: Representative view of WL-19 glacial pothole wetland features.



Photo 54: Representative view of WL-19 glacial pothole wetland features.



Photo 55: View of northeast end of the project corridor, on the east side of Highway 93 facing north.



Photo 56: View of the northwest end of the project corridor, on the west side of Highway 93 facing north toward WL-21.



Photo 57: View of WL-20-24, facing south.



ATTACHMENT 3 – USACE WETLAND DELINEATION FORMS

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Project/Site: Post Creek Hill - US 93		City/Cour	nty: Lake		Sampling Date:	8-7-2024
Applicant/Owner: MDT			-	State: MT	Sampling Point:	UDP 1-24
Investigator(s): B.Cline, F.Doty		Section, T	ownship, Rar	nge: S25 T19N R20W		
Landform (hillside, terrace, etc.): roadside		 Local relief (co	oncave, conv	ex, none): convex	Slop	oe (%): 0-5
Subregion (LRR/MLRA): LRR E, MLRA 44A	Lat:	47.38194	9 L	ong: -114.096604	Datum:	NAD93
Soil Map Unit Name: Ronan silty clay loam, 0 to 2 p	ercent slopes			NWI classif	fication: none	
Are climatic / hydrologic conditions on the site typica	al for this time o	f year?	Yes X	No (If no, exp	olain in Remarks.)	
Are Vegetation, Soil, or Hydrology	significantly)
Are Vegetation , Soil , or Hydrology				olain any answers in Rer	· 	
SUMMARY OF FINDINGS – Attach site						tures, etc.
Hydrophytic Vegetation Present? Yes	No_X	Is the	Sampled A	·ea		
Hydric Soil Present? Yes	No X		n a Wetland?		No X	
Wetland Hydrology Present? Yes	No X					
VEGETATION – Use scientific names o	f plants.					
T 01 1 (D1 1)	Absolute	Dominant	Indicator			
<u>Tree Stratum</u> (Plot size: 30') 1.	% Cover	Species?	Status	Dominance Test wor		
2.				Number of Dominant S Are OBL, FACW, or FA	•	0 (A)
3.				Total Number of Domi		(. ,
4.				Across All Strata:		1 (B)
		=Total Cover		Percent of Dominant S	Species That	
Sapling/Shrub Stratum (Plot size: 30')			Are OBL, FACW, or F	AC: <u>0</u>	.0% (A/B)
1.				Duning lands and an array	wheeler and a	
2. 3.	_			Prevalence Index wo Total % Cover of:		, by:
1				OBL species 0		0
5.				FACW species 0		0
		=Total Cover		FAC species 5		15
Herb Stratum (Plot size: 30')				FACU species 7	x 4 =	28
1. Bromus inermis	80	Yes	UPL	UPL species 88	8 x 5 =	140
2. Centaurea stoebe	8	No	UPL	Column Totals: 10	`	183 (B)
3. Cirsium arvense		No No	FAC	Prevalence Index :	= B/A = 4.83	3
Lactuca serriola Sisymbrium altissimum		No No	FACU FACU	Hydrophytic Vegetati	ion Indicators:	
6			-FACU		Hydrophytic Vegeta	ation
7.				2 - Dominance Te	, , ,	ation
8.				3 - Prevalence Ind		
9.				4 - Morphological	Adaptations ¹ (Provid	de supporting
10.				data in Remark	s or on a separate	sheet)
11				5 - Wetland Non-\		
	100	=Total Cover		Problematic Hydro	ophytic Vegetation ¹	(Explain)
Woody Vine Stratum (Plot size: 30' 1.) 			¹ Indicators of hydric so be present, unless dist		
2.				Hydrophytic		
% Bare Ground in Herb Stratum		=Total Cover		Vegetation Present? Yes	NoX	<u>_</u>
Remarks:						

SOIL Sampling Point: UDP 1-24

	ription: (Describe	to the depth				tor or c	onfirm the	absence of	indicators	.)	
Depth	Matrix			x Featur		Loc ²	-	4		D	
(inches)	Color (moist)	<u>%</u> _	Color (moist)	%	Type ¹	LUC	Tex			Remarks	
0-5	10YR 4/3	100					Loamy			roots presen	ıt
5-10	10YR 4/3	100					Loamy				
10-16	10YR 5/2	100					Loamy/Clayey		20%	gravel, comp	pacted
	-										
			_								
¹Type: C=Co	oncentration, D=Dep	letion, RM=R	Reduced Matrix, C	S=Cove	ered or Co	ated Sa	and Grains.	² Location	on: PL=Po	re Lining, M=	:Matrix.
Hydric Soil I	ndicators: (Applica	able to all LF	RRs, unless othe	rwise n	oted.)			Indicators	for Proble	matic Hydric	: Soils³:
Histosol	(A1)		Sandy Gle	yed Mat	rix (S4)			2 cm M	luck (A10) ((LRR A, E)	
Histic Ep	ipedon (A2)		Sandy Red	lox (S5)				Iron-Ma	anganese M	lasses (F12)	(LRR D)
Black His	stic (A3)		Stripped M	atrix (S	6)			Red Pa	rent Materi	al (F21)	
Hydrogei	n Sulfide (A4)		Loamy Mu	cky Min	eral (F1) (except	MLRA 1)	Very SI	hallow Dark	Surface (F2	2)
1 cm Mu	ck (A9) (LRR D, G)		Loamy Gle	yed Ma	trix (F2)			Other (Explain in F	Remarks)	
Depleted	Below Dark Surfac	e (A11)	Depleted N	/latrix (F	3)						
	rk Surface (A12)		Redox Dar		` '					tic vegetatio	
	ucky Mineral (S1)		Depleted D		, ,					must be pre	
2.5 cm M	lucky Peat or Peat (S2) (LRR G)	Redox Dep	ression	s (F8)			unless	disturbed o	r problemation	D
	.ayer (if observed):										
Type:			_								
Depth (in	iches):		_				Hydric So	oil Present?		Yes	No X
Remarks:											
iviixed soils tr	om road right of way	у.									
HYDROLO	GY										
Wetland Hyd	Irology Indicators:										
_	ators (minimum of o	one is require	d; check all that a	apply)				Secondary	Indicators (2 or more re	quired)
Surface \	Water (A1)		Water-Stai	ned Lea	aves (B9)	(except	t	Water-	Stained Lea	aves (B9) (M	LRA 1, 2
High Wa	ter Table (A2)		MLRA '	1, 2, 4A,	, and 4B)			4A,	and 4B)		
Saturatio	n (A3)		Salt Crust	(B11)				Draina	ge Patterns	(B10)	
Water Ma	arks (B1)		Aquatic Inv	ertebra	tes (B13)			Dry-Se	ason Wate	r Table (C2)	
	t Deposits (B2)		Hydrogen		, ,					on Aerial Ima	agery (C9)
	osits (B3)		Oxidized R			-	oots (C3)		rphic Posit	. ,	
	t or Crust (B4)		Presence of		•	•			v Aquitard (· · · · ·	
	osits (B5)		Recent Iro				` '		eutral Test		• \
	Soil Cracks (B6)		Stunted or			(D1) (LF	RR A)			ls (D6) (LRR	A)
•	on Visible on Aerial I Vegetated Concave	,	Other (Exp	iain in F	kemarks)			Frost-F	ieave Humi	mocks (D7)	
<u> </u>		e Surface (Bo	·)				_				
Field Observ		_	NI-	D = == 4 = /3	:b\.						
Surface Wate Water Table		es			inches): _						
Saturation Pr		es			inches): _ inches): _		Watlan	d Hydrology	Present?	Yes	No_X
(includes cap				Dopui (I	io.ies <i>)</i>		Wellall	a riyarology	. 1636IIL!	169	
	corded Data (stream	gauge, mon	itoring well. aerial	photos	, previous	inspec	tions), if ava	ailable:			
	(5.1.5311)	5 5-,511	J, 22.141	,	, ,	-1-55	.,,				
Remarks:											

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Project/Site: Post Creek Hill - US 93		City/Cour	nty: Lake		Sampling Dat	te: <u>8-7-2024</u>
Applicant/Owner: MDT		<u> </u>		State: MT	Sampling Poi	nt: UDP 2-24
Investigator(s): B.Cline, F.Doty		Section, T	ownship, Ra	nge: S25 T19N R20W		
Landform (hillside, terrace, etc.): roadside		Local relief (co	oncave, conv	ex, none): convex		Slope (%): 0-5
Subregion (LRR/MLRA): LRR E, MLRA 44A		47.38414	ŀ7 L	.ong: -114.096540	Datur	m: NAD93
Soil Map Unit Name: Ronan silty clay loam, 0 to 2 pe	ercent slopes			NWI class	ification: none	
Are climatic / hydrologic conditions on the site typical	al for this time o	f year?	Yes X	No (If no, ex	plain in Remarks	;.)
Are Vegetation , Soil , or Hydrology	significantly	disturbed? A	re "Normal C	circumstances" present?	? Yes X_	No
Are Vegetation , Soil , or Hydrology						
SUMMARY OF FINDINGS – Attach site i	— map showin	ng samplin	g point lo	cations, transects	, important f	eatures, etc.
Hydrophytic Vegetation Present? Yes	No X	Is the	Sampled A	rea		
	No X		n a Wetland		No_X	
	No X				<u></u>	
Remarks:		•				
VEGETATION – Use scientific names of	f nlants					
VEGETATION – 03e scientific flames of	Absolute	Dominant	Indicator			
Tree Stratum (Plot size: 30')	% Cover	Species?	Status	Dominance Test wo	rksheet:	
1.				Number of Dominant	•	4 (4)
2. 3.				Are OBL, FACW, or I		1(A)
4.				Total Number of Dom Across All Strata:	inant Species	2 (B)
		=Total Cover		Percent of Dominant	Species That	(-/
Sapling/Shrub Stratum (Plot size: 30')			Are OBL, FACW, or F	•	50.0% (A/B
1						
2.				Prevalence Index w		da la da ca
3. 4.				Total % Cover o OBL species	$\frac{\text{Mult}}{0} \times 1 =$	iply by:
5.				· · · · · · · · · · · · · · · · · · ·	$\frac{0}{0}$ $\times 1 = $	0
·		=Total Cover			60 x 3 =	180
Herb Stratum (Plot size: 30')					15 x 4 =	60
Poa pratensis	60	Yes	FAC	UPL species 2	25 x 5 =	125
2. Bromus inermis	25	Yes	UPL	Column Totals: 1	00 (A)	365 (B)
3. Lactuca serriola	15	No	FACU	Prevalence Index	= B/A =3	3.65
4				Lludrophytic Verete	tion Indicators	
56.				Hydrophytic Vegeta 1 - Rapid Test for		netation
7.				2 - Dominance To		gotation
8.				3 - Prevalence In		
9.				4 - Morphological		
10.				data in Remar	ks or on a separa	ate sheet)
11				5 - Wetland Non-		
	100	=Total Cover		Problematic Hydi	rophytic Vegetati	on¹ (Explain)
Woody Vine Stratum (Plot size: 30'	_)			¹ Indicators of hydric s		
1. 2.				be present, unless dis	sturbed or proble	matic.
<u> </u>		=Total Cover		Hydrophytic Vegetation		
% Bare Ground in Herb Stratum					No	X
Remarks:						

SOIL Sampling Point: UDP 2-24

	ription: (Describe	to the depth				tor or c	onfirm the	absence of indic	cators.)	
Depth	Matrix			x Featur		. 2	_			
(inches)	Color (moist)	<u>%</u>	Color (moist)	%	Type ¹	Loc ²		ture	Remarks	
0-2	10YR 3/2	100					Loamy	/Clayey	roots preser	nt
2-16	10YR 3/2	100					Loamy	/Clayey	compacted	
1 _{Tyma} , C=C	oncentration, D=De	nletion DM-D	Paduand Matrix C			atad C	and Crains	2l agatian: I	PL=Pore Lining, M=	-Motrix
	ndicators: (Applic					Jaleu Sa	anu Grains.		Problematic Hydric	
Histosol		able to all Lr	Sandy Gle						(A10) (LRR A, E)	c solls .
	ipedon (A2)		Sandy Red	-					nese Masses (F12)	(I RR D)
Black His			Stripped M						Material (F21)	(LIKICD)
	n Sulfide (A4)		Loamy Mu	`	,	except	MLRA 1)		w Dark Surface (F2	22)
	ck (A9) (LRR D, G))	Loamy Gle			(CACC)	,		ain in Remarks)	/
	Below Dark Surfac		Depleted N	-					,	
	rk Surface (A12)	()	Redox Dar		•			³ Indicators of hy	drophytic vegetatio	n and
Sandy M	lucky Mineral (S1)		Depleted D	Dark Sur	face (F7)				rology must be pre	
2.5 cm N	lucky Peat or Peat	(S2) (LRR G)	Redox Dep	oression	s (F8)			unless distu	rbed or problemati	C.
Restrictive L	ayer (if observed)):								
Type:										
Depth (ir	nches):		_				Hydric So	oil Present?	Yes	No X
Remarks:	·									<u> </u>
HYDROLO	GY									
Wetland Hyd	drology Indicators	:								
Primary Indic	ators (minimum of	one is require							ators (2 or more re	
	Water (A1)		Water-Stai		, ,		t		ed Leaves (B9) (M	LRA 1, 2
ı —	ter Table (A2)				, and 4B)			4A, and	,	
Saturation			Salt Crust						atterns (B10)	
	arks (B1)		Aquatic Inv						Water Table (C2)	(00)
	t Deposits (B2)		Hydrogen		` '		1 - (00)		/isible on Aerial Im	agery (C9)
	osits (B3)		Oxidized R			-	oots (C3)		Position (D2)	
	t or Crust (B4) osits (B5)		Presence of Recent Iro				o (C6)	Shallow Aqu		
·	Soil Cracks (B6)		Stunted or				,	FAC-Neutra	Mounds (D6) (LRR	Δ)
	on Visible on Aerial	Imagery (B7)				(01) (L 1	(CCA)		Hummocks (D7)	· -)
	Vegetated Concav	,		, I G I I I I I	tomanto,				Transitione (B1)	
Field Observ			,				1			
Surface Water		es	No	Depth (inches):					
Water Table		es			inches):					
Saturation Pr		es			inches):		Wetlan	d Hydrology Pres	sent? Yes	No_X
(includes cap					′ –			, ,,		
	corded Data (strear	n gauge, mon	itoring well, aeria	l photos	, previous	inspec	tions), if ava	ailable:		
Remarks:										

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Project/Site: Post Creek Hill - US 93		City/Cour	nty: Lake		Sampling D	oate: 8-7-2024
Applicant/Owner: MDT			-	State: MT	Sampling P	oint: UDP 3-24
Investigator(s): B.Cline, F.Doty		Section, T	ownship, Ra	nge: S24 T19N R20	OW	
Landform (hillside, terrace, etc.): field		Local relief (co	oncave, conv	ex, none): convex		Slope (%): 0-5
Subregion (LRR/MLRA): LRR E, MLRA 44A	Lat:	47.38588	5 L	ong: -114.096584	Daf	tum: NAD93
Soil Map Unit Name: Ronan silty clay loam, 2 to 4 p	ercent slopes			NWI cla	assification: none	
Are climatic / hydrologic conditions on the site typica	al for this time o	f year?	Yes X	No (If no,	explain in Remar	ks.)
Are Vegetation, Soil, or Hydrology	significantly of	disturbed? A	re "Normal C	ircumstances" prese	ent? Yes X	No
Are Vegetation, Soil, or Hydrology					'	· —
SUMMARY OF FINDINGS – Attach site						features, etc.
Hydrophytic Vegetation Present? Yes	No X	Is the	Sampled A	rea		
Hydric Soil Present? Yes	No X		n a Wetland		No X	_
Wetland Hydrology Present? Yes	No X					•
Remarks: VEGETATION – Use scientific names of	f plants.					
<u>Tree Stratum</u> (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test	workshoot:	
1	70 COVE	Species:	Status	Number of Domina		
2.				Are OBL, FACW,	•	0 (A)
3.				Total Number of D	ominant Species	1 (B)
		=Total Cover		Percent of Domina	ant Species That	(=)
Sapling/Shrub Stratum (Plot size: 30')			Are OBL, FACW,	•	0.0% (A/B)
2.				Prevalence Index	worksheet:	
3.				Total % Cove	r of: M	ultiply by:
4.				OBL species	0 x 1 =	
5		T-4-1 0		FACW species		
Herb Stratum (Plot size: 30')		=Total Cover		FAC species FACU species	0 x 3 = 20 x 4 =	
1. Bromus inermis	60	Yes	UPL	UPL species	60 x 5 =	300
Lactuca serriola	15	No	FACU	Column Totals:	80 (A)	380 (B)
3. Salsola tragus 4.	5	No	FACU	Prevalence Ind	`` ′	4.75
5.				Hydrophytic Vege	etation Indicator	
6.					for Hydrophytic \	
7.				2 - Dominance	e Test is >50%	
8.				3 - Prevalence	e Index is ≤3.0 ¹	
9						Provide supporting
10					narks or on a sepa	•
11	80	=Total Cover			on-Vascular Plant lydrophytic Vegeta	
Woody Vine Stratum (Plot size: 30')			¹ Indicators of hydr	ic soil and wetland	d hydrology must
1.				be present, unless	disturbed or prob	lematic.
2		=Total Cover		Hydrophytic Vegetation	/oc N-	~
% Bare Ground in Herb Stratum				Present?	/esNo	<u>X</u>
Remarks:						

SOIL Sampling Point: UDP 3-24

	ription: (Describe	to the depth				tor or c	confirm the	absence of indic	cators.)	
Depth	Matrix			x Featur		. 2	_			
(inches)	Color (moist)	<u> %</u>	Color (moist)	%	Type ¹	Loc ²	Tex		Remarks	
0-3	10YR 3/2	100					Loamy	/Clayey	roots preser	nt
3-16	10YR 3/2	100					Loamy	/Clayey	compacted	
1T C-C		nletien DM-D	Sadvasad Matrix C					21 + 1	DI - Dana Linina Ma	- N.AAudis
	ncentration, D=De ndicators: (Applic					pated Sa	and Grains.		PL=Pore Lining, M= Problematic Hydri	
Histosol		able to all Lr							-	C Solls :
	ipedon (A2)		Sandy Gle Sandy Red						(A10) (LRR A, E) nese Masses (F12)	(I PP D)
Black His			Stripped M						Material (F21)	(LIKIK D)
	n Sulfide (A4)		Loamy Mu	`	,	excent	MIRA 1)		w Dark Surface (F2	22)
	ck (A9) (LRR D, G)	1	Loamy Gle			OXOOPE	inieroa ij		ain in Remarks)	/
	Below Dark Surfac		Depleted N	-						
	rk Surface (A12)	()	Redox Dar		•			³ Indicators of hy	drophytic vegetatio	on and
	lucky Mineral (S1)		Depleted D		` '				lrology must be pre	
2.5 cm N	lucky Peat or Peat	(S2) (LRR G)	Redox Dep	oression	s (F8)			unless distu	ırbed or problemati	C.
Restrictive I	ayer (if observed)):								
Type:	,									
Depth (ir	nches):		_				Hydric So	oil Present?	Yes	No X
Remarks:						ı				
HYDROLO	GY									
Wetland Hyd	drology Indicators	:								
Primary Indic	cators (minimum of	one is require	d; check all that a	apply)				Secondary Indic	ators (2 or more re	<u>equired)</u>
Surface	Water (A1)		Water-Stai		, ,		t	Water-Stair	ned Leaves (B9) (M	LRA 1, 2
ı —	ter Table (A2)				, and 4B)			4A, and	,	
Saturatio			Salt Crust						atterns (B10)	
	arks (B1)		Aquatic Inv						Water Table (C2)	()
	t Deposits (B2)		Hydrogen		` '		(00)		/isible on Aerial Im	agery (C9)
	osits (B3) t or Crust (B4)		Oxidized R			-	oots (C3)		Position (D2)	
	osits (B5)		Presence of Recent Iro				lc (C6)	Shallow Aqu		
·	Soil Cracks (B6)		Stunted or				` '		Mounds (D6) (LRR	Δ)
	on Visible on Aerial	Imagery (B7)				(01) (L 1	(X, A)		e Hummocks (D7)	(A)
	Vegetated Concav	,		, I G I I I I I	tomanto,				o riaminocho (Br)	
Field Observ			,				1			
Surface Water		es	No	Depth (inches):					
Water Table		es			inches):					
Saturation Pr		es			inches):		Wetlan	d Hydrology Pre	sent? Yes	No_X
(includes cap					′ –					<u> </u>
	corded Data (strear	n gauge, mon	itoring well, aeria	l photos	, previous	inspec	tions), if ava	ailable:		
Remarks:										

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Project/Site: Post Creek Hill - US 93		City/Cour	nty: Lake		Sampling Date:	8-7-2024
Applicant/Owner: MDT			-	State: MT	Sampling Point:	UDP 4-24
Investigator(s): B.Cline, F.Doty		Section, T	ownship, Ra	nge: S24 T19N R20W		
Landform (hillside, terrace, etc.): field		 Local relief (co	oncave, conv	ex, none): convex	Slo	ope (%): 0-5
Subregion (LRR/MLRA): LRR E, MLRA 44A	Lat:	47.38894	8 I	ong: -114.096533		NAD93
Soil Map Unit Name: Colake silt loam, drained, 0 to					fication: none	
Are climatic / hydrologic conditions on the site typica			Yes X		-	
Are Vegetation, Soil, or Hydrology		-			•	
Are Vegetation , Soil , or Hydrology				plain any answers in Re	· 	
<u> </u>	_			-	•	. 4 4
SUMMARY OF FINDINGS – Attach site r	nap snowin	ig sampling	g point io	cations, transects	, important fea	itures, etc.
Hydrophytic Vegetation Present? Yes	No X	Is the	Sampled A	rea		
	No X	withi	n a Wetland	? Yes	No X	
Wetland Hydrology Present? Yes	No X					
Remarks:						
VEGETATION – Use scientific names of	plants.					
<u>Tree Stratum</u> (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test wo	rkshoot:	
	70 COVE	Species:	Status			
1. 2.				Number of Dominant Are OBL, FACW, or F	•	1 (A)
3.				Total Number of Dom		(
4.				Across All Strata:	пан орсоюз	2 (B)
		=Total Cover		Percent of Dominant	Species That	
Sapling/Shrub Stratum (Plot size: 30')			Are OBL, FACW, or F	AC: <u>5</u>	50.0% (A/B)
1						
2.				Prevalence Index wo		
3.				Total % Cover o	·	
4	_			· · ·	0 x1 = 0 x2 =	0
J		=Total Cover			55 x 3 =	165
Herb Stratum (Plot size: 30')		rotal corol			0 x 4 =	0
1. Thinopyrum intermedium	30	Yes	UPL		30 x 5 =	150
2. Poa pratensis	30	Yes	FAC		35 (A)	315 (B)
3. Calystegia sepium	10	No	FAC	Prevalence Index	= B/A = 3.7	<u>'1</u>
4. Cirsium arvense	5	No	FAC			
5. Solanum dulcamara	5	No	FAC	Hydrophytic Vegetat		
6. <u>Dipsacus fullonum</u>	5	No	FAC		Hydrophytic Vege	tation
7.				2 - Dominance Te		
8. 9.				3 - Prevalence In	dex is ≤3.0° Adaptations¹(Prov	ida aynaartina
10					s or on a separate	
11.				5 - Wetland Non-	· · · · · · · · · · · · · · · · · · ·	,
	85	=Total Cover			ophytic Vegetation	ı ¹ (Explain)
Woody Vine Stratum (Plot size: 30')			¹ Indicators of hydric s		` ' '
1.				be present, unless dis		
2.				Hydrophytic		
		=Total Cover		Vegetation		
% Bare Ground in Herb Stratum				Present? Yes	No _X	· -
Remarks:						

SOIL Sampling Point: UDP 4-24

Depth	Matrix		Redo	(r eatur							
inches)	Color (moist)	<u>%</u>	Color (moist)	%	Type ¹	Loc ²	Tex	ture	Re	marks	
0-4	10YR 2/2	100					Loamy/	Clayey	roots	present	
4-10	10YR 2/2	100					Loamy/	Clayey			
10-16	10YR 3/2	100					Loamy/	Clayey			
							•				
Type: C=Co	oncentration, D=Depl	etion RM	=Reduced Matrix C	S=Cove	ered or Co	nated S	and Grains	² l ocation	n: PL=Pore Lin	ing M=Ma	ntrix
•	Indicators: (Application)					Jaioa Ci	aria Graino.		or Problematic	_	
Histosol			Sandy Gle						ck (A10) (LRR	-	
Histic Ep	pipedon (A2)		Sandy Red	lox (S5)				Iron-Mar	ganese Masse	s (F12) (L l	RR D)
Black Hi	stic (A3)		Stripped M	atrix (S6	3)			Red Pare	ent Material (F2	21)	
Hydroge	n Sulfide (A4)		Loamy Mu	cky Mine	eral (F1)	(except	MLRA 1)	Very Sha	allow Dark Surfa	ace (F22)	
1 cm Mu	ck (A9) (LRR D, G)		Loamy Gle	yed Mat	trix (F2)			Other (E	xplain in Rema	rks)	
	l Below Dark Surface	(A11)	Depleted N	/latrix (F	3)						
	ark Surface (A12)		Redox Dar		` '				hydrophytic ve	-	
	lucky Mineral (S1)		Depleted D		, ,				nydrology must		ıt,
2.5 cm N	Mucky Peat or Peat (S	32) (LRR (G) Redox Dep	ressions	s (F8)			unless d	sturbed or prob	olematic.	
Restrictive I	_ayer (if observed):										
Type:											
Type: _ Depth (ir Remarks:	nches):		<u>_</u>				Hydric Se	oil Present?	Yes	s	No <u>)</u>
Depth (ir	,						Hydric Se	oil Present?	Yes	S	No <u></u>
Depth (in Remarks:	GY						Hydric So	oil Present?	Yes	3	No <u>></u>
Depth (in Remarks: YDROLO Vetland Hyd	GY drology Indicators:	ne is reaui	red: check all that a	(Vlagı			Hydric Se				
Depth (in Depth	GY	ne is requi			ves (B9)	(excep		Secondary Ir	Yes	nore requi	red)
Depth (ir Remarks: YDROLO Vetland Hydrimary India Surface	GY drology Indicators: cators (minimum of o	ne is requi	Water-Stai	ned Lea	ves (B9) and 4B)			Secondary Ir Water-S	idicators (2 or r	nore requi	red)
Depth (ir Remarks: YDROLO Vetland Hyde Surface	drology Indicators: cators (minimum of or Water (A1) ter Table (A2)	ne is requi	Water-Stai	ned Lea 1, 2 , 4A ,				Secondary Ir Water-S 4A, a	idicators (2 or r	nore requi B9) (MLR .	red)
Depth (ir Remarks: YDROLO Vetland Hydica Surface High Wa Saturatio	drology Indicators: cators (minimum of or Water (A1) ter Table (A2)	ne is requi	Water-Stai	ned Lea 1, 2, 4A, (B11)	and 4B)			Secondary Ir Water-S 4A, a	ndicators (2 or r cained Leaves (nd 4B)	nore requi B9) (MLR	red)
Depth (ir Remarks: YDROLO Vetland Hyd Primary India Surface High Wa Saturatic Water M	drology Indicators: cators (minimum of or Water (A1) tter Table (A2) on (A3)	ne is requi	Water-Stai MLRA Salt Crust	ned Lea 1, 2, 4A, (B11) /ertebrat	and 4B) tes (B13)			Secondary Ir Water-S: 4A, a Drainage Dry-Seas	idicators (2 or r cained Leaves (nd 4B) e Patterns (B10	nore requi B9) (MLR .) e (C2)	red) A 1, 2
Depth (ir Permarks: YDROLO Vetland Hyde Surface High Wa Saturatic Water M Sedimer Drift Dep	drology Indicators: cators (minimum of or Water (A1) tter Table (A2) on (A3) arks (B1) at Deposits (B2)	ne is requi	Water-Stai MLRA Salt Crust Aquatic Inv Hydrogen S	ned Lea 1, 2, 4A, (B11) vertebrat Sulfide (and 4B) tes (B13) Odor (C1) eres on L) _iving R	t	Secondary Ir Water-S 4A, a Drainage Dry-Seas Saturatic Geomory	ndicators (2 or relations) ained Leaves (nd 4B) be Patterns (B10 be on Water Table on Visible on Ae ohic Position (D	nore requi B9) (MLR) e (C2) erial Image	red) A 1, 2
Primary Indices Water M Sedimer Drift Dep Algal Ma	drology Indicators: cators (minimum of or Water (A1) ter Table (A2) on (A3) arks (B1) at Deposits (B2) cosits (B3) at or Crust (B4)	ne is requi	Water-Stai MLRA Salt Crust Aquatic Inv Hydrogen 3 Oxidized R Presence of	ned Lea 1, 2, 4A, (B11) vertebrat Sulfide C thizosphor	tes (B13) Odor (C1) eres on L) _iving R C4)	t poots (C3)	Secondary Ir Water-S 4A, a Drainage Dry-Sea: Saturatio Geomory Shallow	adicators (2 or radicators (2 or radicators (2 or radicators) Patterns (B10 on Water Table on Visible on Aecohic Position (D3)	nore requi B9) (MLR) e (C2) erial Image	red) A 1, 2
Primary Indices Saturation Water M Sedimer Drift Dep Algal Ma Iron Dep	drology Indicators: cators (minimum of or Water (A1) tter Table (A2) on (A3) arks (B1) at Deposits (B2) posits (B3) at or Crust (B4) osits (B5)	ne is requi	Water-Stai MLRA Salt Crust Aquatic Inv Hydrogen Oxidized R Presence of Recent Iro	ned Lea 1, 2, 4A, (B11) vertebrat Sulfide C thizosphof Reduc	tes (B13) Odor (C1) eres on L ced Iron () Living R C4) Iled Soil	t coots (C3)	Secondary Ir Water-S 4A, a Drainage Dry-Seas Saturatic Geomory Shallow FAC-Net	adicators (2 or radicators (2 or radicators) and 4B) be Patterns (B10 be on Water Table on Visible on Ae behic Position (D Aquitard (D3)	more requi B9) (MLR .) e (C2) erial Image (2)	red) A 1, 2
Primary Indices Saturation Water M Sedimer Drift Dep Algal Ma Iron Dep Surface	drology Indicators: cators (minimum of or Water (A1) ter Table (A2) on (A3) arks (B1) at Deposits (B2) posits (B3) at or Crust (B4) osits (B5) Soil Cracks (B6)		Water-Stai MLRA Salt Crust Aquatic Inv Hydrogen S Oxidized R Presence of Recent Iron Stunted or	ned Lea 1, 2, 4A, (B11) vertebrate Sulfide Control Chizosphof Reduce n Reduce	tes (B13) Odor (C1) eres on Leed Iron (tion in Ti) Living R C4) Iled Soil	t coots (C3)	Secondary Ir Water-S 4A, a Drainage Dry-Seas Saturatic Geomory Shallow FAC-Net Raised A	adicators (2 or relations) adicators (2 or relations) and 4B) and 4B) and 4B) and 4B and 4B and 4B and 5B and 5B and 6B and 6B and 7B a	nore requi B9) (MLR.) e (C2) erial Image (2)	red) A 1, 2
Primary India Surface High Water M Sedimer Drift Dep Algal Ma Iron Dep Surface Inundation	drology Indicators: cators (minimum of or Water (A1) ter Table (A2) on (A3) arks (B1) at Deposits (B2) cosits (B3) at or Crust (B4) osits (B5) Soil Cracks (B6) on Visible on Aerial In	magery (B.	Water-Stai MLRA Salt Crust Aquatic Inv Hydrogen in the control of the control	ned Lea 1, 2, 4A, (B11) vertebrate Sulfide Control Chizosphof Reduce n Reduce	tes (B13) Odor (C1) eres on Leed Iron (tion in Ti) Living R C4) Iled Soil	t coots (C3)	Secondary Ir Water-S 4A, a Drainage Dry-Seas Saturatic Geomory Shallow FAC-Net Raised A	adicators (2 or radicators (2 or radicators) and 4B) be Patterns (B10 be on Water Table on Visible on Ae behic Position (D Aquitard (D3)	nore requi B9) (MLR.) e (C2) erial Image (2)	red) A 1, 2
Primary Indices Surface High Was Saturatice Water M Sedimer Drift Dep Algal Ma Iron Dep Surface Inundatice Sparsely	drology Indicators: cators (minimum of or Water (A1) ter Table (A2) on (A3) arks (B1) at Deposits (B2) cosits (B3) at or Crust (B4) osits (B5) Soil Cracks (B6) on Visible on Aerial In	magery (B.	Water-Stai MLRA Salt Crust Aquatic Inv Hydrogen in the control of the control	ned Lea 1, 2, 4A, (B11) vertebrate Sulfide Control Chizosphof Reduce n Reduce	tes (B13) Odor (C1) eres on Leed Iron (tion in Ti) Living R C4) Iled Soil	t coots (C3)	Secondary Ir Water-S 4A, a Drainage Dry-Seas Saturatic Geomory Shallow FAC-Net Raised A	adicators (2 or relations) adicators (2 or relations) and 4B) and 4B) and 4B) and 4B and 4B and 4B and 5B and 5B and 6B and 6B and 7B a	nore requi B9) (MLR.) e (C2) erial Image (2)	red) A 1, 2
Primary Indices Saturation Water M Sedimer Drift Dep Algal Ma Iron Dep Surface Inundation Sparsely Field Observiole	drology Indicators: cators (minimum of or Water (A1) ter Table (A2) on (A3) arks (B1) at Deposits (B2) osits (B3) at or Crust (B4) osits (B5) Soil Cracks (B6) on Visible on Aerial In r Vegetated Concave	nagery (B ⁷ Surface (I	Water-Stai MLRA Salt Crust Aquatic Inv Hydrogen 3 Oxidized R Presence of Recent Iron Stunted or Other (Exp	ned Lea 1, 2, 4A, (B11) vertebrat Sulfide C thizosph of Reduc n Reduc Stresse lain in R	and 4B) des (B13) Ddor (C1) eres on L ced Iron (tion in Ti d Plants demarks)) Living R C4) Iled Soil	t coots (C3)	Secondary Ir Water-S 4A, a Drainage Dry-Seas Saturatic Geomory Shallow FAC-Net Raised A	adicators (2 or relations) adicators (2 or relations) and 4B) and 4B) and 4B) and 4B and 4B and 4B and 5B and 5B and 6B and 6B and 7B a	nore requi B9) (MLR.) e (C2) erial Image (2)	red) A 1, 2
Primary India Surface High Water M Sedimer Drift Dep Algal Ma Iron Dep Surface Inundatio Sparsely Field Obser Surface Water Water M	drology Indicators: cators (minimum of or Water (A1) ter Table (A2) on (A3) arks (B1) at Deposits (B2) osits (B3) at or Crust (B4) osits (B5) Soil Cracks (B6) on Visible on Aerial In vegetated Concave vations: er Present?	magery (Bī Surface (B	Water-Stai MLRA Salt Crust Aquatic Inv Hydrogen 3 Oxidized R Presence of Recent Iron Stunted or Other (Exp	ned Lea 1, 2, 4A, (B11) vertebrat Sulfide (thizosph of Reduc n Reduc Stresse lain in R	and 4B) tes (B13) Ddor (C1) eres on Led Iron (tition in Ti d Plants temarks)) Living R C4) Iled Soil	t coots (C3)	Secondary Ir Water-S 4A, a Drainage Dry-Seas Saturatic Geomory Shallow FAC-Net Raised A	adicators (2 or relations) adicators (2 or relations) and 4B) and 4B) and 4B) and 4B and 4B and 4B and 5B and 5B and 6B and 6B and 7B a	nore requi B9) (MLR.) e (C2) erial Image (2)	red) A 1, 2
Primary India Surface High Water M Sedimer Drift Dep Algal Ma Iron Dep Surface Inundatio Sparsely Field Observ Vater Table	drology Indicators: cators (minimum of or Water (A1) ter Table (A2) on (A3) arks (B1) at Deposits (B2) cosits (B3) at or Crust (B4) cosits (B5) Soil Cracks (B6) on Visible on Aerial In vegetated Concave vations: er Present? Yes	magery (B: Surface (B ss	Water-Stai MLRA Salt Crust Aquatic Inv Hydrogen 3 Oxidized R Presence of Recent Iron Stunted or Other (Exp No No	ned Lea 1, 2, 4A, (B11) vertebrat Sulfide (Chizosphof Reduc n Reduc Stresse Ilain in R	and 4B) tes (B13) Ddor (C1) eres on Led Iron (tition in Ti d Plants temarks) nches):nches):) Living R C4) Iled Soil	toots (C3) s (C6) RR A)	Secondary Ir Water-S: 4A, a Drainage Dry-Sea: Saturatic Geomory Shallow FAC-Net Raised A Frost-He	adicators (2 or relations) (2 or relations) (2 or relations) (2 or relations) (3 or relations) (4 or relations) (5 or relations) (5 or relations) (5 or relations) (5 or relations) (6 or relations) (7 or relatio	more requi B9) (MLR.) e (C2) erial Image (22) S) (LRR A) s (D7)	red) A 1, 2 ery (C9)
Depth (ir Remarks: YDROLO Vetland Hyd Surface High Wa Saturatic Water M Sedimer Drift Dep Algal Ma Iron Dep Surface Inundatic Sparsely Field Obser Surface Water Table Saturation Price Saturation Price Semarks:	drology Indicators: cators (minimum of or Water (A1) ter Table (A2) on (A3) arks (B1) at Deposits (B2) oosits (B3) at or Crust (B4) oosits (B5) Soil Cracks (B6) on Visible on Aerial In vegetated Concave vations: er Present? Present? Yes resent? Yes	magery (B: Surface (B ss	Water-Stai MLRA Salt Crust Aquatic Inv Hydrogen 3 Oxidized R Presence of Recent Iron Stunted or Other (Exp No No	ned Lea 1, 2, 4A, (B11) vertebrat Sulfide (thizosph of Reduc n Reduc Stresse lain in R	and 4B) tes (B13) Ddor (C1) eres on Led Iron (tition in Ti d Plants temarks) nches):nches):) Living R C4) Iled Soil	toots (C3) s (C6) RR A)	Secondary Ir Water-S 4A, a Drainage Dry-Seas Saturatic Geomory Shallow FAC-Net Raised A	adicators (2 or relations) (2 or relations) (2 or relations) (2 or relations) (3 or relations) (4 or relations) (5 or relations) (5 or relations) (5 or relations) (5 or relations) (6 or relations) (7 or relatio	more requi B9) (MLR.) e (C2) erial Image (22) S) (LRR A) s (D7)	red) A 1, 2 ery (C9
Pepth (in Remarks: YDROLO Vetland Hyden Primary Indice Surface High Water Mager Mater Mater Mater Mater Mater Surface Inundation Sparsely Field Observice Surface Water Vater Table Saturation Princludes caparice was surface water Mater M	drology Indicators: cators (minimum of or Water (A1) ter Table (A2) on (A3) arks (B1) at Deposits (B2) cosits (B3) at or Crust (B4) cosits (B5) Soil Cracks (B6) on Visible on Aerial In vegetated Concave vations: er Present? Yes	magery (B: Surface (B s s	Water-Stai MLRA Salt Crust Aquatic Inv Hydrogen : Oxidized R Presence of Recent Iron Stunted or Other (Exp No No No No	ned Lea 1, 2, 4A, (B11) vertebrat Sulfide C thizosph of Reduc n Reduc Stresse lain in R Depth (i Depth (i	tes (B13) Ddor (C1) eres on Led Iron (ction in Ti d Plants demarks) nches): _ nches): _ nches): _) Living R C4) Iled Soil (D1) (LI	t coots (C3) s (C6) RR A)	Secondary Ir Water-S 4A, a Drainage Dry-Sea: Saturatio Geomory Shallow FAC-Net Raised A Frost-He	adicators (2 or relations) (2 or relations) (2 or relations) (2 or relations) (3 or relations) (4 or relations) (5 or relations) (5 or relations) (5 or relations) (5 or relations) (6 or relations) (7 or relatio	more requi B9) (MLR.) e (C2) erial Image (22) S) (LRR A) s (D7)	red) A 1, 2
Depth (ir Remarks: YDROLO Vetland Hydrimary Indice Surface High Water M Sedimer Drift Dep Algal Ma Iron Dep Surface Inundation Sparsely Sield Observicurface Water Table Saturation Princludes cap	drology Indicators: cators (minimum of or Water (A1) ter Table (A2) on (A3) arks (B1) at Deposits (B2) oosits (B3) at or Crust (B4) oosits (B5) Soil Cracks (B6) on Visible on Aerial In Vegetated Concave vations: er Present? Yes Present? Yes eresent? Yes oillary fringe)	magery (B: Surface (B s s	Water-Stai MLRA Salt Crust Aquatic Inv Hydrogen : Oxidized R Presence of Recent Iron Stunted or Other (Exp No No No No	ned Lea 1, 2, 4A, (B11) vertebrat Sulfide C thizosph of Reduc n Reduc Stresse lain in R Depth (i Depth (i	des (B13) Ddor (C1) eres on Led Iron (ction in Ti d Plants demarks) nches): _ nches): _ nches): _) Living R C4) Iled Soil (D1) (LI	t coots (C3) s (C6) RR A)	Secondary Ir Water-S 4A, a Drainage Dry-Sea: Saturatio Geomory Shallow FAC-Net Raised A Frost-He	adicators (2 or relations) (2 or relations) (2 or relations) (2 or relations) (3 or relations) (4 or relations) (5 or relations) (5 or relations) (5 or relations) (5 or relations) (6 or relations) (7 or relatio	more requi B9) (MLR.) e (C2) erial Image (22) S) (LRR A) s (D7)	red) A 1, 2 ery (C9
Depth (ir Remarks: YDROLO Vetland Hydrimary Indice Surface High Water M Sedimer Drift Dep Algal Ma Iron Dep Surface Inundation Sparsely Sield Observicurface Water Table Saturation Princludes cap	drology Indicators: cators (minimum of or Water (A1) ter Table (A2) on (A3) arks (B1) at Deposits (B2) oosits (B3) at or Crust (B4) oosits (B5) Soil Cracks (B6) on Visible on Aerial In Vegetated Concave vations: er Present? Yes Present? Yes eresent? Yes oillary fringe)	magery (B: Surface (B s s	Water-Stai MLRA Salt Crust Aquatic Inv Hydrogen : Oxidized R Presence of Recent Iron Stunted or Other (Exp No No No No	ned Lea 1, 2, 4A, (B11) vertebrat Sulfide C thizosph of Reduc n Reduc Stresse lain in R Depth (i Depth (i	des (B13) Ddor (C1) eres on Led Iron (ction in Ti d Plants demarks) nches): _ nches): _ nches): _) Living R C4) Iled Soil (D1) (LI	t coots (C3) s (C6) RR A)	Secondary Ir Water-S 4A, a Drainage Dry-Sea: Saturatio Geomory Shallow FAC-Net Raised A Frost-He	adicators (2 or relations) (2 or relations) (2 or relations) (2 or relations) (3 or relations) (4 or relations) (5 or relations) (5 or relations) (5 or relations) (5 or relations) (6 or relations) (7 or relatio	more requi B9) (MLR.) e (C2) erial Image (22) S) (LRR A) s (D7)	red) A 1, 2 ery (C9

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Project/Site: Post Creek Hill - US 93		City/Cour	nty: Lake		Sampling Date:	8-7-2024
Applicant/Owner: MDT				State: MT	Sampling Point:	UDP 5-24
Investigator(s): B.Cline, F.Doty		Section, T	ownship, Ra	inge: S24 T19N R20W		
Landform (hillside, terrace, etc.): field		 Local relief (co	oncave, conv	/ex, none): convex	Slo	pe (%): 0-5
Subregion (LRR/MLRA): LRR E, MLRA 44A	Lat:	47.38894	.8 1	 Long: -114.096533		NAD93
Soil Map Unit Name: Colake silt loam, drained, 0 to 1 p					ication: none	
Are climatic / hydrologic conditions on the site typical for	or this time o	f year?	Yes X	No (If no, exp	olain in Remarks.)	
Are Vegetation , Soil , or Hydrology		-				0
Are Vegetation , Soil , or Hydrology r						
SUMMARY OF FINDINGS – Attach site ma						tures, etc.
Hydrophytic Vegetation Present? Yes No	. X	Is the	Sampled A	rea		
	X		n a Wetland		No X	
	X				<u></u>	
Remarks:						
VEGETATION – Use scientific names of p	lants.					
<u>Tree Stratum</u> (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test wor	kshoot:	
1. (Flot Size)	70 COVE	Species:	Status			
2.				Number of Dominant S Are OBL, FACW, or F	•	1 (A)
3.				Total Number of Domi	-	`
4.				Across All Strata:		2 (B)
		=Total Cover		Percent of Dominant S	Species That	
Sapling/Shrub Stratum (Plot size: 30')			Are OBL, FACW, or F	AC: <u>5</u> 6	0.0% (A/B)
1						
2				Prevalence Index wo		
3				Total % Cover of		
5.				OBL species C	x 1 = x 2 =	0
J		=Total Cover		FAC species 5		165
Herb Stratum (Plot size: 30')		rotal corol		· —	x 4 =	0
1. Thinopyrum intermedium	30	Yes	UPL	UPL species 3	0 x 5 =	150
2. Poa pratensis	30	Yes	FAC	Column Totals: 8	5 (A)	315 (B)
3. Calystegia sepium	10	No	FAC	Prevalence Index	= B/A = 3.7°	1
4. Cirsium arvense	5	No	FAC			
5. Solanum dulcamara	5	No	FAC	Hydrophytic Vegetati		
6. <u>Dipsacus fullonum</u>	5	No	FAC	l 	Hydrophytic Veget	ation
7				2 - Dominance Te		
8. 9.				3 - Prevalence Inc	ıex is ≤3.∪ Adaptations¹(Provi	do cupportina
40				· · ·	s or on a separate	
11.				5 - Wetland Non-\	/ascular Plants ¹	•
	85	=Total Cover			ophytic Vegetation ¹	(Explain)
Woody Vine Stratum (Plot size: 30'				¹ Indicators of hydric so		` ' '
1.				be present, unless dis		
2.				Hydrophytic		
		=Total Cover		Vegetation		
% Bare Ground in Herb Stratum				Present? Yes	No X	_
Remarks:						

SOIL Sampling Point: UDP 5-24

	ription: (Describe Matrix	to the depth		ıment tl x Featur		tor or c	onfirm the	absence of in	dicators.)	
Depth (inches)	Color (moist)	<u></u> %	Color (moist)	x Featur %	Type ¹	Loc ²	Toy	ture	Rema	orko
(inches)	. , ,		Color (moist)	70	Турс					
0-4	10YR 2/2	100						/Clayey	roots p	resent
4-10	10YR 2/2	100						/Clayey		
10-16	10YR 3/2	100					Loamy	/Clayey		
,										
	•									
¹ Type: C=Co	oncentration, D=Dep	letion RM=R	Reduced Matrix C	S=Cove	ered or Co	nated Sa	and Grains	² I ocation	n: PL=Pore Linin	g M=Matrix
•	Indicators: (Applica					Jaiou O	ana Oramo.		or Problematic H	
Histosol			Sandy Gle						ck (A10) (LRR A	-
	pipedon (A2)		Sandy Red						ganese Masses	
Black His			Stripped M						ent Material (F21)	
	n Sulfide (A4)		Loamy Mu	cky Min	, eral (F1) (except	MLRA 1)		allow Dark Surfac	•
	ck (A9) (LRR D, G)		Loamy Gle	-			·		xplain in Remark	
Depleted	Below Dark Surfac	e (A11)	Depleted N	∕latrix (F	3)					
Thick Da	ark Surface (A12)		Redox Dar	k Surfac	ce (F6)			³ Indicators of	hydrophytic vege	etation and
Sandy M	lucky Mineral (S1)		Depleted D	ark Sur	face (F7)			wetland h	nydrology must b	e present,
2.5 cm N	lucky Peat or Peat (S2) (LRR G)	Redox Dep	ression	s (F8)			unless di	sturbed or proble	ematic.
Restrictive L	_ayer (if observed):									
Туре:			_							
Depth (ir	nches):		_				Hydric S	oil Present?	Yes_	No X
Remarks:										
L HYDROLO	CV									
_	drology Indicators:							0	-II: t (O	
-	cators (minimum of o Water (A1)	one is require	<u>ष; cneck all that a</u> Water-Stai		woo (PO)	/ovoon	•		dicators (2 or mo	
	iter Table (A2)				nves (b9) , and 4B)		·		ained Leaves (B nd 4B)	9) (WILKA 1, 2
Saturatio	` '		Salt Crust		, anu 46)			•	Patterns (B10)	
	arks (B1)		Aquatic Inv		tes (B13)				son Water Table	(C2)
	nt Deposits (B2)		Hydrogen		, ,				n Visible on Aeri	` ,
	oosits (B3)		Oxidized R		` '		oots (C3)		phic Position (D2)	3 , (,
	it or Crust (B4)		Presence of			-	()		Aquitard (D3)	,
	osits (B5)		Recent Iron				s (C6)		utral Test (D5)	
Surface	Soil Cracks (B6)		Stunted or	Stresse	d Plants	(D1) (LF	RR A)		ant Mounds (D6)	(LRR A)
Inundatio	on Visible on Aerial I	magery (B7)	Other (Exp	lain in F	Remarks)		•	Frost-Hea	ave Hummocks ((D7)
Sparsely	Vegetated Concave	e Surface (B8	<u> </u>							
Field Observ	vations:									
Surface Wate	er Present? Ye	es	No	Depth (i	inches):					
Water Table	Present? Ye	es		Depth (i	nches):					
Saturation Pr	resent? Ye	es	No	Depth (i	inches):		Wetlan	d Hydrology P	resent? Yes_	No X
(includes cap	oillary fringe)		·							
Describe Red	corded Data (stream	gauge, mon	itoring well, aerial	photos	, previous	inspec	tions), if ava	ailable:		
_										
Remarks:										

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Project/Site: Post Creek Hill - US 93		City/Cou	nty: Lake		Sampling Date:	8-7-2024
Applicant/Owner: MDT				State: MT	Sampling Point:	UDP 6-24
Investigator(s): B.Cline, F.Doty		Section, T	ownship, Ra	nge: S24 T19N R20W		
Landform (hillside, terrace, etc.): field		 Local relief (co	oncave, conv	vex, none): convex	Slo	pe (%): 0-5
Subregion (LRR/MLRA): LRR E, MLRA 44A	Lat:	47.39666	64 l	_ong: -114.096557	 Datum:	NAD93
Soil Map Unit Name: Lamoose loam, 0 to 2 percent	slopes			NWI classif	ication: none	
Are climatic / hydrologic conditions on the site typica	I for this time o	f year?	Yes X	No (If no, exp	olain in Remarks.)	
Are Vegetation, Soil, or Hydrology		•		·		lo
Are Vegetation, Soil, or Hydrology					· 	
SUMMARY OF FINDINGS – Attach site r						tures, etc.
Hydrophytic Vegetation Present? Yes	No X	Is the	Sampled A	rea		
	No X		n a Wetland		No X	
Wetland Hydrology Present? Yes						
Remarks:	i nlauta					
VEGETATION – Use scientific names of	Absolute	Dominant	Indicator			
Tree Stratum (Plot size: 30')	% Cover	Species?	Status	Dominance Test wor	ksheet:	
1				Number of Dominant S	Species That	
2				Are OBL, FACW, or F	AC:	2 (A)
3. 4.				Total Number of Domi Across All Strata:	nant Species	4 (B)
•		=Total Cover		Percent of Dominant S	Species That	
Sapling/Shrub Stratum (Plot size: 30'	_)			Are OBL, FACW, or F	AC: <u>5</u>	60.0% (A/B
Symphoricarpos albus	5	Yes	FACU			
2.	_			Prevalence Index wo		
3. 4.				Total % Cover of OBL species	Multipl x 1 =	<u>y by:</u> 0
5.				· -	x 1 =	0
o		=Total Cover		FAC species 6		180
Herb Stratum (Plot size: 30')				FACU species 5		20
1. Bromus inermis	30	Yes	UPL	UPL species 4	0 x 5 =	200
2. Dipsacus fullonum	25	Yes	FAC	Column Totals: 10	05 (A)	400 (B)
3. Poa pratensis	20	Yes	FAC	Prevalence Index	= B/A = 3.8	1
4. Cirsium arvense	10	No	FAC			
5. Centaurea stoebe	10	No	UPL	Hydrophytic Vegetati		
6. Rumex crispus	5	No	FAC	·	Hydrophytic Vege	tation
7				2 - Dominance Te		
8.				3 - Prevalence Inc		
9.					Adaptations ¹ (Prov s or on a separate	
10				5 - Wetland Non-\		· sneet)
11	100	=Total Cover			phytic Vegetation	¹ (Evolain)
Woody Vine Stratum (Plot size: 30')	TOTAL COVE				` ' '
1.	_′ 			¹ Indicators of hydric so be present, unless dis		
2				Hydrophytic		
% Bare Ground in Herb Stratum		=Total Cover		Vegetation Present? Yes	NoX	<u> </u>
Remarks:						

SOIL Sampling Point: UDP 6-24

Profile Desc Depth	cription: (Describe Matrix	to the depth		ument tl x Featur		tor or c	onfirm the	absence of in	dicators.)	
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Tex	ture	Rema	rks
0-5	10YR 2/2	100	Color (molet)		-71			/Clayey	roots pre	
-									100ts pre	356111
5-18	10YR 2/2	100					Loamy	/Clayey		
	-									
	_				' <u></u> '		'	_		
¹ Type: C=Co	oncentration, D=Dep	oletion, RM=F	Reduced Matrix, C	S=Cove	ered or Co	oated S	and Grains.	² Location	n: PL=Pore Lining	, M=Matrix.
•	Indicators: (Application								or Problematic Hy	
Histosol			Sandy Gle						ck (A10) (LRR A ,	
Histic Ep	oipedon (A2)		Sandy Red						ganese Masses (I	
Black Hi			Stripped M					Red Pare	ent Material (F21)	, , ,
	n Sulfide (A4)		Loamy Mu	cky Min	eral (F1) (except	MLRA 1)		allow Dark Surface	(F22)
1 cm Mu	ıck (A9) (LRR D, G)		Loamy Gle	yed Ma	trix (F2)			Other (Ex	xplain in Remarks)
Depleted	d Below Dark Surfac	e (A11)	Depleted N	/latrix (F	3)					
Thick Da	ark Surface (A12)		Redox Dar	k Surfac	ce (F6)			³ Indicators of	hydrophytic vege	tation and
Sandy M	lucky Mineral (S1)		Depleted D)ark Sur	face (F7)			wetland h	nydrology must be	present,
2.5 cm N	Mucky Peat or Peat ((S2) (LRR G)	Redox Dep	ression	s (F8)			unless di	sturbed or probler	natic.
Restrictive I	Layer (if observed):	:								
Type:										
Depth (ir	nches):		<u>_</u>				Hydric S	oil Present?	Yes_	No X
Remarks:						•				
111/12/2010										
HYDROLO										
_	drology Indicators:									
-	cators (minimum of o	one is require							idicators (2 or mor	
-	Water (A1)		Water-Stai		, ,		t		ained Leaves (B9) (MLRA 1, 2
	iter Table (A2)				, and 4B)			•	nd 4B)	
Saturation	, ,		Salt Crust						Patterns (B10)	
	larks (B1)		Aquatic In\		, ,				son Water Table (,
	nt Deposits (B2)		— Hydrogen		` '		. (00)		n Visible on Aeria	I Imagery (C9)
	posits (B3)		Oxidized R			-	oots (C3)		ohic Position (D2)	
	at or Crust (B4)		Presence of				o (C6)		Aquitard (D3)	
	oosits (B5) Soil Cracks (B6)		Recent Iron				, ,		utral Test (D5) ant Mounds (D6) (I	DD A)
	on Visible on Aerial	Imagony (B7)	Stunted or Other (Exp			(D1) (L I	KK A)		ave Hummocks ([•
	Vegetated Concave			iaiii iii i	(emaiks)				ave Hullillocks (L	,,,
Field Obser		odilace (be	<u>')</u>				1			
Surface Wat		26	No	Denth (inchee).					
Water Table		es es			inches): _ inches):					
Saturation P		es			inches): _		Wotlan	d Hydrology B	resent? Yes	No_X
(includes car				Deptii (i	_		- Wollan	a riyarology r		NO_X
	corded Data (stream	n gauge, mon	itoring well. aeria	photos	. previous	inspec	tions). if av	ailable:		
	,	3 3 7	3 ,		, 1		,,			
Remarks:										

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Project/Site: Post Creek Hill - US 93	City/County: Lake		Sampling Date: 8-7-2024
Applicant/Owner: MDT		State: MT S	Sampling Point: UDP 7-24
Investigator(s): B.Cline, F.Doty	Section, Township, R	Range: S24 T19N R20W	
Landform (hillside, terrace, etc.): field	Local relief (concave, cor	nvex, none): convex	Slope (%): 0-5
Subregion (LRR/MLRA): LRR E, MLRA 44A Lat	<u>47</u> .396571	Long: -114.095747	Datum: NAD93
Soil Map Unit Name: Lamoose loam, 0 to 2 percent slopes		NWI classifica	ation: PEM1C
Are climatic / hydrologic conditions on the site typical for this	ime of year? Yes X		in in Remarks.)
Are Vegetation , Soil , or Hydrology significant	antly disturbed? Are "Normal	Circumstances" present?	Yes X No
Are Vegetation , Soil , or Hydrology natura			
SUMMARY OF FINDINGS – Attach site map sh			
Hydrophytic Vegetation Present? Yes No X	Is the Sampled	Area	
Hydric Soil Present? Yes No X			No X
Wetland Hydrology Present? Yes No X	_		
Remarks:	•		
VEGETATION – Use scientific names of plants			
	olute Dominant Indicator	T	
	over Species? Status	Dominance Test works	
1		Number of Dominant Spe Are OBL, FACW, or FAC	
3.		Total Number of Domina	 '' ' '
4.		Across All Strata:	2 (B)
	=Total Cover	Percent of Dominant Spe	
Sapling/Shrub Stratum (Plot size: 30')		Are OBL, FACW, or FAC	
1			
2		Prevalence Index works	
3		Total % Cover of:	Multiply by:
4		OBL species 0 FACW species 0	x 1 = 0 $x 2 = 0$
o	=Total Cover	FAC species 30	x 3 = 90
—— Herb Stratum (Plot size: 30')		FACU species 0	x 4 = 0
·	0 Yes UPL	UPL species 70	x 5 = 350
	0 Yes FAC	Column Totals: 100	(A) 440 (B)
3.		Prevalence Index = E	B/A = 4.40
4			
5		Hydrophytic Vegetation	
6			/drophytic Vegetation
7. 8.		2 - Dominance Test 3 - Prevalence Index	
9.			aptations ¹ (Provide supporting
10.		· · ·	or on a separate sheet)
11.		5 - Wetland Non-Vas	scular Plants ¹
	00 =Total Cover	Problematic Hydroph	nytic Vegetation ¹ (Explain)
Woody Vine Stratum (Plot size: 30')	•	Indicators of hydric soil	and wetland hydrology must
1		be present, unless distur	bed or problematic.
2		Hydrophytic	
0/ Para Craund in Harb Stratura	=Total Cover	Vegetation	No. V
% Bare Ground in Herb Stratum		Present? Yes	No_X_
Remarks:			

SOIL Sampling Point: UDP 7-24

Profile Desc Depth	cription: (Describe Matrix	to the depth		ıment t i x Featuı		tor or c	confirm the	absence of in	dicators.)	
(inches)	Color (moist)	<u></u> %	Color (moist)	% «	Type ¹	Loc ²	Tex	ture	Remarks	3
0-5	10YR 2/1	100	Goldi (Molot)		- 7 -			/Clayey	roots pres	
-	-								100ts presi	511L
5-18	10YR 2/1	100					Loamy	/Clayey		
			_				·			
¹ Type: C=Co	oncentration, D=De	oletion, RM=F	Reduced Matrix, C	S=Cove	ered or Co	oated S	and Grains.	² Location	: PL=Pore Lining, N	Л=Matrix.
	Indicators: (Applic								r Problematic Hyd	
Histosol			Sandy Gle						ck (A10) (LRR A, E)	
Histic Ep	pipedon (A2)		Sandy Red						ganese Masses (F1	
Black Hi	stic (A3)		Stripped M	atrix (S	6)			Red Pare	nt Material (F21)	
Hydroge	n Sulfide (A4)		Loamy Mu	cky Min	eral (F1) (except	MLRA 1)	Very Sha	llow Dark Surface (F	-22)
1 cm Mu	ick (A9) (LRR D, G)		Loamy Gle	yed Ma	trix (F2)			Other (Ex	plain in Remarks)	
Depleted	d Below Dark Surfac	e (A11)	Depleted N	/latrix (F	3)					
Thick Da	ark Surface (A12)		Redox Dar	k Surfa	ce (F6)			³ Indicators of	hydrophytic vegetat	ion and
Sandy M	lucky Mineral (S1)		Depleted D	ark Sur	rface (F7)			wetland h	ydrology must be p	resent,
2.5 cm N	lucky Peat or Peat	(S2) (LRR G)	Redox Dep	ression	ıs (F8)			unless dis	sturbed or problema	tic.
Restrictive I	Layer (if observed)	:								
Type:			_							
Depth (ir	nches):		_				Hydric S	oil Present?	Yes	No X
Remarks:										
HYDROLO	icv									
_	drology Indicators							0		
	cators (minimum of	one is require			- (PO)	/awaan			dicators (2 or more	
	Water (A1) iter Table (A2)		Water-Stai		, ,		ι	4A, an	ained Leaves (B9) (WILRA 1, 2
Saturatio	, ,		Salt Crust		, and 4B)			•	Patterns (B10)	
-	arks (B1)		Aquatic Inv		tes (B13)				on Water Table (C2)
	nt Deposits (B2)		Hydrogen		` '				n Visible on Aerial Ir	•
	posits (B3)		Oxidized R		` '		oots (C3)		hic Position (D2)	nagory (GG)
	it or Crust (B4)		Presence of			-	(00)		Aquitard (D3)	
	osits (B5)		Recent Iro				ls (C6)		tral Test (D5)	
	Soil Cracks (B6)		Stunted or				` ,		nt Mounds (D6) (LR	R A)
	on Visible on Aerial	Imagery (B7)				`	,		ave Hummocks (D7)	•
	Vegetated Concav				·					
Field Obser	vations:									
Surface Wat	er Present? Y	es	No	Depth (inches):					
Water Table	Present? Y	es			inches):					
Saturation P	resent? Y	es		Depth (inches):		Wetlan	d Hydrology P	resent? Yes	No_X
(includes cap	oillary fringe)				_					
Describe Re	corded Data (strean	n gauge, mon	itoring well, aeria	photos	, previous	inspec	tions), if av	ailable:		
Remarks:										

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Project/Site: Post Creek Hill - US 93		City/Cour	nty: Lake		Sampling Date	e: 8-7-2024
Applicant/Owner: MDT			•	State: MT	Sampling Poir	nt: UDP 8-24
Investigator(s): B.Cline, F.Doty		Section, T	ownship, Ra	nge: S24 T19N R20\	V	
Landform (hillside, terrace, etc.): field		Local relief (co	oncave, conv	ex, none): convex	S	Slope (%): 0-5
Subregion (LRR/MLRA): LRR E, MLRA 44A	Lat:	47.39859	9 L	ong: -114.096647	Datun	n: NAD93
Soil Map Unit Name: Bolack silt loam, 0 to 2 percent					sification: PEM1C	
Are climatic / hydrologic conditions on the site typica		f vear?	Yes X		-	
Are Vegetation, Soil, or Hydrology		-		 '	·	•
Are Vegetation, Soil, or Hydrology						
SUMMARY OF FINDINGS – Attach site i						atures etc
	-			<u> </u>		
	No X		Sampled A			
<u></u>	No X	withii	n a Wetland	? Yes	No_X_	
	No X					
Remarks:						
VEGETATION – Use scientific names of	Folonto					
VEGETATION - Use scientific flames of	Absolute	Dominant	Indicator			
<u>Tree Stratum</u> (Plot size: 30')	% Cover		Status	Dominance Test w	orksheet:	
1				Number of Dominar	it Species That	
2				Are OBL, FACW, or	FAC:	1 (A)
3				Total Number of Do	minant Species	
4				Across All Strata:	_	(B)
Operations/Objects Objects are Colleged to the College of College		=Total Cover		Percent of Dominan	•	50.00/ (A/D)
Sapling/Shrub Stratum (Plot size: 30'	_)			Are OBL, FACW, or	FAC:	50.0% (A/B)
1 2.				Prevalence Index v	vorksheet:	
2				Total % Cover		ply by:
4.		·		OBL species	0 x 1 =	0
5.				FACW species	0 x 2 =	0
		=Total Cover		FAC species	40 x 3 =	120
Herb Stratum (Plot size: 30')				FACU species	15 x 4 =	60
1. Poa pratensis	40	Yes	FAC	UPL species	45 x 5 =	225
2. Bromus inermis	30	Yes	UPL		100 (A)	405 (B)
3. Arctium minus	15	No No	UPL	Prevalence Index	< = B/A = <u>4</u>	.05
Cynoglossum officinale 5.	15	No	<u>FACU</u>	Hydrophytic Veget	ation Indicators:	
6					or Hydrophytic Veg	retation
7.				2 - Dominance		,otation
8.				3 - Prevalence I		
9.				4 - Morphologica	al Adaptations¹(Pro	ovide supporting
10				data in Rema	arks or on a separa	te sheet)
11				5 - Wetland Nor	n-Vascular Plants ¹	
	100	=Total Cover		Problematic Hy	drophytic Vegetatio	on¹ (Explain)
Woody Vine Stratum (Plot size: 30'	_)			¹ Indicators of hydric		
1				be present, unless of	isturbed or probler	natic.
2		-Total Cause		Hydrophytic		
% Bare Ground in Herb Stratum		=Total Cover		Vegetation Present? Ye	s No	X
				. 1030111: 16		
Remarks:						

SOIL Sampling Point: UDP 8-24

Profile Desc Depth	cription: (Describe Matrix	to the depth		ument t l x Featur		tor or c	onfirm the	absence of in	dicators.)	
(inches)	Color (moist)	%	Color (moist)	% «	Type ¹	Loc ²	Tex	ture	Rema	arks
0-4	10YR 2/2	100	Color (molet)		-71			/Clayey	roots pro	
	•								10015 pi	-sent
4-18	10YR 2/2	100					Loamy	/Clayey		
	-									
	•									
¹ Type: C=C	oncentration, D=Dep	letion RM=F	Peduced Matrix C	`S=Cov	ered or Co	nated S	and Grains	² l ocation	n: PL=Pore Lining	M=Matrix
	Indicators: (Application)					Jaleu O	and Oranis.		or Problematic H	
Histosol		abic to all Li	Sandy Gle						ck (A10) (LRR A ,	-
	oipedon (A2)		Sandy Red	-					ganese Masses (l	
	stic (A3)		Stripped M						ent Material (F21)	, ,
	n Sulfide (A4)		Loamy Mu		-	except	MLRA 1)		allow Dark Surface	
	ick (A9) (LRR D, G)		Loamy Gle	-		охоорс			xplain in Remarks	
	d Below Dark Surfac	e (A11)	Depleted N	-					, , , , , , , , , , , , , , , , , , ,	,
	ark Surface (A12)	- (,	Redox Dar		•			³ Indicators of	hydrophytic vege	tation and
	Mucky Mineral (S1)		Depleted D		` '				nydrology must be	
	Mucky Peat or Peat (S2) (LRR G)			, ,				sturbed or probler	
	Layer (if observed):	, , , ,			. ,				· · ·	
Type:										
Depth (ii	nches):		_				Hydric S	oil Present?	Yes	No X
Remarks:	· · · · · · · · · · · · · · · · · · ·					!			_	
HYDROLO	GY									
Wetland Hy	drology Indicators:									
Primary Indic	cators (minimum of o	one is require	d; check all that a	apply)				Secondary In	<u>ıdicators (2 or moı</u>	re required)
	Water (A1)		Water-Stai	ned Lea	aves (B9)	(excep	t	Water-St	ained Leaves (B9) (MLRA 1, 2
	ater Table (A2)				, and 4B)			•	nd 4B)	
Saturation	` ,		Salt Crust						Patterns (B10)	
	larks (B1)		Aquatic Inv		, ,				son Water Table (•
	nt Deposits (B2)		Hydrogen		` '				n Visible on Aeria	0, 1, ,
	posits (B3)		Oxidized R			-	oots (C3)		ohic Position (D2)	
	at or Crust (B4)		Presence of				(00)		Aquitard (D3)	
	oosits (B5)		Recent Iro				, ,		utral Test (D5)	
	Soil Cracks (B6)		Stunted or			(D1) (LI	RR A)		ant Mounds (D6) (I	•
	on Visible on Aerial			iain in F	Remarks)			Frost-He	ave Hummocks ([37)
	/ Vegetated Concave	e Surrace (Bo	•)							
Field Obser				5 " (
Surface Wat		es			inches): _					
Water Table		es			inches):		w			
Saturation P		es	No	Depth (inches):		Wetlan	a Hydrology P	resent? Yes_	No_X
(includes cap	corded Data (stream	aguag mon	itoring well gorio	Inhotoo	provious	inonoo	tions) if over	ailabla:		
Describe Re	corded Data (Stream	i gauge, mon	itoring well, aerial	priotos	, previous	inspec	uons), n av	aliable.		
Remarks:										
rtomanto.										
İ										

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Project/Site: Post Creek Hill - US 93	nty: Lake		Sampling Date	8-7-2024		
Applicant/Owner: MDT				State: MT	Sampling Poin	t: UDP 9-24
Investigator(s): B.Cline, F.Doty		Section, T	ownship, Raı	nge: S24 T19N R20W		
Landform (hillside, terrace, etc.): field		Local relief (co	oncave, conv	ex, none): convex	S	lope (%): 0-5
Subregion (LRR/MLRA): LRR E, MLRA 44A	Lat:	47.39291	2 L	ong: -114.096216	Datum	: NAD93
Soil Map Unit Name: Bolack silt loam, 0 to 2 percent	t slopes			NWI class	ification: PEM1C	
Are climatic / hydrologic conditions on the site typica	I for this time o	f year?	Yes X	No (If no, ex	plain in Remarks.)
Are Vegetation, Soil, or Hydrology	significantly					
Are Vegetation , Soil , or Hydrology						
SUMMARY OF FINDINGS – Attach site r						atures, etc.
Hydrophytic Vegetation Present? Yes	No X	Is the	Sampled A	rea		
	No X		n a Wetland		No X	
	No X					
Remarks:		•				
VEGETATION – Use scientific names of	plants.					
	Absolute	Dominant	Indicator			
Tree Stratum (Plot size: 30')	% Cover	Species?	Status	Dominance Test wo	rksheet:	
1.	_			Number of Dominant	•	4 (4)
2. 3.	_			Are OBL, FACW, or I		1 (A)
4.	_			Total Number of Dom Across All Strata:	inant Species	2 (B)
·· -		=Total Cover		Percent of Dominant	Species That	(=)
Sapling/Shrub Stratum (Plot size: 30')			Are OBL, FACW, or I	•	50.0% (A/B
1	_					
2				Prevalence Index w		
3.				Total % Cover o		oly by:
4					0 x1= 0 x2=	0
5		=Total Cover		· ·	0 x2= 40 x3=	120
Herb Stratum (Plot size: 30')		- rotal Gover			30 x 4 =	120
1. Poa pratensis	40	Yes	FAC		30 x 5 =	150
2. Thinopyrum intermedium	30	Yes	UPL		00 (A)	390 (B)
3. Taraxacum officinale	15	No	FACU	Prevalence Index	= B/A = 3.	90
4. Dactylis glomerata	15	No	FACU			
5				Hydrophytic Vegeta		
6					r Hydrophytic Veg	etation
7.				2 - Dominance T		
8.				3 - Prevalence In		
9. 10.					Adaptations ¹ (Pro ks or on a separat	
11.	_			5 - Wetland Non-		,
···	100	=Total Cover			rophytic Vegetatio	n ¹ (Explain)
Woody Vine Stratum (Plot size: 30')			¹ Indicators of hydric s		
1.	_ 			be present, unless di		
2.				Hydrophytic		
% Bare Ground in Herb Stratum		=Total Cover		Vegetation	No	<u>×_</u>
Remarks:						

SOIL Sampling Point: UDP 9-24

	ription: (Describe	to the depth				tor or c	confirm the	absence of indi	icators.)	
Depth	Matrix			x Featur		. 2	_			
(inches)	Color (moist)	<u> %</u>	Color (moist)	%	Type ¹	Loc ²		ture	Remarks	
0-4	10YR 2/2	100					Loamy	/Clayey	roots prese	nt
4-16	10YR 2/2	100					Loamy	/Clayey	compacted	d
1Type: C=Ce	ncentration, D=Dep	olotion PM-P	Poducod Matrix C		arod or Co	acted S	and Crains	² l coation:	PL=Pore Lining, M	-Motriy
	ndicators: (Applic					Jaleu S	anu Granis.		Problematic Hydri	
Histosol		able to all Er	Sandy Gle						: (A10) (LRR A, E)	C Solls .
	ipedon (A2)		Sandy Red						anese Masses (F12	(I RR D)
Black His			Stripped M						t Material (F21)	(LIKIC D)
	n Sulfide (A4)		Loamy Mu	`	,	except	MLRA 1)		ow Dark Surface (F2	22)
	ck (A9) (LRR D, G)		Loamy Gle			(oxee)pe	,		lain in Remarks)	/
	Below Dark Surfac		Depleted N	-					,	
	rk Surface (A12)	,	Redox Dar		•			³ Indicators of h	ydrophytic vegetatio	on and
Sandy M	ucky Mineral (S1)		Depleted [Dark Sur	face (F7)				drology must be pre	
2.5 cm M	lucky Peat or Peat	(S2) (LRR G)	Redox Dep	oression	s (F8)			C.		
Restrictive L	ayer (if observed)	:								
Type:										
Depth (inches):						Hydric S	oil Present?	Yes	No X	
Remarks:										<u> </u>
HYDROLO	GY									
Wetland Hyd	Irology Indicators	!								
	ators (minimum of	one is require							cators (2 or more re	
	Water (A1)		Water-Sta		, ,		t		ned Leaves (B9) (M	ILRA 1, 2
I —	ter Table (A2)				, and 4B)			4A, and	,	
Saturatio			Salt Crust		(5.40)				Patterns (B10)	
	arks (B1)		Aquatic In						n Water Table (C2)	(00)
	t Deposits (B2)		Hydrogen		` '		aata (C2)		Visible on Aerial Im	agery (C9)
	osits (B3) t or Crust (B4)		Oxidized F			-	0018 (C3)		ic Position (D2) quitard (D3)	
<u> </u>	osits (B5)		Recent Iro				ls (C6)		al Test (D5)	
	Soil Cracks (B6)		Stunted or				` '		t Mounds (D6) (LRF	R A)
	on Visible on Aerial	Imagery (B7)				(= : / (=:	,		e Hummocks (D7)	•••
	Vegetated Concav	,			,				(
Field Observ	vations:	•	•							
Surface Water		es	No	Depth (inches):					
Water Table		es			inches):					
Saturation Pr		es			inches):		Wetlan	d Hydrology Pre	esent? Yes	No X
(includes cap				. ,	· -			, ,,		
	corded Data (stream	n gauge, mon	itoring well, aeria	l photos	, previous	inspec	tions), if ava	ailable:		
Remarks:										

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Project/Site: Post Creek Hill - US 93		City/Cou	nty: Lake		Sampling Date:	8-7-2024
Applicant/Owner: MDT				State: MT	Sampling Point:	UDP 10-24
Investigator(s): B.Cline, F.Doty		Section, T	ownship, Ra	nge: S24 T19N R20W		
Landform (hillside, terrace, etc.): field		Local relief (co	oncave, conv	ex, none): convex	Slop	oe (%): <u>0-5</u>
Subregion (LRR/MLRA): LRR E, MLRA 44A	Lat:	47.39451	4 I	ong: -114.096303	 Datum:	NAD93
Soil Map Unit Name: Lamoose loam, 0 to 2 percer	nt slopes			NWI classi	fication: PEM1C	-
Are climatic / hydrologic conditions on the site typic	cal for this time o	f year?	Yes X	No (If no, exp	olain in Remarks.)	
Are Vegetation, Soil, or Hydrology	significantly					3
Are Vegetation, Soil, or Hydrology				plain any answers in Re		
SUMMARY OF FINDINGS – Attach site				-	-	tures, etc.
Hydrophytic Vegetation Present? Yes	No X	Is the	Sampled A	rea		
Hydric Soil Present? Yes	No X		n a Wetland		No X	
Wetland Hydrology Present? Yes	No X					
VEGETATION – Use scientific names o						
<u>Tree Stratum</u> (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test wor	·kshoot·	
1	70 OOVCI	Орескоз:	Otatus	Number of Dominant		
2.				Are OBL, FACW, or F	'	1 (A)
3.				Total Number of Dom	inant Species	
4				Across All Strata:		4 (B)
Operation (Observe Observer) (Platesians 200)	\ <u></u>	=Total Cover		Percent of Dominant	•	F 00/ (A/D)
Sapling/Shrub Stratum (Plot size: 30' 1. Rosa woodsii) 15	Yes	FACU	Are OBL, FACW, or F	AC: 28	5.0% (A/B)
2.		103	TAGO	Prevalence Index wo	rksheet:	
3.				Total % Cover of	: Multiply	by:
4.				OBL species (x 1 =	0
5					x 2 =	0
	15	=Total Cover			· · · · · · · · · · · · · · · · · · ·	135
Herb Stratum (Plot size: 30')	00	V	540			240
Dipsacus fullonum Sisymbrium altissimum	<u>30</u> 	Yes Yes	FACU FACU	· -) x 5 =)5 (A) 3	0 375 (B)
Sisymbium aldssimum Erigeron strigosus	20	Yes	FACU	Prevalence Index	`` /	``
Cirsium arvense	15	No	FAC	Trovalorios iriaex	<u> </u>	
5.				Hydrophytic Vegetat	ion Indicators:	
6.				1 - Rapid Test for	Hydrophytic Vegeta	ation
7.				2 - Dominance Te	st is >50%	
8				3 - Prevalence Inc		
9					Adaptations ¹ (Provid	
10					s or on a separate	sheet)
11		Tatal Oassa		5 - Wetland Non-		(F I - i)
Woody Vine Stratum (Plot size: 30'	90	=Total Cover			ophytic Vegetation ¹	` ' '
1	/			¹ Indicators of hydric s be present, unless dis		
2.				Hydrophytic	·	
% Bare Ground in Herb Stratum		=Total Cover		Vegetation Present? Yes	No X	
Remarks:						_

SOIL Sampling Point: UDP 10-24

Profile Desc	cription: (Descri	ibe to the depth	n needed to docu	ıment tl	ne indica	tor or o	confirm the	absence o	f indicators.)		
Depth	Matr	ix	Redo	x Featur	es						
(inches)	Color (moist) %	Color (moist)	%	Type ¹	Loc ²	Tex	ture		Remarks	
0-3	10YR 4/2	100					Loamy/	/Clayey	ro	ots present	
3-18	10YR 4/2	100					Loamy/	/Clayey		no redox	
	-		_					<u> </u>			
-	· -										
_											
¹ Type: C=C	oncentration, D=[Depletion, RM=F	Reduced Matrix, C	S=Cove	ered or Co	ated S	and Grains.	² Loca	tion: PL=Pore	Lining, M=N	Matrix.
			RRs, unless othe						s for Problem		
Histosol			Sandy Gle						Muck (A10) (L l	-	
	pipedon (A2)		Sandy Red						Manganese Ma		(LRR D)
	istic (A3)		Stripped M						Parent Material		
Hydrogen Sulfide (A4) Loamy Mucky Mineral (F1) (except MLRA 1) Very Shallow Dark Surface (F22)						?)					
1 cm Muck (A9) (LRR D, G) Loamy Gleyed Matrix (F2) Other (Explain in Remarks)											
Deplete	d Below Dark Sur	face (A11)	Depleted N	∕latrix (F	3)						
Thick Da	ark Surface (A12)		Redox Dar	k Surfac	ce (F6)			³ Indicators	s of hydrophytic	c vegetation	and
Sandy N	Mucky Mineral (S1)	Depleted D	ark Sur	face (F7)			wetlar	nd hydrology m	nust be pres	ent,
2.5 cm l	Mucky Peat or Pe	at (S2) (LRR G)	Redox Dep	ression	s (F8)			unles	s disturbed or p	oroblematic	
Restrictive	Layer (if observe	ed):									
Type:											
Depth (i	nches):						Hydric So	oil Present	?	Yes	No X
Remarks:										<u> </u>	·
HYDROLC	OGY										
Wetland Hy	drology Indicato	rs:									
_			ed; check all that a	apply)				Secondar	y Indicators (2	or more req	uired)
Surface	Water (A1)		Water-Stai	ned Lea	ives (B9)	(ехсер	t	Water	r-Stained Leave	es (B9) (ML	RA 1, 2
High Wa	ater Table (A2)		MLRA	1, 2, 4A,	and 4B)				, and 4B)		
Saturation	on (A3)		Salt Crust	(B11)				Draina	age Patterns (E	310)	
Water M	/larks (B1)		Aquatic Inv	/ertebra	tes (B13)			Dry-S	eason Water T	able (C2)	
Sedime	nt Deposits (B2)		Hydrogen	Sulfide (Odor (C1)			Satura	ation Visible or	n Aerial Ima	gery (C9)
Drift Dep	posits (B3)		Oxidized R			-	oots (C3)	Geom	orphic Position	n (D2)	
	at or Crust (B4)		Presence of	of Redu	ced Iron (C4)		Shallo	ow Aquitard (D	3)	
	posits (B5)		Recent Iro				` '		Neutral Test (D	•	
	Soil Cracks (B6)		Stunted or			(D1) (L l	RR A)		d Ant Mounds		A)
	ion Visible on Aer			lain in F	Remarks)			Frost-	Heave Hummo	ocks (D7)	
Sparsely	y Vegetated Cond	ave Surface (B	8)				_				
Field Obser											
Surface Wat		Yes			inches):						
Water Table		Yes			nches):						
Saturation P		Yes	No	Depth (i	inches):		Wetlan	d Hydrolog	y Present?	Yes	No X
	pillary fringe)		.i				4:\	-: - - -			
Describe Re	corded Data (Stre	am gauge, mor	nitoring well, aeria	priotos	, previous	inspec	alons), ii ava	anable:			
Remarks:											
rtomarks.											

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Project/Site: Post Creek Hill - US 93		City/Cour	nty: Lake		Sampling Date:	8-7-2024
Applicant/Owner: MDT			•	State: MT	Sampling Point:	UDP 11-24
Investigator(s): B.Cline, F.Doty		Section, T	ownship, Ra	nge: S13 T19N R20W		
Landform (hillside, terrace, etc.): field		 Local relief (co	oncave, conv	vex, none): convex	Slop	oe (%): 5-10
Subregion (LRR/MLRA): LRR E, MLRA 44A	Lat:	47.40913	5 I	ong: -114.096543	Datum:	NAD93
Soil Map Unit Name: Post silty clay loam, 4 to 8 per	cent slopes			NWI classif	ication: none	
Are climatic / hydrologic conditions on the site typica	I for this time o	f year?	Yes X	No (If no, exp	lain in Remarks.)	
Are Vegetation , Soil , or Hydrology	significantly					0
Are Vegetation, Soil, or Hydrology						
SUMMARY OF FINDINGS – Attach site r						tures, etc.
Hydrophytic Vegetation Present? Yes	No X	Is the	Sampled A	rea		
	No X		n a Wetland		No X	
	No X					
Remarks:		•				
VEGETATION – Use scientific names of	plants.					
T 01 1 (D) 1 1 201	Absolute	Dominant	Indicator			
Tree Stratum (Plot size: 30') 1.	% Cover	Species?	Status	Dominance Test wor		
2.				Number of Dominant S Are OBL, FACW, or Fa	•	0 (A)
3.				Total Number of Domi		(11)
4.				Across All Strata:	nant Species	2 (B)
		=Total Cover		Percent of Dominant S	Species That	
Sapling/Shrub Stratum (Plot size: 30')			Are OBL, FACW, or FA	•	.0% (A/B)
1						
2				Prevalence Index wo		
3.				Total % Cover of:		
4.				OBL species 0 FACW species 0		0
5		=Total Cover		FACW species 0 FAC species 10		30
Herb Stratum (Plot size: 30')		- rotal Gover		FACU species 15		60
1. Thinopyrum intermedium	40	Yes	UPL	UPL species 75		375
2. Plantago patagonica	20	Yes	UPL	Column Totals: 10		465 (B)
3. Taraxacum officinale	15	No	FACU	Prevalence Index =	= B/A = 4.65	5
4. Bromus inermis	15	No	UPL			
5. Elymus trachycaulus	10	No	FAC	Hydrophytic Vegetati		
6					Hydrophytic Vegeta	ation
7.				2 - Dominance Te		
8. 9.				3 - Prevalence Ind	lex is ≤3.0 Adaptations¹(Provid	do ou poeting
9					s or on a separate	
11.				5 - Wetland Non-V	/ascular Plants ¹	,
	100	=Total Cover			phytic Vegetation ¹	(Explain)
Woody Vine Stratum (Plot size: 30')			¹ Indicators of hydric so	il and wetland hvdi	rology must
1.	_			be present, unless dist		
2.				Hydrophytic		
		=Total Cover		Vegetation		
% Bare Ground in Herb Stratum				Present? Yes	No_X	_
Remarks:						

SOIL Sampling Point: UDP 11-24

Profile Desc	cription: (Describ	e to the deptl	n needed to docu	ıment tl	ne indica	tor or c	confirm the	absence c	of indicators.)
Depth	Matrix		Redo	x Featur	es				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Text	ture	Remarks
0-3	10YR 3/2	100					Loamy/	Clayey	roots present
3-5	10YR 4/2	100					Loamy/	Clayey	no redox
5-16	10YR 4/2	100					Loamy/	Clavev	25% gravel/rock, compacted
	-								
¹ Type: C=C	oncentration, D=De	pletion, RM=F	Reduced Matrix, C	S=Cove	ered or Co	ated S	and Grains.	² Loca	ation: PL=Pore Lining, M=Matrix.
Hydric Soil	Indicators: (Appli	cable to all Li	RRs, unless othe	rwise n	oted.)			Indicator	s for Problematic Hydric Soils ³ :
Histosol	(A1)		Sandy Gle	yed Mat	rix (S4)			2 cm	Muck (A10) (LRR A, E)
Histic Ep	oipedon (A2)		Sandy Red	lox (S5)				Iron-N	Manganese Masses (F12) (LRR D)
Black Histic (A3) Stripped Matrix (S6) Red Parent Material (F21)						Parent Material (F21)			
Hydroge	n Sulfide (A4)		Loamy Mu	cky Mine	eral (F1) (except	MLRA 1)	Very	Shallow Dark Surface (F22)
1 cm Mu	ıck (A9) (LRR D, G)	Loamy Gle	yed Ma	trix (F2)			Other	r (Explain in Remarks)
Depleted	d Below Dark Surfa	ce (A11)	Depleted N	∕latrix (F	3)				
Thick Da	ark Surface (A12)		Redox Dar	k Surfac	e (F6)			³ Indicator	s of hydrophytic vegetation and
Sandy M	lucky Mineral (S1)		Depleted [ark Sur	face (F7)			wetla	nd hydrology must be present,
2.5 cm M	Mucky Peat or Peat	(S2) (LRR G	Redox Dep	ression	s (F8)			s disturbed or problematic.	
Restrictive	Layer (if observed):							
Type:			_						
Depth (ii	nches):		<u> </u>				Hydric So	oil Present	? Yes No X
Remarks:	Remarks:								
HYDROLC	GY								
Wetland Hy	drology Indicators	s:							
_	cators (minimum of		ed; check all that a	apply)				Secondar	y Indicators (2 or more required)
Surface	Water (A1)		Water-Stai	ned Lea	ives (B9)	(excep	t	Wate	r-Stained Leaves (B9) (MLRA 1, 2
High Wa	ater Table (A2)		MLRA	1, 2, 4A,	and 4B)			<u> </u>	A, and 4B)
Saturation	on (A3)		Salt Crust	(B11)				Drain	age Patterns (B10)
Water M	larks (B1)		Aquatic Inv	/ertebra	tes (B13)			Dry-S	Season Water Table (C2)
Sedimer	nt Deposits (B2)		Hydrogen	Sulfide (Odor (C1)			Satur	ration Visible on Aerial Imagery (C9)
Drift Dep	posits (B3)		Oxidized R	hizosph	eres on L	iving R	oots (C3)	Geon	norphic Position (D2)
Algal Ma	at or Crust (B4)		Presence of	of Reduc	ced Iron (C4)		Shall	ow Aquitard (D3)
	oosits (B5)		Recent Iro	n Reduc	tion in Til	led Soil	ls (C6)	FAC-	Neutral Test (D5)
	Soil Cracks (B6)		Stunted or			(D1) (L l	RR A)		ed Ant Mounds (D6) (LRR A)
	on Visible on Aeria			lain in F	Remarks)			Frost	-Heave Hummocks (D7)
Sparsely	/ Vegetated Conca	ve Surface (B	8)						
Field Obser	vations:								
Surface Wat		/es			nches): _				
Water Table		/es			nches):				
Saturation P		/es	No	Depth (i	nches):		Wetland	d Hydrolog	gy Present? Yes No _X
(includes cap		m aa	sitoring	nb-+-	nec d	in	tions\ !f -:	silahla:	
Describe Re	corded Data (strea	m gauge, mor	ilioring well, aeria	pnotos	, previous	inspec	uons), it ava	allable:	
Remarks:									
nemarks.									

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Project/Site: Post Creek Hill - US 93		City/Cour	nty: Lake		Sampling D	ete: 8-8-2024
Applicant/Owner: MDT				State: MT	Sampling P	oint: UDP 12-24
Investigator(s): B.Cline, F.Doty		Section, T	ownship, Ra	nge: S13 T19N R20	OW.	•
Landform (hillside, terrace, etc.): field		 Local relief (co	oncave, conv	ex, none): convex		Slope (%): 5-10
Subregion (LRR/MLRA): LRR E, MLRA 44A	Lat:	47.39950	9 L	ong: -114.096694	Dat	tum: NAD93
Soil Map Unit Name: Bolack silt loam, 0 to 2 percen					assification: PEM1	1C
Are climatic / hydrologic conditions on the site typica	al for this time o	f year?	Yes X	No (If no,	explain in Remar	ks.)
Are Vegetation, Soil, or Hydrology	significantly	disturbed? A	re "Normal C	ircumstances" prese	ent? Yes X	No
Are Vegetation, Soil, or Hydrology						
SUMMARY OF FINDINGS – Attach site i						features, etc.
Hydrophytic Vegetation Present? Yes	No X	Is the	Sampled A	rea		
	No X		n a Wetland'		No X	
Wetland Hydrology Present? Yes	No X					•
VEGETATION – Use scientific names of	f plants.					
<u>Tree Stratum</u> (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test	worksheet:	
1	70 00001	Ореской:		Number of Domina		
2.				Are OBL, FACW, of	•	0 (A)
3. 4.				Total Number of D Across All Strata:	ominant Species	2 (B)
		=Total Cover		Percent of Domina	ant Species That	
Sapling/Shrub Stratum (Plot size: 30')			Are OBL, FACW, o	or FAC:	0.0% (A/B)
2.				Prevalence Index	worksheet:	
3.				Total % Cove	r of: M	ultiply by:
4				OBL species	0 x 1 =	0
5				FACW species	10 x 2 =	
(5)		=Total Cover		FAC species	15 x 3 =	
Herb Stratum (Plot size: 30') 1. Bromus inermis	50	Yes	LIDI	FACU species UPL species	25 x 4 = 50 x 5 =	<u>100</u> 250
Bromus inermis Lactuca serriola	25	Yes	FACU	Column Totals:	50 x 5 =	415 (B)
3. Phleum pratense	15	No	FAC	Prevalence Inde	(/	4.15
4. Persicaria lapathifolia	10	No	FACW			
5.				Hydrophytic Vege	etation Indicators	s:
6				1 - Rapid Test	for Hydrophytic V	/egetation
7					e Test is >50%	
8					e Index is ≤3.0 ¹	
9.						Provide supporting
10					narks or on a sepa	
11	100	=Total Cover	<u> </u>		on-Vascular Plant lydrophytic Vegeta	
Woody Vine Stratum (Plot size: 30')	13.31 00001		¹ Indicators of hydri		` ' '
1.	<u> </u>			be present, unless		
2.		=Total Cover		Hydrophytic Vegetation		
% Bare Ground in Herb Stratum				-	res No	X
Remarks:						

SOIL Sampling Point: UDP 12-24

Profile Desc	cription: (Describ	e to the depti	h needed to docu	ıment tl	ne indica	tor or c	confirm the	absence o	of indicators.)
Depth	Matrix		Redo	x Featur	es				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Tex	ture	Remarks
0-2	10YR 3/2	100					Loamy/	Clayey	roots present
2-5	10YR 3/2	100					Loamy/	Clayey	20% gravel, compact
5-16	10YR 3/2	100					Loamy/	Clavev	higher compaction
							-		
	-								
¹ Type: C=C	oncentration, D=De	pletion, RM=F	Reduced Matrix, C	S=Cove	ered or Co	ated S	and Grains.	² Loca	ation: PL=Pore Lining, M=Matrix.
Hydric Soil	Indicators: (Appli	cable to all L	RRs, unless othe	rwise n	oted.)			Indicator	s for Problematic Hydric Soils ³ :
Histosol	(A1)		Sandy Gle	yed Mat	rix (S4)			2 cm	Muck (A10) (LRR A, E)
Histic Ep	oipedon (A2)		Sandy Red	lox (S5)				Iron-l	Manganese Masses (F12) (LRR D)
Black Histic (A3) Stripped Matrix (S6) Red Parent Material (F21)						Parent Material (F21)			
Hydroge	n Sulfide (A4)		Loamy Mu	cky Mine	eral (F1) (except	MLRA 1)	Very	Shallow Dark Surface (F22)
1 cm Mu	ıck (A9) (LRR D, G)	Loamy Gle	yed Ma	trix (F2)			Other	r (Explain in Remarks)
Depleted	d Below Dark Surfa	ce (A11)	Depleted N	/latrix (F	3)				
Thick Da	ark Surface (A12)		Redox Dar	k Surfac	e (F6)			³ Indicator	s of hydrophytic vegetation and
Sandy M	lucky Mineral (S1)		Depleted D	ark Sur	face (F7)			wetla	and hydrology must be present,
2.5 cm M	Mucky Peat or Peat	(S2) (LRR G	Redox Dep	ression	s (F8)			ss disturbed or problematic.	
Restrictive	Layer (if observed):							
Type:			_						
Depth (ii	nches):						Hydric So	oil Present	? Yes No X
Remarks:	Remarks:								
HYDROLC	GY								
Wetland Hy	drology Indicators	5:							
_	cators (minimum of		ed; check all that a	apply)				Secondar	ry Indicators (2 or more required)
Surface	Water (A1)		Water-Stai	ned Lea	ives (B9)	(excep	t	Wate	er-Stained Leaves (B9) (MLRA 1, 2
High Wa	ater Table (A2)		MLRA	1, 2, 4A,	and 4B)				A, and 4B)
Saturation	on (A3)		Salt Crust	(B11)				Drain	nage Patterns (B10)
Water M	larks (B1)		Aquatic Inv	/ertebra	tes (B13)			Dry-S	Season Water Table (C2)
Sedimer	nt Deposits (B2)		Hydrogen	Sulfide (Odor (C1)			Satur	ration Visible on Aerial Imagery (C9)
Drift Dep	posits (B3)		Oxidized R	hizosph	eres on L	iving R	oots (C3)	Geon	morphic Position (D2)
Algal Ma	at or Crust (B4)		Presence of	of Reduc	ced Iron (C4)		Shall	ow Aquitard (D3)
	oosits (B5)		Recent Iro	n Reduc	tion in Til	led Soil	ls (C6)	FAC-	Neutral Test (D5)
	Soil Cracks (B6)		Stunted or			(D1) (L l	RR A)		ed Ant Mounds (D6) (LRR A)
	on Visible on Aeria			lain in F	Remarks)			Frost	-Heave Hummocks (D7)
Sparsely	/ Vegetated Conca	ve Surface (B	8)						
Field Obser	vations:								
Surface Wat		/es			nches): _				
Water Table		/es			nches):				
Saturation P		/es	No	Depth (i	nches):		Wetlan	d Hydrolog	gy Present? Yes No _X
(includes cap			sitoring	nb-+-	nec d	in	tions\ if =:	silable:	
Describe Re	corded Data (strea	m gauge, mor	illoring well, aerial	pnotos	, previous	inspec	cuons), if ava	allable:	
Remarks:									
nemarks.									

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Project/Site: Post Creek Hill - US 93		City/Cour	nty: Lake		Sampling Date:		
Applicant/Owner: MDT		•	State: MT	Sampling Point:	UDP 13-24		
Investigator(s): B.Cline, F.Doty		Section, T	Section, Township, Range: S13 T19N R20W				
Landform (hillside, terrace, etc.): field		Local relief (co	oncave, conv	vex, none): convex	Slop	oe (%): 0-5	
Subregion (LRR/MLRA): LRR E, MLRA 44A	Lat:	47.40282	4	Long: <u>-114.096468</u>	Datum:	NAD93	
Soil Map Unit Name: Post silty clay loam, 2 to 4 per	cent slopes			NWI classif	fication: none		
Are climatic / hydrologic conditions on the site typical	al for this time o	f year?	Yes X	No (If no, exp	olain in Remarks.)		
Are Vegetation, Soil, or Hydrology	significantly	disturbed? A	re "Normal (Circumstances" present?	Yes X No		
Are Vegetation, Soil, or Hydrology	naturally pro	blematic? (I	f needed, ex	plain any answers in Rer	marks.)		
SUMMARY OF FINDINGS – Attach site	map showir	g samplin	g point lo	cations, transects,	important feat	ures, etc.	
Hydrophytic Vegetation Present? Yes X	No	Is the	Sampled A	rea			
Hydric Soil Present? Yes	No X	withi	n a Wetland	? Yes	No X		
Wetland Hydrology Present? Yes	No X						
Remarks:							
VEGETATION – Use scientific names of	Absolute	Dominant	Indicator				
<u>Tree Stratum</u> (Plot size: 30')	% Cover	Dominant Species?	Status	Dominance Test wor	ksheet:		
1.	_			Number of Dominant S	Species That		
2				Are OBL, FACW, or F	AC:	2 (A)	
3.				Total Number of Domi	nant Species		
4		=Total Cover		Across All Strata:		2 (B)	
Sapling/Shrub Stratum (Plot size: 30'	, ——	- I Olai Covei		Percent of Dominant S Are OBL, FACW, or F	•	0.0% (A/B)	
1.				7.10 022, 17.000, 01.1		<u>0.070</u> (742)	
2.				Prevalence Index wo	rksheet:		
3				Total % Cover of	: Multiply	by:	
4.				OBL species 0		0	
5		=Total Cover		FACW species 0 FAC species 10		<u>0</u> 300	
Herb Stratum (Plot size: 30')		- I Olai Covei		FACU species (0	
1. Poa pratensis	50	Yes	FAC	UPL species (0	
2. Cirsium arvense	35	Yes	FAC	Column Totals: 10	00 (A) 3	B00 (B)	
3. Dipsacus fullonum	15	No	FAC	Prevalence Index	= B/A = 3.00)	
4							
5.				Hydrophytic Vegetati		4:	
6. 7.				X 2 - Dominance Te	Hydrophytic Vegeta	ation	
8.				3 - Prevalence Inc			
9.					Adaptations ¹ (Provic	de supporting	
10.				data in Remark	s or on a separate	sheet)	
11				5 - Wetland Non-\			
	100	=Total Cover		l 	ophytic Vegetation ¹		
Woody Vine Stratum (Plot size: 30')			¹ Indicators of hydric so			
1. 2.				be present, unless dis	turbed or problema	IIC.	
- .		=Total Cover		Hydrophytic Vegetation			
% Bare Ground in Herb Stratum		. 514. 5575.		_	XNo	_	
Remarks:							

SOIL Sampling Point: UDP 13-24

Profile Des	cription: (Descril	e to the depth	needed to docu	ıment tl	ne indica	tor or c	onfirm the	absence o	of indicators.)		
Depth	Matrix	<u> </u>	Redo	x Featur	es						
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture		Remarks		
0-4	10YR 2/2	100					Loamy/Clayey		roots present		
4-18	10YR 3/2	100	·		·		Loamy	/Clayey			
,											
,			-								
-											
,											
¹ Type: C=C	oncentration, D=D	epletion, RM=F	Reduced Matrix, C	S=Cove	ered or Co	ated S	and Grains.	² Loca	tion: PL=Pore Lining, M=Matrix.		
Hydric Soil	Indicators: (Appl	icable to all Li	RRs, unless othe	rwise n	oted.)			Indicator	s for Problematic Hydric Soils ³ :		
Histosol	l (A1)		Sandy Gle	yed Mat	rix (S4)			2 cm	Muck (A10) (LRR A, E)		
Histic E	pipedon (A2)		Sandy Red	lox (S5)			Iron-Manganese Masses (F12) (LRR D)				
Black H	istic (A3)		Stripped M	,	,				Parent Material (F21)		
Hydroge	en Sulfide (A4)		Loamy Mu	cky Min	eral (F1) (except	MLRA 1)	Very	Shallow Dark Surface (F22)		
	uck (A9) (LRR D, 0		Loamy Gle	-				Other	(Explain in Remarks)		
· ·	d Below Dark Surf	ace (A11)	Depleted N		-			2			
	ark Surface (A12)		Redox Dar						s of hydrophytic vegetation and		
	Mucky Mineral (S1)		Depleted [, ,				nd hydrology must be present,		
2.5 cm l	Mucky Peat or Pea	it (S2) (LRR G)	Redox Dep	ression	s (F8)			unles	s disturbed or problematic.		
	Layer (if observe	d):									
Type:			<u> </u>								
Depth (i	nches):		_				Hydric So	oil Present	? Yes No X		
Remarks:											
LIVEROLO	201/										
HYDROLO											
_	drology Indicator										
=	cators (minimum o	of one is require							y Indicators (2 or more required)		
	Water (A1)		Water-Stai		, ,	(excep	t		r-Stained Leaves (B9) (MLRA 1, 2		
	ater Table (A2)				and 4B)				A, and 4B)		
Saturati			Salt Crust	-	h (D40)				age Patterns (B10)		
	Marks (B1)		Aquatic Inv						Season Water Table (C2)		
	nt Deposits (B2) posits (B3)		Hydrogen Oxidized R		,		oots (C3)		ration Visible on Aerial Imagery (C9) norphic Position (D2)		
	at or Crust (B4)		Presence of			-	0015 (03)		ow Aquitard (D3)		
	posits (B5)		Recent Iro				ls (C6)		Neutral Test (D5)		
	Soil Cracks (B6)		Stunted or				` '		ed Ant Mounds (D6) (LRR A)		
	on Visible on Aeria	al Imagery (B7)				(D I) (L I	iti A)		-Heave Hummocks (D7)		
	y Vegetated Conc				,				(= , ,		
Field Obser		,	,								
Surface Wat		Yes	No	Depth (i	nches):						
Water Table		Yes			nches):						
Saturation P	Present?	Yes		Depth (i			Wetlan	d Hydrolog	gy Present? Yes No_X_		
(includes ca	pillary fringe)			<u> </u>							
Describe Re	ecorded Data (strea	am gauge, mon	itoring well, aeria	photos	, previous	inspec	tions), if ava	ailable:			
Remarks:											

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Project/Site: Post Creek Hill - US 93	-	City/Cou	nty: Lake	•	Sampling Date:	8-8-2024
Applicant/Owner: MDT			'	State: MT	Sampling Point:	UDP 14-24
Investigator(s): B.Cline, F.Doty		Section, T	ownship, Ra	inge: S13 T19N R20W		
Landform (hillside, terrace, etc.): field		Local relief (co	oncave, con	/ex, none): convex	Slo	pe (%): 0-5
Subregion (LRR/MLRA): LRR E, MLRA 44A	Lat:	47.40335	1	Long: <u>-114.096538</u>	Datum:	NAD93
Soil Map Unit Name: Post silty clay loam, 2 to 4 percentage	ent slopes			NWI classif	ication: none	
Are climatic / hydrologic conditions on the site typical	for this time o	f year?	Yes X	No (If no, exp	lain in Remarks.)	
Are Vegetation, Soil, or Hydrology	significantly	disturbed? A	re "Normal (Circumstances" present?	Yes X N	0
Are Vegetation, Soil, or Hydrology	naturally pro	blematic? (If needed, ex	xplain any answers in Rer	narks.)	
SUMMARY OF FINDINGS – Attach site m	- '		g point lo	cations, transects,	important fea	tures, etc.
Hydrophytic Vegetation Present? Yes	lo X	Is the	Sampled A	ırea		
	No X		n a Wetland		No X	
Wetland Hydrology Present? Yes N	lo X					
Remarks:						
VEGETATION – Use scientific names of	plants.					
Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator	Dominance Test wor	kohooti	
Tree Stratum (Plot size: 30')	% Cover	Species !	Status			
2.				Number of Dominant S Are OBL, FACW, or FA	•	1 (A)
3.				Total Number of Domi		`` ′
4.				Across All Strata:		2 (B)
		=Total Cover		Percent of Dominant S	species That	
Sapling/Shrub Stratum (Plot size: 30'	_)			Are OBL, FACW, or F	AC: 5	0.0% (A/B)
1. 2.				Prevalence Index wo	rkohoot:	
3.				Total % Cover of:		/ hv·
4.				OBL species 0		0
5.				FACW species 0	x 2 =	0
		=Total Cover		FAC species 65	5 x 3 =	195
Herb Stratum (Plot size: 30')				FACU species 0	x 4 =	0
1. Poa pratensis	50	Yes	FAC	UPL species 35		175
2. Thinopyrum intermedium	20	Yes	UPL	Column Totals: 10	· /	370 (B)
Dipsacus fullonum Bromus inermis	15 15	No No	FAC UPL	Prevalence Index =	= B/A = 3.70)
5.		INO	UPL	Hydrophytic Vegetati	on Indicators:	
6.				1 - Rapid Test for		ation
7.				2 - Dominance Te		
8.				3 - Prevalence Ind	ex is ≤3.0 ¹	
9.				4 - Morphological		
10					s or on a separate	sheet)
11				5 - Wetland Non-V		
Marchalfine Objections (Distriction 201	100	=Total Cover		Problematic Hydro		
Woody Vine Stratum (Plot size: 30' 1.	_)			¹ Indicators of hydric so be present, unless dist		
1. 2.				· · · · · · · · · · · · · · · · · · ·	arbed of problema	uo.
		=Total Cover		Hydrophytic Vegetation		
% Bare Ground in Herb Stratum				Present? Yes	No_X	
Remarks:				<u> </u>		_

SOIL Sampling Point: UDP 14-24

Profile Des	cription: (Descri	be to the depti	h needed to docu	ıment tl	ne indica	tor or c	onfirm the	absence o	of indicators.)		
Depth	Matri	<u> </u>	Redo	x Featur	es						
(inches)	Color (moist)		Color (moist)	%	Type ¹	Loc ²	Texture		Remarks		
0-4	10YR 3/1	100					Loamy/Clayey		roots present		
4-18	10YR 3/1	100			·		Loamy	/Clayey			
,											
,											
-											
								_			
,											
¹ Type: C=C	oncentration, D=D	epletion, RM=F	Reduced Matrix, C	S=Cove	ered or Co	ated S	and Grains.	² Loca	tion: PL=Pore Lining, M=Matrix.		
Hydric Soil	Indicators: (Appl	icable to all L	RRs, unless othe	rwise n	oted.)			Indicator	s for Problematic Hydric Soils ³ :		
Histosol	l (A1)		Sandy Gle	yed Mat	rix (S4)			2 cm	Muck (A10) (LRR A, E)		
Histic E	pipedon (A2)		Sandy Red	lox (S5)			Iron-Manganese Masses (F12) (LRR D)				
Black H	istic (A3)		Stripped M	atrix (S	3)				Parent Material (F21)		
Hydroge	en Sulfide (A4)		Loamy Mu	cky Min	eral (F1) (except	MLRA 1)	Very	Shallow Dark Surface (F22)		
	uck (A9) (LRR D, 		Loamy Gle	-				Other	(Explain in Remarks)		
· ·	d Below Dark Surf	ace (A11)	Depleted N					2			
	ark Surface (A12)		Redox Dar		• •				s of hydrophytic vegetation and		
	Mucky Mineral (S1	,	Depleted [, ,				nd hydrology must be present,		
2.5 cm l	Mucky Peat or Pea	at (S2) (LRR G))Redox Dep	ression	s (F8)			unles	s disturbed or problematic.		
	Layer (if observe	d):									
Type:											
Depth (i	nches):						Hydric So	oil Present	? Yes <u>No X</u>		
Remarks:											
LIVERGLA	201/										
HYDROLO											
_	drology Indicator										
=	cators (minimum o	of one is require							y Indicators (2 or more required)		
	Water (A1)		Water-Stai		, ,	(excep	t		r-Stained Leaves (B9) (MLRA 1, 2		
	ater Table (A2)				and 4B)				A, and 4B)		
Saturati			Salt Crust	-	h (D40)				age Patterns (B10)		
	Marks (B1)		Aquatic Inv						Season Water Table (C2)		
	nt Deposits (B2) posits (B3)		Hydrogen Oxidized R		,		oots (C3)		ration Visible on Aerial Imagery (C9) norphic Position (D2)		
	at or Crust (B4)		Presence			-	0015 (03)		ow Aquitard (D3)		
	posits (B5)		Recent Iro				ls (C6)		Neutral Test (D5)		
	Soil Cracks (B6)		Stunted or				` '		ed Ant Mounds (D6) (LRR A)		
	on Visible on Aeri	al Imagery (B7)				(D I) (L I	iti A)		-Heave Hummocks (D7)		
	y Vegetated Conc								(21)		
Field Obser		,	-,								
Surface Wa		Yes	No	Depth (i	nches):						
Water Table		Yes			nches):						
Saturation P	Present?	Yes		Depth (i			Wetlan	d Hydrolog	gy Present? YesNo_X		
(includes ca	pillary fringe)			<u> </u>							
Describe Re	ecorded Data (stre	am gauge, mor	nitoring well, aeria	photos	, previous	inspec	tions), if ava	ailable:			
Remarks:											

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Project/Site: Post Creek Hill - US 93		City/Coun	nty: Lake		Sampling Date:	8-8-2024
Applicant/Owner: MDT		_		State: MT	Sampling Point:	UDP 15-24
Investigator(s): B.Cline, F.Doty		Section, To	ownship, Ran	ge: S13 T19N R20W		
Landform (hillside, terrace, etc.): field	L	 .ocal relief (co	ncave, conve	x, none): convex	Slop	oe (%): 0-5
Subregion (LRR/MLRA): LRR E, MLRA 44A	Lat:	47.40950	3 Lo	ong: -114.096550	Datum:	NAD93
Soil Map Unit Name: Post silty clay loam, 4 to 8 percent				NWI classi	fication: none	
Are climatic / hydrologic conditions on the site typical for	this time of	year?	Yes X	No (If no, exp	olain in Remarks.)	
Are Vegetation , Soil , or Hydrology signature , signa		-			•)
Are Vegetation , Soil , or Hydrology na				lain any answers in Re		
SUMMARY OF FINDINGS – Attach site map			·	•	•	ures, etc.
Hydrophytic Vegetation Present? Yes No	Х	Is the	Sampled Are	ea		
	Х		n a Wetland?		No X	
	Χ					
Remarks:						
VEGETATION – Use scientific names of pla	Absolute	Dominant	Indicator			
Tree Stratum (Plot size: 30')	% Cover	Species?	Status	Dominance Test wor	ksheet:	
1				Number of Dominant	Species That	
2				Are OBL, FACW, or F	AC:	2 (A)
3. 4				Total Number of Dom Across All Strata:	inant Species	4 (B)
·		Total Cover	 [Percent of Dominant S		(5)
Sapling/Shrub Stratum (Plot size: 30')				Are OBL, FACW, or F	•).0%(A/B)
1						
2.				Prevalence Index wo		
3				Total % Cover of		
4) x1=) x2=	0
5		Total Cover				150
Herb Stratum (Plot size: 30')		· Total Covel		·	x4=	0
1. Plantago patagonica	25	Yes	UPL			250
2. Elymus trachycaulus	20	Yes	FAC	· -		100 (B)
3. Bromus tectorum	20	Yes	UPL	Prevalence Index	= B/A = 4.00	
4. Poa pratensis	20	Yes	FAC			
5. Alopecurus pratensis	10	No	FAC	Hydrophytic Vegetat	ion Indicators:	
6. Bromus inermis	5	No	UPL		Hydrophytic Vegeta	ation
7				2 - Dominance Te		
8				3 - Prevalence Inc		
9					Adaptations ¹ (Provic s or on a separate :	
10				5 - Wetland Non-		oncot)
···	100 =	Total Cover			ophytic Vegetation ¹	(Explain)
Woody Vine Stratum (Plot size: 30')				¹Indicators of hydric se		` ' '
1				be present, unless dis		
2		Total Cover		Hydrophytic		
% Bare Ground in Herb Stratum		Total Cover		Vegetation Present? Yes	No X	
Remarks:			L			

SOIL Sampling Point: UDP 15-24

Profile Desc	cription: (Describ	e to the depti	h needed to docu	ıment tl	ne indica	tor or c	confirm the	absence o	of indicators.)		
Depth	Matrix		Redo	x Featur	es						
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture		Remarks		
0-2	10YR 3/2	100					Loamy/Clayey		roots present		
2-10	10YR 3/3	100					Loamy/Clayey		increased compaction		
10-16	10YR 3/3	100					Loamy/	/Clavev	very compacted		
	•						-				
	-										
¹ Type: C=C	oncentration, D=De	epletion, RM=F	Reduced Matrix, C	S=Cove	ered or Co	ated S	and Grains.	² Loca	ation: PL=Pore Lining, M=Matrix.		
Hydric Soil	Indicators: (Appli	cable to all L	RRs, unless othe	rwise n	oted.)			Indicator	s for Problematic Hydric Soils ³ :		
Histosol	(A1)		Sandy Gle	yed Mat	rix (S4)			2 cm	Muck (A10) (LRR A, E)		
Histic Ep	oipedon (A2)		Sandy Red	lox (S5)			Iron-Manganese Masses (F12) (LRR D)				
Black Hi	stic (A3)		Stripped M	atrix (S6	3)			Red I	Parent Material (F21)		
Hydroge	n Sulfide (A4)		Loamy Mu	cky Mine	eral (F1) (except	MLRA 1)	Very	Shallow Dark Surface (F22)		
1 cm Mu	ıck (A9) (LRR D, G	i)	Loamy Gle	yed Ma	trix (F2)			Other	r (Explain in Remarks)		
Depleted	d Below Dark Surfa	ice (A11)	Depleted N	∕latrix (F	3)						
Thick Da	ark Surface (A12)		Redox Dar	k Surfac	e (F6)			³ Indicator	s of hydrophytic vegetation and		
Sandy M	lucky Mineral (S1)		Depleted D	Depleted Dark Surface (F7)				wetland hydrology must be present,			
2.5 cm M	Mucky Peat or Pea	t (S2) (LRR G	Redox Dep	ression	s (F8)			unles	ss disturbed or problematic.		
Restrictive	Layer (if observed	l):									
Type:			_								
Depth (inches):					Hydric So	oil Present	? Yes No X				
Remarks:						•					
HYDROLC	GY										
Wetland Hy	drology Indicators	s:									
_	cators (minimum o		ed; check all that a	apply)				Secondar	ry Indicators (2 or more required)		
Surface	Water (A1)		Water-Stai	ned Lea	ives (B9)	(excep	t	Wate	er-Stained Leaves (B9) (MLRA 1, 2		
High Wa	ater Table (A2)		MLRA	1, 2, 4A,	and 4B)			<u> </u>	A, and 4B)		
Saturation	on (A3)		Salt Crust	(B11)				Drain	nage Patterns (B10)		
Water M	larks (B1)		Aquatic Inv	/ertebra	tes (B13)			Dry-S	Season Water Table (C2)		
Sedimer	nt Deposits (B2)		Hydrogen	Sulfide (Odor (C1)			Satur	ration Visible on Aerial Imagery (C9)		
Drift Dep	posits (B3)		Oxidized R	hizosph	eres on L	iving R	oots (C3)	Geon	morphic Position (D2)		
Algal Ma	at or Crust (B4)		Presence of	of Reduc	ced Iron (C4)		Shall	ow Aquitard (D3)		
	oosits (B5)		Recent Iro	n Reduc	tion in Til	led Soil	ls (C6)	FAC-	Neutral Test (D5)		
	Soil Cracks (B6)		Stunted or			(D1) (L l	RR A)		ed Ant Mounds (D6) (LRR A)		
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks)							Frost	-Heave Hummocks (D7)			
Sparsely	/ Vegetated Conca	ve Surface (B	8)								
Field Obser	vations:										
Surface Wat		Yes			nches): _						
Water Table		Yes			nches):		1 ,				
Saturation P		Yes	No	Depth (i	nches):		Wetlan	a Hydrolog	gy Present? Yes No _X		
(includes cap		m aa	sitoring	nb-+-	nec d	in	tions\ if =:	ailah!a			
Describe Re	corded Data (strea	m gauge, mor	illoring well, aerial	pnotos	, previous	inspec	cuons), if ava	allable:			
Remarks:											
nemarks.											

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Project/Site: Post Creek Hill - US 93		City/Cou	nty: Lake		Sampling Date:	8-8-2024
Applicant/Owner: MDT			-	State: MT	Sampling Point:	UDP 16-24
Investigator(s): B.Cline, F.Doty		Section, T	ownship, Rar	nge: S13 T19N R20W		
Landform (hillside, terrace, etc.): field		 Local relief (co	oncave, conv	ex, none): convex	Slor	oe (%): 5-10
Subregion (LRR/MLRA): LRR E, MLRA 44A	Lat:	47.41250)7 L	ong: -114.096371	 Datum:	NAD93
Soil Map Unit Name: Irvine silty clay, 8 to 15 percen					ication: none	-
Are climatic / hydrologic conditions on the site typica	al for this time o	f year?	Yes X	No (If no, exp	lain in Remarks.)	
Are Vegetation , Soil , or Hydrology	significantly					0
Are Vegetation , Soil , or Hydrology				olain any answers in Rer		
SUMMARY OF FINDINGS – Attach site						tures, etc.
Hydrophytic Vegetation Present? Yes	No_X	Is the	Sampled A	rea		
Hydric Soil Present? Yes	No X		n a Wetland?		No X	
Wetland Hydrology Present? Yes	No X					
VEGETATION – Use scientific names of	f plants.					
Trace Charles (Diet size) 201	Absolute	Dominant	Indicator	Daminanaa Taat wan	leaba ate	
<u>Tree Stratum</u> (Plot size: 30') 1.	% Cover	Species?	Status	Dominance Test wor		
2.				Number of Dominant S Are OBL, FACW, or F.	•	2 (A)
3.				Total Number of Domi		``
4.				Across All Strata:	· <u>—</u>	4 (B)
Combined Charak Charkers (Dick size) 201		=Total Cover		Percent of Dominant S	•	0.00/ (A/D)
Sapling/Shrub Stratum (Plot size: 30'	_)			Are OBL, FACW, or F.	AC: 50	0.0% (A/B)
2.				Prevalence Index wo	rksheet:	
3.				Total % Cover of	: Multiply	/ by:
4.				OBL species 0	x 1 =	0
5				FACW species 0	x 2 =	0
		=Total Cover		FAC species 50		150
Herb Stratum (Plot size: 30') 1. Plantago patagonica	25	Yes	UPL	FACU species 0		<u>0</u> 225
Flantago paragonica Elymus trachycaulus	20	Yes	FAC	Column Totals: 9		375 (B)
3. Bromus tectorum	20	Yes	UPL	Prevalence Index	· /	``
4. Poa pratensis	20	Yes	FAC			
5. Alopecurus pratensis	10	No	FAC	Hydrophytic Vegetati	on Indicators:	
6					Hydrophytic Veget	ation
7.				2 - Dominance Te		
8.				3 - Prevalence Inc		
9					Adaptations ¹ (Provid s or on a separate	
11.				5 - Wetland Non-\	•	
··· <u> </u>	95	=Total Cover			ophytic Vegetation ¹	(Explain)
Woody Vine Stratum (Plot size: 30')			¹ Indicators of hydric so		,
1				be present, unless dis	urbed or problema	tic.
2		T-4-1 C		Hydrophytic		
% Bare Ground in Herb Stratum		=Total Cover		Vegetation Present? Yes	No X	
Remarks:						

SOIL Sampling Point: UDP 16-24

Profile Desc	cription: (Descri	be to the depti	needed to docu	ıment tl	he indica	tor or o	confirm the	absence o	f indicators.)		
Depth	Matri	x	Redo	x Featur	es						
(inches)	Color (moist) %	Color (moist)	%	Type ¹	Loc ²	Tex	ture		Remarks	
0-4	10YR 3/2	100					Loamy/	Clayey	roc	ots present	
4-16	10YR 3/3	100					Loamy	Clayey	C	ompacted	
							-				
-	·										
_											
	<u> </u>										
¹ Type: C=C	oncentration, D=[Depletion, RM=F	Reduced Matrix, C	S=Cove	ered or Co	ated S	and Grains.	² Loca	tion: PL=Pore I	Lining, M=N	/latrix.
	Indicators: (App								s for Problema		
Histosol			Sandy Gle						Muck (A10) (LF	-	
	pipedon (A2)		Sandy Red	-					/langanese Mas		LRR D)
	istic (A3)		Stripped M						Parent Material		·
Hydroge	en Sulfide (A4)		Loamy Mu	cky Min	eral (F1) (except	t MLRA 1)	Very	Shallow Dark Si	urface (F22)
1 cm Mu	uck (A9) (LRR D,	G)	Loamy Gle	yed Ma	trix (F2)			Other	(Explain in Rer	narks)	
Deplete	d Below Dark Sur	face (A11)	Depleted N	∕latrix (F	3)						
Thick Da	ark Surface (A12)		Redox Dar	k Surfac	ce (F6)			³ Indicators	s of hydrophytic	vegetation	and
Sandy N	Mucky Mineral (S1)	Depleted D	Oark Sur	face (F7)			wetla	nd hydrology mi	ust be pres	ent,
2.5 cm l	Mucky Peat or Pe	at (S2) (LRR G)	Redox Dep	oression	s (F8)			unles	s disturbed or p	roblematic.	
Restrictive	Layer (if observe	ed):									
Type:			<u></u>								
Depth (i	nches):		<u> </u>				Hydric So	oil Present	? \	Yes	No X
Remarks:											
HYDROLC	OGY										
Wetland Hy	drology Indicato	rs:									
_	cators (minimum		ed; check all that a	apply)				Secondar	y Indicators (2 d	or more req	uired)
Surface	Water (A1)		Water-Stai	ned Lea	aves (B9)	(excep	t	Water	r-Stained Leave	es (B9) (ML	RA 1, 2
High Wa	ater Table (A2)		MLRA	1, 2, 4A,	, and 4B)			<u></u>	, and 4B)		
Saturation	on (A3)		Salt Crust	(B11)				Draina	age Patterns (B	10)	
Water M	/larks (B1)		Aquatic Inv	/ertebra	tes (B13)			Dry-S	eason Water Ta	able (C2)	
Sedime	nt Deposits (B2)		Hydrogen	Sulfide (Odor (C1)			Satur	ation Visible on	Aerial Imag	gery (C9)
Drift Dep	posits (B3)		Oxidized R			-	toots (C3)	Geom	norphic Position	(D2)	
	at or Crust (B4)		Presence of	of Redu	ced Iron (C4)		Shallo	ow Aquitard (D3	5)	
	posits (B5)		Recent Iro				` ,		Neutral Test (D	-	
	Soil Cracks (B6)		Stunted or			(D1) (L l	RR A)		d Ant Mounds (4)
	on Visible on Aeri			lain in F	Remarks)			Frost-	Heave Hummo	cks (D7)	
Sparsely	y Vegetated Cond	ave Surface (B	3)								
Field Obser											
Surface Wat		Yes			inches): _						
Water Table		Yes			inches):						
Saturation P		Yes	No	Depth (inches):		Wetlan	d Hydrolog	y Present?	Yes	No X
	pillary fringe)		ماسمم المستسمان				-4:\	-: - - -			
Describe Re	ecorded Data (stre	am gauge, mor	mornig well, aeria	priotos	, previous	mspec	nons), ii ava	anable:			
Remarks:											
rtomarks.											

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Project/Site: Post Creek Hill - US 93		City/Cou	nty: Lake		Sampling Date:	8-8-2024
Applicant/Owner: MDT			'	State: MT	Sampling Point:	UDP 17-24
Investigator(s): B.Cline, F.Doty		Section, T	ownship, Ra	inge: S23 T19N R20W		
Landform (hillside, terrace, etc.): field		 Local relief (co	oncave, conv	/ex, none): convex	Slop	oe (%): 0-5
Subregion (LRR/MLRA): LRR E, MLRA 44A	Lat:	47.38844	1	 Long: -114.097137	Datum:	NAD93
Soil Map Unit Name: Colake silt loam, drained, 0 to					fication: none	
Are climatic / hydrologic conditions on the site typica	al for this time o	f year?	Yes X	No (If no, exp	olain in Remarks.)	
Are Vegetation, Soil, or Hydrology	significantly)
Are Vegetation, Soil, or Hydrology					' <u></u> '	
SUMMARY OF FINDINGS – Attach site						ures, etc.
Hydrophytic Vegetation Present? Yes X	No	Is the	Sampled A	rea		
Hydric Soil Present? Yes	No X		n a Wetland		No X	
Wetland Hydrology Present? Yes	No X					
Remarks: VEGETATION – Use scientific names of	f planta					
VEGETATION – Use scientific flames of	Absolute	Dominant	Indicator			
Tree Stratum (Plot size: 30')	% Cover	Species?	Status	Dominance Test wor	ksheet:	
1				Number of Dominant S	•	
2.				Are OBL, FACW, or F		2 (A)
3. 4.				Total Number of Domi Across All Strata:	nant Species	2 (B)
		=Total Cover		Percent of Dominant S	Species That	
Sapling/Shrub Stratum (Plot size: 30'	_)			Are OBL, FACW, or F	AC: <u>10</u>	0.0% (A/B)
2.				Prevalence Index wo		
3.				Total % Cover of		by:
4.				OBL species 0		0
5.				FACW species 2	0 x 2 =	40
		=Total Cover		FAC species5	0 x 3 =	150
Herb Stratum (Plot size: 30')				FACU species 2		80
1. Poa pratensis	35	Yes	FAC	UPL species 1		50 (B)
Juncus balticus Lactuca serriola		Yes No	FACU FACU	Column Totals: 10 Prevalence Index	` '	320 (B)
Cirsium arvense	15	No	FAC	Flevalence index	- B/A - 3.20	<u> </u>
5. Hieracium caespitosum	10	No	UPL	Hydrophytic Vegetati	ion Indicators:	
6. Verbascum thapsus	5	No	FACU		Hydrophytic Vegeta	ation
7.				X 2 - Dominance Te	st is >50%	
8.				3 - Prevalence Inc	lex is ≤3.0 ¹	
9					Adaptations ¹ (Provid	
10					s or on a separate	sheet)
11				5 - Wetland Non-\		
Mandy Vina Stratum (District	100	=Total Cover		l 	ophytic Vegetation ¹	,
Woody Vine Stratum (Plot size: 30')			¹ Indicators of hydric so be present, unless dis		
2.				Hydrophytic		
% Bare Ground in Herb Stratum		=Total Cover		Vegetation Present? Yes	X No	
Remarks:						

SOIL Sampling Point: UDP 17-24

Profile Des	cription: (Descr	ibe to the depth	needed to docu	ıment tl	ne indica	tor or c	confirm the	absence of	findicators.)		
Depth	Matr	ix	Redo	x Featur	es						
(inches)	Color (moist) %	Color (moist)	%	Type ¹	Loc ²	Tex	ture	Re	emarks	
0-5	10YR 2/2	100					Loamy	/Clayey	roots	s present	
5-18	10YR 3/2	100					Loamy	/Clavev			
							-	 -			
							-				
¹ Type: C=C	oncentration, D=I	Depletion, RM=F	Reduced Matrix, C	S=Cove	ered or Co	ated S	and Grains.	² Locat	ion: PL=Pore Li	ning, M=Ma	atrix.
			RRs, unless othe						for Problemati		
Histosol			Sandy Gle						Muck (A10) (LRR	-	
	pipedon (A2)		Sandy Red	-					langanese Masse		.RR D)
Black H	istic (A3)		Stripped M	latrix (S	3)			Red P	arent Material (F	21)	-
Hydroge	en Sulfide (A4)		Loamy Mu	cky Min	eral (F1) (except	MLRA 1)	Very S	Shallow Dark Sur	face (F22)	
1 cm Mu	uck (A9) (LRR D,	G)	Loamy Gle	yed Ma	trix (F2)			Other	(Explain in Rema	arks)	
Deplete	d Below Dark Sur	face (A11)	Depleted N	∕latrix (F	3)						
Thick Da	ark Surface (A12))	Redox Dar	k Surfac	ce (F6)			³ Indicators	of hydrophytic v	egetation a	and
Sandy N	Mucky Mineral (S1	1)	Depleted D	Oark Sur	face (F7)			wetlan	d hydrology mus	t be prese	nt,
2.5 cm I	Mucky Peat or Pe	at (S2) (LRR G)	Redox Dep	oression	s (F8)			unless	disturbed or pro	blematic.	
Restrictive	Layer (if observe	ed):									
Type:			<u> </u>								
Depth (i	nches):		_				Hydric So	oil Present?	Ye	s	No X
Remarks:											
HYDROLC	OGY										
Wetland Hy	drology Indicate	ors:									
Primary Indi	cators (minimum	of one is require	ed; check all that a	apply)				Secondary	/ Indicators (2 or	more requ	ired)
Surface	Water (A1)		Water-Stai	ned Lea	ives (B9)	(excep	t	Water	-Stained Leaves	(B9) (MLR	A 1, 2
	ater Table (A2)				and 4B)				, and 4B)		
Saturati	` '		Salt Crust						ige Patterns (B10	•	
	/larks (B1)		Aquatic Inv						eason Water Tab		
	nt Deposits (B2)		Hydrogen		, ,		. (00)		ation Visible on A	_	ery (C9)
	posits (B3)		Oxidized R			-	oots (C3)		orphic Position (I	J2)	
	at or Crust (B4)		Presence of				I- (OC)		w Aquitard (D3)		
	oosits (B5) Soil Cracks (B6)		Recent Iro Stunted or				` '		leutral Test (D5) d Ant Mounds (D	6) (I DD A)	
	on Visible on Aer	ial Imagery (R7)				(D1) (L 1	NN A)		Heave Hummock)
	y Vegetated Cond			nann in r	(Ciliality)				ricave riammocr	(3 (D1)	
Field Obser	•	(20,000)									
Surface Wat		Yes	No	Denth (i	inches):						
Water Table		Yes			nches):						
Saturation P		Yes		Depth (i	_		Wetlan	d Hydroloa	y Present? Ye	s	No X
(includes ca	pillary fringe)				′ =			, ,	•		
		eam gauge, mon	nitoring well, aeria	l photos	, previous	inspec	tions), if ava	ailable:			
Remarks:											

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Project/Site: Post Creek Hill - US 93		City/Cou	nty: Lake		Sampling Date:	8-8-2024
Applicant/Owner: MDT			-	State: MT	Sampling Point:	UDP 18-24
Investigator(s): B.Cline, F.Doty		Section, 7	Гownship, Ran	nge: S23 T19N R20W		
Landform (hillside, terrace, etc.): riparian forest		 Local relief (c	oncave, conve	ex, none): convex	Slo	pe (%): 0-5
Subregion (LRR/MLRA): LRR E, MLRA 44A	Lat:	47.39210)8 Lo	ong: -114.099675	Datum:	NAD93
Soil Map Unit Name: Lamoose loam, 0 to 2 percent sl	_				fication: PSS1C	
Are climatic / hydrologic conditions on the site typical f	or this time o	f year?	Yes X	No (If no, exp	olain in Remarks.)	
Are Vegetation, Soil, or Hydrology				ircumstances" present?		0
Are Vegetation, Soil, or Hydrology				lain any answers in Rei		
SUMMARY OF FINDINGS – Attach site m	•		•	•	,	tures, etc.
		- 		<u> </u>		
	lo X lo X		e Sampled Ar in a Wetland?		No_X	
<u></u>	lo X	With	ii a vvetialiu:	163	140 <u>X</u>	
Remarks:						
Tomano.						
VEGETATION – Use scientific names of p	olants.					
-	Absolute	Dominant	Indicator			
Tree Stratum (Plot size: 30')	% Cover	Species?	Status	Dominance Test wor	ksheet:	
Populus tremuloides Juniperus scopulorum	45 15	Yes Yes	FACU UPL	Number of Dominant	•	2 (A)
3.		res	UPL	Are OBL, FACW, or F		2 (A)
4.	· 			Total Number of Domi Across All Strata:	nant Species	6 (B)
	60	=Total Cover		Percent of Dominant S		`
Sapling/Shrub Stratum (Plot size: 30')			Are OBL, FACW, or F	•	3.3% (A/B)
Symphoricarpos albus	25	Yes	FACU			
2. Sorbus scopulina	10	Yes	FACU	Prevalence Index wo		
3.				Total % Cover of		
4.				OBL species (0
5	35	=Total Cover		· —	0 x 2 = 5 x 3 =	75
Herb Stratum (Plot size: 30')		- Total Govel		FACU species 8		340
1. Poa pratensis	20	Yes	FAC			75
2. Phalaris arundinacea	10	Yes	FACW	Column Totals: 13	35 (A)	510 (B)
3. Equisetum arvense	5	No	FAC	Prevalence Index	= B/A = 3.78	8
4. Taraxacum officinale	5	No	FACU			
5				Hydrophytic Vegetat		
6				1 - Rapid Test for 2 - Dominance Te	Hydrophytic Veget	ation
0				3 - Prevalence Inc		
9.					Adaptations ¹ (Provi	de supportina
10.					s or on a separate	
11.				5 - Wetland Non-	/ascular Plants ¹	
	40	=Total Cover		Problematic Hydro	ophytic Vegetation ¹	(Explain)
Woody Vine Stratum (Plot size: 30')			¹ Indicators of hydric so		
1.				be present, unless dis	turbed or problema	ıtic.
2		=Total Cover		Hydrophytic		
% Bare Ground in Herb Stratum		- Fotal Cover		Vegetation Present? Yes	No X	
					<u>x</u>	
Remarks:						

SOIL Sampling Point: UDP 18-24

	ription: (Describe	to the depth				tor or c	confirm the	absence o	f indicators.)	
Depth	Matrix			Featur		. 2	_				
(inches)	Color (moist)	<u> %</u>	Color (moist)	%	Type ¹	Loc ²	Tex			Remarks	
0-8	10YR 3/3	100					Loamy	/Clayey		roots present	
8-16	10YR 3/3	100	_				Loamy	/Clayey			
		· -									
							-				
	•										
1 _{Type:} C=C	oncentration, D=Dep	lotion DM-F	Poduood Matrix C		rod or Co	noted S	and Crains	² l 0001	tion: DI -Dor	e Lining, M=W	lotriy
	ndicators: (Applica					Jaleu S	anu Granis.			natic Hydric \$	
Histosol		ible to all Lr	Sandy Gley						Muck (A10) (I	-	ouis .
	pipedon (A2)		Sandy Red							asses (F12) (I	RR D)
Black Hi			Stripped Ma						arent Materia		
	n Sulfide (A4)		Loamy Muc	`	,	(except	MLRA 1)			Surface (F22))
	ck (A9) (LRR D, G)		Loamy Gle	•	, ,	(CACC)	,		(Explain in R	` '	
	Below Dark Surface	e (A11)	Depleted M						(,	
	rk Surface (A12)	,	Redox Darl		•			³ Indicators	of hydrophy	tic vegetation	and
Sandy M	lucky Mineral (S1)		Depleted D	ark Sur	face (F7)					must be prese	
2.5 cm N	lucky Peat or Peat (S2) (LRR G)	Redox Dep	ression	s (F8)			unless	s disturbed or	problematic.	
Restrictive I	_ayer (if observed):		<u> </u>								
Type:											
Depth (ir	nches):		_				Hydric S	oil Present	?	Yes	No X
Remarks:	·		<u> </u>							<u> </u>	
HYDROLO	GY										
Wetland Hyd	drology Indicators:										
-	cators (minimum of c	ne is require							•	2 or more requ	
	Water (A1)		Water-Stair		, ,		t			ves (B9) (MLF	RA 1, 2
	ter Table (A2)				and 4B)				, and 4B)		
Saturatio	` '		Salt Crust ((5.40)				age Patterns	. ,	
	arks (B1)		Aquatic Inv		, ,				eason Water		(00)
	t Deposits (B2) osits (B3)		Hydrogen S Oxidized R		, ,		ooto (C2)		ation visible o orphic Position	on Aerial Imag	ery (C9)
	t or Crust (B4)		Presence of			_	0015 (03)		w Aquitard ([
	osits (B5)		Recent Iron				ls (C6)		w Aquitaid (t Neutral Test (-	
	Soil Cracks (B6)		Stunted or				` '			s (D6) (LRR A)
	on Visible on Aerial I	magery (B7)				(= .) (=.	,		Heave Humn	. , .	,
	Vegetated Concave				,					,	
Field Obser	vations:										
Surface Wat		es	No I	Depth (i	inches):						
Water Table		es			nches):						
Saturation P	resent? Ye	es			nches):		Wetlan	d Hydrolog	y Present?	Yes	No X
(includes cap	oillary fringe)										
Describe Re	corded Data (stream	gauge, mon	itoring well, aerial	photos	, previous	sinspec	tions), if ava	ailable:			
Remarks:											

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Project/Site: Post Creek Hill - US 93		City/Cou	nty: Lake		Sampling Date:	8-8-2024
Applicant/Owner: MDT			'	State: MT	Sampling Point:	UDP 19-24
Investigator(s): B.Cline, F.Doty		Section, T	ownship, Ra	inge: S23 T19N R20W		
Landform (hillside, terrace, etc.): riparian field		 Local relief (co	oncave, conv	vex, none): flat	Slop	oe (%): _ 0-5
Subregion (LRR/MLRA): LRR E, MLRA 44A	Lat:	47.39072	4	 Long: -114.099426	Datum:	NAD93
Soil Map Unit Name: Bohnly silt loam, 0 to 2 percer					ication: none	
Are climatic / hydrologic conditions on the site typica	al for this time o	f year?	Yes X	No (If no, exp	olain in Remarks.)	
Are Vegetation, Soil, or Hydrology	significantly)
Are Vegetation , Soil , or Hydrology						
SUMMARY OF FINDINGS – Attach site						ures, etc.
Hydrophytic Vegetation Present? Yes X	No	Is the	Sampled A	rea		
Hydric Soil Present? Yes	No X		n a Wetland		No X	
Wetland Hydrology Present? Yes	No X					
Remarks: VEGETATION – Use scientific names o	f plants.					
	Absolute	Dominant	Indicator			
Tree Stratum (Plot size: 30')	% Cover	Species?	Status	Dominance Test wor		
1				Number of Dominant S Are OBL, FACW, or F.	•	2 (A)
2. 3.				Total Number of Domi		(/1)
4.				Across All Strata:	mant opecies	2 (B)
		=Total Cover		Percent of Dominant S	Species That	
Sapling/Shrub Stratum (Plot size: 30')			Are OBL, FACW, or F.	AC: <u>10</u>	0.0% (A/B)
1.				Duninglan as Inday wa	ulcala a ati	
2. 3.				Prevalence Index wo Total % Cover of		. hv:
1	_			OBL species 0		0
5.				FACW species 2		40
		=Total Cover		FAC species 8	0 x 3 = 2	240
Herb Stratum (Plot size: 30')				FACU species 0	x 4 =	0
1. Alopecurus pratensis	60	Yes	FAC	UPL species0		0
2. Juncus balticus		Yes	FACW	Column Totals: 10		280 (B)
3. Dipsacus fullonum		No No	FAC	Prevalence Index :	= B/A =2.80)
Cirsium arvense 5.	5	<u>No</u>	FAC	Hydrophytic Vegetati	ion Indicators:	
6	_				Hydrophytic Vegeta	ation
7.				X 2 - Dominance Te		
8.				3 - Prevalence Inc		
9.				4 - Morphological	Adaptations ¹ (Provid	de supporting
10				data in Remark	s or on a separate	sheet)
11				5 - Wetland Non-\		
	100	=Total Cover		l 	ophytic Vegetation ¹	
Woody Vine Stratum (Plot size: 30')			¹ Indicators of hydric so		
1 2.				be present, unless dis	urbed or problemat	uC.
		=Total Cover		Hydrophytic Vegetation		
% Bare Ground in Herb Stratum				_	X No	_
Remarks:						

SOIL Sampling Point: UDP 19-24

Profile Desc	cription: (Descr	ibe to the depth	needed to docu	ıment tl	ne indica	tor or c	confirm the	absence of	findicators.)	
Depth	Matr	ix	Redo	x Featur	es					
(inches)	Color (moist) %	Color (moist)	%	Type ¹	Loc ²	Tex	ture	Ren	narks
0-5	10YR 3/1	100					Loamy	/Clayey	roots	present
5-18	10YR 3/2	100					Loamy	/Clavev		
-							-	 -		
¹ Type: C=C	oncentration D=I	Depletion RM=F	Reduced Matrix, C	S=Cove	ered or Co	nated S	and Grains	² l ocat	ion: PL=Pore Lini	ng M=Matrix
			RRs, unless othe			Jatou C	ana Oramo.		for Problematic	
Histosol			Sandy Gle						Muck (A10) (LRR	-
	pipedon (A2)		Sandy Red	-					langanese Masses	
	istic (A3)		Stripped M						arent Material (F2	
	en Sulfide (A4)		Loamy Mu	`	,	except	MLRA 1)		Shallow Dark Surfa	,
	uck (A9) (LRR D,	G)	Loamy Gle	•	, ,		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		(Explain in Remar	
	d Below Dark Sur	•	Depleted N	-					(· /
	ark Surface (A12)	,	Redox Dar		•			³ Indicators	of hydrophytic veg	getation and
	Mucky Mineral (S1		Depleted D		` '				d hydrology must	•
	Mucky Peat or Pe	,			, ,				disturbed or probl	
	Layer (if observe	, , , , ,	<u> </u>		,				<u> </u>	
Type:	Layer (ii observe	,u,.								
Depth (i	nches):						Hydric Sc	oil Present?	Yes	No X
Remarks:							,			<u>~</u>
Nemaiks.										
HYDROLO)GV									
_	drology Indicato		ala ala ala all'Ala A	I>				0		
-	=	of one is require	ed; check all that a		(DO)	/		-	/ Indicators (2 or m	
	Water (A1)		Water-Stai		` '	(excep	τ		-Stained Leaves (E	39) (MLRA 1, 2
	ater Table (A2)				and 4B)				, and 4B)	
Saturation	` '		Salt Crust Aquatic Inv		too (P12)				nge Patterns (B10) eason Water Table	
	Marks (B1) nt Deposits (B2)		Hydrogen						ation Visible on Aei	
	posits (B3)		Oxidized R		, ,		oots (C3)		orphic Position (D2	• • • •
	at or Crust (B4)		Presence			-	0010 (00)		w Aquitard (D3)	-/
	posits (B5)		Recent Iro				ls (C6)		Neutral Test (D5)	
	Soil Cracks (B6)		Stunted or				` '		d Ant Mounds (D6)) (LRR A)
	on Visible on Aer	ial Imagery (B7)				(= .) (=.	,		Heave Hummocks	
	y Vegetated Cond				,					(= ·)
Field Obser	•		,				1			
Surface Wat		Yes	No	Denth (i	inches):					
Water Table		Yes			nches):					
Saturation P		Yes		Depth (i	_		Wetlan	d Hydrolog	y Present? Yes	No X
	pillary fringe)				_			,	,	
		am gauge, mon	nitoring well, aeria	l photos	, previous	inspec	tions), if ava	ailable:		
	,			-	-	•	• •			
Remarks:										

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Project/Site: Post Creek Hill - US 93		City/Cou	nty: <u>Lake</u>		Sampling Date:	9-16-2024
Applicant/Owner: MDT			'-	State: MT	Sampling Point:	UDP 20-24
Investigator(s): B.Cline, F.Doty		Section, T	ownship, Ra	inge: S25 T19N R20W		
Landform (hillside, terrace, etc.): field		Local relief (co	oncave, conv	/ex, none): flat	Slop	oe (%): 0-5
Subregion (LRR/MLRA): LRR E, MLRA 44A	Lat:	47.38013	8	Long: <u>-114.096498</u>	Datum:	NAD83
Soil Map Unit Name: Ronan silty clay loam, 2 to 4 pe	rcent slopes			NWI classif	ication: none	
Are climatic / hydrologic conditions on the site typical	for this time o	f year?	Yes X	No (If no, exp	lain in Remarks.)	
Are Vegetation, Soil, or Hydrology	_significantly	disturbed? A	re "Normal (Circumstances" present?	Yes X No	o
Are Vegetation, Soil, or Hydrology	naturally prol	blematic? (If needed, ex	xplain any answers in Rer	marks.)	
SUMMARY OF FINDINGS – Attach site m	- nap showin	ng samplin	g point lo	cations, transects,	important feat	ures, etc.
Hydrophytic Vegetation Present? Yes X	No	Is the	Sampled A	rea		
	No X		n a Wetland		No X	
Wetland Hydrology Present? Yes I	No X				<u> </u>	
Remarks:						
VEGETATION – Use scientific names of	-					
Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test wor	ksheet:	
1.	70 00101	ороског.	Otatao	Number of Dominant S		
2.				Are OBL, FACW, or F	•	1 (A)
3.				Total Number of Domi	nant Species	
4				Across All Strata:		1 (B)
Carding/Charle Charles (District)		=Total Cover		Percent of Dominant S	•	0.00/ (A/D)
Sapling/Shrub Stratum (Plot size: 30'	_)			Are OBL, FACW, or F	AC: <u>10</u>	0.0% (A/B)
2.				Prevalence Index wo	rksheet:	
3.				Total % Cover of:	: Multiply	by:
4.				OBL species 0	x 1 =	0
5				· · ·	x 2 =	0
		=Total Cover		FAC species 70		210
Herb Stratum (Plot size: 30')	60	Yes	FAC	FACU species 20 UPL species 0		0
Poa pratensis Taraxacum officinale	10	No	FACU	Column Totals: 90		290 (B)
3. Barbarea vulgaris	10	No	FAC	Prevalence Index :	`´	
4. Lactuca serriola	10	No	FACU			
5.				Hydrophytic Vegetati	on Indicators:	
6					Hydrophytic Vegeta	ation
7				X 2 - Dominance Te		
8				3 - Prevalence Ind		
9.					Adaptations ¹ (Provides or on a separate s	
10			-	5 - Wetland Non-\	•	on loon)
'': <u></u>	90	=Total Cover			ophytic Vegetation ¹	(Explain)
Woody Vine Stratum (Plot size: 30')			¹ Indicators of hydric so		,
1.				be present, unless dist		
2.				Hydrophytic		
		=Total Cover		Vegetation		
% Bare Ground in Herb Stratum				Present? Yes	X No	_
Remarks:						

SOIL Sampling Point: UDP 20-24

Profile Desc	cription: (Describe	e to the dept	h needed to docu	ıment tl	ne indica	tor or c	confirm the	absence o	of indicators.)
Depth	Matrix		Redo	x Featur	es				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Tex	ture	Remarks
0-6	10YR 3/1	100					Loamy/	Clayey	roots present; 20% gravels
6-16	10YR 3/2	100					Loamy/	Clayey	20% gravels
16-18	10YR 7/1	50					Loamy/	Clayey	50% 7.5YR 5/3
	-								
							-		
	-								
	-								
	oncentration, D=De					ated S	and Grains.	² Loca	ation: PL=Pore Lining, M=Matrix.
Hydric Soil	Indicators: (Applic	able to all L	RRs, unless othe	rwise n	oted.)			Indicator	s for Problematic Hydric Soils ³ :
Histosol			Sandy Gle						Muck (A10) (LRR A, E)
	oipedon (A2)		Sandy Red						Manganese Masses (F12) (LRR D)
	stic (A3)		Stripped M	,	,				Parent Material (F21)
	n Sulfide (A4)		Loamy Mu	-		except	MLRA 1)		Shallow Dark Surface (F22)
	ıck (A9) (LRR D, G		Loamy Gle	-				Other	r (Explain in Remarks)
	d Below Dark Surfa	ce (A11)	Depleted N					31	a af budua ubudia ua makakia ua anad
-	ark Surface (A12) Mucky Mineral (S1)		Redox Dar Depleted D		, ,				s of hydrophytic vegetation and nd hydrology must be present,
	Mucky Milleral (31) Mucky Peat or Peat	(S2) (I PP G			, ,				es disturbed or problematic.
			,Redox Dep	716331011	3 (1 0)			unies	is disturbed or problematic.
	Layer (if observed):							
Type: Depth (ii	nchos):		_				Hydric S	oil Present	? Yes No X
. `						ļ	nyunc 30	JII FIESEIII	.: 1esNO
Remarks:	atrix below threshold	l for hydric so	all indicators						
Depleted Illa	itiix below tillesiloit	i for flydric sc	il ilidicators						
HYDROLO	acv								
_	drology Indicators								
-	cators (minimum of	one is require			(DO)	/			ry Indicators (2 or more required)
	Water (A1)		Water-Stai		` '	(excep	τ		er-Stained Leaves (B9) (MLRA 1, 2
Saturation	ater Table (A2)		Salt Crust		and 4B)				A, and 4B) age Patterns (B10)
	larks (B1)		Aquatic Inv	-	tes (B13)				Season Water Table (C2)
	nt Deposits (B2)		Hydrogen						ration Visible on Aerial Imagery (C9)
	posits (B3)		Oxidized R				oots (C3)		norphic Position (D2)
	at or Crust (B4)		Presence of			_	()		ow Aquitard (D3)
	oosits (B5)		Recent Iro		,	,	ls (C6)		Neutral Test (D5)
Surface	Soil Cracks (B6)		Stunted or	Stresse	d Plants	(D1) (L l	RR A)	Raise	ed Ant Mounds (D6) (LRR A)
Inundati	on Visible on Aerial	Imagery (B7	Other (Exp	lain in F	Remarks)			Frost	-Heave Hummocks (D7)
Sparsely	/ Vegetated Concav	/e Surface (B	8)					·——	
Field Obser	vations:								
Surface Wat	er Present?	'es	No	Depth (i	inches):				
Water Table	Present?	'es	No	Depth (i	nches):				
Saturation P	resent?	'es	No	Depth (i	nches):		Wetlan	d Hydrolog	gy Present? Yes No _X
(includes ca									
Describe Re	corded Data (strea	m gauge, moi	nitoring well, aerial	photos	, previous	inspec	tions), if ava	ailable:	
D									
Remarks: Water table	present at 16" - bel	nw threshold	for hydrology india	ator					
vvalei labie	prosentatio - Del	ow unesnolu	ioi riyarology irialo	ator.					

