




MINERALS PROGRAM INSPECTION REPORT
PHONE: (303) 866-3567

The Division of Reclamation, Mining and Safety has conducted an inspection of the mining operation noted below. This report documents observations concerning compliance with the terms of the permit and applicable rules and regulations of the Mined Land Reclamation Board.

MINE NAME: Table Mountain Quarry	MINE/PROSPECTING ID#: M-1999-004	MINERAL: Silica (quartz, quartzite)	COUNTY: Fremont
INSPECTION TYPE: Monitoring	INSPECTOR(S): Timothy A. Cazier, Amy Eschberger	INSP. DATE: January 29, 2018	INSP. TIME: 11:45
OPERATOR: Tezak Heavy Equipment Co. Inc.	OPERATOR REPRESENTATIVE: Randy DiLuzio	TYPE OF OPERATION: 112c - Construction Regular Operation	
REASON FOR INSPECTION: Priority	BOND CALCULATION TYPE: Partial	BOND AMOUNT: \$202,793.00	
DATE OF COMPLAINT: NA	POST INSP. CONTACTS: Colo. Land Board	JOINT INSP. AGENCY: Colo. Land Board	
WEATHER: Clear	INSPECTOR'S SIGNATURE: 	SIGNATURE DATE: March 8, 2018	

GENERAL INSPECTION TOPICS

This list identifies the environmental and permit parameters inspected and gives a categorical evaluation of each. No problems or possible violations were noted during the inspection. The mine operation was found to be in full compliance with Mineral Rules and Regulations of the Colorado Mined Land Reclamation Board for the Extraction of Construction Materials and/or for Hard Rock, Metal and Designated Mining Operations. Any person engaged in any mining operation shall notify the office of any failure or imminent failure, as soon as reasonably practicable after such person has knowledge of such condition or of any impoundment, embankment, or slope that poses a reasonable potential for danger to any persons or property or to the environment; or any environmental protection facility designed to contain or control chemicals or waste which are acid or toxic-forming, as identified in the permit.

(AR) RECORDS----- <u>Y</u>	(FN) FINANCIAL WARRANTY----- <u>Y</u>	(RD) ROADS----- <u>Y</u>
(HB) HYDROLOGIC BALANCE----- <u>Y</u>	(BG) BACKFILL & GRADING----- <u>Y</u>	(EX) EXPLOSIVES----- <u>Y</u>
(PW) PROCESSING WASTE/TAILING---- <u>Y</u>	(SF) PROCESSING FACILITIES----- <u>Y</u>	(TS) TOPSOIL----- <u>Y</u>
(MP) GENL MINE PLAN COMPLIANCE- <u>Y</u>	(FW) FISH & WILDLIFE----- <u>Y</u>	(RV) REVEGETATION---- <u>Y</u>
(SM) SIGNS AND MARKERS----- <u>Y</u>	(SP) STORM WATER MGT PLAN---- <u>Y</u>	(RS) RECL PLAN/COMP-- <u>Y</u>
(ES) OVERBURDEN/DEV. WASTE----- <u>Y</u>	(SC) EROSION/SEDIMENTATION--- <u>Y</u>	(ST) STIPULATIONS----- <u>Y</u>
(AT) ACID OR TOXIC MATERIALS----- <u>NA</u>	(OD) OFF-SITE DAMAGE----- <u>Y</u>	

Y = Inspected and found in compliance / N = Not inspected / NA = Not applicable to this operation / PB = Problem cited / PV = Possible violation cited

OBSERVATIONS

This site visit was conducted as a priority inspection in part as a result of the Division receiving non-specific objection letter references of non-compliance at quarry operations in the vicinity of the proposed Hitch Rack Ranch Quarry. The Permittee (Tezak Heavy Equipment) was represented by Messrs. Randy DiLuzio and Lu Toxvard. Tim Cazier and Amy Eschberger represented the Division. This was also a joint inspection with the State Land Board (represented by Mr. Phil Courtney). The Table Mountain Quarry is accessed from Highway 115 about 11 miles north of Penrose. The access road is approximately 3.5 miles from Hwy 115 to the active pit area. This is a 112c silica/quartz mine. It was operating at the time of the inspection.

