



State of Utah
 DEPARTMENT OF NATURAL RESOURCES
 MICHAEL R. STYLER
Executive Director
Division of Oil, Gas and Mining
 JOHN R. BAZA
Division Director

Inspection Report

Permit Number:	C0070041
Inspection Type:	COMPLETE
Inspection Date:	Thursday, August 25, 2016
Start Date/Time:	8/25/2016 8:00:00 AM
End Date/Time:	8/25/2016 1:00:00 PM
Last Inspection:	Wednesday, July 13, 2016

Inspector: Karl Houskeeper
 Weather: Clear skies, Temp. 75 Deg. F.
 InspectionID Report Number: 5612
 Accepted by: JHELFRIC
 8/29/2016

Permittee: **WEST RIDGE RESOURCES**
 Operator: **WEST RIDGE RESOURCES**
 Site: **WEST RIDGE MINE**
 Address: **PO BOX 910, EAST CARBON UT 84520-0910**
 County: **CARBON**
 Permit Type: **PERMANENT COAL PROGRAM**
 Permit Status: **ACTIVE**

Current Acreages

8,080.58	Total Permitted
31.24	Total Disturbed
	Phase I
	Phase II
	Phase III

Mineral Ownership

- Federal
- State
- County
- Fee
- Other

Types of Operations

- Underground
- Surface
- Loadout
- Processing
- Reprocessing

Report summary and status for pending enforcement actions, permit conditions, Division Orders, and amendments:

The Division inspector checked in with mine personnel at the West Ridge mine at the onset of the inspection. Karin Madsen was out in the field at the Crandall Mine.

The West Ridge Mine was hit by a high intensity rain storm within the last several weeks. A lot of maintenance has been done on the site to date. However there is a large amount of diversions that still need urgent attention. See item 4a.

Karl R. Houskeeper

Inspector's Signature:

Date Thursday, August 25, 2016

Karl Houskeeper,
 Inspector ID Number: 49

Note: This inspection report does not constitute an affidavit of compliance with the regulatory program of the Division of Oil, Gas and Mining. telephone (801) 538-5340 • facsimile (801) 359-3940 • TTY (801) 538-7458 • www.ogm.utah.gov



REVIEW OF PERMIT, PERFORMANCE STANDARDS PERMIT CONDITION REQUIREMENTS

1. Substantiate the elements on this inspection by checking the appropriate performance standard.
 - a. For COMPLETE inspections provide narrative justification for any elements not fully inspected unless element is not appropriate to the site, in which case check Not Applicable.
 - b. For PARTIAL inspections check only the elements evaluated.
2. Document any noncompliance situation by reference the NOV issued at the appropriate performance standard listed below.
3. Reference any narratives written in conjunction with this inspection at the appropriate performance standard listed below.
4. Provide a brief status report for all pending enforcement actions, permit conditions, Divison Orders, and amendments.

	Evaluated	Not Applicable	Comment	Enforcement
1. Permits, Change, Transfer, Renewal, Sale	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Signs and Markers	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. Topsoil	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.a Hydrologic Balance: Diversions	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4.b Hydrologic Balance: Sediment Ponds and Impoundments	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4.c Hydrologic Balance: Other Sediment Control Measures	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4.d Hydrologic Balance: Water Monitoring	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.e Hydrologic Balance: Effluent Limitations	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5. Explosives	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Disposal of Excess Spoil, Fills, Benches	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Coal Mine Waste, Refuse Piles, Impoundments	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. Noncoal Waste	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. Protection of Fish, Wildlife and Related Environmental Issues	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. Slides and Other Damage	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11. Contemporaneous Reclamation	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12. Backfilling And Grading	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13. Revegetation	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14. Subsidence Control	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15. Cessation of Operations	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16.a Roads: Construction, Maintenance, Surfacing	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16.b Roads: Drainage Controls	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17. Other Transportation Facilities	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
18. Support Facilities, Utility Installations	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
19. AVS Check	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
20. Air Quality Permit	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
21. Bonding and Insurance	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
22. Other	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

1. Permits, Change, Transfer, Renewal, Sale

The DOGM permit is effective 04/01/2014 and expires 04/01/2019. Other documents include the following:

- Certificate of Insurance issued 06/01/2016 and terminates 06/01/2017.
- Reclamation agreement is dated August 6, 2008 and is signed by both parties.
- UPDES permit UT0025640 effective 05/01/2011 and expires midnight 04/30/2016. Extended until a new permit is issued.
- Air Quality permit DAQE-055-99 issued 01/14/1999.
- SPCC Plan dated August, 2012.

