




**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.

<b>MINE NAME:</b> Canyon Sand & Gravel	<b>MINE/PROSPECTING ID#:</b> M-1988-057	<b>MINERAL:</b> Sand and gravel	<b>COUNTY:</b> Archuleta
<b>INSPECTION TYPE:</b> Monitoring	<b>INSPECTOR(S):</b> Lucas J. West	<b>INSP. DATE:</b> August 6, 2019	<b>INSP. TIME:</b> 13:15
<b>OPERATOR:</b> Canyon Sand & Gravel	<b>OPERATOR REPRESENTATIVE:</b> None	<b>TYPE OF OPERATION:</b> 110c - Construction Limited Impact	
<b>REASON FOR INSPECTION:</b> Normal I&E Program	<b>BOND CALCULATION TYPE:</b> Complete Bond	<b>BOND AMOUNT:</b> \$1,974.00	
<b>DATE OF COMPLAINT:</b> NA	<b>POST INSP. CONTACTS:</b> None	<b>JOINT INSP. AGENCY:</b> None	
<b>WEATHER:</b> Clear	<b>INSPECTOR'S SIGNATURE:</b> 	<b>SIGNATURE DATE:</b> August 23, 2019	

**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>N</u>	(RD) ROADS----- <u>Y</u>
(HB) HYDROLOGIC BALANCE----- <u>Y</u>	(BG) BACKFILL & GRADING----- <u>Y</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>Y</u>	(FW) FISH & WILDLIFE----- <u>Y</u>	(RV) REVEGETATION---- <u>N</u>
(SM) SIGNS AND MARKERS----- <u>Y</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 and found in compliance / N = Not inspected / NA = Not applicable to this operation / PB = Problem cited / PV = Possible violation cited

## **OBSERVATIONS**

This inspection was conducted as part of the normal monitoring program established by the Colorado Division of Reclamation, Mining and Safety's Minerals Program. The Canyon Sand and Gravel Pit is a 110c operation that is currently listed as active and approved for intermittent status. The site consists of 5 permitted acres which will be reclaimed to support a rangeland post mining land use. Public access to the site is controlled by locked gate where the private access road meet US Forest Service Road 628. The site was not active during the inspection and no Operator representative was present during the inspection. A reclamation cost estimate update was performed as a result of this inspection and staff calculations found that the currently held financial warranty is sufficient to achieve reclamation of the site. Seven Photos accompany this report to illustrate the current site conditions.

The proper mine identification signage was posted at the entrance to the site and can be seen in Photo One. The mining related equipment located on site consisted of a front end loader, crusher and conveyors. The equipment appears to be functional and in good condition and can be seen in Photos Two and Three. Several above ground storage tanks were observed on site and verified to be empty. The Division would like to remind the operator that when the tanks contain fuel they must have secondary containment sufficient to hold the contents of the tank plus 10%.

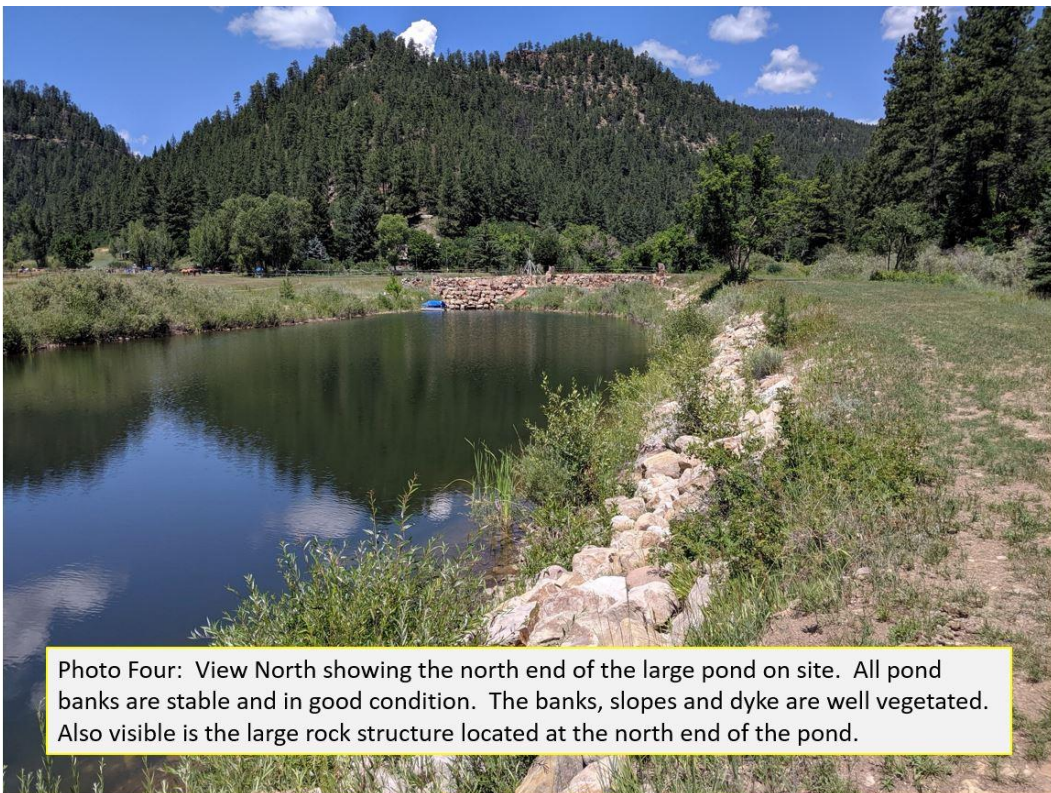
The mining activity has been conducted to create a large pond with a smaller settling pond immediately adjacent. The large pond contains a large peninsula extending into its center. The larger pond can be seen in Photos Four through Six while the smaller can be seen in Photo Seven. The Peninsula appears to be stable and in good condition. All of the pond banks are relaxed to an approximately 3H: 1V or shallower configuration and are well vegetated. No evidence of erosion, settling or slumping was noted on any portion of the pond banks. The North end of the large pond contains a large rock structure complete with fire pit. The construction of the structure appears to be a dry stack configuration of large well placed boulders. The structure is in good condition and appears to be functioning as designed at the time of the inspection. Along the west bank of the river is a large dyke that separates the affected lands from Devils Creek. The dyke is stable and shows no signs of erosion or degradation. Throughout the site no state listed noxious weeds were observed and evidence of chemical treatment of nuisance species was observed.

