

Inspection Photos

06/26/2024

Operator: PETROLEUM RESOURCE
MANAGEMENT CORP - 10421

Location ID: 485573

Inspection Doc: 696205931

Moffat County, CO

Aaron Trujillo
NW Reclamation Specialist
CECMC



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Inspection Photos

Operator Name: PETROLEUM RESOURCE MANAGEMENT CORP - 10421

Location ID: 485573



Photo 1: Photos 1-2 taken from the southeastern end of the Location's working pad surface west end of the Location. Photos provide an overview of the Location from southwest, northwest, north to northeast.



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Photo 2: See comments under photo 1.



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Photo 3: Photos taken from the southeastern edge of the working pad surface. Photo shows ~2 foot deep cracks forming on the Location.



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Photo 4: Continued from photo 3. Cracks also evident within the fill slopes. Soil migration and stabilization concerns exist.



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Photo 5: Photos taken from the cut slopes on the east end of the Location. Operator has implemented erosion blankets on the cut and fill slopes of the Location; blankets have not been installed or maintained in proper functioning condition; blankets have not been properly overlapped, have been secured with metal stakes rather than wooden or biodegradable stakes, and are not in full contact with the soil; erosion, degradation and sediment transport observed.



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Photo 6: See comments under photo 5. Erosion blankets on the cut and fill slopes are not in full contact with the soil; erosion, degradation and sediment transport observed.



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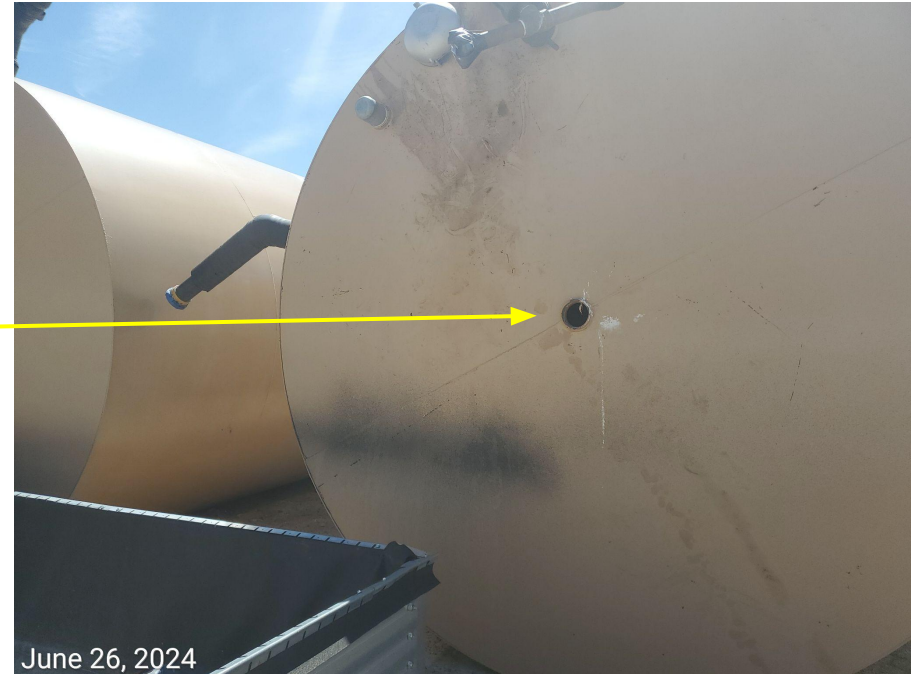
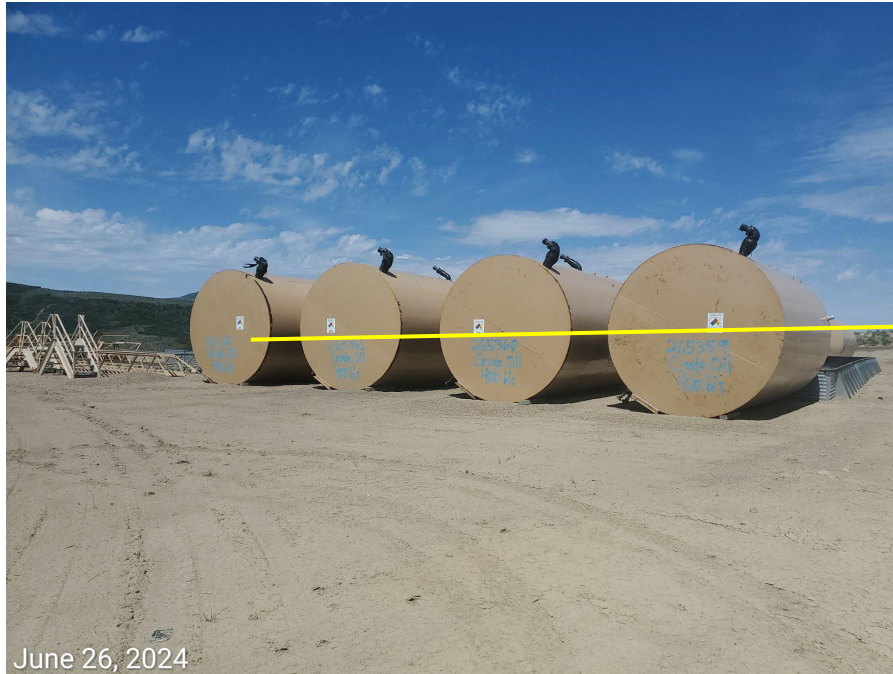


Photo 7: Photo right shows tank on Location missing proper covering, or other BMPs to prevent access by wildlife, including birds and bats.



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Photo 8: Photos taken from the west end of the Location. Photo shows vertical heater treater that was not properly secured down, and has since been “blown over”. Damage to the equipment evident.



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Photo 9: Photos taken from the topsoil stockpile on the north end of the Location. Weed establishment (Cheatgrass) observed.



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Photo 10: Photos show the 2 outlets from the stormwater diversion ditch on the northwestern and southeastern ends of the Location. BMPs have not been constructed in conjunction with sediment traps to allow for sediment drop out prior to stormwater discharging from the Location. Photos also shows the BMPs (Including the ditch/berm) have been constructed with topsoil material. Sediment (lighter soils) due to erosion from the fill slopes observed comingling with the topsoil.



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Photo 11: Photos taken from the stormwater diversion ditch on the west end of the Location. Photo shows sediment due to erosion from the fill slopes have filled the ditch.