Availability of Records: Annual fees are paid through June 2017. The previous inspection was on March 11, 2014. The approved post-mine land use is wildlife habitat. There are no open infractions.

Backfilling and Grading: The highwall in mine Area A runs east-west and is advanced towards the north. The Operator has begun backfilling and grading material for reclamation at approximately a 3H:1V slope on the north-south highwalls on the east and west sides of the pit after the east-west highwall has advanced far enough to allow reclamation to begin on the south end (see **Photos 1 and 2**). Sufficient backfill material appeared available for reclamation of the current east-west highwall.

Explosives: The Operator has an internal blasting plan. The Division has had no reason to date to require the mine to file a blasting plan with DRMS as it appears the closest residence or structure is over 1.5 miles away. Mr. DiLuzio stated their blasting records are kept on site.

Financial Warranty: The \$202,793 bond held by the Division is adequate for the observed mine disturbance.

Fish and Wildlife: No impact to fish or wildlife was observed.

Hydrologic Balance: No standing water was observed in the pit and no exposed groundwater was observed.

Gen. Compliance with Mine Plan: The operation appeared to be in compliance with the approved mine plan. Google Earth was used to measure the disturbed area, which was estimated to be just under 38 acres (see **enclosed** post-inspection map). This is near the limit of the permit's maximum allowed disturbed area at one time. Based on the amendment 1 (AM-01) application and subsequent adequacy reviews, it appears the maximum allowed disturbed area at any given time is 38.2 acres. The concurrent reclamation on the south end of the east and west highwalls in Area A (see **Photos 1 and 2**) might offset the disturbed area total if a release were requested. The Permittee should consider a revision to the permit, or requesting releases of reclaimed areas so the affected area does not exceed the current maximum allowed area of 38.2 acres.

Highwalls were observed to be approximately 40 feet in height and appeared stable (see **Photo 3**). There is a permit stipulation (discussed below) limiting the highwall length to 2,000 feet. The current length of the highwall was estimated to be less than 1,300 feet. The Operator is currently mining in Area A. A previous Operator had begun mining in Area B.

Off-site Damage: The operation appeared to be confined to the permit boundary.

Roads: The roads are not likely to be a source of sediment that could be tracked to a paved road.

Reclamation Success: The Operator has graded, topsoiled, and seeded the south ends of the east and west highwalls. The approved mine and reclamation plans include this concurrent reclamation approach.

Revegetation: Revegetation had been initiated at both ends of the highwall in the backfilled areas of the highwall (see **Photos 1 and 2**). No noxious weeds were observed.

Sediment Control: The sediment pond on the south end of the site had been cleaned out since the previous inspection (see **Photo 4**). Discussions regarding stormwater control improvements are included in the Stormwater MGT Plan below. No erosion problems were observed and no BMPs were needed at the time of the inspection.

Signs and Markers: The permit sign was posted near the intersection of Hwy 115 and the mine access road (see **Photo 5**) at the time of the inspection. Boundaries are generally marked with T-posts (see **Photo 6**).

Support Facilities On-site: A screen plant and related equipment, excavators and loaders were observed on site.

Permit Stipulations: During the AM-01 review process, a commitment was made by the Permittee to limit the highwall to less than 2,000 lineal feet in order to keep the reclamation liability in line with the posted financial warranty.

Stormwater MGT Plan: The Division's abandoned mine land (AML) group has a forfeited bond from a permit that preceded the current permit. TC Wait from AML visited the site in the summer of 2017 to assess what reclamation could be accomplished with the forfeited bond money. Her assessment included stormwater improvements to the outfall from the south sediment pond (see **Photos 7 and 8**). Some discussions with the Mr. DiLuzio during this inspection resulted in some improvements that might be made to the area where the outfall channel crosses the road running southward from the permit area. During the previous inspection, it appeared discharge from the sediment pond was primarily following the road. During this inspection, it appears most, if not all the discharge is running next to the road, rather than in it. It also appeared the discharge was directed towards natural channels. The Operator should coordinate with the Division's AML group prior to initiating any drainage improvement in this area.

