

Appendix A

FIELD MAPPING PHOTOGRAPHS



Photo 1: View of the Mid Continent Mine, west face on the left and East Face on the right. The January 2023 headwall ground event can be seen on the left, releasing on a consistent, NE-dipping joint plane. (1/26/23 Photo# 0613)



Photo 2: Overview of the January 18, 2023 ground event on the West Face. Rubble path and pile at left. The two upper units of the limestone are visible with bedding acting as the slide plane. (1/26/23 Photo# 0578)



Photo 3: Side view, looking east, of the two upper units of the limestone with bedding acting as the slide plane. (1/26/23 Photo# 0598)



Photo 4: Icicles were formed particularly along the basal contact of the upper limestone bed. (1/26/23 Photo# 0584)



Photo 5: Side view, looking west, of the two upper units of the limestone of the East Face. The West Face ground event can be seen in the background along strike. (4/14/23 Photo# 2014)



Photo 6: Bedding plane of upper limestone unit exposed within the East drainage. Plane has very high persistence, planar, moderately rough, JRC 10-12. (4/14/23 Photo# 2016)



Photo 7: Bedding plane of upper limestone unit on the East face with the secondary joint release plane defining the structure of the outcrop. (4/14/23 Photo# 2023)



Photo 8: Open aperture of the upper and lower limestone bed where the interbed has been eroded back 3 – 5 feet from the outcrop face. Asperities and direct connections between the two limestone beds creates a rough to very rough surface. (4/14/23 Photo# 2023)



Photo 9: Stalactites formed from CaCO_3 water leeching down the face of the limestone and along the basal contact adhering the two beds together. Other young stalactites can be seen. (4/14/23 Photo# 2023)



Photo 10: Location of exposed interbed of Photos 11 and 12 eroded back from outcrop face approximately 3 ft (4/14/23 Photo# 2024)



Photo 11 and 12: Interbedded material exposed at the East Face is a weak, cemented mudstone with clasts of limestone.
(4/14/23 Photos# 2028 and 2025)



Photo 13: Bedding plane and limestone outcrop on the western extent of the East Face with the West face ground event visible in background along strike. The Bedding plane is undulating and rough with CaCO₃ stalactites and asperities of hard crystals. (4/14/23 Photo# 2032)



Photo 14: Looking up and north at the East Face. The bedding breaks defining the upper limestone beds are apparent. The East drainage on the right defines the eastern limit of operations. (4/14/23 Photo# 2002)