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Project/Site: Post Creek Hill - US 93	City/Cou	nty: Lake		Sampling Date:	9-16-2024
Applicant/Owner: MDT	-		State: MT	Sampling Point:	UDP 21-24
Investigator(s): B.Cline, F.Doty	Section, T	ownship, Range	e: S25 T19N R20W		
Landform (hillside, terrace, etc.): field	Local relief (co	oncave, convex,	none): flat	Slo	pe (%): 0-5
Subregion (LRR/MLRA): LRR E, MLRA 44A La	 at: 47.38103	30 Lon	g: -114.096396	Datum:	NAD83
Soil Map Unit Name: Ronan silty clay loam, 2 to 4 percent s				fication: none	
Are climatic / hydrologic conditions on the site typical for this	s time of year?	Yes X	No (If no, exp	olain in Remarks.)	
Are Vegetation , Soil , or Hydrology signif	•	Are "Normal Circ		-	
Are Vegetation , Soil , or Hydrology natur					
SUMMARY OF FINDINGS – Attach site map s					atures, etc.
Hydrophytic Vegetation Present? Yes No >	\ Is the	Sampled Area			
Hydric Soil Present? Yes No		n a Wetland?	Yes	No X	
Wetland Hydrology Present? Yes No	<				
Remarks:					
VEGETATION – Use scientific names of plant	ts.				
	osolute Dominant	Indicator			,
`	Cover Species?		Dominance Test wor		
1			Number of Dominant S Are OBL, FACW, or F	•	0 (A)
3.			Total Number of Domi	-	(/ 1/
4.			Across All Strata:	——————————————————————————————————————	2 (B)
_	=Total Cover	F	Percent of Dominant S	Species That	
Sapling/Shrub Stratum (Plot size: 30')		A	Are OBL, FACW, or F	AC:	0.0% (A/B)
1		—— <u> </u>	Prevalence Index wo		
3		'	Total % Cover of		ly by
		_	OBL species 0		0
5.) x 2 =	0
	=Total Cover	F	AC species 1	5 x 3 =	45
Herb Stratum (Plot size: 30')			ACU species 3		120
Thinopyrum intermedium	40 Yes	UPL l	JPL species 5	5 x 5 =	275
2. Lactuca serriola	30 Yes		Column Totals: 10		440 (B)
3. Lepidium campestre	15 No	UPL	Prevalence Index	= B/A =4.4	.0
4. Alopecurus pratensis	15 No	FAC .	h l		
5		—— I '	Hydrophytic Vegetati 1 - Rapid Test for		tation
			2 - Dominance Te		lalion
7. 8.			3 - Prevalence Inc		
9.			4 - Morphological		ide supporting
10.				s or on a separate	
11			5 - Wetland Non-\	/ascular Plants ¹	
	100 =Total Cover		Problematic Hydro	ophytic Vegetation	¹ (Explain)
Woody Vine Stratum (Plot size: 30')			Indicators of hydric so		
1			e present, unless dis	turbea or problema	auc.
	=Total Cover		lydrophytic		
% Bare Ground in Herb Stratum	. 5121 00101		/egetation Present? Yes	No _X	•
Remarks:		•			

SOIL Sampling Point: UDP 21-24

Depth Matrix					ommin the	absence of i	nuicators.)
	Redox F			. 2			
(inches) Color (moist) %	Color (moist)	%	Type ¹	Loc ²	Text		Remarks
0-4 10YR 3/2 100					Loamy/	Clayey	roots present
4-16 10YR 3/2 100					Loamy/	Clayey	
	 -						
							
¹ Type: C=Concentration, D=Depletion, RM=R				oated Sa	and Grains.		n: PL=Pore Lining, M=Matrix.
Hydric Soil Indicators: (Applicable to all LR							for Problematic Hydric Soils ³ :
Histosol (A1)	Sandy Gleye		(S4)				uck (A10) (LRR A, E)
Histic Epipedon (A2)	Sandy Redox						nganese Masses (F12) (LRR D)
Black Histic (A3)	Stripped Mat	` '	-1 (54)	·	MI DA 4\		rent Material (F21)
Hydrogen Sulfide (A4)	Loamy Muck	-		except	WLRA 1)		allow Dark Surface (F22)
1 cm Muck (A9) (LRR D, G)	Loamy Gleye					Other (E	Explain in Remarks)
Depleted Below Dark Surface (A11) Thick Dark Surface (A12)	Depleted Ma Redox Dark S					³ Indicators	of hydrophytic vegetation and
Sandy Mucky Mineral (S1)	Depleted Dai		. ,				hydrology must be present,
2.5 cm Mucky Peat or Peat (S2) (LRR G)	Redox Depre		, ,				disturbed or problematic.
Restrictive Layer (if observed):	Redex Bepre	20010110	(10)	- 1		411000 (and an expression and the second and
Type:							
Depth (inches):	_				Hydric Sc	oil Present?	Yes No X
Remarks:	_			ļ	,		
remarks.							
HYDROLOGY							
Wetland Hydrology Indicators:							
Wetland Hydrology Indicators: Primary Indicators (minimum of one is required	d; check all that ap	ply)				Secondary I	ndicators (2 or more required)
5 05	d; check all that ap		es (B9)	(excep	 		ndicators (2 or more required) Stained Leaves (B9) (MLRA 1, 2
Primary Indicators (minimum of one is require		ed Leave	. ,			Water-S	
Primary Indicators (minimum of one is required Surface Water (A1)	Water-Staine	ed Leave 2, 4A, a	. ,		<u> </u>	Water-S 4A , a Drainag	Stained Leaves (B9) (MLRA 1, 2 and 4B) e Patterns (B10)
Primary Indicators (minimum of one is required Surface Water (A1) High Water Table (A2)	Water-Staine MLRA 1, Salt Crust (B Aquatic Inver	ed Leave 2, 4A, a (11) rtebrates	nd 4B)		i	Water-S 4A, a Drainag Dry-Sea	Stained Leaves (B9) (MLRA 1, 2 and 4B) e Patterns (B10) sson Water Table (C2)
Primary Indicators (minimum of one is required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2)	Water-Staine MLRA 1, Salt Crust (B Aquatic Invei	ed Leave 2, 4A, a 111) rtebrates ulfide Oc	nd 4B) s (B13) lor (C1)			Water-S 4A, a Drainag Dry-Sea Saturati	Stained Leaves (B9) (MLRA 1, 2 and 4B) e Patterns (B10) ason Water Table (C2) on Visible on Aerial Imagery (C9)
Primary Indicators (minimum of one is required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3)	Water-Staine MLRA 1, Salt Crust (B Aquatic Inver Hydrogen Su Oxidized Rhi	ed Leave 2, 4A, a 111) rtebrate: ulfide Od zospher	nd 4B) s (B13) lor (C1) res on L	iving R		Water-S 4A, a Drainag Dry-Sea Saturati Geomo	Stained Leaves (B9) (MLRA 1, 2 and 4B) e Patterns (B10) ason Water Table (C2) on Visible on Aerial Imagery (C9) rphic Position (D2)
Primary Indicators (minimum of one is required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4)	Water-Staine MLRA 1, Salt Crust (B Aquatic Inver Hydrogen Su Oxidized Rhi Presence of	2, 4A, a 111) rtebrate ulfide Oc zospher Reduce	nd 4B) s (B13) lor (C1) res on L d Iron (iving Ro	oots (C3)	Water-S 4A, a Drainag Dry-Sea Saturati Geomol	Stained Leaves (B9) (MLRA 1, 2 and 4B) e Patterns (B10) ason Water Table (C2) on Visible on Aerial Imagery (C9) rphic Position (D2) Aquitard (D3)
Primary Indicators (minimum of one is required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5)	Water-Staine MLRA 1, Salt Crust (B Aquatic Invertigation Hydrogen Su Oxidized Rhii Presence of Recent Iron 6	ed Leave 2, 4A, a 111) rtebrates ulfide Oc zospher Reduce Reduction	nd 4B) s (B13) lor (C1) res on L d Iron (iving Ro C4) led Soil	oots (C3) s (C6)	Water-S 4A, a Drainag Dry-Sea Saturati Geomo Shallow FAC-Ne	Stained Leaves (B9) (MLRA 1, 2 and 4B) e Patterns (B10) eson Water Table (C2) on Visible on Aerial Imagery (C9) rphic Position (D2) Aquitard (D3) eutral Test (D5)
Primary Indicators (minimum of one is required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6)	Water-Staine MLRA 1, Salt Crust (B Aquatic Invertigation Hydrogen Su Oxidized Rhit Presence of Recent Iron R Stunted or St	ed Leave 2, 4A, a 111) rtebrate: ulfide Oc zospher Reduce Reduction tressed	nd 4B) s (B13) lor (C1) res on L d Iron (on in Til Plants	iving Ro C4) led Soil	oots (C3) s (C6)	Water-S 4A, a Drainag Dry-Sea Saturati Geomo Shallow FAC-Ne Raised	Stained Leaves (B9) (MLRA 1, 2 and 4B) e Patterns (B10) eson Water Table (C2) on Visible on Aerial Imagery (C9) rphic Position (D2) Aquitard (D3) eutral Test (D5) Ant Mounds (D6) (LRR A)
Primary Indicators (minimum of one is required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7)	Water-Staine MLRA 1, Salt Crust (B Aquatic Invertigation Hydrogen Su Oxidized Rhit Presence of Recent Iron F Stunted or St Other (Explain	ed Leave 2, 4A, a 111) rtebrate: ulfide Oc zospher Reduce Reduction tressed	nd 4B) s (B13) lor (C1) res on L d Iron (on in Til Plants	iving Ro C4) led Soil	oots (C3) s (C6)	Water-S 4A, a Drainag Dry-Sea Saturati Geomo Shallow FAC-Ne Raised	Stained Leaves (B9) (MLRA 1, 2 and 4B) e Patterns (B10) eson Water Table (C2) on Visible on Aerial Imagery (C9) rphic Position (D2) Aquitard (D3) eutral Test (D5)
Primary Indicators (minimum of one is required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8)	Water-Staine MLRA 1, Salt Crust (B Aquatic Invertigation Hydrogen Su Oxidized Rhit Presence of Recent Iron F Stunted or St Other (Explain	ed Leave 2, 4A, a 111) rtebrate: ulfide Oc zospher Reduce Reduction tressed	nd 4B) s (B13) lor (C1) res on L d Iron (on in Til Plants	iving Ro C4) led Soil	oots (C3) s (C6)	Water-S 4A, a Drainag Dry-Sea Saturati Geomo Shallow FAC-Ne Raised	Stained Leaves (B9) (MLRA 1, 2 and 4B) e Patterns (B10) eson Water Table (C2) on Visible on Aerial Imagery (C9) rphic Position (D2) Aquitard (D3) eutral Test (D5) Ant Mounds (D6) (LRR A)
Primary Indicators (minimum of one is required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Field Observations:	Water-Staine MLRA 1, Salt Crust (B Aquatic Invertible Hydrogen Su Oxidized Rhii Presence of Recent Iron F Stunted or St Other (Explain	ed Leave 2, 4A, a 311) rtebrater ulfide Oc zospher Reduce Reduction tressed in in Re	nd 4B) s (B13) dor (C1) res on L d Iron (on in Til Plants marks)	.iving Ro C4) Ied Soil (D1) (Li	oots (C3) s (C6)	Water-S 4A, a Drainag Dry-Sea Saturati Geomo Shallow FAC-Ne Raised	Stained Leaves (B9) (MLRA 1, 2 and 4B) e Patterns (B10) eson Water Table (C2) on Visible on Aerial Imagery (C9) rphic Position (D2) Aquitard (D3) eutral Test (D5) Ant Mounds (D6) (LRR A)
Primary Indicators (minimum of one is required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Yes	Water-Staine MLRA 1, Salt Crust (B Aquatic Invertible Hydrogen Su Oxidized Rhit Presence of Recent Iron R Stunted or St Other (Explain	ed Leave 2, 4A, a (11) rtebrate: ulfide Oc (zospher Reducte Reduction tressed in in Re	nd 4B) s (B13) lor (C1) les on L d Iron (on in Til Plants marks)	.iving Ro C4) led Soil (D1) (Li	oots (C3) s (C6)	Water-S 4A, a Drainag Dry-Sea Saturati Geomo Shallow FAC-Ne Raised	Stained Leaves (B9) (MLRA 1, 2 and 4B) e Patterns (B10) eson Water Table (C2) on Visible on Aerial Imagery (C9) rphic Position (D2) Aquitard (D3) eutral Test (D5) Ant Mounds (D6) (LRR A)
Primary Indicators (minimum of one is required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Water Table Present? Yes	Water-Staine MLRA 1, Salt Crust (B Aquatic Invertible Hydrogen Su Oxidized Rhit Presence of Recent Iron F Stunted or Si Other (Explain) No De No De	ed Leave 2, 4A, a 111) rtebrate: ulfide Oc zospher Reducte Reducte tressed in in Re	nd 4B) s (B13) lor (C1) tes on L d Iron (on in Til Plants marks) ches): _ ches): _	.iving Ro C4) led Soil (D1) (Li	oots (C3) s (C6) RR A)	Water-S 4A, a Drainag Dry-Sea Saturati Geomo Shallow FAC-Ne Raised Frost-H	Stained Leaves (B9) (MLRA 1, 2 and 4B) e Patterns (B10) eson Water Table (C2) on Visible on Aerial Imagery (C9) ephic Position (D2) Aquitard (D3) eutral Test (D5) Ant Mounds (D6) (LRR A) eave Hummocks (D7)
Primary Indicators (minimum of one is required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Yes Water Table Present? Yes Saturation Present? Yes	Water-Staine MLRA 1, Salt Crust (B Aquatic Invertible Hydrogen Suth Oxidized Rhit Presence of Recent Iron F Stunted or St Other (Explain) No De No De	ed Leave 2, 4A, a (11) rtebrate: ulfide Oc (zospher Reducte Reduction tressed in in Re	nd 4B) s (B13) lor (C1) tes on L d Iron (on in Til Plants marks) ches): _ ches): _	.iving Ro C4) led Soil (D1) (Li	oots (C3) s (C6) RR A)	Water-S 4A, a Drainag Dry-Sea Saturati Geomo Shallow FAC-Ne Raised Frost-H	Stained Leaves (B9) (MLRA 1, 2 and 4B) e Patterns (B10) eson Water Table (C2) on Visible on Aerial Imagery (C9) rphic Position (D2) Aquitard (D3) eutral Test (D5) Ant Mounds (D6) (LRR A)
Primary Indicators (minimum of one is required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Water Table Present? Yes	Water-Staine MLRA 1, Salt Crust (B Aquatic Invertible Hydrogen Su Oxidized Rhii Presence of Recent Iron F Stunted or St Other (Explain No De No De	ed Leave 2, 4A, a 311) rtebrate: ulfide Oc zospher Reduce Reduction tressed in in Re epth (ince epth (ince	nd 4B) s (B13) lor (C1) res on L d Iron (on in Til Plants marks) ches): _ ches): _ ches): _ ches): _	iving Ro C4) led Soil (D1) (Li	oots (C3) s (C6) RR A) Wetland	Water-S 4A, a Drainag Dry-Sea Saturati Geomo Shallow FAC-Ne Raised Frost-H	Stained Leaves (B9) (MLRA 1, 2 and 4B) e Patterns (B10) eson Water Table (C2) on Visible on Aerial Imagery (C9) ephic Position (D2) Aquitard (D3) eutral Test (D5) Ant Mounds (D6) (LRR A) eave Hummocks (D7)
Primary Indicators (minimum of one is required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Yes Water Table Present? Yes Saturation Present? Yes (includes capillary fringe)	Water-Staine MLRA 1, Salt Crust (B Aquatic Invertible Hydrogen Su Oxidized Rhii Presence of Recent Iron F Stunted or St Other (Explain No De No De	ed Leave 2, 4A, a 311) rtebrate: ulfide Oc zospher Reduce Reduction tressed in in Re epth (ince epth (ince	nd 4B) s (B13) lor (C1) res on L d Iron (on in Til Plants marks) ches): _ ches): _ ches): _ ches): _	iving Ro C4) led Soil (D1) (Li	oots (C3) s (C6) RR A) Wetland	Water-S 4A, a Drainag Dry-Sea Saturati Geomo Shallow FAC-Ne Raised Frost-H	Stained Leaves (B9) (MLRA 1, 2 and 4B) e Patterns (B10) eson Water Table (C2) on Visible on Aerial Imagery (C9) ephic Position (D2) Aquitard (D3) eutral Test (D5) Ant Mounds (D6) (LRR A) eave Hummocks (D7)
Primary Indicators (minimum of one is required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Yes Water Table Present? Yes Saturation Present? Yes (includes capillary fringe)	Water-Staine MLRA 1, Salt Crust (B Aquatic Invertible Hydrogen Su Oxidized Rhii Presence of Recent Iron F Stunted or St Other (Explain No De No De	ed Leave 2, 4A, a 311) rtebrate: ulfide Oc zospher Reduce Reduction tressed in in Re epth (ince epth (ince	nd 4B) s (B13) lor (C1) res on L d Iron (on in Til Plants marks) ches): _ ches): _ ches): _ ches): _	iving Ro C4) led Soil (D1) (Li	oots (C3) s (C6) RR A) Wetland	Water-S 4A, a Drainag Dry-Sea Saturati Geomo Shallow FAC-Ne Raised Frost-H	Stained Leaves (B9) (MLRA 1, 2 and 4B) e Patterns (B10) eson Water Table (C2) on Visible on Aerial Imagery (C9) ephic Position (D2) Aquitard (D3) eutral Test (D5) Ant Mounds (D6) (LRR A) eave Hummocks (D7)
Primary Indicators (minimum of one is required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Yes Water Table Present? Yes Saturation Present? Yes (includes capillary fringe) Describe Recorded Data (stream gauge, monitorial)	Water-Staine MLRA 1, Salt Crust (B Aquatic Invertible Hydrogen Su Oxidized Rhii Presence of Recent Iron F Stunted or St Other (Explain No De No De	ed Leave 2, 4A, a 311) rtebrate: ulfide Oc zospher Reduce Reduction tressed in in Re epth (ince epth (ince	nd 4B) s (B13) lor (C1) res on L d Iron (on in Til Plants marks) ches): _ ches): _ ches): _ ches): _	iving Ro C4) led Soil (D1) (Li	oots (C3) s (C6) RR A) Wetland	Water-S 4A, a Drainag Dry-Sea Saturati Geomo Shallow FAC-Ne Raised Frost-H	Stained Leaves (B9) (MLRA 1, 2 and 4B) e Patterns (B10) eson Water Table (C2) on Visible on Aerial Imagery (C9) ephic Position (D2) Aquitard (D3) eutral Test (D5) Ant Mounds (D6) (LRR A) eave Hummocks (D7)

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Project/Site: Post Creek Hill - US 93		City/Cour	nty: Lake		Sampling Date:	9-16-2024
Applicant/Owner: MDT				State: MT	Sampling Point:	UDP 22-24
Investigator(s): B.Cline, F.Doty		Section, T	ownship, Ra			
Landform (hillside, terrace, etc.): roadside		Local relief (co	oncave, conv	vex, none): flat	Slop	pe (%): <u>5-10</u>
Subregion (LRR/MLRA): LRR E, MLRA 44A	Lat:	47.41344	l8 I	Long: -114.096541	Datum:	NAD83
Soil Map Unit Name: Irvine silty clay, 8 to 15 percer	nt slopes			NWI classi	fication: none	
Are climatic / hydrologic conditions on the site typical	al for this time o	f year?	Yes X	No (If no, exp	olain in Remarks.)	
Are Vegetation, Soil, or Hydrology	significantly	disturbed? A	re "Normal (Circumstances" present?	Yes X N	o
Are Vegetation, Soil, or Hydrology	naturally pro	blematic? (I	If needed, ex	plain any answers in Re	marks.)	
SUMMARY OF FINDINGS – Attach site	— map showir	ng samplin	g point lo	cations, transects,	important feat	tures, etc.
Hydrophytic Vegetation Present? Yes X	No	Is the	Sampled A	rea		
Hydric Soil Present? Yes	No X		n a Wetland		No X	
Wetland Hydrology Present? Yes	No X					
Remarks:		·				
VEGETATION – Use scientific names o	Absolute	Dominant	Indicator			
<u>Tree Stratum</u> (Plot size: 30')	% Cover	Species?	Status	Dominance Test wor	ksheet:	
1				Number of Dominant	Species That	
2				Are OBL, FACW, or F	AC:	2 (A)
3.				Total Number of Dom	nant Species	O (D)
4		=Total Cover		Across All Strata:		2 (B)
Sapling/Shrub Stratum (Plot size: 30')	- Total Cover		Percent of Dominant S Are OBL, FACW, or F	•	0.0% (A/B)
1.	— ′					(1 =
2.				Prevalence Index wo	rksheet:	
3				Total % Cover of		/ by:
4.				· —	x 1 =	0
5		=Total Cover		· ·) x 2 = 00 x 3 =	300
Herb Stratum (Plot size: 30')	-	- Total Gover			x4=	0
1. Poa pratensis	70	Yes	FAC	UPL species (x 5 =	0
2. Alopecurus pratensis	30	Yes	FAC	Column Totals: 10	00 (A)	300 (B)
3				Prevalence Index	= B/A = <u>3.00</u>)
4 5.				Hydrophytic Vegetat	ian Indiantoro	
					Hydrophytic Veget	ation
7.				X 2 - Dominance Te		allon
8.				3 - Prevalence Inc	dex is ≤3.0 ¹	
9					Adaptations ¹ (Provid	
10					s or on a separate	sheet)
11		-Total Cavar		5 - Wetland Non-\	Vascular Plants [.] ophytic Vegetation ¹	(Evaloia)
Woody Vine Stratum (Plot size: 30'	100	=Total Cover		l 		
1				¹ Indicators of hydric so be present, unless dis		
2.				Hydrophytic	·	
		=Total Cover	_ 	Vegetation		
% Bare Ground in Herb Stratum				Present? Yes	No	_
Remarks:						

SOIL Sampling Point: UDP 22-24

Profile Des	cription: (Describe	to the depth	needed to docu	ıment tl	ne indica	tor or c	confirm the	absence c	of indicators.)
Depth	Matrix		Redo	x Featur	es				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Tex	ture	Remarks
0-3	10YR 3/1	100					Loamy/	Clayey_	roots present
3-16	10YR 3/1	60	_				Loamy/	Clayey	40% of matrix is 7.5YR 5/2
,									
-									
-		- — —							
		. — —					•		
¹ Type: C=C	oncentration, D=Dep	letion, RM=R	educed Matrix, C	S=Cove	ered or Co	ated S	and Grains.	² Loca	ation: PL=Pore Lining, M=Matrix.
Hydric Soil	Indicators: (Applica	able to all LR	Rs, unless othe	rwise n	oted.)			Indicator	s for Problematic Hydric Soils ³ :
Histosol	I (A1)		Sandy Gle	yed Mat	rix (S4)			2 cm	Muck (A10) (LRR A, E)
Histic E	pipedon (A2)		Sandy Red	dox (S5)				Iron-N	Manganese Masses (F12) (LRR D)
Black H	istic (A3)		Stripped M	latrix (S6	3)			Red F	Parent Material (F21)
Hydroge	en Sulfide (A4)		Loamy Mu	cky Mine	eral (F1) (except	MLRA 1)	Very	Shallow Dark Surface (F22)
1 cm Mu	uck (A9) (LRR D, G)		Loamy Gle	yed Ma	trix (F2)			Other	r (Explain in Remarks)
	d Below Dark Surfac	e (A11)	Depleted N	∕latrix (F	3)				
Thick Da	ark Surface (A12)		Redox Dar	k Surfac	e (F6)				s of hydrophytic vegetation and
	Mucky Mineral (S1)		Depleted [, ,				nd hydrology must be present,
2.5 cm l	Mucky Peat or Peat (S2) (LRR G)	Redox Dep	oression	s (F8)			unles	s disturbed or problematic.
Restrictive	Layer (if observed):								
Type:			_						
Depth (i	nches):		_				Hydric So	oil Present	? Yes No X
Remarks:									
HYDROLC	OGY								
Wetland Hy	drology Indicators:								
Primary Indi	cators (minimum of o	one is required							y Indicators (2 or more required)
	Water (A1)		Water-Stai		, ,	(excep	t		r-Stained Leaves (B9) (MLRA 1, 2
	ater Table (A2)				and 4B)				A, and 4B)
Saturati			Salt Crust						age Patterns (B10)
	Marks (B1)		Aquatic Inv						Season Water Table (C2)
	nt Deposits (B2)		Hydrogen		,		(00)		ration Visible on Aerial Imagery (C9)
	posits (B3)		Oxidized R			_	.00ts (C3)		norphic Position (D2)
	at or Crust (B4) posits (B5)		Recent Iro		,	,	lo (C6)		ow Aquitard (D3)
	Soil Cracks (B6)		Stunted or				` '		Neutral Test (D5) ed Ant Mounds (D6) (LRR A)
-	ion Visible on Aerial	magery (R7)	Other (Exp			(D1) (L 1	IXIX A)		-Heave Hummocks (D7)
	y Vegetated Concave			nam m	torriarito)				Tiedve Fidilinieoko (B7)
Field Obser			,						
Surface Wat		20	No x	Denth (i	nches):				
Water Table				Depth (i	· -				
Saturation P				Depth (i	_		Wetlan	d Hydrolog	gy Present? Yes No X
	pillary fringe)			. (′ –				
	ecorded Data (stream	gauge, moni	toring well, aeria	photos	, previous	inspec	tions), if ava	ailable:	
Remarks:									

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Applicant/Owner: MDT Section, Township, Range: S12 T19N R20W Landform (hillside, terrace, etc.): roadside Local relief (concave, convex, none): convex Slope (%): CSubregion (LRR/MLRA): LRR E, MLRA 44A Lat: 47.415304 Long: -114.096608 Datum: NAD83 Soil Map Unit Name: Post silty clay loam, 2 to 4 percent slopes NWI classification: none Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.) Are Vegetation Soil or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes X No Are Vegetation or Hydrology naturally problematic? (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? Yes No X No X State: MT Converse Size (If needed, explain any answers in Remarks.) Figure 1.	0-5
Landform (hillside, terrace, etc.): roadside	
Subregion (LRR/MLRA): LRR E, MLRA 44A	
Soil Map Unit Name: Post silty clay loam, 2 to 4 percent slopes NWI classification: none Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.) Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes X No Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, e Hydrophytic Vegetation Present? Yes No X Is the Sampled Area within a Wetland? Yes No X Wetland Hydrology Present? Yes No X Wetland Hydrology Present? Yes No X Tree Stratum (Plot size: 30') Absolute Dominant Indicator Species? Status Dominance Test worksheet:	
Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.) Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes X No Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, e Hydrophytic Vegetation Present? Yes No X Is the Sampled Area within a Wetland? Yes No X Wetland Hydrology Present? Yes No X Wetland Hydrology Present? Yes No X Wetland (Plot size: 30') Absolute Dominant Indicator Species? Status Dominance Test worksheet:	tc.
Are Vegetation, Soil, or Hydrology significantly disturbed? Are "Normal Circumstances" present? YesX 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, e Hydrophytic Vegetation Present? Yes NoX Is the Sampled Area Hydric Soil Present? Yes NoX within a Wetland? Yes NoX Wetland Hydrology Present? Yes NoX Remarks: VEGETATION - Use scientific names of plants. Tree Stratum (Plot size: 30')	tc.
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, e Hydrophytic Vegetation Present? Yes No _X	tc.
SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, e Hydrophytic Vegetation Present? Yes No X Is the Sampled Area Hydric Soil Present? Yes No X Wetland Hydrology Present? Yes No X Remarks: VEGETATION – Use scientific names of plants. Tree Stratum (Plot size: 30') Absolute Species? Status Dominance Test worksheet:	tc.
SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, e Hydrophytic Vegetation Present? Yes No X Is the Sampled Area Hydric Soil Present? Yes No X Wetland Hydrology Present? Yes No X Remarks: VEGETATION – Use scientific names of plants. Tree Stratum (Plot size: 30') Absolute Species? Status Dominance Test worksheet:	tc.
Hydric Soil Present? Yes No X Wetland Hydrology Present? Yes No X Remarks: VEGETATION – Use scientific names of plants. Tree Stratum (Plot size: 30') Absolute Species? Status Dominance Test worksheet:	
Hydric Soil Present? Yes No X Wetland Hydrology Present? Yes No X Remarks: VEGETATION – Use scientific names of plants. Tree Stratum (Plot size: 30') Absolute Species? Status Dominance Test worksheet:	
Wetland Hydrology Present? Yes No X Remarks: VEGETATION – Use scientific names of plants. Tree Stratum (Plot size: 30') Absolute Species? Status Dominant Status Dominance Test worksheet:	
VEGETATION – Use scientific names of plants. Image: Stratum (Plot size: 30') Absolute Species: Species: Status Dominant Status Indicator Status Dominance Test worksheet:	
Absolute Dominant Indicator Tree Stratum (Plot size: 30') % Cover Species? Status Dominance Test worksheet:	_
Absolute Dominant Indicator Tree Stratum (Plot size: 30') % Cover Species? Status Dominance Test worksheet:	
Absolute Dominant Indicator Tree Stratum (Plot size: 30') % Cover Species? Status Dominance Test worksheet:	
Tree Stratum (Plot size: 30') % Cover Species? Status Dominance Test worksheet:	
l ,	
I Number of Deminent Chasics That	
	A)
3 Total Number of Dominant Species	,
4. Across All Strata: 2 (E	3)
=Total Cover Percent of Dominant Species That	
	A/B)
1	
3. Total % Cover of: Multiply by:	
4. OBL species 0 x1 = 0	
5. FACW species 0 x 2 = 0	
=Total Cover	
<u>Herb Stratum</u> (Plot size:0 x 4 =0	
1. <i>Poa pratensis</i> 40 Yes FAC UPL species 55 x 5 = 275	
	B)
3. Elymus hispidus 55 Yes UPL Prevalence Index = B/A = 4.10	
Liudenhutia Varatatian Indiantora	
6. Ingerophytic Vegetation indicators:	
72 - Dominance Test is >50%	
83 - Prevalence Index is ≤3.0 ¹	
9. 4 - Morphological Adaptations ¹ (Provide suppor	ting
10. data in Remarks or on a separate sheet)	
11 5 - Wetland Non-Vascular Plants ¹	
Woody Vine Stratum (Plot size: 30') 1Indicators of hydric soil and wetland hydrology mu be present, unless disturbed or problematic.	ıst
Hydrophytic Total Cover Hydrophytic Vegetation	
% Bare Ground in Herb Stratum	
Remarks:	

SOIL Sampling Point: UDP 23-24

	ription: (Describe	to the depth				tor or o	confirm the	absence o	f indicators.)	
Depth	Matrix			Featur		. 2	_				
(inches)	Color (moist)	<u>%</u>	Color (moist)	<u>%</u>	Type ¹	Loc ²		ture		Remarks	
0-4	10YR 3/2	100					Loamy			roots presen	
4-16	10YR 3/2	60					Loamy	/Clayey	40% of	matrix is 7.5	5YR 5/3
			_		<u></u>						
¹ Type: C=Co	oncentration, D=Depl	etion RM=F	Reduced Matrix C	S=Cove	ered or Co	nated S	and Grains	2l oca	tion: PL=Por	elinina M=	Matrix
	ndicators: (Applica					batca O	and Oranis.		s for Probler		
Histosol		5.0 to a <u>-</u> .	Sandy Gle						Muck (A10) (-	000
	ipedon (A2)		Sandy Red						лан (л.т.е) (Лanganese M		(LRR D)
Black His			Stripped M	, ,					Parent Materia		,
	n Sulfide (A4)		Loamy Mu	cky Mine	· eral (F1) (except	MLRA 1)		Shallow Dark		2)
	ck (A9) (LRR D, G)		Loamy Gle				ŕ	Other	(Explain in R	temarks)	,
Depleted	Below Dark Surface	e (A11)	Depleted M	latrix (F	3)						
Thick Da	rk Surface (A12)		Redox Dar	k Surfac	e (F6)			³ Indicators	s of hydrophy	tic vegetatio	n and
Sandy M	lucky Mineral (S1)		Depleted D	ark Sur	face (F7)			wetla	nd hydrology	must be pre	sent,
2.5 cm N	lucky Peat or Peat (S2) (LRR G)	Redox Dep	ression	s (F8)			unles	s disturbed o	r problematio	;.
Restrictive L	ayer (if observed):										
Type:			<u></u>								
Depth (ir	nches):		<u> </u>				Hydric So	oil Present	?	Yes	No X
Remarks:											
15% rocks fr	om 4 - 16"										
HYDROLO											
_	drology Indicators:										
	cators (minimum of o	ne is require							y Indicators (2		-
	Water (A1)		Water-Stai				t		r-Stained Lea	ves (B9) (M I	_RA 1, 2
	ter Table (A2)				and 4B)				A, and 4B)	(D40)	
Saturation Mater M	arks (B1)		Salt Crust (tos (B13)				age Patterns eason Water	. ,	
	arks (B1) it Deposits (B2)		Hydrogen S						ation Visible o	, ,	ageny (C9)
	osits (B3)		Oxidized R		, ,		oots (C3)		norphic Positi		igery (OO)
	t or Crust (B4)		Presence of			_	(00)		ow Aquitard (I	` '	
	osits (B5)		Recent Iron				ls (C6)		Neutral Test (-	
Surface	Soil Cracks (B6)		Stunted or	Stresse	d Plants	(D1) (L l	RR A)		d Ant Mound		A)
Inundation	on Visible on Aerial II	magery (B7)	Other (Exp	lain in F	Remarks)			Frost-	Heave Humn	nocks (D7)	
Sparsely	Vegetated Concave	Surface (B8	3)								
Field Observ	vations:										
Surface Water	er Present? Ye	s	No x	Depth (i	nches):						
Water Table	Present? Ye	s	No x	Depth (i	nches):						
Saturation Pr	resent? Ye	s	No x	Depth (i	nches):		Wetlan	d Hydrolog	y Present?	Yes	No X
(includes cap											
Describe Red	corded Data (stream	gauge, mon	itoring well, aerial	photos	, previous	inspec	tions), if ava	ailable:			
Don											
Remarks:											
											ļ

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Project/Site: Post Creek Hill - US 93		City/Cou	nty: Lake		Sampling Date:	9-16-2024
Applicant/Owner: MDT			'	State: MT	Sampling Point:	UDP 24-24
Investigator(s): B.Cline, F.Doty		Section, T	ownship, Ra	ange: S12 T19N R20W		
Landform (hillside, terrace, etc.): roadside		 Local relief (co	oncave, con	vex, none): convex	Slop	oe (%): _ 0-5
Subregion (LRR/MLRA): LRR E, MLRA 44A	Lat:	47.41745	55	Long: -114.095857	Datum:	NAD83
Soil Map Unit Name: Post silty clay loam, 2 ro 4 per	rcent slopes			NWI classif	fication: none	
Are climatic / hydrologic conditions on the site typica	al for this time o	f year?	Yes X	No (If no, exp	olain in Remarks.)	
Are Vegetation, Soil, or Hydrology	significantly)
Are Vegetation , Soil , or Hydrology						
SUMMARY OF FINDINGS – Attach site						ures, etc.
Hydrophytic Vegetation Present? Yes X	No	Is the	Sampled A	Area		
Hydric Soil Present? Yes	No X		n a Wetland		No X	
Wetland Hydrology Present? Yes	No X					
Remarks: VEGETATION – Use scientific names o	f plants.					
	Absolute	Dominant	Indicator			
Tree Stratum (Plot size: 30')	% Cover	Species?	Status	Dominance Test wor	ksheet:	
1				Number of Dominant S	•	2 (4)
2				Are OBL, FACW, or F		2 (A)
4.				Total Number of Domi Across All Strata:	nant Species	2 (B)
		=Total Cover		Percent of Dominant S	Species That	` ′
Sapling/Shrub Stratum (Plot size: 30')			Are OBL, FACW, or F	•	0.0% (A/B)
2.				Prevalence Index wo	rksheet:	
3.				Total % Cover of	: Multiply	by:
4.				OBL species 0	x 1 =	0
5				FACW species 0) x 2 =	0
(5)		=Total Cover		FAC species 10		300
Herb Stratum (Plot size: 30')	30	Yes	FAC	FACU species UPL species 0		0
Poa pratensis Alopecurus pratensis		No	FAC	Column Totals: 10		300 (B)
Cirsium arvense		No	FAC	Prevalence Index	` ′	``
4. Sporobolus airoides	50	Yes	FAC			
5.				Hydrophytic Vegetat	on Indicators:	
6					Hydrophytic Vegeta	ation
7				X 2 - Dominance Te		
8.				3 - Prevalence Inc		
9					Adaptations ¹ (Provides s or on a separates	
11.				5 - Wetland Non-\	•	,
	100	=Total Cover			ophytic Vegetation ¹	(Explain)
Woody Vine Stratum (Plot size: 30')			¹ Indicators of hydric so	oil and wetland hydi	rology must
1 2.				be present, unless dis	urbed of broblema	uc.
		=Total Cover		Hydrophytic Vegetation	V N-	
% Bare Ground in Herb Stratum				Present? Yes	No	
Remarks:						

SOIL Sampling Point: UDP 24-24

	ription: (Describe t Matrix	to the depth				tor or c	onfirm the	absence	of indicators	.)	
Depth (inches)	Color (moist)	<u></u> %	Color (moist)	x Featur %	Type ¹	Loc ²	Tov	ture		Remarks	
			COIOI (IIIOISI)	70	Турс		Texture Loamy/Clayey				
0-3	10YR 3/1	100								roots presen	
3-16	10YR 3/1	100					Loamy	/Clayey	compaction	increases w	ith soil depth
					' <u></u> '						
¹ Type: C=Co	ncentration, D=Depl	etion, RM=F	Reduced Matrix, C	S=Cove	ered or Co	oated Sa	and Grains.	² Loc	ation: PL=Po	re Lining, M=	Matrix.
• •	ndicators: (Applica								rs for Proble		
Histosol ((A1)		Sandy Gle	yed Mat	rix (S4)			2 cm	Muck (A10)	(LRR A, E)	
Histic Ep	ipedon (A2)		Sandy Red	lox (S5)				Iron-	Manganese N	lasses (F12)	(LRR D)
Black His	stic (A3)		Stripped M	atrix (S	6)			Red	Parent Materi	al (F21)	
Hydroger	n Sulfide (A4)		Loamy Mu	cky Min	eral (F1) (except	MLRA 1)	Very	Shallow Dark	Surface (F2	2)
1 cm Mud	ck (A9) (LRR D, G)		Loamy Gle	yed Ma	trix (F2)			Othe	er (Explain in F	Remarks)	
	Below Dark Surface	e (A11)	Depleted M					•			
	rk Surface (A12)		Redox Dar		` '				rs of hydrophy	_	
	ucky Mineral (S1)		Depleted D		, ,				and hydrology		
2.5 cm M	lucky Peat or Peat (S2) (LRR G)	Redox Dep	ression	s (F8)			unle	ss disturbed o	r problematio).
	ayer (if observed):										
Type:			_								
Depth (in	ches):		_				Hydric S	oil Presen	t?	Yes	No X
Remarks:											
HYDROLO	GY										
Wetland Hyd	Irology Indicators:										
Primary Indic	ators (minimum of o	ne is require	ed; check all that a	apply)				Seconda	ry Indicators	2 or more re	quired)
Surface \	Water (A1)		Water-Stai	ned Lea	aves (B9)	(excep	t	Wate	er-Stained Lea	aves (B9) (M I	LRA 1, 2
High Wat	ter Table (A2)		MLRA 1	1, 2, 4A	, and 4B)			4	A, and 4B)		
Saturatio			Salt Crust						nage Patterns	` '	
Water Ma			Aquatic Inv						Season Wate		
	t Deposits (B2)		Hydrogen S		, ,		. (00)		ration Visible		agery (C9)
	osits (B3)		Oxidized R			-	oots (C3)		morphic Posit	` '	
Iron Depo	t or Crust (B4)		Presence of Recent Iron		,	,	o (C6)		low Aquitard (-Neutral Test		
	Soil Cracks (B6)		Stunted or				,		ed Ant Mound		Δ)
	n Visible on Aerial Ir	magery (B7)				(D I) (L I	(ICA)		t-Heave Hum		Α,
-	Vegetated Concave	,									
Field Observ		,									
Surface Water		s	No x	Depth (i	inches):						
Water Table I					inches):						
Saturation Pro					 inches): _		Wetlan	d Hydrolo	gy Present?	Yes	No X
(includes cap					· -			-			
	orded Data (stream	gauge, mon	itoring well, aerial	photos	, previous	inspec	tions), if av	ailable:			
Remarks:			<u>-</u>								

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Project/Site: Post Creek Hill - US 93		City/Cour	nty: Lake		Sampling Date:	9-16-2024
Applicant/Owner: MDT		_		State: MT	Sampling Point:	UDP 25-24
Investigator(s): B.Cline, F.Doty		Section, T	ownship, Ra	nge: S12 T19N R20W		
Landform (hillside, terrace, etc.): natural draw		Local relief (co	oncave, conv	ex, none): concave	Slo	pe (%): <u>0-5</u>
Subregion (LRR/MLRA): LRR E, MLRA 44A	Lat:	47.41701	7 l	_ong:114.095857	Datum:	NAD83
Soil Map Unit Name: Post silty clay loam, 2 ro 4 per	cent slopes			NWI classi	fication: PEM1C	
Are climatic / hydrologic conditions on the site typical	al for this time o	f year?	Yes X	No (If no, exp	olain in Remarks.)	
Are Vegetation, Soil, or Hydrology	significantly	disturbed? A	re "Normal (Circumstances" present?	Yes X N	o
Are Vegetation, Soil, or Hydrology	naturally prol	blematic? (I	f needed, ex	plain any answers in Re	marks.)	
SUMMARY OF FINDINGS – Attach site	map showin	ng samplin	g point lo	cations, transects,	important fea	tures, etc.
Hydrophytic Vegetation Present? Yes X	No	Is the	Sampled A	rea		
			n a Wetland		No X	
Wetland Hydrology Present? Yes	No X					
Remarks:						
VEGETATION – Use scientific names of		Daminant	lu di a atau			
<u>Tree Stratum</u> (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test wor	ksheet:	
1				Number of Dominant	Species That	
2.	_			Are OBL, FACW, or F	•	2 (A)
3				Total Number of Dom	inant Species	
4		T-1-1 0		Across All Strata:		2 (B)
Sapling/Shrub Stratum (Plot size: 30'	\	=Total Cover		Percent of Dominant S Are OBL, FACW, or F	•	0.0% (A/B)
1.				AIC OBE, I AOW, OI I	AO. <u>10</u>	(A/B)
2.				Prevalence Index wo	orksheet:	
3.				Total % Cover of	: Multiply	/ by:
4.				· —	x 1 =	0
5		=Total Cover) x 2 =)0 x 3 =	300
Herb Stratum (Plot size: 30')		- Fotal Covel) x4=	0
1. Poa pratensis	65	Yes	FAC	· -	x 5 =	0
2. Alopecurus pratensis	35	Yes	FAC	Column Totals: 10	00 (A)	300 (B)
3				Prevalence Index	= B/A =3.00)
4.						
56.				Hydrophytic Vegetat	ion indicators: Hydrophytic Veget	ation
7.				X 2 - Dominance Te		ation
8.				3 - Prevalence Inc		
9.					Adaptations ¹ (Provi	
10					s or on a separate	sheet)
11				5 - Wetland Non-		(F. 1 :)
Woody Vine Stratum (Plot size: 30'	100	=Total Cover			ophytic Vegetation ¹	
Woody Vine Stratum (Plot size: 30'				¹ Indicators of hydric so be present, unless dis		
2.				•		
		=Total Cover		Hydrophytic Vegetation		
% Bare Ground in Herb Stratum				Present? Yes	<u> </u>	
Remarks:						

SOIL Sampling Point: UDP 25-24

Profile Des	cription: (Describe	to the depth	needed to docu	ıment tl	ne indica	tor or c	confirm the	absence o	of indicators.)
Depth	Matrix		Redo	x Featur	es				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Tex	ture	Remarks
0-5	10YR 3/2	100					Loamy	/Clayey	roots present
5-16	10YR 2/1	100	_				Loamy	/Clayey	10% rocks
-									
-									
1	. ,								
¹ Type: C=C	oncentration, D=Dep	letion, RM=Re	educed Matrix, C	S=Cove	ered or Co	ated S	and Grains.	² Loca	tion: PL=Pore Lining, M=Matrix.
Hydric Soil	Indicators: (Applica	ble to all LR	Rs, unless othe	rwise n	oted.)			Indicator	s for Problematic Hydric Soils ³ :
Histosol	l (A1)		Sandy Gle	yed Mat	rix (S4)			2 cm	Muck (A10) (LRR A, E)
Histic E	pipedon (A2)		Sandy Red	dox (S5)				Iron-N	Manganese Masses (F12) (LRR D)
Black H	istic (A3)		Stripped M	latrix (S6	6)			Red F	Parent Material (F21)
Hydroge	en Sulfide (A4)		Loamy Mu	cky Mine	eral (F1) (except	MLRA 1)	Very	Shallow Dark Surface (F22)
1 cm Mu	uck (A9) (LRR D, G)		Loamy Gle	yed Ma	trix (F2)			Other	(Explain in Remarks)
	d Below Dark Surfac	e (A11)	Depleted N					•	
	ark Surface (A12)		Redox Dar		, ,				s of hydrophytic vegetation and
	Mucky Mineral (S1)		Depleted D		` '				nd hydrology must be present,
2.5 cm l	Mucky Peat or Peat (S2) (LRR G)	Redox Dep	oression	s (F8)			unles	s disturbed or problematic.
Restrictive	Layer (if observed):								
Type:			_						
Depth (i	nches):		_				Hydric So	oil Present	? Yes No X
Remarks:									
11)/DDOL6									
HYDROLO									
Wetland Hy	drology Indicators:								
=	cators (minimum of c	ne is required							y Indicators (2 or more required)
	Water (A1)		Water-Stai		, ,	(excep	t		r-Stained Leaves (B9) (MLRA 1, 2
	ater Table (A2)				and 4B)				A, and 4B)
Saturati	` '		Salt Crust		(D40)				age Patterns (B10)
	Marks (B1)		Aquatic Inv						Season Water Table (C2)
	nt Deposits (B2)		Hydrogen Oxidized R				oots (C2)		ation Visible on Aerial Imagery (C9)
	posits (B3) at or Crust (B4)		Presence of			_	0018 (C3)		norphic Position (D2) ow Aquitard (D3)
	posits (B5)		Recent Iro		,	,	ls (C6)		Neutral Test (D5)
	Soil Cracks (B6)		Stunted or				` '		ed Ant Mounds (D6) (LRR A)
	ion Visible on Aerial I	magery (B7)	Other (Exp			(D1) (L 1	(X, A)		-Heave Hummocks (D7)
	y Vegetated Concave			all in in	torriarito)				Tiouve Trainine (ET)
Field Obser		(-)	<u> </u>						
Surface Wa		25	No x	Denth (i	nches):				
Water Table				Depth (i	· -				
Saturation P				Depth (i	_		Wetlan	d Hydrolog	y Present? Yes No X
(includes ca	pillary fringe)				′ =			, ,	<i></i>
	ecorded Data (stream	gauge, monit	toring well, aeria	photos	, previous	inspec	tions), if ava	ailable:	
Remarks:									
point is withi	in a natural draw								

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Project/Site: Post Creek Hill - US 93		City/Cour	nty: Lake		Sampling Date:	9-16-2024
Applicant/Owner: MDT				State: MT	Sampling Point:	UDP 26-24
Investigator(s): B.Cline, F.Doty		Section, T	ownship, Ra			
Landform (hillside, terrace, etc.): field		Local relief (co	oncave, conv	ex, none): convex	Slop	pe (%): <u>5-10</u>
Subregion (LRR/MLRA): LRR E, MLRA 44A	Lat:	47.41794	ι <u>3</u> Ι	ong: -114.095960	Datum:	NAD83
Soil Map Unit Name: Post silty clay loam, 2 ro 4 perc	cent slopes		_	NWI classi	fication: PEM1C	
Are climatic / hydrologic conditions on the site typical	I for this time o	f year?	Yes X	No (If no, exp	olain in Remarks.)	
Are Vegetation, Soil, or Hydrology	_significantly	disturbed? A	re "Normal (Circumstances" present?	Yes X No	0
Are Vegetation , Soil , or Hydrology					· 	
SUMMARY OF FINDINGS – Attach site n	_					tures, etc.
Hydrophytic Vegetation Present? Yes X	No	Is the	Sampled A	rea		
	No X		n a Wetland		No X	
Wetland Hydrology Present? Yes	No X					
Remarks:						
VEGETATION – Use scientific names of		Dansinant	lu ali a a ta u			
<u>Tree Stratum</u> (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test wor	ksheet:	
1.	_			Number of Dominant	Species That	
2				Are OBL, FACW, or F	AC:	2 (A)
3.				Total Number of Dom	nant Species	
4		=Total Cover		Across All Strata:		2 (B)
Sapling/Shrub Stratum (Plot size: 30'	,——	- rotal Cover		Percent of Dominant S Are OBL, FACW, or F	•	0.0% (A/B)
1.	- ′			7110 OBE, 1710VV, 01 1	7.0. <u>10</u>	(70)
2.				Prevalence Index wo	rksheet:	
3.				Total % Cover of	: Multiply	/ by:
4.	_			· —) x 1 =	0
5		=Total Cover			$\begin{array}{cccccccccccccccccccccccccccccccccccc$	<u>0</u> 300
Herb Stratum (Plot size: 30')		- I Olai Covei) x3= <u> </u>	0
1. Poa pratensis	65	Yes	FAC	UPL species (···	0
2. Alopecurus pratensis	35	Yes	FAC	Column Totals: 10	00 (A) 3	300 (B)
3				Prevalence Index	= B/A = 3.00)
4						
56.				Hydrophytic Vegetat	ion Indicators: Hydrophytic Vegeta	otion
				X 2 - Dominance Te		auon
7. 8.				3 - Prevalence Inc		
9.					Adaptations ¹ (Provid	de supporting
10.				data in Remark	s or on a separate	sheet)
11				5 - Wetland Non-		
	100	=Total Cover		Problematic Hydro	ophytic Vegetation ¹	(Explain)
Woody Vine Stratum (Plot size: 30'	_)			¹ Indicators of hydric so		
1 2.				be present, unless dis	urbed or problema	uc.
<u></u>		=Total Cover		Hydrophytic Vegetation		
% Bare Ground in Herb Stratum		·		_	X No	_
Remarks:						

SOIL Sampling Point: UDP 26-24

	ription: (Describe	to the dept				tor or o	confirm the	absence of ind	licators.)	
Depth	Matrix			x Featur		1 2	_			
(inches)	Color (moist)	<u>%</u>	Color (moist)	<u>%</u>	Type ¹	Loc ²	Tex		Remarks	
0-3	10YR 3/1	100	-				Loamy	/Clayey	roots prese	nt
3-16	10YR 3/1	100					Loamy/	/Clayey		
	-	· -								
			-							
1Type: C=C	oncentration, D=Dep	lotion BM-	Poducod Matrix C		rod or Co	noted S	and Crains	² Location:	PL=Pore Lining, M	-Motriy
	Indicators: (Applica					Jaleu S	anu Grains.		Problematic Hydri	
Histosol		ibie to all L	Sandy Gle						k (A10) (LRR A, E)	c cons .
	pipedon (A2)		Sandy Red	-					anese Masses (F12) (I RR D)
Black Hi	,		Stripped M						nt Material (F21)) (Little D)
	n Sulfide (A4)		Loamy Mu	,	,	(excent	MIRA 1)		ow Dark Surface (F2	22)
	ck (A9) (LRR D, G)		Loamy Gle	-		(cxccpt	including		olain in Remarks)	-2)
	Below Dark Surface	e (A11)	Depleted N	•	٠, ,			Other (Exp	nam in Romano,	
	ark Surface (A12)	, , , , ,	Redox Dar					³ Indicators of h	nydrophytic vegetatio	on and
	lucky Mineral (S1)		Depleted D		` '				drology must be pre	
	/lucky Peat or Peat (S2) (LRR G			, ,			-	turbed or problemati	
	_ayer (if observed):		<u>′ — </u>		(- /				<u> </u>	
Type:	zayer (ii observea).									
Depth (ir	nches).						Hydric Sc	oil Present?	Yes	No X
Remarks:										
Nomans.										
HYDROLO	GY									
Wetland Hyd	drology Indicators:									
Primary Indic	cators (minimum of o	ne is requir	ed; check all that a	apply)				Secondary Ind	icators (2 or more re	equired)
Surface	Water (A1)		Water-Stai	ned Lea	ives (B9)	(excep	t	Water-Sta	ined Leaves (B9) (M	ILRA 1, 2
High Wa	ter Table (A2)		MLRA '	1, 2, 4A,	and 4B)			4A, and	d 4B)	
Saturation	on (A3)		Salt Crust	(B11)				Drainage F	Patterns (B10)	
Water M	arks (B1)		Aquatic Inv	/ertebrat	tes (B13)				on Water Table (C2)	
	nt Deposits (B2)		Hydrogen		` '				Visible on Aerial Im	agery (C9)
	oosits (B3)		Oxidized R			_	oots (C3)		nic Position (D2)	
	t or Crust (B4)		Presence of						quitard (D3)	
	osits (B5)		Recent Iro				` '		ral Test (D5)	
	Soil Cracks (B6)	(5.5	Stunted or			(D1) (L l	RR A)		t Mounds (D6) (LRF	₹ 🗛)
	on Visible on Aerial I			olain in R	Remarks)			Frost-Heav	ve Hummocks (D7)	
Sparsely	Vegetated Concave	Surface (E	58) ————————————————————————————————————				T			
Field Obser										
Surface Wat					nches): _					
Water Table					nches): _					
Saturation P		es	No <u>x</u>	Depth (i	nches):_		Wetlan	d Hydrology Pro	esent? Yes	NoX
(includes cap	_ · · · · · · · · · · · · · · · · · · ·						4'\ ' f	-11-1-1-		
Describe Re	corded Data (stream	gauge, mo	nitoring well, aerial	pnotos,	, previous	sinspec	uons), it ava	allable:		
Remarks:										
. tomanto.										

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Project/Site: Post Creek Hill - US 93		City/Cour	nty: Lake		Sampling Date	e: <u>9-16-2024</u>
Applicant/Owner: MDT			-	State: MT	Sampling Poin	it: UDP 27-24
Investigator(s): B.Cline, F.Doty		Section, T	ownship, Ra	nge: S12 T19N R20W		
Landform (hillside, terrace, etc.): field		 Local relief (co	oncave, conv	vex, none): convex	S	lope (%): 5-10
Subregion (LRR/MLRA): LRR E, MLRA 44A	Lat:	47.43293	30 I	 _ong: -114.097152		n: NAD83
Soil Map Unit Name: Post silty clay loam, 2 ro 4 percen	t slopes				ification: PEM1C	
Are climatic / hydrologic conditions on the site typical fo	r this time o	f year?	Yes X		plain in Remarks.	.)
Are Vegetation , Soil , or Hydrology s		-	re "Normal 0			
Are Vegetation , Soil , or Hydrology n						
SUMMARY OF FINDINGS – Attach site ma						atures, etc.
Hydrophytic Vegetation Present? Yes No	Х	Is the	Sampled A	rea		
	X		n a Wetland		No X	
Wetland Hydrology Present? Yes No	X				<u> </u>	
Remarks:						
VEGETATION – Use scientific names of pl	onto					
VEGETATION – Use scientific flames of pr	Absolute	Dominant	Indicator			
Tree Stratum (Plot size: 30')	% Cover	Species?	Status	Dominance Test wo	rksheet:	
1				Number of Dominant	•	
2				Are OBL, FACW, or F		(A)
3				Total Number of Dom Across All Strata:	inant Species	2 (B)
··		=Total Cover		Percent of Dominant	Species That	(D)
Sapling/Shrub Stratum (Plot size: 30')				Are OBL, FACW, or F	•	50.0% (A/B)
1						
2.				Prevalence Index we		
3.				Total % Cover o		ply by:
5.				· —	$\frac{0}{0}$ $x 1 = $	0
o		=Total Cover			55 x3=	165
Herb Stratum (Plot size: 30')		- Total Govel		· · · · · · · · · · · · · · · · · · ·	10 x 4 =	40
1.					25 x 5 =	125
2.					90 (A)	330 (B)
3. Poa pratensis	40	Yes	FAC	Prevalence Index	= B/A = 3.	.67
4. Plantago patagonica	25	Yes	UPL			
5. Trifolium pratense	10	No	FACU	Hydrophytic Vegeta	tion Indicators:	
6. Alopecurus pratensis	15	No	FAC		r Hydrophytic Veg	etation
7.				2 - Dominance To		
8				3 - Prevalence In		
9.					Adaptations ¹ (Pro ks or on a separat	
10 11.				5 - Wetland Non-	•	
	90	=Total Cover			rophytic Vegetatio	on ¹ (Explain)
Woody Vine Stratum (Plot size: 30')				¹ Indicators of hydric s		, , ,
1.				be present, unless dis		
2.				Hydrophytic		
% Bare Ground in Herb Stratum		=Total Cover		Vegetation Present? Yes	No	X
Remarks:						

SOIL Sampling Point: UDP 27-24

Profile Desc	cription: (Describe	to the depth	needed to docu	ıment tl	ne indica	tor or c	confirm the	absence c	of indicators.)
Depth	Matrix		Redo	x Featur	es				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Tex	ture	Remarks
0-3	10YR 3/2	100					Loamy/	Clayey	roots present
3-5	10YR 3/2	100					Loamy/	Clayey	
5-16	10YR 3/2	100					Loamy/	Clavev	40% rocks
		. — —					-		
		· — — —					-		
¹ Type: C=C	oncentration, D=Dep	letion, RM=R	educed Matrix, C	S=Cove	ered or Co	ated S	and Grains.	² Loca	ation: PL=Pore Lining, M=Matrix.
Hydric Soil	Indicators: (Applica	ble to all LR	Rs, unless othe	rwise n	oted.)			Indicator	s for Problematic Hydric Soils ³ :
Histosol	(A1)		Sandy Gle	yed Mat	rix (S4)			2 cm	Muck (A10) (LRR A, E)
Histic Ep	oipedon (A2)		Sandy Red	lox (S5)				Iron-N	Manganese Masses (F12) (LRR D)
Black Hi	stic (A3)		Stripped M	atrix (S6	3)			Red I	Parent Material (F21)
Hydroge	n Sulfide (A4)		Loamy Mu	cky Mine	eral (F1) (except	MLRA 1)	Very	Shallow Dark Surface (F22)
1 cm Mu	ıck (A9) (LRR D, G)		Loamy Gle	yed Ma	trix (F2)			Other	r (Explain in Remarks)
	d Below Dark Surface	e (A11)	Depleted N	∕latrix (F	3)				
Thick Da	ark Surface (A12)		Redox Dar		, ,				s of hydrophytic vegetation and
	lucky Mineral (S1)		Depleted D		` '				nd hydrology must be present,
2.5 cm M	Mucky Peat or Peat (S2) (LRR G)	Redox Dep	ression	s (F8)			unles	s disturbed or problematic.
Restrictive	Layer (if observed):								
Type:			_						
Depth (ii	nches):		_				Hydric So	oil Present	? Yes No X
Remarks:									
HYDROLC)GY								
Wetland Hy	drology Indicators:								
Primary India	cators (minimum of c	ne is require	d; check all that a	apply)				Secondar	y Indicators (2 or more required)
Surface	Water (A1)		Water-Stai	ned Lea	ives (B9)	(excep	t	Wate	r-Stained Leaves (B9) (MLRA 1, 2
High Wa	ater Table (A2)		MLRA	1, 2, 4A,	and 4B)			4/	A, and 4B)
Saturation	on (A3)		Salt Crust	-					age Patterns (B10)
Water M	larks (B1)		Aquatic Inv	/ertebra	tes (B13)				Season Water Table (C2)
	nt Deposits (B2)		Hydrogen		,				ration Visible on Aerial Imagery (C9)
	posits (B3)		Oxidized R			_	oots (C3)		norphic Position (D2)
	at or Crust (B4)		Presence of		,	,			ow Aquitard (D3)
	oosits (B5)		Recent Iron				` '		Neutral Test (D5)
	Soil Cracks (B6)	(DZ)	Stunted or			(D1) (L I	RR A)		ed Ant Mounds (D6) (LRR A)
	on Visible on Aerial I		Other (Exp	iain in F	(emarks)				-Heave Hummocks (D7)
	/ Vegetated Concave	Surrace (B8)						
Field Obser			NI-	D 11 - 11					
Surface Wat					nches): _				
Water Table				Depth (i	_		Watter	م العراسماء	Propent? Voc. No. V
Saturation P (includes ca			No <u>x</u>	Depth (i	nones):_		vvetian	u myurolog	gy Present? Yes No X
	corded Data (stream	gauge mon	toring well aerial	photos	previous	inspec	tions) if ava	ailable	
Dooding 146	sside Data (Sticalii	gaago, mom		p.10103	, p. 5 v 10 u s	opcc	,, 11 ave		
Remarks:									

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Project/Site: Post Creek Hill - US 93		City/Cour	nty: Lake		Sampling Date:	9-16-2024
Applicant/Owner: MDT				State: MT	Sampling Point:	UDP 28-24
Investigator(s): B.Cline, F.Doty		Section, T	ownship, Ra	nge: S12 T19N R20W		
Landform (hillside, terrace, etc.): field		Local relief (co	oncave, conv	vex, none): convex	Slop	e (%): 0-5
Subregion (LRR/MLRA): LRR E, MLRA 44A	Lat:	47.43317	<u>'3</u> I	ong: -114.097465	Datum:	NAD83
Soil Map Unit Name: Post silty clay loam, 2 to 4 per	cent slopes			NWI classit	fication: none	
Are climatic / hydrologic conditions on the site typica	al for this time o	f year?	Yes X	No (If no, exp	olain in Remarks.)	
Are Vegetation, Soil, or Hydrology	significantly	disturbed? A	re "Normal (Circumstances" present?	Yes X No	
Are Vegetation, Soil, or Hydrology_	naturally pro	blematic? (I	f needed, ex	plain any answers in Rei	marks.)	
SUMMARY OF FINDINGS – Attach site	map showir	ng samplin	g point lo	cations, transects,	important feat	ures, etc.
Hydrophytic Vegetation Present? Yes	No_X	Is the	Sampled A	rea		
Hydric Soil Present? Yes	No X	withi	n a Wetland	? Yes	No X	
Wetland Hydrology Present? Yes	No X					
Remarks:						
VEOTATION II : ('6'	• • •					
VEGETATION – Use scientific names o	Absolute	Dominant	Indicator			
<u>Tree Stratum</u> (Plot size: 30')	% Cover	Species?	Status	Dominance Test wor	ksheet:	
1				Number of Dominant	Species That	
2				Are OBL, FACW, or F	AC:	0 (A)
3.				Total Number of Domi	nant Species	0 (D)
4.		=Total Cover		Across All Strata:		3 (B)
Sapling/Shrub Stratum (Plot size: 30'	, ——	- Total Covel		Percent of Dominant S Are OBL, FACW, or F	•	.0% (A/B)
1.				7110 002, 171011, 011		(742)
2.				Prevalence Index wo	rksheet:	
3.				Total % Cover of	: Multiply	by:
4.				OBL species	x 1 =	
5		-Tatal Cause		FACW species	x 2 =	
Herb Stratum (Plot size: 30')		=Total Cover		FAC species FACU species	x 3 = x 4 =	
1. Elymus hispidus	35	Yes		UPL species	x 5 =	
2.				Column Totals:	(A)	(B)
3. Lactuca serriola	15	Yes	FACU	Prevalence Index	= B/A =	
4. Bromus inermis	25	Yes	UPL			
5				Hydrophytic Vegetat		
6.					Hydrophytic Vegeta	ation
7. 8.				2 - Dominance Te 3 - Prevalence Ind		
0					Adaptations ¹ (Provid	le supporting
10					s or on a separate	
11.				5 - Wetland Non-	√ascular Plants¹	
	75	=Total Cover		Problematic Hydro	ophytic Vegetation ¹	(Explain)
Woody Vine Stratum (Plot size: 30')			¹ Indicators of hydric so		
1				be present, unless dis	turbed or problemat	ic.
2		=Total O····		Hydrophytic		
% Bare Ground in Herb Stratum		=Total Cover		Vegetation Present? Yes	NoX	_
Remarks:						

SOIL Sampling Point: UDP 28-24

Profile Desc	ription: (Describe	to the depth	needed to docu	ıment tl	ne indica	tor or o	confirm the	absence o	of indicators.)	
Depth	Matrix		Redo	x Featur	es					
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Text	ure	Rema	rks
0-7	10YR 3/2	100					Loamy/0	Clayey	roots pr	esent
7-16	10YR 3/2	100	_				Loamy/0	Clayey	30% gravels;	compacted
	•									
	•								,	
							-			
¹ Type: C=Co	ncentration, D=Dep	letion, RM=R	educed Matrix, C	S=Cove	ered or Co	oated S	and Grains.	² Loca	ition: PL=Pore Lining	, M=Matrix.
Hydric Soil I	ndicators: (Applica	able to all LR	Rs, unless other	rwise n	oted.)			Indicator	s for Problematic H	ydric Soils³:
Histosol	(A1)		Sandy Gle	yed Mat	rix (S4)			2 cm	Muck (A10) (LRR A,	E)
Histic Ep	ipedon (A2)		Sandy Red	dox (S5)				Iron-N	Manganese Masses (F12) (LRR D)
Black His	stic (A3)		Stripped M	latrix (S6	3)			Red F	Parent Material (F21)	
Hydroger	n Sulfide (A4)		Loamy Mu	cky Mine	eral (F1) ((except	t MLRA 1)	Very	Shallow Dark Surface	e (F22)
1 cm Mu	ck (A9) (LRR D, G)		Loamy Gle	yed Ma	trix (F2)			Other	(Explain in Remarks)
Depleted	Below Dark Surfac	e (A11)	Depleted N	∕latrix (F	3)					
Thick Da	rk Surface (A12)		Redox Dar	k Surfac	e (F6)			³ Indicators	s of hydrophytic vege	tation and
Sandy M	ucky Mineral (S1)		Depleted [Oark Sur	face (F7)			wetlaı	nd hydrology must be	present,
2.5 cm M	lucky Peat or Peat ((S2) (LRR G)	Redox Dep	oression	s (F8)			unles	s disturbed or proble	matic.
Restrictive L	ayer (if observed):	:								
Type:			<u>_</u>							
Depth (in	ches):		_				Hydric So	il Present	? Yes_	No X
Remarks:										
HYDROLO	GY									
-	Irology Indicators:									
-	ators (minimum of o	one is require						Secondar	y Indicators (2 or mor	re required)
Surface \	Nater (A1)		Water-Sta	ned Lea	ives (B9)	(excep	t	Wate	r-Stained Leaves (B9) (MLRA 1, 2
	ter Table (A2)				and 4B)				A, and 4B)	
Saturatio			Salt Crust						age Patterns (B10)	
Water Ma	` '		Aquatic In						Season Water Table (-
	t Deposits (B2)		Hydrogen		, ,		(00)		ation Visible on Aeria	I Imagery (C9)
	osits (B3)		Oxidized F			-	loots (C3)		norphic Position (D2)	
	t or Crust (B4)		Presence				I- (OO)		ow Aquitard (D3)	
	osits (B5)		Recent Iro				,		Neutral Test (D5)	I DD A\
	Soil Cracks (B6) on Visible on Aerial l	Imagani (P7)	Stunted or			(DT) (L I	RR A)		ed Ant Mounds (D6) (I	•
	Vegetated Concave		Other (Exp	nam m r	(emarks)			FIOSI-	-Heave Hummocks (I	57)
<u> </u>		Surface (Do	')							
Field Observ Surface Wate		es	No. v	Donth (i	nchoc):					
Water Table		es		Depth (i	nches): _					
Saturation Pr				Depth (i	_		Wetland	l Hydrolog	y Present? Yes	No X
(includes cap			<u> </u>	Dopui (i			·	rriyarolog		NO_X_
<u> </u>	corded Data (stream	gauge, mon	itoring well, aeria	photos	previous	inspec	ctions), if ava	ilable:		
	,			•	•		,.			
Remarks:										

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Project/Site: Post Creek Hill - US 93		City/Cour	nty: Lake		Sampling Date:	9-16-2024		
Applicant/Owner: MDT		State: MT Sampling Point: UDP 29-2						
Investigator(s): B.Cline, F.Doty		Section, T	ownship, Ra	inge: S12 T19N R20W				
Landform (hillside, terrace, etc.): roadside		Local relief (co	oncave, conv	vex, none): convex	Slop	pe (%): <u>5-10</u>		
Subregion (LRR/MLRA): LRR E, MLRA 44A	Lat:	47.42151	6 I	_ong:114.096667	Datum:	NAD83		
Soil Map Unit Name: Post silt loam, 0 to 2 percent s	lopes			NWI classif	ication: PEM1C			
Are climatic / hydrologic conditions on the site typical	al for this time o	f year?	Yes X	No (If no, exp	lain in Remarks.)			
Are Vegetation, Soil, or Hydrology	significantly of	disturbed? A	re "Normal (Circumstances" present?	Yes X N	0		
Are Vegetation, Soil, or Hydrology	naturally prol	olematic? (I	f needed, ex	plain any answers in Rer	marks.)			
SUMMARY OF FINDINGS – Attach site	map showin	g samplin	g point lo	cations, transects,	important feat	tures, etc.		
Hydrophytic Vegetation Present? Yes	No X	Is the	Sampled A	rea				
	No X		n a Wetland		No X			
Wetland Hydrology Present? Yes	No X							
Remarks:		•						
VEGETATION – Use scientific names of								
Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test wor	ksheet:			
1.				Number of Dominant S	Species That			
2.				Are OBL, FACW, or F	•	1 (A)		
3				Total Number of Domi	nant Species			
4				Across All Strata:		2 (B)		
Sapling/Shrub Stratum (Plot size: 30'		=Total Cover		Percent of Dominant S Are OBL, FACW, or F.	•	0.0% (A/B)		
1.	'			Ale OBL, I ACW, OI I		0.070 (A/D)		
2.				Prevalence Index wo	rksheet:			
3.				Total % Cover of	Multiply	/ by:		
4				OBL species 0		0		
5				FACW species 0		0		
Herb Stratum (Plot size: 30')		=Total Cover		FAC species 30 FACU species 15		90 60		
1. Bromus inermis	45	Yes	UPL	UPL species 4		225		
2. Lactuca serriola	15	No	FACU	Column Totals: 9		375 (B)		
3. Poa pratensis	30	Yes	FAC	Prevalence Index	= B/A = 4.17	7		
4								
5				Hydrophytic Vegetati				
6.				1 - Rapid Test for 2 - Dominance Te	Hydrophytic Veget	ation		
7. 8.				3 - Prevalence Inc				
					Adaptations ¹ (Provi	de supportina		
9. 10.				· -	s or on a separate			
11.				5 - Wetland Non-\	/ascular Plants ¹			
	90	=Total Cover		Problematic Hydro	ophytic Vegetation ¹	(Explain)		
Woody Vine Stratum (Plot size: 30')			¹ Indicators of hydric so				
1.				be present, unless dis	turbed or problema	tic.		
2		-Total Cava		Hydrophytic				
% Bare Ground in Herb Stratum	 :	=Total Cover		Vegetation Present? Yes	No X	_		
Remarks:								

SOIL Sampling Point: UDP 29-24

Profile Des	cription: (Describe	to the depth	needed to docu	ıment tl	ne indica	tor or c	confirm the	absence o	of indicators.)
Depth	Matrix		Redo	x Featur	es				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Tex	ture	Remarks
0-4	10YR 3/2	100					Loamy/	Clayey	Roots present
4-16	10YR 4/3	100	_				Loamy/	Clayey	10% rocks
,									
-		- — –							
•	· -						-		
		. — —					•		
¹ Type: C=C	oncentration, D=Dep	oletion, RM=R	educed Matrix, C	S=Cove	ered or Co	ated S	and Grains.	² Loca	tion: PL=Pore Lining, M=Matrix.
Hydric Soil	Indicators: (Applica	able to all LR	Rs, unless othe	rwise n	oted.)			Indicator	s for Problematic Hydric Soils ³ :
Histosol	I (A1)		Sandy Gle	yed Mat	rix (S4)			2 cm	Muck (A10) (LRR A, E)
Histic E	pipedon (A2)		Sandy Red	dox (S5)				Iron-N	Manganese Masses (F12) (LRR D)
Black H	istic (A3)		Stripped M	latrix (S6	3)			Red F	Parent Material (F21)
Hydroge	en Sulfide (A4)		Loamy Mu	cky Mine	eral (F1) (except	MLRA 1)	Very	Shallow Dark Surface (F22)
1 cm Mu	uck (A9) (LRR D, G)		Loamy Gle	yed Ma	trix (F2)			Other	(Explain in Remarks)
	d Below Dark Surfac	e (A11)	Depleted N	∕latrix (F	3)				
Thick D	ark Surface (A12)		Redox Dar		, ,				s of hydrophytic vegetation and
	Mucky Mineral (S1)		Depleted D		` '				nd hydrology must be present,
2.5 cm l	Mucky Peat or Peat ((S2) (LRR G)	Redox Dep	oression	s (F8)			unles	s disturbed or problematic.
Restrictive	Layer (if observed):								
Type:			_						
Depth (i	nches):		_				Hydric So	oil Present	? Yes No X
Remarks:									
HYDROLO	OGY								
Wetland Hy	drology Indicators:								
=	cators (minimum of o	one is require							y Indicators (2 or more required)
	Water (A1)		Water-Stai		, ,	(excep	t		r-Stained Leaves (B9) (MLRA 1, 2
	ater Table (A2)				and 4B)				A, and 4B)
Saturati			Salt Crust						age Patterns (B10)
	Marks (B1)		Aquatic Inv						season Water Table (C2)
	nt Deposits (B2)		Hydrogen		,		(00)		ation Visible on Aerial Imagery (C9)
	posits (B3)		Oxidized R			_	.00ts (C3)		norphic Position (D2)
	at or Crust (B4) posits (B5)		Recent Iro		,	,	lo (C6)		ow Aquitard (D3)
	Soil Cracks (B6)		Stunted or				` '		Neutral Test (D5) ed Ant Mounds (D6) (LRR A)
	ion Visible on Aerial	Imagery (R7)	Other (Exp			(D1) (L 1	IXIX A)		-Heave Hummocks (D7)
	y Vegetated Concave			nam m	torriarito)				Tiouve Training one (ET)
Field Obser			,						
		es	No x	Denth (i	nches):				
Water Table		es		Depth (i	· -				
Saturation P		es		Depth (i			Wetlan	d Hvdrolog	y Present? Yes No X
	pillary fringe)			(.	_			J	
	corded Data (stream	n gauge, mon	itoring well, aeria	photos	, previous	inspec	ctions), if ava	ailable:	
Remarks:									

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Project/Site: Post Creek Hill - US 93		City/Cou	nty: Lake		Sampling Date:	9-16-2024
Applicant/Owner: MDT			1	State: MT	Sampling Point:	UDP 30-24
Investigator(s): B.Cline, F.Doty		Section, T	ownship, Ra	inge: S12 T19N R20W		
Landform (hillside, terrace, etc.): roadside		 Local relief (co	oncave, conv	vex, none): convex	Slop	oe (%): _ 0-5
Subregion (LRR/MLRA): LRR E, MLRA 44A	Lat:	47.42444	2	ong: -114.096682	Datum:	NAD83
Soil Map Unit Name: Post-Ronan-Water complex, 2					fication: none	
Are climatic / hydrologic conditions on the site typica	al for this time o	f year?	Yes X	No (If no, exp	olain in Remarks.)	
Are Vegetation, Soil, or Hydrology	significantly)
Are Vegetation, Soil, or Hydrology					' <u></u> '	
SUMMARY OF FINDINGS – Attach site	— map showir	ng samplin	g point lo	cations, transects,	important feat	tures, etc.
Hydrophytic Vegetation Present? Yes X	No	Is the	Sampled A	rea		
Hydric Soil Present? Yes	No X	withi	n a Wetland	? Yes	No X	
Wetland Hydrology Present? Yes	No X					
Remarks:						
VEGETATION – Use scientific names o	-					
<u>Tree Stratum</u> (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test wor	ksheet:	
1				Number of Dominant S		
2.				Are OBL, FACW, or F	•	2 (A)
3				Total Number of Domi	nant Species	
4				Across All Strata:		3 (B)
Sapling/Shrub Stratum (Plot size: 30'	,——	=Total Cover		Percent of Dominant S	•	S 70/ (A/D)
Sapling/Shrub Stratum (Plot size: 30'	_ '			Are OBL, FACW, or F	AC. <u>00</u>	6.7% (A/B)
2.				Prevalence Index wo	rksheet:	
3.				Total % Cover of	: Multiply	by:
4				OBL species) x 1 =	0
5				FACW species 0		0
Herb Stratum (Plot size: 30')		=Total Cover		· -		135
Herb Stratum (Plot size: 30') 1. Poa pratensis	30	Yes	FAC	FACU species 3 UPL species 0		1 <u>20</u> 0
Plantago lanceolata	25	Yes	FACU	Column Totals: 7		255 (B)
3. Elymus trachycaulus	15	Yes	FAC	Prevalence Index	` ′	`
4. Lactuca serriola	5	No	FACU			,
5				Hydrophytic Vegetati	on Indicators:	
6					Hydrophytic Vegeta	ation
7.				X 2 - Dominance Te		
9.				3 - Prevalence Inc	aex is ≤3.0 Adaptations¹(Provic	lo supporting
10					s or on a separate	
11.				5 - Wetland Non-\	√ascular Plants¹	,
	75	=Total Cover		Problematic Hydro	ophytic Vegetation ¹	(Explain)
Woody Vine Stratum (Plot size: 30')			¹ Indicators of hydric so	oil and wetland hydr	rology must
1				be present, unless dis		
2				Hydrophytic		
% Bare Ground in Herb Stratum		=Total Cover		Vegetation Present? Yes	XNo	<u> </u>
Remarks:						

SOIL Sampling Point: UDP 30-24

Profile Desc	cription: (Describe	to the depth	needed to docu	ıment tl	ne indica	tor or c	confirm the	absence o	of indicators.)
Depth	Matrix		Redo	x Featur	es				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Tex	ture	Remarks
0-2	10YR 3/2	100					Loamy	/Clayey	roots present
2-6	10YR 3/2	100					Loamy	/Clayey	10% rocks
6-16	10YR 4/3	100					Loamy	/Clavev	
								- , ,	
		. — —					-		
	-	· — —							
	-								
¹ Type: C=C	oncentration, D=Dep	letion, RM=R	educed Matrix, C	S=Cove	ered or Co	ated S	and Grains.	² Loca	tion: PL=Pore Lining, M=Matrix.
Hydric Soil	Indicators: (Applica	ble to all LR	Rs, unless othe	rwise n	oted.)			Indicator	s for Problematic Hydric Soils ³ :
Histosol	(A1)		Sandy Gle	yed Mat	rix (S4)			2 cm	Muck (A10) (LRR A, E)
Histic Ep	oipedon (A2)		Sandy Red	lox (S5)				Iron-N	Manganese Masses (F12) (LRR D)
Black Hi	stic (A3)		Stripped M	atrix (S6	3)			Red F	Parent Material (F21)
Hydroge	n Sulfide (A4)		Loamy Mu	cky Mine	eral (F1) (except	MLRA 1)	Very	Shallow Dark Surface (F22)
1 cm Mu	ıck (A9) (LRR D, G)		Loamy Gle	yed Ma	trix (F2)			Other	(Explain in Remarks)
Depleted	d Below Dark Surface	e (A11)	Depleted N	∕latrix (F	3)				
Thick Da	ark Surface (A12)		Redox Dar	k Surfac	e (F6)			³ Indicator	s of hydrophytic vegetation and
Sandy M	lucky Mineral (S1)		Depleted D	ark Sur	face (F7)			wetla	nd hydrology must be present,
2.5 cm M	Mucky Peat or Peat (S2) (LRR G)	Redox Dep	ression	s (F8)			unles	s disturbed or problematic.
Restrictive	Layer (if observed):								
Type:			_						
Depth (ii	nches):		_				Hydric So	oil Present	? Yes No X
Remarks:						•			
HYDROLC	GY								
Wetland Hy	drology Indicators:								
	cators (minimum of c	ne is require	d; check all that a	apply)				Secondar	y Indicators (2 or more required)
-	Water (A1)		Water-Stai		ives (B9)	(ехсер	t		r-Stained Leaves (B9) (MLRA 1, 2
High Wa	ater Table (A2)		MLRA	1, 2, 4A,	and 4B)				A, and 4B)
Saturation	on (A3)		Salt Crust	(B11)				Drain	age Patterns (B10)
Water M	larks (B1)		Aquatic Inv	/ertebra	tes (B13)			Dry-S	season Water Table (C2)
Sedimer	nt Deposits (B2)		Hydrogen	Sulfide (Odor (C1)			Satur	ation Visible on Aerial Imagery (C9)
Drift Dep	oosits (B3)		Oxidized R	hizosph	eres on L	iving R	oots (C3)	Geon	norphic Position (D2)
Algal Ma	at or Crust (B4)		Presence	of Reduc	ced Iron (C4)		Shalle	ow Aquitard (D3)
Iron Dep	oosits (B5)		Recent Iro	n Reduc	tion in Til	led Soil	ls (C6)	FAC-	Neutral Test (D5)
Surface	Soil Cracks (B6)		Stunted or	Stresse	d Plants	(D1) (L l	RR A)		ed Ant Mounds (D6) (LRR A)
Inundati	on Visible on Aerial I	magery (B7)	Other (Exp	lain in F	Remarks)			Frost	-Heave Hummocks (D7)
Sparsely	/ Vegetated Concave	Surface (B8)						
Field Obser	vations:	·							
Surface Wat	er Present? Ye	es			nches):				
Water Table				Depth (i					
Saturation P		es	No <u>x</u>	Depth (i	nches): _		Wetlan	d Hydrolog	yy Present? Yes No _X
(includes cap			Andrew II	ا ما سا		. I.u	Hame V 15	allalata.	
Describe Re	corded Data (stream	gauge, moni	toring well, aerial	pnotos	, previous	inspec	cuons), if ava	allable:	
Remarks:									
nemarks.									

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Project/Site: Post Creek Hill - US 93		City/Cou	nty: Lake		Sampling Date:	9-16-2024	
Applicant/Owner: MDT		State: MT Sampling Point: UDP 31-					
Investigator(s): B.Cline, F.Doty		Section, T	ownship, Ra	inge: S12 T19N R20W			
Landform (hillside, terrace, etc.): roadside		 Local relief (co	oncave, conv	/ex, none): convex	Slop	pe (%): 0-5	
Subregion (LRR/MLRA): LRR E, MLRA 44A	Lat:	47.42641	7	Long: -114.096688	 Datum:	NAD83	
Soil Map Unit Name: Post-Ronan-Water complex, 2				NWI classif	ication: none		
Are climatic / hydrologic conditions on the site typica	I for this time o	f year?	Yes X	No (If no, exp	lain in Remarks.)		
Are Vegetation , Soil , or Hydrology						0	
Are Vegetation, Soil, or Hydrology							
SUMMARY OF FINDINGS – Attach site r						tures, etc.	
Hydrophytic Vegetation Present? Yes	No X	Is the	Sampled A	rea			
	No X		n a Wetland		No X		
Wetland Hydrology Present? Yes	No X						
Remarks:		<u>.</u>					
VEGETATION – Use scientific names of	plants.						
	Absolute	Dominant	Indicator				
Tree Stratum (Plot size: 30')	% Cover	Species?	Status	Dominance Test wor			
1	_			Number of Dominant S Are OBL, FACW, or FA	•	0 (A)	
						0 (A)	
3. 4.				Total Number of Domi Across All Strata:	nant Species	2 (B)	
		=Total Cover		Percent of Dominant S	Species That	(-/	
Sapling/Shrub Stratum (Plot size: 30')			Are OBL, FACW, or F	•	0.0% (A/B)	
1							
2				Prevalence Index wo			
3.				Total % Cover of			
4	_			OBL species 0		0	
5	_	=Total Cover		FACW species 0 FAC species 19		<u>0</u> 45	
Herb Stratum (Plot size: 30')		- I Olai Covei		FACU species 0		0	
1. Bromus inermis	35	Yes	UPL	UPL species 70		350	
2. Thinopyrum intermedium	25	Yes	UPL	Column Totals: 85		395 (B)	
3. Elymus trachycaulus	15	No	FAC	Prevalence Index :	= B/A = 4.65	5	
4. Centaurea stoebe	10	No	UPL				
5	_			Hydrophytic Vegetati			
6.	_			·	Hydrophytic Veget	ation	
7				2 - Dominance Te 3 - Prevalence Ind			
8. 9.					lex is ≤3.0 Adaptations¹(Provid	de supportina	
9	_				s or on a separate		
11.				5 - Wetland Non-\	/ascular Plants ¹	•	
	85	=Total Cover		Problematic Hydro	ophytic Vegetation ¹	(Explain)	
Woody Vine Stratum (Plot size: 30')			¹ Indicators of hydric so	oil and wetland hyd	rology must	
1	_			be present, unless dis			
2				Hydrophytic			
		=Total Cover		Vegetation			
% Bare Ground in Herb Stratum				Present? Yes	No X		
Remarks:							

SOIL Sampling Point: UDP 31-24

Profile Desc Depth	cription: (Describe	to the depth		ıment t x Featuı		tor or o	confirm the	absence of	indicators.)	
(inches)	Color (moist)	%	Color (moist)	% «	Type ¹	Loc ²	Tex	ture		Remarks	
0-4	10YR 3/2	100	Color (molet)		- 7 -			/Clayey		roots presen	t
	-										
4-16	10YR 3/2	100					Loamy	Clayey	20%	gravel; comp	acteu
	•										
¹Type: C=Co	oncentration, D=Dep	letion, RM=F	Reduced Matrix, C	S=Cove	ered or Co	oated S	and Grains.	² Locati	on: PL=Por	e Lining, M=	Matrix.
Hydric Soil	Indicators: (Applica	ble to all LI	RRs, unless othe	rwise n	oted.)					natic Hydric	
Histosol	(A1)		Sandy Gle	yed Mat	trix (S4)			2 cm M	luck (A10) (LRR A, E)	
Histic Ep	oipedon (A2)		Sandy Red	dox (S5)				Iron-Ma	anganese M	lasses (F12)	(LRR D)
Black Hi	stic (A3)		Stripped M	latrix (S	6)			Red Pa	arent Materia	al (F21)	
Hydroge	n Sulfide (A4)		Loamy Mu	cky Min	eral (F1) (except	MLRA 1)	Very S	hallow Dark	Surface (F2	2)
1 cm Mu	ıck (A9) (LRR D, G)		Loamy Gle	yed Ma	trix (F2)			Other (Explain in R	Remarks)	
Depleted	d Below Dark Surface	e (A11)	Depleted N	∕latrix (F	3)						
	ark Surface (A12)		Redox Dar		` '					tic vegetatio	
	lucky Mineral (S1)		Depleted D		, ,					must be pre	
	Mucky Peat or Peat (Redox Dep	pression	ıs (F8)			unless	disturbed or	r problematio	;.
	Layer (if observed):										
Type:			_								
Depth (ir	nches):		_				Hydric S	oil Present?		Yes	No X
Remarks:											
HYDROLO)GY										
Wetland Hy	drology Indicators:										
_	cators (minimum of o	ne is require	ed; check all that a	apply)				Secondary	Indicators (2 or more re	guired)
Surface	Water (A1)	-	Water-Stai	ned Lea	aves (B9)	(excep	t	Water-	Stained Lea	ves (B9) (M	LRA 1, 2
High Wa	ater Table (A2)		MLRA	1, 2, 4A	, and 4B)				and 4B)	, , ,	
Saturation	on (A3)		Salt Crust	(B11)				Draina	ge Patterns	(B10)	
Water M	larks (B1)		Aquatic Inv	/ertebra	tes (B13)			Dry-Se	ason Water	Table (C2)	
Sedimer	nt Deposits (B2)		Hydrogen	Sulfide	Odor (C1))		Saturat	tion Visible	on Aerial Ima	agery (C9)
	oosits (B3)		Oxidized R	Rhizosph	eres on L	iving R	oots (C3)	Geomo	orphic Positi	on (D2)	
	at or Crust (B4)		Presence of						v Aquitard (I	-	
	osits (B5)		Recent Iro				` ,		eutral Test (
	Soil Cracks (B6)	(5.5)	Stunted or			(D1) (L l	RR A)			s (D6) (LRR	A)
	on Visible on Aerial I	,		olain in F	Remarks)				leave Humn	nocks (D7)	
	Vegetated Concave	в Ѕипасе (Ва	3)								
Field Obser				D 11 /							
Surface Wat		es			inches):						
Water Table Saturation P					inches):		Wetlen	d Usalaasa	. Dracant?	Vaa	No. V
(includes cap		<u> </u>	No <u>x</u>	Deptii (inches):		vveilan	d Hydrology	Present?	res	No X
	corded Data (stream	dalide mor	itoring well_aeria	Inhotos	previous	inspec	tions) if av	ailable:			
200011001100	ss. aca Data (stream	gaago, moi		. p. 10103	, p. 0 1 10 us	opc0	,, ii ave				
Remarks:											

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Project/Site: Post Creek Hill - US 93		City/Cour	nty: Lake		Sampling Date	e: <u>9-16-2024</u>
Applicant/Owner: MDT			-	State: MT	Sampling Poin	t: UDP 32-24
Investigator(s): B.Cline, F.Doty		Section, T	ownship, Ra	nge: S12 T19N R20W		
Landform (hillside, terrace, etc.): roadside		 Local relief (co	oncave, conv	ex, none): convex	S	lope (%): 0-5
Subregion (LRR/MLRA): LRR E, MLRA 44A	Lat:	47.42807	'2 l	ong: -114.096499	 Datum	n: NAD93
Soil Map Unit Name: Post-Ronan-Water complex, 2	to 8 percent slo	opes		NWI class	ification: none	
Are climatic / hydrologic conditions on the site typica	al for this time o	f year?	Yes X	No (If no, ex	plain in Remarks.)
Are Vegetation, Soil, or Hydrology	significantly	disturbed? A	re "Normal C	 Circumstances" present	? Yes X	No
Are Vegetation, Soil, or Hydrology				plain any answers in Re	· 	
SUMMARY OF FINDINGS – Attach site	<u>-</u>		g point lo	cations, transects	, important fe	atures, etc.
Hydrophytic Vegetation Present? Yes	No X	Is the	Sampled A	rea		
Hydric Soil Present? Yes	No X	withi	n a Wetland	? Yes	No X	
Wetland Hydrology Present? Yes	No X					
VEGETATION – Use scientific names o	f plants.					
<u>Tree Stratum</u> (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test wo	rkshoot:	
1	70 OOVCI	Орссісэ:	Otatus	Number of Dominant		
2.				Are OBL, FACW, or I	•	1 (A)
3.				Total Number of Dom Across All Strata:	ninant Species	2 (B)
		=Total Cover		Percent of Dominant	Species That	(D)
Sapling/Shrub Stratum (Plot size: 30')			Are OBL, FACW, or I	•	50.0% (A/B)
2.				Prevalence Index w	orksheet:	
3.				Total % Cover o	f: Multi	ply by:
4.				· · · · · · · · · · · · · · · · · · ·	0 x 1 =	0
5		T-4-1 0		· · · · · · · · · · · · · · · · · · ·	0 x 2 =	0
Herb Stratum (Plot size: 30')		=Total Cover			55 x 3 = 40 x 4 =	165 160
1. Elymus trachycaulus	50	Yes	FAC	· —	0 x5=	0
Cirsium arvense	5	No	FAC		95 (A)	325 (B)
3. Elymus lanceolatus 4.	40	Yes	FACU	Prevalence Index	``	.42
5.				Hydrophytic Vegeta	tion Indicators:	
6.					r Hydrophytic Veg	etation
7.				2 - Dominance T	est is >50%	
8.	_			3 - Prevalence In	dex is ≤3.0 ¹	
9					Adaptations ¹ (Pro	
10					ks or on a separa	te sheet)
11	95	=Total Cover		5 - Wetland Non- Problematic Hyd	-Vascular Plants¹ rophytic Vegetatic	on¹ (Explain)
Woody Vine Stratum (Plot size: 30')			¹ Indicators of hydric s		
1				be present, unless di		
2.		=Total Cover		Hydrophytic Vegetation		
% Bare Ground in Herb Stratum				Present? Yes	No	<u>X</u>
Remarks:						

SOIL Sampling Point: UDP 32-24

Profile Des	cription: (Describe	to the depth	needed to docu	ıment tl	ne indica	tor or c	confirm the	absence o	of indicators.)
Depth	Matrix		Redo	x Featur	es				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Tex	ture	Remarks
0-5	10YR 3/2						Loamy	Clayey_	roots present
5-16	10YR 4/4						Loamy	Clayey	compacted
,									·
-							-		
-									
¹ Type: C=C	oncentration, D=De	pletion, RM=F	Reduced Matrix, C	S=Cove	ered or Co	ated S	and Grains.	² Loca	ation: PL=Pore Lining, M=Matrix.
Hydric Soil	Indicators: (Applic	able to all LF	RRs, unless othe	rwise n	oted.)			Indicator	s for Problematic Hydric Soils ³ :
Histosol	(A1)		Sandy Gle	yed Mat	rix (S4)			2 cm	Muck (A10) (LRR A, E)
Histic E	pipedon (A2)		Sandy Red	lox (S5)				Iron-N	Manganese Masses (F12) (LRR D)
Black H	istic (A3)		Stripped M	atrix (S	3)			Red F	Parent Material (F21)
Hydroge	en Sulfide (A4)		Loamy Mu	cky Min	eral (F1) (except	MLRA 1)	Very	Shallow Dark Surface (F22)
1 cm Mu	uck (A9) (LRR D, G))	Loamy Gle	yed Ma	trix (F2)			Other	r (Explain in Remarks)
	d Below Dark Surfac	ce (A11)	Depleted N	∕latrix (F	3)				
Thick Da	ark Surface (A12)		Redox Dar		, ,				s of hydrophytic vegetation and
	Mucky Mineral (S1)		Depleted D		` '				nd hydrology must be present,
2.5 cm l	Mucky Peat or Peat	(S2) (LRR G)	Redox Dep	ression	s (F8)			unles	s disturbed or problematic.
Restrictive	Layer (if observed)):							
Type:			_						
Depth (i	nches):		_				Hydric So	oil Present	? Yes No X
Remarks:									
HYDROLC	OGY								
Wetland Hy	drology Indicators	:							
Primary Indi	cators (minimum of	one is require							y Indicators (2 or more required)
	Water (A1)		Water-Stai		, ,	(excep	t		r-Stained Leaves (B9) (MLRA 1, 2
	ater Table (A2)				and 4B)				A, and 4B)
Saturati			Salt Crust	-					age Patterns (B10)
	Marks (B1)		Aquatic Inv						Season Water Table (C2)
	nt Deposits (B2)		Hydrogen :		,		note (C2)		ration Visible on Aerial Imagery (C9)
	posits (B3) at or Crust (B4)		Oxidized R Presence			_	.00is (U3)		norphic Position (D2) ow Aquitard (D3)
	posits (B5)		Recent Iro		,	,	le (C6)		Neutral Test (D5)
	Soil Cracks (B6)		Stunted or				` '		ed Ant Mounds (D6) (LRR A)
	on Visible on Aerial	Imagery (B7)				(D1) (L 1	(((A)		-Heave Hummocks (D7)
	y Vegetated Concav			iani iii i	tomantoj				Tieuve Frammeene (27)
Field Obser							1		
Surface Wat		'es	No x	Denth (i	nches):				
Water Table		es		Depth (i	· -				
Saturation P		es		Depth (i			Wetlan	d Hydroloc	gy Present? Yes No X
	pillary fringe)			. (′ –			,	
	corded Data (strear	n gauge, mon	itoring well, aerial	photos	, previous	inspec	tions), if ava	ailable:	
Remarks:									

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Project/Site: Post Creek Hill - US 93		City/Cou	nty: Lake		Sampling Date:	9-16-2024
Applicant/Owner: MDT				State: MT	Sampling Point:	UDP 33-24
Investigator(s): B.Cline, F.Doty		Section, T	ownship, Ra	inge: S1 T19N R20W		
Landform (hillside, terrace, etc.): roadside		Local relief (co	oncave, con	vex, none): convex	Sloj	pe (%): <u>0-5</u>
Subregion (LRR/MLRA): LRR E, MLRA 44A	Lat:	47.42842	28	Long: -114.096063	Datum:	NAD83
Soil Map Unit Name: Post-Ronan-Water complex, 2	to 8 percent sl	opes		NWI classi	fication: none	
Are climatic / hydrologic conditions on the site typica	al for this time o	f year?	Yes X	No (If no, exp	plain in Remarks.)	
Are Vegetation, Soil, or Hydrology	significantly	disturbed? A	re "Normal (Circumstances" present?	Yes X N	o
Are Vegetation, Soil, or Hydrology	naturally pro	blematic? (If needed, ex	plain any answers in Re	marks.)	
SUMMARY OF FINDINGS – Attach site	— map showir	ng samplin	g point lo	cations, transects,	, important fea	tures, etc.
Hydrophytic Vegetation Present? Yes X	No	Is the	Sampled A	rea		
Hydric Soil Present? Yes	No X		n a Wetland		No X	
Wetland Hydrology Present? Yes	No X				· —	
Remarks:		•				
VEGETATION – Use scientific names o		Dominant	Indicator			
<u>Tree Stratum</u> (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test wo	rksheet:	
1				Number of Dominant	Species That	
2				Are OBL, FACW, or F	AC:	1 (A)
3.				Total Number of Dom	inant Species	
4	_	=Total Cover		Across All Strata:		1 (B)
Sapling/Shrub Stratum (Plot size: 30'	, ——	- Fotal Cover		Percent of Dominant : Are OBL, FACW, or F	•	00.0% (A/B)
1.				7.10 052, 17.011, 01.1	7.0. <u>10</u>	(742)
2.				Prevalence Index wo	orksheet:	
3				Total % Cover of		/ by:
4.				· -	0 x 1 =	0
5		=Total Cover		· ·	0 x 2 = 35 x 3 =	<u>0</u> 255
Herb Stratum (Plot size: 30')		- Total Cover		-	0 x4=	0
1. Dipsacus fullonum	10	No	FAC	· —	0 x 5 =	0
2. Elymus trachycaulus	75	Yes	FAC	Column Totals: 8	35 (A) :	255 (B)
3				Prevalence Index	= B/A = 3.00)
4.				Huduanhudia Vanatat	lian Indiantana	
56.			-	Hydrophytic Vegetat	non indicators: · Hydrophytic Veget	ation
7.				X 2 - Dominance Te		ation
8.				3 - Prevalence Inc	dex is ≤3.0 ¹	
9.					Adaptations ¹ (Providence)	
10					ks or on a separate	sheet)
11		T-1-1 0		5 - Wetland Non-		(-
Woody Vine Stratum (Plot size: 30'	85	=Total Cover		l 	ophytic Vegetation ¹	,
1				¹ Indicators of hydric s be present, unless dis		
2.				Hydrophytic		
_		=Total Cover		Vegetation		
% Bare Ground in Herb Stratum				Present? Yes	XNo	
Remarks:						

SOIL Sampling Point: UDP 33-24

Profile Des	cription: (Describe	to the depth	needed to docu	ıment tl	ne indica	tor or c	confirm the	absence o	of indicators.)
Depth	Matrix		Redo	x Featur	es				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Tex	ture	Remarks
0-5	10YR 3/2						Loamy	Clayey_	roots present
5-16	10YR 5/4						Loamy	Clayey	compacted
,									·
-									
-									
							•		
¹ Type: C=C	oncentration, D=De	pletion, RM=F	Reduced Matrix, C	S=Cove	ered or Co	ated S	and Grains.	² Loca	ition: PL=Pore Lining, M=Matrix.
Hydric Soil	Indicators: (Applic	able to all LF	RRs, unless othe	rwise n	oted.)			Indicator	s for Problematic Hydric Soils ³ :
Histosol	(A1)		Sandy Gle	yed Mat	rix (S4)			2 cm	Muck (A10) (LRR A, E)
Histic E	pipedon (A2)		Sandy Red	lox (S5)				Iron-N	Manganese Masses (F12) (LRR D)
Black H	istic (A3)		Stripped M	atrix (S	3)			Red F	Parent Material (F21)
Hydroge	en Sulfide (A4)		Loamy Mu	cky Min	eral (F1) (except	MLRA 1)	Very	Shallow Dark Surface (F22)
1 cm Mu	uck (A9) (LRR D, G))	Loamy Gle	yed Ma	trix (F2)			Other	(Explain in Remarks)
	d Below Dark Surfac	ce (A11)	Depleted N	∕latrix (F	3)				
Thick Da	ark Surface (A12)		Redox Dar		, ,				s of hydrophytic vegetation and
	Mucky Mineral (S1)		Depleted D		` '				nd hydrology must be present,
2.5 cm l	Mucky Peat or Peat	(S2) (LRR G)	Redox Dep	ression	s (F8)			unles	s disturbed or problematic.
Restrictive	Layer (if observed)):							
Type:			_						
Depth (i	nches):		<u> </u>				Hydric So	oil Present	? Yes No X
Remarks:									
HYDROLC	OGY								
Wetland Hy	drology Indicators	:							
Primary Indi	cators (minimum of	one is require							y Indicators (2 or more required)
	Water (A1)		Water-Stai		, ,	(excep	t		r-Stained Leaves (B9) (MLRA 1, 2
	ater Table (A2)				and 4B)				A, and 4B)
Saturati			Salt Crust	-					age Patterns (B10)
	Marks (B1)		Aquatic Inv						Season Water Table (C2)
	nt Deposits (B2)		Hydrogen		,				ration Visible on Aerial Imagery (C9)
	posits (B3)		Oxidized R			_	.00ts (C3)		norphic Position (D2)
	at or Crust (B4) posits (B5)		Recent Iro		,	,	lo (C6)		ow Aquitard (D3)
	Soil Cracks (B6)		Stunted or				` '		Neutral Test (D5) ed Ant Mounds (D6) (LRR A)
	on Visible on Aerial	Imagery (R7)				(D1) (L 1	IXIX A)		-Heave Hummocks (D7)
	y Vegetated Concav			iuiii iii i	torriarito)				Tioave Tallinooke (BT)
Field Obser									
Surface Wat		'es	No x	Denth (i	nches):				
Water Table		es		Depth (i	· -				
Saturation P		es		Depth (i			Wetlan	d Hydroloc	gy Present? Yes No X
	pillary fringe)			1 (_			J	<u> </u>
	corded Data (strear	n gauge, mon	itoring well, aeria	photos	, previous	inspec	tions), if ava	ailable:	
Remarks:									

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Project/Site: Post Creek Hill - US 93		City/Cour	nty: Lake		Sampling Date:	9-17-2024		
Applicant/Owner: MDT Sampling Point: UDP 34-24								
Investigator(s): B.Cline, F.Doty		Section, T	ownship, Ra	nge: S1 T19N R20W				
Landform (hillside, terrace, etc.): roadside		 Local relief (co	oncave, conv	ex, none): convex	Slo	ope (%): 5-10		
Subregion (LRR/MLRA): LRR E, MLRA 44A	Lat:	47.43083	30 L	.ong: -114.096501	Datum:	NAD83		
Soil Map Unit Name: Post-Ronan-Water complex, 2					fication: none			
Are climatic / hydrologic conditions on the site typica	I for this time o	f year?	Yes X	No (If no, ex	plain in Remarks.)			
Are Vegetation, Soil, or Hydrology								
Are Vegetation , Soil , or Hydrology					' 			
SUMMARY OF FINDINGS – Attach site r						atures, etc.		
Hydrophytic Vegetation Present? Yes	No X	Is the	Sampled A	rea				
	No X		n a Wetland		No X			
	No X							
Remarks:		•						
VEGETATION – Use scientific names of	nlante							
VEGETATION – Use scientific flames of	Absolute	Dominant	Indicator					
Tree Stratum (Plot size: 30')	% Cover	Species?	Status	Dominance Test wo	rksheet:			
1				Number of Dominant	•			
2.				Are OBL, FACW, or F	AC:	(A)		
3.				Total Number of Dom Across All Strata:	inant Species	2 (B)		
4.		=Total Cover			Chasias That	2 (B)		
Sapling/Shrub Stratum (Plot size: 30')	Total Gover		Percent of Dominant Are OBL, FACW, or F	•	50.0% (A/B		
1.	— ′			, ,		`		
2.				Prevalence Index wo	rksheet:			
3				Total % Cover of	f: Multip	ly by:		
4				· ·	0 x 1 =	0		
5				· ·	0 x 2 =	0		
Herb Stratum (Plot size: 30')		=Total Cover			8 x 3 =	32		
1. Cirsium arvense	5	No	FAC	· · · · · · · · · · · · · · · · · · ·	50 x 5 =	250		
Elymus trachycaulus	35	Yes	FAC		08 (A)	402 (B)		
3. Bromus inermis	40	Yes	UPL	Prevalence Index	 \' /	`` ′		
4. Plantago patagonica	10	No	UPL					
5. Capsella bursa-pastoris	8	No	FACU	Hydrophytic Vegetat	ion Indicators:			
6	_			1 - Rapid Test for	Hydrophytic Vege	etation		
7				2 - Dominance Te				
8.				3 - Prevalence In				
9.					Adaptations ¹ (Prov			
10				5 - Wetland Non-		s sileet)		
11	98	=Total Cover			vascular Plants ophytic Vegetation	¹ (Evolain)		
Woody Vine Stratum (Plot size: 30')	- rotal Gover		¹ Indicators of hydric s				
1	_'			be present, unless dis				
2.				Hydrophytic				
% Bare Ground in Herb Stratum		=Total Cover		Vegetation	No_X	<u>(</u>		
Remarks:								

SOIL Sampling Point: UDP 34-24

Profile Desc	ription: (Describe	to the depth	needed to docu	ıment tl	ne indica	tor or c	onfirm the	absence o	of indicators.)
Depth	Matrix		Redo	x Featur	es				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Tex	ture	Remarks
0-4	10YR 3/3						Loamy	/Clayey	roots present
4-8	10YR 3/3						Loamy	/Clayey	
8-16	10YR 5/3						Loamy	/Clavev	
			-					- , ,	
								_	
							_		
¹ Type: C=Ce	oncentration, D=De	pletion, RM=F	Reduced Matrix, C	S=Cove	ered or Co	ated S	and Grains.	² Loca	tion: PL=Pore Lining, M=Matrix.
Hydric Soil	Indicators: (Applic	able to all LF	RRs, unless othe	rwise n	oted.)			Indicator	s for Problematic Hydric Soils ³ :
Histosol	(A1)		Sandy Gle	yed Mat	rix (S4)			2 cm	Muck (A10) (LRR A, E)
Histic Ep	oipedon (A2)		Sandy Red	dox (S5)				Iron-N	Manganese Masses (F12) (LRR D)
Black Hi	stic (A3)		Stripped M	latrix (S6	3)			Red F	Parent Material (F21)
Hydroge	n Sulfide (A4)		Loamy Mu	cky Mine	eral (F1) (except	MLRA 1)	Very	Shallow Dark Surface (F22)
1 cm Mu	ıck (A9) (LRR D, G)		Loamy Gle	yed Ma	trix (F2)			Other	(Explain in Remarks)
Depleted	d Below Dark Surfac	ce (A11)	Depleted N	∕latrix (F	3)				
Thick Da	ark Surface (A12)		Redox Dar	k Surfac	e (F6)				s of hydrophytic vegetation and
Sandy M	lucky Mineral (S1)		Depleted D	Oark Sur	face (F7)			wetla	nd hydrology must be present,
2.5 cm N	Mucky Peat or Peat	(S2) (LRR G)	Redox Dep	oression	s (F8)			unles	s disturbed or problematic.
Restrictive	Layer (if observed)	:							
Type:			_						
Depth (ii	nches):		_				Hydric So	oil Present	? Yes No X
Remarks:						•			
HYDROLO	GY								
Wetland Hy	drology Indicators	:							
_	cators (minimum of		ed; check all that a	apply)				Secondar	y Indicators (2 or more required)
Surface	Water (A1)		Water-Stai	ned Lea	ives (B9)	(ехсер	t	Water	r-Stained Leaves (B9) (MLRA 1, 2
High Wa	ater Table (A2)		MLRA	1, 2, 4A,	and 4B)			<u> </u>	A, and 4B)
Saturation	on (A3)		Salt Crust	(B11)				Draina	age Patterns (B10)
Water M	larks (B1)		Aquatic Inv	/ertebra	tes (B13)			Dry-S	eason Water Table (C2)
Sedimer	nt Deposits (B2)		Hydrogen	Sulfide (Odor (C1)			Satur	ation Visible on Aerial Imagery (C9)
Drift Dep	oosits (B3)		Oxidized R			_	oots (C3)	Geom	norphic Position (D2)
Algal Ma	at or Crust (B4)		Presence of	of Reduc	ced Iron (C4)		Shallo	ow Aquitard (D3)
Iron Dep	osits (B5)		Recent Iro	n Reduc	tion in Til	led Soil	ls (C6)	FAC-I	Neutral Test (D5)
	Soil Cracks (B6)		Stunted or			(D1) (L l	RR A)		ed Ant Mounds (D6) (LRR A)
	on Visible on Aerial			lain in F	Remarks)			Frost-	-Heave Hummocks (D7)
Sparsely	Vegetated Concav	e Surface (B8	3)						
Field Obser	vations:								
Surface Wat		es			nches): _				
Water Table		es		Depth (i					
Saturation P		es	No <u>x</u>	Depth (i	nches):		Wetlan	d Hydrolog	yy Present? Yes No _X_
(includes cap			itania a II	ا ما ما	mar.d	· · · · ·	diame) if	allalata.	
Describe Re	corded Data (strear	n gauge, mon	itoring well, aeria	pnotos	, previous	inspec	uons), it ava	allable:	
Remarks:									
nemarks.									

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Project/Site: Post Creek Hill - US 93		City/Cour	nty: Lake		Sampling Date	9-17-2024		
Applicant/Owner: MDT State: MT Sampling Point: UDP 35								
Investigator(s): B.Cline, F.Doty		Section, T	ownship, Ra	nge: S1 T19N R20W				
Landform (hillside, terrace, etc.): field		 Local relief (co	oncave, conv	ex, none): convex	SI	ope (%): 0-5		
Subregion (LRR/MLRA): LRR E, MLRA 44A	Lat:	47.43206	63 L	ong: -114.096536	Datum	: NAD83		
Soil Map Unit Name: Post silty clay loam, 2 to 4 per	cent slopes		-	NWI classi	fication: none			
Are climatic / hydrologic conditions on the site typica	al for this time o	f year?	Yes X	No (If no, exp	olain in Remarks.))		
Are Vegetation, Soil, or Hydrology	significantly							
Are Vegetation , Soil , or Hydrology								
SUMMARY OF FINDINGS – Attach site i						atures, etc.		
Hydrophytic Vegetation Present? Yes	No X	Is the	Sampled A	rea				
	No X		n a Wetland		No X			
	No X				· · · · · · · · · · · · · · · · · · ·			
Remarks: VEGETATION – Use scientific names of	f plants							
VEGETATION - Use scientific flames of	Absolute	Dominant	Indicator					
Tree Stratum (Plot size: 30')	% Cover	Species?	Status	Dominance Test wo	rksheet:			
1				Number of Dominant	Species That			
2				Are OBL, FACW, or F	AC:	1 (A)		
3. 4.				Total Number of Dom Across All Strata:	inant Species	2 (B)		
		=Total Cover		Percent of Dominant	—— Species That	\		
Sapling/Shrub Stratum (Plot size: 30')			Are OBL, FACW, or F	•	50.0% (A/B)		
1								
2.				Prevalence Index wo				
3.				Total % Cover of		oly by:		
4 5.) x1=) x2=	0		
J		=Total Cover			5 x3=	105		
Herb Stratum (Plot size: 30')					0 x 4 =	40		
1. Cirsium arvense	5	No	FAC		0 x 5 =	250		
2. Elymus trachycaulus	30	Yes	FAC	Column Totals: 9	5 (A)	395 (B)		
3. Bromus inermis	40	Yes	UPL	Prevalence Index	= B/A = 4.	16		
4. Plantago patagonica	10	No	UPL					
5. Capsella bursa-pastoris	10	No	FACU	Hydrophytic Vegetat				
6.				1 - Rapid Test for	, , , ,	etation		
7.				2 - Dominance Te				
8.				3 - Prevalence Inc				
9. 10.				4 - Morphological	Adaptations (Prov s or on a separat			
10 11.				5 - Wetland Non-		o ooot,		
· · · · · · · · · · · · · · · · · · ·	95	=Total Cover		Problematic Hydr		n ¹ (Explain)		
Woody Vine Stratum (Plot size: 30')	rotal corol		¹ Indicators of hydric s				
1	′ 			be present, unless dis				
2				Hydrophytic				
% Bare Ground in Herb Stratum		=Total Cover		Vegetation	No	X_		
Remarks:								

SOIL Sampling Point: UDP 35-24

Profile Desc	ription: (Describe	to the depth	needed to docu	ıment tl	ne indica	tor or c	confirm the	absence o	of indicators.)
Depth	Matrix		Redo	x Featur	es				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Tex	ture	Remarks
0-4	10YR 3/3						Loamy	/Clayey	roots present
4-8	10YR 3/3						Loamy	/Clayey	
8-16	10YR 5/3						Loamy	/Clayey	
								- , ,	
								_	
	-								
¹ Type: C=C	oncentration, D=De	pletion, RM=F	Reduced Matrix, C	S=Cove	ered or Co	ated S	and Grains.	² Loca	tion: PL=Pore Lining, M=Matrix.
Hydric Soil	Indicators: (Applic	able to all LI	RRs, unless othe	rwise n	oted.)			Indicator	s for Problematic Hydric Soils ³ :
Histosol	(A1)		Sandy Gle	yed Mat	rix (S4)			2 cm	Muck (A10) (LRR A, E)
Histic Ep	oipedon (A2)		Sandy Red	dox (S5)				Iron-N	Manganese Masses (F12) (LRR D)
Black Hi	stic (A3)		Stripped M	latrix (S6	6)			Red F	Parent Material (F21)
Hydroge	n Sulfide (A4)		Loamy Mu	cky Mine	eral (F1) (except	MLRA 1)	Very	Shallow Dark Surface (F22)
1 cm Mu	ıck (A9) (LRR D, G)		Loamy Gle	-				Other	(Explain in Remarks)
	d Below Dark Surfac	ce (A11)	Depleted N	•	,			2	
	ark Surface (A12)		Redox Dar		, ,				s of hydrophytic vegetation and
	lucky Mineral (S1)		Depleted D		` '				nd hydrology must be present,
2.5 cm N	Mucky Peat or Peat	(S2) (LRR G)	Redox Dep	oression	s (F8)			unles	s disturbed or problematic.
Restrictive	Layer (if observed)	:							
Type:			_						
Depth (ii	nches):						Hydric S	oil Present	? Yes No X
Remarks:									
HYDROLO	GY								
Wetland Hy	drology Indicators	:							
Primary India	cators (minimum of	one is require							y Indicators (2 or more required)
	Water (A1)		Water-Stai		, ,	(excep	t		r-Stained Leaves (B9) (MLRA 1, 2
	iter Table (A2)				and 4B)				A, and 4B)
Saturation			Salt Crust						age Patterns (B10)
	larks (B1)		Aquatic In\						Season Water Table (C2)
	nt Deposits (B2)		Hydrogen		,		(00)		ration Visible on Aerial Imagery (C9)
	posits (B3)		Oxidized R Presence of			_	.oots (C3)		norphic Position (D2)
	at or Crust (B4) posits (B5)		Recent Iro		,	,	lo (C6)		ow Aquitard (D3)
	Soil Cracks (B6)		Stunted or				` '		Neutral Test (D5) ed Ant Mounds (D6) (LRR A)
	on Visible on Aerial	Imagery (R7)				(D1) (L 1	NN A)		-Heave Hummocks (D7)
	Vegetated Concav			nam m	cinana,				-ricave ridiffficors (D1)
Field Obser									
Surface Wat		es	No x	Denth (i	nches):				
Water Table		es		Depth (i	· -				
Saturation P		es		Depth (i			Wetlan	d Hydrolog	gy Present? Yes No X
(includes car				r ('	/			, c.og	<u>,,</u>
	corded Data (stream	n gauge, mor	itoring well, aerial	l photos.	, previous	inspec	tions), if ava	ailable:	
	<u> </u>	<u> </u>					·		
Remarks:									

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Project/Site: Post Creek Hill - US 93		City/Cour	nty: Lake		Sampling Date:	9-17-2024
Applicant/Owner: MDT	State: MT	Sampling Point:	UDP 36-24			
Investigator(s): B.Cline, F.Doty	nge: S2 T19N R20W					
Landform (hillside, terrace, etc.): field		Local relief (co	oncave, conv	vex, none): convex	Slop	pe (%): <u>0-5</u>
Subregion (LRR/MLRA): LRR E, MLRA 44A	Lat:	47.43163	36 I	_ong:114.097408	Datum:	NAD83
Soil Map Unit Name: Post silty clay loam, 2 to 4 per	cent slopes			NWI classi	fication: none	
Are climatic / hydrologic conditions on the site typical	al for this time o	f year?	Yes X	No (If no, exp	olain in Remarks.)	
Are Vegetation, Soil, or Hydrology	significantly	disturbed? A	re "Normal (Circumstances" present?	Yes_X_ N	0
Are Vegetation , Soil , or Hydrology	naturally prol	blematic? (I	If needed, ex	plain any answers in Re	marks.)	
SUMMARY OF FINDINGS – Attach site i	— map showin	ng samplin	g point lo	cations, transects,	important feat	tures, etc.
Hydrophytic Vegetation Present? Yes X	No	Is the	Sampled A	rea		
	No X		n a Wetland		No X	
Wetland Hydrology Present? Yes	No X					
Remarks:						
VEGETATION – Use scientific names of	f plants.					
<u>Tree Stratum</u> (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test wo	rkshoot:	
1	70 00001	Орсскоз:	Otatus	Number of Dominant		
2.				Are OBL, FACW, or F	•	1 (A)
3.				Total Number of Dom	inant Species	
4				Across All Strata:	·	1 (B)
	<u> </u>	=Total Cover		Percent of Dominant	•	10 00/ /A/D
Sapling/Shrub Stratum (Plot size: 30')			Are OBL, FACW, or F	AC: 10	0.0% (A/B)
				Prevalence Index wo	orksheet:	
3.				Total % Cover of		/ by:
4.				OBL species	x 1 =	0
5.				· · ·	x 2 =	0
		=Total Cover		· -		255
Herb Stratum (Plot size: 30')	15	No	FAC		x 4 =	20
Cirsium arvense Phalaris arundinacea	70	No Yes	FAC FAC	· —	$\frac{0}{0}$ x 5 =	0 275 (B)
Verbascum thapsus	5	No	FACU	Prevalence Index	()	
4.						
5.				Hydrophytic Vegetat	ion Indicators:	
6.				1 - Rapid Test for	Hydrophytic Veget	ation
7				X 2 - Dominance Te		
8				3 - Prevalence Inc		
9.					Adaptations ¹ (Provio ss or on a separate	
10 11.				5 - Wetland Non-		Silect)
· · · · · · · · · · · · · · · · · · ·	90	=Total Cover			vasculai Flants ophytic Vegetation ¹	(Explain)
Woody Vine Stratum (Plot size: 30')	rotal corol		¹ Indicators of hydric s		
1.	_ ′			be present, unless dis		
2.				Hydrophytic		
0/ Para Craund in Harb Strature		=Total Cover		Vegetation	V N-	
% Bare Ground in Herb Stratum				Present? Yes	X No	
Remarks:						

SOIL Sampling Point: UDP 36-24

Profile Desc	cription: (Describe	to the depth	needed to docu	ıment tl	ne indica	tor or c	onfirm the	absence c	of indicators.)
Depth	Matrix		Redo	x Featur	es				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Text	ture	Remarks
0-4	10YR 3/2	100					Loamy/	Clayey	roots present
4-8	10YR 3/2	100					Loamy/	Clayey	
8-16	10YR 4/2	100					Loamy/	/Clavev	no redox
		. — —							
	-	· — —							
	-								
¹ Type: C=C	oncentration, D=Dep	letion, RM=R	educed Matrix, C	S=Cove	ered or Co	ated S	and Grains.	² Loca	ation: PL=Pore Lining, M=Matrix.
Hydric Soil	Indicators: (Applica	ble to all LR	Rs, unless othe	rwise n	oted.)			Indicator	s for Problematic Hydric Soils ³ :
Histosol	(A1)		Sandy Gle	yed Mat	rix (S4)			2 cm	Muck (A10) (LRR A, E)
Histic Ep	oipedon (A2)		Sandy Red	dox (S5)				Iron-N	Manganese Masses (F12) (LRR D)
Black Hi	stic (A3)		Stripped M	latrix (S6	3)			Red F	Parent Material (F21)
Hydroge	n Sulfide (A4)		Loamy Mu	cky Mine	eral (F1) (except	MLRA 1)	Very	Shallow Dark Surface (F22)
1 cm Mu	ıck (A9) (LRR D, G)		Loamy Gle	yed Ma	trix (F2)			Other	r (Explain in Remarks)
Depleted	d Below Dark Surface	e (A11)	Depleted N	∕latrix (F	3)				
Thick Da	ark Surface (A12)		Redox Dar	k Surfac	e (F6)			³ Indicator	s of hydrophytic vegetation and
Sandy M	lucky Mineral (S1)		Depleted D	Oark Sur	face (F7)			wetla	nd hydrology must be present,
2.5 cm M	Mucky Peat or Peat (S2) (LRR G)	Redox Dep	oression	s (F8)			unles	s disturbed or problematic.
Restrictive	Layer (if observed):								
Type:			_						
Depth (ii	nches):		_				Hydric So	oil Present	? Yes No X
Remarks:						•			
HYDROLC)GY								
Wetland Hy	drology Indicators:								
_	cators (minimum of c	ne is require	d; check all that a	apply)				Secondar	y Indicators (2 or more required)
Surface	Water (A1)		Water-Stai	ned Lea	ives (B9)	(excep	t	Wate	r-Stained Leaves (B9) (MLRA 1, 2
High Wa	ater Table (A2)		MLRA	1, 2, 4A,	and 4B)			<u> </u>	A, and 4B)
Saturation	on (A3)		Salt Crust	(B11)				Drain	age Patterns (B10)
Water M	larks (B1)		Aquatic Inv	/ertebra	tes (B13)			Dry-S	Season Water Table (C2)
Sedimer	nt Deposits (B2)		Hydrogen	Sulfide (Odor (C1)			Satur	ration Visible on Aerial Imagery (C9)
Drift Dep	oosits (B3)		Oxidized R			_	oots (C3)	Geon	norphic Position (D2)
Algal Ma	at or Crust (B4)		Presence of	of Reduc	ced Iron (C4)		Shall	ow Aquitard (D3)
Iron Dep	oosits (B5)		Recent Iro	n Reduc	tion in Til	led Soil	s (C6)	FAC-	Neutral Test (D5)
	Soil Cracks (B6)		Stunted or			(D1) (L l	RR A)		ed Ant Mounds (D6) (LRR A)
	on Visible on Aerial I		Other (Exp	lain in F	Remarks)			Frost	-Heave Hummocks (D7)
Sparsely	/ Vegetated Concave	Surface (B8	5)						
Field Obser									
Surface Wat					nches): _				
Water Table				Depth (i			1		
Saturation P		es	No <u>x</u>	Depth (i	nches):		Wetland	d Hydrolog	gy Present? Yes No _X
(includes cap		agues	itaring	nh -+ -	nec d	in	tions\ !f =:	ailah!a	
Describe Re	corded Data (stream	gauge, mon	itoring well, aerial	pnotos	, previous	inspec	uons), it ava	allable:	
Remarks:									
nemarks.									

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Project/Site: Post Creek Hill - US 93		City/Cou	nty: Lake		Sampling Date:	9-17-2024
Applicant/Owner: MDT				State: MT	Sampling Point:	UDP 37-24
Investigator(s): B.Cline, F.Doty		Section, T	ownship, Ra	ange: S2 T19N R20W		
Landform (hillside, terrace, etc.): field		Local relief (co	oncave, con	vex, none): convex	Slop	oe (%): 0-5
Subregion (LRR/MLRA): LRR E, MLRA 44A	Lat:	47.43163	80	Long: <u>-114.097394</u>	Datum:	NAD83
Soil Map Unit Name: Post silty clay loam, 2 to 4 per	rcent slopes			NWI classi	fication: none	
Are climatic / hydrologic conditions on the site typical	al for this time o	f year?	Yes X	No (If no, exp	olain in Remarks.)	
Are Vegetation, Soil, or Hydrology	significantly	disturbed? A	Are "Normal (Circumstances" present?	Yes X No	
Are Vegetation, Soil, or Hydrology	naturally pro	blematic? (If needed, ex	xplain any answers in Re	marks.)	
SUMMARY OF FINDINGS – Attach site	map showir	ng samplin	g point lo	cations, transects,	important feat	tures, etc.
Hydrophytic Vegetation Present? Yes	No X	Is the	Sampled A	Area		
Hydric Soil Present? Yes	No X		n a Wetland		No X	
Wetland Hydrology Present? Yes	No X					
Remarks:						
VEGETATION – Use scientific names o	f nlants					
TEGETATION COCCIONATION NATIONS OF	Absolute	Dominant	Indicator	1		
Tree Stratum (Plot size: 30')	% Cover	Species?	Status	Dominance Test wor	ksheet:	
1.				Number of Dominant	•	1 (A)
3.				Are OBL, FACW, or F		1 (A)
4.				Total Number of Dom Across All Strata:	nant Species	2 (B)
		=Total Cover		Percent of Dominant S	Species That	
Sapling/Shrub Stratum (Plot size: 30')			Are OBL, FACW, or F	AC: <u>50</u>	0.0% (A/B)
Prunus virginiana 2.	40	Yes	FACU	Prevalence Index wo		
3.				Total % Cover of		v bv:
4.					x 1 =	0
5.				FACW species () x 2 =	0
	40	=Total Cover		'		135
Herb Stratum (Plot size: 30') 1. Cirsium arvense	5	No	FAC	FACU species 4 UPL species (1 <u>60</u> 0
Dipsacus fullonum	40	Yes	FAC	-		295 (B)
3.				Prevalence Index	`	``
4						
5.				Hydrophytic Vegetat		-4:
6. 7.				2 - Dominance Te	Hydrophytic Vegeta	ation
8.				3 - Prevalence Inc		
9.				4 - Morphological	Adaptations ¹ (Provid	de supporting
10					s or on a separate	sheet)
11				5 - Wetland Non-		(F. 1 ·)
Woody Vine Stratum (Plot size: 30'	<u>45</u>	=Total Cover			ophytic Vegetation ¹	` ' '
				¹ Indicators of hydric so be present, unless dis		
1. 2.				Hydrophytic		-
		=Total Cover		Vegetation		
% Bare Ground in Herb Stratum				Present? Yes	No <u>X</u>	_
Remarks:						

SOIL Sampling Point: UDP 37-24

Profile Des	cription: (Describe	to the depth	needed to docu	ıment tl	ne indica	tor or c	confirm the	absence o	of indicators.)
Depth	Matrix		Redo	x Featur	es				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Tex	ture	Remarks
0-6	10YR 3/3						Loamy/	Clayey_	roots present from 0-4"
6-16	10YR 5/2		_				Loamy/	Clayey	no redox
,	. •								
-									
•	· -						-		
							-		
									,
¹ Type: C=C	oncentration, D=De	pletion, RM=F	Reduced Matrix, C	S=Cove	ered or Co	ated S	and Grains.	² Loca	ation: PL=Pore Lining, M=Matrix.
Hydric Soil	Indicators: (Applic	able to all Li	RRs, unless othe	rwise n	oted.)			Indicator	s for Problematic Hydric Soils ³ :
Histosol	(A1)		Sandy Gle	yed Mat	rix (S4)			2 cm	Muck (A10) (LRR A, E)
Histic E	pipedon (A2)		Sandy Red	dox (S5)				Iron-N	Manganese Masses (F12) (LRR D)
Black H	istic (A3)		Stripped M	latrix (S6	3)			Red F	Parent Material (F21)
Hydroge	en Sulfide (A4)		Loamy Mu	cky Mine	eral (F1) (except	MLRA 1)	Very	Shallow Dark Surface (F22)
1 cm Mu	uck (A9) (LRR D, G))	Loamy Gle	yed Ma	trix (F2)			Other	r (Explain in Remarks)
Deplete	d Below Dark Surfa	ce (A11)	Depleted N	∕latrix (F	3)				
Thick Da	ark Surface (A12)		Redox Dar	k Surfac	ce (F6)				s of hydrophytic vegetation and
	Mucky Mineral (S1)		Depleted D		, ,				nd hydrology must be present,
2.5 cm l	Mucky Peat or Peat	(S2) (LRR G)	Redox Dep	oression	s (F8)			unles	s disturbed or problematic.
Restrictive	Layer (if observed)):							
Type:									
Depth (i	nches):		_				Hydric So	oil Present	? Yes <u>No X</u>
Remarks:									
HYDROLC	OGY								
Wetland Hy	drology Indicators	:							
Primary Indi	cators (minimum of	one is require	ed; check all that a	apply)				Secondar	y Indicators (2 or more required)
Surface	Water (A1)		Water-Stai		, ,	(excep	t	Wate	er-Stained Leaves (B9) (MLRA 1, 2
	ater Table (A2)				and 4B)				A, and 4B)
Saturati			Salt Crust						age Patterns (B10)
	Marks (B1)		Aquatic Inv						Season Water Table (C2)
	nt Deposits (B2)		Hydrogen		,		. (00)		ration Visible on Aerial Imagery (C9)
	posits (B3)		Oxidized R			_	oots (C3)		norphic Position (D2)
	at or Crust (B4) posits (B5)		Recent Iro		,	,	lo (C6)		ow Aquitard (D3)
	Soil Cracks (B6)		Stunted or				` '		Neutral Test (D5) ed Ant Mounds (D6) (LRR A)
	on Visible on Aerial	Imagery (R7)				(D1) (L 1	IXIX A)		-Heave Hummocks (D7)
	y Vegetated Conca			nam m	(ciriarito)				Treave Flammooks (BT)
Field Obser	_								
Surface Wat		'es	No x	Denth (i	inches):				
Water Table		es		Depth (i	· -				
Saturation P		es		Depth (i	_		Wetlan	d Hydroloc	gy Present? Yes No X
	pillary fringe)			. (′ –			,	
	corded Data (strear	n gauge, mon	nitoring well, aeria	photos	, previous	inspec	tions), if ava	ailable:	
	<u> </u>								
Remarks:									

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Project/Site: Post Creek Hill - US 93		City/Cour	nty: Lake		Sampling Date:	9-17-2024
Applicant/Owner: MDT			'	State: MT	Sampling Point:	UDP 38-24
Investigator(s): B.Cline, F.Doty		Section, T	ownship, Ra	ange: S2 T19N R20W		
Landform (hillside, terrace, etc.): field		Local relief (co	oncave, con	vex, none): convex	Slop	oe (%): <u>5-10</u>
Subregion (LRR/MLRA): LRR E, MLRA 44A	Lat:	47.43014	2	Long: <u>-114.097515</u>	Datum:	NAD83
Soil Map Unit Name: Post-Ronan-Water complex,	2 to 8 percent sl	opes		NWI classi	fication: none	
Are climatic / hydrologic conditions on the site typi	cal for this time o	of year?	Yes X	No (If no, exp	olain in Remarks.)	
Are Vegetation, Soil, or Hydrology	significantly	disturbed? A	re "Normal	Circumstances" present?	Yes X No	o
Are Vegetation, Soil, or Hydrology	naturally pro	blematic? (I	f needed, ex	oplain any answers in Re	marks.)	
SUMMARY OF FINDINGS - Attach site	map showir	ng samplin	g point lo	cations, transects,	, important feat	tures, etc.
Hydrophytic Vegetation Present? Yes X	No	Is the	Sampled A	Area		
Hydric Soil Present? Yes	No X		n a Wetland		No X	
Wetland Hydrology Present? Yes	No X					
Remarks:						
VEGETATION – Use scientific names	•	Dt	la di a tan	1		
<u>Tree Stratum</u> (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test wor	rksheet:	
1.				Number of Dominant	Species That	
2				Are OBL, FACW, or F	AC:	2 (A)
3.				Total Number of Dom	inant Species	(D)
4		=Total Cover		Across All Strata:	—	2 (B)
Sapling/Shrub Stratum (Plot size: 30'	, ——	- Total Cover		Percent of Dominant S Are OBL, FACW, or F	•	0.0% (A/B)
1.				7,10 052,17,011, 011	7.0. <u>10</u>	<u>0.070</u> (742)
2.				Prevalence Index wo	orksheet:	
3				Total % Cover of		by:
4				· · · —	0 x 1 =	0
5		=Total Cover		· —	0 x 2 = 05 x 3 =	<u>0</u> 285
Herb Stratum (Plot size: 30')		- rotal Govel			0 x4=	0
1. Bromus inermis	75	Yes	FAC	· · ·	0 x 5 =	0
2. Thinopyrum intermedium	20	Yes	FAC	Column Totals: 9	05 (A) 2	285 (B)
3.				Prevalence Index	= B/A = 3.00)
4 5.				Hydrophytic Vegetat	ion Indicators:	
6					· Hydrophytic Vegeta	ation
7.				X 2 - Dominance Te		
8.				3 - Prevalence Inc	dex is ≤3.0 ¹	
9					Adaptations ¹ (Provid	
10					s or on a separate	sheet)
11	95	=Total Cover		5 - Wetland Non-	vascular Plants [*] ophytic Vegetation ¹	(Evolain)
Woody Vine Stratum (Plot size: 30')	- Total Cover		¹ Indicators of hydric s		` ' '
1.				be present, unless dis		
2.				Hydrophytic		
		=Total Cover		Vegetation		
% Bare Ground in Herb Stratum				Present? Yes	XNo	
Remarks:						

SOIL Sampling Point: UDP 38-24

Profile Des	cription: (Describe	to the depth	needed to docu	ıment tl	ne indica	tor or c	confirm the	absence o	of indicators.)
Depth	Matrix		Redo	x Featur	es				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Tex	ture	Remarks
0-5	10YR 3/2	100					Loamy	/Clayey	roots present
5-16	10YR 4/3	100	_				Loamy	/Clayey	20% rocks
,									
-									
•	· -						-		
		. — —					•		
¹ Type: C=C	oncentration, D=Dep	letion, RM=R	educed Matrix, C	S=Cove	ered or Co	ated S	and Grains.	² Loca	tion: PL=Pore Lining, M=Matrix.
Hydric Soil	Indicators: (Applica	able to all LR	Rs, unless othe	rwise n	oted.)			Indicator	s for Problematic Hydric Soils ³ :
Histosol	I (A1)		Sandy Gle	yed Mat	rix (S4)			2 cm	Muck (A10) (LRR A, E)
Histic E	pipedon (A2)		Sandy Red	dox (S5)				Iron-N	Manganese Masses (F12) (LRR D)
Black H	istic (A3)		Stripped M	latrix (S6	3)			Red F	Parent Material (F21)
Hydroge	en Sulfide (A4)		Loamy Mu	cky Mine	eral (F1) (except	MLRA 1)	Very	Shallow Dark Surface (F22)
1 cm Mu	uck (A9) (LRR D, G)		Loamy Gle	yed Ma	trix (F2)			Other	(Explain in Remarks)
	d Below Dark Surfac	e (A11)	Depleted N	•	,				
Thick D	ark Surface (A12)		Redox Dar						s of hydrophytic vegetation and
	Mucky Mineral (S1)		Depleted D		` '				nd hydrology must be present,
2.5 cm l	Mucky Peat or Peat (S2) (LRR G)	Redox Dep	oression	s (F8)			unles	s disturbed or problematic.
Restrictive	Layer (if observed):								
Type:			_						
Depth (i	nches):		_				Hydric So	oil Present	? Yes No X
Remarks:									
HYDROLO	OGY								
Wetland Hy	drology Indicators:								
Primary Indi	cators (minimum of o	one is required							y Indicators (2 or more required)
	Water (A1)		Water-Stai		, ,	(excep	t		r-Stained Leaves (B9) (MLRA 1, 2
	ater Table (A2)				and 4B)				A, and 4B)
Saturati			Salt Crust						age Patterns (B10)
	Marks (B1)		Aquatic Inv						season Water Table (C2)
	nt Deposits (B2)		Hydrogen		,		. (00)		ation Visible on Aerial Imagery (C9)
	posits (B3)		Oxidized R			_	.00ts (C3)		norphic Position (D2)
	at or Crust (B4) posits (B5)		Recent Iro		,	,	lo (C6)		ow Aquitard (D3)
	Soil Cracks (B6)		Stunted or				` '		Neutral Test (D5) ed Ant Mounds (D6) (LRR A)
	ion Visible on Aerial I	magery (R7)	Other (Exp			(D1) (L 1	IXIX A)		-Heave Hummocks (D7)
	y Vegetated Concave			nam m	torriarito)				Tiouve Training one (ET)
Field Obser			,						
Surface Wa		20	No x	Denth (i	nches):				
Water Table				Depth (i	· -				
Saturation P				Depth (i			Wetlan	d Hydroloc	y Present? Yes No X
	pillary fringe)			(.	_			J	
	ecorded Data (stream	gauge, moni	toring well, aeria	photos	, previous	inspec	tions), if ava	ailable:	
Remarks:									

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Project/Site: Post Creek Hill - US 93		City/Cour	nty: Lake		Sampling Date:	9-17-2024
Applicant/Owner: MDT			-	State: MT	Sampling Point:	UDP 39-24
Investigator(s): B.Cline, F.Doty		Section, T	ownship, Ra	nge: S11 T19N R20W		
Landform (hillside, terrace, etc.): field		Local relief (co	oncave, conv	ex, none): convex	Slop	pe (%): 0-5
Subregion (LRR/MLRA): LRR E, MLRA 44A	Lat:	47.42801	0 1	.ong: -114.097542	Datum:	NAD83
Soil Map Unit Name: Post-Ronan-Water complex, 2	to 8 percent sle	opes		NWI classif	ication: none	-
Are climatic / hydrologic conditions on the site typica	al for this time o	f year?	Yes X	No (If no, exp	olain in Remarks.)	
Are Vegetation, Soil, or Hydrology	significantly	disturbed? A	re "Normal C	circumstances" present?	Yes X No	3
Are Vegetation, Soil, or Hydrology				plain any answers in Rer		
SUMMARY OF FINDINGS – Attach site i			g point lo	cations, transects,	important feat	tures, etc.
Hydrophytic Vegetation Present? Yes X	No	Is the	Sampled A	rea		
Hydric Soil Present? Yes	No X	withi	n a Wetland	? Yes	No X	
Wetland Hydrology Present? Yes	No X					
VEGETATION – Use scientific names of	f plants.					
<u>Tree Stratum</u> (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test wor	kshoot:	
1	70 OOVCI	Орсскоз:	Otatus	Number of Dominant 9		
2.				Are OBL, FACW, or F	•	2 (A)
3.				Total Number of Domi	nant Species	
4				Across All Strata:		2 (B)
Sapling/Shrub Stratum (Plot size: 30')	=Total Cover		Percent of Dominant S Are OBL, FACW, or F	•	0.0% (A/B)
2.				Prevalence Index wo	rksheet:	
3.				Total % Cover of	: Multiply	/ by:
4.				OBL species 0	x 1 =	0
5				FACW species 0		0
(5)		=Total Cover		FAC species 9		270
Herb Stratum (Plot size: 30') 1. Bromus inermis	50	Yes	FAC	FACU species 0		0
Cirsium arvense	10	No	FAC FAC	Column Totals: 9		270 (B)
3. Elymus trachycaulus	20	Yes	FAC	Prevalence Index	``/	``
4. Dipsacus fullonum	10	No	FAC			
5.				Hydrophytic Vegetat	on Indicators:	
6				1 - Rapid Test for	Hydrophytic Vegeta	ation
7				X 2 - Dominance Te		
8.	_			3 - Prevalence Inc		
9.					Adaptations ¹ (Provides or on a separate s	
10				5 - Wetland Non-\	•	Silect)
11	90	=Total Cover			ophytic Vegetation ¹	(Explain)
Woody Vine Stratum (Plot size: 30')	. 5.3. 50701		¹ Indicators of hydric so		` ' '
1.				be present, unless dis		
2.		=Total Cover		Hydrophytic Vegetation		
% Bare Ground in Herb Stratum	_ 			Present? Yes	X No	
Remarks:						

SOIL Sampling Point: UDP 39-24

Profile Des	cription: (Describe	to the depth	needed to docu	ıment tl	ne indica	tor or c	confirm the	absence c	of indicators.)
Depth	Matrix		Redo	x Featur	es				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Tex	ture	Remarks
0-3	10YR 3/3	100					Loamy/	Clayey	roots present
3-16	10YR 3/3	60	_				Loamy/	Clayey	40% 7.5 YR 4/4
-		- — –							
•	· -						-		
		. — —					-		
¹ Type: C=C	oncentration, D=Dep	oletion, RM=R	educed Matrix, C	S=Cove	ered or Co	ated S	and Grains.	² Loca	ation: PL=Pore Lining, M=Matrix.
Hydric Soil	Indicators: (Applica	able to all LR	Rs, unless othe	rwise n	oted.)			Indicator	s for Problematic Hydric Soils ³ :
Histosol	I (A1)		Sandy Gle	yed Mat	rix (S4)			2 cm	Muck (A10) (LRR A, E)
Histic E	pipedon (A2)		Sandy Red	dox (S5)				Iron-N	Manganese Masses (F12) (LRR D)
Black H	istic (A3)		Stripped M	latrix (S6	3)			Red F	Parent Material (F21)
Hydroge	en Sulfide (A4)		Loamy Mu	cky Mine	eral (F1) (except	MLRA 1)	Very	Shallow Dark Surface (F22)
1 cm Mu	uck (A9) (LRR D, G)		Loamy Gle	yed Ma	trix (F2)			Other	r (Explain in Remarks)
	d Below Dark Surfac	e (A11)	Depleted N	-	-				
Thick D	ark Surface (A12)		Redox Dar						s of hydrophytic vegetation and
	Mucky Mineral (S1)		Depleted D		` '				nd hydrology must be present,
2.5 cm l	Mucky Peat or Peat ((S2) (LRR G)	Redox Dep	oression	s (F8)			unles	s disturbed or problematic.
Restrictive	Layer (if observed):								
Type:			_						
Depth (i	nches):		_				Hydric So	oil Present	? Yes No X
Remarks:									
HYDROLO	OGY								
Wetland Hy	drology Indicators:								
Primary Indi	cators (minimum of o	one is required							y Indicators (2 or more required)
	Water (A1)		Water-Stai		, ,	(excep	t		r-Stained Leaves (B9) (MLRA 1, 2
	ater Table (A2)				and 4B)				A, and 4B)
Saturati			Salt Crust						age Patterns (B10)
	Marks (B1)		Aquatic Inv						Season Water Table (C2)
	nt Deposits (B2)		Hydrogen		,		1- (00)		ration Visible on Aerial Imagery (C9)
	posits (B3)		Oxidized R			_	oots (C3)		norphic Position (D2)
	at or Crust (B4) posits (B5)		Recent Iro		,	,	lo (C6)		ow Aquitard (D3)
	Soil Cracks (B6)		Stunted or				` '		Neutral Test (D5) ed Ant Mounds (D6) (LRR A)
	ion Visible on Aerial	Imagery (R7)	Other (Exp			(D1) (L 1	IXIX A)		-Heave Hummocks (D7)
	y Vegetated Concave			nam m	torriarito)				Ticave Flammoske (B1)
Field Obser			,						
Surface Wa		es	No x	Denth (i	nches):				
Water Table		es		Depth (i	· -				
Saturation P		es		Depth (i			Wetlan	d Hydroloc	gy Present? Yes No X
	pillary fringe)			(.	_			,	<u> </u>
	corded Data (stream	n gauge, moni	toring well, aeria	photos	, previous	inspec	tions), if ava	ailable:	
Remarks:									

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Project/Site: Post Creek Hill - US 93	•	City/Cour	nty: Lake	•	Sampling Date:	9-17-2024
Applicant/Owner: MDT				State: MT	Sampling Point:	UDP 40-24
Investigator(s): B.Cline, F.Doty		Section, T	ownship, Ran	ge: S11 T19N R20W		
Landform (hillside, terrace, etc.): field		Local relief (co	oncave, conve	ex, none): convex	Slo	pe (%): <u>0-5</u>
Subregion (LRR/MLRA): LRR E, MLRA 44A	Lat:	47.42726	<u>1</u> L	ong: <u>-114.097268</u>	Datum:	NAD83
Soil Map Unit Name: Post-Ronan-Water complex, 2	to 8 percent sl	opes		NWI classit	fication: none	
Are climatic / hydrologic conditions on the site typical	al for this time o	f year?	Yes X	No (If no, exp	olain in Remarks.)	
Are Vegetation, Soil, or Hydrology	significantly	disturbed? A	re "Normal C	ircumstances" present?	Yes X N	o
Are Vegetation, Soil, or Hydrology	naturally pro	blematic? (I	If needed, exp	olain any answers in Rer	narks.)	
${\bf SUMMARY\ OF\ FINDINGS-Attach\ site}$	map showir	ng sampling	g point loc	ations, transects,	important feat	ures, etc.
Hydrophytic Vegetation Present? Yes	No X	Is the	Sampled Ar	ea		
Hydric Soil Present? Yes	No X		n a Wetland?		No_X_	
Wetland Hydrology Present? Yes	No X					
Remarks:						
VEGETATION – Use scientific names o	f nlants					
See Selentine names of	Absolute	Dominant	Indicator			
Tree Stratum (Plot size: 30')	% Cover	Species?	Status	Dominance Test wor	ksheet:	
1.				Number of Dominant S Are OBL, FACW, or F		1 (A)
2				Total Number of Domi		1 (A)
4.				Across All Strata:	mant opecies	2 (B)
		=Total Cover		Percent of Dominant S	Species That	
Sapling/Shrub Stratum (Plot size: 30')			Are OBL, FACW, or F	AC: 50	0.0% (A/B)
1				Prevalence Index wo	urkshoot:	
3.				Total % Cover of		/ bv:
4.				OBL species 0		0
5.				FACW species 0	x 2 =	0
		=Total Cover		FAC species 2		60
Herb Stratum (Plot size: 30') 1. Bromus inermis	40	Yes	UPL	FACU species 0 UPL species 4		<u>0</u> 200
Dipsacus fullonum	20	Yes	FAC	Column Totals: 6		260 (B)
3.				Prevalence Index	`	
4.					·	
5.				Hydrophytic Vegetat		
6. 7.				1 - Rapid Test for 2 - Dominance Te	Hydrophytic Veget	ation
8.				3 - Prevalence Inc		
9.					Adaptations ¹ (Provi	
10					s or on a separate	sheet)
11				5 - Wetland Non-\		(F. 1 ·)
Woody Vine Stratum (Plot size: 30'	60	=Total Cover			ophytic Vegetation ¹	,
1.	— ′			¹ Indicators of hydric so be present, unless dis		
2.				Hydrophytic	·	
		=Total Cover		Vegetation		
% Bare Ground in Herb Stratum				Present? Yes	No X	
Remarks:						

SOIL Sampling Point: UDP 40-24

Profile Desc Depth	ription: (Describe t Matrix	o the depth		ıment th x Featur		tor or o	onfirm the	absence of ind	licators.)		
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Text	ture	Remar	ks	
0-4	10YR 3/2	100	<u>, , , , , , , , , , , , , , , , , , , </u>				Loamy/	Clavev	roots pre	sent	
4-7	10YR 3/2	100					Loamy/		'		
7-16	10YR 4/2	100							no red	ov	
7-10	10111 4/2	100					Loamy/	Clayey	no rea	UX	
							-				
							·-				
	oncentration, D=Deple					oated S	and Grains.		PL=Pore Lining,		
	Indicators: (Applical	ole to all Li							Problematic Hy		:
Histosol	` '		Sandy Gle	•	rix (S4)				< (A10) (LRR A, E		
	pipedon (A2)		Sandy Red						anese Masses (F	12) (LRR D))
Black His	` '		Stripped M	,	,	, .			nt Material (F21)	(E00)	
	n Sulfide (A4)		Loamy Mu	-		except	MLRA 1)		ow Dark Surface		
	ck (A9) (LRR D, G)	(Λ11)	Loamy Gle	•	, ,			Other (Exp	olain in Remarks)		
	l Below Dark Surface ark Surface (A12)	(A11)	Depleted N Redox Dar	,	,			3Indicators of h	nydrophytic veget	ation and	
	lucky Mineral (S1)		Depleted D						drology must be		
	lucky Peat or Peat (S	(2) (I RR G)			, ,			-	turbed or problem	•	
	Layer (if observed):	(LITT 0)	Redox Bep	710001011	3 (1 0)			diffeed die	tarbed or problem	idilo.	
Type:	Layer (II observed).										
Depth (ir	nches).		_				Hydric Sc	oil Present?	Yes	No_	X
Remarks:			_				Tiyano oc				
HYDROLO	OGY										
_	drology Indicators: cators (minimum of or	ne is require	ad: check all that a	annly)				Secondary Ind	icators (2 or more	required)	
-	Water (A1)	ic is require	Water-Stai		ves (B9)	(excep	<u> </u>	-	ined Leaves (B9)		2
	ter Table (A2)				and 4B)	•	•	4A, and		(_
Saturation			Salt Crust		,			•	Patterns (B10)		
	arks (B1)		Aquatic Inv		es (B13)				on Water Table (C	22)	
Sedimer	t Deposits (B2)		Hydrogen						Visible on Aerial		(9)
Drift Dep	oosits (B3)		Oxidized R	hizosph	eres on L	iving R	oots (C3)	Geomorph	nic Position (D2)		
Algal Ma	t or Crust (B4)		Presence of	of Reduc	ed Iron (C4)		Shallow A	quitard (D3)		
	osits (B5)		Recent Iron						ral Test (D5)		
	Soil Cracks (B6)		Stunted or			(D1) (LI	RR A)		t Mounds (D6) (L	,	
	on Visible on Aerial In	0 , , ,		lain in R	emarks)			Frost-Heav	ve Hummocks (D	7)	
	Vegetated Concave	Surface (B	3)								
Field Obser											
Surface Wat				Depth (i	· -						
Water Table				Depth (i	_		14/-41	d Headard and Bu	40 V	NI -	V
Saturation P		·—	No <u>x</u>	Depth (i	ncnes): _		vvetiano	a Hyarology Pr	esent? Yes	No_	
(includes cap	oillary fringe) corded Data (stream	nauge mon	itoring well serie	Inhotoc	nrevious	inenco	tions) if over	ailahle:			
Pescine K6	Corded Data (Stream	gauge, mon	moning wen, aeria	, priotos,	Previous	, maped	uonaj, ii ava	шаыс.			
Remarks:			_								

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Project/Site: Post Creek Hill - US 93	<u> </u>	City/Cour	nty: Lake		Sampling Date:	9-17-2024
Applicant/Owner: MDT				State: MT	Sampling Point:	UDP 41-24
Investigator(s): B.Cline, F.Doty		Section, T	ownship, Ra	nge: S11 T19N R20W		
Landform (hillside, terrace, etc.): field		Local relief (co	oncave, conv	vex, none): convex	Slo	pe (%): <u>0-5</u>
Subregion (LRR/MLRA): LRR E, MLRA 44A	Lat:	47.42661	5	Long: -114.097185	Datum:	NAD83
Soil Map Unit Name: Post-Ronan-Water complex, 2	to 8 percent sle	opes		NWI classif	fication: none	
Are climatic / hydrologic conditions on the site typica	I for this time o	f year?	Yes X	No (If no, exp	olain in Remarks.)	
Are Vegetation, Soil, or Hydrology				Circumstances" present?		lo
Are Vegetation, Soil, or Hydrology				plain any answers in Rer		
SUMMARY OF FINDINGS – Attach site r				•	•	tures, etc.
Hydrophytic Vegetation Present? Yes X	No	Is the	Sampled A	rea		
	No X		n a Wetland		No X	
Wetland Hydrology Present? Yes	No X					
Remarks:		•				
VEGETATION – Use scientific names of	plants.					
<u>Tree Stratum</u> (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test wor	kshoot:	
1. (Flot size	% Cover	Species?	Status			
2.				Number of Dominant S Are OBL, FACW, or F	•	2 (A)
3.				Total Number of Domi		`
4.				Across All Strata:		2 (B)
_		=Total Cover		Percent of Dominant S	Species That	
Sapling/Shrub Stratum (Plot size: 30'	_)			Are OBL, FACW, or F	AC: <u>10</u>	00.0% (A/B)
1						
2.				Prevalence Index wo		la a face a
3.				Total % Cover of OBL species	: Multipl x 1 =	0 0
5.		-		FACW species (0
o		=Total Cover		FAC species 9		270
Herb Stratum (Plot size: 30')				FACU species (0
1. Bromus inermis	50	Yes	FAC	UPL species 0	x 5 =	0
2. Cirsium arvense	10	No	FAC	Column Totals: 9	0 (A)	270 (B)
3. Elymus trachycaulus	20	Yes	FAC	Prevalence Index	= B/A =3.0	0
4. Dipsacus fullonum	10	No	FAC			
5.	_			Hydrophytic Vegetat		
6. 7.				X 2 - Dominance Te	Hydrophytic Vege	tation
8				3 - Prevalence Inc		
		•		—	Adaptations ¹ (Provi	ide supporting
10					s or on a separate	
11.				5 - Wetland Non-\	/ascular Plants ¹	
	90	=Total Cover		Problematic Hydro	ophytic Vegetation	¹ (Explain)
Woody Vine Stratum (Plot size: 30'	_)			¹ Indicators of hydric so		
1.				be present, unless dis	turbed or problema	atic.
2		-Tatal 0		Hydrophytic		
% Bare Ground in Herb Stratum		=Total Cover		Vegetation Present? Yes	X No	
Remarks:						

SOIL Sampling Point: UDP 41-24

Profile Desc Depth	ription: (Describe Matrix	to the dept		ment th Featur		itor or o	confirm the	absence of in	dicators.)		
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Tex	ture	Re	emarks	
0-3	10YR 3/3	100	, ,				Loamy		root	s present	
3-16	10YR 3/3	60					Loamy			7.5 YR 4/4	
<u> </u>	10111 0/0					-	Loaniy	Claycy	4070	7.0 11(4/-	
								· ·			
¹Type: C=Co	oncentration, D=Depl	etion, RM=	Reduced Matrix, C	S=Cove	red or C	pated S	and Grains.	² Location	ı: PL=Pore Li	ning, M=M	latrix.
Hydric Soil	Indicators: (Applica	ble to all L	RRs, unless othe	rwise n	oted.)			Indicators fo	r Problemati	c Hydric S	Soils³:
Histosol	(A1)		Sandy Gley	ed Matı	rix (S4)			2 cm Mu	ck (A10) (LRR	R A, E)	
Histic Ep	pipedon (A2)		Sandy Red	ox (S5)				Iron-Man	ganese Mass	es (F12) (I	LRR D)
Black Hi	stic (A3)		Stripped Ma	atrix (S6	6)			Red Pare	ent Material (F	21)	
Hydroge	n Sulfide (A4)		Loamy Mud	ky Mine	eral (F1)	(except	MLRA 1)	Very Sha	ıllow Dark Sur	face (F22))
1 cm Mu	ck (A9) (LRR D, G)		Loamy Gle	yed Mat	rix (F2)			Other (E:	xplain in Rema	arks)	
Depleted	l Below Dark Surface	e (A11)	Depleted M	latrix (F	3)						
Thick Da	ark Surface (A12)		Redox Dark	(Surfac	e (F6)			³ Indicators of	hydrophytic v	egetation	and
Sandy M	lucky Mineral (S1)		Depleted D	ark Surf	face (F7)				nydrology mus		ent,
2.5 cm N	Ոucky Peat or Peat (S2) (LRR G)Redox Dep	ressions	s (F8)			unless di	sturbed or pro	blematic.	
Restrictive I	_ayer (if observed):										
Type:			<u> </u>								
Depth (ir	nches):						Hydric S	oil Present?	Ye	s	No X
Remarks:											
HYDROLO	JCV										
	drology Indicators:										
_	cators (minimum of o	ne is requir	ed: check all that a	nnlv)				Secondary In	dicators (2 or	more real	iired)
	Water (A1)	no io roquir	Water-Stair		ves (B9)	(excep	t	· ·	ained Leaves		
	ter Table (A2)				and 4B)				nd 4B)	() (, -
Saturation			Salt Crust (,			•	Patterns (B10	0)	
Water M	arks (B1)		Aquatic Inv		es (B13)				son Water Tab		
Sedimer	t Deposits (B2)		Hydrogen S						n Visible on A		ery (C9)
Drift Dep	oosits (B3)		Oxidized R	hizosph	eres on l	iving R	oots (C3)	Geomorp	hic Position (D2)	
Algal Ma	t or Crust (B4)		Presence of	f Reduc	ed Iron (C4)		Shallow	Aquitard (D3)		
Iron Dep	osits (B5)		Recent Iror	Reduc	tion in Ti	lled Soi	ls (C6)	FAC-Neu	ıtral Test (D5)		
	Soil Cracks (B6)		Stunted or			(D1) (L l	RR A)		nt Mounds (D		A)
	on Visible on Aerial I		/ ` ` '	ain in R	emarks)			Frost-He	ave Hummocl	(s (D7)	
Sparsely	Vegetated Concave	Surface (B	8)								
Field Obser	vations:										
Surface Wat	er Present? Ye	s			nches): _						
Water Table		s			nches): _						
Saturation P		s	No x	Depth (i	nches): _		Wetlan	d Hydrology F	resent? Ye	es	No X
(includes cap											
Describe Re	corded Data (stream	gauge, moi	nitoring well, aerial	photos,	previous	s inspec	ctions), if ava	ailable:			
Remarks:											

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Project/Site: Post Creek Hill - US 93		City/Cou	nty: Lake	•	Sampling Date:	9-17-2024
Applicant/Owner: MDT				State: MT	Sampling Point:	UDP 42-24
Investigator(s): B.Cline, F.Doty		Section, T	ownship, Ra	nge: S11 T19N R20W		
Landform (hillside, terrace, etc.): field		Local relief (co	oncave, conv	ex, none): convex	Slo	pe (%): <u>0-5</u>
Subregion (LRR/MLRA): LRR E, MLRA 44A	Lat:	47.42501	6 I	ong: <u>-114.097222</u>	Datum:	NAD83
Soil Map Unit Name: Post-Ronan-Water complex, 2	to 8 percent sle	opes		NWI classi	fication: none	
Are climatic / hydrologic conditions on the site typical	I for this time o	f year?	Yes X	No (If no, exp	olain in Remarks.)	
Are Vegetation, Soil, or Hydrology	_significantly	disturbed? A	re "Normal C	Circumstances" present?	Yes_X_N	lo
Are Vegetation, Soil, or Hydrology	naturally prol	olematic? (I	lf needed, ex	plain any answers in Rer	narks.)	
SUMMARY OF FINDINGS – Attach site r	map showir	ıg samplin	g point lo	cations, transects,	important feat	tures, etc.
Hydrophytic Vegetation Present? Yes X	No	Is the	Sampled A	rea		
Hydric Soil Present? Yes	No X		n a Wetland		NoX	
Wetland Hydrology Present? Yes	No X					
Remarks:		•				
VECETATION Lies esignific nomes of	inlanta					
VEGETATION – Use scientific names of	Absolute	Dominant	Indicator			
Tree Stratum (Plot size: 30')	% Cover	Species?	Status	Dominance Test wor	ksheet:	
1.				Number of Dominant	•	• (*)
2. 3.				Are OBL, FACW, or F		2 (A)
4				Total Number of Dom Across All Strata:	nant Species	2 (B)
···		=Total Cover		Percent of Dominant S	 Species That	(5)
Sapling/Shrub Stratum (Plot size: 30')			Are OBL, FACW, or F	•	00.0% (A/B)
1.						
2				Prevalence Index wo		v bv.
3				Total % Cover of OBL species	$\frac{\text{Multiply}}{x \cdot 1}$	<u>y by.</u> 0
5.				· -	x 2 =	0
		=Total Cover		FAC species 9	5 x 3 =	285
Herb Stratum (Plot size: 30')					x 4 =	0
1. Bromus inermis		Yes	FAC) x 5 = 5 (A)	0 285 (B)
Cirsium arvense 3.		Yes	FAC	Prevalence Index		
4.				r revalence maex		<u> </u>
5.				Hydrophytic Vegetat	ion Indicators:	
6				· · · · · · · · · · · · · · · · · · ·	Hydrophytic Veget	tation
7.				X 2 - Dominance Te		
8. 9.				3 - Prevalence Inc	aex is ≤3.0 Adaptations¹(Provi	ide supporting
10					s or on a separate	
11.				5 - Wetland Non-\		
	95	=Total Cover		Problematic Hydro	ophytic Vegetation	¹ (Explain)
Woody Vine Stratum (Plot size: 30'	_)			¹ Indicators of hydric se		
1. 2.				be present, unless dis	turped or problema	ATIC.
		=Total Cover		Hydrophytic Vegetation		
% Bare Ground in Herb Stratum		- "		Present? Yes	X No	<u></u>
Remarks:						

SOIL Sampling Point: UDP 42-24

Profile Desc Depth	cription: (Describe t Matrix	to the dep		ment th Featur		tor or o	confirm the	absence of	indicators	.)	
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Text	ture		Remarks	
0-4	10YR 3/2	100					Loamy/	/Clavev		roots present	
4-6	10YR 3/2	100					Loamy/			20% gravel	
6-16	7.5YR 4/4	98	2.5Y 6/8	2		M	Loamy/		Prominer	nt redox conc	entrations
0-10	7.511\ 4/4	90	2.31 0/0			IVI	Loaniyi	Clayey	FIOIIIIIe	it redux conc	entrations
1- 0.0								2,	. 5. 5		
	oncentration, D=Depl					oated S	and Grains.			re Lining, M=	
-	Indicators: (Applica	DIE TO AII L								matic Hydric	Solis":
Histosol	` '		Sandy Gley		IX (S4)				Muck (A10) (/I DD D\
	pipedon (A2) istic (A3)		Sandy Red Stripped Ma		2)				anganese iv arent Materi	Masses (F12)	(LKK D)
	` '			`	,	(ovcont	MI DA 1)			` ,	2)
	en Sulfide (A4) uck (A9) (LRR D, G)		Loamy Muc Loamy Gle	-		(except	WILKA I)		Explain in F	Surface (F22	<u>2)</u>
	d Below Dark Surface	(Δ11)	Depleted M	•	, ,				(Explain in i	(Ciliaiks)	
	ark Surface (A12)	(Δ11)	Redox Dark	`	,			3Indicators	of hydronhy	tic vegetation	n and
	/lucky Mineral (S1)		Depleted D			1			, , ,	must be pres	
	Mucky Peat or Peat (S2) (LRR G								r problematic	
	Layer (if observed):		<u>, </u>		,					<u> </u>	
Type:	,										
Depth (i	nches):						Hydric So	oil Present?	•	Yes	No X
Remarks:											
HYDROLO	nev										
	drology Indicators:										
_	cators (minimum of o	ne is requi	red: check all that a	(vlaa				Secondary	Indicators (2 or more red	uired)
	Water (A1)	•	Water-Stair		ves (B9)	(excep	t	-		aves (B9) (ML	
	ater Table (A2)				and 4B)				and 4B)	() (,
Saturation			Salt Crust (B11)	-			Draina	ge Patterns	(B10)	
Water M	larks (B1)		Aquatic Inv	ertebrat	es (B13)			Dry-Se	eason Wate	Table (C2)	
	nt Deposits (B2)		Hydrogen S					Satura	ition Visible	on Aerial Ima	gery (C9)
	posits (B3)		Oxidized R			_	oots (C3)		orphic Posit	` '	
	at or Crust (B4)		Presence o		,	,			w Aquitard (•	
	posits (B5)		Recent Iron						leutral Test	. ,	
	Soil Cracks (B6)		Stunted or				RR A)			ls (D6) (LRR	A)
	on Visible on Aerial Ir y Vegetated Concave	0 , (<i>'</i> ` '	ain in R	emarks)			Frost-	Heave Humi	TIOCKS (D7)	
		Surface (E					1				
Field Obser		_	No. v. I	D = = 4h /:							
Surface Wat		s			nches): _						
Water Table Saturation P		s			nches): _ nches):		Wotland	d Hydrolog	v Procent?	Yes	No X
	pillary fringe)	<u> </u>	140 <u>X</u>	Dopuii (i			VVCtiani	a riyarolog	y i resent:		<u> </u>
•	corded Data (stream	gauge, mo	onitoring well, aerial	photos.	previous	s inspec	ctions), if ava	ailable:			
	\ 			,,			,, : =				
Remarks:									·		

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Project/Site: Post Creek Hill - US 93	•	City/Cou	nty: Lake		Sampling Date:	9-17-2024
Applicant/Owner: MDT				State: MT	Sampling Point:	UDP 43-24
Investigator(s): B.Cline, F.Doty		Section, T	ownship, Ra	nge: S11 T19N R20W		
Landform (hillside, terrace, etc.): field		Local relief (co	oncave, conv	ex, none): convex	Slc	pe (%): <u>0-5</u>
Subregion (LRR/MLRA): LRR E, MLRA 44A	Lat:	47.42390	9	_ong: -114.097127	Datum:	NAD83
Soil Map Unit Name: Post-Ronan-Water complex, 2	to 8 percent sl	opes		NWI classif	fication: none	'
Are climatic / hydrologic conditions on the site typica	I for this time o	f year?	Yes X	No (If no, exp	olain in Remarks.)	
Are Vegetation, Soil, or Hydrology	significantly			Circumstances" present?		
Are Vegetation , Soil , or Hydrology				plain any answers in Rer		
SUMMARY OF FINDINGS – Attach site r			g point lo	cations, transects,	important fea	tures, etc.
Hydrophytic Vegetation Present? Yes X	No	Is the	Sampled A	rea		
	No X		n a Wetland		No X	
Wetland Hydrology Present? Yes	No X					
Remarks:		•				
VEGETATION – Use scientific names of	plants.					
Tree Stratum (Diet size: 201)	Absolute	Dominant	Indicator Status	Dominanas Taat war	eko b o o te	
Tree Stratum (Plot size: 30') 1.	% Cover	Species?	Status	Dominance Test wor		
2.				Number of Dominant S Are OBL, FACW, or F	•	2 (A)
3.				Total Number of Domi		(· ·/
4.				Across All Strata:		2 (B)
_		=Total Cover		Percent of Dominant S	Species That	
Sapling/Shrub Stratum (Plot size: 30'	_)			Are OBL, FACW, or F	AC: 1	00.0% (A/B)
1						
2.				Prevalence Index wo		h . h
3.				Total % Cover of OBL species	: Multipl x 1 =	0
5.		,		·	x 2 =	0
		=Total Cover				210
Herb Stratum (Plot size: 30')	,				5 x 4 =	60
1. Bromus inermis	40	Yes	FAC	UPL species 0) x 5 =	0
2. Elymus trachycaulus	20	Yes	FAC	Column Totals: 8	5(A)	270 (B)
3. Dipsacus fullonum	10	No No	FAC	Prevalence Index	= B/A =3.1	8
4. Hypericum perforatum	15	No	FACU	Livelyon by tic Venetat	ion Indicators	
5. 6.	<u> </u>			Hydrophytic Vegetat	Hydrophytic Vege	tation
7		,		X 2 - Dominance Te		lation
8.				3 - Prevalence Inc		
9.				4 - Morphological	Adaptations ¹ (Provi	ide supporting
10.				data in Remark	s or on a separate	sheet)
11	_			5 - Wetland Non-\		
	85	=Total Cover			ophytic Vegetation	
Woody Vine Stratum (Plot size: 30'	_)			¹ Indicators of hydric so		
1. 2.				be present, unless dis	turped or problema	auc.
		=Total Cover		Hydrophytic		
% Bare Ground in Herb Stratum		. 5141 00101		Vegetation Present? Yes	X No	_
Remarks:						

SOIL Sampling Point: UDP 43-24

Profile Desc Depth	ription: (Describe t Matrix	o the depth		<mark>ıment th</mark> x Featur		tor or o	onfirm the	absence of inc	licators.)	
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Text	ture	Remark	S
0-4	10YR 3/3	100	, /				Loamy/		roots pres	ent
4-7	10YR 3/3	100					Loamy/			
7-16	10YR 5/3	100					Loamy/		compacte	ed
7-10	1011(3/3	100					Loanly	Clayey	compact	eu
							•			
							•			
							-			
17			Dadwaad Matrix C					21	DI - Dana Linina I	14-114-tuis
	oncentration, D=Deple Indicators: (Application)					bated S	and Grains.		PL=Pore Lining, N	
Histosol		JIE LU AII LI	Sandy Gle						k (A10) (LRR A, E)	
	pipedon (A2)		Sandy Red	•	117 (04)				anese Masses (F1	
Black His			Stripped M		3)				nt Material (F21)	2) (EIXIX D)
	n Sulfide (A4)		Loamy Mu	`	,	except	MLRA 1)		ow Dark Surface (F22)
	ck (A9) (LRR D, G)		Loamy Gle	-			,		olain in Remarks)	,
	Below Dark Surface	(A11)	Depleted N	•	, ,			` ` '	,	
Thick Da	rk Surface (A12)	,	Redox Dar	k Surfac	é (F6)			³ Indicators of h	nydrophytic vegeta	tion and
Sandy M	lucky Mineral (S1)		Depleted D	ark Sur	face (F7)			wetland hy	drology must be p	resent,
2.5 cm N	lucky Peat or Peat (S	(12) (LRR G)	Redox Dep	ressions	s (F8)			unless dis	turbed or problema	atic.
Restrictive I	_ayer (if observed):									
Type:			_							
Depth (ir	nches):						Hydric Sc	oil Present?	Yes	No <u>X</u>
Remarks:										
HYDROLO	GY									
Wetland Hy	drology Indicators:									
_	cators (minimum of or	ne is require	ed: check all that a	(vlage				Secondary Ind	licators (2 or more	required)
-	Water (A1)		Water-Stai		ves (B9)	(excep	<u> </u>	-	ined Leaves (B9) (
High Wa	ter Table (A2)		MLRA	1, 2, 4A,	and 4B)			4A, and		
Saturation	on (A3)		Salt Crust	(B11)				Drainage I	Patterns (B10)	
Water M	arks (B1)		Aquatic Inv	/ertebrat	es (B13)			Dry-Seaso	on Water Table (C2	2)
Sedimer	t Deposits (B2)		Hydrogen	Sulfide C	Odor (C1)			Saturation	Visible on Aerial I	magery (C9)
	oosits (B3)		Oxidized R			•	oots (C3)		nic Position (D2)	
	t or Crust (B4)		Presence of				(- -)		quitard (D3)	
	osits (B5)		Recent Iron						ral Test (D5)	A\
	Soil Cracks (B6)	(DZ)	Stunted or			(D1) (LI	RR A)		it Mounds (D6) (LR	,
	on Visible on Aerial In Vegetated Concave	0 , ,		iain in R	emarks)			Frost-nea	ve Hummocks (D7)
		Surface (Do	<u> </u>							
Field Obser Surface Wat		_	No. v	Donth (i	nohoo\:					
Water Table				Depth (i Depth (i	· · · ·					
Saturation P				Depth (i	-		Wetland	d Hydrology Pr	esent? Yes	No X
(includes cap			<u> </u>	Dopui (i	_		- Trotlant	a		
	corded Data (stream	gauge, mor	nitoring well, aerial	photos,	previous	inspec	tions), if ava	ilable:		
Remarks:										

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Project/Site: Post Creek Hill - US 93		City/Cour	nty: Lake		Sampling Date:	9-17-2024
Applicant/Owner: MDT			·	State: MT	Sampling Point:	UDP 44-24
Investigator(s): B.Cline, F.Doty		Section, T	ownship, Ra	nge: S11 T19N R20W		
Landform (hillside, terrace, etc.): roadside field		Local relief (co	oncave, conv	ex, none): convex	Slo	pe (%): <u>0-5</u>
Subregion (LRR/MLRA): LRR E, MLRA 44A	Lat:	47.42132	!1	Long: <u>-114.097164</u>	Datum:	NAD83
Soil Map Unit Name: Post silt loam, 0 to 2 percent s	lopes			NWI classif	ication: none	
Are climatic / hydrologic conditions on the site typical	I for this time o	f year?	Yes X	No (If no, exp	olain in Remarks.)	
Are Vegetation, Soil, or Hydrology	significantly	disturbed? A	re "Normal 0	Circumstances" present?	Yes X N	o
Are Vegetation, Soil, or Hydrology	naturally prol	olematic? (I	f needed, ex	plain any answers in Rer	narks.)	
SUMMARY OF FINDINGS – Attach site i	map showin	g sampling	g point lo	cations, transects,	important feat	ures, etc.
Hydrophytic Vegetation Present? Yes X	No	Is the	Sampled A	rea		
	No X		n a Wetland		No X	
Wetland Hydrology Present? Yes	No X					
Remarks:		· ·				
VEGETATION – Use scientific names of	f plants. Absolute	Dominant	Indicator	Ī		
<u>Tree Stratum</u> (Plot size: 30')	% Cover	Dominant Species?	Status	Dominance Test wor	ksheet:	
1				Number of Dominant	Species That	
2.				Are OBL, FACW, or F	AC:	2 (A)
3				Total Number of Domi	nant Species	
4		Tatal Cavan		Across All Strata:		2 (B)
Sapling/Shrub Stratum (Plot size: 30'	\	=Total Cover		Percent of Dominant S Are OBL, FACW, or F		00.0% (A/B)
1	_'			AIC OBE, I AOW, OI I	A0. 10	70.070 (A/D)
2.				Prevalence Index wo	rksheet:	
3.				Total % Cover of	: Multipl	y by:
4				OBL species 0		0
5				FACW species 0		0
Herb Stratum (Plot size: 30')		=Total Cover		FAC species 10 FACU species 0		300 0
1. Bromus inermis	65	Yes	FAC	UPL species 0		0
Cirsium arvense	15	No	FAC	Column Totals: 10		300 (B)
3. Elymus trachycaulus	20	Yes	FAC	Prevalence Index	= B/A = 3.0	
4						
5				Hydrophytic Vegetat		
6. 7.				1 - Rapid Test for X 2 - Dominance Te	Hydrophytic Veget	ation
ο				3 - Prevalence Inc		
					Adaptations ¹ (Provi	de supportino
10					s or on a separate	
11.				5 - Wetland Non-\	/ascular Plants ¹	
	100	=Total Cover		Problematic Hydro	ophytic Vegetation	^l (Explain)
Woody Vine Stratum (Plot size: 30'	_)			¹ Indicators of hydric so		
1. 2.				be present, unless dis	turped or problema	ITIC.
		=Total Cover		Hydrophytic Vegetation		
% Bare Ground in Herb Stratum		. 0.0.		Present? Yes	X No	_
Remarks:						

SOIL Sampling Point: UDP 44-24

Profile Desc Depth	cription: (Describe to Matrix	to the depth		Feature	es			absence of muic	ato. 0.,	
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Tex	ture	Remarks	
0-6	7.5YR 2.5/2	100	, ,				-		Roots present	
6-16	7.5YR 3/2	100								
0-10	7.511\ 3/2	100					-			
-										
							-			
¹Type: C=Co	oncentration, D=Depl	etion. RM=F	Reduced Matrix. C	S=Cove	red or Co	oated Sa	and Grains.	² Location: P	PL=Pore Lining, M=M	atrix.
	Indicators: (Applica								roblematic Hydric S	
Histosol			Sandy Gley		•				A10) (LRR A, E)	
	pipedon (A2)		Sandy Red		()				iese Masses (F12) (L	RR D)
Black His			Stripped Ma		6)				Material (F21)	,
	n Sulfide (A4)		Loamy Muc	,	,	except	MLRA 1)		v Dark Surface (F22)	
	ick (A9) (LRR D, G)		Loamy Gley	-		(oxec pr	,		in in Remarks)	
	d Below Dark Surface	e (A11)	Depleted M							
	ark Surface (A12)	()	Redox Dark	,	,			³ Indicators of hyd	drophytic vegetation a	and
	lucky Mineral (S1)		Depleted D					•	rology must be prese	
	/lucky Peat or Peat (ร	S2) (LRR G)						•	bed or problematic.	,
	Layer (if observed):								•	
Type:	,									
Depth (ir	nches):						Hydric So	oil Present?	Yes	No X
Remarks:	,					J				
HADBOLO	ncv									
HYDROLO	drology Indicators:									
_	cators (minimum of o	no is roquire	ad: chack all that a	nnly)				Secondary Indica	ators (2 or more requ	ired)
	Water (A1)	ne is require	Water-Stair		vec (R0)	(ovcont	<u> </u>	-	ed Leaves (B9) (MLR	 -
	iter Table (A2)		MLRA 1		, ,	•		4A, and 4		A 1, 2
Saturation			Salt Crust (ana 4D)			Drainage Pa	,	
	larks (B1)		Aquatic Inv		es (R13)				Water Table (C2)	
	nt Deposits (B2)		Hydrogen S						isible on Aerial Image	erv (C9)
	posits (B3)		Oxidized RI				nots (C3)		Position (D2)	S. y (00)
	at or Crust (B4)		Presence o			-	(00)	Shallow Aqu	` '	
	osits (B5)		Recent Iron		,	,	s (C6)	FAC-Neutral		
									` '	
				Stresse	d Plants	(D1) (LF	RRA)	Raised Ant I	Mounds (D6) (LRR A))
Surface	Soil Cracks (B6)	magery (B7)	Stunted or			(D1) (LF	RR A)		Mounds (D6) (LRR A) Hummocks (D7))
Surface Inundation		0 , ,	Stunted or Other (Expl			(D1) (LF	RR A)		Mounds (D6) (LRR A) Hummocks (D7)	
Surface Inundation Sparsely	Soil Cracks (B6) on Visible on Aerial Ir v Vegetated Concave	0 , ,	Stunted or Other (Expl			(D1) (LF	RR A)			
Surface Inundation Sparsely Field Observ	Soil Cracks (B6) on Visible on Aerial In v Vegetated Concave vations:	Surface (B	Stunted or 3 Other (Expl	ain in R	emarks)	(D1) (LF	RR A)			
Surface Inundation Sparsely Field Obsert Surface Water	Soil Cracks (B6) on Visible on Aerial In vegetated Concave vations: er Present? Ye	Surface (Basses	Stunted or 3 Other (Expl	ain in R Depth (ir	emarks) nches):		RR A))
Surface Inundation Sparsely Field Obsert Surface Wate Water Table	Soil Cracks (B6) on Visible on Aerial Ir vegetated Concave vations: er Present? Ye Present?	Surface (Basses)	Stunted or 3 Other (Expl No x [No x [ain in R Depth (in Depth	emarks) nches): _ nches): _			Frost-Heave	Hummocks (D7)	
Surface Inundation Sparsely Field Obsert Surface Wate Water Table Saturation Processing	Soil Cracks (B6) on Visible on Aerial Ir vegetated Concave vations: er Present? Ye Present? Ye resent? Ye	Surface (Basses)	Stunted or 3 Other (Expl No x [No x [ain in R Depth (in Depth	emarks) nches):			Frost-Heave		No_X_
Surface Inundation Sparsely Field Obsert Surface Water Table Saturation Profile (includes cape	Soil Cracks (B6) on Visible on Aerial Ir vegetated Concave vations: er Present? Ye Present? Ye resent? Ye	Surface (Bases) ss	Stunted or 3 Other (Expl No x I No x I No x I	ain in R Depth (ir Depth (ir Depth (ir	emarks) nches): _ nches): _		Wetlan	Frost-Heave	Hummocks (D7)	
Surface Inundation Sparsely Field Obsert Surface Wate Water Table Saturation Proceeding Concludes cap Describe Received	Soil Cracks (B6) on Visible on Aerial Ir v Vegetated Concave vations: er Present? Ye Present? Ye resent? Ye pillary fringe)	Surface (Bases) ss	Stunted or 3 Other (Expl No x I No x I No x I	ain in R Depth (ir Depth (ir Depth (ir	emarks) nches): _ nches): _		Wetlan	Frost-Heave	Hummocks (D7)	
Surface Inundation Sparsely Field Obsert Surface Water Table Saturation Poly (includes cap	Soil Cracks (B6) on Visible on Aerial Ir v Vegetated Concave vations: er Present? Ye Present? Ye resent? Ye pillary fringe)	Surface (Bases) ss	Stunted or 3 Other (Expl No x I No x I No x I	ain in R Depth (ir Depth (ir Depth (ir	emarks) nches): _ nches): _		Wetlan	Frost-Heave	Hummocks (D7)	
Surface Inundatio Sparsely Field Obser Surface Wat Water Table Saturation Pr (includes cap Describe Rec	Soil Cracks (B6) on Visible on Aerial Ir v Vegetated Concave vations: er Present? Ye Present? Ye resent? Ye pillary fringe)	Surface (Bases) ss	Stunted or 3 Other (Expl No x I No x I No x I	ain in R Depth (ir Depth (ir Depth (ir	emarks) nches): _ nches): _		Wetlan	Frost-Heave	Hummocks (D7)	

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Project/Site: Post Creek Hill - US 93	•	City/Cou	nty: Lake		Sampling Date:	9-17-2024
Applicant/Owner: MDT				State: MT	Sampling Point:	UDP 45-24
Investigator(s): B.Cline, F.Doty		Section, T	ownship, Rai	nge: S11 T19N R20W		
Landform (hillside, terrace, etc.): field		Local relief (co	oncave, conv	ex, none): convex	Slo _l	pe (%): <u>0-5</u>
Subregion (LRR/MLRA): LRR E, MLRA 44A	Lat:	47.41957	'8 L	ong: <u>-114.097188</u>	Datum:	NAD83
Soil Map Unit Name: Post silty clay loam, 2 to 4 per	cent slopes			NWI classit	fication: none	
Are climatic / hydrologic conditions on the site typical	al for this time o	f year?	Yes X	No (If no, exp	olain in Remarks.)	
Are Vegetation, Soil, or Hydrology	significantly	disturbed? A	re "Normal C	Circumstances" present?	Yes X N	o
Are Vegetation, Soil, or Hydrology	naturally pro	blematic? (I	If needed, ex	plain any answers in Rer	narks.)	
SUMMARY OF FINDINGS – Attach site	map showir	ng sampling	g point lo	cations, transects,	important feat	ures, etc.
Hydrophytic Vegetation Present? Yes X	No	Is the	Sampled A	rea		
Hydric Soil Present? Yes	No X		n a Wetland		No_X_	
Wetland Hydrology Present? Yes	No X					
Remarks:		•				
VEGETATION – Use scientific names o	f plants					
VEGETATION - Use scientific fiames o	Absolute	Dominant	Indicator			
Tree Stratum (Plot size: 30')	% Cover	Species?	Status	Dominance Test wor	ksheet:	
1.				Number of Dominant		4 (4)
2				Are OBL, FACW, or F		1 (A)
3				Total Number of Domi Across All Strata:	mant Species	1 (B)
		=Total Cover		Percent of Dominant S	Species That	` '
Sapling/Shrub Stratum (Plot size: 30')			Are OBL, FACW, or F		00.0% (A/B)
1.				5		
3.				Prevalence Index wo Total % Cover of		v hv
4.				OBL species 0		0
5.				FACW species 0) x 2 =	0
		=Total Cover		FAC species 9	0 x 3 =	270
Herb Stratum (Plot size: 30')	00	V	540	FACU species 0		0
Bromus inermis Cirsium arvense	80	Yes No	FAC FAC	UPL species Column Totals: 9		0 270 (B)
3.				Prevalence Index	`` ′	
4.						
5				Hydrophytic Vegetat		
6.					Hydrophytic Veget	ation
7. 8.				X 2 - Dominance Te		
9.					Adaptations ¹ (Provi	de supportina
10.					s or on a separate	
11.	_			5 - Wetland Non-\		
	90	=Total Cover			ophytic Vegetation ¹	
Woody Vine Stratum (Plot size: 30' 1.)			¹ Indicators of hydric so be present, unless dis		
2.	_			·	tarbed or problema	iiio.
		=Total Cover		Hydrophytic Vegetation		
% Bare Ground in Herb Stratum					XNo	_
Remarks:						

SOIL Sampling Point: UDP 45-24

Profile Desc Depth	cription: (Describe to Matrix	to the dept		ment th Featur		tor or o	confirm the	absence of ind	licators.)	
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Tex	ture	Remarks	
0-5	10YR 3/2	100					Loamy	/Clavev	Roots prese	ent
5-16	10YR 3/2	100					Loamy		•	
3-10	10111 3/2	100					Loamy	Claycy		
							-			
	·									
¹ Type: C=C	oncentration, D=Depl	etion, RM=	Reduced Matrix, C	S=Cove	red or C	oated S	and Grains.	² Location:	PL=Pore Lining, M	=Matrix.
Hydric Soil	Indicators: (Applica	ble to all L	RRs, unless other	rwise n	oted.)			Indicators for	Problematic Hydri	c Soils³:
Histosol	(A1)		Sandy Gley	ed Matı	rix (S4)			2 cm Mucl	(A10) (LRR A, E)	
Histic Ep	pipedon (A2)		Sandy Red	ox (S5)				Iron-Mang	anese Masses (F12) (LRR D)
Black Hi	` '		Stripped Ma	,	,				nt Material (F21)	
	n Sulfide (A4)		Loamy Mud	-		(except	MLRA 1)		ow Dark Surface (F	22)
	ıck (A9) (LRR D, G)		Loamy Gle					Other (Exp	olain in Remarks)	
	d Below Dark Surface	e (A11)	Depleted M	,	,			2		
	ark Surface (A12)		Redox Dark						nydrophytic vegetati	
	lucky Mineral (S1)		Depleted D)		-	drology must be pre	
	Mucky Peat or Peat (S	52) (LRR G	Redox Dep	ressions	s (F8)			unless dis	turbed or problemat	IC.
	Layer (if observed):									
Type:	I N						Hardela O	- !! D 40	V	N. V
Depth (in	nches):						Hydric So	oil Present?	Yes	NoX
Remarks:										
HYDROLO)GY									
Wetland Hy	drology Indicators:									
_	cators (minimum of o	ne is requir	ed; check all that a	pply)				Secondary Ind	icators (2 or more re	equired)
Surface	Water (A1)		Water-Stair	ned Lea	ves (B9)	(excep	t	Water-Sta	ined Leaves (B9) (N	ILRA 1, 2
High Wa	iter Table (A2)		MLRA 1	, 2, 4A,	and 4B))		4A, and	d 4B)	
Saturation	on (A3)		Salt Crust (B11)				Drainage F	Patterns (B10)	
Water M	larks (B1)		Aquatic Inv	ertebrat	es (B13)			Dry-Seaso	n Water Table (C2)	
Sedimer	nt Deposits (B2)		Hydrogen S	Sulfide C	Odor (C1)		Saturation	Visible on Aerial Im	agery (C9)
Drift Dep	oosits (B3)		Oxidized R	hizosph	eres on l	₋iving R	oots (C3)	Geomorph	ic Position (D2)	
	at or Crust (B4)		Presence o			,			quitard (D3)	
	osits (B5)		Recent Iron						ral Test (D5)	
	Soil Cracks (B6)		Stunted or				RR A)		t Mounds (D6) (LRF	R A)
	on Visible on Aerial Ir	0 , (/ ` '	ain in R	emarks)			Frost-Heav	ve Hummocks (D7)	
Sparsely	Vegetated Concave	Surface (B	88)							
Field Obser										
Surface Wat		s			nches): _					
Water Table		s			nches): _		J		10. 14	
Saturation P		s	No <u>x</u> I	Jeptn (i	nches): _		wetian	a Hyarology Pr	esent? Yes	NoX
(includes cap		401140 m-	nitoring wall seriel	nhotoc	provise	o inono	tions) if and	ailabla:		
Describe Re	corded Data (stream	yauge, mo	rinoring well, aerlal	priotos,	previous	sinspec	auoris), it ava	aliable:		
Remarks:										

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Project/Site: Post Creek Hill - US 93		City/Cour	nty: Lake		Sampling Date:	9-17-2024
Applicant/Owner: MDT				State: MT	Sampling Point:	UDP 46-24
Investigator(s): B.Cline, F.Doty		Section, T	ownship, Ra	nge: S11 T19N R20W		
Landform (hillside, terrace, etc.): field		Local relief (co	oncave, conv	ex, none): convex	Slo	pe (%): 0-5
Subregion (LRR/MLRA): LRR E, MLRA 44A	Lat:	47.41707	3	_ong:114.097239	Datum:	NAD83
Soil Map Unit Name: Post silty clay loam, 2 to 4 percentage	ent slopes			NWI classif	fication: none	
Are climatic / hydrologic conditions on the site typical	I for this time o	f year?	Yes X	No (If no, exp	olain in Remarks.)	
Are Vegetation, Soil, or Hydrology	significantly of	disturbed? A	re "Normal (Circumstances" present?	Yes X N	lo
Are Vegetation , Soil , or Hydrology				plain any answers in Rer		
SUMMARY OF FINDINGS – Attach site n			g point lo	cations, transects,	important feat	tures, etc.
Hydrophytic Vegetation Present? Yes X	No	Is the	Sampled A	rea		
	No X		n a Wetland		No X	
Wetland Hydrology Present? Yes	No X					
Remarks:		•				
VEGETATION – Use scientific names of	plants.					
<u>Tree Stratum</u> (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test wor	·kshoot:	
1.	70 COVEI	Species:	Status			
2.		•		Number of Dominant S Are OBL, FACW, or F	•	2 (A)
3.				Total Number of Domi		`
4.				Across All Strata:		2 (B)
		=Total Cover		Percent of Dominant S		
Sapling/Shrub Stratum (Plot size: 30'	_)			Are OBL, FACW, or F	AC: 10	00.0% (A/B)
1.						
2. 3.				Prevalence Index wo Total % Cover of		v bv:
4				-	x 1 =	<u>y by.</u> 0
5.	_			FACW species 0		0
		=Total Cover		FAC species 8	0 x 3 =	240
Herb Stratum (Plot size: 30')	<u> </u>			FACU species 1	5 x 4 =	60
1. Bromus inermis	35	Yes	FAC	UPL species		0
2. Plantago patagonica	_ 15	No	FAC	Column Totals: 9	``/	300 (B)
3. Poa pratensis	30	Yes	FAC	Prevalence Index	= B/A = <u>3.1</u>	6
4. Trifolium pratense 5.	15	No	FACU	Hydrophytic Vegetat	ion Indicators:	
	_				Hydrophytic Veget	tation
7.				X 2 - Dominance Te		idilon.
8.				3 - Prevalence Inc	dex is ≤3.0 ¹	
9.					Adaptations ¹ (Provi	
10					s or on a separate	sheet)
11				5 - Wetland Non-\		1 (
Mandy Vina Stratum (Diet eizer 20)	95	=Total Cover			ophytic Vegetation	
Woody Vine Stratum (Plot size: 30'	_)			¹ Indicators of hydric so be present, unless dis		
1. 2.				·	tarbed or problems	auo.
-		=Total Cover		Hydrophytic Vegetation		
% Bare Ground in Herb Stratum	•				X No	
Remarks:						_

SOIL Sampling Point: UDP 46-24

Profile Desc Depth	cription: (Describe to Matrix	to the dep		ment th Featur		tor or o	onfirm the	absence of inc	dicators.)	
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Tex	ture	Remarks	6
0-4	10YR 3/2	100					Loamy	/Clavev	roots prese	ent
4-16	10YR 5/2	100					Loamy		'	
- 10	10111 0/2	100					Loaniy	Clayey		
							-			
							-			
¹ Type: C=C	oncentration, D=Depl	etion, RM=	Reduced Matrix, C	S=Cove	red or Co	oated S	and Grains.	² Location:	PL=Pore Lining, M	∕I=Matrix.
Hydric Soil	Indicators: (Applica	ble to all l	RRs, unless other	wise n	oted.)			Indicators for	Problematic Hydi	ric Soils³:
Histosol	(A1)		Sandy Gley	ed Matı	rix (S4)			2 cm Muc	k (A10) (LRR A, E)	
Histic Ep	oipedon (A2)		Sandy Red	ox (S5)				Iron-Mang	anese Masses (F1	2) (LRR D)
Black Hi	` '		Stripped Ma	,	,				nt Material (F21)	
	n Sulfide (A4)		Loamy Mud			(except	MLRA 1)		low Dark Surface (F	F22)
	ıck (A9) (LRR D, G)		Loamy Gle					Other (Ex	plain in Remarks)	
	d Below Dark Surface	e (A11)	Depleted M	`	,			3		
	ark Surface (A12)		Redox Dark						hydrophytic vegetat	
	fucky Mineral (S1)	20) (I DD (Depleted D						ydrology must be pr	
	Mucky Peat or Peat (S	52) (LRR (Redox Dep	ressions	S (F8)			uniess dis	turbed or problema	tic.
	Layer (if observed):									
Type:	achae).						Liveleia C	ail Dragant?	Vaa	No. V
Depth (ii	ncnes):						Hyaric So	oil Present?	Yes	No_X_
Remarks:										
HYDROLO	GY									
Wetland Hy	drology Indicators:									
Primary Indi	cators (minimum of o	ne is requi	red; check all that a	pply)				Secondary Inc	licators (2 or more i	required)
Surface	Water (A1)		Water-Stair	ned Lea	ves (B9)	(excep	t	Water-Sta	ined Leaves (B9) (I	MLRA 1, 2
High Wa	ater Table (A2)		MLRA 1	, 2, 4A,	and 4B)			4A, an	d 4B)	
Saturation	` '		Salt Crust (B11)					Patterns (B10)	
	larks (B1)		Aquatic Inv					Dry-Seaso	on Water Table (C2)
	nt Deposits (B2)		Hydrogen S						Visible on Aerial Ir	magery (C9)
	posits (B3)		Oxidized R			_	oots (C3)		nic Position (D2)	
	at or Crust (B4)		Presence o		,	,	(00)		quitard (D3)	
	oosits (B5)		Recent Iron						ral Test (D5)	5 4\
	Soil Cracks (B6)		Stunted or			(D1) (Li	RR A)		nt Mounds (D6) (LR	
	on Visible on Aerial Ir / Vegetated Concave	0 , (<i>'</i> — ` '	ain in K	emarks)			Frost-Hea	ve Hummocks (D7))
		Surface (E	DO)							
Field Obser		_	Na I) - II-le (:						
Surface Wat		s			nches):					
Water Table Saturation P		s			nches): _		Wetlen	d Hudrology Dr	rocent? Voc	No. V
			No <u>x</u> I	Jepin (i	nches):		vvelian	a nyarology Pi	resent? Yes	No_X_
(includes ca	corded Data (stream	dalide mo	nitoring well perial	nhotos	previous	inenec	tions) if ava	ailahle:		
Pescine Ke	COI UEU DAIA (SIIEdIII	gauge, IIIC	Amoning well, aeilal	ριιυιυδ,	Previous	, mapec	aurioj, ii ava	апаріс.		
Remarks:										

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Project/Site: Post Creek Hill - US 93	nty: Lake		Sampling Date:	9-17-24		
Applicant/Owner: MDT				State: MT	Sampling Point:	UDP 47-24
Investigator(s): B.Cline, F.Doty		Section, T	ownship, Ra	nge: S11 T19N R20W		
Landform (hillside, terrace, etc.): field		Local relief (co	oncave, conv	vex, none): convex	Slop	oe (%): 0-5
Subregion (LRR/MLRA): LRR E, MLRA 44A	Lat:	47.41408	9 l	ong: -114.097169	Datum:	NAD83
Soil Map Unit Name: Post silty clay loam, 4 to 8 per	cent slopes			NWI classif	ication: none	
Are climatic / hydrologic conditions on the site typica	I for this time o	f year?	Yes X	No (If no, exp	lain in Remarks.)	
Are Vegetation , Soil , or Hydrology	significantly of	disturbed? A	re "Normal (Circumstances" present?	Yes X No)
Are Vegetation, Soil, or Hydrology						
SUMMARY OF FINDINGS – Attach site r	 "					ures, etc.
Hydrophytic Vegetation Present? Yes	No X	Is the	Sampled A	rea		
	No X		n a Wetland		No X	
	No X					
Remarks:		•				
VEGETATION – Use scientific names of	plants.					
Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test wor	kshoot:	
1.	70 COVE	Species:	Status			
2.	_			Number of Dominant S Are OBL, FACW, or FA	•	0 (A)
3.				Total Number of Domi		` ,
4.				Across All Strata:	' <u> </u>	2 (B)
		=Total Cover		Percent of Dominant S	•	
Sapling/Shrub Stratum (Plot size: 30'	_)			Are OBL, FACW, or F	AC: <u>0</u>	.0% (A/B)
1				Prevalence Index wo	rkshoot:	
3.				Total % Cover of:		bv.
4.				OBL species 0		0
5.				FACW species 0	x 2 =	0
		=Total Cover	·	FAC species 23	3 x 3 =	69
Herb Stratum (Plot size: 30')				FACU species5		20
1. Plantago patagonica	30	Yes	UPL	UPL species 60		300
2. Bromus inermis	30 15	Yes	UPL	Column Totals: 88		889 (B)
Elymus trachycaulus Cirsium arvense	8	No No	FAC FAC	Prevalence Index =	- D/A - 4.42	<u>:</u>
5. Lactuca serriola		No	FACU	Hydrophytic Vegetati	on Indicators:	
6.					Hydrophytic Vegeta	ation
7.				2 - Dominance Te	st is >50%	
8.				3 - Prevalence Ind	lex is ≤3.0 ¹	
9					Adaptations ¹ (Provid	
10					s or on a separate	sheet)
11		T-4-1 0		5 - Wetland Non-V		(E I - i)
Woody Vine Stratum (Plot size: 30'	88	=Total Cover			phytic Vegetation ¹	
	_'			¹ Indicators of hydric so be present, unless dist		
2.				, ,	p. 55/6///u	· · ·
		=Total Cover		Hydrophytic Vegetation		
% Bare Ground in Herb Stratum				Present? Yes	No X	_
Remarks:						

SOIL Sampling Point: UDP 47-24

Profile Des	cription: (Descri	ibe to the depth	needed to docu	ıment tl	he indica	tor or o	confirm the	absence c	of indicators.)		
Depth	Matr	ix	Redo	x Featur	es						
(inches)	Color (moist) %	Color (moist)	%	Type ¹	Loc ²	Tex	ture		Remarks	
0-7	10YR 3/2	100					Loamy/	Clayey	rc	ots present	
7-16	10YR 4/2	100					Loamy/	Clayey	no red	dox; compa	cted
	-		_				·				
-	· -										
-											
¹ Type: C=C	oncentration, D=[Depletion, RM=F	Reduced Matrix. C	S=Cove	ered or Co	ated S	and Grains.	² Loca	ation: PL=Pore	Linina. M=N	Matrix.
	Indicators: (App								s for Problem		
Histosol			Sandy Gle						Muck (A10) (LI	-	
	pipedon (A2)		Sandy Red	-					Manganese Ma		(LRR D)
	istic (A3)		Stripped M						Parent Material		,
Hydrogen Sulfide (A4) Loamy Mucky Mineral (F1) (except MLRA 1)						t MLRA 1)		Shallow Dark S	` '	2)	
1 cm Muck (A9) (LRR D, G) Loamy Gleyed Matrix (F2)							,		r (Explain in Re	-	,
	d Below Dark Sur		Depleted N	-					\	,	
	ark Surface (A12)	` ,	Redox Dar	•	,			³ Indicator	s of hydrophytic	c vegetation	and
	Mucky Mineral (S1		Depleted D		, ,				nd hydrology m	•	
2.5 cm l	Mucky Peat or Pe	, at (S2) (LRR G)	Redox Dep	· · · · · · · · · · · · · · · · · · ·						oroblematic	
Restrictive	Layer (if observe	ed):	<u> </u>								
Type:		,-									
Depth (i	nches):		_				Hydric So	oil Present	:?	Yes	No X
Remarks:							,				
r torrianto.											
HYDROLO	OGY										
_	drology Indicato		od: abook all that	annly)				Sacandar	y Indicators (2	or more rea	uirod)
=	cators (minimum Water (A1)	or one is require	Water-Stai		wes (R0)	(ovcon	<u> </u>		r-Stained Leav		
	ater Table (A2)				, and 4B)	(excep	,,		A, and 4B)	es (D9) (ML	.KA 1, 2
Saturati			Salt Crust		, and 46)				age Patterns (E	310)	
	/arks (B1)		Aquatic Inv		tes (B13)				Season Water T	,	
	nt Deposits (B2)		Hydrogen						ation Visible or		nery (C9)
	posits (B3)		Oxidized R		, ,		oots (C3)		norphic Position		go.y (00)
	at or Crust (B4)		Presence of			_	()		ow Aquitard (D		
	posits (B5)		Recent Iro				Is (C6)		Neutral Test (D		
	Soil Cracks (B6)		Stunted or				,		ed Ant Mounds	•	A)
	ion Visible on Aer	ial Imagery (B7)				, , ,	,		-Heave Hummo		,
	y Vegetated Cond				,					, ,	
Field Obser	rvations:	•	-								
Surface Wat		Yes	No	Depth (i	inches):						
Water Table		Yes			inches):		1				
Saturation P	Present?	Yes			inches):		Wetlan	d Hydrolog	gy Present?	Yes	No X
(includes ca	pillary fringe)				· -		<u></u>				
Describe Re	corded Data (stre	am gauge, mor	nitoring well, aeria	photos	, previous	inspec	ctions), if ava	ailable:			
Remarks:											

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Project/Site: Post Creek Hill - US 93		City/Cour	nty: Lake		Sampling Dat	e: <u>9-17-2024</u>			
Applicant/Owner: MDT			,	State: MT Sampling Point: UDP 48-24					
Investigator(s): B.Cline, F.Doty		Section, T	ownship, Rai	nge: S14 T19N R20W	1				
Landform (hillside, terrace, etc.): field		 Local relief (co	oncave, conv	ex, none): convex		Slope (%): 5-10			
Subregion (LRR/MLRA): LRR E, MLRA 44A	Lat:	47.41149)1 L	ong: -114.097426		n: NAD83			
Soil Map Unit Name: Post silty clay loam, 4 to 8 per				NWI class	sification: none	-			
Are climatic / hydrologic conditions on the site typica	I for this time o	f year?	Yes X	No (If no, ex	φlain in Remarks	.)			
Are Vegetation, Soil, or Hydrology		-	re "Normal C	ircumstances" present	? Yes X	No			
Are Vegetation, Soil, or Hydrology									
SUMMARY OF FINDINGS – Attach site r						eatures, etc.			
Hydrophytic Vegetation Present? Yes	No X	Is the	Sampled A	rea					
	No X		n a Wetland		No X				
Wetland Hydrology Present? Yes	No X								
VEGETATION – Use scientific names of									
<u>Tree Stratum</u> (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test wo	orksheet:				
1	70 0010.	ороское:	<u> </u>	Number of Dominant					
2.				Are OBL, FACW, or	•	1 (A)			
3. 4.				Total Number of Don Across All Strata:	ninant Species	2 (B)			
		=Total Cover		Percent of Dominant	Species That				
Sapling/Shrub Stratum (Plot size: 30'	_)			Are OBL, FACW, or	FAC:	50.0% (A/B)			
2.				Prevalence Index w	orksheet:				
3.				Total % Cover of	of: Mult	iply by:			
4.				OBL species	0 x 1 =	0			
5				· ·	0 x 2 =	0			
		=Total Cover		· · · · · ·	35 x 3 =	105			
Herb Stratum (Plot size: 30')	25	V	LIDI	· -	8 x4=_	32			
Plantago patagonica Cirsium arvense	25 25	Yes Yes	FAC	· · · · · · · · · · · · · · · · · · ·	<u>25 </u>	125 262 (B)			
Dipsacus fullonum	10	No	FAC	Prevalence Index	` `	3.85			
Sisymbrium altissimum	8	No	FACU	1 Totalones mask					
5.				Hydrophytic Vegeta	tion Indicators:				
6.				1 - Rapid Test fo	r Hydrophytic Ve	getation			
7.				2 - Dominance T	est is >50%				
8				3 - Prevalence Ir					
9					l Adaptations ¹ (Pro				
10					ks or on a separa	ite sheet)			
11	68	=Total Cover			-Vascular Plants ¹ rophytic Vegetation	on ¹ (Explain)			
Woody Vine Stratum (Plot size: 30')	. 5 55751		¹ Indicators of hydric s		, , ,			
1.	_′ 			be present, unless di					
2.		=Total Cover		Hydrophytic Vegetation					
% Bare Ground in Herb Stratum				Present? Yes	S No_	X			
Remarks:									

SOIL Sampling Point: UDP 48-24

Profile Des	cription: (Describe	to the depth	needed to docu	ıment tl	ne indica	tor or c	confirm the	absence o	of indicators.)
Depth	Matrix		Redo	x Featur	es				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Tex	ture	Remarks
0-4	10YR 3/3	100					Loamy	Clayey_	roots present; 30% rock
4-16	10YR 3/3	100	_				Loamy	Clayey	compacted
									·
-	· ·	· — –					•		
-	· -								-
	· -								
¹ Type: C=C	oncentration, D=Dep	letion, RM=R	educed Matrix, C	S=Cove	ered or Co	ated S	and Grains.	² Loca	ation: PL=Pore Lining, M=Matrix.
Hydric Soil	Indicators: (Applica	able to all LR	Rs, unless othe	rwise n	oted.)			Indicator	s for Problematic Hydric Soils ³ :
Histosol	I (A1)		Sandy Gle	yed Mat	rix (S4)			2 cm	Muck (A10) (LRR A, E)
Histic E	pipedon (A2)		Sandy Red	dox (S5)				Iron-N	Manganese Masses (F12) (LRR D)
Black H	istic (A3)		Stripped M	latrix (S6	3)			Red F	Parent Material (F21)
Hydroge	en Sulfide (A4)		Loamy Mu	cky Mine	eral (F1) (except	MLRA 1)	Very	Shallow Dark Surface (F22)
1 cm Mu	uck (A9) (LRR D, G)		Loamy Gle	yed Ma	trix (F2)			Other	r (Explain in Remarks)
Deplete	d Below Dark Surfac	e (A11)	Depleted N	∕latrix (F	3)				
Thick D	ark Surface (A12)		Redox Dar	k Surfac	e (F6)				s of hydrophytic vegetation and
	Mucky Mineral (S1)		Depleted [, ,				nd hydrology must be present,
2.5 cm l	Mucky Peat or Peat (S2) (LRR G)	Redox Dep	oression	s (F8)			unles	s disturbed or problematic.
Restrictive	Layer (if observed):								
Type:			_						
Depth (inches):							Hydric So	oil Present	? Yes No X
Remarks:									
HYDROLO	OGY								
Wetland Hy	drology Indicators:								
Primary Indi	cators (minimum of o	one is required							y Indicators (2 or more required)
	Water (A1)		Water-Stai		, ,	(excep	t	Wate	r-Stained Leaves (B9) (MLRA 1, 2
	ater Table (A2)				and 4B)				A, and 4B)
Saturati			Salt Crust						age Patterns (B10)
	Marks (B1)		Aquatic Inv						Season Water Table (C2)
	nt Deposits (B2)		Hydrogen		,		. (00)		ration Visible on Aerial Imagery (C9)
	posits (B3)		Oxidized R			_	.00ts (C3)		norphic Position (D2)
	at or Crust (B4) posits (B5)		Recent Iro		,	,	lo (C6)		ow Aquitard (D3)
	Soil Cracks (B6)		Stunted or				` '		Neutral Test (D5) ed Ant Mounds (D6) (LRR A)
	ion Visible on Aerial	magery (R7)	Other (Exp			(D1) (L 1	IXIX A)		-Heave Hummocks (D7)
	y Vegetated Concave			nam m	torriarito)				Tiedve Fidilinieoko (B7)
Field Obser			,						
Surface Wa		es	No x	Denth (i	nches):				
Water Table		es		Depth (i	· -				
Saturation P				Depth (i			Wetlan	d Hydroloc	gy Present? Yes No X
	pillary fringe)			. (′ –			,	<u> </u>
	Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:								
Remarks:									

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Project/Site: Post Creek Hill - US 93	nty: Lake		Sampling Date:	9-17-2024					
Applicant/Owner: MDT				State: MT Sampling Point: UDP 49-24					
Investigator(s): B.Cline, F.Doty		Section, T	ownship, Ra	nge: S14 T19N R20W					
Landform (hillside, terrace, etc.): field		Local relief (co	oncave, conv	ex, none): convex	Slop	pe (%): <u>5-10</u>			
Subregion (LRR/MLRA): LRR E, MLRA 44A	Lat:	47.40782	23 L	ong: <u>-114.097392</u>	Datum:	NAD83			
Soil Map Unit Name: Post silty clay loam, 2 to 4 per	cent slopes			NWI classif	fication: none				
Are climatic / hydrologic conditions on the site typical	al for this time o	f year?	Yes X	No (If no, exp	olain in Remarks.)				
Are Vegetation, Soil, or Hydrology	significantly	disturbed? A	re "Normal C	ircumstances" present?	Yes X No	o			
Are Vegetation, Soil, or Hydrology_	naturally prol	blematic? (f needed, ex	olain any answers in Rer	marks.)				
SUMMARY OF FINDINGS – Attach site	map showin	ıg samplin	g point lo	cations, transects,	important feat	tures, etc.			
Hydrophytic Vegetation Present? Yes	No_X	Is the	Sampled A	·ea					
Hydric Soil Present? Yes	No X	withi	n a Wetland	? Yes	No X				
Wetland Hydrology Present? Yes	No X								
Remarks: VEGETATION – Use scientific names of	f plants.								
	Absolute	Dominant	Indicator						
Tree Stratum (Plot size: 30')	% Cover	Species?	Status	Dominance Test wor					
1. 2.				Number of Dominant S Are OBL, FACW, or F	•	1 (A)			
3.				Total Number of Domi					
4.				Across All Strata:		3 (B)			
		=Total Cover		Percent of Dominant S	•				
Sapling/Shrub Stratum (Plot size: 30')			Are OBL, FACW, or F	AC: 33	3.3% (A/B)			
1 2.				Prevalence Index wo	rksheet:				
3.				Total % Cover of		/ by:			
4.				OBL species 0		0			
5.				FACW species 0) x 2 =	0			
		=Total Cover		·		45			
Herb Stratum (Plot size: 30') 1. Plantago patagonica	25	Yes	UPL	FACU species 1: UPL species 2:		60 125			
Sisymbrium altissimum	15	Yes	FACU	Column Totals: 5		230 (B)			
Cirsium arvense 4.	15	Yes	FAC	Prevalence Index	`` /				
5.				Hydrophytic Vegetati	ion Indicators:				
6.					Hydrophytic Veget	ation			
7				2 - Dominance Te					
8.				3 - Prevalence Inc					
9					Adaptations ¹ (Provid s or on a separate				
11.	_			5 - Wetland Non-\	•	,			
	55	=Total Cover			ophytic Vegetation ¹	(Explain)			
Woody Vine Stratum (Plot size: 30' 1.)			¹ Indicators of hydric so be present, unless dis					
2.				Hydrophytic	·				
% Bare Ground in Herb Stratum		=Total Cover	_	Vegetation Present? Yes	NoX	_			
Remarks:									

SOIL Sampling Point: UDP 49-24

Profile Des	cription: (Describe	to the depth	needed to docu	ıment tl	ne indica	tor or c	confirm the	absence o	of indicators.)
Depth	Matrix		Redo	x Featur	es				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Tex	ture	Remarks
0-5	10YR 3/3	100					Loamy	/Clayey	roots present
5-16	10YR 3/3	100	_				Loamy	/Clayey	compacted
,									
-		- — –							
•	· -						-		
		. — —					•		
¹ Type: C=C	oncentration, D=Dep	oletion, RM=R	educed Matrix, C	S=Cove	ered or Co	ated S	and Grains.	² Loca	ition: PL=Pore Lining, M=Matrix.
Hydric Soil	Indicators: (Applica	able to all LR	Rs, unless othe	rwise n	oted.)			Indicator	s for Problematic Hydric Soils ³ :
Histosol	I (A1)		Sandy Gle	yed Mat	rix (S4)			2 cm	Muck (A10) (LRR A, E)
Histic E	pipedon (A2)		Sandy Red	dox (S5)				Iron-N	Manganese Masses (F12) (LRR D)
Black H	istic (A3)		Stripped M	latrix (S	3)			Red F	Parent Material (F21)
Hydroge	en Sulfide (A4)		Loamy Mu	cky Min	eral (F1) (except	MLRA 1)	Very	Shallow Dark Surface (F22)
1 cm Mu	uck (A9) (LRR D, G)		Loamy Gle	eyed Ma	trix (F2)			Other	(Explain in Remarks)
	d Below Dark Surfac	e (A11)	Depleted N	•	•				
Thick D	ark Surface (A12)		Redox Dar						s of hydrophytic vegetation and
	Mucky Mineral (S1)		Depleted D		` '				nd hydrology must be present,
2.5 cm l	Mucky Peat or Peat ((S2) (LRR G)	Redox Dep	oression	s (F8)			unles	s disturbed or problematic.
Restrictive	Layer (if observed):	•							
Type:			_						
Depth (i	Depth (inches):						Hydric So	oil Present	? Yes No X
Remarks:									
HYDROLO	OGY								
Wetland Hy	drology Indicators:								
Primary Indi	cators (minimum of o	one is require							y Indicators (2 or more required)
	Water (A1)		Water-Stai		, ,	(excep	t		r-Stained Leaves (B9) (MLRA 1, 2
	ater Table (A2)				and 4B)				A, and 4B)
Saturati			Salt Crust	-					age Patterns (B10)
	Marks (B1)		Aquatic Inv						Season Water Table (C2)
	nt Deposits (B2)		Hydrogen		,		. (00)		ration Visible on Aerial Imagery (C9)
	posits (B3)		Oxidized R			_	.00ts (C3)		norphic Position (D2)
	at or Crust (B4) posits (B5)		Recent Iro		,	,	lo (C6)		ow Aquitard (D3)
	Soil Cracks (B6)		Stunted or				` '		Neutral Test (D5) ed Ant Mounds (D6) (LRR A)
	ion Visible on Aerial	Imagery (R7)	Other (Exp			(D1) (L 1	IXIX A)		-Heave Hummocks (D7)
	y Vegetated Concave			, a	(ciriarito)				Tioave Tallinooke (BT)
Field Obser			,						
		es	No x	Denth (i	inches):				
Water Table		es		Depth (i	· -				
Saturation P		es		Depth (i	_		Wetlan	d Hydroloc	gy Present? Yes No X
	pillary fringe)			1 (J	<u> </u>
	Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:								
Remarks:									

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Project/Site: Post Creek Hill - US 93		City/Cour	nty: Lake		Sampling Date:	9-17-2024
Applicant/Owner: MDT				State: MT	Sampling Point:	UDP 50-24
Investigator(s): B.Cline, F.Doty		Section, T	ownship, Rar	nge: S14 T19N R20W		
Landform (hillside, terrace, etc.): field		Local relief (co	oncave, conv	ex, none): convex	Slop	oe (%): 0-5
Subregion (LRR/MLRA): LRR E, MLRA 44A	Lat:	47.40282	26 L	ong: -114.097483	 Datum:	NAD83
Soil Map Unit Name: Bolack silt loam, 0 to 2 percent	t slopes			NWI classif	ication: none	•
Are climatic / hydrologic conditions on the site typica	I for this time o	f year?	Yes X	No (If no, exp	olain in Remarks.)	
Are Vegetation, Soil, or Hydrology	significantly			<u> </u>)
Are Vegetation, Soil, or Hydrology						
SUMMARY OF FINDINGS – Attach site r						ures, etc.
Hydrophytic Vegetation Present? Yes X	No	Is the	Sampled A	·ea		
	No X		n a Wetland?		No X	
Wetland Hydrology Present? Yes	No X					
Remarks: VEGETATION – Use scientific names of	plants.					
Tree Stratum (Diet size: 20')	Absolute	Dominant Species?	Indicator	Dominance Test wer	·kahaat:	
Tree Stratum (Plot size: 30')	% Cover	Species?	Status	Dominance Test wor		
1. 2.				Number of Dominant S Are OBL, FACW, or F.	•	1 (A)
3.				Total Number of Domi		```
4				Across All Strata:	·	1 (B)
Sapling/Shrub Stratum (Plot size: 30'	_)	=Total Cover		Percent of Dominant S Are OBL, FACW, or F	•	0.0% (A/B)
2.				Prevalence Index wo	rksheet:	
3.				Total % Cover of		by:
4.				OBL species 0	x 1 =	0
5.				FACW species 0) x 2 =	0
		=Total Cover		FAC species 8		240
Herb Stratum (Plot size: 30')	C.F.	V	FAC	FACU species 20		80
Poa pratensis Trifolium pratense	65 15	Yes No	FACU FACU	UPL species Column Totals: 10) x 5 = (A) 3	0 320 (B)
Plantago major	10	No	FAC	Prevalence Index	` ′	``
Lactuca serriola		No	FACU	Trovaloneo maex	<u> </u>	
5. Barbarea vulgaris	5	No	FAC	Hydrophytic Vegetati	ion Indicators:	
6.				1 - Rapid Test for	Hydrophytic Vegeta	ation
7				X 2 - Dominance Te		
8				3 - Prevalence Inc		
9.					Adaptations ¹ (Provides s or on a separates	
10						sileet)
11	100	=Total Cover		5 - Wetland Non-\	vascular Plants ophytic Vegetation ¹	(Evolain)
Woody Vine Stratum (Plot size: 30')					` ' '
1				¹ Indicators of hydric so be present, unless dis		
2.		=Total Cover		Hydrophytic Vegetation		
% Bare Ground in Herb Stratum				Present? Yes	X No	
Remarks:						

SOIL Sampling Point: UDP 50-24

Profile Desc	cription: (Describ	e to the depth	needed to docu	ıment tl	ne indica	tor or c	onfirm the	absence of	indicators.)	
Depth	Matrix		Redo	x Featur	es					
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Tex	ture	Rema	arks
0-6	10YR 3/2	100					Loamy/	/Clayey	roots p	resent
6-16	10YR 3/2	100					Loamy	/Clayey		
	-									
	-									
¹ Type: C=C	oncentration, D=De	pletion, RM=R	Reduced Matrix, C	S=Cove	ered or Co	ated S	and Grains.	² Locat	ion: PL=Pore Linin	g, M=Matrix.
Hydric Soil	Indicators: (Appli	cable to all LF	RRs, unless othe	rwise n	oted.)			Indicators	for Problematic H	lydric Soils³:
Histosol	(A1)		Sandy Gle	yed Mat	rix (S4)			2 cm N	Muck (A10) (LRR A	, E)
Histic E	pipedon (A2)		Sandy Red	lox (S5)				Iron-M	anganese Masses	(F12) (LRR D)
Black Hi	istic (A3)		Stripped M	atrix (S6	3)			Red P	arent Material (F21))
Hydroge	en Sulfide (A4)		Loamy Mu	cky Mine	eral (F1) (except	MLRA 1)	Very S	Shallow Dark Surfac	e (F22)
1 cm Mu	uck (A9) (LRR D, G)	Loamy Gle	yed Ma	trix (F2)			Other	(Explain in Remark	s)
Depleted	d Below Dark Surfa	ce (A11)	Depleted N	∕latrix (F	3)					
Thick Da	ark Surface (A12)		Redox Dar	k Surfac	e (F6)			³ Indicators	of hydrophytic vege	etation and
Sandy N	Mucky Mineral (S1)		Depleted D	ark Sur	face (F7)			wetlan	d hydrology must b	e present,
2.5 cm l	Mucky Peat or Peat	(S2) (LRR G)	Redox Dep	ression	s (F8)			unless	disturbed or proble	ematic.
Restrictive	Layer (if observed):								
Type:										
Depth (i	nches):		<u> </u>				Hydric So	oil Present?	Yes_	No X
Remarks:										
HYDROLC	OGY									
Wetland Hy	drology Indicators	s:								
Primary Indi	cators (minimum of	one is require	d; check all that a	apply)				Secondary	Indicators (2 or mo	ore required)
Surface	Water (A1)		Water-Stai	ned Lea	ives (B9)	(excep	t	Water	-Stained Leaves (B	9) (MLRA 1, 2
High Wa	ater Table (A2)		MLRA	1, 2, 4A,	and 4B)			4A,	, and 4B)	
Saturation	on (A3)		Salt Crust	(B11)				Draina	ige Patterns (B10)	
Water M	larks (B1)		Aquatic Inv	/ertebra	tes (B13)			Dry-Se	eason Water Table	(C2)
Sedime	nt Deposits (B2)		Hydrogen		,			Satura	tion Visible on Aeri	al Imagery (C9)
	posits (B3)		Oxidized R			-	oots (C3)		orphic Position (D2))
	at or Crust (B4)		Presence of						w Aquitard (D3)	
	posits (B5)		Recent Iro				,		leutral Test (D5)	
	Soil Cracks (B6)		Stunted or			(D1) (L I	RR A)		d Ant Mounds (D6)	
	on Visible on Aeria		Other (Exp	lain in F	Remarks)			Frost-l	Heave Hummocks ((D7)
Sparsely	y Vegetated Conca	ve Surface (B8	3)							
Field Obser										
Surface Wat		/es			nches):					
Water Table		/es		Depth (i	_					
Saturation P		/es	No <u>x</u>	Depth (i	nches):		Wetlan	d Hydrology	y Present? Yes _	No X
	pillary fringe) corded Data (strea	m dalido mon	itoring wall carial	nhotoc	provious	inenee	tions) if and	ailahla:		
Describe Re	ะบานยน บลเล (รเโยล	ın gauge, mon	noning wen, aeria	priotos	, previous	inspec	uons), n ava	anabie.		
Remarks:										
c.manto.										

