




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: Young Ranch Resource Quarry	MINE/PROSPECTING ID#: M-2021-009	MINERAL: Granite, granite gneiss and gravel	COUNTY: Gilpin
INSPECTION TYPE: Preoperation Inspection	INSPECTOR(S): Amy Eschberger, Michael Cunningham	INSP. DATE: June 10, 2021	INSP. TIME: 08:30
OPERATOR: Young Ranch Resource LLC	OPERATOR REPRESENTATIVE(S): Robert Young Jr., Katie Todt, Ben Miller, Tyler Worley	TYPE OF OPERATION: 112c - Construction Regular Operation	

REASON FOR INSPECTION: On-Site Meeting	BOND CALCULATION TYPE: None	BOND AMOUNT: No Bond Held
DATE OF COMPLAINT: NA	POST INSP. CONTACTS: None	JOINT INSP. AGENCY: Colorado Parks and Wildlife
WEATHER: Clear	INSPECTOR'S SIGNATURE: 	SIGNATURE DATE: June 22, 2021

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

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

OBSERVATIONS

This was an on-site meeting conducted at the Young Ranch Resource Quarry (File No. M-2021-009) by Amy Eschberger and Michael Cunningham of the Division of Reclamation, Mining and Safety (Division), Brandon Marette, Tim Woodward, Joe Walter, Shannon Schaller, and Joe Halseth of the Colorado Parks and Wildlife (CPW), and Robert Young Jr, Katie Todt, Ben Miller, and Tyler Worley representing the Applicant, Young Ranch Resource LLC. This on-site meeting was requested by CPW to learn more about the proposed project, particularly the proposed wildlife mitigation measures. The meeting took place on the side of Central City Parkway (CCP) in the area of the proposed mine site. While portions of the proposed affected lands were visible from this road, a full inspection of these lands was not conducted during this meeting. A preoperation inspection will be conducted at a later date within the application review period. The site is located approximately 2.5 miles northeast of Idaho Springs, approximately 4.5 miles southeast of Central City, and approximately 5 miles southeast of Black Hawk. The site is situated adjacent to CCP, approximately 1.25 miles north of Interstate-70. **Photos 1-8** taken during the on-site meeting are included with this report.

A 112 construction materials application was filed for the Young Ranch Resource Quarry on May 17, 2021. The Division determined this application to be "complex" pursuant to Rule 1.1(12), which extended the application decision date 60 days beyond the usual 90-day period set for this type of application. This gives a decision date of October 14, 2021. The Applicant began the required newspaper publication in the Clear Creek Courant on June 2, 2021. The Applicant started an additional newspaper publication in The Mountain-Ear on June 10, 2021. These notices will be published once a week for four consecutive weeks, with a final publication date of June 23, 2021 for the Clear Creek Courant, and July 1, 2021 for The Mountain-Ear. Per Rule 1.7.1(2)(a), the public comment period will close 20 calendar days after the last date for the newspaper publication. Therefore, the public comment period for this application will close on July 21, 2021. As of the date of this report, the Division has received only one comment on the application, which was submitted by History Colorado on May 20, 2021.

The application proposes a permit area of 469.7 acres (see enclosed Google Earth image showing approximate location of proposed permit area), with a proposed affected area of 335.4 acres. The proposed permit area straddles the boundary between Gilpin County and Clear Creek County, and includes a section of the CCP. The proposed affected lands are primarily owned by the Applicant, with the CCP and some cut/fill areas adjacent to this road owned by Central City. The proposed permit area is bordered to the west by undeveloped forest, by the CCP to the north, by State Highway 119 and undeveloped forest to the east/northeast, and by the CCP to the south. The project area is predominantly forestland with herbaceous understory, and has an average elevation of 8,100 feet. Topography across the project area consists of steep, rocky slopes that slope downward toward the north (into the Gilpin County side of the permit area) and toward the south (into the Clear Creek County side of the permit area).