No oil or fuel spills were observed.

Please contact Tim Cazier (303)866-3567 ext. 8169 or email at tim.cazier@state.co.us if you have any questions regarding this report.

PHOTOGRAPHS



Photo 1. East highwall reclamation (looking east).

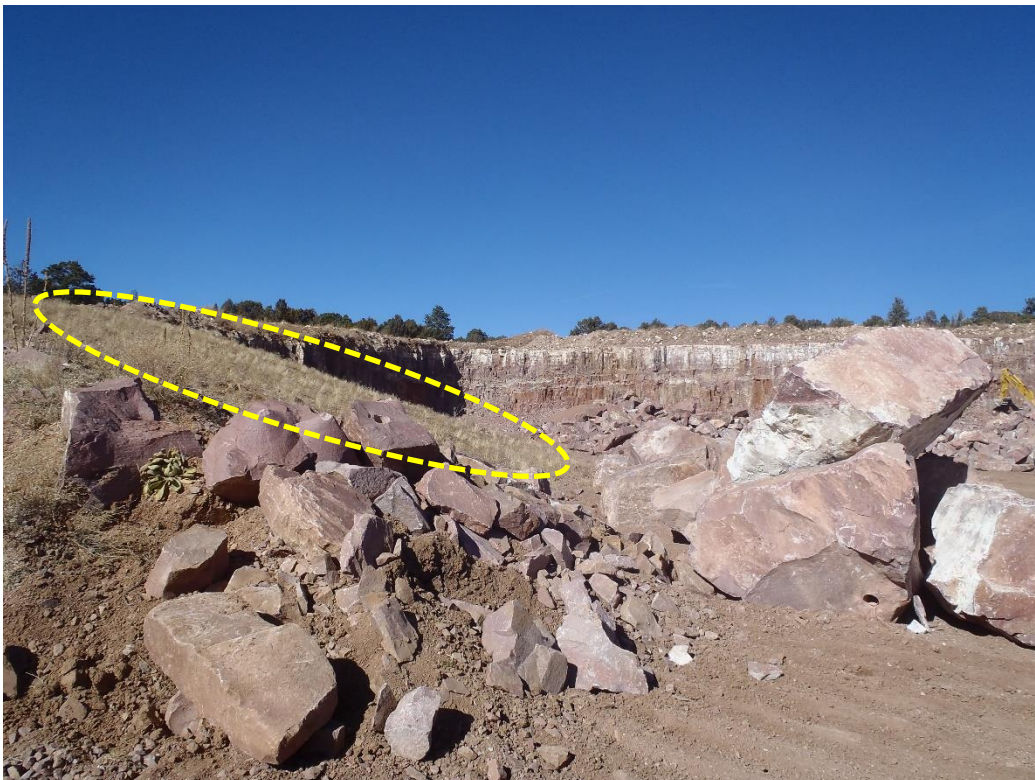


Photo 2. West highwall reclamation (looking NW).

PHOTOGRAPHS (cont.)



Photo 3. Active east-west highwall (looking WNW).



Photo 4. South sediment pond (looking SSE).

PHOTOGRAPHS (cont.)



Photo 5. Permit sign near entrance.



Photo 6. Typical T-post boundary marker.

PHOTOGRAPHS (cont.)



Photo 7. Stormwater crossing along road south of sediment pond (looking north).



Photo 8. Stormwater channel along road south of sediment pond (looking south).

Inspection Contact Address

Mr. Randy DiLuzio
Tezak Heavy Equipment Co. Inc.
205 Tunnel Dr.
Cañon City, CO 81212