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Project/Site: Post Creek Hill - US 93		City/Cour	nty: Lake		Sampling Da	te: 9-17-2024
Applicant/Owner: MDT			-	State: MT	Sampling Poi	int: UDP 51-24
Investigator(s): B.Cline, F.Doty		Section, T	ownship, Ra	nge: S23 T19N R20V	٧	
Landform (hillside, terrace, etc.): field		 Local relief (co	oncave, conv	ex, none): convex	;	Slope (%): 0-5
Subregion (LRR/MLRA): LRR E, MLRA 44A	Lat:	47.39737	'8 L	.ong: -114.097060	Datu	m: NAD93
Soil Map Unit Name: Lamoose loam, 0 to 2 percent					sification: none	
Are climatic / hydrologic conditions on the site typica	al for this time o	f year?	Yes X	No (If no, e	xplain in Remarks	s.)
Are Vegetation, Soil, or Hydrology		-	re "Normal C	circumstances" presen	t? Yes X	No
Are Vegetation, Soil, or Hydrology						
SUMMARY OF FINDINGS – Attach site						eatures, etc.
Hydrophytic Vegetation Present? Yes	No X	Is the	Sampled A	rea		
Hydric Soil Present? Yes	No X		n a Wetland		No X	
Wetland Hydrology Present? Yes	No X				_	
VEGETATION – Use scientific names of	•					
<u>Tree Stratum</u> (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test w	orksheet:	
1	70 00101	оросност.	Otatao	Number of Dominan		
2.				Are OBL, FACW, or	•	0 (A)
3. 4.				Total Number of Doi Across All Strata:	minant Species	1 (B)
		=Total Cover		Percent of Dominan	t Species That	
Sapling/Shrub Stratum (Plot size: 30')			Are OBL, FACW, or	FAC:	0.0% (A/B)
2.				Prevalence Index v	vorksheet:	
3.				Total % Cover	of: Mul	tiply by:
4				OBL species	0 x 1 =	0
5				FACW species	0 x 2 = _	
Harb Strature (Diet sine)		=Total Cover		FACILIANT Size	0 x 3 = _	0
Herb Stratum (Plot size: 30') 1. Bromus inermis	60	Yes	UPL	FACU species UPL species	10 x 4 = 80 x 5 =	400
Erigeron caespitosus	5	No	UPL	Column Totals:	90 (A)	440 (B)
3. Plantago patagonica	15	No	UPL	Prevalence Index	. , _	4.89
4. Lactuca serriola	10	No	FACU		<u>-</u>	
5.				Hydrophytic Vegeta	ation Indicators:	
6				1 - Rapid Test fo	or Hydrophytic Ve	getation
7				2 - Dominance		
8				3 - Prevalence I		
9.					al Adaptations ¹ (Pr irks or on a separa	
10					n-Vascular Plants	
11	90	=Total Cover			i-vasculai Plants drophytic Vegetati	
Woody Vine Stratum (Plot size: 30'			¹ Indicators of hydric		, , ,	
1.				be present, unless d		
2.		=Total Cover		Hydrophytic Vegetation		
% Bare Ground in Herb Stratum				Present? Ye	s No_	X
Remarks:						

SOIL Sampling Point: UDP 51-24

Profile Des	cription: (Describe	to the depth	needed to docu	ıment tl	ne indica	tor or c	confirm the	absence c	of indicators.)
Depth	Matrix		Redo	x Featur	es				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Tex	ture	Remarks
0-4	7.5YR 4/3	100					Loamy/	Clayey_	Roots present
4-16	7.5YR 5/2	100	_				Loamy/	Clayey	No redox, compacted
									· · · · · · · · · · · · · · · · · · ·
,									
,									
-									
1	. ,								
¹ Type: C=C	oncentration, D=Dep	letion, RM=R	educed Matrix, C	S=Cove	ered or Co	ated S	and Grains.	² Loca	ation: PL=Pore Lining, M=Matrix.
Hydric Soil	Indicators: (Applica	able to all LR	Rs, unless othe	rwise n	oted.)			Indicator	s for Problematic Hydric Soils ³ :
Histosol	l (A1)		Sandy Gle	yed Mat	rix (S4)			2 cm	Muck (A10) (LRR A, E)
Histic E	pipedon (A2)		Sandy Red	dox (S5)				Iron-N	Manganese Masses (F12) (LRR D)
Black H	istic (A3)		Stripped M	latrix (S6	3)			Red F	Parent Material (F21)
Hydroge	en Sulfide (A4)		Loamy Mu	cky Mine	eral (F1) (except	MLRA 1)	Very	Shallow Dark Surface (F22)
1 cm Mu	uck (A9) (LRR D, G)		Loamy Gle	yed Ma	trix (F2)			Other	r (Explain in Remarks)
	d Below Dark Surfac	e (A11)	Depleted N	∕latrix (F	3)				
Thick D	ark Surface (A12)		Redox Dar	k Surfac	e (F6)				s of hydrophytic vegetation and
Sandy N	Mucky Mineral (S1)		Depleted D	Oark Sur	face (F7)			wetla	nd hydrology must be present,
2.5 cm l	Mucky Peat or Peat (S2) (LRR G)	Redox Dep	oression	s (F8)			unles	s disturbed or problematic.
Restrictive	Layer (if observed):								
Type:			<u> </u>						
Depth (inches):							Hydric So	oil Present	? Yes No X
Remarks:									
HYDROLO	OGY								
Wetland Hy	drology Indicators:								
Primary Indi	cators (minimum of o	one is require	d; check all that a	apply)				Secondar	y Indicators (2 or more required)
Surface	Water (A1)		Water-Stai	ned Lea	ives (B9)	(excep	t	Wate	r-Stained Leaves (B9) (MLRA 1, 2
High Wa	ater Table (A2)		MLRA	1, 2, 4A,	and 4B)			4/	A, and 4B)
Saturati	on (A3)		Salt Crust	(B11)				Drain	age Patterns (B10)
Water N	/larks (B1)		Aquatic Inv	/ertebra	tes (B13)				Season Water Table (C2)
	nt Deposits (B2)		Hydrogen		,				ration Visible on Aerial Imagery (C9)
	posits (B3)		Oxidized R			_	oots (C3)		norphic Position (D2)
	at or Crust (B4)		Presence of		,	,			ow Aquitard (D3)
	posits (B5)		Recent Iro				` '		Neutral Test (D5)
	Soil Cracks (B6)	(5-1)	Stunted or			(D1) (L l	RR A)		ed Ant Mounds (D6) (LRR A)
	ion Visible on Aerial I		Other (Exp	olain in F	(emarks)				-Heave Hummocks (D7)
	y Vegetated Concave	e Surface (B8)						
Field Obser									
	ter Present? Ye				nches):				
Water Table				Depth (i	_		\A/-4!-	ا - المعالم	mu Bussaut 2 Van Na V
Saturation P			No <u>x</u>	Depth (i	ncnes): _		vvetian	u myarolog	gy Present? Yes No X
	(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:								
Pescine 1/6	oorded Data (Stredit	i gauge, mom	coming well, aella	PHOLOS	, previous	maped		abi6.	
Remarks:									

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Project/Site: Post Creek Hill - US 93		City/Cou	nty: Lake		Sampling Date:	9-18-2024
Applicant/Owner: MDT			'	State: MT	Sampling Point:	UDP 52-24
Investigator(s): B.Cline, F.Doty		Section, T	ownship, Ra	inge: S23 T19N R20W		
Landform (hillside, terrace, etc.): riparian		 Local relief (co	oncave, conv	/ex, none): convex	Slop	pe (%): 0-5
Subregion (LRR/MLRA): LRR E, MLRA 44A	Lat:	47.38740	08	Long: -114.097459	 Datum:	NAD83
Soil Map Unit Name: Ronan silty clay loam, 2 to 4 pe	ercent slopes			NWI classif	fication: PEM1C	
Are climatic / hydrologic conditions on the site typica	I for this time o	f year?	Yes X	No (If no, exp	olain in Remarks.)	
Are Vegetation , Soil , or Hydrology	significantly	disturbed? A	Are "Normal (Circumstances" present?	Yes X No	0
Are Vegetation, Soil, or Hydrology						
SUMMARY OF FINDINGS – Attach site r						tures, etc.
Hydrophytic Vegetation Present? Yes	No X	Is the	Sampled A	rea		
	No X		n a Wetland		No X	
	No X					
Remarks:						
VEGETATION – Use scientific names of	plants.					
	Absolute	Dominant	Indicator			
Tree Stratum (Plot size: 30')	% Cover	Species?	Status	Dominance Test wor	ksheet:	
1				Number of Dominant S	•	
2	_			Are OBL, FACW, or F.	AC:	2 (A)
3.				Total Number of Domi	nant Species	4 (D)
4.		=Total Cover		Across All Strata:		4 (B)
Sapling/Shrub Stratum (Plot size: 30'	, ——	- Total Govel		Percent of Dominant S Are OBL, FACW, or F.	•	0.0% (A/B)
1. Rosa woodsii	- ' 5	No	FACU	, 022,		<u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>
2. Symphoricarpos albus	50	Yes	FACU	Prevalence Index wo	rksheet:	
3. Prunus virginiana	5	No	FACU	Total % Cover of	: Multiply	/ by:
4				OBL species 0	x 1 =	0
5				· · · · · · · · · · · · · · · · · · ·) x 2 =	0
Harl Otration (Districts 200)	60	=Total Cover		· -		75
Herb Stratum (Plot size: 30') 1. Linaria vulgaris	8	No	UPL	FACU species 70		<u>40</u>
Linaria vulgaris Dipsacus fullonum	10	Yes	FAC	Column Totals: 10		395 (B)
3. Cirsium arvense	15	Yes	FAC	Prevalence Index		()
4. Taraxacum officinale	10	Yes	FACU			
5.				Hydrophytic Vegetati	ion Indicators:	
6.				1 - Rapid Test for	Hydrophytic Vegeta	ation
7	_			2 - Dominance Te	st is >50%	
8				3 - Prevalence Inc		
9					Adaptations ¹ (Provid	
10					s or on a separate	sneet)
11		-Total Cavar		5 - Wetland Non-\	vascular Plants [.] ophytic Vegetation ¹	(Evalois)
Woody Vine Stratum (Plot size: 30'	43	=Total Cover		l 		,
<u> </u>				¹ Indicators of hydric so be present, unless dis		
2.				, i	tarboa or problema	
		=Total Cover		Hydrophytic Vegetation		
% Bare Ground in Herb Stratum				Present? Yes	No_X	
Remarks:				<u>'</u>		

SOIL Sampling Point: UDP 52-24

	cription: (Describe	to the depth				tor or c	onfirm the	absence of i	ndicators.)	
Depth	Matrix			x Featur		. 2	_			
(inches)	Color (moist)	<u>%</u>	Color (moist)	%	Type ¹	Loc ²	Tex		Remarks	
0-7	10YR 3/2	100					Loamy	/Clayey	Roots prese	ent
7-16	10YR 4/3	100					Loamy	/Clayey		
							-			
1Typo: C=C	oncentration, D=Depl	otion PM-E	Poducod Matrix C	S=Cove	rod or Co	natod S	and Grains	² Locatio	n: PL=Pore Lining, M	I-Matrix
	Indicators: (Applica					Jaleu S	anu Grains.		or Problematic Hydr	
Histosol		Die to all Li	Sandy Gle						uck (A10) (LRR A, E)	ic dolla .
	pipedon (A2)		Sandy Red						nganese Masses (F12) (LRR D)
Black Hi			Stripped M						rent Material (F21)	-) (- : (1 -)
	n Sulfide (A4)		Loamy Mu	,	,	except	MLRA 1)		allow Dark Surface (F	22)
	ick (A9) (LRR D, G)		Loamy Gle				,		Explain in Remarks)	,
	Below Dark Surface	e (A11)	Depleted N	-						
Thick Da	ark Surface (A12)		Redox Dar	k Surfac	e (F6)			³ Indicators o	of hydrophytic vegetati	on and
Sandy M	lucky Mineral (S1)		Depleted D	ark Sur	face (F7)			wetland	hydrology must be pr	esent,
2.5 cm N	/lucky Peat or Peat (ເ	S2) (LRR G)	Redox Dep	ression	s (F8)			unless o	listurbed or problemat	tic.
Restrictive I	Layer (if observed):									
Type:										
Depth (ir	nches):		<u> </u>				Hydric S	oil Present?	Yes	No X
Remarks:						•				
	-014									
HYDROLO										
_	drology Indicators:									
	cators (minimum of o	ne is require							ndicators (2 or more r	
	Water (A1)		Water-Stai				t		Stained Leaves (B9) (/ILRA 1, 2
	iter Table (A2)				and 4B)			•	and 4B)	
Saturatio			Salt Crust Aquatic Inv		too (P12)				e Patterns (B10) son Water Table (C2	
	arks (B1) nt Deposits (B2)		Hydrogen S						on Visible on Aerial In	
	oosits (B3)		Oxidized R		, ,		oots (C3)		phic Position (D2)	lagery (C9)
	it or Crust (B4)		Presence of			-	0013 (00)		Aquitard (D3)	
	osits (B5)		Recent Iro				s (C6)		utral Test (D5)	
	Soil Cracks (B6)		Stunted or				,		Ant Mounds (D6) (LR I	R A)
Inundation	on Visible on Aerial Ir	magery (B7)	Other (Exp	lain in F	Remarks)		•	Frost-He	eave Hummocks (D7)	
Sparsely	Vegetated Concave	Surface (B8	B)							
Field Obser	vations:									
Surface Wat	er Present? Ye	s	No x	Depth (i	nches):					
Water Table	Present? Ye	s			nches):					
Saturation Pr	resent? Ye	s	No x	Depth (i	nches):		Wetlan	d Hydrology	Present? Yes	NoX
(includes cap										
Describe Re	corded Data (stream	gauge, mon	itoring well, aerial	photos	, previous	inspec	tions), if ava	ailable:		
Remarks:										

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Project/Site: Post Creek Hill - US 93		City/Cour	nty: Lake		Sampling Date	9-18-2024
Applicant/Owner: MDT				State: MT	Sampling Point	:: UDP 53-24
Investigator(s): B.Cline, F.Doty		Section, T	ownship, Ra	nge: S26 T19N R20W	(
Landform (hillside, terrace, etc.): field		 Local relief (co	oncave, conv	ex, none): convex	Sle	ope (%): 0-5
Subregion (LRR/MLRA): LRR E, MLRA 44A	Lat:	47.38442	.7 L	ong: -114.097094	Datum	: NAD83
Soil Map Unit Name: Ronan silty clay loam, 2 to 4 p					ification: PEM1C	
Are climatic / hydrologic conditions on the site typica	al for this time o	f year?	Yes X	No (If no, ex	plain in Remarks.)	
Are Vegetation, Soil, or Hydrology		-	re "Normal C	 ·		
Are Vegetation , Soil , or Hydrology						
SUMMARY OF FINDINGS – Attach site i						atures, etc.
Hydrophytic Vegetation Present? Yes	No X	Is the	Sampled A	rea		
	No X		n a Wetland		No X	
Wetland Hydrology Present? Yes	No X				-	
VEGETATION – Use scientific names of	f plants.					
<u>Tree Stratum</u> (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test wo	rksheet:	
1	70 00001	ороско:	Otatus	Number of Dominant		
2.				Are OBL, FACW, or I	•	1 (A)
3. 4.				Total Number of Dom Across All Strata:	inant Species	2 (B)
		=Total Cover		Percent of Dominant	Species That	``
Sapling/Shrub Stratum (Plot size: 30' 1.)			Are OBL, FACW, or I	FAC:	50.0% (A/B)
2.				Prevalence Index w	orksheet:	
3				Total % Cover o	of: Multip	ly by:
4				· · ·	0 x1=	0
5		Tatal Causa		· · · · · · · · · · · · · · · · · · ·	0 x 2 =	0
Herb Stratum (Plot size: 30')		=Total Cover		· —	45 x 3 = 5 x 4 =	135 20
1. Bromus inermis	50	Yes	UPL		50 x 5 =	250
2. Poa pratensis	40	Yes	FAC		00 (A)	405 (B)
3. Dipsacus fullonum	5	No	FAC	Prevalence Index	= B/A = 4.0	`` '
4. Sisymbrium altissimum	5	No	FACU			
5				Hydrophytic Vegeta		
6					r Hydrophytic Vege	etation
7.				2 - Dominance T		
8.				3 - Prevalence In		
9.					Adaptations ¹ (Pro\ ks or on a separate	
10				5 - Wetland Non-	•	3 311001)
11	100	=Total Cover			rophytic Vegetation	า ¹ (Explain)
Woody Vine Stratum (Plot size: 30')	20.01		¹ Indicators of hydric s		
1.	_ · 			be present, unless di		
2.		=Total Cover		Hydrophytic Vegetation		
% Bare Ground in Herb Stratum				Present? Yes	No_>	<u>(</u>
Remarks:						

SOIL Sampling Point: UDP 53-24

Profile Des	cription: (Describe	to the depth	needed to docu	ıment tl	ne indica	tor or c	confirm the	absence c	of indicators.)
Depth	Matrix		Redo	x Featur	es				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Tex	ture	Remarks
0-5	10YR 3/3	100					Loamy/	Clayey	Roots present
5-16	10YR 4/2	100	_				Loamy/	Clayey	No redox
,									
-		· — —							
-		. — —							
							-		
¹ Type: C=C	oncentration, D=Dep	letion, RM=R	educed Matrix, C	S=Cove	ered or Co	ated S	and Grains.	² Loca	ation: PL=Pore Lining, M=Matrix.
Hydric Soil	Indicators: (Applica	able to all LR	Rs, unless othe	rwise n	oted.)			Indicator	s for Problematic Hydric Soils ³ :
Histosol	I (A1)		Sandy Gle	yed Mat	rix (S4)			2 cm	Muck (A10) (LRR A, E)
Histic E	pipedon (A2)		Sandy Red	dox (S5)				Iron-N	Manganese Masses (F12) (LRR D)
Black H	istic (A3)		Stripped M	latrix (S6	3)			Red F	Parent Material (F21)
Hydroge	en Sulfide (A4)		Loamy Mu	cky Mine	eral (F1) (except	MLRA 1)	Very	Shallow Dark Surface (F22)
1 cm Mu	uck (A9) (LRR D, G)		Loamy Gle	yed Ma	trix (F2)			Other	r (Explain in Remarks)
	d Below Dark Surfac	e (A11)	Depleted N	∕latrix (F	3)				
Thick D	ark Surface (A12)		Redox Dar		, ,				s of hydrophytic vegetation and
	Mucky Mineral (S1)		Depleted D		` '				nd hydrology must be present,
2.5 cm l	Mucky Peat or Peat (S2) (LRR G)	Redox Dep	oression	s (F8)			unles	s disturbed or problematic.
Restrictive	Layer (if observed):								
Type:			_						
Depth (i	nches):		_				Hydric So	oil Present	? Yes No X
Remarks:									
HYDROLO	OGY								
Wetland Hy	drology Indicators:								
Primary Indi	cators (minimum of o	one is required							y Indicators (2 or more required)
	Water (A1)		Water-Stai		, ,	(excep	t		r-Stained Leaves (B9) (MLRA 1, 2
	ater Table (A2)				and 4B)				A, and 4B)
Saturati			Salt Crust						age Patterns (B10)
	Marks (B1)		Aquatic Inv						Season Water Table (C2)
	nt Deposits (B2)		Hydrogen :		,		ooto (CC)		ration Visible on Aerial Imagery (C9)
	posits (B3)		Oxidized R			_	00IS (C3)		norphic Position (D2)
	at or Crust (B4) posits (B5)		Recent Iro		,	,	lo (C6)		ow Aquitard (D3)
	Soil Cracks (B6)		Stunted or				` '		Neutral Test (D5) ed Ant Mounds (D6) (LRR A)
	ion Visible on Aerial I	magery (R7)	Other (Exp			(D1) (L 1	IXIX A)		-Heave Hummocks (D7)
	y Vegetated Concave			nam m	torriarito)				Tiedve Fidilinieoko (B7)
Field Obser			,						
	ter Present? Ye	26	No x	Denth (i	nches):				
Water Table				Depth (i	· -				
Saturation P				Depth (i			Wetlan	d Hydroloc	gy Present? Yes No X
	pillary fringe)			. (′ –			_	<u> </u>
	ecorded Data (stream	gauge, moni	toring well, aeria	photos	, previous	inspec	tions), if ava	ailable:	
	<u> </u>								
Remarks:									

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Project/Site: Post Creek Hill - US 93		City/Cour	nty: Lake		Sampling Da	ate: <u>9-18-2024</u>
Applicant/Owner: MDT		<u> </u>		State: MT	Sampling Po	int: UDP 54-24
Investigator(s): B.Cline, F.Doty		Section, T	ownship, Ra	nge: S26 T19N R20W	<i>I</i>	
Landform (hillside, terrace, etc.): field		Local relief (co	oncave, conv	ex, none): convex		Slope (%): 0-5
Subregion (LRR/MLRA): LRR E, MLRA 44A	Lat:	47.38250)9 L	.ong: <u>-114.097057</u>	Datu	ım: NAD83
Soil Map Unit Name: Ronan silty clay loam, 2 to 4 pe	ercent slopes			NWI class	sification: None	
Are climatic / hydrologic conditions on the site typical	al for this time o	f year?	Yes X	No (If no, ex	φlain in Remark	s.)
Are Vegetation , Soil , or Hydrology	significantly	disturbed? A	re "Normal C	circumstances" present	? Yes X	No
Are Vegetation , Soil , or Hydrology						
SUMMARY OF FINDINGS – Attach site i	— map showir	ng samplin	g point lo	cations, transects	s, important f	features, etc.
Hydrophytic Vegetation Present? Yes	No X	Is the	Sampled A	rea		
	No X		n a Wetland		No X	
	No X					
Remarks:						
VEGETATION – Use scientific names of	f plants.					
<u>Tree Stratum</u> (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test wo	orkehoot:	
1.	70 OOVCI	Орсскоз:	Otatus	Number of Dominant		
2.				Are OBL, FACW, or	•	0 (A)
3.				Total Number of Don	ninant Species	
4				Across All Strata:	<u>-</u>	(B)
O and line of Observations and Office of Original Control Original Control of Original Control of Original Control of Original		=Total Cover		Percent of Dominant	•	0.00/ ///D
Sapling/Shrub Stratum (Plot size: 30' 1.	_)			Are OBL, FACW, or	FAC:	0.0% (A/B)
2.				Prevalence Index w	orksheet:	
3.				Total % Cover of	of: Mu	Itiply by:
4.				OBL species	0 x 1 =	0
5				FACW species	0 x 2 =	0
(5)		=Total Cover			10 x 3 = _	30
Herb Stratum (Plot size: 30') 1. Bromus inermis	75	Yes	UPL		10 x 4 = _ 75 x 5 =	40 375
Cirsium arvense	10	No	FAC		95 (A)	445 (B)
3. Lactuca serriola	10	No	FACU	Prevalence Index	· · · · ·	4.68
4.						
5.				Hydrophytic Vegeta	tion Indicators:	
6				1 - Rapid Test fo		egetation
7				2 - Dominance T		
8.				3 - Prevalence Ir 4 - Morphologica		rovido oupportina
9. 10.					rks or on a separ	
11.			 -	5 - Wetland Non		
	95	=Total Cover		Problematic Hyd		
Woody Vine Stratum (Plot size: 30')			¹ Indicators of hydric	soil and wetland	hydrology must
1				be present, unless di		
2				Hydrophytic		
% Bare Ground in Herb Stratum		=Total Cover		Vegetation Present? Yes	s No_	<u> </u>
Remarks:						

SOIL Sampling Point: UDP 54-24

Profile Des	cription: (Describe	to the depth	needed to docu	ıment tl	ne indica	tor or c	confirm the	absence c	of indicators.)
Depth	Matrix		Redo	x Featur	es				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Tex	ture	Remarks
0-6	10YR 3/3	100					Loamy/	Clayey_	Roots present
6-16	10YR 4/2	100	_				Loamy/	Clayey	No redox, compacted
,									· · · · · · · · · · · · · · · · · · ·
,									
,									
-							-		
		- — —							
1	. ,								
¹ Type: C=C	oncentration, D=Dep	letion, RM=R	educed Matrix, C	S=Cove	ered or Co	ated S	and Grains.	² Loca	ation: PL=Pore Lining, M=Matrix.
Hydric Soil	Indicators: (Applica	able to all LR	Rs, unless othe	rwise n	oted.)			Indicator	s for Problematic Hydric Soils ³ :
Histosol	I (A1)		Sandy Gle	yed Mat	rix (S4)			2 cm	Muck (A10) (LRR A, E)
Histic E	pipedon (A2)		Sandy Red	dox (S5)				Iron-N	Manganese Masses (F12) (LRR D)
Black H	istic (A3)		Stripped M	latrix (S6	3)			Red F	Parent Material (F21)
Hydroge	en Sulfide (A4)		Loamy Mu	cky Mine	eral (F1) (except	MLRA 1)	Very	Shallow Dark Surface (F22)
1 cm Mu	uck (A9) (LRR D, G)		Loamy Gle	yed Ma	trix (F2)			Other	r (Explain in Remarks)
Deplete	d Below Dark Surfac	e (A11)	Depleted N	∕latrix (F	3)				
Thick Da	ark Surface (A12)		Redox Dar	k Surfac	e (F6)			³ Indicator	s of hydrophytic vegetation and
Sandy N	Mucky Mineral (S1)		Depleted [oark Sur	face (F7)			wetla	nd hydrology must be present,
2.5 cm I	Mucky Peat or Peat (S2) (LRR G)	Redox Dep	oression	s (F8)			unles	s disturbed or problematic.
Restrictive	Layer (if observed):	i							
Type:			_						
Depth (i	nches):		_				Hydric So	oil Present	? Yes No X
Remarks:						•			
HYDROLO	OGY								
Wetland Hy	drology Indicators:								
_	cators (minimum of o		d; check all that a	apply)				Secondar	y Indicators (2 or more required)
Surface	Water (A1)		Water-Stai	ned Lea	ives (B9)	(excep	t	Wate	r-Stained Leaves (B9) (MLRA 1, 2
High Wa	ater Table (A2)		MLRA	1, 2, 4A,	and 4B)			<u> </u>	A, and 4B)
Saturati	on (A3)		Salt Crust	(B11)				Drain	age Patterns (B10)
Water M	/larks (B1)		Aquatic Inv	/ertebra	tes (B13)			Dry-S	Season Water Table (C2)
Sedime	nt Deposits (B2)		Hydrogen	Sulfide (Odor (C1)			Satur	ration Visible on Aerial Imagery (C9)
Drift De	posits (B3)		Oxidized R			_	oots (C3)	Geon	norphic Position (D2)
	at or Crust (B4)		Presence of		,	,		Shall	ow Aquitard (D3)
	posits (B5)		Recent Iro				` '		Neutral Test (D5)
-	Soil Cracks (B6)		Stunted or			(D1) (L l	RR A)		ed Ant Mounds (D6) (LRR A)
	ion Visible on Aerial I		Other (Exp	lain in F	Remarks)			Frost	-Heave Hummocks (D7)
Sparsely	y Vegetated Concave	e Surface (B8)						
Field Obser									
Surface Wat				Depth (i	· -				
Water Table				Depth (i			1		
Saturation P		es	No <u>x</u>	Depth (i	nches):		Wetlan	a Hydrolog	gy Present? Yes No X
	pillary fringe)		toring wall ===!-	l nhat	providence	inar	tions\ if =	nilohla:	
Describe Re	ecorded Data (stream	ı gauge, moni	toring well, aeria	priotos	, previous	ınspec	nioris), it ava	allable:	
Remarks:									
Aomains.									

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Project/Site: Post Creek Hill - US 93		City/Cour	nty: Lake		Sampling Date	e: <u>9-18-2024</u>
Applicant/Owner: MDT				State: MT	Sampling Poin	t: UDP 55-24
Investigator(s): B.Cline, F.Doty		Section, T	ownship, Rai	nge: S26 T19N R20W		
Landform (hillside, terrace, etc.): field		Local relief (co	oncave, conv	ex, none): convex	s	lope (%): 0-5
Subregion (LRR/MLRA): LRR E, MLRA 44A	Lat:	47.38110	00 L	ong: -114.097058	Datum	n: NAD83
Soil Map Unit Name: Ronan silty clay loam, 2 to 4 p	ercent slopes			NWI class	ification: None	
Are climatic / hydrologic conditions on the site typical	al for this time o	f year?	Yes X	No (If no, ex	plain in Remarks.)
Are Vegetation, Soil, or Hydrology	significantly	disturbed? A	re "Normal C	ircumstances" present	Yes X	No
Are Vegetation , Soil , or Hydrology						
SUMMARY OF FINDINGS – Attach site	— map showin	g samplin	g point lo	cations, transects	, important fe	atures, etc.
Hydrophytic Vegetation Present? Yes	No X	Is the	Sampled A	rea		
	No X		n a Wetland		No X	
	No X					
Remarks:						
VEGETATION – Use scientific names of						
Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test wo	rksheet:	
1				Number of Dominant	Species That	
2.				Are OBL, FACW, or I	•	0 (A)
3.				Total Number of Dom	inant Species	
4		=Total Cover		Across All Strata:	—	(B)
Sapling/Shrub Stratum (Plot size: 30')	- Total Covel		Percent of Dominant Are OBL, FACW, or I	•	0.0% (A/B)
1.	<u> </u>			- , - ,		
2.				Prevalence Index w		
3.				Total % Cover o		ply by:
4					0 x1=	0
5		=Total Cover		· ·	0 x 2 = 10 x 3 =	30
Herb Stratum (Plot size: 30')		- I Olai Covei			10 x 4 =	40
1. Bromus inermis	75	Yes	UPL		75 x 5 =	375
2. Cirsium arvense	10	No	FAC		95 (A)	445 (B)
3. Lactuca serriola	10	No	FACU	Prevalence Index	= B/A = 4	.68
4						
5.				Hydrophytic Vegeta		4 . 4!
6. 7.				2 - Dominance T	r Hydrophytic Veg	etation
				3 - Prevalence In		
9.					Adaptations ¹ (Pro	vide supporting
10.	_				ks or on a separa	
11.				5 - Wetland Non-	Vascular Plants ¹	
	95	=Total Cover		Problematic Hyd	rophytic Vegetatio	on ¹ (Explain)
Woody Vine Stratum (Plot size: 30')			¹ Indicators of hydric s be present, unless di		
2.				Hydrophytic		
% Bare Ground in Herb Stratum		=Total Cover		Vegetation	No	X
Remarks:						

SOIL Sampling Point: UDP 55-24

Profile Des	cription: (Describe	to the depth	needed to docu	ıment tl	ne indica	tor or c	confirm the	absence c	of indicators.)
Depth	Matrix		Redo	x Featur	es				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Text	ture	Remarks
0-6	10YR 3/3	100					Loamy/	Clayey_	Roots present
6-16	10YR 4/2	100	_				Loamy/	Clayey	No redox, compacted
,									·
,									
,									
-									
,		- — —							
1									
¹ Type: C=C	oncentration, D=Dep	letion, RM=R	educed Matrix, C	S=Cove	ered or Co	ated S	and Grains.	² Loca	ation: PL=Pore Lining, M=Matrix.
Hydric Soil	Indicators: (Applica	able to all LR	Rs, unless othe	rwise n	oted.)			Indicator	s for Problematic Hydric Soils ³ :
Histosol	(A1)		Sandy Gle	yed Mat	rix (S4)			2 cm	Muck (A10) (LRR A, E)
Histic E	pipedon (A2)		Sandy Red	dox (S5)				Iron-N	Manganese Masses (F12) (LRR D)
Black H	istic (A3)		Stripped M	latrix (S6	3)			Red F	Parent Material (F21)
Hydroge	en Sulfide (A4)		Loamy Mu	cky Mine	eral (F1) (except	MLRA 1)	Very	Shallow Dark Surface (F22)
1 cm Mu	uck (A9) (LRR D, G)		Loamy Gle	yed Ma	trix (F2)			Other	r (Explain in Remarks)
Deplete	d Below Dark Surfac	e (A11)	Depleted N	∕latrix (F	3)				
Thick Da	ark Surface (A12)		Redox Dar	k Surfac	e (F6)			³ Indicator	s of hydrophytic vegetation and
Sandy N	Mucky Mineral (S1)		Depleted [Oark Sur	face (F7)			wetla	nd hydrology must be present,
2.5 cm I	Mucky Peat or Peat (S2) (LRR G)	Redox Dep	oression	s (F8)			unles	s disturbed or problematic.
Restrictive	Layer (if observed):	i							
Type:			_						
Depth (i	nches):		_				Hydric So	oil Present	? Yes No X
Remarks:						•			
HYDROLO	OGY								
Wetland Hy	drology Indicators:								
_	cators (minimum of o		d; check all that a	apply)				Secondar	y Indicators (2 or more required)
Surface	Water (A1)		Water-Stai	ned Lea	ives (B9)	(excep	t	Wate	r-Stained Leaves (B9) (MLRA 1, 2
High Wa	ater Table (A2)		MLRA	1, 2, 4A,	and 4B)			<u> </u>	A, and 4B)
Saturati	on (A3)		Salt Crust	(B11)				Drain	age Patterns (B10)
Water M	larks (B1)		Aquatic Inv	/ertebra	tes (B13)			Dry-S	Season Water Table (C2)
Sedime	nt Deposits (B2)		Hydrogen	Sulfide (Odor (C1)			Satur	ration Visible on Aerial Imagery (C9)
Drift De	posits (B3)		Oxidized R			_	oots (C3)	Geon	norphic Position (D2)
	at or Crust (B4)		Presence of		,	,		Shall	ow Aquitard (D3)
	oosits (B5)		Recent Iro				` '		Neutral Test (D5)
-	Soil Cracks (B6)		Stunted or			(D1) (L l	RR A)		ed Ant Mounds (D6) (LRR A)
	on Visible on Aerial I		Other (Exp	lain in F	Remarks)			Frost	-Heave Hummocks (D7)
Sparsely	y Vegetated Concave	e Surface (B8)						
Field Obser									
Surface Wat					nches): _				
Water Table				Depth (i			ļ ,		
Saturation P		es	No <u>x</u>	Depth (i	nches):		Wetland	a Hydrolog	gy Present? Yes No X
	pillary fringe)		toring wall ===!-	l nhat	providence	inar	tions) if =:::	nilohla:	
Describe Re	corded Data (stream	i gauge, moni	toring well, aeria	pnotos	, previous	ınspec	uons), it ava	anable:	
Remarks:									
Aomains.									

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Project/Site: Post Creek Hill - US 93		City/Cour	nty: Lake		Sampling Date	e: <u>9-18-2024</u>
Applicant/Owner: MDT				State: MT	Sampling Poin	nt: UDP 56-24
Investigator(s): B.Cline, F.Doty		Section, T	ownship, Rar	nge: S25 T19N R20V	V	
Landform (hillside, terrace, etc.): field		Local relief (co	oncave, conv	ex, none): convex	s	Slope (%): 0-5
Subregion (LRR/MLRA): LRR E, MLRA 44A	Lat:	47.38196	57 L	ong: -114.096463	Datun	n: NAD83
Soil Map Unit Name: Ronan silty clay loam,0 to 2 pe	rcent slopes			NWI clas	sification: None	
Are climatic / hydrologic conditions on the site typical	I for this time o	f year?	Yes X	No (If no, e	xplain in Remarks.	.)
Are Vegetation, Soil, or Hydrology	significantly of	disturbed? A	re "Normal C	ircumstances" presen	t? Yes X	No
Are Vegetation, Soil, or Hydrology						
SUMMARY OF FINDINGS – Attach site n	_					eatures, etc.
Hydrophytic Vegetation Present? Yes	No X	Is the	Sampled A	rea		
	No X		n a Wetland?		No X	
Wetland Hydrology Present? Yes	No X					
Remarks: VEGETATION – Use scientific names of	plants.					
<u>Tree Stratum</u> (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test w	orkshoot:	
1	70 COVE	Opecies:	Status	Number of Dominan		
2.				Are OBL, FACW, or	•	1 (A)
3.				Total Number of Do	minant Species	2 (B)
4.		=Total Cover		Across All Strata:		(B)
Sapling/Shrub Stratum (Plot size: 30'	_)	rotal Gover		Percent of Dominan Are OBL, FACW, or	•	50.0% (A/B)
2.				Prevalence Index v	vorksheet:	
3.				Total % Cover	of: Multi	ply by:
4				OBL species	0 x 1 =	0
5				FACW species	0 x 2 =	0
Harb Charture (Distaine) 201		=Total Cover		FACULARIA SIGNA	40 x 3 =	120
Herb Stratum (Plot size: 30') 1. Poa pratensis	40	Yes	FAC	FACU species UPL species	15 x 4 = 25 x 5 =	60 125
Plantago patagonica	25	Yes	UPL	Column Totals:	80 (A)	305 (B)
3. Sisymbrium altissimum	15	No	FACU	Prevalence Index	`` ′	.81
4 5.				Hydrophytic Veget	ation Indicators:	
6.					or Hydrophytic Veg	etation
7.				2 - Dominance		•
8.				3 - Prevalence I	ndex is ≤3.0 ¹	
9.					al Adaptations ¹ (Pro	
10					rks or on a separa	te sheet)
11		-Tatal Cause			n-Vascular Plants ¹	1 (
Woody Vine Stratum (Plot size: 30'	80	=Total Cover			drophytic Vegetatio	
1	_' 			¹ Indicators of hydric be present, unless d		
2		=Total Cover		Hydrophytic Vegetation		
% Bare Ground in Herb Stratum				Present? Ye	s No	X
Remarks:						

SOIL Sampling Point: UDP 56-24

Profile Desc	cription: (Describ	e to the depth	needed to docu	ıment tl	ne indica	tor or c	confirm the	absence o	of indicators.)	
Depth	Matrix		Redo	x Featur	es					
(inches)	Color (moist)	<u> </u>	Color (moist)	%	Type ¹	Loc ²	Text	ture	Remarks	
0-5	10YR 4/3	100					Loamy/	Clayey	Roots present	
5-10	10YR 4/3	100					Loamy/	Clayey		_
10-16	10YR 5/2						Loamy/	Clayey	20% gravel, compacte	ed
								<u> </u>		
¹ Type: C=C	oncentration, D=De	epletion, RM=F	Reduced Matrix, C	S=Cove	ered or Co	ated S	and Grains.	² Loca	ation: PL=Pore Lining, M=Matr	ix.
Hydric Soil	Indicators: (Appli	cable to all Li	RRs, unless othe	rwise n	oted.)			Indicator	s for Problematic Hydric Soi	ls³:
Histosol	(A1)		Sandy Gle	yed Mat	rix (S4)			2 cm	Muck (A10) (LRR A, E)	
Histic E	oipedon (A2)		Sandy Red	dox (S5)				Iron-l	Manganese Masses (F12) (LR	R D)
Black Hi	istic (A3)		Stripped M	latrix (S	3)			Red I	Parent Material (F21)	
Hydroge	en Sulfide (A4)		Loamy Mu	cky Min	eral (F1) (except	MLRA 1)	Very	Shallow Dark Surface (F22)	
1 cm Mu	ıck (A9) (LRR D, G	i)	Loamy Gle	yed Ma	trix (F2)			Other	r (Explain in Remarks)	
	d Below Dark Surfa	ace (A11)	Depleted N	∕latrix (F	3)					
Thick Da	ark Surface (A12)		Redox Dar	k Surfac	e (F6)			³ Indicator	s of hydrophytic vegetation an	d
Sandy N	lucky Mineral (S1)		Depleted D		` '			wetla	nd hydrology must be present,	
2.5 cm M	Mucky Peat or Pea	t (S2) (LRR G)	Redox Dep	oression	s (F8)			unles	s disturbed or problematic.	
Restrictive	Layer (if observed	I):								
Type:			<u></u>							
Depth (ii	nches):		_				Hydric So	oil Present	? Yes	lo X
Remarks:										
HYDROLC)GY									
Wetland Hy	drology Indicators	s:								
Primary Indi	cators (minimum o	f one is require	ed; check all that a	apply)				Secondar	y Indicators (2 or more require	<u>:d)</u>
Surface	Water (A1)		Water-Stai	ned Lea	ives (B9)	(excep	t	Wate	r-Stained Leaves (B9) (MLRA	1, 2
High Wa	ater Table (A2)		MLRA	1, 2, 4A	and 4B)			4/	A, and 4B)	
Saturation	on (A3)		Salt Crust						age Patterns (B10)	
Water M	larks (B1)		Aquatic Inv	/ertebra	tes (B13)				Season Water Table (C2)	
	nt Deposits (B2)		Hydrogen		,				ration Visible on Aerial Imagery	/ (C9)
	posits (B3)		Oxidized R			-	oots (C3)		norphic Position (D2)	
	at or Crust (B4)		Presence of						ow Aquitard (D3)	
	posits (B5)		Recent Iro				` '		Neutral Test (D5)	
	Soil Cracks (B6)	l l (D.7)	Stunted or			(D1) (L I	RR A)		ed Ant Mounds (D6) (LRR A)	
	on Visible on Aeria			iain in F	(emarks			Frost	-Heave Hummocks (D7)	
	/ Vegetated Conca	ve Surrace (Bo	3)				1			
Field Obser		.,		D 11 11						
Surface Wat		Yes			nches):					
Water Table		Yes		Depth (i	_		Modles	ما المسلمينا	D	la V
Saturation P		Yes	No <u>x</u>	Depth (i	nches)		vveuan	α πγατοιοί	gy Present? Yes N	lo X
(includes cap Describe Re	corded Data (strea	m gauge mon	nitoring well aeria	l photos	previous	inspec	tions) if ava	ailable.		
D COOLING I (C	solucia Data (Stied	gaago, mon		. p.10103	, p. 5 v 10 u s	opcu	,, ii ave			
Remarks:										

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Project/Site: Post Creek Hill - US 93		City/Cou	nty: <u>Lake</u>		Sampling Dat	te: <u>9-18-2024</u>
Applicant/Owner: MDT				State: MT	Sampling Poi	nt: <u>UDP 57-24</u>
Investigator(s): B.Cline, F.Doty		Section, T	ownship, Rar	nge: S25 T19N R2	ow	
Landform (hillside, terrace, etc.): field		Local relief (co	oncave, conve	ex, none): convex		Slope (%): <u>0-5</u>
Subregion (LRR/MLRA): LRR E, MLRA 44A	Lat:	47.38364	ŀ8 L	ong: <u>-114.096400</u>	Datuı	m: <u>NAD83</u>
Soil Map Unit Name: Ronan silty clay loam, 2 to 4 pe	ercent slopes				assification: None	
Are climatic / hydrologic conditions on the site typical	for this time of	of year?	Yes X	No (If no,	, explain in Remarks	 i.)
Are Vegetation, Soil, or Hydrology	significantly			· 	ent? Yes X	
Are Vegetation , Soil , or Hydrology	_		If needed, exp	olain any answers in	Remarks.)	
SUMMARY OF FINDINGS – Attach site n	– nap showir	ng sampling	g point loc	ations, transec	ts, important fe	eatures, etc.
Lhydranhytia Vagatatian Dragant? Vag	No V	lo the	Compled A			
	No <u>X</u> No		e Sampled Ar n a Wetland?		No_X_	
	No X					
Remarks:						
Irrigated field - hydric soil present but no hydrophytic	c vegetation or	hydrology.				
VECETATION . Use esigntific names of	nlanta					
VEGETATION – Use scientific names of	Absolute	Dominant	Indicator			
Tree Stratum (Plot size: 30')	% Cover	Species?	Status	Dominance Test	worksheet:	
1				Number of Domina	ant Species That	
2.				Are OBL, FACW,	or FAC:	1(A)
3.				Total Number of D	ominant Species	0 (D)
4		=Total Cover		Across All Strata:		(B)
Sapling/Shrub Stratum (Plot size: 30')	- Total Gover		Percent of Domina Are OBL, FACW,	•	33.3% (A/B)
1.	_′			, 5 5 2 2, 5 ,	_	(742)
2.				Prevalence Index	worksheet:	
3.	_			Total % Cove	er of: Mult	tiply by:
4	_			OBL species	x 1 =	0
5	_			FACW species		0
Herb Stratum (Plot size: 30')		=Total Cover		FAC species FACU species	35 x 3 = 35 x 4 =	105 140
1. Poa pratensis	15	No	FAC	UPL species	30 x 5 =	150
Trifolium pratense	20	Yes	FACU	Column Totals:	100 (A)	395 (B)
3. Plantago patagonica	30	Yes	UPL	Prevalence Ind		3.95
4. Elymus trachycaulus	20	Yes	FAC			
5. Dianthus armeria	15	No	FACU		etation Indicators:	
6.	_				t for Hydrophytic Ve	getation
7. 8.	_				e Test is >50% e Index is ≤3.0 ¹	
	_				e muex is ≤3.0 ical Adaptations¹(Pro	ovido supportina
10	_				narks or on a separa	
11.					lon-Vascular Plants ¹	
	100	=Total Cover			lydrophytic Vegetati	
Woody Vine Stratum (Plot size: 30')				ric soil and wetland h	
1	_			be present, unless	s disturbed or proble	matic.
2		-Taks! O		Hydrophytic		
% Bare Ground in Herb Stratum		=Total Cover		Vegetation Present?	Yes No_	X
Remarks:				•		

SOIL Sampling Point: UDP 57-24

Profile Desc Depth	ription: (Describe t Matrix	o the dept		i <mark>ment tl</mark> k Featur		tor or o	confirm the absence o	of indicators.)
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-2	10YR 3/3	100	, ,				Loamy/Clayey	Roots present
2-5	7.5YR 4/2	100					Loamy/Clayey	no redox
5-16	7.5YR 4/2	96	7.5YR 4/6	4		M	Loamy/Clayey	Prominent redox concentrations
<u> </u>	7.511\4/2	30	7.511(4/0			IVI	Loamy/Glayey	1 TOTHINGTIC TEGOX COTICETICATIONS
¹ Type: C=Co	ncentration, D=Depl	etion RM-	Paducad Matrix C	S=Cove	ered or Co	nated S	and Grains ² l oca	tion: PL=Pore Lining, M=Matrix.
	ndicators: (Applica					oaleu 3		s for Problematic Hydric Soils ³ :
Histosol (5.0 to a 2	Sandy Gley					Muck (A10) (LRR A, E)
	ipedon (A2)		Sandy Red					Manganese Masses (F12) (LRR D)
Black His			Stripped M					Parent Material (F21)
	n Sulfide (A4)		Loamy Mu		-	(except		Shallow Dark Surface (F22)
1 cm Mud	ck (A9) (LRR D, G)		Loamy Gle					(Explain in Remarks)
Depleted	Below Dark Surface	(A11)	X Depleted M					
Thick Da	rk Surface (A12)		Redox Dar	k Surfac	e (F6)		³ Indicators	s of hydrophytic vegetation and
Sandy M	ucky Mineral (S1)		Depleted D	ark Sur	face (F7))	wetla	nd hydrology must be present,
2.5 cm M	lucky Peat or Peat (S	62) (LRR G)Redox Dep	ression	s (F8)		unles	s disturbed or problematic.
Restrictive L	.ayer (if observed):							
Туре:								
Depth (in	ches):						Hydric Soil Present	? Yes X No
Remarks:								
HYDROLO	GY							
Wetland Hyd	Irology Indicators:							
_	ators (minimum of o	ne is require	ed; check all that a	apply)			Secondar	y Indicators (2 or more required)
Surface \	Vater (A1)		Water-Stai	ned Lea	ives (B9)	(excep	tWate	r-Stained Leaves (B9) (MLRA 1, 2
High Wat	ter Table (A2)		MLRA 1	I, 2, 4A,	and 4B))		A, and 4B)
Saturatio	• •		Salt Crust	. ,				age Patterns (B10)
Water Ma			Aquatic Inv					season Water Table (C2)
	t Deposits (B2)		Hydrogen S					ation Visible on Aerial Imagery (C9)
	osits (B3)		Oxidized R			•	` ' —	norphic Position (D2)
	t or Crust (B4)		Presence of		,	,		ow Aquitard (D3)
	osits (B5)		Recent Iron					Neutral Test (D5)
	Soil Cracks (B6) In Visible on Aerial Ir	naganı (D7	Stunted or Other (Exp			` ' '	, <u> </u>	ed Ant Mounds (D6) (LRR A) -Heave Hummocks (D7)
	Vegetated Concave	0 , (/ <u> </u>	iaiii iii N	(emarks)		F1051-	-neave numinocks (D1)
		Odriace (D	<u> </u>				1	
Field Observ Surface Wate		e	No v	Denth (i	nches):			
Water Table					nches):			
Saturation Pr					nches):		Wetland Hydrolog	gy Present? Yes No X
(includes cap				-opui (i	oo		Troducia riyarolog	,,
	corded Data (stream	gauge, moi	nitoring well. aerial	photos	, previous	s inspec	tions), if available:	
	(2.1.25111	J J-,oi	J, us.idi	,	, ,	- 12 00	,,	
Remarks:								

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Project/Site: Post Creek Hill - US 93		City/Cou	nty: Lake		Sampling Date:	9-18-2024
Applicant/Owner: MDT			'-	State: MT	Sampling Point:	UDP 58-24
Investigator(s): B.Cline, F.Doty		Section, T	ownship, Ra	nge: S24 T19N R20W		•
Landform (hillside, terrace, etc.): roadside		Local relief (co	oncave, conv	ex, none): convex	Slop	pe (%): 0-5
Subregion (LRR/MLRA): LRR E, MLRA 44A	Lat:	47.38702	21 I	ong: -114.096570	<u>.</u>	NAD83
Soil Map Unit Name: Ronan silty clay loam, 2 to 4 per					fication: PEM1C	
Are climatic / hydrologic conditions on the site typical f	or this time o	of year?	Yes X	No (If no, exp	olain in Remarks.)	
Are Vegetation, Soil, or Hydrology	significantly			Circumstances" present?		0
Are Vegetation, Soil, or Hydrology				plain any answers in Rer		
SUMMARY OF FINDINGS – Attach site m			g point lo	cations, transects,	important feat	ures, etc.
Hydrophytic Vegetation Present? Yes N	o X	le the	Sampled A	roa		
	o X		n a Wetland		No X	
Wetland Hydrology Present? Yes N	o X					
Remarks:		•				
VEGETATION – Use scientific names of բ	lants					
	Absolute	Dominant	Indicator			
Tree Stratum (Plot size: 30')	% Cover	Species?	Status	Dominance Test wor	rksheet:	
1. Picea pungens	15	Yes	FAC	Number of Dominant	•	0 (4)
Pinus ponderosa 3.	10	Yes	FACU	Are OBL, FACW, or F		3 (A)
4.	-			Total Number of Dom Across All Strata:	inant Species	8 (B)
T	25	=Total Cover		Percent of Dominant S	Species That	<u> </u>
Sapling/Shrub Stratum (Plot size: 30')			Are OBL, FACW, or F	•	7.5% (A/B)
Symphoricarpos albus	15	Yes	FACU			
2. Rosa woodsii	15	Yes	FACU	Prevalence Index wo	orksheet:	
3. Prunus virginiana	10	Yes	FACU	Total % Cover of	f: Multiply	/ by:
4				· · ·) x 1 =	0
5	40	-Tatal Cause			x 2 =	0
Herb Stratum (Plot size: 30')	40	=Total Cover		· —		105 200
1. Dipsacus fullonum	12	Yes	FAC		0 x5=	50
Centaurea stoebe	10	Yes	UPL			355 (B)
3. Elymus trachycaulus	8	Yes	FAC	Prevalence Index		
4.						
5				Hydrophytic Vegetat		
6.		·			Hydrophytic Veget	ation
7. 8.	-	· 		2 - Dominance Te		
9.		· 			dex is ≤3.0 Adaptations¹(Provid	de supportina
10					s or on a separate	
11.				5 - Wetland Non-\	Vascular Plants ¹	
	30	=Total Cover		Problematic Hydro	ophytic Vegetation ¹	(Explain)
Woody Vine Stratum (Plot size: 30')	•		¹ Indicators of hydric se		
1				be present, unless dis	turbed or problema	tic.
2		=Total Ones		Hydrophytic		
% Bare Ground in Herb Stratum	-	=Total Cover		Vegetation Present? Yes	No X	
Remarks:						

SOIL Sampling Point: UDP 58-24

Profile Desc Depth	cription: (Describe to Matrix	to the dept		ment th Featur		tor or o	confirm the	absence of ind	licators.)	
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Tex	ture	Remarks	
0-5	2.5Y 3/2	100	, , , ,				Loamy	/Clayey	Roots prese	nt
5-16	2.5Y 3/2	100					Loamy		'	
0 10	2.01 0/2	100					Louiny	Clayey		
	·									
			_							
¹ Type: C=C	oncentration, D=Depl	etion, RM=l	Reduced Matrix, C	S=Cove	red or C	oated S	and Grains.	² Location:	PL=Pore Lining, M=	=Matrix.
Hydric Soil	Indicators: (Applica	ble to all L	RRs, unless other	rwise n	oted.)			Indicators for	Problematic Hydri	c Soils³:
Histosol	(A1)		Sandy Gley	ed Mat	rix (S4)			2 cm Mucl	(A10) (LRR A, E)	
Histic Ep	pipedon (A2)		Sandy Red	ox (S5)				Iron-Mang	anese Masses (F12)) (LRR D)
Black Hi	` '		Stripped Ma	,	,				nt Material (F21)	
	n Sulfide (A4)		Loamy Mud	•	, ,	(except	MLRA 1)		ow Dark Surface (F2	22)
	ıck (A9) (LRR D, G)		Loamy Gle					Other (Exp	olain in Remarks)	
	d Below Dark Surface	e (A11)	Depleted M	`	,			3		
	ark Surface (A12)		Redox Dark						nydrophytic vegetation	
	lucky Mineral (S1)		Depleted D)		-	drology must be pre	
	Mucky Peat or Peat (S	52) (LRR G)Redox Dep	ression	s (F8)			unless dis	turbed or problemati	C.
	Layer (if observed):									
Type:	I N		<u> </u>				Unadala O	-!!	V	N. V
Depth (ii	ncnes):						Hydric S	oil Present?	Yes	NoX
Remarks:										
HYDROLO	GY									
Wetland Hy	drology Indicators:									
Primary Indi	cators (minimum of o	ne is require	ed; check all that a	pply)				Secondary Ind	icators (2 or more re	equired)
Surface	Water (A1)		Water-Stair	ned Lea	ves (B9)	(excep	t	Water-Sta	ined Leaves (B9) (M	LRA 1, 2
High Wa	iter Table (A2)		MLRA 1	, 2, 4A,	and 4B))		4A, and	d 4B)	
Saturation	on (A3)		Salt Crust (B11)				Drainage F	Patterns (B10)	
	larks (B1)		Aquatic Inv					Dry-Seaso	n Water Table (C2)	
	nt Deposits (B2)		Hydrogen S					Saturation	Visible on Aerial Im	agery (C9)
	oosits (B3)		Oxidized R			_	oots (C3)		ic Position (D2)	
	at or Crust (B4)		Presence o			,			quitard (D3)	
	osits (B5)		Recent Iron						ral Test (D5)	
	Soil Cracks (B6)	(D.=)	Stunted or				RR A)		t Mounds (D6) (LRR	(A)
	on Visible on Aerial Ir		/ <u> </u>	ain in R	(emarks			Frost-Heav	ve Hummocks (D7)	
	Vegetated Concave	Suпасе (B	8)							
Field Obser										
Surface Wat		s			nches): _					
Water Table		s			nches): _		\A/a4!=	al Lluduala ···· P		Na V
Saturation P		s	No <u>x</u>	Jeptn (I	nches):		wetian	a Hyarology Pr	esent? Yes	No X
(includes ca		401140 mai	nitoring well seriel	nhotos	provise	o inono	tions) if and	ailabla:		
Describe Re	corded Data (stream	yauge, moi	moning wen, aeriai	priotos,	previous	sinspec	nons), II ava	aliabie.		
Remarks:										

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Project/Site: Post Creek Hill - US 93		City/Cou	nty: Lake			Sampling Date	e: <u>9-18-2024</u>
Applicant/Owner: MDT				State:	MT	Sampling Poin	t: <u>UDP 59-24</u>
Investigator(s): B.Cline, F.Doty		Section, T	ownship, Ran	ge: S24 T19N	√ R20W		•
Landform (hillside, terrace, etc.): riparian		 Local relief (co	oncave, conve	ex, none): cor	nvex	S	lope (%): 0-5
Subregion (LRR/MLRA): LRR E, MLRA 44A	Lat:	47.39473	37 L	ong: -114.095	957	Datur	n: NAD83
Soil Map Unit Name: Lamoose loam, 0 to 2 percent s						cation: PEM1C	
Are climatic / hydrologic conditions on the site typical	for this time o	f vear?	Yes X	No (If no. expla	ain in Remarks.)
Are Vegetation , Soil , or Hydrology				rcumstances" p			, No
Are Vegetation , Soil , or Hydrology				lain any answe			
SUMMARY OF FINDINGS – Attach site m	_			-		•	atures. etc.
				<u> </u>			
	No <u>X</u> No <u>X</u>		e Sampled Are n a Wetland?		25	No X	
	No X	***************************************	ii u Wollana.			<u> </u>	
Remarks:		<u> </u>					
Significant topo and vegetation change in this area -	almost looks	like a historic b	perm				
VEGETATION – Use scientific names of	nlante						
VEGETATION – Use scientific flames of	Absolute	Dominant	Indicator				
Tree Stratum (Plot size: 30')	% Cover	Species?	Status	Dominance 7	Test work	sheet:	
1				Number of Do			
2.				Are OBL, FA	CW, or FA	C:	2 (A)
3				Total Number		ant Species	5 (D)
4		=Total Cover		Across All St		·	(B)
Sapling/Shrub Stratum (Plot size: 30'	,——	- I Olai Covei		Percent of Do Are OBL, FA			40.0% (A/B)
1. Symphoricarpos albus	_	Yes	FACU	7110 OBE, 1710	500, 01 170		<u>+0.070</u> (70B)
2. Rosa woodsii	15	Yes	FACU	Prevalence I	ndex wor	ksheet:	
3. Rubus idaeus	10	Yes	FACU	Total %	Cover of:	Multi	ply by:
4.				OBL species	25	x 1 =	25
5				FACW specie	es 0	x 2 =	0
	45	=Total Cover		FAC species	50	x 3 =	150
Herb Stratum (Plot size: 30')				FACU specie			180
1. Carex nebrascensis	20	Yes	OBL	UPL species		x 5 =	0(D)
2. Verbena hastata		No No	FAC	Column Total			355 (B)
Sium suave Cirsium arvense	- <u>5</u> 40	No Yes	OBL FAC	Prevalenc	e index =	B/A =2.	.96
5.	40	162	-FAC	Hydronhytic	Vegetatio	n Indicators:	
-					_	lydrophytic Veg	etation
7					nance Test		Ctation
8.					lence Inde		
9.						daptations ¹ (Pro	vide supporting
10						or on a separat	
11.				5 - Wetla	nd Non-Va	ascular Plants ¹	
	75	=Total Cover		Problema	atic Hydrop	ohytic Vegetatio	n¹ (Explain)
Woody Vine Stratum (Plot size: 30'	_)					l and wetland h	
1.				be present, u	nless distu	irbed or problen	natic.
2				Hydrophytic			
% Bare Ground in Herb Stratum		=Total Cover		Vegetation	Vec	Ala.	v
				Present?	Yes_	No	<u>^</u>
Remarks:							

SOIL Sampling Point: UDP 59-24

Profile Desc Depth	cription: (Describe to Matrix	to the dept		ment th Featur		tor or o	confirm the	absence of inc	dicators.)	
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Tex	ture	Remarks	;
0-4	10YR 3/2	100			<u> </u>		Loamy	/Clavev	Roots pres	ent
4-16	10YR 3/2	100					Loamy		'	
- 10	10111 0/2	100					Louiny	Clayey		
	·									
¹ Type: C=C	oncentration, D=Depl	etion, RM=	Reduced Matrix, C	S=Cove	red or C	oated S	and Grains.	² Location:	PL=Pore Lining, M	l=Matrix.
Hydric Soil	Indicators: (Applica	ble to all L	RRs, unless other	rwise n	oted.)			Indicators for	Problematic Hydr	ic Soils³:
Histosol	(A1)		Sandy Gley	ed Matı	rix (S4)			2 cm Muc	k (A10) (LRR A, E)	
Histic Ep	pipedon (A2)		Sandy Red	ox (S5)				Iron-Mang	anese Masses (F12	2) (LRR D)
Black Hi	` '		Stripped Ma	,	,				nt Material (F21)	
	n Sulfide (A4)		Loamy Mud	-		(except	MLRA 1)		low Dark Surface (F	22)
	ıck (A9) (LRR D, G)		Loamy Gle					Other (Exp	plain in Remarks)	
	d Below Dark Surface	e (A11)	Depleted M	,	,			3		
	ark Surface (A12)		Redox Dark						hydrophytic vegetat	
	lucky Mineral (S1)		Depleted D)		-	ydrology must be pr	
	Mucky Peat or Peat (S	52) (LRR G)Redox Dep	ressions	s (F8)			unless dis	turbed or problema	lic.
	Layer (if observed):									
Type:	I N		_				Unadala O	-!! D 40	V	N. V
Depth (ii	ncnes):						Hydric S	oil Present?	Yes	NoX
Remarks:										
HYDROLO	GY									
Wetland Hy	drology Indicators:									
Primary Indi	cators (minimum of o	ne is requir	ed; check all that a	pply)				Secondary Inc	<u>licators (</u> 2 or more r	equired)
Surface	Water (A1)		Water-Stair	ned Lea	ves (B9)	(excep	t	Water-Sta	ined Leaves (B9) (MLRA 1, 2
High Wa	iter Table (A2)		MLRA 1	, 2, 4A,	and 4B))		4A, an	d 4B)	
Saturation	` '		Salt Crust (B11)					Patterns (B10)	
	larks (B1)		Aquatic Inv					Dry-Seaso	on Water Table (C2)
	nt Deposits (B2)		Hydrogen S						Visible on Aerial In	nagery (C9)
	posits (B3)		Oxidized R			_	oots (C3)		nic Position (D2)	
	at or Crust (B4)		Presence o			,	(00)		quitard (D3)	
	osits (B5)		Recent Iron						ral Test (D5)	- 4\
	Soil Cracks (B6)		Stunted or				RR A)		nt Mounds (D6) (LR	•
	on Visible on Aerial Ir	0 , (<i>'</i> ` '	ain in K	(emarks			Frost-Hea	ve Hummocks (D7)	
		Surface (b	0)				1			
Field Obser			Ma	D 41- /:						
Surface Wat		s			nches): _					
Water Table Saturation P		s			nches): _		Wetler	d Hydrology D	recent? Vec	No V
		°	No <u>x</u>	zehni (i	nches):		vveudii	a nyarology Pr	resent? Yes	No_X_
(includes ca	corded Data (stream	dalide mo	nitoring well serial	nhotos	nrevious	s inener	tions) if ave	ailahle [.]		
Describe Ke	corded Data (Stredill	gauge, IIIU	intolling well, aellal	ριισισο,	Previous	s mopet	nons, n ave	апаріс.		
Remarks:										

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Project/Site: Post Creek Hill - US 93		City/Cou	nty: Lake		Samp	oling Date:	9-18-2024
Applicant/Owner: MDT				State: MT	Samp	ling Point:	UDP 60-24
Investigator(s): B.Cline, F.Doty		Section, T	ownship, Ran	ge: S24 T19N R2	:0W		
Landform (hillside, terrace, etc.): riparian		 Local relief (co	oncave, conve	ex, none): convex		Slop	pe (%): 0-5
Subregion (LRR/MLRA): LRR E, MLRA 44A				ong: -114.094382			NAD83
Soil Map Unit Name: Lamoose loam, 0 to 2 percent s					assification:	PEM1C	
Are climatic / hydrologic conditions on the site typical	for this time o	f year?	Yes X	No (If no	, explain in F	Remarks.)	
Are Vegetation, Soil, or Hydrology		-		ircumstances" prese			0
Are Vegetation, Soil, or Hydrology				olain any answers in			
SUMMARY OF FINDINGS – Attach site m	="		g point loc	ations, transec	ts, impor	tant feat	ures, etc.
Hydrophytic Vogototica Propert2 Voc N	lo V	lo the	Sampled Ar	•			
	10 X 10 X		e Sampled Ar n a Wetland?		No	X	
Wetland Hydrology Present? Yes N	No X						
Remarks:							
Significant topo and vegetation change in this area -	almost looks l	ike a historic t	perm				
VEGETATION – Use scientific names of	nlante						
VEGETATION - Use scientific fiames of	Absolute	Dominant	Indicator				
Tree Stratum (Plot size: 30')	% Cover	Species?	Status	Dominance Test	worksheet:		
1				Number of Domin		That	
2.				Are OBL, FACW,			2 (A)
3.				Total Number of I Across All Strata:		ecies	5 (B)
4.	-	=Total Cover		Percent of Domin		That	<u>5</u> (B)
Sapling/Shrub Stratum (Plot size: 30')			Are OBL, FACW,			0.0% (A/B)
Symphoricarpos albus	20	Yes	FACU				
2. Rosa woodsii	15	Yes	FACU	Prevalence Inde			
3. Rubus idaeus	10	Yes	FACU	Total % Cov		Multiply	
4				OBL species		x1 =	<u>25</u> 0
5	45	=Total Cover		FACW species FAC species			150
Herb Stratum (Plot size: 30')		rotal covol		FACU species			180
1. Carex nebrascensis	20	Yes	OBL	UPL species	0	x 5 =	0
2. Verbena hastata	10	No	FAC	Column Totals:	120 (<i>F</i>	١) (١	355 (B)
3. Sium suave	5	No	OBL	Prevalence Inc	dex = B/A =	2.96	3
4. Cirsium arvense	40	Yes	<u>FAC</u>	Harden a badin Man	-4-4! !!!	4	
5.				Hydrophytic Veg 1 - Rapid Tes			ation
6. 7.				2 - Dominano			alion
8.				3 - Prevalenc			
9.				4 - Morpholog	ical Adaptati	ions¹(Provid	de supportinç
10				data in Rer	marks or on a	a separate	sheet)
11				5 - Wetland N			
Wasdin Vine Charles (District)		=Total Cover		Problematic I	• . •	•	
Woody Vine Stratum (Plot size: 30' 1.	_)			¹ Indicators of hyd be present, unless			
1. 2.				•	- dictarbed to	. problema	
		=Total Cover		Hydrophytic Vegetation			
% Bare Ground in Herb Stratum				•	Yes	No X	_
Remarks:							

SOIL Sampling Point: UDP 60-24

Profile Desc Depth	cription: (Describe to Matrix	to the dept		ment th Featur		tor or o	confirm the	absence of inc	dicators.)	
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Tex	ture	Remarks	;
0-4	10YR 3/2	100			<u> </u>		Loamy	/Clavev	Roots pres	ent
4-16	10YR 3/2	100					Loamy		'	
- 10	10111 0/2	100					Louiny	Clayey		
	·									
¹ Type: C=C	oncentration, D=Depl	etion, RM=	Reduced Matrix, C	S=Cove	red or C	oated S	and Grains.	² Location:	PL=Pore Lining, M	l=Matrix.
Hydric Soil	Indicators: (Applica	ble to all L	RRs, unless other	rwise n	oted.)			Indicators for	Problematic Hydr	ic Soils³:
Histosol	(A1)		Sandy Gley	ed Matı	rix (S4)			2 cm Muc	k (A10) (LRR A, E)	
Histic Ep	pipedon (A2)		Sandy Red	ox (S5)				Iron-Mang	anese Masses (F12	2) (LRR D)
Black Hi	` '		Stripped Ma	,	,				nt Material (F21)	
	n Sulfide (A4)		Loamy Mud	-		(except	MLRA 1)		low Dark Surface (F	22)
	ıck (A9) (LRR D, G)		Loamy Gle					Other (Exp	plain in Remarks)	
	d Below Dark Surface	e (A11)	Depleted M	,	,			3		
	ark Surface (A12)		Redox Dark						hydrophytic vegetat	
	lucky Mineral (S1)		Depleted D)		-	ydrology must be pr	
	Mucky Peat or Peat (S	52) (LRR G)Redox Dep	ressions	s (F8)			unless dis	turbed or problema	lic.
	Layer (if observed):									
Type:	I N		_				Unadala O	-!! D 40	V	N. V
Depth (ii	ncnes):						Hydric S	oil Present?	Yes	NoX
Remarks:										
HYDROLO	GY									
Wetland Hy	drology Indicators:									
Primary Indi	cators (minimum of o	ne is requir	ed; check all that a	pply)				Secondary Inc	<u>licators (</u> 2 or more r	equired)
Surface	Water (A1)		Water-Stair	ned Lea	ves (B9)	(excep	t	Water-Sta	ined Leaves (B9) (MLRA 1, 2
High Wa	iter Table (A2)		MLRA 1	, 2, 4A,	and 4B))		4A, an	d 4B)	
Saturation	` '		Salt Crust (B11)					Patterns (B10)	
	larks (B1)		Aquatic Inv					Dry-Seaso	on Water Table (C2)
	nt Deposits (B2)		Hydrogen S						Visible on Aerial In	nagery (C9)
	posits (B3)		Oxidized R			_	oots (C3)		nic Position (D2)	
	at or Crust (B4)		Presence o			,	(00)		quitard (D3)	
	osits (B5)		Recent Iron						ral Test (D5)	- 4\
	Soil Cracks (B6)		Stunted or				RR A)		nt Mounds (D6) (LR	•
	on Visible on Aerial Ir	0 , (<i>'</i> ` '	ain in K	(emarks			Frost-Hea	ve Hummocks (D7)	
		Surface (b	0)				1			
Field Obser			N	D 41- /:						
Surface Wat		s			nches): _					
Water Table Saturation P		s			nches): _		Wetler	d Hydrology D	recent? Vec	No V
		°	No <u>x</u>	zehni (i	nches):		vveudii	a nyarology Pr	resent? Yes	No_X_
(includes ca	corded Data (stream	dalide mo	nitoring well serial	nhotos	nrevious	s inener	tions) if ave	ailahle [.]		
Describe Ke	corded Data (Stredill	gauge, IIIU	intolling well, aellal	ριισισο,	Previous	s mopet	nons, n ave	апаріс.		
Remarks:										

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Project/Site: Post Creek Hill - US 93		City/County: Lake Sampling Date: 9-1						
Applicant/Owner: MDT				State: MT	Sampling Point:	WDP-1-24(1)		
Investigator(s): B.Cline, F.Doty		Section, T	ownship, Ra	nge: S13 T19N R20W				
Landform (hillside, terrace, etc.): roadside ditch		Local relief (co	oncave, conv	ex, none): concave	Slo	pe (%): <u>0-5</u>		
Subregion (LRR/MLRA): LRR E, MLRA 44A	Lat:	47.40281	<u>0</u> I	ong: <u>-114.096347</u>	Datum:	NAD83		
Soil Map Unit Name: Post silty clay loam, 2 to 4 perce	ent slopes			NWI classi	fication: None			
Are climatic / hydrologic conditions on the site typical to	for this time o	f year?	Yes X	No (If no, exp	olain in Remarks.)			
Are Vegetation, Soil, or Hydrology	significantly	disturbed? A	re "Normal C	circumstances" present?	Yes X N	0		
Are Vegetation, Soil, or Hydrology	naturally prol	olematic? (I	f needed, ex	plain any answers in Rer	narks.)			
SUMMARY OF FINDINGS – Attach site m	ap showir	ıg samplinç	g point lo	cations, transects,	important feat	ures, etc.		
Hydrophytic Vegetation Present? Yes X N	lo	Is the	Sampled A	rea				
	lo		n a Wetland		No			
	lo							
Remarks:								
VEGETATION – Use scientific names of p	alanta							
VEGETATION - OSE SCIENTIFIC HARRIES OF	Absolute	Dominant	Indicator					
Tree Stratum (Plot size: 30')	% Cover	Species?	Status	Dominance Test wor	ksheet:			
1				Number of Dominant	•			
2.				Are OBL, FACW, or F		2 (A)		
3	<u> </u>			Total Number of Dom Across All Strata:	inant Species	2 (B)		
T	·	=Total Cover		Percent of Dominant	Snecies That	<u>(D)</u>		
Sapling/Shrub Stratum (Plot size: 30')			Are OBL, FACW, or F	•	00.0% (A/B)		
1								
2.				Prevalence Index wo				
3				Total % Cover of OBL species 8	f: Multiply 5 x 1 =	y by: 85		
5.					x2=	0		
		=Total Cover			3 x 3 =	24		
Herb Stratum (Plot size: 30')				FACU species (x 4 =	0		
1. Carex nebrascensis	40	Yes	OBL		x 5 =	0		
Eleocharis palustris Barbarea vulgaris	<u>45</u> 8	Yes No	OBL			109 (B)		
4.		INO	FAC	Prevalence Index	– D/A – 1.1	<u>'</u>		
5.				Hydrophytic Vegetat	ion Indicators:			
6.				1 - Rapid Test for	Hydrophytic Veget	ation		
7				X 2 - Dominance Te				
8.				X 3 - Prevalence Inc				
9.					Adaptations ¹ (Provi s or on a separate			
10 11.				5 - Wetland Non-		,		
	93	=Total Cover			ophytic Vegetation	^l (Explain)		
Woody Vine Stratum (Plot size: 30')			¹ Indicators of hydric s				
1.				be present, unless dis	turbed or problema	itic.		
2		-Total Cavar		Hydrophytic				
% Bare Ground in Herb Stratum		=Total Cover		Vegetation Present? Yes	X No			
Remarks:				100				
nomana.								

SOIL Sampling Point: WDP-1-24(1)

Profile Desc Depth	ription: (Describe : Matrix	to the depti		ı ment th x Featur		ator or c	onfirm the	absence o	f indicators.)	
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Text	ure		Remarks	
0-8	10YR 4/1	100	,				Loamy/		roots p	resent; 20% g	ravels
8-16	10YR 7/1	50					Loamy/			lox, 50% 7.5YI	_
0-10	10118 7/1						Loanly	Clayey	110 160	IUX, JU /0 7.JTI	\ 3/3
							-				
							-				
							_				
¹Type: C=Co	ncentration, D=Depl	letion, RM=	Reduced Matrix, C	S=Cove	red or C	oated S	and Grains.	² Loca	tion: PL=Por	e Lining, M=M	atrix.
Hydric Soil I	ndicators: (Applica	ble to all L	RRs, unless othe	rwise n	oted.)			Indicator	s for Probler	natic Hydric S	Soils ³ :
Histosol ((A1)		Sandy Gle	yed Matı	rix (S4)			2 cm	Muck (A10) (LRR A, E)	
Histic Ep	ipedon (A2)		Sandy Red	ox (S5)				Iron-N	/langanese M	asses (F12) (I	LRR D)
Black His	stic (A3)		Stripped M	atrix (S6	6)			Red F	Parent Materia	al (F21)	
Hydroger	n Sulfide (A4)		Loamy Mu	cky Mine	eral (F1)	(except	MLRA 1)	Very	Shallow Dark	Surface (F22)	
	ck (A9) (LRR D, G)		Loamy Gle					Other	(Explain in F	temarks)	
	Below Dark Surface	e (A11)	X Depleted M		-			2			
	rk Surface (A12)		Redox Dar						, , ,	tic vegetation	
	ucky Mineral (S1)	20) (1 22 0)	Depleted D		` ')				must be prese	nt,
	lucky Peat or Peat (Redox Dep	ressions	s (F8)			unies	s disturbed o	problematic.	
	.ayer (if observed):										
Type:	-1 \						Hardela O.		•	V V	NI-
Depth (in	cnes):						Hydric Sc	il Present	7	Yes X	No
Remarks:	laida fill maakamial										
soils are road	Iside fill material										
HYDROLO	GY										
Wetland Hyd	Irology Indicators:										
Primary Indic	ators (minimum of o	ne is require	ed; check all that a	apply)				Secondar	y Indicators (2 or more requ	iired)
x Surface \	Nater (A1)		Water-Stai	ned Lea	ves (B9)	(except	t	Wate	r-Stained Lea	ves (B9) (MLF	RA 1, 2
x High Wat	ter Table (A2)		MLRA '	I, 2, 4A,	and 4B))		4.4	, and 4B)		
x Saturatio			Salt Crust	` ,				Drain	age Patterns	(B10)	
Water Ma	` '		Aquatic Inv						eason Water		
	t Deposits (B2)		Hydrogen S		•	•				on Aerial Imag	ery (C9)
	osits (B3)		Oxidized R	•		-	oots (C3)		orphic Positi		
	t or Crust (B4)		Presence of			, ,	(00)		ow Aquitard (
Iron Depo	, ,		Recent Iron						Neutral Test (`
	Soil Cracks (B6) on Visible on Aerial I	maganı (P7)	Stunted or				RR A)			s (D6) (LRR A)
	Vegetated Concave			iain in R	emarks)			FIOSI-	Heave Humr	nocks (D7)	
		Ourrace (Di									
Field Observ Surface Wate		. v	No	Donth /	nchco\:	3					
Water Table					nches): _						
Saturation Pr		s X		Depth (i Depth (i	nches): _ nches):	0	Wetland	d Hydrolog	y Present?	Yes X	No
(includes cap		<u> </u>		Dopui (i	_		Woulding	a riyarolog	, y 1 100011t.	100 <u>X</u>	
	corded Data (stream	gauge, mor	nitoring well, aerial	photos.	previous	s inspec	tions), if ava	ilable:			
	`			. ,	-	'	,-				
Remarks:											

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Project/Site: Post Creek Hill - US 93		City/County: Lake Sampling Date: 9-						
Applicant/Owner: MDT				State: MT	Sampling Point:	WDP-1-24(2)		
Investigator(s): B.Cline, F.Doty		Section, T	ownship, Ra	nge: S13 T19N R20W				
Landform (hillside, terrace, etc.): Agricultural field		Local relief (co	oncave, conv	ex, none): concave	Slo	pe (%): <u>0-5</u>		
Subregion (LRR/MLRA): LRR E, MLRA 44A	Lat:	47.38081	9 l	ong: <u>-114.096392</u>	Datum:	NAD83		
Soil Map Unit Name: Ronan silty clay loam, 2 to 4 per	cent slopes			NWI classi	fication: none			
Are climatic / hydrologic conditions on the site typical f	or this time o	f year?	Yes X	No (If no, exp	olain in Remarks.)			
Are Vegetation, Soil, or Hydrology	significantly of	disturbed? A	re "Normal C	circumstances" present?	Yes X N	o		
Are Vegetation, Soil, or Hydrology	naturally prol	olematic? (I	f needed, ex	plain any answers in Rer	narks.)			
SUMMARY OF FINDINGS - Attach site ma	ap showin	ıg samplinç	g point lo	cations, transects,	important feat	tures, etc.		
Hydrophytic Vegetation Present? Yes X N	lo	Is the	Sampled A	rea				
	0		n a Wetland		No			
	0							
Remarks:		•						
VEGETATION – Use scientific names of p	Nonto							
VEGETATION - Ose scientific flames of p	Absolute	Dominant	Indicator					
Tree Stratum (Plot size: 30')	% Cover	Species?	Status	Dominance Test wor	ksheet:			
1.				Number of Dominant	•			
2. 3.				Are OBL, FACW, or F		2 (A)		
4				Total Number of Dom Across All Strata:	inant Species	2 (B)		
		=Total Cover		Percent of Dominant	 Species That	(=)		
Sapling/Shrub Stratum (Plot size: 30')			Are OBL, FACW, or F		00.0% (A/B)		
1								
2. 3.				Prevalence Index wo Total % Cover of		u bu:		
					$\frac{\text{Multiply}}{0} \times 1 =$	у by. 40		
5.) x 2 =	0		
		=Total Cover		FAC species 5	5 x 3 =	165		
Herb Stratum (Plot size: 30')) x 4 =	0		
Poa pratensis Carex nebrascensis	40	Yes Yes	FAC		x 5 = (A)	0 205 (B)		
3. Alopecurus pratensis	15	No	OBL FAC	Prevalence Index				
4.								
5.				Hydrophytic Vegetat	ion Indicators:			
6					Hydrophytic Veget	tation		
7.				X 2 - Dominance Te				
8. 9.					dex is ≤3.0 Adaptations¹(Provi	de sunnortino		
10					s or on a separate			
11				5 - Wetland Non-				
	95	=Total Cover	_		ophytic Vegetation			
Woody Vine Stratum (Plot size: 30')			¹ Indicators of hydric s				
1. 2.				be present, unless dis	turbed or problema	auc.		
<u> </u>		=Total Cover		Hydrophytic Vegetation				
% Bare Ground in Herb Stratum					XNo	_		
Remarks:								

SOIL Sampling Point: WDP-1-24(2)

	cription: (Describe	to the depth				tor or o	confirm the	absence of	indicators.)		
Depth	Matrix	0/		x Featur		Loc ²	Т	4		Damandra	
(inches)	Color (moist)	<u>%</u>	Color (moist)	<u>%</u>	Type ¹	Loc	Tex			Remarks	
0-3	10YR 4/1	100					Loamy/			matter with	roots
3-6	10YR 4/1	100					Loamy/		r	roots presnt	
6-16	7.5YR 5/3	100					Loamy/	/Clayey	40	0% 10YR 4/1	
				·							
¹ Type: C=C	oncentration, D=Dep	letion, RM=F	Reduced Matrix, C	S=Cove	ered or Co	ated S	and Grains.	² Locati	on: PL=Pore	e Lining, M=N	latrix.
Hydric Soil	Indicators: (Applica	ble to all LF	RRs, unless othe	rwise n	oted.)			Indicators	for Problem	natic Hydric	Soils³:
Histosol	(A1)		Sandy Gle					2 cm N	/luck (A10) (L	RR A, E)	
	pipedon (A2)		Sandy Red						-	asses (F12) (I	LRR D)
	istic (A3)		Stripped M	•	•				arent Materia		
	en Sulfide (A4)		Loamy Mu	•	, , ,	except	MLRA 1)			Surface (F22))
	uck (A9) (LRR D, G)	(* ()	Loamy Gle					Other	(Explain in Re	emarks)	
	d Below Dark Surface	e (A11)	X Depleted N	,	,			3Indicators	of budrophyt	ic vegetation	and
	ark Surface (A12) //ucky Mineral (S1)		Redox Dar Depleted D							nust be prese	
	Mucky Milleral (31) Mucky Peat or Peat (S2) (I RR G)			` '				disturbed or		71 IL,
	Layer (if observed):		Redox Be	710331011	3 (1 0)			unicaa	uistarbea or	problematic.	
Type:	_u, c. (c.cc cu).										
Depth (i	nches):						Hydric So	oil Present?		Yes X	No
Remarks:	,										
HYDROLO											
-	drology Indicators:							0 1			
-	cators (minimum of o	ne is require			(DO)	/		-	•	or more requ	-
X Surface	, ,		Water-Stai		` '	(excep	τ		and 4B)	ves (B9) (MLI	RA 1, 2
X Saturati	ater Table (A2)		Salt Crust		and 4B)			•	ge Patterns ((B10)	
	Marks (B1)		Aquatic Inv		es (R13)				ge Falleins (ason Water [:]		
	nt Deposits (B2)		Hydrogen							n Aerial Imag	ery (C9)
	posits (B3)		Oxidized R				oots (C3)		orphic Positio	-	,o.y (00)
	at or Crust (B4)		Presence	•		•	()		w Aquitard (D	,	
	posits (B5)		Recent Iro	n Reduc	tion in Til	led Soil	s (C6)		eutral Test ([•	
Surface	Soil Cracks (B6)		Stunted or	Stresse	d Plants	(D1) (LI	RR A)	Raised	Ant Mounds	(D6) (LRR A	N)
Inundati	on Visible on Aerial I	magery (B7)	Other (Exp	lain in F	Remarks)			Frost-H	Heave Humm	ocks (D7)	
Sparsel	y Vegetated Concave	Surface (B8	3)								
Field Obser	vations:										
Surface Wa	ter Present? Ye	s X	No	Depth (i	nches): _	2					
Water Table					nches): _						
Saturation F		s X	No	Depth (i	nches): _	4	Wetlan	d Hydrology	/ Present?	Yes X	No
	pillary fringe)							7. 1.1			
Describe Re	corded Data (stream	gauge, mon	itoring well, aeria	ı pnotos	, previous	inspec	tions), it ava	aliable:			
Remarks:											

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Project/Site: Post Creek Hill - US 93	•	City/Cou	nty: Lake		Sampling Date:	8-7-2024
Applicant/Owner: MDT				State: MT	Sampling Point:	WDP-2A-24(1)
Investigator(s): B.Cline, F.Doty		Section, T	ownship, Ra	nge: S25 T19N R20W		
Landform (hillside, terrace, etc.): irrigation ditch		Local relief (co	oncave, conv	vex, none): concave	Slc	pe (%): <u>0-5</u>
Subregion (LRR/MLRA): LRR E, MLRA 44A	Lat:	47.38195	6	Long: -114.096519	Datum:	NAD83
Soil Map Unit Name: Ronan silty clay loam, 0 to 2 pe	ercent slopes			NWI classif	ication: none	
Are climatic / hydrologic conditions on the site typical	for this time o	f year?	Yes X	No (If no, exp	lain in Remarks.)	
Are Vegetation , Soil , or Hydrology	significantly of	disturbed? A	re "Normal (Circumstances" present?	Yes X N	10
Are Vegetation, Soil, or Hydrology				plain any answers in Ren		
SUMMARY OF FINDINGS – Attach site n			g point lo	cations, transects,	important fea	tures, etc.
Hydrophytic Vegetation Present? Yes X	No	Is the	Sampled A	rea		
	No		n a Wetland		No	
	No					
Remarks:		Į.				
VEGETATION – Use scientific names of	•					
<u>Tree Stratum</u> (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test wor	kshoot:	
1.	70 OOVCI	орсскоз:	Otatus	Number of Dominant S		
2.				Are OBL, FACW, or F.	•	4 (A)
3.				Total Number of Domi	nant Species	
4				Across All Strata:	<u> </u>	4 (B)
	<u>, ——</u>	=Total Cover		Percent of Dominant S		00.00/ /4/5
Sapling/Shrub Stratum (Plot size: 30'	_)			Are OBL, FACW, or F.	AC: <u>1</u> 0	00.0% (A/B)
1. 2.				Prevalence Index wo	rkehoot:	
2				Total % Cover of:		v bv:
4.				OBL species 30		30
5.				FACW species 4	5 x 2 =	90
		=Total Cover		FAC species 1	5 x 3 =	45
Herb Stratum (Plot size: 30')				FACU species 0		0
Carex nebrascensis Paraisaria langulifalia		Yes	OBL	UPL species 0		0 165 (B)
Persicaria lapathifolia Mentha arvensis		Yes Yes	FACW	Column Totals: 90 Prevalence Index :	``	165 (B)
4. Poa pratensis	15	Yes	FAC	1 Tovalonio maex	1.0	
5. Glyceria elata	10	No	FACW	Hydrophytic Vegetati	on Indicators:	
6. Typha latifolia	10	No	OBL	1 - Rapid Test for	Hydrophytic Vege	tation
7.	_			X 2 - Dominance Te		
8				X 3 - Prevalence Ind		
9				4 - Morphological	Adaptations '(Provi s or on a separate	
10				5 - Wetland Non-\	•	sileet)
11	90	=Total Cover		Problematic Hydro		¹ (Explain)
Woody Vine Stratum (Plot size: 30')	rotal Govel		¹ Indicators of hydric so		
1.	_′			be present, unless dis		
2.				Hydrophytic	•	
		=Total Cover		Vegetation		
% Bare Ground in Herb Stratum				Present? Yes	XNo	
Remarks:						

SOIL Sampling Point: WDP-2A-24(1)

Profile Desc Depth	cription: (Describe to Matrix	to the dep		ment th Feature		tor or o	confirm the	absence of	indicators.	.)	
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Tex	ture		Remarks	
0-2	10YR 4/2	100	Gold (molety		.,,,,,		Loamy			roots present	
2-8	10YR 4/2	87	10YR 5/6	13	С	М	Loamy		Prominer	nt redox conce	
8-18	10YR 6/2	60	10YR 6/6	5	<u>C</u>	M	Loamy/	Clayey		35% 7.5YR 5/	3
			_								
	oncentration, D=Depl					oated S	and Grains.			re Lining, M=I	
Hydric Soil	Indicators: (Applica	ble to all l	RRs, unless other	wise n	oted.)			Indicators	for Proble	matic Hydric	Soils ³ :
Histosol	` '		Sandy Gley		ix (S4)				Лuck (A10) (
	oipedon (A2)		Sandy Red						-	lasses (F12)	(LRR D)
	stic (A3)		Stripped Ma	`	,				arent Materi	, ,	
	n Sulfide (A4)		Loamy Mud	•	, ,	(except	MLRA 1)			Surface (F22	2)
	ick (A9) (LRR D, G)		Loamy Gle					Other	(Explain in F	Remarks)	
	d Below Dark Surface	e (A11)	X Depleted M		-			3			
	ark Surface (A12)		Redox Dark						, ,	tic vegetation	
	fucky Mineral (S1)	20) (I DD (Depleted D							must be pres	
	Mucky Peat or Peat (52) (LKK (Redox Dep	ressions	S (F0)			unless	alsturbed o	problematic	-
	Layer (if observed):										
Type: Depth (ii	achoe):		<u> </u>				Hydric S	oil Present?	•	Yes X	No
Remarks:							Hyuric 30	Jii Fieseiit		162 /	NO
HYDROLC											
_	drology Indicators:										
-	cators (minimum of o	ne is requi			(5.0)	,		-		2 or more red	
X Surface			Water-Stair		, ,		t			aves (B9) (ML	.RA 1, 2
	ater Table (A2)				and 4B)				and 4B)	(D10)	
Saturatio	larks (B1)		Salt Crust (Aquatic Inv	-	ec (B13)				ige Patterns	Table (C2)	
	nt Deposits (B2)		Hydrogen S							on Aerial Ima	gery (C9)
	posits (B3)		Oxidized R				oots (C3)		orphic Positi		gory (Oo)
	at or Crust (B4)		Presence o			-	000		w Aquitard (` '	
	oosits (B5)		Recent Iron		,	,	s (C6)		leutral Test		
	Soil Cracks (B6)		Stunted or				, ,			s (D6) (LRR /	A)
Inundati	on Visible on Aerial Ir	magery (B	7) Other (Expl	ain in R	emarks)			Frost-l	Heave Humr	mocks (D7)	
Sparsely	Vegetated Concave	Surface (E	38)								
Field Obser	vations:										
Surface Wat	er Present? Ye	s_X_	No I	Depth (ii	nches):	4					
Water Table	Present? Ye	s	No I	Depth (ii	nches):						
Saturation P	resent? Ye	s	No I	Depth (ii	nches):		Wetlan	d Hydrolog	y Present?	Yes X	No
(includes ca	oillary fringe)										
Describe Re	corded Data (stream	gauge, mo	onitoring well, aerial	photos,	previous	s inspec	tions), if ava	ailable:			
Remarks:											
Active irrigat	ion season										

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Project/Site: Post Creek Hill - US 93		City/Cour	nty: Lake	•	Sampling Date:	8-7-2024
Applicant/Owner: MDT				State: MT	Sampling Point:	WDP-2A-24(2)
Investigator(s): B.Cline, F.Doty		Section, T	ownship, Rai	nge: S25 T19N R20W		
Landform (hillside, terrace, etc.): irrigated field		 Local relief (co	oncave, conv	ex, none): <u>flat</u>	Slo	pe (%): <u>0-5</u>
Subregion (LRR/MLRA): LRR E, MLRA 44A	Lat:	47.38196	0 L	ong: -114.096425	Datum:	NAD83
Soil Map Unit Name: Ronan silty clay loam, 0 to 2 pe					fication: PEM1C	
Are climatic / hydrologic conditions on the site typical	for this time o	f year?	Yes X	No (If no, exp	olain in Remarks.)	
Are Vegetation, Soil, or Hydrology	significantly of			circumstances" present?		lo
Are Vegetation, Soil, or Hydrology				olain any answers in Rer		
SUMMARY OF FINDINGS – Attach site m	_			·	•	tures, etc.
Hydrophytic Vegetation Present? Yes X I	No	Is the	Sampled A	rea		
	No		n a Wetland		No	
	No					
Remarks:						
VEGETATION – Use scientific names of	plants.					
	Absolute	Dominant	Indicator			
Tree Stratum (Plot size: 30')	% Cover	Species?	Status	Dominance Test wor	ksheet:	
1.				Number of Dominant	•	0 (4)
2. 3.				Are OBL, FACW, or F		3 (A)
4	-			Total Number of Dom Across All Strata:	inant Species	3 (B)
		=Total Cover		Percent of Dominant	Species That	(2)
Sapling/Shrub Stratum (Plot size: 30'	_)			Are OBL, FACW, or F	•	00.0% (A/B)
1						
2.				Prevalence Index wo		
3.				Total % Cover of		
5.					0 x1= x2=	0
J		=Total Cover				180
Herb Stratum (Plot size: 30')					5 x 4 =	60
1. Alopecurus pratensis	35	Yes	FAC	UPL species (x 5 =	0
2. Phleum alpinum	25	Yes	FAC	Column Totals: 9	5 (A)	260 (B)
3. Carex nebrascensis	20	Yes	OBL	Prevalence Index	= B/A = <u>2.74</u>	4
4. Trifolium pratense	15	No	FACU			
5.				Hydrophytic Vegetat		t - 4!
6. 7.				X 2 - Dominance Te	Hydrophytic Veget	ation
Ω				X 3 - Prevalence Inc		
					Adaptations ¹ (Provi	de supportino
10					s or on a separate	
11.				5 - Wetland Non-	√ascular Plants¹	
	95	=Total Cover		Problematic Hydro	ophytic Vegetation ¹	^l (Explain)
Woody Vine Stratum (Plot size: 30'	_)			¹ Indicators of hydric s		
1.				be present, unless dis	turbed or problema	itic.
2		=Total Cover		Hydrophytic		
% Bare Ground in Herb Stratum		- i olai Govel		Vegetation Present? Yes	X No	
Remarks:						

SOIL Sampling Point: WDP-2A-24(2)

	ription: (Describe	to the depth				tor or o	confirm the	absence of	indicators.)		
Depth	Matrix	0/		x Featu		. 2	_				
(inches)	Color (moist)	<u>%</u>	Color (moist)	%	Type ¹	Loc ²	-	ture		Remarks	
0-2	10YR 3/2	100					Mucky Lo		ro	oots present	
2-4	10YR 4/2	100					Mucky Lo				
4-16	2.5Y 5/2	100					Loamy/	/Clayey		depleted	
				'							
							1				
							-				
¹ Type: C=Co	ncentration, D=Dep	letion, RM=R	educed Matrix, (CS=Cove	ered or Co	pated S	and Grains.	² Locatio	n: PL=Pore	Lining, M=Mat	trix.
Hydric Soil I	ndicators: (Applica	able to all LR	Rs, unless oth	erwise n	oted.)			Indicators	for Problem	atic Hydric Sc	oils³:
Histosol (A1)		Sandy Gle	yed Mat	rix (S4)			2 cm M	uck (A10) (L	RR A, E)	
Histic Epi	pedon (A2)		Sandy Re	dox (S5)				Iron-Ma	nganese Ma	sses (F12) (LF	RR D)
Black His	tic (A3)		Stripped N	/latrix (S	3)			Red Pa	rent Material	(F21)	
Hydroger	Sulfide (A4)		_X_Loamy Μι	ıcky Min	eral (F1)	(except	MLRA 1)	Very Sh	allow Dark S	Surface (F22)	
1 cm Mud	ck (A9) (LRR D, G)		Loamy Gl	eyed Ma	trix (F2)			Other (I	Explain in Re	marks)	
	Below Dark Surface	e (A11)	X Depleted I		-			2			
	k Surface (A12)		Redox Da							c vegetation ar	
	ucky Mineral (S1)		Depleted		` '					nust be presen	t,
	ucky Peat or Peat (Redox De	pression	s (F8)			unless	disturbed or	problematic.	
	ayer (if observed):										
Type:			_								
Depth (in	ches):		_				Hydric So	oil Present?		Yes X	No
Remarks:											
HYDROLO	GY										
Wetland Hvd	rology Indicators:										
	ators (minimum of o		d; check all that	apply)				Secondary	ndicators (2	or more requir	red)
X Surface V	•		Water-Sta		ves (B9)	(excep	t	Water-S	Stained Leav	es (B9) (MLR	A 1, 2
X High Wat	er Table (A2)		MLRA	1, 2, 4A	and 4B)	` -			and 4B)		
X Saturation	n (A3)		Salt Crust	(B11)				Drainag	e Patterns (I	310)	
Water Ma	arks (B1)		Aquatic In	vertebra	tes (B13)			Dry-Sea	ason Water 1	Table (C2)	
Sediment	Deposits (B2)		Hydrogen	Sulfide (Odor (C1))		Saturat	on Visible or	n Aerial Imagei	ry (C9)
Drift Depo	osits (B3)		Oxidized F	Rhizosph	eres on L	iving R	oots (C3)	Geomo	rphic Positio	n (D2)	
Algal Mat	or Crust (B4)		Presence		,	,		Shallow	Aquitard (D	3)	
Iron Depo			Recent Iro				. ,		eutral Test (D	-	
	Soil Cracks (B6)		Stunted or			(D1) (L l	RR A)			(D6) (LRR A)	
	n Visible on Aerial I		Other (Exp	olain in F	Remarks)			Frost-H	eave Humm	ocks (D7)	
	Vegetated Concave	Surface (B8)								
Field Observ											
Surface Water			No	Depth (i	´ -	2					
Water Table I			No	. ,	inches): _	4	NA/-41-	اعدادیرا ام	Dues and O	Vac. V	No
Saturation Pro		es X	No	Deptn (inches):	0	wetian	d Hydrology	Present?	Yes X	No
(includes cap	illary fringe) orded Data (stream	dalide moni	toring well acris	ıl nhotos	nrevious	ineneo	tions) if ave	ailahle.			
Describe Ked	orded Data (Stredill	yauy c , IIIOIII	toring well, aella	ii piiulus	, previous	, mohec	nionoj, ii ava	anavic.			
Remarks:											

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Project/Site: Post Creek Hill - US 93		City/Cour	nty: <u>Lake</u>	•	Sampling Date:	8-7-2024
Applicant/Owner: MDT				State: MT	Sampling Point:	WDP-2B-24(1)
Investigator(s): B.Cline, F.Doty		Section, T	ownship, Ra	nge: S25 T19N R20W		
Landform (hillside, terrace, etc.): roadside ditch		Local relief (co	oncave, conv	ex, none): concave	Slo	pe (%): <u>0-5</u>
Subregion (LRR/MLRA): LRR E, MLRA 44A	Lat:	47.38200	1	Long: <u>-114.096639</u>	Datum:	NAD83
Soil Map Unit Name: Ronan silty clay loam, 0 to 2 per	rcent slopes			NWI classif	ication: none	
Are climatic / hydrologic conditions on the site typical	for this time o	f year?	Yes X	No (If no, exp	lain in Remarks.)	
Are Vegetation, Soil, or Hydrology	significantly	disturbed? A	re "Normal 0	Circumstances" present?	Yes X N	o
Are Vegetation, Soil, or Hydrology	naturally prol	olematic? (I	f needed, ex	plain any answers in Ren	narks.)	
SUMMARY OF FINDINGS – Attach site m	ap showin	g sampling	g point lo	cations, transects,	important feat	ures, etc.
Hydrophytic Vegetation Present? Yes X N	No	Is the	Sampled A	rea		
	No		n a Wetland		No	
	No					
Remarks:		-				
Roadside ditch functioning as a palustrine emergent	wetland.					
VEGETATION – Use scientific names of	plants.					
	Absolute	Dominant	Indicator			
Tree Stratum (Plot size: 30')	% Cover	Species?	Status	Dominance Test wor		
1. 2.				Number of Dominant S Are OBL, FACW, or F	•	2 (A)
3.				Total Number of Domi		(/1)
4.				Across All Strata:		2 (B)
		=Total Cover		Percent of Dominant S		
Sapling/Shrub Stratum (Plot size: 30'	_)			Are OBL, FACW, or F.	AC: 10	00.0% (A/B)
1 2.				Prevalence Index wo	rkshoot:	
2	-			Total % Cover of:		v bv:
4.				OBL species 20		20
5.				FACW species 0	x 2 =	0
		=Total Cover		FAC species 4		135
Herb Stratum (Plot size: 30')	4E	Voo	FAC	FACU species 0		75
Poa pratensis Carex nebrascensis	45	Yes Yes	FAC OBL	UPL species 19 Column Totals: 80		75 230 (B)
3. Bromus inermis	15	No	UPL	Prevalence Index		
4.						
5.				Hydrophytic Vegetati		
6.				1 - Rapid Test for		ation
7. 8.				X 2 - Dominance Te X 3 - Prevalence Ind		
				4 - Morphological		de supporting
10					s or on a separate	
11.				5 - Wetland Non-\	ascular Plants ¹	
	80	=Total Cover		Problematic Hydro	phytic Vegetation ¹	(Explain)
Woody Vine Stratum (Plot size: 30'	_)			¹ Indicators of hydric so		
1. 2.				be present, unless dis	urbed or problema	ili.
	<u> </u>	=Total Cover		Hydrophytic Vegetation		
% Bare Ground in Herb Stratum				Present? Yes	X No	_
Remarks:						

SOIL Sampling Point: WDP-2B-24(1)

Profile Desc Depth	cription: (Describe to Matrix	to the dept		ment th Feature		tor or o	confirm the	absence of	findicators	i.)	
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Tex	ture		Remarks	
0-2	10YR 5/1	100	()		- 7		Loamy			roots present	
2-6	10YR 5/1	94	10YR 5/4	6	С	М	Loamy		Distinct	t redox concer	
6-15	10YR 4/2	80	10YR 5/4	20	С	М	Loamy	Clayey	Distinct	t redox concer	ntrations
15-18	10YR 6/3	100								depleted	
¹Type: C=Co	oncentration, D=Depl	etion RM=	Reduced Matrix C	S=Cove	red or Co	nated S	and Grains	² l ocat	ion: PI =Po	ore Lining, M=N	Matrix
	Indicators: (Applica									matic Hydric	
Histosol			Sandy Gley						Muck (A10)	-	
	pipedon (A2)		Sandy Red		()					Masses (F12) ((LRR D)
Black Hi			Stripped Ma		5)				arent Mater		,
	n Sulfide (A4)		Loamy Muc	,	,	(except	t MLRA 1)			k Surface (F22	2)
	ick (A9) (LRR D, G)		Loamy Gle	•	, ,		,		(Explain in f	•	,
	Below Dark Surface	(A11)	X Depleted M						` .	,	
Thick Da	ark Surface (A12)	, ,	Redox Dark		-			³ Indicators	of hydrophy	ytic vegetation	and
Sandy M	lucky Mineral (S1)		Depleted D	ark Surf	ace (F7)			wetlan	d hydrology	must be pres	ent,
2.5 cm N	Mucky Peat or Peat (S	62) (LRR G	Redox Dep	ressions	s (F8)			unless	disturbed of	or problematic.	
Restrictive I	Layer (if observed):										
Type:											
Depth (ir	nches):						Hydric So	oil Present?	?	Yes X	No
Remarks:											
HYDROLO											
_	drology Indicators:	:_ : :.						C		(0	!1\
	cators (minimum of o Water (A1)	ne is requir			voc (BO)	/avaan				(2 or more req	
	iter Table (A2)		Water-Stair		and 4B))L		-Stained Lea , and 4B)	aves (B9) (ML	KA 1, 2
Saturation			Salt Crust (and 4D)				ige Patterns	: (B10)	
X Water M			Aquatic Inv		es (B13)				-	r Table (C2)	
	nt Deposits (B2)		Hydrogen S							on Aerial Ima	gery (C9)
	oosits (B3)		Oxidized R				Roots (C3)		orphic Posit		g
	it or Crust (B4)		Presence o			-	,	Shallo	w Aquitard ((D3)	
	osits (B5)		Recent Iron	Reduc	tion in Ti	lled Soi	Is (C6)		Neutral Test		
Surface	Soil Cracks (B6)		Stunted or	Stresse	d Plants	(D1) (L l	RR A)	Raise	d Ant Mound	ds (D6) (LRR /	A)
Inundation	on Visible on Aerial Ir	magery (B7	Other (Expl	ain in R	emarks)			Frost-	Heave Hum	mocks (D7)	
Sparsely	Vegetated Concave	Surface (E	88)								
Field Obser	vations:										
Surface Wat	er Present? Ye	s	No X I	Depth (i	nches):						
Water Table	Present? Ye	s	No X	Depth (i	nches):						
Saturation P	resent? Ye	s	No X	Depth (i	nches):		Wetlan	d Hydrolog	y Present?	Yes X	No
(includes car	oillary fringe)										
Describe Re	corded Data (stream	gauge, mo	nitoring well, aerial	photos,	previous	inspec	ctions), if ava	ailable:			
Remarks:											

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Project/Site: Post Creek Hill - US 93		City/Cou	nty: <u>Lake</u>			Sampling Date:	8-7-2024
Applicant/Owner: MDT				State:	MT	Sampling Point:	WDP-2B-24(2)
Investigator(s): B.Cline, F.Doty		Section, T	ownship, Rar	nge: S25 T	19N R20W		
Landform (hillside, terrace, etc.): roadside ditch		Local relief (co	oncave, conve	ex, none):	concave	Slo	ope (%): <u>0-5</u>
Subregion (LRR/MLRA): LRR E, MLRA 44A	Lat:	47.38357	5 L	.ong: <u>-114.0</u>	96632	Datum:	NAD83
Soil Map Unit Name: Ronan silty clay loam, 0 to 2 per	cent slopes		, 		NWI classifi	cation: R5UBFx	
Are climatic / hydrologic conditions on the site typical	for this time o	f year?	Yes X	No	(If no, expl	ain in Remarks.)	
Are Vegetation, Soil, or Hydrology	significantly	disturbed? A	re "Normal C	ircumstances	" present?	Yes_X_ N	No
Are Vegetation, Soil, or Hydrology	naturally pro	blematic? (I	If needed, exp	olain any ans	wers in Rem	arks.)	
SUMMARY OF FINDINGS - Attach site m	ap showir	ng sampling	g point loc	ations, tra	ansects, i	mportant fea	tures, etc.
Hydrophytic Vegetation Present? Yes X	Jo.	le the	Sampled Ar	·02			
	No		n a Wetland?		Yes X	No	
	No						
Remarks:		•					
Roadside ditch functioning as a palustrine emergent	wetland.						
VEGETATION – Use scientific names of	plants.						
	Absolute	Dominant	Indicator				
Tree Stratum (Plot size: 30')	% Cover	Species?	Status	Dominanc	e Test work	sheet:	
1. 2.						Species That	2 (A)
		-			FACW, or FA		2 (A)
4.	•	•		Across All		nant Species	2 (B)
-		=Total Cover		Percent of	Dominant S	pecies That	` /
Sapling/Shrub Stratum (Plot size: 30'	_)				FACW, or FA	•	00.0% (A/B)
1							
2.					e Index wor		lea head
3	. ———			OBL specie	% Cover of: es 60	·	60
5.			-	FACW spe			60
		=Total Cover		FAC specie			30
Herb Stratum (Plot size: 30')				FACU spec	cies 0	x 4 =	0
1. Typha latifolia	50	Yes	OBL	UPL specie			0
2. Glyceria elata	30	Yes	FACW	Column To			150 (B)
3. Cyperus squarrosus	10	No No	OBL	Prevale	nce Index =	B/A = 1.5	50
4. Rumex crispus 5.	10	<u>No</u>	<u>FAC</u>	Hydronhyd	tic Vogotatio	on Indicators:	
6.					_	Hydrophytic Vege	etation
7.					minance Tes		Tation .
8.		,		X 3 - Pre	valence Inde	ex is ≤3.0 ¹	
9.						Adaptations ¹ (Prov	
10						or on a separate	sheet)
11	100	-Tatal Cavan				ascular Plants ¹	1 (5,5515:5)
Woody Vine Stratum (Plot size: 30'	100	=Total Cover		_		phytic Vegetation	` ' '
1.	_'					il and wetland hyd urbed or problema	
2.				Hydrophyl			
		=Total Cover		Vegetation			
% Bare Ground in Herb Stratum				Present?	Yes_	X No_	
Remarks:							

SOIL Sampling Point: WDP-2B-24(2)

Color (moist)	Depth	ription: (Describe Matrix			x Featu						
5-11 10VR 5/1 100 Loarny/Clayey 30% gravels 11-16 10VR 5/4 100 Loarny/Clayey 70% gravelrock 11-16 10VR 5/4 100 Loarny/Clayey Matrix (54) Indicators for Problematic Hydric Soils 1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Тех	cture	Rema	ırks
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered Matrix, CS=C	0-5	10YR 3/2	100					Loamy	/Clayey	organic, roo	ts present
Type: C=Concentration, D=Depletion, RM=Reduced Matrix. CS=Covered or Coated Sand Grains *Location: PL=Pore Lining, M=Matrix. Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Histoso((A1) Histoso((A2) Sandy Redox (S5) Finand-Manganese Masses (F12) (LRR D Black Histic (A3) Hydrogen Sulfide (A4) Loarny Mucky Mineral (F1) (except MLRA 1) Loarny Micky Mineral (F1) Loarny Micky Mineral (F2) Loarny Micky Mineral (F1) Loarny Micky	5-11	10YR 5/1	100					Loamy	/Clayey	30% gr	avels
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1)	11-16	10YR 5/4	100					Loamy	/Clayey	70% grav	el/rock
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1)											
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1) Sandy Gleyed Matrix (S4) Histosol (A2) Sandy Redox (S5) Black Histic (A3) Stripped Matrix (S8) Hydrogen Sulfide (A4) Loamy Mucky Mineral (F1) (except MLRA 1) Tor Muck (A9) (LRR D, G) Loamy Gleyed Matrix (F2) 1 cm Muck (A9) (LRR D, G) Loamy Gleyed Matrix (F2) Thick Dark Surface (A11) Thick Dark Surface (A11) Sandy Mucky Mineral (F1) (except MLRA 1) Z Depleted Below Dark Surface (A11) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S2) (LRR G) Redox Depressions (F8) Hydric Soil Present? Wetland Hydrology Indicators: Primary Indicators (minimum of one is required: check all that apply) Surface Water (A1) Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Water-Stained Leaves (B9) (much MLRA 1, 2, 4A, and 4B) Water-Stained Leaves (B9) (much MLRA 1, 2, 4A, and 4B) Water-Stained Leaves (B9) (much MLRA 1, 2, 4A, and 4B) Water-Stained Leaves (B9) (much MLRA 1, 2, 4A, and 4B) Water-Stained Leaves (B9) (much MLRA 1, 2, 4A, and 4B) Water-Stained Leaves (B9) (much MLRA 1, 2, 4A, and 4B) Water-Stained Leaves (B9) (much MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation (A3) Salt Crust (B1) Dry-Season Water Table (C2) Saturation (Parky MLRA 1, 2, 4A, and 4B) Aquatic Invertebrates (B13) Aquatic Invertebrates (B13) Aquatic Invertebrates (B13) Dry-Season Water Table (C2) Saturation (Parky MLRA 1, 2, 4A, and 4B) Dry-Season Water Table (C2) Saturation (Parky MLRA 1, 2, 4A, and 4B) Dry-Season Water Table (C2) Saturation (Parky MLRA 1, 2, 4A, and 4B) Dry-Season Water Table (C2) Saturation (Parky MLRA 1, 2, 4A, and 4B) Dry-Season Water Table (C2) Saturation (Parky MLRA 1, 2, 4A, and 4B) Drainage Pattern			<u> </u>					-			
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Histocal (A1) Histocal (A1) Sandy Redox (S5) Sandy Redox (S5) Black Histic (A3) Stripped Matrix (S6) Hydrogen Sulfide (A4) Loamy Mucky Mineral (F1) (except MLRA 1) Loamy Gleyed Matrix (F2) Loamy Gleyed Matrix (F2) Thick Dark Surface (A11) Thick Dark Surface (A11) Sandy Mucky Mineral (F1) (except MLRA 1) Sandy Mucky Mineral (F2) Sandy Mucky Mineral (F2) Sandy Mucky Mineral (F2) Sandy Mucky Mineral (F3) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S2) (LRR G) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S2) Sandy Muc											
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1)			. —— –								
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1)											
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1)	¹ Type: C=Co	ncentration D=Der	letion RM=F	Reduced Matrix (S=Cove	ered or Co	nated S	and Grains	² l ocatio	n: PI =Pore Linino	M=Matrix
Histic Epipedon (A2) Sandy Gleyed Matrix (S4) 2 cm Muck (A10) (LRR A, E) Histic Epipedon (A2) Sandy Redox (S5) Iron-Manganese Masses (F12) (LRR D Black Histic (A3) Stripped Matrix (S6) Red Parent Material (F21) Hydrogen Sulfide (A4) Loamy Mucky Mineral (F1) (except MLRA 1) Very Shallow Dark Surface (F22) 1 cm Muck (A9) (LRR D, G) Loamy Gleyed Matrix (F3) Thick Dark Surface (A12) Redox Dark Surface (F3) Thick Dark Surface (A12) Redox Dark Surface (F3) Sandy Mucky Mineral (S1) Depleted Matrix (F3) Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) Redox Dark Surface (F3) Sandy Mucky Peat or Peat (S2) (LRR G) Redox Depressions (F8) Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes No Remarks: Gravels likely present from road construction. Hydric Soil Present? Yes No Mara 1, 2, 4A, and 4B) Secondary Indicators (2 or more required) Mater-Stained Leaves (B9) (except Water-Stained Leaves (B9) (except Himary Indicators (minimum of one is required) Mater Marks (B1) Salt Crust (B11) Drinage Patterns (B10) Drint Deposits (B3) Salt Crust (B11) Drinage Patterns (B10) Drift Deposits (B3) Oxidized Rhizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C1) Drift Deposits (B3) Oxidized Rhizospheres on Living Roots (C3) Saltow Aquitard (D3) Iron Deposits (B5) Recent Iron Reduction in Tilled Soils (C6) Forest-Heave Hummocks (D7) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Yes No Depth (inches): Water Table Present? Yes No Depth (inches): Oxidized Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	• • • • • • • • • • • • • • • • • • • •						Jaica O	and Orams.			
Histic Epipedon (A2) Black Histic (A3) Stripped Matrix (S5) Black Histic (A3) Stripped Matrix (S6) Red Parentt Material (F21) Hydrogen Sulfide (A4) Loamy Mucky Mineral (F1) (except MLRA 1) Loamy Mucky Mineral (F2) Loamy Mucky Mineral (F2) Thick Dark Surface (A11) Suppleted Below Dark Surface (A11) Suppleted Below Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Depleted Dark Surface (F6) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Search Voltage (A22) Depleted Dark Surface (F6) Sandy Mucky Mineral (S1) Servicitive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply) Surface Water (A11) Water-Stained Leaves (B9) (except MLRA 1) Water-Stained Leaves (B9) (except MLRA 1) Water-Stained Leaves (B9) (except Methada 1) Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Salt Crust (B11) Drainage Pattems (B10) Dry-Season Water Table (C2) Saltaration (A3) Salt Crust (B11) Drainage Pattems (B10) Dry-Season Water Table (C2) Saltaration Visible on Aerial Imagery (C1) Drift Deposits (B3) Oxidized Rhizospheres on Living Roots (C3) Algal Mat or Crust (B4) Presence of Reduced Iron (C4) Saltaration Visible on Aerial Imagery (C1) Sparsely Vegetated Concave Surface (B8) Frost-Heave Hummocks (D7) Sparsely Vegetated Concave Surface (B8) Frost-Heave Hummocks (D7) Frost-Heave Hummocks (D7) Sparsely Vegetated Concave Surface (B8) Frost-Heave Hummocks (D7) Sparsely										·	-
Black Histic (A3)		•									
Hydrogen Sulfide (A4)										-	
Depleted Below Dark Surface (A11) X Depleted Matrix (F3) Thick Dark Surface (A12) Redox Dark Surface (F6) Present? Prost-Heave Hummocks (D7) Prost-Heave H	Hydrogen	Sulfide (A4)				-	(except	MLRA 1)	Very Sh	allow Dark Surface	e (F22)
Thick Dark Surface (A12) Redox Dark Surface (F6) Searchy Mucky Mineral (S1) Depleted Dark Surface (F7) Redox Dark Surface (F7) Redox Depleted Dark (F7) Redox Depleted Dark Depleted Dark Surface (F7) Redox Depleted Dark Depl	1 cm Muc	k (A9) (LRR D, G)		Loamy Gle	eyed Ma	trix (F2)			Other (E	Explain in Remarks)
Sandy Mucky Mineral (S1)	X Depleted	Below Dark Surfac	e (A11)	X Depleted I	Matrix (F	3)					
2.5 cm Mucky Peat or Peat (S2) (LRR G) Redox Depressions (F8) unless disturbed or problematic. Restrictive Layer (if observed):	Thick Dar	k Surface (A12)		Redox Da	rk Surfac	ce (F6)			³ Indicators o	of hydrophytic vege	tation and
Remarks: Gravels likely present from road construction. HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply) Surface Water (A1) X High Water Table (A2) X High Water Table (A2) X Hater Marks (B1) X Saturation (A3) X Saturation (A3) X Mater Marks (B1) Aquatic Invertebrates (B13) Adjusted Presents (B2) Aligh Iden Oxidized Rhizospheres on Living Roots (C3) Aligh Iden Oxidized Rhizospheres on Living Roots (C3) Aligh Iden Oxidized Rhizospheres on Living Roots (C3) Aligh Iden Oxidized Rhizospheres on Living Roots (C6) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	Sandy Mu	ucky Mineral (S1)		Depleted I	Dark Sur	face (F7)			wetland	hydrology must be	present,
Type: Depth (inches):	2.5 cm M	ucky Peat or Peat (S2) (LRR G)	Redox De	pression	s (F8)			unless o	listurbed or proble	matic.
Depth (inches):	Restrictive L	ayer (if observed)	:								
Remarks: Gravels likely present from road construction. HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply) Surface Water (A1) Water-Stained Leaves (B9) (except High Water Table (A2) MLRA 1, 2, 4A, and 4B) Maker Table (A2) MLRA 1, 2, 4A, and 4B) Maker Table (A2) Muster Marks (B1) Mayer Marks (B1) Mayer Marks (B1) Mayer Marks (B1) Mayer Marks (B2) Moriting Roots (C3) Moriting Roots (C	_			<u> </u>							
Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply) Surface Water (A1) X High Water Table (A2) X Saturation (A3) X Saturation (A3) Sediment Deposits (B1) Drift Deposits (B3) Algal Mat or Crust (B4) In Deposits (B5) Surface Soil Cracks (B6) Surface Soil Cracks (B6) In Indudation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Yes No Depth (inches): Use Condary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2 Water-Stained Leaves (B10) Sedimon Deposits (B2) Water-Stained Leaves (B	Depth (in	ches):						Hydric S	oil Present?	Yes _	X No_
Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply) Surface Water (A1) Water-Stained Leaves (B9) (except Water-Stained Leaves (B9) (except Water-Stained Leaves (B9) (except Water-Stained Leaves (B9) (murch (B1)) Water Table (A2) March (A3) Salt Crust (B11) Drainage Patterns (B10) Dry-Season Water Table (C2) Sediment Deposits (B2) Hydrogen Sulfide Odor (C1) Sediment Deposits (B3) Aquatic Invertebrates (B13) Dry-Season Water Table (C2) Sediment Deposits (B3) Oxidized Rhizospheres on Living Roots (C3) Algal Mat or Crust (B4) Presence of Reduced Iron (C4) Shallow Aquitard (D3) Iron Deposits (B5) Recent Iron Reduction in Tilled Soils (C6) Surface Soil Cracks (B6) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Yes No Depth (inches): Water Table Present? Yes No Depth (inches): Wetland Hydrology Present? Yes X No Includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:											
Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply) Secondary Indicators (2 or more required)	Graveis likely	present from road	construction.	-							
Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply) Secondary Indicators (2 or more required)											
Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply) Secondary Indicators (2 or more required)	HYDROLO	GY									
Primary Indicators (minimum of one is required; check all that apply) Surface Water (A1) Water-Stained Leaves (B9) (except Water-Stained Leaves (B9) (except Water-Stained Leaves (B9) (MLRA 1, 2, 2, 4A, and 4B) X Saturation (A3) Salt Crust (B11) Drainage Patterns (B10) X Water Marks (B1) Aquatic Invertebrates (B13) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Presence of Reduced Iron (C4) Iron Deposits (B5) Surface Soil Cracks (B6) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Yes X No Depth (inches): Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Ad, and 4B) Drainage Patterns (B10) Square Patterns (B10) Drainage Patterns (B10) Drainage Patterns (B10) Drainage Patterns (B10) Drainage Patterns (B10) Square Pat											
Surface Water (A1) Water-Stained Leaves (B9) (except Water-Stained Leaves (B9) (MLRA 1, 2 Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Ad, and 4B) Salt Crust (B11) Drainage Patterns (B10) Dry-Season Water Table (C2) Sediment Deposits (B2) Hydrogen Sulfide Odor (C1) Drift Deposits (B3) Algal Mat or Crust (B4) Presence of Reduced Iron (C4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Yes X No Depth (inches): Satural photos, previous inspections), if available: Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) AA, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C1) Saturation Visible on Aerial Imagery (C2) Shallow Aquitard (D3) Frost-Heave Hummocks (D5) Wetland Hydrology Present? Yes X No (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	-			ed: check all that	apply)				Secondary I	ndicators (2 or mo	re required)
XHigh Water Table (A2)MLRA 1, 2, 4A, and 4B)4A, and 4B)XSaturation (A3)Salt Crust (B11)Drainage Patterns (B10)XWater Marks (B1)Aquatic Invertebrates (B13)Dry-Season Water Table (C2)Sediment Deposits (B2)Hydrogen Sulfide Odor (C1)Saturation Visible on Aerial Imagery (C3)Drift Deposits (B3)Oxidized Rhizospheres on Living Roots (C3)X Geomorphic Position (D2)Algal Mat or Crust (B4)Presence of Reduced Iron (C4)Shallow Aquitard (D3)Iron Deposits (B5)Recent Iron Reduction in Tilled Soils (C6)X FAC-Neutral Test (D5)Surface Soil Cracks (B6)Stunted or Stressed Plants (D1) (LRR A)Raised Ant Mounds (D6) (LRR A)Inundation Visible on Aerial Imagery (B7)Other (Explain in Remarks)Frost-Heave Hummocks (D7)Sparsely Vegetated Concave Surface (B8)Field Observations:Surface Water Present?YesNoDepth (inches):Water Table Present?YesXNoDepth (inches):Saturation Present?YesXNoDepth (inches):Wetland Hydrology Present? YesXNo(includes capillary fringe)Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	-	•	•			ives (B9)	(excep	t	-	•	
X Water Marks (B1)	X High Wat	er Table (A2)								•	, ,
Sediment Deposits (B2)				Salt Crust	(B11)	•			Drainag	e Patterns (B10)	
Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Yes X No Depth (inches): Water Table Present? Yes X No Depth (inches): Saturation Present? Yes X No Depth (inches): Oxidized Rhizospheres on Living Roots (C3) X Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) Frost-Heave Hummocks (D7) Wetland Hydrology Present? Yes X No (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	X Water Ma	arks (B1)		Aquatic In	vertebra	tes (B13)			Dry-Sea	ison Water Table (C2)
Algal Mat or Crust (B4)	Sediment	Deposits (B2)		Hydrogen	Sulfide (Odor (C1))		Saturati	on Visible on Aeria	l Imagery (C9)
Iron Deposits (B5) Recent Iron Reduction in Tilled Soils (C6) X FAC-Neutral Test (D5) Surface Soil Cracks (B6) Stunted or Stressed Plants (D1) (LRR A) Raised Ant Mounds (D6) (LRR A) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Frost-Heave Hummocks (D7) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Yes No Depth (inches): Water Table Present? Yes X No Depth (inches): Saturation Present? Yes X No Depth (inches): Other (Explain in Remarks) Frost-Heave Hummocks (D7) Field Observations: Water Table Present? Yes X No Depth (inches): Other (Explain in Remarks) Frost-Heave Hummocks (D7) Foot-Heave Hummocks	Drift Depo	osits (B3)		Oxidized F	Rhizosph	eres on L	iving R	oots (C3)	X Geomor	phic Position (D2)	
Surface Soil Cracks (B6) Stunted or Stressed Plants (D1) (LRR A) Raised Ant Mounds (D6) (LRR A) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Frost-Heave Hummocks (D7) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Yes No X Depth (inches): Water Table Present? Yes X No Depth (inches): 8 Saturation Present? Yes X No Depth (inches): 0 Wetland Hydrology Present? Yes X No (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:						,	,				
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Frost-Heave Hummocks (D7) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Yes No X Depth (inches): Water Table Present? Yes X No Depth (inches): 8 Saturation Present? Yes X No Depth (inches): 0 Wetland Hydrology Present? Yes X No (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:											
Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Yes No X Depth (inches):		,	(==)				(D1) (LI	RR A)			•
Field Observations: Surface Water Present? Yes No X Depth (inches): Water Table Present? Yes X No Depth (inches): 8 Saturation Present? Yes X No Depth (inches): 0 Wetland Hydrology Present? Yes X No (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:			0,1,		olain in F	Remarks)			Frost-He	eave Hummocks (I	07)
Surface Water Present? Yes No X Depth (inches): Water Table Present? Yes X No Depth (inches): Saturation Present? Yes X No Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:			e Surface (Ba	8) 							
Water Table Present? Yes X No Depth (inches): 8 Saturation Present? Yes X No Depth (inches): 0 Wetland Hydrology Present? Yes X No (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:				N. V	D (1 (
Saturation Present? Yes X No Depth (inches): 0 Wetland Hydrology Present? Yes X No (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:						′ -					
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:					. ,	′ =		Motto	d Uvdralam	Drocont? Ves	y Na
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:			-S	INO	Debtu (ו	inches): _	U	vvetian	iu nyurology	rieseiit? fes_	^ NO
			aguae mor	nitoring well aeria	l nhotos	previous	inenec	tions) if av	ailahla:		
Remarks:	Describe Kec	orueu Data (Stream	ı yauye, IIIOI	morning well, aeria	ıı priotos	, previous	, iiishec	nions), II av	aliavit.		
	Remarks:										

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Project/Site: Post Creek Hill - US 93	City/Counf	ty: Lake	Sampling Da	ate: <u>9-18-2024</u>
Applicant/Owner: MDT		State:	MT Sampling Po	oint: WDP-3-24(1)
Investigator(s): B.Cline, F.Doty	Section, To	ownship, Range: S26 19	N R20W	
Landform (hillside, terrace, etc.): field	Local relief (cor	ncave, convex, none): _c	oncave	Slope (%): 0-5
Subregion (LRR/MLRA): LRR E, MLRA 44A L	_at:47.384448	B Long: <u>-114.09</u>	97386 Date	um: NAD83
Soil Map Unit Name: Ronan silty clay loam, 0 to 2 percent	slopes	1	NWI classification: PEM1	С
Are climatic / hydrologic conditions on the site typical for the	nis time of year? Y	'es X No	(If no, explain in Remark	s.)
Are Vegetation, Soil, or Hydrologysign	nificantly disturbed? Ar	e "Normal Circumstances	" present? Yes	No
Are Vegetation, Soil, or Hydrologynatu	urally problematic? (If	needed, explain any ansv	wers in Remarks.)	
SUMMARY OF FINDINGS – Attach site map	showing sampling	point locations, tra	ansects, important	features, etc.
Hydrophytic Vegetation Present? Yes X No	Is the	Sampled Area		
Hydric Soil Present? Yes X No	within	a Wetland?	Yes X No	
Wetland Hydrology Present? Yes X No				
Remarks:				
VEGETATION – Use scientific names of plar				
<u> </u>		Indicator		
	% Cover Species?		e Test worksheet:	
1			Dominant Species That	
2			ACW, or FAC:	(A)
3		Total Numb	er of Dominant Species	2 (B)
4	=Total Cover		otrata. Dominant Species That	(D)
Sapling/Shrub Stratum (Plot size: 30')			ACW, or FAC:	100.0% (A/B)
1			•	
2			Index worksheet:	
3				Itiply by:
4		OBL specie FACW spec		90 0
J	=Total Cover	FAC specie		0
Herb Stratum (Plot size: 30')		FACU spec		0
1. Eleocharis palustris	40 Yes	OBL UPL specie	s 0 x 5 =	0
2. Carex nebrascensis	50 Yes	OBL Column Tot		90 (B)
3		Prevaler	nce Index = B/A =	1.00
4 <u></u>		Hydronhyti	c Vegetation Indicators	
			id Test for Hydrophytic V	
7.			ninance Test is >50%	-9
8.		X 3 - Prev	valence Index is ≤3.0 ¹	
9.			ohological Adaptations ¹ (P	
10			in Remarks or on a sepa	· ·
11			land Non-Vascular Plants	
Woody Vine Stratum (Plot size: 30')	90 =Total Cover	1 	natic Hydrophytic Vegeta	` ' '
1			of hydric soil and wetland unless disturbed or probl	
2.		Hydrophyti	·	
	=Total Cover	Vegetation		
% Bare Ground in Herb Stratum		Present?	Yes X No	
Remarks:				

SOIL Sampling Point: WDP-3-24(1)

	ription: (Describe	to the depth				tor or c	confirm the	absence o	f indicators	5.)	
Depth	Matrix			x Featur		. 2					
(inches)	Color (moist)	<u>%</u>	Color (moist)	%	Type ¹	Loc ²		ture		Remarks	
0-2	10YR 3/2	100					Loamy	/Clayey		roots present	
2-4	10YR 3/2	100					Loamy	/Clayey			
4-16	10YR 4/1	98	10YR 5/6	2	C	PL	Loamy	/Clayey	Promine	nt redox conce	entrations
								,			
			_				-				
1Type: C=Ce	noontration D-Don	otion DM-E	Poducod Matrix C	S=Cov	rod or Co	oted S	and Crains	21 000	tion: DI -Do	ro Lining M-M	Actrix
	ncentration, D=Deploration					baled S	and Grains.			ore Lining, M=Nematic Hydric	
Histosol		DIE LO AII LI	Sandy Gle						Muck (A10)	-	Jons .
	oipedon (A2)		Sandy Red							Masses (F12)	LRR D)
Black His			Stripped M						arent Mater		
	n Sulfide (A4)		Loamy Mu	`	,	except	MLRA 1)			k Surface (F22	<u>'</u>)
	ck (A9) (LRR D, G)		Loamy Gle	-		•	,		(Explain in I	-	,
	Below Dark Surface	(A11)	Depleted N							,	
Thick Da	rk Surface (A12)		Redox Dar	k Surfac	ce (F6)			³ Indicators	of hydroph	ytic vegetation	and
Sandy M	lucky Mineral (S1)		Depleted D	ark Sur	face (F7)			wetlar	nd hydrology	must be pres	ent,
2.5 cm M	lucky Peat or Peat (62) (LRR G)	Redox Dep	ression	s (F8)			unless	s disturbed o	or problematic	
Restrictive L	ayer (if observed):										
Type:			<u></u>								
Depth (ir	nches):		<u></u>				Hydric S	oil Present	?	Yes X	No
Remarks:											
HYDROLO											
_	drology Indicators:										
	cators (minimum of o	ne is require								(2 or more req	
	Water (A1)		X Water-Stai		` '	(excep	t			aves (B9) (ML	RA 1, 2
	ter Table (A2)				, and 4B)				, and 4B)	(D40)	
Saturatio			Salt Crust		too (D12)				age Patterns		
	arks (B1) it Deposits (B2)		Aquatic Inv Hydrogen S							r Table (C2) on Aerial Ima	gon/ (C0)
	osits (B3)		X Oxidized R		, ,		nots (C3)		orphic Posit		gery (Ca)
	t or Crust (B4)		Presence of			•	000		w Aquitard	, ,	
	osits (B5)		Recent Iro				ls (C6)		Neutral Test	` '	
	Soil Cracks (B6)		Stunted or				` ,			ds (D6) (LRR A	A)
Inundatio	on Visible on Aerial I	magery (B7)	Other (Exp	lain in F	Remarks)		•	Frost-	Heave Hum	mocks (D7)	
Sparsely	Vegetated Concave	Surface (B8	3)								
Field Observ	vations:										
Surface Water	er Present? Ye	s	No x	Depth (i	nches):						
Water Table	Present? Ye	s	No x	Depth (i	nches):						
Saturation Pr	resent? Ye	s	No <u>x</u>	Depth (i	inches):		Wetlan	d Hydrolog	y Present?	Yes X	No
(includes cap						_					
Describe Red	corded Data (stream	gauge, mon	itoring well, aerial	photos	, previous	inspec	ctions), if av	ailable:			
Remarks											
Remarks:											

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Project/Site: Post Creek Hill - US 93		City/Cour	nty: Lake		Sampling Date:	9-18-2024
Applicant/Owner: MDT			•	State: MT	Sampling Point:	WDP-3-24(2)
Investigator(s): B.Cline, F.Doty		Section, T	ownship, Ra	nge: S26 T19N R20W		
Landform (hillside, terrace, etc.): roadside ditch		Local relief (co	oncave, conv	vex, none): concave	Slop	pe (%): 0-5
Subregion (LRR/MLRA): LRR E, MLRA 44A	Lat:	47.38443	80 I	ong: 114.097057	Datum:	NAD83
Soil Map Unit Name: Ronan silty clay loam, 0 to 2 pe	ercent slopes			NWI classif	ication: PEM1C	-
Are climatic / hydrologic conditions on the site typical	I for this time o	f year?	Yes X	No (If no, exp	olain in Remarks.)	
Are Vegetation, Soil, or Hydrology	significantly					3
Are Vegetation, Soil, or Hydrology						
SUMMARY OF FINDINGS – Attach site r						tures, etc.
Hydrophytic Vegetation Present? Yes X	No	Is the	Sampled A	rea		
Hydric Soil Present? Yes X	No	withi	n a Wetland	? Yes X	No	
Wetland Hydrology Present? Yes X	No					
Remarks:						
VEGETATION – Use scientific names of	-					
<u>Tree Stratum</u> (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test wor	ksheet:	
1.				Number of Dominant S	•	
2.				Are OBL, FACW, or F.		2 (A)
4.				Total Number of Domi Across All Strata:	nant Species	2 (B)
•		=Total Cover		Percent of Dominant S	Species That	
Sapling/Shrub Stratum (Plot size: 30'	_)			Are OBL, FACW, or F.	AC: <u>10</u>	0.0% (A/B)
2.				Prevalence Index wo	rksheet:	
3.	_			Total % Cover of		/ by:
4.				OBL species 50	0 x 1 =	50
5.				FACW species 1		20
		=Total Cover		FAC species1		30
Herb Stratum (Plot size: 30')	00	V	ODI	FACU species 0		0
 Typha latifolia Carex nebrascensis 		Yes	OBL	UPL species 0 Column Totals: 70		0 100 (B)
Carex riebrascensis Mentha arvensis	10	Yes No	OBL FACW	Prevalence Index		
4.		140	TACV	Trevalence index	- D/A - 1.40	<u>, </u>
5. Dipsacus fullonum	10	No	FAC	Hydrophytic Vegetati	ion Indicators:	
6.				1 - Rapid Test for	Hydrophytic Vegeta	ation
7.				X 2 - Dominance Te	st is >50%	
8				X 3 - Prevalence Inc	lex is ≤3.0 ¹	
9					Adaptations ¹ (Provid	
10					s or on a separate	sheet)
11				5 - Wetland Non-\		<i>(</i> =)
Waadu Vina Chahum (Dlahaina 201		=Total Cover		-	ophytic Vegetation ¹	` ' '
Woody Vine Stratum (Plot size: 30'	_, 			¹ Indicators of hydric so be present, unless dis		
2.				Hydrophytic		
% Bare Ground in Herb Stratum		=Total Cover		Vegetation Present? Yes	X No	
Remarks:				-		
nomano.						

SOIL Sampling Point: WDP-3-24(2)

Profile Desc	ription: (Describe	to the depth	needed to doc	ument th	ne indica	tor or c	onfirm the	absence of i	indicators.)	
Depth	Matrix		Redo	x Featur	es					
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Tex	ture	Rem	arks
0-4	10YR 5/1	100					Loamy	/Clayey	Roots p	present
4-16	10YR 5/1	100	_				Loamy	/Clayey		
	,									-
<u> </u>	•									
							1			
¹ Type: C=Co	oncentration, D=Dep	etion, RM=R	educed Matrix, C	CS=Cove	ered or Co	ated S	and Grains.	² Locatio	on: PL=Pore Linin	g, M=Matrix.
Hydric Soil I	ndicators: (Applica	ble to all LR	Rs, unless other	erwise n	oted.)			Indicators	for Problematic H	lydric Soils³:
Histosol	(A1)		Sandy Gle	yed Mat	rix (S4)			2 cm M	uck (A10) (LRR A	, E)
Histic Ep	ipedon (A2)		Sandy Red	dox (S5)				Iron-Ma	inganese Masses	(F12) (LRR D)
Black His	stic (A3)		Stripped M	1atrix (S6	3)			Red Pa	rent Material (F21)
Hydroge	n Sulfide (A4)		Loamy Mu			except	MLRA 1)	Very Sh	nallow Dark Surfac	e (F22)
1 cm Mu	ck (A9) (LRR D, G)		Loamy Gle	eyed Mat	trix (F2)			Other (Explain in Remark	s)
l ——	Below Dark Surface	e (A11)	X Depleted I					2		
	rk Surface (A12)		Redox Da		, ,				of hydrophytic veg	
· ·	lucky Mineral (S1)		Depleted [. ,				I hydrology must b	
2.5 cm M	lucky Peat or Peat (S2) (LRR G)	Redox De	pression	s (F8)			unless	disturbed or proble	ematic.
Restrictive L	_ayer (if observed):									
Type: _			_							
Depth (ir	nches):		_				Hydric S	oil Present?	Yes	X No
Remarks:										
HYDROLO	CV									
_	drology Indicators:									
_	cators (minimum of o	ne is required			(DO)	/		-	Indicators (2 or mo	
x Surface	` '		Water-Sta			(exceb	t		Stained Leaves (B	9) (MLRA 1, 2
	ter Table (A2)				and 4B)			•	and 4B)	
Saturatio			Salt Crust Aquatic In		too (D12)				ge Patterns (B10)	(C2)
	arks (B1) it Deposits (B2)		Hydrogen		, ,				ason Water Table ion Visible on Aeri	
	osits (B3)		Oxidized F				oots (C3)		rphic Position (D2	• • • •
	t or Crust (B4)		Presence			-	0013 (03)		Aquitard (D3))
	osits (B5)		Recent Iro				s (C6)		eutral Test (D5)	
	Soil Cracks (B6)		Stunted or				, ,		Ant Mounds (D6)	(LRR A)
	on Visible on Aerial I	magery (B7)	Other (Exp			(5 .) (=.			eave Hummocks	
	Vegetated Concave				,					,
Field Observ			,							
Surface Water		s x	No	Depth (i	nches):	4				
Water Table			No X	Depth (i	· -					
Saturation Pr	resent? Ye	s	No X	Depth (i			Wetlan	d Hydrology	Present? Yes	X No
(includes cap					· -				-	
Describe Red	corded Data (stream	gauge, moni	toring well, aeria	l photos,	, previous	inspec	tions), if av	ailable:		
Remarks:										

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Project/Site: Post Creek Hill - US 93		City/Cour	nty: Lake	Sampling Date:	9-18-2024	
Applicant/Owner: MDT				State: MT	Sampling Point:	WDP-3-24(3)
Investigator(s): B.Cline, F.Doty		Section, T	ownship, Ra	inge: S26 19N R20W		
Landform (hillside, terrace, etc.): field		 Local relief (co	oncave, conv	vex, none): concave	Slop	oe (%): 0-5
Subregion (LRR/MLRA): LRR E, MLRA 44A	Lat:	47.37989	3	 Long: -114.097234	Datum:	NAD83
Soil Map Unit Name: Ronan silty clay loam, 2 to 4 pe	ercent slopes			NWI classi	fication: none	,
Are climatic / hydrologic conditions on the site typica	I for this time o	f year?	Yes X	No (If no, exp	olain in Remarks.)	
Are Vegetation, Soil, or Hydrology	significantly of	disturbed? A	re "Normal (Circumstances" present?	Yes No)
Are Vegetation, Soil, or Hydrology					' <u></u>	
SUMMARY OF FINDINGS – Attach site r	– nap showin	ng samplin	g point lo	cations, transects,	important feat	ures, etc.
Hydric Soil Present? Yes X	No No		Sampled A		No	
Remarks:						
VEGETATION – Use scientific names of	Absolute	Dominant	Indicator			
Tree Stratum (Plot size: 30')	% Cover	Species?	Status	Dominance Test wor	rksheet:	
1.				Number of Dominant	•	
2.				Are OBL, FACW, or F		2 (A)
4.	_			Total Number of Dom Across All Strata:	inant Species	2 (B)
		=Total Cover		Percent of Dominant S	Species That	(-/
Sapling/Shrub Stratum (Plot size: 30'	_)			Are OBL, FACW, or F	•	0.0% (A/B)
2.				Prevalence Index wo		
3.				Total % Cover of		
4 5.					0 x 1 =	70 0
J		=Total Cover		· —		30
Herb Stratum (Plot size: 30')) x 4 =	0
1. Typha latifolia	25	Yes	OBL	UPL species () x 5 =	0
2. Carex nebrascensis	30	Yes	OBL		`	(B)
3. Barbarea vulgaris 4.	10	No	FAC	Prevalence Index	= B/A = <u>1.25</u>	<u> </u>
5. Eleocharis palustris	15	No	OBL	Hydrophytic Vegetat	ion Indicators:	
6.					Hydrophytic Vegeta	ation
7.				X 2 - Dominance Te		
8.				X 3 - Prevalence Inc	dex is ≤3.0 ' Adaptations¹(Provic	
9				· —	s or on a separate	
11.				5 - Wetland Non-\	Vascular Plants ¹	,
	80	=Total Cover		Problematic Hydro	ophytic Vegetation ¹	(Explain)
Woody Vine Stratum (Plot size: 30'	_)			¹ Indicators of hydric so be present, unless dis		
2.				Hydrophytic		
% Bare Ground in Herb Stratum		=Total Cover		Vegetation Present? Yes	No	
Remarks:						

SOIL Sampling Point: WDP-3-24(3)

Profile Desc	ription: (Describe	to the depth	needed to doci	ument th	ne indica	tor or o	confirm the	absence of	f indicators.)		
Depth	Matrix		Redo	x Featur	es						
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Tex	ture		Remarks	
0-5	2.5Y 3/1	100	_						ro	ots present	
5-16	2.5Y 4/2	94	2.5Y 5/4	6	С	М	Loamy	/Clayey	Distinct re	dox concent	trations
¹Type: C=Co	oncentration, D=Dep	letion RM=R	educed Matrix C	CS=Cove	ered or Co	ated S	and Grains	² l ocat	ion: PL=Pore	Lining M=M	latrix
	Indicators: (Applica					outou o	and Oramo.		for Problema		
Histosol			Sandy Gle						Muck (A10) (LF	-	
	pipedon (A2)		Sandy Red	-					langanese Mas		LRR D)
Black Hi			Stripped M	, ,					arent Material		
	n Sulfide (A4)		Loamy Mu	`	,	except	MLRA 1)		Shallow Dark S	' ')
I — ' "	ick (A9) (LRR D, G)		Loamy Gle	-		,,	,		(Explain in Re	` '	•
	Below Dark Surfac	e (A11)	X Depleted N	•	, ,				` '	,	
	ark Surface (A12)	,	Redox Dai	-				³ Indicators	of hydrophytic	vegetation	and
	lucky Mineral (S1)		Depleted [Dark Sur	face (F7)				nd hydrology m	-	
	/Jucky Peat or Peat (S2) (LRR G)			. ,				disturbed or p		•
	Layer (if observed):				. ,				<u>.</u>		
Type:	-ayo: (oboo: vou).										
Depth (ir	nches):		_				Hvdric S	oil Present?	?	Yes X	No
Remarks:			_				•				
Nomano.											
HYDROLO	GY.										
_	drology Indicators:		d. alaada all 46 a4					C	. In dia atama (O		.:
	cators (minimum of o Water (A1)	ne is require			(DO)	/ov.com		-	/ Indicators (2 o		
	iter Table (A2)		Water-Sta			(excep	ı		-Stained Leave , and 4B)	98 (D9) (IVILI	KA 1, 2
x Saturation	` '		Salt Crust		and 4B)				, anu 46) age Patterns (B	210)	
	arks (B1)		Aquatic In	, ,	tos (R13)				eason Water T	-	
	nt Deposits (B2)		Hydrogen						ation Visible on		ery (C9)
	posits (B3)		Oxidized F		` ,		oots (C3)		orphic Position	_	(OO)
	it or Crust (B4)		Presence			-	(00)		w Aquitard (D3		
	osits (B5)		Recent Iro		•		ls (C6)		Neutral Test (D	•	
	Soil Cracks (B6)		Stunted or				` '		d Ant Mounds	-	١)
	on Visible on Aerial I	magery (B7)	Other (Exp			, , ,	,		Heave Hummo	. , .	,
	Vegetated Concave				,					` ,	
Field Obser	vations:	•	•								
Surface Wat		es	No x	Depth (i	nches):						
Water Table				Depth (i	· -	9					
Saturation P	resent? Ye	es X	No	Depth (i	· -	0	Wetlan	d Hydrolog	y Present?	Yes X	No
(includes cap	oillary fringe)				_				-		
Describe Re	corded Data (stream	gauge, mon	itoring well, aeria	l photos	, previous	inspec	ctions), if av	ailable:			
Remarks:											
I											

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Project/Site: Post Creek Hill - US 93		City/Cour	nty: Lake		Sampling Date:	9-18-2024
Applicant/Owner: MDT				State: MT	Sampling Point:	WDP-4A-24
Investigator(s): B.Cline, F.Doty		Section, T	ownship, Ra	nge: S24 T19N R20W		
Landform (hillside, terrace, etc.): riparian		Local relief (co	oncave, conv	ex, none): concave	Slop	pe (%): <u>0-5</u>
Subregion (LRR/MLRA): LRR E, MLRA 44A	Lat:	47.38699	4 L	ong: -114.096599	 Datum:	NAD93
Soil Map Unit Name: Ronan silty clay loam, 2 to 4 perc	ent slopes			NWI classit	ication: PEM1C	
Are climatic / hydrologic conditions on the site typical fo	or this time o	f year?	Yes X	No (If no, exp	olain in Remarks.)	
Are Vegetation, Soil, or Hydrologys	significantly of	disturbed? A	re "Normal C	Circumstances" present?	Yes X No	o
Are Vegetation , Soil , or Hydrology r				plain any answers in Rei	· 	
SUMMARY OF FINDINGS – Attach site ma			g point lo	cations, transects,	important feat	tures, etc.
Hydrophytic Vegetation Present? Yes X No)	Is the	Sampled A	rea		
		withi	n a Wetland	? Yes X	No	
Wetland Hydrology Present? Yes X No	<u> </u>					
Remarks:						
VECETATION . He exicatific names of a	lonto					
VEGETATION – Use scientific names of p	Absolute	Dominant	Indicator			
Tree Stratum (Plot size: 30')	% Cover		Status	Dominance Test wor	ksheet:	
1				Number of Dominant	Species That	
2				Are OBL, FACW, or F	AC:	3 (A)
3.				Total Number of Domi	nant Species	2 (D)
4.		=Total Cover		Across All Strata:		3 (B)
Sapling/Shrub Stratum (Plot size: 30')		Total Gover		Percent of Dominant S Are OBL, FACW, or F	•	0.0% (A/B)
1.				, ,		` ′
2.				Prevalence Index wo	rksheet:	
3				Total % Cover of		
4				· —		55
5		=Total Cover		· —	5 x 2 = x 3 =	0
Herb Stratum (Plot size: 30')		- Total Govel		FACU species (0
1. Lemna minor	30	Yes	OBL	UPL species (0
2. Typha latifolia	25	Yes	OBL		0 (A)	85 (B)
3. Polygonum lapathifolium	15	Yes	FACW	Prevalence Index	= B/A = 1.21	<u> </u>
4.						
5.				Hydrophytic Vegetat		ation
6 7.	·			X 2 - Dominance Te	Hydrophytic Vegeta	auon
7. 8.				X 3 - Prevalence Inc		
9.					Adaptations ¹ (Provid	de supportina
10.					s or on a separate	
11.				5 - Wetland Non-	/ascular Plants ¹	
	70	=Total Cover		Problematic Hydro	ophytic Vegetation ¹	(Explain)
Woody Vine Stratum (Plot size: 30')				¹ Indicators of hydric so		
1.				be present, unless dis	turbed or problema	tic.
2		=Total Cover		Hydrophytic		
% Bare Ground in Herb Stratum		- rotal Cover		Vegetation Present? Yes	X No	
Remarks:						
iveniains.						