The overall footprint of the site is in excellent condition. The Division would like to commend the Operator for conducting the mining activity, site maintenance and contemporaneous reclamation in such an impeccable manner. No problems or possible violations were observed. All responses to this report should be directed to Lucas West at the Colorado Division of Reclamation, Mining and Safety at 1313 Sherman Street, Room 215, Denver CO, 80203, by phone at 970-243-6368 or by email at [lucas.west@state.co.us](mailto:lucas.west@state.co.us).

## PHOTOGRAPHS











View south showing the south end of the large pond, taken from the peninsula that extends into the large pond.

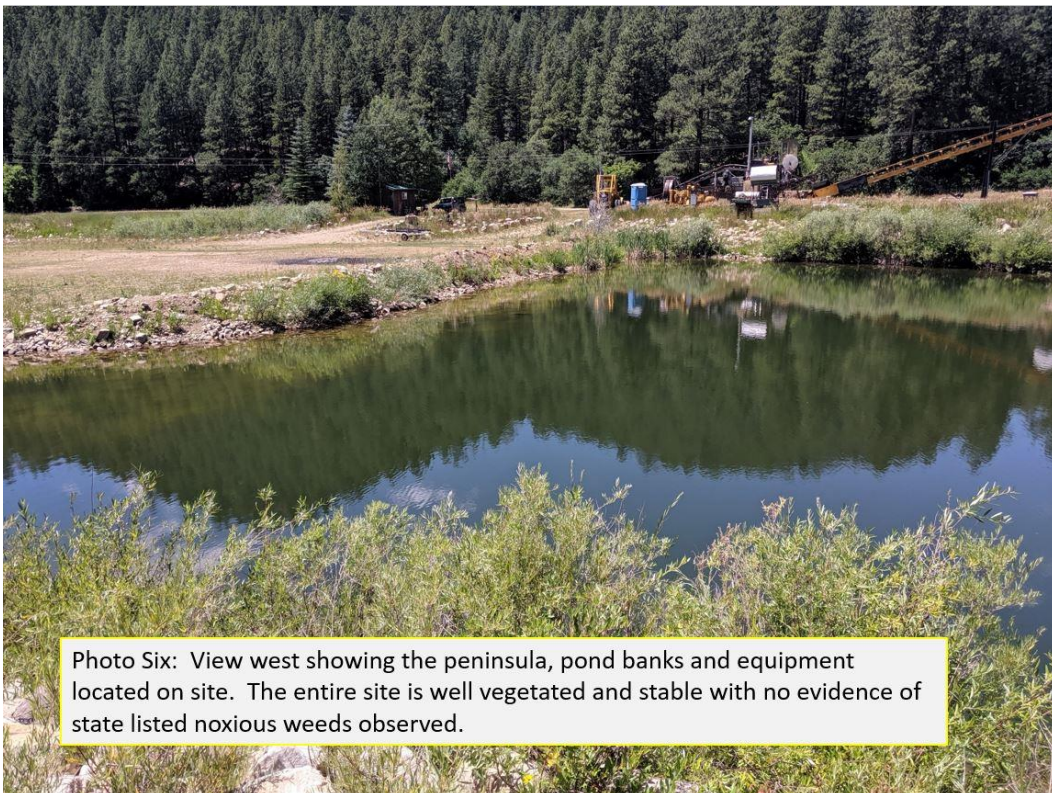


Photo Six: View west showing the peninsula, pond banks and equipment located on site. The entire site is well vegetated and stable with no evidence of state listed noxious weeds observed.





**Inspection Contact Address**

Robert Scott  
Canyon Sand & Gravel  
P.O. Box 1743  
Pagosa Springs, CO 81147