2. Signs and Markers

The mine identification signs are clearly posted at all access points into the mining permit area. The signs contain all of the required information set forth as requirements in the Utah R645 Coal Rules.

4.a Hydrologic Balance: Diversions

West Ridge Mine was hit by a high intensity storm over the last couple of weeks and there is evidence that work has been done on the drainage system. Unfortunately there are still many areas that need urgent attention. Pictures were taken and are attached to the PDF version of this inspection report. These pictures show the needed maintenance with the exception of one outlet that could not be found.

The list is as follows:

1. DC-11 Inlet by Truck Load Out 100% plugged.
2. DC-6 Outlet 100% plugged, by processing plant.
3. DC-7 Outlet 75% plugged, base of coal pad access road.
4. DC-7 Inlet mangled. Not storm associated.
5. DC-6 Outlet not visible, by bath house. No picture. Culvert is underneath main belt line and follows the alignment of the bent structures.
6. DC-8 Inlet 100% plugged, top of coal pad access road.
7. DC-2 Inlet 75% plugged, by shop area.
8. Silt fence down at base of the topsoil pile. It is evident there was a large flow here as well from the debris placement on the pad area below the topsoil pile.

4.b Hydrologic Balance: Sediment Ponds and Impoundments

Second quarter 2016 sediment pond inspection was conducted by Karin Madsen on June 21, 2016. Existing sediment levels in Cell A and Cell B are below the 60% sediment elevation that requires cleaning. Notes in the report indicate that the slopes of Cell A and Cell B used as access points into the pond bottom for cleaning are being monitored as requested by OSM. The note indicates that the reeling is self healing and that vegetation is being established.

4.c Hydrologic Balance: Other Sediment Control Measures

The siltation fence at the base of the topsoil pile needs maintenance. See item 4a.

4.e Hydrologic Balance: Effluent Limitations

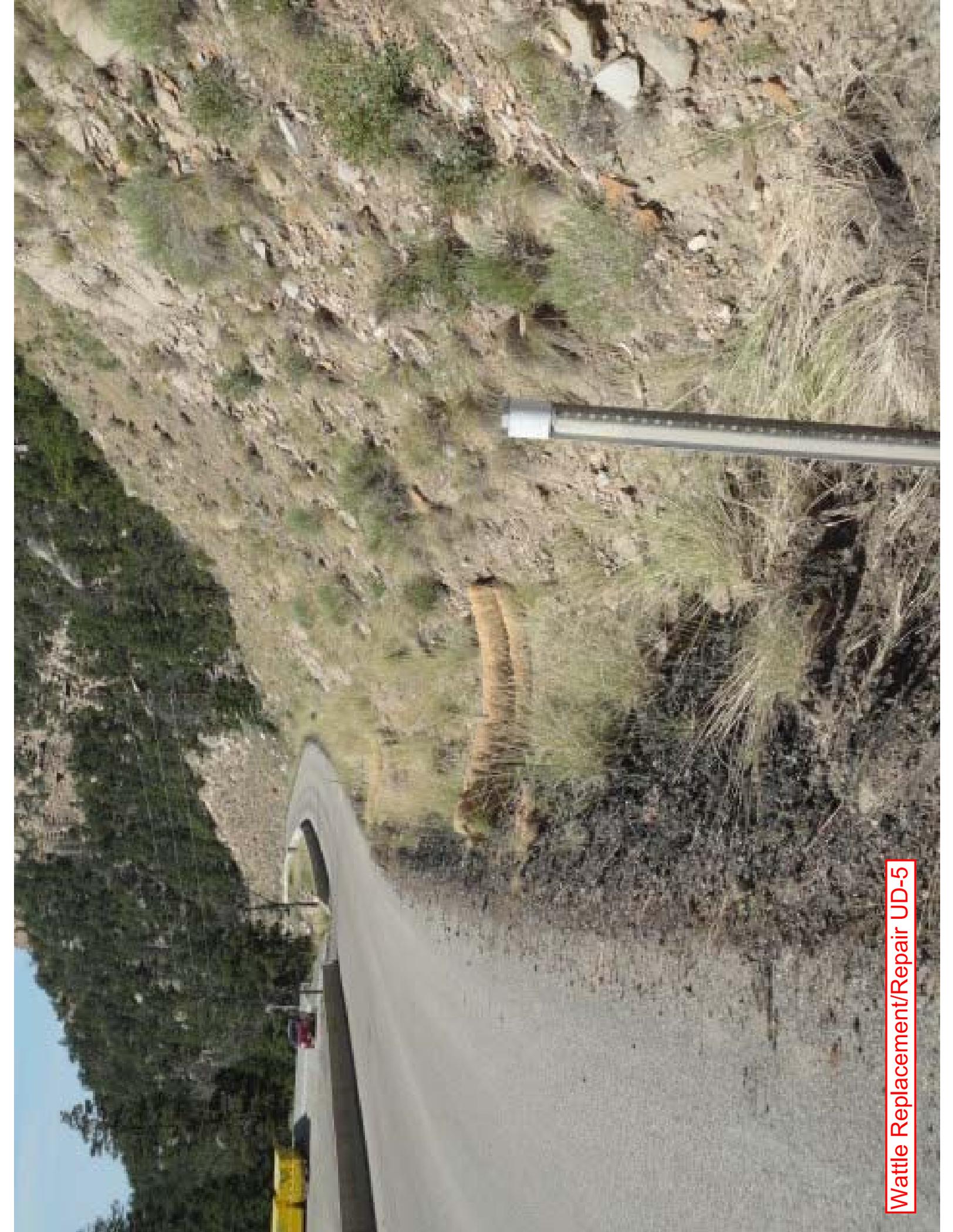
The discharge monitoring reports of April, May, June and July were reviewed during the complete inspection. No discharges occurred from any outfall within the UPDES permit for the referenced months.