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Photo 12: Photos examples showing erosion degradation occurring at the fill slopes of the Location. Lighter soil (circle) is sediment deposition due to erosion (see photo 11)



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Photo 13: Photos examples showing erosion degradation occurring at the fill slopes of the Location; BMPs to manage runoff from the pad missing or insufficient. Lighter soils (circle) is sediment deposition due to erosion.



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Photo 14: Photo example show what appear to be gullies beneath the erosion blankets. Hard-hat for reference.

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Photo 15: Photos taken from the access road. BMPs to minimize erosion, degradation and sediment transport missing or insufficient along slopes of the access road.



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Photo 16: Photos show signage missing from the Location entrance and access road.



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Photo 17: Photos taken from the access road and stream crossing associated with the Flowline System construction. Previous inspection identified stream as “Slater Creek”; CORRECTION-this crossing is located ad “Beaver Creek”, approximately ¼ mile upstream from Slater Creek. Photos show road has not been constructed with a properly engineered stream cross.



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Photo 18: Photos show trash/debris along the access road, including a degraded erosion log within the stream.



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Photo 19: See comments under photo 17. Photos example showing erosion logs that have not been installed or maintained in accordance with good engineering practice.



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Photo 20: Photos taken from the Flowline System disturbance. Operator had installed silt fence along the toe of the slopes adjacent to the pipeline stream crossings. Work to repair the BMP is evident, however control has not been re-installed per good engineering practices and/or has not been maintained per good engineering practice.



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Photo 21: See comments under photo 20.



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Photo 22: Photos example showing BMPs implemented at the Flowline System disturbance; controls include mulch, erosion blankets, silt fence and erosion logs. Photo examples showing erosion blankets have not been installed or maintained per good engineering practice.



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PRM Welby Peak Issue Report

Created on July 1, 2024

Captured on June 26, 2024



Type	Count
Observation	18

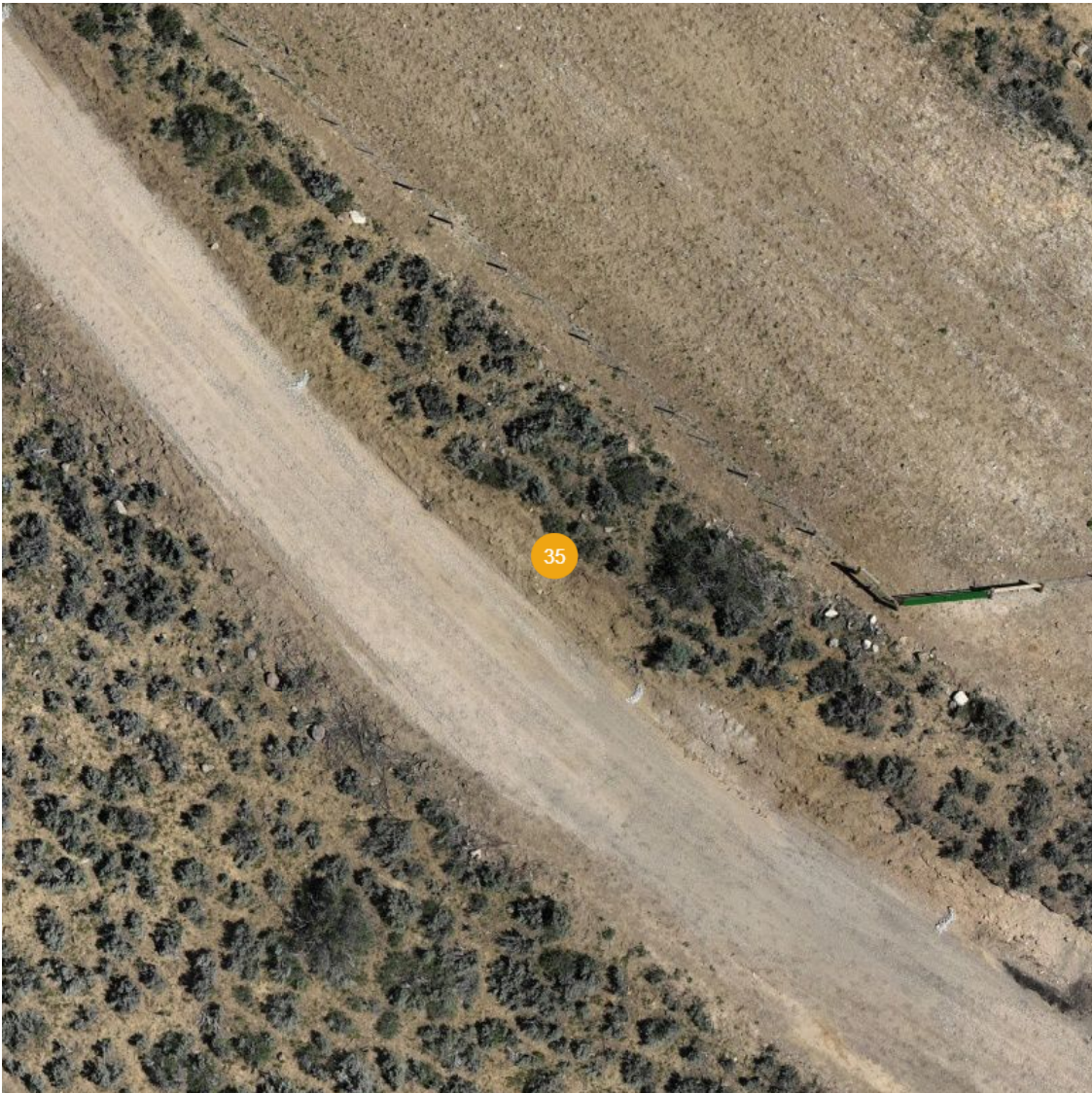
No.	Type	Severity	Created	Status	Cost of Repair
13	 Observation	—	June 28, 2024	Open	—
14	 Observation	—	June 28, 2024	Open	—
15	 Observation	—	June 28, 2024	Open	—
16	 Observation	—	June 28, 2024	Open	—
17	 Observation	—	June 28, 2024	Open	—
19	 Observation	—	June 28, 2024	Open	—
20	 Observation	—	June 28, 2024	Open	—
21	 Observation	—	June 28, 2024	Open	—
22	 Observation	—	June 28, 2024	Open	—
23	 Observation	—	June 28, 2024	Open	—
26	 Observation	—	June 28, 2024	Open	—
29	 Observation	—	June 28, 2024	Open	—
30	 Observation	—	July 1, 2024	Open	—
31	 Observation	—	July 1, 2024	Open	—
32	 Observation	—	July 1, 2024	Open	—
33	 Observation	—	July 1, 2024	Open	—
34	 Observation	—	July 1, 2024	Open	—
35	 Observation	—	July 1, 2024	Open	—