SOIL Sampling Point: WDP-4A-24

Profile Des	cription: (Describe	to the depth	needed to docu	ıment th	ne indica	tor or o	confirm the	absence o	of indicators.)
Depth	Matrix		Redox	x Featur	es				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Tex	ture	Remarks
0-4	10YR 4/2	100					Loamy	/Clayey	roots present
4-16	10YR 4/2	90	10YR 5/4	10	С	М	Loamy	/Clayey	Distinct redox concentrations
								<u> </u>	
	-								
									-
¹ Type: C=C	oncentration, D=Dep	letion, RM=R	Reduced Matrix, C	S=Cove	red or Co	ated S	and Grains.	² Loca	ation: PL=Pore Lining, M=Matrix.
Hydric Soil	Indicators: (Applica	ble to all LF	RRs, unless othe	rwise n	oted.)			Indicator	s for Problematic Hydric Soils ³ :
Histosol	I (A1)		Sandy Gle	yed Mat	rix (S4)			2 cm	Muck (A10) (LRR A, E)
Histic E	pipedon (A2)		Sandy Red	lox (S5)				Iron-l	Manganese Masses (F12) (LRR D)
Black H	istic (A3)		Stripped M	atrix (S6	6)			Red I	Parent Material (F21)
Hydroge	en Sulfide (A4)		Loamy Mu	cky Mine	eral (F1) (except	MLRA 1)	Very	Shallow Dark Surface (F22)
1 cm Mu	uck (A9) (LRR D, G)		Loamy Gle	yed Mat	rix (F2)			Other	r (Explain in Remarks)
	d Below Dark Surface	e (A11)	X Depleted M	/latrix (F	3)				
Thick D	ark Surface (A12)		Redox Dar	k Surfac	e (F6)				s of hydrophytic vegetation and
Sandy N	Mucky Mineral (S1)		Depleted D	ark Sur	face (F7)			wetla	nd hydrology must be present,
2.5 cm l	Mucky Peat or Peat (S2) (LRR G)	Redox Dep	ression	s (F8)			unles	s disturbed or problematic.
Restrictive	Layer (if observed):								
Type:			<u> </u>						
Depth (i	nches):						Hydric So	oil Present	? Yes X No No
Remarks:									
HYDROLO	OGY								
Wetland Hy	drology Indicators:								
Primary Indi	cators (minimum of o	ne is require	d; check all that a	apply)					y Indicators (2 or more required)
	Water (A1)		Water-Stai	ned Lea	ves (B9)	(excep	t		er-Stained Leaves (B9) (MLRA 1, 2
	ater Table (A2)				and 4B)				A, and 4B)
X Saturati			Salt Crust						age Patterns (B10)
	Marks (B1)		Aquatic Inv						Season Water Table (C2)
	nt Deposits (B2)		Hydrogen S				(00)		ration Visible on Aerial Imagery (C9)
X Drift De			Oxidized R			-	.oots (C3)		norphic Position (D2)
	at or Crust (B4)		Presence of Recent Iron				lo (CG)		ow Aquitard (D3)
	oosits (B5) Soil Cracks (B6)						` '		Neutral Test (D5)
	ion Visible on Aerial I	magery (R7)	Stunted or Other (Exp			(D1) (L 1	KK A)		ed Ant Mounds (D6) (LRR A) -Heave Hummocks (D7)
	y Vegetated Concave			iaiii iii iv	emarks)				-rieave riummocks (Dr)
Field Obser		Canace (Be	·)				1		
Surface Wa		s x	No	Depth (i	nches).	6			
Water Table				Depth (i	· -				
Saturation P				Depth (i		0	Wetlan	d Hydrolog	gy Present? Yes X No
	pillary fringe)	<u> </u>		- (.			1100.00.	,	<u></u>
	ecorded Data (stream	gauge, mon	itoring well, aerial	photos,	previous	inspec	tions), if ava	ailable:	
	·					-			
Remarks:									

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Project/Site: Post Creek Hill - US 93		City/Cour	nty: Lake		Sampling Date:	8-7-2024
Applicant/Owner: MDT				State: MT	Sampling Point:	WDP-4B-24
Investigator(s): B.Cline, F.Doty		Section, T	ownship, Rar	nge: S24 T19N R20W	<u>.</u>	
Landform (hillside, terrace, etc.): forested riparian		Local relief (co	oncave, conve	ex, none): concave	Slo	pe (%): 0-5
Subregion (LRR/MLRA): LRR E, MLRA 44A				ong: -114.096512		NAD83
Soil Map Unit Name: Ronan silty clay loam, 2 to 4 per					ification: PEM1C	
Are climatic / hydrologic conditions on the site typical f	or this time o	of year?	Yes X	No (If no, ex	plain in Remarks.)	
Are Vegetation, Soil, or Hydrology	significantly			ircumstances" present?		lo
Are Vegetation, Soil, or Hydrology				olain any answers in Re		
SUMMARY OF FINDINGS – Attach site m				-	•	tures, etc.
Hydrophytic Vegetation Present? Yes X N	lo	Is the	Sampled Ar	93		
	0		n a Wetland?		No	
	0					
Remarks: Palustrine forested wetland						
Palustime lorested wetland						
VEGETATION – Use scientific names of p	olants.				-	
Tara Obraham (Distratory 201	Absolute	Dominant	Indicator	D		
<u>Tree Stratum</u> (Plot size: <u>30'</u>) 1. Populus balsamifera	% Cover 15	Species? Yes	Status FAC	Dominance Test wo		
Salix amygdaloides	15	Yes	FACW	Number of Dominant Are OBL, FACW, or	•	4 (A)
3.				Total Number of Don		` ′
4.				Across All Strata:	· <u>—</u>	4 (B)
	30	=Total Cover		Percent of Dominant	•	
Sapling/Shrub Stratum (Plot size: 30')			Are OBL, FACW, or	FAC: <u>10</u>	00.0% (A/B)
1. 2.				Prevalence Index w	orksheet:	
3.				Total % Cover of		y by:
4.				OBL species	80 x 1 =	80
5.					25 x 2 =	50
		=Total Cover		· -	15 x 3 =	45
Herb Stratum (Plot size: 30')	40	.,	ODI	· —	0 x 4 =	0
Typha latifolia Schoenoplectus tabernaemontani	40 30	Yes Yes	OBL OBL	UPL species Column Totals: 1	$0 \times 5 = $	0 175 (B)
Scriberiopiectus tabernaemoniani Persicaria lapathifolia	10	No	FACW	Prevalence Index		
Salvinia minima	10	No	OBL	1 Totaloneo maox		
5.				Hydrophytic Vegeta	tion Indicators:	
6.				1 - Rapid Test fo	r Hydrophytic Veget	ation
7				X 2 - Dominance T		
8				X 3 - Prevalence In		
9.					l Adaptations ¹ (Provi ks or on a separate	
10				5 - Wetland Non-	•	Sileet)
11	90	=Total Cover			rophytic Vegetation	¹ (Explain)
Woody Vine Stratum (Plot size: 30')			¹ Indicators of hydric s		
1.				be present, unless di		
2.				Hydrophytic		
W. Bone Organish Horte Ott	-	=Total Cover		Vegetation		
% Bare Ground in Herb Stratum				Present? Yes	<u> </u>	
Remarks:						

SOIL Sampling Point: WDP-4B-24

Profile Descri	iption: (Describe t Matrix	to the depth		iment th x Featur		tor or o	confirm the a	bsence of	indicators.)		
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Textu	re		Remarks	
0-4	10YR 4/2	100					Loamy/C				
4-16	10YR 4/2	90	10YR 5/4	10	С	M	Loamy/C		Distinct r	edox concen	rations
4-10	10111 4/2	90	10110 3/4			IVI	Loanly/C	layey	DISTILICE	edox concen	iations
								-			_
 -											
							•				
¹ Type: C=Cor	ncentration, D=Depl	etion, RM=F	Reduced Matrix, C	S=Cove	red or Co	oated S	and Grains.	² Locati	on: PL=Pore	Lining, M=N	latrix.
Hydric Soil In	dicators: (Applica	ble to all Li	RRs, unless othe	rwise n	oted.)			ndicators	for Problem	atic Hydric	Soils ³ :
Histosol (A	A1)		Sandy Gle	yed Matı	ix (S4)			2 cm N	/luck (A10) (L	.RR A, E)	
Histic Epip	pedon (A2)		Sandy Red	lox (S5)			_	Iron-M	anganese Ma	asses (F12) (I	LRR D)
Black Hist	tic (A3)		Stripped M	atrix (S6	5)		<u>-</u>	Red Pa	arent Materia	l (F21)	
Hydrogen	Sulfide (A4)		Loamy Mu	cky Mine	eral (F1) ((except	MLRA 1)	Very S	hallow Dark	Surface (F22))
1 cm Mucl	k (A9) (LRR D, G)		Loamy Gle	yed Mat	rix (F2)		_	Other ((Explain in Re	emarks)	
Depleted I	Below Dark Surface	(A11)	X Depleted N	/latrix (F	3)						
Thick Dark	k Surface (A12)		Redox Dar	k Surfac	e (F6)		3			ic vegetation	
Sandy Mu	icky Mineral (S1)		Depleted D	ark Surf	face (F7)			wetlan	d hydrology n	nust be prese	ent,
2.5 cm Mu	ucky Peat or Peat (S	S2) (LRR G)	Redox Dep	ressions	s (F8)			unless	disturbed or	problematic.	
Restrictive La	ayer (if observed):										
Type:			_								
Depth (inc	ches):						Hydric Soil	Present?)	Yes X	No
Remarks:											
HYDROLOG	 GY										
	rology Indicators:										
_	ators (minimum of o	ne is reauire	ed: check all that a	(vlage			;	Secondary	Indicators (2	or more requ	uired)
X Surface W	•	•	Water-Stai		ves (B9)	(excep		-		es (B9) (ML F	
X High Wate	` '				and 4B)		-		and 4B)	() (•
X Saturation			Salt Crust		,			Draina	ge Patterns (B10)	
Water Ma	rks (B1)		Aquatic Inv	ertebrat	es (B13)		_		ason Water		
Sediment	Deposits (B2)		Hydrogen	Sulfide C	Odor (C1))	_	Satura	tion Visible o	n Aerial Imag	ery (C9)
Drift Depo	sits (B3)		Oxidized R	hizosph	eres on L	iving R	oots (C3)	X Geomo	orphic Positio	n (D2)	
Algal Mat	or Crust (B4)		Presence	of Reduc	ed Iron (C4)	_	Shallov	w Aquitard (D	03)	
Iron Depos	sits (B5)		Recent Iro				` '	X FAC-N	leutral Test ([D5)	
	oil Cracks (B6)		Stunted or			(D1) (Li	RR A)			(D6) (LRR A	7)
	n Visible on Aerial Ir	0 , ,		lain in R	emarks)		_	Frost-l	Heave Humm	ocks (D7)	
Sparsely \	Vegetated Concave	Surface (B	3)								
Field Observa											
Surface Water				Depth (i	· -	8					
Water Table P				Depth (i	′ –	0					
Saturation Pre		s_X_	No	Depth (i	nches): _	0	Wetland	Hydrology	/ Present?	Yes X	No
(includes capil							41 > 16 11	-1-1			
Describe Reco	orded Data (stream	gauge, mor	iitoring well, aeria	pnotos,	previous	sinspec	uons), it avail	able:			
Remarks:											

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Project/Site: Post Creek Hill - US 93		City/Cou	nty: Lake		Sampling Date	e: <u>9-18-2024</u>
Applicant/Owner: MDT		_		State: MT	Sampling Poir	nt: WDP-4C-24
Investigator(s): B.Cline, F.Doty		Section, T	ownship, Ra	nge: S23 T19N R20\	N	
Landform (hillside, terrace, etc.): riparian		Local relief (co	oncave, conv	ex, none): concave	S	Slope (%): 0-5
Subregion (LRR/MLRA): LRR E, MLRA 44A	Lat:	47.38718	37 L	ong: -114.097247	Datun	n: NAD83
Soil Map Unit Name: Ronan silty clay loam, 2 to 4 p	percent slopes			NWI clas	sification: PEM1C	
Are climatic / hydrologic conditions on the site typic	al for this time o	f year?	Yes X	No (If no, e	explain in Remarks.	.)
Are Vegetation, Soil, or Hydrology	significantly	disturbed? A	re "Normal (Circumstances" presen	t? Yes	No
Are Vegetation , Soil , or Hydrology						
SUMMARY OF FINDINGS – Attach site						atures, etc.
Hydrophytic Vegetation Present? Yes X Hydric Soil Present? Yes X Wetland Hydrology Present? Yes X	No		Sampled A		No	
Remarks:	No					
remarks.						
VEGETATION – Use scientific names o	Absolute	Dominant	Indicator			
<u>Tree Stratum</u> (Plot size: 30')	% Cover	Dominant Species?	Indicator Status	Dominance Test w	orksheet:	
Salix amygdaloides	65	Yes	FACW	Number of Dominar	•	
2.				Are OBL, FACW, or	·	(A)
3. 4.	_			Total Number of Do Across All Strata:	minant Species	2 (B)
	65	=Total Cover		Percent of Dominan	t Species That	
Sapling/Shrub Stratum (Plot size: 30')			Are OBL, FACW, or	FAC:	100.0% (A/B
1. 2.				Prevalence Index v	workshoot:	
2				Total % Cover		ply by:
4.				OBL species	35 x 1 =	35
5.				FACW species	65 x 2 =	130
		=Total Cover		FAC species	0 x 3 =	0
Herb Stratum (Plot size: 30')				FACU species	0 x 4 =	0
1. <u>Lemna minor</u>	35	Yes	OBL	UPL species	0 x 5 =	0
2.					100 (A)	165 (B)
3.				Prevalence Index	x = B/A =1	.65
4 5.				Hydrophytic Veget	ation Indicators:	
					or Hydrophytic Vec	netation
7.				X 2 - Dominance		jotation
8.		· · · · · · · · · · · · · · · · · · ·		X 3 - Prevalence I		
9.		· · · · · · · · · · · · · · · · · · ·			al Adaptations¹(Pro	
10.				data in Rema	arks or on a separa	te sheet)
11					n-Vascular Plants ¹	4
Manaka Vina Obraham (Diakaina 201	35	=Total Cover			drophytic Vegetatio	,
Woody Vine Stratum (Plot size: 30')			¹ Indicators of hydric be present, unless o		
2.				Hydrophytic	·	
% Bare Ground in Herb Stratum		=Total Cover	_	Vegetation	es X No	
Remarks:						_

SOIL Sampling Point: WDP-4C-24

Depth (inches) Matrix Redox Features Features Texture Remarks
0-8 10YR 4/1 97 10YR 5/6 3 C PL/M Mucky Loam/Clay Prominent redox concentrations 8-16 10YR 4/1 100 Loamy/Clayey Silty clay 1 Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. 1 Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. 1 Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. 1 Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. 1 Loamy/Clayey Silty clay 1 Indicators for Ptoblematic Hydric Soils 3: 2 cm Muck (A10) (LRR A, E) 1 Inon-Manganese Masses (F12) (LRR D) 2 cm Muck (A10) (LRR A, E) 1 Iron-Manganese Masses (F12) (LRR D) 2 Red Parent Material (F21) 2 Very Shallow Dark Surface (F22) 3 Indicators of hydrophytic vegetation and
8-16 10YR 4/1 100 Loamy/Clayey Silty clay Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1) Sandy Gleyed Matrix (S4) 2 cm Muck (A10) (LRR A, E) Histic Epipedon (A2) Sandy Redox (S5) Iron-Manganese Masses (F12) (LRR D) Black Histic (A3) Stripped Matrix (S6) Red Parent Material (F21) Hydrogen Sulfide (A4) X Loamy Mucky Mineral (F1) (except MLRA 1) Very Shallow Dark Surface (F22) Tom Muck (A9) (LRR D, G) Loamy Gleyed Matrix (F2) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Matrix (F3) Thick Dark Surface (A12) Redox Dark Surface (F6) Thick Dark Surface (A12) Redox Dark Surface (F6)
¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1) Sandy Gleyed Matrix (S4) Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A4) Hydrogen Sulfide (A4) 1 cm Muck (A9) (LRR D, G) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Redox Dark Surface (F6) 1 coation: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Soils³: 2 cm Muck (A10) (LRR A, E) Iron-Manganese Masses (F12) (LRR D) Red Parent Material (F21) Very Shallow Dark Surface (F22) Other (Explain in Remarks)
¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1) Sandy Gleyed Matrix (S4) Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A4) Hydrogen Sulfide (A4) 1 cm Muck (A9) (LRR D, G) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Redox Dark Surface (F6) 1 coation: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Soils³: 2 cm Muck (A10) (LRR A, E) Iron-Manganese Masses (F12) (LRR D) Red Parent Material (F21) Very Shallow Dark Surface (F22) Other (Explain in Remarks)
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1) Histosol (A2) Black Histic (A3) Hydrogen Sulfide (A4) Indicators for Problematic Hydric Soils ³ : 2 cm Muck (A10) (LRR A, E) Iron-Manganese Masses (F12) (LRR D) Red Parent Material (F21) Very Shallow Dark Surface (F22) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Redox Dark Surface (F6) Indicators for Problematic Hydric Soils ³ : 1 cm Muck (A10) (LRR A, E) Ped Parent Material (F21) Very Shallow Dark Surface (F22) Other (Explain in Remarks) All Dicators of hydrophytic vegetation and
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1) Histosol (A2) Black Histic (A3) Hydrogen Sulfide (A4) Indicators for Problematic Hydric Soils ³ : 2 cm Muck (A10) (LRR A, E) Iron-Manganese Masses (F12) (LRR D) Red Parent Material (F21) Very Shallow Dark Surface (F22) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Redox Dark Surface (F6) Indicators for Problematic Hydric Soils ³ : 1 cm Muck (A10) (LRR A, E) Ped Parent Material (F21) Very Shallow Dark Surface (F22) Other (Explain in Remarks) All Dicators of hydrophytic vegetation and
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1) Histosol (A2) Black Histic (A3) Hydrogen Sulfide (A4) Indicators for Problematic Hydric Soils ³ : 2 cm Muck (A10) (LRR A, E) Iron-Manganese Masses (F12) (LRR D) Red Parent Material (F21) Very Shallow Dark Surface (F22) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Redox Dark Surface (F6) Indicators for Problematic Hydric Soils ³ : 1 cm Muck (A10) (LRR A, E) Ped Parent Material (F21) Very Shallow Dark Surface (F22) Other (Explain in Remarks) All Dicators of hydrophytic vegetation and
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1) Histosol (A2) Black Histic (A3) Hydrogen Sulfide (A4) Indicators for Problematic Hydric Soils ³ : 2 cm Muck (A10) (LRR A, E) Iron-Manganese Masses (F12) (LRR D) Red Parent Material (F21) Very Shallow Dark Surface (F22) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Matrix (F3) Thick Dark Surface (A12) Redox Dark Surface (F6) Indicators for Problematic Hydric Soils ³ : 1 cm Muck (A10) (LRR A, E) Ped Parent Material (F21) Very Shallow Dark Surface (F22) Other (Explain in Remarks)
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1) Histosol (A2) Black Histic (A3) Hydrogen Sulfide (A4) Indicators for Problematic Hydric Soils ³ : 2 cm Muck (A10) (LRR A, E) Iron-Manganese Masses (F12) (LRR D) Red Parent Material (F21) Very Shallow Dark Surface (F22) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Matrix (F3) Thick Dark Surface (A12) Redox Dark Surface (F6) Indicators for Problematic Hydric Soils ³ : 1 cm Muck (A10) (LRR A, E) Ped Parent Material (F21) Very Shallow Dark Surface (F22) Other (Explain in Remarks)
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1) Histosol (A2) Black Histic (A3) Hydrogen Sulfide (A4) Indicators for Problematic Hydric Soils ³ : 2 cm Muck (A10) (LRR A, E) Iron-Manganese Masses (F12) (LRR D) Red Parent Material (F21) Very Shallow Dark Surface (F22) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Matrix (F3) Thick Dark Surface (A12) Redox Dark Surface (F6) Indicators for Problematic Hydric Soils ³ : 1 cm Muck (A10) (LRR A, E) Ped Parent Material (F21) Very Shallow Dark Surface (F22) Other (Explain in Remarks)
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1) Histosol (A2) Black Histic (A3) Hydrogen Sulfide (A4) Indicators for Problematic Hydric Soils ³ : 2 cm Muck (A10) (LRR A, E) Iron-Manganese Masses (F12) (LRR D) Red Parent Material (F21) Very Shallow Dark Surface (F22) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Matrix (F3) Thick Dark Surface (A12) Redox Dark Surface (F6) Indicators for Problematic Hydric Soils ³ : 1 cm Muck (A10) (LRR A, E) Ped Parent Material (F21) Very Shallow Dark Surface (F22) Other (Explain in Remarks)
Histosol (A1) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Iron-Manganese Masses (F12) (LRR D) Black Histic (A3) Stripped Matrix (S6) Red Parent Material (F21) Hydrogen Sulfide (A4) I cm Muck (A9) (LRR D, G) Loamy Gleyed Matrix (F2) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Redox Dark Surface (F6) Sandy Gleyed Matrix (S4) Red Parent Material (F21) Very Shallow Dark Surface (F22) Other (Explain in Remarks)
Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A4) 1 cm Muck (A9) (LRR D, G) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Redox (S5) Stripped Matrix (S6) Stripped Matrix (S6) At Loamy Mucky Mineral (F1) (except MLRA 1) Loamy Gleyed Matrix (F2) Depleted Matrix (F3) Redox Dark Surface (F6) Iron-Manganese Masses (F12) (LRR D) Red Parent Material (F21) Very Shallow Dark Surface (F22) Other (Explain in Remarks)
Black Histic (A3) Hydrogen Sulfide (A4) Stripped Matrix (S6) Hydrogen Sulfide (A4) 1 cm Muck (A9) (LRR D, G) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Stripped Matrix (S6) Loamy Mucky Mineral (F1) (except MLRA 1) Loamy Mucky Mineral (F1) (except MLRA 1) Very Shallow Dark Surface (F22) Other (Explain in Remarks) Depleted Matrix (F3) Redox Dark Surface (F6) Indicators of hydrophytic vegetation and
Hydrogen Sulfide (A4) 1 cm Muck (A9) (LRR D, G) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) X Loamy Mucky Mineral (F1) (except MLRA 1) Loamy Gleyed Matrix (F2) Depleted Matrix (F3) Redox Dark Surface (F6) Very Shallow Dark Surface (F22) Other (Explain in Remarks) 3Indicators of hydrophytic vegetation and
1 cm Muck (A9) (LRR D, G) Loamy Gleyed Matrix (F2) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Matrix (F3) Thick Dark Surface (A12) Redox Dark Surface (F6) 3Indicators of hydrophytic vegetation and
Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Depleted Matrix (F3) Redox Dark Surface (F6) 3Indicators of hydrophytic vegetation and
Thick Dark Surface (A12) Redox Dark Surface (F6) Redox Dark Surface (F6) Redox Dark Surface (F6)
Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) wetland hydrology must be present,
2.5 cm Mucky Peat or Peat (S2) (LRR G) Redox Depressions (F8) unless disturbed or problematic.
Restrictive Layer (if observed):
Type:
Depth (inches): Hydric Soil Present? Yes X No
Remarks:
HYDROLOGY
Wetland Hydrology Indicators:
Primary Indicators (minimum of one is required; check all that apply) Secondary Indicators (2 or more required)
x Surface Water (A1) Water-Stained Leaves (B9) (except Water-Stained Leaves (B9) (MLRA 1, 2
High Water Table (A2) MLRA 1, 2, 4A, and 4B) 4A, and 4B)
X Saturation (A3) Salt Crust (B11) Drainage Patterns (B10)
Water Marks (B1)Aquatic Invertebrates (B13)Dry-Season Water Table (C2)
Sediment Deposits (B2)
Algal Mat or Crust (B4) Presence of Reduced Iron (C4) Shallow Aquitard (D3) Iron Deposits (B5) Recent Iron Reduction in Tilled Soils (C6) FAC-Neutral Test (D5)
recent non reduction in timed soils (co) recent less (bb)
Surface Soil Cracks (R6) Stunted or Stressed Plants (D1) (I RR A) Raised Ant Mounds (D6) (I RR A)
Surface Soil Cracks (B6) Stunted or Stressed Plants (D1) (LRR A) Raised Ant Mounds (D6) (LRR A) Unundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Frost-Heave Hummocks (D7)
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Frost-Heave Hummocks (D7)
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Frost-Heave Hummocks (D7) Sparsely Vegetated Concave Surface (B8)
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Frost-Heave Hummocks (D7) Sparsely Vegetated Concave Surface (B8) Field Observations:
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Frost-Heave Hummocks (D7) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Yes x No Depth (inches): 12
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Frost-Heave Hummocks (D7) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Yes x No Depth (inches): 12 Water Table Present? Yes No x Depth (inches):
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Yes x No Depth (inches): 12 Water Table Present? Yes No x Depth (inches):
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Frost-Heave Hummocks (D7) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Yes x No Depth (inches): 12 Water Table Present? Yes X No Depth (inches): 0 Saturation Present? Yes X No Depth (inches): 0 Wetland Hydrology Present? Yes X No
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Frost-Heave Hummocks (D7) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Yes x No Depth (inches): 12 Water Table Present? Yes X No Depth (inches): 0 Saturation Present? Yes X No Depth (inches): 0 (includes capillary fringe)
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Frost-Heave Hummocks (D7) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Yes x No Depth (inches): 12 Water Table Present? Yes X No Depth (inches): 0 Saturation Present? Yes X No Depth (inches): 0 (includes capillary fringe)
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Frost-Heave Hummocks (D7) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present?

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Project/Site: Post Creek Hill - US 93		City/Cour	nty: Lake		Sampling Date:	9-18-2024
Applicant/Owner: MDT			-	State: MT	Sampling Point:	WDP-4D-24
Investigator(s): B.Cline, F.Doty		Section, T	ownship, Ra	nge: S23 T19N R20W		
Landform (hillside, terrace, etc.): riparian		Local relief (co	oncave, con	ex, none): concave	Slop	pe (%): 0-5
Subregion (LRR/MLRA): LRR E, MLRA 44A	Lat:	47.38737	'8	ong: -114.097465	 Datum:	NAD83
Soil Map Unit Name: Ronan silty clay loam, 2 to 4 pe	ercent slopes			NWI classit	ication: PEM1C	
Are climatic / hydrologic conditions on the site typical	for this time o	f year?	Yes X	No (If no, exp	olain in Remarks.)	
Are Vegetation, Soil, or Hydrology	significantly of					O
Are Vegetation, Soil, or Hydrology	_					
SUMMARY OF FINDINGS – Attach site n						tures, etc.
Hydrophytic Vegetation Present? Yes X	No	Is the	Sampled A	rea		
Hydric Soil Present? Yes X	No	withi	n a Wetland	? Yes X	No	
Wetland Hydrology Present? Yes X	No					
Remarks: VEGETATION – Use scientific names of	nlante					
	Absolute	Dominant	Indicator			
Tree Stratum (Plot size: 30')	% Cover	Species?	Status	Dominance Test wor		
1.				Number of Dominant Are OBL, FACW, or F	•	1 (A)
3.				Total Number of Domi		(/ (/
4.				Across All Strata:		1 (B)
		=Total Cover		Percent of Dominant S	Species That	
Sapling/Shrub Stratum (Plot size: 30'	_)			Are OBL, FACW, or F	AC: <u>10</u>	0.0% (A/B)
1 2.				Prevalence Index wo	urkohoot:	
2	_			Total % Cover of		, bv.
4.						55
5.) x 2 =	0
		=Total Cover		FAC species () x 3 =	0
Herb Stratum (Plot size: 30')				FACU species(0
1. Typha latifolia	10	No	OBL	UPL species (0 (2)
2. Lemna minor	35	Yes	OBL			55 (B)
3. Carex nebrascensis4.	10	No	OBL	Prevalence Index	- B/A - 1.00	<u>) </u>
5				Hydrophytic Vegetat	ion Indicators:	
6.					Hydrophytic Vegeta	ation
7.				X 2 - Dominance Te	st is >50%	
8.				X 3 - Prevalence Inc	lex is ≤3.0 ¹	
9					Adaptations ¹ (Provid	
10					s or on a separate	sheet)
11				5 - Wetland Non-		
Mandy Vino Stratum /Dist size 201	55	=Total Cover			ophytic Vegetation ¹	` ' '
Woody Vine Stratum (Plot size: 30' 1.	_)			¹ Indicators of hydric so be present, unless dis		
2.				Hydrophytic		
% Bare Ground in Herb Stratum		=Total Cover		Vegetation Present? Yes	X No	
Remarks:						_
nomans.						

SOIL Sampling Point: WDP-4D-24

Profile Description: (Describe to the depth	needed to docu	ment th	e indica	tor or c	onfirm the	absence o	of indicators.)
Depth Matrix	Redox	(Feature	es				
(inches) Color (moist) %	Color (moist)	%	Type ¹	Loc ²	Tex	ture	Remarks
0-8 10YR 4/1 97	10YR 5/6	3	С	PL/M	Mucky Lo	oam/Clay	Prominent redox concentrations
8-16 10YR 4/1 100					Loamy/	Clayey	
						- , ,	
					-		
¹ Type: C=Concentration, D=Depletion, RM=Re	educed Matrix, C	S=Cove	red or Co	ated Sa	and Grains.	² Loca	tion: PL=Pore Lining, M=Matrix.
Hydric Soil Indicators: (Applicable to all LR							s for Problematic Hydric Soils ³ :
Histosol (A1)	Sandy Gley					2 cm	Muck (A10) (LRR A, E)
Histic Epipedon (A2)	Sandy Red	ox (S5)				Iron-N	Manganese Masses (F12) (LRR D)
Black Histic (A3)	Stripped Ma	atrix (S6)			Red F	Parent Material (F21)
Hydrogen Sulfide (A4)	X Loamy Muc	cky Mine	ral (F1) (except	MLRA 1)	Very	Shallow Dark Surface (F22)
1 cm Muck (A9) (LRR D, G)	Loamy Gle	yed Mat	rix (F2)			Other	(Explain in Remarks)
Depleted Below Dark Surface (A11)	Depleted M	latrix (F3	3)				
Thick Dark Surface (A12)	Redox Dark	k Surfac	e (F6)			³ Indicators	s of hydrophytic vegetation and
Sandy Mucky Mineral (S1)	Depleted D	ark Surf	ace (F7)			wetla	nd hydrology must be present,
2.5 cm Mucky Peat or Peat (S2) (LRR G)	Redox Dep	ressions	(F8)			unles	s disturbed or problematic.
Restrictive Layer (if observed):							
Туре:	_						
Depth (inches):	_				Hydric So	oil Present	? Yes X No
Remarks:							
HYDROLOGY							
Wetland Hydrology Indicators:							
Primary Indicators (minimum of one is required	<u>l; check all that a</u>	pply)				Secondar	y Indicators (2 or more required)
x Surface Water (A1)	Water-Stair	ned Lea	ves (B9)	(except	t		r-Stained Leaves (B9) (MLRA 1, 2
High Water Table (A2)	MLRA 1		and 4B)				A, and 4B)
X Saturation (A3)	Salt Crust (-					age Patterns (B10)
Water Marks (B1)	Aquatic Inv						season Water Table (C2)
Sediment Deposits (B2)	Hydrogen S		, ,		. (00)		ation Visible on Aerial Imagery (C9)
Drift Deposits (B3)	X Oxidized R			_	oots (C3)		norphic Position (D2)
Algal Mat or Crust (B4)	Presence of Recent Iron				o (C6)		ow Aquitard (D3)
Iron Deposits (B5) Surface Soil Cracks (B6)	Stunted or				, ,		Neutral Test (D5) ed Ant Mounds (D6) (LRR A)
Inundation Visible on Aerial Imagery (B7)	Other (Expl			(D1) (L1	XIX A)		-Heave Hummocks (D7)
Sparsely Vegetated Concave Surface (B8)		iuiii iii i t	omanoj				Tiouve Training one (BT)
Field Observations:	<u>'</u>						
Surface Water Present? Yes x	No I	Depth (iı	nches).	24			
Water Table Present? Yes		Depth (ii	· -				
Saturation Present? Yes X		Depth (ii	_	0	Wetlan	d Hydrolog	y Present? Yes X No
(includes capillary fringe)			/· <u> </u>			J	
Describe Recorded Data (stream gauge, monit	toring well, aerial	photos,	previous	inspec	tions), if ava	ailable:	
Remarks:							
Remarks:							

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Project/Site: Post Creek Hill - US 93		City/Cour	nty: Lake	•	Sampling Date:	8-7-2024
Applicant/Owner: MDT				State: MT	Sampling Point:	WDP-5A-24(1)
Investigator(s): B.Cline, F.Doty		Section, T	ownship, Ra	nge: S24 T19N R20W		
Landform (hillside, terrace, etc.): roadside		Local relief (co	oncave, conv	ex, none): concave	Slo	pe (%): <u>0-5</u>
Subregion (LRR/MLRA): LRR E, MLRA 44A	Lat:	47.38892	2 <u> </u>	ong: <u>-114.096579</u>	Datum:	NAD83
Soil Map Unit Name: Colake silt loam, 0 to 1 percent	slopes			NWI classif	fication: PEM1C	
Are climatic / hydrologic conditions on the site typical	for this time o	f year?	Yes X	No (If no, exp	olain in Remarks.)	
Are Vegetation, Soil, or Hydrology	significantly	disturbed? A	re "Normal C	circumstances" present?	Yes X N	0
Are Vegetation , Soil , or Hydrology			f needed, ex	plain any answers in Rer	marks.)	
SUMMARY OF FINDINGS – Attach site n	_		g point lo	cations, transects,	important feat	ures, etc.
Hydrophytic Vegetation Present? Yes X	No	Is the	Sampled A	rea		
	No		n a Wetland		No	
Wetland Hydrology Present? Yes X	No				· · · · · · · · · · · · · · · · · · ·	
Remarks:						
VEGETATION – Use scientific names of	nlante					
VEGETATION – Use scientific flames of	Absolute	Dominant	Indicator			
Tree Stratum (Plot size: 30')	% Cover	Species?	Status	Dominance Test wor	ksheet:	
1				Number of Dominant	•	
2.				Are OBL, FACW, or F	AC:	1 (A)
3.				Total Number of Dom Across All Strata:	inant Species	4 (D)
4		=Total Cover			Engaine That	<u>1</u> (B)
Sapling/Shrub Stratum (Plot size: 30')	Total Gover		Percent of Dominant S Are OBL, FACW, or F		00.0% (A/B)
1.	_′			, ,		`
2.				Prevalence Index wo	orksheet:	
3				Total % Cover of	: Multiply	y by:
4				OBL species 7		75
5		T-4-1-0			0 x 2 =	20
Herb Stratum (Plot size: 30')		=Total Cover			0 x 3 =	0
1. Typha latifolia	65	Yes	OBL		x 5 =	0
Salvinia minima	10	No	OBL			125 (B)
3. Equisetum arvense	10	No	FAC	Prevalence Index		
4. Mentha arvensis	5	No	FACW		'	
5. Glyceria elata	5	No	FACW	Hydrophytic Vegetat		
6.					Hydrophytic Veget	ation
7.				X 2 - Dominance Te		
8. 9.				X 3 - Prevalence Inc	aex is ≤3.0 Adaptations¹(Provi	da aunnartina
					s or on a separate	
10 11.				5 - Wetland Non-		•
	95	=Total Cover			ophytic Vegetation ¹	(Explain)
Woody Vine Stratum (Plot size: 30'	_)			¹ Indicators of hydric so		
1				be present, unless dis		
2				Hydrophytic		
0/ Para Cround in Harb Strature		=Total Cover		Vegetation	V N-	
% Bare Ground in Herb Stratum				Present? Yes	No	_
Remarks:						

SOIL Sampling Point: WDP-5A-24(1)

Profile Desc Depth	cription: (Describe t Matrix	o the dept		i <mark>ment th</mark> x Featur		tor or o	confirm the absence o	of indicators.)
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-4	10YR 4/2	100	, , ,				Loamy/Clayey	
4-16	10YR 4/2	95	10YR 5/4	5	С	M	Loamy/Clayey	Distinct redox concentrations
				_				
¹Type: C=Co	oncentration, D=Depl	etion, RM=	Reduced Matrix, C	S=Cove	ered or C	oated S	and Grains. ² Loca	tion: PL=Pore Lining, M=Matrix.
Hydric Soil	Indicators: (Applica	ble to all L	RRs, unless othe	rwise n	oted.)			s for Problematic Hydric Soils ³ :
Histosol			Sandy Gley				2 cm	Muck (A10) (LRR A, E)
Histic Ep	pipedon (A2)		Sandy Red	lox (S5)			Iron-N	Manganese Masses (F12) (LRR D)
Black Hi	stic (A3)		Stripped M	atrix (S6	6)		Red F	Parent Material (F21)
Hydroge	n Sulfide (A4)		Loamy Mu		-	(except	MLRA 1) Very	Shallow Dark Surface (F22)
1 cm Mu	ıck (A9) (LRR D, G)		Loamy Gle	yed Mat	rix (F2)		Other	(Explain in Remarks)
	d Below Dark Surface	(A11)	X Depleted M					
Thick Da	ark Surface (A12)		Redox Dar	k Surfac	e (F6)		³ Indicator	s of hydrophytic vegetation and
Sandy M	lucky Mineral (S1)		Depleted D	ark Sur	face (F7))	wetla	nd hydrology must be present,
2.5 cm N	Mucky Peat or Peat (S	32) (LRR G	Redox Dep	ression	s (F8)		unles	s disturbed or problematic.
Restrictive	Layer (if observed):		<u> </u>					
Type:	,							
Depth (in	nches):						Hydric Soil Present	? Yes X No
Remarks:	,						-	
HYDROLC								
_	drology Indicators: cators (minimum of o	ne is requir	ed: check all that a	annly)			Secondar	y Indicators (2 or more required)
X Surface		ie is requii	Water-Stai		vec (RQ)	(avcan		r-Stained Leaves (B9) (MLRA 1, 2
	ater Table (A2)				and 4B)			A, and 4B)
X Saturation	` '		Salt Crust		and 4D	'		age Patterns (B10)
	larks (B1)		Aquatic Inv	. ,	es (R13)			Season Water Table (C2)
	nt Deposits (B2)		Hydrogen					ation Visible on Aerial Imagery (C9)
	posits (B3)		Oxidized R					norphic Position (D2)
	at or Crust (B4)		Presence of			•	` ' —	ow Aquitard (D3)
	oosits (B5)		Recent Iron			. ,		Neutral Test (D5)
	Soil Cracks (B6)		Stunted or				· · · · · · · · · · · · · · · · · · ·	ed Ant Mounds (D6) (LRR A)
	on Visible on Aerial Ir	nagery (B7				, , ,	<i>'</i>	-Heave Hummocks (D7)
	Vegetated Concave	0 , (/ 		,			,
Field Obser	vations:	•	,					
Surface Wat		s X	No	Depth (i	nches):	2		
Water Table				Depth (i	· -	0		
Saturation P				Depth (i	′ =	0	Wetland Hydrolog	gy Present? Yes X No
(includes cap				, (/ <u>-</u>			
	corded Data (stream	gauge, mo	nitoring well, aerial	photos,	previous	s inspec	tions), if available:	
Remarks:								

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Project/Site: Post Creek Hill - US 93		City/Cou	nty: Lake		Sampling Date:	8-7-2024
Applicant/Owner: MDT				State: MT	Sampling Point:	WDP-5A-24(2)
Investigator(s): B.Cline, F.Doty		Section, T	ownship, Ra	nge: S24 T19N R20W		
Landform (hillside, terrace, etc.): roadside		 Local relief (co	oncave, conv	vex, none): concave	Sk	ope (%): 0-5
Subregion (LRR/MLRA): LRR E, MLRA 44A	Lat:	47.39313	1	Long: -114.096380	Datum:	NAD83
Soil Map Unit Name: Lamoose loam, 0 to 2 percent s	slopes			NWI classif	ication: PEM1C	
Are climatic / hydrologic conditions on the site typical	for this time o	f year?	Yes X	No (If no, exp	lain in Remarks.)	
Are Vegetation , Soil , or Hydrology	significantly of	disturbed? A	re "Normal (Circumstances" present?	Yes X N	10
Are Vegetation, Soil, or Hydrology	_		If needed, ex	plain any answers in Ren	narks.)	
SUMMARY OF FINDINGS – Attach site n	_		g point lo	cations, transects,	important fea	tures, etc.
Hydrophytic Vegetation Present? Yes X	No	Is the	Sampled A	rea		
	No		n a Wetland		No	
	No					
Remarks:						
VEGETATION – Use scientific names of	•					
<u>Tree Stratum</u> (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test wor	ksheet:	
1.	70 00001	ореско:	Ctatas	Number of Dominant S		
2.				Are OBL, FACW, or F	•	3 (A)
3.				Total Number of Domi	nant Species	
4				Across All Strata:		3 (B)
0 1: (0) 1 0: (0)	,——	=Total Cover		Percent of Dominant S		00.00/ (4/5)
Sapling/Shrub Stratum (Plot size: 30' 1.	_)			Are OBL, FACW, or F.	AC: <u>1</u>	00.0% (A/B)
2.	_			Prevalence Index wo	rksheet:	
3.				Total % Cover of		ly by:
4.				OBL species 20		20
5.				FACW species 3	5 x 2 =	70
		=Total Cover		FAC species 25		75
Herb Stratum (Plot size: 30')	20	V	ODI	FACU species 0		0
Typha latifolia Juncus balticus	20 20	Yes Yes	FACW	UPL species 0 Column Totals: 80		0 165 (B)
3. Dipsacus fullonum	15	Yes	FAC	Prevalence Index		
4. Impatiens aurella	10	No	FACW			
5. Rumex crispus	10	No	FAC	Hydrophytic Vegetati	on Indicators:	
6. Mentha arvensis	5	No	FACW	1 - Rapid Test for	, , , ,	tation
7.				X 2 - Dominance Te		
8.				X 3 - Prevalence Ind 4 - Morphological		ida aumortina
9. 10.					s or on a separate	
11				5 - Wetland Non-\	/ascular Plants ¹	,
	80	=Total Cover		Problematic Hydro		ı¹ (Explain)
Woody Vine Stratum (Plot size: 30'	_)			¹ Indicators of hydric so	oil and wetland hy	drology must
1				be present, unless dis	turbed or problem	atic.
2		T-4-1-0		Hydrophytic		
% Bare Ground in Herb Stratum		=Total Cover		Vegetation Present? Yes	X No	
Remarks:						
nomants.						

SOIL Sampling Point: WDP-5A-24(2)

Depth	Matrix		Redo		-						
(inches)	Color (moist)	<u>%</u>	Color (moist)	%	Type ¹	Loc ²	Tex	ture		Remarks	
0-4	10YR 2/1	100					Loamy	/Clayey		roots present	
4-10	10YR 2/1	60	5YR 4/4	5	С	PL	Loamy	/Clayey	;	35% 10YR 5/1	
10-18	10YR 6/1	58	5YR 4/6	2	С	M	Loamy	/Clayey	;	30% 10YR 2/1	
			_								
¹ Type: C=Ce	noontration D-Dan	otion DM	-Poducod Matrix C		rod or C	ootod S	and Crains	21 000	tion: DI =Do	re Lining, M=M	lotriy
• •	ncentration, D=Depindicators: (Applica					oaled S	and Grains			matic Hydric :	
Histosol		Die to all i	Sandy Gle		•				Muck (A10) (-	
	ipedon (A2)		Sandy Red	-	IX (O4)					lasses (F12) (I	BB U/
Black His			Stripped M		:1				Parent Materi		LKK D)
	n Sulfide (A4)		Loamy Mu	,	,	(evcent	MI DA 1\			ai (F21) : Surface (F22)	
	ck (A9) (LRR D, G)		Loamy Gle	•	, ,	(except	WILKA I)		(Explain in F		'
	Below Dark Surface	(Δ11)	Depleted N						(Exhigin in t	tomanto)	
	rk Surface (A12)	(, , , ,)	X Redox Dar	`	,			³ Indicator	s of hydrophy	tic vegetation	and
	ucky Mineral (S1)		Depleted [)				must be prese	
	lucky Peat or Peat (S2) (LRR (` '	,				r problematic.	,
	.ayer (if observed):		<u> </u>	'						<u> </u>	
Type:	,										
Depth (in	ches):						Hydric S	oil Present	?	Yes X	No
Depth (in Remarks:	ches):		<u> </u>				Hydric S	oil Present	?	Yes X	No
Remarks:							Hydric S	oil Present	?	Yes X	No
Remarks:							Hydric S	oil Present	?	Yes X	No
Remarks: HYDROLO Wetland Hyd	GY	ne is requi	red; check all that	apply)			Hydric S			Yes X	
Remarks: HYDROLO Wetland Hyc Primary Indic	GY Irology Indicators:	ne is requi	red; check all that a		ves (B9)	(ехсер)		Secondar	y Indicators (uired)
Remarks: HYDROLO Wetland Hyd Primary Indic Surface \(\)	GY Irology Indicators: ators (minimum of o	ne is requi	Water-Sta		, ,			Secondar Wate	y Indicators (2 or more requ	uired)
Remarks: HYDROLO Wetland Hyd Primary Indic Surface \(\)	GY Irology Indicators: ators (minimum of o Water (A1) ter Table (A2)	ne is requi	Water-Sta	ined Lea 1, 2, 4A,	, ,			Secondar Wate	y Indicators (r-Stained Lea	2 or more requaves (B9) (MLI	uired)
Remarks: HYDROLO Wetland Hyo Primary Indio Surface \ High Wat	GY Irology Indicators: ators (minimum of o Water (A1) ter Table (A2) n (A3)	ne is requi	Water-Sta MLRA Salt Crust Aquatic In	ined Lea 1, 2, 4A, (B11) vertebrat	and 4B) es (B13))		Secondar Wate 44 Drain Dry-S	y Indicators (r-Stained Lea a, and 4B) age Patterns eason Watel	2 or more requaves (B9) (MLi (B10) Table (C2)	<u></u>
HYDROLO Wetland Hyde Primary Indio Surface V High Wat Saturatio Water Ma	GY Irology Indicators: ators (minimum of o Nater (A1) ter Table (A2) n (A3) arks (B1) t Deposits (B2)	ne is requi	Water-Sta MLRA Salt Crust Aquatic In	ined Lea 1, 2, 4A, (B11) vertebrat Sulfide C	and 4B) es (B13) Odor (C1)))	t	Secondar Wate 4A Drain Dry-S	y Indicators (r-Stained Lea s, and 4B) age Patterns eason Watel ation Visible	2 or more requaves (B9) (MLI (B10) Table (C2) on Aerial Imag	<u></u>
HYDROLO Wetland Hyde Primary Indice Surface N High Wat Saturatio Water Ma Sedimen Drift Dep	GY Irology Indicators: ators (minimum of or Nater (A1) ter Table (A2) n (A3) arks (B1) t Deposits (B2) osits (B3)	ne is requi	Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F	ined Lea 1, 2, 4A, (B11) vertebrat Sulfide C	and 4B) es (B13) Odor (C1 eres on I))) Living Ro	t	Secondar Wate 4,4 Drain Dry-S Satur X Geom	y Indicators (r-Stained Lea , and 4B) age Patterns eason Water ation Visible norphic Positi	2 or more requaves (B9) (MLI (B10) r Table (C2) on Aerial Imagino (D2)	<u></u>
HYDROLO Wetland Hyde Primary Indice Surface Note that the second water Manage in the second water M	GY Irology Indicators: ators (minimum of or Nater (A1) ter Table (A2) n (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4)	ne is requi	Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F Presence	ined Lea 1, 2, 4A, (B11) vertebrat Sulfide C Rhizospho of Reduc	es (B13) Odor (C1 eres on leed Iron ())) Living Re (C4)	t oots (C3)	Secondar Wate 4,4 Drain Dry-S Satur X Geom Shalld	y Indicators (r-Stained Lea a, and 4B) age Patterns eason Water ation Visible norphic Positiow Aquitard (2 or more requaves (B9) (MLI (B10) r Table (C2) on Aerial Imagion (D2) D3)	<u></u>
HYDROLO Wetland Hyc Primary Indic Surface V High Wa' Saturatio Water Ma Sedimen Drift Dep Algal Ma' Iron Depo	GY Irology Indicators: ators (minimum of orwater (A1) ter Table (A2) n (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4) osits (B5)	ne is requi	Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro	ined Lea 1, 2, 4A, (B11) vertebrat Sulfide C Rhizospho of Reduc	es (B13) Odor (C1 eres on led Iron (tion in Ti)) Living Ro (C4) illed Soil	oots (C3)	Secondar Wate 44 Drain Dry-S Satur X Geom Shalk X FAC-	y Indicators (r-Stained Lea y, and 4B) age Patterns eason Water ation Visible norphic Positi ow Aquitard (Neutral Test	(B10) on Aerial Imagion (D2) D3) (D5)	<u>uired)</u> RA 1, 2
HYDROLO Wetland Hyc Primary Indic Surface N High Wa' Saturatio Water Ma Sedimen Drift Dep Algal Ma' Iron Depo	GY Irology Indicators: ators (minimum of orwater (A1) ter Table (A2) n (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4) osits (B5) Soil Cracks (B6)		Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Stunted or	ined Lea 1, 2, 4A, (B11) vertebrat Sulfide C Rhizospho of Reduc n Reduc	es (B13) Odor (C1 eres on led Iron (tion in Ti)) Living Re (C4) illed Soil (D1) (Ll	oots (C3)	Secondar Wate 4,4 Drain Dry-S Satur X Geom Shalld X FAC- Raise	y Indicators (r-Stained Lea a, and 4B) age Patterns eason Water ation Visible norphic Position by Aquitard (Neutral Test d Ant Mound	(B10) (B10) (Table (C2) on Aerial Imagion (D2) D3) (D5) (D6) (LRR A	<u>uired)</u> RA 1, 2
HYDROLO Wetland Hyc Primary Indic Surface \(\) High Wa' Saturatio Water Ma Sedimen Drift Dep Algal Ma' Iron Depo Surface \(\) Inundation	GY Irology Indicators: ators (minimum of or	magery (B	Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Stunted or Other (Exp	ined Lea 1, 2, 4A, (B11) vertebrat Sulfide C Rhizospho of Reduc n Reduc	es (B13) Odor (C1 eres on led Iron (tion in Ti)) Living Re (C4) illed Soil (D1) (Ll	oots (C3)	Secondar Wate 4,4 Drain Dry-S Satur X Geom Shalld X FAC- Raise	y Indicators (r-Stained Lea y, and 4B) age Patterns eason Water ation Visible norphic Positi ow Aquitard (Neutral Test	(B10) (B10) (Table (C2) on Aerial Imagion (D2) D3) (D5) (D6) (LRR A	<u>uired)</u> RA 1, 2 ery (C9)
HYDROLO Wetland Hyde Primary Indice Surface N High Water Ma Sedimen Drift Dep Algal Mater Iron Depote Surface S Inundation Sparsely	GY Irology Indicators: ators (minimum of orwater (A1) ter Table (A2) n (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4) osits (B5) Goil Cracks (B6) in Visible on Aerial Invegetated Concave	magery (B	Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Stunted or Other (Exp	ined Lea 1, 2, 4A, (B11) vertebrat Sulfide C Rhizospho of Reduc n Reduc	es (B13) Odor (C1 eres on led Iron (tion in Ti)) Living Re (C4) illed Soil (D1) (Ll	oots (C3)	Secondar Wate 4,4 Drain Dry-S Satur X Geom Shalld X FAC- Raise	y Indicators (r-Stained Lea a, and 4B) age Patterns eason Water ation Visible norphic Position by Aquitard (Neutral Test d Ant Mound	(B10) (B10) (Table (C2) on Aerial Imagion (D2) D3) (D5) (D6) (LRR A	<u>uired)</u> RA 1, 2 ery (C9)
HYDROLO Wetland Hyde Primary Indice Surface Note of the second of the	GY Irology Indicators: ators (minimum of orwater (A1) ter Table (A2) n (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4) osits (B5) Soil Cracks (B6) on Visible on Aerial Invegetated Concave vations:	magery (B: Surface (I	Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Stunted or Other (Exp.	ined Lea 1, 2, 4A, (B11) vertebrat Sulfide C Rhizospho of Reduc n Reduc Stresse blain in R	es (B13) Odor (C1 eres on leed Iron (tion in Tid Plants emarks))) Living Re (C4) illed Soil (D1) (Li	oots (C3)	Secondar Wate 4,4 Drain Dry-S Satur X Geom Shalld X FAC- Raise	y Indicators (r-Stained Lea a, and 4B) age Patterns eason Water ation Visible norphic Position by Aquitard (Neutral Test d Ant Mound	(B10) (B10) (Table (C2) on Aerial Imagion (D2) D3) (D5) (D6) (LRR A	<u>uired)</u> RA 1, 2 ery (C9)
HYDROLO Wetland Hyc Primary Indic Surface V High Wat Saturatio Water Ma Sedimen Drift Dep Algal Ma Iron Depo Surface S Inundatic Sparsely Field Observ Surface Water	GY Irology Indicators: ators (minimum of orwater (A1) ter Table (A2) n (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4) osits (B5) Soil Cracks (B6) on Visible on Aerial Invegetated Concave vations:	magery (B Surface (I	Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Stunted or Other (Exp	ined Lea 1, 2, 4A, (B11) vertebrat Sulfide C Rhizosph of Reduc n Reduc Stresse blain in R	es (B13) Odor (C1 eres on leed Iron (tion in Tid d Plants emarks))) Living Rd (C4) illed Soil (D1) (Li	oots (C3)	Secondar Wate 4,4 Drain Dry-S Satur X Geom Shalld X FAC- Raise	y Indicators (r-Stained Lea a, and 4B) age Patterns eason Water ation Visible norphic Position by Aquitard (Neutral Test d Ant Mound	(B10) (B10) (Table (C2) on Aerial Imagion (D2) D3) (D5) (D6) (LRR A	<u>uired)</u> RA 1, 2 ery (C9)
Remarks: HYDROLO Wetland Hyc Primary Indic Surface V High Wa' Saturatio Water Ma Sedimen Drift Dep Algal Ma' Iron Depo Surface S Inundatic Sparsely Field Observ Surface Water Water Table	GY Irology Indicators: ators (minimum of orwater (A1) ter Table (A2) n (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4) osits (B5) Soil Cracks (B6) on Visible on Aerial Invegetated Concave vations: er Present? Yee Present? Yee	magery (B' Surface (I s s	Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Stunted or Other (Exp 38)	ined Lea 1, 2, 4A, (B11) vertebrat Sulfide C Rhizosph of Reduc n Reduc Stresse blain in R Depth (ii	es (B13) Dor (C1 eres on I eed Iron (tion in Ti d Plants emarks) nches):) Living Ro (C4) Illed Soil (D1) (Li	oots (C3) s (C6) RR A)	Secondar Wate 44 Drain Dry-S Satur X Geom Shall X FAC- Raise Frost	y Indicators (r-Stained Lea y, and 4B) age Patterns eason Watel ation Visible norphic Positi ow Aquitard (Neutral Test d Ant Mound Heave Humi	(B10) on Aerial Imagion (D2) D3) (D5) ls (D6) (LRR A	uired) RA 1, 2 ery (C9)
HYDROLO Wetland Hyde Primary Indice Surface V High Water Mater M	GY Irology Indicators: ators (minimum of or Nater (A1) ter Table (A2) n (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4) osits (B5) Soil Cracks (B6) on Visible on Aerial In Vegetated Concave (Vations: er Present? Yeesent? Yeesent?	magery (B' Surface (I s	Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Stunted or Other (Exp 38)	ined Lea 1, 2, 4A, (B11) vertebrat Sulfide C Rhizosph of Reduc n Reduc Stresse blain in R	es (B13) Dor (C1 eres on I eed Iron (tion in Ti d Plants emarks) nches):)) Living Rd (C4) illed Soil (D1) (Li	oots (C3) s (C6) RR A)	Secondar Wate 44 Drain Dry-S Satur X Geom Shall X FAC- Raise Frost	y Indicators (r-Stained Lea a, and 4B) age Patterns eason Water ation Visible norphic Position by Aquitard (Neutral Test d Ant Mound	(B10) on Aerial Imagion (D2) D3) (D5) ls (D6) (LRR A	<u>uired)</u> RA 1, 2
HYDROLO Wetland Hyde Primary Indice Surface V High Water Mater M	GY Irology Indicators: ators (minimum of or	magery (B: Surface (I s ss	Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Stunted or Other (Exp 38) No X No X No X	ined Lea 1, 2, 4A, (B11) vertebrat Sulfide C Rhizosphof Reduc n Reduc Stresse blain in R Depth (ii Depth (ii	es (B13) Odor (C1 eres on I ed Iron (tion in Ti d Plants emarks) nches): _ nches): _)) Living Re (C4) Illed Soil (D1) (Li	t toots (C3) s (C6) RR A) Wetlar	Secondar Wate 4,4 Drain Dry-S Satur X Geon Shalk X FAC- Raise Frost	y Indicators (r-Stained Lea y, and 4B) age Patterns eason Watel ation Visible norphic Positi ow Aquitard (Neutral Test d Ant Mound Heave Humi	(B10) on Aerial Imagion (D2) D3) (D5) ls (D6) (LRR A	uired) RA 1, 2 ery (C9)
HYDROLO Wetland Hyde Primary Indice Surface V High Water Mater M	GY Irology Indicators: ators (minimum of or Nater (A1) ter Table (A2) n (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4) osits (B5) Soil Cracks (B6) on Visible on Aerial In Vegetated Concave (Vations: er Present? Yeesent? Yeesent?	magery (B: Surface (I s ss	Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Stunted or Other (Exp 38) No X No X No X	ined Lea 1, 2, 4A, (B11) vertebrat Sulfide C Rhizosphof Reduc n Reduc Stresse blain in R Depth (ii Depth (ii	es (B13) Odor (C1 eres on I ed Iron (tion in Ti d Plants emarks) nches): _ nches): _)) Living Re (C4) Illed Soil (D1) (Li	t toots (C3) s (C6) RR A) Wetlar	Secondar Wate 4,4 Drain Dry-S Satur X Geon Shalk X FAC- Raise Frost	y Indicators (r-Stained Lea y, and 4B) age Patterns eason Watel ation Visible norphic Positi ow Aquitard (Neutral Test d Ant Mound Heave Humi	(B10) on Aerial Imagion (D2) D3) (D5) ls (D6) (LRR A	ery (C9
HYDROLO Wetland Hyde Primary Indice Surface V High Water Ma Sedimen Drift Dep Algal Ma Iron Depe Surface S Inundatice Sparsely Field Observ Surface Water Water Table Saturation Pr (includes cap	GY Irology Indicators: ators (minimum of or	magery (B: Surface (I s ss	Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Stunted or Other (Exp 38) No X No X No X	ined Lea 1, 2, 4A, (B11) vertebrat Sulfide C Rhizosphof Reduc n Reduc Stresse blain in R Depth (ii Depth (ii	es (B13) Odor (C1 eres on I ed Iron (tion in Ti d Plants emarks) nches): _ nches): _)) Living Re (C4) Illed Soil (D1) (Li	t toots (C3) s (C6) RR A) Wetlar	Secondar Wate 4,4 Drain Dry-S Satur X Geon Shalk X FAC- Raise Frost	y Indicators (r-Stained Lea y, and 4B) age Patterns eason Watel ation Visible norphic Positi ow Aquitard (Neutral Test d Ant Mound Heave Humi	(B10) on Aerial Imagion (D2) D3) (D5) ls (D6) (LRR A	uired) RA 1, 2 ery (C9)
HYDROLO Wetland Hyde Primary Indice Surface V High Water Mater M	GY Irology Indicators: ators (minimum of or	magery (B: Surface (I s ss	Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Stunted or Other (Exp 38) No X No X No X	ined Lea 1, 2, 4A, (B11) vertebrat Sulfide C Rhizosphof Reduc n Reduc Stresse blain in R Depth (ii Depth (ii	es (B13) Odor (C1 eres on I ed Iron (tion in Ti d Plants emarks) nches): _ nches): _)) Living Re (C4) Illed Soil (D1) (Li	t toots (C3) s (C6) RR A) Wetlar	Secondar Wate 4,4 Drain Dry-S Satur X Geon Shalk X FAC- Raise Frost	y Indicators (r-Stained Lea y, and 4B) age Patterns eason Watel ation Visible norphic Positi ow Aquitard (Neutral Test d Ant Mound Heave Humi	(B10) on Aerial Imagion (D2) D3) (D5) ls (D6) (LRR A	uired) RA 1, 2 ery (C9)
HYDROLO Wetland Hyde Primary Indice Surface V High War Saturatio Water Ma Sedimen Drift Dep Algal Ma Iron Depe Surface S Inundatice Sparsely Field Observ Surface Water Water Table Saturation Pr (includes cap Describe Rec	GY Irology Indicators: ators (minimum of or	magery (B: Surface (I s ss	Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Stunted or Other (Exp 38) No X No X No X	ined Lea 1, 2, 4A, (B11) vertebrat Sulfide C Rhizosphof Reduc n Reduc Stresse blain in R Depth (ii Depth (ii	es (B13) Odor (C1 eres on I ed Iron (tion in Ti d Plants emarks) nches): _ nches): _)) Living Re (C4) Illed Soil (D1) (Li	t toots (C3) s (C6) RR A) Wetlar	Secondar Wate 4,4 Drain Dry-S Satur X Geon Shalk X FAC- Raise Frost	y Indicators (r-Stained Lea y, and 4B) age Patterns eason Watel ation Visible norphic Positi ow Aquitard (Neutral Test d Ant Mound Heave Humi	(B10) on Aerial Imagion (D2) D3) (D5) ls (D6) (LRR A	uired) RA 1, 2 ery (C9)

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Project/Site: Post Creek Hill - US 93		City/County: Lake Sampling Date						
Applicant/Owner: MDT				State: MT	Sampling Point:	WDP-5A-24(3)		
Investigator(s): B.Cline, F.Doty		Section, T	ownship, Rar	nge: S24 T19N R20W				
Landform (hillside, terrace, etc.): wetland complex		Local relief (co	oncave, conve	ex, none): concave	Slo	pe (%): 0-5		
Subregion (LRR/MLRA): LRR E, MLRA 44A	Lat:	47.395831 Long: -114.096410 Datum:						
Soil Map Unit Name: Lamoose loam, 0 to 2 percent sk					fication: PUBHx			
Are climatic / hydrologic conditions on the site typical for	or this time o	f year?	Yes X	No (If no, exp	olain in Remarks.)			
Are Vegetation, Soil, or Hydrology	significantly	-		ircumstances" present?		lo		
Are Vegetation, Soil, or Hydrology				olain any answers in Rer	 -			
SUMMARY OF FINDINGS – Attach site ma			g point loc	ations, transects,	important feat	tures, etc.		
Hydrophytic Vegetation Present? Yes X N	o	ls the	Sampled Ar					
	o <u></u>		n a Wetland?		No			
	0							
Remarks:								
 VEGETATION – Use scientific names of μ	lante							
VEGETATION - 030 3010Hallie Hallies of p	Absolute	Dominant	Indicator					
Tree Stratum (Plot size: 30')	% Cover	Species?	Status	Dominance Test wor	rksheet:			
Populus balsamifera	5	Yes	<u>FAC</u>	Number of Dominant	•	. (4)		
2.				Are OBL, FACW, or F		6 (A)		
3				Total Number of Dom Across All Strata:	inant Species	6 (B)		
4	5	=Total Cover		Percent of Dominant	Species That	6 (B)		
Sapling/Shrub Stratum (Plot size: 30'	,	10101 00101		Are OBL, FACW, or F	•	00.0% (A/B)		
1. Alnus viridis	8	Yes	FACW	, ,		`		
2. Populus balsamifera	5	Yes	FAC	Prevalence Index wo	orksheet:			
3.				Total % Cover of	f: Multiply	y by:		
4				· —	<u>5</u> x1=	45		
5				· —	3 x 2 =	26		
Herb Stratum (Plot size: 30')	13	=Total Cover			0 x 3 =	90		
1. Typha latifolia	15	Yes	OBL	· -	x 5 =	0		
Mentha arvensis	5	No	FACW	Column Totals: 8		161 (B)		
3. Carex nebrascensis	15	Yes	OBL	Prevalence Index				
4. Solanum dulcamara	10	No	FAC					
5. Rumex crispus	5	No	FAC	Hydrophytic Vegetat				
6. Myosotis asiatica	5	No	FAC		Hydrophytic Veget	tation		
7. <u>Lemna minor</u>	15	Yes	OBL	X 2 - Dominance Te				
8. 9.				X 3 - Prevalence Inc	dex is ≤3.0 Adaptations¹(Provi	ido ounnortino		
10					s or on a separate			
11.				5 - Wetland Non-\		,		
	70	=Total Cover			ophytic Vegetation	¹ (Explain)		
Woody Vine Stratum (Plot size: 30')			¹ Indicators of hydric s	oil and wetland hyd	drology must		
1				be present, unless dis	turbed or problema	atic.		
2				Hydrophytic				
0/ Poro Cround in Harb Charter		=Total Cover		Vegetation	V N-			
% Bare Ground in Herb Stratum				Present? Yes	XNo			
Remarks:								

SOIL Sampling Point: WDP-5A-24(3)

Profile Desc Depth	ription: (Describ Matrix	e to the dept	h needed to docu Redox	ment th Featur		itor or o	confirm the	absence of ind	licators.)	
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Tex	ture	Remarks	
0-15	10YR 2/1	100	, ,				Loamy	/Clayey		
			_		·					
¹Type: C=Co	oncentration, D=De	pletion, RM=	Reduced Matrix, C	S=Cove	red or Co	oated S	and Grains.	² Location:	PL=Pore Lining, M=	Matrix.
Hydric Soil I	ndicators: (Appli	cable to all L	RRs, unless othe	rwise n	oted.)			Indicators for	Problematic Hydric	: Soils³:
Histosol	(A1)		Sandy Gle	ed Mat	rix (S4)			2 cm Mucl	k (A10) (LRR A, E)	
Histic Ep	ipedon (A2)		Sandy Red	ox (S5)				Iron-Mang	anese Masses (F12)	(LRR D)
Black His	stic (A3)		Stripped M	atrix (S6	6)			Red Parer	nt Material (F21)	
X Hydrogei	n Sulfide (A4)		Loamy Mud	ky Mine	eral (F1)	(except	MLRA 1)	Very Shall	ow Dark Surface (F2	2)
1 cm Mu	ck (A9) (LRR D, G)	Loamy Gle	yed Mat	rix (F2)			Other (Exp	olain in Remarks)	
	Below Dark Surfa	ce (A11)	Depleted M	,	,					
	rk Surface (A12)		Redox Dar		, ,				nydrophytic vegetatio	
	ucky Mineral (S1)		Depleted D					-	drology must be pre	
2.5 cm M	lucky Peat or Peat	(S2) (LRR G	Redox Dep	ression	s (F8)			unless dis	turbed or problemation) .
	ayer (if observed):								
Type:			_							
Depth (in	iches):		<u> </u>				Hydric S	oil Present?	Yes <u>X</u>	No
Remarks:										
HYDROLO										
_	drology Indicators		المراجع والمراجع والمراجع والمراجع والمراجع والمراجع	الا با سم				Ozzania I i	Baatana (O	i
	•	one is requir	ed; check all that a		(50)	,		-	licators (2 or more re	
X Surface \			Water-Stai		, ,		τ		ined Leaves (B9) (M	LRA 1, 2
	ter Table (A2)				and 4B)	1		4A, and	,	
X Saturation Water Ma			Salt Crust (Aquatic Inv	-	oc (B13)				Patterns (B10) on Water Table (C2)	
	t Deposits (B2)		X Hydrogen S						Visible on Aerial Ima	agery (C9)
	osits (B3)		Oxidized R				oots (C3)		nic Position (D2)	agory (oo)
	t or Crust (B4)		Presence of			-	0010 (00)		quitard (D3)	
	osits (B5)		Recent Iron		,	,	ls (C6)	X FAC-Neuti		
	Soil Cracks (B6)		Stunted or						it Mounds (D6) (LRR	A)
Inundatio	on Visible on Aeria	I Imagery (B7	Other (Exp	ain in R	emarks)	. , .	,	Frost-Heav	ve Hummocks (D7)	,
Sparsely	Vegetated Conca	ve Surface (B	88)							
Field Observ	/ations:									
Surface Water	er Present?	res X	No	Depth (i	nches):	6				
Water Table	Present?	res X	No	Depth (i	nches):	0				
Saturation Pr	resent?	res X	No	Depth (i	nches):	0	Wetlan	d Hydrology Pr	esent? Yes X	No
(includes cap									-	
Describe Red	corded Data (strea	m gauge, mo	nitoring well, aerial	photos,	previous	s inspec	ctions), if av	ailable:		
Remarks:										

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Project/Site: Post Creek Hill - US 93		City/Cour	nty: Lake	<u>-</u>	Sampling Date:	8-7-2024
Applicant/Owner: MDT				State: MT	Sampling Point:	WDP-5A-24(4)
Investigator(s): B.Cline, F.Doty		Section, T	ownship, Rar	nge: S24 T19N R20W		
Landform (hillside, terrace, etc.): riparian		Local relief (co	oncave, conve	ex, none): <u>concave</u>	Slop	oe (%): <u>0-5</u>
Subregion (LRR/MLRA): LRR E, MLRA 44A	Lat:	47.39649	<u>0 </u>	ong: <u>-114.095480</u>	Datum:	NAD93
Soil Map Unit Name: Lamoose loam, 0 to 2 percent	slopes			NWI classif	ication: none	
Are climatic / hydrologic conditions on the site typical	I for this time o	f year?	Yes X	No (If no, exp	olain in Remarks.)	
Are Vegetation, Soil, or Hydrology	significantly	disturbed? A	re "Normal C	ircumstances" present?	Yes X No	o
Are Vegetation, Soil, or Hydrology				olain any answers in Ren		
SUMMARY OF FINDINGS – Attach site	— map showir	ıg samplinç	g point loc	ations, transects,	important feat	ures, etc.
Hydrophytic Vegetation Present? Yes X	No	Is the	Sampled Ar	rea		
Hydric Soil Present? Yes X	No		n a Wetland?		No	
Wetland Hydrology Present? Yes X	No					
Remarks:						
VEGETATION – Use scientific names of	-	Dt	la di a tau I			
Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test wor	ksheet:	
1.				Number of Dominant S		
2.				Are OBL, FACW, or F.	•	2 (A)
3				Total Number of Domi	nant Species	
4				Across All Strata:		2 (B)
Cardinar/Charle Charters (Diet sine)	\ 	=Total Cover		Percent of Dominant S		0.00/ (A/D)
Sapling/Shrub Stratum (Plot size: 30'	_)			Are OBL, FACW, or F.	AC: 10	0.0% (A/B)
				Prevalence Index wo	rksheet	
3.				Total % Cover of		/ by:
4.				OBL species 40		40
5.			FACW	FACW species 40	0 x 2 =	80
		=Total Cover		FAC species 20		60
Herb Stratum (Plot size: 30')				FACU species 0		0
Carex nebrascensis Phalaris arundinacea	40	Yes	OBL FACW	UPL species 0		0 180 (B)
Verbena hastata		Yes No	FAC	Column Totals: 10 Prevalence Index		
4. Epilobium ciliatum	10	No	FACW	T TOVAICTICG THACK	- BIX - 1.00	,
5. Geum macrophyllum	8	No	FAC	Hydrophytic Vegetati	ion Indicators:	
6.					Hydrophytic Veget	ation
7.				X 2 - Dominance Te	st is >50%	
8				X 3 - Prevalence Ind		
9					Adaptations ¹ (Provid	
10					s or on a separate	sneet)
11	100	=Total Cover		5 - Wetland Non-\	/ascular Plants [·] ophytic Vegetation ¹	(Evoloin)
Woody Vine Stratum (Plot size: 30'	100	- i otai Cover				
1.				¹ Indicators of hydric so be present, unless dis		
2.				Hydrophytic	·	
		=Total Cover		Vegetation		
% Bare Ground in Herb Stratum				Present? Yes	X No	_
Remarks:						

SOIL Sampling Point: WDP-5A-24(4)

Profile Desc Depth	cription: (Describe t Matrix	o the depth		ıment tl x Featur		itor or c	confirm the	absence of	indicators.)		
(inches)	Color (moist)	%	Color (moist)	% r c atui	Type ¹	Loc ²	- Texture			Remarks	
0-8	10YR 2/1	100			<u> 7 </u>			oam/Clay	Mucky M	lineral soil with roots	
8-18	10YR 2/1	95					,	/Clayey		No Redox	
- 0 10	10111271						Louiny	rolayoy		HOTHOGOX	-
							•				
							-				
1											
	oncentration, D=Depl					oated Sa	and Grains.			e Lining, M=Matrix.	
-	Indicators: (Application (A4)	ole to all Li			•					natic Hydric Soils ³ :	
Histosol			Sandy Gle						uck (A10) (I		
	oipedon (A2)		Sandy Red Stripped M						-	asses (F12) (LRR D)
Black Hi	n Sulfide (A4)		x Loamy Mu	,	,	(ovcont	MI DA 1\		rent Materia	Surface (F22)	
	ick (A9) (LRR D, G)		Loamy Gle	-		(except	WILKA I)		Explain in R		
	Below Dark Surface	(Δ11)	Depleted M	•	` '					emarks)	
	ark Surface (A12)	(/ () /)	Redox Dar	•	,			³ Indicators	of hydrophy	tic vegetation and	
	lucky Mineral (S1)		Depleted D			,				must be present,	
	/lucky Peat or Peat (S	(2) (LRR G			, ,					problematic.	
	Layer (if observed):	, , , ,	<u> </u>								
Type:	,										
Depth (ir	nches):		_				Hydric S	oil Present?		Yes X No	
Remarks:	<u></u>										
HYDROLO	GY										
Wetland Hy	drology Indicators:										
Primary India	cators (minimum of o	ne is require						Secondary	Indicators (2	2 or more required)	
Surface	Water (A1)		Water-Stai	ned Lea	ives (B9)	(excep	t			ves (B9) (MLRA 1, 2	2
	iter Table (A2)		MLRA 1	1, 2, 4A,	, and 4B))			and 4B)		
Saturation	` ,		Salt Crust						ge Patterns	` '	
	arks (B1)		Aquatic Inv						ason Water		٥,
	nt Deposits (B2)		Hydrogen S				. (00)			on Aerial Imagery (C	9)
	oosits (B3)		Oxidized R			•	oots (C3)		rphic Position		
	t or Crust (B4)		Presence of		,	,	o (CC)		/ Aquitard ([·	
	osits (B5) Soil Cracks (B6)		Recent Iron Stunted or				` '		eutral Test (os (D6) (LRR A)	
	on Visible on Aerial Ir	nagery (B7)					NN A)		eave Humn		
	Vegetated Concave	,		iaiii iii i	(ciriains)				cave ridiiii	iocks (D1)	
Field Obser			-,								
Surface Wat		5	No X	Denth (i	inches):	0					
Water Table		, S			inches):						
Saturation P		<u> </u>			inches):		Wetlan	d Hydrology	Present?	Yes X No	
(includes cap					′ -			, 0,			
	corded Data (stream	gauge, mor	nitoring well, aerial	photos	, previous	s inspec	tions), if av	ailable:			
Remarks:											

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Project/Site: Post Creek Hill - US 93		City/Cour	nty: Lake		Sampling Date:	8-7-2024
Applicant/Owner: MDT				State: MT	Sampling Point:	WDP-5B-24
Investigator(s): B.Cline, F.Doty		Section, T	ownship, Ra	nge: S24 T19N R20W		
Landform (hillside, terrace, etc.): pothole		Local relief (co	oncave, conv	ex, none): <u>concave</u>	Slo	pe (%): <u>0-5</u>
Subregion (LRR/MLRA): LRR E, MLRA 44A	Lat:	47.38992	23	_ong: <u>-114.096339</u>	Datum:	NAD83
Soil Map Unit Name: Bolack silt loam, 0 to 2 percent sl	lopes			NWI classif	ication: PUBHx	
Are climatic / hydrologic conditions on the site typical for	or this time of	f year?	Yes X	No (If no, exp	lain in Remarks.)	
Are Vegetation, Soil, or Hydrology	significantly o	disturbed? A	re "Normal C	Circumstances" present?	Yes X N	o
Are Vegetation, Soil, or Hydrology	naturally prob	olematic? (I	f needed, ex	plain any answers in Ren	narks.)	
SUMMARY OF FINDINGS – Attach site ma	ap showin	g sampling	g point lo	cations, transects,	important feat	ures, etc.
Hydrophytic Vegetation Present? Yes X No	0	Is the	Sampled A	rea		
			n a Wetland		No	
Wetland Hydrology Present? Yes X No						
Remarks:						
Stock pond with aquatic vegetation.						
VEGETATION – Use scientific names of p	lante					
VEGETATION – 03e scientific flames of p	Absolute	Dominant	Indicator			
Tree Stratum (Plot size: 30')	% Cover	Species?	Status	Dominance Test wor	ksheet:	
1.				Number of Dominant S	•	0 (4)
2. 3.				Are OBL, FACW, or F		2 (A)
4				Total Number of Domi Across All Strata:	nant Species	2 (B)
···		Total Cover		Percent of Dominant S	——Species That	(=)
Sapling/Shrub Stratum (Plot size: 30')			Are OBL, FACW, or F		00.0% (A/B)
1						
2.				Prevalence Index wo		, by
3				Total % Cover of OBL species 5		50
5.				FACW species 0		0
		Total Cover		FAC species 0	x 3 =	0
Herb Stratum (Plot size: 30')				FACU species0		0
1. Myriophyllum spicatum	30	Yes	OBL	UPL species 0		0 (D)
2. <u>Lemna minor</u> 3.	20	Yes	OBL	Column Totals: 5	`` /	50 (B)
4.				1 Tevalence macx	- 5/74 - 1:00	<u></u>
5.				Hydrophytic Vegetat	on Indicators:	
6.					Hydrophytic Veget	ation
7.				X 2 - Dominance Te		
8.				X 3 - Prevalence Inc	ıex ıs ≤3.0° Adaptations¹(Provi	do ou postina
9. 10.					s or on a separate	
11				5 - Wetland Non-\	•	,
	50	Total Cover			ophytic Vegetation ¹	(Explain)
Woody Vine Stratum (Plot size: 30')			¹ Indicators of hydric so		
1.				be present, unless dis	urbed or problema	itic.
2	 .	=Total Cover		Hydrophytic		
% Bare Ground in Herb Stratum	:	- rotal Cover		Vegetation Present? Yes	X No	
Remarks:				<u> </u>		

SOIL Sampling Point: WDP-5B-24

Profile Desc	cription: (Describe	to the dept	h needed to doc	ument tl	he indica	tor or c	confirm the	absence c	of indicators.)		
Depth	Matrix		Redo	x Featur							
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Tex	ture		Remarks	
0-6	10YR 4/2	100	_				Loamy	/Clayey			
6-16	10YR 4/2	95	10YR 5/4	5	C	M_	Loamy	/Clayey	Distinct r	edox concen	trations
							,		•		
							•		,		
							-				
l 							-				
l	-										
	oncentration, D=Dep					oated S	and Grains.		tion: PL=Pore		
Hydric Soil	Indicators: (Application	able to all L	RRs, unless othe	erwise n	oted.)			Indicator	s for Problem	natic Hydric	Soils ³ :
Histosol	(A1)		Sandy Gle	yed Mat	rix (S4)			2 cm	Muck (A10) (L	.RR A, E)	
Histic Ep	oipedon (A2)		Sandy Red	dox (S5)				Iron-N	∕langanese Ma	asses (F12) (LRR D)
	stic (A3)		Stripped M	latrix (S6	3)				Parent Materia	, ,	
	n Sulfide (A4)		Loamy Mu	-		(except	MLRA 1)		Shallow Dark	•)
I —	ıck (A9) (LRR D, G)		Loamy Gle	-				Other	(Explain in Re	emarks)	
l — ·	d Below Dark Surfac	e (A11)	X Depleted N		-			3			
	ark Surface (A12)		Redox Dar						s of hydrophyt	-	
	lucky Mineral (S1)		Depleted [, ,				nd hydrology r		ent,
	Mucky Peat or Peat (Redox Dep	oression	s (F8)			unles	s disturbed or	problematic.	
	Layer (if observed)	:									
Type:											
Depth (ii	nches):						Hydric S	oil Present	?	Yes X	No
Remarks:											
HYDROLO)GV										
_	drology Indicators: cators (minimum of o		ad: chack all that	annly)				Socondor	y Indicators (2	or more real	uirod)
X Surface		one is requir	Water-Sta		wes (R0)	(avcan	+		<u>y maicators (2</u> r-Stained Lea\		
	ater Table (A2)				, and 4B)	-	·		1-Stailled Leav A, and 4B)	/es (Da) (MIL	NA 1, 2
X Saturation			Salt Crust		, una 4 5)				age Patterns (B10)	
l ——	larks (B1)		Aquatic In	, ,	tes (B13)				season Water	-	
	nt Deposits (B2)		Hydrogen		, ,				ation Visible o		erv (C9)
I —	posits (B3)		Oxidized F				oots (C3)		norphic Positio		,, (,
	at or Crust (B4)		Presence	•		0	()		ow Aquitard (D	` '	
	oosits (B5)		Recent Iro	n Reduc	tion in Til	led Soil	s (C6)		Neutral Test (I	-	
Surface	Soil Cracks (B6)		Stunted or						ed Ant Mounds	•	()
Inundati	on Visible on Aerial	magery (B7				`	,		-Heave Humm		,
Sparsely	/ Vegetated Concave	e Surface (B	8)								
Field Obser	vations:										
Surface Wat	er Present? Ye	es X	No	Depth (i	inches):	12					
Water Table		es X		. ,	inches): _	0					
Saturation P		es X		Depth (i	· · ·	0	Wetlan	d Hydrolog	y Present?	Yes X	No
(includes ca	pillary fringe)	·									
	corded Data (stream	gauge, moi	nitoring well, aeria	l photos	, previous	inspec	tions), if av	ailable:			
Remarks:											
Stock pond -	unknown depth										
I											

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Project/Site: Post Creek Hill - US 93		City/County: Lake Sampling Date					
Applicant/Owner: MDT				State: MT	Sampling Point:	WDP-5C-24	
Investigator(s): B.Cline, F.Doty		Section, T	Township, Ra	nge: S24 T19N R20W			
Landform (hillside, terrace, etc.): riparian		 Local relief (co	oncave, conv	ex, none): concave	Slop	oe (%): 0-5	
Subregion (LRR/MLRA): LRR E, MLRA 44A	Lat:	47.39627	70 l	ong: -114.095566	Datum:	NAD83	
Soil Map Unit Name: Lamoose loam, 0 to 2 percent	slopes			NWI classif	ication: PEM1C		
Are climatic / hydrologic conditions on the site typical	for this time of	f year?	Yes X	No (If no, exp	lain in Remarks.)		
Are Vegetation, Soil, or Hydrology	_significantly	disturbed? A	Are "Normal (Dircumstances" present?	Yes No	·	
Are Vegetation , Soil , or Hydrology	naturally prol	olematic? (If needed, ex	plain any answers in Rer	marks.)		
SUMMARY OF FINDINGS – Attach site n	nap showin	g samplin	g point lo	cations, transects,	important feat	ures, etc.	
Hydric Soil Present? Yes X	No No		e Sampled A n a Wetland		No		
Remarks: VEGETATION – Use scientific names of	plants.						
Tree Otreture (Districe 201	Absolute	Dominant	Indicator	Danis Tark	ll4-		
Tree Stratum (Plot size: 30') 1.	% Cover	Species?	Status	Dominance Test wor			
2.				Number of Dominant S Are OBL, FACW, or F	•	4 (A)	
3.				Total Number of Domi		```	
4				Across All Strata:	·	4 (B)	
Carolina/Charola Charolana (Diataina 20)		=Total Cover		Percent of Dominant S	•	0.00/ (A/D)	
Sapling/Shrub Stratum (Plot size: 30' 1. Alnus viridis	_) 30	Yes	FACW	Are OBL, FACW, or F	AC: 100	0.0% (A/B)	
2.				Prevalence Index wo	rksheet:		
3.				Total % Cover of	: Multiply	by:	
4				OBL species 4		40	
5				FACW species 6		120	
Herb Stratum (Plot size: 30')	30	=Total Cover		FAC species C		0	
1. Epilobium ciliatum	20	Yes	FACW	UPL species 5		<u>0</u> 25	
Carex nebrascensis	25	Yes	OBL	Column Totals: 10		185 (B)	
3. Alnus viridis4.	10	No	FACW	Prevalence Index	= B/A = 1.76		
5. Typha latifolia	15	Yes	OBL	Hydrophytic Vegetati	on Indicators:		
6. Verbena stricta	5	No	UPL		Hydrophytic Vegeta	ation	
7.				X 2 - Dominance Te			
8.				X 3 - Prevalence Inc	lex is ≤3.0 ' Adaptations¹(Provid	l	
9					Adaptations (Provid s or on a separate s		
10 11.				5 - Wetland Non-\	•	,	
	75	=Total Cover		Problematic Hydro	ophytic Vegetation ¹	(Explain)	
Woody Vine Stratum (Plot size: 30'	_)			¹ Indicators of hydric so be present, unless dis			
2.				Hydrophytic			
% Bare Ground in Herb Stratum		=Total Cover		Vegetation	No	_	
Remarks:							

SOIL Sampling Point: WDP-5C-24

Profile Desc	ription: (Describe	to the depth	needed to doc	ument th	ne indica	tor or c	onfirm the	absence of	indicators.)	
Depth	Matrix		Redo	x Featur	es					
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Tex	ture	Remark	(S
0-16	7.5YR 2.5/3	100					Mu	uck		
							1			
	•	· —— —					•			
	-	- — —								
¹Type: C=Cc	ncentration, D=Dep	letion RM=Re	educed Matrix (CS=Cove	red or Co	ated Sa	and Grains	² l ocatio	on: PL=Pore Lining,	M=Matrix
	ndicators: (Applica					alou ol	aria Oranio.		for Problematic Hyd	
X Histosol		abic to un Err	Sandy Gle						uck (A10) (LRR A, E	
I —	ipedon (A2)		Sandy Re	-					inganese Masses (F	
Black His			Stripped N						rent Material (F21)	12) (LINK 5)
	n Sulfide (A4)		Loamy Mu	`	,	except	MIRA 1)		nallow Dark Surface (F22)
I — · ·	ck (A9) (LRR D, G)		Loamy Glo	-		олоорг			Explain in Remarks)	/
	Below Dark Surfac	e (A11)	Depleted I	-					explain in Homaino)	
· · · · · · · · · · · · · · · · · · ·	rk Surface (A12)	• (*)	Redox Da		•			³ Indicators of	of hydrophytic vegeta	tion and
	ucky Mineral (S1)		Depleted I						l hydrology must be p	
l ——	lucky Peat or Peat (S2) (LRR G)	Redox De		` '				disturbed or problem	
	.ayer (if observed):			•						
Type:	ayer (ii observed).	•								
Depth (in	ches).		_				Hydric S	oil Present?	Yes >	(No
Remarks:			_				Tiyano o	On i rosone.	100_7	
Remarks.										
HYDROLO	GV									
_	Irology Indicators:		l	I>				0	I Il	
I -	ators (minimum of o	one is required			(DO)	/		-	Indicators (2 or more	
x Surface \	` '		Water-Sta			(excep			Stained Leaves (B9)	(WLKA 1, 2
	ter Table (A2)				and 4B)			•	and 4B)	
x Saturatio			Salt Crust Aquatic In	,	on (P12)				ge Patterns (B10) ason Water Table (C	2)
Water Ma	t Deposits (B2)		X Hydrogen						ion Visible on Aerial	,
	osits (B3)		Oxidized F		. ,		note (C3)		rphic Position (D2)	illagery (C3)
	t or Crust (B4)		Presence			-	0010 (00)		Aquitard (D3)	
	osits (B5)		Recent Iro				s (C6)		eutral Test (D5)	
	Soil Cracks (B6)		Stunted or				` '		Ant Mounds (D6) (Lf	RR A)
	on Visible on Aerial I	magery (B7)	Other (Ex			(= :) (=:	,		leave Hummocks (D7	-
	Vegetated Concave				,				,	,
Field Observ		(- /					1			
Surface Wate		es x	No	Depth (i	nches).	2				
Water Table			No x	Depth (i	· -					
Saturation Pr		es x	No No	Depth (i		0	Wetlan	d Hydrology	Present? Yes	(No
(includes cap					_			,		
	corded Data (stream	gauge, monit	oring well, aeria	l photos,	previous	inspec	tions), if av	ailable:		
	<u> </u>			·	· 		, 			
Remarks:										
1										

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Project/Site: Post Creek Hill - US 93		City/Cou	nty: Lake	•	Sampling Date	e: 8-8-2024
Applicant/Owner: MDT			'-	State: MT	Sampling Poin	t: WDP-6A-24(1)
Investigator(s): B.Cline, F.Doty		Section, T	ownship, Ra	nge: S12 T19N R20W		
Landform (hillside, terrace, etc.): Field		Local relief (co	oncave, conv	ex, none): Concave	s	lope (%): <u>0-5</u>
Subregion (LRR/MLRA): LRR E, MLRA 44A	Lat:	47.38993	35 I	ong: -114.097840°	Datum	n: NAD83
Soil Map Unit Name: Bohnly silt loam , 0-2 percent sl					fication: PEM1C	
Are climatic / hydrologic conditions on the site typical	for this time o	f year?	Yes X	No (If no, ex	plain in Remarks.)
Are Vegetation, Soil, or Hydrology	significantly			Circumstances" present?		
Are Vegetation, Soil, or Hydrology_				plain any answers in Re		
SUMMARY OF FINDINGS – Attach site m	_			-	· ·	atures, etc.
Hydrophytic Vegetation Present? Yes X I	No	Is the	Sampled A	rea		
	No		n a Wetland		No	
	No					
Remarks:						
VECTATION Has a significant and a second						
VEGETATION – Use scientific names of	Absolute	Dominant	Indicator			
<u>Tree Stratum</u> (Plot size: 30')	% Cover	Species?	Status	Dominance Test wo	rksheet:	
1				Number of Dominant	Species That	
2	_			Are OBL, FACW, or F	AC:	4 (A)
3.				Total Number of Dom	inant Species	
4	_	=Total Cover		Across All Strata:	<u> </u>	(B)
Sapling/Shrub Stratum (Plot size: 30'	, ———	- Total Covel		Percent of Dominant Are OBL, FACW, or F	•	100.0% (A/B)
1.	_′			, 022, . , .011, 01		(. 42
2.				Prevalence Index w	orksheet:	
3.				Total % Cover o	f: Multi	ply by:
4					5 x 1 =	15
5		T-4-1 0		· —	55 x 2 =	110
Herb Stratum (Plot size: 30')		=Total Cover			20 x 3 = 0 x 4 =	0
1. Typha latifolia	15	Yes	OBL	·	0 x5=	0
Dipsacus fullonum	15	Yes	FAC		90 (A)	185 (B)
3. Polygonum lapathifolium	25	Yes	FACW	Prevalence Index	= B/A = 2	.06
4. Juncus balticus	20	Yes	FACW		·	
5				Hydrophytic Vegeta		
6.		NI.		1 - Rapid Test for	, , ,	etation
Geum macrophyllum Alopecurus magellanicus	5 10	No No	FACW	X 2 - Dominance To		
		INO	PACVV	4 - Morphological		wide supporting
9. 10.					ks or on a separa	
11.				5 - Wetland Non-	Vascular Plants ¹	
	90	=Total Cover		Problematic Hydr	ophytic Vegetatio	n ¹ (Explain)
Woody Vine Stratum (Plot size: 30'				¹ Indicators of hydric s	oil and wetland h	ydrology must
1				be present, unless dis	sturbed or probler	natic.
2				Hydrophytic		
% Bare Ground in Herb Stratum		=Total Cover		Vegetation Present? Yes	Y No	
				FIESEIIL! IES	XNo	
Remarks:						

SOIL Sampling Point: WDP-6A-24(1)

	ription: (Describe	to the depth				tor or o	confirm the	absence of	indicators.)	
Depth	Matrix	0/		x Featu		. 2	_				
(inches)	Color (moist)		Color (moist)	%	Type ¹	Loc ²	Text			Remarks	
0-4	10YR 2/2	100					Mucky Lo			y mineral with	
4-6	10YR 2/2	100					Loamy/			loam with roc	
6-18	10YR 2/2	100					Loamy/	Clayey	silt	loam with roc	ots
	ncentration, D=Dep					oated S	and Grains.			e Lining, M=N	
-	ndicators: (Applica	able to all LR								matic Hydric	Soils ³ :
Histosol (•		Sandy Gle	-					1uck (A10) (
	pedon (A2)		Sandy Re						-	lasses (F12) (l	LRR D)
Black His	, ,		Stripped N	•	'				arent Materi	, ,	
	Sulfide (A4)		X Loamy Mu			(except	MLRA 1)			Surface (F22))
	ck (A9) (LRR D, G)		Loamy Gl					Other (Explain in F	Remarks)	
	Below Dark Surface	e (A11)	Depleted I	,	,			2			
	k Surface (A12)		Redox Da							tic vegetation	
	ucky Mineral (S1)		Depleted I		` '					must be prese	ent,
2.5 cm M	ucky Peat or Peat (S2) (LRR G)	Redox De	pression	s (F8)			unless	disturbed o	r problematic.	
	ayer (if observed):										
Type:			_								
Depth (in	ches):		_				Hydric So	oil Present?		Yes X	No
Remarks:											
HYDROLO	CV.										
	rology Indicators:										
-	ators (minimum of o		d: chack all that	apply)				Socondary	Indicators (2 or more regi	uirod)
	Vater (A1)	nie is require	X Water-Sta		wes (RQ)	(avcan	•		•	ves (B9) (MLI	
	er Table (A2)				and 4B)	•			and 4B)	ives (D9) (IVILI	XA 1, 2
X Saturation			Salt Crust		aliu 4D)				ge Patterns	(R10)	
Water Ma	` ,		Aquatic In		tos (R13)				ason Water	` '	
	Deposits (B2)		Hydrogen							on Aerial Imag	iery (C9)
Drift Depo			Oxidized F		, ,		oots (C3)		orphic Positi	_	ici y (OO)
	or Crust (B4)		Presence			•	0010 (00)		w Aquitard (, ,	
Iron Depo			Recent Iro		,	,	ls (C6)		eutral Test	-	
	Soil Cracks (B6)		Stunted or				` '			s (D6) (LRR A	.)
	n Visible on Aerial I	magery (B7)	Other (Ex			(= .) (=	,		leave Humr		-7
	Vegetated Concave				,					(- :)	
Field Observ		,	•								
Surface Water		es	No X	Depth (i	nches):						
Water Table I		es X	No No	Depth (· -	12					
Saturation Pro			No	. ,	nches):	12	Wetland	d Hydrology	Present?	Yes X	No
(includes cap				. (′ –			. 3			
	orded Data (stream	gauge, moni	toring well, aeria	al photos	, previous	inspec	tions), if ava	ailable:			
Remarks:											

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Project/Site: Post Creek Hill - US 93		City/County: Lake Sampling Date					
Applicant/Owner: MDT				State: MT	Sampling Point:	WDP-6A-24(2)	
Investigator(s): B.Cline, F.Doty		Section, T	ownship, Ra	inge: S23 T19N R20W			
Landform (hillside, terrace, etc.): riparian		Local relief (co	oncave, con	/ex, none): concave	Slop	oe (%): <u>0-5</u>	
Subregion (LRR/MLRA): LRR E, MLRA 44A	Lat:	47.39420	08	Long: <u>-114.098366</u>	Datum:	NAD93	
Soil Map Unit Name: Lamoose loam, 0 to 2 percent	slopes			NWI classi	fication: PEM1C		
Are climatic / hydrologic conditions on the site typical	al for this time o	f year?	Yes X	No (If no, exp	olain in Remarks.)		
Are Vegetation, Soil, or Hydrology	significantly o	disturbed? A	Are "Normal (Circumstances" present?	Yes No	· <u> </u>	
Are Vegetation, Soil, or Hydrology	naturally prol	blematic? (If needed, ex	xplain any answers in Re	marks.)		
SUMMARY OF FINDINGS - Attach site	map showin	ıg samplin	g point lo	cations, transects	, important feat	ures, etc.	
Hydrophytic Vegetation Present? Yes X Hydric Soil Present? Yes X Wetland Hydrology Present? Yes X	No No		e Sampled A		. No		
Remarks: VEGETATION – Use scientific names of	f plants.						
T 01 1 (D1 1 1 201)	Absolute	Dominant	Indicator				
<u>Tree Stratum</u> (Plot size: 30') 1.	% Cover	Species?	Status	Dominance Test wor			
2.				Number of Dominant Are OBL, FACW, or F	•	2 (A)	
3.				Total Number of Dom			
4				Across All Strata:	·	3 (B)	
Sapling/Shrub Stratum (Plot size: 30'	\	=Total Cover		Percent of Dominant : Are OBL, FACW, or F	•	6.7% (A/B)	
Symphoricarpos albus		Yes	FACU	Ale OBL, I ACW, OIT	AC	<u>).770</u> (A/D)	
2.				Prevalence Index wo	orksheet:		
3				Total % Cover of			
4.					0 x1=	0	
5		=Total Cover		· -		1 <u>20</u> 120	
Herb Stratum (Plot size: 30')						60	
Cirsium arvense	40	Yes	FAC	UPL species	0 x 5 =	0	
2. Phalaris arundinacea3.4.		Yes	FACW	Column Totals: 1: Prevalence Index		B00 (B)	
5.				Hydrophytic Vegetat	ion Indicators:		
6.					Hydrophytic Vegeta	ation	
7.				X 2 - Dominance Te			
9.				X 3 - Prevalence Inc	dex is ≤3.0° Adaptations¹(Provic	do supporting	
10					s or on a separate		
11.				5 - Wetland Non-	Vascular Plants ¹		
	100	=Total Cover		Problematic Hydr	ophytic Vegetation ¹	(Explain)	
Woody Vine Stratum (Plot size: 30'	_)			¹ Indicators of hydric s be present, unless dis			
2		=Total Cover		Hydrophytic Vegetation Present? Yes	X No		
Remarks:				1			
nomano.							

SOIL Sampling Point: WDP-6A-24(2)

Profile Desc	ription: (Describe	to the depth	needed to docu	ument th	ne indica	tor or o	confirm the	absence of	findicators.)		
Depth	Matrix		Redo	x Featur	es						
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Tex	ture		Remarks	
0-7	10YR 3/2						Loamy	/Clayey	R	oots present	
7-16	10YR 3/2	94	2.5Y 7/4	6	С	PL	Loamy	/Clayey	(65% gravels	
<u> </u>											
l -											
¹ Type: C=Co	oncentration, D=De	oletion, RM=R	educed Matrix, C	S=Cove	ered or Co	ated S	and Grains.	² Locat	ion: PL=Pore	Lining, M=M	atrix.
Hydric Soil	Indicators: (Applic	able to all LR	Rs, unless othe	erwise n	oted.)			Indicators	for Problem	atic Hydric S	oils ³ :
Histosol	(A1)		Sandy Gle	yed Mat	rix (S4)			2 cm M	Muck (A10) (L	.RR A, E)	
Histic Ep	oipedon (A2)		Sandy Red	dox (S5)				Iron-M	langanese Ma	asses (F12) (L	_RR D)
Black Hi	stic (A3)		Stripped M	latrix (S6	3)			Red P	arent Materia	l (F21)	
Hydroge	n Sulfide (A4)		Loamy Mu	cky Mine	eral (F1) (except	t MLRA 1)	Very S	Shallow Dark	Surface (F22)	
1 cm Mu	ıck (A9) (LRR D, G)		Loamy Gle	eyed Mat	trix (F2)			Other	(Explain in Re	emarks)	
Depleted	d Below Dark Surfac	e (A11)	Depleted N	Лatrix (F	3)						
Thick Da	ark Surface (A12)		X Redox Dar	k Surfac	ce (F6)			³ Indicators	of hydrophyt	ic vegetation a	and
Sandy M	lucky Mineral (S1)		Depleted [Dark Sur	face (F7)			wetlan	ıd hydrology r	nust be prese	nt,
2.5 cm N	Mucky Peat or Peat	(S2) (LRR G)	Redox Dep	oression	s (F8)			unless	disturbed or	problematic.	
Restrictive I	Layer (if observed)	:									
Type:			_								
Depth (ir	nches):		_				Hydric S	oil Present?	•	Yes X	No
Remarks:											
HYDROLO	GY										
Wetland Hyd	drology Indicators	:									
Primary Indic	cators (minimum of	one is required	d; check all that a	apply)				Secondary	/ Indicators (2	or more requ	<u>iired)</u>
Surface	Water (A1)		Water-Sta	ined Lea	ives (B9)	(ехсер	t	Water	-Stained Leav	es (B9) (MLF	₹A 1, 2
High Wa	iter Table (A2)		MLRA	1, 2, 4A,	and 4B)			4A,	, and 4B)		
Saturatio	on (A3)		Salt Crust	(B11)				Draina	ige Patterns (B10)	
Water M	arks (B1)		Aquatic In	vertebra	tes (B13)			Dry-Se	eason Water	Table (C2)	
Sedimer	nt Deposits (B2)		Hydrogen	Sulfide (Odor (C1)			Satura	ation Visible o	n Aerial Imag	ery (C9)
Drift Dep	oosits (B3)		X Oxidized F			-	loots (C3)	x Geom	orphic Positio	n (D2)	
	it or Crust (B4)		Presence		-				w Aquitard (D	-	
	osits (B5)		Recent Iro				` '		leutral Test ([-	
	Soil Cracks (B6)		Stunted or			(D1) (L l	RR A)			(D6) (LRR A)
	on Visible on Aerial		Other (Exp	olain in F	Remarks)			Frost-l	Heave Humm	ocks (D7)	
Sparsely	Vegetated Concav	e Surface (B8)				_				
Field Obser											
Surface Wat		es	No x		inches):						
Water Table		es	No <u>x</u>		inches):		1				
Saturation P		es	No <u>x</u>	Depth (i	inches):		Wetlan	d Hydrology	y Present?	Yes X	No
(includes car											
Describe Re	corded Data (strean	n gauge, moni	toring well, aeria	ı pnotos	, previous	inspec	cuons), if av	allable:			
Remarks:											
i veillai (15.											

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Project/Site: Post Creek Hill - US 93		City/Cou	nty: <u>Lake</u>			Sampling Date:	8-8-2024
Applicant/Owner: MDT				State:	MT	Sampling Point:	WDP-6B-24(1)
Investigator(s): B.Cline, F.Doty		Section, T	ownship, Ran	ge: S23 T19	9N R20W		
Landform (hillside, terrace, etc.): riparian		Local relief (co	oncave, conve	ex, none): C	oncave	Slo	pe (%): 0-5
Subregion (LRR/MLRA): LRR E, MLRA 44A	Lat:	47.39184	17 Lo	ong: -114.09	7524	 Datum:	NAD83
Soil Map Unit Name: Borohemists, 0 to 1 percent slop			_	·		cation: PSS1C	
Are climatic / hydrologic conditions on the site typical	for this time o	of vear?	Yes X	No	(If no. expl	ain in Remarks.)	
Are Vegetation, Soil, or Hydrology							١o
Are Vegetation , Soil , or Hydrology	_		If needed, exp				
SUMMARY OF FINDINGS – Attach site m	_			-		-	tures, etc.
		1	Sampled Are	·	<u> </u>	•	
	10		n a Wetland?		'es_X_	No	
	No			_			
Remarks:							
VEGETATION – Use scientific names of	nlants						
VEGETATION OSC SCICILING HAMES OF	Absolute	Dominant	Indicator				
Tree Stratum (Plot size: 30')	% Cover	Species?	Status	Dominance	Test work	sheet:	
Sorbus scopulina	15	Yes	FACU			pecies That	
2.				Are OBL, FA		·	2 (A)
3				Total Number		nant Species	E (D)
4	15	=Total Cover					5 (B)
Sapling/Shrub Stratum (Plot size: 30')	Total Gover		Percent of D Are OBL, FA		•	10.0% (A/B)
1. Sorbus scopulina	_, 15	Yes					(1 4 -)
2. Betula pumila	15	Yes		Prevalence	Index wor	ksheet:	
3.				Total %	6 Cover of:	Multipl	y by:
4				OBL species		x 1 =	
5				FACW spec			
	30	=Total Cover		FAC species		x 3 =	
Herb Stratum (Plot size: 30')	40		ODI	FACU speci		x 4 =	
1. Lysichiton americanus		No	OBL	UPL species		x 5 =	(D)
2. Solanum nigrum	. 	No	FACU	Column Tota		(A)	(B)
Carex nebrascensis Polygonum lapathifolium	35 15	Yes	OBL FACW	Flevaleli	ce Index =	- b/A -	
5.		163	TACV	Hydronhytic	c Venetatio	on Indicators:	
6.	5	No			_	Hydrophytic Vege	tation
7. Equisetum arvense	5	No	FAC		inance Tes		lation
8. Cirsium arvense	5	No	FAC		alence Inde		
9. Solidago altissima	10	No	FACU			daptations ¹ (Prov	ide supportino
10. Mentha arvensis	5	No	FACW			or on a separate	
11				5 - Wetl	and Non-V	ascular Plants ¹	
_	98	=Total Cover		Problem	natic Hydro	phytic Vegetation	¹ (Explain)
Woody Vine Stratum (Plot size: 30')					il and wetland hyd	
1				be present,	unless dist	urbed or problema	atic.
2				Hydrophyti	С		
		=Total Cover		Vegetation			
% Bare Ground in Herb Stratum				Present?	Yes_	<u> </u>	
Remarks:							

SOIL Sampling Point: WDP-6B-24(1)

			Redo	x Featur	20					
Depth (inches)	Matrix Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	<u>.</u>	Remarks	
0-4	10YR 2/2	100	Color (molet)		1,700		Peat		romano	
4-18	10YR 2/2						-			
4-10	1011 2/2	100					Peat			
							-			
										-
	_		_							
¹ Type: C=Con	centration, D=Depl	letion, RM=F	Reduced Matrix, C	S=Cove	red or Co	oated Sa	and Grains.	² Locatio	n: PL=Pore Lining, M=Matrix	(.
	dicators: (Applica								or Problematic Hydric Soils	_
X Histosol (A	(1)		Sandy Gle	yed Matı	ix (S4)			2 cm Mu	ick (A10) (LRR A, E)	
Histic Epip	edon (A2)		Sandy Red	lox (S5)			_	Iron-Mar	nganese Masses (F12) (LRR	D)
Black Histi	c (A3)		Stripped M	atrix (S6	5)		_	Red Par	ent Material (F21)	
Hydrogen	Sulfide (A4)		Loamy Mu	cky Mine	eral (F1) ((except	MLRA 1)	Very Sha	allow Dark Surface (F22)	
1 cm Muck	(A9) (LRR D, G)		Loamy Gle	yed Mat	rix (F2)			Other (E	xplain in Remarks)	
Depleted E	Below Dark Surface	e (A11)	Depleted N	/latrix (F	3)					
	Surface (A12)		Redox Dar				³ lı		f hydrophytic vegetation and	
	cky Mineral (S1)		Depleted D						hydrology must be present,	
2.5 cm Mu	cky Peat or Peat (S	S2) (LRR G)	Redox Dep	ressions	s (F8)			unless d	isturbed or problematic.	
Restrictive La	yer (if observed):									
Type:			_							
Depth (incl	hes):		_				Hydric Soil	Present?	Yes X No	<u> </u>
Remarks:										
HADBOI OC	ev.									
HYDROLOG										
Wetland Hydro	ology Indicators:									
Wetland Hydro	ology Indicators: tors (minimum of o	ne is require	•		(20)	(24222)		-	ndicators (2 or more required	
Wetland Hydro	ology Indicators: tors (minimum of o ater (A1)	ne is require	Water-Stai	ned Lea				Water-S	tained Leaves (B9) (MLRA 1	
Wetland Hydro Primary Indicat x Surface W X High Wate	ology Indicators: tors (minimum of o ater (A1) r Table (A2)	ne is require	Water-Stai	ned Lea 1, 2, 4A ,	ves (B9) and 4B)			Water-S 4A, a	tained Leaves (B9) (MLRA 1 nd 4B)	
Wetland Hydro Primary Indicat X Surface W X High Wate X Saturation	ology Indicators: tors (minimum of o later (A1) or Table (A2) (A3)	ne is require	Water-Stai	ned Lea 1, 2, 4A, (B11)	and 4B)			Water-S 4A, a Drainage	tained Leaves (B9) (MLRA 1 nd 4B) e Patterns (B10)	
Wetland Hydro Primary Indicat x Surface W X High Wate x Saturation Water Mar	ology Indicators: tors (minimum of o later (A1) or Table (A2) (A3) ks (B1)	ne is require	Water-Stai MLRA Salt Crust Aquatic Inv	ned Lea 1, 2, 4A, (B11) vertebrat	and 4B) es (B13)			Water-S 4A, a Drainage Dry-Sea	tained Leaves (B9) (MLRA 1 nd 4B) e Patterns (B10) son Water Table (C2)	, 2
Wetland Hydro Primary Indicat X Surface W X High Wate X Saturation Water Mar Sediment I	tors (minimum of o later (A1) or Table (A2) (A3) rks (B1) Deposits (B2)	ne is require	Water-Stai MLRA Salt Crust Aquatic Inv Hydrogen	ned Lea 1, 2, 4A, (B11) /ertebrat Sulfide C	and 4B) es (B13) Odor (C1))	t _ _ _ _	Water-S 4A, a Drainage Dry-Sea Saturation	tained Leaves (B9) (MLRA 1 nd 4B) e Patterns (B10) son Water Table (C2) on Visible on Aerial Imagery	, 2
Wetland Hydro Primary Indicat X Surface W X High Wate X Saturation Water Mar Sediment I Drift Depos	ology Indicators: tors (minimum of o ater (A1) or Table (A2) (A3) rks (B1) Deposits (B2) sits (B3)	ne is require	Water-Stai MLRA Salt Crust Aquatic Inv Hydrogen Oxidized R	ned Lea 1, 2, 4A, (B11) vertebrat Sulfide (Calcium)	es (B13) Odor (C1) eres on L) ₋iving R	t _ _ _ _	Water-S 4A, a Drainage Dry-Sea Saturation Geomor	tained Leaves (B9) (MLRA 1 nd 4B) e Patterns (B10) son Water Table (C2) on Visible on Aerial Imagery phic Position (D2)	, 2
Wetland Hydro Primary Indicat X Surface W X High Wate X Saturation Water Mar Sediment I Drift Depos	ology Indicators: tors (minimum of o ater (A1) or Table (A2) (A3) ks (B1) Deposits (B2) sits (B3) or Crust (B4)	ne is require	Water-Stai MLRA Salt Crust Aquatic Inv Hydrogen	ned Lea 1, 2, 4A, (B11) vertebrat Sulfide C chizosph of Reduce	es (B13) Odor (C1) eres on L) Living Ro C4)	oots (C3)	Water-S 4A, a Drainage Dry-Sea Saturation Geomor Shallow	tained Leaves (B9) (MLRA 1 nd 4B) e Patterns (B10) son Water Table (C2) on Visible on Aerial Imagery	, 2
Wetland Hydro Primary Indicat x Surface W X High Wate x Saturation Water Mar Sediment I Drift Depos Algal Mat o	ology Indicators: tors (minimum of o ater (A1) or Table (A2) (A3) ks (B1) Deposits (B2) sits (B3) or Crust (B4)	ne is require	Water-Stai MLRA Salt Crust Aquatic Inv Hydrogen S Oxidized R Presence of	ned Lea 1, 2, 4A, (B11) vertebrat Sulfide C chizosph of Reduc	es (B13) Odor (C1) eres on L ed Iron (tion in Til) Living Ro C4) Iled Soil	oots (C3)	Water-S 4A, a Drainage Dry-Sea Saturatic Geomor Shallow FAC-Ne	tained Leaves (B9) (MLRA 1 nd 4B) e Patterns (B10) son Water Table (C2) on Visible on Aerial Imagery phic Position (D2) Aquitard (D3)	, 2
Wetland Hydro Primary Indicat x Surface W X High Wate x Saturation Water Mar Sediment I Drift Depos Algal Mat o Iron Depos Surface So	ology Indicators: tors (minimum of o ater (A1) or Table (A2) (A3) ks (B1) Deposits (B2) sits (B3) or Crust (B4) sits (B5)		Water-Stai MLRA Salt Crust Aquatic Inv Hydrogen Oxidized R Presence of Recent Iro Stunted or	ned Lea 1, 2, 4A, (B11) vertebrat Sulfide C chizosph of Reduc n Reduc Stresse	es (B13) Odor (C1) eres on Led Iron (tion in Tild) Living Ro C4) Iled Soil	oots (C3)	Water-S 4A, a Drainage Dry-Sea Saturatio Geomor Shallow FAC-Nee Raised A	tained Leaves (B9) (MLRA 1 nd 4B) e Patterns (B10) son Water Table (C2) on Visible on Aerial Imagery phic Position (D2) Aquitard (D3) utral Test (D5)	, 2
Wetland Hydro Primary Indicat X Surface W X High Wate X Saturation Water Mar Sediment I Drift Depos Algal Mat of Iron Depos Surface So Inundation	ology Indicators: tors (minimum of o ater (A1) or Table (A2) (A3) ks (B1) Deposits (B2) sits (B3) or Crust (B4) sits (B5) oil Cracks (B6)	magery (B7)	Water-Stai MLRA Salt Crust Aquatic Inv Hydrogen Oxidized R Presence of Recent Iro Stunted or Other (Exp	ned Lea 1, 2, 4A, (B11) vertebrat Sulfide C chizosph of Reduc n Reduc Stresse	es (B13) Odor (C1) eres on Led Iron (tion in Tild) Living Ro C4) Iled Soil	oots (C3)	Water-S 4A, a Drainage Dry-Sea Saturatio Geomor Shallow FAC-Nee Raised A	tained Leaves (B9) (MLRA 1 nd 4B) e Patterns (B10) son Water Table (C2) on Visible on Aerial Imagery phic Position (D2) Aquitard (D3) utral Test (D5) Ant Mounds (D6) (LRR A)	, 2
Wetland Hydro Primary Indicat X Surface W X High Wate X Saturation Water Mar Sediment I Drift Depos Algal Mat of Iron Depos Surface So Inundation	tors (minimum of o later (A1) or Table (A2) (A3) lks (B1) Deposits (B2) sits (B3) or Crust (B4) sits (B5) oil Cracks (B6) Visible on Aerial In	magery (B7)	Water-Stai MLRA Salt Crust Aquatic Inv Hydrogen Oxidized R Presence of Recent Iro Stunted or Other (Exp	ned Lea 1, 2, 4A, (B11) vertebrat Sulfide C chizosph of Reduc n Reduc Stresse	es (B13) Odor (C1) eres on Led Iron (tion in Tild) Living Ro C4) Iled Soil	oots (C3)	Water-S 4A, a Drainage Dry-Sea Saturatio Geomor Shallow FAC-Nee Raised A	tained Leaves (B9) (MLRA 1 nd 4B) e Patterns (B10) son Water Table (C2) on Visible on Aerial Imagery phic Position (D2) Aquitard (D3) utral Test (D5) Ant Mounds (D6) (LRR A)	, 2
Wetland Hydro Primary Indicat X Surface W X High Wate X Saturation Water Mar Sediment I Drift Depos Algal Mat of Iron Depos Surface So Inundation Sparsely V	tors (minimum of o ater (A1) or Table (A2) (A3) ks (B1) Deposits (B2) sits (B3) or Crust (B4) sits (B5) bil Cracks (B6) Visible on Aerial Independent	magery (B7)	Water-Stai MLRA Salt Crust Aquatic Inv Hydrogen Oxidized R Presence of Recent Iro Stunted or Other (Exp	ned Lea 1, 2, 4A, (B11) vertebrat Sulfide C hizosph of Reduc n Reduc Stresse lain in R	es (B13) Odor (C1) eres on Led Iron (tion in Tild	.iving Ro C4) Iled Soil (D1) (LI	oots (C3)	Water-S 4A, a Drainage Dry-Sea Saturatio Geomor Shallow FAC-Nee Raised A	tained Leaves (B9) (MLRA 1 nd 4B) e Patterns (B10) son Water Table (C2) on Visible on Aerial Imagery phic Position (D2) Aquitard (D3) utral Test (D5) Ant Mounds (D6) (LRR A)	, 2
Wetland Hydro Primary Indicat x Surface W X High Wate x Saturation Water Mar Sediment I Drift Depos Algal Mat of Iron Depos Surface So Inundation Sparsely V Field Observa	ology Indicators: tors (minimum of o ater (A1) or Table (A2) (A3) ks (B1) Deposits (B2) sits (B3) or Crust (B4) sits (B5) oil Cracks (B6) Visible on Aerial In regetated Concave	magery (B7) Surface (B8	Water-Stai MLRA Salt Crust Aquatic Inv Hydrogen Oxidized R Presence of Recent Iro Stunted or Other (Exp	ned Lea 1, 2, 4A, (B11) vertebrat Sulfide (Chizosph of Reduct on Reduct Stresse lain in R Depth (i	es (B13) Dor (C1) eres on L eed Iron (tion in Til d Plants emarks) nches): _ nches): _	Living Ro C4) Illed Soil (D1) (LI	oots (C3)	Water-S 4A, a Drainage Dry-Sea Saturatio Geomor Shallow FAC-Nee Raised A	tained Leaves (B9) (MLRA 1 nd 4B) e Patterns (B10) son Water Table (C2) on Visible on Aerial Imagery phic Position (D2) Aquitard (D3) utral Test (D5) Ant Mounds (D6) (LRR A)	, 2
Wetland Hydro Primary Indicat x Surface W X High Wate x Saturation Water Mar Sediment I Drift Depos Algal Mat o Iron Depos Surface So Inundation Sparsely V Field Observa Surface Water	ology Indicators: tors (minimum of o ater (A1) or Table (A2) (A3) ks (B1) Deposits (B2) sits (B3) or Crust (B4) sits (B5) oil Cracks (B6) Visible on Aerial In regetated Concave utions: Present? Ye	magery (B7) Surface (B8	Water-Stai MLRA Salt Crust Aquatic Inv Hydrogen Oxidized R Presence of Recent Iro Stunted or Other (Exp	ned Lea 1, 2, 4A, (B11) vertebrat Sulfide (Chizosph of Reduct on Reduct Stresse lain in R Depth (i	es (B13) Dor (C1) eres on L eed Iron (tion in Til d Plants emarks)	Living Ro C4) Illed Soil (D1) (LI	oots (C3)	Water-S 4A, a Drainage Dry-Sea Saturatio Geomor Shallow FAC-Nee Raised A Frost-He	tained Leaves (B9) (MLRA 1 nd 4B) e Patterns (B10) son Water Table (C2) on Visible on Aerial Imagery phic Position (D2) Aquitard (D3) utral Test (D5) Ant Mounds (D6) (LRR A)	(C9)
Wetland Hydro Primary Indicat x Surface W X High Wate x Saturation Water Mar Sediment I Drift Depos Algal Mat of Iron Depos Surface So Inundation Sparsely V Field Observa Surface Water Water Table Pr Saturation Pres (includes capill	tors (minimum of o later (A1) or Table (A2) (A3) or Ks (B1) Deposits (B2) sits (B3) or Crust (B4) sits (B5) oil Cracks (B6) Visible on Aerial In regetated Concave utions: Present? Yesent? Yesent? Yesent? Yesary fringe)	magery (B7) s Surface (B8 ss x ss x	Water-Stai MLRA Salt Crust Aquatic Inv Hydrogen Oxidized R Presence of Recent Iro Stunted or Other (Exp No No No	ned Lea 1, 2, 4A, (B11) vertebrat Sulfide C chizosph of Reduc n Reduc Stresse lain in R Depth (i Depth (i	es (B13) Odor (C1) eres on L eed Iron (tion in Til d Plants emarks) nches): _ nches): _ nches): _	Living Ro C4) Illed Soil (D1) (LI	oots (C3) 2 s (C6) RR A)	Water-S 4A, a Drainage Dry-Sea Saturation Geomor Shallow FAC-Nee Raised A Frost-He	tained Leaves (B9) (MLRA 1 nd 4B) e Patterns (B10) son Water Table (C2) on Visible on Aerial Imagery phic Position (D2) Aquitard (D3) atral Test (D5) Ant Mounds (D6) (LRR A) eave Hummocks (D7)	(C9)
Wetland Hydro Primary Indicat x Surface W X High Wate x Saturation Water Mar Sediment I Drift Depos Algal Mat of Iron Depos Surface So Inundation Sparsely V Field Observa Surface Water Water Table Pr Saturation Pres (includes capill	cology Indicators: tors (minimum of o later (A1) or Table (A2) (A3) or Ks (B1) Deposits (B2) sits (B3) or Crust (B4) sits (B5) oil Cracks (B6) Visible on Aerial In legetated Concave lations: Present? Yesent? Yesent? Yesent? Yesent?	magery (B7) s Surface (B8 ss x ss x	Water-Stai MLRA Salt Crust Aquatic Inv Hydrogen Oxidized R Presence of Recent Iro Stunted or Other (Exp No No No	ned Lea 1, 2, 4A, (B11) vertebrat Sulfide C chizosph of Reduc n Reduc Stresse lain in R Depth (i Depth (i	es (B13) Odor (C1) eres on L eed Iron (tion in Til d Plants emarks) nches): _ nches): _ nches): _	Living Ro C4) Illed Soil (D1) (LI	oots (C3) 2 s (C6) RR A)	Water-S 4A, a Drainage Dry-Sea Saturation Geomor Shallow FAC-Nee Raised A Frost-He	tained Leaves (B9) (MLRA 1 nd 4B) e Patterns (B10) son Water Table (C2) on Visible on Aerial Imagery phic Position (D2) Aquitard (D3) atral Test (D5) Ant Mounds (D6) (LRR A) eave Hummocks (D7)	(C9)
Wetland Hydro Primary Indicat x Surface W X High Wate x Saturation Water Mar Sediment I Drift Depos Algal Mat o Iron Depos Surface So Inundation Sparsely V Field Observa Surface Water Water Table Po Saturation Pres (includes capill Describe Reco	tors (minimum of o later (A1) or Table (A2) (A3) or Ks (B1) Deposits (B2) sits (B3) or Crust (B4) sits (B5) oil Cracks (B6) Visible on Aerial In regetated Concave utions: Present? Yesent? Yesent? Yesent? Yesary fringe)	magery (B7) s Surface (B8 ss x ss x	Water-Stai MLRA Salt Crust Aquatic Inv Hydrogen Oxidized R Presence of Recent Iro Stunted or Other (Exp No No No	ned Lea 1, 2, 4A, (B11) vertebrat Sulfide C chizosph of Reduc n Reduc Stresse lain in R Depth (i Depth (i	es (B13) Odor (C1) eres on L eed Iron (tion in Til d Plants emarks) nches): _ nches): _ nches): _	Living Ro C4) Illed Soil (D1) (LI	oots (C3) 2 s (C6) RR A)	Water-S 4A, a Drainage Dry-Sea Saturation Geomor Shallow FAC-Nee Raised A Frost-He	tained Leaves (B9) (MLRA 1 nd 4B) e Patterns (B10) son Water Table (C2) on Visible on Aerial Imagery phic Position (D2) Aquitard (D3) atral Test (D5) Ant Mounds (D6) (LRR A) eave Hummocks (D7)	(C9)
Wetland Hydro Primary Indicat x Surface W X High Wate x Saturation Water Mar Sediment I Drift Depos Algal Mat of Iron Depos Surface So Inundation Sparsely V Field Observa Surface Water Water Table Pr Saturation Pres (includes capill	tors (minimum of o later (A1) or Table (A2) (A3) or Ks (B1) Deposits (B2) sits (B3) or Crust (B4) sits (B5) oil Cracks (B6) Visible on Aerial In regetated Concave utions: Present? Yesent? Yesent? Yesent? Yesary fringe)	magery (B7) s Surface (B8 ss x ss x	Water-Stai MLRA Salt Crust Aquatic Inv Hydrogen Oxidized R Presence of Recent Iro Stunted or Other (Exp No No No	ned Lea 1, 2, 4A, (B11) vertebrat Sulfide C chizosph of Reduc n Reduc Stresse lain in R Depth (i Depth (i	es (B13) Odor (C1) eres on L eed Iron (tion in Til d Plants emarks) nches): _ nches): _ nches): _	Living Ro C4) Illed Soil (D1) (LI	oots (C3) 2 s (C6) RR A)	Water-S 4A, a Drainage Dry-Sea Saturation Geomor Shallow FAC-Nee Raised A Frost-He	tained Leaves (B9) (MLRA 1 nd 4B) e Patterns (B10) son Water Table (C2) on Visible on Aerial Imagery phic Position (D2) Aquitard (D3) atral Test (D5) Ant Mounds (D6) (LRR A) eave Hummocks (D7)	(C9)
Wetland Hydro Primary Indicat x Surface W X High Wate x Saturation Water Mar Sediment I Drift Depos Algal Mat o Iron Depos Surface So Inundation Sparsely V Field Observa Surface Water Water Table Po Saturation Pres (includes capill Describe Reco	tors (minimum of o later (A1) or Table (A2) (A3) or Ks (B1) Deposits (B2) sits (B3) or Crust (B4) sits (B5) oil Cracks (B6) Visible on Aerial In regetated Concave utions: Present? Yesent? Yesent? Yesent? Yesary fringe)	magery (B7) s Surface (B8 ss x ss x	Water-Stai MLRA Salt Crust Aquatic Inv Hydrogen Oxidized R Presence of Recent Iro Stunted or Other (Exp No No No	ned Lea 1, 2, 4A, (B11) vertebrat Sulfide C chizosph of Reduc n Reduc Stresse lain in R Depth (i Depth (i	es (B13) Odor (C1) eres on L eed Iron (tion in Til d Plants emarks) nches): _ nches): _ nches): _	Living Ro C4) Illed Soil (D1) (LI	oots (C3) 2 s (C6) RR A)	Water-S 4A, a Drainage Dry-Sea Saturation Geomor Shallow FAC-Nee Raised A Frost-He	tained Leaves (B9) (MLRA 1 nd 4B) e Patterns (B10) son Water Table (C2) on Visible on Aerial Imagery phic Position (D2) Aquitard (D3) atral Test (D5) Ant Mounds (D6) (LRR A) eave Hummocks (D7)	(C9)

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Project/Site: Post Creek Hill - US 93	nty: Lake		Sampling Date:	9-18-2024		
Applicant/Owner: MDT		_		State: MT	Sampling Point	: WDP-6B-24(2)
Investigator(s): B.Cline, F.Doty		Section, T	ownship, Rai	nge: S23 T19N R20W		
Landform (hillside, terrace, etc.): roadside		Local relief (c	oncave, conv	ex, none): concave	Slo	ope (%): 0-5
Subregion (LRR/MLRA): LRR E, MLRA 44A	Lat:	47.39274	19 L	ong: -114.097503	Datum:	NAD93
Soil Map Unit Name: Lamoose loam, 0 to 2 percent sk	opes			NWI classi	fication: PSS1C	
Are climatic / hydrologic conditions on the site typical f	or this time o	f year?	Yes X	No (If no, ex	olain in Remarks.)	
Are Vegetation, Soil, or Hydrology	significantly	disturbed? A	Are "Normal C	ircumstances" present?	Yes N	No
Are Vegetation , Soil , or Hydrology					·	
SUMMARY OF FINDINGS – Attach site m						atures, etc.
Hydric Soil Present? Yes X N	lo lo		e Sampled Ai		No	
Remarks: VEGETATION – Use scientific names of p	olants.					
	Absolute	Dominant	Indicator			
Tree Stratum (Plot size: 30')	% Cover	Species?	Status	Dominance Test wo		
1. 2.				Number of Dominant Are OBL, FACW, or F	•	4 (A)
3.				Total Number of Dom		(` ')
4.				Across All Strata:		5 (B)
		=Total Cover		Percent of Dominant	•	
Sapling/Shrub Stratum (Plot size: 30')	V	FACIL	Are OBL, FACW, or F	AC:	80.0% (A/B)
Populus tremuloides Alnus viridis	10	Yes Yes	FACU FACW	Prevalence Index wo	orksheet:	
3.		163	TACW	Total % Cover of		lv bv:
4.					5 x 1 =	25
5.				FACW species 5	0 x 2 =	100
_	30	=Total Cover		FAC species 2	2 x 3 =	66
Herb Stratum (Plot size: 30')				· · · · ·	5 x 4 =	60
1. Typha latifolia	15	Yes	OBL) x 5 =	0
2. Epilobium ciliatum	15	Yes	FACW		12 (A)	251 (B)
3. Phalaris arundinacea 4.	15	Yes	<u>FACW</u>	Prevalence Index	= B/A =2.2	<u>'4</u>
5. Carex nebrascensis	10	No	OBL	Hydrophytic Vegetat	ion Indicators:	
6. Geum macrophyllum	5	No	FAC		Hydrophytic Vege	etation
7. Cirsium arvense	5	No	FAC	X 2 - Dominance Te	, , , ,	
8. Solanum nigrum	5	No	FACU	X 3 - Prevalence In	dex is ≤3.0 ¹	
9. Dipsacus fullonum	12	No	FAC		Adaptations ¹ (Prov	
10					s or on a separate	sheet)
11				5 - Wetland Non-		1
W 1 1 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	82	=Total Cover			ophytic Vegetatior	,
Woody Vine Stratum (Plot size: 30' 1.	,)			¹ Indicators of hydric s be present, unless dis		
2.				Hydrophytic	· ·	
% Bare Ground in Herb Stratum		=Total Cover		Vegetation	X No	<u></u>
Remarks:						

SOIL Sampling Point: WDP-6B-24(2)

Profile Description: (Describe to the depth	needed to docu	ument th	ne indica	tor or c	onfirm the abser	nce of indicators.)
Depth Matrix	Redo	x Featur	es			
(inches) Color (moist) %	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-2 10YR 2/1 100					Muck	
2-6 10YR 2/2 95	7.5YR 4/6	5	С	PL	Loamy/Claye	y Prominent redox concentrations
6-16 10YR 2/2 95	7.5YR 4/6	5	С	PL	Loamy/Claye	
						,
					-	
					-	
¹ Type: C=Concentration, D=Depletion, RM=R	educed Matrix, C	S=Cove	red or Co	ated S	and Grains. ²	² Location: PL=Pore Lining, M=Matrix.
Hydric Soil Indicators: (Applicable to all LF	Rs, unless other	rwise n	oted.)		Indio	cators for Problematic Hydric Soils ³ :
—— Histosol (A1)	Sandy Gle		rix (S4)		2	2 cm Muck (A10) (LRR A, E)
—— Histic Epipedon (A2)	Sandy Red	, ,				Iron-Manganese Masses (F12) (LRR D)
Black Histic (A3)	Stripped M	,	,			Red Parent Material (F21)
Hydrogen Sulfide (A4)	Loamy Mu	-		except	· -	Very Shallow Dark Surface (F22)
1 cm Muck (A9) (LRR D, G)	Loamy Gle	•	` '		(Other (Explain in Remarks)
Depleted Below Dark Surface (A11)	Depleted N	`	,		3, ,,	
Thick Dark Surface (A12)	X Redox Dar		. ,			cators of hydrophytic vegetation and
Sandy Mucky Mineral (S1) 2.5 cm Mucky Peat or Peat (S2) (LRR G)	Depleted [, ,			wetland hydrology must be present,
	Redox Dep	Diession	s (FO)	1		unless disturbed or problematic.
Restrictive Layer (if observed):						
Type:	_				Undein Cail Dec	vanta Van Van
Depth (inches):	_				Hydric Soil Pre	esent? Yes X No No
Remarks:						
LIVEROLOGY						
HYDROLOGY						
Wetland Hydrology Indicators:					_	
Primary Indicators (minimum of one is require			(5.6)	,		ondary Indicators (2 or more required)
x Surface Water (A1)	Water-Sta			(excep	<u> </u>	Water-Stained Leaves (B9) (MLRA 1, 2
High Water Table (A2)			and 4B)		,	4A, and 4B)
x Saturation (A3) Water Marks (B1)	Salt Crust Aquatic In	-	oc (B13)			Drainage Patterns (B10) Dry-Season Water Table (C2)
Sediment Deposits (B2)	Hydrogen					Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3)	Oxidized F		` ,			Geomorphic Position (D2)
Algal Mat or Crust (B4)	Presence			-		Shallow Aquitard (D3)
Iron Deposits (B5)	Recent Iro					FAC-Neutral Test (D5)
Surface Soil Cracks (B6)	Stunted or				` '	Raised Ant Mounds (D6) (LRR A)
			emarks)	() (· —	Frost-Heave Hummocks (D7)
Inundation Visible on Aerial Imagery (B7)	Other (Exp		,			(
Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8)						
Sparsely Vegetated Concave Surface (B8					<u> </u>	
Sparsely Vegetated Concave Surface (B8 Field Observations:			nches):	1		
Sparsely Vegetated Concave Surface (B8 Field Observations:	No	Depth (i		1		
Sparsely Vegetated Concave Surface (B8 Field Observations: Surface Water Present? Yes x	No		nches):	1 0	Wetland Hyd	rology Present? Yes X No
Sparsely Vegetated Concave Surface (B8 Field Observations: Surface Water Present? Yes x Water Table Present? Yes	No	Depth (i Depth (i	nches):		Wetland Hyd	rology Present? Yes X No
Sparsely Vegetated Concave Surface (B8 Field Observations: Surface Water Present? Yes x Water Table Present? Yes Saturation Present? Yes x	No No No	Depth (i Depth (i Depth (i	nches):	0		
Sparsely Vegetated Concave Surface (B8 Field Observations: Surface Water Present? Yes x Water Table Present? Yes Saturation Present? Yes x (includes capillary fringe)	No No No	Depth (i Depth (i Depth (i	nches):	0		
Sparsely Vegetated Concave Surface (B8 Field Observations: Surface Water Present? Yes x Water Table Present? Yes Saturation Present? Yes x (includes capillary fringe)	No No No	Depth (i Depth (i Depth (i	nches):	0		
Sparsely Vegetated Concave Surface (B8 Field Observations: Surface Water Present? Yes x Water Table Present? Yes Saturation Present? Yes x (includes capillary fringe) Describe Recorded Data (stream gauge, mon	No No No	Depth (i Depth (i Depth (i	nches):	0		

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Project/Site: Post Creek Hill - US 93	City/Cou	nty: Lake	8	Sampling Date:	9-18-2024		
Applicant/Owner: MDT				State: N	MT S	Sampling Point:	WDP-6C-24
Investigator(s): B.Cline, F.Doty		Section, 1	Γownship, Rar	nge: S23 T19N	R20W		
Landform (hillside, terrace, etc.): riparian		Local relief (c	oncave, conv	ex, none): conc	ave	Slo	pe (%): 0-5
Subregion (LRR/MLRA): LRR E, MLRA 44A	Lat:	47.3946	11 L	ong: -114.09749	92	Datum:	NAD83
Soil Map Unit Name: Lamoose loam, 0 to 2 percent s	_					tion: PSS1C	
Are climatic / hydrologic conditions on the site typical	-	of vear?	Yes X				
Are Vegetation, Soil, or Hydrology		-					lo
Are Vegetation , Soil , or Hydrology	='			olain any answers		<u></u>	
SUMMARY OF FINDINGS – Attach site m	_			•		•	tures. etc.
		1		·		<u> </u>	
	10 10		e Sampled Ai n a Wetland?		Χ	No	
	10 	*****	ii a wodana.	100			
Remarks:		<u> </u>					
This area is a mosaic of PFO and small upland areas	s due to its hu	ımmocky land	scape				
VEGETATION – Use scientific names of		Dominant	Indicator				
Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Te	st worksh	neet:	
1. Populus deltoides	30	Yes	FAC	Number of Don	ninant Spe	cies That	
2. Populus alba	15	Yes	UPL	Are OBL, FAC			3 (A)
3				Total Number of	of Dominar	nt Species	
4				Across All Stra			5 (B)
Sapling/Shrub Stratum (Plot size: 30'	45	=Total Cover		Percent of Dom Are OBL, FAC\	•		60.0% (A/B
1. Populus deltoides	_) 10	Yes	FAC	Ale OBL, FACI	V, OI FAC		0.0 % (A/D
2. Populus alba	10	Yes	UPL	Prevalence Inc	dex works	heet:	
3.				Total % C	over of:	Multiply	y by:
4.				OBL species	0	x 1 =	0
5				FACW species	60	x 2 =	120
	20	=Total Cover		FAC species	40		120
Herb Stratum (Plot size: 30')	60	Voc	EAC)//	FACU species		x 4 = x 5 =	125
Phalaris arundinacea 2.	60	Yes	FACW	UPL species Column Totals:	25 125		125 365 (B)
3.				Prevalence		`	
4.							
5.				Hydrophytic V	egetation	Indicators:	
6.				1 - Rapid T	est for Hy	drophytic Veget	tation
7				X 2 - Domina	nce Test is	s >50%	
8				X 3 - Prevale			
9.					-	aptations ¹ (Provi	
10	<u> </u>					r on a separate	sneet)
11	60	=Total Cover				cular Plants ¹ ytic Vegetation	¹ (Evolain)
Woody Vine Stratum (Plot size: 30') 00	- Total Cover					
1	-'			¹ Indicators of higher be present, unle			
2.						1.22.2116	
		=Total Cover		Hydrophytic Vegetation			
% Bare Ground in Herb Stratum				Present?	Yes X	<u> No</u>	
Remarks:							

SOIL Sampling Point: WDP-6C-24

Profile Desc	ription: (Descril	oe to the depth	needed to doc	ument th	ne indica	tor or o	confirm the	absence o	f indicators.	.)	
Depth	Matrix	·	Redo	x Featur	es						
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Tex	ture		Remarks	
0-6	10YR 3/2	95	10YR 4/6	5	С	М	Loamy	/Clayey		roots present	
6-18	10YR 3/2	95	10YR 4/6	5	С	М	Loamy	/Clayey	Prominer	nt redox conce	entrations
							·	<u>, , , </u>			
	1										
¹ Type: C=Co	oncentration, D=D	epletion, RM=R	educed Matrix, C	CS=Cove	ered or Co	ated S	and Grains.	² Loca	tion: PL=Poi	re Lining, M=N	//atrix.
Hydric Soil I	ndicators: (Appl	icable to all LR	Rs, unless othe	erwise n	oted.)			Indicators	s for Proble	matic Hydric	Soils ³ :
Histosol	(A1)		Sandy Gle	yed Mat	rix (S4)			2 cm	Muck (A10) ((LRR A, E)	
Histic Ep	oipedon (A2)		Sandy Red	dox (S5)				Iron-M	/langanese M	lasses (F12) ((LRR D)
Black His	stic (A3)		Stripped M	/latrix (S	3)			Red F	Parent Materi	al (F21)	
Hydroge	n Sulfide (A4)		Loamy Mu	icky Mine	eral (F1) ((except	t MLRA 1)	Very S	Shallow Dark	Surface (F22	<u>!</u>)
1 cm Mu	ck (A9) (LRR D, 0	3)	Loamy Gle	eyed Ma	trix (F2)			Other	(Explain in F	Remarks)	
Depleted	l Below Dark Surf	ace (A11)	Depleted I	Matrix (F	3)						
Thick Da	ark Surface (A12)		X Redox Da	rk Surfac	ce (F6)			³ Indicators	s of hydrophy	tic vegetation	and
Sandy M	Sandy Mucky Mineral (S1)Depleted Dark Surface (F7)							wetlar	nd hydrology	must be pres	ent,
2.5 cm N	2.5 cm Mucky Peat or Peat (S2) (LRR G) Redox Depressions (F8)							unless	s disturbed o	r problematic.	
Restrictive I	_ayer (if observe	d):									
Type:			_								
Depth (ir	nches):		_				Hydric S	oil Present	?	Yes X	No
Remarks:											
HYDROLO	GY										
Wetland Hyd	drology Indicator	s:									
Primary Indic	cators (minimum o	of one is required						Secondar	y Indicators (2 or more req	uired)
Surface	Water (A1)		x Water-Sta	ined Lea	ives (B9)	(excep	t	Water	r-Stained Lea	aves (B9) (ML	RA 1, 2
High Wa	ter Table (A2)				and 4B)			4A	, and 4B)		
Saturatio			Salt Crust	, ,					age Patterns		
	arks (B1)		Aquatic In						eason Water	` ,	
	nt Deposits (B2)		Hydrogen		, ,					on Aerial Ima	gery (C9)
	oosits (B3)		Oxidized F			_	loots (C3)		orphic Positi		
	t or Crust (B4)		Presence		,	•	In (CC)		ow Aquitard (-	
	osits (B5) Soil Cracks (B6)		Recent Iro				` '		Neutral Test		۸.\
	on Visible on Aeria	al Imageny (R7)	Stunted or Other (Exp			(D1) (L	KK A)		Heave Humr	ls (D6) (LRR / mocks (D7)	-1)
	Vegetated Conc			Jiaiii iii i	(Ciliaiks)				i leave i luiili	IIOCKS (D1)	
		ave ouriace (Bo	<u> </u>								
Field Observ Surface Water		Yes	No x	Depth (i	inches).						
Water Table		Yes	No x		inches):						
Saturation Pr		Yes	No x	Depth (i	_		Wetlan	d Hydrolog	y Present?	Yes X	No
(includes cap			<u> </u>	- sp.11 (1	_		1.500	yu. 0.09	,	<u>//</u>	,
	Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:										
	,		- ,		•	•	**				
Remarks:											
Ī											

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Project/Site: Post Creek Hill - US 93		City/Cour	nty: <u>Lake</u>		Sampling Date:	9-17-2024	
Applicant/Owner: MDT				State: MT	Sampling Point:	WDP-7-24(1)	
Investigator(s): B.Cline, F.Doty		Section, Township, Range: S23 T19N R20W					
Landform (hillside, terrace, etc.): riparian		Local relief (co	Slo	pe (%): 0-5			
Subregion (LRR/MLRA): LRR E, MLRA 44A	Lat:	47.39745	53 L	ong: -114.097084	Datum:	NAD83	
Soil Map Unit Name: Lamoose loam, 0 to 2 percent slo	pes			NWI classit	fication: R3UBFx	,	
Are climatic / hydrologic conditions on the site typical fo	r this time o			No (If no, exp			
Are Vegetation, Soil, or Hydrologys	ignificantly						
Are Vegetation, Soil, or Hydrologyr					· 	,	
SUMMARY OF FINDINGS – Attach site ma						ıtures, etc.	
Hydrophytic Vegetation Present? Yes X No	·	Is the	Sampled A	rea			
			n a Wetlandî		No		
Wetland Hydrology Present? Yes X No							
Remarks:		·					
VEGETATION - Use scientific names of pl	lants.						
	Absolute	Dominant	Indicator				
Tree Stratum (Plot size: 30')	% Cover	Species?	Status	Dominance Test wor			
1				Number of Dominant 3 Are OBL, FACW, or F	•	4 (A)	
3.				Total Number of Domi	· · · · · · · · · · · · · · · · · · ·	(//)	
4.				Across All Strata:	mant opecies	4 (B)	
		=Total Cover		Percent of Dominant S	Species That		
Sapling/Shrub Stratum (Plot size: 30')				Are OBL, FACW, or F	AC: 10	00.0% (A/B)	
1.							
2.				Prevalence Index wo		la a la cara	
3. 4.				Total % Cover of OBL species 7		75	
5.					0 x2=	20	
o		=Total Cover			x3 =	15	
Herb Stratum (Plot size: 30')	-				3 x 4 =	32	
1. Typha latifolia	20	Yes	OBL	UPL species () x 5 =	0	
2. <u>Lemna minor</u>	15	Yes	OBL		8 (A)	142 (B)	
3. Carex nebrascensis	25	Yes	OBL	Prevalence Index	= B/A = <u>1.4</u>	5	
4.							
5. Epilobium ciliatum	10 15	No Voc	FACW_ OBL	Hydrophytic Vegetat		tation	
Eleocharis palustris Rumex crispus	5	Yes No	FAC	X 2 - Dominance Te	Hydrophytic Vege	tation	
8. Solanum nigrum	8	No	FACU	X 3 - Prevalence Inc			
9.					Adaptations ¹ (Provi	ide supporting	
10.				data in Remark	s or on a separate	sheet)	
11				5 - Wetland Non-	∕ascular Plants¹		
	98	=Total Cover		Problematic Hydro	ophytic Vegetation	¹ (Explain)	
Woody Vine Stratum (Plot size: 30')				¹ Indicators of hydric so			
1.				be present, unless dis	turbed or problema	atic.	
2		-Total Cover		Hydrophytic			
% Bare Ground in Herb Stratum		=Total Cover		Vegetation Present? Yes	X No		
				. 1636111: 163	<u> </u>		
Remarks:							

SOIL Sampling Point: WDP-7-24(1)

Profile Desc	ription: (Describe	to the depth	needed to docu	ument th	ne indica	tor or o	confirm the	absence of	indicators.)			
Depth	Matrix		Redo	x Featur	es							
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Tex	ture	Remarks			
0-3	2.5YR 3/1	100					Mucky Lo	oam/Clay	roots presen	t		
3-9	10YR 4/1	100					Loamy	/Clayey				
9-18	2.5Y 6/1	60	10YR 5/8	40	С	M	Loamy	/Clayey	Prominent redox cond	entrations		
	•											
l 												
	1											
¹ Type: C=Co	oncentration, D=Dep	letion, RM=R	educed Matrix, C	S=Cove	red or Co	ated S	and Grains.	² Locat	ion: PL=Pore Lining, M=	Matrix.		
Hydric Soil I	ndicators: (Applica	ble to all LR	Rs, unless othe	erwise n	oted.)			Indicators	for Problematic Hydric	: Soils ³ :		
Histosol	(A1)		Sandy Gle	yed Mat	rix (S4)			2 cm M	Muck (A10) (LRR A, E)			
Histic Ep	oipedon (A2)		Sandy Red	dox (S5)				Iron-M	anganese Masses (F12)	(LRR D)		
Black His	stic (A3)		Stripped M	latrix (S6	6)			Red P	arent Material (F21)			
X Hydroge	n Sulfide (A4)		Loamy Mu	cky Mine	eral (F1) (except	t MLRA 1)	Very S	Shallow Dark Surface (F2	2)		
1 cm Mu	ck (A9) (LRR D, G)		Loamy Gle	eyed Mat	rix (F2)			Other	(Explain in Remarks)			
Depleted	l Below Dark Surface	e (A11)	X Depleted N	Matrix (F	3)							
Thick Da	rk Surface (A12)		Redox Dar	k Surfac	e (F6)			³ Indicators	of hydrophytic vegetatio	n and		
Sandy M	lucky Mineral (S1)		Depleted [Dark Sur	face (F7)			wetlan	d hydrology must be pre-	sent,		
2.5 cm M	2.5 cm Mucky Peat or Peat (S2) (LRR G) Redox Depressions (F8)							unless	disturbed or problemation).		
Restrictive L	ayer (if observed):											
Type:			_									
Depth (in	nches):		_ _				Hydric S	oil Present?	Yes X	No		
Remarks:												
HYDROLO	GY											
Wetland Hyd	drology Indicators:											
_	cators (minimum of c	ne is require	d; check all that a	apply)				Secondary	Indicators (2 or more re	quired)		
x Surface	Water (A1)		Water-Stai	ined Lea	ves (B9)	(ехсер	t	Water	-Stained Leaves (B9) (M	LRA 1, 2		
High Wa	ter Table (A2)		MLRA	1, 2, 4A,	and 4B)			4A	, and 4B)			
x Saturation	on (A3)		Salt Crust	(B11)				Draina	ige Patterns (B10)			
Water M	arks (B1)		Aquatic Inv	vertebrat	es (B13)			Dry-Se	eason Water Table (C2)			
Sedimen	t Deposits (B2)		X Hydrogen	Sulfide (Odor (C1)			Satura	ition Visible on Aerial Ima	agery (C9)		
Drift Dep	osits (B3)		Oxidized R	Rhizosph	eres on L	iving R	toots (C3)	x Geom	orphic Position (D2)			
Algal Ma	t or Crust (B4)		Presence of	of Reduc	ced Iron (C4)		Shallo	w Aquitard (D3)			
Iron Dep	osits (B5)		Recent Iro	n Reduc	tion in Til	led Soi	ls (C6)	FAC-N	leutral Test (D5)			
Surface	Soil Cracks (B6)		Stunted or	Stresse	d Plants	(D1) (L l	RR A)	Raised	d Ant Mounds (D6) (LRR	A)		
Inundatio	on Visible on Aerial I	magery (B7)	Other (Exp	olain in R	temarks)			Frost-l	Heave Hummocks (D7)			
Sparsely	Vegetated Concave	e Surface (B8)									
Field Observ	vations:											
Surface Wate	er Present? Ye	es x	No	Depth (i	nches): _	6						
Water Table	Present? Ye	es	No <u>x</u>	Depth (i	nches):							
Saturation Pr		es x	No	Depth (i	nches): _	0	Wetlan	d Hydrolog	y Present? Yes X	No		
(includes cap												
Describe Red	corded Data (stream	gauge, moni	toring well, aeria	l photos,	previous	inspec	ctions), if av	ailable:				
Downsul												
Remarks:												

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Project/Site: Post Creek Hill - US 93		City/Cou	nty: Lake		Sampling Date:	9-17-2024
Applicant/Owner: MDT				State: MT	Sampling Point:	WDP-7-24(2)
Investigator(s): B.Cline, F.Doty		Section, T	ownship, Ra	nge: S14 T19N R20W		
Landform (hillside, terrace, etc.): roadside ditch		Local relief (co	oncave, conv	ex, none): concave	Slo	pe (%): <u>0-5</u>
Subregion (LRR/MLRA): LRR E, MLRA 44A	Lat:	47.40261	18 L	.ong: <u>-114.096961</u>	Datum:	NAD83
Soil Map Unit Name: Post silt loam, 0 to 2 percent slo	pes		_	NWI classi	fication: none	
Are climatic / hydrologic conditions on the site typical	for this time o	f year?	Yes X	No (If no, exp	olain in Remarks.)	
Are Vegetation, Soil, or Hydrology	significantly	disturbed? A	Are "Normal C	ircumstances" present?	YesN	o
Are Vegetation, Soil, or Hydrology	naturally pro	blematic? (If needed, ex	plain any answers in Re	marks.)	·
SUMMARY OF FINDINGS – Attach site m	- nap showir	ng samplin	g point lo	cations, transects,	important fea	tures, etc.
	No		Sampled A			
	No	withi	n a Wetland	? Yes X	No	
Remarks:						
Nemans.						
VEGETATION – Use scientific names of	plants.					
7	Absolute	Dominant	Indicator			
<u>Tree Stratum</u> (Plot size: <u>30'</u>) 1.	% Cover	Species?	Status	Dominance Test wor		
2.				Number of Dominant Are OBL, FACW, or F	•	3 (A)
3.				Total Number of Dom		()
4.				Across All Strata:		3 (B)
		=Total Cover		Percent of Dominant S	•	
Sapling/Shrub Stratum (Plot size: 30'	_)			Are OBL, FACW, or F	AC: <u>10</u>	00.0% (A/B)
1. 2.	-			Prevalence Index wo	rksheet	
3.	<u> </u>			Total % Cover of		y by:
4.				OBL species 6	0 x 1 =	60
5.				· · —	0 x 2 =	40
		=Total Cover		-	0 x 3 =	30
Herb Stratum (Plot size: 30') 1. Typha latifolia	25	Yes	OBL		x 4 = x 5 =	0
Iypha latifolia Potentilla rivalis	10	No	FACW			150 (B)
3. Epilobium ciliatum	10	No	FACW	Prevalence Index		` ` ′
4.						
5. Eleocharis palustris	20	Yes	OBL	Hydrophytic Vegetat		
6. Lemna minor	15	Yes	OBL	1 - Rapid Test for X 2 - Dominance Te	Hydrophytic Veget	tation
Lactuca serriola Cirsium arvense	5 10	No No	FACU FAC	X 3 - Prevalence Inc		
9.		110	170		Adaptations ¹ (Provi	de supportino
10.					s or on a separate	
11				5 - Wetland Non-		
	95	=Total Cover		Problematic Hydro	ophytic Vegetation	¹ (Explain)
Woody Vine Stratum (Plot size: 30'	_)			¹ Indicators of hydric se		
1 2.				be present, unless dis	turbed or problema	auC.
<u></u>		=Total Cover		Hydrophytic Vegetation		
% Bare Ground in Herb Stratum				-	XNo	
Remarks:						

SOIL Sampling Point: WDP-7-24(2)

	cription: (Describe to Matrix	to the depth				ator or c	onfirm the	absence of in	dicators.)	
Depth (inches)	Color (moist)	%	Color (moist)	k Feature %	Type ¹	Loc ²	Text	ture	Remar	ke
0-5	2.5YR 3/1	100	Color (moist)		1900		Mucky Lo		roots pre	
									•	
5-8	2.5Y 4/1	100					Loamy/		roots pre	seni
8-16	2.5Y 5/1	100					Loamy/	Clayey		
	oncentration, D=Depl					oated Sa	and Grains.		: PL=Pore Lining,	
-	Indicators: (Applica	ble to all Li							r Problematic Hy	
Histosol			Sandy Gley		ix (S4)				ck (A10) (LRR A, E	
	oipedon (A2)		Sandy Red		`				ganese Masses (F	12) (LRR D)
	stic (A3)		Stripped M	,	,	/ -	MI DA 4\		ent Material (F21)	(F00)
	en Sulfide (A4)		X Loamy Muc	-		(except	WILKA 1)		Illow Dark Surface	(F22)
	ick (A9) (LRR D, G) d Below Dark Surface	\(\A11\)	Loamy Gle X Depleted M	-				Other (E	kplain in Remarks)	
	ark Surface (A12)	(A11)	Redox Dari		•			³ Indicators of	hydrophytic vegeta	ation and
	Mucky Mineral (S1)		Depleted D		` '	`			nydrology must be	
	Mucky Peat or Peat (S2) (LRR G)				,			sturbed or problem	
	Layer (if observed):	, ,	<u> </u>		(- /				<u>'</u>	
Type:										
Depth (ii	nches):		_				Hydric So	oil Present?	Yes	X No
Remarks:						<u>1</u>				
HYDROLO	GY									
Wetland Hy	drology Indicators:									
Primary Indi	cators (minimum of o	ne is require	ed; check all that a	ipply)				Secondary In	dicators (2 or more	e required)
x Surface	Water (A1)		Water-Stai	ned Leav	ves (B9)	(excep	t	Water-St	ained Leaves (B9)	(MLRA 1, 2
	ater Table (A2)			I, 2, 4A,	and 4B)		•	nd 4B)	
X Saturation	` ,		Salt Crust (Patterns (B10)	_,
	larks (B1)		Aquatic Inv		•				son Water Table (C	•
	nt Deposits (B2)		X Hydrogen S				1 - (00)		n Visible on Aerial	Imagery (C9)
	posits (B3)		Oxidized R			-	oois (C3)		ohic Position (D2)	
	at or Crust (B4) posits (B5)		Presence of Recent Iron				e (C6)		Aquitard (D3) ıtral Test (D5)	
	Soil Cracks (B6)		Stunted or				` '		nt Mounds (D6) (L	RR A)
	on Visible on Aerial I	magery (B7)					(CA)		ave Hummocks (D	•
	Vegetated Concave	,			oao,				(2	. ,
Field Obser	vations:	•	<u>, </u>							
Surface Wat		s x	No	Depth (ir	nches):	4				
Water Table				Depth (ir	· ·					
Saturation P	resent? Ye	s X	No	Depth (ir	nches):	0	Wetland	d Hydrology P	resent? Yes	X No
(includes cap	pillary fringe)				-					
Describe Re	corded Data (stream	gauge, mor	nitoring well, aerial	photos,	previou	s inspec	tions), if ava	ailable:		
Donesiles										
Remarks:										
Remarks.										