20. Air Quality Permit

DAQE-055-99 issued January 9, 1999, still effective.

21. Bonding and Insurance

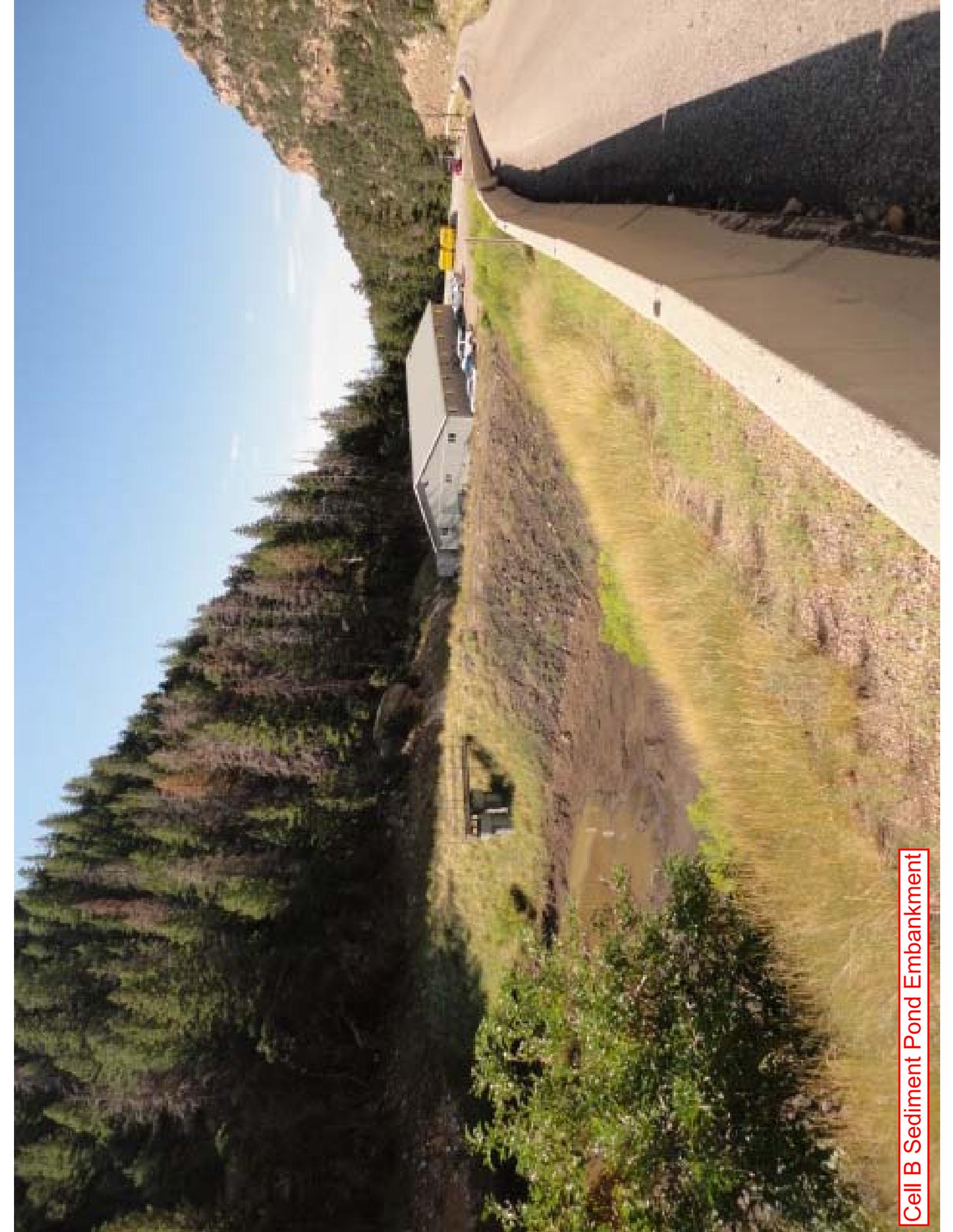
Total disturbed acres 31.24. Two bonds in place. National Union Fire Insurance Company \$2,117,000 and Rockwood Casualty Company \$67,000. Total bond \$2,184,000.