Total: \$0.00

35 - Observation

Open

Jun 26, 2024 at 11:02am



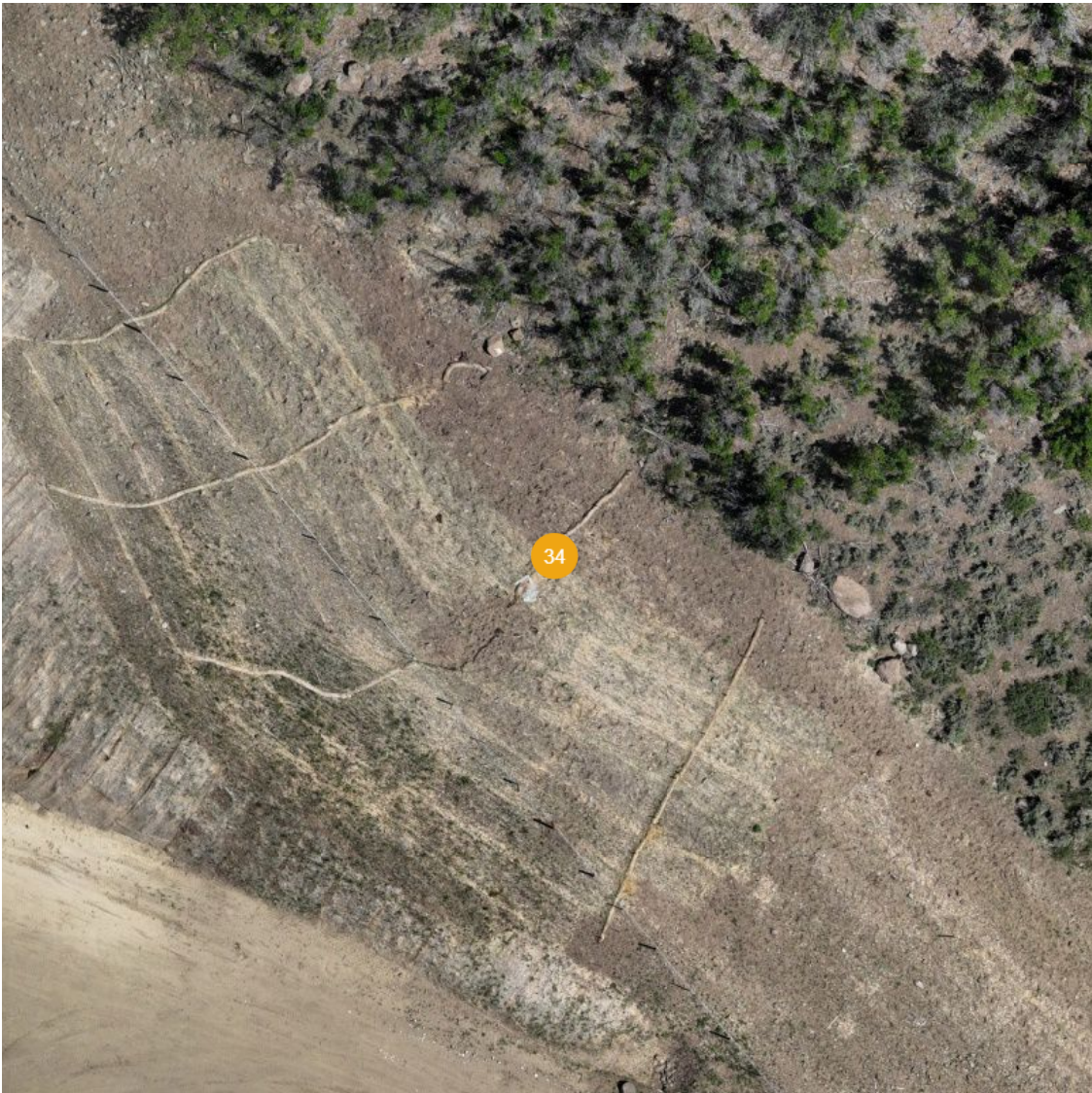
Details

Summary:	BMPs to minimize erosion, degradation and sediment transport missing or insufficient at slopes.		
Created:	Jul 1, 2024, 2:48pm by Aaron Trujillo		
Cost of Repair:	—		
Lat/Long:	40.9116204, -107.3501987		
Northing:	1580290.1 US ft		
Easting:	2488626.7 US ft		
Elevation:	7172.24 US ft		
NAD83(2011) / Colorado North (ftUS) (US survey foot)			