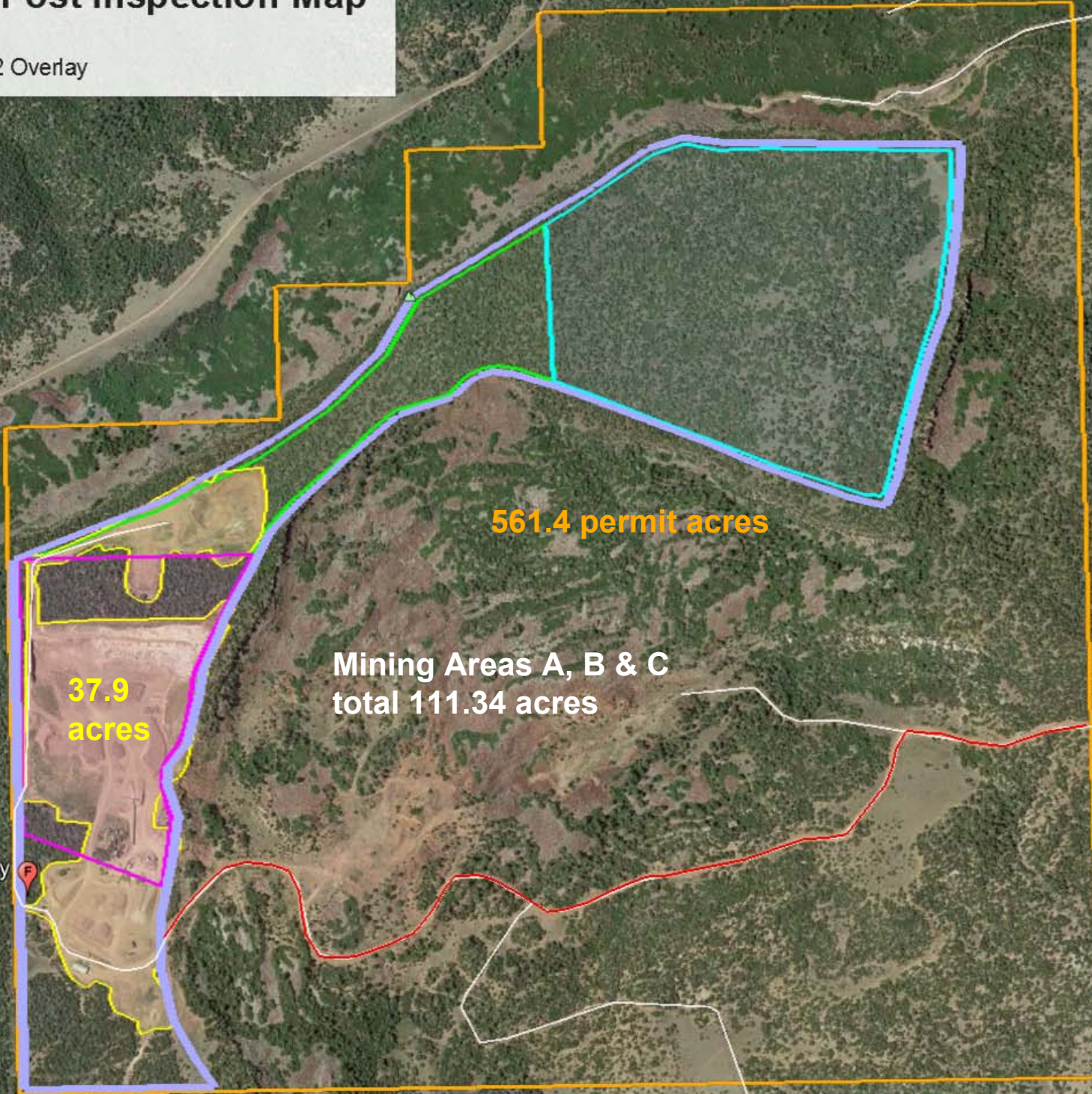
ec: Amy Eschberger
DRMS file
Erica Crosby, DRMS AML
Phil Courtney, SLB

M-1999-004 1/29/2018 Post Inspection Map

Satellite Imagery from 6/9/2017
Permit Boundary from AM-01 Exh. C-2 Overlay

Legend

- Affected Area Boundary
- Area A Mine Boundary
- Area B Mine Boundary
- Area C Mine Boundary
- M-99-04 Access Rd
- M-99-04 Dist Area (6/9/17)
- MLRB Permit Boundary
- Quarry
- Table Mountain



561.4 permit acres

Mining Areas A, B & C
total 111.34 acres

37.9
acres

Table Mountain Quarry