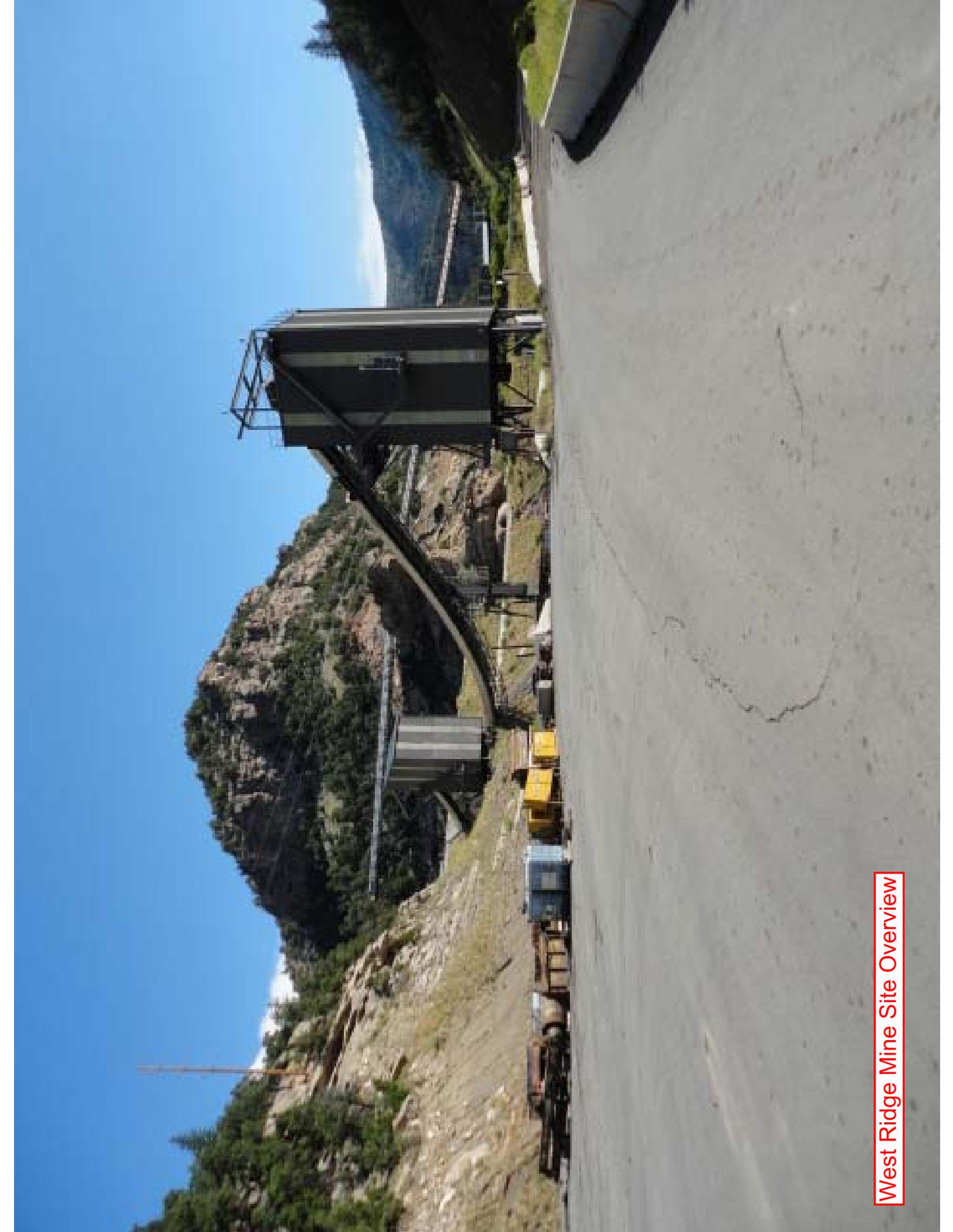
Wattle Replacement/Repair UD-5



Cell A Sediment Pond Embankment



Cell B Sediment Pond Embankment



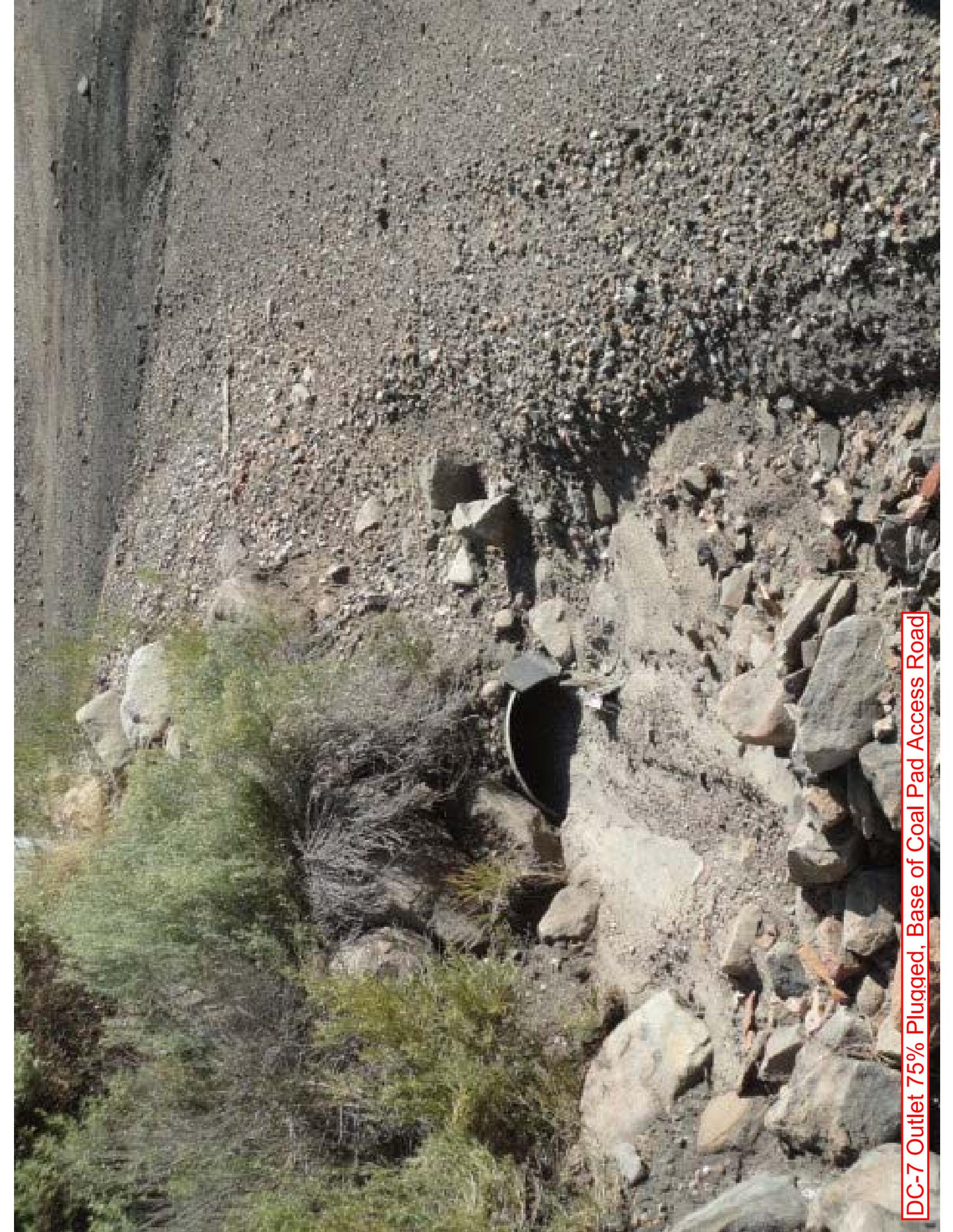
West Ridge Mine Site Overview