34 - Observation

Open

Jun 26, 2024 at 11:02am



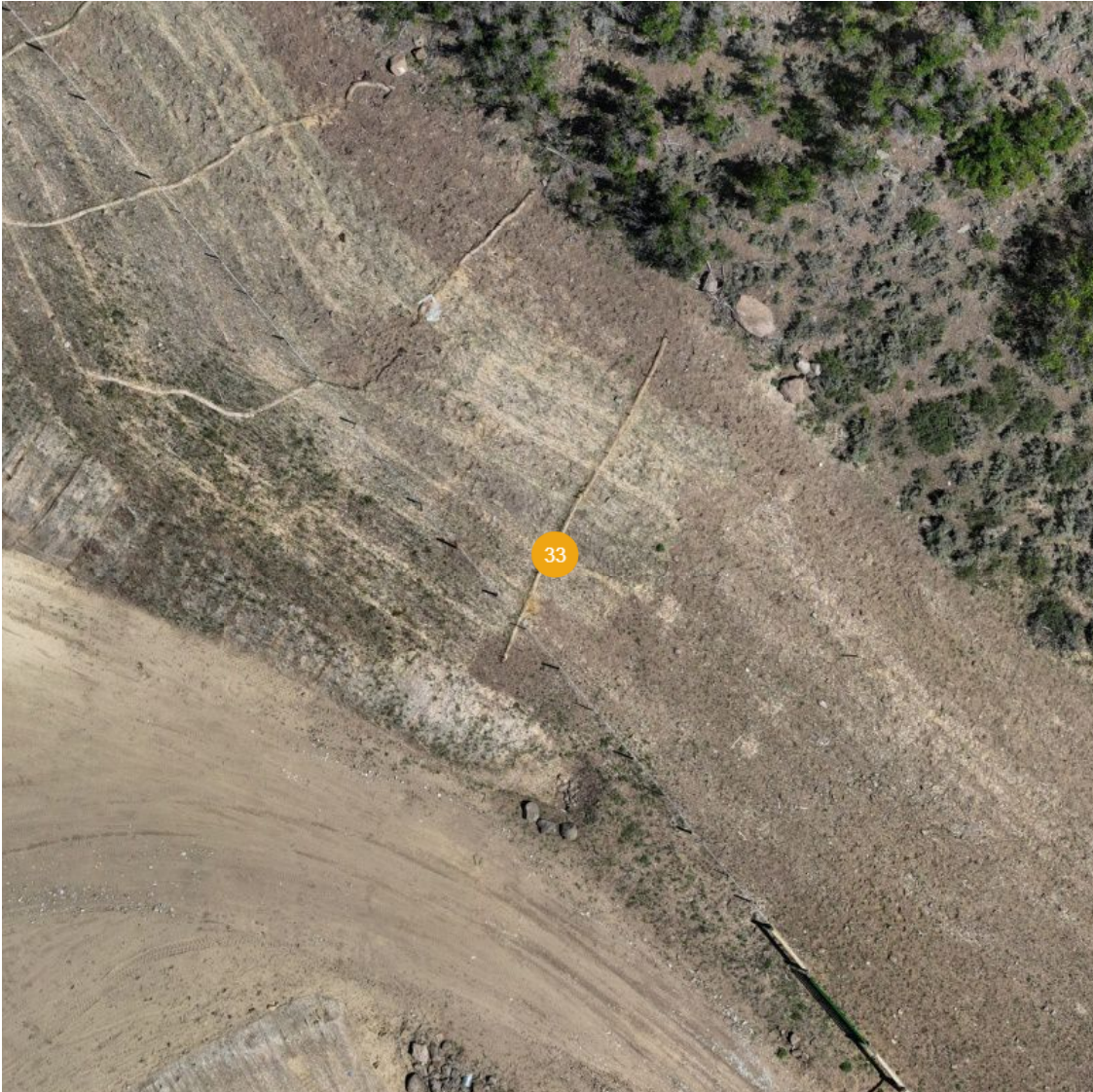
Details

Summary:	Erosion log in disrepair
Created:	Jul 1, 2024, 2:47pm by Aaron Trujillo
Cost of Repair:	—
Lat/Long:	40.9123309, -107.3509053
Northing:	1580553.0 US ft
Easting:	2488436.9 US ft
Elevation:	7196.42 US ft
NAD83(2011) / Colorado North (ftUS) (US survey foot)	

33 - Observation

Open

Jun 26, 2024 at 11:02am



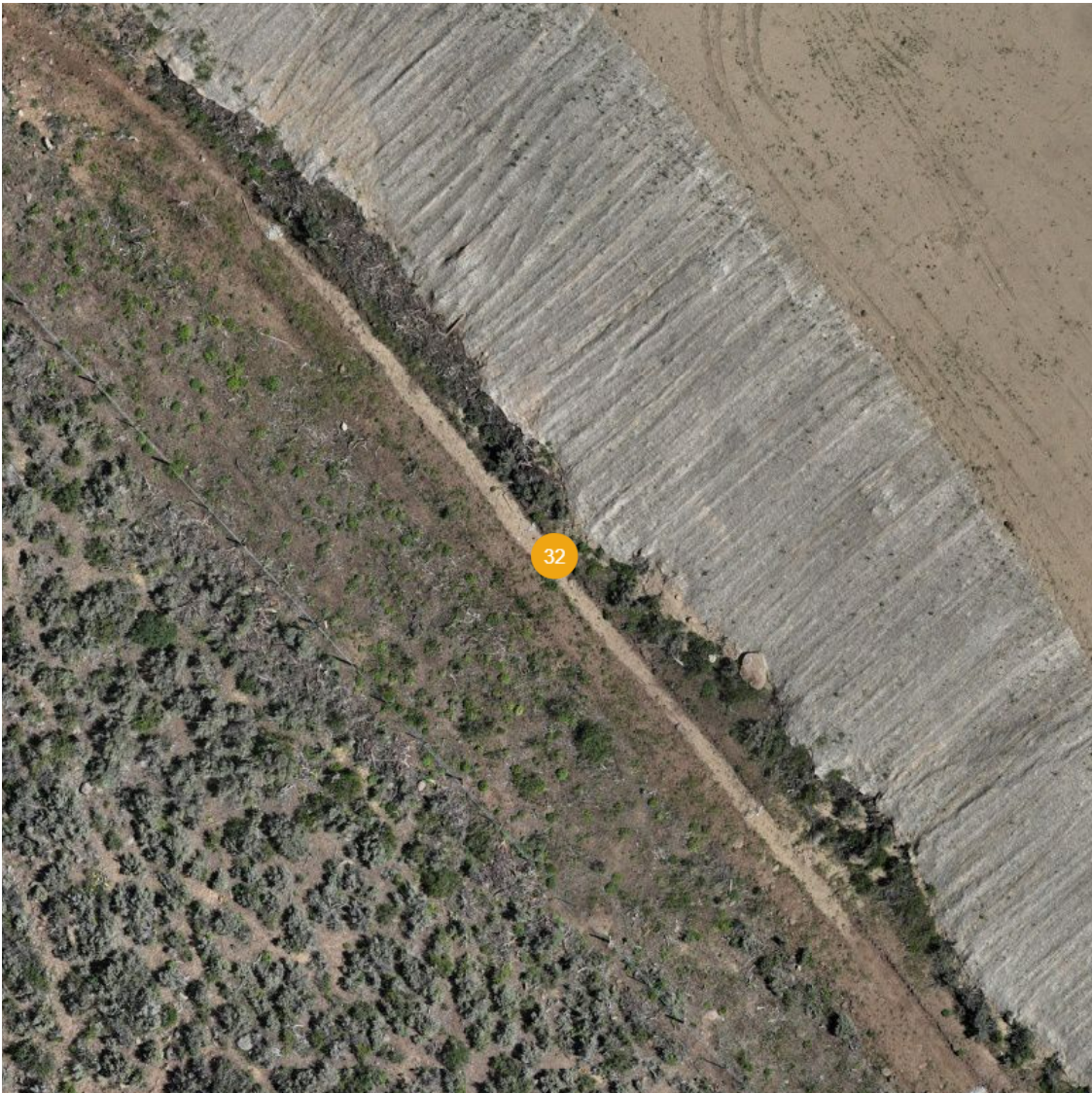
Details

Summary:	Erosion log in disrepair
Created:	Jul 1, 2024, 2:46pm by Aaron Trujillo
Cost of Repair:	—
Lat/Long:	40.9122265, -107.3508570
Northing:	1580514.7 US ft
Easting:	2488449.4 US ft
Elevation:	7186.89 US ft
NAD83(2011) / Colorado North (ftUS) (US survey foot)	

32 - Observation

Open

Jun 26, 2024 at 11:02am



Details

Summary: Lighter soils observed is sediment due to stormwater runoff and erosion degradation occurring at the fill slopes. Stormwater diversion ditch has filled with sediment.

