Minerals and Geology Program
Inspection Report
San Juan National Forest
Tres Rios Field Office
29211 Hwy 184
Dolores, CO 81323

Type of Operation	228 A Plan of Operations	**Project Name**	La Plata Copper
Serial Number	0213-POO-2021-02	**Company/Org.**	Metallic Minerals
Conditions	Mostly Dry, Warm, Mostly Sunny	**Others Present**	None
Inspection Time	12 to 4 PM	**Inspected By**	James Blair
Ranger District	Columbine	**Legal**	T4N, R11W, Sec 04, 09
Inspection Date	7/27/2023	**Report Date**	8/2/2023
Author Signature	JAMES BLAIR Digitally signed by JAMES BLAIR Date: 2023.08.07 11:17:08 -06'00'	**Mgmt. Acknowledgement**	NICHOLAS GLIDDEN Digitally signed by NICHOLAS GLIDDEN Date: 2023.08.07 15:17:14 -06'00'

Summary

On July 27, 2023 I performed a pre-work inspection of the Metallic Minerals copper drilling project in La Plata Canyon. The project had been narrowed down to 7 boreholes on 3 different drill sites within an existing road (793 OHV Spur) that goes up the north side of the Bedrock Creek drainage (Figure 1), boreholes at other locations and all helicopter operations have been dropped. The access road is rough, but very solid and has a running surface made of native rock and what looks like it may be mine waste rock. I think it should be able to handle the traffic from the proposed project. The day prior to the inspection I received a call from a gentleman who has a residence along La Plata Canyon Road. He was concerned that the proposed borehole drilling would impact his well, which he says is drilled in the same formation as the boreholes are proposed in.

I parked my vehicle at the La Plata City Campground at around noon. The weather was warm, but partly cloudy after a long period (~6 weeks) of hot and dry weather, however the winter was one of the most severe on record and snow had only melted off entirely in the project area within the previous few weeks. Snow was visible near the higher peaks on shady aspects or where drifts or avalanches resulted in a thick base. Rather than drive, I chose to walk the road up to the sites. At location B of figure 1, I encountered an outcrop of in-place rock. It appeared to be an altered igneous rock with abundant sulfide mineralization. I did not observe any snow or avalanche debris on the way up. I did not encounter any people during the inspection. Each of the three drill sites was documented and there was no sign that drilling activity had yet occurred. There was an open adit and daylighted stope or open pit near the uppermost proposed drill site. There was a fence around the open stope, but it had been partially torn down. I also observed a stock water pond fed by a trickle of surface water. There were newts in the pond. On the way back, at the same pond, I noticed what appeared to be a capped-off spring improvement, well casing, or borehole that was about a foot above ground level that was seeping water, indicating some sort of artesian flow. The majority of water filling the stock pond appeared to be coming from a small surface drainage with a flow rate comparable to a garden hose. The map below shows the locations of proposed boreholes and other points of interest. Captioned photos of each of these points and the borehole locations are below in this report.