DC-11 Inlet 100% Plugged, Truck Load Out Area



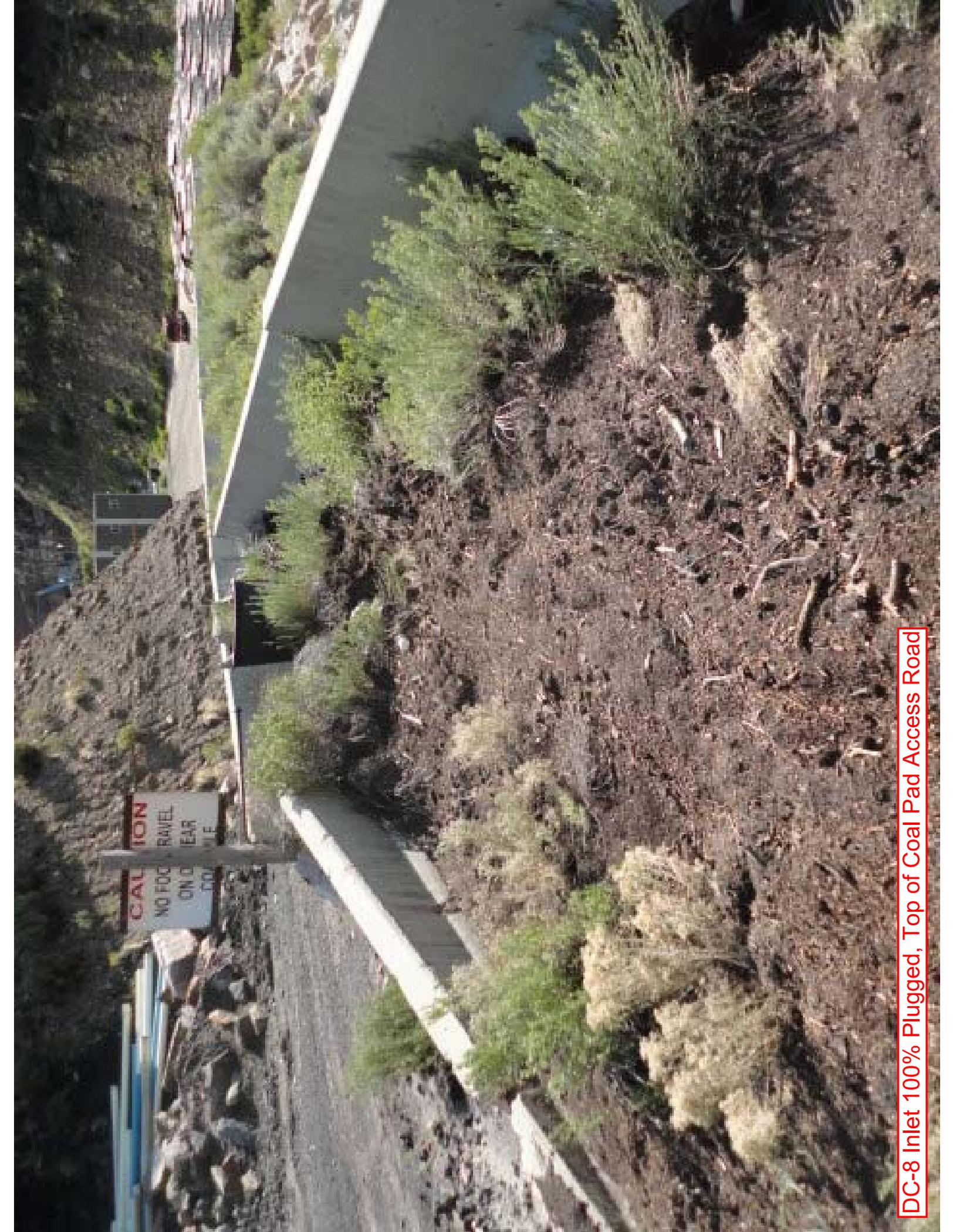
DC-10 Outlet 100% Plugged, Processing Plant



DC-7 Outlet 75% Plugged, Base of Coal Pad Access Road



DC-7 Inlet Mangled, Base of Coal Pad Access Road



CAUTION
NO FOOT
ON C
TOO

CAUTION
RAWEL
EAR
UTE

DC-8 Inlet 100% Plugged, Top of Coal Pad Access Road



DC-2 Inlet by Shop 75% Plugged



Silt Fence At Topsoil Pile



Silt Fence At Topsoil Pile