Created: Jul 1, 2024, 2:46pm by Aaron Trujillo

Cost of Repair: —

Lat/Long: 40.9121505, -107.3526931

Northing: 1580497.6 US ft

Easting: 2487941.4 US ft

Elevation: 7159.42 US ft

NAD83(2011) / Colorado North (ftUS) (US survey foot)

Open

31 - Observation

Jun 26, 2024 at 11:02am



Details

Summary:	BMPs to manage runoff from the Pad missing or insufficient, resulting in erosion degradation and sediment transport.		
Created:	Jul 1, 2024, 2:45pm by Aaron Trujillo		
Cost of Repair:	—		
Lat/Long:	40.91208, -107.35246		
Area:	2417.22 ft ²		
Surface area:	2597.82 ft ²		

30 - Observation

Open

Jun 26, 2024 at 11:02am



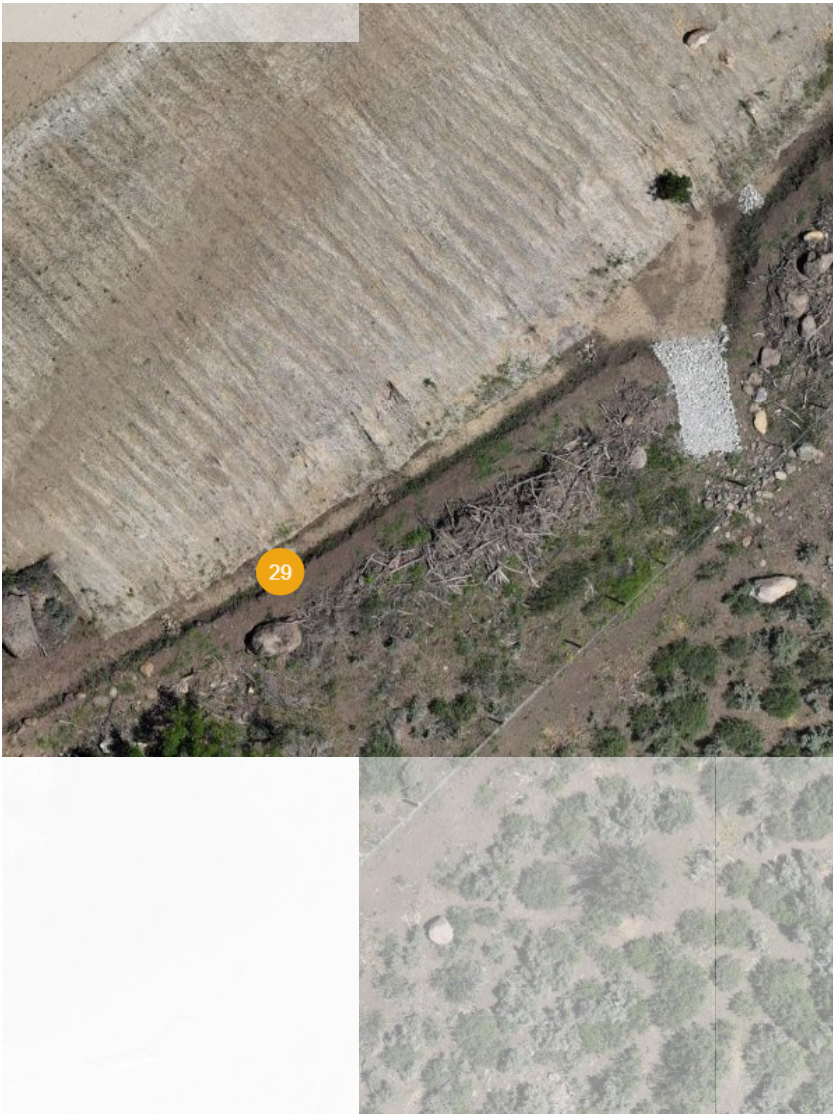
Details

Summary:	BMP not constructed in conjunction with a sediment trap. BMPs also constructed with use of topsoil material.		
Created:	Jul 1, 2024, 2:44pm by Aaron Trujillo		
Cost of Repair:	—		
Lat/Long:	40.9117316, -107.3512040		
Northing:	1580336.4 US ft		
Easting:	2488349.8 US ft		
Elevation:	7148.58 US ft		
NAD83(2011) / Colorado North (ftUS) (US survey foot)			

29 - Observation

Open

Jun 26, 2024 at 11:02am



Details

Summary:	Trash debris observed within the stormwater diversion ditch.
Created:	Jun 28, 2024, 10:24am by Aaron Trujillo
Cost of Repair:	—
Lat/Long:	40.9116366, -107.3514019
Northing:	1580303.0 US ft
Easting:	2488294.3 US ft
Elevation:	7149.98 US ft
NAD83(2011) / Colorado North (ftUS) (US survey foot)	

26 - Observation

Open

Jun 26, 2024 at 11:02am

26

Details

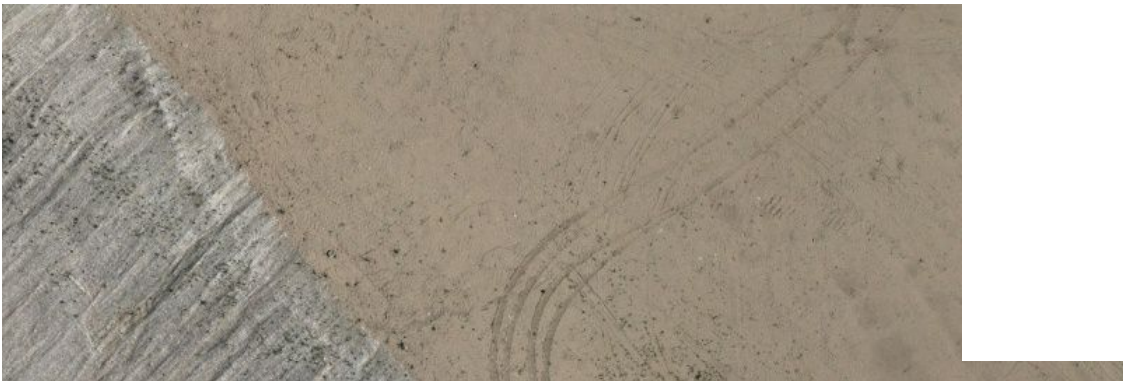
Summary:	Tanks missing required covering to prevent wildlife access, including bats and birds.		
Created:	Jun 28, 2024, 10:18am by Aaron Trujillo		
Cost of Repair:	—		
Lat/Long:	40.9122928, -107.3517628		
Northing:	1580544.1 US ft		
Easting:	2488199.6 US ft		
Elevation:	7193.05 US ft		
NAD83(2011) / Colorado North (ftUS) (US survey foot)			

