




COLORADO DIVISION OF RECLAMATION, MINING AND SAFETY
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: Bachelor Mines	MINE/PROSPECTING ID#: M-1980-170	MINERAL: Silver	COUNTY: Ouray
INSPECTION TYPE: Monitoring	INSPECTOR(S): Travis H. Marshall	INSP. DATE: September 30, 2015	INSP. TIME: 13:00
OPERATOR: Bachelor Silver Mines Company	OPERATOR REPRESENTATIVE: Carl Dismant	TYPE OF OPERATION: 110(2) - Hard Rock Limited Impact	

REASON FOR INSPECTION: Normal I&E Program	BOND CALCULATION TYPE: Complete Bond	BOND AMOUNT: \$7,693.00
DATE OF COMPLAINT: NA	POST INSP. CONTACTS: None	JOINT INSP. AGENCY: None
WEATHER: Clear	INSPECTOR'S SIGNATURE: 	SIGNATURE DATE: November 19, 2015

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>NA</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>	(SW) STORM WATER MGT PLAN---- <u>Y</u>	(CI) COMPLETE INSP---- <u>Y</u>
(ES) OVERBURDEN/DEV. WASTE----- <u>Y</u>	(SC) EROSION/SEDIMENTATION--- <u>Y</u>	(RS) RECL PLAN/COMP-- <u>Y</u>
(AT) ACID OR TOXIC MATERIALS----- <u>NA</u>	(OD) OFF-SITE DAMAGE----- <u>Y</u>	(ST) STIPULATIONS----- <u>NA</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. The Bachelor Mine (Syracuse Portal) operation is an active 110(2) underground mine. The commodity mined is silver. The mine currently consists of 4.4 permitted acres. The mine site is located approximately 2.5 miles north of Ouray Colorado off of County Road 14. Bachelor Silvers Mines Company representative Carl Dismant was present during the inspection.

The mine identification sign was observed at the entrance to the mine site and is in compliance with Rule 3.1.12.

The main focus of the inspection was to observe the current conditions of the site and determine if any issues needed to be addressed.

The primary use of the Syracuse Portal has been a tourist mine however low volume mining takes place on a regular basis. The Khedive Portal serves a purpose as ventilation and a secondary escape way for the Syracuse Portal. The Khedive Portal is permitted under a different permit, M-1980-171, also owned by Carl Dismant. The Syracuse Portal was converted into a tourist mine in the late 1980's. The operator desires to maintain both of the DRMS reclamation permits with hopes of reactivating the mining operation.

The portal has a water discharge of approximately 100 gallons per minute. The portal water enters Lake Lenore Estates and does not discharge to a live stream channel. The mine water appeared clear and no evidence of iron staining or metals precipitation was observed. The operator provided the DRMS a lab report for the mine water quality which was tested on October 4, 2014. The lab report is enclosed with this inspection report.

Overall the site was in good condition and no unnecessary debris or trash was observed during the inspection.

No erosion or sedimentation issues were noted. There are no major or minor drainage issues within the permit area that warrant addressing.

Responses to this inspection report should be directed to Travis Marshall at the Division of Reclamation Mining and Safety Grand Junction Field Office, 101 South 3rd Street, Suite 301, Grand Junction, Colorado 81501 phone no. (970) 241-2042.

PHOTOGRAPHS





Inspection Contact Address

Carl F. Dismant
Bachelor Silver Mines Company
325 5th St
Ouray, CO 81427

Enclosure(s): Grand Junction Laboratories Water Quality Report

JOHN C. KEPHART & CO.
GRAND JUNCTION LABORATORIES

435 NORTH AVENUE ♦ PHONE: (970) 242-7618 ♦ FAX: (970) 243-7235 ♦ GRAND JUNCTION, COLORADO 81501

RECEIVED

— ANALYTICAL REPORT —

Received from: **OCT 02 2015** Carl Dismant, Bachelor Silver Mines
GRAND JUNCTION FIELD OFFICE PO Box 965
DIVISION OF Ouray, CO 81427
RECLAMATION MINING & SAFETY 970-325-4665

Customer No. _____ Laboratory No. 8081 Sample water

Date Received 10/24/14 Date Reported 12/8/14

Lab number 8081
Sample ID Lower Dexter Creek Khedive
Bachelor Silver Mines Co.
10/4/14 3:10 PM

Date
Tested

pH	7.40	10/24/14
Sulfate(SO ₄)	5.6 mg/l	10/24/14
Total Zinc(Zn)	0.081 mg/l	12/8/14
Total Cadmium(Cd)	0.0000 mg/l (<0.0002)	12/2/14
Total Lead(Pb)	0.000 mg/l (<0.001)	12/8/14
Total Iron(Fe)	0.02 mg/l	11/6/14
Total Manganese(Mn)	0.005 mg/l	12/8/14
Total Copper(Cu)	0.000 mg/l (<0.001)	12/8/14
Total Silver(Ag)	0.0000 mg/l (<0.0002)	11/10/14

Lab Number 8082
Sample ID Upper Dexter Creek Khedive
Bachelor Silver Mines
10/4/14 3:30 PM

Date
Tested

pH	7.40	10/24/14
Sulfate(SO ₄)	3.4 mg/l	10/24/14
Total Zinc(Zn)	0.045 mg/l	12/8/14
Total Cadmium(Cd)	0.0000 mg/l (<0.0002)	12/2/14
Total Lead(Pb)	0.000 mg/l (<0.001)	12/8/14
Total Iron(Fe)	0.03 mg/l	11/6/14
Total Manganese(Mn)	0.005 mg/l	12/8/14
Total Copper(Cu)	0.003 mg/l	12/8/14
Total Silver(Ag)	0.0000 mg/l (<0.0002)	11/10/14

Lab Dir.: Brian S. Bauer