

RMR Aggregates, Inc. Rock Failure Analyses and Stabilization Report Mid Continent Limestone Quarry

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)



Site Photographs



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)

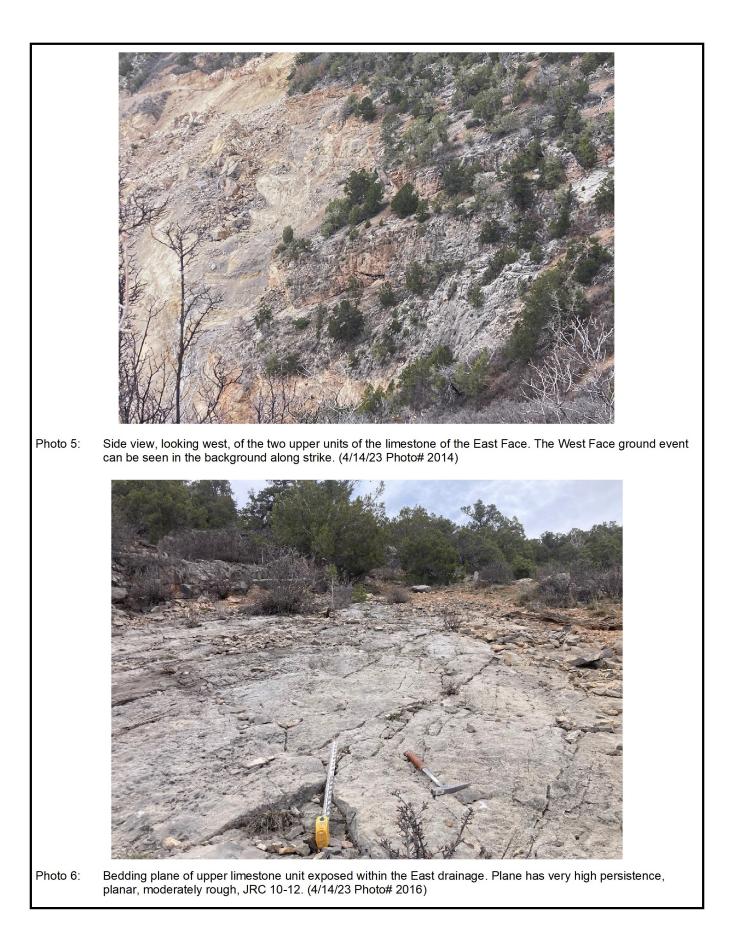


Photo 4:

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



Site Photographs



KILDUFF UNDERGROUND ENGINEERING, INC.

Site Photographs



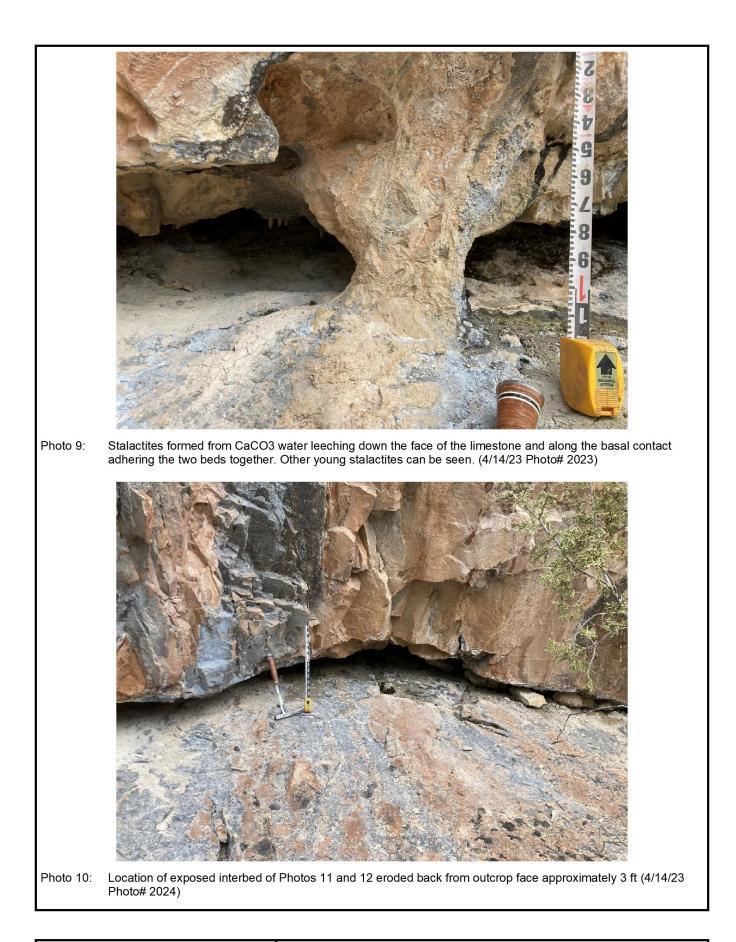
Photo 7: Bedding plane of upper limestone unit on the East face with the secondary joint release plane defining the structure of the outcrop. (4/14/23 Photo# 2023)



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



Site Photographs





Site Photographs





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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)



Site Photographs