23 - Observation

Open

Jun 26, 2024 at 11:02am

23



Details

Summary:	Improperly anchored equipment blown over by wind. Damage evident. Operator was directed to secure all equipment on the Location.		
Created:	Jun 28, 2024, 10:02am by Aaron Trujillo		
Cost of Repair:	—		
Lat/Long:	40.9125417, -107.3525822		
Northing:	1580639.5 US ft		
Easting:	2487975.1 US ft		
Elevation:	7179.48 US ft		
NAD83(2011) / Colorado North (ftUS) (US survey foot)			

22 - Observation

Open

Jun 26, 2024 at 11:02am

22

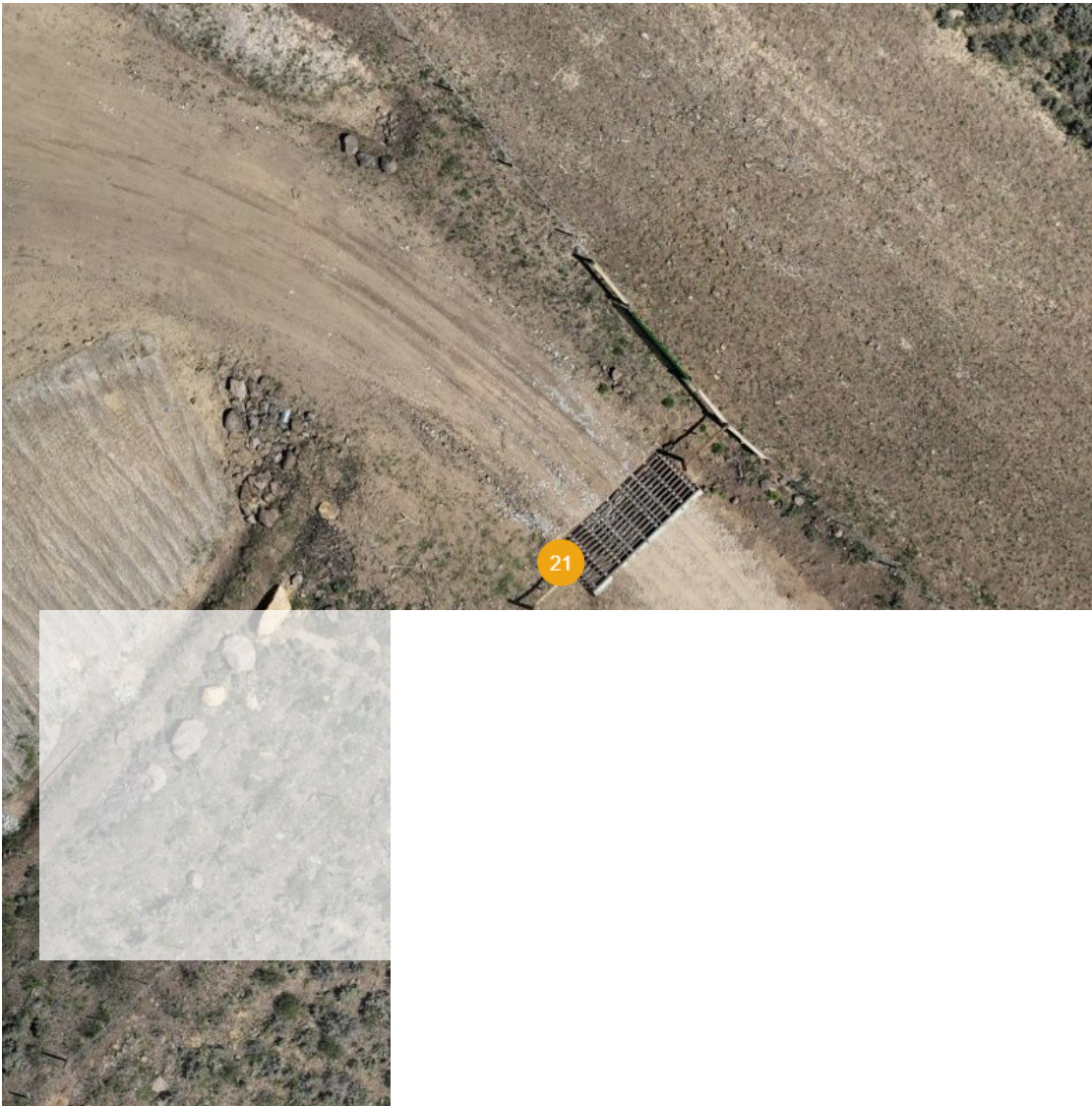
Details

Summary:	Signage at the intersection of the lease road and the public road not posted
Created:	Jun 28, 2024, 9:58am by Aaron Trujillo
Cost of Repair:	—
Lat/Long:	40.9104680, -107.3496469
Northing:	1579867.2 US ft
Easting:	2488770.5 US ft
Elevation:	7122.87 US ft
NAD83(2011) / Colorado North (ftUS) (US survey foot)	