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Project/Site: Post Creek Hill - US 93		City/Cou	nty: Lake			Sampling Date	e: <u>8-7-2024</u>
Applicant/Owner: MDT				State:	MT	Sampling Point	t: WDP-8A-24
Investigator(s): B.Cline, F.Doty		Section, T	ownship, Ran	ge: S24 T19	9N R20W		
Landform (hillside, terrace, etc.): riparian		Local relief (co	oncave, conve	x, none): co	oncave	SI	lope (%): 0-5
Subregion (LRR/MLRA): LRR E, MLRA 44A			2 Lo			<u> </u>	n: NAD83
Soil Map Unit Name: Lamoose loam, 0 to 2 percent sl	_					cation: none	
Are climatic / hydrologic conditions on the site typical t	for this time o	f year?	Yes X	No	(If no, expl	ain in Remarks.))
Are Vegetation, Soil, or Hydrology	significantly	-		<u> </u>		Yes X	
Are Vegetation, Soil, or Hydrology	=		If needed, exp				
SUMMARY OF FINDINGS – Attach site m				-		•	atures, etc.
Hydrophytic Vegetation Present? Yes X N	lo	Is the	Sampled Are	22			
	lo		n a Wetland?		'es X	No	
	lo						
Remarks:		•					
VEGETATION – Use scientific names of p	olants						
	Absolute	Dominant	Indicator				
Tree Stratum (Plot size: 30')	% Cover	Species?	Status	Dominance	Test work	sheet:	
1.				Number of E		•	0 (4)
2. 3.				Are OBL, FA			3 (A)
4				Total Number		ant Species	3(B)
		=Total Cover		Percent of D		necies That	(D)
Sapling/Shrub Stratum (Plot size: 30')			Are OBL, FA			100.0% (A/B)
1							
2.				Prevalence			
3.					Cover of:		oly by:
5.	· 			OBL species			45 46
o	· <u></u>	=Total Cover		FAC species			54
Herb Stratum (Plot size: 30')	-			FACU speci			0
Carex nebrascensis	25	Yes	OBL	UPL species			0
2. Mentha arvensis	15	Yes	FACW	Column Tota			145 (B)
3. Leersia oryzoides	15	Yes	OBL	Prevalen	ce Index =	B/A = 1.	69
Equisetum arvense Rumex crispus	10 8	No No	FAC FAC	Hydronhytia	c Vogotatio	on Indicators:	
6. Salix alba	8	No	FACW		_	Hydrophytic Veg	etation
7. Mimulus guttatus	5	No	OBL	X 2 - Dom			otation
8.				X 3 - Prev			
9.						daptations ¹ (Pro	
10	. <u> </u>					or on a separat	e sheet)
11						ascular Plants ¹	1
Woody Vine Stratum (Plot size: 30'	86	=Total Cover				phytic Vegetatio	` ' '
1	.)					il and wetland hy urbed or problem	
2.				Hydrophytic		J-1-2-2011	
		=Total Cover		Vegetation			
% Bare Ground in Herb Stratum				Present?	Yes_	X No_	<u></u>
Remarks:			<u> </u>				

SOIL Sampling Point: WDP-8A-24

	cription: (Describe	to the depth				tor or c	onfirm the	absence o	f indicators.)		
Depth	Matrix			k Featur	es						
(inches)	Color (moist)	<u> </u>	Color (moist)	<u>%</u>	Type ¹	Loc ²	Tex	ture		Remarks	
0-3	10YR 4/1	100					Loamy/	Clayey	ro	oots present	
3-12	10YR 4/1	95	7.5YR 4/6	5	C	PL/M	Loamy/	Clayey	Prominent	redox concen	trations
12-18	10YR 5/1	100					Loamy/	Clayey		no redox	
		·					•				
									•		
							•				
¹ Type: C=C	oncentration, D=Dep	letion RM=F	Reduced Matrix C	S=Cove	ered or Co	nated S	and Grains	² l oca	tion: PL=Pore	Lining M=Ma	atrix
	Indicators: (Applica					Jaica Ci	and Oranis.		s for Problem		
Histosol		ibic to un Ei	Sandy Gle						Muck (A10) (L	-	0110 .
	pipedon (A2)		Sandy Red						/langanese Ma		RR D)
	istic (A3)		Stripped M						Parent Material		
	en Sulfide (A4)		Loamy Mu	-	-	(except	MLRA 1)		Shallow Dark S	, ,	
1 cm Mu	uck (A9) (LRR D, G)		Loamy Gle	yed Mat	trix (F2)			Other	(Explain in Re	marks)	
Depleted	d Below Dark Surfac	e (A11)	X Depleted M	1atrix (F	3)						
Thick Da	ark Surface (A12)		Redox Dar	k Surfac	e (F6)			³ Indicators	s of hydrophyti	c vegetation a	and
Sandy N			wetlar	nd hydrology m	nust be preser	nt,					
2.5 cm M	Mucky Peat or Peat (S2) (LRR G)	Redox Dep	ression	s (F8)			unless	s disturbed or p	problematic.	
Restrictive	Layer (if observed):										
Type:			_								
Depth (i	nches):		_				Hydric So	oil Present	?	Yes X	No
Remarks:											
HYDROLO	OGY										
	drology Indicators:										
_	cators (minimum of	ne is require	d: check all that a	(ylggr				Secondar	y Indicators (2	or more requi	ired)
X Surface	•		Water-Stai		ives (B9)	(excep			r-Stained Leav		
	ater Table (A2)				and 4B)	-			, and 4B)	(- / (,
X Saturation	on (A3)		Salt Crust	(B11)	,			Draina	age Patterns (I	B10)	
Water M	larks (B1)		Aquatic Inv	ertebrat	tes (B13)			Dry-S	eason Water T	Γable (C2)	
Sedimer	nt Deposits (B2)		Hydrogen \$	Sulfide (Odor (C1))		Satura	ation Visible or	n Aerial Image	ery (C9)
	posits (B3)		X Oxidized R	hizosph	eres on L	iving R	oots (C3)	X Geom	orphic Position	n (D2)	
	at or Crust (B4)		Presence of			-			ow Aquitard (D	-	
	posits (B5)		Recent Iro				, ,		Neutral Test (D	-	
	Soil Cracks (B6)	(0.7)	Stunted or			(D1) (Li	RR A)		d Ant Mounds	, , , ,	1
	on Visible on Aerial I	0, ,		iain in F	(emarks)			Frost-	Heave Humm	ocks (D7)	
	y Vegetated Concave	e Surrace (Bo	9)								
Field Obser		. V	No	Donth (i	nahaa).	2					
Surface Wat		es <u>X</u>			nches):	2					
Water Table Saturation P		es X			nches): _ nches):	0	Wetlan	d Hydrolog	y Present?	Yes X	No
	pillary fringe)	~ <u> </u>		-opui (i			- veciality	, 	,, , , , , , , , , , , , , , , , , , , ,	. 55 _ /	
	corded Data (stream	gauge, mon	itoring well. aerial	photos	. previous	inspec	tions), if ava	ailable:			
	(5.1.5411	5 5-,511	J, aa.idi	,		-12-00	.,,	.=-			
Remarks:											

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Project/Site: Post Creek Hill - US 93		City/Cou	nty: <u>Lake</u>		Sampling Date:	9-18-2024
Applicant/Owner: MDT			'-	State: MT	Sampling Point:	WDP-8B-24
Investigator(s): B.Cline, F.Doty		Section, T	ownship, Ra	nge: S24 T19N R20W		
Landform (hillside, terrace, etc.): riparian		Local relief (co	oncave, conv	ex, none): concave	Slo	pe (%): <u>0-5</u>
Subregion (LRR/MLRA): LRR E, MLRA 44A	Lat:	47.39857	'9 l	 _ong: -114.096499	Datum:	NAD83
Soil Map Unit Name: Bolack silt loam, 0 to 2 percent s	slopes		,		fication: PSS1C	•
Are climatic / hydrologic conditions on the site typical 1	for this time o	f year?	Yes X	No (If no, exp	olain in Remarks.)	
Are Vegetation, Soil, or Hydrology	significantly	disturbed? A	Are "Normal C	Circumstances" present?	Yes N	0
Are Vegetation, Soil, or Hydrology				plain any answers in Rer		
SUMMARY OF FINDINGS – Attach site m			g point lo	cations, transects,	important feat	ures, etc.
Hydrophytic Vegetation Present? Yes X N	lo.	ls the	Sampled A	roa		
	lo lo		n a Wetland		No	
	lo					
Remarks:						
VEGETATION – Use scientific names of p	nlante					
VEGETATION — 03c 3cicnume names of p	Absolute	Dominant	Indicator			
Tree Stratum (Plot size: 30')	% Cover	Species?	Status	Dominance Test wor	ksheet:	
Salix amygdaloides	30	Yes	FACW	Number of Dominant	•	
2.				Are OBL, FACW, or F		4 (A)
3.				Total Number of Dom Across All Strata:	inant Species	4 (D)
4	30	=Total Cover				4 (B)
Sapling/Shrub Stratum (Plot size: 30')	10101 00101		Percent of Dominant S Are OBL, FACW, or F	•	00.0% (A/B)
1. Salix amygdaloides	15	Yes	FACW	, ,		`
2.				Prevalence Index wo	rksheet:	
3				Total % Cover of	. Multiply	/ by:
4				· -	0 x 1 =	30
5	15	=Total Cover		· —	5 x 2 =	130 45
Herb Stratum (Plot size: 30')	10	- Total Cover				40
1. Typha latifolia	30	Yes	OBL	· —	x 5 =	0
Phalaris arundinacea	20	Yes	FACW	Column Totals: 12	20 (A)	245 (B)
3. Rumex crispus	5	No	FAC	Prevalence Index	= B/A = 2.04	4
4. Lactuca serriola	10	No	FACU			
5. Cirsium arvense	10	No	<u>FAC</u>	Hydrophytic Vegetat		
6. 7.				1 - Rapid Test for X 2 - Dominance Te	Hydrophytic Veget	ation
<u> </u>				X 3 - Prevalence Inc		
					Adaptations ¹ (Provid	de supportino
9					s or on a separate	
11.				5 - Wetland Non-\	√ascular Plants ¹	
_	75	=Total Cover		Problematic Hydro	ophytic Vegetation ¹	(Explain)
Woody Vine Stratum (Plot size: 30')			¹ Indicators of hydric s		
1.				be present, unless dis	turbed or problema	tic.
2		=Total Cover		Hydrophytic		
% Bare Ground in Herb Stratum		- i olai Guvel		Vegetation Present? Yes	X No	
Remarks:						

SOIL Sampling Point: WDP-8B-24

Profile Desc Depth	ription: (Describe Matrix	to the depti		ment th		tor or o	confirm the	absence of in	dicators.)	
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Tex	ture	Remarks	
0-6	10YR 2/1	100	,		<u> </u>		Loamy		roots preser	nt
6-10	10YR 2/1	100					Loamy		,	
10-18	2.5Y 5/1	60					Loamy		40% 10YR 2	/1
		· <u></u> -	_							
-							•			
¹ Type: C=Co	oncentration, D=Dep	letion. RM=F	Reduced Matrix. C	S=Cove	red or C	oated S	and Grains.	² Location	: PL=Pore Lining, M=	-Matrix.
	ndicators: (Applica								r Problematic Hydri	
Histosol	(A1)		Sandy Gley	ed Matı	rix (S4)			2 cm Muc	ck (A10) (LRR A, E)	
Histic Ep	ipedon (A2)		Sandy Red		, ,				ganese Masses (F12)	(LRR D)
Black His	stic (A3)		Stripped M	atrix (S6	6)			Red Pare	nt Material (F21)	
Hydroge	n Sulfide (A4)		Loamy Mud	cky Mine	eral (F1)	(except	MLRA 1)	Very Sha	llow Dark Surface (F2	22)
1 cm Mu	ck (A9) (LRR D, G)		Loamy Gle	yed Mat	rix (F2)			Other (Ex	plain in Remarks)	
X Depleted	Below Dark Surface	e (A11)	Depleted M	latrix (F	3)					
	rk Surface (A12)		Redox Dari						hydrophytic vegetation	
	ucky Mineral (S1)		Depleted D)			ydrology must be pre	
	lucky Peat or Peat (Redox Dep	ressions	s (F8)			unless dis	sturbed or problemati	C.
	_ayer (if observed):									
Type:	- I \						Hardela O	- !! D 40	V V	N.
Depth (ir	icnes):						Hyaric So	oil Present?	Yes <u>X</u>	No
Remarks:	lfido odor									
Hydrogen su	ilide odol									
HYDROLO	GY									
Wetland Hyd	drology Indicators:									
Primary Indic	cators (minimum of c	ne is require	ed; check all that a	ipply)				Secondary Inc	<u>dicators (2 or more re</u>	equired)
x Surface			Water-Stair		, ,		t	Water-Sta	ained Leaves (B9) (M	LRA 1, 2
	ter Table (A2)				and 4B))		4A, an	,	
x Saturation	· ,		Salt Crust (Patterns (B10)	
	arks (B1)		Aquatic Inv						on Water Table (C2)	
	t Deposits (B2)		Hydrogen S				. (00)		n Visible on Aerial Im	agery (C9)
	osits (B3)		Oxidized R			_	oots (C3)		hic Position (D2)	
	t or Crust (B4) osits (B5)		Presence of Recent Iron			,	ls (C6)		Aquitard (D3) tral Test (D5)	
	Soil Cracks (B6)		Stunted or						และ rest (D3) nt Mounds (D6) (LRR	Δ)
	on Visible on Aerial I	magery (B7)				. , .	idik A)		ave Hummocks (D7)	.)
	Vegetated Concave	0 , ,			,				(21)	
Field Observ		`	<u>, </u>							
Surface Water		es x	No	Depth (i	nches):	4				
Water Table		es X			nches):					
Saturation P		es X			nches):		Wetlan	d Hydrology P	resent? Yes X	No
(includes cap	oillary fringe)				-					
Describe Rec	corded Data (stream	gauge, mor	nitoring well, aerial	photos,	previous	s inspec	tions), if ava	ailable:		
Remarks:										

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Project/Site: Post Creek Hill - US 93	•	City/Cou	nty: Lake	•	Sampling Date:	8-8-2024
Applicant/Owner: MDT				State: MT	Sampling Point:	WDP-8C-24
Investigator(s): B.Cline, F.Doty		Section, T	ownship, Ra	nge: S13 T19N R20W		
Landform (hillside, terrace, etc.): riparian		Local relief (co	oncave, conv	ex, none): concave	Slc	pe (%): 0-5
Subregion (LRR/MLRA): LRR E, MLRA 44A	<u>.</u>			<u></u>	<u> </u>	NAD83
Soil Map Unit Name: Bolack silt loam, 0 to 2 percent					fication: PEM1C	
Are climatic / hydrologic conditions on the site typical	for this time o	f year?	Yes X	No (If no, exp	olain in Remarks.)	
Are Vegetation, Soil, or Hydrology		-		Circumstances" present?		
Are Vegetation, Soil, or Hydrology	_			plain any answers in Rer		
SUMMARY OF FINDINGS – Attach site m				•	•	tures, etc.
Hydrophytic Vegetation Present? Yes X	No	ls the	Sampled A	roa		
	No		n a Wetland		No	
	No					
Remarks:		<u>. </u>				
VEGETATION – Use scientific names of	plants.					
Trac Stratum (Plat size: 201	Absolute	Dominant	Indicator	Dominanas Taat war	drahaat.	
<u>Tree Stratum</u> (Plot size: 30') 1.	% Cover	Species?	Status	Dominance Test wor		
2.				Number of Dominant S Are OBL, FACW, or F	•	3 (A)
3.				Total Number of Domi		(/,/
4.				Across All Strata:	пап ореско	3 (B)
		=Total Cover		Percent of Dominant S	Species That	
Sapling/Shrub Stratum (Plot size: 30')			Are OBL, FACW, or F	AC: <u>1</u>	00.0% (A/B)
1						
2.	- ——			Prevalence Index wo		
3.				Total % Cover of		
4 5.			FACW	OBL species 3: FACW species 3:		35 70
J		=Total Cover	TAOW	FAC species 3		90
Herb Stratum (Plot size: 30')				FACU species 0		0
1. Typha latifolia	25	Yes	OBL	UPL species 0	x 5 =	0
2. Myosotis asiatica	20	Yes	FAC	Column Totals: 10	00 (A)	195 (B)
3. Persicaria lapathifolia	15	Yes	FACW	Prevalence Index	= B/A =1.9)5
4. Impatiens aurella	10	No No	FACW			
5. Epilobium ciliatum	10	No No	FACW	Hydrophytic Vegetati 1 - Rapid Test for		atation
Leersia oryzoides Rumex crispus		No No	OBL FAC	X 2 - Dominance Te	, , , ,	tation
8. Solanum dulcamara	5	No	FAC	X 3 - Prevalence Inc		
9.				4 - Morphological		ide supporting
10					s or on a separate	
11				5 - Wetland Non-\	/ascular Plants ¹	
	100	=Total Cover		Problematic Hydro	ophytic Vegetation	ւ¹ (Explain)
Woody Vine Stratum (Plot size: 30'	_)			¹ Indicators of hydric so		
1.				be present, unless dis	turbed or problema	atic.
2		-Total Carra		Hydrophytic		
% Bare Ground in Herb Stratum		=Total Cover		Vegetation Present? Yes	X No	
Remarks:						

SOIL Sampling Point: WDP-8C-24

	cription: (Describe	to the depth				tor or o	confirm the	absence of	indicators.)		
Depth	Matrix			x Featur		12	Tave	h	D-		
(inches)	Color (moist)	<u>%</u>	Color (moist)	<u>%</u>	Type ¹	Loc ²	Text			marks	_
0-6	10YR 2/1	100					Loamy/			present	_
6-10	10YR 2/1	95					Loamy/			Redox	
10-18	2.5Y 5/1	60					Loamy/	Clayey	40%	10YR 2/1	
											_
	oncentration, D=Dep					ated S	and Grains.		n: PL=Pore Lin		
=	Indicators: (Applica	able to all Li								: Hydric Soils ³ :	
Histosol			Sandy Gle						uck (A10) (LRR		
	pipedon (A2)		Sandy Red						-	es (F12) (LRR D)	
	istic (A3)		Stripped M	•	•				rent Material (F2	-	
	en Sulfide (A4)		Loamy Mu	•	, , ,	except	MLRA 1)		nallow Dark Surf		
	uck (A9) (LRR D, G)	(4.44)	Loamy Gle	•	, ,			Other (Explain in Rema	rks)	
	d Below Dark Surfac	e (A11)	X Depleted N	,	,			3	61 1 1 0		
	ark Surface (A12)		Redox Dar						of hydrophytic ve	•	
	Mucky Mineral (S1)	CO) // DD C)	Depleted [` '				hydrology must		
	Mucky Peat or Peat (Redox Dep	ression	s (Fo)			uniess	disturbed or prol	летанс.	
Type:	Layer (if observed):										
Depth (i	nchee).		_				Hydric Sc	oil Present?	Va	s X No	
			_				Hyunc 30	on Fresent:	16	<u> </u>	_
Remarks:											
HYDROLO	OGY										
Wetland Hy	drology Indicators:										
	cators (minimum of o	one is require	ed; check all that a	apply)				Secondary	Indicators (2 or i	more required)	
X Surface	Water (A1)		Water-Sta	ined Lea	ives (B9)	(ехсер	t	Water-9	Stained Leaves	(B9) (MLRA 1, 2	
X High Wa	ater Table (A2)		MLRA	1, 2, 4A,	and 4B)			4A,	and 4B)		
X Saturati	on (A3)		Salt Crust	(B11)				Drainag	je Patterns (B10))	
Water M	larks (B1)		Aquatic Inv	vertebra	tes (B13)			Dry-Sea	ason Water Tab	le (C2)	
Sedime	nt Deposits (B2)		Hydrogen	Sulfide (Odor (C1)			Saturat	ion Visible on A	erial Imagery (C9)	
Drift De	posits (B3)		Oxidized R	Rhizosph	eres on L	iving R	oots (C3)	X Geomo	rphic Position (D	02)	
	at or Crust (B4)		Presence of	of Reduc	ced Iron (C4)		Shallow	Aquitard (D3)		
	oosits (B5)		Recent Iro						eutral Test (D5)		
	Soil Cracks (B6)		Stunted or			(D1) (L l	RR A)		Ant Mounds (D6		
	on Visible on Aerial I			lain in F	Remarks)			Frost-H	eave Hummock	s (D7)	
Sparsely	y Vegetated Concave	e Surface (B	3)				•				
Field Obser											
Surface Wat		es X	No		nches):	24					
Water Table				Depth (i	′ –	0				.,	
Saturation P		es X	No	Depth (i	nches):	0	Wetland	d Hydrology	Present? Ye	s_X_ No	
	pillary fringe)		diamina a constituidad de la con	- 4 - ما ما				ilahla.			
Describe Re	ecorded Data (stream	gauge, mon	iitoring well, aeria	ı pnotos	, previous	inspec	cuons), it ava	aliable:			
Remarks:											

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Project/Site: Post Creek Hill - US 93	•	City/Cou	nty: Lake		Sampling Date:	8-8-24
Applicant/Owner: MDT			'	State: MT	Sampling Point:	WDP-8D-24
Investigator(s): B.Cline, F.Doty		Section, T	ownship, Ra	nge: S13 T19 R20W		
Landform (hillside, terrace, etc.): isolated wetland		 Local relief (co	oncave, conv	vex, none): concave	Slo	pe (%): <u>0-5</u>
Subregion (LRR/MLRA): LRR E, MLRA 44A	Lat:	47.39948	5	Long: -114.096573	Datum:	NAD83
Soil Map Unit Name: Bolack silt loam, 0-2 percent sl	opes			NWI classi	fication: PEM1C	
Are climatic / hydrologic conditions on the site typical	for this time o	f year?	Yes X	No (If no, exp	olain in Remarks.)	
Are Vegetation, Soil, or Hydrology	significantly of	disturbed? A	re "Normal (Circumstances" present?	Yes X N	0
Are Vegetation , Soil , or Hydrology	_		f needed, ex	plain any answers in Rei	marks.)	
SUMMARY OF FINDINGS – Attach site n			g point lo	cations, transects,	important feat	tures, etc.
Hydrophytic Vegetation Present? Yes	No	Is the	Sampled A	rea		
	No		n a Wetland		No	
	No					
Remarks:		•				
VEGETATION – Use scientific names of	-					
<u>Tree Stratum</u> (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test wor	·ksheet·	
1.	70 00001	ореско:	Otatas	Number of Dominant		
2.				Are OBL, FACW, or F	•	1 (A)
3.				Total Number of Dom	inant Species	
4				Across All Strata:		1 (B)
	<u> </u>	=Total Cover		Percent of Dominant		
Sapling/Shrub Stratum (Plot size: 30'	_)			Are OBL, FACW, or F	AC: 10	00.0% (A/B)
1. 2.				Prevalence Index wo	rkshoot:	
2				Total % Cover of		v bv:
4.					8 x 1 =	18
5.				FACW species 6	5 x 2 =	130
		=Total Cover		FAC species 1	5 x 3 =	45
Herb Stratum (Plot size: 30')				· · · · ·) x 4 =	0
1. Juncus balticus	65	Yes	FACW		x 5 =	0 102 (D)
Poa pratensis Leersia oryzoides	15 10	No No	FAC OBL	Column Totals: 9 Prevalence Index	` ′	193 (B)
4. Typha latifolia	8	No	OBL	1 Tovalcrice much	- B/A - 1.5	<u> </u>
5.				Hydrophytic Vegetat	ion Indicators:	
6.					Hydrophytic Vege	tation
7.				X 2 - Dominance Te	est is >50%	
8				3 - Prevalence Inc		
9.					Adaptations ¹ (Provi s or on a separate	
10				5 - Wetland Non-	•	sneet)
11	98	=Total Cover			vascular Plants ophytic Vegetation	¹ (Explain)
Woody Vine Stratum (Plot size: 30')	- rotal Govel		¹ Indicators of hydric s		
1.	_′			be present, unless dis		
2.				Hydrophytic	•	
		=Total Cover		Vegetation		
% Bare Ground in Herb Stratum				Present? Yes	No	<u> </u>
Remarks:						

SOIL Sampling Point: WDP-8D-24

Profile Desc Depth	cription: (Describe t Matrix	o the dep		ument tl x Featur		tor or o	confirm the	absence of ind	licators.)	
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Text	ture	Remarks	
0-4	10YR 2/2	100					Loamy/	Clayey	roots prese	nt
4-9	10YR 2/2	100					Loamy/		·	
9-16	10YR 5/1	60					Loamy/		40% 10YR 2	2/2
0.0									1070 101112	-, <u>-</u>
1 _{Type:} C=C	anachtration D=Donl		Doduced Metrix (and Crains	2l postion.	PL=Pore Lining, M=	-Matrix
• • • • • • • • • • • • • • • • • • • •	oncentration, D=Depl Indicators: (Applica					baled S	and Grains.		Problematic Hydri	
Histosol		Die to all L	Sandy Gle						(A10) (LRR A, E)	c Julis .
	pipedon (A2)		Sandy Re		117 (04)				anese Masses (F12	(I RR D)
Black Hi			Stripped N		3)				nt Material (F21)	(LIKIC D)
	n Sulfide (A4)		Loamy Mu	,	,	(except	MLRA 1)		ow Dark Surface (F2	22)
	ick (A9) (LRR D, G)		Loamy Gle	-		(,,		olain in Remarks)	/
	d Below Dark Surface	(A11)	X Depleted I	-					,	
Thick Da	ark Surface (A12)	,	Redox Da	rk Surfac	é (F6)			³ Indicators of h	nydrophytic vegetatio	on and
Sandy M	lucky Mineral (S1)		Depleted I	Dark Sur	face (F7)			wetland hy	drology must be pre	esent,
2.5 cm M	Mucky Peat or Peat (S	62) (LRR G	Redox De	pression	s (F8)			unless dis	turbed or problemati	C.
Restrictive	Layer (if observed):									
Type:										
Depth (ii	nches):						Hydric So	oil Present?	Yes	No X
Remarks:										
HYDROLC	OGY									
Wetland Hy	drology Indicators:									
Primary India	cators (minimum of o	ne is requi						Secondary Ind	icators (2 or more re	equired)
	Water (A1)		Water-Sta		` '	•	t		ined Leaves (B9) (M	ILRA 1, 2
	iter Table (A2)				and 4B)			4A, and	,	
Saturation			Salt Crust		(D.10)				Patterns (B10)	
	larks (B1)		Aquatic In						on Water Table (C2)	agam. (CO)
	nt Deposits (B2) posits (B3)		Hydrogen Oxidized F		, ,		looto (C2)		Visible on Aerial Im ic Position (D2)	agery (C9)
	at or Crust (B4)		Presence			•	.0015 (03)		quitard (D3)	
	osits (B5)		Recent Iro				ls (C6)		ral Test (D5)	
	Soil Cracks (B6)		Stunted or				. ,		t Mounds (D6) (LRR	R A)
	on Visible on Aerial Ir	nagery (B7				() (/		ve Hummocks (D7)	/
Sparsely	Vegetated Concave	Surface (E	<i>'</i> — ` '		,				,	
Field Obser	vations:									
Surface Wat	er Present? Ye	S	No X	Depth (i	nches):					
Water Table	Present? Yes	s	No X	Depth (i	nches):		'			
Saturation P	resent? Ye	s	No X	Depth (i	nches):		Wetland	d Hydrology Pr	esent? Yes X	No
(includes ca	oillary fringe)									
Describe Re	corded Data (stream	gauge, mo	onitoring well, aeria	l photos	previous	s inspec	ctions), if ava	ailable:		
Remarks:										

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Project/Site: Post Creek Hill - US 93		City/Cour	nty: Lake	•	Sampling Date:	8-8-2024
Applicant/Owner: MDT				State: MT	Sampling Point:	WDP-9A-24
Investigator(s): B.Cline, F.Doty		Section, T	ownship, Rai	nge: S13 T19N R20W		
Landform (hillside, terrace, etc.): riparian		Local relief (co	oncave, conv	ex, none): <u>concave</u>	Slo	pe (%): <u>0-5</u>
Subregion (LRR/MLRA): LRR E, MLRA 44A	Lat:	47.40312	0 ι	ong: -114.096508	Datum:	NAD83
Soil Map Unit Name: Post silty clay loam, 2 to 4 perc					fication: none	
Are climatic / hydrologic conditions on the site typical	for this time o	f year?	Yes X	No (If no, exp	olain in Remarks.)	
Are Vegetation, Soil, or Hydrology	significantly of			circumstances" present?		lo
Are Vegetation, Soil, or Hydrology				olain any answers in Rer		
SUMMARY OF FINDINGS – Attach site m	_		g point lo	cations, transects,	important feat	tures, etc.
Hydrophytic Vegetation Present? Yes X I	No	Is the	Sampled A	rea		
	No		n a Wetland		No	
	No					
Remarks:						
VEGETATION – Use scientific names of	-	Dt	la d'a da a			
<u>Tree Stratum</u> (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test wor	ksheet:	
1.				Number of Dominant		
2.				Are OBL, FACW, or F	•	1 (A)
3				Total Number of Dom	inant Species	
4				Across All Strata:		1(B)
Sapling/Shrub Stratum (Plot size: 30'	,——	=Total Cover		Percent of Dominant S Are OBL, FACW, or F	•	00.0% (A/B)
1.	_'			Ale OBL, I ACW, OI I	AC. <u>10</u>	00.070 (A/D)
2.	_			Prevalence Index wo	orksheet:	
3.		·		Total % Cover of	: Multipl	y by:
4				OBL species 7	5 x 1 =	75
5	_		FACW		0 x 2 =	20
(5)		=Total Cover			0 x 3 =	30
Herb Stratum (Plot size: 30') 1. Carex nebrascensis	60	Yes	OBL		x 4 = x 5 =	0
Typha latifolia	15	No	OBL			125 (B)
3. Epilobium ciliatum	10	No	FACW	Prevalence Index		
4. Rumex crispus	10	No	FAC			
5.				Hydrophytic Vegetat	ion Indicators:	
6	_			1 - Rapid Test for	Hydrophytic Veget	tation
7				X 2 - Dominance Te		
8.				X 3 - Prevalence Inc		
9.					Adaptations ¹ (Provi s or on a separate	
10 11.				5 - Wetland Non-		Silect)
111:	95	=Total Cover			ophytic Vegetation	¹ (Explain)
Woody Vine Stratum (Plot size: 30')			¹ Indicators of hydric se		
1.	_ ′ 			be present, unless dis		
2.				Hydrophytic		
		=Total Cover		Vegetation		
% Bare Ground in Herb Stratum				Present? Yes	No	_
Remarks:						

SOIL Sampling Point: WDP-9A-24

Profile Desc Depth	ription: (Describe Matrix	to the depti		ıment th x Featur		tor or o	confirm the	absence of inc	licators.)	
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Tex	ture	Remarks	
0-10	10YR 2/2	100	()		<u> </u>			/Clayey		
10-16	N 6/	100					,	/Clayey		
10-10	14 0/	100					Loanly	Olaycy		
						-	•			
							•			
							•			
¹Type: C=Co	ncentration, D=Dep	letion, RM=F	Reduced Matrix, C	S=Cove	red or C	oated S	and Grains.	² Location:	PL=Pore Lining, M=	Matrix.
Hydric Soil I	ndicators: (Applica	ble to all Li	RRs, unless othe	rwise n	oted.)			Indicators for	Problematic Hydric	: Soils ³ :
Histosol	(A1)		Sandy Gle	yed Matı	rix (S4)			2 cm Mucl	k (A10) (LRR A, E)	
Histic Ep	ipedon (A2)		Sandy Red	dox (S5)				Iron-Mang	anese Masses (F12)	(LRR D)
Black His	stic (A3)		Stripped M	latrix (S6	6)			Red Parer	nt Material (F21)	
Hydrogei	n Sulfide (A4)		Loamy Mu	cky Mine	eral (F1)	(except	MLRA 1)	Very Shall	ow Dark Surface (F2	2)
1 cm Mu	ck (A9) (LRR D, G)		X Loamy Gle	yed Mat	rix (F2)			Other (Exp	olain in Remarks)	
X Depleted	Below Dark Surface	e (A11)	Depleted N	/latrix (F	3)					
	rk Surface (A12)		Redox Dar						nydrophytic vegetatio	
	ucky Mineral (S1)		Depleted D)		-	drology must be pre	
2.5 cm M	lucky Peat or Peat (S2) (LRR G)	Redox Dep	pressions	s (F8)			unless dis	turbed or problemation	D.
	.ayer (if observed):									
Type: _										
Depth (in	iches):						Hydric S	oil Present?	Yes <u>X</u>	No
Remarks:										
HYDROLO	GY									
Wetland Hvo	Irology Indicators:									
_	ators (minimum of c	ne is require	ed; check all that a	apply)				Secondary Ind	licators (2 or more re	quired)
X Surface \	Water (A1)	•	Water-Stai	ned Lea	ves (B9)	(excep	t	Water-Sta	ined Leaves (B9) (M	LRA 1, 2
	ter Table (A2)		MLRA	1, 2, 4A,	and 4B)) -		4A, and		
X Saturatio	n (A3)		Salt Crust	(B11)				Drainage I	Patterns (B10)	
Water Ma	arks (B1)		Aquatic Inv	/ertebrat	es (B13)			Dry-Seaso	on Water Table (C2)	
Sedimen	t Deposits (B2)		Hydrogen	Sulfide C	Odor (C1)		Saturation	Visible on Aerial Ima	agery (C9)
Drift Dep	osits (B3)		Oxidized R	hizosph	eres on l	_iving R	oots (C3)	X Geomorph	nic Position (D2)	
	t or Crust (B4)		Presence of			,			quitard (D3)	
	osits (B5)		Recent Iro					X FAC-Neut		
	Soil Cracks (B6)		Stunted or			. , .	RR A)		t Mounds (D6) (LRR	A)
	on Visible on Aerial I	0, ,		lain in R	lemarks)			Frost-Hea	ve Hummocks (D7)	
	Vegetated Concave	Surface (Bi	8)				_			
Field Observ										
Surface Water		es X			nches): _					
Water Table		s X			nches): _		10/-41	.al		N
Saturation Pr		es X	No	⊔epth (ı	nches): _	0	vvetian	ia Hyarology Pr	esent? Yes X	. No
(includes cap		dollac mar	aitoring well assis	Inhotos	provious	n inches	tions) if su	ailable:		
Pescine Ked	corded Data (stream	gauge, mor	morning well, aerla	i priotos,	previous	sinspec	uons), II av	aliabie.		
Remarks:										

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Project/Site: Post Creek Hill - US 93		City/Cou	nty: <u>Lake</u>		Sampling Date:	8-8-2024
Applicant/Owner: MDT				State: MT	Sampling Point:	WDP-9B-24
Investigator(s): B.Cline, F.Doty		Section, T	ownship, Rai	nge: S13 T19N R20W		
Landform (hillside, terrace, etc.): riparian		Local relief (co	oncave, conv	ex, none): concave	Slo _l	pe (%): <u>0-5</u>
Subregion (LRR/MLRA): LRR E, MLRA 44A	Lat:	47.40280	3 L	_ong: -114.096334	Datum:	NAD83
Soil Map Unit Name: Post silty clay loam, 2 to 4 perce					fication: none	•
Are climatic / hydrologic conditions on the site typical	for this time o	of year?	Yes X	No (If no, exp	olain in Remarks.)	
Are Vegetation, Soil, or Hydrology	significantly			Circumstances" present?		0
Are Vegetation, Soil, or Hydrology				plain any answers in Rer	<u></u>	
SUMMARY OF FINDINGS – Attach site m			g point lo	cations, transects,	important feat	ures, etc.
Hydrophytic Vegetation Present? Yes X N	lo	ls the	Sampled A	roa		
	lo		n a Wetland		No	
	lo					
Remarks:						
VECETATION II a aciontific names of	nlamta					
VEGETATION – Use scientific names of p	Absolute	Dominant	Indicator			
Tree Stratum (Plot size: 30')	% Cover	Species?	Status	Dominance Test wo	ksheet:	
Salix amygdaloides	45	Yes	FACW	Number of Dominant	Species That	
2.				Are OBL, FACW, or F	AC:	6 (A)
3.				Total Number of Dom	inant Species	0 (D)
4	45	=Total Cover		Across All Strata:	Engaine That	6 (B)
Sapling/Shrub Stratum (Plot size: 30')	Total Gover		Percent of Dominant : Are OBL, FACW, or F	•	00.0% (A/B)
Salix amygdaloides	10	Yes	FACW			`
2.				Prevalence Index wo		
3.				Total % Cover of		
4				· -	5 x1=	<u>25</u>
5	10	=Total Cover	FACW		0 x 2 =	160 0
Herb Stratum (Plot size: 30')		Total Gover			x 4 =	0
1. Carex nebrascensis	15	Yes	OBL		x 5 =	0
2. Epilobium ciliatum	15	Yes	FACW	Column Totals: 10)5 (A)	185 (B)
3. Mentha arvensis	10	Yes	FACW	Prevalence Index	= B/A =1.76	3
4. Typha latifolia	10	Yes	OBL			
5.				Hydrophytic Vegetat		ation
6. 7.				X 2 - Dominance Te	Hydrophytic Vegeta	auon
8.				X 3 - Prevalence Inc		
9.					Adaptations ¹ (Provid	de supporting
10				data in Remark	s or on a separate	sheet)
11				5 - Wetland Non-		
W 1 1 7 01 1 20 1	50	=Total Cover			ophytic Vegetation ¹	` ' '
Woody Vine Stratum (Plot size: 30'	-)			¹ Indicators of hydric s be present, unless dis		
1. 2.	-				turbed or problema	шо.
- ,		=Total Cover		Hydrophytic Vegetation		
% Bare Ground in Herb Stratum				· ·	XNo	_
Remarks:						

SOIL Sampling Point: WDP-9B-24

Profile Desci Depth	ription: (Describe to Matrix	to the depth		u ment tl x Featur		tor or o	confirm the	absence of	indicators.)	
		%	Color (moist)	% r eatur	Type ¹	Loc ²	Tov	ture	D	emarks
(inches)	Color (moist)		Color (moist)	70	Туре	LUC				
0-9	10YR 3/2	100						oam/Clay	wucky wine	ral soil with roots
9-16	10YR 3/2	100					Loamy	/Clayey		
l										
			_							_
¹ Type: C=Co	ncentration, D=Depl	etion, RM=R	educed Matrix, C	CS=Cove	ered or Co	ated S	and Grains.	² Locat	ion: PL=Pore Li	ning, M=Matrix.
Hydric Soil II	ndicators: (Applica	ble to all LR	Rs, unless other	erwise n	oted.)			Indicators	for Problemati	c Hydric Soils ³ :
Histosol (A1)		Sandy Gle	yed Mat	rix (S4)			2 cm N	Лuck (А10) (LRR	A, E)
Histic Epi	pedon (A2)		Sandy Red	dox (S5)				Iron-M	anganese Masse	es (F12) (LRR D)
Black His	tic (A3)		Stripped M	1atrix (Se	3)				arent Material (F	•
Hydrogen	Sulfide (A4)		_x_Loamy Mu	cky Mine	eral (F1) (except	MLRA 1)	Very S	Shallow Dark Sur	face (F22)
1 cm Mud	k (A9) (LRR D, G)		Loamy Gle	eyed Ma	trix (F2)			Other	(Explain in Rema	arks)
Depleted	Below Dark Surface	e (A11)	Depleted I	Иatrix (F	3)					
Thick Dar	k Surface (A12)		Redox Dai	rk Surfac	ce (F6)			³ Indicators	of hydrophytic v	egetation and
Sandy Mu	ucky Mineral (S1)		Depleted [Dark Sur	face (F7)			wetlan	d hydrology mus	t be present,
2.5 cm M	ucky Peat or Peat (S2) (LRR G)	Redox De	oression	s (F8)			unless	disturbed or pro	blematic.
Restrictive L	ayer (if observed):									
Type:			_							
Depth (in	ches):		_				Hydric S	oil Present?	Ye	s <u>X</u> No
Remarks:										
HYDROLO	GY									
	rology Indicators:									
_	ators (minimum of o	ne is require	d: check all that	apply)				Secondary	Indicators (2 or	more required)
	Vater (A1)		X Water-Sta		ves (B9)	(excep	t		•	(B9) (MLRA 1, 2
	er Table (A2)				and 4B)	(OXOOP	•		and 4B)	(50) (
X Saturation	` '		Salt Crust		, ,				ige Patterns (B10))
Water Ma	` '		Aquatic In	,	tes (B13)				eason Water Tab	•
	Deposits (B2)		Hydrogen							erial Imagery (C9)
Drift Depo			Oxidized F				oots (C3)		orphic Position (I	
Algal Mat	or Crust (B4)		Presence	of Redu	ced Iron (C4)		Shallo	w Aquitard (D3)	•
Iron Depo	osits (B5)		Recent Iro	n Reduc	tion in Til	led Soil	s (C6)	X FAC-N	leutral Test (D5)	
Surface S	Soil Cracks (B6)		Stunted or	Stresse	d Plants	(D1) (LI	RR A)	Raised	d Ant Mounds (D	6) (LRR A)
Inundatio	n Visible on Aerial Ir	magery (B7)	Other (Exp	olain in F	Remarks)			Frost-l	Heave Hummock	s (D7)
Sparsely	Vegetated Concave	Surface (B8)							
Field Observ	ations:									
Surface Wate	r Present? Ye	s	No X	Depth (i	inches): _	0				
Water Table I	Present? Ye	s X	No	Depth (i	inches):	4				
Saturation Pre	esent? Ye	s X	No	Depth (i	inches):	0	Wetlan	d Hydrolog	y Present? Ye	s X No
(includes cap	illary fringe)									
Describe Rec	orded Data (stream	gauge, moni	toring well, aeria	l photos	, previous	inspec	tions), if ava	ailable:		
Remarks:										

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Project/Site: Post Creek Hill - US 93		City/Cou	nty: <u>Lake</u>			Sampling Date	8-7-2024
Applicant/Owner: MDT				State:	MT	Sampling Point	: WDP-10A-24
Investigator(s): B.Cline, F.Doty		Section, T	ownship, Ran	ge: S24 T19	9N R20W		
Landform (hillside, terrace, etc.): riparian		Local relief (co	oncave, conve	x, none): co	oncave	SI	ope (%): 0-5
Subregion (LRR/MLRA): LRR E, MLRA 44A			55 Lo	·			: NAD93
Soil Map Unit Name: Post silty clay loam, 2 to 4 perce						cation: none	
Are climatic / hydrologic conditions on the site typical			Yes X	No	(If no, expl	ain in Remarks.)	
Are Vegetation, Soil, or Hydrology						Yes X I	
Are Vegetation, Soil, or Hydrology	=		If needed, exp				
SUMMARY OF FINDINGS – Attach site m			g point loc	ations, tra	nsects, i	mportant fea	itures, etc.
Hydrophytic Vegetation Present? Yes X N	lo	ls the	Sampled Are	22			
	lo		n a Wetland?		es X	No	
	lo						
Remarks:		•					
VEGETATION – Use scientific names of	nlante						
VEGETATION — 03c 3cicitatic names of	Absolute	Dominant	Indicator				
Tree Stratum (Plot size: 30')	% Cover	Species?	Status	Dominance	Test work	sheet:	
1.				Number of [•	
2.	· 			Are OBL, FA			1 (A)
3	· ——			Total Numb		ant Species	1 (B)
T	· <u> </u>	=Total Cover		Percent of D		necies That	(D)
Sapling/Shrub Stratum (Plot size: 30')			Are OBL, FA			100.0% (A/B)
1	·						
2.				Prevalence			
3.					6 Cover of:		oly by:
5.				OBL species			<u>60</u> 50
J		=Total Cover		FAC species			45
Herb Stratum (Plot size: 30')	-			FACU speci	_		0
Carex nebrascensis	60	Yes	OBL	UPL species	s 0	x 5 =	0
2. Dipsacus fullonum	10	No	FAC	Column Tota			155 (B)
3. Rumex crispus	5	No No	FAC	Prevalen	ice Index =	B/A = 1.5	55
Mentha arvensis Phalaris arundinacea	10	No No	FACW	Hydronhyti	c Vogotatio	on Indicators:	
	13	INU	FACW		_	Hydrophytic Vege	etation
6. 7.				X 2 - Dom			itation
8.				X 3 - Prev			
9.						daptations¹(Prov	
10				data	in Remarks	or on a separate	e sheet)
11	100					ascular Plants ¹	1
Woody Vine Stratum (Plot size: 30'	100	=Total Cover		_		ohytic Vegetation	
Woody Vine Stratum (Plot size: 30' 1.	. /					l and wetland hy urbed or problem	
2.			——	Hydrophyti		F. 22.50	
		=Total Cover		Vegetation	•		
% Bare Ground in Herb Stratum				Present?	Yes_	X No_	
Remarks:							

SOIL Sampling Point: WDP-10A-24

Profile Desc Depth	Matrix		Redo	x Featur	es				•
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Tex	xture	Remarks
0-8	10YR 3/2	100	, , ,				Loamy	//Clayey	roots present
8-18	7.5YR 5/2	85	7.5YR 5/6	15	С	М		oam/Clay	Prominent redox concentrations
								<u></u>	
							•		
							•		
							-		
1 _{Type:} C=Ce	ncentration, D=Depl	Lotion DM-	Poduced Matrix (rod or C	ootod S	and Crains	² l ooo	tion: PL=Pore Lining, M=Matrix.
	ndicators: (Applica					oaleu S	and Grains		s for Problematic Hydric Soils ³ :
Histosol (bic to all E	Sandy Gle						Muck (A10) (LRR A, E)
	ipedon (A2)		Sandy Red	•	IX (O+)				Manganese Masses (F12) (LRR D)
Black His			Stripped M		6)				Parent Material (F21)
	n Sulfide (A4)		Loamy Mu	,	,	(except	MLRA 1)		Shallow Dark Surface (F22)
	ck (A9) (LRR D, G)		Loamy Gle	-			,		(Explain in Remarks)
	Below Dark Surface	e (A11)	X Depleted N	-					,
Thick Da	rk Surface (A12)		Redox Dar	rk Surfac	e (F6)			³ Indicator	s of hydrophytic vegetation and
Sandy M	ucky Mineral (S1)		Depleted [Dark Sur	face (F7))		wetla	nd hydrology must be present,
2.5 cm M	lucky Peat or Peat (S	S2) (LRR G	Redox Dep	pression	s (F8)			unles	s disturbed or problematic.
Restrictive L	.ayer (if observed):								
Type:									
Depth (in	ches):						Hydric S	oil Present	? Yes <u>X</u> No
Remarks:									
HYDROLO	GY								
HYDROLO									
Wetland Hyd	Irology Indicators:	ne is requi	red: check all that a	apply)				Secondar	v Indicators (2 or more required)
Wetland Hyd	Irology Indicators: ators (minimum of o	ne is requii			ves (B9)	(excep			y Indicators (2 or more required) r-Stained Leaves (B9) (MLRA 1. 2
Wetland Hyd Primary Indic Surface V	Irology Indicators: ators (minimum of o Water (A1)	ne is requii	Water-Sta	ined Lea			t	x Wate	y Indicators (2 or more required) r-Stained Leaves (B9) (MLRA 1, 2
Wetland Hyd Primary Indic Surface V	Irology Indicators: ators (minimum of o Water (A1) ter Table (A2)	ne is requii	Water-Sta	ined Lea 1, 2, 4A ,			t	x Wate	r-Stained Leaves (B9) (MLRA 1, 2
Wetland Hyd Primary Indic Surface \ High Wat	Irology Indicators: ators (minimum of o Nater (A1) ter Table (A2) n (A3)	ne is requii	Water-Sta	ined Lea 1, 2, 4A, (B11)	and 4B))	t	x Wate 44 Drain	r-Stained Leaves (B9) (MLRA 1, 2 , and 4B)
Wetland Hyd Primary Indic Surface \ High Wat Saturatio Water Ma	Irology Indicators: ators (minimum of o Nater (A1) ter Table (A2) n (A3)	ne is requi	Water-Sta MLRA Salt Crust	ined Lea 1, 2, 4A, (B11) vertebrat	and 4B) es (B13))	t	x Wate 44 Drain Dry-S	r-Stained Leaves (B9) (MLRA 1, 2 A, and 4B) age Patterns (B10)
Wetland Hyd Primary Indic Surface \ High Wat Saturatio Water Ma Sedimen Drift Dep	Irology Indicators: ators (minimum of o Water (A1) ter Table (A2) n (A3) arks (B1) t Deposits (B2) osits (B3)	ne is requii	Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F	ined Lea 1, 2, 4A, (B11) vertebrat Sulfide (Rhizosph	and 4B) es (B13) Odor (C1) eres on l)) _iving R		x Wate 44 Drain Dry-S Satur X Geom	r-Stained Leaves (B9) (MLRA 1, 2 A, and 4B) age Patterns (B10) leason Water Table (C2) ation Visible on Aerial Imagery (C9) norphic Position (D2)
Wetland Hyd Primary Indic Surface N High Wat Saturatio Water Ma Sedimen Drift Dep Algal Mat	Irology Indicators: ators (minimum of o Water (A1) ter Table (A2) n (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4)	ne is requii	Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F Presence	ined Lea 1, 2, 4A, (B11) vertebrat Sulfide (Rhizosph of Reduc	es (B13) Odor (C1) eres on led) _iving R [C4)	oots (C3)	x Wate 44 Drain Dry-S Satur X Geom	r-Stained Leaves (B9) (MLRA 1, 2 A, and 4B) age Patterns (B10) beason Water Table (C2) ation Visible on Aerial Imagery (C9) brorphic Position (D2) bow Aquitard (D3)
Wetland Hyd Primary Indic Surface N High Wat Saturatio Water Ma Sedimen Drift Dep Algal Mat	Irology Indicators: ators (minimum of o Water (A1) ter Table (A2) n (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4) osits (B5)	ne is requii	Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro	ined Lea 1, 2, 4A, (B11) vertebrate Sulfide (Rhizosph of Reduction	es (B13) Odor (C1 eres on led Iron (tion in Ti) _iving R (C4) lled Soil	oots (C3)	x Wate 4A Drain Dry-S Satur X Geom Shallo FAC-	r-Stained Leaves (B9) (MLRA 1, 2 A, and 4B) age Patterns (B10) eason Water Table (C2) ation Visible on Aerial Imagery (C9) norphic Position (D2) bw Aquitard (D3) Neutral Test (D5)
Wetland Hyd Primary Indic Surface N High Wat Saturatio Water Ma Sedimen Drift Dep Algal Mat Iron Depc Surface S	Irology Indicators: ators (minimum of o Water (A1) ter Table (A2) n (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4) osits (B5) Soil Cracks (B6)		Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Stunted or	ined Lea 1, 2, 4A, (B11) vertebrat Sulfide (Rhizosph of Reduct on Reduct Stresse	es (B13) Odor (C1) eres on led Iron (tion in Ti) _iving R (C4) lled Soil	oots (C3)	x Wate 4A Drain Dry-S Satur X Geom Shalk FAC- Raise	r-Stained Leaves (B9) (MLRA 1, 2 A, and 4B) age Patterns (B10) leason Water Table (C2) lation Visible on Aerial Imagery (C9) morphic Position (D2) low Aquitard (D3) Neutral Test (D5) and Ant Mounds (D6) (LRR A)
Primary Indice Surface N High Wat Saturatio Water Ma Sediment Drift Dep Algal Mat Iron Depot Surface S Inundation	Irology Indicators: ators (minimum of o Water (A1) ter Table (A2) n (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4) osits (B5) Soil Cracks (B6) on Visible on Aerial Ir	magery (B7	Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F Presence of Recent Iro Stunted or Other (Exp	ined Lea 1, 2, 4A, (B11) vertebrat Sulfide (Rhizosph of Reduct on Reduct Stresse	es (B13) Odor (C1) eres on led Iron (tion in Ti) _iving R (C4) lled Soil	oots (C3)	x Wate 44 Drain Dry-S Satur X Geom Shalk FAC- Raise	r-Stained Leaves (B9) (MLRA 1, 2 A, and 4B) age Patterns (B10) eason Water Table (C2) ation Visible on Aerial Imagery (C9) norphic Position (D2) bw Aquitard (D3) Neutral Test (D5)
Wetland Hyd Primary Indic Surface N High Wat Saturatio Water Ma Sedimen Drift Dep Algal Mat Iron Depo Surface S Inundatio Sparsely	Irology Indicators: ators (minimum of o Water (A1) ter Table (A2) n (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4) osits (B5) Soil Cracks (B6) on Visible on Aerial Ir Vegetated Concave	magery (B7	Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F Presence of Recent Iro Stunted or Other (Exp	ined Lea 1, 2, 4A, (B11) vertebrat Sulfide (Rhizosph of Reduct on Reduct Stresse	es (B13) Odor (C1) eres on led Iron (tion in Ti) _iving R (C4) lled Soil	oots (C3)	x Wate 44 Drain Dry-S Satur X Geom Shalk FAC- Raise	r-Stained Leaves (B9) (MLRA 1, 2 A, and 4B) age Patterns (B10) leason Water Table (C2) lation Visible on Aerial Imagery (C9) morphic Position (D2) low Aquitard (D3) Neutral Test (D5) and Ant Mounds (D6) (LRR A)
Wetland Hyd Primary Indic Surface N High Wat Saturatio Water Ma Sedimen Drift Dep Algal Mat Iron Depo Surface S Inundatio Sparsely	Arology Indicators: ators (minimum of o Water (A1) ter Table (A2) n (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4) osits (B5) Soil Cracks (B6) on Visible on Aerial In Vegetated Concave vations:	magery (B7 Surface (E	Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Stunted or Other (Exp	ined Lea 1, 2, 4A, (B11) vertebrat Sulfide (Rhizosph of Reduc on Reduc Stresse blain in R	es (B13) Odor (C1 eres on I ced Iron (tion in Ti d Plants emarks)) Living R (C4) Iled Soil (D1) (Ll	oots (C3)	x Wate 44 Drain Dry-S Satur X Geom Shalk FAC- Raise	r-Stained Leaves (B9) (MLRA 1, 2 A, and 4B) age Patterns (B10) leason Water Table (C2) lation Visible on Aerial Imagery (C9) morphic Position (D2) low Aquitard (D3) Neutral Test (D5) and Ant Mounds (D6) (LRR A)
Primary Indice Surface N High Water Ma Sediment Drift Dept Algal Mat Iron Dept Surface S Inundation Sparsely Field Observ Surface Water	Irology Indicators: ators (minimum of o Water (A1) ter Table (A2) n (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4) osits (B5) Soil Cracks (B6) on Visible on Aerial Ir Vegetated Concave vations: er Present? Ye	magery (B7 Surface (E	Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Stunted or Other (Exp	ined Lea 1, 2, 4A, (B11) vertebrat Sulfide (Rhizosph of Reduc on Reduc Stresse Stresse blain in R	es (B13) Ddor (C1 eres on I ed Iron (tion in Ti d Plants emarks)) Living R (C4) Illed Soil (D1) (LI	oots (C3)	x Wate 44 Drain Dry-S Satur X Geom Shalk FAC- Raise	r-Stained Leaves (B9) (MLRA 1, 2 A, and 4B) age Patterns (B10) leason Water Table (C2) lation Visible on Aerial Imagery (C9) morphic Position (D2) low Aquitard (D3) Neutral Test (D5) and Ant Mounds (D6) (LRR A)
Primary Indice Surface Notes In Indice Surface	Irology Indicators: ators (minimum of o Water (A1) ter Table (A2) n (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4) osits (B5) Soil Cracks (B6) on Visible on Aerial Ir Vegetated Concave Vations: er Present? Ye Present? Ye	magery (B7 Surface (E	Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F Presence of Recent Iro Stunted or Other (Exp. No X No X	ined Lea 1, 2, 4A, (B11) vertebrat Sulfide (Rhizosph of Reduc on Reduc Stresse blain in R	es (B13) Ddor (C1 eres on I eed Iron (tion in Ti d Plants eemarks) nches):) Living R (C4) Illed Soil (D1) (LI	oots (C3) Is (C6) RR A)	x Wate 44 Drain Dry-S Satur X Geom Shalk FAC- Raise Frost-	r-Stained Leaves (B9) (MLRA 1, 2 A, and 4B) age Patterns (B10) leason Water Table (C2) ation Visible on Aerial Imagery (C9) horphic Position (D2) low Aquitard (D3) Neutral Test (D5) ad Ant Mounds (D6) (LRR A) leave Hummocks (D7)
Wetland Hyd Primary Indic Surface N High Wat Saturatio Water Ma Sedimen Drift Dep Algal Mat Iron Depo Surface S Inundatio Sparsely Field Observ Surface Water Table Saturation Pr	Irology Indicators: ators (minimum of o Nater (A1) ter Table (A2) n (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4) osits (B5) Soil Cracks (B6) on Visible on Aerial Ir Vegetated Concave vations: er Present? Ye Present? Ye esent? Ye	magery (B7 Surface (E	Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F Presence of Recent Iro Stunted or Other (Exp. No X No X	ined Lea 1, 2, 4A, (B11) vertebrat Sulfide (Rhizosph of Reduc on Reduc Stresse Stresse blain in R	es (B13) Ddor (C1 eres on I eed Iron (tion in Ti d Plants eemarks) nches):) Living R (C4) Illed Soil (D1) (LI	oots (C3) Is (C6) RR A)	x Wate 44 Drain Dry-S Satur X Geom Shalk FAC- Raise Frost-	r-Stained Leaves (B9) (MLRA 1, 2 A, and 4B) age Patterns (B10) leason Water Table (C2) lation Visible on Aerial Imagery (C9) morphic Position (D2) low Aquitard (D3) Neutral Test (D5) and Ant Mounds (D6) (LRR A)
Wetland Hyd Primary Indic Surface N High Wat Saturatio Water Ma Sedimen Drift Dep Algal Mat Iron Depc Surface S Inundatio Sparsely Field Observ Surface Water Table Saturation Pr (includes cap	Irology Indicators: ators (minimum of o Nater (A1) ter Table (A2) n (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4) osits (B5) Soil Cracks (B6) on Visible on Aerial Ir Vegetated Concave vations: er Present? Ye Present? Ye esent? Ye	magery (B7 Surface (E ss ss	Water-Sta MLRA Salt Crust Aquatic Int Hydrogen Oxidized F Presence Recent Iro Stunted or Other (Exp 88) No X No X No X	ined Lea 1, 2, 4A, (B11) vertebrat Sulfide (Rhizosph of Reduct on Reduct Stresse clain in R	es (B13) Ddor (C1) eres on I ed Iron (tion in Ti d Plants emarks) emarks): _nches): _nches): _) Living R (C4) Illed Soil (D1) (LI	oots (C3) Is (C6) RR A) Wetlar	x Wate 4A Drain Dry-S Satur X Geom Shalla FAC- Raise Frost-	r-Stained Leaves (B9) (MLRA 1, 2 A, and 4B) age Patterns (B10) leason Water Table (C2) ation Visible on Aerial Imagery (C9) horphic Position (D2) low Aquitard (D3) Neutral Test (D5) ad Ant Mounds (D6) (LRR A) leave Hummocks (D7)
Wetland Hyd Primary Indic Surface N High Wat Saturatio Water Ma Sedimen Drift Dep Algal Mat Iron Depo Surface S Inundatio Sparsely Field Observ Surface Water Table Saturation Pr (includes cap Describe Rec	Irology Indicators: ators (minimum of o Nater (A1) ter Table (A2) n (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4) osits (B5) Soil Cracks (B6) on Visible on Aerial Ir Vegetated Concave vations: er Present? Ye Present? Ye esent? Ye sillary fringe)	magery (B7 Surface (E ss ss	Water-Sta MLRA Salt Crust Aquatic Int Hydrogen Oxidized F Presence Recent Iro Stunted or Other (Exp 88) No X No X No X	ined Lea 1, 2, 4A, (B11) vertebrat Sulfide (Rhizosph of Reduct on Reduct Stresse clain in R	es (B13) Ddor (C1) eres on I ed Iron (tion in Ti d Plants emarks) emarks): _nches): _nches): _) Living R (C4) Illed Soil (D1) (LI	oots (C3) Is (C6) RR A) Wetlar	x Wate 4A Drain Dry-S Satur X Geom Shalla FAC- Raise Frost-	r-Stained Leaves (B9) (MLRA 1, 2 A, and 4B) age Patterns (B10) leason Water Table (C2) ation Visible on Aerial Imagery (C9) horphic Position (D2) low Aquitard (D3) Neutral Test (D5) ad Ant Mounds (D6) (LRR A) leave Hummocks (D7)
Wetland Hyd Primary Indic Surface N High Wat Saturatio Water Ma Sedimen Drift Dep Algal Mat Iron Depc Surface S Inundatio Sparsely Field Observ Surface Water Table Saturation Pr (includes cap	Irology Indicators: ators (minimum of o Nater (A1) ter Table (A2) n (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4) osits (B5) Soil Cracks (B6) on Visible on Aerial Ir Vegetated Concave vations: er Present? Ye Present? Ye esent? Ye sillary fringe)	magery (B7 Surface (E ss ss	Water-Sta MLRA Salt Crust Aquatic Int Hydrogen Oxidized F Presence Recent Iro Stunted or Other (Exp 88) No X No X No X	ined Lea 1, 2, 4A, (B11) vertebrat Sulfide (Rhizosph of Reduct on Reduct Stresse clain in R	es (B13) Ddor (C1) eres on I ed Iron (tion in Ti d Plants emarks) emarks): _nches): _nches): _) Living R (C4) Illed Soil (D1) (LI	oots (C3) Is (C6) RR A) Wetlar	x Wate 4A Drain Dry-S Satur X Geom Shalla FAC- Raise Frost-	r-Stained Leaves (B9) (MLRA 1, 2 A, and 4B) age Patterns (B10) leason Water Table (C2) ation Visible on Aerial Imagery (C9) horphic Position (D2) low Aquitard (D3) Neutral Test (D5) ad Ant Mounds (D6) (LRR A) leave Hummocks (D7)
Wetland Hyd Primary Indic Surface N High Wat Saturatio Water Ma Sedimen Drift Dep Algal Mat Iron Depo Surface S Inundatio Sparsely Field Observ Surface Water Table Saturation Pr (includes cap Describe Rec	Irology Indicators: ators (minimum of o Nater (A1) ter Table (A2) n (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4) osits (B5) Soil Cracks (B6) on Visible on Aerial Ir Vegetated Concave vations: er Present? Ye Present? Ye esent? Ye sillary fringe)	magery (B7 Surface (E ss ss	Water-Sta MLRA Salt Crust Aquatic Int Hydrogen Oxidized F Presence Recent Iro Stunted or Other (Exp 88) No X No X No X	ined Lea 1, 2, 4A, (B11) vertebrat Sulfide (Rhizosph of Reduct on Reduct Stresse clain in R	es (B13) Ddor (C1) eres on I ed Iron (tion in Ti d Plants emarks) emarks): _nches): _nches): _) Living R (C4) Illed Soil (D1) (LI	oots (C3) Is (C6) RR A) Wetlar	x Wate 4A Drain Dry-S Satur X Geom Shalla FAC- Raise Frost-	r-Stained Leaves (B9) (MLRA 1, 2 A, and 4B) age Patterns (B10) leason Water Table (C2) ation Visible on Aerial Imagery (C9) horphic Position (D2) low Aquitard (D3) Neutral Test (D5) ad Ant Mounds (D6) (LRR A) leave Hummocks (D7)

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Project/Site: Post Creek Hill - US 93		City/Cour	nty: Lake	•	Sampling Date:	9-17-2024
Applicant/Owner: MDT				State: MT	Sampling Point:	WDP-10B-24(1)
Investigator(s): B.Cline, F.Doty		Section, T	ownship, Ra	nge: S14 T19N R20W		'
Landform (hillside, terrace, etc.): field		Local relief (co	oncave, conv	ex, none): concave	Slo	pe (%): <u>0-5</u>
Subregion (LRR/MLRA): LRR E, MLRA 44A	Lat:	47.40784	6 I	ong: -114.097593	Datum:	NAD93
Soil Map Unit Name: Post silty clay loam, 4 to 8 perc	ent slopes			NWI classi	fication: PEM1C	
Are climatic / hydrologic conditions on the site typical	for this time o	f year?	Yes X	No (If no, exp	olain in Remarks.)	
Are Vegetation, Soil, or Hydrology	significantly of			Circumstances" present?		lo
Are Vegetation, Soil, or Hydrology_				plain any answers in Rer		
SUMMARY OF FINDINGS – Attach site m	_		g point lo	cations, transects,	important feat	tures, etc.
Hydrophytic Vegetation Present? Yes X I	No	Is the	Sampled A	rea		
	No		n a Wetland		No	
	No					
Remarks:						
VEGETATION – Use scientific names of	Absolute	Dominant	Indicator			
<u>Tree Stratum</u> (Plot size: 30')	% Cover	Species?	Status	Dominance Test wor	ksheet:	
1				Number of Dominant	Species That	
2.				Are OBL, FACW, or F	AC:	2 (A)
3				Total Number of Dom	inant Species	
4		=Total Cover		Across All Strata:		2 (B)
Sapling/Shrub Stratum (Plot size: 30'	, ——	- Fotal Cover		Percent of Dominant S Are OBL, FACW, or F	•	00.0% (A/B)
1.	_ ′			7110 OBE, 1710VV, 011	710.	70.070 (74D)
2.				Prevalence Index wo	orksheet:	
3.				Total % Cover of	Multiply	y by:
4				· -	0 x 1 =	50
5					x 2 =	0
Herb Stratum (Plot size: 30')		=Total Cover		· —	5 x 3 =	105 0
Herb Stratum (Plot size: 30') 1. Carex nebrascensis	35	Yes	OBL		x 5 =	0
Cirsium arvense	15	No	FAC			155 (B)
3. Dipsacus fullonum	20	Yes	FAC	Prevalence Index		
4.						
5. Alisma gramineum	15	No	OBL	Hydrophytic Vegetat		
6.					Hydrophytic Veget	ation
7. 8.				X 2 - Dominance Te X 3 - Prevalence Inc		
					dex is ≤3.0 Adaptations¹(Provi	de supportina
10.					s or on a separate	
11.				5 - Wetland Non-\	√ascular Plants¹	
	85	=Total Cover		Problematic Hydro	ophytic Vegetation	^l (Explain)
Woody Vine Stratum (Plot size: 30')			¹ Indicators of hydric se		
1.				be present, unless dis	turbed or problema	itic.
2		-Total Carra		Hydrophytic		
% Bare Ground in Herb Stratum		=Total Cover		Vegetation Present? Yes	X No	
				. 1000		
Remarks:						

SOIL Sampling Point: WDP-10B-24(1)

0-5 5-12	Matrix		rtcuo.	x Featur	5 5				
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Textu	e	Remarks
5-12	10YR 2/2								roots present
	10YR 2/2	97	10YR 3/6	3	C	M_	Loamy/Cl	ayey	Prominent redox concentrations
12-16	10YR 4/3	95	10YR 5/8	5	<u>C</u>	M	Loamy/Cl	ayey	Prominent redox concentrations
				<u></u>	<u> </u>	<u></u>			
1Type: C=Co	ncentration, D=Depl	etion. RM=F	Reduced Matrix. C	S=Cove	red or Co	pated S	and Grains.	² Locati	on: PL=Pore Lining, M=Matrix.
• •	ndicators: (Applicat					Jaica Ci			for Problematic Hydric Soils ³ :
Histosol (Sandy Gle						Muck (A10) (LRR A, E)
Histic Epi	ipedon (A2)		Sandy Red		` ,		_		anganese Masses (F12) (LRR D)
Black Hist			Stripped M		6)		_		arent Material (F21)
	Sulfide (A4)		Loamy Mu	cky Mine	ral (F1)	(except	MLRA 1)		hallow Dark Surface (F22)
	ck (A9) (LRR D, G)		Loamy Gle	•	, ,		· -		Explain in Remarks)
	Below Dark Surface	(A11)	Depleted N	-			_		,
Thick Dar	rk Surface (A12)	,	X Redox Dar	k Surfac	e (F6)		3	Indicators	of hydrophytic vegetation and
	ucky Mineral (S1)		Depleted D	ark Surf	face (F7)				d hydrology must be present,
2.5 cm M	ucky Peat or Peat (S	(LRR G	Redox Dep	ressions	s (F8)				disturbed or problematic.
Restrictive L	ayer (if observed):								
Type:									
Depth (inc	ches):						Hydric Soil	Present?	Yes <u>X</u> No
Remarks:									
HYDROLO(GY								
	rology Indicators:								
-	ators (minimum of o	ne is require	ed; check all that a	apply)			S	Secondary	Indicators (2 or more required)
	Vater (A1)		X Water-Stai		ves (B9)	(excep		•	Stained Leaves (B9) (MLRA 1, 2
	er Table (A2)				and 4B)		_		and 4B)
Saturation			Salt Crust		,				ge Patterns (B10)
Water Ma			Aquatic Inv		es (B13)		_		eason Water Table (C2)
	t Deposits (B2)		Hydrogen	Sulfide C	Odor (C1))	_		tion Visible on Aerial Imagery (C9)
Sediment	neite (R3)								don visible on Achai imagery (Os)
Sediment Drift Depo	03113 (D0)		Oxidized R	hizosph	eres on L	iving R	oots (C3)	x Geomo	orphic Position (D2)
Drift Depo	or Crust (B4)		Oxidized R			•	oots (C3)		
Drift Depo	or Crust (B4)			of Reduc	ed Iron (C4)	` ′ =	Shallo	orphic Position (D2)
Drift Depo Algal Mat Iron Depo	or Crust (B4)		Presence of	of Reduc	ed Iron (tion in Ti	C4) lled Soil	ls (C6)	Shallov FAC-N	orphic Position (D2) w Aquitard (D3)
Drift Depo Algal Mat Iron Depo x Surface S	or Crust (B4) psits (B5)	magery (B7)	Presence of Recent Iron Stunted or	of Reduc n Reduc Stresse	ced Iron (tion in Ti d Plants	C4) lled Soil	ls (C6)	Shallov FAC-N Raised	orphic Position (D2) w Aquitard (D3) eutral Test (D5)
Drift Depo Algal Mat Iron Depo x Surface S Inundation	or Crust (B4) osits (B5) Soil Cracks (B6)	0 , ,	Presence of Recent Iron Stunted or Other (Exp	of Reduc n Reduc Stresse	ced Iron (tion in Ti d Plants	C4) lled Soil	ls (C6)	Shallov FAC-N Raised	orphic Position (D2) w Aquitard (D3) eutral Test (D5) Ant Mounds (D6) (LRR A)
Drift Depo Algal Mat Iron Depo x Surface S Inundation	or Crust (B4) posits (B5) Soil Cracks (B6) n Visible on Aerial Ir Vegetated Concave	0 , ,	Presence of Recent Iron Stunted or Other (Exp	of Reduc n Reduc Stresse	ced Iron (tion in Ti d Plants	C4) lled Soil	ls (C6)	Shallov FAC-N Raised	orphic Position (D2) w Aquitard (D3) eutral Test (D5) Ant Mounds (D6) (LRR A)
Drift Depote Algal Mat Iron Depote X Surface S Inundation Sparsely	or Crust (B4) posits (B5) Soil Cracks (B6) In Visible on Aerial In Vegetated Concave vations:	Surface (Ba	Presence of Recent Iron Stunted or Other (Exp	of Reduc n Reduc Stresse	eed Iron (tion in Ti d Plants emarks)	C4) lled Soil	ls (C6)	Shallov FAC-N Raised	orphic Position (D2) w Aquitard (D3) eutral Test (D5) Ant Mounds (D6) (LRR A)
Drift Depote Algal Mate Iron Depote X Surface S Inundation Sparsely Street Observed	or Crust (B4) posits (B5) Soil Cracks (B6) In Visible on Aerial In Vegetated Concave vations: In Present?	Surface (Bass	Presence of Recent Iron Stunted or Other (Exp 8) No x No x	of Reducen Reducen Stresser lain in Reducen Depth (in Depth (in Depth (in Depth (in Reducen Depth (in Reducen Depth (in Depth (in Depth (in Reducen Depth (i	ced Iron (tion in Til d Plants emarks) nches): nches):	C4) lled Soil	ls (C6)	Shallov FAC-N Raised	orphic Position (D2) w Aquitard (D3) eutral Test (D5) Ant Mounds (D6) (LRR A)
Drift Depote Algal Mate Iron Depote X Surface S Inundation Sparsely Surface Wate	or Crust (B4) posits (B5) Soil Cracks (B6) In Visible on Aerial In Vegetated Concave rations: Present? Yes	Surface (Basses)	Presence of Recent Iron Stunted or Other (Exp 8) No x No x	of Reducen Reducen Stresser lain in Reducen Depth (in Depth (in Depth (in Depth (in Reducen Depth (in Reducen Depth (in Depth (in Depth (in Reducen Depth (i	eed Iron (tion in Til d Plants emarks)	C4) lled Soil	Is (C6) RR A)	Shallov FAC-N Raised Frost-H	orphic Position (D2) w Aquitard (D3) eutral Test (D5) Ant Mounds (D6) (LRR A)
Drift Depo Algal Mat Iron Depo x Surface S Inundatior Sparsely Field Observe Surface Wate Water Table F Saturation Pre (includes capi	or Crust (B4) posits (B5) Soil Cracks (B6) In Visible on Aerial In Vegetated Concave rations: Present? Present? Yesesent? Yeseillary fringe)	Surface (Bases)	Presence of Recent Iron Stunted or Other (Exp No x No x No x	of Reducen Reducen Stressellain in Reducen Depth (ii Dep	ced Iron (tion in Til d Plants demarks) nches): nches): nches):	C4) lled Soil (D1) (Li	s (C6) RR A) Wetland	Shallov FAC-N Raisec Frost-H	orphic Position (D2) w Aquitard (D3) eutral Test (D5) I Ant Mounds (D6) (LRR A) Heave Hummocks (D7)
Drift Depo Algal Mat Iron Depo x Surface S Inundatior Sparsely Field Observe Surface Wate Water Table F Saturation Pre (includes capi	or Crust (B4) posits (B5) Soil Cracks (B6) In Visible on Aerial In Vegetated Concave rations: In Present? Yesesent? Yesesent? Yesesent?	Surface (Bases) s s s s	Presence of Recent Iron Stunted or Other (Exp No x No x No x	of Reducen Reducen Stressellain in Reducen Depth (ii Dep	ced Iron (tion in Til d Plants demarks) nches): nches): nches):	C4) lled Soil (D1) (Li	s (C6) RR A) Wetland	Shallov FAC-N Raisec Frost-H	orphic Position (D2) w Aquitard (D3) eutral Test (D5) I Ant Mounds (D6) (LRR A) Heave Hummocks (D7)
Drift Depotential Algal Matalina Iron Depotential Surface Surface Surface Water Table Foundation Presidential	or Crust (B4) posits (B5) Soil Cracks (B6) In Visible on Aerial In Vegetated Concave rations: Present? Present? Yesesent? Yeseillary fringe)	Surface (Bases) s s s s	Presence of Recent Iron Stunted or Other (Exp No x No x No x	of Reducen Reducen Stressellain in Reducen Depth (ii Dep	ced Iron (tion in Til d Plants demarks) nches): nches): nches):	C4) lled Soil (D1) (Li	s (C6) RR A) Wetland	Shallov FAC-N Raisec Frost-H	orphic Position (D2) w Aquitard (D3) eutral Test (D5) I Ant Mounds (D6) (LRR A) Heave Hummocks (D7)
Drift Depo Algal Mat Iron Depo x Surface S Inundatior Sparsely Field Observe Surface Wate Water Table F Saturation Pre (includes capi	or Crust (B4) posits (B5) Soil Cracks (B6) In Visible on Aerial In Vegetated Concave rations: Present? Present? Yesesent? Yeseillary fringe)	Surface (Bases) s s s s	Presence of Recent Iron Stunted or Other (Exp No x No x No x	of Reducen Reducen Stressellain in Reducen Depth (ii Dep	ced Iron (tion in Til d Plants demarks) nches): nches): nches):	C4) lled Soil (D1) (Li	s (C6) RR A) Wetland	Shallov FAC-N Raisec Frost-H	orphic Position (D2) w Aquitard (D3) eutral Test (D5) I Ant Mounds (D6) (LRR A) Heave Hummocks (D7)

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Project/Site: Post Creek Hill - US 93	City/County: Lake Sampling Date: 9-17-2024
Applicant/Owner: MDT	State: MT Sampling Point: wdp-10B-24(2)
Investigator(s): B.Cline, F.Doty	Section, Township, Range: S14 T19N R20W
Landform (hillside, terrace, etc.): field	Local relief (concave, convex, none): concave Slope (%): 0-5
Subregion (LRR/MLRA): LRR E, MLRA 44A Lat:	47.411587 Long: -114.097425 Datum: NAD93
Soil Map Unit Name: Post silty clay loam, 4 to 8 percent slope	NWI classification: PEM1C
Are climatic / hydrologic conditions on the site typical for this t	e of year? Yes X No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology signification	ly disturbed? Are "Normal Circumstances" present? Yes X No
Are Vegetation , Soil , or Hydrology naturall	
SUMMARY OF FINDINGS – Attach site map she	ring sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area
Hydric Soil Present? Yes X No	within a Wetland? Yes X No
Wetland Hydrology Present? Yes X No	_ _
Remarks:	
VECTATION Has a leastiff a name of plants	
VEGETATION – Use scientific names of plants Absorption	e Dominant Indicator
Tree Stratum (Plot size: 30') % Co	
1	Number of Dominant Species That
2	
3	Total Number of Dominant Species Across All Strata: 1 (B)
4	Across All Strata: 1 (B) =Total Cover Percent of Dominant Species That
Sapling/Shrub Stratum (Plot size: 30')	Are OBL, FACW, or FAC: 100.0% (A/B)
1	
2	_
3	
5.	OBL species 0 x 1 = 0 FACW species 0 x 2 = 0
	=Total Cover FAC species 80 x 3 = 240
Herb Stratum (Plot size: 30')	FACU species 0 x 4 = 0
1. Dipsacus fullonum 8	Yes FAC UPL species 0 x 5 = 0
2.	Column Totals: 80 (A) 240 (B)
3	Prevalence Index = B/A = 3.00
5.	Hydrophytic Vegetation Indicators:
6.	1 - Rapid Test for Hydrophytic Vegetation
7.	
8	X_3 - Prevalence Index is ≤3.01
9	4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
10 11.	5 - Wetland Non-Vascular Plants ¹
8	=Total Cover Problematic Hydrophytic Vegetation ¹ (Explain)
Woody Vine Stratum (Plot size: 30')	¹ Indicators of hydric soil and wetland hydrology must
1	be present, unless disturbed or problematic.
2	Hydrophytic
% Bare Ground in Herb Stratum	=Total Cover Vegetation Present? Yes X No
	1 1030Ht: 100 A 100
Remarks:	

SOIL Sampling Point: WDP-10B-24(2)

Depth Matrix			x Feature							
(inches) Color (moist)	%	Color (moist)	<u>%</u>	Type ¹	Loc ²	Tex	ture		Remarks	
0-10 10YR 2/1	100					Loamy	/Clayey	Roots	s present in up	per 4"
10-16 10YR 5/2	97	10YR 6/6	3	<u>C</u>	M	Loamy	/Clayey	Promine	nt redox conce	entrations
						-				
						<u> </u>				
						,				
Type: C=Concentration, D=De	pletion, RM=	Reduced Matrix, C	S=Cove	red or C	oated Sa	and Grains.	² Loca	tion: PL=Pc	ore Lining, M=N	/latrix.
Hydric Soil Indicators: (Applic	able to all I								ematic Hydric	Soils ³ :
Histosol (A1)		Sandy Gley		ix (S4)				Muck (A10)		
Histic Epipedon (A2)		Sandy Red						_	Masses (F12) (LRR D)
Black Histic (A3)		Stripped M	,	,				Parent Mater	` ,	
Hydrogen Sulfide (A4)		Loamy Mud	•	, ,	(except	MLRA 1)			k Surface (F22	()
1 cm Muck (A9) (LRR D, G		Loamy Gle					Other	(Explain in	Remarks)	
X Depleted Below Dark Surfa	ce (A11)	Depleted M					31		. 4: 4 - 4:	
Thick Dark Surface (A12)		Redox Dar		` '					ytic vegetation	
Sandy Mucky Mineral (S1) 2.5 cm Mucky Peat or Peat	(S2) (I RR (Depleted D Redox Dep		` ')				/ must be pres or problematic.	
Restrictive Layer (if observed		Redox Bep	700010110	, (1 0)	I		unico	o diotarbou t	or problematio.	
Type:	,.									
* *										
Depth (inches):						Hydric S	oil Present	?	Yes X	No
Depth (inches): Remarks:						Hydric S	oil Present	?	Yes <u>X</u>	No
Remarks:						Hydric S	oil Present	?	Yes X	No
Remarks:	:					Hydric S	oil Present	?	Yes X	No
Remarks: HYDROLOGY Wetland Hydrology Indicators		red; check all that a	apply)			Hydric S			Yes X	
Remarks: IYDROLOGY Wetland Hydrology Indicators Primary Indicators (minimum of Surface Water (A1)		red; check all that a		ves (B9)	(except		Secondar	y Indicators		uired)
Remarks: IYDROLOGY Wetland Hydrology Indicators Primary Indicators (minimum of Surface Water (A1) High Water Table (A2)		Water-Stai	ned Lea				Secondar Wate	y Indicators r-Stained Le s, and 4B)	(2 or more req aves (B9) (ML	uired)
Remarks: IYDROLOGY Wetland Hydrology Indicators Primary Indicators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3)		Water-Stai MLRA 1 Salt Crust (ned Lea I, 2, 4A, (B11)	and 4B)		Secondar Wate 44 Drain	y Indicators r-Stained Le a, and 4B) age Patterns	(2 or more req aves (B9) (ML s (B10)	uired)
Remarks: IYDROLOGY Wetland Hydrology Indicators Primary Indicators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1)		Water-Stai MLRA 1 Salt Crust (Aquatic Inv	ned Lea 1, 2, 4A, (B11) vertebrat	and 4B) es (B13))		Secondar Wate 44 Drain Dry-S	y Indicators r-Stained Le J., and 4B) age Patterns eason Wate	(2 or more req aves (B9) (ML s (B10) er Table (C2)	uired) RA 1, 2
Remarks: IYDROLOGY Wetland Hydrology Indicators Primary Indicators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2)		Water-Stai MLRA 1 Salt Crust of Aquatic Inv Hydrogen S	ned Lea I, 2, 4A, (B11) vertebrat Sulfide C	and 4B) es (B13) dor (C1)	-	Secondar Wate 44 Drain Dry-S	y Indicators r-Stained Le A, and 4B) age Patterns reason Wate ation Visible	(2 or more req aves (B9) (ML s (B10) er Table (C2) on Aerial Ima	uired) RA 1, 2
Remarks: IYDROLOGY Wetland Hydrology Indicators Primary Indicators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3)		Water-Stai MLRA 1 Salt Crust (Aquatic Inv Hydrogen S Oxidized R	ned Lea 1, 2, 4A, (B11) vertebrat Sulfide C hizospho	and 4B) es (B13) dor (C1 eres on l)) Living Ro	-	Secondar Wate 4,4 Drain Dry-S Satur x Geom	y Indicators r-Stained Le A, and 4B) age Patterns eason Wate ation Visible norphic Posi	(2 or more req aves (B9) (ML s (B10) er Table (C2) on Aerial Imag	uired) RA 1, 2
Remarks: IYDROLOGY Wetland Hydrology Indicators Primary Indicators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) x Algal Mat or Crust (B4)		Water-Stai MLRA 1 Salt Crust (Aquatic Inv Hydrogen S Oxidized R Presence of	ned Lea I, 2, 4A, (B11) vertebrat Sulfide C hizospho of Reduce	es (B13) odor (C1 eres on l)) Living Ro (C4)	pots (C3)	Secondar Wate 4,4 Drain Dry-S Satur X Geom Shalle	y Indicators r-Stained Le A, and 4B) age Patterns eason Wate ation Visible norphic Positow Aquitard	(2 or more requaves (B9) (ML) or Table (C2) on Aerial Imaginary (D2) (D3)	uired) RA 1, 2
Remarks: HYDROLOGY Wetland Hydrology Indicators Primary Indicators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) x Algal Mat or Crust (B4) Iron Deposits (B5)		Water-Stai MLRA 1 Salt Crust (Aquatic Inv Hydrogen S Oxidized R Presence c Recent Iror	ned Lear 1, 2, 4A, (B11) vertebrat Sulfide C hizosphorf Reduce	es (B13) dor (C1 eres on l ed Iron () Living Ro (C4) Iled Soil	pots (C3)	Secondar Wate 4A Drain Dry-S Satur X Geom Shall FAC-	y Indicators r-Stained Le A, and 4B) age Patterns eason Wate ation Visible norphic Posit ow Aquitard Neutral Test	(2 or more req aves (B9) (ML s (B10) er Table (C2) on Aerial Image tion (D2) (D3) (D5)	uired) RA 1, 2
Remarks: HYDROLOGY Wetland Hydrology Indicators Primary Indicators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) X Algal Mat or Crust (B4) Iron Deposits (B5) X Surface Soil Cracks (B6)	one is requi	Water-Stai MLRA 1 Salt Crust (Aquatic Inv Hydrogen S Oxidized R Presence of Recent Iron Stunted or	ned Lear 1, 2, 4A, (B11) vertebrat Sulfide C hizosphor Reduct Reduct Stresse	es (B13) dor (C1 eres on I ed Iron (tion in Ti d Plants) Living Ro (C4) Iled Soil: (D1) (LF	pots (C3)	Secondar Wate 4A Drain Dry-S Satur X Geom Shalk FAC- Raise	y Indicators r-Stained Le A, and 4B) age Patterns eason Wate ation Visible norphic Posit bw Aquitard Neutral Test	(2 or more req aves (B9) (ML s (B10) or Table (C2) on Aerial Imag tion (D2) (D3) (D5) ds (D6) (LRR A	uired) RA 1, 2
Remarks: IYDROLOGY Wetland Hydrology Indicators Primary Indicators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) x Algal Mat or Crust (B4) Iron Deposits (B5)	one is requi	Water-Stai MLRA 1 Salt Crust (Aquatic Inv Hydrogen S Oxidized R Presence of Recent Iron Stunted or Other (Exp	ned Lear 1, 2, 4A, (B11) vertebrat Sulfide C hizosphor Reduct Reduct Stresse	es (B13) dor (C1 eres on I ed Iron (tion in Ti d Plants) Living Ro (C4) Iled Soil: (D1) (LF	pots (C3)	Secondar Wate 4A Drain Dry-S Satur X Geom Shalk FAC- Raise	y Indicators r-Stained Le A, and 4B) age Patterns eason Wate ation Visible norphic Posit bw Aquitard Neutral Test	(2 or more req aves (B9) (ML s (B10) er Table (C2) on Aerial Image tion (D2) (D3) (D5)	uired) RA 1, 2
Remarks: HYDROLOGY Wetland Hydrology Indicators Primary Indicators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) x Algal Mat or Crust (B4) Iron Deposits (B5) x Surface Soil Cracks (B6) Inundation Visible on Aerial	one is requi	Water-Stai MLRA 1 Salt Crust (Aquatic Inv Hydrogen S Oxidized R Presence of Recent Iron Stunted or Other (Exp	ned Lear 1, 2, 4A, (B11) vertebrat Sulfide C hizosphor Reduct Reduct Stresse	es (B13) dor (C1 eres on I ed Iron (tion in Ti d Plants) Living Ro (C4) Iled Soil: (D1) (LF	pots (C3)	Secondar Wate 4A Drain Dry-S Satur X Geom Shalk FAC- Raise	y Indicators r-Stained Le A, and 4B) age Patterns eason Wate ation Visible norphic Posit bw Aquitard Neutral Test	(2 or more req aves (B9) (ML s (B10) or Table (C2) on Aerial Imag tion (D2) (D3) (D5) ds (D6) (LRR A	uired) RA 1, 2
Remarks: HYDROLOGY Wetland Hydrology Indicators Primary Indicators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) x Algal Mat or Crust (B4) Iron Deposits (B5) x Surface Soil Cracks (B6) Inundation Visible on Aerial Sparsely Vegetated Concav	one is requi	Water-Stai MLRA 1 Salt Crust (Aquatic Inv Hydrogen 3 Oxidized R Presence of Recent Iron Stunted or Other (Exp	ned Lear 1, 2, 4A, (B11) vertebrat Sulfide C hizosphor Reduct Reduct Stresse	es (B13) Odor (C1 eres on l ed Iron (tion in Ti d Plants emarks)) Living Ro (C4) Iled Soil (D1) (LF	pots (C3)	Secondar Wate 4A Drain Dry-S Satur X Geom Shalk FAC- Raise	y Indicators r-Stained Le A, and 4B) age Patterns leason Wate ation Visible horphic Posit bw Aquitard Neutral Test	(2 or more req aves (B9) (ML s (B10) or Table (C2) on Aerial Imag tion (D2) (D3) (D5) ds (D6) (LRR A	uired) RA 1, 2
Remarks: HYDROLOGY Wetland Hydrology Indicators Primary Indicators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) x Algal Mat or Crust (B4) Iron Deposits (B5) x Surface Soil Cracks (B6) Inundation Visible on Aerial Sparsely Vegetated Concav Field Observations: Surface Water Present?	one is requi	Water-Stai MLRA 1 Salt Crust (Aquatic Inv Hydrogen 3 Oxidized R Presence of Recent Iror Stunted or Other (Exp	ned Lea 1, 2, 4A, (B11) vertebrat Sulfide C hizospho of Reduct n Reduct Stressed Iain in R	es (B13) odor (C1 eres on led Iron (tion in Tid Plants emarks)) Living Ro (C4) Iled Soil (D1) (LF	pots (C3)	Secondar Wate 4A Drain Dry-S Satur X Geom Shalk FAC- Raise	y Indicators r-Stained Le A, and 4B) age Patterns leason Wate ation Visible horphic Posit bw Aquitard Neutral Test	(2 or more req aves (B9) (ML s (B10) or Table (C2) on Aerial Imag tion (D2) (D3) (D5) ds (D6) (LRR A	uired) RA 1, 2
Remarks: HYDROLOGY Wetland Hydrology Indicators Primary Indicators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) X Algal Mat or Crust (B4) Iron Deposits (B5) X Surface Soil Cracks (B6) Inundation Visible on Aerial Sparsely Vegetated Concav Field Observations: Surface Water Present?	Imagery (B7/re Surface (E	Water-Stai MLRA 1 Salt Crust (Aquatic Inv Hydrogen S Oxidized R Presence of Recent Iron Stunted or Other (Exp 38)	ned Lea 1, 2, 4A, (B11) vertebrat Sulfide C hizospho of Reduct n Reduct Stressed Iain in R	es (B13) dor (C1 eres on I ed Iron (tion in Ti d Plants emarks) nches):) Living Ro (C4) Iled Soil (D1) (LF	pots (C3) s (C6) RR A)	Secondar Wate 44 Drain Dry-S Satur X Geom Shall FAC- Raise Frost	y Indicators r-Stained Le A, and 4B) age Patterns leason Wate ation Visible norphic Posit bw Aquitard Neutral Test ad Ant Mound Heave Hum	(2 or more req aves (B9) (ML s (B10) or Table (C2) on Aerial Imag tion (D2) (D3) (D5) ds (D6) (LRR A	uired) RA 1, 2
HYDROLOGY Wetland Hydrology Indicators Primary Indicators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) X Algal Mat or Crust (B4) Iron Deposits (B5) X Surface Soil Cracks (B6) Inundation Visible on Aerial Sparsely Vegetated Concav Field Observations: Surface Water Present? Water Table Present? Saturation Present? (includes capillary fringe)	Imagery (B7/ve Surface (B7/ves	Water-Stai MLRA 1 Salt Crust of Aquatic Inv Hydrogen Solution Oxidized R Presence of Recent Iron Stunted or Other (Exp No x No x No x	ned Lea 1, 2, 4A, (B11) vertebrat Sulfide C hizospho of Reduct n Reduct Stressed lain in R Depth (ii Depth (ii	es (B13) dor (C1 eres on I ed Iron (tion in Ti d Plants emarks) nches): _nches): _) Living Ro (C4) Iled Soil (D1) (LF	oots (C3) s (C6) RR A) Wetlan	Secondar Wate 4,4 Drain Dry-S Satur x Geon Shalld FAC- Raise Frost	y Indicators r-Stained Le A, and 4B) age Patterns leason Wate ation Visible norphic Posit bw Aquitard Neutral Test ad Ant Mound Heave Hum	(2 or more requaves (B9) (ML) on Aerial Imagition (D2) (D3) (D5) ds (D6) (LRR Amocks (D7)	uired) RA 1, 2 gery (C9)
Remarks: HYDROLOGY Wetland Hydrology Indicators Primary Indicators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) x Algal Mat or Crust (B4) Iron Deposits (B5) x Surface Soil Cracks (B6) Inundation Visible on Aerial Sparsely Vegetated Concav Field Observations: Surface Water Present? Water Table Present?	Imagery (B7/ve Surface (B7/ves	Water-Stai MLRA 1 Salt Crust of Aquatic Inv Hydrogen Solution Oxidized R Presence of Recent Iron Stunted or Other (Exp No x No x No x	ned Lea 1, 2, 4A, (B11) vertebrat Sulfide C hizospho of Reduct n Reduct Stressed lain in R Depth (ii Depth (ii	es (B13) dor (C1 eres on I ed Iron (tion in Ti d Plants emarks) nches): _nches): _) Living Ro (C4) Iled Soil (D1) (LF	oots (C3) s (C6) RR A) Wetlan	Secondar Wate 4,4 Drain Dry-S Satur x Geon Shalld FAC- Raise Frost	y Indicators r-Stained Le A, and 4B) age Patterns leason Wate ation Visible norphic Posit bw Aquitard Neutral Test ad Ant Mound Heave Hum	(2 or more requaves (B9) (ML) on Aerial Imagition (D2) (D3) (D5) ds (D6) (LRR Amocks (D7)	uired) RA 1, 2 gery (C9)
HYDROLOGY Wetland Hydrology Indicators Primary Indicators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) X Algal Mat or Crust (B4) Iron Deposits (B5) X Surface Soil Cracks (B6) Inundation Visible on Aerial Sparsely Vegetated Concav Field Observations: Surface Water Present? Water Table Present? Saturation Present? (includes capillary fringe)	Imagery (B7/ve Surface (B7/ves	Water-Stai MLRA 1 Salt Crust of Aquatic Inv Hydrogen Solution Oxidized R Presence of Recent Iron Stunted or Other (Exp No x No x No x	ned Lea 1, 2, 4A, (B11) vertebrat Sulfide C hizospho of Reduct n Reduct Stressed lain in R Depth (ii Depth (ii	es (B13) dor (C1 eres on I ed Iron (tion in Ti d Plants emarks) nches): _nches): _) Living Ro (C4) Iled Soil (D1) (LF	oots (C3) s (C6) RR A) Wetlan	Secondar Wate 4,4 Drain Dry-S Satur x Geon Shalld FAC- Raise Frost	y Indicators r-Stained Le A, and 4B) age Patterns leason Wate ation Visible norphic Posit bw Aquitard Neutral Test ad Ant Mound Heave Hum	(2 or more requaves (B9) (ML) on Aerial Imagition (D2) (D3) (D5) ds (D6) (LRR Amocks (D7)	uired) RA 1, 2 gery (C9)
Remarks: HYDROLOGY Wetland Hydrology Indicators Primary Indicators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) x Algal Mat or Crust (B4) Iron Deposits (B5) x Surface Soil Cracks (B6) Inundation Visible on Aerial Sparsely Vegetated Concav Field Observations: Surface Water Present? Water Table Present? Saturation Present? (includes capillary fringe) Describe Recorded Data (streat	Imagery (B7/ve Surface (B7/ves	Water-Stai MLRA 1 Salt Crust of Aquatic Inv Hydrogen Solution Oxidized R Presence of Recent Iron Stunted or Other (Exp No x No x No x	ned Lea 1, 2, 4A, (B11) vertebrat Sulfide C hizospho of Reduct n Reduct Stressed lain in R Depth (ii Depth (ii	es (B13) dor (C1 eres on I ed Iron (tion in Ti d Plants emarks) nches): _nches): _) Living Ro (C4) Iled Soil (D1) (LF	oots (C3) s (C6) RR A) Wetlan	Secondar Wate 4,4 Drain Dry-S Satur x Geon Shalld FAC- Raise Frost	y Indicators r-Stained Le A, and 4B) age Patterns leason Wate ation Visible norphic Posit bw Aquitard Neutral Test ad Ant Mound Heave Hum	(2 or more requaves (B9) (ML) on Aerial Imagition (D2) (D3) (D5) ds (D6) (LRR Amocks (D7)	uired) RA 1, 2 gery (C9)

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Project/Site: Post Creek Hill - US 93	•	City/Cour	nty: Lake		Sampling Date:	8-7-2024
Applicant/Owner: MDT				State: MT	Sampling Point:	WDP-11A-24(1)
Investigator(s): B.Cline, F.Doty		Section, T	ownship, Ra	nge: S13 T19N R20W		
Landform (hillside, terrace, etc.): field		_ocal relief (co	oncave, conv	ex, none): concave	Slo	pe (%): <u>0-5</u>
Subregion (LRR/MLRA): LRR E, MLRA 44A	Lat:	47.40921	8 I	Long: <u>-114.096446</u>	Datum:	NAD83
Soil Map Unit Name: Post silty clay loam, 4 to 8 percent	t slopes			NWI classif	ication: none	
Are climatic / hydrologic conditions on the site typical for	r this time of	year?	Yes X	No (If no, exp	lain in Remarks.)	
Are Vegetation, Soil, or Hydrologys	ignificantly d	isturbed? A	re "Normal C	Circumstances" present?	Yes X N	o
Are Vegetation, Soil, or Hydrologyn	aturally prob	lematic? (I	f needed, ex	plain any answers in Ren	narks.)	
SUMMARY OF FINDINGS – Attach site ma	p showin	g sampling	g point lo	cations, transects,	important feat	ures, etc.
Hydrophytic Vegetation Present? Yes X No		Is the	Sampled A	rea		
			n a Wetland		No	
Wetland Hydrology Present? Yes X No						
Remarks:		•				
VECETATION Has a district of the						
VEGETATION – Use scientific names of pl	Absolute	Dominant	Indicator			
<u>Tree Stratum</u> (Plot size: 30')	% Cover	Species?	Status	Dominance Test wor	ksheet:	
1				Number of Dominant S	Species That	
2.				Are OBL, FACW, or F.	AC:	2 (A)
3.				Total Number of Domi Across All Strata:	nant Species	2 (B)
4		Total Cover		Percent of Dominant S		2 (B)
Sapling/Shrub Stratum (Plot size: 30')				Are OBL, FACW, or F.		00.0% (A/B)
1.						
2				Prevalence Index wo		
3.				Total % Cover of		
4 5.				OBL species 50 FACW species 0		0
o		Total Cover		FAC species 50		150
Herb Stratum (Plot size: 30')				FACU species 0	x 4 =	0
1. Poa pratensis	40	Yes	FAC	UPL species 0	x 5 =	0
2. Carex nebrascensis	50	Yes	OBL	Column Totals: 10	` ′	200 (B)
3. Rumex crispus 4.	10	<u>No</u>	FAC	Prevalence Index :	= B/A =2.00	<u> </u>
				Hydrophytic Vegetati	on Indicators:	
6.					Hydrophytic Veget	ation
7.	·			X 2 - Dominance Te	st is >50%	
8				X 3 - Prevalence Ind		
9.					Adaptations ¹ (Provions or on a separate	
10				5 - Wetland Non-\		Silect)
11	100 =	Total Cover			ophytic Vegetation ¹	(Explain)
Woody Vine Stratum (Plot size: 30')				¹ Indicators of hydric so		
1.				be present, unless dis		
2				Hydrophytic		
% Bare Ground in Herb Stratum	=	Total Cover		Vegetation Present? Yes	X No	
				. 1636111: 163		_
Remarks:						

SOIL Sampling Point: WDP-11A-24(1)

Profile Desc Depth	cription: (Describe to Matrix	to the dept		ment th		itor or o	confirm the	absence of	indicators.)		
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Text	ture		Remarks	
0-1	10YR 2/2	100	<u> </u>				Loamy/	Clayey	organic	with roots pr	esent
1-4	10YR 3/2	100					Sar			n gravels-sat	,
4-18	10YR 4/1	100					Loamy/			none	
	101114/1	100					Loaniyi	Olaycy		HOHE	
-											
1								2			
	oncentration, D=Depl					oated S	and Grains.		on: PL=Pore		
-	Indicators: (Applica	DIE TO AII L							for Problem	-	Solis":
Histosol	,		Sandy Gley		IX (S4)				uck (A10) (L		DD D\
Black Hi	oipedon (A2)		Sandy Red Stripped M		:)				inganese Ma rent Material		LKK D)
	n Sulfide (A4)		Loamy Mu	,	,	(excent	MIRA 1)		nallow Dark S	` '	١
	ick (A9) (LRR D, G)		Loamy Gle	-		(схосрі	ineroa i,		Explain in Re		,
	d Below Dark Surface	e (A11)	X Depleted M						zzpiaii ii i to	manto,	
	ark Surface (A12)	()	Redox Dar		-			³ Indicators	of hydrophyti	c vegetation	and
	lucky Mineral (S1)		Depleted D					wetland	l hydrology m	nust be prese	ent,
	Mucky Peat or Peat (S2) (LRR G						unless	disturbed or	problematic.	
Restrictive	Layer (if observed):										
Type:											
Depth (ii	nches):		<u></u>				Hydric So	oil Present?		Yes X	No
Remarks:											
HYDROLC											
_	drology Indicators: cators (minimum of o	ne ie reguir	ed: check all that a	nnly)				Secondary	Indicators (2	or more real	uired)
-	Water (A1)	ne is requir	Water-Stai		ves (R9)	(excen			Stained Leav		
	iter Table (A2)				and 4B)		•		and 4B)	co (Bo) (MEI	VA 1, 2
X Saturation	` '		Salt Crust		,				je Patterns (I	310)	
	larks (B1)		Aquatic Inv		es (B13)				, ason Water T		
Sedimer	nt Deposits (B2)		Hydrogen S	Sulfide C	Odor (C1))		Saturat	ion Visible or	n Aerial Imag	ery (C9)
Drift Dep	oosits (B3)		Oxidized R	hizosph	eres on l	₋iving R	oots (C3)	X Geomo	rphic Position	n (D2)	
Algal Ma	at or Crust (B4)		Presence of		,	,			/ Aquitard (D	•	
	osits (B5)		Recent Iron				, ,		eutral Test (D	•	
	Soil Cracks (B6)		Stunted or			(D1) (L l	RR A)		Ant Mounds		A)
	on Visible on Aerial Ir	0 , (′ 	ain in R	emarks)			Frost-H	eave Humm	ocks (D7)	
	Vegetated Concave	Surrace (B	i8)				_				
Field Obser			N V	D " "		•					
Surface Wat					nches): _	0					
Water Table Saturation P		s X			nches): _ nches):		Wotland	d Hydrology	Drocont2	Voc V	No
		<u> </u>		Depui (i	i i ci i e s)		vvetiani	u nyurology	rieseiit:	162	No
(includes ca	corded Data (stream	dande mo	nitoring well aerial	photos	previous	s inspec	tions) if ava	ailable [.]			
DOGGING IVE	oo. dod Data (Stroath	gaage, mo	Thioming Woll, acrial	p110103,	providus	лізрес	,,, ii ave	andolo.			
Remarks:											

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Project/Site: Post Creek Hill - US 93	City/Count	ty: Lake	•	Sampling Date:	8/8/2024
Applicant/Owner: MDT	_	'	State: MT	Sampling Point:	WDP-11A-24(2)
Investigator(s): B.Cline, F.Doty	Section, To	wnship, Ran	ge: S13 T19N R20W		
Landform (hillside, terrace, etc.): field	Local relief (cor	ncave, conve	x, none): <u>convex</u>	Slop	oe (%): <u>0-5</u>
Subregion (LRR/MLRA): LRR E, MLRA 44A Lat	: 47.409224	Lo	ong: <u>-114.096460</u>	Datum:	NAD83
Soil Map Unit Name: Post silty clay loam, 4 to 8 percent slop	es		NWI classif	ication: none	
Are climatic / hydrologic conditions on the site typical for this	time of year?	res X	No (If no, exp	lain in Remarks.)	
Are Vegetation, Soil, or Hydrologysignifi	cantly disturbed? Are	e "Normal Ci	rcumstances" present?	Yes X No	<u> </u>
Are Vegetation, Soil, or Hydrologynatura	illy problematic? (If	needed, exp	lain any answers in Ren	narks.)	
SUMMARY OF FINDINGS – Attach site map sh	nowing sampling	point loc	ations, transects,	important feat	ures, etc.
Hydrophytic Vegetation Present? Yes X No	Is the	Sampled Are	ea		
Hydric Soil Present? Yes X No	_	a Wetland?		No	
Wetland Hydrology Present? Yes X No	_				
Remarks:					
VEGETATION – Use scientific names of plants	<u> </u>				
-		Indicator			
Tree Stratum (Plot size: 30') % (Cover Species?	Status	Dominance Test wor	ksheet:	
1			Number of Dominant S	•	0 (4)
2. 3.			Are OBL, FACW, or FA		2 (A)
4.			Total Number of Domi Across All Strata:	•	2 (B)
	=Total Cover		Percent of Dominant S		\
Sapling/Shrub Stratum (Plot size: 30')			Are OBL, FACW, or Fa	AC: <u>10</u>	0.0% (A/B)
1		 			
2. 3.			Prevalence Index wo Total % Cover of:		, by:
4.			OBL species 0		0
5.			FACW species 50	0 x 2 = 1	100
<u> </u>	=Total Cover		FAC species 50	0 x 3 = 1	150
Herb Stratum (Plot size: 30')	50 V	E4 0)4/	FACU species 0		0
	50 <u>Yes</u> 50 Yes	FACW FAC	UPL species 0 Column Totals: 10		0 250 (B)
3.			Prevalence Index :	``	
4.					
5			Hydrophytic Vegetati		
6			1 - Rapid Test for X 2 - Dominance Te	Hydrophytic Vegeta	ation
			X 3 - Prevalence Ind		
9.			4 - Morphological	Adaptations ¹ (Provid	de supporting
10				s or on a separate s	sheet)
11			5 - Wetland Non-V		<i>(</i> =)
	00 =Total Cover			phytic Vegetation ¹	
Woody Vine Stratum (Plot size: 30') 1			¹ Indicators of hydric so be present, unless dist		
2.			Hydrophytic		<u> </u>
	=Total Cover		Vegetation		
% Bare Ground in Herb Stratum			Present? Yes	X No	<u> </u>
Remarks:					

SOIL Sampling Point: WDP-11A-24(2)

Profile Descri Depth	iption: (Describe t Matrix	o the depth		i <mark>ment th</mark> x Featur		tor or o	confirm the abs	ence of i	indicators.)		
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture		R	emarks	
0-3	10YR 3/2	100	, ,				Loamy/Cla	vev _	thick and de		resent
3-10	10YR 4/1	95	5YR 4/6	5	D	M	Loamy/Cla			p	
10-16	10YR 5/1	100	J11 4/0			171	Loamy/ola	<u>y ⊂ y</u>			
10-16	1018 5/1	100					_				
			_								
	ncentration, D=Depl					oated S			on: PL=Pore Li		_
_	dicators: (Applica	ble to all LF					Inc		for Problemati	-	oils³:
Histosol (A	•		Sandy Gley		rix (S4)			_	uck (A10) (LRF		
	pedon (A2)		Sandy Red					_	nganese Mass		RR D)
Black Hist	` '		Stripped M	`	,			_	rent Material (F	,	
	Sulfide (A4)		Loamy Muc			(except	MLRA 1)		nallow Dark Sur		
	k (A9) (LRR D, G)	(0.44)	Loamy Gle				_	Other (I	Explain in Rem	arks)	
	Below Dark Surface	(A11)	X Depleted M Redox Dark	,	,		3100	dicators	of hydrophytic v	ogototion o	nd
	k Surface (A12) icky Mineral (S1)		Depleted D		` '		111		hydrology mus	•	
	ucky Peat or Peat (\$	(2) (I RR G)			, ,				disturbed or pro		ιι,
	ayer (if observed):) (LITT 0)	Nedox Bep	70001011	3 (1 0)			unicos (alotarboa or pro	biomatio.	
Type:	ayer (ii observed).										
Depth (inc	ches):		_				Hydric Soil F	resent?	Ye	es X	No
Remarks:			<u> </u>				,				
Nomano.											
HYDROLOG	GY										
-	rology Indicators:										
-	ators (minimum of o	ne is require							Indicators (2 or		
Surface W	` '		X Water-Stai				<u> </u>		Stained Leaves	(B9) (MLR	A 1, 2
	er Table (A2)				and 4B)			•	and 4B)	0)	
Saturation			Salt Crust	. ,	os (D12)			_	je Patterns (B1		
Water Ma	Deposits (B2)		Aquatic Inv Hydrogen S					_	ason Water Tal ion Visible on <i>A</i>		my (C0)
Drift Depo			Oxidized R				oots (C3)	_	rphic Position (-	ily (C9)
X Algal Mat			Presence of			U		_	Aquitard (D3)	<i>D2)</i>	
Iron Depo			Recent Iron		`	,	s (C6)	_	eutral Test (D5))	
	oil Cracks (B6)		Stunted or					_	Ant Mounds (D		
	n Visible on Aerial Ir	nagery (B7)				, , ,	, <u> </u>		eave Hummocl		
Sparsely \	Vegetated Concave	Surface (B8	B)								
Field Observa	ations:										
Surface Water	r Present? Ye	8	No X	Depth (i	nches):						
Water Table F	Present? Yes	s	No X	Depth (i	nches):						
Saturation Pre	esent? Ye	s	No X	Depth (i	nches):		Wetland Hy	ydrology	Present? Ye	es X	No
(includes capil											
Describe Reco	orded Data (stream	gauge, mon	itoring well, aerial	photos,	previous	inspec	tions), if availab	le:			
Remarks:											

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Project/Site: Post Creek Hill - US 93	•	City/Cou	nty: Lake		Sampling Date:	8/8/2024
Applicant/Owner: MDT				State: MT	Sampling Point:	WDP-11A-24(3)
Investigator(s): B.Cline, F.Doty		Section, T	ownship, Ra	nge: S13 T19N R20W		
Landform (hillside, terrace, etc.): Swale		Local relief (co	oncave, conv	vex, none): Concave	Slo	pe (%): <u>0-5</u>
Subregion (LRR/MLRA): LRR E, MLRA 44A	Lat:	47.41272	29	Long: -114.096272	Datum:	NAD83
Soil Map Unit Name: Irvine silty clay, 8 to 15 percent	slopes			NWI classif	fication: PEM1F	
Are climatic / hydrologic conditions on the site typical	for this time o	f year?	Yes X	No (If no, exp	olain in Remarks.)	
Are Vegetation, Soil, or Hydrology	significantly	disturbed? A	re "Normal (Circumstances" present?	Yes X N	lo
Are Vegetation, Soil, or Hydrology	='		If needed, ex	plain any answers in Ren	narks.)	
SUMMARY OF FINDINGS – Attach site m	_		g point lo	cations, transects,	important fea	tures, etc.
Hydrophytic Vegetation Present? Yes X I	No	ls the	Sampled A	roa		
	No		n a Wetland		No	
	No					
Remarks:						
VEGETATION – Use scientific names of	-					
<u>Tree Stratum</u> (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test wor	ksheet:	
1.	70 00001	ореско:	Otatas	Number of Dominant S		
2.				Are OBL, FACW, or F	•	2 (A)
3.				Total Number of Domi	nant Species	
4				Across All Strata:		2 (B)
Cardina/Ohada Chartana (Diataina 20)	, 	=Total Cover		Percent of Dominant S		00 00/ /A/D
Sapling/Shrub Stratum (Plot size: 30' 1.	_)			Are OBL, FACW, or F.	AC: 10	00.0% (A/B)
2.				Prevalence Index wo	rksheet:	
3.				Total % Cover of		y by:
4.				OBL species 55	5 x 1 =	55
5				FACW species 20		40
		=Total Cover		FAC species 15		45
Herb Stratum (Plot size: 30') 1. Juncus balticus	20	Yes	FACW	FACU species 0 UPL species 0		0
2. Poa pratensis	15	No	FAC	Column Totals: 90		140 (B)
3. Carex nebrascensis	50	Yes	OBL	Prevalence Index		
4. Glyceria grandis	5	No	OBL			
5.				Hydrophytic Vegetati	on Indicators:	
6				1 - Rapid Test for		tation
7.				X 2 - Dominance Te		
8. 9.				X 3 - Prevalence Ind 4 - Morphological		ido supportina
10					s or on a separate	
11	_			5 - Wetland Non-\	/ascular Plants ¹	,
	90	=Total Cover		Problematic Hydro	ophytic Vegetation	¹ (Explain)
Woody Vine Stratum (Plot size: 30'				¹ Indicators of hydric so		
1.				be present, unless dis	turbed or problema	atic.
2		-T-4-1 O		Hydrophytic		
% Bare Ground in Herb Stratum		=Total Cover		Vegetation Present? Yes	X No	
				110301111 103		_
Remarks:						

SOIL Sampling Point: WDP-11A-24(3)

Profile Desc	cription: (Describe	to the dept	h needed to doc	ument t	he indica	tor or c	confirm the	absence of	findicators.)		
Depth	Matrix		Redo	x Featu	es						
(inches)	Color (moist)	%	Color (moist)	<u>%</u>	Type ¹	Loc ²	Tex	ture		Remarks	
0-3	10YR 3/2	100					Loamy	/Clayey	thick and	dense roots	present
3-10	10YR 4/1	95	5YR 4/6	5	D	M	Loamy	/Clayey			
10-16	10YR 5/1	100					,				<u></u>
	-										
	•						•				
l ———							-				
l											
<u> </u>											
	oncentration, D=De					oated Sa	and Grains.		ion: PL=Pore		
_	Indicators: (Applic	able to all L	*		•				for Problem	-	Soils ³ :
Histosol			Sandy Gle	-					Иuck (А10) (L		
I —	oipedon (A2)		Sandy Red						anganese Ma		LRR D)
	stic (A3)		Stripped M	-	-				arent Materia	, ,	
	n Sulfide (A4)		Loamy Mu	•	, ,	except	MLRA 1)		Shallow Dark	,)
I —	ick (A9) (LRR D, G)		Loamy Gle	-				Other	(Explain in Re	emarks)	
	d Below Dark Surface	æ (A11)	X Depleted N		-			31ndia=+=	of budges - bud	io vocatatia	and
	ark Surface (A12)		Redox Dar						of hydrophyt	-	
	Mucky Mineral (S1)	(S2) (I DD C	Depleted [Redox Dep		, ,				d hydrology r disturbed or		ent,
	Mucky Peat or Peat		Redox Dep	JIESSIUII	S (FO)			uniess	disturbed of	рговієптаціс.	
	Layer (if observed)):									
Type: Depth (ir	achos):		_				Hydric S	oil Present)	Yes X	No
							Hyuric 3	Oli Fresent	1	162	<u> </u>
Remarks:											
HYDROLO)GY										
Wetland Hy	drology Indicators	<u> </u>									
_	cators (minimum of		ed; check all that	apply)				Secondary	Indicators (2	or more requ	uired)
X Surface		•	X Water-Sta		ives (B9)	(except	t		-Stained Leav	-	
	ater Table (A2)				, and 4B)	-			, and 4B)	, , ,	·
X Saturation	on (A3)		Salt Crust	(B11)				Draina	ige Patterns (B10)	
Water M	larks (B1)		Aquatic In	vertebra	tes (B13)			Dry-Se	eason Water	Table (C2)	
Sedimer	nt Deposits (B2)		Hydrogen	Sulfide (Odor (C1)			Satura	ition Visible o	n Aerial Imag	jery (C9)
Drift Dep	oosits (B3)		Oxidized F	Rhizosph	eres on L	iving Ro	oots (C3)	X Geom	orphic Positio	n (D2)	
X Algal Ma	at or Crust (B4)		Presence		,	,		Shallo	w Aquitard (D	03)	
	oosits (B5)		Recent Iro				, ,		leutral Test (I	-	
	Soil Cracks (B6)		Stunted or			(D1) (LF	RR A)		d Ant Mounds		()
	on Visible on Aerial	0 , (′ 	olain in F	Remarks)			Frost-	Heave Humm	ocks (D7)	
Sparsely	/ Vegetated Concav	e Surface (B	88)				ī				
Field Obser						•					
Surface Wat		es X		Depth (· -	2					
Water Table		es X		Depth (· · ·	0	\		. D 10	V V	NI-
Saturation P		es X	No	Depth (ıncnes): _	0	wetlan	d Hydrolog	y Present?	Yes X	No
(includes cap			nitoring well acres	l nb - +	nrovil-v-	lno	tions) if	oiloblo:			
Describe Re	corded Data (strean	n gauge, mo	mioring well, aeria	i pnotos	, previous	ınspec	uons), it ava	aliable:			
Remarks:											

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Project/Site: Post Creek Hill - US 93		City/Cou	nty: Lake			Sampling Date:	9-16-24
Applicant/Owner: MDT				State:	MT	Sampling Point:	WDP-11A-24(4)
Investigator(s): B.Cline, F.Doty		Section, T	ownship, Ran	ge: S13 T	19N R20W		•
Landform (hillside, terrace, etc.): Swale		Local relief (co	oncave, conve	ex, none):	Concave	Slo	pe (%): 0-5
Subregion (LRR/MLRA): LRR E, MLRA 44A			5 L	_			NAD83
Soil Map Unit Name: Post silty clay loam, 4 to 8 percen						cation: none	
Are climatic / hydrologic conditions on the site typical fo	r this time o	f vear?	Yes X	No	(If no. exp	ain in Remarks.)	
Are Vegetation, Soil, or Hydrologys							١o
Are Vegetation , Soil , or Hydrology r			f needed, exp		•		
SUMMARY OF FINDINGS – Attach site ma				-		•	tures, etc.
	<u> </u>		Sampled Arenal Sampled Arenal Sample		Yes X	No	
			i a modana		<u>X</u>		
Remarks:		ı					
VEGETATION – Use scientific names of pl	Absolute	Dominant	Indicator				
Tree Stratum (Plot size: 30')	% Cover	Dominant Species?	Indicator Status	Dominano	e Test work	sheet:	
1.				Number of	Dominant S	Species That	
2.				Are OBL, F	FACW, or FA	AC:	2 (A)
3						nant Species	
4		T-1-1 0		Across All			(B)
<u>Sapling/Shrub Stratum</u> (Plot size: 30')		=Total Cover			Dominant S FACW, or FA	pecies That	00.0% (A/B)
1.				Ale Obl., I	ACVV, OI 17	<u> </u>	00.0 % (A/D)
2.				Prevalenc	e Index wo	rksheet:	
3.				Total	% Cover of:	Multipl	y by:
4.				OBL speci	es <u>60</u>	x 1 =	60
5				FACW spe			20
(5)		=Total Cover		FAC speci			60
Herb Stratum (Plot size: 30') 1. Typha latifolia	60	Yes	OBL	FACU spe UPL specie			0
Solanum dulcamara	20	Yes	FAC	Column To			140 (B)
3. Mentha arvensis	10	No	FACW	Prevale	nce Index =	`	
4.							
5.				Hydrophy	tic Vegetati	on Indicators:	
6						Hydrophytic Vege	tation
7.					minance Tes		
8. 9.					evalence Ind	ex is ≤3.0 Adaptations¹(Prov	ida ayanartina
						s or on a separate	
10 11.						ascular Plants ¹	,
	90	=Total Cover	-			phytic Vegetation	¹ (Explain)
Woody Vine Stratum (Plot size: 30')						il and wetland hyd	
1				be present	, unless dist	urbed or problema	atic.
2				Hydrophy			
% Bare Ground in Herb Stratum		=Total Cover		Vegetation Present?		Y Na	
				riesell!	Yes_	<u>X</u> No	
Remarks:							

SOIL Sampling Point: WDP-11A-24(4)

(inches) Color (moist) % Color (moist) % Type¹ Loc 0-3 10YR 3/1 90 10YR 4/4 10 C PL 3-12 10YR 4/1 100		Remarks
3-12 10YR 4/1 100	Loamy/Clayey	
		roots present
12-18 10YR 3/3 60	Loamy/Clayey	20% gravels
		40% 10YR 4/1
	_	
	_	
	_	
	_	
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated	Sand Grains ² I	ocation: PL=Pore Lining, M=Matrix.
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)		ators for Problematic Hydric Soils ³ :
Histosol (A1) Sandy Gleyed Matrix (S4)		cm Muck (A10) (LRR A, E)
Histic Epipedon (A2) Sandy Redox (S5)		on-Manganese Masses (F12) (LRR D)
Black Histic (A3) Stripped Matrix (S6)		ed Parent Material (F21)
Hydrogen Sulfide (A4) Loamy Mucky Mineral (F1) (exce		ery Shallow Dark Surface (F22)
1 cm Muck (A9) (LRR D, G) Loamy Gleyed Matrix (F2)		ther (Explain in Remarks)
Depleted Below Dark Surface (A11) X Depleted Matrix (F3)	<u> </u>	(_Apian in Normano)
Thick Dark Surface (A12) Redox Dark Surface (F6)	³ Indic	ators of hydrophytic vegetation and
Sandy Mucky Mineral (S1) Depleted Dark Surface (F7)		etland hydrology must be present,
2.5 cm Mucky Peat or Peat (S2) (LRR G) Redox Depressions (F8)		nless disturbed or problematic.
Restrictive Layer (if observed):		·
Type:		
Depth (inches):	Hydric Soil Pres	sent? Yes X No
Remarks:		
IYDROLOGY		
Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply)	Secon	ndary Indicators (2 or more required)
Surface Water (A1) Water-Stained Leaves (B9) (exce		/ater-Stained Leaves (B9) (MLRA 1, 2
High Water Table (A2) MLRA 1, 2, 4A, and 4B)	·	4A, and 4B)
	D	rainage Patterns (B10)
X Saturation (A3) Salt Crust (B11)		
X Saturation (A3) Salt Crust (B11) Water Marks (B1) Aquatic Invertebrates (B13)	D	ry-Season Water Table (C2)
Water Marks (B1) Aquatic Invertebrates (B13)		ry-Season Water Table (C2) aturation Visible on Aerial Imagery (C9)
	s	ry-Season Water Table (C2) aturation Visible on Aerial Imagery (C9) eomorphic Position (D2)
Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) X Oxidized Rhizospheres on Living	Roots (C3) X G	aturation Visible on Aerial Imagery (C9) eomorphic Position (D2)
Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) X Oxidized Rhizospheres on Living Presence of Reduced Iron (C4)	Roots (C3) X G S	aturation Visible on Aerial Imagery (C9) eomorphic Position (D2) hallow Aquitard (D3)
Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) X Oxidized Rhizospheres on Living Presence of Reduced Iron (C4)	S X G S S S S S S S S S	aturation Visible on Aerial Imagery (C9) eomorphic Position (D2)
Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) X Oxidized Rhizospheres on Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled S	S X G S S S S S S S S S	aturation Visible on Aerial Imagery (C9) eomorphic Position (D2) hallow Aquitard (D3) AC-Neutral Test (D5)
Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Aquatic Invertebrates (B13) Aquatic Invertebrates (B13) X Oxidized Rhizospheres on Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled S Stunted or Stressed Plants (D1) (S X G S S S S S S S S S	aturation Visible on Aerial Imagery (C9) eomorphic Position (D2) hallow Aquitard (D3) AC-Neutral Test (D5) aised Ant Mounds (D6) (LRR A)
Water Marks (B1) Sediment Deposits (B2) Hydrogen Sulfide Odor (C1) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) X Oxidized Rhizospheres on Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled S Stunted or Stressed Plants (D1) (Other (Explain in Remarks)	S X G S S S S S S S S S	aturation Visible on Aerial Imagery (C9) eomorphic Position (D2) hallow Aquitard (D3) AC-Neutral Test (D5) aised Ant Mounds (D6) (LRR A)
Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) X Oxidized Rhizospheres on Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled S Stunted or Stressed Plants (D1) (Other (Explain in Remarks) Field Observations:	S X G S S S S S S S S S	aturation Visible on Aerial Imagery (C9) eomorphic Position (D2) hallow Aquitard (D3) AC-Neutral Test (D5) aised Ant Mounds (D6) (LRR A)
Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Water Marks (B1) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) X Oxidized Rhizospheres on Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled S Stunted or Stressed Plants (D1) (Other (Explain in Remarks) Field Observations: Surface Water Present? No X Depth (inches):	S X G S S S S S S S S S	aturation Visible on Aerial Imagery (C9) eomorphic Position (D2) hallow Aquitard (D3) AC-Neutral Test (D5) aised Ant Mounds (D6) (LRR A)
Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Field Observations: Water Table Present? Aquatic Invertebrates (B13) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) X Oxidized Rhizospheres on Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled S Stunted or Stressed Plants (D1) (Other (Explain in Remarks) Other (Explain in Remarks) No X Depth (inches): Water Table Present? Yes No X Depth (inches):	S. Roots (C3) X G S. S	aturation Visible on Aerial Imagery (C9) eomorphic Position (D2) hallow Aquitard (D3) AC-Neutral Test (D5) aised Ant Mounds (D6) (LRR A)
Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Water Table Present? Yes Saturation Present? Yes Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) X Oxidized Rhizospheres on Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled S Stunted or Stressed Plants (D1) (Other (Explain in Remarks) Other (Explain in Remarks) Depth (inches): Water Table Present? Yes No X Depth (inches): Other (Explain in Remarks)	S. Roots (C3) X G S. S	aturation Visible on Aerial Imagery (C9) eomorphic Position (D2) hallow Aquitard (D3) AC-Neutral Test (D5) aised Ant Mounds (D6) (LRR A) rost-Heave Hummocks (D7)
Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Water Table Present? Yes No X Depth (inches): Saturation Present? Yes X No Depth (inches): Other (Explain in Remarks) Depth (inches): Other (Explain in Remarks)	Roots (C3) X G S Soils (C6) F (LRR A) R F Wetland Hydro	aturation Visible on Aerial Imagery (C9) eomorphic Position (D2) hallow Aquitard (D3) AC-Neutral Test (D5) aised Ant Mounds (D6) (LRR A) rost-Heave Hummocks (D7)
Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Water Table Present? Yes No Secret Iron Reduction in Tilled S Stunted or Stressed Plants (D1) (Other (Explain in Remarks) Depth (inches): Saturation Present? Yes No X Depth (inches): Saturation Present? Yes X No Depth (inches): Other (Explain in Remarks) Depth (inches): Saturation Present? Yes X No Depth (inches): Other (Explain in Remarks) Depth (inches): Saturation Present? Yes X No Depth (inches): Other (Explain in Remarks) Depth (inches): Saturation Present? Yes X No Depth (inches): Other (Explain in Remarks) Roots (C3) X G S Soils (C6) F (LRR A) R F Wetland Hydro	aturation Visible on Aerial Imagery (C9) eomorphic Position (D2) hallow Aquitard (D3) AC-Neutral Test (D5) aised Ant Mounds (D6) (LRR A) rost-Heave Hummocks (D7)	
Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Water Table Present? Yes No X Depth (inches): Saturation Present? Yes X No Depth (inches): Other (Explain in Remarks)	Roots (C3) X G S Soils (C6) F (LRR A) R F Wetland Hydro	aturation Visible on Aerial Imagery (C9) eomorphic Position (D2) hallow Aquitard (D3) AC-Neutral Test (D5) aised Ant Mounds (D6) (LRR A) rost-Heave Hummocks (D7)

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Project/Site: Post Creek Hill - US 93		City/Cou	nty: Lake		Sampling Date:	9-17-2024		
Applicant/Owner: MDT		State: MT Sampling Point: WDP-1						
Investigator(s): B.Cline, F.Doty		Section, T	ownship, Ra	nge: S14 T19N R20W				
Landform (hillside, terrace, etc.): field		Local relief (co	oncave, conv	ex, none): concave	Sk	ope (%): 0-5		
Subregion (LRR/MLRA): LRR E, MLRA 44A	Lat:	47.41323	31 L	ong: -114.097145	Datum:	NAD83		
Soil Map Unit Name: Irvine silty clay loam, 8 to 15 per	rcent slopes			NWI classi	fication: none			
Are climatic / hydrologic conditions on the site typical	for this time o	f year?	Yes X	No (If no, ex	plain in Remarks.)			
Are Vegetation, Soil, or Hydrology	significantly	disturbed? A	Are "Normal C	:ircumstances" present?	Yes X	No		
Are Vegetation , Soil , or Hydrology	='				·			
SUMMARY OF FINDINGS – Attach site m	_					atures, etc.		
Hydric Soil Present? Yes X	No No		e Sampled A n a Wetland		No			
Remarks: VEGETATION – Use scientific names of	plants.							
	Absolute	Dominant	Indicator					
Tree Stratum (Plot size: 30')	% Cover	Species?	Status	Dominance Test wo	rksheet:			
1. 2.				Number of Dominant	•	5 (A)		
3.				Are OBL, FACW, or F		5 (A)		
4.				Total Number of Dom Across All Strata:	mant Species	5 (B)		
	·	=Total Cover		Percent of Dominant	Species That			
Sapling/Shrub Stratum (Plot size: 30'	_)			Are OBL, FACW, or F	AC: <u>1</u>	00.0% (A/B		
1. 2.				Prevalence Index wo				
3.				Total % Cover or		ly by:		
4.				OBL species 5	55 x 1 =	55		
5				FACW species1	5 x 2 =	30		
		=Total Cover			30 x 3 =	90		
Herb Stratum (Plot size: 30') 1. Typha latifolia	25	Voo	OBL		0 x 4 = 0 x 5 =	0		
Typha latifolia Dipsacus fullonum	20	Yes Yes	FAC		0 x 5 = 00 (A)	175 (B)		
Mentha arvensis	15	Yes	FACW	Prevalence Index	` ′	``		
4.	<u> </u>							
5. Rumex crispus	10	No	FAC	Hydrophytic Vegetat	ion Indicators:			
6. Eleocharis palustris	15	Yes	OBL	 '	Hydrophytic Vege	etation		
7. Carex nebrascensis	15	Yes	OBL	X 2 - Dominance Te				
8.				X 3 - Prevalence In				
9. 10.					Adaptations ¹ (Prov			
11.				5 - Wetland Non-		,		
	100	=Total Cover			ophytic Vegetation	n¹ (Explain)		
Woody Vine Stratum (Plot size: 30'	_)			¹ Indicators of hydric s be present, unless dis	oil and wetland hy	drology must		
1. 2.			——	·	turbed or problem	aut.		
% Bare Ground in Herb Stratum		=Total Cover		Hydrophytic Vegetation Present? Yes	X No			
				. 1636111: 163		_		
Remarks:								

SOIL Sampling Point: WDP-11B-24

Profile Desc	ription: (Describ	e to the depth	needed to doci	ıment tl	he indica	tor or o	confirm the	absence o	f indicators.)	
Depth	Matrix		Redo	x Featur	es	_					
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Tex	ture		Remarks	
0-5	10YR 2/2	100					Loamy	/Clayey		Roots present	
5-16	10YR 2/2	95	10YR 3/6	5	_ C	M	Loamy	/Clayey	Prominer	nt redox conce	ntrations
							-				
	-						-				
l 	-										
¹ Type: C=Co	oncentration, D=De	pletion, RM=R	educed Matrix, C	S=Cove	ered or Co	ated S	and Grains.	. ² Loca	tion: PL=Poi	re Lining, M=M	latrix.
Hydric Soil I	ndicators: (Appli	cable to all LR	Rs, unless othe	rwise n	oted.)			Indicators	s for Proble	matic Hydric S	3oils³:
Histosol	(A1)		Sandy Gle	yed Mat	rix (S4)			2 cm	Muck (A10) (LRR A, E)	
Histic Ep	oipedon (A2)		Sandy Red	dox (S5)					-	lasses (F12) (I	LRR D)
Black His	stic (A3)		Stripped M	latrix (S6	6)				Parent Materi	` '	
ı — '	n Sulfide (A4)		Loamy Mu	-		except	MLRA 1)			Surface (F22))
	ck (A9) (LRR D, G	•	Loamy Gle	•	, ,			Other	(Explain in F	Remarks)	
l 	l Below Dark Surfa	ce (A11)	Depleted N	`	,			2			
	rk Surface (A12)		X Redox Dai		, ,					tic vegetation	
· ·	lucky Mineral (S1)	(00) (1 == 0)	Depleted [, ,					must be prese	∍nt,
	lucky Peat or Peat		Redox De	oression	s (F8)			unles	s disturbed o	r problematic.	
	_ayer (if observed):									
Type:			_						_		
Depth (in	nches):		_				Hydric S	oil Present	?	Yes X	No
Remarks:											
HYDROLO	CV										
_	drology Indicators									_	
_	cators (minimum of	one is require			(50)	,				2 or more requ	-
	Water (A1)		Water-Sta			(excep	t			aves (B9) (MLF	₹A 1, 2
ı —	ter Table (A2)				, and 4B)				a, and 4B)	(D40)	
Saturatio	` '		Salt Crust	, ,	too (D12)				age Patterns		
	arks (B1)		Aquatic In						eason Water	on Aerial Imag	rom. (CO)
	t Deposits (B2) osits (B3)		Oxidized F				oots (C3)		norphic Positi	-	lery (Ca)
	t or Crust (B4)		Presence			_	.0013 (03)		ow Aquitard (
	osits (B5)		Recent Iro				ls (C6)		Neutral Test		
	Soil Cracks (B6)		Stunted or				` '			ls (D6) (LRR A	N)
	on Visible on Aeria	Imagery (B7)	Other (Exp			(5.)(=	,		Heave Humr	. , .	7
	Vegetated Conca				,					(-1)	
Field Observ		,	,				1				
Surface Water		⁄es	No x	Depth (i	inches):						
Water Table			No x		inches):		•				
Saturation Pr	resent?	/es	No x	Depth (i	_		Wetlan	d Hydrolog	y Present?	Yes X	No
(includes cap					′ –		' 	, ,	•		
Describe Red	corded Data (strea	m gauge, mon	itoring well, aeria	l photos	, previous	inspec	ctions), if av	ailable:			
Remarks:				_	_	_					

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Project/Site: Post Creek Hill - US 93		City/County: Lake Sampling Date:						
Applicant/Owner: MDT				State: MT	Sampling Point:	WDP-11C-24(1)		
Investigator(s): B.Cline, F.Doty		Section, T	ownship, Ra	inge: S11 T19N R20W				
Landform (hillside, terrace, etc.): field		Local relief (co	oncave, con	vex, none): concave	Slop	pe (%): 0-5		
Subregion (LRR/MLRA): LRR E, MLRA 44A	Lat:	47.41395	56	Long: -114.097245	Datum:	NAD83		
Soil Map Unit Name: Post silty clay loam, 2 to 4 percer	nt slopes			NWI classif	fication: PEM1C			
Are climatic / hydrologic conditions on the site typical for	or this time o	f year?	Yes X	No (If no, exp	lain in Remarks.)			
Are Vegetation, Soil, or Hydrologys	significantly	disturbed? A	Are "Normal (Circumstances" present?	Yes X No	o		
Are Vegetation , Soil , or Hydrology r	naturally pro	blematic? (If needed, ex	plain any answers in Rer	marks.)			
SUMMARY OF FINDINGS – Attach site ma	ap showir	ng samplin	g point lo	cations, transects,	important feat	tures, etc.		
Hydrophytic Vegetation Present? Yes X No	<u> </u>	Is the	Sampled A	rea				
			n a Wetland		No			
	<u> </u>							
Remarks:		•						
VEGETATION – Use scientific names of p		-						
Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test wor	ksheet:			
1.	·			Number of Dominant S				
2.				Are OBL, FACW, or F	•	5 (A)		
3				Total Number of Domi	nant Species			
4				Across All Strata:		5 (B)		
Sapling/Shrub Stratum (Plot size: 30')	· ——	=Total Cover		Percent of Dominant S Are OBL, FACW, or F.	•	0.0% (A/B)		
1)			Ale OBL, FACW, OF F	4C. <u>10</u>	0.070 (A/D)		
2.				Prevalence Index wo	rksheet:			
3.				Total % Cover of	: Multiply	v by:		
4				OBL species 5		55		
5		T-4-1 0		FACW species 1		30		
Herb Stratum (Plot size: 30')		=Total Cover		FAC species 30 FACU species 0		90		
1. Typha latifolia	25	Yes	OBL	UPL species 0		0		
2. Dipsacus fullonum	20	Yes	FAC	Column Totals: 10	00 (A)	175 (B)		
3. Mentha arvensis	15	Yes	FACW	Prevalence Index :	= B/A = 1.75	5		
4.								
5. Rumex crispus	10	No No	FAC	Hydrophytic Vegetati		-4:		
Eleocharis palustris Carex nebrascensis	15 15	Yes Yes	OBL OBL	X 2 - Dominance Te	Hydrophytic Vegeta	auon		
		163	OBL	X 3 - Prevalence Inc				
9.					Adaptations ¹ (Provid	de supporting		
10.				· -	s or on a separate			
11				5 - Wetland Non-\	/ascular Plants ¹			
	100	=Total Cover		Problematic Hydro	ophytic Vegetation ¹	(Explain)		
Woody Vine Stratum (Plot size: 30')			¹ Indicators of hydric so				
1.				be present, unless dis	urbed or problema	tic.		
2		=Total Cover		Hydrophytic				
% Bare Ground in Herb Stratum		i otal Govel		Vegetation Present? Yes	X No			
Remarks:				<u> </u>				
romano.								

SOIL Sampling Point: wdp-11c-24(1)

Profile Desc Depth	cription: (Describe	o the depti		ıment tl x Featur		tor or o	confirm the	absence o	of indicators	5.)	
(inches)	Color (moist)	%	Color (moist)	% «	Type ¹	Loc ²	Tex	ture		Remarks	
0-5	10YR 2/2	100	Color (moist)		1,700			/Clayey	-	Roots present	
			40VD 2/C						Duamina	'	
5-16	10YR 2/2	95	10YR 3/6	5	<u>C</u>	M	Loamy	/Clayey	Promine	nt redox concenti	ations
	-										
¹ Type: C=C	oncentration, D=Dep	etion, RM=F	Reduced Matrix, C	S=Cove	ered or Co	oated S	and Grains.	² Loca	ation: PL=Pc	ore Lining, M=Mat	rix.
Hydric Soil	Indicators: (Applica	ble to all Li	RRs, unless othe	rwise n	oted.)			Indicator	s for Proble	matic Hydric So	ils³:
Histosol	(A1)		Sandy Gle	yed Mat	trix (S4)				Muck (A10)		
Histic Ep	oipedon (A2)		Sandy Red						•	Masses (F12) (LF	lR D)
	istic (A3)		Stripped M	,	,				Parent Mater		
	en Sulfide (A4)		Loamy Mu			(except	MLRA 1)			k Surface (F22)	
	uck (A9) (LRR D, G)	(8.4.4)	Loamy Gle	-				Othe	r (Explain in l	Remarks)	
	d Below Dark Surface	: (A11)	Depleted N					31			
	ark Surface (A12) Nucky Mineral (S1)		X Redox Dar Depleted D							ytic vegetation ar	
	Mucky Milleral (31) Mucky Peat or Peat (32) (I PP G			, ,					or problematic.	-,
	Layer (if observed):) (LIKIT O)	Redox Bep	70331011	13 (1 0)			unios	3 distarbed t	or problematic.	
Type:	Layer (II observed):										
Depth (ii	nches):		_				Hydric S	oil Present	17	Yes X	No
Remarks:							,		•	<u> </u>	
rtemants.											
HYDROLO	GY										
Wetland Hy	drology Indicators:										
Primary Indi	cators (minimum of o	ne is require	ed; check all that a	apply)				Seconda	ry Indicators	(2 or more require	<u>ed)</u>
	Water (A1)		Water-Stai		٠, ,		t			aves (B9) (MLRA	۱1, 2
	ater Table (A2)				, and 4B)				A , and 4B)		
Saturation			Salt Crust	, ,	(5.40)				age Patterns		
	larks (B1)		Aquatic Inv		, ,				Season Wate	` '	(00)
	nt Deposits (B2) posits (B3)		Hydrogen S Oxidized R		` '		ooto (C2)		ration visible norphic Posit	on Aerial Imager	y (C9)
	at or Crust (B4)		Presence of			-	0015 (03)		ow Aquitard		
	posits (B5)		Recent Iro				ls (C6)		Neutral Test		
	Soil Cracks (B6)		Stunted or				` '			ds (D6) (LRR A)	
	on Visible on Aerial I	magery (B7)				(= .) (=	,		-Heave Hum	. , . ,	
	Vegetated Concave				,					,	
Field Obser	vations:										
Surface Wat		s	No x	Depth (inches):						
Water Table	Present? Ye	s			inches):						
Saturation P	resent? Ye	s	No x	Depth (inches):		Wetlan	d Hydrolog	gy Present?	Yes X	No
(includes ca	pillary fringe)										
Describe Re	corded Data (stream	gauge, mor	nitoring well, aerial	photos	, previous	sinspec	tions), if av	ailable:			
Remarks:											
1											

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Project/Site: Post Creek Hill - US 93		City/County: Lake Sampling Date:							
Applicant/Owner: MDT		State: MT Sampling Point: WDP-11							
Investigator(s): B.Cline, F.Doty		Section, T	ownship, Ra	nge: S11 T19 R20W					
Landform (hillside, terrace, etc.): field		Local relief (co	oncave, conv	ex, none): concave	Slo	ope (%): 0-5			
Subregion (LRR/MLRA): LRR E, MLRA 44A	Lat:	47.41747	<u>77</u>	ong: -114.097292	Datum:	NAD83			
Soil Map Unit Name: Post silty clay loam, 2 to 4 perc	ent slopes		_	NWI classi	fication: None				
Are climatic / hydrologic conditions on the site typical	for this time o	f year?	Yes X	No (If no, exp	olain in Remarks.)				
Are Vegetation, Soil, or Hydrology	significantly	disturbed? A	re "Normal C	circumstances" present?	Yes X N	۷o			
Are Vegetation , Soil , or Hydrology	_								
SUMMARY OF FINDINGS – Attach site m	- nap showin	ng samplin	g point lo	cations, transects,	, important fea	atures, etc.			
Hydric Soil Present? Yes X	No No No		e Sampled A		No				
Remarks: VEGETATION – Use scientific names of	plants.								
	Absolute	Dominant	Indicator		_				
Tree Stratum (Plot size: 30')	% Cover	Species?	Status	Dominance Test wor	ksheet:				
1 2.				Number of Dominant Are OBL, FACW, or F	•	2 (A)			
3.				Total Number of Dom		(A)			
4.				Across All Strata:	mant Species	2 (B)			
		=Total Cover		Percent of Dominant	Species That				
Sapling/Shrub Stratum (Plot size: 30'	_)			Are OBL, FACW, or F	AC: 1	00.0% (A/B)			
1. 2.				Prevalence Index wo	arkshoot:				
3.	_			Total % Cover of		lv bv:			
4.				OBL species	x 1 =	0			
5.				FACW species 3	0 x 2 =	60			
		=Total Cover		FAC species 6	5 x 3 =	195			
Herb Stratum (Plot size: 30')					0 x 4 =	0			
1. Poa pratensis	40	Yes	FAC		x 5 =	0 255 (B)			
Rumex crispus Juncus balticus	10 30	No Yes	FACW	Column Totals: 9 Prevalence Index	5 (A) = B/A = 2.6	255 (B)			
4.		165	TACW	Frevalence index	- B/A - 2.0	<u> </u>			
5. Trifolium repens	15	No	FAC	Hydrophytic Vegetat	ion Indicators:				
6.				1 - Rapid Test for	Hydrophytic Vege	tation			
7				X 2 - Dominance Te					
8				X 3 - Prevalence Inc					
9.	_				Adaptations ¹ (Prov s or on a separate				
10 11.	_			5 - Wetland Non-		, silect)			
	95	=Total Cover			vasculal Flatits ophytic Vegetation	n ¹ (Explain)			
Woody Vine Stratum (Plot size: 30')	10101 00101		¹ Indicators of hydric s		,			
1.	- ·			be present, unless dis					
2.				Hydrophytic					
% Bare Ground in Herb Stratum		=Total Cover		Vegetation	X No				
Remarks:									

SOIL Sampling Point: WDP-11C-24(2)

Profile Desc	cription: (Descri	oe to the depth	needed to doc	ument tl	ne indica	tor or o	confirm the	absence o	f indicators	.)	
Depth	Matrix	<u> </u>	Redo	x Featur	es						
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Tex	ture		Remarks	
0-8	10YR 3/2	100	_				Loamy	/Clayey		Roots present	
8-16	7.5YR 5/2	98	7.5YR 5/6	2	С	М	Loamy	/Clayey	Prominer	nt redox conce	entrations
								, , - ,			
¹Type: C=Co	oncentration, D=D	enletion RM=R	educed Matrix (S=Cove	ered or Co	nated S	and Grains	² l oca	tion: PI =Po	re Lining, M=N	//atrix
	Indicators: (Appl					outou o	and Oramo.			matic Hydric	
Histosol			Sandy Gle						Muck (A10) (-	000
	oipedon (A2)		Sandy Red	-						/asses (F12) (I RR D)
Black Hi			Stripped M						arent Materi		
	n Sulfide (A4)		Loamy Mu	,	,	except	MLRA 1)			Surface (F22	')
I — '	ıck (A9) (LRR D, (3)	Loamy Gle	-		Схоор	,		(Explain in F	•	•/
	d Below Dark Surf	,	Depleted I	•	` '				(,	
	ark Surface (A12)	,	Redox Da		•			³ Indicators	of hydrophy	tic vegetation	and
	Mucky Mineral (S1))	Depleted [must be pres	
	Mucky Peat or Pea		Redox De		` '					r problematic.	
	Layer (if observe			'	,					<u>'</u>	
Type:	Luyer (II observe	u).									
Depth (ir	nches).		_				Hydric S	oil Present	?	Yes X	No
Remarks:			_				,		-		
ixemaiks.											
HYDROLO)GY										
_	drology Indicator		de ale a de all Ale ak					0		·O	!IV
	cators (minimum o	or one is required				/ov.com				2 or more req	
	Water (A1)		Water-Sta			(excep	τ			aves (B9) (ML	RA 1, 2
Saturation	ater Table (A2)		Salt Crust		and 4B)				, and 4B) age Patterns	(B10)	
	larks (B1)		Aquatic In	` '	tos (R13)				eason Wate		
	nt Deposits (B2)		Hydrogen							on Aerial Ima	nery (CQ)
	posits (B3)		Oxidized F		` ,		oots (C3)		orphic Posit		gory (OO)
	at or Crust (B4)		Presence			-	(00)		w Aquitard (
	oosits (B5)		Recent Iro				ls (C6)		Neutral Test	•	
	Soil Cracks (B6)		Stunted or				` '			ls (D6) (LRR /	A)
	on Visible on Aeria	al Imagery (B7)	Other (Exp			() (-	,		Heave Humi		7
	/ Vegetated Conc				,					()	
Field Obser	vations:	•	,								
Surface Wat		Yes	No x	Depth (i	inches):						
Water Table		Yes	No x		inches):						
Saturation P		Yes	No x	Depth (i	_		Wetlan	d Hydroloa	y Present?	Yes X	No
(includes car					′ =			, ,	•		
	corded Data (strea	am gauge, moni	toring well, aeria	l photos	, previous	inspec	tions), if av	ailable:			
	· 	<u> </u>					<u> </u>				
Remarks:		-					_				<u> </u>
Ī											

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Project/Site: Post Creek Hill - US 93		City/Cour	nty: Lake		Sampling Date:	9-17-2024
Applicant/Owner: MDT				State: MT	Sampling Point:	WDP-11C-24(3)
Investigator(s): B.Cline, F.Doty		Section, T	ownship, Ra	nge: S11 T19 R20W		
Landform (hillside, terrace, etc.): roadside ditch		 Local relief (co	ncave, conv	ex, none): concave	Slo	pe (%): 0-5
Subregion (LRR/MLRA): LRR E, MLRA 44A	Lat:	47.41967	5 l	_ong: -114.097031		NAD83
Soil Map Unit Name: Post silty clay loam, 2 to 4 percen	t slopes				fication: None	
Are climatic / hydrologic conditions on the site typical fo	r this time o	f year?	Yes X	No (If no, exp	olain in Remarks.)	
Are Vegetation, Soil, or Hydrologys		-	re "Normal 0	 ' ' '	•	0
Are Vegetation, Soil, or Hydrologyn						
SUMMARY OF FINDINGS – Attach site ma						tures, etc.
Hydrophytic Vegetation Present? Yes X No	·	Is the	Sampled A	rea		
· —		within	n a Wetland	? Yes X	No	
Wetland Hydrology Present? Yes X No						
VEGETATION – Use scientific names of pl	lants.					
<u>Tree Stratum</u> (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test wor	·kshoot·	
1	70 OOVCI	Орсскоз:	Otatus	Number of Dominant S		
2.				Are OBL, FACW, or F	•	2 (A)
3.				Total Number of Domi Across All Strata:	nant Species	2 (B)
		=Total Cover		Percent of Dominant S	Species That	(=)
Sapling/Shrub Stratum (Plot size: 30') 1.				Are OBL, FACW, or F	•	00.0% (A/B)
2.				Prevalence Index wo	rksheet:	
3.				Total % Cover of	: Multiply	y by:
4.				· —		50
5		T-4-1 0				20
Herb Stratum (Plot size: 30')		=Total Cover		FAC species 2 FACU species 0		0
1. Epilobium ciliatum	10	No	FACW	UPL species (0
Typha latifolia	35	Yes	OBL			130 (B)
3. Poa pratensis	20	Yes	FAC	Prevalence Index	= B/A = 1.63	``
4. Carex nebrascensis	15	No	OBL			
5				Hydrophytic Vegetat		
6				· ·	Hydrophytic Veget	ation
7				X 2 - Dominance Te		
8				X 3 - Prevalence Inc		
9					Adaptations ¹ (Provid s or on a separate	
10 11.				5 - Wetland Non-\	· · · · · · · · · · · · · · · · · · ·	oncot)
	80	=Total Cover			ophytic Vegetation ¹	(Explain)
Woody Vine Stratum (Plot size: 30')				¹ Indicators of hydric so		` ' '
1.				be present, unless dis		
2.		=Total Cover		Hydrophytic Vegetation		
% Bare Ground in Herb Stratum				Present? Yes	X No	
Remarks:						

SOIL Sampling Point: WDP-11C-24(3)

Profile Desc	ription: (Describe	to the depth	needed to doci	ument th	ne indica	tor or o	confirm the	absence of	f indicators.)		
Depth	Matrix		Redo	x Featur	es						
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Tex	ture		Remarks	
0-2	10YR 3/3	100					Mucky Lo	oam/Clay	ro	ots present	
2-7	10YR 3/2	100			·		Loamy	/Clayey	Ro	oots present	
7-16	7.5YR 5/2	70	7.5YR 5/2	30	С	М	Loamy	/Clayey	Faint red	lox concentra	tions
l ———	•										
¹ Type: C=Co	oncentration, D=De	pletion, RM=R	educed Matrix, C	S=Cove	ered or Co	ated S	and Grains.	² Locat	ion: PL=Pore	Lining, M=Ma	atrix.
Hydric Soil I	Indicators: (Applic	able to all LR	Rs, unless other	erwise n	oted.)			Indicators	for Problema	atic Hydric S	oils³:
Histosol	(A1)		Sandy Gle	yed Mat	rix (S4)			2 cm I	Muck (A10) (Li	RR A, E)	
Histic Ep	oipedon (A2)		Sandy Red	dox (S5)				Iron-M	langanese Ma	sses (F12) (L	RR D)
Black His			Stripped M	,	,				arent Material	` '	
ı —	n Sulfide (A4)		Loamy Mu			except	MLRA 1)		Shallow Dark S	, ,	
	ck (A9) (LRR D, G		Loamy Gle	•	, ,			Other	(Explain in Re	marks)	
l 	l Below Dark Surfa	ce (A11)	Depleted N		•			2			
	ark Surface (A12)		Redox Dai						of hydrophytic	-	
	lucky Mineral (S1)	(00) (1 0)	Depleted [, ,				nd hydrology m		nt,
	lucky Peat or Peat		Redox Dep			unless	disturbed or p	problematic.			
	_ayer (if observed):									
Type:			_								
· ` `	Depth (inches): Hydric Soil Present? Yes X No										
Remarks:											
HYDROLO											
_	drology Indicators										
I -	cators (minimum of	one is required			(DO)	/			/ Indicators (2		
	Water (A1)		Water-Sta			(excep	τ		-Stained Leave	es (B9) (NILK	A 1, 2
	ter Table (A2)		Salt Crust		and 4B)				, and 4B)	210)	
Saturation	arks (B1)		Aquatic In	, ,	tes (R13)				age Patterns (E eason Water T	-	
	nt Deposits (B2)		Hydrogen						ation Visible on		ery (CQ)
	oosits (B3)		Oxidized F		,		oots (C3)		orphic Position	J	.iy (OO)
	it or Crust (B4)		Presence			_	(,		w Aquitard (D3		
	osits (B5)		Recent Iro				ls (C6)		Neutral Test (D	,	
	Soil Cracks (B6)		Stunted or				` '		d Ant Mounds	-	ł
	on Visible on Aerial	Imagery (B7)	Other (Exp			, , ,	,		Heave Hummo	. , . ,	
	Vegetated Concav				,					, ,	
Field Observ	vations:						1				
Surface Wate	er Present?	'es	No x	Depth (i	nches):						
Water Table	Present?	es	No x	Depth (i	nches):		'				
Saturation Pr	Saturation Present? Yes No x Depth (inches): Wetland Hydrology Present? Yes X No										
(includes cap	includes capillary fringe)										
Describe Red	Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:										
Remarks:											

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Project/Site: Post Creek Hill - US 93		City/Cour	nty: Lake	•	Sampling Date:	9-16-24			
Applicant/Owner: MDT		State: MT Sampling Point: WDP-12A-							
Investigator(s): B.Cline, F.Doty		Section, T	ownship, Rar	nge: S12 T19N R20W					
Landform (hillside, terrace, etc.): field		Local relief (co	oncave, conv	ex, none): Concave	Slo	pe (%): <u>0-5</u>			
Subregion (LRR/MLRA): LRR E, MLRA 44A	Lat:	47.41504	3 L	.ong: <u>-114.096626</u>	Datum:	NAD83			
Soil Map Unit Name: Post silty clay loam, 4 to 8 percen	t slopes			NWI classi	fication: none				
Are climatic / hydrologic conditions on the site typical fo	or this time o	f year?	Yes X	No (If no, exp	olain in Remarks.)				
Are Vegetation, Soil, or Hydrologys	significantly o	disturbed? A	re "Normal C	ircumstances" present?	Yes X N	o			
Are Vegetation, Soil, or Hydrologyr	naturally prob	olematic? (I	lf needed, exp	olain any answers in Rer	narks.)				
SUMMARY OF FINDINGS - Attach site ma	p showin	g sampling	g point loc	ations, transects,	important feat	ures, etc.			
Hydrophytic Vegetation Present? Yes X No)	Is the	Sampled A	rea					
	<u> </u>		n a Wetland?		No				
Remarks:									
VECTATION Has a significant and a significant an	14-								
VEGETATION – Use scientific names of pl	Absolute	Dominant	Indicator						
Tree Stratum (Plot size: 30')	% Cover	Species?	Status	Dominance Test wor	ksheet:				
1		-		Number of Dominant	•				
2.				Are OBL, FACW, or F		1 (A)			
3				Total Number of Dom Across All Strata:	inant Species	1 (B)			
4		=Total Cover		Percent of Dominant	Species That	<u> </u>			
Sapling/Shrub Stratum (Plot size: 30')				Are OBL, FACW, or F		0.0% (A/B)			
1									
2.				Prevalence Index wo					
3.				Total % Cover of OBL species 6	$\frac{\text{Multiply}}{0} \times 1 =$	y by: 60			
5.					x 1 =	0			
	-	=Total Cover				30			
Herb Stratum (Plot size: 30')				FACU species 1	5 x 4 =	60			
1. Typha latifolia	60	Yes	OBL		x 5 =	0			
2. Hypericum perforatum	15	No	FACU			150 (B)			
3. Solanum dulcamara 4.	10	No	<u>FAC</u>	Prevalence Index	= B/A = 1.76	<u> </u>			
5.				Hydrophytic Vegetat	ion Indicators:				
6.					Hydrophytic Veget	ation			
7.				X 2 - Dominance Te					
8.				X 3 - Prevalence Inc					
9.					Adaptations¹(Provious or on a separate				
10 11.				5 - Wetland Non-					
	85	=Total Cover			ophytic Vegetation ¹	(Explain)			
Woody Vine Stratum (Plot size: 30')				¹ Indicators of hydric s					
1.				be present, unless dis	turbed or problema	itic.			
2		-Total Cavar		Hydrophytic					
% Bare Ground in Herb Stratum		=Total Cover		Vegetation Present? Yes	X No				
Remarks:									
i veindins.									

SOIL Sampling Point: WDP-12A-24(1)

	cription: (Describe	to the dept				itor or o	confirm the	absence of inc	dicators.)	
Depth	Matrix			ox Featu		. 2	_			
(inches)	Color (moist)		Color (moist)	<u>%</u>	Type ¹	Loc ²		ture	Remarks	
0-5	10YR 2/2	100					•	/Clayey	roots preser	<u>it</u>
5-12	10YR 2/2	100						/Clayey		
12-18	10YR 4/1	100					Loamy/	/Clayey		
					<u> </u>					
¹ Type: C=C	oncentration, D=De	oletion, RM=I	Reduced Matrix, (CS=Cove	ered or Co	oated S	and Grains.	² Location:	PL=Pore Lining, M=	-Matrix.
Hydric Soil	Indicators: (Applic	able to all L	RRs, unless oth	erwise r	oted.)				Problematic Hydri	
Histosol	(A1)		Sandy Gle	eyed Mat	trix (S4)			2 cm Muc	k (A10) (LRR A, E)	
Histic Ep	oipedon (A2)		Sandy Re	dox (S5)	1			Iron-Mang	anese Masses (F12)	(LRR D)
Black Hi	stic (A3)		Stripped N	Matrix (S	6)			Red Parer	nt Material (F21)	
Hydroge	en Sulfide (A4)		Loamy Μι	ucky Min	eral (F1)	(except	MLRA 1)	Very Shall	low Dark Surface (F2	22)
1 cm Mu	ıck (A9) (LRR D, G)		Loamy Gl	eyed Ma	trix (F2)			Other (Exp	plain in Remarks)	
	d Below Dark Surfac	e (A11)	Depleted	-	-			•		
	ark Surface (A12)		Redox Da		` '				hydrophytic vegetatio	
	Mucky Mineral (S1)		Depleted		, ,			-	ydrology must be pre	
	Mucky Peat or Peat		Redox De	pression	ıs (F8)			unless dis	turbed or problemati	C.
	Layer (if observed)	:								
Type:			_							
Depth (ii Remarks:	nches):		_				Hydric So	oil Present?	Yes <u>X</u>	No
HYDROLO	OGY									
Wetland Hy	drology Indicators	:								
Primary Indi	cators (minimum of	one is require	ed; check all that	apply)					<u>licators (2 or more re</u>	
	Water (A1)		Water-Sta		` '	•	t		ined Leaves (B9) (M	LRA 1, 2
	ater Table (A2)				, and 4B)			4A, an	,	
Saturation			Salt Crust	` '	(5.40)				Patterns (B10)	
	larks (B1)		Aquatic In						on Water Table (C2)	(00)
	nt Deposits (B2)		Hydrogen Oxidized I				ooto (C2)		Visible on Aerial Im	agery (C9)
	oosits (B3) at or Crust (B4)		Presence	•		•	00ts (C3)		nic Position (D2) quitard (D3)	
	posits (B5)		Recent Iro		,	,	s (C6)		ral Test (D5)	
	Soil Cracks (B6)		Stunted o						nt Mounds (D6) (LRR	A)
	on Visible on Aerial	Imagery (B7)				(= .) (=	,		ve Hummocks (D7)	/
	/ Vegetated Concav	0 , ,			,				()	
Field Obser	vations:	·								
Surface Wat	ter Present? Y	es	No X	Depth (inches):					
Water Table	Present? Y	es	No X		inches):					
Saturation P		es	No X	Depth (inches):		Wetlan	d Hydrology Pr	resent? Yes X	No
(includes ca	pillary fringe)									
Describe Re	corded Data (stream	n gauge, mor	nitoring well, aeria	al photos	, previous	s inspec	tions), if ava	ailable:		
Remarks:										

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Project/Site: Post Creek Hill - US 93	City/County: Lake Sampling Date: 9-16-202							
Applicant/Owner: MDT	State: MT Sampling Point: wdp-12A-2							
Investigator(s): B.Cline, F.Doty	Section, Township, Range: S12 T19N R20W							
Landform (hillside, terrace, etc.): field	Local relief (concave, convex, none): concave Slope (%): 0							
Subregion (LRR/MLRA): LRR E, MLRA 44A Lat:	47.417494 Long: <u>-114.095867</u> Datum: <u>NAD83</u>							
Soil Map Unit Name: Post silty clay loam, 2 to 4 percent slope	NWI classification: R3UBFx							
Are climatic / hydrologic conditions on the site typical for this t	e of year? Yes X No (If no, explain in Remarks.)							
Are Vegetation, Soil, or Hydrologysignific	ly disturbed? Are "Normal Circumstances" present? Yes X No							
Are Vegetation, Soil, or Hydrologynatural	oroblematic? (If needed, explain any answers in Remarks.)							
SUMMARY OF FINDINGS – Attach site map sh	ring sampling point locations, transects, important features, etc							
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area							
Hydric Soil Present? Yes X No	within a Wetland? Yes X No							
Wetland Hydrology Present? Yes X No								
Remarks:								
VEGETATION – Use scientific names of plants								
Absorption Absorption	e Dominant Indicator							
Tree Stratum (Plot size: 30') % C	er Species? Status Dominance Test worksheet:							
1	Number of Dominant Species That							
2. 3.	Are OBL, FACW, or FAC:1 (A							
4	Total Number of Dominant Species Across All Strata: 1 (B							
	=Total Cover Percent of Dominant Species That							
Sapling/Shrub Stratum (Plot size: 30')	Are OBL, FACW, or FAC: 100.0% (A							
1								
2	Prevalence Index worksheet:							
3	ODI energies GE V1 = GE							
5.	FACW species $0 \times 2 = 0$							
	=Total Cover FAC species 0 x 3 = 0							
Herb Stratum (Plot size: 30')	FACU species 0 x 4 = 0							
1. Carex nebrascensis 6	Yes OBL UPL species 0 x 5 = 0 Column Totals: 65 (A) 65 (B							
3.	Column Totals: 65 (A) 65 (B Prevalence Index = B/A = 1.00							
4.								
5.	Hydrophytic Vegetation Indicators:							
6.	1 - Rapid Test for Hydrophytic Vegetation							
7								
8 9.								
10.								
11.	5 - Wetland Non-Vascular Plants ¹							
6	=Total Cover Problematic Hydrophytic Vegetation ¹ (Explain)							
Woody Vine Stratum (Plot size: 30')	¹ Indicators of hydric soil and wetland hydrology mus							
1	be present, unless disturbed or problematic.							
	=Total Cover							
% Bare Ground in Herb Stratum	Present? Yes X No							
Remarks:								

SOIL Sampling Point: WDP-12A-24(2)

Profile Desc Depth	cription: (Describe to Matrix	to the dept		iment th x Feature		tor or o	confirm the ab	sence of	indicators.))	
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Textur	е		Remarks	
0-5	10YR 3/2	98	10YR 4/4	2	C	PL	Loamy/Cla		1	roots present	
5-12	10YR 3/2	90	10YR 4/4	10	С	PL	Loamy/Cla			redox concen	
12-18	7.5YR 5/2	90	7.5YR 4/4	10		PL	Loamy/Cla			redox concen	
12-10	7.511\ 3/2	90	7.511(4/4	10		<u> </u>	Loamy/Cia	аусу	DISTILICE	redux concen	ilialions
	oncentration, D=Depl					oated S				e Lining, M=N	
-	Indicators: (Applica	ble to all L					lı			natic Hydric	Soils ³ :
Histosol	` '		Sandy Gle		ix (S4)		_		luck (A10) (I		
	pipedon (A2)		Sandy Red				_	_	-	asses (F12) (LRR D)
Black His	` '		Stripped M	,	,	<i>(</i>			rent Materia	,	
	n Sulfide (A4)		Loamy Mu	•	, ,	(except	t MLRA 1)			Surface (F22	()
	ck (A9) (LRR D, G) I Below Dark Surface	. / ^ 11 \	Loamy Gle Depleted M				_	Other (Explain in R	emarks)	
	rk Surface (A12)	(A11)	X Redox Dar	`	,		31	ndicators	of hydronhyd	tic vegetation	and
	lucky Mineral (S1)		Depleted D				'			must be pres	
	lucky Peat or Peat (১	S2) (LRR G				•				problematic.	
	_ayer (if observed):	,,	<u>′ — </u>		(- /					•	
Type:	-ayo: (oboo! voa):										
Depth (ir	nches):						Hydric Soil	Present?		Yes X	No
Remarks:	,						,				
HYDROLO											
_	drology Indicators:										
	cators (minimum of o	ne is requir			(DO)	/				2 or more req	<u>-</u> _
	Water (A1)		Water-Stai		, ,		⁻	_		ves (B9) (ML	RA 1, 2
Saturatio	ter Table (A2)		Salt Crust	I, 2, 4A ,	aliu 4D)	,		•	and 4B) ge Patterns ((B10)	
	arks (B1)		Aquatic Inv		es (B13)		_		ason Water		
	it Deposits (B2)		Hydrogen S				-			on Aerial Imag	gery (C9)
	oosits (B3)		Oxidized R				Roots (C3)	_	rphic Position	`	5 5 ()
	t or Crust (B4)		Presence of			_	` ′ =	Shallov	ν Aquitard (Σ	03)	
Iron Dep	osits (B5)		Recent Iron	n Reduct	tion in Ti	lled Soi	ls (C6)	FAC-N	eutral Test (D5)	
x Surface	Soil Cracks (B6)		Stunted or	Stresse	d Plants	(D1) (L l	RR A)	Raised	Ant Mounds	s (D6) (LRR A	A)
	on Visible on Aerial Ir		· 	lain in R	emarks)		_	Frost-H	leave Humn	nocks (D7)	
Sparsely	Vegetated Concave	Surface (B	88)								
Field Obser	vations:										
Surface Wat	er Present? Ye	s	No <u>x</u>	Depth (ir	nches): _		.				
Water Table		s		Depth (ir	_		•				
Saturation P		s	No <u>x</u>	Depth (ir	nches): _		. Wetland F	lydrology	Present?	Yes X	No
(includes cap							-4:\ '.E! -	la La c			
Describe Re	corded Data (stream	gauge, mo	nitoring well, aerial	pnotos,	previous	s inspec	cuons), it availa	DIE:			
Remarks:											

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Project/Site: Post Creek Hill - US 93		City/Cour	nty: Lake	•	Sampling Date:	9-16-2024
Applicant/Owner: MDT				State: MT	Sampling Point:	WDP-12B-24(1)
Investigator(s): B.Cline, F.Doty		Section, T	ownship, Rai	nge: S12 T19N R20W		
Landform (hillside, terrace, etc.): field		Local relief (co	oncave, conv	ex, none): <u>concave</u>	Slo	pe (%): <u>0-5</u>
Subregion (LRR/MLRA): LRR E, MLRA 44A	Lat:	47.41778	39 L	ong: -114.096020	Datum:	NAD83
Soil Map Unit Name: Post silty clay loam, 2 to 4 percentage					fication: PEM1C	
Are climatic / hydrologic conditions on the site typical	for this time o	f year?	Yes X	No (If no, exp	olain in Remarks.)	
Are Vegetation, Soil, or Hydrology	significantly of		· · · · · · · · · · · · · · · · · · ·	ircumstances" present?		lo
Are Vegetation, Soil, or Hydrology				olain any answers in Rei		
SUMMARY OF FINDINGS – Attach site m	_		g point lo	cations, transects,	important fea	tures, etc.
Hydrophytic Vegetation Present? Yes X	No	Is the	Sampled A	rea		
	No		n a Wetland		No	
	No					
Remarks:						
VEGETATION – Use scientific names of	Absolute	Dominant	Indicator			
Tree Stratum (Plot size: 30')	% Cover	Species?	Status	Dominance Test wo	ksheet:	
1				Number of Dominant	Species That	
2.				Are OBL, FACW, or F	AC:	3 (A)
3				Total Number of Dom	inant Species	
4		=Total Cover		Across All Strata:		3 (B)
Sapling/Shrub Stratum (Plot size: 30'	, ——	- Fotal Cover		Percent of Dominant 3 Are OBL, FACW, or F	•	00.0% (A/B)
1.	_ ′			7110 OBE, 1710VV, 01 1	7.0. <u> </u>	(100)
2.				Prevalence Index wo	orksheet:	
3.				Total % Cover of	: Multipl	y by:
4					0 x 1 =	30
5		T-4-1-0			5 x 2 =	30
Herb Stratum (Plot size: 30')		=Total Cover		· -	0 x 3 =	90
1. Polygonum lapathifolium	15	Yes	FACW		x5=	0
Eleocharis palustris	30	Yes	OBL			150 (B)
3. Rumex crispus	5	No	FAC	Prevalence Index		00
4. Poa pratensis	25	Yes	FAC		•	
5				Hydrophytic Vegetat		
6					Hydrophytic Vege	tation
7. 8.				X 2 - Dominance Te		
	-				Adaptations¹(Prov	ide sunnortino
10					s or on a separate	
11.				5 - Wetland Non-	Vascular Plants ¹	
	75	=Total Cover		Problematic Hydr	ophytic Vegetation	¹ (Explain)
Woody Vine Stratum (Plot size: 30'	_)			¹ Indicators of hydric s		
1.				be present, unless dis	turbed or problema	atic.
2		=Total Cover		Hydrophytic		
% Bare Ground in Herb Stratum		- rotal Cover		Vegetation Present? Yes	X No	
Remarks:						_

SOIL Sampling Point: WDP-12B-24(1)

Profile Desci Depth	ription: (Describe to Matrix	to the depth		ument t		tor or o	confirm the	absence of	indicators.)	
-	Color (moist)	<u></u> %	Color (moist)	% r eatur	Type ¹	Loc ²	Tex	turo		Remarks	
(inches) 0-5	10YR 2/2	100	Color (moist)	70	Type	LUC	Loamy/			roots present	
			40VD 2/4								
5-16	10YR 2/2	95	10YR 3/4	5	<u> </u>	PL	Loamy/	Clayey	Distinct	redox concent	rations
							-				
							-				
	ncentration, D=Depl					oated S	and Grains.	² Locat	ion: PL=Por	e Lining, M=M	atrix.
Hydric Soil II	ndicators: (Applica	ble to all LF	RRs, unless other	erwise n	oted.)			Indicators	for Probler	matic Hydric S	Soils ³ :
Histosol (•		Sandy Gle	-					Muck (A10) (
	pedon (A2)		Sandy Re						-	lasses (F12) (I	_RR D)
Black His	` '		Stripped N	,	,				arent Materia	` '	
	Sulfide (A4)		Loamy Mu			except	MLRA 1)			Surface (F22)	
	ck (A9) (LRR D, G)	(4.4.4)	Loamy Gle					Other	(Explain in R	Remarks)	
	Below Dark Surface rk Surface (A12)	(A11)	Depleted I X Redox Da	,	,			3Indicators	of hydrophy	tic vegetation	and
	ucky Mineral (S1)		Depleted I							must be prese	
<u> </u>	ucky Peat or Peat (\$	S2) (I RR G)	Redox De							r problematic.	iii,
	ayer (if observed):	32) (2 1111 3)		proceion	(1 0)			uniocc.	- diotal bod of	r problematic.	
Type:	ayer (ii observea).										
Depth (in	ches):		_				Hydric So	oil Present?	•	Yes X	No
Remarks:	,		_								
HYDROLO											
_	rology Indicators:										
-	ators (minimum of o	ne is require							•	2 or more requ	
	Vater (A1)		Water-Sta		` '		t			ives (B9) (MLF	RA 1, 2
`	er Table (A2)				, and 4B)				and 4B)	(D40)	
Saturation	` '		Salt Crust	` '	ton (D12)				ige Patterns	` '	
Water Ma	t Deposits (B2)		Aquatic In Hydrogen						eason Water	on Aerial Imag	ery (CQ)
Drift Depo			Oxidized F		` '		note (C3)		orphic Positi	_	ery (Ca)
I — ·	or Crust (B4)		Presence	•		•	.0013 (00)		w Aquitard (I		
Iron Depo			Recent Iro		,	,	ls (C6)		leutral Test (•	
	Soil Cracks (B6)		Stunted or							s (D6) (LRR A	.)
	n Visible on Aerial Ir	magery (B7)	Other (Exp			. , .	•		Heave Humn		,
Sparsely	Vegetated Concave	Surface (B8	<u> </u>								
Field Observ	ations:										
Surface Wate	er Present? Ye	s	No x	Depth (inches): _		.				
Water Table I	Present? Ye	s	No x	Depth (inches):		.]				
Saturation Pro	esent? Ye	s	No x	Depth (inches):		Wetlan	d Hydrolog	y Present?	Yes X	No
(includes cap											
Describe Rec	orded Data (stream	gauge, mon	itoring well, aeria	ıl photos	, previous	inspec	ctions), if ava	ailable:			
Remarks:											

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Project/Site: Post Creek Hill - US 93		City/Cou	nty: Lake			Sampling Date:	9-16-2024
Applicant/Owner: MDT				State:	MT	Sampling Point:	WDP-12B-24(2)
Investigator(s): B.Cline, F.Doty		Section, T	ownship, Rar	ige: S12 T1	19N R20W		•
Landform (hillside, terrace, etc.): field		 Local relief (co	oncave, conve	ex, none):	concave	Slo	pe (%): 0-5
Subregion (LRR/MLRA): LRR E, MLRA 44A			32 L	_			NAD93
Soil Map Unit Name: Post silty clay loam, 2 to 4 percent						cation: PEM1C	
Are climatic / hydrologic conditions on the site typical for	this time o	f vear?	Yes X	No	(If no. expl	ain in Remarks.)	
Are Vegetation , Soil , or Hydrology si							١o
Are Vegetation , Soil , or Hydrology na			If needed, exp				
SUMMARY OF FINDINGS – Attach site ma				-			tures, etc.
Hydrophytia Vogatatian Present? Vog. V. No.		lo the	Sampled Ar				
			e Sampled Ar n a Wetland?		Yes X	No	
Remarks:		l .					
VECETATION . Her acjoutific names of pl							
VEGETATION – Use scientific names of plants	Absolute	Dominant	Indicator				
Tree Stratum (Plot size: 30')	% Cover	Species?	Status	Dominanc	e Test work	sheet:	
1				Number of	Dominant S	pecies That	
2.				Are OBL, F	ACW, or FA	.С:	1 (A)
3.						ant Species	4 (D)
4		=Total Cover		Across All			(B)
Sapling/Shrub Stratum (Plot size: 30')		- Total Govel			Dominant Sp FACW, or FA		00.0% (A/B)
1.				, o o o o o o o o o o o o o o o o o	7.01., 0	<u></u>	<u> </u>
2.				Prevalence	e Index wor	ksheet:	
3.				Total	% Cover of:	Multipl	y by:
4				OBL specie			80
5		T-4-1 0		FACW spe			0
Herb Stratum (Plot size: 30')		=Total Cover		FAC specie FACU spec			0
1. Carex nebrascensis	70	Yes	OBL	UPL specie		x5=	0
2. Eleocharis palustris	10	No	OBL	Column To			110 (B)
3. Alopecurus pratensis	10	No	FAC	Prevale	nce Index =		
4.							
5					_	on Indicators:	
6.						Hydrophytic Vege	tation
7. 8.					minance Tes valence Inde		
						daptations¹(Provi	ide supporting
10.						or on a separate	
11.				5 - We	tland Non-Va	ascular Plants ¹	
	90	=Total Cover		Proble	matic Hydror	phytic Vegetation	¹ (Explain)
Woody Vine Stratum (Plot size: 30')						il and wetland hyd	
1.				be present,	unless distu	urbed or problema	atic.
2		-Total Cover		Hydrophyt			
% Bare Ground in Herb Stratum		=Total Cover		Vegetation Present?	า Yes	X No	
Remarks:							

SOIL Sampling Point: WDP-12B-24(2)

0-7 7-16			Redo	x Featur	es						
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Tex	ture	F	Remarks	
7-16	10YR 2/1	100					Loamy	/Clayey	roots	present; loar	m
	10YR 2/1	94	10YR 4/6	6	С	М	Loamy	/Clayey	Prominent re	edox concen	itrations
ydric Soil Inc Histosol (A Histic Epip Black Histic Hydrogen S 1 cm Muck Depleted B Thick Dark Sandy Muc 2.5 cm Muc estrictive La Type: Depth (inch	sedon (A2) sic (A3) Sulfide (A4) sc (A9) (LRR D, G) Below Dark Surface sc Surface (A12) cky Mineral (S1) cky Peat or Peat (Silver (if observed):	e (A11)	RRs, unless other Sandy Gle Sandy Re Stripped M Loamy Mu Loamy Gle Depleted I X Redox Da Depleted	erwise newyed Matrix (S6) Matrix (S6) Matrix (S6) Matrix (S6) Matrix (F6) Matrix (F6) Matrix (F6) Matrix Surfact	oted.) rix (S4) 6) eral (F1) rix (F2) 3) ee (F6) face (F7)	(except	MLRA 1)	Indicators 2 cm M Iron-M Red P Very S Other 3Indicators wetlan	ion: PL=Pore Land for Problema Muck (A10) (LR anganese Masarent Material (Shallow Dark Su (Explain in Renot hydrophytic disturbed or problema disturbed disturbed or problema disturbed di	tic Hydric S R A, E) ses (F12) (L F21) urface (F22) narks) vegetation a ust be preser	ioils ³ : RR D)
YDROLOG	SY ology Indicators:										
-	tors (minimum of o	ne is reauir	ed: check all that	apply)				Secondary	Indicators (2 o	or more requi	ired)
Surface W	•	no lo roquii	Water-Sta		ves (B9)	(excep	 t	-	-Stained Leave	-	
High Water	r Table (A2)			1, 2, 4A,	, ,				and 4B)	`	•
Saturation			Salt Crust		,			Draina	ige Patterns (B	10)	
Water Mar			Aquatic In		es (B13)				eason Water Ta		
	Deposits (B2)		Hydrogen						tion Visible on		ery (C9
Drift Depos			Oxidized F				oots (C3)		orphic Position	_	- ` `
x Algal Mat o	or Crust (B4)		Presence	of Reduc	ed Iron (C4)	, ,		w Aquitard (D3)	, ,	
Iron Depos	, ,		Recent Iro			,	s (C6)		leutral Test (D5		
	oil Cracks (B6)		Stunted or						d Ant Mounds (I	-)
	Visible on Aerial Ir	magery (B7				· , (===	,		Heave Hummo		
Surface Sc	VISIDIC UII ACIIAI II		′ 		,					` '	
Surface So Inundation	egetated Concave	0 , (8)								
Surface So Inundation Sparsely V	egetated Concave	0 , (8)								
Surface So Inundation Sparsely V	egetated Concave	Surface (B	·	Depth (i	nches):						
Surface So Inundation Sparsely V Field Observa Surface Water	regetated Concave	Surface (B	No x	Depth (i	· -						
Surface Some Inundation Sparsely V Field Observa Surface Water Water Table Pr	resent? Ye	Surface (B	No x No x	Depth (i	nches):		Wetlan	d Hydrolog	v Present?	res X	No
Surface Solution Inundation Sparsely V Field Observa Surface Water Water Table Presentation Presentation	resent? Ye sent? Ye	Surface (B	No x		nches):		Wetlan	d Hydrolog	y Present? Y	/es_X_	No
Surface Solution Inundation Sparsely V Field Observa Surface Water Vater Table Proposition Presidention Presidential	resent? Ye sent? Ye	Surface (B	No x No x No x	Depth (i	nches): nches):	s inspec			y Present? Y	/es_X_	No _
Surface Some Inundation Sparsely V Field Observa Surface Water Water Table Property Saturation Pressincludes capilled	resent? Ye sent? Ye yersyringe)	Surface (B	No x No x No x	Depth (i	nches): nches):	s inspec			y Present? Y	/es_X_	No

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Project/Site: Post Creek Hill - US 93		City/Cou	nty: Lake			Sampling Date:	9-16-2024
Applicant/Owner: MDT				State:	MT	Sampling Point:	WDP-12B-24(1)
Investigator(s): B.Cline, F.Doty		Section, T	ownship, Rai	nge: S12 T1	9N R20W		•
Landform (hillside, terrace, etc.): roadside ditch		Local relief (co	oncave, conv	ex, none): <u>c</u>	oncave	Slo	pe (%): <u>0-5</u>
Subregion (LRR/MLRA): LRR E, MLRA 44A	Lat:	47.41927	'9 L	 _ong:114.09	96585	Datum:	NAD83
Soil Map Unit Name: Post silty clay loam, 2 to 4 perce						cation: PEM1C	
Are climatic / hydrologic conditions on the site typical	for this time o	f year?	Yes X	No	(If no, expla	ain in Remarks.)	
Are Vegetation, Soil, or Hydrology						Yes X N	lo
Are Vegetation , Soil , or Hydrology	-			plain any ansv			
SUMMARY OF FINDINGS – Attach site m	•			-		•	tures, etc.
Hydrophytic Vegetation Present? Yes X	lo	ls the	Sampled A	roa			
	lo		n a Wetland		Yes X	No	
	lo						
Remarks: roadside ditch connected to irrigation ditch		·					
VEGETATION – Use scientific names of	plants.						
Tree Stratum (Diet eine 20)	Absolute	Dominant	Indicator	Dominana	Toot work		
Tree Stratum (Plot size: 30') 1.	% Cover	Species?	Status		e Test work		
2.	,				Dominant S _l ACW, or FA	•	3 (A)
3.						ant Species	` ` /
4.				Across All S			3 (B)
		=Total Cover		Percent of I	Dominant Sp	pecies That	
Sapling/Shrub Stratum (Plot size: 30'	_)			Are OBL, F	ACW, or FA	.C: <u>10</u>	00.0% (A/B)
1. 2.	· ——	•		Brovolonos	e Index wor	kahaati	
3.		•			Cover of:	Multipl	v hv
4.	<u> </u>	•		OBL specie			20
5.				FACW spec			0
•		=Total Cover		FAC specie	es 70	x 3 =	210
Herb Stratum (Plot size: 30')				FACU spec			0
1. Poa pratensis	45	Yes	FAC	UPL specie		x 5 =	0 (7)
Alopecurus pratensis Typho letifolio	25	Yes Yes	FAC	Column Tot			230 (B)
3. Typha latifolia 4.		res	OBL	Prevaler	nce Index =	D/A - 2.5	0
5.				Hydrophyti	ic Vegetatic	on Indicators:	
6.					_	Hydrophytic Veget	tation
7.					ninance Tes		
8					valence Inde		
9						daptations ¹ (Provi or on a separate	
10	. ——						sneet)
11	90	=Total Cover				ascular Plants ¹ ohytic Vegetation	¹ (Evolain)
Woody Vine Stratum (Plot size: 30')	TOTAL COVE		-	• •	l and wetland hyd	` ' '
1.	•′					urbed or problema	
2.				Hydrophyti	ic		
		=Total Cover	_	Vegetation	1		
% Bare Ground in Herb Stratum				Present?	Yes_	X No	
Remarks:							

SOIL Sampling Point: WDP-12B-24(1)

	ription: (Describe	to the depth		ument t ox Featu		tor or o	confirm the	absence o	of indicators	s.)	
Depth (inches)		%	Color (moist)	% realu	Type ¹	Loc ²	Tex	turo		Remarks	
(inches)	Color (moist)		Color (IIIoist)	-70	туре	LOC			root		
0-5	10YR 3/2	100	7.5\/5.5\0				Loamy/			ts present; silt lo	
5-16	10YR 5/2	91	7.5YR 5/6	9	<u>C</u>	M	Loamy/	/Clayey	Prominent re	dox concentrations	s; compacted
				<u> </u>							
¹ Type: C=Co	ncentration, D=Dep	etion, RM=F	Reduced Matrix, (CS=Cove	ered or Co	oated S	and Grains.	² Loca	ation: PL=Pc	ore Lining, M=M	atrix.
Hydric Soil I	ndicators: (Applica	ble to all LF	RRs, unless oth	erwise r	noted.)			Indicator	s for Proble	ematic Hydric S	Soils ³ :
Histosol ((A1)		Sandy Gle	eyed Mat	trix (S4)			2 cm	Muck (A10)	(LRR A, E)	
Histic Epi	pedon (A2)		Sandy Re	dox (S5))			Iron-l	Manganese N	Masses (F12) (I	_RR D)
Black His	` '		Stripped N	-	-				Parent Mater	, ,	
	Sulfide (A4)			•	, ,	(except	t MLRA 1)			k Surface (F22))
	ck (A9) (LRR D, G)		Loamy Gl	-				Othe	r (Explain in	Remarks)	
	Below Dark Surface	(A11)	Depleted I	`	,			2			
	rk Surface (A12)		Redox Da							ytic vegetation	
	ucky Mineral (S1)		Depleted I		, ,					must be prese	ent,
	ucky Peat or Peat (S2) (LRR G)	Redox De	pression	ıs (F8)		ī	unles	s disturbed o	or problematic.	
	ayer (if observed):										
Type:	- I \		<u> </u>				Usadala O	- !! D		V V	M-
Depth (in	cnes):		_				Hydric So	oil Present		Yes X	No
Remarks:											
HYDROLO	GY										
Wetland Hyd	rology Indicators:										
	ators (minimum of o	ne is require	d: check all that	apply)				Seconda	rv Indicators	(2 or more requ	uired)
-	Vater (A1)		Water-Sta		aves (B9)	(excep	t		-	aves (B9) (MLF	-
	er Table (A2)		MLRA	1, 2, 4A	, and 4B)	` .			A, and 4B)	() (,
Saturatio			Salt Crust	(B11)	,				age Patterns	s (B10)	
Water Ma	arks (B1)		Aquatic In	vertebra	tes (B13)			Dry-S	Season Wate	er Table (C2)	
Sedimen	Deposits (B2)		Hydrogen	Sulfide	Odor (C1))		Satu	ation Visible	on Aerial Imag	ery (C9)
Drift Dep	osits (B3)		Oxidized F	Rhizosph	neres on L	iving R	toots (C3)	X Geor	norphic Posi	tion (D2)	
Algal Mat	or Crust (B4)		Presence	of Redu	ced Iron (C4)		Shall	ow Aquitard	(D3)	
Iron Depo	osits (B5)		Recent Iro	n Reduc	ction in Ti	lled Soi	ls (C6)	X FAC-	Neutral Test	(D5)	
Surface S	Soil Cracks (B6)		Stunted or	r Stresse	ed Plants	(D1) (L l	RR A)	Raise	ed Ant Mound	ds (D6) (LRR A	.)
	n Visible on Aerial Iı		Other (Exp	olain in F	Remarks)			Frost	-Heave Hum	mocks (D7)	
Sparsely	Vegetated Concave	Surface (B8	3)								
Field Observ	ations:										
Surface Water	er Present? Ye	s	No x	Depth (inches):						
Water Table		s	No x		inches):		.				
Saturation Pr		s	No <u>x</u>	Depth (inches):		Wetlan	d Hydrolo	gy Present?	Yes X	No
(includes cap					-		1				
Describe Rec	orded Data (stream	gauge, mon	itoring well, aeria	al photos	, previous	inspec	ctions), if ava	ailable:			
Remarks:											

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Project/Site: Post Creek Hill - US 93		City/Cour	nty: Lake	•	Sampling Date:	9-16-2024
Applicant/Owner: MDT				State: MT	Sampling Point:	WDP-12B-24(4)
Investigator(s): B.Cline, F.Doty		Section, T	ownship, Ra	nge: S12 T19N R20W		
Landform (hillside, terrace, etc.): roadside ditch		Local relief (co	oncave, conv	ex, none): concave	Slo	pe (%): <u>0-5</u>
Subregion (LRR/MLRA): LRR E, MLRA 44A	Lat:	47.42007	<u>7 </u>	_ong:114.096639	Datum:	NAD83
Soil Map Unit Name: Post silty clay loam, 0-2 percer	nt slopes			NWI classif	fication: none	
Are climatic / hydrologic conditions on the site typical	for this time o	f year?	Yes X	No (If no, exp	olain in Remarks.)	
Are Vegetation, Soil, or Hydrology	_significantly	disturbed? A	re "Normal C	Circumstances" present?	Yes_X_ N	0
Are Vegetation , Soil , or Hydrology			f needed, ex	plain any answers in Rer	narks.)	
SUMMARY OF FINDINGS – Attach site n			g point lo	cations, transects,	important feat	ures, etc.
Hydrophytic Vegetation Present? Yes X	No	Is the	Sampled A	rea		
	No		n a Wetland		No	
	No					
Remarks:		-				
roadside ditch connected to irrigation ditch						
VEGETATION – Use scientific names of	plants.					
	Absolute	Dominant	Indicator			
Tree Stratum (Plot size: 30')	% Cover	Species?	Status	Dominance Test wor	ksheet:	
1. 2.				Number of Dominant : Are OBL, FACW, or F	•	2 (A)
3.						2 (A)
4.				Total Number of Dom Across All Strata:	mant Species	2 (B)
		=Total Cover		Percent of Dominant S	Species That	
Sapling/Shrub Stratum (Plot size: 30'	_)			Are OBL, FACW, or F	AC: 10	00.0% (A/B)
1						
2.				Prevalence Index wo		
3.				Total % Cover of OBL species 4		y by: 45
5.				FACW species 2		40
J		=Total Cover		·	5 x 3 =	75
Herb Stratum (Plot size: 30')				· -	x 4 =	0
1. Typha latifolia	45	Yes	OBL	UPL species (x 5 =	0
2. Lepidium latifolium	15	Yes	FAC	Column Totals: 9	0 (A)	160 (B)
3. Phalaris arundinacea	10	No	FACW	Prevalence Index	= B/A =1.7	8
4. Mentha arvensis	10	No	FACW			
5. Barbarea vulgaris	10	No	<u>FAC</u>	Hydrophytic Vegetat		
6.				1 - Rapid Test for X 2 - Dominance Te	Hydrophytic Veget	ation
7. 8.				X 3 - Prevalence Inc		
					Adaptations ¹ (Provi	de sunnortino
10			•		s or on a separate	
11				5 - Wetland Non-\	/ascular Plants ¹	
	90	=Total Cover		Problematic Hydro	ophytic Vegetation	(Explain)
Woody Vine Stratum (Plot size: 30'	_)			¹ Indicators of hydric se		
1.				be present, unless dis	turbed or problema	itic.
2		-Total Cava		Hydrophytic		
% Bare Ground in Herb Stratum		=Total Cover		Vegetation Present? Yes	X No	
Remarks:					_	

SOIL Sampling Point: WDP-12B-24(4)

Profile Descr Depth	ription: (Describe Matrix	to the depth		ument t l x Featui		tor or o	confirm the	absence o	f indicators	.)	
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Tov	ture		Remarks	
0-8	10YR 2/1	100	Color (moist)		Турс			/Clayey	•	roots present	
			40VD 5/0			- 14					
8-16	10YR 4/2	93	10YR 5/8		<u>C</u>	M	Loamy	/Clayey	Prominer	nt redox conce	ntrations
<u> </u>											
 											
¹ Type: C=Co	ncentration, D=Dep	etion, RM=R	Reduced Matrix, C	S=Cove	ered or Co	oated S	and Grains.	² Loca	tion: PL=Po	re Lining, M=M	latrix.
Hydric Soil Ir	ndicators: (Applica	ble to all LF	RRs, unless othe	rwise n	oted.)			Indicator	s for Proble	matic Hydric	Soils ³ :
Histosol (A1)		Sandy Gle	yed Mat	rix (S4)			2 cm	Muck (A10) ((LRR A, E)	
Histic Epi	pedon (A2)		Sandy Red	dox (S5)				Iron-N	/langanese M	/lasses (F12) (l	LRR D)
Black His	tic (A3)		Stripped M	latrix (S	3)			Red F	Parent Materi	al (F21)	
Hydrogen	Sulfide (A4)		Loamy Mu	cky Min	eral (F1)	(except	MLRA 1)	Very	Shallow Dark	Surface (F22))
1 cm Muc	k (A9) (LRR D, G)		Loamy Gle	eyed Ma	trix (F2)			Other	(Explain in F	Remarks)	
·	Below Dark Surface	e (A11)	Depleted N	`	,			2			
	k Surface (A12)		Redox Dar							tic vegetation	
I —	ucky Mineral (S1)		Depleted [` '					must be prese	ent,
	ucky Peat or Peat (52) (LRR G)	Redox Dep	oression	s (F8)			unles	s disturbed o	r problematic.	
	ayer (if observed):										
Type: _									•		
Depth (inc	cnes):		_				Hyaric S	oil Present	<i>?</i>	Yes X	No
Remarks:											
HYDROLO	GY										
Wetland Hyd	rology Indicators:										
_	ators (minimum of o	ne is require	d; check all that	apply)				Secondar	y Indicators (2 or more requ	uired)
Surface V	Vater (A1)		Water-Sta	ined Lea	ves (B9)	(excep	t	Wate	r-Stained Lea	aves (B9) (MLI	RA 1, 2
High Wat	er Table (A2)				and 4B))		4.4	, and 4B)		
Saturation	n (A3)		Salt Crust	-				Draina	age Patterns	(B10)	
Water Ma			Aquatic In		, ,				eason Water		
	Deposits (B2)		Hydrogen		, ,					on Aerial Imag	ery (C9)
Drift Depo			Oxidized F			•	oots (C3)		norphic Positi	, ,	
I —	or Crust (B4)		Presence		,	,	I- (CC)		ow Aquitard (
Iron Depo	Soil Cracks (B6)		Recent Iro Stunted or						Neutral Test	(D5) ls (D6) (LRR A	.\
	n Visible on Aerial I	magery (R7)				(D1) (L	KK A)		Heave Humi	` , `	1)
	Vegetated Concave			nani iii i	(emarks)				i leave i luiili	nocks (D1)	
Field Observ		Carrace (Be	·/)				1				
Surface Wate		e	No x	Denth (inches):						
Water Table F		s		. ,	inches):		· [
Saturation Pre					inches):		Wetlan	d Hydrolog	y Present?	Yes X	No
(includes capi				. (′ –			,	•		,
	orded Data (stream	gauge, mon	itoring well, aeria	l photos	, previous	sinspec	ctions), if av	ailable:			
	<u> </u>	- - ·	<u> </u>								
Remarks:											