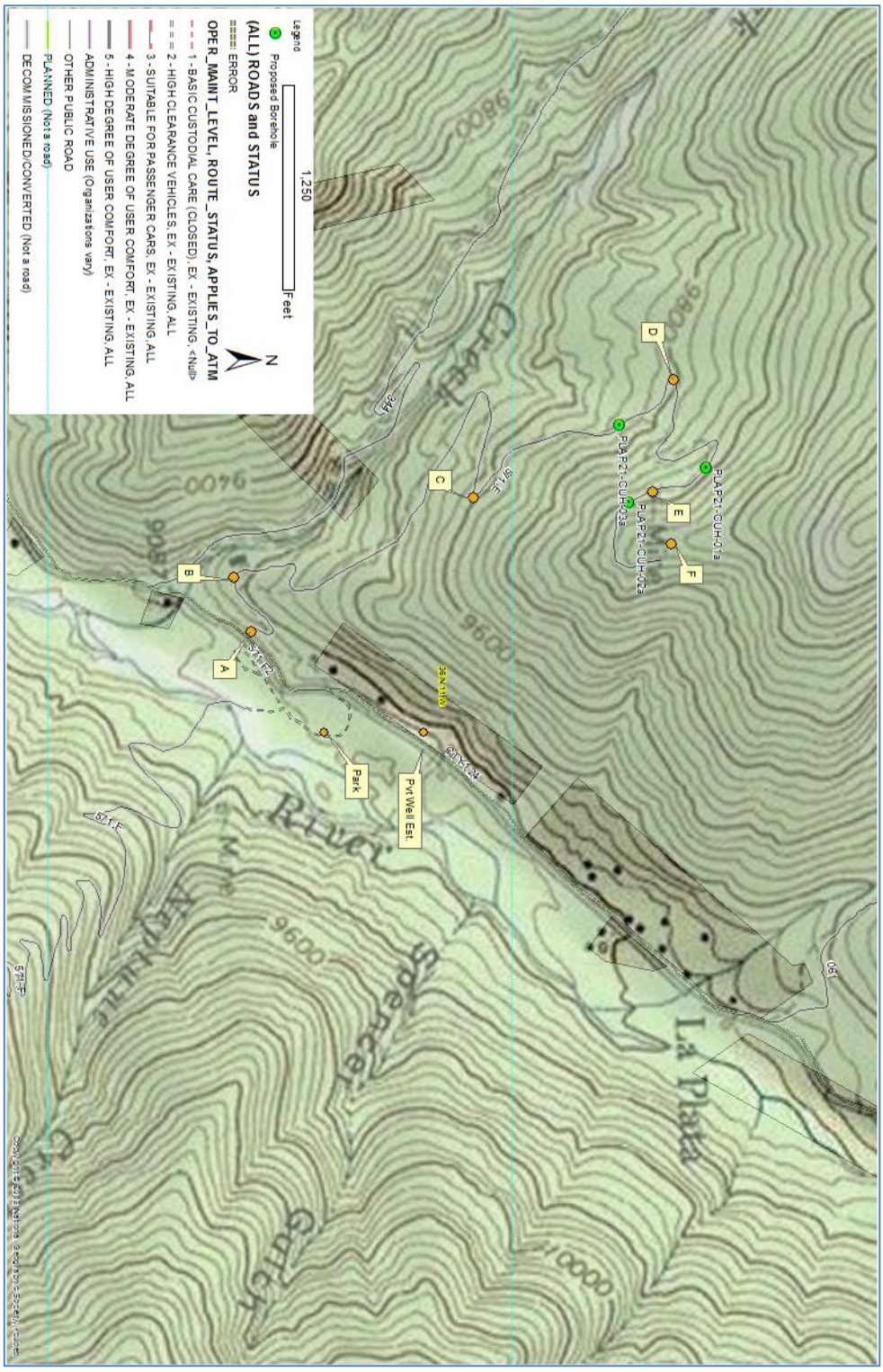

Figure 1: Map showing locations of proposed boreholes and selected features identified in report. The unshaded polygons are private lands, which are presumably patented mining claims. A= junction with main road. B = Mineralized outcrop. C Hairpin turn. D = Stock Pond. E= Abandoned Mine Features. F = End of road at ridge crest above top hole and AML Features. Proposed drill pad locations noted by site numbers. Parking location and the approximate location of the private residence/well are also identified.

Figure 2: Forest Route 793. Bedrock Creek OHV Spur road that is to be the access to the site. This photo was take at the bottom near the intersection with the La Plata Canyon Road. The view is looking north at location A on Map.

Figure 3: Lowest in-place rock outcrop observed during inspection. The rock appeared to be hydrothermally altered, intermediate composition igneous intrusive with sulfide mineralization visible on fresh surfaces which appeared to include pyrite, and possible galena and chalcopyrite. Hammer for scale. View is looking north at location B on the map.

Figure 4: Photo looking east and downhill at the 2nd hairpin turn from the bottom. There is a large turnout that is overgrown at the point of the hairpin turn. This is a photo-point to compare after the drilling is completed. I don't think the turnout is reclaimed so much as there has been some volunteer vegetation from lack of travel due to the tight turning radius of UTVs (yellow). View is looking southeast at location C on the map.

Figure 5: Photo looking uphill to the northwest location C on the map.

Figure 6: Borehole CUH-03a proposed location looking downhill to the east. There is nothing remarkable about the location that can be observed at the surface. The point is labeled on the map.

Figure 7: Proposed Borehole CUH-03a. The view is looking uphill to the west. The location is labeled on the map.

Figure 8: Hairpin Turn by stock pond between CUH-03a and CUH-01a looking east from location D.

Figure 9: Stock pond located at hairpin in previous photo. There is what appears to be a leaking, capped off well or borehole casing that is seeping water out of the welded cap. Location D on map.

Figure 10: Aquatic stage of western barred salamander found in pond. Location D on Map.

Figure 11: CUH 01a. View looking northwest and downhill at CUH-01a.

Figure 12: view looking southeast and uphill from CUH-01a.

Figure 13: Ground surface at CUH-01a.

Figure 14: Abandoned mine features located just west of CUH-02a. There is a partially collapsed adit about 6 feet wide by 4 feet high (A) that presumably connects underground to a large "glory hole" – a large open stope mined to the surface (B). Fencing around the open stope has been torn down (C). Safe foot access to the opening of the stope is shown by the dashed line at D. Photo is looking east at location E on the map.

Figure 15: Partially Collapsed Adit (A). Location E on the map.

Figure 16: Large daylighted stope. You can see downed fence. Size is ~30 feet wide by unknown depth. Location E on the map.

Figure 17: Specimen of copper mineralized rock found at the mine opening near CUH-02a. Location E on the map.

Figure 18: Site CUH-02a looking downhill to the north towards the mine opening about 50 yards away.

Figure 19: View of CUH-02a looking uphill to the south.

Figure 20: The view looking south from the top of the hill and down La Plata Canyon at location F.