21 - Observation

Open

Jun 26, 2024 at 11:02am



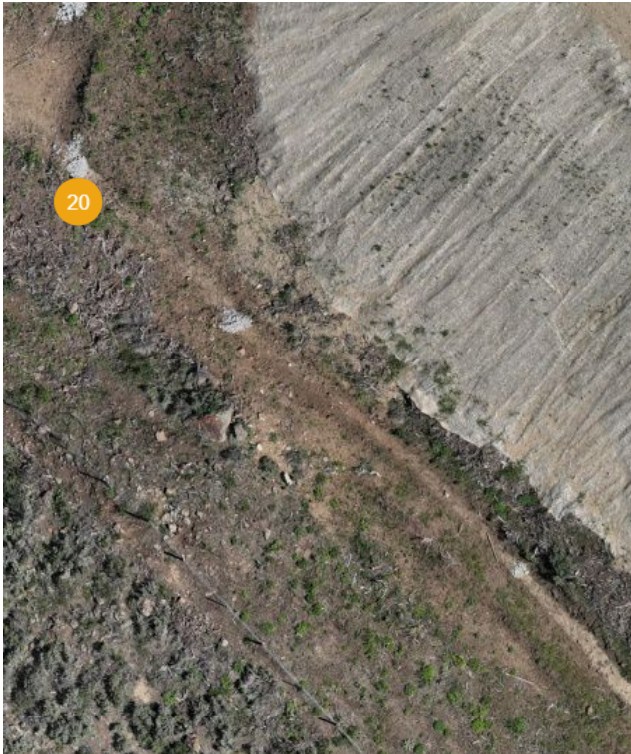
Details

Summary:	Signage at Location entrance not posted.
Created:	Jun 28, 2024, 9:57am by Aaron Trujillo
Cost of Repair:	—
Lat/Long:	40.9119761, -107.3507656
Northing:	1580423.0 US ft
Easting:	2488472.8 US ft
Elevation:	7176.07 US ft
NAD83(2011) / Colorado North (ftUS) (US survey foot)	

20 - Observation

Open

Jun 26, 2024 at 11:02am



Details

Summary:	BMP not constructed in conjunction with a sediment trap. BMPs also constructed with use of topsoil material.		
Created:	Jun 28, 2024, 9:55am by Aaron Trujillo		
Cost of Repair:	—		
Lat/Long:	40.9124053, -107.3530447		
Northing:	1580592.5 US ft		
Easting:	2487846.2 US ft		
Elevation:	7151.24 US ft		
NAD83(2011) / Colorado North (ftUS) (US survey foot)			

19 - Observation

Open

Jun 26, 2024 at 11:02am

19



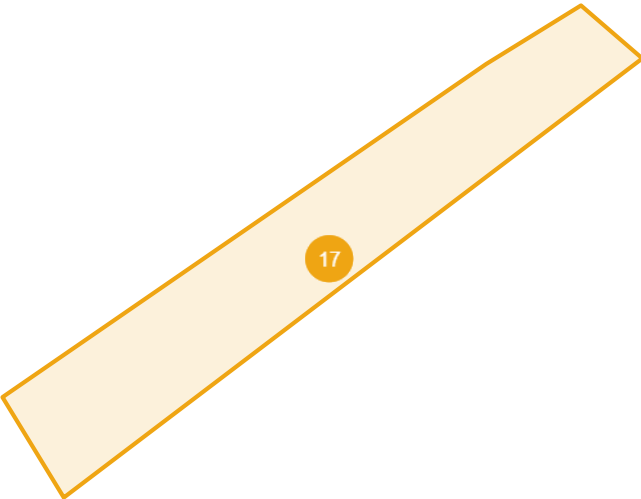
Details

Summary:	BMPs to minimize erosion, degradation and sediment transport at the slopes of the Location remain missing or insufficient: Erosion blankets have not been installed or maintained per good engineering practices, resulting in erosion degradation at slopes.		
Created:	Jun 28, 2024, 9:53am by Aaron Trujillo		
Cost of Repair:	—		
Lat/Long:	40.9123324, -107.3512572		
Northing:	1580555.6 US ft		
Easting:	2488339.6 US ft		
Elevation:	7194.11 US ft		
NAD83(2011) / Colorado North (ftUS) (US survey foot)			