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Project/Site: Post Creek Hill - US 93		City/Cour	nty: Lake	•	Sampling Date:	9-17-2024
Applicant/Owner: MDT				State: MT	Sampling Point:	WDP-13C-24
Investigator(s): B.Cline, F.Doty		Section, T	ownship, Ra	nge: S11 T19 R20W		
Landform (hillside, terrace, etc.): roadside ditch		Local relief (co	oncave, conv	ex, none): <u>concave</u>	Slo	pe (%): <u>0-5</u>
Subregion (LRR/MLRA): LRR E, MLRA 44A	Lat:	47.42130	<u>1</u> [ong: <u>-114.097052</u>	Datum:	NAD83
Soil Map Unit Name: Post-Ronan-Water complex, 2	to 8 percent slo	opes		NWI classi	fication: PEM1C	
Are climatic / hydrologic conditions on the site typical	for this time o	f year?	Yes X	No (If no, exp	olain in Remarks.)	
Are Vegetation, Soil, or Hydrology	_significantly	disturbed? A	re "Normal C	circumstances" present?	Yes X N	o
Are Vegetation, Soil, or Hydrology	_naturally prol	olematic? (I	f needed, ex	plain any answers in Rer	narks.)	
SUMMARY OF FINDINGS - Attach site n	nap showin	g sampling	g point lo	cations, transects,	important feat	ures, etc.
Hydrophytic Vegetation Present? Yes X	No	Is the	Sampled A	rea		
	No		n a Wetland		No	
Wetland Hydrology Present? Yes X	No				·	
Remarks:						
VECETATION Has accomplific marries of						
VEGETATION – Use scientific names of	Absolute	Dominant	Indicator			
Tree Stratum (Plot size: 30')	% Cover	Species?	Status	Dominance Test wor	ksheet:	
1				Number of Dominant	•	
2.				Are OBL, FACW, or F		3 (A)
3.				Total Number of Dom Across All Strata:	nant Species	3 (B)
4		=Total Cover		Percent of Dominant S		3 (B)
Sapling/Shrub Stratum (Plot size: 30')			Are OBL, FACW, or F	•	00.0% (A/B)
1.	_ 					-
2				Prevalence Index wo		
3.				Total % Cover of	·	
5.				OBL species 5 FACW species 2		55
J		=Total Cover			x 3 =	0
Herb Stratum (Plot size: 30')				FACU species (0
1. Typha latifolia	25	Yes	OBL	UPL species (0
2. Juncus balticus	25	Yes	FACW			105 (B)
Eleocharis palustris Rorippa palustris	20	Yes No	OBL OBL	Prevalence Index	= B/A = <u>1.3</u>	<u>1</u>
5.			OBL	Hydrophytic Vegetat	ion Indicators:	
6.					Hydrophytic Veget	ation
7.				X 2 - Dominance Te	st is >50%	
8		-		X 3 - Prevalence Inc		
9.					Adaptations ¹ (Provi s or on a separate	
10				5 - Wetland Non-		oneer)
11	80	=Total Cover			vascular Plants ophytic Vegetation	(Explain)
Woody Vine Stratum (Plot size: 30')			¹ Indicators of hydric se		
1.	- 			be present, unless dis		
2.				Hydrophytic		
9/ Para Cround in Hash Stratum		=Total Cover		Vegetation	V N-	
% Bare Ground in Herb Stratum				Present? Yes	No	_
Remarks:						

SOIL Sampling Point: WDP-13C-24

Depth	Matrix		Redo	x Featur	es		onfirm the absenc	
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-1	10YR 2/1	100	`		<u> </u>		Loamy/Clayey	Organic Material
1-6	10YR 3/2	96	7.5YR 4/6	4	С	M	Loamy/Clayey	Roots present
6-18	7.5YR 4/2	78	7.5YR 5/6	22	C	PL/M	Loamy/Clayey	Prominent redox concentrations
0-10	7.511(4/2	<u> 70</u>	7.511070			1 1/1/1	Loamy/Olayey	Tromment redex concentrations
								_
	· 						-	
1- 0.0		 						
• • • • • • • • • • • • • • • • • • • •	concentration, D=Depl					oated Sa		ocation: PL=Pore Lining, M=Matrix.
	Indicators: (Applica	bie to all						ators for Problematic Hydric Soils ³ :
Histosol	` '		Sandy Gle	•	IX (54)			cm Muck (A10) (LRR A, E)
	pipedon (A2) istic (A3)		Sandy Red Stripped M		:)			on-Manganese Masses (F12) (LRR D) ed Parent Material (F21)
	en Sulfide (A4)		Loamy Mu	-		(evcent		ery Shallow Dark Surface (F22)
	uck (A9) (LRR D, G)		Loamy Gle	-		ισνοσμι		ther (Explain in Remarks)
	d Below Dark Surface	e (A11)	Depleted N	-				(Explain in Nomano)
	ark Surface (A12)	····/	Redox Dar	`	,		³ Indica	ators of hydrophytic vegetation and
	Mucky Mineral (S1)		Depleted [)		etland hydrology must be present,
	Mucky Peat or Peat (S2) (LRR (` '			nless disturbed or problematic.
	Layer (if observed):							
Type:								
Depth (i	nches):						Hydric Soil Pres	ent? Yes X No
Remarks:						L.		
HYDROLO	OGY							
HYDROLO Wetland Hy								
Wetland Hy	drology Indicators:	ne is requi	ired; check all that	apply)			Secon	ndary Indicators (2 or more required)
Wetland Hy Primary Indi		ne is requi	ired; check all that i		ves (B9)	(excep		ndary Indicators (2 or more required) Vater-Stained Leaves (B9) (MLRA 1, 2
Wetland Hy Primary Indi Surface	rdrology Indicators: cators (minimum of o	ne is requi	Water-Sta		, ,			
Wetland Hy Primary Indi Surface High Wa	rdrology Indicators: cators (minimum of o Water (A1) ater Table (A2) on (A3)	ne is requi	Water-Sta MLRA Salt Crust	ined Lea 1, 2, 4A, (B11)	and 4B)	W Dı	rater-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) rainage Patterns (B10)
Wetland Hy Primary Indi Surface High Wa Saturati Water M	rdrology Indicators: cators (minimum of o Water (A1) ater Table (A2) on (A3) Marks (B1)	ne is requi	Water-Sta MLRA Salt Crust Aquatic In	ined Lea 1, 2, 4A, (B11) vertebrat	and 4B) es (B13))	tW Dı Dı	rater-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) rainage Patterns (B10) ry-Season Water Table (C2)
Wetland Hy Primary Indi Surface High Wa Saturati Water M X Sedimen	rdrology Indicators: cators (minimum of o Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2)	ne is requi	Water-Sta MLRA Salt Crust Aquatic In Hydrogen	ined Lea 1, 2, 4A, (B11) vertebrat Sulfide (and 4B) es (B13) Odor (C1) ,)	tW	rater-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) rainage Patterns (B10) ry-Season Water Table (C2) aturation Visible on Aerial Imagery (C9)
Wetland Hy Primary Indi Surface High Wa Saturati Water M X Sedimen Drift De	rdrology Indicators: cators (minimum of o Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3)	ne is requi	Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F	ined Lea 1, 2, 4A, (B11) vertebrat Sulfide C Rhizosph	and 4B) es (B13) Odor (C1 eres on l))) Living Ro		rater-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) rainage Patterns (B10) ry-Season Water Table (C2) raturation Visible on Aerial Imagery (C9) reomorphic Position (D2)
Wetland Hy Primary Indi Surface High Wa Saturati Water M X Sedimel Drift Del x Algal Ma	rdrology Indicators: cators (minimum of o Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4)	ne is requi	Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F Presence	ined Lea 1, 2, 4A, (B11) vertebrat Sulfide C Rhizosph of Reduc	es (B13) Odor (C1 eres on led)) Living Ro	Di Di Di Si	rater-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) rainage Patterns (B10) ry-Season Water Table (C2) raturation Visible on Aerial Imagery (C9) reomorphic Position (D2) reallow Aquitard (D3)
Wetland Hy Primary Indi Surface High Wa Saturati Water M X Sedimel Drift Del X Algal Ma Iron Dep	rdrology Indicators: cators (minimum of o Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5)	ne is requi	Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro	ined Lea 1, 2, 4A, (B11) vertebrat Sulfide C Rhizosph of Reduc	es (B13) Odor (C1 eres on led Iron (Living Ro (C4)	DI DI DI	rater-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) rainage Patterns (B10) ry-Season Water Table (C2) raturation Visible on Aerial Imagery (C9) reomorphic Position (D2) rallow Aquitard (D3) AC-Neutral Test (D5)
Wetland Hy Primary Indi Surface High Wa Saturati Water M X Sedimer Drift Der x Algal Ma Iron Der Surface	rdrology Indicators: cators (minimum of o Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6)		Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Stunted or	ined Lea 1, 2, 4A, (B11) vertebrat Sulfide C Rhizosph of Reduc n Reduc	es (B13) Odor (C1 eres on led Iron (tion in Ti	Living Ro (C4) (D1) (LI	Di Di Di Si	rater-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) rainage Patterns (B10) ry-Season Water Table (C2) raturation Visible on Aerial Imagery (C9) reomorphic Position (D2) rallow Aquitard (D3) AC-Neutral Test (D5) raised Ant Mounds (D6) (LRR A)
Wetland Hy Primary Indi Surface High Wa Saturati Water M X Sedimel Drift Del X Algal Ma Iron Dep Surface Inundati	rdrology Indicators: cators (minimum of o Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) ion Visible on Aerial In	magery (B	Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Stunted or Other (Exp	ined Lea 1, 2, 4A, (B11) vertebrat Sulfide C Rhizosph of Reduc n Reduc	es (B13) Odor (C1 eres on led Iron (tion in Ti	Living Ro (C4) (D1) (LI	Di Di Di Si	rater-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) rainage Patterns (B10) ry-Season Water Table (C2) raturation Visible on Aerial Imagery (C9) reomorphic Position (D2) rallow Aquitard (D3) AC-Neutral Test (D5)
Wetland Hy Primary Indi Surface High Wa Saturati Water M X Sedimen Drift Dep X Algal Ma Iron Dep Surface Inundati Sparsely	rdrology Indicators: cators (minimum of o Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) ion Visible on Aerial In y Vegetated Concave	magery (B	Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Stunted or Other (Exp	ined Lea 1, 2, 4A, (B11) vertebrat Sulfide C Rhizosph of Reduc n Reduc	es (B13) Odor (C1 eres on led Iron (tion in Ti	Living Ro (C4) (D1) (LI	Di Di Di Si	rater-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) rainage Patterns (B10) ry-Season Water Table (C2) raturation Visible on Aerial Imagery (C9) reomorphic Position (D2) rallow Aquitard (D3) AC-Neutral Test (D5) raised Ant Mounds (D6) (LRR A)
Wetland Hy Primary Indi Surface High Wa Saturati Water M X Sedimen Drift Del X Algal Ma Iron Dep Surface Inundati Sparsely	rdrology Indicators: cators (minimum of o Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) ion Visible on Aerial In y Vegetated Concave	magery (B Surface (l	Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Stunted or Other (Exp	ined Lea 1, 2, 4A, (B11) vertebrat Sulfide C Rhizosph of Reduc on Reduc Stresse blain in R	es (B13) Dodor (C1 eres on led Iron (tion in Ti d Plants emarks)	Living Ro (C4) (D1) (LI	Di Di Di Si	rater-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) rainage Patterns (B10) ry-Season Water Table (C2) raturation Visible on Aerial Imagery (C9) reomorphic Position (D2) rallow Aquitard (D3) AC-Neutral Test (D5) raised Ant Mounds (D6) (LRR A)
Wetland Hy Primary Indi Surface High Wa Saturati Water M X Sedimer Drift Der x Algal Ma Iron Der Surface Inundati Sparsely Field Obser Surface Water	rdrology Indicators: cators (minimum of o Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) ion Visible on Aerial In y Vegetated Concave rvations: ter Present?	magery (B Surface (l	Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Stunted or Other (Exp	ined Lea 1, 2, 4A, (B11) vertebrat Sulfide C Rhizosph of Reduc on Reduc Stresse blain in R	es (B13) Dor (C1 eres on led Iron (tion in Tid Plants emarks)	Living Ro (C4) (D1) (LI	Di Di Di Si	rater-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) rainage Patterns (B10) ry-Season Water Table (C2) raturation Visible on Aerial Imagery (C9) reomorphic Position (D2) rallow Aquitard (D3) AC-Neutral Test (D5) raised Ant Mounds (D6) (LRR A)
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Wetland Hy Primary Indi Surface High Wa Saturation Water M X Sedimen Drift Dep X Algal Ma Iron Dep Surface Inundati Sparsely Field Obser Surface Water Table Saturation P	rdrology Indicators: cators (minimum of o Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) ion Visible on Aerial In y Vegetated Concave rvations: ter Present? Ye Present? Ye Present? Ye	magery (B Surface (l	Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Stunted or Other (Exp	ined Lea 1, 2, 4A, (B11) vertebrat Sulfide C Rhizosph of Reduc on Reduc Stresse blain in R	es (B13) Dor (C1 eres on led Iron (tion in Tid Plants emarks) nches):nches):	Living Ro (C4) (D1) (LI	Di	rater-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) rainage Patterns (B10) ry-Season Water Table (C2) raturation Visible on Aerial Imagery (C9) reomorphic Position (D2) rallow Aquitard (D3) AC-Neutral Test (D5) raised Ant Mounds (D6) (LRR A)
Wetland Hy Primary Indi Surface High Wa Saturati Water M X Sedimel Drift Del X Algal Ma Iron Dep Surface Inundati Sparsely Field Obser Surface Water Table Saturation P (includes ca	rdrology Indicators: cators (minimum of o Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) ion Visible on Aerial In y Vegetated Concave rvations: ter Present? Ye	magery (B Surface (I ss ss	Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Stunted or Other (Exp No x No x No x	ined Lea 1, 2, 4A, (B11) vertebrat Sulfide (Rhizosph of Reduc n Reduc Stresse clain in R	es (B13) Odor (C1 eres on led Iron (tion in Ti d Plants emarks) nches): _ nches): _) Living Ro (C4) Illed Soil (D1) (Li	Wetland Hydro	Vater-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) rainage Patterns (B10) ry-Season Water Table (C2) aturation Visible on Aerial Imagery (C9) eomorphic Position (D2) nallow Aquitard (D3) AC-Neutral Test (D5) aised Ant Mounds (D6) (LRR A) rost-Heave Hummocks (D7)
Wetland Hy Primary Indi Surface High Wa Saturati Water M X Sedimen Drift Del X Algal Ma Iron Dep Surface Inundati Sparsely Field Obser Surface Wat Water Table Saturation P (includes ca	rdrology Indicators: cators (minimum of o Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) ion Visible on Aerial In y Vegetated Concave rvations: ter Present? Present? Ye Present? Ye pillary fringe)	magery (B Surface (I ss ss	Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Stunted or Other (Exp No x No x No x	ined Lea 1, 2, 4A, (B11) vertebrat Sulfide (Rhizosph of Reduc n Reduc Stresse clain in R	es (B13) Odor (C1 eres on led Iron (tion in Ti d Plants emarks) nches): _ nches): _) Living Ro (C4) Illed Soil (D1) (Li	Wetland Hydro	Vater-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) rainage Patterns (B10) ry-Season Water Table (C2) aturation Visible on Aerial Imagery (C9) eeomorphic Position (D2) hallow Aquitard (D3) AC-Neutral Test (D5) aised Ant Mounds (D6) (LRR A) rost-Heave Hummocks (D7)
Wetland Hy Primary Indi Surface High Wa Saturati Water M X Sedimel Drift Del X Algal Ma Iron Dep Surface Inundati Sparsely Field Obser Surface Water Table Saturation P (includes ca	rdrology Indicators: cators (minimum of o Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) ion Visible on Aerial In y Vegetated Concave rvations: ter Present? Present? Ye Present? Ye pillary fringe)	magery (B Surface (I ss ss	Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Stunted or Other (Exp No x No x No x	ined Lea 1, 2, 4A, (B11) vertebrat Sulfide (Rhizosph of Reduc n Reduc Stresse clain in R	es (B13) Odor (C1 eres on led Iron (tion in Ti d Plants emarks) nches): _ nches): _) Living Ro (C4) Illed Soil (D1) (Li	Wetland Hydro	Vater-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) rainage Patterns (B10) ry-Season Water Table (C2) aturation Visible on Aerial Imagery (C9) eeomorphic Position (D2) hallow Aquitard (D3) AC-Neutral Test (D5) aised Ant Mounds (D6) (LRR A) rost-Heave Hummocks (D7)
Wetland Hy Primary Indi Surface High Wa Saturati Water M X Sedimen Drift Dep X Algal Ma Iron Dep Surface Inundati Sparsely Field Obser Surface Wat Water Table Saturation P (includes ca	rdrology Indicators: cators (minimum of o Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) ion Visible on Aerial In y Vegetated Concave rvations: ter Present? Present? Ye Present? Ye pillary fringe)	magery (B Surface (I ss ss	Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Stunted or Other (Exp No x No x No x	ined Lea 1, 2, 4A, (B11) vertebrat Sulfide (Rhizosph of Reduc n Reduc Stresse clain in R	es (B13) Odor (C1 eres on led Iron (tion in Ti d Plants emarks) nches): _ nches): _) Living Ro (C4) Illed Soil (D1) (Li	Wetland Hydro	Vater-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) rainage Patterns (B10) ry-Season Water Table (C2) aturation Visible on Aerial Imagery (C9) eeomorphic Position (D2) hallow Aquitard (D3) AC-Neutral Test (D5) aised Ant Mounds (D6) (LRR A) rost-Heave Hummocks (D7)

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

<u> </u>	0-5
Landform (hillside, terrace, etc.): irrigation ditch	3
Subregion (LRR/MLRA): LRR E, MLRA 44A	3
Soil Map Unit Name: Post silt loam, 0-2 percent slopes	
Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.) Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes X No Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, explain any answers in Remarks.) Hydrophytic Vegetation Present? Yes X No	etc.
Are Vegetation, Soil, or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes _X No Are Vegetation, Soil, or Hydrology naturally problematic? (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, or support to the sample of the sample	etc.
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SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, of the Hydrophytic Vegetation Present? Yes X No	etc.
Hydric Soil Present? Yes X No within a Wetland? Yes X No Wetland Hydrology Present? Yes X No Remarks: irrigation ditch with cattle compaction and disturbance VEGETATION – Use scientific names of plants. Tree Stratum (Plot size: 30') Absolute Species? Status Dominant Indicator Species? Status Dominant Species That Are OBL, FACW, or FAC: 2	
Hydric Soil Present? Yes X No within a Wetland? Yes X No Wetland Hydrology Present? Yes X No Remarks: irrigation ditch with cattle compaction and disturbance VEGETATION – Use scientific names of plants. Tree Stratum (Plot size: 30') Absolute Species? Status Dominant Indicator Species? Status Dominant Species That Are OBL, FACW, or FAC: 2	
Wetland Hydrology Present? Yes X No Remarks: irrigation ditch with cattle compaction and disturbance VEGETATION – Use scientific names of plants. Tree Stratum (Plot size: 30') Absolute Species? Status Dominant Status Dominant Status Number of Dominant Species That Are OBL, FACW, or FAC: 2	
VEGETATION – Use scientific names of plants. Tree Stratum (Plot size: 30')	
VEGETATION – Use scientific names of plants. Tree Stratum (Plot size: 30') Absolute % Cover Species? Dominant Species? Indicator Status Dominance Test worksheet: 1.	
Absolute Dominant Indicator Species? Status 1.	
Absolute Dominant Indicator Species? Status 1.	
1. Number of Dominant Species That Are OBL, FACW, or FAC: 2	
2 Are OBL, FACW, or FAC: 2	
<u> </u>	(A)
3. Total Number of Dominant Species	(八)
Total Number of Bollmant Opcoles	(B)
=Total Cover Percent of Dominant Species That	` ,
Sapling/Shrub Stratum (Plot size: 30') Are OBL, FACW, or FAC: 100.0%	(A/B)
1	
2. Prevalence Index worksheet: 3. Total % Cover of: Multiply by:	
4. OBL species 10 x 1 = 10	
5. FACW species 30 x 2 = 60	
=Total Cover	
<u>Herb Stratum</u> (Plot size: <u>30'</u>) FACU species <u>0</u> x 4 = <u>0</u>	
1. Eleocharis palustris 10 No OBL UPL species 0 x 5 = 0	
	(B)
3 Prevalence Index = B/A = 2.09	
5. Juncus balticus 20 Yes FACW Hydrophytic Vegetation Indicators:	
6. 1 - Rapid Test for Hydrophytic Vegetation	
7. X 2 - Dominance Test is >50%	
8. X 3 - Prevalence Index is ≤3.0 ¹	
94 - Morphological Adaptations (Provide support	orting
data in Remarks or on a separate sheet)	
115 - Wetland Non-Vascular Plants ¹ 55 =Total Cover Problematic Hydrophytic Vegetation ¹ (Explain	n)
Woody Vine Stratum (Plot size: 30') **Indicators of hydric soil and wetland hydrology m	•
1	ust
2. Hydrophytic	
=Total Cover Vegetation	
% Bare Ground in Herb Stratum Present? Yes X No	
Remarks:	

SOIL Sampling Point: WDP-14A-24(1)

Profile Descr Depth	iption: (Describe t Matrix	to the depth		ment th Feature		itor or o	confirm the	absence of	indicators.)	
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Text	ure		Remarks	
0-6	10YR 5/2	100	, ,				Mucky Lo			roots present	
6-16	10YR 4/2	97	10YR 5/4	3	С	M	Loamy/			redox concent	trations
		<u> </u>		<u> </u>				<u> </u>	2.0		
			_			-		 -			
							-				
								 , ,			
1											
	ncentration, D=Depl ndicators: (Applica					oated S	and Grains.			e Lining, M=N	
		Die to all LR			•					natic Hydric (Solis :
Histosol (,		Sandy Gley Sandy Red		IX (S4)				Muck (A10) (LKK A, E) lasses (F12) (I	DD D\
Black Hist	pedon (A2)		Stripped Ma	` '	:)				anganese w arent Materia		LKK D)
	Sulfide (A4)		X Loamy Muc	•	•	(excent	MIRA 1)			Surface (F22)	١
	k (A9) (LRR D, G)		Loamy Gley	-		(схосрі	ineroa i,		Explain in R		,
	Below Dark Surface	e (A11)	Depleted M						(—sde.e 11.1.)		
	k Surface (A12)	V /	Redox Dark		-			³ Indicators	of hydrophy	tic vegetation	and
	ıcky Mineral (S1)		Depleted D		, ,					must be prese	
2.5 cm Mu	ucky Peat or Peat (S2) (LRR G)	Redox Dep		, ,			unless	disturbed or	r problematic.	
Restrictive La	ayer (if observed):										
Туре:			_								
Depth (inc	ches):		_				Hydric So	il Present?	•	Yes X	No
Remarks:											
HYDROLO(2V										
	rology Indicators:										
_	ators (minimum of o	ne is require	d; check all that a	(ylqq				Secondary	Indicators (2 or more requ	uired)
x Surface W	•		Water-Stair		ves (B9)	(ехсер	t			ves (B9) (MLF	
	er Table (A2)				and 4B)				and 4B)	`	·
x Saturation	n (A3)		Salt Crust (B11)				Draina	ige Patterns	(B10)	
Water Ma	rks (B1)		Aquatic Inv	ertebrat	es (B13)			Dry-Se	eason Water	Table (C2)	
Sediment	Deposits (B2)		Hydrogen S	Sulfide C	odor (C1))		Satura	ition Visible o	on Aerial Imag	ery (C9)
Drift Depo	osits (B3)		Oxidized RI	nizosph	eres on L	₋iving R	oots (C3)	x Geom	orphic Positi	on (D2)	
	or Crust (B4)		Presence o		,	,			w Aquitard (I	•	
Iron Depo	, ,		Recent Iron						leutral Test (
	oil Cracks (B6)	(D.7)	Stunted or			(D1) (L	RR A)			s (D6) (LRR A	A)
	n Visible on Aerial Ir	0 , ,	Other (Expl	aın ın K	emarks)			Frost-I	Heave Humn	nocks (D7)	
	Vegetated Concave	Surface (B8	9)								
Field Observa				- u		•					
Surface Wate		s <u>x</u>			nches): _						
Water Table F		s			nches): _		Wattana	l Uvdralas	v Procent?	Voc V	No
Saturation Pre		s <u>x</u>	No	epuı (II)	nches): _	0	vvetiand	ı myarolog	y Present?	162 <u>Y</u>	No
(includes capi	nary fringe) orded Data (stream	dalide mon	itoring well serial	nhotos	nrevious	s inener	tions) if ava	ilahle:			
Describe Med		gauge, mon	y well, aeilal	PHOIOS,	previous		, II ava				
Remarks:											

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Project/Site: Post Creek Hill - US 93	9	City/Cour	nty: Lake	•	Sampling Date:	9-16-2024
Applicant/Owner: MDT				State: MT	Sampling Point:	WDP-14A-24(2)
Investigator(s): B.Cline, F.Doty		Section, T	ownship, Rar	nge: S12 T19N R20W		
Landform (hillside, terrace, etc.): field	Lo	ocal relief (co	oncave, conve	ex, none): <u>concave</u>	Slo	pe (%): <u>0-5</u>
Subregion (LRR/MLRA): LRR E, MLRA 44A	Lat:	47.42416	8 L	ong: <u>-114.096334</u>	Datum:	NAD83
Soil Map Unit Name: Post-Ronan-Water complex, 2 to 8	percent slop	es		NWI classif	ication: PEM1C	
Are climatic / hydrologic conditions on the site typical for t	this time of y	/ear?	Yes X	No (If no, exp	lain in Remarks.)	
Are Vegetation, Soil, or Hydrologysig	nificantly dis	sturbed? A	re "Normal C	ircumstances" present?	Yes X N	0
Are Vegetation, Soil, or Hydrologynat	turally proble	ematic? (I	f needed, exp	olain any answers in Ren	narks.)	
SUMMARY OF FINDINGS – Attach site map	showing	sampling	g point loc	ations, transects,	important feat	ures, etc.
Hydrophytic Vegetation Present? Yes X No		Is the	Sampled Ar	ea		
			n a Wetland?		No	
Wetland Hydrology Present? Yes X No						
Remarks:		•				
VECETATION Has a significant and a significant a	4-					
VEGETATION – Use scientific names of pla	Absolute	Dominant	Indicator			
	% Cover	Species?	Status	Dominance Test wor	ksheet:	
1				Number of Dominant S	Species That	
2.				Are OBL, FACW, or F	AC:	1 (A)
3				Total Number of Domi Across All Strata:	nant Species	1 (D)
4		Total Cover		Percent of Dominant S		<u>1</u> (B)
Sapling/Shrub Stratum (Plot size: 30')				Are OBL, FACW, or F		0.0% (A/B)
1.						
2				Prevalence Index wo		
3				Total % Cover of:		
4				OBL species 50 FACW species 0		0
·		Total Cover		FAC species 0		0
Herb Stratum (Plot size: 30')				FACU species 10) x 4 =	40
1. Lepidium densiflorum	10	No	FACU	UPL species 0		0
2. Typha latifolia	50	Yes	OBL	Column Totals: 60	` ′	90 (B)
3. 4.				Prevalence Index =	= B/A = <u>1.50</u>	<u> </u>
5.				Hydrophytic Vegetati	on Indicators:	
6.					Hydrophytic Veget	ation
7				X 2 - Dominance Te		
8				X 3 - Prevalence Ind		
9					Adaptations ¹ (Provions or on a separate	
10				5 - Wetland Non-V	•	
	60 =	Total Cover			ophytic Vegetation ¹	(Explain)
Woody Vine Stratum (Plot size: 30')				¹ Indicators of hydric so		
1.				be present, unless dist	urbed or problema	tic.
2		Total Cover		Hydrophytic		
_ % Bare Ground in Herb Stratum	=	i olai GUVEľ		Vegetation Present? Yes	X No	
Remarks:						_
nomans.						

SOIL Sampling Point: WDP-14A-24(2)

Profile Desc Depth	ription: (Describe to Matrix	to the dept		ument tl x Featur		tor or o	onfirm the	absence of	indicators	.)	
		0/				1002	Tov	tura		Domorko	
(inches) 0-6	Color (moist) 10YR 5/2	100	Color (moist)	%	Type ¹	Loc ²	Mucky Lo			Remarks roots present	
	-										
6-16	10YR 4/2	97	10YR 5/4	3	<u> </u>	<u>M</u>	Loamy/	Clayey	Distinct	redox concer	trations
<u> </u>											
<u> </u>							-	•			
¹Type: C=Co	oncentration, D=Depl	etion, RM=	Reduced Matrix, C	S=Cove	ered or Co	oated S	and Grains.	² Locati	on: PL=Poi	re Lining, M=N	Matrix.
Hydric Soil I	ndicators: (Applica	ble to all L	RRs, unless othe	erwise n	oted.)			Indicators	for Proble	matic Hydric	Soils ³ :
Histosol	(A1)		Sandy Gle	yed Mat	rix (S4)			2 cm M	luck (A10) (LRR A, E)	
	ipedon (A2)		Sandy Red	-						lasses (F12) ((LRR D)
Black His	stic (A3)		Stripped M	latrix (Se	6)			Red Pa	arent Materi	al (F21)	
Hydrogei	n Sulfide (A4)		X Loamy Mu	cky Mine	eral (F1)	(except	MLRA 1)	Very S	hallow Dark	Surface (F22	2)
1 cm Mu	ck (A9) (LRR D, G)		Loamy Gle	eyed Ma	trix (F2)			Other (Explain in F	Remarks)	
Depleted	Below Dark Surface	(A11)	Depleted N	л Лatrix (F	3)					•	
Thick Da	rk Surface (A12)		Redox Dar	k Surfac	ce (F6)			³ Indicators	of hydrophy	tic vegetation	and
Sandy M	ucky Mineral (S1)		Depleted [wetland	d hydrology	must be pres	ent,
2.5 cm M	lucky Peat or Peat (S2) (LRR G	Redox Dep	oression	s (F8)			unless	disturbed o	r problematic.	
Restrictive L	ayer (if observed):										
Type:											
Depth (in	iches):						Hydric So	oil Present?		Yes X	No
Remarks:						•					
HYDROLO	GY										
Wetland Hyd	drology Indicators:										
Primary Indic	ators (minimum of o	ne is require	ed; check all that	apply)				Secondary	Indicators (2 or more req	uired)
_X_Surface \	Water (A1)		Water-Sta	ined Lea	aves (B9)	(excep	t	Water-	Stained Lea	aves (B9) (ML	RA 1, 2
High Wa	ter Table (A2)		MLRA	1, 2, 4A,	, and 4B)			4A,	and 4B)		
X Saturation	n (A3)		Salt Crust	(B11)				Draina	ge Patterns	(B10)	
Water Ma	arks (B1)		Aquatic In	vertebra	tes (B13)					Table (C2)	
Sedimen	t Deposits (B2)		Hydrogen	Sulfide (Odor (C1))		Satura	tion Visible	on Aerial Ima	gery (C9)
Drift Dep	osits (B3)		Oxidized F	Rhizosph	eres on L	iving R	oots (C3)	X Geomo	orphic Positi	ion (D2)	
	t or Crust (B4)		Presence		,	,			v Aquitard (-	
I —	osits (B5)		Recent Iro						eutral Test	` '	
	Soil Cracks (B6)		Stunted or			(D1) (LI	RR A)			ls (D6) (LRR A	A)
	on Visible on Aerial Ir	5 , .	· 	olain in F	Remarks)			Frost-F	leave Humr	mocks (D7)	
Sparsely	Vegetated Concave	Surface (B	8)								
Field Observ											
Surface Water		s <u>X</u>			inches): _						
Water Table		s			inches): _						
Saturation Pr		s <u>X</u>	No	Depth (i	inches): _	0	Wetland	d Hydrology	Present?	Yes X	No
(includes cap			-:	lbt			tions) if our	·ilabla.			
Describe Red	corded Data (stream	gauge, moi	illoring well, aeria	pnotos	, previous	nspec	uons), it ava	aliable:			
Remarks:											

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Project/Site: Post Creek Hill - US 93		City/Cou	nty: Lake		Sampling Date:	9-16-2024
Applicant/Owner: MDT				State: MT	Sampling Point:	WDP-14C-24
Investigator(s): B.Cline, F.Doty		Section, T	ownship, Ra	inge: S12 T19 R20V	V	
Landform (hillside, terrace, etc.): riparian		Local relief (co	oncave, conv	/ex, none): concave	e Slo	pe (%): 0-5
Subregion (LRR/MLRA): LRR E, MLRA 44A	Lat:	47.42437	79	Long: <u>-114.096308</u>	Datum:	NAD83
Soil Map Unit Name: Post-Ronan-Water complex, 21	· ·			<u>- </u>	assification: PEM1C	
Are climatic / hydrologic conditions on the site typical	for this time of	of vear?	Yes X	No (If no.	explain in Remarks.)	
Are Vegetation , Soil , or Hydrology				Circumstances" prese		lo
Are Vegetation, Soil, or Hydrology_				φlain any answers in		
SUMMARY OF FINDINGS – Attach site n	_				•	tures, etc.
Hydrophytic Vegetation Present? Yes X	No .	Is the	Sampled A	rea		
	No		n a Wetland		X No	
	No					
Remarks:		•				
VEGETATION – Use scientific names of	plants.					
Trace Charles (Districts 201	Absolute	Dominant	Indicator	Dominous Tost		
Tree Stratum (Plot size: 30') 1. Populus deltoides	% Cover 35	Species? Yes	Status FAC	Dominance Test		
2.		165	TAC	Number of Domina Are OBL, FACW, of	•	3 (A)
3.	-			Total Number of D	·	(/,/
4.	-			Across All Strata:	ommune opeolos	3 (B)
	35	=Total Cover		Percent of Domina	ant Species That	
Sapling/Shrub Stratum (Plot size: 30'	_)			Are OBL, FACW, o	or FAC: <u>1(</u>	00.0% (A/B)
Populus deltoides	25	Yes	FAC			
2.				Prevalence Index		
3.				Total % Cove		
5.				OBL species FACW species	0 x1= 0 x2=	0
J	25	=Total Cover		FAC species		225
Herb Stratum (Plot size: 30')				FACU species	0 x 4 =	0
1. Elymus trachycaulus	15	Yes	FAC	UPL species	0 x 5 =	0
2.				Column Totals:	75 (A)	225 (B)
3				Prevalence Inde	ex = B/A = 3.0	0
4.				Hadaaahada Waa	-4-41 In-all4	
5.					etation Indicators:	tation
6. 7.				X 2 - Dominance	for Hydrophytic Veget Test is >50%	auon
0	_			X 3 - Prevalence		
9.	_				cal Adaptations ¹ (Provi	de supportino
10	_				narks or on a separate	
11.				5 - Wetland No	on-Vascular Plants ¹	
	15	=Total Cover		Problematic H	lydrophytic Vegetation	¹ (Explain)
Woody Vine Stratum (Plot size: 30'	_)				ic soil and wetland hyd	
1.				be present, unless	disturbed or problema	atic.
2		-Total Carra		Hydrophytic		
% Bare Ground in Herb Stratum		=Total Cover		Vegetation Present? Y	/esXNo	
Remarks:				1		

SOIL Sampling Point: WDP-14C-24

Color (moist) Secondary Color (moist) Secondary Color (moist) Secondary Color (moist) Color (m	Profile Desci Depth	ription: (Describe t Matrix	to the dept		ıment tl x Featur		tor or o	confirm the	absence of	indicators.)		
0-5 10YR 3/2 Loamy/Clayey roots present 5-8 10YR 4/2 96 7.5YR 3/4 4 C M Loamy/Clayey Distinct redox concentrations **Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. **Location: PL=Pore Lining, M=Matrix, Plydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Histoso (A1) Loamy (Bartix, GS) Biack Histo (A3) Loamy (Bartix, GS) Biack Histo (A3) Loamy (Bartix, GS) Loamy Mucky Mineral (F1) (except MLRA 1) Loamy Mucky Mineral (F2) Depleted Matrix, (F3) Thick Dark Surface (A11) Loamy (Bartix, GS) Loamy (Bartix,			%				Loc ²	Tex	ture		Remarks	
8-18 10YR 3/2 Loamy/Clayey Distinct redox concentrations	0-5	10YR 3/2		, ,				Loamy/	/Clayey	ro	oots present	
8-16 10YR 4/2 96 7.5YR 3/4 4 C M Loamy/Clayey Distinct redox concentrations **Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains.** **Injune: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains.** **Injune: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains.** **Injune: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains.** **Injune: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains.** **Injune: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains.** **Injune: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains.** **Injune: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains.** **Injune: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains.** **Injune: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains.** **Injune: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains.** **Injune: C=Concentration, D=Depletion, RM=Reduced Reduced				_				1				
**Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. **Jocation: PL=Pore Lining, M=Matrix, Ptydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Histocol (A1) Sandy Gleyed Matrix (S4) Histoc Epipedon (A2) Sandy Redox (S5) Black Histic (A3) Hydrogen Stuffae (A4) Loamy Mucky Mileral (F1) (except MLRA 1) Yevry Shallow Sturfae (F22) 1 om Muck (A9) (LRR D, G) **Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mileral (F1) Sandy Mucky Mileral (F1) Sandy Mucky Mileral (F21) Sandy Mucky Mileral (F21) Sandy Mucky Mileral (F21) Sandy Mucky Mileral (F22) Thick Dark Surface (A12) Redox Dark Surface (F6) **Indicators of hydrophytic vegetation and welland hydrology must be present, unless disturbed or problematic. **Primary Indicators (Mileral F22) **Uptraction of the Mileral F22 (Mileral F22) **Primary Indicators (Mileral F22) **Uptraction of hydrophytic vegetation and welland hydrology must be present, unless disturbed or problematic. **Primary Indicators (Mileral F22) **Uptraction of hydrophytic vegetation and welland hydrology must be present, unless disturbed or problematic. **Primary Indicators (Mileral F22) **Uptraction of hydrophytic vegetation and welland hydrology must be present, unless disturbed or problematic. **Primary Indicators (Mileral F22) **Uptraction of hydrophytic vegetation and welland hydrology must be present, unless disturbed or problematic. **Primary Indicators (Mileral F22) **Uptraction of hydrophytic vegetation and welland hydrology must be present, unless disturbed or problematic. **Primary Indicators (Mileral F22) **Uptraction of hydrophytic vegetation and welland hydrology must be present, unless disturbed or problematic. **Primary Indicators (Mileral F22) **Uptraction of hydrophytic vegetation and welland hydrology Indicators (Mileral F22) **Uptraction of hydrophytic vegetation and welland hydrology Indicators (Mileral F22) **Uptraction of hydrophytic vegetation and welland hyd			96	7 5YR 3/4	4	<u> </u>	М			Distinct re	edox concen	trations
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Histocol (A1) Histocol (A2) Black Histic (A3) Stripped Matrix (S6) Hydrogen Sulfide (A4) Loamy Mucky Mineral (F1) (except MLRA 1) Thick Dark Surface (A11) Thick Dark Surface (A11) Thick Dark Surface (A11) Sandy Redox (S5) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Depleted Below Dark Surface (A11) Thick Dark Surface (A11) Depleted Matrix (F3) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Depleted Dark Surface (F6) Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) Secondary Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: Depth (inches): Depth (inches): Hydric Soil Present? Wetand Hydrology Indicators: Hydric Soil Present? Water-Stained Leaves (B9) (except MLRA 1, 2 44, and 4B) MIRA 1, 2, 44, and 4B) Water Table (A2) Mira A1, 2, 44, and 4B) Mira A1, 2, 44, and 4B) Mira Marks (B1) Aquatic Invertebrates (B13) Dry-Season Water (B10) Sediment Deposits (B2) Algal Mat or Crust (B4) Iron-Managanese Masses (F12) (LRR C) Recombination (C4) Iron-Marks (B1) Presence of Reduced Iron (C4) Iron-Marks (B1) Surface Water (B1) Presence of Reduced Iron (C4) Iron-Marks (B1) Surface Water (B1) Surface (B1) Frost-Heave Hummocks (D7) Saturation Present? Yes No No Depth (inches): Wettland Hydrology Present? Yes No No Depth (inches): Wettland Hydrology Present? Yes No No Depth (inches): Wettland Hydrology Present? Yes No Depth (inches):	0-10	1011(4/2		7.511074				Loanly	Olaycy	Distiller	COOX CONCCIN	trations
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Histocol (A1) Histocol (A2) Black Histic (A3) Stripped Matrix (S6) Hydrogen Sulfide (A4) Loamy Mucky Mineral (F1) (except MLRA 1) Thick Dark Surface (A11) Thick Dark Surface (A11) Thick Dark Surface (A11) Sandy Redox (S5) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Depleted Below Dark Surface (A11) Thick Dark Surface (A11) Depleted Matrix (F3) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Depleted Dark Surface (F6) Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) Secondary Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: Depth (inches): Depth (inches): Hydric Soil Present? Wetand Hydrology Indicators: Hydric Soil Present? Water-Stained Leaves (B9) (except MLRA 1, 2 44, and 4B) MIRA 1, 2, 44, and 4B) Water Table (A2) Mira A1, 2, 44, and 4B) Mira A1, 2, 44, and 4B) Mira Marks (B1) Aquatic Invertebrates (B13) Dry-Season Water (B10) Sediment Deposits (B2) Algal Mat or Crust (B4) Iron-Managanese Masses (F12) (LRR C) Recombination (C4) Iron-Marks (B1) Presence of Reduced Iron (C4) Iron-Marks (B1) Surface Water (B1) Presence of Reduced Iron (C4) Iron-Marks (B1) Surface Water (B1) Surface (B1) Frost-Heave Hummocks (D7) Saturation Present? Yes No No Depth (inches): Wettland Hydrology Present? Yes No No Depth (inches): Wettland Hydrology Present? Yes No No Depth (inches): Wettland Hydrology Present? Yes No Depth (inches):								-				
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Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Histocol (A1) Histocol (A2) Black Histic (A3) Stripped Matrix (S6) Hydrogen Sulfide (A4) Loamy Mucky Mineral (F1) (except MLRA 1) Thick Dark Surface (A11) Thick Dark Surface (A11) Thick Dark Surface (A11) Sandy Redox (S5) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Depleted Below Dark Surface (A11) Thick Dark Surface (A11) Depleted Matrix (F3) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Depleted Dark Surface (F6) Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) Secondary Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: Depth (inches): Depth (inches): Hydric Soil Present? Wetand Hydrology Indicators: Hydric Soil Present? Water-Stained Leaves (B9) (except MLRA 1, 2 44, and 4B) MIRA 1, 2, 44, and 4B) Water Table (A2) Mira A1, 2, 44, and 4B) Mira A1, 2, 44, and 4B) Mira Marks (B1) Aquatic Invertebrates (B13) Dry-Season Water (B10) Sediment Deposits (B2) Algal Mat or Crust (B4) Iron-Managanese Masses (F12) (LRR C) Recombination (C4) Iron-Marks (B1) Presence of Reduced Iron (C4) Iron-Marks (B1) Surface Water (B1) Presence of Reduced Iron (C4) Iron-Marks (B1) Surface Water (B1) Surface (B1) Frost-Heave Hummocks (D7) Saturation Present? Yes No No Depth (inches): Wettland Hydrology Present? Yes No No Depth (inches): Wettland Hydrology Present? Yes No No Depth (inches): Wettland Hydrology Present? Yes No Depth (inches):												
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Histocol (A1) Histocol (A2) Black Histic (A3) Stripped Matrix (S6) Hydrogen Sulfide (A4) Loamy Mucky Mineral (F1) (except MLRA 1) Thick Dark Surface (A11) Thick Dark Surface (A11) Thick Dark Surface (A11) Sandy Redox (S5) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Depleted Below Dark Surface (A11) Thick Dark Surface (A11) Depleted Matrix (F3) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Depleted Dark Surface (F6) Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) Secondary Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: Depth (inches): Depth (inches): Hydric Soil Present? Wetand Hydrology Indicators: Hydric Soil Present? Water-Stained Leaves (B9) (except MLRA 1, 2 44, and 4B) MIRA 1, 2, 44, and 4B) Water Table (A2) Mira A1, 2, 44, and 4B) Mira A1, 2, 44, and 4B) Mira Marks (B1) Aquatic Invertebrates (B13) Dry-Season Water (B10) Sediment Deposits (B2) Algal Mat or Crust (B4) Iron-Managanese Masses (F12) (LRR C) Recombination (C4) Iron-Marks (B1) Presence of Reduced Iron (C4) Iron-Marks (B1) Surface Water (B1) Presence of Reduced Iron (C4) Iron-Marks (B1) Surface Water (B1) Surface (B1) Frost-Heave Hummocks (D7) Saturation Present? Yes No No Depth (inches): Wettland Hydrology Present? Yes No No Depth (inches): Wettland Hydrology Present? Yes No No Depth (inches): Wettland Hydrology Present? Yes No Depth (inches):	1								2			
Histosol (A1) Sandy Gleyed Matrix (S4) 2 cm Muck (A10) (LRR A, E) Histo Epipedon (A2) Sandy Redox (S5) Inco-Manganese Masses (F12) (LRR D) Black Histo (A3) Stripped Matrix (S6) Inco-Manganese Masses (F12) (LRR D) Black Histo (A3) Very Shallow Dark Surface (F22) Other (Explain in Remarks) Very Shallow Dark Surface (F22) Other (Explain in Remarks) Other (Explain In Remark							oated S	and Grains.				
Histic Epipedon (A2) Black Histic (A3) Stripped Matrix (S6) Black Histic (A3) Stripped Matrix (F2) 1 cm Muck (A9) (LRR D, G) X Depleted Below Dark Surface (A11) September Matrix (F2) Depleted Below Dark Surface (A12) Sandy Mucky Mineral (F1) (except MLRA 1) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) September Matrix (F2) Depleted Dark Surface (A12) Sandy Mucky Mineral (S1) September Matrix (F2) Depleted Dark Surface (F6) Sindicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: Depth (inches): Primary Indicators (minimum of one is required; check all that apply) Surface Water (A1) Water Stained Leaves (B9) (except Hydrogens (A3) Water Table (A2) Saturation (A3) Water Marks (B1) Aquatic Invertebrates (B13) Diagrage Patterns (B10) Diry-Season Water Table (C2) Surface Sol Cracks (B6) Recent Iron Reduction in Tilled Solis (C6) Surface Sol Cracks (B6) Itron-Manganese Masses (F12) (LRR D) Red Parent Material (F21) Red Parent Material (F21) Red Parent Material (F21) Primary Indicators (A12) Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Water-Stained Leaves (B7) Water-Stained Leaves (B7) Water-Stained Leaves (B7) Water-Stained Leaves (B7) Water-Stained Leaves (B8) (except Hydrogens (B10) Water Marks (B1) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Agal Mat or Crust (B4) Presence of Reduced Iron (C4) Shallow Aguitard (D3) Fost-Heave Hummocks (D7) Field Observations: Surface Vater Present? Yes No X Depth (inches): Wetland Hydrology Present? Yes No X Depth (inches): Wetland Hydrology Present? Yes No No X Depth (inches): Wetland Hydrology Present? Yes No No X Depth (inches): Wetland Hydrology Present? Yes No No X Depth (inches): Wetland Hydrology Present? Yes No No X Depth (inches): Wetland Hydrology Present? Yes No No X Depth (in	-		DIE 10 all L								-	30115 .
Black Histic (A2)		,										I PP D)
Hydrogen Sulfide (A4)										-		LKK D)
1 cm Muck (A9) (LRR D, G) Loamy Gleyed Matrix (F2) Other (Explain in Remarks) X Depleted Below Dark Surface (A11) Depleted Matrix (F3) Thick Dark Surface (A12) Redox Dark Surface (F6) Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes No Remarks: HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one is required: check all that apply) Surface Water (A1) X Water-Stained Leaves (B9) (except High Water Table (A2) And 4B) Saturation (A3) Salt Crust (B11) Drainage Patterns (B10) Water Marks (B1) Aquatic Invertebrates (B13) Drainage Patterns (B10) Sediment Deposits (B2) Hydrogen Sulfide Odor (C1) Sediment Deposits (B3) Oxidized Rhizospheres on Living Roots (C3) X Geomorphic Position (D2) Algal Mat or Crust (B4) Presence of Reduced Iron (C4) Sparce Soil Cracks (B6) Surface (Water A) Research (Packs (B8) Sturate (D3) Sturface (B1) Sparce (D3) Sturface (B1) Sparce (D3) Sparce Soil Cracks (B6) Sturface (B1) Sparce (B1) Sp					`	,	excent	MIRA 1)			` ')
Depleted Below Dark Surface (A11)					-		олоорі	inition i)				,
Thick Dark Surface (A12) Redox Dark Surface (F6) Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) Redox Dark Surface (F7) Sandy Mucky Mineral (S1) Redox Depressions (F8) Unless disturbed or problematic. Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes X No Remarks: HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply) Secondary Indicators (2 or more required) Surface Water (A1) X Water-Stained Leaves (B9) (except High Water Table (A2) MLRA 1, 2, 4A, and 4B) Aquatic Invertebrates (B13) Drainage Patterns (B10) Saturation (A3) Sait Crust (B11) Drainage Patterns (B10) Drainage Patterns (B10) Drainage Patterns (B10) Drainage Patterns (B10) Sediment Deposits (B2) Hydrogen Sulfide Odor (C1) Saturation Visible on Aerial Imagery (C9) Algal Mat or Crust (B4) Presence of Reduced Iron (C4) Shallow Aquitard (D3) Iron Deposits (B5) Recent Iron Reduction in Tilled Soils (C6) FAC-Neutral Test (D5) Surface Soil Cracks (B6) Surface Soil Cracks (B6) Stunted or Stressed Plants (D1) (LRR A) Frost-Heave Hummocks (D7) Sparsely Vegetated Concave Surface (B8) Field Observations: Water Table Present? Yes No X Depth (inches): Wetland Hydrology Present? Yes No Entriched (Includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:			(A11)									
Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) wetland hydrology must be present, 2.5 cm Mucky Peat or Peat (S2) (LRR G) Redox Depressions (F8) unless disturbed or problematic. Restrictive Layer (if observed):			,		`	,			³ Indicators	of hydrophyti	c vegetation	and
Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Hydric Soil Present? Hydric Soil Present? Yes X No Remarks: Hydric Soil Present? Yes X No Hydric Soil Present? Yes X No Remarks: Hydric Soil Present? Yes X No Hydric Soil Present? Yes X No Hydric Soil Present? Yes X No Remarks: Hydric Soil Present? Yes X No Hydric Soil Present? Yes X No Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (except Water-Stained Leaves (B9) (mLRA 1, 2 44, and 4B) A4, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) X Drift Deposits (B3) Quidized Rhizospheres on Living Roots (C3) Algal Mat or Crust (B4) Presence of Reduced Iron (C4) Shallow Aquitard (D3) Iron Deposits (B5) Recent Iron Reduction in Tilled Soils (C6) FAC-Neutral Test (D5) Surface Soil Cracks (B6) Stunted or Stressed Plants (D1) (LRR A) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Frost-Heave Hummocks (D7) Sparsely Vegetated Concave Surface (B8) Wetland Hydrology Present? Yes No X Depth (inches): Water Table Present? Yes No X Depth (inches): Wetland Hydrology Present? Yes X No (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:											-	
Type: Depth (inches): Hydric Soil Present? Yes _ X _ No	2.5 cm M	lucky Peat or Peat (62) (LRR G	Redox Dep	ression	s (F8)			unless	disturbed or	problematic.	
Depth (inches):	Restrictive L	.ayer (if observed):										
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply) Surface Water (A1) High Water Table (A2) High Water Table (A2) Saturation (A3) Saturation (A3) Sediment Deposits (B1) Aquatic Invertebrates (B13) Depth (Inc Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water (Present? Yes No X Depth (Inches): Wetland Hydrology Present? Yes No X Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	Type:											
Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply) Surface Water (A1) Surface Water (A1) Saturation (A3) Salt Crust (B11) Water Marks (B1) Sediment Deposits (B2) Hydrogen Sulfide Odor (C1) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Surface Soil Cracks (B6) Suturation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water (Present? Yes No x Depth (inches): Secondary Indicators (2 or more required) Water -Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Saturation Visible on Aerial Imagery (C9) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Yes No x Depth (inches): Suturation Present? Yes No x Depth (inches): Saturation Present? Yes No x Depth (inches): Saturation Present? Yes No x Depth (inches): Metland Hydrology Present? Yes No (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	Depth (in	ches):		_				Hydric So	oil Present?		Yes X	No
Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply) Secondary Indicators (2 or more required) Surface Water (A1) x Water-Stained Leaves (B9) (except Water-Stained Leaves (B9) (MLRA 1, 2 High Water Table (A2) MLRA 1, 2, 4A, and 4B) 4A, and 4B) Saturation (A3) Salt Crust (B11) Drainage Patterns (B10) Water Marks (B1) Aquatic Invertebrates (B13) Drainage Patterns (B10) Water Marks (B1) Aquatic Invertebrates (B13) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) X Drift Deposits (B3) Oxidized Rhizospheres on Living Roots (C3) X Geomorphic Position (D2) Algal Mat or Crust (B4) Presence of Reduced Iron (C4) Shallow Aquitard (D3) Iron Deposits (B5) Recent Iron Reduction in Tilled Soils (C6) FAC-Neutral Test (D5) Surface Soil Cracks (B6) Stunted or Stressed Plants (D1) (LRR A) Raised Ant Mounds (D6) (LRR A) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Frost-Heave Hummocks (D7)	Remarks:											
Primary Indicators (minimum of one is required; check all that apply) Secondary Indicators (2 or more required) Surface Water (A1) High Water Table (A2) MIRA 1, 2, 4A, and 4B) Saturation (A3) Salt Crust (B11) Water Marks (B1) Sediment Deposits (B2) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Surface Soil Cracks (B6) Surface Soil Cracks (B6) Surface Soil Cracks (B6) Surface Water Present? Yes No X Depth (inches): Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2 Water Table Passon Water Table (C2) Saturation Visible on Aerial Imagery (C9) Oxidized Rhizospheres on Living Roots (C3) X Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Frost-Heave Hummocks (D7) Sparsely Vegetated Concave Surface (B8) Frost-Heave Hummocks (D7) Water Table Present? Yes No X Depth (inches): Wetland Hydrology Present? Yes X No (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	HYDROLO	GY										
Surface Water (A1)	Wetland Hyd	Irology Indicators:										
High Water Table (A2) Saturation (A3) Salt Crust (B11) Drainage Patterns (B10) Dray-Season Water Table (C2) Sediment Deposits (B2) Hydrogen Sulfide Odor (C1) Saturation Visible on Aerial Imagery (C9) X Drift Deposits (B3) Oxidized Rhizospheres on Living Roots (C3) Iron Deposits (B5) Recent Iron Reduction in Tilled Soils (C6) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Yes No X Depth (inches): Water Table (A2) MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Saturation (C3) X Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Face-Neutral Test (D5) Frost-Heave Hummocks (D7) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Yes No X Depth (inches): Wetland Hydrology Present? Yes X No (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	Primary Indic	ators (minimum of o	ne is require	ed; check all that a	apply)				Secondary	Indicators (2	or more requ	uired)
Saturation (A3)	Surface \	Water (A1)		<u>x</u> Water-Stai	ned Lea	ives (B9)	(excep	t	Water-	Stained Leav	es (B9) (ML I	RA 1, 2
Water Marks (B1)	High Wat	ter Table (A2)				and 4B)			4A,	and 4B)		
Sediment Deposits (B2)					. ,					-		
X Drift Deposits (B3)												
Algal Mat or Crust (B4)								. (00)			-	gery (C9)
Iron Deposits (B5) Recent Iron Reduction in Tilled Soils (C6) FAC-Neutral Test (D5) Surface Soil Cracks (B6) Stunted or Stressed Plants (D1) (LRR A) Raised Ant Mounds (D6) (LRR A) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Frost-Heave Hummocks (D7) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Yes No x Depth (inches): Water Table Present? Yes No x Depth (inches): Saturation Present? Yes No x Depth (inches): Wetland Hydrology Present? Yes X No (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:							•	oots (C3)		•	` '	
Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Water Table Present? Yes No X Depth (inches): Saturation Present? Yes No X Depth (inches): Wetland Hydrology Present? Yes X No (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:		, ,				,	,	lc (C6)			-	
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Frost-Heave Hummocks (D7) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Yes No x Depth (inches): Water Table Present? Yes No x Depth (inches): Saturation Present? Yes No x Depth (inches): Wetland Hydrology Present? Yes X No (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:											-	1 1
Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Yes		` '	magery (B7)				(01) (IXIX A)				•)
Field Observations: Surface Water Present? Yes No x Depth (inches): Water Table Present? Yes No x Depth (inches): Saturation Present? Yes No x Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:			0 , ,		ium m	(ciriarito)				icave mainin	ooko (B1)	
Surface Water Present? Yes No x Depth (inches): Water Table Present? Yes No x Depth (inches): Saturation Present? Yes No x Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	<u> </u>		`	- /				1				
Water Table Present? Yes No x Depth (inches): Saturation Present? Yes No x Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:			s	No x	Depth (i	nches):						
Saturation Present? Yes No x Depth (inches): Wetland Hydrology Present? Yes X No (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	Water Table					· -						
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	Saturation Pr	esent? Ye	s			_		Wetlan	d Hydrology	Present?	Yes X	No
	(includes cap	illary fringe)	·			_					<u></u>	•
Remarks:	Describe Rec	corded Data (stream	gauge, mor	nitoring well, aerial	photos	, previous	inspec	ctions), if ava	ailable:			
	Remarks:											

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Project/Site: Post Creek Hill - US 93		City/Cour	nty: Lake	•	Sampling Date:	9-16-2024
Applicant/Owner: MDT				State: MT	Sampling Point:	WDP-14D-24
Investigator(s): B.Cline, F.Doty		Section, T	ownship, Rai	nge: S12 T19 R20W		
Landform (hillside, terrace, etc.): field		Local relief (co	oncave, conv	ex, none): <u>flat</u>	Slo	pe (%): <u>0-5</u>
Subregion (LRR/MLRA): LRR E, MLRA 44A	Lat:	47.42448	39 L	ong: <u>-114.096429</u>	Datum:	NAD83
Soil Map Unit Name: Post-Ronan-Water complex, 2 to	to 8 percent slo	opes		NWI classi	fication: PEM1C	
Are climatic / hydrologic conditions on the site typical	for this time o	f year?	Yes X	No (If no, exp	olain in Remarks.)	
Are Vegetation, Soil, or Hydrology	significantly of	disturbed? A	re "Normal C	ircumstances" present?	Yes X N	lo
Are Vegetation, Soil, or Hydrology	naturally prol	olematic? (I	f needed, ex	olain any answers in Rei	narks.)	
SUMMARY OF FINDINGS - Attach site n	nap showin	ıg samplinç	g point lo	ations, transects,	important feat	tures, etc.
Hydrophytic Vegetation Present? Yes X	No	Is the	Sampled A	rea		
	No		n a Wetland		No	
	No					
Remarks:						
NECETATION III a colombific marros of						
VEGETATION – Use scientific names of	Absolute	Dominant	Indicator			
Tree Stratum (Plot size: 30')	% Cover	Species?	Status	Dominance Test wor	ksheet:	
1				Number of Dominant	•	
2.				Are OBL, FACW, or F		2 (A)
3.				Total Number of Dom Across All Strata:	inant Species	2 (B)
4		=Total Cover		Percent of Dominant	Species That	2 (B)
Sapling/Shrub Stratum (Plot size: 30')			Are OBL, FACW, or F		00.0% (A/B)
1	- 					
2				Prevalence Index wo		
3.				Total % Cover of	·	
5.				· -	0 x 1 =	100
o		=Total Cover			x3=	0
Herb Stratum (Plot size: 30')				· -	x 4 =	0
Polygonum lapathifolium	15	No	FACW) x 5 =	0
2. Typha latifolia	30	Yes	OBL			130 (B)
Mentha arvensis Phalaris arundinacea		No Yes	FACW FACW	Prevalence Index	= B/A = <u>1.6</u>	3
5.		163	TACV	Hydrophytic Vegetat	ion Indicators:	
6.					Hydrophytic Veget	tation
7.				X 2 - Dominance Te	est is >50%	
8.				X 3 - Prevalence Inc		
9.					Adaptations ¹ (Provi s or on a separate	
10 11.				5 - Wetland Non-		Silect)
''' 	80	=Total Cover			ophytic Vegetation	¹ (Explain)
Woody Vine Stratum (Plot size: 30')			¹ Indicators of hydric s	-	
1	_			be present, unless dis		
2				Hydrophytic		
% Bare Ground in Herb Stratum		=Total Cover		Vegetation Present? Yes	Y No	
				rieseiit: 165	X No	
Remarks:						

SOIL Sampling Point: WDP-14D-24

Profile Desc Depth	cription: (Describe t Matrix	o the dept		iment th x Featur		tor or o	confirm the ab	sence (of indicators.)		
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	9		Remarks	
0-6	10YR 3/2	100	, /		71		Loamy/Cla		r	oots present	
6-16	10YR 6/2	96	10YR 6/6	4		M	Loamy/Cla		Prominent redo	•	s: 10 % gravel
0-10	10111 0/2	30	10111 0/0	4		IVI	Loamy/Gla	лусу	Fromment redo:	A CONCENTRATIONS	s, 10 % graver
							-				
							1				
											
	oncentration, D=Depl					oated S			ation: PL=Pore		
	Indicators: (Application)	ble to all L					In		rs for Problem	-	Soils":
Histosol	` '		Sandy Gle		rix (S4)		_	_	Muck (A10) (L		
	oipedon (A2)		Sandy Red		2)		_	_	Manganese Ma Darant Mataria		LKK D)
	stic (A3)		Stripped M	,	,	(0×00=	MI DA 4\	_	Parent Materia	` '	١
	n Sulfide (A4) ick (A9) (LRR D, G)		Loamy Mu Loamy Gle	-		(except	WILKA 1)		Shallow Dark S r (Explain in Re)
	d Below Dark Surface	(A11)	Depleted N	•	, ,		_	_ 01116	ı (⊏∧pıaııı III Re	Jiliaino)	
	ark Surface (A12)	(****)	Redox Dar	,	,		311	ndicator	rs of hydrophyt	ic vegetation	and
	lucky Mineral (S1)		Depleted D				.,		and hydrology n	_	
	Ոսշեy Peat or Peat (Տ	(LRR G			, ,				ss disturbed or		,
	Layer (if observed):	<u> </u>									
Type:	<u>, </u>										
Depth (i	nches):						Hydric Soil	Presen	t?	Yes X	No
Remarks:											
HYDROLO)GY										
	drology Indicators:										
_	cators (minimum of o	ne is reauir	ed: check all that a	(vlgg			s	econda	ry Indicators (2	or more real	uired)
	Water (A1)	. 2 . 3 1 3 Yuli	x Water-Stai		ves (B9)	(excep			er-Stained Leav	-	
	ater Table (A2)				and 4B)		_	_	A, and 4B)	- (-0) (IIIEI	·, -
Saturation			Salt Crust		,				nage Patterns (B10)	
	larks (B1)		Aquatic Inv		es (B13)				Season Water [`]		
Sedimer	nt Deposits (B2)		Hydrogen \$					Satu	ration Visible o	n Aerial Imag	jery (C9)
Drift Dep	oosits (B3)		Oxidized R			•	oots (C3)	_	morphic Positio	, ,	
	at or Crust (B4)		Presence of				_		ow Aquitard (D	•	
	oosits (B5)		Recent Iron					_	-Neutral Test ([•	
	Soil Cracks (B6)		Stunted or			(D1) (LI	RR A)	_	ed Ant Mounds		A)
	on Visible on Aerial Ir	0 , (/ 	lain in R	temarks)		_	Frost	t-Heave Humm	ocks (D7)	
_	/ Vegetated Concave	Surface (B	8)								
Field Obser			NI.	D. " "	ar ala - N						
Surface Wat				Depth (i	· -						
Water Table				Depth (i	· -		Motlond	ludrolo	av Propost?	Voc V	No
Saturation P		<u> </u>	No <u>x</u>	Depth (i	nches): _		vveuana H	yurolo	gy Present?	162 <u>Y</u>	No
(includes ca	corded Data (stream	dalide mo	nitoring well serial	nhotos	nrevious	sineneo	tions) if availa	hle:			
Describe Ne	corded Data (Stream	gauge, mo	mioning well, aerial	priotos,	previous	s mapec	dioris), ii avalla	DIG.			
Remarks:											
1											

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Project/Site: Post Creek Hill - US 93		City/Cour	nty: <u>Lake</u>	•	Sampling Date:	9-17-2024
Applicant/Owner: MDT				State: MT	Sampling Point:	WDP-15-24
Investigator(s): B.Cline, F.Doty		Section, T	ownship, Ra	nge: S11 T19 R20W		
Landform (hillside, terrace, etc.): pothole and roadside	ditch	Local relief (co	oncave, conv	ex, none): <u>concave</u>	Slo	pe (%): <u>0-5</u>
Subregion (LRR/MLRA): LRR E, MLRA 44A	Lat:	47.42391	1	_ong: <u>-114.097058</u>	Datum:	NAD83
Soil Map Unit Name: Post-Ronan-Water complex, 2 to	8 percent slo	opes		NWI classi	fication: none	
Are climatic / hydrologic conditions on the site typical for	or this time o	f year?	Yes X	No (If no, exp	olain in Remarks.)	
Are Vegetation, Soil, or Hydrology	significantly o	disturbed? A	re "Normal C	Circumstances" present?	Yes X N	lo
Are Vegetation, Soil, or Hydrology	naturally prob	olematic? (I	f needed, ex	plain any answers in Rer	narks.)	
SUMMARY OF FINDINGS – Attach site ma	ap showin	ıg samplinç	g point lo	cations, transects,	important feat	tures, etc.
Hydrophytic Vegetation Present? Yes X N	0	Is the	Sampled A	rea		
Hydric Soil Present? Yes X N	o <u> </u>		n a Wetland		No	
Wetland Hydrology Present? Yes X N	o					
Remarks:						
VEGETATION – Use scientific names of p	lants.					
·	Absolute	Dominant	Indicator			
Tree Stratum (Plot size: 30')	% Cover	Species?	Status	Dominance Test wor	ksheet:	
1. 2.				Number of Dominant Are OBL, FACW, or F	•	3 (A)
3.				Total Number of Dom		<u> </u>
4.				Across All Strata:	mant opecies	3 (B)
		=Total Cover		Percent of Dominant		
Sapling/Shrub Stratum (Plot size: 30')			Are OBL, FACW, or F	AC: <u>10</u>	00.0% (A/B)
1 2.				Prevalence Index wo	rkshoot:	
3.				Total % Cover of		y by:
4.					5 x 1 =	25
5					5 x 2 =	90
Hart Otatan (District		=Total Cover		<u></u>	x 3 =	0
Herb Stratum (Plot size: 30') 1. Typha latifolia	25	Yes	OBL) x4=) x5=	0
2. Juncus balticus	25	Yes	FACW	·		115 (B)
3. Phalaris arundinacea	20	Yes	FACW	Prevalence Index	= B/A = 1.6	
4.						
5.				Hydrophytic Vegetat		tation
6 7.				X 2 - Dominance Te	Hydrophytic Vegetest is >50%	lalion
8.				X 3 - Prevalence Inc		
9.					Adaptations ¹ (Provi	
10					s or on a separate	sheet)
11	70	=Total Cover		5 - Wetland Non-\	√ascular Plants ˈ ophytic Vegetation ̈	¹ (Evolain)
Woody Vine Stratum (Plot size: 30')	- Total Cover		¹ Indicators of hydric s	· ·	
1	,			be present, unless dis		
2.				Hydrophytic		
W.D. G. H. H. J. G.		=Total Cover		Vegetation		
% Bare Ground in Herb Stratum				Present? Yes	X No	_
Remarks:						

SOIL Sampling Point: WDP-15-24

		o the depth				tor or o	confirm the absence	of indicators.)
Depth	Matrix			x Featur		. 2	_	
(inches)	Color (moist)	<u>%</u>	Color (moist)	<u>%</u>	Type ¹	Loc ²	Texture	Remarks
0-4	10YR 2/1	96	7.5YR 4/6	4	<u>C</u>	M		roots present
4-18	10YR 4/2	40	7.5YR 4/6	20	D	PL		40% 10YR 2/1
			_					
,								
¹ Type: C=Co	ncentration, D=Depl	etion RM=R	educed Matrix (CS=Cove	ered or Co	nated S	and Grains ² Loca	ation: PL=Pore Lining, M=Matrix.
	ndicators: (Applica					Jaiou C		rs for Problematic Hydric Soils ³ :
Histosol (Sandy Gle					Muck (A10) (LRR A, E)
	pedon (A2)		Sandy Re	-				Manganese Masses (F12) (LRR D)
Black His			Stripped N					Parent Material (F21)
Hydroger	Sulfide (A4)		Loamy Mu	•	•	(except	MLRA 1) Very	Shallow Dark Surface (F22)
1 cm Mud	ck (A9) (LRR D, G)		Loamy Gle	eyed Mat	trix (F2)		Othe	r (Explain in Remarks)
Depleted	Below Dark Surface	(A11)	Depleted I	Matrix (F	3)			
Thick Dai	rk Surface (A12)		x Redox Da	rk Surfac	e (F6)		³ Indicato	rs of hydrophytic vegetation and
	ucky Mineral (S1)		Depleted [and hydrology must be present,
2.5 cm M	ucky Peat or Peat (S2) (LRR G)	Redox De	pression	s (F8)		unles	ss disturbed or problematic.
	ayer (if observed):							
Type:			_					
Depth (in	ches):		_				Hydric Soil Presen	t? Yes <u>X</u> No
Remarks:								
HYDROLO	GY							
	rology Indicators:							
-	ators (minimum of o	ne is require	d check all that	annly)			Seconda	ry Indicators (2 or more required)
	Vater (A1)	no io regaire	Water-Sta		ves (B9)	(excep		er-Stained Leaves (B9) (MLRA 1, 2
	er Table (A2)				and 4B)	•		A, and 4B)
Saturation			Salt Crust		,			nage Patterns (B10)
Water Ma	, ,		Aquatic In	vertebrat	tes (B13)			Season Water Table (C2)
Sediment	Deposits (B2)		Hydrogen	Sulfide (Odor (C1))	Satu	ration Visible on Aerial Imagery (C9)
Drift Depo	osits (B3)		Oxidized F	Rhizosph	eres on L	iving R	oots (C3) x Geor	morphic Position (D2)
	or Crust (B4)		Presence		,	,		ow Aquitard (D3)
Iron Depo			Recent Iro					-Neutral Test (D5)
	Soil Cracks (B6)	(5-1)	Stunted or			(D1) (L l		ed Ant Mounds (D6) (LRR A)
	n Visible on Aerial Ir	0 , (,	Other (Exp	olain in H	(emarks)		Frost	t-Heave Hummocks (D7)
_ ` `	Vegetated Concave	Surface (Do)				T	
Field Observ		_	Nia v	Danth (
Surface Wate Water Table I			No x	. ,	nches): _			
Saturation Pro		s	No <u>x</u> No x		nches): _ nches):		Wetland Hydrolo	gy Present? Yes X No
(includes cap		<u> </u>	110 <u>X</u>	Dopui (i			Wedana Hydrolo	gy 1 1050m: 105 <u>X</u> NO
	orded Data (stream	gauge, mon	itoring well, aeria	l photos	, previous	sinspec	tions), if available:	
Remarks:								

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Project/Site: Post Creek Hill - US 93	•	City/Cour	nty: Lake	•	Sampling Date:	9-17-2024
Applicant/Owner: MDT				State: MT	Sampling Point:	WDP-16B-24
Investigator(s): B.Cline, F.Doty		Section, T	ownship, Ra	nge: S11 T19 R20W		
Landform (hillside, terrace, etc.): pothole		Local relief (co	oncave, conv	ex, none): concave	Slo	pe (%): <u>0-5</u>
Subregion (LRR/MLRA): LRR E, MLRA 44A	Lat:	47.42794	5	Long: <u>-114.097491</u>	Datum:	NAD83
Soil Map Unit Name: Post-Ronan-Water complex, 2 to	o 8 percent sl	opes		NWI classi	fication: PEM1F	
Are climatic / hydrologic conditions on the site typical	for this time o	f year?	Yes X	No (If no, exp	olain in Remarks.)	
Are Vegetation, Soil, or Hydrology	significantly	disturbed? A	re "Normal C	Circumstances" present?	Yes X N	lo
Are Vegetation, Soil, or Hydrology	naturally prol	olematic? (I	f needed, ex	plain any answers in Rer	marks.)	
SUMMARY OF FINDINGS – Attach site m	ap showir	ıg sampling	g point lo	cations, transects,	important feat	tures, etc.
Hydrophytic Vegetation Present? Yes X	No	Is the	Sampled A	rea		
	No		n a Wetland		No	
	No					
Remarks:		•				
\						
VEGETATION – Use scientific names of	Absolute	Dominant	Indicator	Г		
<u>Tree Stratum</u> (Plot size: 30')	% Cover	Species?	Status	Dominance Test wor	ksheet:	
1				Number of Dominant	Species That	
2.				Are OBL, FACW, or F	AC:	3 (A)
3.	- ——			Total Number of Dom	inant Species	0 (D)
4		=Total Cover		Across All Strata:		<u>3</u> (B)
Sapling/Shrub Stratum (Plot size: 30')	Total Gover		Percent of Dominant S Are OBL, FACW, or F		00.0% (A/B)
1.						``
2				Prevalence Index wo		
3.				Total % Cover of		
4 5.				· -	0 x1= 5 x2=	90
J		=Total Cover			x3=	0
Herb Stratum (Plot size: 30')) x 4 =	0
Typha latifolia	30	Yes	OBL	UPL species () x 5 =	0
2. Juncus balticus	25	Yes	FACW		` ′	120 (B)
3. Phalaris arundinacea	20	Yes	FACW	Prevalence Index	= B/A = <u>1.6</u>	0
4 5.	· ——			Hydrophytic Vegetat	ion Indicators:	
6.					Hydrophytic Veget	tation
7.				X 2 - Dominance Te		
8				X 3 - Prevalence Inc		
9					Adaptations ¹ (Provi s or on a separate	
10				5 - Wetland Non-		sileet)
11	75	=Total Cover			ophytic Vegetation	¹ (Explain)
Woody Vine Stratum (Plot size: 30')			¹ Indicators of hydric se		
1.	• •			be present, unless dis		
2.				Hydrophytic		
% Raro Ground in Horb Stratum		=Total Cover		Vegetation	Y No	
% Bare Ground in Herb Stratum				Present? Yes	No	_
Remarks:						

SOIL Sampling Point: WDP-16B-24

Profile Desc Depth	cription: (Describe t Matrix	o the dept		ument the x Feature		tor or o	confirm the absence	of indicators.)
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-4	10YR 2/1	96	7.5YR 4/6	4	C	М		roots present
4-18	10YR 4/2	40	7.5YR 4/6	20	D	PL		40% 10YR 2/1
4-10	10111 4/2	40	1.511\4/0			FL		40 /0 TOTIX Z/T
								-
• •	oncentration, D=Depl					oated S		eation: PL=Pore Lining, M=Matrix.
	Indicators: (Applical	ole to all L						ors for Problematic Hydric Soils ³ :
Histosol	` '		Sandy Gle	•	rıx (S4)			n Muck (A10) (LRR A, E)
	oipedon (A2)		Sandy Red		.,			-Manganese Masses (F12) (LRR D)
Black Hi	` '		Stripped M	-	-	(0×00=		Parent Material (F21)
	n Sulfide (A4) ick (A9) (LRR D, G)		Loamy Mu Loamy Gle	-		(except		/ Shallow Dark Surface (F22) er (Explain in Remarks)
	d Below Dark Surface	(A11)	Depleted N	•	, ,			o (⊏vhiaii iii iveillaive)
	ark Surface (A12)	(****)	x Redox Dai	`	,		³ Indicato	ors of hydrophytic vegetation and
	lucky Mineral (S1)		Depleted [and hydrology must be present,
	/lucky Peat or Peat (S	(LRR G			, ,			ss disturbed or problematic.
	Layer (if observed):	<u> </u>	<u> </u>					·
Type:	<u> </u>		_					
Depth (in	nches):		<u> </u>				Hydric Soil Preser	nt? Yes X No
Remarks:								
HYDROLC)GY							
	drology Indicators:							
_	cators (minimum of or	ne is require	ed; check all that	apply)			Seconda	ary Indicators (2 or more required)
-	Water (A1)		Water-Sta		ves (B9)	(excep		er-Stained Leaves (B9) (MLRA 1, 2
	iter Table (A2)			1, 2, 4A,				A, and 4B)
Saturation			Salt Crust		,			nage Patterns (B10)
Water M	arks (B1)		Aquatic In	vertebrat	es (B13)		Dry-	Season Water Table (C2)
Sedimer	nt Deposits (B2)		Hydrogen	Sulfide C	Odor (C1))	Satu	ıration Visible on Aerial Imagery (C9)
	oosits (B3)		X Oxidized F			•	` '	morphic Position (D2)
	it or Crust (B4)		Presence					llow Aquitard (D3)
	osits (B5)		Recent Iro				` '	C-Neutral Test (D5)
	Soil Cracks (B6)	. ==	Stunted or			(D1) (LI	· —	sed Ant Mounds (D6) (LRR A)
	on Visible on Aerial In	0 , ,		olain in R	emarks)		Fros	st-Heave Hummocks (D7)
	Vegetated Concave	Surface (B	8)					
Field Obser		_	No	Don't /	n oh = - \			
Surface Wat			No x	Depth (in	· -			
Water Table Saturation P			No x	Depth (in	_		Wetland Hydrolo	ngy Present? Ves Y No
(includes cap		`—	No <u>x</u>	Depth (i	11011 0 8)		vveuanu nyuroid	ogy Present? Yes X No
	corded Data (stream	naune mor	nitoring well aeria	l photos	previous	sinspec	tions) if available	
Describe IVE	oorded Data (Stream)	gaage, moi	morning wen, aena	, priotos,	provious	, mapec	uonoj, ii avaliabic.	
Remarks:								

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Project/Site: Post Creek Hill - US 93		City/Cour	nty: Lake	•	Sampling Date:	9-16-2024
Applicant/Owner: MDT				State: MT	Sampling Point:	WDP-16D-24(1)
Investigator(s): B.Cline, F.Doty		Section, T	ownship, Rai	nge: S12 T19 R20W		
Landform (hillside, terrace, etc.): fringe wetland		Local relief (co	oncave, conv	ex, none): concave	Slo	pe (%): <u>0-5</u>
Subregion (LRR/MLRA): LRR E, MLRA 44A	Lat:	47.42649)1 L	ong: <u>-114.096627</u>	Datum:	NAD93
Soil Map Unit Name: Post-Ronan-Water complex, 2 t	o 8 percent slo	opes		NWI classi	fication: R3UBFx	
Are climatic / hydrologic conditions on the site typical	for this time o	f year?	Yes X	No (If no, exp	olain in Remarks.)	
Are Vegetation, Soil, or Hydrology	significantly	disturbed? A	re "Normal C	ircumstances" present?	Yes X N	lo
Are Vegetation, Soil, or Hydrology	naturally prol	olematic? (I	f needed, ex	olain any answers in Rei	marks.)	
SUMMARY OF FINDINGS - Attach site m	nap showin	ıg samplinç	g point lo	ations, transects,	important feat	tures, etc.
Hydrophytic Vegetation Present? Yes X I	No	Is the	Sampled A	rea		
	No		n a Wetland		No	
	No					
Remarks:						
VECTATION Has a significant and a state of						
VEGETATION – Use scientific names of	Absolute	Dominant	Indicator			
Tree Stratum (Plot size: 30')	% Cover	Species?	Status	Dominance Test wor	ksheet:	
1				Number of Dominant	•	
2.				Are OBL, FACW, or F		2 (A)
3.				Total Number of Dom Across All Strata:	inant Species	2 (B)
4		=Total Cover		Percent of Dominant	Species That	2 (B)
Sapling/Shrub Stratum (Plot size: 30')			Are OBL, FACW, or F	•	00.0% (A/B)
1	- 					
2				Prevalence Index wo		
3.				Total % Cover of		
5.				· -	5 x1= 5 x2=	70
o		=Total Cover			x3=	0
Herb Stratum (Plot size: 30')				· -) x 4 =	0
1. Juncus balticus	25	Yes	FACW) x 5 =	0
2. Typha latifolia	10	No	OBL		0 (A)	95 (B)
Eleocharis palustris Epilobium ciliatum	15	Yes No	FACW	Prevalence Index	= B/A = <u>1.5</u>	8
5.		140	TACVI	Hydrophytic Vegetat	ion Indicators:	
6.					Hydrophytic Vege	tation
7.				X 2 - Dominance Te	est is >50%	
8				X 3 - Prevalence Inc		
9.					Adaptations ¹ (Provi s or on a separate	
10 11.				5 - Wetland Non-		Silect)
''' 	60	=Total Cover			ophytic Vegetation	¹ (Explain)
Woody Vine Stratum (Plot size: 30'				¹ Indicators of hydric s		
1				be present, unless dis		
2				Hydrophytic		
% Bare Ground in Herb Stratum		=Total Cover		Vegetation Present? Yes	X No	
				rieseiit: 165	<u>X</u> No	
Remarks:						

SOIL Sampling Point: WDP-16D-24(1)

Depth	Matrix		Redox	(Featur	es				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Tex	ture	Remarks
0-6	10YR 3/2						Loamy/		roots present
6-16	10YR 6/2	96	10YR 6/6	4	С	M	Loamy/		Prominent redox concentrations; 10% gravels
	10111 0/2		10111 0/0		<u> </u>		Loaniyi	Olayoy	Trommont rodox concentratione, To 70 graveto
			_				-		
			-				-		,
									,
			_						
	ncentration, D=Depl					oated S	and Grains.		tion: PL=Pore Lining, M=Matrix.
_	ndicators: (Applica	ble to all I							s for Problematic Hydric Soils ³ :
Histosol (A	,		Sandy Gley		ix (S4)				Muck (A10) (LRR A, E)
	pedon (A2)		Sandy Red						Manganese Masses (F12) (LRR D)
Black Hist	` '		Stripped Ma	`	,				Parent Material (F21)
	Sulfide (A4)		Loamy Mud	-		(except	MLRA 1)		Shallow Dark Surface (F22)
	k (A9) (LRR D, G)		Loamy Gle					Other	(Explain in Remarks)
	Below Dark Surface	e (A11)	Depleted M	,	,			2	
	k Surface (A12)		Redox Dark						s of hydrophytic vegetation and
	ıcky Mineral (S1)		Depleted D)			nd hydrology must be present,
	ucky Peat or Peat (Redox Dep	ressions	s (F8)			unles	s disturbed or problematic.
	ayer (if observed):								
Type:									
Depth (inc	ches):		<u> </u>				Hydric So	oil Present	? Yes X No
Remarks:									
I									
HYDROLOG									
Wetland Hydr	rology Indicators:								
Wetland Hydr Primary Indica	rology Indicators: ators (minimum of o	ne is requi			(70)				y Indicators (2 or more required)
Wetland Hydr Primary Indica x Surface W	rology Indicators: ators (minimum of o Vater (A1)	ne is requi	Water-Stair	ned Lea	, ,		t	Wate	r-Stained Leaves (B9) (MLRA 1, 2
Wetland Hydromary Indica x Surface Working High Water	rology Indicators: ators (minimum of o Vater (A1) er Table (A2)	ne is requi	Water-Stair	ned Lea , 2 , 4A ,	, ,		t	Wate	r-Stained Leaves (B9) (MLRA 1, 2 A, and 4B)
Wetland Hydromary Indica x Surface Working High Water x Saturation	rology Indicators: ators (minimum of o Vater (A1) er Table (A2) n (A3)	ne is requi	Water-Stair MLRA 1 Salt Crust (ned Lea , 2, 4A, B11)	and 4B))	t	Wate 4/	r-Stained Leaves (B9) (MLRA 1, 2 A, and 4B) age Patterns (B10)
Wetland Hydr Primary Indica x Surface W High Wate x Saturation Water Male	rology Indicators: ators (minimum of o Vater (A1) er Table (A2) n (A3) urks (B1)	ne is requi	Water-Stair MLRA 1 Salt Crust (Aquatic Inv	ned Lea , 2, 4A, B11) ertebrat	and 4B) es (B13)		t	Wate 44 Drain Dry-S	r-Stained Leaves (B9) (MLRA 1, 2 A, and 4B) age Patterns (B10) season Water Table (C2)
Wetland Hydr Primary Indica x Surface W High Wate x Saturation Water Mai Sediment	rology Indicators: ators (minimum of o Vater (A1) er Table (A2) in (A3) urks (B1) Deposits (B2)	ne is requi	Water-Stair MLRA 1 Salt Crust (Aquatic Inv	ned Lea , 2, 4A, B11) ertebrat Sulfide C	and 4B) es (B13) Odor (C1))		Wate 44 Drain Dry-S Satur	r-Stained Leaves (B9) (MLRA 1, 2 A, and 4B) age Patterns (B10) season Water Table (C2) ation Visible on Aerial Imagery (C9)
Wetland Hydr Primary Indica x Surface W High Wate x Saturation Water Man Sediment X Drift Depo	rology Indicators: ators (minimum of o Vater (A1) er Table (A2) n (A3) urks (B1) Deposits (B2) osits (B3)	ne is requi	Water-Stair MLRA 1 Salt Crust (Aquatic Inv Hydrogen S Oxidized R	ned Lea , 2, 4A , B11) ertebrat Sulfide C	and 4B) es (B13) odor (C1) eres on l)) Living R		Wate 4/4 Drain Dry-S Satur X Geon	r-Stained Leaves (B9) (MLRA 1, 2 A, and 4B) age Patterns (B10) season Water Table (C2) ation Visible on Aerial Imagery (C9) norphic Position (D2)
Wetland Hydr Primary Indica x Surface W High Wate x Saturation Water Mai Sediment X Drift Depo Algal Mat	rology Indicators: ators (minimum of o Vater (A1) er Table (A2) n (A3) nrks (B1) Deposits (B2) osits (B3) or Crust (B4)	ne is requi	Water-Stair MLRA 1 Salt Crust (Aquatic Inv Hydrogen S Oxidized RI	ned Lear , 2, 4A, B11) ertebrat Sulfide C hizospho f Reduc	es (B13) Odor (C1) eres on l)) Living R (C4)	oots (C3)	Wate 44 Drain Dry-S Satur x Geon Shall	r-Stained Leaves (B9) (MLRA 1, 2 A, and 4B) age Patterns (B10) Season Water Table (C2) sation Visible on Aerial Imagery (C9) norphic Position (D2) ow Aquitard (D3)
Wetland Hydr Primary Indica x Surface W High Wate x Saturation Water Mai Sediment X Drift Depo Algal Mat Iron Depos	rology Indicators: ators (minimum of o Vater (A1) er Table (A2) n (A3) nrks (B1) Deposits (B2) osits (B3) or Crust (B4) esits (B5)	ne is requi	Water-Stair MLRA 1 Salt Crust (Aquatic Inv Hydrogen S Oxidized Ri Presence o	ned Lear , 2, 4A , B11) ertebrat Sulfide C hizospho f Reduct	es (B13) Odor (C1) eres on led Iron () Living R (C4) Iled Soil	oots (C3)	Wate 44 Drain Dry-S Satur X Geon Shall	r-Stained Leaves (B9) (MLRA 1, 2 A, and 4B) age Patterns (B10) Beason Water Table (C2) ration Visible on Aerial Imagery (C9) morphic Position (D2) bow Aquitard (D3) Neutral Test (D5)
Wetland Hydr Primary Indica x Surface W High Wate x Saturation Water Mat Sediment X Drift Depo Algal Mat Iron Depos Surface S	rology Indicators: ators (minimum of or Vater (A1) er Table (A2) er (A3) erks (B1) Deposits (B2) esits (B3) or Crust (B4) esits (B5) foil Cracks (B6)		Water-Stair MLRA 1 Salt Crust (Aquatic Inv Hydrogen S Oxidized RI Presence of Recent Iror Stunted or	ned Lea , 2, 4A , B11) ertebrat Sulfide C hizospho f Reduct Stresse	es (B13) Odor (C1) eres on led Iron (tion in Ti) Living R (C4) Iled Soil (D1) (L l	oots (C3)	Wate 44 Drain Dry-S Satur X Geon Shall FAC- Raise	r-Stained Leaves (B9) (MLRA 1, 2 A, and 4B) age Patterns (B10) Beason Water Table (C2) ration Visible on Aerial Imagery (C9) morphic Position (D2) bow Aquitard (D3) Neutral Test (D5) ad Ant Mounds (D6) (LRR A)
Wetland Hydr Primary Indica x Surface W High Wate x Saturation Water Man Sediment X Drift Depo Algal Mat Iron Depor Surface So Inundation	rology Indicators: ators (minimum of or Vater (A1) er Table (A2) in (A3) irks (B1) Deposits (B2) isits (B3) or Crust (B4) isits (B5) ioil Cracks (B6) in Visible on Aerial In	magery (B7	Water-Stair MLRA 1 Salt Crust (Aquatic Inv Hydrogen S Oxidized RI Presence of Recent Iror Stunted or Other (Expl	ned Lea , 2, 4A , B11) ertebrat Sulfide C hizospho f Reduct Stresse	es (B13) Odor (C1) eres on led Iron (tion in Ti) Living R (C4) Iled Soil (D1) (L l	oots (C3)	Wate 44 Drain Dry-S Satur X Geon Shall FAC- Raise	r-Stained Leaves (B9) (MLRA 1, 2 A, and 4B) age Patterns (B10) Beason Water Table (C2) ration Visible on Aerial Imagery (C9) morphic Position (D2) bow Aquitard (D3) Neutral Test (D5)
Wetland Hydr Primary Indica x Surface W High Water X Saturation Water Mai Sediment X Drift Depo Algal Mat Iron Depoi Surface S Inundation Sparsely V	rology Indicators: ators (minimum of o Vater (A1) er Table (A2) n (A3) nrks (B1) Deposits (B2) osits (B3) or Crust (B4) osits (B5) soil Cracks (B6) n Visible on Aerial In Vegetated Concave	magery (B7	Water-Stair MLRA 1 Salt Crust (Aquatic Inv Hydrogen S Oxidized RI Presence of Recent Iror Stunted or Other (Expl	ned Lea , 2, 4A , B11) ertebrat Sulfide C hizospho f Reduct Stresse	es (B13) Odor (C1) eres on led Iron (tion in Ti) Living R (C4) Iled Soil (D1) (L l	oots (C3)	Wate 44 Drain Dry-S Satur X Geon Shall FAC- Raise	r-Stained Leaves (B9) (MLRA 1, 2 A, and 4B) age Patterns (B10) Beason Water Table (C2) ration Visible on Aerial Imagery (C9) morphic Position (D2) bow Aquitard (D3) Neutral Test (D5) ad Ant Mounds (D6) (LRR A)
Wetland Hydr Primary Indica x Surface W High Water X Saturation Water Mai Sediment X Drift Depo Algal Mat Iron Depo: Surface S Inundation Sparsely V	rology Indicators: ators (minimum of o Vater (A1) er Table (A2) n (A3) nrks (B1) Deposits (B2) osits (B3) or Crust (B4) osits (B5) soil Cracks (B6) n Visible on Aerial In Vegetated Concave ations:	magery (B7	Water-Stair MLRA 1 Salt Crust (Aquatic Inv Hydrogen S Oxidized Ri Presence o Recent Iror Stunted or Other (Expl	ned Lear , 2, 4A, B11) ertebrat Gulfide C hizospho f Reduc Reduc Stresse ain in R	es (B13) Odor (C1 eres on I led Iron (tion in Ti d Plants emarks)	Living R (C4) Illed Soil (D1) (LI	oots (C3)	Wate 44 Drain Dry-S Satur X Geon Shall FAC- Raise	r-Stained Leaves (B9) (MLRA 1, 2 A, and 4B) age Patterns (B10) Beason Water Table (C2) ration Visible on Aerial Imagery (C9) morphic Position (D2) bow Aquitard (D3) Neutral Test (D5) ad Ant Mounds (D6) (LRR A)
Wetland Hydr Primary Indica x Surface W High Water X Saturation Water Man Sediment X Drift Depo Algal Mat Iron Depo: Surface So Inundatior Sparsely \ Field Observa Surface Water	rology Indicators: ators (minimum of o Vater (A1) er Table (A2) n (A3) nrks (B1) Deposits (B2) osits (B3) or Crust (B4) osits (B5) soil Cracks (B6) n Visible on Aerial In Vegetated Concave ations: r Present?	magery (B7 Surface (B	Water-Stair MLRA 1 Salt Crust (Aquatic Inv Hydrogen S Oxidized RI Presence of Recent Iror Stunted or (Other (Expl	ned Lear , 2, 4A, B11) ertebrat Gulfide C hizospho f Reduc n Reduc Stresse ain in R	es (B13) Odor (C1 eres on I eed Iron (tion in Ti d Plants emarks)	Living R (C4) Illed Soil (D1) (LI	oots (C3)	Wate 44 Drain Dry-S Satur X Geon Shall FAC- Raise	r-Stained Leaves (B9) (MLRA 1, 2 A, and 4B) age Patterns (B10) Beason Water Table (C2) ration Visible on Aerial Imagery (C9) morphic Position (D2) bow Aquitard (D3) Neutral Test (D5) ad Ant Mounds (D6) (LRR A)
Wetland Hydr Primary Indica x Surface W High Water X Saturation Water Man Sediment X Drift Depo Algal Mat Iron Depo: Surface So Inundation Sparsely \ Field Observa Surface Water Water Table P	rology Indicators: ators (minimum of or Vater (A1) er Table (A2) in (A3) inks (B1) Deposits (B2) posits (B3) or Crust (B4) posits (B5) foil Cracks (B6) in Visible on Aerial Invegetated Concave ations: r Present? Yee	magery (B <i>i</i> Surface (B	Water-Stair MLRA 1 Salt Crust (Aquatic Inv Hydrogen S Oxidized RI Presence of Recent Iron Stunted or Other (Expl	ned Lear , 2, 4A, B11) ertebrat Gulfide C hizosph f Reduc n Reduc Stresse ain in R	es (B13) Door (C1) eres on I ed Iron (tion in Ti d Plants emarks) nches):nches): _) Living R (C4) Illed Soil (D1) (LI	oots (C3) ls (C6) RR A)	Wate 44 Drain Dry-S Satur X Geon Shall FAC- Raise Frost	r-Stained Leaves (B9) (MLRA 1, 2 A, and 4B) age Patterns (B10) Beason Water Table (C2) Bation Visible on Aerial Imagery (C9) Broophic Position (D2) Brow Aquitard (D3) Brown Aguitard (D5) Brown And Mounds (D6) (LRR A) Brown Aguitard (D7)
Wetland Hydr Primary Indica x Surface W High Water x Saturation Water Man Sediment X Drift Depo Algal Mat Iron Depo: Surface Sediment Inundation Sparsely V Field Observa Surface Water Water Table P Saturation Pres	rology Indicators: ators (minimum of o Vater (A1) er Table (A2) n (A3) urks (B1) Deposits (B2) osits (B3) or Crust (B4) osits (B5) soil Cracks (B6) n Visible on Aerial In Vegetated Concave ations: r Present? Ye esent? Ye	magery (B7 Surface (B	Water-Stair MLRA 1 Salt Crust (Aquatic Inv Hydrogen S Oxidized RI Presence of Recent Iron Stunted or Other (Expl	ned Lear , 2, 4A, B11) ertebrat Gulfide C hizosph f Reduc n Reduc Stresse ain in R	es (B13) Odor (C1 eres on I eed Iron (tion in Ti d Plants emarks)) Living R (C4) Illed Soil (D1) (LI	oots (C3) ls (C6) RR A)	Wate 44 Drain Dry-S Satur X Geon Shall FAC- Raise Frost	r-Stained Leaves (B9) (MLRA 1, 2 A, and 4B) age Patterns (B10) Beason Water Table (C2) ration Visible on Aerial Imagery (C9) morphic Position (D2) bow Aquitard (D3) Neutral Test (D5) ad Ant Mounds (D6) (LRR A)
Wetland Hydr Primary Indica x Surface W High Water x Saturation Water Man Sediment X Drift Depo Algal Mat Iron Depo: Surface S Inundation Sparsely \ Field Observa Surface Water Water Table P Saturation Pre (includes capil	rology Indicators: ators (minimum of o Vater (A1) er Table (A2) n (A3) urks (B1) Deposits (B2) osits (B3) or Crust (B4) osits (B5) soil Cracks (B6) n Visible on Aerial In Vegetated Concave ations: r Present? Ye esent? Ye	magery (B7 Surface (B ss x ss x	Water-Stair MLRA 1 Salt Crust (Aquatic Inv Hydrogen S Oxidized RI Presence of Recent Iron Stunted or s Other (Expl	ned Lear, 2, 4A, B11) ertebrat Sulfide Chizospho f Reduct Reduct Stressed ain in R Depth (ii) Depth (iii)	es (B13) Odor (C1) eres on I ed Iron (tion in Ti d Plants emarks) nches): _ nches): _) Living R (C4) Illed Soil (D1) (LI	oots (C3) Is (C6) RR A) Wetland	Wate 44 Drain Dry-S Satur X Geon Shall FAC- Raise Frost	r-Stained Leaves (B9) (MLRA 1, 2 A, and 4B) age Patterns (B10) Beason Water Table (C2) Bation Visible on Aerial Imagery (C9) Broophic Position (D2) Brow Aquitard (D3) Brown Aguitard (D5) Brown And Mounds (D6) (LRR A) Brown Aguitard (D7)
Wetland Hydr Primary Indica x Surface W High Water X Saturation Water Mai Sediment X Drift Depo Algal Mat Iron Depoi Surface Si Inundation Sparsely V Field Observa Surface Water Water Table P Saturation Pre (includes capil	rology Indicators: ators (minimum of o Vater (A1) er Table (A2) n (A3) urks (B1) Deposits (B2) osits (B3) or Crust (B4) esits (B5) foil Cracks (B6) n Visible on Aerial In Vegetated Concave ations: r Present? Present? Ye esent? Ye ellary fringe)	magery (B7 Surface (B ss x ss x	Water-Stair MLRA 1 Salt Crust (Aquatic Inv Hydrogen S Oxidized RI Presence of Recent Iron Stunted or s Other (Expl	ned Lear, 2, 4A, B11) ertebrat Sulfide Chizospho f Reduct Reduct Stressed ain in R Depth (ii) Depth (iii)	es (B13) Odor (C1) eres on I ed Iron (tion in Ti d Plants emarks) nches): _ nches): _) Living R (C4) Illed Soil (D1) (LI	oots (C3) Is (C6) RR A) Wetland	Wate 44 Drain Dry-S Satur X Geon Shall FAC- Raise Frost	r-Stained Leaves (B9) (MLRA 1, 2 A, and 4B) age Patterns (B10) Beason Water Table (C2) Bation Visible on Aerial Imagery (C9) Broophic Position (D2) Brow Aquitard (D3) Brown Aguitard (D5) Brown And Mounds (D6) (LRR A) Brown Aguitard (D7)
Wetland Hydr Primary Indica x Surface W High Water X Saturation Water Man Sediment X Drift Depo Algal Mat Iron Depo: Surface So Inundation Sparsely \ Field Observa Surface Water Water Table P Saturation Pre (includes capil	rology Indicators: ators (minimum of o Vater (A1) er Table (A2) n (A3) urks (B1) Deposits (B2) osits (B3) or Crust (B4) esits (B5) foil Cracks (B6) n Visible on Aerial In Vegetated Concave ations: r Present? Present? Ye esent? Ye ellary fringe)	magery (B7 Surface (B ss x ss x	Water-Stair MLRA 1 Salt Crust (Aquatic Inv Hydrogen S Oxidized RI Presence of Recent Iron Stunted or s Other (Expl	ned Lear, 2, 4A, B11) ertebrat Sulfide Chizospho f Reduct Reduct Stressed ain in R Depth (ii) Depth (iii)	es (B13) Odor (C1) eres on I ed Iron (tion in Ti d Plants emarks) nches): _ nches): _) Living R (C4) Illed Soil (D1) (LI	oots (C3) Is (C6) RR A) Wetland	Wate 44 Drain Dry-S Satur X Geon Shall FAC- Raise Frost	r-Stained Leaves (B9) (MLRA 1, 2 A, and 4B) age Patterns (B10) Beason Water Table (C2) Bation Visible on Aerial Imagery (C9) Broophic Position (D2) Brow Aquitard (D3) Brown Aguitard (D5) Brown And Mounds (D6) (LRR A) Brown Aguitard (D7)
Wetland Hydr Primary Indica x Surface W High Water X Saturation Water Man Sediment X Drift Depo Algal Mat Iron Depo: Surface Si Inundation Sparsely Water Table P Saturation Pre (includes capil	rology Indicators: ators (minimum of o Vater (A1) er Table (A2) n (A3) urks (B1) Deposits (B2) osits (B3) or Crust (B4) esits (B5) foil Cracks (B6) n Visible on Aerial In Vegetated Concave ations: r Present? Present? Ye esent? Ye ellary fringe)	magery (B7 Surface (B ss x ss x	Water-Stair MLRA 1 Salt Crust (Aquatic Inv Hydrogen S Oxidized RI Presence of Recent Iron Stunted or s Other (Expl	ned Lear, 2, 4A, B11) ertebrat Sulfide Chizospho f Reduct Reduct Stressed ain in R Depth (ii) Depth (iii)	es (B13) Odor (C1) eres on I ed Iron (tion in Ti d Plants emarks) nches): _ nches): _) Living R (C4) Illed Soil (D1) (LI	oots (C3) Is (C6) RR A) Wetland	Wate 44 Drain Dry-S Satur X Geon Shall FAC- Raise Frost	r-Stained Leaves (B9) (MLRA 1, 2 A, and 4B) age Patterns (B10) Beason Water Table (C2) Bation Visible on Aerial Imagery (C9) Broophic Position (D2) Brow Aquitard (D3) Brown Aguitard (D5) Brown And Mounds (D6) (LRR A) Brown Aguitard (D7)

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Project/Site: Post Creek Hill - US 93		City/Cour	nty: Lake	-	Sampling Date:	9-16-2024
Applicant/Owner: MDT				State: MT	Sampling Point:	WDP-16D-24(2)
Investigator(s): B.Cline, F.Doty		Section, T	ownship, Ra	nge: S12 T19 R20W		
Landform (hillside, terrace, etc.): roadside		Local relief (co	oncave, conv	ex, none): concave	Slo	pe (%): <u>0-5</u>
Subregion (LRR/MLRA): LRR E, MLRA 44A	Lat:	47.42682	0 I	Long: -114.096732	Datum:	NAD83
Soil Map Unit Name: Post-Ronan-Water complex, 2	to 8 percent sl	opes	_	NWI classi	fication: PEM1A	
Are climatic / hydrologic conditions on the site typical	for this time o	f year?	Yes X	No (If no, exp	olain in Remarks.)	
Are Vegetation, Soil, or Hydrology	_significantly	disturbed? A	re "Normal C	Circumstances" present?	Yes X N	o
Are Vegetation , Soil , or Hydrology			f needed, ex	plain any answers in Rer	narks.)	· <u></u>
SUMMARY OF FINDINGS – Attach site n	– nap showir	ıg samplinç	g point lo	cations, transects,	important feat	ures, etc.
Hydrophytic Vegetation Present? Yes X	No	Is the	Sampled A	rea		
	No		n a Wetland		No	
	No					
Remarks:						
VEGETATION – Use scientific names of	Absolute	Dominant	Indicator	Г		
<u>Tree Stratum</u> (Plot size: 30')	% Cover	Species?	Status	Dominance Test wor	ksheet:	
1.				Number of Dominant	Species That	
2.				Are OBL, FACW, or F	AC:	2 (A)
3.				Total Number of Dom	inant Species	
4		=Total Cover		Across All Strata:		2 (B)
Sapling/Shrub Stratum (Plot size: 30'	\ 	- Fotal Cover		Percent of Dominant S Are OBL, FACW, or F	•	00.0% (A/B)
1.	_'			7410 OBE, 1710VV, 01 1	7.0.	70.070 (70B)
2.				Prevalence Index wo	rksheet:	
3.				Total % Cover of	Multiply	y by:
4				· -	5 x 1 =	35
5		T-4-1-0		· -	5 x 2 =	90
Herb Stratum (Plot size: 30')		=Total Cover		' 	5 x 3 =	0
1. Rumex crispus	15	No	FAC	· -	x 5 =	0
Phalaris arundinacea	45	Yes	FACW			170 (B)
3. Eleocharis palustris	20	Yes	OBL	Prevalence Index		9
4. Carex nebrascensis	15	No	OBL			-
5				Hydrophytic Vegetat		
6.					Hydrophytic Veget	ation
7. 8.				X 2 - Dominance Te		
					aex is ≤3.0 Adaptations¹(Provi	de supportina
10					s or on a separate	
11.	<u> </u>			5 - Wetland Non-	√ascular Plants¹	
	95	=Total Cover			ophytic Vegetation ¹	¹ (Explain)
Woody Vine Stratum (Plot size: 30')			¹ Indicators of hydric s		
1.				be present, unless dis	turbed or problema	itic.
2		-Total Carra		Hydrophytic		
% Bare Ground in Herb Stratum		=Total Cover		Vegetation Present? Yes	X No	
Remarks:						
nomana.						

SOIL Sampling Point: WDP-16D-24(2)

	cription: (Describe	to the depth				tor or o	confirm the	absence of	f indicators.)	
Depth	Matrix			x Featur		Loc ²	. т	4	Day	
(inches)	Color (moist)	<u>%</u>	Color (moist)	<u>%</u>	Type ¹	Loc		ture		marks , ,
0-6	10YR 3/2	100					Loamy,			roots present
6-16	10YR 3/2	40	7.5YR 4/6	30	<u> </u>	M	Loamy	/Clayey	30% 7	7.5YR 5/2
	· ·									
		·								_
-	·									
¹Type: C=C	- Concentration, D=Dep	letion, RM=F	Reduced Matrix, C	S=Cove	ered or Co	ated S	and Grains.	² Locat	ion: PL=Pore Lin	ing, M=Matrix.
Hydric Soil	Indicators: (Applica	ble to all Li	RRs, unless othe	rwise n	oted.)				for Problematic	
Histoso	l (A1)		Sandy Gle	yed Mat	rix (S4)			2 cm I	Muck (A10) (LRR	A, E)
Histic E	pipedon (A2)		Sandy Red	dox (S5)				Iron-M	langanese Masse	s (F12) (LRR D)
Black H	listic (A3)		Stripped M	latrix (Se	3)			Red P	arent Material (F2	21)
Hydroge	en Sulfide (A4)		Loamy Mu	cky Mine	eral (F1) (except	MLRA 1)	Very S	Shallow Dark Surfa	ace (F22)
1 cm M	uck (A9) (LRR D, G)		Loamy Gle	eyed Ma	trix (F2)			Other	(Explain in Remar	rks)
Deplete	d Below Dark Surface	e (A11)	Depleted N	Лatrix (F	3)					
Thick D	ark Surface (A12)		X Redox Dar	k Surfac	ce (F6)			³ Indicators	of hydrophytic ve	egetation and
Sandy N	Mucky Mineral (S1)		Depleted [Dark Sur	face (F7)			wetlan	nd hydrology must	be present,
2.5 cm	Mucky Peat or Peat (S2) (LRR G)	Redox Dep	oression	s (F8)			unless	s disturbed or prob	olematic.
Restrictive	Layer (if observed):									
Type:			_							
Depth (i	inches):		<u> </u>				Hydric S	oil Present?	? Yes	s <u>X</u> No
Remarks:										
HYDROLO	OGY									
1	/drology Indicators:									
	icators (minimum of c	ne is require	ed: check all that a	apply)				Secondary	/ Indicators (2 or n	more required)
-	Water (A1)		Water-Stai		ves (B9)	(excep	t		-Stained Leaves (
	ater Table (A2)				and 4B)	(σχουρ	.•		, and 4B)	20) (M21011, 2
Saturati			Salt Crust		,				age Patterns (B10)
	/Jarks (B1)		Aquatic Inv	` '	tes (B13)				eason Water Tabl	
	nt Deposits (B2)		Hydrogen						ation Visible on Ae	` '
	posits (B3)		Oxidized F				toots (C3)		orphic Position (D	
Algal M	at or Crust (B4)		Presence	of Redu	ced Iron (C4)		Shallo	w Aquitard (D3)	
Iron De	posits (B5)		Recent Iro	n Reduc	tion in Til	led Soi	ls (C6)	x FAC-N	Neutral Test (D5)	
Surface	Soil Cracks (B6)		Stunted or	Stresse	d Plants	(D1) (L l	RR A)	Raise	d Ant Mounds (D6	6) (LRR A)
Inundat	ion Visible on Aerial I	magery (B7)	Other (Exp	olain in F	Remarks)			Frost-l	Heave Hummocks	s (D7)
Sparsel	y Vegetated Concave	Surface (B	3)							
Field Obse	rvations:									
Surface Wa	ter Present? Ye	es	No x	Depth (i	inches):					
Water Table	e Present? Ye	es	No x	Depth (i	inches):	-	.			
Saturation F	Present? Ye	es	No x	Depth (i	inches):		Wetlan	d Hydrolog	y Present? Yes	s_X_ No
	pillary fringe)									
Describe Re	ecorded Data (stream	gauge, mor	nitoring well, aeria	l photos	, previous	inspec	ctions), if ava	ailable:		
Remarks:										

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Project/Site: Post Creek Hill - US 93		City/Cou	nty: Lake	<u> </u>	Sampling Date:	9-17-2024
Applicant/Owner: MDT				State: MT	Sampling Point:	WDP-17A-24(1)
Investigator(s): B.Cline, F.Doty		Section, T	ownship, Ra	nge: S2 T19 R20W		
Landform (hillside, terrace, etc.): pothole		Local relief (co	oncave, conv	ex, none): concave	Slo	pe (%): <u>0-5</u>
Subregion (LRR/MLRA): LRR E, MLRA 44A	Lat:	47.42953	31	Long: <u>-114.097147</u>	Datum:	NAD83
Soil Map Unit Name: Post-Ronan-Water complex, 2 to	o 8 percent sl	opes		NWI classi	fication: PEM1F	
Are climatic / hydrologic conditions on the site typical	for this time o	f year?	Yes X	No (If no, exp	olain in Remarks.)	
Are Vegetation, Soil, or Hydrology	significantly	disturbed? A	Are "Normal (Circumstances" present?	Yes X N	lo
Are Vegetation, Soil, or Hydrology	naturally prol	olematic? (I	If needed, ex	plain any answers in Rei	narks.)	
SUMMARY OF FINDINGS – Attach site m	ap showir	ıg samplin	g point lo	cations, transects,	important feat	tures, etc.
Hydrophytic Vegetation Present? Yes X N	No	Is the	Sampled A	rea		
	No		n a Wetland		No	
	No					
Remarks:		-				
VECTATION Has a significant and a first	-14-					
VEGETATION – Use scientific names of	Absolute	Dominant	Indicator	I		
Tree Stratum (Plot size: 30')	% Cover	Species?	Status	Dominance Test wo	ksheet:	
1				Number of Dominant	•	
2.				Are OBL, FACW, or F		3 (A)
3.				Total Number of Dom Across All Strata:	inant Species	3 (B)
4		=Total Cover		Percent of Dominant	Species That	<u>3</u> (B)
Sapling/Shrub Stratum (Plot size: 30')			Are OBL, FACW, or F		00.0% (A/B)
1						
2.				Prevalence Index wo		
3.				Total % Cover of OBL species 2		y by: 25
4 5.				· —	5 x1= 5 x2=	90
		=Total Cover			x 3 =	0
Herb Stratum (Plot size: 30')				FACU species (x 4 =	0
Typha latifolia	25	Yes	OBL		x 5 =	0
2. Juncus balticus	25	Yes	FACW		`` ′	115 (B)
3. Phalaris arundinacea 4.	20	Yes	FACW	Prevalence Index	= B/A = <u>1.6</u>	4
5.				Hydrophytic Vegetat	ion Indicators:	
6.				1 - Rapid Test for	Hydrophytic Vege	tation
7				X 2 - Dominance Te		
8.				X 3 - Prevalence Inc		
9					Adaptations ¹ (Provi s or on a separate	
10 11				5 - Wetland Non-	•	,
	70	=Total Cover			ophytic Vegetation	¹ (Explain)
Woody Vine Stratum (Plot size: 30')			¹ Indicators of hydric s		
1.				be present, unless dis	turbed or problema	atic.
2		-Total Carra		Hydrophytic		
% Bare Ground in Herb Stratum		=Total Cover		Vegetation Present? Yes	X No	
Remarks:				1.1000		
iveniains.						

SOIL Sampling Point: WDP-17A-24(1)

Depth	Matrix		Redo	on i calui							
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Tex	dure		Remarks	
0-4	10YR 2/1	96	7.5YR 4/6	4	С	M			ro	ots present	
4-18	10YR 4/2	40	7.5YR 4/6	20	D	PL			409	% 10YR 2/1	
Type: C=Co	ncentration, D=Depl	etion, RM:	=Reduced Matrix, (CS=Cove	red or Co	oated S	and Grains.	² Locati	on: PL=Pore	Lining, M=M	atrix.
• •	ndicators: (Applica								for Problema		
Histosol ((A1)		Sandy Gle	eyed Mati	rix (S4)			2 cm N	luck (A10) (LF	RR A, E)	
Histic Ep	ipedon (A2)		Sandy Re	dox (S5)				Iron-Ma	anganese Mas	ses (F12) (L	.RR D)
Black His			Stripped N		6)				rent Material		,
	n Sulfide (A4)		Loamy Mu	`	,	(except	MLRA 1)		nallow Dark S	` ,	
	ck (A9) (LRR D, G)		Loamy Gl	-		,	,		Explain in Rer		
	Below Dark Surface	e (A11)	Depleted I						,	-,	
	rk Surface (A12)	· · · · /	x Redox Da	,	,			3Indicators	of hydrophytic	vegetation :	and
	ucky Mineral (S1)		Depleted I		, ,	,			hydrology m	-	
	lucky Peat or Peat (S2) (LRR (, ,				disturbed or p		,
Restrictive L	ayer (if observed):		<u> </u>	·							
Type:											
Depth (in Remarks:	ches):						Hydric S	oil Present?	<u> </u>	Yes <u>X</u>	No
Depth (in Remarks:	,						Hydric S	oil Present?		Yes X	No
Remarks: IYDROLO Wetland Hyd	GY Irology Indicators:						Hydric S				
Remarks: IYDROLO Wetland Hyde Primary Indic	GY Irology Indicators: ators (minimum of o	ne is requi						Secondary	Indicators (2 d	pr more requ	ired)
Remarks: IYDROLO Wetland Hyde Primary Indic Surface \	GY Irology Indicators: ators (minimum of o	ne is requi	Water-Sta	ined Lea	, ,			Secondary Water-	Indicators (2 o	pr more requ	ired)
Remarks: YDROLO Wetland Hyde Primary Indic Surface \ High Wat	GY Irology Indicators: ators (minimum of o Nater (A1) ter Table (A2)	ne is requi	Water-Sta	ined Lea 1, 2, 4A,	, ,			Secondary Water-	Indicators (2 o Stained Leave and 4B)	or more requ	ired)
Remarks: IYDROLO Wetland Hyd Primary Indic Surface \ High Wat Saturatio	GY Irology Indicators: ators (minimum of o Nater (A1) ter Table (A2) n (A3)	ne is requi	Water-Sta MLRA Salt Crust	ined Lea 1, 2, 4A, (B11)	and 4B))		Secondary Water- 4A, Drainae	Indicators (2 o Stained Leave and 4B) ge Patterns (B	or more reques (B9) (MLF	ired)
Remarks: IYDROLO Wetland Hyde Primary Indic Surface \ High Wat Saturatio Water Ma	GY Irology Indicators: ators (minimum of o Water (A1) ter Table (A2) n (A3) arks (B1)	ne is requi	Water-Sta MLRA Salt Crust Aquatic In	nined Lea 1, 2, 4A, (B11) vertebrat	and 4B) es (B13))		Secondary Water- 4A, Drainae	Indicators (2 c Stained Leave and 4B) ge Patterns (B ason Water Ta	or more reques (B9) (MLF	<u>ired)</u> RA 1, 2
Remarks: IYDROLO Wetland Hyde Primary Indic Surface V High Wat Saturatio Water Ma Sedimen	GY Irology Indicators: ators (minimum of o Nater (A1) ter Table (A2) n (A3) arks (B1) t Deposits (B2)	ne is requi	Water-Sta MLRA Salt Crust Aquatic In Hydrogen	nined Lea 1, 2, 4A, (B11) vertebrat Sulfide (and 4B) es (B13) Odor (C1))	t	Secondary Water- 4A, Drainag Dry-Se Saturat	Indicators (2 o Stained Leave and 4B) ge Patterns (B ason Water Taion Visible on	or more reques (B9) (MLF s10) able (C2) Aerial Imag	<u>ired)</u> RA 1, 2
IYDROLO Wetland Hyde Primary Indic Surface \ High Wat Saturatio Water Ma Sedimen Drift Dep	GY Irology Indicators: ators (minimum of o Water (A1) ter Table (A2) n (A3) arks (B1) t Deposits (B2) osits (B3)	ne is requi	Water-Sta MLRA Salt Crust Aquatic In Hydrogen X Oxidized F	nined Lea 1, 2, 4A, (B11) vertebrat Sulfide (CRhizosph	and 4B) es (B13) Odor (C1) eres on l) _iving R	t	Secondary Water- 4A, Drainag Dry-Se Saturat x Geomo	Indicators (2 of Stained Leave and 4B) ge Patterns (B ason Water Ta ion Visible on rphic Position	es (B9) (MLF s10) able (C2) Aerial Imag	<u>ired)</u> RA 1, 2
Remarks: IYDROLO Wetland Hyde Primary Indic Surface \ High Wat Saturatio Water Ma Sedimen Drift Dep Algal Mat	GY Irology Indicators: ators (minimum of or Nater (A1) ter Table (A2) n (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4)	ne is requi	Water-Sta MLRA Salt Crust Aquatic In Hydrogen X Oxidized F Presence	nined Lea 1, 2, 4A, (B11) vertebrat Sulfide (Canalisation) Sulfide (Canalisation) Sulfide (Canalisation)	es (B13) Odor (C1) eres on Led Iron () _iving R (C4)	t oots (C3)	Secondary Water- 4A, Drainae Dry-Se Saturat x Geomo	Indicators (2 of Stained Leave and 4B) ge Patterns (Bason Water Taion Visible on orphic Position v Aquitard (D3	es (B9) (MLF s10) able (C2) Aerial Imag (D2)	<u>ired)</u> RA 1, 2
Remarks: IYDROLO Wetland Hyde Primary Indic Surface \ High Wat Saturatio Water Ma Sedimen Drift Depo Algal Mat Iron Depo	GY Irology Indicators: ators (minimum of o Nater (A1) ter Table (A2) n (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4) osits (B5)	ne is requi	Water-Sta MLRA Salt Crust Aquatic In Hydrogen X Oxidized F Presence Recent Iro	nined Lea 1, 2, 4A, (B11) vertebrat Sulfide (Rhizosph of Reduction	es (B13) Odor (C1) eres on Led Iron (tion in Ti) _iving R (C4) lled Soil	oots (C3)	Secondary Water- 4A, Drainag Dry-Se Satural x Geomo Shallov FAC-N	Indicators (2 of Stained Leave and 4B) ge Patterns (Bason Water Tailon Visible on orphic Position V Aquitard (D3 eutral Test (D5	es (B9) (MLF s10) able (C2) Aerial Imag (D2) 8)	<u>ired)</u> RA 1, 2
Remarks: IYDROLO Wetland Hydic Surface \ High Wat Saturatio Water Ma Sedimen Drift Dep Algal Mat Iron Depo Surface S	GY Irology Indicators: ators (minimum of o Nater (A1) ter Table (A2) n (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4) osits (B5) Soil Cracks (B6)		Water-Sta MLRA Salt Crust Aquatic In Hydrogen X Oxidized F Presence Recent Iro Stunted of	nined Lea 1, 2, 4A, (B11) vertebrat Sulfide C Rhizosph of Reduc on Reduc r Stresse	es (B13) Odor (C1) eres on Led Iron (tion in Ti) _iving R (C4) lled Soil	oots (C3)	Secondary Water- 4A, Drainag Dry-Se Saturat x Geomo Shallov FAC-N Raised	Indicators (2 of Stained Leave and 4B) ge Patterns (Bason Water Tailon Visible on orphic Position V Aquitard (D3 eutral Test (Da) Ant Mounds (or more reques (B9) (MLF) (a10) (able (C2) (Aerial Imag) (D2) (D3) (D6) (LRR A	<u>ired)</u> RA 1, 2
Remarks: IYDROLO Wetland Hyde Primary Indic Surface V High Wat Saturatio Water Ma Sediment Drift Dep Algal Mat Iron Depo Surface S x Inundatio	GY Irology Indicators: ators (minimum of o Nater (A1) ter Table (A2) n (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4) osits (B5) Soil Cracks (B6) in Visible on Aerial II	magery (B	Water-Sta MLRA Salt Crust Aquatic In Hydrogen X Oxidized F Presence Recent Irc Stunted on Other (Exp	nined Lea 1, 2, 4A, (B11) vertebrat Sulfide C Rhizosph of Reduc on Reduc r Stresse	es (B13) Odor (C1) eres on Led Iron (tion in Ti) _iving R (C4) lled Soil	oots (C3)	Secondary Water- 4A, Drainag Dry-Se Saturat x Geomo Shallov FAC-N Raised	Indicators (2 of Stained Leave and 4B) ge Patterns (Bason Water Tailon Visible on orphic Position V Aquitard (D3 eutral Test (D5	or more reques (B9) (MLF) (a10) (able (C2) (Aerial Imag) (D2) (D3) (D6) (LRR A	<u>ired)</u> RA 1, 2
Remarks: IYDROLO Wetland Hyde Primary Indice Surface N High Wat Saturatio Water Ma Sedimen Drift Dep Algal Mat Iron Depe Surface S x Inundation Sparsely	GY Irology Indicators: ators (minimum of or	magery (B	Water-Sta MLRA Salt Crust Aquatic In Hydrogen X Oxidized F Presence Recent Irc Stunted on Other (Exp	nined Lea 1, 2, 4A, (B11) vertebrat Sulfide C Rhizosph of Reduc on Reduc r Stresse	es (B13) Odor (C1) eres on Led Iron (tion in Ti) _iving R (C4) lled Soil	oots (C3)	Secondary Water- 4A, Drainag Dry-Se Saturat x Geomo Shallov FAC-N Raised	Indicators (2 of Stained Leave and 4B) ge Patterns (Bason Water Tailon Visible on orphic Position V Aquitard (D3 eutral Test (Da) Ant Mounds (or more reques (B9) (MLF) (a10) (able (C2) (Aerial Imag) (D2) (D3) (D6) (LRR A	<u>ired)</u> RA 1, 2 ery (C9)
Remarks: IYDROLO Wetland Hyde Primary Indic Surface N High Wat Saturatio Water Ma Sediment Drift Dep Algal Mat Iron Depo Surface S x Inundatio	GY Irology Indicators: ators (minimum of orwater (A1) ter Table (A2) in (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4) osits (B5) Soil Cracks (B6) in Visible on Aerial In Vegetated Concave vations:	magery (B Surface (l	Water-Sta MLRA Salt Crust Aquatic In Hydrogen X Oxidized F Presence Recent Irc Stunted or Other (Exp	nined Lea 1, 2, 4A, (B11) vertebrat Sulfide C Rhizosph of Reduc on Reduc r Stresse plain in R	es (B13) Odor (C1) eres on L ced Iron (tion in Ti d Plants emarks)) _iving R (C4) lled Soil	oots (C3)	Secondary Water- 4A, Drainag Dry-Se Saturat x Geomo Shallov FAC-N Raised	Indicators (2 of Stained Leave and 4B) ge Patterns (Bason Water Tailon Visible on orphic Position V Aquitard (D3 eutral Test (Da) Ant Mounds (or more reques (B9) (MLF) (a10) (able (C2) (Aerial Imag) (D2) (D3) (D6) (LRR A	<u>ired)</u> RA 1, 2 ery (C9)
Remarks: IYDROLO Wetland Hyde Primary Indice Surface \(\) High Water Mater Mat	GY Irology Indicators: ators (minimum of orwater (A1) ter Table (A2) In (A3) arks (B1) It Deposits (B2) It Deposits (B3) It or Crust (B4) It Desits (B5) Soil Cracks (B6) In Visible on Aerial Invegetated Concave Vations: Iron Present? Ye	magery (B Surface (l	Water-Sta MLRA Salt Crust Aquatic In Hydrogen X Oxidized F Presence Recent Irc Stunted or Other (Exp B8)	nined Lea 1, 2, 4A, (B11) vertebrat Sulfide (Rhizosph of Reduct on Reduct r Stresse plain in R	es (B13) Odor (C1) eres on L eed Iron (tion in Ti d Plants eemarks)) Living R C4) Iled Soil (D1) (LI	oots (C3)	Secondary Water- 4A, Drainag Dry-Se Saturat x Geomo Shallov FAC-N Raised	Indicators (2 of Stained Leave and 4B) ge Patterns (Bason Water Tailon Visible on orphic Position V Aquitard (D3 eutral Test (Da) Ant Mounds (or more reques (B9) (MLF) (a10) (able (C2) (Aerial Imag) (D2) (D3) (D6) (LRR A	<u>ired)</u> RA 1, 2 ery (C9)
Remarks: IYDROLO Wetland Hyde Primary Indic Surface \(\) High Wat Saturatio Water Ma Sedimen Drift Dep Algal Mat Iron Depo Surface \(\) x Inundatio Sparsely Field Observ	GY Irology Indicators: ators (minimum of orwater (A1) ter Table (A2) In (A3) arks (B1) It Deposits (B2) It Deposits (B3) It or Crust (B4) It Desits (B5) Soil Cracks (B6) In Visible on Aerial In Vegetated Concave Vations: Ir Present? Ye Present? Ye Present? Ye Yesent?	magery (B Surface (l s	Water-Sta MLRA Salt Crust Aquatic In Hydrogen X Oxidized F Presence Recent Irc Stunted or Other (Exp	nined Lea 1, 2, 4A, (B11) vertebrat Sulfide (Candidate) Rhizosph of Reduct on Reduct on Reduct on Stresse plain in Reduct Depth (i	es (B13) Ddor (C1) eres on L ed Iron (tion in Ti d Plants emarks) nches): _ nches): _) Living R C4) Iled Soil (D1) (LI	oots (C3) s (C6) RR A)	Secondary Water- 4A, Drainag Dry-Se Satural x Geomo Shallov FAC-N Raised Frost-H	Indicators (2 of Stained Leave and 4B) ge Patterns (Bason Water Tailon Visible on orphic Position V Aquitard (D3 eutral Test (Da) Ant Mounds (es (B9) (MLF (B10) able (C2) Aerial Imag (D2) (D3) (D6) (LRR A	<u>ired)</u> RA 1, 2 ery (C9)
Remarks: IYDROLO Wetland Hyde Primary Indice Surface V High Water Ma Sediment Drift Dep Algal Mat Iron Depo Surface S x Inundatio Sparsely Field Observ Surface Water Water Table Saturation Pr	GY Irology Indicators: ators (minimum of or	magery (B Surface (l s	Water-Sta MLRA Salt Crust Aquatic In Hydrogen X Oxidized F Presence Recent Irc Stunted oi Other (Exp. B8) No x No x	nined Lea 1, 2, 4A, (B11) vertebrat Sulfide (Rhizosph of Reduct on Reduct r Stresse plain in R	es (B13) Ddor (C1) eres on L ed Iron (tion in Ti d Plants emarks) nches): _ nches): _) Living R C4) Iled Soil (D1) (LI	oots (C3) s (C6) RR A)	Secondary Water- 4A, Drainag Dry-Se Satural x Geomo Shallov FAC-N Raised Frost-H	Indicators (2 of Stained Leave and 4B) ge Patterns (B ason Water Tai ion Visible on orphic Position v Aquitard (D3 eutral Test (D6 Ant Mounds (Ieave Hummo	es (B9) (MLF (B10) able (C2) Aerial Imag (D2) (D3) (D6) (LRR A	ired) RA 1, 2 ery (C9)
Remarks: IYDROLO Wetland Hyde Primary Indice Surface V High Water Ma Sediment Drift Dep Algal Mater Iron Depo Surface S x Inundation Sparsely Field Observ Surface Water Water Table Saturation Princludes cap	GY Irology Indicators: ators (minimum of or	magery (B Surface (l s s	Water-Sta MLRA Salt Crust Aquatic In Hydrogen X Oxidized F Presence Recent Irc Stunted or Other (Exp No x No x No x	nined Lea 1, 2, 4A, (B11) vertebrat Sulfide (Canizosphor Reductor Reductor Stresse plain in Randon Reductor Stresse plain in Randon Reductor Stresse	es (B13) Odor (C1) eres on Led Iron (tion in Ti d Plants emarks) enches): _ nches): _ nches): _) Living R (C4) Illed Soil (D1) (LI	t toots (C3) s (C6) RR A) Wetlan	Secondary Water- 4A, Drainag Dry-Se Saturat x Geomo Shallov FAC-N Raised Frost-H	Indicators (2 of Stained Leave and 4B) ge Patterns (B ason Water Tai ion Visible on orphic Position v Aquitard (D3 eutral Test (D6 Ant Mounds (Ieave Hummo	es (B9) (MLF (B10) able (C2) Aerial Imag (D2) (D3) (D6) (LRR A	ired) RA 1, 2 ery (C9)
Remarks: IYDROLO Wetland Hyde Primary Indice Surface V High Water Ma Sediment Drift Dep Algal Mater Iron Depo Surface S X Inundation Sparsely Field Observ Surface Water Water Table Saturation Pr (includes cap	GY Irology Indicators: ators (minimum of or	magery (B Surface (l s s	Water-Sta MLRA Salt Crust Aquatic In Hydrogen X Oxidized F Presence Recent Irc Stunted or Other (Exp No x No x No x	nined Lea 1, 2, 4A, (B11) vertebrat Sulfide (Canizosphor Reductor Reductor Stresse plain in Randon Reductor Stresse plain in Randon Reductor Stresse	es (B13) Odor (C1) eres on Led Iron (tion in Ti d Plants emarks) enches): _ nches): _ nches): _) Living R (C4) Illed Soil (D1) (LI	t toots (C3) s (C6) RR A) Wetlan	Secondary Water- 4A, Drainag Dry-Se Saturat x Geomo Shallov FAC-N Raised Frost-H	Indicators (2 of Stained Leave and 4B) ge Patterns (B ason Water Tai ion Visible on orphic Position v Aquitard (D3 eutral Test (D6 Ant Mounds (Ieave Hummo	es (B9) (MLF (B10) able (C2) Aerial Imag (D2) (D3) (D6) (LRR A	ired) RA 1, 2 ery (C9)
Remarks: IYDROLO Wetland Hyde Primary Indice Surface N High Wat Saturatio Water Ma Sedimen Drift Dep Algal Mat Iron Depe Surface S x Inundatio Sparsely Field Observe Surface Wate Water Table Saturation Pr Sincludes cap Describe Rec	GY Irology Indicators: ators (minimum of or	magery (B Surface (l s s	Water-Sta MLRA Salt Crust Aquatic In Hydrogen X Oxidized F Presence Recent Irc Stunted or Other (Exp No x No x No x	nined Lea 1, 2, 4A, (B11) vertebrat Sulfide (Canizosphor Reductor Reductor Stresse plain in Randon Reductor Stresse plain in Randon Reductor Stresse	es (B13) Odor (C1) eres on Led Iron (tion in Ti d Plants emarks) enches): _ nches): _ nches): _) Living R (C4) Illed Soil (D1) (LI	t toots (C3) s (C6) RR A) Wetlan	Secondary Water- 4A, Drainag Dry-Se Saturat x Geomo Shallov FAC-N Raised Frost-H	Indicators (2 of Stained Leave and 4B) ge Patterns (B ason Water Tai ion Visible on orphic Position v Aquitard (D3 eutral Test (D6 Ant Mounds (Ieave Hummo	es (B9) (MLF (B10) able (C2) Aerial Imag (D2) (D3) (D6) (LRR A	ired) RA 1, 2 ery (C9)

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Project/Site: Post Creek Hill - US 93		City/Cour	nty: Lake	•	Sampling Date:	9-17-2024
Applicant/Owner: MDT				State: MT	Sampling Point:	WDP-17A-24(2)
Investigator(s): B.Cline, F.Doty		Section, T	ownship, Ra	nge: S2 T19 R20W		
Landform (hillside, terrace, etc.): pothole		Local relief (co	oncave, conv	ex, none): <u>concave</u>	Slo	pe (%): <u>0-5</u>
Subregion (LRR/MLRA): LRR E, MLRA 44A	Lat:	47.43030)6 I	_ong: <u>-114.097479</u>	Datum:	NAD93
Soil Map Unit Name: Post-Ronan-Water complex, 2	to 8 percent slo	opes		NWI classi	fication: None	
Are climatic / hydrologic conditions on the site typical	for this time o	f year?	Yes X	No (If no, exp	olain in Remarks.)	
Are Vegetation, Soil, or Hydrology	_significantly	disturbed? A	re "Normal C	Circumstances" present?	Yes X N	ю
Are Vegetation, Soil, or Hydrology	naturally prol	olematic? (I	f needed, ex	plain any answers in Rei	narks.)	
SUMMARY OF FINDINGS - Attach site n	nap showin	g sampling	g point lo	cations, transects,	important feat	ures, etc.
Hydrophytic Vegetation Present? Yes X	No	Is the	Sampled A	rea		
	No		n a Wetland		No	
	No					
Remarks:						
NECETATION II a colombific norman of						
VEGETATION – Use scientific names of	Absolute	Dominant	Indicator			
Tree Stratum (Plot size: 30')	% Cover	Species?	Status	Dominance Test wo	rksheet:	
1				Number of Dominant	•	
2.				Are OBL, FACW, or F		1 (A)
3.				Total Number of Dom Across All Strata:	inant Species	1 (B)
4		=Total Cover		Percent of Dominant	 Species That	1(B)
Sapling/Shrub Stratum (Plot size: 30')			Are OBL, FACW, or F		00.0% (A/B)
1.	- 					
2				Prevalence Index wo		
3.				Total % Cover of		
5.				· -	0 x 1 = 5 x 2 =	70
o		=Total Cover		· ——	0 x3=	60
Herb Stratum (Plot size: 30')				FACU species (x 4 =	0
1. Cirsium arvense	10	No	FAC		x 5 =	0
2. Dipsacus fullonum	10	No	FAC		`	130 (B)
3. Phalaris arundinacea 4.	35	Yes	FACW	Prevalence Index	= B/A = 2.3	<u>6</u>
5.			-	Hydrophytic Vegetat	ion Indicators:	
6.					Hydrophytic Veget	tation
7.				X 2 - Dominance Te		
8.				X 3 - Prevalence Inc		
9.					Adaptations ¹ (Provi s or on a separate	
10 11.				5 - Wetland Non-		onoct)
	55	=Total Cover			ophytic Vegetation	¹ (Explain)
Woody Vine Stratum (Plot size: 30')			¹ Indicators of hydric s		
1				be present, unless dis		
2		T-4-10		Hydrophytic		
% Bare Ground in Herb Stratum		=Total Cover		Vegetation Present? Yes	X No	
				11030111: 1103		
Remarks:						

SOIL Sampling Point: WDP-17A-24(2)

Profile Desci Depth	ription: (Describe t Matrix	to the dept		ument tl x Featur		itor or o	confirm the	absence o	T indicators	5.)	
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Tex	kture		Remarks	
0-6	10YR 2/2	100					Loamy	//Clayey		roots present	
6-16	10YR 2/2	98	10YR 4/6	2	С	М	,	/Clayey	Promine	ent redox conce	entrations
							•				
	ncentration, D=Depl					oated S	and Grains.			ore Lining, M=I	
-	ndicators: (Applica	ble to all L								ematic Hydric	Soils":
Histosol (,		Sandy Gle	-						(LRR A, E)	// DD D\
	pedon (A2)		Sandy Red						-	Masses (F12)	(LRR D)
Black His	` '		Stripped M	,	,	lovoont	MIDA 1		arent Mater	, ,) \
	Sulfide (A4) ck (A9) (LRR D, G)		Loamy Mu Loamy Gle			(except	. WILKA I)		(Explain in	k Surface (F22 Remarks)	')
	Below Dark Surface	· (Δ11)	Depleted N					Ouilei	(Evhiaiii III	i willaiks)	
	k Surface (A12)	(111)	x Redox Dar	,	,			3Indicators	of hydronh	ytic vegetatior	n and
	ucky Mineral (S1)		Depleted D		` ')				must be pres	
	ucky Peat or Peat (\$	S2) (LRR G			, ,					or problematic	
	ayer (if observed):	, ,	<u> </u>		. ,					•	
Туре:	,										
Depth (in	ches):		_				Hydric S	oil Present	?	Yes X	No
Remarks:						•					
HYDROLO	GY										
Wetland Hyd	rology Indicators:										
_	ators (minimum of o	ne is requir	ed; check all that	apply)				Secondary	/ Indicators	(2 or more red	<u>uired)</u>
Surface V	Vater (A1)		Water-Sta	ined Lea	ives (B9)	(excep	t	Water	-Stained Le	aves (B9) (ML	.RA 1, 2
High Wat	er Table (A2)		MLRA	1, 2, 4A,	and 4B))		4A	, and 4B)		
Saturation			Salt Crust						age Patterns		
Water Ma			Aquatic In							er Table (C2)	
	Deposits (B2)		Hydrogen							on Aerial Ima	gery (C9)
Drift Depo			Oxidized F	•		•	oots (C3)		orphic Posi	` ,	
	or Crust (B4)		Presence		,	,	lo (C6)		w Aquitard	-	
Iron Depo	Soil Cracks (B6)		Recent Iro Stunted or						Neutral Test	. (เมือ) ds (D6) (LRR /	۸۱
	n Visible on Aerial Ir	madery (R7				(D1) (L 1	KK A)			imocks (D7)	A)
	Vegetated Concave	0 , (/ 	лантніт	Kerriai Koj				ricave rium	iiilocks (D7)	
Field Observ											
Surface Wate		s	No x	Depth (i	nches):						
Water Table I	Present? Ye	s			nches):						
Saturation Pre	esent? Ye	s		Depth (i	-		Wetlan	nd Hydrolog	y Present?	Yes X	No
(includes cap	illary fringe)	' <u></u>	' <u>-</u>								
Describe Rec	orded Data (stream	gauge, mo	nitoring well, aeria	l photos	, previous	s inspec	tions), if av	ailable:			
Remarks:											

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Project/Site: Post Creek Hill - US 93		City/Cour	nty: Lake	-	Sampling Date:	9-17-2024
Applicant/Owner: MDT				State: MT	Sampling Point:	WDP-18-24
Investigator(s): B.Cline, F.Doty		Section, T	ownship, Ra	nge: S1 T19 R20W		
Landform (hillside, terrace, etc.): roadside ditch		Local relief (co	ncave, conv	ex, none): <u>concave</u>	Slc	pe (%): <u>0-5</u>
Subregion (LRR/MLRA): LRR E, MLRA 44A	Lat:	47.43125	4 I	ong: <u>-114.096667</u>	Datum:	NAD83
Soil Map Unit Name: Post silty clay loam, 2 to 4 perce	ent slopes			NWI classi	fication: None	
Are climatic / hydrologic conditions on the site typical	for this time o	f year?	Yes X	No (If no, exp	olain in Remarks.)	
Are Vegetation, Soil, or Hydrology	significantly of	disturbed? A	re "Normal C	Circumstances" present?	Yes X N	10
Are Vegetation, Soil, or Hydrology	naturally prol	blematic? (I	f needed, ex	plain any answers in Rei	marks.)	
SUMMARY OF FINDINGS – Attach site m	ap showin	ng sampling	g point lo	cations, transects,	important fea	tures, etc.
Hydrophytic Vegetation Present? Yes X N	lo	Is the	Sampled A	rea		
	lo		a Wetland		No	
	lo					
Remarks:		-				
VEGETATION III	-14-					
VEGETATION – Use scientific names of p	Absolute	Dominant	Indicator			
Tree Stratum (Plot size: 30')	% Cover	Species?	Status	Dominance Test wo	rksheet:	
1				Number of Dominant	Species That	
2.				Are OBL, FACW, or F	AC:	3 (A)
3.	· ——			Total Number of Dom Across All Strata:	inant Species	2 (D)
4		=Total Cover		Percent of Dominant		3 (B)
Sapling/Shrub Stratum (Plot size: 30')	. 514. 5575.		Are OBL, FACW, or F	•	00.0% (A/B)
1.	· ·					
2				Prevalence Index wo		
3.				Total % Cover of		
5.				· —	0 x 1 = 0 x 2 =	0
J	· ——	=Total Cover			20 x 3 =	60
Herb Stratum (Plot size: 30')				·) x 4 =	0
1. Typha latifolia	40	Yes	OBL) x 5 =	0
2. Eleocharis palustris	20	Yes	OBL			120 (B)
3. Poa pratensis	20	Yes	FAC	Prevalence Index	= B/A = 1.5	0
4 5.	· ——			Hydrophytic Vegetat	ion Indicators:	
6.					· Hydrophytic Vege	tation
7.				X 2 - Dominance Te		
8.				X 3 - Prevalence Inc		
9.					Adaptations ¹ (Provi s or on a separate	
10	· ——			5 - Wetland Non-		: Sileet)
11	80	=Total Cover			vasculai Flaits ophytic Vegetation	¹ (Explain)
Woody Vine Stratum (Plot size: 30')			¹ Indicators of hydric s	-	
1.				be present, unless dis		
2.				Hydrophytic		
9/ Para Craund in Harb Stratum		=Total Cover		Vegetation	V N-	
% Bare Ground in Herb Stratum				Present? Yes	XNo	_
Remarks:						

SOIL Sampling Point: WDP-18-24

Profile Desc Depth	cription: (Describe Matrix	to the dept		ı ment tl x Featur		itor or o	confirm the ab	sence of	indicators.)		
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture)		Remarks	
0-4	10YR 3/2	100	`				Loamy/Cla	ıvev	rc	ots present	
4-7	10YR 3/2	100					Loamy/Cla			silty loam	
7-18	10YR 6/2	91	10YR 5/6	9		PL	Loamy/Cla			redox conce	ntrations
7-10	10110/2	91	10113/0	9		- FL	Loaniy/Cia	iyey	FIOIIIIIeiii	Tedox conce	IIII alions
• • • • • • • • • • • • • • • • • • • •	oncentration, D=Dep					oated S			on: PL=Pore		
	Indicators: (Applica	ible to all L					In		for Problem	-	Soils":
Histosol	` '		Sandy Gley		, ,		_		luck (A10) (L		
	pipedon (A2)		Sandy Red				_	_	anganese Ma		LRR D)
	istic (A3)		Stripped M		-	/avaant		_	arent Material	,	
	en Sulfide (A4)		Loamy Muc			(except	(WILRA 1)		hallow Dark S)
	uck (A9) (LRR D, G) d Below Dark Surface	· (Λ11)	Loamy Gle Depleted M	•	. ,			_ Other (Explain in Re	marks)	
	а веюw Dark Surface ark Surface (A12)	= (A 1 1)	Redox Darl	,	,		311	ndicators	of hydrophyti	c vegetation	and
	Mucky Mineral (S1)		Depleted D				.,		d hydrology m	-	
	Mucky Peat or Peat (S2) (LRR G			` '				disturbed or i	•	J110,
	Layer (if observed):				(. 0)			41.11000	<u> </u>		
Type:											
Depth (ii	nches):						Hydric Soil I	Present?		Yes X	No
Remarks:	,										
HYDROLO	OGY										
Wetland Hy	drology Indicators:										
_	cators (minimum of o	ne is requir	ed; check all that a	apply)			S	econdary	Indicators (2	or more requ	uired)
-	Water (A1)	•	Water-Stair		ives (B9)	(ехсер			Stained Leav		
High Wa	ater Table (A2)		MLRA 1	I, 2, 4A,	and 4B)	,		_	and 4B)		
Saturation	on (A3)		Salt Crust ((B11)				Draina	ge Patterns (E	310)	
Water M	larks (B1)		Aquatic Inv	ertebrat	tes (B13)		_	Dry-Se	ason Water T	Table (C2)	
Sedimer	nt Deposits (B2)		Hydrogen S	Sulfide (Odor (C1))		Saturat	tion Visible or	n Aerial Imag	jery (C9)
	posits (B3)		Oxidized R			•	toots (C3)	_	orphic Position	` '	
	at or Crust (B4)		Presence of				-		v Aquitard (D	•	
	posits (B5)		Recent Iron						eutral Test (D	-	
	Soil Cracks (B6)		Stunted or			(D1) (L l	RR A)	_	Ant Mounds		()
	on Visible on Aerial I	0 , (′ 	iain in R	kemarks)			Frost-F	leave Hummo	ocks (D7)	
	,	Surface (L					1				
Field Obser Surface Wat		ne.	No x	Denth (i	nches):						
Water Table					nches):		•				
Saturation P					nches):		. Wetland H	vdrology	Present?	Yes X	No
(includes ca		~ <u> </u>	<u> </u>	Bopui (i	_		.	yu. c.cgy		<u>/</u>	
	corded Data (stream	gauge, mo	nitoring well, aerial	photos	, previous	s inspec	ctions), if availal	ole:			
Remarks:											

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Project/Site: Post Creek Hill - US 93		City/Cour	nty: Lake	•	Sampling Date:	9-16-2024
Applicant/Owner: MDT				State: MT	Sampling Point	: WDP-19A-24
Investigator(s): B.Cline, F.Doty		Section, T	ownship, Ra	nge: S1 T19 R20W		
Landform (hillside, terrace, etc.): pothole		Local relief (co	oncave, conv	ex, none): <u>concave</u>	Sle	ope (%): <u>0-5</u>
Subregion (LRR/MLRA): LRR E, MLRA 44A	Lat:	47.42827	3	_ong: <u>-114.096274</u>	Datum:	: NAD83
Soil Map Unit Name: Post-Ronan-Water complex, 2 to	8 percent sl	opes		NWI classi	fication: PEM1A	
Are climatic / hydrologic conditions on the site typical f	or this time o	f year?	Yes X	No (If no, exp	olain in Remarks.)	
Are Vegetation, Soil, or Hydrology	significantly	disturbed? A	re "Normal 0	Circumstances" present?	Yes X 1	No
Are Vegetation, Soil, or Hydrology	naturally prol	olematic? (I	f needed, ex	plain any answers in Rei	marks.)	
SUMMARY OF FINDINGS – Attach site m	ap showir	ıg sampling	g point lo	cations, transects,	important fea	ıtures, etc.
Hydrophytic Vegetation Present? Yes X N	0	Is the	Sampled A	rea		
	0		n a Wetland		No	
	0					
Remarks:						
VECETATION Line seigntific nomes of m	Janta					
VEGETATION – Use scientific names of p	Absolute	Dominant	Indicator			
Tree Stratum (Plot size: 30')	% Cover	Species?	Status	Dominance Test wor	ksheet:	
1				Number of Dominant	•	
2.				Are OBL, FACW, or F		2 (A)
3				Total Number of Dom Across All Strata:	inant Species	2 (P)
4		=Total Cover		Percent of Dominant	Species That	<u>2</u> (B)
Sapling/Shrub Stratum (Plot size: 30')			Are OBL, FACW, or F		100.0% (A/B)
1.						
2				Prevalence Index wo		
3.				Total % Cover of OBL species 2		20
4 5.				'	0 x1= 5 x2=	90
		=Total Cover			5 x 3 =	45
Herb Stratum (Plot size: 30')					x 4 =	0
Phalaris arundinacea	45	Yes	FACW		x 5 =	0
2. Eleocharis palustris	20	Yes	OBL		0 (A)	155 (B)
3. Rumex crispus 4.	15	No	FAC	Prevalence Index	= B/A = 1.9	14
5.				Hydrophytic Vegetat	ion Indicators:	
6.	<u> </u>				Hydrophytic Vege	etation
7.	<u> </u>			X 2 - Dominance Te		
8.				X 3 - Prevalence Inc		
9.				4 - Morphological	Adaptations '(Prov s or on a separate	
10 11				5 - Wetland Non-	•	3 011001)
··· <u>·</u>	80	=Total Cover			ophytic Vegetation	า ¹ (Explain)
Woody Vine Stratum (Plot size: 30')			¹ Indicators of hydric s	· · ·	
1				be present, unless dis		
2		T-4-1-0		Hydrophytic		
% Bare Ground in Herb Stratum		=Total Cover		Vegetation Present? Yes	X No	
Remarks:				. 1000111. 100		
iveillains.						

SOIL Sampling Point: WDP-19A-24

Depth	cription: (Describe t Matrix	o tne dep		ument tr x Featur		itor or 0	confirm the absence	oi indicators.)	
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks	
0-6	10YR 3/2	100	, ,				Loamy/Clayey	roots present	
6-16	10YR 3/2	40	7.5YR 4/6	30	С	М	Loamy/Clayey	30% 7.5YR 5/2	
	10111 0/2		7.011(4/0				Loamyrolayey	00707.01110/2	
								1	
			_						
• •	oncentration, D=Depl					oated S		ation: PL=Pore Lining, M=Matrix	_
	Indicators: (Application	ble to all						rs for Problematic Hydric Soils	}³:
Histosol	` '		Sandy Gle	•	rix (S4)			n Muck (A10) (LRR A, E)	
	pipedon (A2)		Sandy Red					-Manganese Masses (F12) (LRR	D)
	istic (A3)		Stripped M		-			Parent Material (F21)	
	en Sulfide (A4)		Loamy Mu	-		(except	· — ·	Shallow Dark Surface (F22)	
	uck (A9) (LRR D, G)		Loamy Gle	-			Othe	er (Explain in Remarks)	
	d Below Dark Surface	(A11)	Depleted N	`	,		3		
	ark Surface (A12)		X Redox Dar		, ,			ors of hydrophytic vegetation and	
	Mucky Mineral (S1)	20) (I DD (Depleted [, ,			and hydrology must be present,	
	Mucky Peat or Peat (S	52) (LRR (Redox Dep	pression	S (F8)	1	unie	ss disturbed or problematic.	
	Layer (if observed):								
Type: Depth (i	nchos):						Hydric Soil Presen	nt? Yes X No	
Remarks:							Hydric 30ii Fresen	it: Tes 🔨 No	
HYDROLO	OGY								
Wetland Hy	drology Indicators:								
_	cators (minimum of o	ne is requi	red; check all that	apply)			Seconda	ary Indicators (2 or more required)
Surface	Water (A1)		Water-Sta	ined Lea	ves (B9)	(excep	tWat	er-Stained Leaves (B9) (MLRA 1	, 2
High Wa	ater Table (A2)		MLRA	1, 2, 4A,	and 4B)		4	A, and 4B)	
Saturation			Salt Crust					nage Patterns (B10)	
Water M	larks (B1)		Aquatic In	vertebrat	es (B13)		Dry-	Season Water Table (C2)	
	nt Deposits (B2)		Hydrogen					ıration Visible on Aerial Imagery ((C9)
	posits (B3)		Oxidized F			U	` ′ —	morphic Position (D2)	
	at or Crust (B4)		Presence					llow Aquitard (D3)	
	posits (B5)		Recent Iro					-Neutral Test (D5)	
	Soil Cracks (B6)		Stunted or			(D1) (LI	, <u> </u>	sed Ant Mounds (D6) (LRR A)	
	on Visible on Aerial Ir y Vegetated Concave		<i>'</i> — ` ` '	nain in R	emarks)		Fros	t-Heave Hummocks (D7)	
Field Obser	, ,	Surface (i	50)						
Surface Wat		e	No x	Depth (i	nchee).				
Water Table			No <u>x</u> No x	Depth (i	· -				
Saturation P			No x	Depth (i	_		Wetland Hydrolo	ogy Present? Yes X No)
(includes ca			<u> </u>	Dopui (i			- Trottana riyaroro	.g, 1.000 100 <u>.x</u> 110	
	corded Data (stream	gauge, m	onitoring well, aeria	l photos,	previous	s inspec	tions), if available:		
Remarks:									

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

Project/Site: Post Creek Hill - US 93	•	City/Cou	nty: Lake		Sampling Date:	9-17-2024
Applicant/Owner: MDT				State: MT	Sampling Point:	WDP-19C-24
Investigator(s): B.Cline, F.Doty		Section, T	ownship, Ra	nge: S1 T19 R20W		
Landform (hillside, terrace, etc.): pothole		Local relief (co	oncave, conv	ex, none): <u>concave</u>	Slo	pe (%): <u>0-5</u>
Subregion (LRR/MLRA): LRR E, MLRA 44A	Lat:	47.43071	8 I	_ong: <u>-114.096194</u>	Datum:	NAD83
Soil Map Unit Name: Post-Ronan-Water complex, 2	to 8 percent sl	opes		NWI classi	fication: PEM1F	
Are climatic / hydrologic conditions on the site typical	al for this time o	f year?	Yes X	No (If no, ex	olain in Remarks.)	
Are Vegetation, Soil, or Hydrology	significantly	disturbed? A	re "Normal C	Circumstances" present?	Yes X N	0
Are Vegetation, Soil, or Hydrology	naturally prol	blematic? (I	f needed, ex	plain any answers in Re	marks.)	
SUMMARY OF FINDINGS – Attach site	map showir	ng sampling	g point lo	cations, transects,	important feat	ures, etc.
Hydrophytic Vegetation Present? Yes X	No	Is the	Sampled A	rea		
Hydric Soil Present? Yes X	No		n a Wetland		No	
Wetland Hydrology Present? Yes X	No					
Remarks:		•				
VECETATION Line ecientific names of	f nlanta					
VEGETATION – Use scientific names of	Absolute	Dominant	Indicator			
Tree Stratum (Plot size: 30')	% Cover	Species?	Status	Dominance Test wo	rksheet:	
1.				Number of Dominant		
2			-	Are OBL, FACW, or F		2 (A)
3				Total Number of Dom Across All Strata:	inant Species	2 (B)
	<u> </u>	=Total Cover		Percent of Dominant	Species That	(-)
Sapling/Shrub Stratum (Plot size: 30')			Are OBL, FACW, or F	•	0.0% (A/B)
1.						
2				Prevalence Index wo Total % Cover o		, by:
3. 4.			-	-	f: Multiply 0 x 1 =	60
5.	<u> </u>				0 x 2 =	80
		=Total Cover			x 3 =	0
Herb Stratum (Plot size: 30')) x 4 =	0
Typha latifolia Phalaris arundinacea	<u>60</u> 40	Yes Yes	FACW) x 5 = (A)	0 140 (B)
3.		163	TACV	Prevalence Index		
4.	<u> </u>					
5.				Hydrophytic Vegetat	ion Indicators:	
6.					Hydrophytic Veget	ation
7. 8.				X 2 - Dominance Te		
					Adaptations ¹ (Provi	de supportina
10					s or on a separate	
11.				5 - Wetland Non-		
	100	=Total Cover			ophytic Vegetation ¹	
Woody Vine Stratum (Plot size: 30'	_)			¹ Indicators of hydric s		
1				be present, unless dis	numbed of problems	uo.
_		=Total Cover		Hydrophytic Vegetation		
% Bare Ground in Herb Stratum					X No	_
Remarks:						

SOIL Sampling Point: WDP-19C-24

Profile Desc Depth	cription: (Describe Matrix	to the dep		ı ment tl x Featur		tor or c	confirm the	absence of	f indicators.)	
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Text	ure		Remarks	
0-4	10YR 3/2	100	, ,				Loamy/			roots present	
4-7	10YR 3/2	100					Loamy/		<u>'</u>	515 procont	
		91	10VD 5/6			DI			Dromine	t rodov con-	ntrations
7-18	10YR 6/2	91	10YR 5/6	9	<u>C</u>	PL	Loamy/	ciayey	Prominen	t redox conce	ะแนนแอทร
							· -				
	oncentration, D=Dep					oated Sa	and Grains.			e Lining, M=N	
	Indicators: (Applica	ble to all l	_RRs, unless othe	rwise n	oted.)					natic Hydric	Soils ³ :
Histosol	` '		Sandy Gle		, ,				Иuck (A10) (I		
	oipedon (A2)		Sandy Red						-	asses (F12) ((LRR D)
	stic (A3)		Stripped M	,	,				arent Materia	,	
	en Sulfide (A4)		Loamy Mud	-		(except	MLRA 1)			Surface (F22	2)
	ıck (A9) (LRR D, G)		Loamy Gle					Other	(Explain in R	lemarks)	
	d Below Dark Surface	e (A11)	Depleted M	,	,			31 11 1			
	ark Surface (A12)		Redox Dar							tic vegetation	
	Mucky Mineral (S1)	00) (1 55 5	Depleted D		` '					must be pres	ent,
	Mucky Peat or Peat (Redox Dep	ression	s (۲४)	1		unless	alsturbed or	problematic.	
	Layer (if observed):										
Type:	nohoo):						Usedeia Ca	il Brosser*	,	Voc. V	No
Depth (ii Remarks:	nones).						nyaric Sc	oil Present?	r .	Yes X	No
HYDROLO	OGY										
Wetland Hy	drology Indicators:										
-	cators (minimum of o	ne is requi	red; check all that a	apply)				Secondary	/ Indicators (2	2 or more req	uired)
-	Water (A1)		x Water-Stai		ives (B9)	(excep	t	Water	-Stained Lea	ves (B9) (ML	RA 1, 2
High Wa	ater Table (A2)		MLRA 1	I, 2, 4A,	and 4B)			4A,	, and 4B)		
Saturation			Salt Crust						ige Patterns	• •	
Water M	larks (B1)		Aquatic Inv	ertebra	tes (B13)			Dry-Se	eason Water	Table (C2)	
	nt Deposits (B2)		Hydrogen S							on Aerial Ima	gery (C9)
	posits (B3)		Oxidized R			U	oots (C3)		orphic Position	` '	
	at or Crust (B4)		Presence of		-				w Aquitard ([,	
	posits (B5)		Recent Iron						leutral Test (•	• `
	Soil Cracks (B6)		Stunted or			(D1) (Li	KR A)			s (D6) (LRR /	A)
	on Visible on Aerial I	0 , (<i>'</i> ` ' '	iain in F	kemarks)			rrost-l	Heave Humn	HOCKS (D7)	
Field Obser		ouriace (E	50,				1				
Surface Wat		99	No x	Denth /i	inches):						
Water Table					inches) inches):		• [
Saturation P					inches):		Wetland	d Hydrolog	y Present?	Yes X	No
(includes car			<u> </u>	_ ~P~!! (!	_				,	· • • · · · ·	···•
	corded Data (stream	gauge, mo	onitoring well, aerial	photos	, previous	s inspec	ctions), if ava	ilable:			
Remarks:											
. tomaino.											

U.S. Army Corps of Engineers

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

OMB Control #: 0710-0024, Exp: 11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)

Project/Site: Post Creek Hill - US 93		City/Cour	nty: Lake	-	Sampling Date:	9-17-2024
Applicant/Owner: MDT				State: MT	Sampling Point:	WDP-19E-24
Investigator(s): B.Cline, F.Doty		Section, T	ownship, Rai	nge: S1 T19 R20W		
Landform (hillside, terrace, etc.): pothole		Local relief (co	oncave, conv	ex, none): concave	Slo	pe (%): <u>0-5</u>
Subregion (LRR/MLRA): LRR E, MLRA 44A	Lat:	47.43172	20 L	ong: -114.096321	Datum:	NAD93
Soil Map Unit Name: Post silty clay loam, 2 to 4 perce	nt slopes			NWI classi	fication: PEM1F	
Are climatic / hydrologic conditions on the site typical f	or this time o	f year?	Yes X	No (If no, ex	plain in Remarks.)	
Are Vegetation, Soil, or Hydrology	significantly of	disturbed? A	re "Normal C	ircumstances" present?	Yes X N	10
Are Vegetation , Soil , or Hydrology			f needed, ex	plain any answers in Rei	marks.)	
SUMMARY OF FINDINGS – Attach site m	ap showin	ıg samplinç	g point lo	cations, transects,	important fea	tures, etc.
Hydrophytic Vegetation Present? Yes X N	lo	Is the	Sampled A	rea		
	o		n a Wetland		No	
	0					
Remarks:						
VEGETATION – Use scientific names of p		Damainant	la di a atau			
<u>Tree Stratum</u> (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test wo	rksheet:	
1.		'		Number of Dominant	Species That	
2.				Are OBL, FACW, or F	•	1 (A)
3				Total Number of Dom	inant Species	
4		T-4-1-0		Across All Strata:		(B)
Sapling/Shrub Stratum (Plot size: 30'	,——	=Total Cover		Percent of Dominant : Are OBL, FACW, or F	•	00.0% (A/B)
1.	,			Ale OBE, I AOW, OI I	<u></u>	<u>50.070</u> (A/D)
2.				Prevalence Index wo	orksheet:	
3.		·		Total % Cover of	f: Multipl	y by:
4					<u>50</u> x 1 =	60
5					0 x 2 =	20
Herb Stratum (Plot size: 30')		=Total Cover			5 x 3 = 0 x 4 =	45 0
Herb Stratum (Plot size: 30') 1. Typha latifolia	60	Yes	OBL		0 x5=	0
Barbarea vulgaris	5	No	FAC			125 (B)
3. Epilobium ciliatum	10	No	FACW	Prevalence Index		
4. Dipsacus fullonum	10	No	FAC			
5				Hydrophytic Vegetat	ion Indicators:	
6					Hydrophytic Vege	tation
7.				X 2 - Dominance Te		
8. 9.				X 3 - Prevalence Inc	dex is ≤3.0° Adaptations¹(Prov	ido ounnartina
					ks or on a separate	
10 11.				5 - Wetland Non-		,
	85	=Total Cover			ophytic Vegetation	¹ (Explain)
Woody Vine Stratum (Plot size: 30')			¹ Indicators of hydric s		
1				be present, unless dis		
2				Hydrophytic		
% Bare Ground in Herb Stratum		=Total Cover		Vegetation Present? Yes	X No	
				r-resetti 162	<u>X</u> No	
Remarks:						

SOIL Sampling Point: WDP-19E-24

	cription: (Describe	to the depth				tor or o	confirm the	absence of	f indicators.)		
Depth	Matrix			k Featur		12				Damanica	
(inches)	Color (moist)	<u>%</u> _	Color (moist)	<u>%</u>	Type ¹	Loc ²	Text			Remarks	
0-4	10YR 3/2	100					Loamy/		r	oots present	
4-7	10YR 3/2	100					Loamy/			silty loam	
7-18	10YR 6/2	91	10YR 5/6	9	<u>C</u>	PL	Loamy/	Clayey	Prominent	redox conce	ntrations
¹ Type: C=C	oncentration, D=Dep	letion, RM=F	Reduced Matrix, C	S=Cove	ered or Co	ated S	and Grains.	² Locat	ion: PL=Pore	e Lining, M=N	latrix.
Hydric Soil	Indicators: (Applica	ble to all Li	RRs, unless othe	rwise n	oted.)			Indicators	for Problem	natic Hydric (Soils³:
Histosol			Sandy Gle						Muck (A10) (L		
	pipedon (A2)		Sandy Red						langanese Ma		LRR D)
	istic (A3)		Stripped M	,	,				arent Materia	, ,	
	en Sulfide (A4)		Loamy Muc	-		except	MLRA 1)		Shallow Dark		
	uck (A9) (LRR D, G)	- (0.44)	Loamy Gle					Other	(Explain in Re	emarks)	
	d Below Dark Surface ark Surface (A12)	e (A11)	Depleted M Redox Dar	,	,			3Indicators	of hydrophyt	io vocatation	and
	Mucky Mineral (S1)		Depleted D						id hydrology r	•	
	Mucky Peat or Peat (S2) (I RR G)			` '				disturbed or		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
	Layer (if observed):				· (i · o)			4111000	, diotalbod of	problematic.	
Type:	,										
Depth (i	nches):		_				Hydric So	oil Present?	?	Yes X	No
Remarks:	,									-	
HYDROLO											
	drology Indicators:										
-	cators (minimum of c	ne is require			(50)	,			/ Indicators (2	•	
	Water (A1)		_x_Water-Stai			(excep	τ		-Stained Leav	/es (B9) (IVILI	KA 1, 2
Saturation	ater Table (A2)		Salt Crust		and 4B)				, and 4B) age Patterns ('B10\	
	larks (B1)		Aquatic Inv		tes (R13)				eason Water		
	nt Deposits (B2)		Hydrogen						ation Visible o		ery (C9)
	posits (B3)		Oxidized R				toots (C3)		orphic Positio	_	o.y (00)
	at or Crust (B4)		Presence of			•	(/		w Aquitard (D	` '	
Iron Dep	posits (B5)		Recent Iron	n Reduc	tion in Til	led Soil	ls (C6)	FAC-N	leutral Test (I	D5)	
Surface	Soil Cracks (B6)		Stunted or	Stresse	d Plants	(D1) (L l	RR A)	Raised	d Ant Mounds	(D6) (LRR A	١)
	on Visible on Aerial I			lain in F	Remarks)			Frost-l	Heave Humm	ocks (D7)	
Sparsely	y Vegetated Concave	Surface (B	3)								
Field Obser	vations:										
Surface Wat	ter Present? Ye	es	No x	Depth (i	nches): _		i				
Water Table		es			nches): _		.				
Saturation P		es	No <u>x</u>	Depth (i	nches): _		Wetland	d Hydrolog	y Present?	Yes X	No
	pillary fringe)										
Describe Re	corded Data (stream	gauge, mor	nitoring well, aerial	pnotos	, previous	inspec	ctions), if ava	aliable:			
Remarks:											

U.S. Army Corps of Engineers

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

OMB Control #: 0710-0024, Exp: 11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)

Project/Site: Post Creek Hill - US 93	City/County: Lake	Sampling Date: 9-17-2024
Applicant/Owner: MDT	State: MT	Sampling Point: WDP-20-24
Investigator(s): B.Cline, F.Doty	Section, Township, Range: S1 T19 R20W	
Landform (hillside, terrace, etc.): pothole	Local relief (concave, convex, none): concave	Slope (%): <u>0-5</u>
Subregion (LRR/MLRA): LRR E, MLRA 44A La	t: 47.432930 Long: -114.097152	Datum: NAD83
Soil Map Unit Name: Post silty clay loam, 2 to 4 percent slo	pes NWI classi	ification: PEM1Ch
Are climatic / hydrologic conditions on the site typical for the	time of year? Yes X No (If no, ex	plain in Remarks.)
Are Vegetation, Soil, or Hydrologysigni	icantly disturbed? Are "Normal Circumstances" present?	Yes X No
Are Vegetation, Soil, or Hydrologynatu	ally problematic? (If needed, explain any answers in Re	marks.)
SUMMARY OF FINDINGS – Attach site map s	howing sampling point locations, transects,	important features, etc.
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area	
Hydric Soil Present? Yes X No		No
Wetland Hydrology Present? Yes X No		·
Remarks:	•	
VEGETATION – Use scientific names of plan		
	solute Dominant Indicator	
Tree Stratum (Plot size: 30') %	Cover Species? Status Dominance Test wo	rksheet:
1	Number of Dominant	•
2. 3.		
4	Total Number of Dom Across All Strata:	ninant Species 2 (B)
	=Total Cover Percent of Dominant	
Sapling/Shrub Stratum (Plot size: 30')	Are OBL, FACW, or F	•
1		
2		
3	OBL anguing	$\frac{\text{f:}}{80} \frac{\text{Multiply by:}}{\text{x 1} = 80}$
5.		$\frac{20}{20}$ $\times 2 = \frac{30}{40}$
	=Total Cover FAC species	0 x 3 = 0
Herb Stratum (Plot size: 30')		0 x 4 = 0
Typha latifolia Phalaris arundinacea		$\frac{0}{00}$ x 5 = $\frac{0}{120}$ (B)
3.	Prevalence Index	
4.		
5.	Hydrophytic Vegeta	tion Indicators:
6		r Hydrophytic Vegetation
7	X 2 - Dominance To X 3 - Prevalence In	
8		Adaptations ¹ (Provide supporting
10		ks or on a separate sheet)
11	5 - Wetland Non-	
	100 =Total Cover Problematic Hydr	rophytic Vegetation ¹ (Explain)
Woody Vine Stratum (Plot size: 30')		soil and wetland hydrology must
1		sturbed or problematic.
	=Total Cover Hydrophytic Vegetation	
% Bare Ground in Herb Stratum		X No
Remarks:		

SOIL Sampling Point: WDP-20-24

	ription: (Describe	to the depth				tor or o	confirm the	absence o	f indicators	.)	
Depth	Matrix			x Featur		. 2	_				
(inches)	Color (moist)	<u> </u>	Color (moist)		Type ¹	Loc ²	Tex			Remarks	
0-4	10YR 2/2	100					Loamy/	/Clayey		roots present	
4-8	10YR 2/2	100					Loamy/	/Clayey		silty loam	
8-16	10YR 5/2	96	7.5YR 3/4	4	<u>C</u>	M	Loamy/	/Clayey	Distinct	redox concen	trations
		· • • • • • • • • • • • • • • • • • • •					,				
							-				
		· — —					-				
¹ Type: C=Co	ncentration, D=Dep	letion RM=R	Reduced Matrix C	S=Cove	ered or Co	nated S	and Grains	² l oca	ion: PI =Po	re Lining, M=N	Matrix
	ndicators: (Application					Jaiou C	ana Oranio.			matic Hydric	
Histosol (Sandy Gle						Muck (A10) (-	
I —	pedon (A2)		Sandy Red	-						/asses (F12) (LRR D)
Black His			Stripped M						arent Materi		,
Hydroger	Sulfide (A4)		Loamy Mu	cky Mine	eral (F1) ((except	MLRA 1)	Very S	Shallow Dark	Surface (F22)
1 cm Mud	ck (A9) (LRR D, G)		Loamy Gle	yed Ma	trix (F2)			Other	(Explain in F	Remarks)	
X Depleted	Below Dark Surfac	e (A11)	Depleted N	∕latrix (F	3)						
Thick Da	rk Surface (A12)		Redox Dar	k Surfac	ce (F6)			³ Indicators	of hydrophy	tic vegetation	and
Sandy Mi	ucky Mineral (S1)		Depleted D	Oark Sur	face (F7)			wetlar	nd hydrology	must be prese	ent,
2.5 cm M	ucky Peat or Peat (S2) (LRR G)	Redox Dep	oression	s (F8)			unless	s disturbed o	r problematic.	
Restrictive L	ayer (if observed):	:									
Type:			_								
Depth (in	ches):		_				Hydric So	oil Present	?	Yes X	No
Remarks:											
HYDROLO	GY										
	rology Indicators:										
_	ators (minimum of		d: check all that a	(vlaae				Secondar	/ Indicators (2 or more req	uired)
-	Vater (A1)	ono lo roquiro	x Water-Stai		ves (B9)	(excep	<u>t</u>			aves (B9) (ML	-
	er Table (A2)				and 4B)				, and 4B)	(- / (,
Saturation			Salt Crust	(B11)	,				age Patterns	(B10)	
Water Ma	arks (B1)		Aquatic Inv	vertebra	tes (B13)			Dry-S	eason Wate	r Table (C2)	
Sediment	Deposits (B2)		Hydrogen	Sulfide (Odor (C1))		Satura	ation Visible	on Aerial Imaç	gery (C9)
Drift Depo	osits (B3)		Oxidized F	Rhizosph	eres on L	iving R	oots (C3)	x Geom	orphic Posit	ion (D2)	
	or Crust (B4)		Presence		`	,			w Aquitard (
Iron Depo			Recent Iro						Neutral Test	` '	
	Soil Cracks (B6)		Stunted or			(D1) (L l	RR A)			ls (D6) (LRR A	A)
	n Visible on Aerial		Other (Exp	lain in F	Remarks)			Frost-	Heave Humi	mocks (D7)	
	Vegetated Concave	e Surface (B8	5)								
Field Observ				5							
Surface Wate		es			inches): _						
Water Table I		es			inches): _		Matle	al Usalus Is	v Droom-10	Vac V	Ne
Saturation Pro		es	No <u>x</u>	nehru (I	inches):		vvetian	u nyurolog	y Present?	Yes X	No
(includes cap	illary iringe) orded Data (stream	ndalide mon	itoring well seria	l nhotos	nrevious	inenec	tions) if ave	ailahle:			
Pesoning I/60	oraca Data (Stredit	i gauge, mon	noming wen, acid	, priotos	, previous	, maper	nionioj, ii ava	abi6.			
Remarks:											

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WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

OMB Control #: 0710-0024, Exp: 11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)

Project/Site: Post Creek Hill - US 93		City/Cour	nty: Lake	•	Sampling Date:	9-17-2024
Applicant/Owner: MDT				State: MT	Sampling Point:	WDP-21A-24
Investigator(s): B.Cline, F.Doty		Section, T	ownship, Rar	nge: S2 T19 R20W		
Landform (hillside, terrace, etc.): field		Local relief (co	oncave, conve	ex, none): <u>concave</u>	Slo	pe (%): <u>0-5</u>
Subregion (LRR/MLRA): LRR E, MLRA 44A	Lat:	47.43317	73 L	ong: <u>-114.097465</u>	Datum:	NAD83
Soil Map Unit Name: Post silty clay loam, 2 to 4 per	cent slopes			NWI classi	fication: PEM1Ch	
Are climatic / hydrologic conditions on the site typica	I for this time o	f year?	Yes X	No (If no, exp	olain in Remarks.)	
Are Vegetation, Soil, or Hydrology	_significantly	disturbed? A	Are "Normal C	ircumstances" present?	Yes X N	0
Are Vegetation, Soil, or Hydrology	_naturally prol	olematic? (I	If needed, exp	olain any answers in Rei	narks.)	
SUMMARY OF FINDINGS – Attach site r	nap showir	ıg samplinç	g point loc	ations, transects,	important feat	ures, etc.
Hydrophytic Vegetation Present? Yes X	No	Is the	Sampled Ar	ea		
	No		n a Wetland?		No	
	No					
Remarks:						
VEGETATION – Use scientific names of	nlanta					
VEGETATION - Use scientific finites of	Absolute	Dominant	Indicator			
Tree Stratum (Plot size: 30')	% Cover	Species?	Status	Dominance Test wor	rksheet:	
1.				Number of Dominant	•	_ ,,,
2.				Are OBL, FACW, or F		2 (A)
3				Total Number of Dom Across All Strata:	inant Species	2 (B)
		=Total Cover		Percent of Dominant	Species That	(=)
Sapling/Shrub Stratum (Plot size: 30'	_)			Are OBL, FACW, or F		00.0% (A/B)
1						
2				Prevalence Index wo		, by
				Total % Cover of OBL species 1		у бу. 10
5.						170
		=Total Cover		FAC species () x 3 =	0
Herb Stratum (Plot size: 30')					x 4 =	0
1. Chenopodium rubrum	25	Yes	FACW		x 5 =	0 100 (D)
Phalaris arundinacea Rorippa palustris	60	Yes No	FACW OBL	Column Totals: 9 Prevalence Index		180 (B)
4.		140		1 Tevalence index	- b/A - 1.03	
5.				Hydrophytic Vegetat	ion Indicators:	
6.				1 - Rapid Test for	Hydrophytic Veget	ation
7				X 2 - Dominance Te		
8.				X 3 - Prevalence Inc		
9.					Adaptations ¹ (Provi s or on a separate	
10 11.				5 - Wetland Non-	•	,
	95	=Total Cover		Problematic Hydr	ophytic Vegetation ¹	(Explain)
Woody Vine Stratum (Plot size: 30')			¹ Indicators of hydric s		
1.				be present, unless dis	turbed or problema	ıtic.
2		=Total Cover		Hydrophytic		
% Bare Ground in Herb Stratum		- TOTAL COVEL		Vegetation Present? Yes	X No	
Remarks:						
Tomano.						