The application proposes an open pit quarry operation to extract metamorphic rocks and the overlying gravel for use as construction materials. The operation will utilize blasting methods. On-site processing of mined material will include washing, screening, and crushing. The quarry operation will develop two large excavation areas with highwalls maintained at a benched configuration. Waste material from the operation will be stored at the eastern edge of the affected lands, on the east side of the CCP. The operation will advance through three primary mining phases with reclamation of affected lands occurring concurrently as the operation progresses, thereby minimizing the extent of the unreclaimed disturbance. The application proposes realigning the section of the CCP located within the affected lands to the center of the site during the second mining phase. The affected lands will be reclaimed to support a rangeland and wildlife habitat post-mining land use.

The application proposes maintaining an 81-100 acre deed-restricted wildlife migration corridor along the

southern edge of the permit area during the life of the project. A Wildlife Mitigation Plan was prepared for the proposed operation by Ecological Resource Consultants, Inc. This plan provides an assessment of current conditions, including a description of vegetation communities, and an evaluation of wildlife habitat and use within the footprint of the proposed operation. This plan also describes potential wildlife impacts resulting from the operation, and provides a proactive framework to avoid, minimize, and mitigate potential adverse impacts. The plan proposes specific wildlife mitigation options to be installed during each phase of the project (see enclosed Figures 8-10 - Proposed Mitigation Options for Phases 1-3), including wildlife crossing signs along the CCP and wildlife monitoring cameras at selected locations (during the development phase), wildlife fencing (during mine phase 1), smart technology/underpass wildlife crossings, wildlife exit ramps, and additional wildlife fencing (during mine phase 2), and a 20-40 foot wide wildlife underpass on the realigned portion of the CCP and additional wildlife fencing (during mine phase 3). Additionally, wildlife mitigation structures will be installed along the CCP north of the proposed permit area, between mile markers 4 through 6. No wildlife mitigation is currently present along the CCP.

The proposed wildlife migration corridor and wildlife mitigation options were discussed in more detail during the on-site meeting. CPW informed the Applicant that their review of the proposed operation will be on a site-specific scale as well as on a larger more comprehensive scale which takes into account cumulative impacts to wildlife from various development projects in the area. CPW plans to submit comments on the application within the public comment period. The Applicant stated they look forward to receiving CPW's feedback on their proposed wildlife mitigation plan, and would be willing to incorporate any recommendations they might have. There was some additional discussion regarding the timing of installation of wildlife mitigation structures with respect to the different mine phases and the proposed haul truck traffic routes.

During the on-site meeting, the Division observed the proposed entrances off of CCP to the mining area (west of the road) and the waste rock disposal area (east of the road). A public notice sign was posted at the proposed mine entrance in accordance with Rule 1.6.2(1)(b). A portion of the proposed phase 1 mining area was visible to the west/southwest of the CCP. A portion of the proposed waste rock storage area was visible to the east/northeast of the CCP. The proposed affected lands will be observed in more detail during the preoperation inspection.

The Division is currently reviewing the application and will notify the Applicant of any adequacy items identified in the application which require clarification or additional information.

This concludes the report.

Any questions or comments regarding this inspection report should be forwarded to Amy Eschberger at the Colorado Division of Reclamation, Mining and Safety, 1313 Sherman Street, Room 215, Denver, CO 80203, via telephone at 303-866-3567, ext. 8129, or via email at amy.eschberger@state.co.us.

PHOTOGRAPHS



Photo 1. View of public notice sign posted at proposed mine entrance on west side of Central City Parkway.



Photo 2. View looking west at proposed mine entrance on west side of Central City Parkway.



Photo 3. View looking northwest across proposed phase 1 mining area located just west/southwest of Central City Parkway.



Photo 4. View looking west across proposed phase 1 mining area located just west/southwest of Central City Parkway.



Photo 5. View looking southeast across Central City Parkway from proposed mine entrance on west/southwest side of road.



Photo 6. View looking northwest across Central City Parkway from proposed mine entrance on west/southwest side of road.