17 - Observation

Open

Jun 26, 2024 at 11:02am



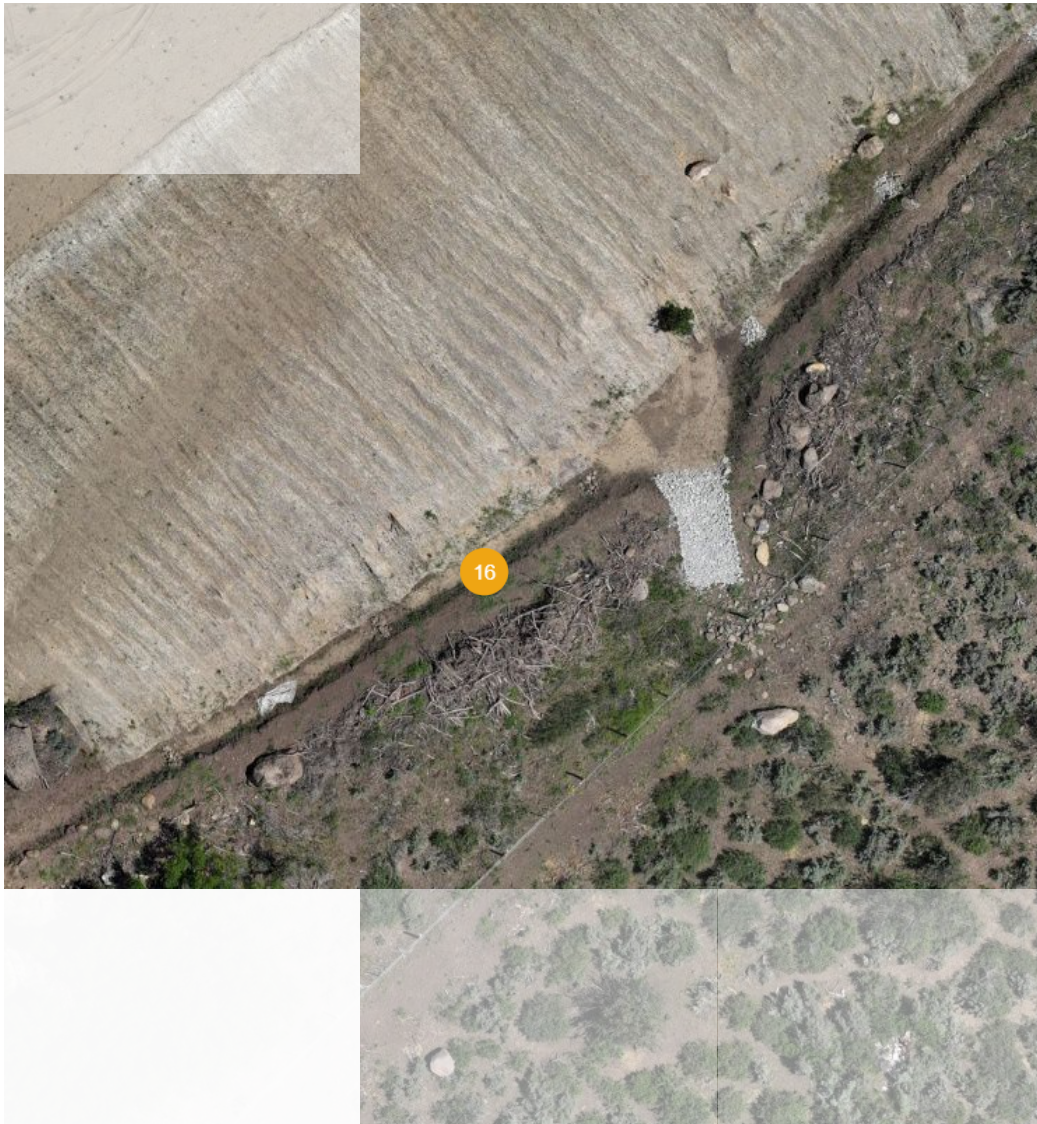
Details

Summary:	A combination of Stormwater runoff and stabilization issues are resulting in cracks forming at the edge of the working pad surface, on the southeast end of the Location- cracks observed exceeding 2 feet in depth Large cracks also observed within the fill slopes (within 4-5 feet from the top of the slope) suggesting soil stabilization concerns and potential mass soil migration.		
Created:	Jun 28, 2024, 9:49am by Aaron Trujillo		
Cost of Repair:	—		
Lat/Long:	40.91189, -107.35131		
Area:	5030.61 ft ²		
Surface area:	5270.94 ft ²		

16 - Observation

Open

Jun 26, 2024 at 11:02am



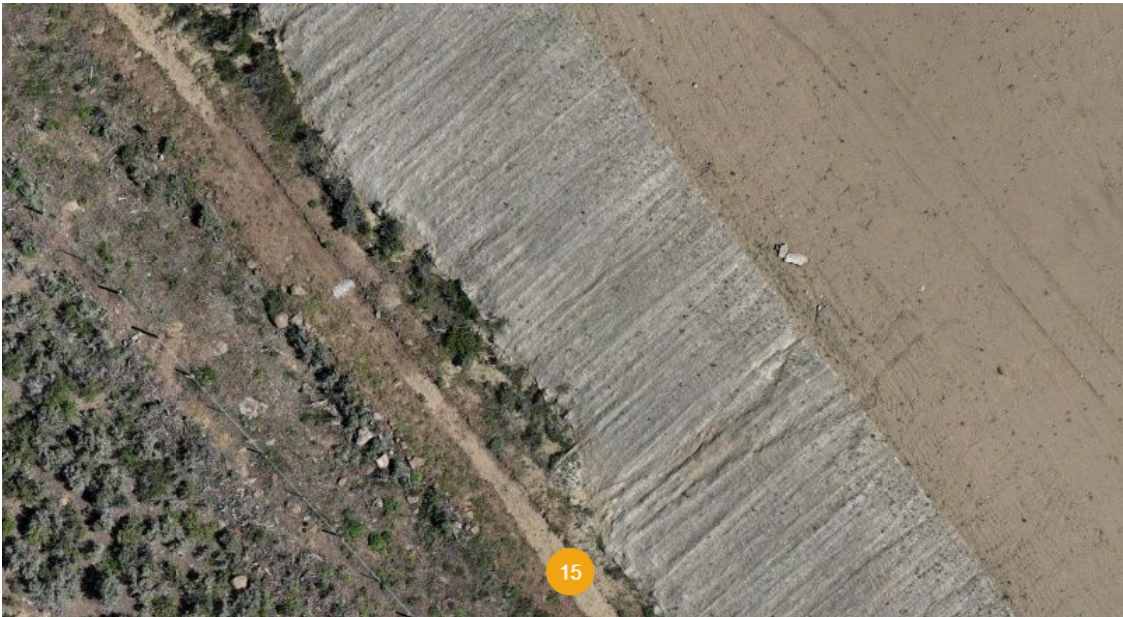
Details

Summary:	Lighter soils observed is sediment due to stormwater runoff and erosion degradation occurring at the fill slopes		
Created:	Jun 28, 2024, 9:49am by Aaron Trujillo		
Cost of Repair:	—		
Lat/Long:	40.9116850, -107.3513047		
Northing:	1580320.0 US ft		
Easting:	2488321.6 US ft		
Elevation:	7149.22 US ft		
NAD83(2011) / Colorado North (ftUS) (US survey foot)			

15 - Observation

Open

Jun 26, 2024 at 11:02am



Details

Summary:	Lighter soils observed is sediment due to stormwater runoff and erosion degradation occurring at the fill slopes. Stormwater diversion ditch has filled with sediment.		
Created:	Jun 28, 2024, 9:12am by Aaron Trujillo		
Cost of Repair:	—		
Lat/Long:	40.9118459, -107.3523756		
Northing:	1580384.8 US ft		
Easting:	2488026.9 US ft		
Elevation:	7163.08 US ft		
NAD83(2011) / Colorado North (ftUS) (US survey foot)			

14 - Observation

Open

Jun 26, 2024 at 11:02am



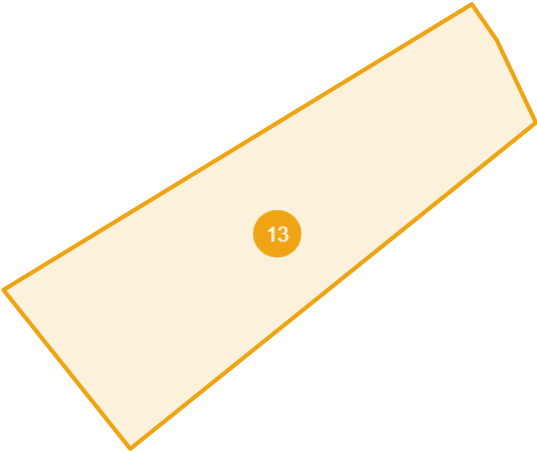
Details

Summary:	BMPs to manage runoff from the Pad missing or insufficient, resulting in erosion degradation and sediment transport.		
Created:	Jun 28, 2024, 9:12am by Aaron Trujillo		
Cost of Repair:	—		
Lat/Long:	40.91191, -107.35228		
Area:	1162.56 ft ²		
Surface area:	1223.17 ft ²		

13 - Observation

Open

Jun 26, 2024 at 11:02am



Details

Summary:	BMPs to manage runoff from the Pad missing or insufficient, resulting in erosion degradation and sediment transport.		
Created:	Jun 28, 2024, 9:11am by Aaron Trujillo		
Cost of Repair:	—		
Lat/Long:	40.91172, -107.35206		
Area:	1590.83 ft ²		
Surface area:	1686.82 ft ²		