SOIL Sampling Point: WDP-21A-24

Depth	Matrix		Redo	x Featur	es		confirm the a		
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Textu	ıre	Remarks
0-2	10YR 2/1	100	, ,						Organic Matter
2-8	10YR 2/2	95	7.5YR 3/4	5	С	M	Loamy/C	Clavey	Distinct redox concentrations
8-16	10YR 4/2	98	7.5YR 3/4	2		M	Loamy/C		Distinct redox concentrations
0-10	10117.4/2	90	7.511\ 5/4			IVI	Loaniy/C	Лаусу	Distillet redux concentrations
							-	 .	
							-		
	oncentration, D=Depl					oated S			ion: PL=Pore Lining, M=Matrix.
	Indicators: (Applica	ble to all							s for Problematic Hydric Soils ³ :
Histosol	` '		Sandy Gle	•	rix (54)		•		Muck (A10) (LRR A, E)
	pipedon (A2)		Sandy Red		2)				langanese Masses (F12) (LRR D)
	istic (A3) en Sulfide (A4)		Stripped M Loamy Mu	,	•	levcent	MIRA 1)		arent Material (F21) Shallow Dark Surface (F22)
	uck (A9) (LRR D, G)		Loamy Gle			(evcehi	. IIILIXA I)		(Explain in Remarks)
	d Below Dark Surface	e (A11)	Depleted N	-					(Explain in Nomaiks)
	ark Surface (A12)	. (' ' ' ')	X Redox Dar	`	,			³ Indicators	of hydrophytic vegetation and
	/lucky Mineral (S1)		Depleted [)			nd hydrology must be present,
	Mucky Peat or Peat (S2) (LRR (, ,				disturbed or problematic.
Restrictive	Layer (if observed):								
Type:	,								
Depth (ii	nches):						Hydric So	il Present?	? Yes <u>X</u> No
Remarks:									
HYDROLO	OGY								
Wetland Hy	drology Indicators:	ne is requi	red; check all that	apply)				Secondary	v Indicators (2 or more required)
Wetland Hy Primary Indic		ne is requi			ves (B9)	(excep			/ Indicators (2 or more required) -Stained Leaves (B9) (MLRA 1, 2
Wetland Hy Primary India Surface	drology Indicators: cators (minimum of o	ne is requi	Water-Sta	ined Lea	ves (B9) and 4B)	-		Water	v Indicators (2 or more required) -Stained Leaves (B9) (MLRA 1, 2, and 4B)
Wetland Hy Primary India Surface High Wa Saturatio	rdrology Indicators: cators (minimum of o Water (A1) ater Table (A2) on (A3)	ne is requi	Water-Sta MLRA Salt Crust	ined Lea 1, 2, 4A, (B11)	and 4B))		Water 4A , Draina	-Stained Leaves (B9) (MLRA 1, 2 , and 4B) age Patterns (B10)
Wetland Hy Primary India Surface High Wa Saturatio	rdrology Indicators: cators (minimum of o Water (A1) ater Table (A2)	ne is requi	Water-Sta	ined Lea 1, 2, 4A, (B11)	and 4B))		Water 4A , Draina	-Stained Leaves (B9) (MLRA 1, 2 , and 4B)
Wetland Hy Primary India Surface High Wa Saturatio Water M Sedimer	rdrology Indicators: cators (minimum of o Water (A1) ater Table (A2) on (A3) farks (B1) nt Deposits (B2)	ne is requi	Water-Sta MLRA Salt Crust	ined Lea 1, 2, 4A, (B11) vertebrat	and 4B) es (B13))		Water 4A, Draina Dry-Se Satura	-Stained Leaves (B9) (MLRA 1, 2 , and 4B) age Patterns (B10) eason Water Table (C2) attion Visible on Aerial Imagery (C9)
Wetland Hy Primary India Surface High Wa Saturatia Water M Sedimer Drift Dep	rdrology Indicators: cators (minimum of o Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3)	ne is requi	Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F	ined Lea 1, 2, 4A, (B11) vertebrat Sulfide (Rhizosph	and 4B) es (B13) Odor (C1) eres on l) _iving R	t	Water 4A, Draina Dry-Se Satura x Geom	e-Stained Leaves (B9) (MLRA 1, 2 , and 4B) age Patterns (B10) eason Water Table (C2) ation Visible on Aerial Imagery (C9) orphic Position (D2)
Primary India Surface High Wa Saturatio Water M Sedimer Drift Dep x Algal Ma	rdrology Indicators: cators (minimum of o Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4)	ne is requi	Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F Presence	ined Lea 1, 2, 4A, (B11) vertebrat Sulfide (Rhizosph of Reduce	es (B13) Odor (C1) eres on Led Iron () _iving R (C4)	oots (C3)	Water 4A, Draina Dry-Se Satura x Geome	a-Stained Leaves (B9) (MLRA 1, 2 , and 4B) age Patterns (B10) eason Water Table (C2) ation Visible on Aerial Imagery (C9) orphic Position (D2) w Aquitard (D3)
Wetland Hy Primary India Surface High Wa Saturatia Water M Sedimer Drift Deg X Algal Ma Iron Dep	rdrology Indicators: cators (minimum of o Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5)	ne is requi	Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro	ined Lea 1, 2, 4A, (B11) vertebrat Sulfide C Rhizosph of Reduc n Reduc	es (B13) Odor (C1) eres on Led Iron (tion in Ti) _iving R (C4) lled Soi	oots (C3)	Water 4A, Draina Dry-Se Satura x Geom Shallo FAC-N	-Stained Leaves (B9) (MLRA 1, 2, and 4B) age Patterns (B10) eason Water Table (C2) ation Visible on Aerial Imagery (C9) orphic Position (D2) w Aquitard (D3) Neutral Test (D5)
Wetland Hy Primary India Surface High Wa Saturatio Water M Sedimer Drift Dep x Algal Ma Iron Dep x Surface	rdrology Indicators: cators (minimum of o Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6)		Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Stunted or	ined Lea 1, 2, 4A, (B11) vertebrat Sulfide (Rhizosph of Reduc n Reduce	es (B13) Odor (C1) eres on Led Iron (tion in Ti) _iving R (C4) lled Soi (D1) (L l	oots (C3)	Water 4A, Draina Dry-Se Satura X Geom Shallo FAC-N Raiseo	-Stained Leaves (B9) (MLRA 1, 2, and 4B) age Patterns (B10) eason Water Table (C2) ation Visible on Aerial Imagery (C9) orphic Position (D2) w Aquitard (D3) Neutral Test (D5) d Ant Mounds (D6) (LRR A)
Wetland Hy Primary India Surface High Wa Saturatio Water M Sedimer Drift Dep x Algal Ma Iron Dep x Surface Inundation	rdrology Indicators: cators (minimum of o Water (A1) ater Table (A2) on (A3) farks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) on Visible on Aerial Ir	magery (B	Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Stunted or Other (Exp	ined Lea 1, 2, 4A, (B11) vertebrat Sulfide (Rhizosph of Reduc n Reduce	es (B13) Odor (C1) eres on Led Iron (tion in Ti) _iving R (C4) lled Soi (D1) (L l	oots (C3)	Water 4A, Draina Dry-Se Satura X Geom Shallo FAC-N Raiseo	-Stained Leaves (B9) (MLRA 1, 2, and 4B) age Patterns (B10) eason Water Table (C2) ation Visible on Aerial Imagery (C9) orphic Position (D2) w Aquitard (D3) Neutral Test (D5)
Wetland Hy Primary India Surface High Wa Saturatia Water M Sedimer Drift Dep x Algal Ma Iron Dep x Surface Inundati Sparsely	rdrology Indicators: cators (minimum of o Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) on Visible on Aerial Ir y Vegetated Concave	magery (B	Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Stunted or Other (Exp	ined Lea 1, 2, 4A, (B11) vertebrat Sulfide (Rhizosph of Reduc n Reduce	es (B13) Odor (C1) eres on Led Iron (tion in Ti) _iving R (C4) lled Soi (D1) (L l	oots (C3)	Water 4A, Draina Dry-Se Satura X Geom Shallo FAC-N Raiseo	-Stained Leaves (B9) (MLRA 1, 2, and 4B) age Patterns (B10) eason Water Table (C2) ation Visible on Aerial Imagery (C9) orphic Position (D2) w Aquitard (D3) Neutral Test (D5) d Ant Mounds (D6) (LRR A)
Wetland Hy Primary India Surface High Wa Saturatia Water M Sedime Drift Dep X Algal Ma Iron Dep X Surface Inundatia Sparsely	rdrology Indicators: cators (minimum of o Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) on Visible on Aerial Ir y Vegetated Concave	magery (B Surface (I	Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Stunted or Other (Exp	ined Lea 1, 2, 4A, (B11) vertebrat Sulfide (Rhizosph of Reduc n Reduc Stresse blain in R	es (B13) Odor (C1) eres on L eed Iron (tion in Ti d Plants emarks)) _iving R (C4) lled Soi (D1) (L l	oots (C3)	Water 4A, Draina Dry-Se Satura X Geom Shallo FAC-N Raiseo	-Stained Leaves (B9) (MLRA 1, 2, and 4B) age Patterns (B10) eason Water Table (C2) ation Visible on Aerial Imagery (C9) orphic Position (D2) w Aquitard (D3) Neutral Test (D5) d Ant Mounds (D6) (LRR A)
Wetland Hy Primary India Surface High Wa Saturatia Water M Sedimer Drift Dep x Algal Ma Iron Dep x Surface Inundatia Sparsely Field Obser	rdrology Indicators: cators (minimum of o Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) on Visible on Aerial In y Vegetated Concave rvations: ter Present? Yee	magery (B Surface (I	Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Stunted or Other (Exp	ined Lea 1, 2, 4A, (B11) vertebrat Sulfide (Rhizosph of Reduc n Reduc Stresse blain in R	es (B13) Ddor (C1) eres on L ed Iron (tion in Ti d Plants emarks)) _iving R (C4) lled Soi (D1) (L l	oots (C3)	Water 4A, Draina Dry-Se Satura X Geom Shallo FAC-N Raiseo	-Stained Leaves (B9) (MLRA 1, 2, and 4B) age Patterns (B10) eason Water Table (C2) ation Visible on Aerial Imagery (C9) orphic Position (D2) w Aquitard (D3) Neutral Test (D5) d Ant Mounds (D6) (LRR A)
Wetland Hy Primary India Surface High Wa Saturatia Water M Sedimer Drift Dep X Algal Ma Iron Dep X Surface Inundatia Sparsely Field Obser Surface Wat Water Table	rdrology Indicators: cators (minimum of o Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) on Visible on Aerial In y Vegetated Concave rvations: ter Present? Ye Present?	magery (B Surface (I	Water-Sta MLRA Salt Crust Aquatic Int Hydrogen Oxidized F Presence G Recent Iro Stunted or Other (Exp. 188)	ined Lea 1, 2, 4A, (B11) vertebrat Sulfide (Rhizosph of Reduc n Reduc Stresse blain in R	es (B13) Ddor (C1) eres on Led Iron (tion in Ti d Plants emarks) nches): _ nches): _) _iving R (C4) lled Soi (D1) (L l	oots (C3)	Water- 4A, Draina Dry-Se Satura x Geom Shallo FAC-N Raisee Frost-I	and 4B) age Patterns (B10) age Patterns (B10) asson Water Table (C2) ation Visible on Aerial Imagery (C9) orphic Position (D2) w Aquitard (D3) Neutral Test (D5) d Ant Mounds (D6) (LRR A) Heave Hummocks (D7)
Wetland Hy Primary India Surface High Wa Saturatio Water M Sedimer Drift Dep X Algal Ma Iron Dep X Surface Inundati Sparsely Field Obser Surface Water Table Saturation P	rdrology Indicators: cators (minimum of o Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) on Visible on Aerial Ir y Vegetated Concave rvations: ter Present? Ye Present? Ye Present? Ye	magery (B Surface (I	Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Stunted or Other (Exp	ined Lea 1, 2, 4A, (B11) vertebrat Sulfide (Rhizosph of Reduc n Reduc Stresse blain in R	es (B13) Ddor (C1) eres on Led Iron (tion in Ti d Plants emarks) nches): _ nches): _) _iving R (C4) lled Soi (D1) (L l	oots (C3)	Water- 4A, Draina Dry-Se Satura x Geom Shallo FAC-N Raisee Frost-I	-Stained Leaves (B9) (MLRA 1, 2, and 4B) age Patterns (B10) eason Water Table (C2) ation Visible on Aerial Imagery (C9) orphic Position (D2) w Aquitard (D3) Neutral Test (D5) d Ant Mounds (D6) (LRR A)
Wetland Hy Primary India Surface High Wa Saturatia Water M Sedimer Drift Dep X Algal Ma Iron Dep X Surface Inundatia Sparsely Field Obser Surface Wat Water Table Saturation P (includes car	rdrology Indicators: cators (minimum of o Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) on Visible on Aerial In y Vegetated Concave rvations: ter Present? Ye Present?	magery (B Surface (I	Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Stunted or Other (Exp. 188) No x No x No x	ined Lea 1, 2, 4A, (B11) vertebrat Sulfide (Rhizosph of Reduct n Reduct stresse blain in R Depth (i Depth (i	es (B13) Ddor (C1) eres on Led Iron (tion in Ti d Plants emarks) enches): _nches): _) Living R (C4) Iled Soi (D1) (Li	oots (C3) Is (C6) RR A) Wetland	Water 4A, Draina Dry-Se Satura X Geom Shallo FAC-N Raisec Frost-I	and 4B) age Patterns (B10) age Patterns (B10) asson Water Table (C2) ation Visible on Aerial Imagery (C9) orphic Position (D2) w Aquitard (D3) Neutral Test (D5) d Ant Mounds (D6) (LRR A) Heave Hummocks (D7)
Wetland Hy Primary India Surface High Wa Saturatio Water M Sedimer Drift Dep x Algal Ma Iron Dep x Surface Inundati Sparsely Field Obser Surface Wat Water Table Saturation P (includes ca) Describe Re	rdrology Indicators: cators (minimum of o Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) on Visible on Aerial Ir y Vegetated Concave rvations: ter Present? Ye Present? Ye pillary fringe)	magery (B Surface (I	Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Stunted or Other (Exp. 188) No x No x No x	ined Lea 1, 2, 4A, (B11) vertebrat Sulfide (Rhizosph of Reduct n Reduct stresse blain in R Depth (i Depth (i	es (B13) Ddor (C1) eres on Led Iron (tion in Ti d Plants emarks) enches): _nches): _) Living R (C4) Iled Soi (D1) (Li	oots (C3) Is (C6) RR A) Wetland	Water 4A, Draina Dry-Se Satura X Geom Shallo FAC-N Raisec Frost-I	and 4B) age Patterns (B10) age Patterns (B10) asson Water Table (C2) ation Visible on Aerial Imagery (C9) orphic Position (D2) w Aquitard (D3) Neutral Test (D5) d Ant Mounds (D6) (LRR A) Heave Hummocks (D7)
Wetland Hy Primary India Surface High Wa Saturatio Water M Sedimer Drift Dep X Algal Ma Iron Dep X Surface Inundatio Sparsely Field Obser Surface Wat Water Table Saturation P (includes car	rdrology Indicators: cators (minimum of o Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) on Visible on Aerial Ir y Vegetated Concave rvations: ter Present? Ye Present? Ye pillary fringe)	magery (B Surface (I	Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Stunted or Other (Exp. 188) No x No x No x	ined Lea 1, 2, 4A, (B11) vertebrat Sulfide (Rhizosph of Reduct n Reduct stresse blain in R Depth (i Depth (i	es (B13) Ddor (C1) eres on Led Iron (tion in Ti d Plants emarks) enches): _nches): _) Living R (C4) Iled Soi (D1) (Li	oots (C3) Is (C6) RR A) Wetland	Water 4A, Draina Dry-Se Satura X Geom Shallo FAC-N Raisec Frost-I	and 4B) age Patterns (B10) age Patterns (B10) asson Water Table (C2) ation Visible on Aerial Imagery (C9) orphic Position (D2) w Aquitard (D3) Neutral Test (D5) d Ant Mounds (D6) (LRR A) Heave Hummocks (D7)
Wetland Hy Primary India Surface High Wa Saturatio Water M Sedimer Drift Dep x Algal Ma Iron Dep x Surface Inundati Sparsely Field Obser Surface Wat Water Table Saturation P (includes ca) Describe Re	rdrology Indicators: cators (minimum of o Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) on Visible on Aerial Ir y Vegetated Concave rvations: ter Present? Ye Present? Ye pillary fringe)	magery (B Surface (I	Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Stunted or Other (Exp. 188) No x No x No x	ined Lea 1, 2, 4A, (B11) vertebrat Sulfide (Rhizosph of Reduct n Reduct stresse blain in R Depth (i Depth (i	es (B13) Ddor (C1) eres on Led Iron (tion in Ti d Plants emarks) enches): _nches): _) Living R (C4) Iled Soi (D1) (Li	oots (C3) Is (C6) RR A) Wetland	Water 4A, Draina Dry-Se Satura X Geom Shallo FAC-N Raisec Frost-I	and 4B) age Patterns (B10) age Patterns (B10) asson Water Table (C2) ation Visible on Aerial Imagery (C9) orphic Position (D2) w Aquitard (D3) Neutral Test (D5) d Ant Mounds (D6) (LRR A) Heave Hummocks (D7)

U.S. Army Corps of Engineers

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

OMB Control #: 0710-0024, Exp: 11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)

Project/Site: Post Creek Hill - US 93		City/Cour	nty: Lake	•	Sampling Date:	9-16-2024
Applicant/Owner: MDT				State: MT	Sampling Point	: WL-13B-24(1)
Investigator(s): B.Cline, F.Doty		Section, T	ownship, Ra	nge: S12 T19N R20W		
Landform (hillside, terrace, etc.): roadside ditch		 Local relief (co	oncave, conv	ex, none): <u>concave</u>	Slo	ope (%): <u>0-5</u>
Subregion (LRR/MLRA): LRR E, MLRA 44A	Lat:	47.42080	9 I	ong: -114.096684	Datum:	NAD83
Soil Map Unit Name: Post silt loam, 0-2 percent slop-	es			NWI classi	fication: PEM1C	
Are climatic / hydrologic conditions on the site typical	for this time o	f year?	Yes X	No (If no, exp	olain in Remarks.)	
Are Vegetation, Soil, or Hydrology	significantly of	disturbed? A	re "Normal C	circumstances" present?	Yes X 1	No
Are Vegetation , Soil , or Hydrology			f needed, ex	plain any answers in Rer	marks.)	
SUMMARY OF FINDINGS – Attach site n	_		g point lo	cations, transects,	important fea	tures, etc.
Hydrophytic Vegetation Present? Yes X	No	Is the	Sampled A	rea		
	No		n a Wetland		No	
	No					
Remarks:						
VEGETATION III a saissatification of						
VEGETATION – Use scientific names of	Absolute	Dominant	Indicator			
<u>Tree Stratum</u> (Plot size: 30')	% Cover	Species?	Status	Dominance Test wor	ksheet:	
1				Number of Dominant	Species That	
2				Are OBL, FACW, or F	AC:	5 (A)
3.				Total Number of Dom	inant Species	
4		=Total Cover		Across All Strata:	—	(B)
Sapling/Shrub Stratum (Plot size: 30') ———	- Total Covel		Percent of Dominant S Are OBL, FACW, or F	•	00.0% (A/B)
1.	_'			7 11 0 0 0 2 2 , 7 7 10 7 7 , 6 7 7		(, , ,
2.				Prevalence Index wo	orksheet:	
3				Total % Cover of	f: Multip	ly by:
4.					<u>5</u> x1=	55
5		Tatal Cavan			5 x 2 =	30
Herb Stratum (Plot size: 30')		=Total Cover			0 x 3 = x 4 =	0
1. Eleocharis palustris	15	Yes	OBL		x 5 =	0
2. Rumex crispus	20	Yes	FAC	-	0 (A)	145 (B)
3. Typha latifolia	25	Yes	OBL	Prevalence Index	= B/A = 1.6	61
4. Carex nebrascensis	15	Yes	OBL			
5. Juncus balticus	15	Yes	FACW	Hydrophytic Vegetat		
6.					Hydrophytic Vege	etation
7. 8.				X 2 - Dominance Te		
					Adaptations ¹ (Prov	vide supporting
10.					s or on a separate	
11.				5 - Wetland Non-		
	90	=Total Cover		Problematic Hydro	ophytic Vegetation	n¹ (Explain)
Woody Vine Stratum (Plot size: 30'	_)			¹ Indicators of hydric s		
1.				be present, unless dis	turbed or problem	atic.
2		=Total Cover		Hydrophytic		
% Bare Ground in Herb Stratum		- rotal Cover		Vegetation Present? Yes	X No_	
Remarks:						

SOIL Sampling Point: WL-13B-24(1)

	ription: (Describe	to the depth		ument t x Featu		tor or o	confirm the	absence of	findicators	-)	
Depth (inches)	Matrix Color (moist)	%	Color (moist)	% realu	Type ¹	Loc ²	Tov	ture		Remarks	
(inches) 0-8	Color (moist) 10YR 2/1	70	Color (moist)	70	туре	LOC					
			40VD 5/0				Loamy		Danis	roots present	
8-16	10YR 4/2	93	10YR 5/8	7	<u>C</u>	M	Loamy	/Clayey	Promine	nt redox conce	entrations
	ncentration, D=Depl					oated S	and Grains.			re Lining, M=N	
Hydric Soil II	ndicators: (Applica	ble to all LR	RRs, unless other	erwise r	noted.)			Indicators	for Proble	matic Hydric	Soils³:
Histosol (•		Sandy Gle	-					Muck (A10)		
	pedon (A2)		Sandy Re						-	//asses (F12) (LRR D)
Black His	` '		Stripped N	,	,				arent Mater	, ,	
	Sulfide (A4)		Loamy Mu	•	, ,	(except	MLRA 1)			k Surface (F22)
	ck (A9) (LRR D, G)	(444)	Loamy Gle					Other	(Explain in F	Remarks)	
	Below Dark Surface rk Surface (A12)	(A11)	Depleted I Redox Da	`	,			3Indicators	of budroph	ytic vegetation	and
	ucky Mineral (S1)		Depleted I							must be pres	
	ucky Peat or Peat (S2) (I RR G)	Redox De		` ,					or problematic.	JIIL,
	ayer (if observed):	32) (LITIT 3)	ROUGH BO	prosolor	10 (1 0)			4111000	- diotarboa c	n problematio.	
Type:	ayer (ii observea).										
Depth (in	ches):		_				Hydric S	oil Present?	?	Yes X	No
Remarks:	,		_				,				
HYDROLO	GY										
_	rology Indicators:										
-	ators (minimum of o	ne is require						-		(2 or more req	
	Vater (A1)		Water-Sta		` '	•	t			aves (B9) (ML	RA 1, 2
	er Table (A2)				, and 4B)				, and 4B)	(5.40)	
Saturation	` '		Salt Crust	` '	t (D40)				age Patterns	, ,	
Water Ma			Aquatic In							r Table (C2)	ron((CO)
Drift Depo	Deposits (B2)		Hydrogen Oxidized F				oots (C3)		orphic Posit	on Aerial Imaç	jery (Ca)
	or Crust (B4)		Presence			0	.0013 (03)		w Aquitard (` '	
Iron Depo			Recent Iro		,	,	ls (C6)		Neutral Test		
	Soil Cracks (B6)		Stunted or				. ,			ds (D6) (LRR A	A)
	n Visible on Aerial Iı	nagery (B7)	Other (Ex			() (,	Frost-	Heave Hum	mocks (D7)	,
Sparsely	Vegetated Concave	Surface (B8	<u> </u>								
Field Observ	ations:										
Surface Water	er Present? Ye	s	No x	Depth (inches):						
Water Table I	Present? Ye	s	No x	Depth (inches):						
Saturation Pro	esent? Ye	s	No x	Depth (inches):		Wetlan	d Hydrolog	y Present?	Yes X	No
(includes cap	illary fringe)										
Describe Rec	orded Data (stream	gauge, mon	itoring well, aeria	l photos	, previous	sinspec	ctions), if ava	ailable:			
Remarks:											

U.S. Army Corps of Engineers

WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R

OMB Control #: 0710-0024, Exp: 11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)

Project/Site: Post Creek Hill - US 93	•	City/Cou	nty: Lake		Sampling Date:	9-16-2024
Applicant/Owner: MDT				State: MT	Sampling Point:	WL-13B-24(2)
Investigator(s): B.Cline, F.Doty		Section, T	ownship, Ra	nge: S12 T19N R20W		
Landform (hillside, terrace, etc.): roadside ditch		Local relief (co	oncave, conv	vex, none): concave	Slo	ope (%): 0-5
Subregion (LRR/MLRA): LRR E, MLRA 44A	Lat:	47.42237	6	Long: -114.096610	Datum:	NAD83
Soil Map Unit Name: Post silt loam, 0-2 percent slop	es			NWI classif	fication: none	
Are climatic / hydrologic conditions on the site typical	for this time o	f year?	Yes X	No (If no, exp	olain in Remarks.)	
Are Vegetation, Soil, or Hydrology	significantly of	disturbed? A	re "Normal (Circumstances" present?	Yes X N	10
Are Vegetation , Soil , or Hydrology	_			plain any answers in Ren	<u></u>	
SUMMARY OF FINDINGS – Attach site n			g point lo	cations, transects,	important fea	tures, etc.
Hydrophytic Vegetation Present? Yes X	No	Is the	Sampled A	rea		
	No		n a Wetland		No	
	No					
Remarks:		Į.				
VEGETATION – Use scientific names of	•					
<u>Tree Stratum</u> (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test wor	kshoot:	
1.	70 OOVCI	орсскоз:	Otatus	Number of Dominant S		
2.				Are OBL, FACW, or F.	•	2 (A)
3.				Total Number of Domi	nant Species	
4				Across All Strata:		2 (B)
	, 	=Total Cover		Percent of Dominant S		
Sapling/Shrub Stratum (Plot size: 30'	_)			Are OBL, FACW, or F.	AC:1	00.0% (A/B)
1. 2.				Prevalence Index wo	rkshoot:	
2				Total % Cover of:		lv bv:
4.				OBL species 55		55
5.				FACW species 10	0 x 2 =	20
		=Total Cover		FAC species 20	0 x 3 =	60
Herb Stratum (Plot size: 30')				FACU species 0		0
Eleocharis palustris Rumov arianus	15	No	OBL	UPL species 0		0 135 (B)
Rumex crispus Typha latifolia		Yes Yes	FAC OBL	Column Totals: 88	` ′	135 (B)
4. Carex nebrascensis	15	No	OBL	1 Tovalonoe maex	1.0	
5. Juncus balticus	10	No	FACW	Hydrophytic Vegetati	ion Indicators:	
6.				1 - Rapid Test for	Hydrophytic Vege	tation
7				X 2 - Dominance Te		
8.				X 3 - Prevalence Ind		
9.				4 - Morphological	Adaptations '(Prov s or on a separate	
10				5 - Wetland Non-\	•	, silect)
11	85	=Total Cover		Problematic Hydro		ı ¹ (Explain)
Woody Vine Stratum (Plot size: 30')	. 5.2 55.51		¹ Indicators of hydric so		
1.	- '			be present, unless dis		
2.				Hydrophytic		
		=Total Cover		Vegetation		
% Bare Ground in Herb Stratum				Present? Yes	<u>X</u> No	<u> </u>
Remarks:						

SOIL Sampling Point: WL-13B-24(2)

	ription: (Describe	to the depth		ument t x Featu		tor or o	confirm the	absence o	f indicators	.)	
Depth (inches)	Matrix Color (moist)	%	Color (moist)	% realu	Type ¹	Loc ²	Tov	ture		Remarks	
(inches) 0-8	Color (moist) 10YR 2/1	70	Color (moist)	70	туре	LOC					
			40VD 5/0				Loamy			roots present	
8-16	10YR 4/2	92	10YR 5/8	8	<u>C</u>	M	Loamy	/Clayey	Promine	nt redox conce	ntrations
	ncentration, D=Depl					oated S	and Grains.			re Lining, M=N	
Hydric Soil II	ndicators: (Applica	ble to all LR	RRs, unless other	erwise r	noted.)			Indicators	s for Proble	matic Hydric \$	Soils ³ :
Histosol (•		Sandy Gle	-					Muck (A10)		
	pedon (A2)		Sandy Re						-	/lasses (F12) (l	LRR D)
Black His	` '		Stripped N	`	,				arent Mater	, ,	
	Sulfide (A4)		Loamy Mu	•	, ,	(except	MLRA 1)			c Surface (F22))
	ck (A9) (LRR D, G)	(444)	Loamy Gle					Other	(Explain in I	Remarks)	
	Below Dark Surface rk Surface (A12)	(A11)	Depleted I Redox Da	`	,			3Indicator	of hydroph	ytic vegetation	and
	ucky Mineral (S1)		Depleted I							must be prese	
	ucky Peat or Peat (S2) (I RR G)	Redox De		` ,					or problematic.	,,,
	ayer (if observed):	32) (LITIT 3)	ROUGH BO	prosolor	10 (1 0)			dilico	- diotarboa c	problematic.	
Type:	ayer (ii observea).										
Depth (in	ches):		_				Hydric S	oil Present	?	Yes X	No
Remarks:	,		_				,				
HYDROLO	GY										
_	rology Indicators:										
-	ators (minimum of o	ne is require								(2 or more requ	
	Vater (A1)		Water-Sta		` '	•	t			aves (B9) (MLF	RA 1, 2
	er Table (A2)				, and 4B)				, and 4B)	(D40)	
Saturation	` '		Salt Crust	` '	too (D12)				age Patterns	. ,	
Water Ma	t Deposits (B2)		Aquatic In Hydrogen							r Table (C2) on Aerial Imag	eny (CQ)
Drift Depo			Oxidized F				oots (C3)		orphic Posit	_	ery (Ca)
	or Crust (B4)		Presence			0	10010 (00)		w Aquitard	` '	
Iron Depo			Recent Iro		,	,	ls (C6)		Neutral Test		
	Soil Cracks (B6)		Stunted or				. ,			ds (D6) (LRR A	١)
Inundatio	n Visible on Aerial Iı	magery (B7)	Other (Exp	olain in F	Remarks)	. , .	,	Frost-	Heave Hum	mocks (D7)	•
Sparsely	Vegetated Concave	Surface (B8	<u> </u>								
Field Observ	ations:										
Surface Water	er Present? Ye	s	No x	Depth (inches):						
Water Table I	Present? Ye	s	No x	Depth (inches):		.				
Saturation Pro		s	No x	Depth (inches): _		Wetlan	d Hydrolog	y Present?	Yes X	No
(includes cap											
Describe Rec	orded Data (stream	gauge, mon	itoring well, aeria	II photos	, previous	s inspec	ctions), if ava	ailable:			
Remarks:											



Aquatic Resource Findings Report

ATTACHMENT 4 – MONTANA WETLAND ASSESSMENT METHOD FORMS

MDT MONTANA WETLAND ASSESSMENT FORM (revised March 2008)

1.	Project Name: US 93 N - Post Creek Hill 2. MDT Project #: NH 5-2(159)37 3. Control #: AA-1
3.	Evaluation Date: 9/23/24 4. Evaluator(s): B.Cline 5. Wetland/Site #(s): W-1,2,3-24
6.	Wetland Location(s): Township 19 N, Range 20 W, Section 25; Township 19 N, Range 20 W, Section 26
	Approximate Stationing or Roadposts: RP 36.8 to RP 37.1
	Watershed: 4 - Flathead County: _ Lake
7.	Evaluating Agency: MDT Purpose of Evaluation: ☐ Wetland potentially affected by MDT project ☐ Mitigation wetlands; pre-construction 8. Wetland Size (acre): ☐ 6.70 (measured, e.g. GPS)
	Mitigation wetlands: post-construction 9. Assessment Area (AA) Size (acre): (visually estimated

10. CLASSIFICATION OF WETLAND AND AQUATIC HABITATS IN AA (See manual for definitions.)

HGM Class (Brinson)	Class (Cowardin)	Modifier (Cowardin)	Water Regime	% OF AA						
Slope	Emergent Wetland		Seasonal / Intermittent	70						
Depressional	Emergent Wetland		Seasonal / Intermittent	15						
Riverine	Emergent Wetland		Seasonal / Intermittent	15						

Comments: AA consists of wetlands dominated by emergent vegetation type. Wetlands located along slopes, shallow roadside depressions/ditches and irrigation channels.

(see manual for determining AA)

6.70 (measured, e.g. GPS)

11. ESTIMATED RELATIVE ABUNDANCE (of similarly classified sites within the same Major Montana Watershed Basin; see manual.) <u>common</u>

12. GENERAL CONDITION OF AA

Other_

i. Disturbance: Use matrix below to select the appropriate response; see manual for Montana listed noxious weed and aquatic nuisance vegetation species lists.

	Predominar	t Conditions Adjacent to (within	500 feet of) AA
Conditions within AA	Managed in predominantly natural state; is not grazed, hayed, logged, or otherwise converted; does not contain roads or buildings; and noxious weed or ANVS cover is ≤15%.	Land not cultivated, but may be moderately grazed or hayed or selectively logged; or has been subject to minor clearing; contains few roads or buildings; noxious weed or ANVS cover is ≤30%.	Land cultivated or heavily grazed or logged; subject to substantial fill placement, grading, clearing, or hydrological alteration; high road or building density; or noxious weed or ANVS cover is >30%.
AA occurs and is managed in predominantly natural state; is not grazed, hayed, logged, or otherwise converted; does not contain roads or occupied buildings; and noxious weed or ANVS cover is ≤15%.			
AA not cultivated, but may be moderately grazed or hayed or selectively logged; or has been subject to relatively minor clearing, fill placement, or hydrological alteration; contains few roads or buildings; noxious weed or ANVS cover is \$30%.			
AA cultivated or heavily grazed or logged; subject to relatively substantial fill placement, grading, clearing, or hydrological alteration; high road or building density; or noxious weed or ANVS cover is >30%.			high disturbance

Comments (types of disturbance, intensity, season, etc.): Conditions within the AA include heavy grazing and hydrologic alterations.

- ii. Prominent noxious, aquatic nuisance, and other exotic vegetation species: <u>Canada thistle (Cirsium arvense)</u>, spotted knapweed (<u>Centaurea maculosa</u>), hounds tongue (<u>Cynoglossum officinale</u>), cheatgrass (<u>Bromus tectorum</u>) and yellow-flag iris (<u>Iris pseudacorus</u>).
- iii. Provide brief descriptive summary of AA and surrounding land use/habitat: AA is located along the highway right of way and adjacent lands within roadside depression, irrigation channels and slopes. Surrounding use includes roadway, agricultural, commercial business, and residential dwellings.

13. STRUCTURAL DIVERSITY (Based on number of "Cowardin" vegetated classes present [do not include unvegetated classes]; see #10 above.)

Existing # of "Cowardin" Vegetated Classes in AA	Initial Rating	Is current management peristence of additional v		Modified Rating
≥3 (or 2 if one is forested) classes		NA	NA	NA
2 (or 1 if forested) classes		NA	NA	NA
1 class, but not a monoculture	mod	←NO	YES→	
1 class, monoculture (1 species comprises ≥90% of total cover)		NA	NA	NA

Comments: AA dominated by emergent vegetation.

14A. HABITAT FOR FEDERA	ALLY	LISTE	D OR	PRO	POSE	D THE	REATE	NEC	OR E	NDAN	GERE	D PL	ANTS	OR A	NIMAL	_S				
i. AA is Documented (D) or Primary or critical habitat (Ii Secondary habitat (list spe- Incidental habitat (list spec No usable habitat	st spe cies)				ain: C S _ S _ S _ S	heck b	oox ba	sed o	n defii	nitions	in mar	nual.								
ii. Rating: Based on the stror	naest h	nabitat	chose	n in	14A(i)	above	. selec	t the	corres	pondin	a func	tional	point	and ra	itina.					
Highest Habitat Level	Doc/F				rimary		c/Sec				conda			nciden		Sus/	Incide	ntal	None	
Functional Point/Rating												- 7							0L	=
Sources for documented us			rvation			MNHI	P, MF\	NP, l	JSFW	3										
14B. HABITAT FOR PLANTS Do not include species					S1, S	32, OR	S3 B	Y TH	E MON	TANA	NATU	URAL	. HER	ITAGE	PRO	GRAI	VI			
 i. AA is Documented (D) or Primary or critical habitat (Ii Secondary habitat (Iist spe Incidental habitat (Iist spec No usable habitat 	st spe cies) ies)	cies)		D [D [D [] S _] S _] S <u>B</u>] S	<u>obolin</u>	k, Tow	nsen	d's big	-eared	bat									
ii. Rating: Based on the stro						-												- 1		1
Highest Habitat Level	Doc/F	Prima	ry S	us/P	rimary	/ Do	c/Sec	onda	ry S	us/Se	conda	ry	Doc/Ir	nciden	ital	Sus/l	ncider	ntal	None	
S1 Species Functional Point/Rating				-						-										
S2 and S3 Species				_						_				.2L						
Functional Point/Rating	a (a a	ohea	rvation	e ro	corde).	MNIHI	D MEI	MD I	ISE\M	3										j
Sources for documented us 14C. GENERAL WILDLIFE H	, ,			s, red	cords):	MNHI	<u>-, MF\</u>	<u>//P, (</u>	JSFW	<u> </u>										
i. Evidence of Overall Wildli	ife Use	in th	e AA:	Che	ck sub	stantia	al, mod	derate	e, or lo	w base	ed on s	suppo	rting e	vidend	ce.					
 ☐ Substantial: Based on any ☐ observations of abunda ☐ abundant wildlife sign s ☐ presence of extremely l ☐ interview with local biological 	nt wild uch as imiting	llife #s s scat, i habit	or hig tracks at feat	h spe , nes ures	ecies d t struc not ava	tures, ailable	game	trails	, etc.	,		few little spar	or no v to no v se adj	wildlife wildlife acent ı	obser sign upland	vatior food	source	ng pea		oeriods A
☐ <i>Moderate:</i> Based on any or observations of scattered common occurrence of adequate adjacent upla interview with local biological common occurrence.	ed wild wildlife nd foo	life gro e sign d sour	oups o such a rces	r indi Is sca	at, trac	ks, ne	atively st strud	few cture:	specie s, gam	s durir e trails	ng peal , etc.	k peri	ods							
ii. Wildlife Habitat Features: For class cover to be consider percent composition of the AA S/I = seasonal/intermittent; T/I	ed eve	enly di #10).	stribut Abbre	ed, th viatio	ne mos ns for	t and surfac	least p e wate	reval r dur	ent ve ations	getate are as	d class follows	ses m s: P/F	nust be	withir mane	n 20% nt/pere	of ea ennial	ch othe			
Structural Diversity					High						Þ	√ Mo	derate)					.ow	
(see #13) Class Cover Distribution		□E	von			☐ Un	ovon			E		_		⊠ Un	ovon					
(all vegetated classes) Duration of Surface								l			l									
Water in ≥ 10% of AA	P/P	S/I	T/E	Α	P/P	S/I	T/E	Α	P/P	S/I	T/E	Α	P/P	S/I	T/E	Α	P/P	S/I	T/E	A
□ Low Disturbance at AA																				
(see #12i) ☐ Moderate Disturbance																				
at AA (see #12i)													-							
⋈ High Disturbance at AA (see #12i)														L						
iii Pating: Use the conclusion	one fre	mian	d ii ah	0)/0 (and the	motri	v bolov	u to a	oloot t	ho fun	otional	noin	t and r	oting						
iii. Rating: Use the conclusion Evidence of Wildlife Use	ons iro	mran	iu ii ab	ove a						s Ratir		poiri	and r	aung.		1				
(i)	Г	Ex	ceptio	nal	•		High				derate	е		⊠ Lo	w					
☐ Substantial		<u> </u>								<u></u>					-	1				
□ Moderate																				
														.1L		_]				
Comments:																_				

14D. GENERAL FISH HABIT If the AA is not used by entrapped in a canal], the	fish, fis	h use is		rable d	ue to l		const	raints	, or is n	ot desi	ired fro	om a r	manag	ement	perspe	ective	[such	as fish
Assess this function if the precluded by perched controls.				the exist	ting si	tuation	is "co	orrecta	able" su	ch that	t the A	A cou	ıld be ı	used by	/ fish [i	i.e., fis	sh use	is
Type of Fishery: Co		`	, —		`	,				0				-	olete th	ie mat	rix.	
i. Habitat Quality and Know	n / Sus	pected	Fish Spe	cies in	AA:	Use m	atrix t	o sele	ct the f	unction	ıal poi	nt and	l rating					1
Duration of Surface Water in AA	□ Pe	ermane	nt / Perei	nnial		<u> </u>	_	nal / lı	ntermit		_			rary / I	Ephen	neral		
Aquatic Hiding / Resting / Escape Cover	Opti	mal	Adequate	e Po	oor	Opti		Ade	 quate	Po	_		 timal	Aded	uate	Po	or	
Thermal Cover:	0	s	o s	0	S	0	S	0	S	0	s	0	S	0	S	0	S	
optimal / suboptimal FWP Tier I fish species				<u> </u>	ļ	<u> </u>								ļ				
FWP Tier II or Native						 -												
Game fish species																		
FWP Tier III or Introduced Game fish																		
FWP Non-Game Tier IV or																		
No fish species Sources used for identifying	fich c	nn not	ontially f	ound in	۸۸٠													
Sources used for identifying ii. Modified Rating: NOTE: N			-		-	e less	than (0.1.										
a) Is fish use of the AA signific MDEQ list of waterbodies in ne support, or do aquatic nuisand	eed of	TMDL a	levelopme	ent with	listed	"Proba	ble In	npaire	d Uses	" includ	ding co	old or	warm ı	water f	ishery	or aqu	ıatic lit	e
b) Does the AA contain a docu native fish or introduced game										nctuary	pool,	upwe	lling ar	rea; sp	ecify ir	n comi	nents)	for
iii. Final Score and Rating: _				score iii	1 01 116	a U.1 –	_ "	' Ш'	40									
14E. FLOOD ATTENUATION Applies only to wetlands If wetlands in AA are no	l s that a	⊠ I re subje	NA (proce	ding via	in-cha					and pro	ceed	to 14F	₹.					
Entrenchment Ratio (ER) Es Flood-prone width = estimated																	e of the	e stream.
	=						*	% .							g	90		
flood prone width / bankfull wid	dth = ei	ntrenchi	ment ratio		2 2	x Bankt	full De	epth	В	ankfull	Depth			A KARAN	Sept 1	lood-p cfull W	rone W	idth .
Slightly Entr	enche	d		Mod	lerate	ly Enti	rench	ed				Ent	rench	ed				
C stream type D stream type	уре	E stre	eam type			1.41 – ream ty			A stre	eam typ	oe		= 1.0 – ream ty		G str	ream t	type	
i. Rating: Working from top to												1					π	
Estimated or Calculated (Rosgen 1994, 1996)	Entre	nchmer		Slightly D, E str					erately		ched			Entrend				
Percent of Flooded Wetlan		sified a	s 🗆	ĺ					stream					strea				
Forested and/or Scrub/Sh AA contains no outlet or re		d outle	75%		75%	<25%		′5%	25-75	5% <	<25%	75		25-75°	% <	25%		
AA contains no outlet or re			t		<u>-</u> -					+								
										<u> </u>		II					I	

14F.	SHORT AND LONG TERM SURFACE WATER STORAGE	☐ NA (proceed to 14G)
	Applies to wetlands that flood or pond from overbank or in-change	nel flow, precipitation, upland surface flow, or groundwater flow.
	If no wetlands in the AA are subject to flooding or ponding, then	check the NA box and proceed to 14G.

i. Rating: Working from top to bottom, use the matrix below to select the functional point and rating. Abbreviations for surface water durations are as follows: P/P = permanent/perennial; S/I = seasonal/intermittent; and T/E = temporary/ephemeral [see manual for further definitions of these terms].

Estimated Maximum Acre Feet of Water Contained in Wetlands within the AA that are Subject to Periodic Flooding or Ponding		>5 acre fo	eet	□ 1.1	to 5 ac	re feet	⊠≤	≤1 acre t	foot
Duration of Surface Water at Wetlands within the AA	□ P/P	□ S/I	□ T/E	□ P/P	□ S/I	□ T/E	□ P/P	⊠ S/I	□ T/E
Wetlands in AA flood or pond ≥ 5 out of 10 years								.3L	
Wetlands in AA flood or pond < 5 out of 10 years									

Comments: Wetlands consist of mostly linear feature with limited water holding capacity.

14G.	SEDIMENT	/ NUTRIENT	/ TOXICANT	/ RETENTION	AND REMOVA	L 🗌 NA	(proceed to 1	14H
------	-----------------	------------	------------	-------------	------------	--------	---------------	-----

Applies to wetland with potential to receive sediments, nutrients, or toxicants through influx of surface or ground water or direct input. If no wetlands in the AA are subject to such input, check the NA box and proceed to 14H.

i. Rating: Working from top to bottom, use the matrix below to select the functional point and rating.

Sediment, Nutrient, and Toxicant Input Levels within AA	AA receive has potent nutrients, such that a substantia sedimenta toxicants, present.	tial to deliv or compou other funct illy impaire tion, sourc	er sedime inds at lev ions are n d. Minor es of nutr	ents, els ot ients or	Waterbody is need of TMDI causes" relat toxicants or A has potential nutrients, or of functions are sedimentation or signs of europe of the sedimentation or signs of europe of the sedimentation of t	developmer ed to sedime AA receives of to deliver hig compounds s substantially n, sources of	nt for "probal nt, nutrients, or surroundin gh levels of s such that oth y impaired. M nutrients or	ole or g land use ediments, er ajor
% Cover of Wetland Vegetation in AA	⊠≥	70%	□<	70%	□≥7	70%	□<	70%
Evidence of Flooding / Ponding in AA	⊠ Yes	☐ No	☐ Yes	☐ No	☐ Yes	☐ No	☐ Yes	☐ No
AA contains no or restricted outlet								
AA contains unrestricted outlet	.9H							

Comments: Vegetation cover in the wetlands greater than 70% and site has evidence of annual flooding.

14H. SEDIMENT / SHORELINE STABILIZATION NA (proceed to 14I)

Applies only if AA occurs on or within the banks of a river, stream, or other natural or man-made drainage, or on the shoreline of a standing water body which is subject to wave action.

If 14H does not apply, check the NA box and proceed to 14I.

% Cover of Wetland Streambank or Shoreline by Species with Stability	Duration of S	urface Water Adjacent to Roo	ted Vegetation
Ratings of ≥6 (see Appendix F).	☐ Permanent / Perennial	☐ Seasonal / Intermittent	☐ Temporary / Ephemeral
□ ≥ 65%			
□ 35-64%			
☐ < 35%			

Comments: .

14I. PRODUCTION EXPORT / FOOD CHAIN SUPPORT

i. Level of Biological Activity: Synthesis of wildlife and fish habitat rates (select).

General Fish Habitat Rating	Genera	I Wildlife Habitat Rati	ng (14Ciii)
(14Diii)	☐ E/H	■ M	ĎL
☐ E/H			
■ M			
L			
NA			Ĺ

ii. Rating: Working from top to bottom, use the matrix below to select the functional point and rating. Factor A = acreage of vegetated wetland component in the AA; Factor B = level of biological activity rating from above (14li); Factor C = whether or not the AA contains a surface or subsurface outlet; the final three rows pertain to the duration of surface water in the AA, where P/P, S/I, and T/E were previously defined, and A = "absent" [see manual for further definitions of these terms].

Α	\boxtimes	Vegeta	ted Co	mponent	: >5 ac	res		Vegeta	ated Co	mponent	1-5 ac	res		Veget	ated Co	mponen	t <1 acı	re
В	_ 	ligh	М	oderate	×Ι	Low	_	ligh		derate		Low	<u> </u>	ligh	☐ Mo	derate		.ow
С	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
P/P																		
S/I					.5M			-										
T/E/A																		

14I. PRODUCTION EXPORT / FOOD (CHAIN SI	UPPORT (con	ntinued)						
iii. Modified Rating: Note: Modified so	ore cann	ot exceed 1.0	or be less tha	n 0.1.					
Vegetated Upland Buffer: Area wi mowing or clearing (unless for weed Is there an average ≥ 50-foot wide v	th ≥ 30% control).	plant cover, ≤	≤ 15% noxious	weed or			•	•	
iv. Final Score and Rating: <u>.5M</u> Con	nments:	Area is perod	ically mowed w	vithin the	right of way.				
14J. GROUNDWATER DISCHARGE / Check the appropriate indicators i									
i. Discharge Indicators The AA is a slope wetland. Springs or seeps are known Vegetation growing during of Wetland occurs at the toe of Seeps are present at the word AA permanently flooded du Wetland contains an outlet, Shallow water table and the Other:	dormant sof a natura etland ed ring drou but no ir	season/droug al slope. lge. ght periods. nlet.	ht.	⊠ Pe □ W □ St	etland contain	ors strate present v is inlet but no d wn 'losing' stre	outlet.	, , ,	0 ,
iii. Rating: Use the information from i a	and ii abo								=
Criteria			Saturation at <i>i</i> <u>/ATER THAT I</u> ⊠ S	S RECH				STEM	
☐ Groundwater Discharge or Rech	arge				<u></u>				
☐ Insufficient Data/Information	gc								1
14K. UNIQUENESS i. Rating: Working from top to bottom,	AA cor springs	ntains fen, bo s or mature (og, warm >80 yr-old)	AA dod	es not contain are types ANI	n previously in structural		s not contai	
	AA cor springs foreste	ntains fen, bo s or mature (a ed wetland Of ation listed a	og, warm >80 yr-old) R plant	AA doo cited ra diversi contail	es not contai	n previously D structural gh OR ciation	previou associa	es not contai usly cited rar ations AND s ty (#13) is lo	e types OR structural
i. Rating: Working from top to bottom,	AA cor springs foreste associa the MT	ntains fen, bo s or mature (a ed wetland Of ation listed a	og, warm >80 yr-old) R plant s "S1" by	AA doo cited ra diversi contain listed a	es not contain are types ANI ty (#13) is hig as plant asso as "S2" by th	n previously D structural gh OR ciation	previou associa diversit	isly cited ran	e types OR structural
i. Rating: Working from top to bottom, Replacement Potential Estimated Relative Abundance (#11) Low Disturbance at AA (#12i)	AA cor springs foreste associa the MT	ntains fen, bo s or mature (d wetland Of ation listed a NHP	og, warm >80 yr-old) R plant s "S1" by	AA doc cited ra diversi contail listed a	es not contain are types ANI ty (#13) is high as plant asso as "S2" by th Common	n previously D structural gh OR ciation e MTNHP Abundant	previou associa diversit	usly cited ran ations AND s by (#13) is loo Common	re types OR structural w-moderate
i. Rating: Working from top to bottom, Replacement Potential Estimated Relative Abundance (#11) Low Disturbance at AA (#12i) Moderate Disturbance at AA (#12i)	AA cor springs foreste associathe MT	ntains fen, bo s or mature (: ed wetland Of ation listed a NHP	og, warm >80 yr-old) R plant s "S1" by	AA doc cited ra diversi contail listed a	es not container types ANI ty (#13) is high s plant asso s "S2" by th Common	n previously D structural gh OR ciation e MTNHP Abundant	previou associa diversit	usly cited rare ations AND s by (#13) is low Common	e types OR structural w-moderate
Replacement Potential Estimated Relative Abundance (#11) Low Disturbance at AA (#12i) Moderate Disturbance at AA (#12i) High Disturbance at AA (#12i)	AA cor springs foreste associa the MT	ntains fen, bo s or mature (d wetland Of ation listed a NHP	og, warm >80 yr-old) R plant s "S1" by	AA doc cited ra diversi contail listed a	es not contain are types ANI ty (#13) is high as plant asso as "S2" by th Common	n previously D structural gh OR ciation e MTNHP Abundant	previou associa diversit	usly cited ran ations AND s by (#13) is loo Common	re types OR structural w-moderate
i. Rating: Working from top to bottom, Replacement Potential Estimated Relative Abundance (#11) Low Disturbance at AA (#12i) Moderate Disturbance at AA (#12i) High Disturbance at AA (#12i) Comments: 14L. RECREATION / EDUCATION PO Affords 'bonus' points if AA provide	AA cor springs foreste associathe MT Rare	ntains fen, bos or mature (: ed wetland Of ation listed a NHP Common eational or edu	og, warm >80 yr-old) R plant s "S1" by Abundant NA (proceed ucational oppor	AA doc cited radiversi contain listed a Rare	es not container types ANI ty (#13) is higher assons "S2" by the Common Il Summary and	n previously D structural gh OR ciation e MTNHP D Abundant	previou associa diversit	usly cited rare ations AND s by (#13) is low Common	e types OR structural w-moderate
i. Rating: Working from top to bottom, Replacement Potential Estimated Relative Abundance (#11) Low Disturbance at AA (#12i) Moderate Disturbance at AA (#12i) High Disturbance at AA (#12i) Comments: 14L. RECREATION / EDUCATION PO	AA cor springs foreste associathe MT Rare	ntains fen, bos or mature (: ed wetland Of ation listed a NHP Common eational or edu	og, warm >80 yr-old) R plant s "S1" by Abundant NA (proceed ucational oppor	AA doc cited radiversi contain listed a Rare	es not container types ANI ty (#13) is higher assons "S2" by the Common Il Summary and	n previously D structural gh OR ciation e MTNHP D Abundant	previou associa diversit	usly cited rare ations AND s by (#13) is low Common	e types OR structural w-moderate
i. Rating: Working from top to bottom, Replacement Potential Estimated Relative Abundance (#11) Low Disturbance at AA (#12i) Moderate Disturbance at AA (#12i) High Disturbance at AA (#12i) Comments: 14L. RECREATION / EDUCATION PO Affords 'bonus' points if AA provide	AA cor springs foreste associative MT Rare TENTIAL es a recreeational	ntains fen, bos or mature (and wetland Of ation listed and NHP	og, warm >80 yr-old) R plant s "S1" by Abundant NA (proceed ucational oppor	AA docited radiversi contain listed a Rare	es not container types ANI ty (#13) is higher assons "S2" by the Common Il Summary ani	n previously D structural gh OR ciation e MTNHP Abundant nd Rating page	previou associa diversit	asly cited rar ations AND s by (#13) is low Common	e types OR structural w-moderate Abundant
i. Rating: Working from top to bottom, Replacement Potential Estimated Relative Abundance (#11) □ Low Disturbance at AA (#12i) □ Moderate Disturbance at AA (#12i) □ High Disturbance at AA (#12i) Comments: 14L. RECREATION / EDUCATION PO Affords 'bonus' points if AA provide i. Is the AA a known or potential recruii. Check categories that apply to the iii. Rating: Use the matrix below to select	AA cor springs foreste associatine MT Rare	ntains fen, bos or mature (: ed wetland Ofation listed a NHP Common cational or education Educational/S Other: nctional point	og, warm >80 yr-old) R plant s "S1" by Abundant NA (proceed ucational oppor al site? YE Scientific Study and rating.	AA doc cited radiversi contain listed a	es not container types ANI ty (#13) is higher assons "S2" by the Common Il Summary ani	n previously D structural gh OR ciation e MTNHP Abundant nd Rating page	previou associa diversit	suly cited raretions AND sty (#13) is low	e types OR structural w-moderate
i. Rating: Working from top to bottom, Replacement Potential Estimated Relative Abundance (#11) Down Disturbance at AA (#12i) Moderate Disturbance at AA (#12i) High Disturbance at AA (#12i) Comments: 14L. RECREATION / EDUCATION POAffords 'bonus' points if AA provide i. Is the AA a known or potential recreii. Check categories that apply to the iii. Rating: Use the matrix below to select the select	AA cor springs foreste associatine MT Rare	attains fen, bos or mature (: ed wetland Of ation listed a NHP Common cational or educational or educational or educational point Recreational	og, warm >80 yr-old) R plant s "S1" by Abundant NA (proceed ucational oppor al site? YE Scientific Study and rating. I or Educatior	AA doc cited radiversi contain listed a	es not container types ANI ty (#13) is higher splant assons "S2" by the Common Il Summary ani ii. NO, consumptive Reconstruction	n previously D structural gh OR ciation e MTNHP Abundant nd Rating page	previous associativersite Rare Rare Service Rare Rare Rare Rare Rare Rare Rare Rar	substitution in the state of th	e types OR structural w-moderate
i. Rating: Working from top to bottom, Replacement Potential Estimated Relative Abundance (#11) □ Low Disturbance at AA (#12i) □ Moderate Disturbance at AA (#12i) □ High Disturbance at AA (#12i) Comments: 14L. RECREATION / EDUCATION PO Affords 'bonus' points if AA provide i. Is the AA a known or potential recruii. Check categories that apply to the iii. Rating: Use the matrix below to select Known or Public ownership or public easements.	AA cor springs foreste associatine MT Rare	atiains fen, bos or mature (: ed wetland Ofation listed a NHP Common cational or education Educational or education Educational point Recreational eneral public	og, warm >80 yr-old) R plant s "S1" by Abundant NA (proceed ucational oppor al site? YE Scientific Study and rating. I or Education saccess (no p	to Overartunity.	es not container types ANI ty (#13) is higher splant assons "S2" by the Common Il Summary ani ii. NO, consumptive Reconstruction	n previously D structural gh OR ciation e MTNHP Abundant nd Rating page	previous associativersite Rare Rare Provious Rare Rare Provious Rare Provious Rare Provious Rare Provious Rare Provious Rare Provious Rare Rare Provious Rare Provious	suly cited raretions AND sty (#13) is low	e types OR structural w-moderate
i. Rating: Working from top to bottom, Replacement Potential Estimated Relative Abundance (#11) □ Low Disturbance at AA (#12i) □ Moderate Disturbance at AA (#12i) □ High Disturbance at AA (#12i) Comments: 14L. RECREATION / EDUCATION PO Affords 'bonus' points if AA provide i. Is the AA a known or potential recruii. Check categories that apply to the iii. Rating: Use the matrix below to select the iii.	AA cor springs foreste associating the MT Rare	tains fen, bos or mature (is of wetland Of ation listed a NHP Common cational or educational or educational Sother: nctional point Recreational eneral public s (no permis	og, warm >80 yr-old) R plant s "S1" by Abundant NA (proceed acational oppor al site? YE Scientific Study and rating. I or Education access (no p sion required	AA docited radiversi contail listed a Rare to Overartunity. S, go to Colonal Area ermission	es not container types ANI ty (#13) is higher splant assons "S2" by the Common Il Summary ani ii. NO, consumptive Reconstruction	n previously D structural gh OR ciation e MTNHP D Abundant nd Rating page	previous associativersite Rare Rare Rare Rare Rare Rare Rare Rar	suly cited raretions AND sty (#13) is low Common 2L Potential	e types OR structural w-moderate
i. Rating: Working from top to bottom, Replacement Potential Estimated Relative Abundance (#11) □ Low Disturbance at AA (#12i) □ Moderate Disturbance at AA (#12i) □ High Disturbance at AA (#12i) Comments: 14L. RECREATION / EDUCATION PO Affords 'bonus' points if AA provide i. Is the AA a known or potential recruii. Check categories that apply to the iii. Rating: Use the matrix below to select Known or Public ownership or public easements.	AA cor springs foreste associating the MT Rare	tains fen, bos or mature (is of wetland Of ation listed a NHP Common cational or educational or educational Sother: nctional point Recreational eneral public s (no permis	og, warm >80 yr-old) R plant s "S1" by Abundant NA (proceed acational oppor al site? YE Scientific Study and rating. I or Education access (no p sion required	AA docited radiversi contail listed a Rare to Overartunity. S, go to Colonal Area ermission	es not container types ANI ty (#13) is higher splant assons "S2" by the Common Il Summary ani ii. NO, consumptive Reconstruction	n previously D structural gh OR ciation e MTNHP D Abundant nd Rating page	previous associativersite Rare Rare Provious Rare Rare Provious Rare Provious Rare Provious Rare Provious Rare Provious Rare Provious Rare Rare Provious Rare Provious	substitution in the state of th	e types OR structural w-moderate

Function & Value Variables	Rating – Actual Functional Points	Possible Functional Points	Functional Units: Actual Points x Estimated AA Acreage	Indicate the Four Most Prominent Functions with an Asterisk
A. Listed / Proposed T&E Species Habitat	low 0.00	1.00		
B. MT Natural Heritage Program Species Habitat	low 0.20	1.00		
C. General Wildlife Habitat	low 0.10	1.00		
D. General Fish Habitat	NA	NA		
E. Flood Attenuation	NA	NA		
F. Short and Long Term Surface Water Storage	low 0.30	1.00		
G. Sediment / Nutrient / Toxicant Removal	high 0.90	1.00		
H. Sediment / Shoreline Stabilization	NA	NA		
I. Production Export / Food Chain Support	mod 0.50	1.00		
J. Groundwater Discharge / Recharge	mod 0.70	1.00		
K. Uniqueness	low 0.20	1.00		
L. Recreation / Education Potential (bonus point)	NA			
Total Points	2.9	8	Total	Functional Units
Percent of Possible	e Score 36% (round	to nearest whol	e number)	

Category I Wetland: (must satisfy one of the following criteria; otherwise go to Category II) ☐ Score of 1 functional point for Listed/Proposed Threatened or Endangered Species; or ☐ Score of 1 functional point for Uniqueness; or ☐ Score of 1 functional point for Flood Attenuation and answer to Question 14E.ii is "yes"; or ☐ Percent of possible score > 80% (round to nearest whole #).
Category II Wetland: (Criteria for Category I not satisfied and meets any one of the following criteria; otherwise go to Category IV) Score of 1 functional point for MT Natural Heritage Program Species Habitat; or Score of .9 or 1 functional point for General Wildlife Habitat; or Score of .9 or 1 functional point for General Fish Habitat; or High" to "Exceptional" ratings for both General Wildlife Habitat and General Fish/Aquatic Habitat; or Score of .9 functional point for Uniqueness; or Percent of possible score > 65% (round to nearest whole #).
☐ Category III Wetland: (Criteria for Categories I, II, or IV not satisfied)
Category IV Wetland: (Criteria for Categories I or II are not satisfied and all of the following criteria are met; if not go to Category III) ☐ "Low" rating for Uniqueness; and ☐ Vegetated wetland component < 1 acre (do not include upland vegetated buffer); and ☐ Percent of possible score < 35% (round to nearest whole #).
OVERALL ANALYSIS AREA (AA) RATING: Check the appropriate category based on the criteria outlined above.

MDT MONTANA WETLAND ASSESSMENT FORM (revised March 2008)

1.	Project Name: US 93 N - P	ost Creek Hill 2. MDT Project	t #: NH 5-2(159)37 3. Contro	I #: <u>AA-2</u>								
3.	Evaluation Date: 9/23/24	4. Evaluator(s): B.Cline 5. V	Vetland/Site #(s): W-4-24									
6.	Wetland Location(s): Township 19 N, Range 20 W, Section 23 & 24; Township N, Range E, Section											
	Approximate Stationing of	r Roadposts: RP 37.2										
	Watershed: 4 - Flathead	County: <u>Lake</u>										
7.	Evaluating Agency: MDT Purpose of Evaluation: Wetland potentially affected by MDT project Mitigation wetlands; pre-construction Mitigation wetlands; post-construction Other 8. Wetland Size (acre):(visually estimated) 1.55 (measured, e.g. GPS) 9. Assessment Area (AA) Size (acre):(visually estimated) (see manual for determining AA) 1.55 (measured, e.g. GPS)											
	Other		•	•	rea, e.g. GPS)							
10	. CLASSIFICATION OF WE	TLAND AND AQUATIC HABIT	TATS IN AA (See manual for de	efinitions.)								
	HGM Class (Brinson)	Class (Cowardin)	Modifier (Cowardin)	Water Regime	% OF AA							
	Riverine	Emergent Wetland		Permanent / Perennial	50							
	Riverine	Aquatic Bed		Permanent / Perennial	9							
	Riverine	Forested Wetland		Permanent / Perennial	41							
	·											

Comments: AA consists of forested and emergent wetlands associated with a natural drainage feature to Post Creek.

11. ESTIMATED RELATIVE ABUNDANCE (of similarly classified sites within the same Major Montana Watershed Basin; see manual.) common

12. GENERAL CONDITION OF AA

 i. Disturbance: Use matrix below to select the appropriate response; see manual for Montana listed noxious weed and aquatic nuisance vegetation species lists.

	Predominant Conditions Adjacent to (within 500 feet of) AA									
Conditions within AA	Managed in predominantly natural state; is not grazed, hayed, logged, or otherwise converted; does not contain roads or buildings; and noxious weed or ANVS cover is ≤15%.	Land not cultivated, but may be moderately grazed or hayed or selectively logged; or has been subject to minor clearing; contains few roads or buildings; noxious weed or ANVS cover is ≤30%.	Land cultivated or heavily grazed or logged; subject to substantial fill placement, grading, clearing, or hydrological alteration; high road or building density; or noxious weed or ANVS cover is >30%.							
AA occurs and is managed in predominantly natural state; is not grazed, hayed, logged, or otherwise converted; does not contain roads or occupied buildings; and noxious weed or ANVS cover is ≤15%.										
AA not cultivated, but may be moderately grazed or hayed or selectively logged; or has been subject to relatively minor clearing, fill placement, or hydrological alteration; contains few roads or buildings; noxious weed or ANVS cover is ≤30%.			high disturbance							
AA cultivated or heavily grazed or logged; subject to relatively substantial fill placement, grading, clearing, or hydrological alteration; high road or building density; or noxious weed or ANVS cover is >30%.										

Comments (types of disturbance, intensity, season, etc.): Conditions within the AA include heavy grazing and hydrologic alterations.

- ii. Prominent noxious, aquatic nuisance, and other exotic vegetation species: <u>Canada thistle (Cirsium arvense)</u>, spotted knapweed (<u>Centaurea maculosa</u>), hounds tongue (<u>Cynoglossum officinale</u>), oxeye daisy (<u>Chrysanthemum leucanthemum</u>), cheatgrass (<u>Bromus tectorum</u>) and yellow-flag iris (<u>Iris pseudacorus</u>).
- iii. Provide brief descriptive summary of AA and surrounding land use/habitat: AA is located along the highway right of way and adjacent lands within intermittent drainage to Post Creek. Surrounding use includes roadway, agricultural, commercial business, and residential dwellings.

13. STRUCTURAL DIVERSITY (Based on number of "Cowardin" vegetated classes present [do not include unvegetated classes]; see #10 above.)

Existing # of "Cowardin" Vegetated Classes in AA	Initial Rating	Is current management peristence of additional		Modified Rating
≥3 (or 2 if one is forested) classes	high	NA	NA	NA
2 (or 1 if forested) classes		NA	NA	NA
1 class, but not a monoculture		←NO	YES→	
1 class, monoculture (1 species comprises ≥90% of total cover)		NA	NA	NA

Comments: AA dominated by emergent and forested vegetation.

Wetland/Site #(s): <u>AA-2: W-4-24</u>

I4A. HABITAT FOR FEDERALLY LISTED OR PROPOSED THREATENED OR ENDANGERED PLANTS OR ANIMALS																				
i. AA is Documented (D) or Suspected (S) to contain: Primary or critical habitat (list species) Secondary habitat (list species) Incidental habitat (list species) No usable habitat Check box based on definitions in manual. Grizzly bear Grizzly bear																				
i. Rating: Based on the strongest habitat chosen in 14A(i) above, select the corresponding functional point and rating. Highest Habitat Level Doc/Primary Sus/Primary Doc/Secondary Sus/Secondary Doc/Incidental Sus/Incidental None																				
Highest Habitat Level	Doc/	Prima	ry S	us/P	rimary	/ Do	c/Sec	onda	ry S	us/Se	conda	ry	Doc/Ir	nciden	tal	Sus/	Incide	ntal	None	
Functional Point/Rating					-					_	-						.1L			
Sources for documented us	se (e.g	. obse	rvation	s, red	cords):	<u>MNHI</u>	P, MFV	VP, l	JSFW9	<u>S</u>										
14B. HABITAT FOR PLANTS OR ANIMALS RATED S1, S2, OR S3 BY THE MONTANA NATURAL HERITAGE PROGRAM Do not include species listed in 14A above.																				
i. AA is Documented (D) or Suspected (S) to contain: Check box based on definitions in manual. Primary or critical habitat (list species)																				
ii. Rating: Based on the stro	ongest	habita	t chos	en in	14A(i)	above	e, selec	ct the					al point	and ra	ating.					_
Highest Habitat Level	Doc/	Prima	ry S	us/P	rimary	Do	c/Sec	onda	ry S	us/Se	conda	ry	Doc/Ir	nciden	tal	Sus/I	ncider	ntal	None	
S1 Species Functional Point/Rating					-			•		-	-								.0L	
S2 and S3 Species Functional Point/Rating				-						-							.1L			
	se (e c	obse	rvation	s rec	cords).	MNHI	> MFV	WP l	JSFWS	3										1
Sources for documented use (e.g. observations, records): MNHP, MFWP, USFWS 14C. GENERAL WILDLIFE HABITAT RATING i. Evidence of Overall Wildlife Use in the AA: Check substantial, moderate, or low based on supporting evidence.																				
□ Substantial: Based on an □ observations of abunda □ abundant wildlife sign □ presence of extremely □ interview with local bio □ Moderate: Based on any □ observations of scatter	ant will such a limitin logist of the ed wild	dlife #s s scat, g habit with kn followii dlife gre	or hig tracks at feat owledo ng [che oups o	h spe , nes ures i ge of eck]. r indi	ecies d t struct not ava the AA viduals	tures, ailable	game in the	trails, surro	etc. ounding	g area s durir	□ □ □	few little spar inter	or no v to no v se adja view v	wildlife wildlife acent ι	obser sign upland	vatior food	source	ng pea	ескј. ak use lge of <i>P</i>	
 □ common occurrence of □ adequate adjacent upla □ interview with local biol ii. Wildlife Habitat Features For class cover to be consider 	and foo logist \ s: Worl	od sou with kn king fro	rces owledg om top	ge of t	the AA	check	approp	riate	AA at	ributes	s in ma	trix to	o arrive	e at rat	ing. S	tructu	ural div	ersity	is from	#13.
percent composition of the A/S/I = seasonal/intermittent; T/	A (see	#10).	Abbre	viatio	ns for	surfac	e wate	r dur	ations	are as	follows	s: P/F	e per	rmanei	nt/pere	nnial		71 III LC	11115 01	uieii
Structural Diversity				⊠ I	High						Г	Mo	derate)					.ow	
(see #13) Class Cover Distribution			ven		_	⊠ Un	even			E				☐ Un	even					
(all vegetated classes) Duration of Surface Water in ≥ 10% of AA	P/P	S/I	T/E	Α	P/P	S/I	T/E	Α	P/P	S/I	T/E	Α	P/P	S/I	T/E	Α	P/P	S/I	T/E	Α
□ Low Disturbance at AA																				
(see #12i) ☐ Moderate Disturbance at AA (see #12i)																				
					М															
iii. Rating: Use the conclusi	ons fr	om i ar	nd ii ah	ove a	and the	matri	x belov	v to s	elect t	he fun	ctional	point	t and r	ating	<u>I</u>					
Evidence of Wildlife Use										s Ratir		,		9.		1				
(i)		<u> </u>	ceptio	nal			High				derate)		☐ Lo	w_					
☐ Substantial																				
Moderate										.5	δM					4				
Minimal																_				
Comments:																				

						١	Netla	nd/Sit	e #(s):	AA-2: \	W-4-2	<u>4</u>						
14D. GENERAL FISH HABIT If the AA is not used by entrapped in a canal], the	fish, fis	sh use is r		able du	ue to h		const	raints,	, or is n	ot desi	red fro	om a r	manage	ement	perspe	ective	[such	as fish
Assess this function if the precluded by perched of				e exist	ing sit	tuation	is "co	rrecta	ıble" su	ch tha	t the A	A cou	ıld be ι	ised by	/ fish [i.e., fis	sh use	is
Type of Fishery: 🔲 C	old Wa	iter (CW)	☐ War	m Wat	er (W	W) U	se the	CW o	or WW	guideli	nes in	the m	anual t	o comp	lete th	ie mati	rix.	
i. Habitat Quality and Know	n / Sus	spected F	ish Spec	ies in	AA:	Use ma	atrix to	sele	ct the fu	unction	nal poir	nt and	l rating					
Duration of Surface	□Р	ermanent	/ Perenr	nial		□se	easor	nal / Ir	ntermit	tent		Пт	empo	rary / E	phen	neral		
Water in AA Aquatic Hiding / Resting /		7		 Г	1		1	- T	7	Г	1		7	. Г	7	Г	1	
Escape Cover	Opti	imal A	dequate	Po	or	Opti		Ade	quate	Po		Opt	timal	Adec	uate	Pc	or	
Thermal Cover: optimal / suboptimal	0	S (o s	0	s	0	S	0	S	0	S	0	S	0	S	0	s	
FWP Tier I fish species																		
FWP Tier II or Native																		
Game fish species FWP Tier III or Introduced																		
Game fish FWP Non-Game Tier IV or																		
No fish species															-			
Sources used for identifying	j fish s	pp. potei	ntially for	und in	AA : <u>N</u>	MFISH,	MHN	IP,&∣	MFWP.									=
ii. Modified Rating: NOTE:	Modifie	d score c	annot exc	eed 1.	0 or b	e less	than (0.1.										
a) Is fish use of the AA signific MDEQ list of waterbodies in n support, or do aquatic nuisand	eed of	TMDL de	velopmen	t with I	isted	"Probal	ble In	npaire	d Uses	" includ	ding co	old or	warm v	vater fi	shery	or aqu	uatic lit	fe
b) Does the AA contain a doct native fish or introduced game										nctuary	pool,	upwe	lling ar	ea; sp	ecify ir	n comi	ments)	for
iii. Final Score and Rating:	Com	ments:																
14E. FLOOD ATTENUATION Applies only to wetlands If wetlands in AA are no	s that a	re subjec	A (procee t to floodi -channel	ng via i	in-cha	innel oi flow, c	over heck	bank the N	flow. A box a	ınd pro	ceed t	to 14F	₹.					
Entrenchment Ratio (ER) Es Flood-prone width = estimated																		e stream.
<u>25</u> / <u>10</u> =	2.5						ė.	Se.							d	go		
flood prone width / bankfull wi	dth = ei	ntrenchm	ent ratio		2	D 10	11.5		MAKEN K.	XV XX	kal	- , -		Ja.	– / F	lood-p	rone W	/idth
					23	k Bankf	uii De	ptn 🦠	***************************************		avav		<u>.</u>	M MAY	Banl	cfull W	idth	
									В	ankfull	Depth	\$ \$000	uudl					
Slightly Ent	roncho	d	1	Mod	orato	ly Entr	onch	od				Ent	renche	nd.				
Slightly Ent ER ≥ 2		u				1.41 –		eu					: 1.0 –					
C stream type D stream		E strea	m type_		B str	eam ty	pe		A stre	am typ	pe_	F str	ream ty	/pe	G st	ream t	type	
										/		Ę			7	/		
i Detinou Markin a francis		41		-1		-446 - 5												
i. Rating: Working from top to Estimated or Calculated				elow to lightly l					oint and erately				П	Entrend	ched		1	
(Rosgen 1994, 1996)			C, E), E str	eam t	ypes		-	stream				<u>A, F, G</u>			s		
Percent of Flooded Wetlan Forested and/or Scrub/Sl		sified as	75%	25-7		□ <25%		□ 5%	 25-75	% -	□ <25%	75	_	25-75 ⁹	% /	25%		
AA contains no outlet or re		d outlet		2037	-			J 70 	20-70	,,,								
AA contains unrestric				.8	Н													

ii. Are ≥10 acres of wetland in the AA subject to flooding AND are man-made features which may be significantly damaged by floods located within 0.5 mile downstream of the AA? ☐ YES ☐ NO Comments: _____

Wetland/Site #(s): AA-2: W-4-24

14F.	F. SHORT AND LONG TERM SURFACE WATER STORAGE $\ \ \Box$	NA (proceed to 14G)
	Applies to wetlands that flood or pond from overbank or in-channel f	low, precipitation, upland surface flow, or groundwater flow.
	If no wetlands in the AA are subject to flooding or ponding, then che	ck the NA box and proceed to 14G.

i. Rating: Working from top to bottom, use the matrix below to select the functional point and rating. Abbreviations for surface water durations are as follows: P/P = permanent/perennial; S/I = seasonal/intermittent; and T/E = temporary/ephemeral [see manual for further definitions of these terms].

Estimated Maximum Acre Feet of Water Contained in Wetlands within the AA that are Subject to Periodic Flooding or Ponding		>5 acre fo	eet	⊠ 1.1 to 5 acre feet		☐ ≤1 acre foot			
Duration of Surface Water at Wetlands within the AA	□ P/P	□ S/I	□ T/E	⊠ P/P	□ S/I	□ T/E	□ P/P	□ S/I	□ T/E
Wetlands in AA flood or pond ≥ 5 out of 10 years				.8H					
Wetlands in AA flood or pond < 5 out of 10 years									

Comments: Wetlands consist of mostly linear feature with limited water holding capacity.

14G.	SEDIMENT	/ NUTRIENT	/ TOXICANT	/ RETENTION	AND REMOVA	L 🗌 NA	(proceed to 1	14H
------	-----------------	------------	------------	-------------	------------	--------	---------------	-----

Applies to wetland with potential to receive sediments, nutrients, or toxicants through influx of surface or ground water or direct input. If no wetlands in the AA are subject to such input, check the NA box and proceed to 14H.

i. Rating: Working from top to bottom, use the matrix below to select the functional point and rating.

Sediment, Nutrient, and Toxicant Input Levels within AA	AA receive has potent nutrients, such that a substantia sedimenta toxicants, present.	tial to delive or compount other funct ally impaire tion, source	er sedime inds at lev ions are n d. Minor es of nutr	ents, rels not rients or	Waterbody is need of TMDI causes" relat toxicants or A has potential nutrients, or functions are sedimentation or signs of eu	development de to sediment AA receives of to deliver his compounds substantially n, sources of	nt for "probal int, nutrients, or surroundin gh levels of s such that oth y impaired. M	ole or og land use ediments, er ajor
% Cover of Wetland Vegetation in AA	⊠≥∶	70%	□<	70%	□≥7	70%	□<	70%
Evidence of Flooding / Ponding in AA	⊠ Yes	☐ No	☐ Yes	□No	☐ Yes	☐ No	☐ Yes	☐ No
AA contains no or restricted outlet								
AA contains unrestricted outlet	.9H							

Comments: Vegetation cover in the wetlands greater than 70% and site has evidence of annual flooding.

Applies only if AA occurs on or within the banks of a river, stream, or other natural or man-made drainage, or on the shoreline of a standing water body which is subject to wave action.

If 14H does not apply, check the NA box and proceed to 14I.

% Cover of Wetland Streambank or Shoreline by Species with Stability	Duration of S	urface Water Adjacent to Roo	ted Vegetation
Ratings of ≥6 (see Appendix F).	Permanent / Perennial	☐ Seasonal / Intermittent	☐ Temporary / Ephemeral
⊠ ≥ 65%	1H		
□ 35-64%			
☐ < 35%			

Comments: .

14I. PRODUCTION EXPORT / FOOD CHAIN SUPPORT

i. Level of Biological Activity: Synthesis of wildlife and fish habitat rates (select).

General Fish Habitat Rating	Genera	I Wildlife Habitat Rati	ing (14Ciii)
(14Diii)	☐ E/H	oxtimes M	L
☐ E/H			
L			
⊠ NA		M	

ii. Rating: Working from top to bottom, use the matrix below to select the functional point and rating. Factor A = acreage of vegetated wetland component in the AA; Factor B = level of biological activity rating from above (14li); Factor C = whether or not the AA contains a surface or subsurface outlet; the final three rows pertain to the duration of surface water in the AA, where P/P, S/I, and T/E were previously defined, and A = "absent" [see manual for further definitions of these terms].

Α		Vegeta	ted Co	mponent	: >5 ac	res		Vegeta	ated Co	mponent	1-5 ac		Veget	tated Co	mponen	t <1 acı	re	
В			☐ High				Low	H	ligh	☐ Mo	derate	☐ Low						
С	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
P/P									.7M									
S/I				-				-				-						
T/E/A				-				-				-						

Wetland/Site #(s): AA-2: W-4-24

					-,. <u> </u>				
14I. PRODUCTION EXPORT / FOOD O	CHAIN S	SUPPORT (cor	ntinued)						
iii. Modified Rating: Note: Modified so	ore can	not exceed 1.0	or be less than	า 0.1.					
mowing or clearing (unless for weed	control).					-		
iv. Final Score and Rating: <u>.7M</u> Con	nments	:							
						e Indicators eable substrate present without underlying impeding layer. Ind contains inlet but no outlet. In is a known 'losing' stream. Discharge volume decreases. Itional point and rating. IS FROM GROUNDWATER DISCHARGE OF GING THE GROUNDWATER SYSTEM T None and rating. None AA does not contain previously types AND structural diversity (#13) is low-moderate diversity (#13) is low-moderate Common Abundant Rare Common Abundant			
iii. Modified Rating: Note: Modified score cannot exceed 1.0 or be less than 0.1. Vegetated Upland Buffer: Area with ≥ 30% plant cover, ≤ 15% noxious weed or ANVS cover, AND that is not subjected to periodic mechanimomy or clearing (unless for weed control). Is there an average ≥ 50-foot wide vegetated upland buffer around ≥ 75% of the AA's perimeter?	0 ,								
iii. Rating: Use the information from i a	and ii ab								a
0 % -		<u> WITH </u>	<u>/ATER THAT I</u>	S RECHA	RGING THE		TER SYS	TEM	
In the content of the third of th									
iii. Modified Rating: Note: Modified score cannot exceed 1.0 or be less than 0.1. Vegetated Upland Buffer: Area with ≥ 30% plant cover, ≤ 15% noxious weed or ANVS cover, AND that is not subjected to periodic mechanic mowing or clearing (unless for weed control). Is there an average ≥ 50-foot wide vegetated upland buffer around ≥ 75% of the AA's perimeter? YES, add 0.1 to score in ii = NO. No. Final Score and Rating: ZM Comments:									
	erlying s	uhstrate							1
	use the	matrix below to	o select the fun	ctional po	oint and rating	J.		ithout underlying impeding layer. utlet. am. Discharge volume decreases. AA does not contain previously cited rare types OR associations AND structural diversity (#13) is low-moderate Rare Common Abundant XX. Non-consumptive recreational	
Replacement Potential	spring forest assoc	gs or mature (ted wetland Ol ciation listed a	>80 yr-old) R plant	cited ra diversi contair	ire types ANI ty (#13) is hig is plant asso	Structural gh OR ciation	previou associa	sly cited rar	e types OR tructural
Estimated Relative Abundance (#11)	□ Rare	e ☐ Common	□ Abundant	□ Rare		□ Abundant	□ Rare	☐ Common	□ Abundant
Moderate Disturbance at AA (#12i)									-
							-		
iii. Modified Rating: Note: Modified score cannot exceed 1.0 or be less than 0.1. Vegetated Upland Buffer: Area with ≥ 30% plant cover, ≤ 15% noxious weed or ANVS cover, AND that is not subjected to periodic mechanic mowing or cleaning (unless for weed control). Is there an average ≥ 50-foot wide vegetated upland buffer around ≥ 75% of the AA's perimeter? □ YES, add 0.1 to score in ii = □ NO No. Final Score and Rating: MC Comments: □ NO No. Final Score and Rating: MC Comments: □ NO No. Final Score and Rating: MC Comments: □ NO No. Final Score and Rating: MC Comments: □ NO No. Final Score and Rating: MC Comments: □ NO No. Final Score and Rating: MC Comments: □ NO No. Final Score and Rating: MC Comments: □ NO No. Final Score and Rating: MC Comments: □ NO No. Final Score and Rating: MC Comments: □ NO No. Final Score and Rating: MC Comments: □ NO No. Final Score and Rating: MC Comments: □ NO No. Final Score and Rating: MC Comments: □ NO No. Final Score and Rating: MC Comments: □ NO No. Final Score and Rating: MC Comments: □ No No. Final Score and Rating: MC Comments: □ No No. Final Score and Rating: MC Comments: □ No No. Final Score and Rating: MC Comments: □ No No. Final Score and Rating: MC Comments: □ No No. Final Score and Rating: MC Comments: □ No No. Final Score and Rating: MC Comments: □ No No. Final Score and Rating: MC Comments: □ No No. Final Score and Rating: MC Comments: □ No No. Final Score and Rating: MC Nove No. Final Score and Rating: MC Nov									
 ☑ High Disturbance at AA (#12i) Comments: High structural diversity. 14L. RECREATION / EDUCATION PO Affords 'bonus' points if AA provide i. Is the AA a known or potential recreii. Check categories that apply to the 	TENTIA es a rec eationa AA:	reational or education Greducation Educational/S Other:	NA (proceed ucational oppor al site? ☐ YE	to Overatunity.	.4M Il Summary aı ii. □ NO , cl	 nd Rating page neck the NA be	 e)		
Modified Rating: Note: Modified score cannot exceed 1.0 or be less than 0.1. Vegetated Upland Buffer: Area with ≥ 30% plant cover, \$15% noxious weed or ANVS cover, AND that is not subjected to periodic mechanical moving or cleaning (unless for weed control). Is there an average ≥ 80-foot wide vegetated upland buffer around ≥ 75% of the AA's perimeter?									
III. Modified Rating: Note: Modified score cannot exceed 1.0 or be less than 0.1. Vogetated Upland Buffer: Area with ≥ 30% plant cover, ≤ 15% noxious weed or ANVS cover, AND that is not subjected to periodic mechanical mowing or clearing (unless for weed control). Is there an average ≥ 50-foot wide vegetated upland buffer around ≥ 75% of the AA's perimeter? VES, add 0.1 to score in II = NO V. Final Score and Rating:									
 ☑ High Disturbance at AA (#12i) Comments: High structural diversity. 14L. RECREATION / EDUCATION PO Affords 'bonus' points if AA provide i. Is the AA a known or potential recruii. Check categories that apply to the iii. Rating: Use the matrix below to select Known or Public ownership or public easemer 	TENTIA es a rec eationa AA: cot the fo	reational or education I or educational/S Cother: unctional point Recreational general public	NA (proceed ucational oppor al site? ☐ YE Scientific Study and rating.	to Overa tunity. S, go to Cor Al Area ermissio	.4M Il Summary aı ii. □ NO , cl asumptive Red	 nd Rating page neck the NA be	e) OX. Non-cons Known	sumptive recr	eational
 ☑ High Disturbance at AA (#12i) Comments: High structural diversity. 14L. RECREATION / EDUCATION PO Affords 'bonus' points if AA provide i. Is the AA a known or potential recreii. Check categories that apply to the iii. Rating: Use the matrix below to select Known or Public ownership or public easemer Private ownership with general public 	TENTIA es a rec eationa AA: cet the fe cotentia nt with g ic accee	reational or education Tor educational/S Other: unctional point Recreationa general public ss (no permis	NA (proceed acational oppor al site? YE Scientific Study and rating.	to Overa tunity. S, go to Cor Al Area	.4M Il Summary al ii. □ NO, cl asumptive Rec	nd Rating page	 DX. Non-cons Known	sumptive recr	eational
 ☑ High Disturbance at AA (#12i) Comments: High structural diversity. 14L. RECREATION / EDUCATION PO Affords 'bonus' points if AA provide i. Is the AA a known or potential recruii. Check categories that apply to the iii. Rating: Use the matrix below to select Known or Public ownership or public easemer Private ownership with general public Private or public ownership without 	TENTIA es a rec eationa AA: cet the fe cotentia nt with g ic accee	reational or education Tor educational/S Other: unctional point Recreationa general public ss (no permis	NA (proceed acational oppor al site? YE Scientific Study and rating.	to Overa tunity. S, go to Cor Al Area	.4M Il Summary al ii. □ NO, cl asumptive Rec	nd Rating page	 DX. Non-cons Known	sumptive recr	eational

Wetland/Site #(s): <u>AA-2: W-4-24</u>

Function & Value Variables	Rating – Actual Functional Points	Possible Functional Points	Functional Units: Actual Points x Estimated AA Acreage	Indicate the Four Most Prominent Functions with an Asterisk
A. Listed / Proposed T&E Species Habitat	low 0.10	1.00		
B. MT Natural Heritage Program Species Habitat	low 0.10	1.00		
C. General Wildlife Habitat	mod 0.50	1.00		
D. General Fish Habitat	NA	NA		
E. Flood Attenuation	high 0.80	1.00		
F. Short and Long Term Surface Water Storage	high 0.80	1.00		
G. Sediment / Nutrient / Toxicant Removal	high 0.90	1.00		
H. Sediment / Shoreline Stabilization	high 1.00	1.00		
I. Production Export / Food Chain Support	mod 0.70	1.00		
J. Groundwater Discharge / Recharge	high 1.00	1.00		
K. Uniqueness	mod 0.40	1.00		
L. Recreation / Education Potential (bonus point)	NA			
Total Points	6.3	10	Total	Functional Units
Percent of Possible	e Score 62% (round	to nearest whol	e number)	

Category I Wetland: (must satisfy one of the following criteria; otherwise go to Category II) ☐ Score of 1 functional point for Listed/Proposed Threatened or Endangered Species; or ☐ Score of 1 functional point for Uniqueness; or ☐ Score of 1 functional point for Flood Attenuation and answer to Question 14E.ii is "yes"; or ☐ Percent of possible score > 80% (round to nearest whole #).
Category II Wetland: (Criteria for Category I not satisfied and meets any one of the following criteria; otherwise go to Category IV) Score of 1 functional point for MT Natural Heritage Program Species Habitat; or Score of .9 or 1 functional point for General Wildlife Habitat; or Score of .9 or 1 functional point for General Fish Habitat; or "High" to "Exceptional" ratings for both General Wildlife Habitat and General Fish/Aquatic Habitat; or Score of .9 functional point for Uniqueness; or Percent of possible score > 65% (round to nearest whole #).
☐ Category III Wetland: (Criteria for Categories I, II, or IV not satisfied)
Category IV Wetland: (Criteria for Categories I or II are not satisfied and all of the following criteria are met; if not go to Category III) "Low" rating for Uniqueness; and Vegetated wetland component < 1 acre (do not include upland vegetated buffer); and Percent of possible score < 35% (round to nearest whole #).
OVERALL ANALYSIS AREA (AA) RATING: Check the appropriate category based on the criteria outlined above.

MDT MONTANA WETLAND ASSESSMENT FORM (revised March 2008)

ır	HOMOL (Daine)	Madification (Occupation) Water Designs	A A A
10). CLASSIFICATION OF WETLAND AND AQUATIC HABITA	TATS IN AA (See manual for definitions.)	
	Other	(see manual for determining AA) 45.37 (measured, e.	
	☐ Mitigation wetlands; post-construction	9. Assessment Area (AA) Size (acre): (visually esting	mated)
	☐ Mitigation wetlands; pre-construction		
	■ Wetland potentially affected by MDT project	<u></u>	
	Purpose of Evaluation:	45.37 (measured, e.g. GPS)	
7.	Evaluating Agency: MDT	8. Wetland Size (acre): (visually estimated)	
	Watershed: 4 - Flathead County: _ Lake		
	Approximate Stationing of Roadposts. No. 37.4 to N. 37.9	<u>ə</u>	
	Approximate Stationing or Roadposts: RP 37.4 to RP37.9	a	
3.	Wetland Location(s): Township 19 N, Range 20 W, Section	on <u>23 & 24;</u> Township <u>N</u> , Range <u>E</u> , Section	
3.	Evaluation Date: 9/23/24 4. Evaluator(s): B.Cline 5. Wes	etland/Site #(s): <u>W-5,6-24</u>	
١.	Project Name: <u>US 93 N - Post Creek Hill</u> 2. MDT Project #	#: NH 5-2(159)37 3. Control #: AA-3	

HGM Class (Brinson)	Class (Cowardin)	Modifier (Cowardin)	Water Regime	% OF AA
Depressional	Aquatic Bed	Excavated	Permanent / Perennial	1
Riverine	Emergent Wetland		Permanent / Perennial	60
Riverine	Scrub-Shrub Wetland		Permanent / Perennial	17
Riverine	Forested Wetland		Permanent / Perennial	18
Slope	Emergent Wetland		Seasonal / Intermittent	4

Comments: AA consists of wetlands associated with Post Creek. Wetlands dominated by emergent, scrub-shrub, and forested vegetation types. Wetlands located adjacent to the waterway and along sloped wetlands that drain toward the waterway. The outer fringes of the complex are sedge meadows.

11. ESTIMATED RELATIVE ABUNDANCE (of similarly classified sites within the same Major Montana Watershed Basin; see manual.) common

12. GENERAL CONDITION OF AA

i. Disturbance: Use matrix below to select the appropriate response; see manual for Montana listed noxious weed and aquatic nuisance vegetation species lists.

	Predominar	nt Conditions Adjacent to (within	500 feet of) AA		
Conditions within AA	Managed in predominantly natural state; is not grazed, hayed, logged, or otherwise converted; does not contain roads or buildings; and noxious weed or ANVS cover is ≤15%.	red, hayed, logged, or red; does not contain ps; and noxious weed moderately grazed or hayed or selectively logged; or has been subject to minor clearing; contains few roads or buildings; hydrological alteration; hydrolog			
AA occurs and is managed in predominantly natural state; is not grazed, hayed, logged, or otherwise converted; does not contain roads or occupied buildings; and noxious weed or ANVS cover is ≤15%.					
AA not cultivated, but may be moderately grazed or hayed or selectively logged; or has been subject to relatively minor clearing, fill placement, or hydrological alteration; contains few roads or buildings; noxious weed or ANVS cover is ≤30%.		moderate disturbance			
AA cultivated or heavily grazed or logged; subject to relatively substantial fill placement, grading, clearing, or hydrological alteration; high road or building density; or noxious weed or ANVS cover is >30%.					

Comments (types of disturbance, intensity, season, etc.): AA is managed in natural state. Conditions outside of the AA includes disturbance from highway, agricultural, commercial business, and residential dwellings.

- ii. Prominent noxious, aquatic nuisance, and other exotic vegetation species: Canada thistle (Cirsium arvense), spotted knapweed (Centaurea maculosa), hounds tongue (Cynoglossum officinale), and yellow-flag iris (Iris pseudacorus).
- iii. Provide brief descriptive summary of AA and surrounding land use/habitat: AA includes large wetland complex associated with Post Creek drainage. AA managed in natural state as open space and wildlife habitat. Surrounding land use includes highway, agriculture, commercial business, and residential dwellings.

13. STRUCTURAL DIVERSITY (Based on number of "Cowardin" vegetated classes present [do not include unvegetated classes]; see #10 above.)

Existing # of "Cowardin" Vegetated Classes in AA	Initial Rating	Is current management peristence of additional		Modified Rating
≥3 (or 2 if one is forested) classes	high	NA	NA	NA
2 (or 1 if forested) classes		NA	NA	NA
1 class, but not a monoculture		←NO	YES→	
1 class, monoculture (1 species comprises ≥90% of total cover)		NA	NA	NA

Comments: AA dominated by emergent, scrub-shrub, and forested vegetation types.

						We	tland	/Site	#(s): <u>A/</u>	4-3: W-	-5,6-2	<u>24</u>							
14A. HABITAT FOR FEDERALI	LY LIS	STED O	R PROF	OSED '	THRE	EATEN	ED (OR E	NDANG	ERED	PLA	NTS C	R AN	IMALS	3				
Primary or critical habitat (list s Secondary habitat (list specie Incidental habitat (list species No usable habitat	specio s) s)	es) ´[[D	S S <u>Griz</u> S	<u></u> zly be	<u>ear</u>													
											- 1							Г	_
	rongest habitat chosen in 14A(i) above, select the corresponding functional point and rating. Doc/Primary Sus/Primary Doc/Secondary Sus/Secondary Doc/Incidental Sus/Incidental None															Э			
	South Sout																		
14B. HABITAT FOR PLANTS O	OR ANIMALS RATED S1, S2, OR S3 BY THE MONTANA NATURAL HERITAGE PROGRAM sted in 14A above. uspected (S) to contain: Check box based on definitions in manual.																		
Secondary habitat (list species)																			
No usable habitat															7				
S1 Species	ng: Based on the strongest habitat chosen in 14A(i) above, select the corresponding functional point and rating. hest Habitat Level Doc/Primary Sus/Primary Doc/Secondary Sus/Secondary Doc/Incidental Sus/Incidental None Species																		
S2 and S3 Species	S																		
Sources for documented use (e	e.g. ol	bservati														_			
14C. GENERAL WILDLIFE HAE	BITAT	RATIN	G																
i. Evidence of Overall Wildlife	Use iı	n the A	A: Chec	k substa	antial,	, mode	rate,	or lov	w based	l on su	pport	ting evi	dence	٠.					
 ☑ observations of abundant \u00ed ☑ abundant wildlife sign such □ presence of extremely limited 	wildlife h as se iting h	e #s or r cat, trac abitat fe	nigh spec ks, nest atures n	cies dive structur ot availa	es, ga	ame tra	ails, e	etc.	od)		ew or ttle to parse	r no wi o no wi e adjac	ldlife o Idlife s ent up	bserva ign bland fo	ations ood s	during ources	g peak	cuse pe	
 □ observations of scattered v □ common occurrence of wild □ adequate adjacent upland 	wildlife dlife s food s	e groups ign such sources	or indiv n as scat	, tracks,							perio	ds							
For class cover to be considered	eveni	y distrib	uted, the	most a	nd le	ast pre	valer	nt ve ç	getated	classe	es mu	ıst be v	vithin 2	20% of	each				
S/I = seasonal/intermittent; T/E =	temp	orary/ep	hemera	; and A	= abs	sent [s	ee m	anual	for furt	her de	finitio	ns of tl	nese te	erms].					
(see #13)				High] Mo	derate	1					-ow	
		☐ Eve	n	Σ	∐ Un	even				ven			□ Un	even				ven	
Duration of Surface	D/P	S/I T	/F Δ	D/D	S/I	T/F	Δ	P/P	S/I	T/F	Δ	D/P	S/I	T/F		P/P	S/I	T/F	Δ
Water in ≥ 10% of AA	F / F	3/1 1	<u>'- </u>	F //F	3/1	1/_	^	F/F	3/1	1/2	^	F //F	3/1	1/2	^	F //F	3/1	1/2	_
(see #12i)		-																	
at AA (see #12i)				Н															
☐ High Disturbance at AA (see #12i)		-																	
iii. Rating: Use the conclusions	from	i and ii :	ahove ar	nd the m	atrix	helow	to se	lect ti	ne funct	ional r	oint :	and rat	ina						
Evidence of Wildlife Use									es Rati						1				
(i)		Exce	otional			High				derat	<u>e</u>		☐ Lo	<u>w</u>					
Substantial □ Maderate						.9H									_				
															1				
												1			_				

Comments: CSKT Biologist

Wetland/Site #(s): AA-3: W-5,6-24

14D.	GENERAL	FISH HABITAT	□ NA (proceed to	14E
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If the AA is not used by fish, fish use is not restorable due to habitat constraints, or is not desired from a management perspective [such as fish entrapped in a canal], then check the NA box and proceed to 14E.

Assess this function if the AA is used by fish or the existing situation is "correctable" such that the AA could be used by fish [i.e., fish use is precluded by perched culvert or other barrier].

Type of Fishery: Cold Water (CW) Warm Water (WW) Use the CW or WW guidelines in the manual to complete the matrix.

i. Habitat Quality and Known / Suspected Fish Species in AA: Use matrix to select the functional point and rating.

Duration of Surface Water in AA	⊠ Po	☑ Permanent / Perennial						☐ Seasonal / Intermittent						☐ Temporary / Ephemeral				
Aquatic Hiding / Resting / Escape Cover	Opti	Dptimal A		⊠ Adequate		□ Poor		☐ Optimal		☐ Adequate		□ Poor		Optimal		Adequate		oor
Thermal Cover: optimal / suboptimal	0	S	0	s	0	s	0	s	0	S	0	S	0	S	0	s	0	S
FWP Tier I fish species																		
FWP Tier II or Native Game fish species																		
FWP Tier III or Introduced Game fish			.6M	-							-					1	1	
FWP Non-Game Tier IV or No fish species																		

Sources used for identifying fish spp. potentially found in AA: MFISH, MHNP,& MFWP.

ii. Modified Rating: NOTE: Modified score cannot exceed 1.0 or be less than 0.1.

a) Is fish use of the AA significantly reduced by a culvert, dike, or other man-made structure or activity, or is the waterbody included on the current final MDEQ list of waterbodies in need of TMDL development with listed "Probable Impaired Uses" including cold or warm water fishery or aquatic life support, or do aquatic nuisance plant or animal species (see Appendix E) occur in fish habitat? TYES, reduce score in i by 0.1 = or 🖂 NO

b) Does the AA contain a documented spawning area or other critical habitat feature (i.e., sanctuary pool, upwelling area; specify in comments) for native fish or introduced game fish? \boxtimes YES, add to score in i or iia 0.1 = .1 or \square NO

iii. Final Score and Rating: .7M Comments: Rainbow fingerlings caught in Post Creek

14E. FLOOD ATTENUATION

■ NA (proceed to 14F) Applies only to wetlands that are subject to flooding via in-channel or overbank flow.

If wetlands in AA are not flooded from in-channel or overbank flow, check the NA box and proceed to 14F.

Entrenchment Ratio (ER) Estimation (see manual for additional guidance). Entrenchment ratio = (flood-prone width) / (bankfull width).

Flood-prone width = estimated horizontal projection of where 2 X maximum bankfull depth elevation intersects the floodplain on each side of the stream.

60 25

flood prone width / bankfull width = entrenchment ratio



S	lightly Entrenche ER ≥ 2.2	ed	Moderately Entrenched ER = 1.41 – 2.2		Entrenched ER = 1.0 – 1.4	
C stream type	D stream type	E stream type	B stream type	A stream type	F stream type	G stream type

i. Rating: Working from top to bottom, use the matrix below to select the functional point and rating

rating. Working from top to bottom, use the m	C DOIC	501000			it aira ratiri	<u>g.</u>			
Estimated or Calculated Entrenchment	⊠ Sli	ightly Entrei	nched	☐ Mod	erately Entr	renched	☐ Entrenched		
(Rosgen 1994, 1996)	C, D	, E stream t	ypes	В	stream typ	е	A, F,	G stream ty	/pes
Percent of Flooded Wetland Classified as		\boxtimes							
Forested and/or Scrub/Shrub	75%	25-75%	<25%	75%	25-75%	<25%	75%	25-75%	<25%
AA contains no outlet or restricted outlet	-		-		-			-	
AA contains unrestricted outlet		.8H	-				-	-	

ii. Are ≥10 acres of wetland in the AA subject to flooding AND are man-made features which may be significantly damaged by floods located within 0.5 mile downstream of the AA?

YES NO Comments: Wetlands adjacent to Post Creek

Wetland/Site #(s): AA-3: W-5,6-24

14F.	SHORT AND LONG TERM SURFACE WATER STORAGE NA (proceed to 14G)
	Applies to wetlands that flood or pond from overbank or in-channel flow, precipitation, upland surface flow, or groundwater flow.
	If no wetlands in the AA are subject to flooding or ponding, then check the NA box and proceed to 14G.

i. Rating: Working from top to bottom, use the matrix below to select the functional point and rating. Abbreviations for surface water durations are as follows: P/P = permanent/perennial; S/I = seasonal/intermittent; and T/E = temporary/ephemeral [see manual for further definitions of these terms].

Estimated Maximum Acre Feet of Water Contained in Wetlands within the AA that are Subject to Periodic Flooding or Ponding		>5 acre fe	eet	□ 1 .1	to 5 ac	re feet		1 acre	foot
Duration of Surface Water at Wetlands within the AA	⊠ P/P	□ S/I	□ T/E	□ P/P	□ S/I	□ T/E	□ P/P	□ S/I	□ T/E
Wetlands in AA flood or pond ≥ 5 out of 10 years	1H								-
Wetlands in AA flood or pond < 5 out of 10 years									

Comments: Wetlands consist of large area with water holding capacity.

14G. S	SEDIMENT	/ NUTRIENT /	TOXICANT /	RETENTION	AND REMOVAL	□ NA ((proceed to	14H
--------	----------	--------------	------------	-----------	-------------	--------	-------------	-----

Applies to wetland with potential to receive sediments, nutrients, or toxicants through influx of surface or ground water or direct input. If no wetlands in the AA are subject to such input, check the NA box and proceed to 14H.

i. Rating: Working from top to bottom, use the matrix below to select the functional point and rating.

Sediment, Nutrient, and Toxicant Input Levels within AA	AA receive has potent nutrients, such that a substantia sedimenta toxicants, present.	tial to deliv or compou other funct Illy impaire tion, sourc	er sedime inds at lev ions are n d. Minor es of nutr	ents, rels not rients or	Waterbody is on MDEQ list of waterbodies in need of TMDL development for "probable causes" related to sediment, nutrients, or toxicants or AA receives or surrounding land use has potential to deliver high levels of sediments, nutrients, or compounds such that other functions are substantially impaired. Major sedimentation, sources of nutrients or toxicants, or signs of eutrophication present.					
% Cover of Wetland Vegetation in AA	⊠≥′	70%	□<	70%	□ ≥ 70%					
Evidence of Flooding / Ponding in AA	⊠ Yes	☐ No	☐ Yes	☐ No	☐ Yes	☐ No	☐ Yes	☐ No		
AA contains no or restricted outlet										
AA contains unrestricted outlet	.9H									

Comments: Vegetation cover in the wetlands greater than 70% and site has evidence of annual flooding.

Applies only if AA occurs on or within the banks of a river, stream, or other natural or man-made drainage, or on the shoreline of a standing water body which is subject to wave action.

If 14H does not apply, check the NA box and proceed to 14I.

% Cover of Wetland Streambank or Shoreline by Species with Stability	Duration of Surface Water Adjacent to Rooted Vegetation							
Ratings of ≥6 (see Appendix F).	Permanent / Perennial	☐ Seasonal / Intermittent	☐ Temporary / Ephemeral					
⊠ ≥ 65%	1H							
□ 35-64%								
☐ < 35%								

Comments: Wetland species with deep binding roots.

14I. PRODUCTION EXPORT / FOOD CHAIN SUPPORT

i. Level of Biological Activity: Synthesis of wildlife and fish habitat rates (select).

General Fish Habitat Rating	Genera	l Wildlife Habitat Rati	ing (14Ciii)
(14Diii)	⊠ E/H	■ M	L
☐ E/H			
⊠ M	Н		
☐ L			
□ NA			

ii. Rating: Working from top to bottom, use the matrix below to select the functional point and rating. Factor A = acreage of vegetated wetland component in the AA; Factor B = level of biological activity rating from above (14li); Factor C = whether or not the AA contains a surface or subsurface outlet; the final three rows pertain to the duration of surface water in the AA, where P/P, S/I, and T/E were previously defined, and A = "absent" [see manual for further definitions of these terms].

Α	\boxtimes	Vegeta	ted Co	mponent	t >5 ac	res	☐ Vegetated Component 1-5 acres ☐ Vegetated Component <1 acre						☐ Vegetated Component 1-5 acres ☐ Vegetated Component <1 acr					re
В	⊠⊦	ligh	Ш	oderate		Low	_ 	ligh		oderate		Low	_ 	ligh	☐ Mo	derate		_ow
С	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
P/P	1H			-														
S/I		-		-				-										
T/E/A																		

15. GENERAL SITE NOTES: _____

Wetland/Site #(s): AA-3: W-5,6-24

			vvetiand	1/Site #(s)): <u>AA-3: W-5,6</u>	<u>-24</u>			
14I. PRODUCTION EXPORT / FOOD CH	IAIN SU	PPORT (conti	nued)						
iii. Modified Rating: Note: Modified scor	e canno	t exceed 1.0 o	r be less than	0.1.					
Vegetated Upland Buffer: Area with mowing or clearing (unless for weed color there an average ≥ 50-foot wide veg	ontrol).				•		•	·	
iv. Final Score and Rating: 1H Comm	ents:								
14J. GROUNDWATER DISCHARGE / R Check the appropriate indicators in									
i. Discharge Indicators The AA is a slope wetland. Springs or seeps are known or vegetation growing during do wetland occurs at the toe of Seeps are present at the wet AA permanently flooded during Wetland contains an outlet, by Shallow water table and the second of	ormant se a natural land edg ng droug ut no inle	eason/drought slope. e. ht periods. et.		⊠ Perr □ Wet □ Stre	land contains	s ate present wi inlet but no ou n 'losing' strea	ıtlet.		
iii. Rating: Use the information from i an	d ii abov								a
			Saturation at <i>I</i> ATER THAT I						
Criteria		<u>₩//////////</u> P/P	□ S		T T	GROONDWA	□ No		
☐ Groundwater Discharge or Recharge	arge	1H							1
☐ Insufficient Data/Information	J-					I			1
14K. UNIQUENESS i. Rating: Working from top to bottom, us Replacement Potential	AA conspring forester associ	ntains fen, bo is or mature (a ed wetland Of iation listed a	og, warm >80 yr-old) ⋜ plant	AA doe cited ra diversi contair	es not contain are types ANI ty (#13) is hig as plant asso	O structural gh OR ciation	previou associa	es not contai usly cited rar ations AND s ty (#13) is lov	e types OR structural
Estimated Relative Abundance (#11)	the MT	Common	□ Abundant		s "S2" by the ⊠ Common			□ Common	r
Low Disturbance at AA (#12i)									
Moderate Disturbance at AA (#12i)					.5M				
☐ High Disturbance at AA (#12i)									
Comments: High structural diversity. 14L. RECREATION / EDUCATION POTI Affords 'bonus' points if AA provides i. Is the AA a known or potential recrea	a recrea	ational or educ		ınity.	-				
ii. Check categories that apply to the Aiii. Rating: Use the matrix below to select		Other:	-	⊠ Cons	umptive Recre	eational	Ion-consu	imptive recrea	ational
			or Education	al Area			Known	Potential	ī
Public ownership or public easemer					n required)				
Private ownership with general publ									
Private or public ownership without	general	public acces	s, or requiring	permis	sion for publi	ic access	.1M		1
Comments: Must obtain annual CSKT red									

5

Wetland/Site #(s): AA-3: W-5,6-24

Function & Value Variables	Rating – Actual Functional Points	Possible Functional Points	Functional Units: Actual Points x Estimated AA Acreage	Indicate the Four Most Prominent Functions with an Asterisk	
A. Listed / Proposed T&E Species Habitat	low 0.30	1.00			
B. MT Natural Heritage Program Species Habitat	low 0.10	1.00			
C. General Wildlife Habitat	high 0.90	1.00			
D. General Fish Habitat	mod 0.70	1.00			
E. Flood Attenuation	high 0.80	1.00			
F. Short and Long Term Surface Water Storage	high 1.00	1.00			
G. Sediment / Nutrient / Toxicant Removal	high 0.90	1.00			
H. Sediment / Shoreline Stabilization	high 1.00	1.00			
I. Production Export / Food Chain Support	high 1.00	1.00			
J. Groundwater Discharge / Recharge	high 1.00	1.00			
K. Uniqueness	mod 0.50	1.00			
L. Recreation / Education Potential (bonus point)	mod 0.10		_	_	
Total Points	8.3	11	Total Functional Un		
Percent of Possibl % (round to nearest whole number)	e Score 75				

Category I Wetland: (must satisfy one of the following criteria; otherwise go to Category II) ☐ Score of 1 functional point for Listed/Proposed Threatened or Endangered Species; or ☐ Score of 1 functional point for Uniqueness; or ☐ Score of 1 functional point for Flood Attenuation and answer to Question 14E.ii is "yes"; or ☐ Percent of possible score > 80% (round to nearest whole #).
Category II Wetland: (Criteria for Category I not satisfied and meets any one of the following criteria; otherwise go to Category IV Score of 1 functional point for MT Natural Heritage Program Species Habitat; or Score of .9 or 1 functional point for General Wildlife Habitat; or Score of .9 or 1 functional point for General Fish Habitat; or "High" to "Exceptional" ratings for both General Wildlife Habitat and General Fish/Aquatic Habitat; or Score of .9 functional point for Uniqueness; or Percent of possible score > 65% (round to nearest whole #).
☐ Category III Wetland: (Criteria for Categories I, II, or IV not satisfied)
Category IV Wetland: (Criteria for Categories I or II are not satisfied and all of the following criteria are met; if not go to Category □ "Low" rating for Uniqueness; and □ Vegetated wetland component < 1 acre (do not include upland vegetated buffer); and □ Percent of possible score < 35% (round to nearest whole #).
OVERALL ANALYSIS AREA (AA) RATING: Check the appropriate category based on the criteria outlined above.

MDT MONTANA WETLAND ASSESSMENT FORM (revised March 2008)

1. Project Name: <u>US 93 N - Pe</u>	ost Creek Hill 2. MDT Project	t #: NH 5-2(159)37 3. Contro	I #: <u>AA-4</u>										
3. Evaluation Date: <u>9/23/24</u>	4. Evaluator(s): B.Cline 5. W	Vetland/Site #(s): W-7-24											
Wetland Location(s): Township 19 N, Range 20 W, Section 14 & 23; Township N, Range E, Section													
Approximate Stationing or Roadposts: RP 37.9 to RP 38.6													
Watershed: 4 - Flathead	Watershed: 4 - Flathead County: _ Lake												
Evaluating Agency: MDT Purpose of Evaluation: Wetland potentially affected by MDT project Mitigation wetlands; pre-construction Mitigation wetlands; post-construction 8. Wetland Size (acre):(visually estimated) 2.03 (measured, e.g. GPS) 2.03 (measured, e.g. GPS) 9. Assessment Area (AA) Size (acre):(visually estimated)													
Mitigation wetlands; p													
☐ Mitigation wetlands; p☐ Other	post-construction		ermining AA) 2.03 (measu										
☐ Mitigation wetlands; p☐ Other	post-construction	(see manual for det	ermining AA) 2.03 (measu										
☐ Mitigation wetlands; p ☐ Other 10. CLASSIFICATION OF WE	oost-construction TLAND AND AQUATIC HABIT	(see manual for det TATS IN AA (See manual for de	ermining AA) <u>2.03</u> (measu	red, e.g. GPS)									
☐ Mitigation wetlands; p ☐ Other 10. CLASSIFICATION OF WE HGM Class (Brinson)	TLAND AND AQUATIC HABIT Class (Cowardin)	(see manual for det TATS IN AA (See manual for de	ermining AA) <u>2.03</u> (measu efinitions.) Water Regime	red, e.g. GPS)									
☐ Mitigation wetlands; p ☐ Other 10. CLASSIFICATION OF WE HGM Class (Brinson)	TLAND AND AQUATIC HABIT Class (Cowardin)	(see manual for det TATS IN AA (See manual for de	ermining AA) <u>2.03</u> (measu efinitions.) Water Regime	red, e.g. GPS)									
☐ Mitigation wetlands; p ☐ Other 10. CLASSIFICATION OF WE HGM Class (Brinson)	TLAND AND AQUATIC HABIT Class (Cowardin)	(see manual for det TATS IN AA (See manual for de	ermining AA) <u>2.03</u> (measu efinitions.) Water Regime	red, e.g. GPS)									
☐ Mitigation wetlands; p ☐ Other 10. CLASSIFICATION OF WE HGM Class (Brinson)	TLAND AND AQUATIC HABIT Class (Cowardin)	(see manual for det TATS IN AA (See manual for de	ermining AA) <u>2.03</u> (measu efinitions.) Water Regime	red, e.g. GPS)									

Comments: AA consists of emergent wetlands associated with roadside swale and irrigation channels.

11. ESTIMATED RELATIVE ABUNDANCE (of similarly classified sites within the same Major Montana Watershed Basin; see manual.) common

12. GENERAL CONDITION OF AA

 i. Disturbance: Use matrix below to select the appropriate response; see manual for Montana listed noxious weed and aquatic nuisance vegetation species lists.

	Predominar	t Conditions Adjacent to (within	500 feet of) AA
Conditions within AA	Managed in predominantly natural state; is not grazed, hayed, logged, or otherwise converted; does not contain roads or buildings; and noxious weed or ANVS cover is ≤15%.	Land not cultivated, but may be moderately grazed or hayed or selectively logged; or has been subject to minor clearing; contains few roads or buildings; noxious weed or ANVS cover is ≤30%.	Land cultivated or heavily grazed or logged; subject to substantial fill placement, grading, clearing, or hydrological alteration; high road or building density; or noxious weed or ANVS cover is >30%.
AA occurs and is managed in predominantly natural state; is not grazed, hayed, logged, or otherwise converted; does not contain roads or occupied buildings; and noxious weed or ANVS cover is ≤15%.			
AA not cultivated, but may be moderately grazed or hayed or selectively logged; or has been subject to relatively minor clearing, fill placement, or hydrological alteration; contains few roads or buildings; noxious weed or ANVS cover is ≤30%.			
AA cultivated or heavily grazed or logged; subject to relatively substantial fill placement, grading, clearing, or hydrological alteration; high road or building density; or noxious weed or ANVS cover is >30%.			high disturbance

Comments (types of disturbance, intensity, season, etc.): Conditions in the AA includes disturbance from highway, agricultural, and residential dwellings.

- ii. Prominent noxious, aquatic nuisance, and other exotic vegetation species: <u>Canada thistle (Cirsium arvense)</u>, spotted <u>knapweed (Centaurea maculosa)</u>, hounds tongue (Cynoglossum officinale), oxeye daisy (Chrysanthemum leucanthemum), and cheatgrass (Bromus tectorum).
- iii. Provide brief descriptive summary of AA and surrounding land use/habitat: AA includes roadside wetlands associated with irrigation water returns. AA frequently mowed and grazed. Surrounding land use includes highway, agriculture, commercial business, and residential dwellings.

13. STRUCTURAL DIVERSITY (Based on number of "Cowardin" vegetated classes present [do not include unvegetated classes]; see #10 above.)

Existing # of "Cowardin" Vegetated Classes in AA	Initial Rating	Is current management peristence of additional		Modified Rating
≥3 (or 2 if one is forested) classes		NA	NA	NA
2 (or 1 if forested) classes		NA	NA	NA
1 class, but not a monoculture	mod	←NO	YES→	
1 class, monoculture (1 species comprises ≥90% of total cover)		NA	NA	NA

Comments: AA dominated by emergent vegetation type.

Wetland/Site #(s): <u>AA-4: W-7-24</u>

14A. HABITAT FOR FEDER	ALLY	LISTE	ED OR	PRO	POSE	D THE	REATE	NED	OR E	NDAN	GERE	D PL	ANTS	OR A	NIMAI	LS				
AA is Documented (D) or Suspected (S) to contain: Check box based on definitions in manual. Primary or critical habitat (list species)																				
Rating: Based on the strongest habitat chosen in 14A(i) above, select the corresponding functional point and rating.													_							
Highest Habitat Level Doc/Primary Sus/Primary Doc/Secondary Sus/Secondary Doc/Incidental Sus/Incidental None)							
Functional Point/Rating 0L																				
Sources for documented use (e.g. observations, records): MNHP, MFWP, USFWS																				
14B. HABITAT FOR PLANTS OR ANIMALS RATED S1, S2, OR S3 BY THE MONTANA NATURAL HERITAGE PROGRAM Do not include species listed in 14A above.																				
i. AA is Documented (D) or Suspected (S) to contain: Check box based on definitions in manual. Primary or critical habitat (list species)																				
													al point	t and ra	ating.					9
Highest Habitat Level	Doc	/Prima	ry S	us/P	rimary	Do	c/Sec	onda	ry S	us/Sed	conda	ry	Doc/Ir	nciden	ital :	Sus/I	ncider	ntal	None	
S1 Species Functional Point/Rating				-							-									
S2 and S3 Species Functional Point/Rating		.9H		-						-				.2L						
Sources for documented us	se (e.	a. obse	rvation	s. red	cords):	MNHI	P. MFV	۷P. ۱	JSFWS	3										1
14C. GENERAL WILDLIFE i. Evidence of Overall Wildl	HABI	TAT R	ATING		,					_	ed on s	uppo	orting e	evidenc	ce.					
☐ Substantial: Based on an ☐ observations of abunda ☐ abundant wildlife sign s ☐ presence of extremely ☐ interview with local bio	ant wi such a limitir	Idlife #s as scat, ng habit	s or hig tracks tat feat	jh spe s, nes ures	ecies d t struct not ava	tures, ailable	game	trails,	etc.	•		few little spar	or no v to no v se adj	wildlife wildlife acent ı	obser sign upland	vatior food	source	ng pea		oeriods A
 Moderate: Based on any □ observations of scatter □ common occurrence of □ adequate adjacent upla □ interview with local biol 	ed wil wildli and fo	dlife gr fe sign od sou	oups o such a rces	r indi as sca	at, trac	ks, ne						c peri	ods							
ii. Wildlife Habitat Features For class cover to be conside percent composition of the A/ S/I = seasonal/intermittent; T/	red e	venly d #10).	istribut Abbre	ed, th viatio	ne mos	t and l surfac	least p e wate	reval r dur	ent ve ations	getate are as	d class follows	ses m s: P/F	nust be P = pei	withir rmane	n 20% nt/pere	of ea	ch othe	ersity er in te	is from rms of	#13. their
Structural Diversity					High						×	Mo	derate)					.ow	
(see #13) Class Cover Distribution (all vegetated classes)		E	ven			☐ Un	even			⊠ E	ven			☐ Un	even			E		
Duration of Surface Water in ≥ 10% of AA	P/F	S/I	T/E	Α	P/P	S/I	T/E	Α	P/P	S/I	T/E	Α	P/P	S/I	T/E	Α	P/P	S/I	T/E	Α
□ Low Disturbance at AA (see #12i)																				
□ Moderate Disturbance at AA (see #12i)																				
☑ High Disturbance at AA (see #12i)										М										
iii. Rating: Use the conclusions from i and ii above and the matrix below to select the functional point and rating.																				
Evidence of Wildlife Use		_			W			at Fe	eature	Ratir	• ,			_						
(i)		∐ Ex	ceptio	nal	-	\boxtimes	High				derate)	1	☐ Lo	w					
Substantial									_											
					-						<u></u> 2L									
Comments:													1			_				

						١	Vetla	nd/Sit	e #(s):	AA-4:	W-7-2	<u>4</u>						
14D. GENERAL FISH HABIT If the AA is not used by entrapped in a canal], the	fish, fish ι	use is no	it restora		to h		const	raints,	, or is n	ot des	ired fro	om a r	nanage	ement	perspe	ective	[such	as fish
Assess this function if the precluded by perched co				e existin	g sit	uation	is "co	rrecta	ıble" su	ch tha	t the A	A cou	ld be ι	used by	y fish [i.e., fis	sh use	is
Type of Fishery: 🗌 Co	old Water	(CW)	☐ Warr	m Water	(W\	/) U	se the	CW o	or WW	guideli	ines in	the m	anual t	o comp	olete th	ie mati	rix.	
i. Habitat Quality and Knowi	ı / Suspe	cted Fis	h Spec	ies in A	A : ۱	Jse ma	atrix to	sele	ct the fu	unction	nal poi	nt and	rating					-
Duration of Surface	☐ Pern	nanent /	Perenn	ial		□ se	easor	nal / Ir	ntermit	tent		□т	empo	rary / I	Ephen	neral		
Water in AA Aquatic Hiding / Resting /]						_ ·	ΙĹ				
Escape Cover	Optima	al Ade	equate	Poo	r	Opti	mal	Ade	quate	Po	or	Opt	imal	Adec	quate	Po	or	
Thermal Cover: optimal / suboptimal	0 :	s o	S	0	S	0	S	0	S	0	S	0	S	0	S	0	S	
FWP Tier I fish species	-																	
FWP Tier II or Native																		
Game fish species FWP Tier III or Introduced Game fish																		
FWP Non-Game Tier IV or No fish species																		
Sources used for identifying	fish spp	. potent	ially fou	ınd in A	A : N	ЛFISH,	MHN	IP,&∣	MFWP.									1
ii. Modified Rating: NOTE: N	Andified s	core car	nnot exc	eed 1 0	or h	e less i	than (1										
a) Is fish use of the AA signific MDEQ list of waterbodies in ne support, or do aquatic nuisance b) Does the AA contain a docunative fish or introduced game iii. Final Score and Rating:	eed of TM ee plant or mented s fish?	IDL deve r animal s spawning YES, ac ents:	elopmen species g area or dd to sc	t with list (see Ap r other co ore in i c	ed ' pen ritica r iia	'Probai dix E) al habit	ble Im occu at fea	npaire r in fis ture (i	d Uses h habita i.e., sar	" includat? □	ding co	old or reduc	warm v e scor	<i>water fi</i> re in i b	ishery by 0.1	or aqu = (<i>uatic lif</i> or □ I	^f e N0
14E. FLOOD ATTENUATION Applies only to wetlands If wetlands in AA are no	that are	subject t	ö floodir	d to 14F) ng via in- or overb	cha	nnel oi flow, c	over heck	bank the N	flow. A box a	ınd pro	oceed	to 14F	:.					
Entrenchment Ratio (ER) Est Flood-prone width = estimated																		e stream.
<u>15</u> / <u>5</u> =	3.0						ė.	Se.							b	90		
flood prone width / bankfull wid	lth = entre	enchmer	nt ratio		2 x	Bankf	ull De	pth		Y A	EXE			NAME OF THE PARTY	W.	lood-p	rone W idth	⁷ idth
									В	anktuii	Depth	0,000	und!					
Slightly Entr ER ≥ 2 C stream type D stream t	. 2 ype E	stream	type		₹ =	y Entr 1.41 – eam ty	2.2	ed	A stre	eam tyl	pe	ER =	renche 1.0 – ream ty	1.4	G st	ream t	type	
i. Rating: Working from top to	bottom	use the r	matrix he	elow to s	eler	t the fi	unctio	nal no	oint and	l ratino	1.							
Estimated or Calculated (Rosgen 1994, 1996)			⊠ SI	lightly Er), E strea	tren	ched] Mod	erately stream	Entrer				Entrend S stream		ıs.		
Percent of Flooded Wetland Forested and/or Scrub/Sh		ied as	75%	25-75		ypes ⊠ <25%		□ 5%	25-75		□ <25%	75] [25-75	1	25%		
AA contains no outlet or re		outlet																
AA contains unrestrict	ed outlet	:				.5M							-					

ii. Are ≥10 acres of wetland in the AA subject to flooding AND are man-made features which may be significantly damaged by floods located	l
within 0.5 mile downstream of the AA? TYES NO Comments:	

Wetland/Site #(s): AA-4: W-7-24

14F.	14F. SHORT AND LONG TERM SURFACE WATER STORAGE \(\square\) NA (procedure)	ed to 14G)
	Applies to wetlands that flood or pond from overbank or in-channel flow, precipit	ation, upland surface flow, or groundwater flow.
	If no wetlands in the AA are subject to flooding or ponding, then check the NA b	ox and proceed to 14G.

i. Rating: Working from top to bottom, use the matrix below to select the functional point and rating. Abbreviations for surface water durations are as follows: P/P = permanent/perennial; S/I = seasonal/intermittent; and T/E = temporary/ephemeral [see manual for further definitions of these terms].

Estimated Maximum Acre Feet of Water Contained in Wetlands within the AA that are Subject to Periodic Flooding or Ponding		>5 acre f	eet	□ 1.1	to 5 ac	re feet	⊠≤	≤1 acre t	foot
Duration of Surface Water at Wetlands within the AA	□ P/P	□ S/I	□ T/E	□ P/P	□ S/I	□ T/E	□ P/P	⊠ S/I	□ T/E
Wetlands in AA flood or pond ≥ 5 out of 10 years									
Wetlands in AA flood or pond < 5 out of 10 years								.2L	

Comments: Wetlands consist of long linear roadside features with limited holding capacity.

14G.	SEDIMENT	/ NUTRIENT	/ TOXICANT	/ RETENTION	AND REMOVA	L 🗌 NA	(proceed to 1	14H
------	-----------------	------------	------------	-------------	------------	--------	---------------	-----

Applies to wetland with potential to receive sediments, nutrients, or toxicants through influx of surface or ground water or direct input. If no wetlands in the AA are subject to such input, check the NA box and proceed to 14H.

i. Rating: Working from top to bottom, use the matrix below to select the functional point and rating.

Sediment, Nutrient, and Toxicant Input Levels within AA	AA receive has potent nutrients, such that a substantia sedimenta toxicants, present.	tial to deliv or compou other funct illy impaire tion, sourc	er sedime inds at lev ions are n d. Minor es of nutr	ents, els ot ients or	Waterbody is need of TMDI causes" relat toxicants or A has potential nutrients, or of functions are sedimentation or signs of europe of the control of the c	developmer ed to sedime AA receives of to deliver hig compounds s substantially n, sources of	nt for "probat nt, nutrients, or surroundin gh levels of s such that oth y impaired. M nutrients or	ole or g land use ediments, er ajor
% Cover of Wetland Vegetation in AA	⊠≥°	70%	□ <	70%	□≥7	70%	□ <	70%
Evidence of Flooding / Ponding in AA	☐ Yes	☐ Yes ☐ No ☐ Yes ☐ No				☐ No	☐ Yes	☐ No
AA contains no or restricted outlet								
AA contains unrestricted outlet		.7M						

Comments: Vegetation cover in the wetlands greater than 70% and site has evidence of annual flooding.

Applies only if AA occurs on or within the banks of a river, stream, or other natural or man-made drainage, or on the shoreline of a standing water body which is subject to wave action.

If 14H does not apply, check the NA box and proceed to 14I.

% Cover of Wetland Streambank or Shoreline by Species with Stability	Duration of S	urface Water Adjacent to Roo	ted Vegetation
Ratings of ≥6 (see Appendix F).	☐ Permanent / Perennial	Seasonal / Intermittent	☐ Temporary / Ephemeral
⊠ ≥ 65%		.9H	
□ 35-64%			
☐ < 35%			

Comments: Wetland species with deep binding roots.

14I. PRODUCTION EXPORT / FOOD CHAIN SUPPORT

i. Level of Biological Activity: Synthesis of wildlife and fish habitat rates (select).

General Fish Habitat Rating	Genera	I Wildlife Habitat Rati	ng (14Ciii)
(14Diii)	☐ E/H	oxtimes M	L
☐ E/H			
■ M			
L			
⊠ NA		M	

ii. Rating: Working from top to bottom, use the matrix below to select the functional point and rating. Factor A = acreage of vegetated wetland component in the AA; Factor B = level of biological activity rating from above (14li); Factor C = whether or not the AA contains a surface or subsurface outlet; the final three rows pertain to the duration of surface water in the AA, where P/P, S/I, and T/E were previously defined, and A = "absent" [see manual for further definitions of these terms].

Α	A ☐ Vegetated Component >5 acres					☑ Vegetated Component 1-5 acres				☐ Vegetated Component <1 acre								
B High Moderate			Low	☐ High 🛛				☐ High		☐ Moderate		☐ Low						
С	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
P/P																		
S/I									.6M									
T/E/A																		

15. GENERAL SITE NOTES: _____

Wetland/Site #(s): AA-4: W-7-24

				,	, -				
14I. PRODUCTION EXPORT / FOOD (CHAIN S	UPPORT (con	ntinued)						
iii. Modified Rating: Note: Modified so	ore cann	not exceed 1.0	or be less that	า 0.1.					
Vegetated Upland Buffer: Area wi mowing or clearing (unless for weed Is there an average ≥ 50-foot wide v	control)	•				_	-		
iv. Final Score and Rating: <u>.6M</u> Con	nments:								
14J. GROUNDWATER DISCHARGE / Check the appropriate indicators									
i. Discharge Indicators The AA is a slope wetland. Springs or seeps are know Vegetation growing during Wetland occurs at the toe of Seeps are present at the w AA permanently flooded du Wetland contains an outlet, Shallow water table and the	dormant of a natur etland ed Iring drou but no in	season/droug al slope. dge. ught periods. nlet.	ht.	⊠ Pe □ We □ St	etland contain	ors trate present v is inlet but no o wn 'losing' stre	outlet.	, , ,	0 ,
iii. Rating: Use the information from i	and ii abo						50 D/00		7
Criteria			Saturation at <i>I</i> <u>/ATER THAT I</u> ⊠ S	S RECHA				STEM	
☐ Groundwater Discharge or Rech	arge	<i>F/F</i>	7M		<u>'</u>		NO	ile	
☐ Insufficient Data/Information	u. gc		.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,						1
Comments: Artesian well known at sou		the wetland /	unnamed tribu	tary to Po	ost Creek 3. W	/etlands receiv	e irrigatio	on runoff but t	he tributary is
known to flow intermittently to perennial	<u>у.</u>								
14K. UNIQUENESS									
i. Rating: Working from top to bottom,	use the r	matrix below to	select the fun	ctional pe	oint and rating	l.			
Replacement Potential	AA con spring foreste	ntains fen, bo s or mature (ed wetland Of ation listed a	og, warm >80 yr-old) ⋜ plant	AA doe cited ra diversi contair	es not contain are types ANI ty (#13) is hig as plant asso as "S2" by the	n previously O structural gh OR ciation	previou associ	es not contai usly cited rar ations AND s ty (#13) is lo	e types OR tructural
Estimated Relative Abundance (#11)	□ Rare	☐ Common	☐ Abundant	□ Rare	☐ Common	☐ Abundant	□ Rare		□ Abundant
Low Disturbance at AA (#12i)									
Moderate Disturbance at AA (#12i)★ High Disturbance at AA (#12i)								 .2L	
Comments: Low-moderate structural di								.ZL	
14L. RECREATION / EDUCATION PO Affords 'bonus' points if AA provide	TENTIAI		☑ NA (proceed ucational oppor		ll Summary a	nd Rating page	е)		
i. Is the AA a known or potential recr	eational	or education	al site? 🗌 YE	S , go to	ii. 🔲 NO , cl	neck the NA bo	OX.		
i. Check categories that apply to the		Educational/S Other:	Scientific Study	☐ Cor	nsumptive Red	creational	Non-con	sumptive recr	eational
iii. Rating: Use the matrix below to sele	ect the fu								=
							Known	Potential	ı ∥
Public ownership or public easement with general public access (no permission required)								1 Otentia	'-
	Potential nt with g		access (no p	ermissio	n required)				
Private ownership with general pub	Potential nt with g lic acces	eneral public s (no permis	access (no posion required)	ermissio		ic access	 		
	Potential nt with g lic acces	eneral public s (no permis	access (no posion required)	ermissio		ic access			

Wetland/Site #(s): <u>AA-4: W-7-24</u>

Function & Value Variables	Rating – Actual Functional Points	Possible Functional Points	Functional Units: Actual Points x Estimated AA Acreage	Indicate the Four Most Prominent Functions with an Asterisk				
A. Listed / Proposed T&E Species Habitat	low 0.00	1.00						
B. MT Natural Heritage Program Species Habitat	low 0.20	1.00						
C. General Wildlife Habitat	low 0.20	1.00						
D. General Fish Habitat	NA	NA						
E. Flood Attenuation	mod 0.50	1.00						
F. Short and Long Term Surface Water Storage	low 0.20	1.00						
G. Sediment / Nutrient / Toxicant Removal	mod 0.70	1.00						
H. Sediment / Shoreline Stabilization	high 0.90	1.00						
I. Production Export / Food Chain Support	mod 0.60	1.00						
J. Groundwater Discharge / Recharge	mod 0.70	1.00						
K. Uniqueness	low 0.20	1.00						
L. Recreation / Education Potential (bonus point)	NA							
Total Points	4.2	10	Total	Functional Units				
Percent of Possible Score 42% (round to nearest whole number)								

Category I Wetland: (must satisfy one of the following criteria; otherwise go to Category II) ☐ Score of 1 functional point for Listed/Proposed Threatened or Endangered Species; or ☐ Score of 1 functional point for Uniqueness; or ☐ Score of 1 functional point for Flood Attenuation and answer to Question 14E.ii is "yes"; or ☐ Percent of possible score > 80% (round to nearest whole #).
Category II Wetland: (Criteria for Category I not satisfied and meets any one of the following criteria; otherwise go to Category IV) Score of 1 functional point for MT Natural Heritage Program Species Habitat; or Score of .9 or 1 functional point for General Wildlife Habitat; or Score of .9 or 1 functional point for General Fish Habitat; or "High" to "Exceptional" ratings for both General Wildlife Habitat and General Fish/Aquatic Habitat; or Score of .9 functional point for Uniqueness; or Percent of possible score > 65% (round to nearest whole #).
□ Category III Wetland: (Criteria for Categories I, II, or IV not satisfied)
Category IV Wetland: (Criteria for Categories I or II are not satisfied and all of the following criteria are met; if not go to Category III) "Low" rating for Uniqueness; and Vegetated wetland component < 1 acre (do not include upland vegetated buffer); and Percent of possible score < 35% (round to nearest whole #).
OVERALL ANALYSIS AREA (AA) RATING: Check the appropriate category based on the criteria outlined above.

MDT MONTANA WETLAND ASSESSMENT FORM (revised March 2008)

1. Project Name: <u>US 93 N - Po</u>	ost Creek Hill 2. MDT Project	t #: <u>NH 5-2(159)37</u> 3. Contro	I #: <u>AA-5</u>				
3. Evaluation Date: 9/23/24	4. Evaluator(s): B.Cline 5. W	Vetland/Site #(s): W-8,9-24					
6. Wetland Location(s): Town	nship <u>19 N</u> , Range <u>20 W</u> , Section	on <u>13 & 24;</u> Township <u>N</u> , Ra	ange <u>E</u> , Section				
Approximate Stationing or	Roadposts: RP 37.9 to RP 38	<u>3.6</u>					
Watershed: 4 - Flathead	County: _ <u>Lake</u>						
Evaluating Agency: MDT Purpose of Evaluation: ☐ Wetland potentially affected by MDT project ☐ Mitigation wetlands; pre-construction ☐ Mitigation wetlands; post-construction ☐ Other (visually estimated) 8. Wetland Size (acre): (visually estimated)							
10. CLASSIFICATION OF WE	TLAND AND AQUATIC HABIT	TATS IN AA (See manual for d	efinitions.)				
HGM Class (Brinson)	Class (Cowardin)	Modifier (Cowardin)	Water Regime	% OF AA			
Riverine	Emergent Wetland		Seasonal / Intermittent	20			
D:	□ 4l \A/ - 4ll		0 1 / 1 - 4 !44 4	0			

HGM Class (Brinson)	Class (Cowardin)	Modifier (Cowardin)	Water Regime	% OF AA
Riverine	Emergent Wetland		Seasonal / Intermittent	20
Riverine	Forested Wetland		Seasonal / Intermittent	8
Slope	Emergent Wetland		Seasonal / Intermittent	68
Slope	Forested Wetland		Seasonal / Intermittent	2
Depressional	Emergent Wetland		Temporary / Ephemeral	2

Comments: AA consists of emergent and forested wetlands associated with roadside swale and irrigation channels.

11. ESTIMATED RELATIVE ABUNDANCE (of similarly classified sites within the same Major Montana Watershed Basin; see manual.) common

12. GENERAL CONDITION OF AA

 i. Disturbance: Use matrix below to select the appropriate response; see manual for Montana listed noxious weed and aquatic nuisance vegetation species lists.

	Predominant Conditions Adjacent to (within 500 feet of) AA					
Conditions within AA	Managed in predominantly natural state; is not grazed, hayed, logged, or otherwise converted; does not contain roads or buildings; and noxious weed or ANVS cover is ≤15%.	Land not cultivated, but may be moderately grazed or hayed or selectively logged; or has been subject to minor clearing; contains few roads or buildings; noxious weed or ANVS cover is ≤30%.	Land cultivated or heavily grazed or logged; subject to substantial fill placement, grading, clearing, or hydrological alteration; high road or building density; or noxious weed or ANVS cover is >30%.			
AA occurs and is managed in predominantly natural state; is not grazed, hayed, logged, or otherwise converted; does not contain roads or occupied buildings; and noxious weed or ANVS cover is ≤15%.						
AA not cultivated, but may be moderately grazed or hayed or selectively logged; or has been subject to relatively minor clearing, fill placement, or hydrological alteration; contains few roads or buildings; noxious weed or ANVS cover is ≤30%.		moderate disturbance				
AA cultivated or heavily grazed or logged; subject to relatively substantial fill placement, grading, clearing, or hydrological alteration; high road or building density; or noxious weed or ANVS cover is >30%.						

Comments (types of disturbance, intensity, season, etc.): Conditions in the AA includes disturbance from highway, agricultural, and residential dwellings.

- ii. Prominent noxious, aquatic nuisance, and other exotic vegetation species: <u>Canada thistle (Cirsium arvense)</u>, spotted knapweed (Centaurea maculosa), hounds tongue (Cynoglossum officinale).
- iii. Provide brief descriptive summary of AA and surrounding land use/habitat: AA includes roadside wetlands associated with irrigation water returns. AA moderately grazed or mowed. Surrounding land use includes highway, agriculture, commercial business, and residential dwellings.

13. STRUCTURAL DIVERSITY (Based on number of "Cowardin" vegetated classes present [do not include unvegetated classes]; see #10 above.)

Existing # of "Cowardin" Vegetated Classes in AA		Is current management peristence of additional	Modified Rating	
≥3 (or 2 if one is forested) classes		NA	NA	NA
2 (or 1 if forested) classes	mod	NA	NA	NA
1 class, but not a monoculture		←NO	YES→	
1 class, monoculture (1 species comprises ≥90% of total cover)		NA	NA	NA

Comments: AA dominated by emergent vegetation type with small forested wetland areas.

Wetland/Site #(s): AA-5: W-8,9-24

4A. HABITAT FOR FEDERALLY LISTED OR PROPOSED THREATENED OR ENDANGERED PLANTS OR ANIMALS																				
i. AA is Documented (D) or Primary or critical habitat (I Secondary habitat (list spe Incidental habitat (list spec No usable habitat	ist spe ecies) cies)	cies)] S _] S _] S _] S															
ii. Rating: Based on the stro																				_
Highest Habitat Level	Doc/F	Primai	y S	us/P	rimary	Do	c/Sec	onda	ry S	us/Se	conda	ry	Doc/Ir	nciden	tal	Sus/	Incide	ntal	None	•
Functional Point/Rating					-			•		-									0L	
Sources for documented us 14B. HABITAT FOR PLANT Do not include species	S OR A	ANIM<i>A</i> n 14A	ALS RA above	ATEC	S1, S	62, OR	83 B	Y TH	E MOI	NTANA			. HER	ITAGE	PROG	GRAI	М			
Primary or critical habitat (I Secondary habitat (list spe	_																			
	i. Rating: Based on the strongest habitat chosen in 14A(i) above, select the corresponding functional point and rating.																			
Highest Habitat Level	Doc/F	Primai	y S	us/P	rimary	Do	c/Sec	onda	ry S	us/Se	conda	ry	Doc/Ir	nciden	tal	Sus/I	ncider	ntal	None	
S1 Species Functional Point/Rating S2 and S3 Species					-			•		-									.0L	
Functional Point/Rating				-						-									.0L	
	Sources for documented use (e.g. observations, records): MNHP, MFWP, USFWS																			
i. Evidence of Overall Wildl Substantial: Based on an observations of abunda	IAC. GENERAL WILDLIFE HABITAT RATING Evidence of Overall Wildlife Use in the AA: Check substantial, moderate, or low based on supporting evidence. Substantial: Based on any of the following [check]. □ observations of abundant wildlife #s or high species diversity (during any period) Minimal: Based on any of the following [check]. □ deworm no wildlife observations during peak use periods																			
□ abundant wildlife sign s □ presence of extremely □ interview with local biol □ <i>Moderate:</i> Based on any □ observations of scatter □ common occurrence of □ adequate adjacent upla	limiting logist w of the fo ed wild wildlife and foo	habita vith kno ollowir life gro e sign d sour	at feato owledo ng [che oups o such a ces	ures i ge of eck]. r indi	not ava the AA viduals at, tracl	ailable or rel	in the	surro	ounding specie	s durir	□ □ ng peal	spar inter	se adja view w	wildlife acent ι vith loc	upland	food ogist	source with kr	es iowled	ige of A	AA
☐ interview with local biol ii. Wildlife Habitat Features For class cover to be conside percent composition of the AA S/I = seasonal/intermittent; T/	: Work red eve A (see #	ing fro enly di #10).	m top stribute Abbrev	to bo ed, th viatio	ttom, on the mos	heck t and l surfac	least p e wate	reval r dur	ent ve ations	getate are as	d class follow	ses m s: P/F	nust be = per	withir mane	120% (nt/pere	of ea ennial	ch othe			
Structural Diversity (see #13)					High						\triangleright] Mo	derate	•				□ L	.ow	
Class Cover Distribution (all vegetated classes)		□ E	ven			☐ Un	even			⊠E	ven			☐ Un	even			□ E	ven	
Duration of Surface Water in ≥ 10% of AA	P/P	S/I	T/E	Α	P/P	S/I	T/E	Α	P/P	S/I	T/E	Α	P/P	S/I	T/E	Α	P/P	S/I	T/E	Α
□ Low Disturbance at AA (see #12i)																				
Moderate Disturbance at AA (see #12i)										Н										
☐ High Disturbance at AA (see #12i)																				
iii. Rating: Use the conclusi	ons fro	m i an	d ii ab	ove a	and the	matri	x belov	v to s	select t	he fun	ctional	poin	t and r	ating.						
Evidence of Wildlife Use										s Ratir				3.						
(i)		_ Exc	eptio	nal		\boxtimes	High			<u> </u>	derate)		☐ Lo	<u>w</u>					
Substantial																4				
☐ Moderate							4N/									-				
Comments:	<u> </u>																			

Wetland/Site #(s): AA-5: W-8,9-24

						١	/vetia	na/Sit	e #(s): <u>/</u>	4A-5:	vv-8,9-	<u>-24</u>						
14D. GENERAL FISH HABIT If the AA is not used by entrapped in a canal], the	fish, fis	sh use is		able du	e to h		const	raints	or is n	ot desi	ired fro	om a r	manage	ement	perspe	ective	[such	as fisł
Assess this function if the precluded by perched contact the contact and the precluded by perched contact the precluded by perched contact the precluded by the				e existi	ing sit	tuation	is "co	rrecta	ıble" su	ch tha	t the A	A cou	ld be u	ised by	/ fish [i.e., fis	sh use	is
Type of Fishery: 🗌 C	old Wa	ater (CW)	☐ War	m Wate	er (W	W) U	se the	CW o	r WW	guideli	nes in	the m	anual t	o comp	olete th	ie mati	rix.	
. Habitat Quality and Know	n / Sus	spected F	ish Spec	ies in A	AA:	Use ma	atrix to	sele	ct the fu	unction	nal poi	nt and	rating					_
Duration of Surface Water in AA	□ P	ermanen	t / Perenr	nial		□ se	easor	nal / Iı	ntermit	tent		□т	empo	rary / I	Ephen	neral		
Aquatic Hiding / Resting / Escape Cover	Opt	imal A	dequate	Po		Opti] mal	Ade	quate	Po		Opt	imal	Aded	uate	Po	oor	
Thermal Cover: optimal / suboptimal	0	s	o s	0	s	0	s	0	S	0	s	0	S	0	s	0	s	
FWP Tier I fish species																		1
FWP Tier II or Native																		
Game fish species		-																
FWP Tier III or Introduced Game fish		-																
FWP Non-Game Tier IV or No fish species																		
ources used for identifying fish spp. potentially found in AA:																		
i. Modified Rating: NOTE: I	Modifie	ed score c	annot exc	eed 1.0	0 or b	e less	than (0.1.										
n) Does the AA contain a documentive fish or introduced game ii. Final Score and Rating: 14E. FLOOD ATTENUATION Applies only to wetlands If wetlands in AA are no Entrenchment Ratio (ER) Es Flood-prone width = estimated	Com timation 3.0	YES, nments: _	A (proceed to fooding	ore in i d to 14l ng via i or over additio	F) n-cha bank nal gu X ma	annel or flow, c	o r over heck e). Er n bank	bank the Nontrence	flow. A box a hment i	ind pro	oceed (flood inters	to 14F -prone ects t	: e width he floo) / (bar	nkfull v	vidth). ch side	e of the	e stre
Slightly Entr	enche	ed		Mode	erate	ly Entr	ench	ed				%g06%	renche	ed				
ER ≥ 2 C stream type D stream t		E strea	m tvne	ı		1.41 – eam ty			∆ ctro	am tyr	ne l		: 1.0 – ream ty		G et	ream t	tyne	
C stream type D stream	<u> </u>				2 311		7		Asire			- 50			5 51		.ype	
. Rating: Working from top to	bottor	m, use the	e matrix b	elow to	seled	ct the fi	unctio	nal po	oint and	rating	l.							
Estimated or Calculated			⊠ SI	ightly E	Entrer	nched] Mod	erately	Entrer				Entrend				
(Rosgen 1994, 1996) Percent of Flooded Wetlan Forested and/or Scrub/Sh		sified as), E stre]	ypes ☑ <25%		в [] 5%	stream 25-75		□ <25%	75		strear 25-75°		s 25%		
AA contains no outlet or re		d outlet	75%	25-7	J /0 -	<25%	, /	5% 	25-75	/0 <		75			/0 <		1	
AA contains unrestrict					_	.5M											1	
AA OORAINS UIII ESLIICI	<u></u>					.JIVI		-									1	

			Wetl	and/Site #	t(s): <u>AA-5</u>	: W-8,9-	· <u>24</u>				
14F. SHORT AND LONG TERM SURFACE Applies to wetlands that flood or pond If no wetlands in the AA are subject to	from overbank	or in-char	nnel flow, p		on, upláno			groundwa	ater flow	' .	
 Rating: Working from top to bottom, use follows: P/P = permanent/perennial; S/I = 											
Estimated Maximum Acre Feet of W in Wetlands within the AA that are Periodic Flooding or Ponding	ater Contained	1] >5 acre			to 5 ac			≤1 acre		•
Duration of Surface Water at Wetlands	within the AA	□ P/P	□ S/I	□ T/E	□ P/P	⊠ S/I	□ T/E	□ P/P	□ S/I	□ T/E	
Wetlands in AA flood or pond ≥ 5 out of	10 years					.6M					
Wetlands in AA flood or pond < 5 out of	10 years										
Comments: Wetlands consist of irrigation of	<u>drainage transit</u>	ioning fron	n sheet flo	w to more	channeli	zed drai	nage coni	nected to	the Pos	t Creek flo	oodplain.
Applies to wetland with potential to receive sediments, nutrients, or toxicants through influx of surface or ground water or direct input. If no wetlands in the AA are subject to such input, check the NA box and proceed to 14H. Rating: Working from top to bottom, use the matrix below to select the functional point and rating. AA receives or surrounding land use has potential to deliver sediments. Waterbody is on MDEQ list of waterbodies in need of TMDL development for "probable"											
Sediment, Nutrient, and Toxicant Input Levels within AA	has potentia nutrients, or such that otl substantially sedimentatio toxicants, or present.	compour ner function impaired on, source	nds at leve ons are no I. Minor es of nutri	els ot ents or	causes toxicar has po nutrien functio sedime	" relate its or A tential t ts, or c ns are s entation	d to sedii A receive o deliver ompound substanti	ment, nu s or suri high leve s such t ally impa of nutri	trients, roundin els of se hat othe aired. M ents or	or g land us ediments, er	,
% Cover of Wetland Vegetation in AA	⊠ ≥ 70	%	□ <	70%		□ ≥ 70	0%		□ <	70%	
Evidence of Flooding / Ponding in AA	⊠ Yes	☐ No	☐ Yes	□No	□ Y	es	☐ No		Yes	☐ No	
AA contains no or restricted outlet											
AA contains unrestricted outlet	.9H										
Comments: Vegetation cover in the wetland 14H. SEDIMENT / SHORELINE STABILIZ Applies only if AA occurs on or within body which is subject to wave action If 14H does not apply, check the NA	ATION the banks of a	☐ NA river, stre	(proceed t	o 14I)				on the sl	noreline	of a stand	ling water
% Cover of Wetland Streambank or Shoreline by Species with Stability	ı	Ouration o	of Surface	Water A	djacent t	o Roote	d Vegeta	tion			

% Cover of Wetland Streambank or Shoreline by Species with Stability	Duration of Surface Water Adjacent to Rooted Vegetation								
Ratings of ≥6 (see Appendix F).	☐ Permanent / Perennial	⊠ Seasonal / Intermittent	☐ Temporary / Ephemeral						
⊠ ≥ 65%		.9H							
□ 35-64%									
☐ < 35%									

Comments: .Wetland species with deep binding roots.

14I. PRODUCTION EXPORT / FOOD CHAIN SUPPORT

i. Level of Biological Activity: Synthesis of wildlife and fish habitat rates (select).

General Fish Habitat Rating	General Wildlife Habitat Rating (14Ciii)						
(14Diii)	☐ E/H	oxtimes M	_ L				
☐ E/H							
■ M							
L							
NA		M					

ii. Rating: Working from top to bottom, use the matrix below to select the functional point and rating. Factor A = acreage of vegetated wetland component in the AA; Factor B = level of biological activity rating from above (14li); Factor C = whether or not the AA contains a surface or subsurface outlet; the final three rows pertain to the duration of surface water in the AA, where P/P, S/I, and T/E were previously defined, and A = "absent" [see manual for further definitions of these terms].

Α	☑ Vegetated Component >5 acres							☐ Vegetated Component 1-5 acres						☐ Vegetated Component <1 acre					
В	_ 	ligh	\boxtimes M	oderate		Low	_	ligh		derate		Low	<u>-</u>	ligh	☐ Mo	derate		.ow	
С	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	
P/P																			
S/I			.7M					-				-							
T/E/A																			

Wetland/Site #(s): AA-5: W-8,9-24

			vvellai	iu/Site #(3). AA-3. W-0	, 3-24			
14I. PRODUCTION EXPORT / FOOD (CHAIN	SUPPORT (con	tinued)						
iii. Modified Rating: Note: Modified so	ore ca	nnot exceed 1.0	or be less that	n 0.1.					
Vegetated Upland Buffer: Area wi mowing or clearing (unless for weed Is there an average ≥ 50-foot wide v	contro	ol).					-		
iv. Final Score and Rating: <u>.7M</u> Con	nment	s:							
14J. GROUNDWATER DISCHARGE / Check the appropriate indicators i									
i. Discharge Indicators The AA is a slope wetland. Springs or seeps are know. Vegetation growing during. Wetland occurs at the toe of Seeps are present at the word AA permanently flooded during Wetland contains an outlet, Shallow water table and the Other:	dorman of a nat etland ring dr but no	nt season/drough tural slope. edge. rought periods. o inlet.	nt.	□ P∈ □ W □ St	etland contain	rs trate present v s inlet but no o vn 'losing' stre	outlet.	, , ,	0 ,
iii. Rating: Use the information from i a	nd ii a								=
			Saturation at A						
Criteria		<i>₩11 </i>	AIEK INAI I ⊠ S		T T	GROUNDWA			
☐ Groundwater Discharge or Rech	arge		.7M						
☐ Insufficient Data/Information				•					
14K. UNIQUENESS i. Rating: Working from top to bottom, Replacement Potential	AA o sprir fores	e matrix below to contains fen, bo ngs or mature (x sted wetland OF ociation listed as	g, warm >80 yr-old) ⋜ plant	AA doe cited ra diversi contair	es not contain are types ANI ty (#13) is hig as plant asso	n previously O structural Jh OR ciation	previo	es not contai usly cited rar ations AND s	e types OR tructural
		MTNHP			s "S2" by the			ty (#13) is lo	
Estimated Relative Abundance (#11)		re Common	□ Abundant		□ Common				
☐ Low Disturbance at AA (#12i)☑ Moderate Disturbance at AA (#12i)								.3L	
High Disturbance at AA (#12i)								.JL	
Comments: Low to moderate structural				<u> </u>					
14L. RECREATION / EDUCATION PO Affords 'bonus' points if AA provide i. Is the AA a known or potential recr ii. Check categories that apply to the	TENTI es a re- eation AA: [AL ⊠ creational or edu al or educationa	al site? ☐ YE	tunity. ES , go to	ii. 🔲 NO , ch	neck the NA b	ox.	sumptive recr	eational
iii. Rating: Use the matrix below to sele						11-			-
		ial Recreational					Known	Potentia	<u> </u>
Public ownership or public easemer					n required)				-
Private ownership with general public ownership without					sion for nubli	C SCCBSS			\dashv
Comments:	MOLICI								
		ш разлеческо	o, o. 10qu	y permis	sion for publi	0 000000			<u>-</u>

Wetland/Site #(s): AA-5: W-8,9-24

Function & Value Variables	Rating – Actual Functional Points	Possible Functional Points	Functional Units: Actual Points x Estimated AA Acreage	Indicate the Four Most Prominent Functions with an Asterisk							
A. Listed / Proposed T&E Species Habitat	low 0.00	1.00	_								
B. MT Natural Heritage Program Species Habitat	low 0.00	1.00	_								
C. General Wildlife Habitat	mod 0.40	1.00									
D. General Fish Habitat	NA	NA									
E. Flood Attenuation	mod 0.50	1.00									
F. Short and Long Term Surface Water Storage	mod 0.60	1.00									
G. Sediment / Nutrient / Toxicant Removal	high 0.90	1.00									
H. Sediment / Shoreline Stabilization	high 0.90	1.00									
I. Production Export / Food Chain Support	mod 0.70	1.00									
J. Groundwater Discharge / Recharge	mod 0.70	1.00									
K. Uniqueness	low 0.30	1.00									
L. Recreation / Education Potential (bonus point)	NA										
Total Points	5.0	10	Total	Functional Units							
Percent of Possible	Percent of Possible Score 50% (round to nearest whole number)										

Category I Wetland: (must satisfy one of the following criteria; otherwise go to Category II) ☐ Score of 1 functional point for Listed/Proposed Threatened or Endangered Species; or ☐ Score of 1 functional point for Uniqueness; or ☐ Score of 1 functional point for Flood Attenuation and answer to Question 14E.ii is "yes"; or ☐ Percent of possible score > 80% (round to nearest whole #).
Category II Wetland: (Criteria for Category I not satisfied and meets any one of the following criteria; otherwise go to Category IV) Score of 1 functional point for MT Natural Heritage Program Species Habitat; or Score of .9 or 1 functional point for General Wildlife Habitat; or Score of .9 or 1 functional point for General Fish Habitat; or "High" to "Exceptional" ratings for both General Wildlife Habitat and General Fish/Aquatic Habitat; or Score of .9 functional point for Uniqueness; or Percent of possible score > 65% (round to nearest whole #).
□ Category III Wetland: (Criteria for Categories I, II, or IV not satisfied)
Category IV Wetland: (Criteria for Categories I or II are not satisfied and all of the following criteria are met; if not go to Category III) "Low" rating for Uniqueness; and Vegetated wetland component < 1 acre (do not include upland vegetated buffer); and Percent of possible score < 35% (round to nearest whole #).
OVERALL ANALYSIS AREA (AA) RATING: Check the appropriate category based on the criteria outlined above.

MDT MONTANA WETLAND ASSESSMENT FORM (revised March 2008)

1.	Project Name: US 93 N - P	ost Creek Hill 2. MDT Projec	ot #: NH 5-2(159)37 3. Contro	I #: <u>AA-6</u>	
3.	Evaluation Date: 9/23/24	4. Evaluator(s): B.Cline 5.	Wetland/Site #(s): W-10,11-24		
6.	Wetland Location(s): Tow	nship <u>19 N</u> , Range <u>20 W</u> , Sect	ion <u>11, 12, 13 & 14;</u> Township	N, Range E, Section	_
	Approximate Stationing of	r Roadposts: RP 38.65 to RP	<u>39.45</u>		
	Watershed: 4 - Flathead	County: <u>Lake</u>			
7.	Evaluating Agency: MDT Purpose of Evaluation: ☑ Wetland potentially at ☐ Mitigation wetlands; p ☐ Other	ore-construction	Assessment Area	(Visually estimated) 10.78 (measured, e.g. GPS) (AA) Size (acre): (visually estimated) 10.78 (measured)	ally estimated)
10	. CLASSIFICATION OF WE	TLAND AND AQUATIC HAB	ITATS IN AA (See manual for d	efinitions.)	
	HGM Class (Brinson)	Class (Cowardin)	Modifier (Cowardin)	Water Regime	% OF AA
	Riverine	Emergent Wetland		Seasonal / Intermittent	99
	Riverine Depressional	Emergent Wetland Emergent Wetland	Impounded	Seasonal / Intermittent Seasonal / Intermittent	99 1
		ĕ	Impounded	·	99
		ĕ	Impounded	·	99
		ĕ	Impounded	·	99 1

Comments: AA consists of emergent wetlands associated with roadside swale, and meadow wetlands.

11. ESTIMATED RELATIVE ABUNDANCE (of similarly classified sites within the same Major Montana Watershed Basin; see manual.) common

12. GENERAL CONDITION OF AA

 i. Disturbance: Use matrix below to select the appropriate response; see manual for Montana listed noxious weed and aquatic nuisance vegetation species lists.

	Predominar	Predominant Conditions Adjacent to (within 500 feet of) AA							
Conditions within AA	Managed in predominantly natural state; is not grazed, hayed, logged, or otherwise converted; does not contain roads or buildings; and noxious weed or ANVS cover is ≤15%.	Land not cultivated, but may be moderately grazed or hayed or selectively logged; or has been subject to minor clearing; contains few roads or buildings; noxious weed or ANVS cover is ≤30%.	Land cultivated or heavily grazed or logged; subject to substantial fill placement, grading, clearing, or hydrological alteration; high road or building density; or noxious weed or ANVS cover is >30%.						
AA occurs and is managed in predominantly natural state; is not grazed, hayed, logged, or otherwise converted; does not contain roads or occupied buildings; and noxious weed or ANVS cover is ≤15%.									
AA not cultivated, but may be moderately grazed or hayed or selectively logged; or has been subject to relatively minor clearing, fill placement, or hydrological alteration; contains few roads or buildings; noxious weed or ANVS cover is ≤30%.		moderate disturbance							
AA cultivated or heavily grazed or logged; subject to relatively substantial fill placement, grading, clearing, or hydrological alteration; high road or building density; or noxious weed or ANVS cover is >30%.									

Comments (types of disturbance, intensity, season, etc.): Conditions in the AA includes disturbance from highway, agricultural, and residential dwellings.

- ii. Prominent noxious, aquatic nuisance, and other exotic vegetation species: <u>Canada thistle (Cirsium arvense)</u>, spotted <u>knapweed (Centaurea maculosa)</u>, hounds tongue (Cynoglossum officinale), oxeye daisy (Chrysanthemum leucanthemum), cheatgrass (Bromus tectorum).
- iii. Provide brief descriptive summary of AA and surrounding land use/habitat: AA includes roadside and meadow wetlands associated with irrigation water. Surrounding land use includes highway, agriculture, commercial business, and residential dwellings.

13. STRUCTURAL DIVERSITY (Based on number of "Cowardin" vegetated classes present [do not include unvegetated classes]; see #10 above.)

Existing # of "Cowardin" Vegetated Classes in AA	Initial Rating	Is current management peristence of additional		Modified Rating
≥3 (or 2 if one is forested) classes		NA	NA	NA
2 (or 1 if forested) classes		NA	NA	NA
1 class, but not a monoculture	mod	←NO	YES→	
1 class, monoculture (1 species comprises ≥90% of total cover)		NA	NA	NA

Comments: AA dominated by emergent vegetation type.

14A. HABITAT FOR FEDERALLY LISTED OR PROPOSED THREATENED OR ENDANGERED PLANTS OR ANIMALS																				
i. AA is Documented (D) or Suspected (S) to contain: Check box based on definitions in manual. Primary or critical habitat (list species)																				
	_				- '								point	and ra	ating.					_
Highest Habitat Level	Doc/I	Prima	ry S	us/P	rimary	Do	c/Sec	onda	ry S	us/Sed	conda	ry	Doc/Ir	ncider	ntal	Sus/	Incide	ntal	None	
Functional Point/Rating										-									0L	
Sources for documented us	se (e.g.	obse	rvation	s, re	cords):	<u>MNHI</u>	P, MFV	VP, l	JSFW9	<u> </u>										
14B. HABITAT FOR PLANT Do not include species					S1, S	32, OR	S3 B	Y TH	E MON	ITANA	NATU	JRAL	. HER	ITAGE	PRO	GRAI	И			
Primary or critical habitat (I Secondary habitat (Iist spe	-																			
	Rating: Based on the strongest habitat chosen in 14A(i) above, select the corresponding functional point and rating. Highest Habitat Level Doc/Primary Sus/Primary Doc/Secondary Sus/Secondary Doc/Incidental Sus/Incidental None														=					
Highest Habitat Level																				
S1 Species Functional Point/Rating	S1 Species 0L																			
Functional Point/Rating	S2 and S3 Species																			
	se (e.a.	obse	rvation	s. red	cords):	MNHI	P. MFV	VP. l	JSFWS	3										ı
14C. GENERAL WILDLIFE	Sources for documented use (e.g. observations, records): MNHP, MFWP, USFWS 4C. GENERAL WILDLIFE HABITAT RATING Evidence of Overall Wildlife Use in the AA: Check substantial, moderate, or low based on supporting evidence.																			
☐ Substantial: Based on an ☐ observations of abunda ☐ abundant wildlife sign s ☐ presence of extremely ☐ interview with local biol	ant wild such as limiting	dlife #s s scat, n habit	or hig tracks at feat	h spe , nes ures	ecies d t struc not ava	tures, ailable	game	trails,	etc.			few little spar	or no v to no v se adj	wildlife wildlife acent	obser sign upland	vatior food	source	ng pea		oeriods A
 Moderate: Based on any observations of scatter common occurrence of adequate adjacent uplate interview with local biol 	ed wild wildlife and foo	llife gro e sign od sou	oups o such a rces	r indi Is sca	at, trac	ks, ne						c peri	ods							
ii. Wildlife Habitat Features For class cover to be conside percent composition of the AA S/I = seasonal/intermittent; T/	red eve A (see :	enly di #10).	stribut Abbre	ed, tł viatio	ne mos ns for	t and l surfac	least p e wate	reval r dur	ent ve ations	getate are as	d class follows	ses m s: P/F	nust be = pei	withir mane	n 20% nt/pere	of ea	ch othe			
Structural Diversity					High						\triangleright	Mo	derate)					.ow	
(see #13) Class Cover Distribution (all vegetated classes)		E	ven			☐ Un	even			□ E	ven			⊠ Un	even			E		
Duration of Surface Water in ≥ 10% of AA	P/P	S/I	T/E	Α	P/P	S/I	T/E	Α	P/P	S/I	T/E	Α	P/P	S/I	T/E	Α	P/P	S/I	T/E	Α
□ Low Disturbance at AA (see #12i)																				
														М						
☐ High Disturbance at AA (see #12i)						-														
III Detinas Herrina I :	e		ا الله				المانيان		المناء	L _ E	-4:		ا درستا	_41	· <u> </u>			· <u> </u>		
iii. Rating: Use the conclusi	ons fro	ımı ar	ıa II ab	ove a						he fun Ratir		poin	ı and r	aung.		1				
Evidence of Wildlife Use (i)		∏ Fy	ceptio	nal	•		High	ai Ft	ature		ig (ii) derate	9		□ Lo	w					
☐ Substantial																				
☐ Moderate																				
Minimal .										.2	2L									
Comments:																				

								Wetla	nd/Sit	e #(s):	AA-6:	W-10,	11-24						
14D. GENERAL FISH HABIT If the AA is not used by entrapped in a canal], the	fish, fis	sh use		restora	able du	ue to h		const	traints	, or is n	ot des	ired fr	om a ı	manag	ement	persp	ective	[such	as fish
Assess this function if the precluded by perched contact the contact and the precluded by perched contact the precluded by perched contact the precluded by the					e exist	ing sit	tuation	is "co	orrecta	able" su	ich tha	t the A	A cou	ıld be ι	used by	y fish [i.e., fis	sh use	is
Type of Fishery: 🔲 C	old Wa	ater (C	W) [] Warr	n Wat	er (W	W) (se the	e CW o	or WW	guideli	ines in	the m	anual t	to comp	plete th	ie mat	rix.	
i. Habitat Quality and Know	ı / Sus	specte	d Fish	Spec	ies in	AA:	Use m	atrix t	o sele	ct the f	unction	nal poi	nt and	l rating	l.				_
uration of Surface /ater in AA																			
Aquatic Hiding / Resting / Escape Cover	Optimal Adequate Poor Optimal Adequate Poor Optimal Adequate Poor																		
Thermal Cover: optimal / suboptimal	0	s	0	s	0	s	0	s	О	S	0	s	0	S	0	s	0	s	
FWP Tier I fish species																			
FWP Tier II or Native Game fish species																			
FWP Tier III or Introduced Game fish																			
FWP Non-Game Tier IV or No fish species																			
a) Is fish use of the AA significe MDEQ list of waterbodies in no support, or do aquatic nuisand b) Does the AA contain a docu- native fish or introduced game iii. Final Score and Rating: 14E. FLOOD ATTENUATION Applies only to wetlands If wetlands in AA are no Entrenchment Ratio (ER) Es Flood-prone width = estimated 5 / 2.5 = flood prone width / bankfull wid	eed of the plan amente fish? Com that at flood timatic horizo	TMDL at or an ad span YI nment are sub ed fror on (see	development develo	opmen pecies area or d to so roceed floodin annel ual for on of w	t with I (see A other ore in d to 14 or ove additional data ad	listed Apper critica i or lia F) in-cha rbank onal go 2 X ma	"Proba ndix E; al habi a 0.1 = annel o flow, o uidanc	or over	mpaire Ir in fis ature (i) Ir I I Irbank the N ntrence kfull de	d Uses the habit i.e., san N0 flow. A box a chment epth els	" include at? ☐ at? ☐ anctuary and pro	ding colling c	to 14F	warm to score score	water fre in i k re in i k rea; sp	ishery by 0.1 ecify in nkfull v on ea	or aque = on common	uatic li or ments, me of th	fe N0) for e stream.
Slightly Entr ER ≥ 2 C stream type D stream	. 2 ype	E st	ream ty	· —		ER =	ly Ent 1.41 – eam ty	2.2	ned	A stre	eam ty	pe	ER =	renche : 1.0 – ream ty	1.4	G st	ream t	type	
i. Rating: Working from top to	botto	m, use	the ma	atrix be	elow to	sele	ct the f	unctio	onal po	oint and	d rating	J							

. Rating: Working from top to bottom, use the matrix below to select the functional point and rating.											
Estimated or Calculated Entrenchment	⊠ Sli	ightly Entrei	nched	☐ Mod	lerately Enti	renched		☐ Entrenched			
(Rosgen 1994, 1996)	C, D	, E stream t	ypes	В	stream typ	е	A, F, G stream types				
Percent of Flooded Wetland Classified as Forested and/or Scrub/Shrub	□ 75%		⊠ <25%	□ 75%		□ <25%	75%		□ <25%		
AA contains no outlet or restricted outlet											
AA contains unrestricted outlet			.5M								

ii. Are ≥10 acres of wetland in the AA subject to flooding AND are man-made features which may be significantly damaged by floods located within 0.5 mile downstream of the AA? ☐ YES ☐ NO Comments: _____

14F.	SHORT AND LONG TERM SURFACE WATER STORAGE	☐ NA (proceed to 14G)
	Applies to wetlands that flood or pond from overbank or in-chann	el flow, precipitation, upland surface flow, or groundwater flow.
	If no wetlands in the AA are subject to flooding or ponding, then	check the NA box and proceed to 14G.

i. Rating: Working from top to bottom, use the matrix below to select the functional point and rating. Abbreviations for surface water durations are as follows: P/P = permanent/perennial; S/I = seasonal/intermittent; and T/E = temporary/ephemeral [see manual for further definitions of these terms].

Estimated Maximum Acre Feet of Water Contained in Wetlands within the AA that are Subject to Periodic Flooding or Ponding		>5 acre fe	eet	□ 1.1	to 5 ac	re feet	⊠ ≤1 acre foot			
Duration of Surface Water at Wetlands within the AA	□ P/P	□ S/I	□ T/E	□ P/P	□ S/I	□ T/E	□ P/P	⊠ S/I	□ T/E	
Wetlands in AA flood or pond ≥ 5 out of 10 years								.3L		
Wetlands in AA flood or pond < 5 out of 10 years										

Comments: Wetlands are flooded annually via irrigation water and have limited holding capacity.

14G.	SEDIMENT	/ NUTRIENT	/ TOXICANT	/ RETENTION	AND REMOVAL	□NA	(proceed to 14)	Н
------	-----------------	------------	------------	-------------	-------------	-----	-----------------	---

Applies to wetland with potential to receive sediments, nutrients, or toxicants through influx of surface or ground water or direct input. If no wetlands in the AA are subject to such input, check the NA box and proceed to 14H.

i. Rating: Working from top to bottom, use the matrix below to select the functional point and rating.

Sediment, Nutrient, and Toxicant Input Levels within AA	AA receive has potent nutrients, such that substantia sedimenta toxicants, present.	tial to deliv or compou other funct illy impaire tion, sourc	er sedime inds at lev ions are n d. Minor es of nutr	ents, rels not rients or	need of TMDI causes" relat toxicants or A has potential nutrients, or of functions are sedimentation	development de to sediment AA receives of to deliver his compounds substantially n, sources of					
% Cover of Wetland Vegetation in AA	⊠≥	70%	□<	70%	□≥7	70%	□<	70%			
Evidence of Flooding / Ponding in AA	⊠ Yes	☐ No	☐ Yes	☐ No	☐ Yes	☐ No	☐ Yes	☐ No			
AA contains no or restricted outlet											
AA contains unrestricted outlet	.9H										

Comments: Vegetation cover in the wetlands greater than 70% and site has evidence of annual flooding.