Photo 7. View looking north at proposed waste dump entrance (indicated) on east side of Central City Parkway.

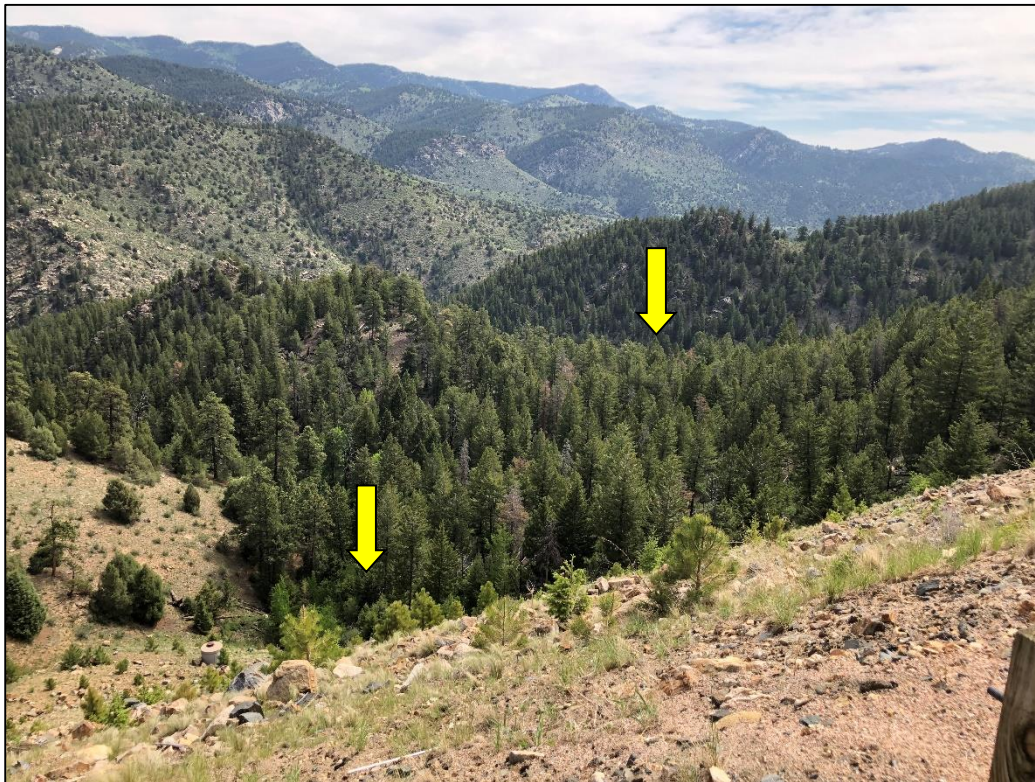


Photo 8. View looking east across proposed waste rock storage area located east of Central City Parkway. Waste rock will be placed in two main drainages in this area (indicated).

Inspection Contact Address

Robert Young Jr.
Young Ranch Resource LLC
5455 Ulysses Street
Golden, CO 80403

Encls: Google Earth image showing approximate location of proposed permit area
Figure 8 - Proposed Mitigation Options for Phase 1, from the ERC Wildlife Mitigation Plan
Figure 9 - Proposed Mitigation Options for Phase 2, from the ERC Wildlife Mitigation Plan
Figure 10 - Proposed Mitigation Options for Phase 3, from the ERC Wildlife Mitigation Plan

CC: Katie Todt, Lewicki and Associates, PLLC
Ben Miller, Lewicki and Associates, PLLC
Brandon Marette, CPW Northeast Region
Michael Cunningham, DRMS

File No. M-2021-009 / Young Ranch Resource Quarry / Young Ranch Resource, LLC

Red Outline = 469.7 acres = Proposed Permit Area (location approximated based on application maps)
(Image data from: 9/29/2020)

Waste-Rock_Entrance

Mine_Entrance

Central City Fxsn

Google Earth

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2000 ft