14H. SEDIMENT / SHORELINE STABILIZATION NA (proceed to 14I)

Applies only if AA occurs on or within the banks of a river, stream, or other natural or man-made drainage, or on the shoreline of a standing water body which is subject to wave action.

If 14H does not apply, check the NA box and proceed to 14I.

% Cover of Wetland Streambank or Shoreline by Species with Stability	Duration of S	Duration of Surface Water Adjacent to Rooted Vegetation									
Ratings of ≥6 (see Appendix F).	☐ Permanent / Perennial	☐ Seasonal / Intermittent	☐ Temporary / Ephemeral								
□ ≥ 65%											
□ 35-64%											
☐ < 35%											

Comments:

14I. PRODUCTION EXPORT / FOOD CHAIN SUPPORT

i. Level of Biological Activity: Synthesis of wildlife and fish habitat rates (select).

General Fish Habitat Rating	Genera	I Wildlife Habitat Rati	ng (14Ciii)
(14Diii)	☐ E/H	■ M	ĎL
☐ E/H			
□ M			
L			
⊠ NA			L

ii. Rating: Working from top to bottom, use the matrix below to select the functional point and rating. Factor A = acreage of vegetated wetland component in the AA; Factor B = level of biological activity rating from above (14li); Factor C = whether or not the AA contains a surface or subsurface outlet; the final three rows pertain to the duration of surface water in the AA, where P/P, S/I, and T/E were previously defined, and A = "absent" [see manual for further definitions of these terms].

Α	\boxtimes	Vegeta	ated Co	mponent	t >5 ac	res	☐ Vegetated Component 1-5 acres						☐ Vegetated Component <1 acre							
В	_ 	ligh	Ш	oderate	\boxtimes	Low	_	ligh		oderate		Low	<u>-</u>	ligh	☐ Mo	derate		.ow		
С	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No		
P/P																				
S/I					.5M															
T/E/A																				

			vvellai	id/Oite #(3). <u>AA-0. VV-1</u>	0, 1 1-2 4			
14I. PRODUCTION EXPORT / FOOD (HAIN	SUPPORT (con	tinued)						
iii. Modified Rating: Note: Modified so	ore ca	nnot exceed 1.0	or be less that	n 0.1.					
Vegetated Upland Buffer: Area wi mowing or clearing (unless for weed Is there an average ≥ 50-foot wide v	contro	ol).				_	-		_
iv. Final Score and Rating: <u>.5M</u> Con	nment	s:							
14J. GROUNDWATER DISCHARGE / Check the appropriate indicators i									
i. Discharge Indicators The AA is a slope wetland. Springs or seeps are known Vegetation growing during the Wetland occurs at the toe of Seeps are present at the word AA permanently flooded during Wetland contains an outlet, Shallow water table and the Other:	dorma f a nat etland ring dr but no	nt season/drougl tural slope. edge. ought periods. o inlet.	ht.	☐ Pe	etland contain	ors trate present v s inlet but no o wn 'losing' stre	outlet.	, , ,	0 ,
iii. Rating: Use the information from i a	ınd ii a								a
			Saturation at A						
Criteria		<i>WITH W</i> □ P/P	<u>'ATER THAT I</u> ⊠ S		ARGING THE ☐ T	GROUNDWA	<u>TER SYS</u> ☐ No		
☐ Groundwater Discharge or Rech	arge				<u></u> .			110	1
☐ Insufficient Data/Information	gu					l			
14K. UNIQUENESS i. Rating: Working from top to bottom,	AA c	ontains fen, bo	g, warm	AA do	es not contain	n previously	AA doe	es not contai	n
Replacement Potential	fores	ngs or mature (: sted wetland Of ociation listed a MTNHP	R plant ′	diversi contair	are types ANI ty (#13) is hig ns plant asso as "S2" by the	gh OR ciation	previou associa	usly cited rar ations AND s ty (#13) is lo	e types OR tructural
Estimated Relative Abundance (#11)	□ Ra	re Common	□ Abundant	□ Rare	☐ Common	□ Abundant	□ Rare	□ Common	□ Abundant
Low Disturbance at AA (#12i)									
Moderate Disturbance at AA (#12i)								.3L	
☐ High Disturbance at AA (#12i) Comments: Low to moderate structural	divoro								
14L. RECREATION / EDUCATION PO Affords 'bonus' points if AA provide i. Is the AA a known or potential recre ii. Check categories that apply to the	TENTI es a re eation AA: [AL Ecreational or education Education Other:	al site?	tunity. ES , go to	ii. NO , cl	neck the NA bo	ox.	sumptive recr	eational
iii. Rating: Use the matrix below to sele						u-			-
		ial Recreational					Known	Potentia	<u> </u>
Public ownership or public easemer Private ownership with general publ					n required)				-
Private ownership with general public ownership without					sion for nubli	ic access			
Comments:	901101	ai public doces	o, or roquiring	, porma	cicii ioi publi	0 000000		1	
15. GENERAL SITE NOTES:									

Function & Value Variables	Rating – Actual Functional Points	Possible Functional Points	Functional Units: Actual Points x Estimated AA Acreage	Indicate the Four Most Prominent Functions with an Asterisk						
A. Listed / Proposed T&E Species Habitat	low 0.00	1.00								
B. MT Natural Heritage Program Species Habitat	low 0.00	1.00								
C. General Wildlife Habitat	low 0.20	1.00								
D. General Fish Habitat	NA	NA								
E. Flood Attenuation	mod 0.50	1.00								
F. Short and Long Term Surface Water Storage	low 0.30	1.00								
G. Sediment / Nutrient / Toxicant Removal	high 0.90	1.00								
H. Sediment / Shoreline Stabilization	NA	NA								
I. Production Export / Food Chain Support	mod 0.50	1.00								
J. Groundwater Discharge / Recharge	mod 0.70	1.00								
K. Uniqueness	low 0.30	1.00								
L. Recreation / Education Potential (bonus point)	NA									
Total Points	3.4	9	Total	Functional Units						
Percent of Possible Score 38% (round to nearest whole number)										

Category I Wetland: (must satisfy one of the following criteria; otherwise go to Category II) ☐ Score of 1 functional point for Listed/Proposed Threatened or Endangered Species; or ☐ Score of 1 functional point for Uniqueness; or ☐ Score of 1 functional point for Flood Attenuation and answer to Question 14E.ii is "yes"; or ☐ Percent of possible score > 80% (round to nearest whole #).										
Category II Wetland: (Criteria for Category I not satisfied and meets any one of the following criteria; otherwise go to Category IV) Score of 1 functional point for MT Natural Heritage Program Species Habitat; or Score of .9 or 1 functional point for General Wildlife Habitat; or Score of .9 or 1 functional point for General Fish Habitat; or High" to "Exceptional" ratings for both General Wildlife Habitat and General Fish/Aquatic Habitat; or Score of .9 functional point for Uniqueness; or Percent of possible score > 65% (round to nearest whole #).										
☐ Category III Wetland: (Criteria for Categories I, II, or IV not satisfied)										
Category IV Wetland: (Criteria for Categories I, II, of IV not satisfied) Category IV Wetland: (Criteria for Categories I or II are not satisfied and all of the following criteria are met; if not go to Category III) "Low" rating for Uniqueness; and Vegetated wetland component < 1 acre (do not include upland vegetated buffer); and Percent of possible score < 35% (round to nearest whole #).										
OVEDALL ANALYSIS ADEA (AA) DATING. Object the committee of the city of a district of the city of the c										
OVERALL ANALYSIS AREA (AA) RATING: Check the appropriate category based on the criteria outlined above.										

MDT MONTANA WETLAND ASSESSMENT FORM (revised March 2008)

1. Project Name: US 93 N - Post Creek Hill 2. MDT Project #: NH 5-2(159)37 3. Control #: AA-7											
3. Evaluation Date: <u>9/23/24</u>	4. Evaluator(s): B.Cline 5. W	Vetland/Site #(s): W-12,13-24									
6. Wetland Location(s): Tow	nship <u>19 N</u> , Range <u>20 W</u> , Sectio	on <u>11 & 12</u> ; Township <u>N</u> , Ra	ange <u>E</u> , Section								
Approximate Stationing of	r Roadposts: RP 39.1 to RP 39	<u>9.6</u>									
Watershed: 4 - Flathead County: _ Lake											
Evaluating Agency: MDT Purpose of Evaluation: ☐ Wetland potentially affected by MDT project ☐ Mitigation wetlands; pre-construction ☐ Mitigation wetlands; post-construction ☐ Mitigation wetlands; post-construction ☐ See Metland Size (acre): (visually estimated) 8. Wetland Size (acre): (visually estimated)											
Mitigation wetlands; p											
☐ Mitigation wetlands; p☐ Other		(see manual for de	termining AA) 3.39 (measu								
☐ Mitigation wetlands; p☐ Other	oost-construction	(see manual for de	termining AA) 3.39 (measu								
☐ Mitigation wetlands; p☐ Other 10. CLASSIFICATION OF WE	oost-construction TLAND AND AQUATIC HABIT	(see manual for de FATS IN AA (See manual for de	termining AA) <u>3.39</u> (measu efinitions.)	red, e.g. GPS)							
☐ Mitigation wetlands; p ☐ Other 10. CLASSIFICATION OF WE HGM Class (Brinson)	oost-construction TLAND AND AQUATIC HABIT Class (Cowardin)	(see manual for de FATS IN AA (See manual for de	termining AA) <u>3.39</u> (measu efinitions.) Water Regime	red, e.g. GPS)							
☐ Mitigation wetlands; p ☐ Other 10. CLASSIFICATION OF WE HGM Class (Brinson) Riverine	ETLAND AND AQUATIC HABIT Class (Cowardin) Emergent Wetland	(see manual for de FATS IN AA (See manual for de	termining AA) 3.39 (measu efinitions.) Water Regime Seasonal / Intermittent	med, e.g. GPS) % OF AA 30							
☐ Mitigation wetlands; p ☐ Other 10. CLASSIFICATION OF WE HGM Class (Brinson) Riverine	ETLAND AND AQUATIC HABIT Class (Cowardin) Emergent Wetland	(see manual for de FATS IN AA (See manual for de	termining AA) 3.39 (measu efinitions.) Water Regime Seasonal / Intermittent	med, e.g. GPS) % OF AA 30							
☐ Mitigation wetlands; p ☐ Other 10. CLASSIFICATION OF WE HGM Class (Brinson) Riverine	ETLAND AND AQUATIC HABIT Class (Cowardin) Emergent Wetland	(see manual for de FATS IN AA (See manual for de	termining AA) 3.39 (measu efinitions.) Water Regime Seasonal / Intermittent	med, e.g. GPS) % OF AA 30							

Comments: AA consists of emergent wetlands associated with roadside swale, and meadow wetlands.

11. ESTIMATED RELATIVE ABUNDANCE (of similarly classified sites within the same Major Montana Watershed Basin; see manual.) common

12. GENERAL CONDITION OF AA

 i. Disturbance: Use matrix below to select the appropriate response; see manual for Montana listed noxious weed and aquatic nuisance vegetation species lists.

	Predominant Conditions Adjacent to (within 500 feet of) AA									
Conditions within AA	Managed in predominantly natural state; is not grazed, hayed, logged, or otherwise converted; does not contain roads or buildings; and noxious weed or ANVS cover is ≤15%.	Land not cultivated, but may be moderately grazed or hayed or selectively logged; or has been subject to minor clearing; contains few roads or buildings; noxious weed or ANVS cover is ≤30%.	Land cultivated or heavily grazed or logged; subject to substantial fill placement, grading, clearing, or hydrological alteration; high road or building density; or noxious weed or ANVS cover is >30%.							
AA occurs and is managed in predominantly natural state; is not grazed, hayed, logged, or otherwise converted; does not contain roads or occupied buildings; and noxious weed or ANVS cover is ≤15%.										
AA not cultivated, but may be moderately grazed or hayed or selectively logged; or has been subject to relatively minor clearing, fill placement, or hydrological alteration; contains few roads or buildings; noxious weed or ANVS cover is ≤30%.		moderate disturbance								
AA cultivated or heavily grazed or logged; subject to relatively substantial fill placement, grading, clearing, or hydrological alteration; high road or building density; or noxious weed or ANVS cover is >30%.										

Comments (types of disturbance, intensity, season, etc.): Conditions in the AA includes disturbance from highway, agricultural, and residential dwellings.

- ii. Prominent noxious, aquatic nuisance, and other exotic vegetation species: <u>Canada thistle (Cirsium arvense)</u>, spotted knapweed (<u>Centaurea maculosa</u>), hounds tongue (<u>Cynoglossum officinale</u>), oxeye daisy (<u>Chrysanthemum leucanthemum</u>), cheatgrass (<u>Bromus tectorum</u>).
- iii. Provide brief descriptive summary of AA and surrounding land use/habitat: AA includes roadside and meadow wetlands associated with irrigation water. Surrounding land use includes highway, agriculture, commercial business, and residential dwellings.

13. STRUCTURAL DIVERSITY (Based on number of "Cowardin" vegetated classes present [do not include unvegetated classes]; see #10 above.)

Existing # of "Cowardin" Vegetated Classes in AA	Initial Rating	Is current management peristence of additional		Modified Rating
≥3 (or 2 if one is forested) classes		NA	NA	NA
2 (or 1 if forested) classes		NA	NA	NA
1 class, but not a monoculture	mod	←NO	YES→	
1 class, monoculture (1 species comprises ≥90% of total cover)		NA	NA	NA

Comments: AA dominated by emergent vegetation type.

Comments:

Wetland/Site #(s): <u>AA-7: W-12,13-24</u>

14A. HABITAT FOR FEDER	ALLY	LISTE	D OR	PRO	POSE	D THE	REATE	NED	OR I	ENDAN	GERE) PL	ANTS.	OR A	NIMAL	LS				
i. AA is Documented (D) or Suspected (S) to contain: Check box based on definitions in manual. Primary or critical habitat (list species)																				
ii. Rating: Based on the stro										spondir	ng funct									_
Highest Habitat Level	Doc/F	rimar	y S	us/P	rimary	Do	c/Sec	onda	ry S	Sus/Se	conda	у	Doc/Ir	nciden	ıtal	Sus/	Incide	ntal	None	•
Functional Point/Rating																			0L	
Sources for documented us	se (e.g.	obser	vation	s, rec	cords):	MNH	P, MFV	VP, L	JSFW	<u>/S</u>										
14B. HABITAT FOR PLANTS OR ANIMALS RATED S1, S2, OR S3 BY THE MONTANA NATURAL HERITAGE PROGRAM Do not include species listed in 14A above.																				
i. AA is Documented (D) or Suspected (S) to contain: Check box based on definitions in manual. Primary or critical habitat (list species)																				
ii. Rating: Based on the stro													al point	t and ra						=
Highest Habitat Level	Doc/F	rimar	y S	us/P	rimary	Do	c/Sec	onda	ry S	Sus/Se	conda	у	Doc/Ir	nciden	tal	Sus/l	ncider	ntal	None	
S1 Species Functional Point/Rating										-									.0L	
S2 and S3 Species Functional Point/Rating										-									.0L	
Sources for documented use (e.g. observations, records): MNHP, MFWP, USFWS																				
14C. GENERAL WILDLIFE	HABIT	AT RA	TING																	
i. Evidence of Overall Wildl	ife Use	in the	AA:	Che	ck sub	stantia	al, mod	lerate	e, or lo	ow base	ed on s	uppo	orting e	evidend	ce.					
☐ Substantial: Based on an ☐ observations of abunda ☐ abundant wildlife sign s ☐ presence of extremely ☐ interview with local bio	ant wild such as limiting	llife #s s scat, t i habita	or hig tracks at feat	h spe , nes ures i	ecies d t struct not ava	tures, ailable	game	trails,	etc.			few little spar	or no v to no v se adj	wildlife wildlife acent ι	obser sign upland	vatioi l food	source	ng pea		periods \A
 Moderate: Based on any □ observations of scatter □ common occurrence of □ adequate adjacent upla □ interview with local biol 	ed wild wildlife and foo	life gro e sign s d sourd	ups o such a ces	r indi as sca	at, trac	ks, ne						peri	iods							
ii. Wildlife Habitat Features For class cover to be conside percent composition of the AA	red eve	enly dis	stribut	ed, th	ne mos	t and	least p	reval	ent ve	egetate	d class	es m	nust be	within	1 20%	of ea	ch othe	ersity er in te	is from erms of	#13. their
S/I = seasonal/intermittent; T/	<u>'E`= ter</u>	nporar	y/ephe	emera	al; and	A = a	bsent	see r	manu	al for fu	rther de	efiniti	ions of	these	terms].				
Structural Diversity (see #13)					High						\boxtimes	Мо	derate)				□ L	-ow	
Class Cover Distribution (all vegetated classes)		□ Ev	ven			□ Un	even			□ E	ven			⊠ Un	even				ven	
Duration of Surface Water in ≥ 10% of AA	P/P	S/I	T/E	Α	P/P	S/I	T/E	Α	P/P	S/I	T/E	Α	P/P	S/I	T/E	Α	P/P	S/I	T/E	Α
□ Low Disturbance at AA (see #12i)																				
Moderate Disturbance at AA (see #12i)														М						
☐ High Disturbance at AA (see #12i)																				
iii. Rating: Use the conclusi	ons fro	m i and	d ii ab	ove a	and the	matri	x belov	v to s	select	the fun	ctional	poin	t and r	ating.						
Evidence of Wildlife Use										s Ratii						1				
(i)		Exc	eptio	nal			High				derate	·		☐ Lo	w					
☐ Substantial																				
☐ Moderate																1				
⊠ Minimal					1						21		1							

2

AA contains unrestricted outlet

						١	Vetlaı	nd/Sit	e #(s):	AA-7:V	V-12,1	3-24						
14D. GENERAL FISH HABIT If the AA is not used by entrapped in a canal], the	fish, fis	sh use is		able du	ue to h		const	raints	, or is n	ot desi	ired fro	om a r	manage	ement	perspe	ective	[such a	ıs fish
Assess this function if the precluded by perched controls.				ne exist	ting sit	tuation	is "co	rrecta	able" su	ch tha	t the A	A cou	ld be ι	ised by	/ fish [i	i.e., fis	sh use i	s
Type of Fishery: C	old Wa	ter (CW) 🔲 War	m Wat	er (W	W) U:	se the	CW	or WW	guideli	nes in	the m	anual t	o comp	lete th	e mati	rix.	
. Habitat Quality and Know	n / Sus	pected	Fish Spec	cies in	AA:	Use ma	atrix to	sele	ct the f	unction	nal poi	nt and	rating					
Duration of Surface	□Р€	ermanei	nt / Pereni	nial		∥ ⊔ se	easor	nal / lı	ntermit	tent		□ т	empo	rary / E	Ephem	neral		
Water in AA Aquatic Hiding / Resting /] [<u> </u>	,]			
Escape Cover	Opti	imal A	Adequate	Po	or	Opti	mal	Ade	quate	Po	or	Opt	imal	Adec	uate	Po	or	
Thermal Cover: optimal / suboptimal	0	S	o s	0	S	0	s	0	S	0	S	0	S	0	S	0	S	
FWP Tier I fish species				Ī														
FWP Tier II or Native																		
Game fish species										-			-		-			
FWP Tier III or Introduced Game fish																		
FWP Non-Game Tier IV or No fish species																		
Sources used for identifying	fish s	pp. pot	entially fo	und in	AA: N	MFISH,	MHN	IP,&	MFWP.		<u>I</u>							
i. Modified Rating: NOTE: N			-		_					•'								
a) Is fish use of the AA signific									icture c	r activ	ity or	is the	water	hody in	cluded	d on th	oe curr	ant final
MDEQ list of waterbodies in ne support, or do aquatic nuisand	eed of	TMDL d	evelopmer	nt with	listed	"Probal	ble Im	paire	d Uses	" includ	ding co	old or	warm v	vater fi	shery	or aqu	uatic life	Э
b) Does the AA contain a docu															-			
native fish or introduced game											μου.,	о.р с	9 🐷	- u, -p	,		,	
ii. Final Score and Rating: _	Com	ments:																
14E. FLOOD ATTENUATION Applies only to wetlands If wetlands in AA are no	that a	re subje	IA (procee ct to floodi in-channel	ng via	in-cha	nnel or flow, c	over heck	bank the N	flow. A box a	ınd pro	ceed	to 14F	: <u>.</u>					
Entrenchment Ratio (ER) Es Flood-prone width = estimated																		stream.
6 / 2.5 =	2.4		•				,s.,		'					•		gói		
lood prone width / bankfull wid		ntrenchr	nent ratio				~		WXXX I	1	/				_ /F	lood-n	rone W	idth
•					2 >	x Bankf	ull De	pth		YaV	EXAM	. ♦		Water A	he de la companya de	full W		IGIII
									В	ankfull	Depth	W		*******	Dalla	ciuii vv	Idili	
				T-								áann.	NNX.					
Slightly Entr ER ≥ 2		d				ly Entr 1.41 –		ed					rench∈ : 1.0 –					
C stream type D stream t		E stre	am type			eam ty			A stre	am typ	oe_		eam ty		G stı	ream t	уре	
	7				<u></u>	. – – – .	-1					<u> </u>						
						$\overline{}$					'			~				
				1														
. Rating: Working from top to																	П	
(Rosgen 1994, 1996)	Entre	nchmen		lightly D, E str					erately stream		ched		□ E A, F, G	Entrend				
Percent of Flooded Wetlan	d Clas	sified a		i -		ypes 🖂				гуре		Ė			птуре	<u>s</u>		
Forested and/or Scrub/Sh	rub		75%	25-7	_	<25%		5%	25-75	% <	25%	75		25-759	% <	25%		
AA contains no outlet or re	stricte	d outlet		-									-					

ii. Are ≥10 acres of wetland in the AA subject to flooding AND are man-made features which may be significantly damaged by floods located
within 0.5 mile downstream of the AA? ☐ YES ☒ NO Comments:

.5M

14F.	. SHORT AND LONG TERM SURFACE WATER STORAGE	NA (proceed to 14G)
	Applies to wetlands that flood or pond from overbank or in-channe	I flow, precipitation, upland surface flow, or groundwater flow.
	If no wetlands in the AA are subject to flooding or ponding, then ch	neck the NA box and proceed to 14G.

i. Rating: Working from top to bottom, use the matrix below to select the functional point and rating. Abbreviations for surface water durations are as follows: P/P = permanent/perennial; S/I = seasonal/intermittent; and T/E = temporary/ephemeral [see manual for further definitions of these terms].

Estimated Maximum Acre Feet of Water Contained in Wetlands within the AA that are Subject to Periodic Flooding or Ponding		>5 acre fe	eet	□ 1.1	to 5 ac	re feet	⊠ ≤1 acre foot		
Duration of Surface Water at Wetlands within the AA	□ P/P	□ S/I	□ T/E	□ P/P	□ S/I	□ T/E	□ P/P	⊠ S/I	□ T/E
Wetlands in AA flood or pond ≥ 5 out of 10 years								.3L	
Wetlands in AA flood or pond < 5 out of 10 years									

Comments: Wetlands consist of long linear roadside and irrigation slope features with limited holding capacity.

Applies to wetland with potential to receive sediments, nutrients, or toxicants through influx of surface or ground water or direct input. If no wetlands in the AA are subject to such input, check the NA box and proceed to 14H.

i. Rating: Working from top to bottom, use the matrix below to select the functional point and rating.

Sediment, Nutrient, and Toxicant Input Levels within AA	AA receive has potent nutrients, such that substantia sedimenta toxicants, present.	tial to deliv or compou other funct illy impaire tion, sourc	er sedime inds at lev ions are n d. Minor es of nutr	ents, rels not rients or	Waterbody is need of TMDI causes" relat toxicants or A has potential nutrients, or of functions are sedimentation or signs of eu	development de to sediment AA receives of to deliver his compounds substantially n, sources of	nt for "probal nt, nutrients, or surroundin gh levels of s such that oth y impaired. M nutrients or	ole or g land use ediments, er ajor
% Cover of Wetland Vegetation in AA	⊠≥	70%	□<	70%	□≥7	70%	☐ < 70%	
Evidence of Flooding / Ponding in AA	⊠ Yes	☐ No	☐ Yes	☐ No	☐ Yes	☐ No	☐ Yes	☐ No
AA contains no or restricted outlet								
AA contains unrestricted outlet	.9H							

Comments: Vegetation cover in the wetlands greater than 70% and site has evidence of annual flooding.

14H. SEDIMENT / SHORELINE STABILIZATION NA (proceed to 14I)

Applies only if AA occurs on or within the banks of a river, stream, or other natural or man-made drainage, or on the shoreline of a standing water body which is subject to wave action.

If 14H does not apply, check the NA box and proceed to 14I.

% Cover of Wetland Streambank or Shoreline by Species with Stability	Duration of S	ted Vegetation	
Ratings of ≥6 (see Appendix F).	☐ Permanent / Perennial	Seasonal / Intermittent	☐ Temporary / Ephemeral
□ ≥ 65%			
⊠ 35-64%		.6M	
☐ < 35%			

Comments: Wetland species primarily herbaceous with moderate to high stability ratings...

14I. PRODUCTION EXPORT / FOOD CHAIN SUPPORT

i. Level of Biological Activity: Synthesis of wildlife and fish habitat rates (select).

General Fish Habitat Rating	General Wildlife Habitat Rating (14Ciii)								
(14Diii)	☐ E/H	■ M	ĎL						
☐ E/H									
□ M									
L									
⊠ NA			L						

ii. Rating: Working from top to bottom, use the matrix below to select the functional point and rating. Factor A = acreage of vegetated wetland component in the AA; Factor B = level of biological activity rating from above (14li); Factor C = whether or not the AA contains a surface or subsurface outlet; the final three rows pertain to the duration of surface water in the AA, where P/P, S/I, and T/E were previously defined, and A = "absent" [see manual for further definitions of these terms].

Α		Vegeta	ted Co	mponent	: >5 ac	res	\boxtimes	Vegeta	ated Co	mponent	1-5 ac	☐ Vegetated Component <1 acre						
В	B ☐ High ☐ Moderate ☐ Low		Low	☐ High		☐ Moderate		⊠ Low		☐ High				☐ Low				
С	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
P/P																		
S/I								-			.4M							
T/E/A																		

14L PRODUCTION EXPORT / FOOD (tinued)							
141. FRODUCTION EXPORT / TOOD	CHAIN	SUPPORT (cor	ilinuea)							
iii. Modified Rating: Note: Modified so	ore ca	nnot exceed 1.0	or be less that	n 0.1.						
mowing or clearing (unless for weed	contro	ol).					-			
iv. Final Score and Rating: <u>.4M</u> Con	nment	s:								
iv. Final Score and Rating: AM Comments:	0 ,									
iii. Rating: Use the information from i a	and ii a								a	
Criteria						ONCONDINA				
	arge								1	
						1			1	
Comments:										
	uaa tha	a matrix balay t	a a la at tha furn	etional n	oint and rating					
i. Rating: Working from top to bottom,										
springs or mature (>80 yr-old) cited rare types AND structure						D structural	previou			
Replacement Potential	association listed as "S1" by contains plant association associations									
Replacement Potential	asso	ciation listed a		contair	is plant asso	ciation				
	asso the N	ciation listed a	s "S1" by	contair listed a	ns plant asso as "S2" by th	ciation e MTNHP	diversit	ty (#13) is lo	w-moderate	
Estimated Relative Abundance (#11)	asso the N	ciation listed a	s "S1" by	contair listed a	ns plant asso as "S2" by th	ciation e MTNHP	diversit □ Rare	ty (#13) is lo		
Estimated Relative Abundance (#11) Low Disturbance at AA (#12i)	asso the N	ciation listed a #TNHP re Common	S "S1" by ☐ Abundant	contair listed a	ns plant asso is "S2" by the ☐ Common	ciation e MTNHP	diversit	ty (#13) is lov ☑ Common	w-moderate ☐ Abundant	
Estimated Relative Abundance (#11) Low Disturbance at AA (#12i) Moderate Disturbance at AA (#12i)	asso the N	ciation listed a //TNHP re	S "S1" by Abundant	contair listed a	ns plant asso is "S2" by the Common	ciation e MTNHP	diversit □ Rare	ty (#13) is lov ☐ Common .3L	w-moderate ☐ Abundant	
Estimated Relative Abundance (#11) Low Disturbance at AA (#12i) Moderate Disturbance at AA (#12i) High Disturbance at AA (#12i)	asso the N	ciation listed a	S "S1" by Abundant	contair listed a	ns plant asso is "S2" by the Common	ciation e MTNHP	diversit □ Rare	ty (#13) is lov ☐ Common .3L	w-moderate ☐ Abundant	
Estimated Relative Abundance (#11) Low Disturbance at AA (#12i) Moderate Disturbance at AA (#12i) High Disturbance at AA (#12i) Comments: Low to moderate structural	asso the M Rai	ciation listed a	S "S1" by Abundant NA (proceed	contair listed a Rare to Overa	s plant asso s "S2" by th	ciation e MTNHP	□ Rare	ty (#13) is lov ☐ Common .3L	w-moderate ☐ Abundant	
Estimated Relative Abundance (#11) Low Disturbance at AA (#12i) Moderate Disturbance at AA (#12i) High Disturbance at AA (#12i) Comments: Low to moderate structural 14L. RECREATION / EDUCATION PO Affords 'bonus' points if AA provide	asso the M Ra diversi	re Common	S "S1" by Abundant NA (proceed ucational oppor	contair listed a Rare to Overatunity.	s plant asso s "\$2" by th Common	ciation e MTNHP Abundant nd Rating page	diversit	ty (#13) is lov ☐ Common .3L	w-moderate ☐ Abundant	
Estimated Relative Abundance (#11) Low Disturbance at AA (#12i) Moderate Disturbance at AA (#12i) High Disturbance at AA (#12i) Comments: Low to moderate structural 14L. RECREATION / EDUCATION PO Affords 'bonus' points if AA provide i. Is the AA a known or potential recr	asso the M Rai Rai diversi TENTI. es a rece eation:	ity. AL Creational or education Educational/S	S "S1" by Abundant NA (proceed acational oppor	contair listed a Rare to Overatunity.	Il Summary an	e MTNHP Abundant nd Rating page	diversit	ty (#13) is lov ☐ Common3L	w-moderate Abundant	
Estimated Relative Abundance (#11) Low Disturbance at AA (#12i) Moderate Disturbance at AA (#12i) High Disturbance at AA (#12i) Comments: Low to moderate structural 14L. RECREATION / EDUCATION PO Affords 'bonus' points if AA provide i. Is the AA a known or potential recr ii. Check categories that apply to the iii. Rating: Use the matrix below to sele	asso the M Rai diversi TENTI. es a rec eation: AA: [ciation listed a ITNHP re Common ity. AL Creational or education Glucational/S Other: functional point	S "S1" by Abundant NA (proceed ucational oppor al site? YE Scientific Study and rating.	to Overatunity.	Il Summary an	e MTNHP Abundant nd Rating page	diversit	ty (#13) is lov ☐ Common3L sumptive recr	w-moderate Abundant eational	
Estimated Relative Abundance (#11) Low Disturbance at AA (#12i) Moderate Disturbance at AA (#12i) High Disturbance at AA (#12i) Comments: Low to moderate structural 14L. RECREATION / EDUCATION PO Affords 'bonus' points if AA provide i. Is the AA a known or potential recr ii. Check categories that apply to the Known or F	asso the M Rai diversi TENTI. es a rec eation: AA: [ect the	ciation listed a ITNHP re Common ity. AL Creational or education Glucational/S Other: functional point al Recreational	S "S1" by Abundant NA (proceed ucational oppor al site? YE Scientific Study and rating.	to Overatunity.	Il Summary al	e MTNHP Abundant nd Rating page	diversit	ey (#13) is lov Common3L sumptive recr	w-moderate Abundant eational	
Estimated Relative Abundance (#11) Low Disturbance at AA (#12i) Moderate Disturbance at AA (#12i) High Disturbance at AA (#12i) Comments: Low to moderate structural 14L. RECREATION / EDUCATION PO Affords 'bonus' points if AA provide i. Is the AA a known or potential recr ii. Check categories that apply to the Known or F Public ownership or public easement	asso the M Rai diversi TENTI. es a rec eation: AA: [ect the cotentint with	ciation listed a	S "S1" by Abundant NA (proceed ucational oppor al site? YE Scientific Study and rating. I or Education	to Overatunity. S, go to Cor	Il Summary al	e MTNHP Abundant nd Rating page	diversit Rare POX. Non-cons Known	ey (#13) is lov Common3L sumptive recr	w-moderate Abundant eational	
Estimated Relative Abundance (#11) Low Disturbance at AA (#12i) Moderate Disturbance at AA (#12i) High Disturbance at AA (#12i) Comments: Low to moderate structural 14L. RECREATION / EDUCATION PO Affords 'bonus' points if AA provide i. Is the AA a known or potential recr ii. Check categories that apply to the Known or F Public ownership or public easemer	asso the M Rai divers TENTI es a rec eation AA: [cet the cotention twith lic acco	ciation listed a ITNHP re Common ity. AL Creational or education Glucational/S Other: functional point al Recreationa general public ess (no permis	S "S1" by Abundant NA (proceed ucational oppor al site? YE Scientific Study and rating. I or Education access (no psion required)	to Overatunity. S, go to Cor	Il Summary and ii. NO, consumptive Reconstruction	e MTNHP Abundant nd Rating page heck the NA becreational	diversit Rare Rare Non-cons Known	ty (#13) is lov ☐ Common3L Sumptive recr Potential	w-moderate Abundant eational	
Estimated Relative Abundance (#11) Low Disturbance at AA (#12i) Moderate Disturbance at AA (#12i) High Disturbance at AA (#12i) Comments: Low to moderate structural 14L. RECREATION / EDUCATION PO Affords 'bonus' points if AA provide i. Is the AA a known or potential recr ii. Check categories that apply to the Known or F Public ownership or public easemer Private ownership with general public ownership with out	asso the M Rai divers TENTI es a rec eation AA: [cet the cotention twith lic acco	ciation listed a ITNHP re Common ity. AL Creational or education Glucational/S Other: functional point al Recreationa general public ess (no permis	S "S1" by Abundant NA (proceed ucational oppor al site? YE Scientific Study and rating. I or Education access (no psion required)	to Overatunity. S, go to Cor	Il Summary and ii. NO, consumptive Reconstruction	e MTNHP Abundant nd Rating page heck the NA becreational	diversit Rare Rare Non-cons Known	ty (#13) is lov ☐ Common3L Sumptive recr Potential	w-moderate Abundant eational	

Function & Value Variables	Rating – Actual Functional Points	Possible Functional Points	Functional Units: Actual Points x Estimated AA Acreage	Indicate the Four Most Prominent Functions with an Asterisk
A. Listed / Proposed T&E Species Habitat	low 0.00	1.00		
B. MT Natural Heritage Program Species Habitat	low 0.00	1.00		
C. General Wildlife Habitat	low 0.20	1.00		
D. General Fish Habitat	NA	NA		
E. Flood Attenuation	mod 0.50	1.00		
F. Short and Long Term Surface Water Storage	low 0.30	1.00		
G. Sediment / Nutrient / Toxicant Removal	high 0.90	1.00		
H. Sediment / Shoreline Stabilization	NA	NA		
I. Production Export / Food Chain Support	mod 0.40	1.00		
J. Groundwater Discharge / Recharge	mod 0.70	1.00		
K. Uniqueness	low 0.30	1.00		
L. Recreation / Education Potential (bonus point)	NA			
Total Points	3.3	9	Total	Functional Units
Percent of Possible	e Score 37% (round	to nearest who	le number)	

Category I Wetland: (must satisfy one of the following criteria; otherwise go to Category II) ☐ Score of 1 functional point for Listed/Proposed Threatened or Endangered Species; or ☐ Score of 1 functional point for Uniqueness; or ☐ Score of 1 functional point for Flood Attenuation and answer to Question 14E.ii is "yes"; or ☐ Percent of possible score > 80% (round to nearest whole #).
Category II Wetland: (Criteria for Category I not satisfied and meets any one of the following criteria; otherwise go to Category IV) Score of 1 functional point for MT Natural Heritage Program Species Habitat; or Score of .9 or 1 functional point for General Wildlife Habitat; or Thigh to "Exceptional" ratings for both General Wildlife Habitat and General Fish/Aquatic Habitat; or Score of .9 functional point for Uniqueness; or Percent of possible score > 65% (round to nearest whole #).
☐ Category III Wetland: (Criteria for Categories I, II, or IV not satisfied)
Category IV Wetland: (Criteria for Categories I or II are not satisfied and all of the following criteria are met; if not go to Category III) "Low" rating for Uniqueness; and Vegetated wetland component < 1 acre (do not include upland vegetated buffer); and Percent of possible score < 35% (round to nearest whole #).
OVERALL ANALYSIS AREA (AA) RATING
OVERALL ANALYSIS AREA (AA) RATING: Check the appropriate category based on the criteria outlined above.

MDT MONTANA WETLAND ASSESSMENT FORM (revised March 2008)

I. Project Name: US 93 N - Po	ost Creek Hill 2. MDT Project	t #: <u>NH 5-2(159)37</u> 3. Contro	I #: <u>AA-8</u>	
3. Evaluation Date: <u>9/23/24</u>	4. Evaluator(s): B.Cline 5. W	Vetland/Site #(s): W-14,15,16-2	<u>24</u>	
6. Wetland Location(s): Town	nship <u>19 N</u> , Range <u>20 W</u> , Sectio	on <u>11 & 12;</u> Township <u>N</u> , Ra	ange <u>E</u> , Section	
Approximate Stationing or	Roadposts: RP 39.65 to RP 4	<u>40.05</u>		
Watershed: 4 - Flathead	County: <u>Lake</u>			
7. Evaluating Agency: MDT Purpose of Evaluation: ☑ Wetland potentially af ☐ Mitigation wetlands; p ☐ Other	re-construction	9. Assessment Area	(AA) Size (acre): (visually estimated) (AA) Size (acre): (visually estimated) (AA) Size (acre): (visually estimated)	
10. CLASSIFICATION OF WE	TLAND AND AQUATIC HABIT	TATS IN AA (See manual for de	efinitions.)	
HGM Class (Brinson)	Class (Cowardin)	Modifier (Cowardin)	Water Regime	% OF AA
Riverine	Emergent Wetland		Seasonal / Intermittent	20
Slope	Emergent Wetland		Seasonal / Intermittent	40
Riverine	Forested Wetland		Seasonal / Intermittent	2
Depressional	Aquatic Bed		Permanent / Perennial	13

Comments: AA consists of emergent wetlands associated with roadside swale, irrigated meadow wetlands, and prairie potholes.

Emergent Wetland

11. ESTIMATED RELATIVE ABUNDANCE (of similarly classified sites within the same Major Montana Watershed Basin; see manual.) common

12. GENERAL CONDITION OF AA

Depressional

 Disturbance: Use matrix below to select the appropriate response; see manual for Montana listed noxious weed and aquatic nuisance vegetation species lists.

Permanent / Perennial

25

	Predominar	nt Conditions Adjacent to (within	500 feet of) AA
Conditions within AA	Managed in predominantly natural state; is not grazed, hayed, logged, or otherwise converted; does not contain roads or buildings; and noxious weed or ANVS cover is ≤15%.	Land not cultivated, but may be moderately grazed or hayed or selectively logged; or has been subject to minor clearing; contains few roads or buildings; noxious weed or ANVS cover is ≤30%.	Land cultivated or heavily grazed or logged; subject to substantial fill placement, grading, clearing, or hydrological alteration; high road or building density; or noxious weed or ANVS cover is >30%.
AA occurs and is managed in predominantly natural state; is not grazed, hayed, logged, or otherwise converted; does not contain roads or occupied buildings; and noxious weed or ANVS cover is ≤15%.			
AA not cultivated, but may be moderately grazed or hayed or selectively logged; or has been subject to relatively minor clearing, fill placement, or hydrological alteration; contains few roads or buildings; noxious weed or ANVS cover is ≤30%.		moderate disturbance	
AA cultivated or heavily grazed or logged; subject to relatively substantial fill placement, grading, clearing, or hydrological alteration; high road or building density; or noxious weed or ANVS cover is >30%.			

Comments (types of disturbance, intensity, season, etc.): Conditions in the AA includes disturbance from highway, agricultural, and residential dwellings.

- ii. Prominent noxious, aquatic nuisance, and other exotic vegetation species: <u>Canada thistle (Cirsium arvense)</u>, spotted knapweed (Centaurea maculosa), hounds tongue (Cynoglossum officinale), and yellow-flag iris (Iris pseudacorus).
- iii. Provide brief descriptive summary of AA and surrounding land use/habitat: AA includes roadside, meadow wetlands associated with irrigation water, and prairie potholes. Surrounding land use includes highway, agriculture, commercial business, and residential dwellings.

13. STRUCTURAL DIVERSITY (Based on number of "Cowardin" vegetated classes present [do not include unvegetated classes]; see #10 above.)

Existing # of "Cowardin" Vegetated Classes in AA	Initial Rating	Is current management peristence of additional		Modified Rating
≥3 (or 2 if one is forested) classes	high	NA	NA	NA
2 (or 1 if forested) classes		NA	NA	NA
1 class, but not a monoculture		←NO	YES→	
1 class, monoculture (1 species comprises ≥90% of total cover)		NA	NA	NA

Comments: AA dominated by emergent vegetation type with aquatic bed potholes and one small forested wetland.

Wetland/Site #(s): AA-8: W-14,15,16-24

14A. HABITAT FOR FEDER	ALLY	LISTE	D OR	PRO	POSE	D THE	REATE	NED	OR E	NDAN	GERE	D PL	ANTS	OR A	NIMAL	_S				
i. AA is Documented (D) or Primary or critical habitat (I Secondary habitat (list spe Incidental habitat (list spec No usable habitat	ist spe ecies)		(S) to	D [D [D [ain: C S _ S _ S _ S _	heck b	ox bas	sed o	n defir	nitions	in man	ual.								
ii. Rating: Based on the stro	ngest	habitat	chose	n in	14A(i) a	above	, selec	t the	corres	pondin	g funct	tional	point	and ra	iting.			-		_
Highest Habitat Level	Doc/	Prima	ry S	us/P	rimary	Do	c/Sec	onda	ry S	us/Sed	conda	ry	Doc/Ir	nciden	ıtal	Sus/	Incide	ntal	None	
Functional Point/Rating				-	-					-	-								0L	
Sources for documented us	se (e.g	. obse	rvation	s, red	cords):	MNHI	P, MFV	۷P, ۱	JSFWS	3										
14B. HABITAT FOR PLANT Do not include species					S1, S	52, OR	S3 B	Y TH	E MON	ITANA	NATU	JRAL	. HER	ITAGE	PRO	GRAI	И			
i. AA is Documented (D) or Primary or critical habitat (I Secondary habitat (list spe Incidental habitat (list spec No usable habitat	ist spe ecies)	ecies)		D [D [D [n manı	ual.								
ii. Rating: Based on the stro	ongest	habita	t chos	en in	14A(i)	above	, selec	t the	corres	pondir	ng fund	tiona	l point	and ra	ating.					-
Highest Habitat Level	Doc/	Prima	ry S	us/P	rimary	Do	c/Sec	onda	ry S	us/Sed	conda	ry	Doc/Ir	nciden	ital	Sus/I	ncider	ntal	None	
S1 Species0L																				
Functional Point/Rating																				
Functional Point/Rating .9H2L																				
Sources for documented use (e.g. observations, records): MNHP, MFWP, USFWS 14C. GENERAL WILDLIFE HABITAT RATING i. Evidence of Overall Wildlife Use in the AA: Check substantial, moderate, or low based on supporting evidence.																				
□ Substantial: Based on an □ observations of abunda □ abundant wildlife sign s □ presence of extremely □ interview with local biol	ant wild such a limitino logist v	dlife #s s scat, g habit vith kn	or hig tracks at feat owledo	h spe s, nes ures ge of	ecies d t struct not ava	tures, ailable	gàme i	trails,	etc.	,		few little spar	or no v to no v se adja	wildlife wildlife acent ı	obser sign upland	vatior food	ollowin ns durii source with kr	ng pea	ık üse ı	periods A
☐ observations of scatter ☐ common occurrence of ☐ adequate adjacent upla ☐ interview with local biol	ed wild wildlif and foo	llife gro e sign od soui	oups o such a rces	r indi as sca	at, tracl	ks, nes						c peri	ods							
ii. Wildlife Habitat Features For class cover to be conside percent composition of the AA S/I = seasonal/intermittent; T/	red ev \ (see E = te	enly di #10).	stribut Abbre	ed, th viatio	ne mos ns for s	t and I surfac	east p e wate	reval r dur	ent ve g ations	getate are as	d class follows	ses m s: P/F	ust be	withir mane	n 20% nt/pere	of ea	ch othe			
Structural Diversity (see #13)				⊠ı	High] Mo	derate	•				□ L	ow	
Class Cover Distribution (all vegetated classes)		□ E	ven			⊠ Un	even			□ E	ven			☐ Un	even			□ E	ven	
Duration of Surface Water in ≥ 10% of AA	P/P	S/I	T/E	Α	P/P	S/I	T/E	Α	P/P	S/I	T/E	Α	P/P	S/I	T/E	Α	P/P	S/I	T/E	Α
□ Low Disturbance at AA (see #12i)																				
Moderate Disturbance at AA (see #12i)					Н															
☐ High Disturbance at AA (see #12i)																				
iii. Rating: Use the conclusi	one fre	mian	nd ii ob	0)/0 1	and the	motri	y holo	v to c	roloot t	ho fur	otional	noint	and -	oting	1	ı				
Evidence of Wildlife Use	0115 110	nn i af	ıu II aD	ove a					eatures			μυπ	and f	aung.		7				
(i)		□ Exe	ceptio	nal	•		High	1 6	.a.ui Gi		derate)		□ Lo	w					
☐ Substantial															-	1				
							7M			-	-									
■ Minimal																_				
Comments:																				

2

						,	Wetla	nd/Sit	e #(s):	AA-8: '	W-14,	15,16-	·24					
14D. GENERAL FISH HABIT If the AA is not used by entrapped in a canal], the	fish, fis	h use is r		able du	ue to h		const	raints	, or is n	ot des	ired fro	om a r	nanag	ement	persp	ective	[such a	as fish
Assess this function if the precluded by perched c				e exist	ing sit	tuation	is "co	orrecta	ıble" su	ch tha	t the A	A cou	ld be ι	used by	y fish [i.e., fis	sh use	is
Type of Fishery: 🗌 C	old Wa	ter (CW)	☐ War	m Wat	er (W	W) U	se the	CW o	or WW	guideli	nes in	the m	anual t	to comp	plete tl	ie mat	rix.	
. Habitat Quality and Know	n / Sus	pected F	ish Spec	ies in	AA:	Use m	atrix t	o sele	ct the fo	unction	al poi	nt and	rating	ļ.				-
Duration of Surface	☐ Pe	rmanent	/ Perenr	nial		∥⊔s	easoı	nal / lı	ntermit	tent		□т	empo	rary / I	Ephen	neral		
Water in AA Aquatic Hiding / Resting / Escape Cover	Opti	mal A	dequate	Po	oor	Opti	mal	Ade	_ quate	Po	or	Opt	imal	Aded	uate	Po	oor	
Thermal Cover: optimal / suboptimal	0		s	0	s	0	S	0	s	0	s	0	s	0	s	0	s	
FWP Tier I fish species																		
FWP Tier II or Native				l										Ī				
Game fish species FWP Tier III or Introduced																		
Game fish																		
FWP Non-Game Tier IV or No fish species																		
Sources used for identifying	fish s	pp. poter	tially fo	und in	AA:													3
ources used for identifying fish spp. potentially found in AA: . Modified Rating: NOTE: Modified score cannot exceed 1.0 or be less than 0.1.																		
MDEQ list of waterbodies in need of TMDL development with listed "Probable Impaired Uses" including cold or warm water fishery or aquatic life support, or do aquatic nuisance plant or animal species (see Appendix E) occur in fish habitat? YES, reduce score in i by 0.1 = or N0 b) Does the AA contain a documented spawning area or other critical habitat feature (i.e., sanctuary pool, upwelling area; specify in comments) for mative fish or introduced game fish? YES, add to score in i or iia 0.1 = or N0 iii. Final Score and Rating: Comments: 14E. FLOOD ATTENUATION NA (proceed to 14F) Applies only to wetlands that are subject to flooding via in-channel or overbank flow. If wetlands in AA are not flooded from in-channel or overbank flow, check the NA box and proceed to 14F. Entrenchment Ratio (ER) Estimation (see manual for additional guidance). Entrenchment ratio = (flood-prone width) / (bankfull width). Flood-prone width = estimated horizontal projection of where 2 X maximum bankfull depth elevation intersects the floodplain on each side of the stream. 8 / 3.5 = 2.2 flood prone width / bankfull width = entrenchment ratio 2 x Bankfull Depth* Bankfull Width																		
Slightly Entr	oncho	d	1	Mod	orato	ly Enti	rench	had				Ent	renche	ad				
ER≥2	.2		n tur-	iviou	ER =	1.41 –	2.2	Ju	Λ -4	on to	I	ER =	1.0 -	1.4	l C - 4	**************************************	t m c	
C stream type D stream	- · -	E strear	n type		Bstr	eam ty	ppe		A stre	am typ	oe	FSU	ream ty	ype	S	ream	ype	
Dating: \Morking from ton to	hotton	a usa tha	matrix h	olovy to	o colo	ot the f	unctic	nal r	oint on a	Iratina								
 Rating: Working from top to Estimated or Calculated 				lightly I					erately					Entren	ched		1	
(Rosgen 1994, 1996)				D, E str	_				stream	type	_		A, F, C	strea		_		
Percent of Flooded Wetlan Forested and/or Scrub/Sh		sified as	75%	25-7		⊠ <25%		□ ′5%	 25-75	% <	□ <25%	75		25-75°	% <	□ :25%		
AA contains no outlet or re	stricte	d outlet		-	-								-					
AA contains unrestric	ted out	let			-	.5M							-					

ii. Are ≥10 acres of wetland in the AA subject to flo	ooding AND are man-made features which may be significantly damaged by floods	located
within 0.5 mile downstream of the AA? YES	NO Comments:	

Wetland/Site #(s): AA-8: W-14,15,16-24

14F.	4F. SHORT AND LONG TERM SURFACE WATER STORAGE \Box	NA (proceed to 14G)
	Applies to wetlands that flood or pond from overbank or in-channel flo	w, precipitation, upland surface flow, or groundwater flow.
	If no wetlands in the AA are subject to flooding or ponding, then check	k the NA box and proceed to 14G.

i. Rating: Working from top to bottom, use the matrix below to select the functional point and rating. Abbreviations for surface water durations are as follows: P/P = permanent/perennial; S/I = seasonal/intermittent; and T/E = temporary/ephemeral [see manual for further definitions of these terms].

Estimated Maximum Acre Feet of Water Contained in Wetlands within the AA that are Subject to Periodic Flooding or Ponding		>5 acre fe	eet	□ 1 .1	to 5 ac	re feet	☐ ≤1 acre foot			
Duration of Surface Water at Wetlands within the AA	⊠ P/P	□ S/I	□ T/E	□ P/P	□ S/I	□ T/E	□ P/P	□ S/I	□ T/E	
Wetlands in AA flood or pond ≥ 5 out of 10 years	1H									
Wetlands in AA flood or pond < 5 out of 10 years										

Comments: Wetlands consist of depressional features with increased holding capacity.

14G.	SEDIMENT	/ NUTRIENT	/ TOXICANT	/ RETENTION	AND REMOVA	L 🗌 NA	(proceed to 1	14H
------	-----------------	------------	------------	-------------	------------	--------	---------------	-----

Applies to wetland with potential to receive sediments, nutrients, or toxicants through influx of surface or ground water or direct input. If no wetlands in the AA are subject to such input, check the NA box and proceed to 14H.

i. Rating: Working from top to bottom, use the matrix below to select the functional point and rating.

Sediment, Nutrient, and Toxicant Input Levels within AA	AA receive has potent nutrients, such that a substantia sedimenta toxicants, present.	tial to delive or compount other funct ally impaire tion, source	er sedime inds at lev ions are n d. Minor es of nutr	ents, rels not rients or	Waterbody is need of TMDI causes" relat toxicants or A has potential nutrients, or functions are sedimentation or signs of eu	development de to sediment AA receives of to deliver his compounds substantially n, sources of	nt for "probal int, nutrients, or surroundin gh levels of s such that oth y impaired. M	ole or og land use ediments, er ajor	
% Cover of Wetland Vegetation in AA	⊠≥∶	70%	□<	70%	□≥7	70%			
Evidence of Flooding / Ponding in AA	⊠ Yes	☐ No	☐ Yes	□No	☐ Yes	☐ No	☐ Yes	☐ No	
AA contains no or restricted outlet									
AA contains unrestricted outlet	.9H								

Comments: Vegetation cover in the wetlands greater than 70% and site has evidence of annual flooding.

14H. SEDIMENT / SHORELINE STABILIZATION NA (proceed to 14I)

Applies only if AA occurs on or within the banks of a river, stream, or other natural or man-made drainage, or on the shoreline of a standing water body which is subject to wave action.

If 14H does not apply, check the NA box and proceed to 14I.

% Cover of Wetland Streambank or Shoreline by Species with Stability	Duration of S	Duration of Surface Water Adjacent to Rooted Vegetation								
Ratings of ≥6 (see Appendix F).	☐ Permanent / Perennial	☐ Seasonal / Intermittent	☐ Temporary / Ephemeral							
□ ≥ 65%										
□ 35-64%										
☐ < 35%										

Comments: .

14I. PRODUCTION EXPORT / FOOD CHAIN SUPPORT

i. Level of Biological Activity: Synthesis of wildlife and fish habitat rates (select).

General Fish Habitat Rating	Genera	General Wildlife Habitat Rating (14Ciii)								
(14Diii)	☐ E/H	oxtimes M	_ L							
☐ E/H										
■ M										
L										
NA		M								

ii. Rating: Working from top to bottom, use the matrix below to select the functional point and rating. Factor A = acreage of vegetated wetland component in the AA; Factor B = level of biological activity rating from above (14li); Factor C = whether or not the AA contains a surface or subsurface outlet; the final three rows pertain to the duration of surface water in the AA, where P/P, S/I, and T/E were previously defined, and A = "absent" [see manual for further definitions of these terms].

Α	\boxtimes	Vegeta	ted Co	mponent	: >5 ac	res	☐ Vegetated Component 1-5 acres							☐ Vegetated Component <1 acre					
В	_ 	ligh	M	Moderate Low		☐ High		☐ Moderate		☐ Low		☐ High		☐ Moderate		Low			
С	Yes	No	Yes	No	Yes	No	Yes	Yes No		No	Yes	No	Yes	No	Yes	No	Yes	No	
P/P			.8H																
S/I				-				-				-							
T/E/A																			

Wetland/Site #(s): AA-8: W-14,15,16-24

14I. PRODUCTION EXPORT / FOOD O	CHAIN S	SUPPORT (con	tinued)							
iii. Modified Rating: Note: Modified sc	ore canr	not exceed 1.0	or be less that	n 0.1.						
Vegetated Upland Buffer: Area wire mowing or clearing (unless for weed Is there an average ≥ 50-foot wide v	control)).					-			
iv. Final Score and Rating: $\underline{.9H}$ Com	ments:									
14J. GROUNDWATER DISCHARGE <i>I</i> Check the appropriate indicators i										
i. Discharge Indicators The AA is a slope wetland. Springs or seeps are known Vegetation growing during of wetland occurs at the toe of Seeps are present at the word AA permanently flooded du Wetland contains an outlet, Shallow water table and the Other:	dormant of a nature etland ecoring drou but no i	nt season/drought. Stream is a known 'losing' stream. Discharge volume decural slope. Other: edge. ought periods. o inlet.								
iii. Rating: Use the information from i a	ınd ii abo								7	
Duration of Saturation at AA Wetlands FROM GROUNDWATER DISCHARGE WITH WATER THAT IS RECHARGING THE GROUNDWATER SYSTEM										
Criteria		⊠ P/P	□ s		<u> </u>	CHOCHENA	□ No			
☐ Groundwater Discharge or Recha	arge	1H							1	
☐ Insufficient Data/Information Comments:]	
14K. UNIQUENESS										
i. Rating: Working from top to bottom,										
i. Rating: Working from top to bottom, Replacement Potential	AA co spring forest	ntains fen, bo gs or mature (2 ed wetland OF iation listed a	og, warm >80 yr-old) ⋜ plant	AA doo cited ra diversi contail	oint and rating es not contain are types ANI ity (#13) is hig ns plant asso as "S2" by the	n previously O structural gh OR ciation	previo	es not contai usly cited rar ations AND s ty (#13) is lo	e types OR structural	
Replacement Potential	AA co spring forest assoc the M	ntains fen, bo gs or mature (2 ed wetland OF iation listed a	og, warm >80 yr-old) ⋜ plant s "S1" by	AA doo cited ra diversi contain listed a	es not contail are types ANI ty (#13) is hig ns plant asso as "S2" by th	n previously O structural gh OR ciation	previo associ diversi	usly cited rar ations AND s ty (#13) is lo	e types OR tructural	
Replacement Potential Estimated Relative Abundance (#11) Low Disturbance at AA (#12i)	AA co spring forest assoc the M	ntains fen, bogs or mature (3 ed wetland OF iation listed a TNHP	og, warm >80 yr-old) R plant s "S1" by ☐ Abundant	AA doc cited radiversi contain listed a	es not contain are types ANI ty (#13) is hig as plant asso as "S2" by the Common	n previously D structural Jh OR ciation B MTNHP Abundant	previou associ diversi	usly cited rar ations AND s ty (#13) is lo	e types OR structural w-moderate	
Replacement Potential Estimated Relative Abundance (#11) Low Disturbance at AA (#12i) Moderate Disturbance at AA (#12i)	AA co spring forest assoc the MT	ntains fen, bogs or mature (: ed wetland OF iation listed a: TNHP	g, warm >80 yr-old) R plant s "S1" by	AA docited rediversity contains listed as Rare	es not contain are types ANI ty (#13) is high as plant asso as "S2" by the Common	n previously D structural gh OR ciation e MTNHP D Abundant	previou associ diversi Rare	usly cited rar ations AND s ty (#13) is low Common3L	e types OR structural w-moderate	
Replacement Potential Estimated Relative Abundance (#11) Low Disturbance at AA (#12i) Moderate Disturbance at AA (#12i) High Disturbance at AA (#12i)	AA co spring forest assoc the MT	ontains fen, bogs or mature (: ed wetland OF iation listed a: TNHP Common	og, warm >80 yr-old) R plant s "S1" by ☐ Abundant	AA doc cited radiversi contain listed a	es not contain are types ANI ty (#13) is hig as plant asso as "S2" by the Common	n previously D structural Jh OR ciation B MTNHP Abundant	previou associ diversi	usly cited rar ations AND s ty (#13) is lo	e types OR structural w-moderate	
Replacement Potential Estimated Relative Abundance (#11) Low Disturbance at AA (#12i) Moderate Disturbance at AA (#12i) High Disturbance at AA (#12i) Comments: Low to moderate structural 14L. RECREATION / EDUCATION PO Affords 'bonus' points if AA provide i. Is the AA a known or potential recre	AA co spring forest assoc the MT Rare diversity TENTIA es a recre eational	Intains fen, boogs or mature () ed wetland OF iation listed at TNHP COMMON V. L Editional or educations	g, warm >80 yr-old) R plant s "S1" by Abundant NA (proceed acational opporal site?	AA docited rediversity contain listed a Rare	es not contain are types ANI ty (#13) is high as plant asso as "S2" by the Common	n previously D structural gh OR ciation e MTNHP Abundant nd Rating page	previous associ diversi Rare e)	usly cited rar ations AND s ty (#13) is low Common3L	e types OR structural w-moderate Abundant	
Replacement Potential Estimated Relative Abundance (#11) Low Disturbance at AA (#12i) Moderate Disturbance at AA (#12i) High Disturbance at AA (#12i) Comments: Low to moderate structural 14L. RECREATION / EDUCATION PO' Affords 'bonus' points if AA provide	AA co spring forest assoc the MT Rare diversity TENTIA es a recr eational	Intains fen, boogs or mature () ed wetland OF iation listed at TNHP COMMON V. L Editional or educations	g, warm >80 yr-old) R plant s "S1" by Abundant NA (proceed acational opporal site?	AA docited rediversity contain listed a Rare	es not contain are types ANI ty (#13) is high as plant asso as "S2" by the Common	n previously D structural gh OR ciation e MTNHP Abundant nd Rating page	previous associ diversi Rare e)	usly cited rar ations AND s ty (#13) is low Common3L	e types OR structural w-moderate Abundant	
Replacement Potential Estimated Relative Abundance (#11) Low Disturbance at AA (#12i) Moderate Disturbance at AA (#12i) High Disturbance at AA (#12i) Comments: Low to moderate structural 14L. RECREATION / EDUCATION PO Affords 'bonus' points if AA provide i. Is the AA a known or potential recre ii. Check categories that apply to the iii. Rating: Use the matrix below to select	AA co spring forest assoc the MT Rare diversity TENTIA es a recreational	Intains fen, books or mature (): Jed wetland OF Jed wetland or educational point of educational point or educational poin	g, warm >80 yr-old) R plant s "S1" by Abundant NA (proceed acational oppor al site? YE scientific Study	AA docited ridiversic contain listed a	es not contain are types ANI ty (#13) is high as plant asso as "S2" by the Common	n previously D structural gh OR ciation e MTNHP Abundant nd Rating page	previous associ diversi Rare	usly cited rar ations AND s ty (#13) is lov Common .3L sumptive recr	e types OR structural w-moderate	
Replacement Potential Estimated Relative Abundance (#11) Low Disturbance at AA (#12i) Moderate Disturbance at AA (#12i) High Disturbance at AA (#12i) Comments: Low to moderate structural 14L. RECREATION / EDUCATION PO Affords 'bonus' points if AA provide i. Is the AA a known or potential recre ii. Check categories that apply to the iii. Rating: Use the matrix below to select Known or F	AA co spring forest assoc the MT Rare diversity TENTIA es a recreational AA:	Intains fen, books or mature (xed wetland OFiation listed at TNHP Common Com	g, warm >80 yr-old) R plant s "S1" by Abundant NA (proceed acational oppor al site? YE scientific Study and rating.	AA docited ridiversic contain listed a Bare	es not contain are types ANI ty (#13) is high as plant asso as "S2" by the Common all Summary ar ii. NO, chasumptive Recommendate Re	n previously D structural gh OR ciation e MTNHP Abundant nd Rating page	previous associ diversi la Rare	usly cited rar ations AND s ty (#13) is lov Common .3L sumptive recr	e types OR structural w-moderate	
Replacement Potential Estimated Relative Abundance (#11) Low Disturbance at AA (#12i) Moderate Disturbance at AA (#12i) High Disturbance at AA (#12i) Comments: Low to moderate structural 14L. RECREATION / EDUCATION PO Affords 'bonus' points if AA provide i. Is the AA a known or potential recre ii. Check categories that apply to the iii. Rating: Use the matrix below to select the select	AA co spring forest assoc the MT Rare diversity TENTIA es a recreational AA:	Intains fen, books or mature (): ed wetland OF iation listed as TNHP Common Com	g, warm >80 yr-old) R plant s "S1" by Abundant NA (proceed acational oppor al site? YE ccientific Study and rating. I or Education access (no p	AA docited ridiversic contain listed a	es not contain are types ANI ty (#13) is high as plant asso as "S2" by the Common all Summary ar ii. NO, chasumptive Recommendate Re	n previously D structural gh OR ciation e MTNHP Abundant nd Rating page	previous associ diversi la Rare	usly cited rar ations AND s ty (#13) is lov Common .3L sumptive recr	e types OR structural w-moderate	
Replacement Potential Estimated Relative Abundance (#11) Low Disturbance at AA (#12i) Moderate Disturbance at AA (#12i) High Disturbance at AA (#12i) Comments: Low to moderate structural 14L. RECREATION / EDUCATION PO Affords 'bonus' points if AA provide i. Is the AA a known or potential recruii. Check categories that apply to the iii. Rating: Use the matrix below to sele Known or Public ownership or public easemer Private ownership with general publ	AA cospring forest assoc the MT assoc the MT assoc diversity TENTIA as a recreational AA:	Intains fen, books or mature () Interest of the control of the co	g, warm >80 yr-old) R plant s "S1" by Abundant NA (proceed acational oppor al site? YE ccientific Study and rating. I or Education access (no posion required)	AA docited rediversity contain listed a Rare	es not container types ANI ty (#13) is higher splant asso as "S2" by the Common Ill Summary an ii. NO, che nsumptive Recontered)	n previously D structural Igh OR ciation MTNHP D Abundant and Rating page	previous associ diversi la Rare	usly cited rar ations AND s ty (#13) is lov Common .3L sumptive recr	e types OR structural w-moderate	
Replacement Potential Estimated Relative Abundance (#11) Low Disturbance at AA (#12i) Moderate Disturbance at AA (#12i) High Disturbance at AA (#12i) Comments: Low to moderate structural 14L. RECREATION / EDUCATION PO Affords 'bonus' points if AA provide i. Is the AA a known or potential recre ii. Check categories that apply to the iii. Rating: Use the matrix below to select the select	AA cospring forest assoc the MT assoc the MT assoc diversity TENTIA as a recreational AA:	Intains fen, books or mature () Interest of the control of the co	g, warm >80 yr-old) R plant s "S1" by Abundant NA (proceed acational oppor al site? YE ccientific Study and rating. I or Education access (no posion required)	AA docited rediversity contain listed a Rare	es not container types ANI ty (#13) is higher splant asso as "S2" by the Common Ill Summary an ii. NO, che nsumptive Recontered)	n previously D structural Igh OR ciation MTNHP D Abundant and Rating page	previous associ diversi la Rare e) Non-con Known	suly cited rarations AND sty (#13) is low Common .3L sumptive recr	e types OR structural w-moderate	

Wetland/Site #(s): <u>AA-8: W-14,15,16-24</u>

Function & Value Variables	Rating – Actual Functional Points	Possible Functional Points	Functional Units: Actual Points x Estimated AA Acreage	Indicate the Four Most Prominent Functions with an Asterisk
A. Listed / Proposed T&E Species Habitat	low 0.00	1.00		
B. MT Natural Heritage Program Species Habitat	low 0.20	1.00		
C. General Wildlife Habitat	mod 0.70	1.00		
D. General Fish Habitat	NA	NA		
E. Flood Attenuation	mod 0.50	1.00		
F. Short and Long Term Surface Water Storage	high 1.00	1.00		
G. Sediment / Nutrient / Toxicant Removal	high 0.90	1.00		
H. Sediment / Shoreline Stabilization	NA	NA		
I. Production Export / Food Chain Support	high 0.90	1.00		
J. Groundwater Discharge / Recharge	high 1.00	1.00		
K. Uniqueness	low 0.30	1.00		_
L. Recreation / Education Potential (bonus point)	NA			
Total Points	5.5	9	Total	Functional Units
Percent of Possibl	e Score 61% (round	to nearest who	le number)	

Category I Wetland: (must satisfy one of the following criteria; otherwise go to Category II) ☐ Score of 1 functional point for Listed/Proposed Threatened or Endangered Species; or ☐ Score of 1 functional point for Uniqueness; or ☐ Score of 1 functional point for Flood Attenuation and answer to Question 14E.ii is "yes"; or ☐ Percent of possible score > 80% (round to nearest whole #).
Category II Wetland: (Criteria for Category I not satisfied and meets any one of the following criteria; otherwise go to Category IV) Score of 1 functional point for MT Natural Heritage Program Species Habitat; or Score of .9 or 1 functional point for General Wildlife Habitat; or Score of .9 or 1 functional point for General Fish Habitat; or "High" to "Exceptional" ratings for both General Wildlife Habitat and General Fish/Aquatic Habitat; or Score of .9 functional point for Uniqueness; or Percent of possible score > 65% (round to nearest whole #).
□ Category III Wetland: (Criteria for Categories I, II, or IV not satisfied)
Category IV Wetland: (Criteria for Categories I or II are not satisfied and all of the following criteria are met; if not go to Category III) "Low" rating for Uniqueness; and Vegetated wetland component < 1 acre (do not include upland vegetated buffer); and Percent of possible score < 35% (round to nearest whole #).
OVERALL ANALYSIS AREA (AA) RATING: Check the appropriate category based on the criteria outlined above.

MDT MONTANA WETLAND ASSESSMENT FORM (revised March 2008)

 Project Name: <u>US 93 N - P</u> 	Project Name: <u>US 93 N - Post Creek Hill</u> 2. MDT Project #: <u>NH 5-2(159)37</u> 3. Control #: <u>AA-9</u> Evaluation Date: 9/23/24 4. Evaluator(s): B.Cline 5. Wetland/Site #(s): W-17,18,19,20,21-24												
3. Evaluation Date: 9/23/24	4. Evaluator(s): B.Cline 5. W	/etland/Site #(s): <u>W-17,18,19,</u>	<u>20,21-24</u>										
6. Wetland Location(s): Tow	nship <u>19 N</u> , Range <u>20 W</u> , Secti	on <u>1 & 2</u> ; Township <u>N</u> , Rang	ge <u>E</u> , Section										
Approximate Stationing or	Roadposts:												
Watershed: 4 - Flathead	County: <u>Lake</u>												
7. Evaluating Agency: MDT Purpose of Evaluation: ☑ Wetland potentially af ☐ Mitigation wetlands; p ☐ Other 10. CLASSIFICATION OF WE	ore-construction oost-construction	9. Assessment Area (see manual for de	(visually estimated) 5.42 (measured, e.g. GPS) (AA) Size (acre): 1. (visually estimated) (b. 5.42 (measured) 5.42 (measured) 1. (visually estimated) 1. (visually estimated) 1. (visually estimated)										
HGM Class (Brinson)	Class (Cowardin)	Modifier (Cowardin)	Water Regime	% OF AA									
Depressional	Emergent Wetland		Permanent / Perennial	60									
Depressional	Aquatic Bed		Permanent / Perennial	15									
Depressional	Unconsolidated Bottom		Permanent / Perennial	22									

Comments: AA consists of emergent wetlands associated with prairie pothole features and roadside swales.

Emergent Wetland

11. ESTIMATED RELATIVE ABUNDANCE (of similarly classified sites within the same Major Montana Watershed Basin; see manual.) common

12. GENERAL CONDITION OF AA

Riverine

 i. Disturbance: Use matrix below to select the appropriate response; see manual for Montana listed noxious weed and aquatic nuisance vegetation species lists.

Temporary / Ephemeral

	Predominar	t Conditions Adjacent to (within	500 feet of) AA
Conditions within AA	Managed in predominantly natural state; is not grazed, hayed, logged, or otherwise converted; does not contain roads or buildings; and noxious weed or ANVS cover is ≤15%.	Land not cultivated, but may be moderately grazed or hayed or selectively logged; or has been subject to minor clearing; contains few roads or buildings; noxious weed or ANVS cover is ≤30%.	Land cultivated or heavily grazed or logged; subject to substantial fill placement, grading, clearing, or hydrological alteration; high road or building density; or noxious weed or ANVS cover is >30%.
AA occurs and is managed in predominantly natural state; is not grazed, hayed, logged, or otherwise converted; does not contain roads or occupied buildings; and noxious weed or ANVS cover is ≤15%.			
AA not cultivated, but may be moderately grazed or hayed or selectively logged; or has been subject to relatively minor clearing, fill placement, or hydrological alteration; contains few roads or buildings; noxious weed or ANVS cover is ≤30%.		moderate disturbance	
AA cultivated or heavily grazed or logged; subject to relatively substantial fill placement, grading, clearing, or hydrological alteration; high road or building density; or noxious weed or ANVS cover is >30%.			

Comments (types of disturbance, intensity, season, etc.): Conditions in the AA includes disturbance from highway, agricultural, and residential dwellings.

- ii. Prominent noxious, aquatic nuisance, and other exotic vegetation species: <u>Canada thistle (Cirsium arvense)</u>, spotted knapweed (Centaurea maculosa), and yellow-flag iris (Iris pseudacorus).
- iii. Provide brief descriptive summary of AA and surrounding land use/habitat: AA includes roadside swales and prairie pothole wetlands and meadows. Property on both sides of Hwy 93 is managed as a wildlife refuge. Surrounding land use includes wildlife refuge, highway, and agriculture.

13. STRUCTURAL DIVERSITY (Based on number of "Cowardin" vegetated classes present [do not include unvegetated classes]; see #10 above.)

Existing # of "Cowardin" Vegetated Classes in AA	Initial Rating	Is current management peristence of additional	Modified Rating	
≥3 (or 2 if one is forested) classes	high	NA	NA	NA
2 (or 1 if forested) classes		NA	NA	NA
1 class, but not a monoculture		←NO	YES→	
1 class, monoculture (1 species comprises ≥90% of total cover)		NA	NA	NA

Comments: AA dominated by emergent vegetation type with PAB and PUB potholes.

14A. HABITAT FOR FEDERALLY LISTED OR PROPOSED THREATENED OR ENDANGERED PLANTS OR ANIMALS . AA is Documented (D) or Suspected (S) to contain: Check box based on definitions in manual.																				
i. AA is Documented (D) or Primary or critical habitat (I Secondary habitat (list spe Incidental habitat (list spec No usable habitat	ist spe ecies)	ecies)	(S) to	D [D [D [ain: C S _ S _ S _ S _	heck b	oox ba	sed o	n defii	nitions	in mar	nual.								
ii. Rating: Based on the stro	_			n in	14A(i)					pondin	g func	tiona	l point	and ra	ating.					
Highest Habitat Level	Doc/l	Prima	ry S	us/P	rimary	Do	c/Sec	onda	ry S	us/Se	conda	ry	Doc/Ir	ncider	ntal	Sus/	Incide	ntal	None	1
Functional Point/Rating																			0L	
Sources for documented us	se (e.g.	. obse	rvation	s, red	cords):	<u>MNHI</u>	<u>⊃, MF\</u>	NP, L	JSFW:	<u>S</u>										
	4B. HABITAT FOR PLANTS OR ANIMALS RATED S1, S2, OR S3 BY THE MONTANA NATURAL HERITAGE PROGRAM Do not include species listed in 14A above. AA is Decumented (D) or Supported (S) to contain; Check have been definitions in manual.																			
AA is Documented (D) or Suspected (S) to contain: Check box based on definitions in manual. Primary or critical habitat (list species)																				
i. Rating: Based on the strongest habitat chosen in 14A(i) above, select the corresponding functional point and rating.																				
Highest Habitat Level Doc/Primary Sus/Primary Doc/Secondary Sus/Secondary Doc/Incidental Sus/Incidental None																				
S1 Species Functional Point/Rating				-	-					_									.0L	
S2 and S3 Species Functional Point/Rating				-			.6N	Λ		-										
Sources for documented us	se (e.a.	. obse	rvation	s. red	cords):	MNHI	P. MFV	VP. L	JSFWS	S										J
14C. GENERAL WILDLIFE	, •				,					_										
i. Evidence of Overall Wildl	life Us	e in th	e AA:	Che	ck sub	stantia	al, mod	derate	e, or lo	w base	ed on s	uppo	orting e	evidend	ce.					
 Substantial: Based on an □ observations of abunda □ abundant wildlife sign s □ presence of extremely □ interview with local biological 	ant wild such as limiting	dlife #s s scat, g habit	or hig tracks at feat	h spe , nes ures	ecies d t struct not ava	tures, ailable	game	trails,	etc.			few little spar	or no v to no v se adj	wildlife wildlife acent	obser sign upland	vatior food	source	ng pea	eck]. ak use p lge of A	
■ Moderate: Based on any observations of scatter common occurrence of adequate adjacent uplation interview with local biol	ed wild wildlife and foo	llife gro e sign od soui	oups o such a rces	r indi as sca	at, trac	ks, ne						k peri	ods							
ii. Wildlife Habitat Features For class cover to be conside percent composition of the A/ S/I = seasonal/intermittent; T/	: Work red ev	ting fro enly di #10).	om top istribut Abbre	to bo ed, th viatio	ttom, one mos	check t and l surfac	least p e wate	reval	ent ve ations	getate are as	d class follows	ses m s: P/F	nust be	withir mane	n 20% nt/pere	of ea ennial	ch othe			
Structural Diversity					High								derate						ow	
(see #13) Class Cover Distribution			ven			☐ Un	even			E			l	 □ Un	even			E		
(all vegetated classes) Duration of Surface	P/P	S/I	T/E	Α	P/P	S/I	T/E	Α	P/P	S/I	T/E	Α	P/P	S/I	T/E	Α	P/P	S/I	T/E	Α
Water in ≥ 10% of AA □ Low Disturbance at AA (see #12i)																				
Moderate Disturbance at AA (see #12i)	Н																			
☐ High Disturbance at AA (see #12i)																				
iii. Rating: Use the conclusi	ons fro	m i ar	nd ii ab	ove a	and the	matri	x belov	v to s	elect t	he fun	ctional	poin	t and r	atina.	•					
Evidence of Wildlife Use										s Ratir				<u> </u>						
(i)		Ex	ceptio	nal			High		1	☐ Mo	derate	Э		☐ Lo	w					
Substantial □ Made rate					\perp		.9H									_				
Moderate ☐ Minimal					+								 			\dashv				
Comments:					<u> </u>				<u> </u>				1			<u> </u>				

							,	Wetla	nd/Sit	e #(s):	AA-9: \	N-17,	18,19,	20,21-	<u> 24</u>				
14D. GENERAL FISH HABIT If the AA is not used by entrapped in a canal], the	fish, fis	sh use		restora	able du	ue to h		const	raints,	or is n	ot desi	red fro	om a r	manage	ement	perspe	ective	[such	as fish
Assess this function if the precluded by perched contact the contact that the precipitation is a second to the contact the precipitation and the precipitation is a second to the precipitation and the precipitation is a second to the precipitation and the precipitation is a second to the precipitation and the precipitation is a second to the precipitation and the precipita					e exist	ing sit	uation	is "co	rrecta	ıble" su	ch tha	the A	A cou	ıld be u	ised by	/ fish [i.e., fis	sh use	is
Type of Fishery: 🗌 C	old Wa	ater (C	W) 🗵] Warı	m Wat	er (W \	W) U	se the	CW o	r WW	guideli	nes in	the m	anual t	o comp	olete th	e matı	rix.	
. Habitat Quality and Known / Suspected Fish Species in AA: Use matrix to select the functional point and rating.										_									
Duration of Surface Water in AA	⊠P	☑ Permanent / Perennial ☐ Seasonal / Intermittent ☐ Temporary / Ephemeral																	
Aquatic Hiding / Resting / Escape Cover	Opt] imal	Adeq			oor	Opti] imal	Ade	_ quate	Po		Opt	_ timal	Aded] uate	Po	oor	
Thermal Cover: optimal / suboptimal	0	s	0	s	0	s	0	s	0	S	0	s	0	s	0	s	0	s	
FWP Tier I fish species																			
FWP Tier II or Native																			
Game fish species FWP Tier III or Introduced																			
Game fish FWP Non-Game Tier IV or				.4M															
No fish species Sources used for identifying	fiele		tontio	lls: for	ınd in	A A . N	4EIGH	NAL IN	ID 0 I	MEMO									İ
ii. Modified Rating: NOTE: Modified score cannot exceed 1.0 or be less than 0.1. a) Is fish use of the AA significantly reduced by a culvert, dike, or other man-made structure or activity, or is the waterbody included on the current final MDEQ list of waterbodies in need of TMDL development with listed "Probable Impaired Uses" including cold or warm water fishery or aquatic life support, or do aquatic nuisance plant or animal species (see Appendix E) occur in fish habitat? YES, reduce score in i by 0.1 = or No No Does the AA contain a documented spawning area or other critical habitat feature (i.e., sanctuary pool, upwelling area; specify in comments) for								fe N0											
native fish or introduced game iii. Final Score and Rating:					ore in	i or iia	0.1 =	_ 0	r 🖾 🏻	10									
iii. Finai Score and Rating:	. <u>4101</u> C	Omme	:																
14E. FLOOD ATTENUATION Applies only to wetlands If wetlands in AA are no	s that a	are sub	NA (poject to n in-cha	floodir	ng via	in-cha	nnel o flow, o	r over check	bank the N	flow. A box a	ınd pro	ceed	to 14F	:					
Entrenchment Ratio (ER) Es Flood-prone width = estimated																		e of the	e stream.
flood prone width / bankfull width = entrenchment ratio 2 x Bankfull Depth Bankfull Depth Bankfull Depth																			
Slightly Ent ER ≥ 2		ed					ly Enti 1.41 –		ed					renche : 1.0 –					
C stream type D stream		E st	ream ty	/ре			eam ty			A stre	am typ	oe .		ream ty		G st	ream t	уре	
	<u> </u>		<u> </u>					<u>-</u>					Ę						
i. Rating: Working from top to	o botto	m, use	the ma	atrix be	elow to	selec	ct the f	unctic	nal po	oint and	l ratino	ı.							

i. Rating: Working from top to bottom, use the	matrix be	elow to sele	ct the fun	ctional p	oint and rati	ng.			
Estimated or Calculated Entrenchment	SI	ightly Entrei	nched	☐ Mod	erately Enti	renched		Entrenche	d
(Rosgen 1994, 1996)	C, D	, E stream t	ypes	В	stream typ	е	A, F,	G stream ty	/pes
Percent of Flooded Wetland Classified as									
Forested and/or Scrub/Shrub	75%	25-75%	<25%	75%	25-75%	<25%	75%	25-75%	<25%
AA contains no outlet or restricted outlet									
AA contains unrestricted outlet									

ii. Are ≥10 acres of wetland in the AA subject to flooding AND are man-made features which may be significantly damaged by floods located within 0.5 mile downstream of the AA? ☐ YES ☐ NO Comments: _____

14	F. SHORT AND LONG TERM SURFACE WATER STORAGE
	Applies to wetlands that flood or pond from overbank or in-channel flow, precipitation, upland surface flow, or groundwater flow.
	If no wetlands in the AA are subject to flooding or ponding, then check the NA box and proceed to 14G.
i	Rating: Working from top to bottom, use the matrix below to select the functional point and rating. Abbreviations for surface water in

Estimated Maximum Acre Feet of Water Contained in Wetlands within the AA that are Subject to Periodic Flooding or Ponding		>5 acre fe	eet	□ 1 .1	to 5 ac	re feet	☐ ≤1 acre foot			
Duration of Surface Water at Wetlands within the AA	⊠ P/P	□ S/I	□ T/E	□ P/P	□ S/I	□ T/E	□ P/P	□ S/I	□ T/E	
Wetlands in AA flood or pond ≥ 5 out of 10 years	1H					-				
Wetlands in AA flood or pond < 5 out of 10 years										

follows: P/P = permanent/perennial; S/I = seasonal/intermittent; and T/E = temporary/ephemeral [see manual for further definitions of these terms].

Comments: Wetlands consist of depressional features with large holding capacity.

14G.	SEDIMENT / NUTRIENT / TOXICANT / RETENTION AND REMOVAL NA (proceed to 14H)
	Applies to wetland with potential to receive sediments, nutrients, or toxicants through influx of surface or ground water or direct inpu
	If no wetlands in the AA are subject to such input, check the NA box and proceed to 14H.

i. Rating: Working from top to bottom, use the matrix below to select the functional point and rating.

Sediment, Nutrient, and Toxicant Input Levels within AA	AA receive has poten nutrients, such that substantia sedimenta toxicants, present.	tial to deliv or compou other funct Illy impaire tion, sourc	er sedime nds at lev ions are n d. Minor es of nutr	nts, els ot ients or	Waterbody is on MDEQ list of waterbodies need of TMDL development for "probable causes" related to sediment, nutrients, or toxicants or AA receives or surrounding la has potential to deliver high levels of sedimutrients, or compounds such that other functions are substantially impaired. Major sedimentation, sources of nutrients or toxior signs of eutrophication present.					
% Cover of Wetland Vegetation in AA	□≥	70%	⊠<	70%	□≥7	70%	□ <	70%		
Evidence of Flooding / Ponding in AA	☐ Yes	☐ No	⊠ Yes	□No	☐ Yes	□No	☐ Yes	☐ No		
AA contains no or restricted outlet			.7M							
AA contains unrestricted outlet										

Comments: <u>Vegetation cover in the wetlands greater than 70% and site has evidence of annual flooding. Pothole depressional wetlands with little to no outlets.</u>

14H. SEDIMENT / SHORELINE STABILIZATION NA (proceed to 141)

Applies only if AA occurs on or within the banks of a river, stream, or other natural or man-made drainage, or on the shoreline of a standing water body which is subject to wave action.

If 14H does not apply, check the NA box and proceed to 14I.

% Cover of Wetland Streambank or Shoreline by Species with Stability	Duration of Surface Water Adjacent to Rooted Vegetation							
Ratings of ≥6 (see Appendix F).	☐ Permanent / Perennial	☐ Seasonal / Intermittent	☐ Temporary / Ephemeral					
□ ≥ 65%								
□ 35-64%								
☐ < 35%								

Comments:

14I. PRODUCTION EXPORT / FOOD CHAIN SUPPORT

i. Level of Biological Activity: Synthesis of wildlife and fish habitat rates (select).

General Fish Habitat Rating	Genera	I Wildlife Habitat Rati	ng (14Ciii)
(14Diii)	⊠ E/H	■ M	□ L
☐ E/H			
⊠M	Н		
☐ L			
□ NA			

ii. Rating: Working from top to bottom, use the matrix below to select the functional point and rating. Factor A = acreage of vegetated wetland component in the AA; Factor B = level of biological activity rating from above (14li); Factor C = whether or not the AA contains a surface or subsurface outlet; the final three rows pertain to the duration of surface water in the AA, where P/P, S/I, and T/E were previously defined, and A = "absent" [see manual for further definitions of these terms].

Α		Vegeta	ated Co	mponent	t >5 ac	res	☑ Vegetated Component 1-5 acres							☐ Vegetated Component <1 acre						
В		☐ High ☐ Moderate ☐ Low						Low		☐ High		☐ Moderate		Low						
С	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No		
P/P							.9H													
S/I																				
T/E/A								-						-		-	-			

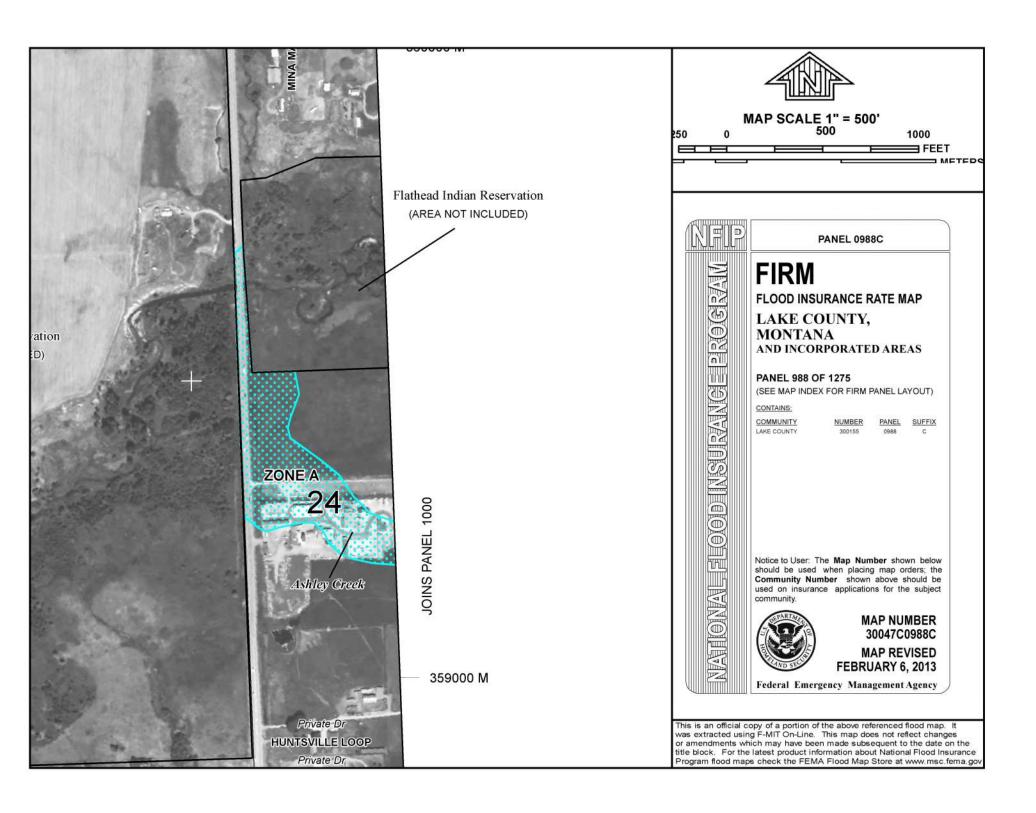
			VVCIIai	iu/Site #(3). <u>AA-3. W-1</u>	7,10,13,20,21	-24		
14I. PRODUCTION EXPORT / FOOD O	HAIN	SUPPORT (con	itinued)						
iii. Modified Rating: Note: Modified so	ore ca	nnot exceed 1.0	or be less that	n 0.1.					
Vegetated Upland Buffer: Area wi mowing or clearing (unless for weed Is there an average ≥ 50-foot wide v	contro	ol).			•	_	•	·	_
iv. Final Score and Rating: 1H Com	ments	:							
14J. GROUNDWATER DISCHARGE / Check the appropriate indicators i									
i. Discharge Indicators The AA is a slope wetland. Springs or seeps are known Vegetation growing during the Wetland occurs at the toe of Seeps are present at the word AA permanently flooded duty Wetland contains an outlet, Shallow water table and the Other:	dormar f a nat etland ring dr but no	nt season/drougl ural slope. edge. ought periods. o inlet.	ht.	☐ Pe	etland contain	ors trate present v s inlet but no o wn 'losing' stre	outlet.	, , ,	0 ,
iii. Rating: Use the information from i a	ınd ii a								=
		Duration of S <u>WITH W</u>	Saturation at <i>l</i> <u>/ATER THAT l</u>	AA Wetla S RECH	nds <u>FROM G</u> ARGING THE	ROUNDWATI GROUNDWA	ER <u>DISC</u> TER SYS	<i>HARGE</i> or STEM	
Criteria	_	⊠ P/P	<u></u> □ s	<u>/I</u>	T		☐ No	ne	<u> </u>
☐ Groundwater Discharge or Rech	arge	1H							-
Comments:									ı
14K. UNIQUENESS i. Rating: Working from top to bottom, Replacement Potential	AA of spring forest associations	contains fen, bongs or mature (sted wetland Officiation listed a	og, warm >80 yr-old) ⋜ plant	AA doe cited ra diversi contain	es not contain are types ANI ty (#13) is hig as plant asso	n previously O structural gh OR ciation	previou associa	es not contai usly cited rar ations AND s ty (#13) is lo	e types OR tructural
Estimated Deletive Abundance (#11)		MTNHP	□ Abundant		s "S2" by the				
Estimated Relative Abundance (#11) Low Disturbance at AA (#12i)	⊔ Ra	re Common	□ Abundant	⊔ Rare	Common	☐ Abundant	⊔ Rare	⊠ Common	□ Abundant
Moderate Disturbance at AA (#12i)								.3L	
☐ High Disturbance at AA (#12i)									
Comments: Low to moderate structural	divers	ity.		II-					
14L. RECREATION / EDUCATION PO Affords 'bonus' points if AA provide i. Is the AA a known or potential recre ii. Check categories that apply to the	TENTI. es a receation AA: [AL Creational or educations Educational/S Other:	al site? ⊠ YE	tunity. ES , go to	ii. 🔲 NO , cl	neck the NA bo	ox.	sumptive recr	eational
iii. Rating: Use the matrix below to sele						ı	16	 	a
		ial Recreational					Known	Potentia	<u> </u>
Public ownership or public easemer Private ownership with general publ					n required)		.2H		-
Private ownership with general public private or public ownership without					sion for publi	ic access			-
Comments:	307101		-,	, ,,,,,,,	publi			1	
15. GENERAL SITE NOTES:									

Function & Value Variables	Rating – Actual Functional Points	Possible Functional Points	Functional Units: Actual Points x Estimated AA Acreage	Indicate the Four Most Prominent Functions with an Asterisk
A. Listed / Proposed T&E Species Habitat	low 0.00	1.00		
B. MT Natural Heritage Program Species Habitat	mod 0.60	1.00		
C. General Wildlife Habitat	high 0.90	1.00		
D. General Fish Habitat	mod 0.40	1.00		
E. Flood Attenuation	NA	NA		
F. Short and Long Term Surface Water Storage	high 1.00	1.00		
G. Sediment / Nutrient / Toxicant Removal	mod 0.70	1.00		
H. Sediment / Shoreline Stabilization	NA	NA		
I. Production Export / Food Chain Support	high 1.00	1.00		
J. Groundwater Discharge / Recharge	high 1.00	1.00		
K. Uniqueness	low 0.30	1.00		
L. Recreation / Education Potential (bonus point)	high 0.20			
Total Points	6.1	9	Total	Functional Units
Percent of Possibl	e Score 68% (round	to nearest whol	e number)	

Category I Wetland: (must satisfy one of the following criteria; otherwise go to Category II) ☐ Score of 1 functional point for Listed/Proposed Threatened or Endangered Species; or ☐ Score of 1 functional point for Uniqueness; or ☐ Score of 1 functional point for Flood Attenuation and answer to Question 14E.ii is "yes"; or ☐ Percent of possible score > 80% (round to nearest whole #).
Category II Wetland: (Criteria for Category I not satisfied and meets any one of the following criteria; otherwise go to Category IV) Score of 1 functional point for MT Natural Heritage Program Species Habitat; or Score of .9 or 1 functional point for General Wildlife Habitat; or Score of .9 or 1 functional point for General Fish Habitat; or "High" to "Exceptional" ratings for both General Wildlife Habitat and General Fish/Aquatic Habitat; or Score of .9 functional point for Uniqueness; or Percent of possible score > 65% (round to nearest whole #).
☐ Category III Wetland: (Criteria for Categories I, II, or IV not satisfied)
Category IV Wetland: (Criteria for Categories I or II are not satisfied and all of the following criteria are met; if not go to Category III) "Low" rating for Uniqueness; and Vegetated wetland component < 1 acre (do not include upland vegetated buffer); and Percent of possible score < 35% (round to nearest whole #).
OVERALL ANALYSIS AREA (AA) RATING: Check the appropriate category based on the criteria outlined above.

NH 5-2(159)37 US 93 N – Post Creek Hill UPN 8008000

ATTACHMENT 3 – FEMA FIRM Panel



NH 5-2(159)37 US 93 N – Post Creek Hill UPN 8008000

ATTACHMENT 4 – THPO Correspondence





2701 Prospect Avenue PO Box 201001 Helena MT 59620-1001 Michael T. Tooley, Director Steve Bullock, Governor

April 26, 2016

Kim Swaney CSKT Preservation Department PO Box 278 Pablo, MT 59855

Subject: NH 5-2(159)37

US 93 N – Post Creek Hill

UPN 8008

Dear Kim:

The MDT has programmed a project to reconstruct 3.3 miles of US 93 from Reference Post 37.0 (just south of the intersection of Dublin Gulch and Big Horn roads) to Reference Post 40.3. A cultural resource survey was conducted for the project area (it updated the original 1992 survey) in 2015. Two historic properties were determined eligible for the National Register of Historic Places: the Post F Canal of the Flathead Irrigation Project (SKP-LA-0418) and the Weber Residence (SKP-LA-0230/24LA0156). The report was submitted to your office on November 19, 2015.

Preliminary plans for the proposed US 93 N – Post Creek Hill project have been completed and copies of the plans at the two historic properties are attached. The highway centerline would be shifted to the west at the Post F Canal. The alignment of the canal would be tweaked somewhat to accommodate a new culvert under US 93. Other than the culvert, there would be no other rechanneling or alignment shifts on the canal. It would continue to function in its historic capacity and there would be no reduction of the flow of water or any impacts to irrigation-related structures. Based on that, we have determined that the proposed project would have **No Effect** to the Post F Canal of the Flathead Irrigation Project.

The Weber Residence is located in the southeast quadrant at the intersection of US 93 and Post Creek Road. The centerline would be shifted about 25' to the west of the existing centerline and away from the historic property. A bicycle/pedestrian path would be built close to the former alignment of the highway. The residence, moreover is separated from the highway by a slough. The preliminary plans indicate that there would be no encroachment on the historic property and the existing buildings would remain in their existing locations and the setting of the property would be mostly perpetuated (it appears that the wall of vegetation between the site and the highway would be undisturbed). Because of that we have determined the project would have **No Effect** on the Weber Residence.

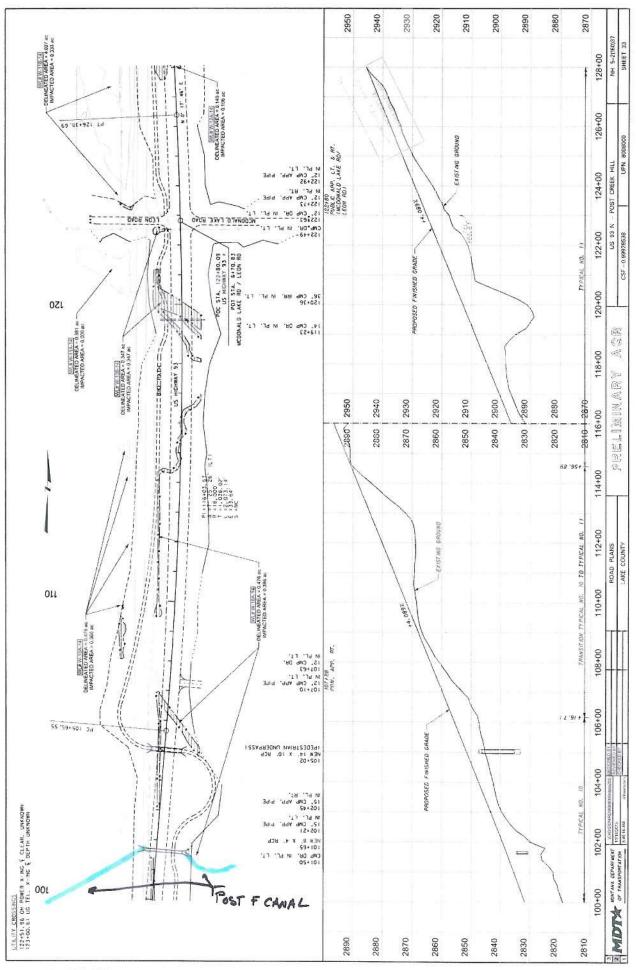
NH 5-2(159)37 US 93 N - Post Creek Hill Page 2

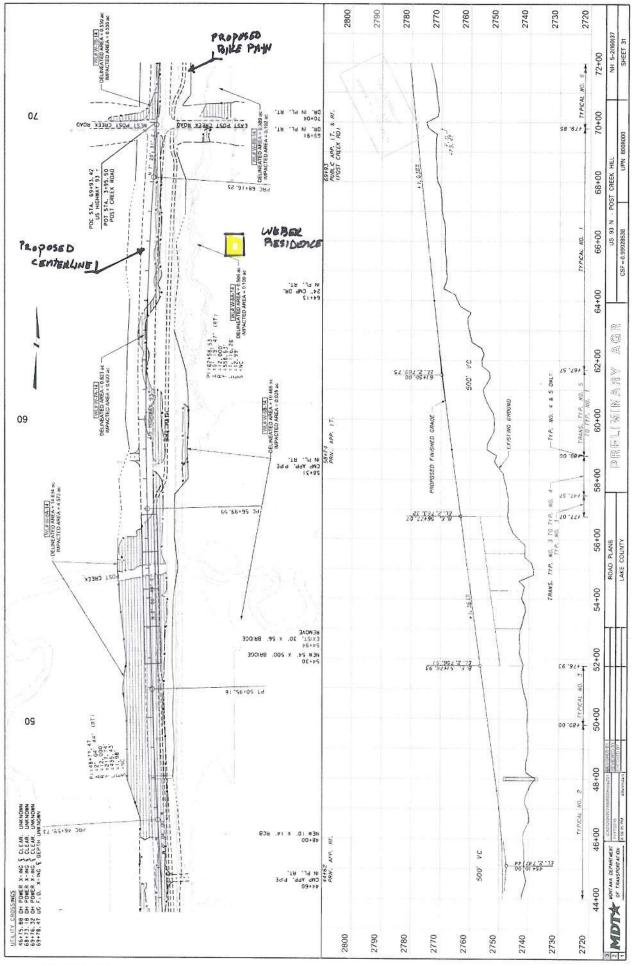
If you have any questions, please contact me at (406) 444-6258 or by e-mail at jaxline@mt.gov.

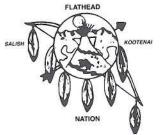
Jon Axline, Historian **Environmental Services**

Attachments

Copy: Ed Toavs, P.E., Missoula District Administrator Ryan Dahlke, P.E., Consultant Design Bill Semmens, Resources Section Supervisor







A Confederation of the Salish, Pend d' Oreille and Kootenai Tribes

THE CONFEDERATED SALISH AND KOOTENAI TRIBES OF THE FLATHEAD NATION

P.O. BOX 278

Pablo, Montana 59855 (406) 275-2700 FAX (406) 275-2806

www.cskt.org

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A People of Vision



MAY -6 2016

TRIBAL COUNCIL MEMBERS: Vernon S. Finley - Chairman Len Twoteeth - Vice Chair ENVIRONMENTAL Troy Felsman - Secretary Anita Matt - Treasurer Ronald Trahan Shelly R. Fyant Leonard W. Gray

> Carole Lankford Dennis Clairmont Patty Stevens

May 2, 2016

Jon Axline Montana Department of Transportation 2701 Prospect Avenue P.O. Box 201001 Helena, MT 59620-1001

Subject:

NH5-2(159) 37

Laurde Burk

Us 93 n - Post Creek Hill

UPN 8008

Dear Jon

I have read the project plans and can see that there will be no effect to the Post F Canal of the Flathead Irrigation so I concur that there will be No Effect as the project progresses. I have also read the project plans for the Weber Residence, and I concur that there will be No Effects to the Weber Residence.

If I could be of further assistance please don't hesitate to call me at (406)675-2700 x 1082.

Sincerely,

Clarinda Burke

Acting THPO

Breanne Cline

From: Breanne Cline

Sent: Tuesday, May 20, 2025 8:03 AM

To: Breanne Cline

Subject: RE: CSKT Cultural Agreement, Post Creek Hill

From: Madeline Caye < madeline.caye@cskt.org>

Sent: Monday, May 19, 2025 5:06 PM

To: Evilsizer, Laura < levilsizer@mt.gov

Cc: Kevin Askan < kevin.askan@cskt.org

Subject: [EXTERNAL] MDOT- Post Creek Hill

Hello Laura,

It was good to talk with you on the phone today. You had asked about the Post Creek Hill Project along Hwy 93. Since there has already been an extensive amount of work done on this project from our office, and it has already been determined this project will have no effect on cultural resources. I have no concerns with the structures that may be 50 years old. I am in concurrence with the project moving forward. However, our office would like to be contacted by the construction company to coordinate if and when monitors are needed.

Thank you,

Madeline Caye

Acting THPO CSKT Preservation (406) 675-2700 ext. 1215 (406) 214-4787 © madeline.caye@cskt.org

ATTACHMENT 5 – Section 4(f) De Minimis Letters

- a) CSKT Signed Letter
- b) FWP Signed Letter



Montana Department of Transportation

Steve Bullock, Governor

Michael T. Tooley, Director

2701 Prospect PO Box 201001 Helena MT 59602-1001

March 15, 2019

CSKT Tribal Council Attn: Ronald Trahan, Chairman P.O. Box 278 Pablo, MT 59855

Subject:

US 93 N Post Creek Hill and Ninepipe Section

Section 4(f) *De minimis* Determination Project Number: NH 5-2(159)37

Control Number: 8008000

Dear Chairman Trahan and Council Members:

This letter is intended as a follow up to ongoing discussions that have occurred between representatives of the Confederated Salish & Kootenai Tribes (CSKT), the Montana Department of Transportation (MDT), MDT's consultant, and the Federal Highway Administration (FHWA). MDT has been in periodic communication with the CSKT since our first meeting on this topic on March 29, 2017. Most recently we had a conference call discussing CSKT's owned and managed property on September 17, 2018, which clarified and confirmed CSKT's role as the "official with jurisdiction" of the Ninepipe Reservoir parcels being evaluated as part of the Section 4(f) process.

As you are aware, MDT is proposing to reconstruct US Highway 93 from reference post (RP) 36.8, just south of Redhorn Road, to RP 40.4, which is approximately 2000 feet north of Gunlock Road as part of the Post Creek Hill project (Control Number 8008000). Please refer to the attached Figure 1 for the Post Creek Hill project design limits.

The portion of US 93 from the northern end of the Post Creek Hill project to Brooke Lane (RP 44.5) that has not been reconstructed is referred to as the Ninepipe Section. This segment of US 93 is currently in the environmental analysis and planning stage and therefore is also being included with this Section 4(f) analysis.

Section 4(f) of USDOT Act of 1966

Section 4(f) of the U.S. Department of Transportation (USDOT) Act of 1966 prohibits USDOT agencies (including FHWA) from using land from publicly owned parks, recreation areas, and wildlife and water fowl refuges, unless there is no feasible and prudent alternative to that use and the action includes all possible planning to minimize harm to the property resulting from such a use. In 2005 existing Section 4(f) legislation was amended to simplify the Section 4(f) process and approval for projects that have *de minimis* impacts on lands subject to protection under Section 4(f). A *de minimis* determination may be made by FHWA when all three of the following criteria are satisfied:

1) The transportation use of the Section 4(f) resource, together with any impact avoidance, minimization, and mitigation or enhancement measures incorporated into

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Rail, Transit and Planning Division TTY: (800) 335–7592 Web Page: www.mdt.mt.gov CSKT Tribal Council Attn: Ronald Trahan, Chairman Page 2 of 4

the project, does not adversely affect the activities, features, and attributes that qualify the resource for protection under Section 4(f);

- 2) The public has been afforded an opportunity to review and comment on the effects of the project on the protected activities, features, and attributes of the Section 4(f) resource; and
- 3) The official(s) with jurisdiction over the property, after being informed of the public comments and MDT's/FHWA's intent to make the de minimis impact finding, concur in writing that the project will not adversely affect the activities, features, and attributes that qualify the property for protection under Section 4(f).

In this case, team members from CSKT, MDT, and FHWA have had many discussions regarding the potential impacts to CSKT lands that are also Section 4(f) lands. Based on those discussions, we have preliminarily concluded that the potential impacts are *de minimis* in nature. With this letter, we are seeking written concurrence from the CSKT, as the officials with jurisdiction over the properties in question. The potential impacts are described below.

4(f) Permanent Impacts/Occupancy - CSKT Tribal Lands

Based on current project design it is anticipated that Right of Way (ROW) acquisition will be necessary on specific CSKT owned properties that are protected under Section 4(f). These properties are Kerr Mitigation lands and the Ninepipe Reservoir National Wildlife Refuge (NWR). Enclosed are two exhibits that illustrate the proposed permanent grading impacts and associated ROW acquisition that would result from the proposed project. Specific impacts are located on Kerr Mitigation lands (parcels 123, 127) and NWR lands (parcels 201 and 202). For your reference, 100 series parcels are adjacent to the Post Creek Hill project and 200 series parcels are located adjacent to the Ninepipe Section planning area. Exhibits 1a through 1d show the areas of grading impact associated with road improvements, the bicycle/pedestrian path, and the Post Creek bridge/wildlife undercrossing on the Kerr Mitigation Lower Post Creek Management Units PSC2 and PSC2F and NWR lands. Exhibits 2a through 2d show the anticipated ROW acquisition from these parcels. A summary of impacts to these lands are:

- Acquisition of approximately 1.17 acres of Kerr Mitigation Land on parcels 123 and 127, and
- 0.75 acres of NWR land on parcels 201 and 202 for a total ROW acquisition of 1.92 acres for new highway*.

Refer to Table 1 for a summary of these impacts by parcel.

These permanent impacts are considered minor and do not appear to materially affect the use and function of the CSKT Tribal Mitigation and Ninepipe Reservoir NWR Lands. ROW would be acquired at fair market value by MDT in order to complete this project. Other actions such as new fencing, revegetation, grading, and wetland fill within the acquired ROW would be mitigated

^{*} Completion of the FHWA 4(f) process does not automatically obligate the property for ROW acquisition or constitute any specific ROW agreement. ROW acquisition will be formalized and completed after final design is complete and actual impacts and ROW requirements are determined. Actual ROW acquisition may be equal to or lower than this value.

March 15, 2019

CSKT Tribal Council Attn: Ronald Trahan, Chairman Page 3 of 4

in consultation with the CSKT by restoring vegetation, employing weed control methods, and replacing fencing as part of this project.

4(f) Temporary Occupancy – CSKT Tribal Lands

In addition to the above described permanent impacts, the following temporary impacts are also anticipated. Section 23 CFR 774.13(d) provides guidance on the conditions under which "temporary occupancies of land…are so minimal as to not constitute a "use" within the meaning of Section 4(f)." Those conditions are as follows:

- (1) Duration must be temporary, i.e., less than the time needed for construction of the project, and there should be no change in ownership of the land;
- (2) Scope of the work must be minor, i.e., both the nature and the magnitude of the changes to the Section 4(f) property are minimal;
- (3) There are no anticipated permanent adverse physical impacts, nor will there be interference with the protected activities, features, or attributes of the property, on either a temporary or permanent basis;
- (4) The land being used must be fully restored, i.e., the property must be returned to a condition which is at least as good as that which existed prior to the project; and
- (5) There must be documented agreement of the official(s) with jurisdiction over the Section 4(f) resource regarding the above conditions.

Temporary construction easements are anticipated for a detour bridge over Post Creek and equipment access during construction totaling approximately 1.79 acres on Parcel 127. There may also be minor temporary occupancies associated with placement or adjustment of approaches and culverts. As construction plans and negotiations with property owners are finalized, additional Section 4(f) properties may be similarly temporarily impacted.

In this case, team members from CSKT, MDT, and FHWA have had many discussions regarding the potential temporary impacts to CSKT lands that are also Section 4(f) lands. Based on those discussions, we have preliminarily concluded that the potential temporary impacts meet criteria 1 through 4 above and therefore would not constitute a "use" under Section 4(f). With this letter, we are seeking written concurrence from the CSKT, as the officials with jurisdiction over the properties in question. CSKT signature will satisfy condition 5 above.

Determination of a De Minimis Impact to a Section 4(f) Property

Public notice was given via ads in Ronan Valley Journal on January 16, 2019 and Char-koosta on January 17, 2019. Additionally, the public notice news release was issued on January 9 and 22, 2019. The public notice comment period was open from January 9, 2019, through February 20, 2019. Eleven comments were received from the public during this period. Seven of these letters were related to traffic and safety concerns associated with the Post Creek Hill Project, one letter concerned ownership of the NWR lands, one commenter wanted to know the total amount of ROW being acquired and project limits, one letter was from an adjacent business owner requesting information on the design and highway access planning, and one letter contained a list of three questions and one offer for sale of land but no specific comments. With the exception of the comment regarding ownership of the NWR lands, none of the written public

March 15, 2019

CSKT Tribal Council

Attn: Ronald Trahan, Chairman

Page 4 of 4

comment received contained comments or statements relevant to the Section 4(f) process and therefore do not provide any substantive new information that would alter MDT's evaluation of the impacts to these Section 4(f) parcels. These letters and emails are available to the CSKT upon request.

Request for Concurrence

We are respectfully requesting your concurrence that the proposed use of Section 4(f) resources will not adversely affect the viability of the CSKT Tribal Mitigation and Ninepipe Reservoir NWR Lands and your agreement with the proposed *de minimis* determination.

We would appreciate your prompt response since CSKT's concurrence is needed before we can complete the Final Section 4(f) Evaluation and the environmental document for this project. If you need additional information concerning the proposed project in the meantime, please contact me at 523-5842. Thank you for your continued cooperation and assistance.

Susan Kilcrease	
Missoula District Project Development Engineer MDT Environmental Services Bureau	Date: March 15, 2019
Concur: May Lor: Ronald Trahan, Chairman, CSKT Tribal Council	Date: 3 - 21 - 19
Heidy Bruner, P.E. FHWA Environmental Engineer and Tribal Liaison	Date: 3/24/19.
Enclosures: Figure 1. FSEIS Re-evaluation Limits Exhibits 1a through 1d. Grading Impacts to CEXhibits 2a through 2d. ROW Impacts to CEXHIBITIAN CONTRACTOR	

copies: Miki Lloyd, P.E. MDT, Consultant Design Bureau Project Manager (w/encl.)

Susan Kilcrease, Missoula District Project Development Engineer (w/encl.)

Mark Brooke, P.E., Morrison-Maierle, Consulting Environmental Engineer (w/encl.)

Table 1. Post Creek Hill and Ninepipe Section 4(f) Summary of Impacts

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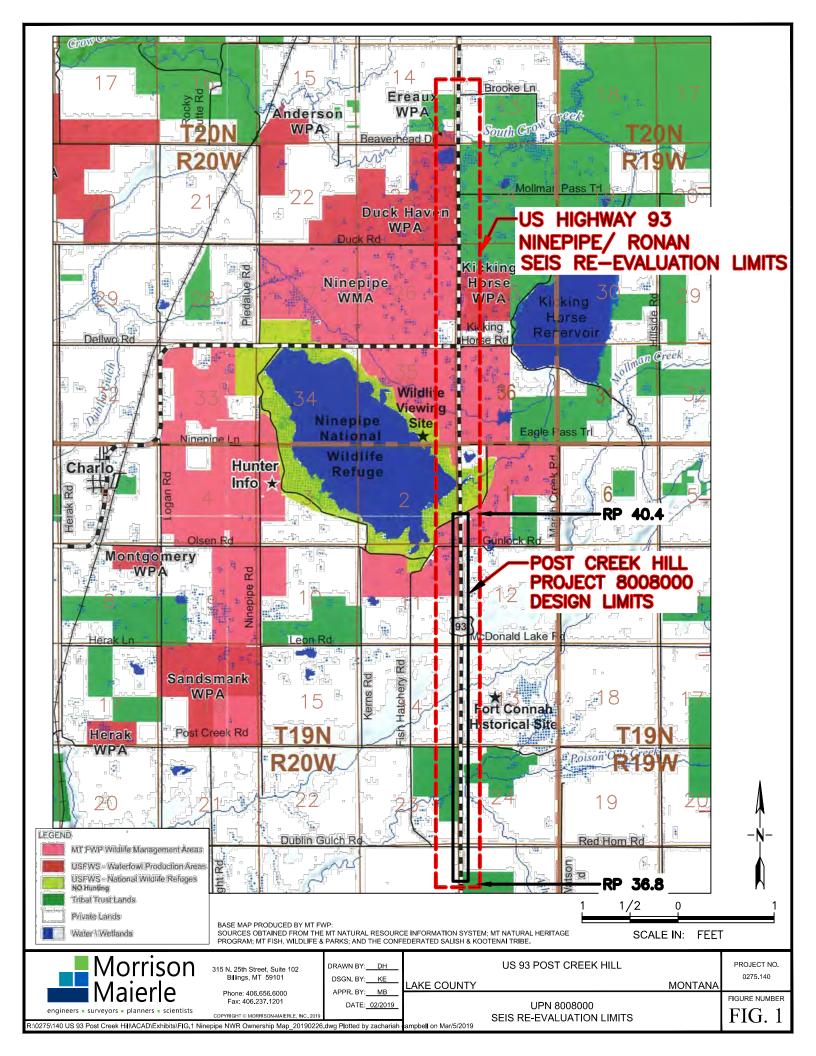




Exhibit 1a. Grading Impacts Kerr Mitigation Lower Post Creek Management Unit PSC2 Section 23, Township 19 N, Range 20 W

dashed red line is the additional grading limits resulting from 10' bicycle/pedestrian path



Grading impact on parcel 127

Exhibit 1b. Grading Impacts Kerr Mitigation Lower Post Creek Management Unit PSC2F Section 24, Township 19 N, Range 20 W

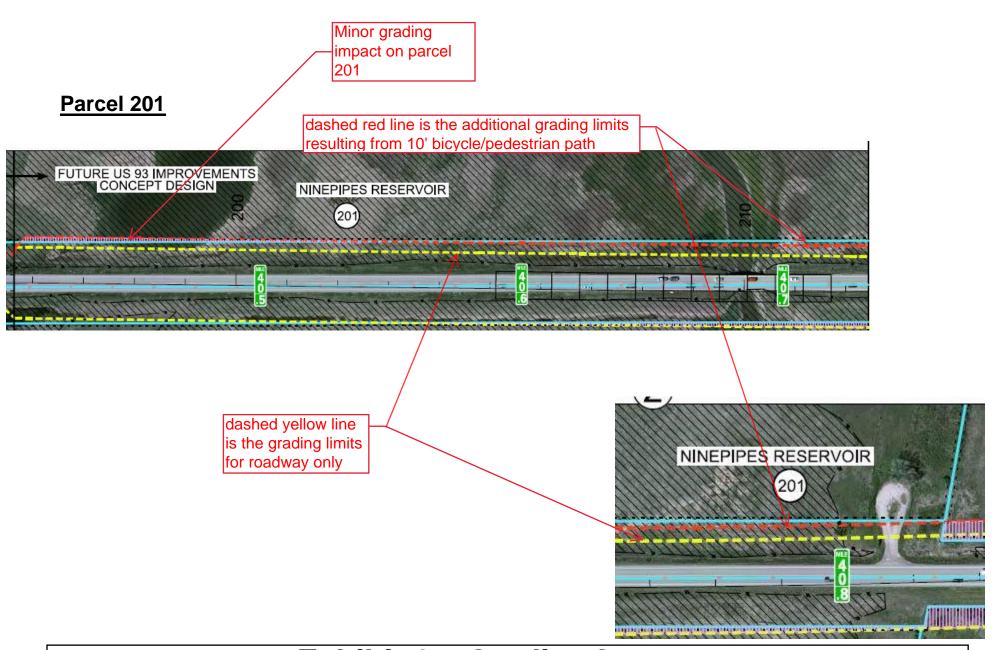


Exhibit 1c. Grading Impacts
Ninepipe Reservoir
Section 2, Township 19 N, Range 20 W

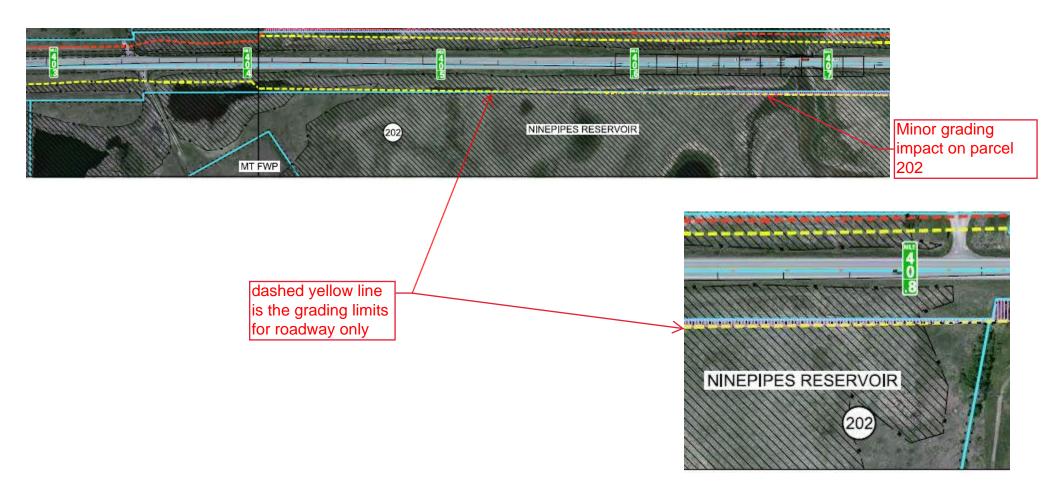
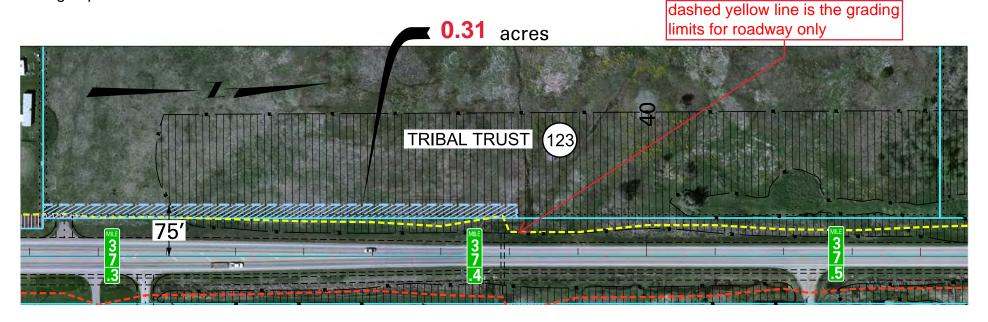


Exhibit 1d. Grading Impacts Ninepipe Reservoir Section 1, Township 19 N, Range 20 W

Parcel 123

Wetland Impacts: 0.001 ac Fencing Impacts: 700 Inft



PROPOSED ROW

Exhibit 2a. ROW Impacts Kerr Mitigation Lower Post Creek Management Unit PSC2 Section 23, Township 19 N, Range 20 W

Parcel 127

Wetland Impacts: 0.588 ac (perm.) 1.300 ac (temp.)

PROPOSED ROW

dashed red line is the additional grading limits

Fencing Impacts: 0 Inft

resulting from 10' bicycle/pedestrian path

100'
135'
PRIVATE

(127)

(129)

0.86 acres

1.79 acres

TRIBAL FEE

CONSTRUCTION PERMIT

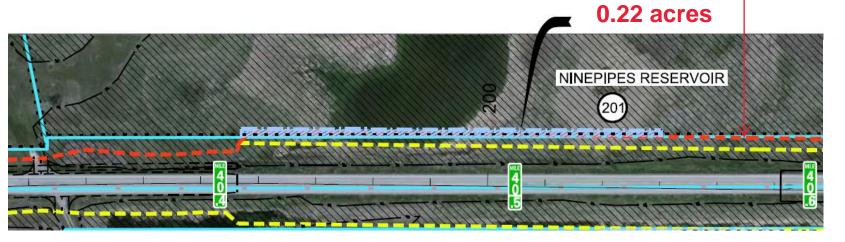
Exhibit 2b. ROW Impacts Kerr Mitigation Lower Post Creek Management Unit PSC2F Section 24, Township 19 N, Range 20 W

Parcel 201

Wetland Impacts: 0.083 ac* Fencing Impacts: 730 Inft*

dashed red line is the additional grading limits resulting from 10' bicycle/pedestrian path

*Final design will avoid or minimize impacts



PROPOSED ROW

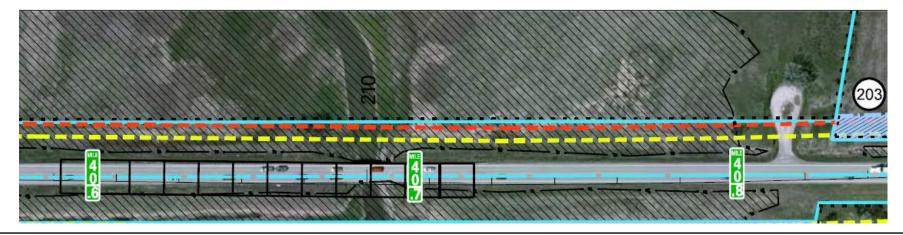


Exhibit 2c. ROW Impacts Ninepipe Reservoir Section 2, Township 19 N, Range 20 W

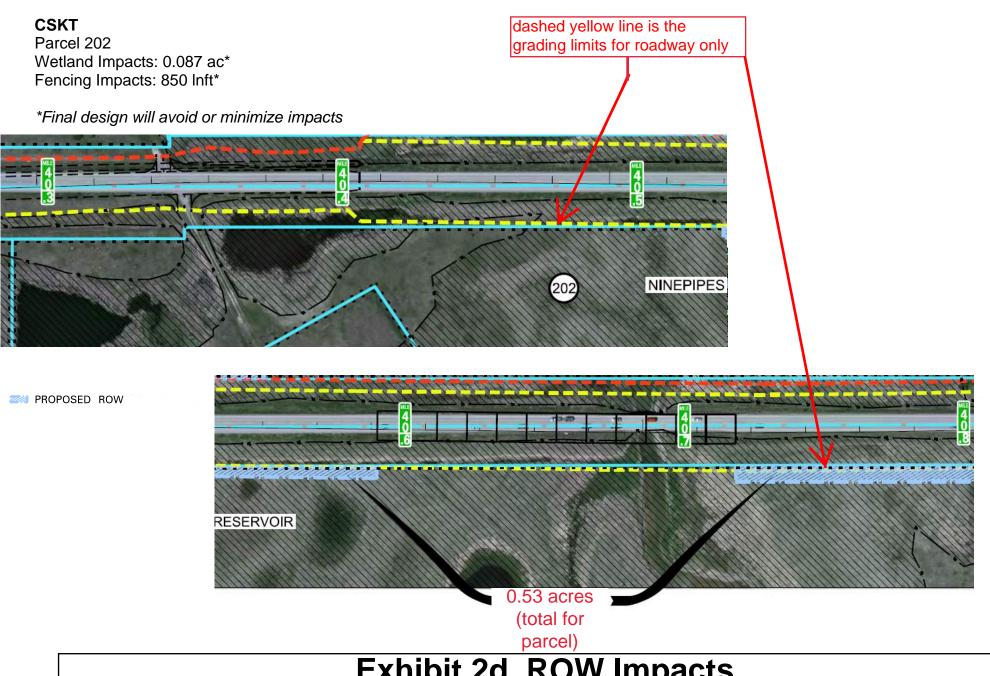


Exhibit 2d. ROW Impacts
Ninepipe Reservoir
Section 1, Township 19 N, Range 20 W

Parcel 202

Wetland Impacts: 0.087 ac* Fencing Impacts: 850 Inft*

*Final design will avoid or minimize impacts

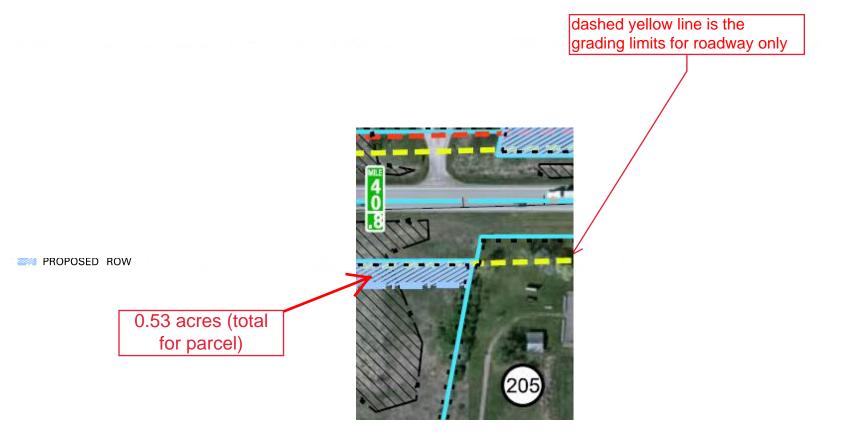


Exhibit 2d (continued). ROW Impacts
Ninepipe Reservoir
Section 1, Township 19 N, Range 20 W



Table 1. Post Creek Hill and Ninepipe Section 4(f) Summary of Impacts

Parcel	Name of Owner	Type of Property	Type of Transportation Use	Total Area (Acres)	Grading Impact Area (Acres)	Proposed ROW (Acres)	Construction Easement Area (Acres)	Geocode	Temporary Occupancy ¹	Wetland Impacts (Acres)	Fence (Feet)
123	USA in Trust (CSKT)	PSC2	Cross Drain	40.00	0.01	0.31		15-2868-23-1- 02-01-0000	Approach	0.001	700
127	USA in Trust CSKT	PSC2F	Bike/Ped Path and Bridge Fill	35.58	0.57	0.86	1.79	15-2868-24-2- 01-05-0000	Bridge Detour	0.588 (perm.), 1.30 (temp.)	
201	Ninepipe Reservoir (CSKT TR 6023)	Ninepipe NWR	Bike/Ped Path	153.00	0.08	0.22		15-2868-02-1- 01-03-0000	Approach	0.083	730
202	Ninepipe Reservoir (CSKT TR 6023)	Ninepipe NWR	US 93	137.54	0.21	0.53		15-2868-01-1- 01-08-0000	None	0.087	850

Notes: 1) Not all parcels with Temporary Occupancy Impacts listed in this table. This table only summarizies parcels with permanent impacts and then also identifies any anticipated temporary impacts for those parcels as well.



Montana Department of Transportation

Steve Bullock, Governor

Michael T. Tooley, Director

2701Prospect PO Box 201001 Helena MT 59602-1001

March 27, 2019

Montana Department of Fish Wildlife & Parks Attn: Jim Williams, FWP Region 1 Supervisor 490 North Meridian Road Kalispell, MT 59901

Subject:

US 93 N Post Creek Hill and Ninepipe Section

Section 4(f) *De minimis* Determination Project Number: NH 5-2(159)37

Control Number:

8008000

Dear Mr. Williams:

This letter is intended as a follow up to ongoing discussions that have occurred between representatives of the Montana Fish Wildlife and Parks (FWP), the Montana Department of Transportation (MDT), MDT's consultant, and the Federal Highway Administration (FHWA). MDT has been in periodic communication with the FWP since our first meeting on this topic on November 2, 2016. Most recently we had a conference call discussing potential impacts to FWP property on March 21, 2018 clarifying specific impacts to a portion of the Ninepipe Wildlife Management Area (WMA) resulting from the addition of a separated bicycle/pedestrian path and associated undercrossing.

As you are aware, MDT is proposing to reconstruct US Highway 93 from reference post (RP) 36.8, just south of Redhorn Road, to RP 40.4, which is approximately 2000 feet north of Gunlock Road as part of the Post Creek Hill project (Control Number 8008000). Please refer to the attached Figure 1 for the Post Creek Hill project design limits.

The portion of US 93 from the northern end of the Post Creek Hill project to Brooke Lane (RP 44.5) that has not been reconstructed is referred to as the Ninepipe Section. This segment of US 93 is currently in the environmental analysis and planning stage and therefore is also being included with this Section 4(f) analysis.

Section 4(f) of USDOT Act of 1966

Section 4(f) of the U.S. Department of Transportation (USDOT) Act of 1966 prohibits USDOT agencies (including FHWA) from using land from publicly owned parks, recreation areas, and wildlife and water fowl refuges, unless there is no feasible and prudent alternative to that use and the action includes all possible planning to minimize harm to the property resulting from such a use. In 2005 existing Section 4(f) legislation was amended to simplify the Section 4(f) process and approval for projects that have *de minimis* impacts on lands subject to protection under Section 4(f). A *de minimis* determination may be made by FHWA when all three of the following criteria are satisfied:

 The transportation use of the Section 4(f) resource, together with any impact avoidance, minimization, and mitigation or enhancement measures incorporated into

Environmental Services Bureau Phone: (406) 444–7228 Fax: (406) 444–7245 Rail, Transit and Planning Division TTY: (800) 335–7592 Web Page: www.mdt.mt.gov Montana Fish Wildlife & Parks Jim Williams, FWP Region 1 Supervisor Page 2 of 4

the project, does not adversely affect the activities, features, and attributes that qualify the resource for protection under Section 4(f);

- 2) The public has been afforded an opportunity to review and comment on the effects of the project on the protected activities, features, and attributes of the Section 4(f) resource; and
- 3) The official(s) with jurisdiction over the property, after being informed of the public comments and MDT's/FHWA's intent to make the *de minimis* impact finding, concur in writing that the project will not adversely affect the activities, features, and attributes that qualify the property for protection under Section 4(f).

In this case, team members from FWP, MDT, and FHWA have had many discussions regarding the potential impacts to the Ninepipe WMA that are considered Section 4(f) lands. Based on those discussions, we have preliminarily concluded that the potential impacts are *de minimis* in nature. With this letter, we are seeking written concurrence from FWP, as the officials with jurisdiction over the properties in question. The potential impacts are described below.

4(f) Permanent Impacts/Occupancy - Ninepipe WMA

Based on current project design it is anticipated that Right of Way (ROW) acquisition will be necessary on specific FWP owned properties that are part of the Ninepipe WMA which are protected under Section 4(f). Enclosed are two exhibits that illustrate the proposed permanent grading impacts and associated ROW acquisition that would result from the proposed project. Specific impacts are located on parcels 146, 147, 152, 203, 204, 207, and 214. For your reference, 100 series parcels are adjacent to the Post Creek Hill project and 200 series parcels are located adjacent to the Ninepipe Section planning area. Exhibits 1a through 1g show the areas of grading impact associated with road improvements and the bicycle/pedestrian path on the Ninepipe WMA. Exhibits 2a through 2g show the anticipated ROW acquisition from these parcels. A summary of impacts to these lands are:

• Acquisition up to approximately 6.54 acres of the Ninepipe WMA for highway ROW¹, Refer to Table 1 for a summary of these impacts by parcel.

These permanent impacts are considered minor and do not appear to materially affect the use and function of the Ninepipe WMA. ROW would be acquired at fair market value by MDT in order to complete this project. Other actions such as new fencing, revegetation, grading, and wetland fill within the acquired ROW would be mitigated in consultation with FWP by restoring vegetation, employing weed control methods, and replacing fencing as part of this project.

4(f) Temporary Occupancy - Ninepipe WMA

In addition to the above described permanent impacts, the following temporary impacts are also anticipated. Section 23 CFR 774.13(d) provides guidance on the conditions under which

¹ Completion of the FHWA 4(f) process does not automatically obligate the property for ROW acquisition or constitute any specific ROW agreement. ROW acquisition will be formalized and completed after final design is complete and actual impacts and ROW requirements are determined. Actual ROW acquisition may be equal to or lower than this value.

Montana Fish Wildlife & Parks Jim Williams, FWP Region 1 Supervisor Page 3 of 4

"temporary occupancies of land...are so minimal as to not constitute a "use" within the meaning of Section 4(f)." Those conditions are as follows:

- (1) Duration must be temporary, i.e., less than the time needed for construction of the project, and there should be no change in ownership of the land;
- (2) Scope of the work must be minor, i.e., both the nature and the magnitude of the changes to the Section 4(f) property are minimal;
- (3) There are no anticipated permanent adverse physical impacts, nor will there be interference with the protected activities, features, or attributes of the property, on either a temporary or permanent basis;
- (4) The land being used must be fully restored, i.e., the property must be returned to a condition which is at least as good as that which existed prior to the project; and
- (5) There must be documented agreement of the official(s) with jurisdiction over the Section 4(f) resource regarding the above conditions.

There may be minor temporary occupancies associated with placement or adjustment of approaches and culverts on FWP Section 4(f) parcels. As construction plans and negotiations with property owners are finalized, additional Section 4(f) properties may be similarly temporarily impacted.

In this case, team members from FWP, MDT, and FHWA have had many discussions regarding the potential temporary impacts to the Ninepipe WMA. Based on those discussions, we have preliminarily concluded that the potential temporary impacts meet criteria 1 through 4 above and therefore would not constitute a "use" under Section 4(f). With this letter, we are seeking written concurrence from FWP, as the officials with jurisdiction over the properties in question. FWP's signature will satisfy condition 5 above.

Determination of a De Minimis Impact to a Section 4(f) Property

Public notice was given via ads in Ronan Valley Journal on January 16, 2019 and Char-koosta on January 17, 2019. Additionally, the public notice news release was issued on January 9 and 22, 2019. The public notice comment period was open from January 9, 2019, through February 20, 2019. Eleven comments were received from the public during this period. Seven of these letters were related to traffic and safety concerns associated with the Post Creek Hill Project, one letter concerned ownership of Ninepipe National Wildlife Refuge (NWR) lands, one commenter wanted to know the total amount of ROW being acquired and project limits, one letter was from an adjacent business owner requesting information on the design and highway access planning, and one letter contained a list of three questions and one offer for sale of land but no specific comments. With the exception of the comment regarding ownership of the NWR lands, none of the written public comment received contained comments or statements relevant to the Section 4(f) process and therefore do not provide any substantive new information that would alter MDT's evaluation of the impacts to these Section 4(f) parcels. These letters and emails are available to FWP upon request.

March 27, 2019

Montana Fish Wildlife & Parks Jim Williams, FWP Region 1 Supervisor Page 4 of 4

Request for Concurrence

We are respectfully requesting your concurrence that the proposed use of Section 4(f) resources will not adversely affect the viability of the Ninepipe WMA and your agreement with the proposed *de minimis* determination.

We would appreciate your prompt response since FWP's concurrence is needed before we can complete the Final Section 4(f) Evaluation and the environmental document for this project. If you need additional information concerning the proposed project in the meantime, please contact me at 523-5842. Thank you for your continued cooperation and assistance.

relopment Engineer s Bureau Date: March 27, 2019
Date: March 18, 2019 Of Fish, Wildlife & Parks Regional 5 species
(
eer and Tribal Liaison Date: April 11, 2019
FIS Re-evaluation Limits
Date: March 18, 201 Of Fish, Wildlife & Parks Regional Supervisor Date: April 11, 201

Exhibits 1a through 1g. Grading Impacts to FWP Parcels Exhibits 2a through 2g. ROW Impacts to FWP Parcels

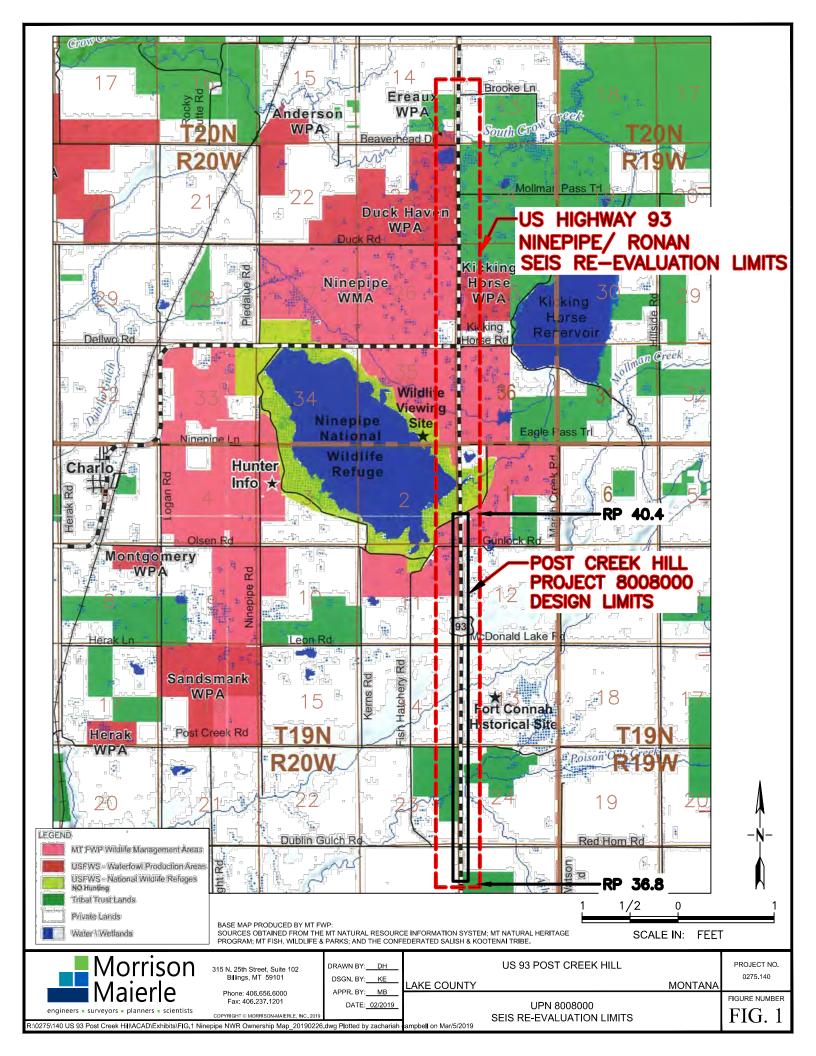
Table 1. Post Creek Hill and Ninepipe Section 4(f) Summary of Impacts

copies: Miki Lloyd, P.E. MDT, Consultant Design Bureau Project Manager (w/encl.)

Susan Kilcrease, Missoula District Project Development Engineer (w/encl.)

Mark Brooke, P.E., Morrison-Maierle, Consulting Environmental Engineer (w/encl.)

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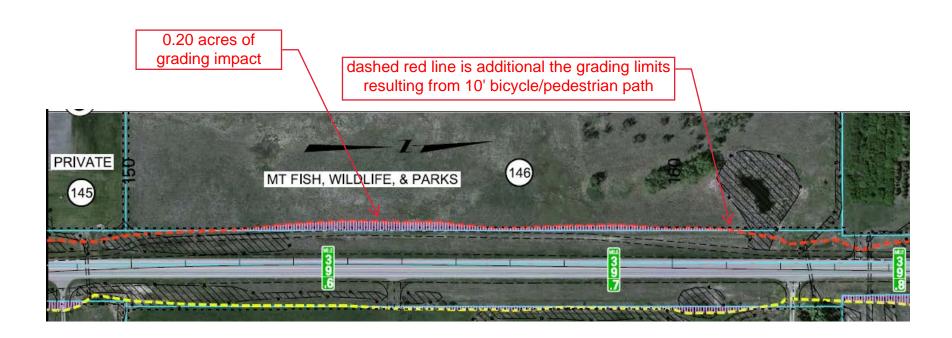


Exhibit 1a. Grading Impacts Ninepipe WMA Section 11, Township 19 N, Range 20 W

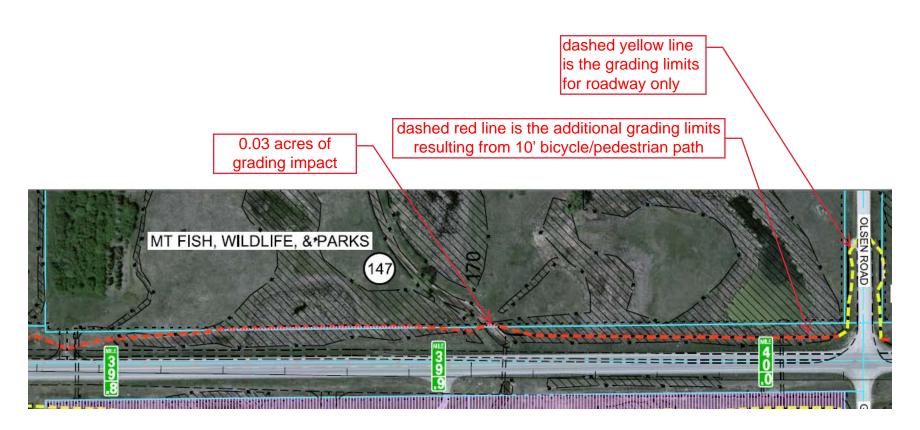


Exhibit 1b. Grading Impacts Ninepipe WMA Section 11, Township 19 N, Range 20 W



dashed yellow line is the grading limits for roadway only

0.01 acres of grading impacts related to turtle crossing culvert grading

MT FISH, WILDLIFE, & PARKS

Exhibit 1c. Grading Impacts Ninepipe WMA Section 1, Township 19 N, Range 20 W

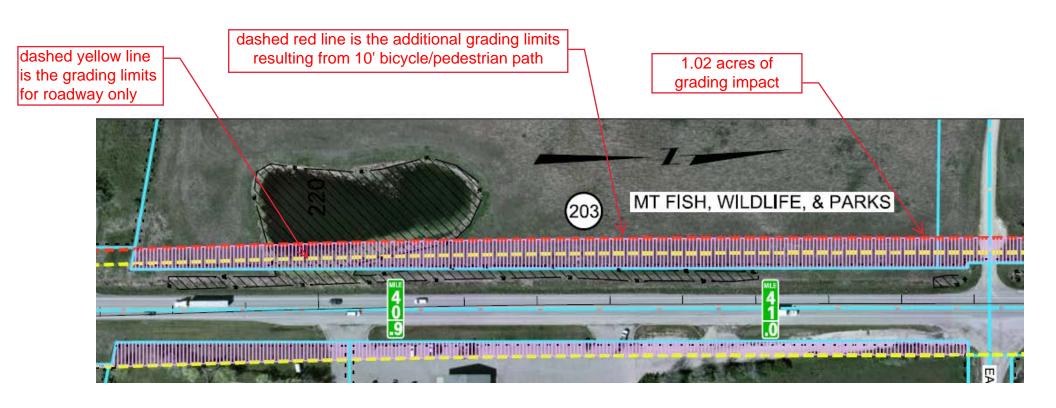


Exhibit 1d. Grading Impacts Ninepipe WMA Section 35, Township 20 N, Range 20 W

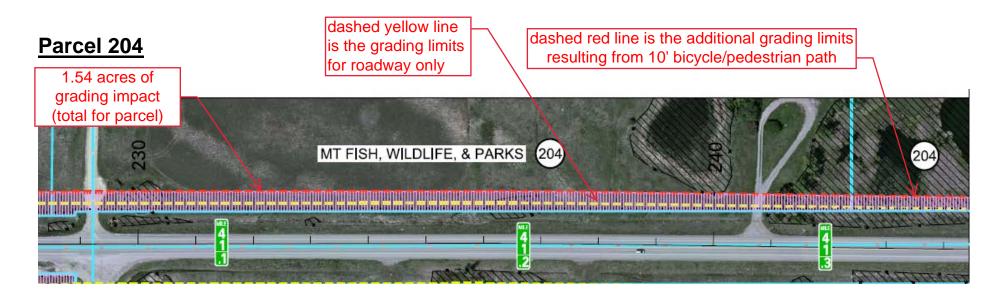




Exhibit 1e. Grading Impacts Ninepipe WMA Section 35, Township 20 N, Range 20 W



dashed yellow line is the grading limits for roadway only

dashed red line is the additional grading limits resulting from 10' bicycle/pedestrian path





Exhibit 1e (continued). Grading Impacts Ninepipe WMA Section 35, Township 20 N, Range 20 W



dashed yellow line is the grading limits for roadway only

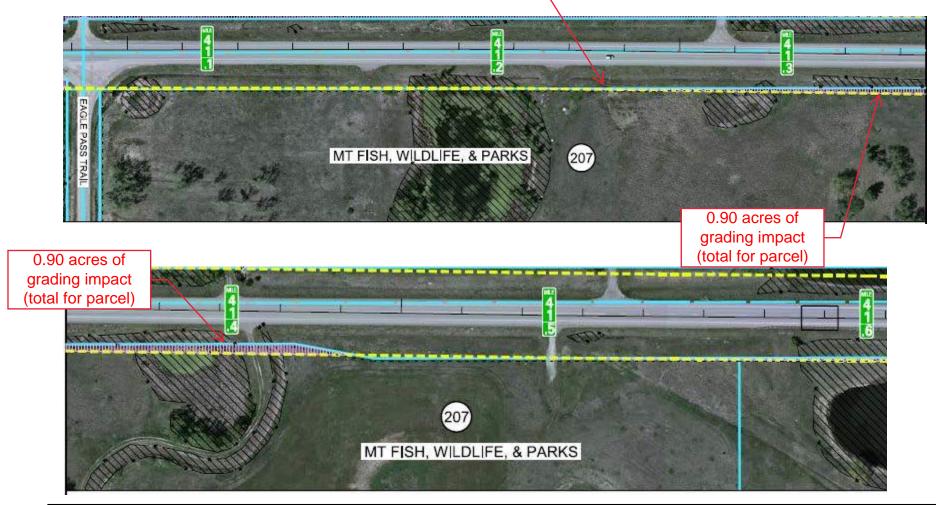


Exhibit 1f. Grading Impacts Ninepipe WMA Section 36, Township 20 N, Range 20 W

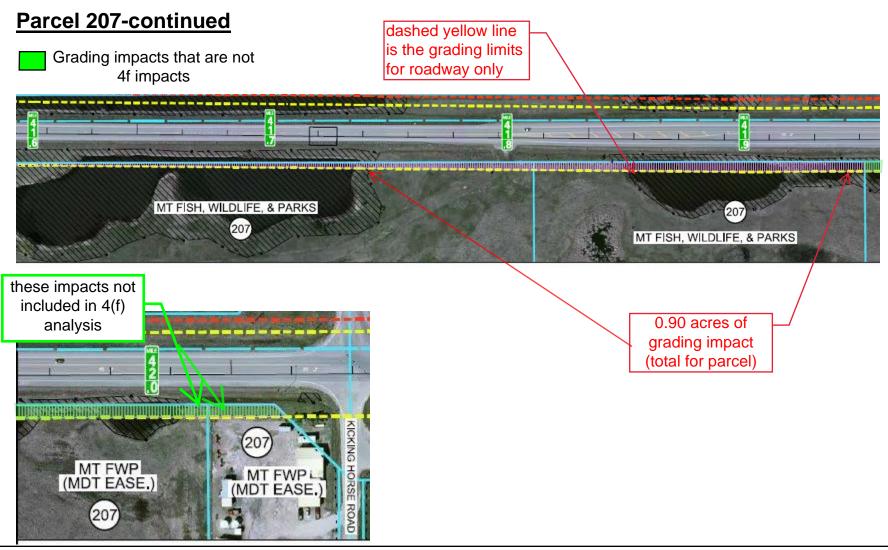
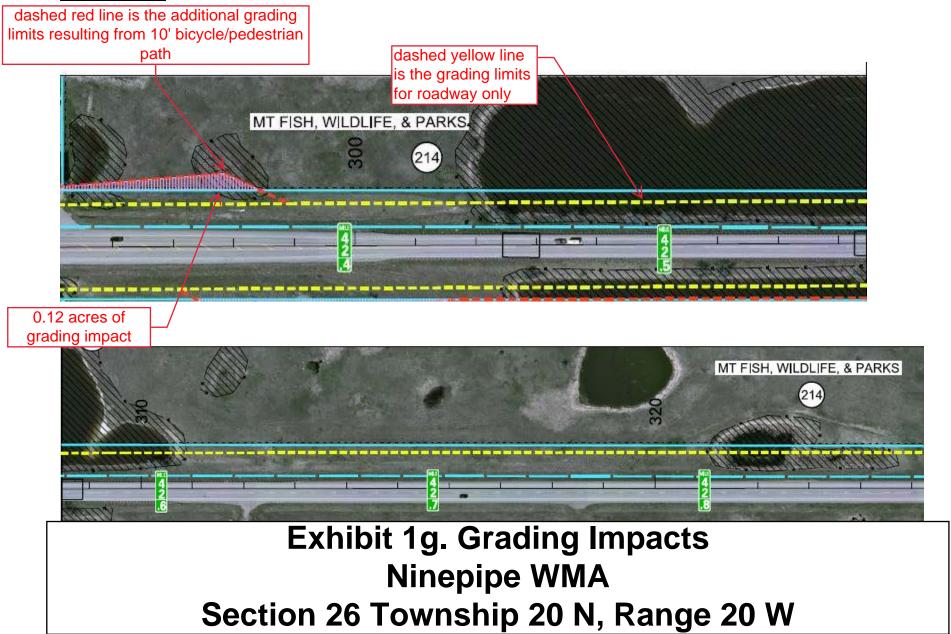


Exhibit 1f (continued). Grading Impacts Ninepipe WMA Section 36, Township 20 N, Range 20 W



Parcel 214-continued

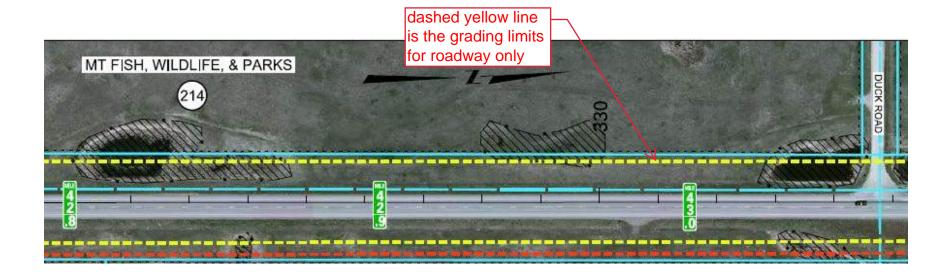


Exhibit 1g (continued). Grading Impacts Ninepipe WMA Section 26, Township 20 N, Range 20 W

FWP

Parcel 146

Wetland Impacts: 0.000 ac Fencing Impacts: 1,050 Inft

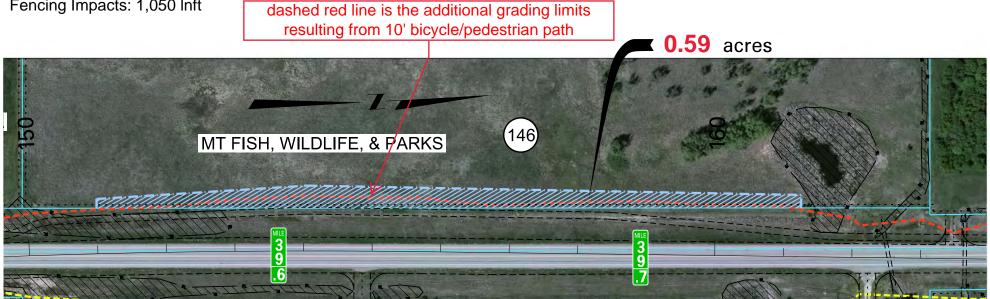




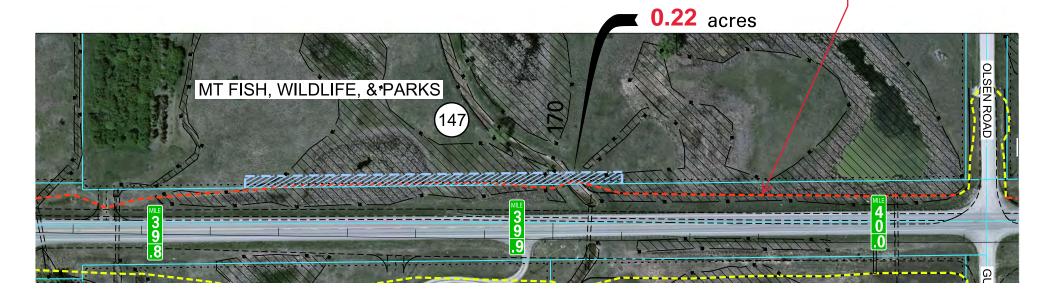
Exhibit 2a. ROW Impacts Ninepipe WMA Parcels Section 11, Township 19 N, Range 20 W

FWP

Parcel 147

Wetland Impacts: 0.025 ac Fencing Impacts: 360 Inft

dashed red line is the additional grading limits resulting from 10' bicycle/pedestrian path



PROPOSED ROW

Exhibit 2b. ROW Impacts Ninepipe WMA Parcels Section 11, Township 19 N, Range 20 W

FWP

Parcel 152

Wetland Impacts: 0.000 ac Fencing Impacts: 530 Inft

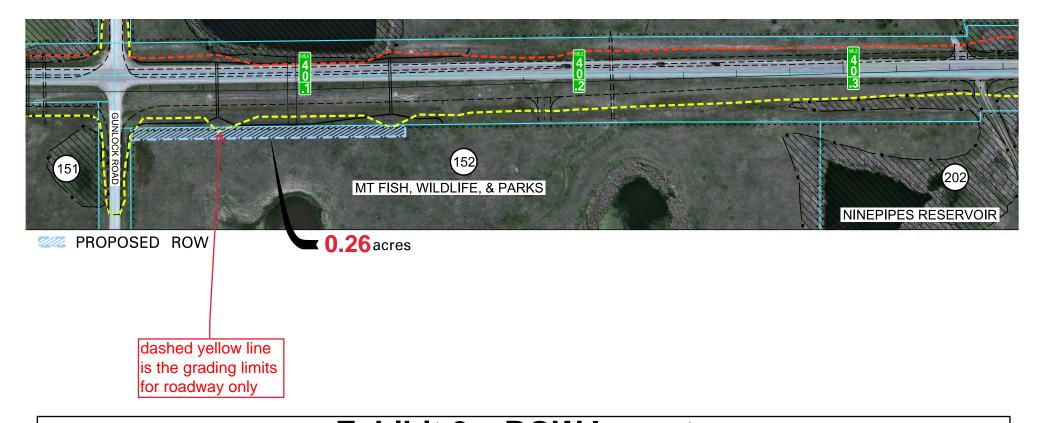


Exhibit 2c. ROW Impacts
Ninepipe WMA Parcels
Section 1, Township 19 N, Range 20 W



Parcel 203

Wetland Impacts: 0.142 ac* Fencing Impacts: 820 Inft*

dashed red line is the additional grading limits resulting from 10' bicycle/pedestrian path

*Final design will avoid or minimize impacts



PROPOSED ROW

Exhibit 2d. ROW Impacts Ninepipe WMA Parcels Section 35, Township 20 N, Range 20 W

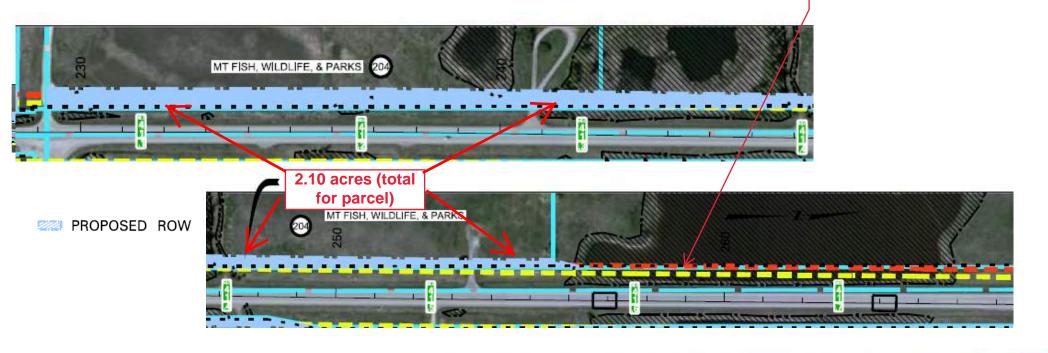
FWP

Parcel 204

Wetland Impacts: 0.468 ac* Fencing Impacts: 2,700 Inft*

*Final design will avoid or minimize impacts

dashed red line is the additional grading limits resulting from 10' bicycle/pedestrian path



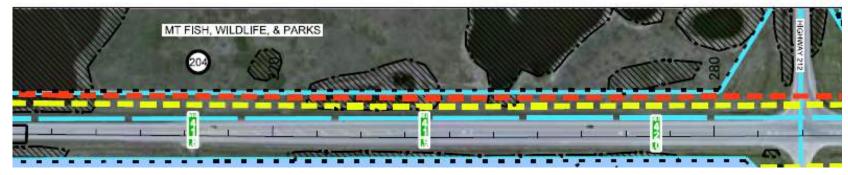


Exhibit 2e. ROW Impacts
Ninepipe WMA Parcels
Section 35, Township 20 N, Range 20 W

ROW acquisition **FWP** acres do not Parcel 207 include on these Wetland Impacts: 0.650 ac* easement parcels Fencing Impacts: 2,250 Inft* since these parcels are not *Final design will avoid or minimize impacts subject to 4(f) MT FISH, WILDLIFE, & PARKS PROPOSED ROW **1.79** acres MT FISH, WILDLIFE, & PARKS (total for parcel) MT FWP (MDT EASE, MT FWP (MDT EASE MT FISH, WILDLIFE, & PARKS

Exhibit 2f. ROW Impacts
Ninepipe WMA Parcels
Section 36, Township 20 N, Range 20 W

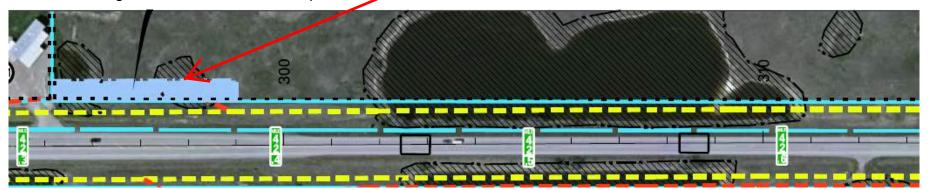
FWP

Parcel 214

Wetland Impacts: 0.056 ac* Fencing Impacts: 430 Inft*

*Final design will avoid or minimize impacts

0.37 acres



PROPOSED ROW

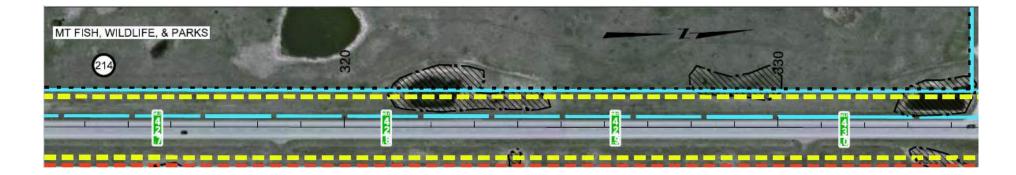
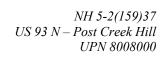


Exhibit 2g. ROW Impacts Ninepipe WMA Parcels Section 26, Township 20 N, Range 20 W



Parcel	Name of Owner	Type of Property	Type of Transportation Use	Total Area (Acres)	Grading Impact Area (Acres)	Proposed ROW Area	Geocode	Temporary Occupancy ¹	Wetland Impacts (Acres)	Fencing (Feet)
146	MT FWP	Ninepipe WMA	Bike/Ped Path	77.87	0.20	0.59	15-2868-11-1-02-04-0000	Approach & Irrigation Drainage	0.000	1050
147	MT FWP	Ninepipe WMA	Bike/Ped Path	49.67	0.03	0.22	15-2868-11-1-02-03-0000	Approach & 2 Irrigation Drainages	0.025	360
152	MT FWP	Ninepipe WMA	Gunlock Road & Turtle Culvert	137.54	0.01	0.26	15-2868-01-1-01-08-0000	Approaches (3)	0.000	530
203	MT FWP	Ninepipe WMA	US93 and Bike/Ped Path	12.49	1.02	1.21	15-2868-02-1-01-01-0000	None	0.142	820
204	MT FWP	Ninepipe WMA	US93 and Bike/Ped Path	295.46	1.54	2.10	15-2987-35-1-01-03-0000	Approaches (3) & Irrigation Drainage/Culvert	0.468	2700
207	MT FWP	Ninepipe WMA	US 93	310.99	0.90	1.79	15-2987-36-1-01-01-0000	Approach & Irrigation Drainage/Culvert	0.650	2250
214	MT FWP	Ninepipe WMA	Bike/Ped Path Undercrossing	266.56	0.12	0.37	15-2987-26-1-01-02-0000	None	0.056	430

Notes: 1) Not all parcels with Temporary Occupancy Impacts listed in this table. This table only summarizies parcels with permanent impacts and then also identifies any anticipated temporary impacts for those parcels as well.



ATTACHMENT 6 – Turtle Crossing Technical Memorandum



EXTERNAL MEMORANDUM

To: Mr. John P. Pavsek, PE

820 North Montana Ave., Suite A | Helena, MT 59601

Senior Transportation Engineer

Morrison Maierle 1 Engineering Place Helena, MT 59602

From: Mr. Mark A. Traxler

Wildlife Biologist

RESPEC

820 North Montana Ave., Suite A

Helena, MT 59601

Date: March 27, 2017

US 93 N - Post Creek Hill; PN INH 5-2(159)37; UPN 8008000 Subject:

Wildlife Mitigation - Turtle Crossing Technical Memorandum

In accordance with Activity 118 outlined in the approved Amendment 4 for the proposed Turtle Crossing scope of services, RESPEC has prepared this technical memorandum to discuss the need for wildlife mitigation, specifically for painted turtles (Chrysemys picta), within the limits of the proposed Also included are preliminary design considerations and US93 N - Post Creek Hill project. recommendations for turtle mitigation within the project limits.

Introduction

The Post Creek Hill project corridor is in Lake County, south of Ronan along US Highway 93 beginning in Sections 1 and 2 and ending in Sections 25 and 26, Township 19 North, Range 20 West. The project limits extend from Reference Post (RP) 36.8 on the south to RP 40.4 on the north. The RPs roughly correlate with the Red Horn Road crossing on the south end and a point approximately 2,000 feet north of the Gunlock/Olsen Road crossing on the north end.

With regard to wildlife mitigation within the Post Creek Hill project corridor, the SEIS included a 500 foot long, 2-lane bridge over Post Creek, a 10'x12' culvert south of Post Creek, a 12'x22' culvert just north of the Gunlock Road intersection, and associated guide fencing for all structures. These proposed structures were intended to benefit all wildlife species, with special consideration for threatened and endangered species including grizzly bears (Ursus arctos horribilis). A concept design review meeting was held on November 17, 2014 with representatives from MDT, Confederated Salish and Kootenai Tribes (CSKT), Federal Highways Administration (FHWA) and Morrison Maierle where several changes to the activities described in the scope of work from the SEIS were proposed. These proposed modifications to the project included replacing the 12'x22' wildlife crossing immediately north of Gunlock Road with a series of small culverts and guide fencing that would directly benefit painted turtles and other small reptiles, amphibians, and mammals. The 10'x12' culvert south of Post Creek was also eliminated from the design because of high groundwater in the project area.

Existing Conditions

The US Highway 93 corridor beginning at RP 40.0 (Gunlock/Olsen Road intersection) and extending approximately 2,000' north bisects a glaciated prairie pothole region associated with the Ninepipe National Wildlife Refuge and surrounding conservation lands owned and managed by Montana Fish, Wildlife, and Parks, and the Confederated Salish and Kootenai Tribes. The numerous scattered pothole wetlands provide habitat for a variety of birds, reptiles, amphibians, and small mammals. Ninepipe Reservoir, established by the Flathead Irrigation Project is located immediately north and to the west of this project's northern terminus.

The prairie pothole region bisected by US93 has long been known for its prolific painted turtle population and researchers from the University of Montana (Griffin 2007, 2015) and Salish Kootenai College have studied turtle movements in the highway corridor and documented the impacts from highway mortality. During wildlife field surveys conducted by RESPEC in September 2014 and November 2015, concentrations of road-killed painted turtles were documented from Gunlock Road north for approximately 400 feet and south of Gunlock Road for approximately 300 feet (Figure 1). There are currently no cross highway drainage features within the project segments documented to have road-killed turtles. Several hundred feet to the north of the project area is a bridge that spans a drainage feature that feeds Ninepipe Reservoir. This bridge is the only nearby feature where turtles can safely move from one side of US93 to the other. Turtle densities and road kills increase along US93 to the north of the study area where US93 currently bisects large prairie potholes (Griffin 2015). Seasonal movements between preferred habitat (prairie potholes) on both sides of US93 are known to occur within the project limits. Griffin's research indicates that Highway 93 is a semi-permeable barrier for painted turtles, where an estimated 6% to 16% of the population is killed annually on the roadway (Griffin 2007). Increasing permeability in the roadway corridor would help to ensure the long-term viability of this species into the future.

Design Considerations

Turtle movements and the resulting mortalities appear to be occurring specifically between pothole wetlands located east and west of US93. Design considerations are based on the premise that turtles are making direct movements between potholes and locations of turtle mitigation should be designed based on predicted movement patterns and known mortalities. Figure 1 shows the locations where turtle mortalities were documented by RESPEC during field surveys in 2014 and 2015 and arrows indicating predicted direction of travel by painted turtles on the landscape. It should be noted that movement patterns are predicted based on the location of suitable pothole wetlands and the locations of documented mortalities on US93. Based on these elements, RESPEC along with the Morrison Maierle/KLJ design team, and MDT Environmental Services staff have sorted through the available mitigation options and are proposing three turtle crossing structures and associated fencing to guide turtles to constructed crossings.

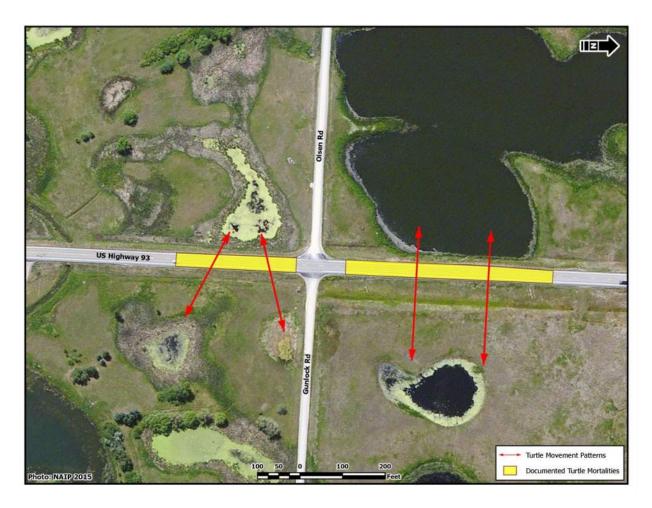


Figure 1: Turtle Movement Patterns and Documented Mortalities

In her 2007 PhD dissertation, Kathy Griffin presented a variety of turtle crossing design options and methods to be considered during the design and reconstruction of US93 through the Ninepipe corridor. Many of those recommendations were taken into consideration. Additionally, the design team, including MDT, came up with specific criteria to be used in mitigation design. Specifically, the turtle crossing design should consider the following:

- Annual Maintenance: Minimize time commitment and expense.
- Durability: 75 year expected life with little annual maintenance.
- Safety: Safe for the traveling public in the event of an off-road accident.
- Effectiveness: Ensure use by target species.
- Drainage: Design should not interfere with natural runoff and roadside drain ditch effectiveness.

Figure 2 shows the proposed location of the three proposed turtle crossing culverts and the associated guide fencing. Culvert and guide fence details are discussed in greater detail below.



Figure 2: Proposed Turtle Crossing Culvert Locations and Associated Guide Fence

Roadside Safety

Consideration of roadside safety is a factor when designing the future turtle culverts and guide fence. The fence and culverts would be located well outside of the clear zone close to the ditch bottom on the east side of the highway. On the west side of the highway, the future shared us path will need to butt up to the roadway shoulder to avoid impacting wetlands and waterbodies. In these areas, there will need to be a guard rail separating motorists from pedestrians. The presence of the turtle guide fence on the west side of the roadway therefore does not present a hazard to motorists. The design will consider pedestrian rails on or near the wildlife guide fence.

Culvert Design

Currently there are no cross-highway culverts in the vicinity of the three proposed crossings shown in Figure 2, indicating that natural runoff and flow is not a concern in this area. Turtle crossing culverts should be designed for the intended purpose of helping turtles move between habitat on both sides of the road and not necessarily to serve as a conduit for runoff. Turtle crossing are proposed near Stations 174+80, 178+60, and 180+50. Depending on cost and constructability, culverts designed of concrete (preferred) or corrugated steel should be considered. The goal is to provide a natural bottom substrate

using open-bottomed or buried culverts. At a minimum, the culverts should be at least 3 feet high and 4 feet wide. Taller and wider culverts are preferred so as to encourage use by turtles. A number of factors will go into final design including dimensions that fit within the proposed road prism, constructability (providing a natural bottom substrate), and cost. Culvert design should be compatible with and naturally tie into the guide fencing.

Fencing

The literature discusses a variety of different fencing options which each have their own benefits and drawbacks. In order to meet the criteria listed above, a guide fence made of concrete appears to be the most durable, effective, and low maintenance option of those discussed in the literature. Figure 3 below is an artistic rendering of a concrete box culvert with lipped concrete guide fencing. Because painted turtles and other small mammals, reptiles, and amphibians are very good climbers, a lipped guide fence is important for keeping animals from climbing over. The example below shows a 3-foot lipped concrete guide fence which is slightly larger than what would be needed for painted turtles in the project area. A guide fence that is 18-24 inches is sufficient for this project.

In an effort to prevent turtles and other wildlife from end-running the guide fence, we have proposed lipped concrete guide fencing that turns back at the end points such that it is perpendicular to US93. On the south end, the proposed guide fence would tie into an existing irrigation ditch that will be perpetuated with reconstruction of US93. The irrigation ditch serves as another crossing point for turtles in this area. To ensure the guide fencing does not interfere with periodic flow in the roadside ditch, the design team will work to minimize or eliminate this risk. The total length of guide fence being proposed, including both sides of the road is approximately 2,960 feet (1,480 feet per side). Additionally, the guide fence will likely occur outside the identified clear zone for this project.



Figure 3: Paynes Prairie Ecopassage (Florida) – Artist rendition. Concrete Wall with Lip. Photo: D. Forsyth.

Other options that were considered for guide fencing but discounted for various reasons include: mesh or chain link fencing, common silt fabric, galvanized steel rail, guardrail, and Animex technologies (patented). Each of these options has their own merits and drawbacks that were considered for this

project. Ultimately, a lipped concrete guide fence was chosen because of the low annual maintenance, durability, aesthetics, and anticipated effectiveness in this environment.

Conclusions and Recommendations

After careful review of the literature and discussions between the design team and MDT staff, it has been determined that three culverts will be installed to serve as crossings for turtles. Culverts will be 3'x4' or larger and will include a natural substrate bottom of earthen materials. Lipped concrete guide fence between 18-24 inches tall will be designed between culverts and for a distance far enough south to tie into an existing irrigation facility and to a point approximately 200 feet north (Station 182+50) of the northern most culvert (Station 180+50). The final culvert and guide fence size, type, and location will be determined as design progresses and will take into consideration cost, maintenance, safety, constructability, and potential drainage related issues. The following table provides estimated costs associated with bottomless arch pipes on footings at the three crossings and a 24" retaining wall guide fence. The estimated total cost associated with the turtles crossing based on these dimensions is approximately \$260,108.

		Bott	omless Arc	h Pipe	
	Length (ft)	Height	Width	Cost	Cost w/ Labor
1	109.6	3'-0"	4'-0"	\$55,896.00	\$69,870.00
2	90.2	3'-0"	4'-0"	\$46,002.00	\$57,502.50
3	95.3	3'-0"	4'-0"	\$48,603.00	\$60,753.75
				Total	\$188,126.25

	24'	' Retaining	Wall
Length (ft)	Width (in)	Area (ft²)	*Cost
2879.25	6.00	1439.63	\$71,981.25

Total \$260,108

References

Barichivich, W.J. and C.K. Dodd, Jr. 2002. The effectiveness of wildlife barriers and underpasses on U.S. Highway 441 across Paynes Prairie State Preserve, Alachua County, Florida. Phase II Post-Construction Final Report, Florida Department of Transportation Contract No. BB-854. July 2002. Pp 37.

Griffin, K. 2015. State-wide Grouse Conservation Coordinator. Colorado Parks and Wildlife. Telephone and email communication with Mark Traxler. November 2015.

Griffin, K. 2007. Spatial Population Dynamics of Western Painted Turtles in a Wetland Ecosystem in Northwestern Montana. Doctor of Philosophy in Fish and Wildlife Biology Dissertation. University of Montana. Missoula, MT. Fall 2007.

^{*}Includes Labor