





The Morrison Formation in Northeastern New Mexico Preston Dupree, Sam Totz, John Holbrook Geology Department, Texas Christian University



Discussion / Future Work

This study of the Jurassic Morrison Formation in northeastern New Mexico is the first of its kind in the area:

- All outcrops had to be discovered by systematically driving across the field area o Northern portion of study area still needs to be evaluated
- Both large scale and detailed work is being conducted in the area o Architecture work o Facies descriptions
- o Stratigraphy
- Outcrops still need to be photographed by drone
- o Photomosaics and drawing surfaces Ur/Pb dating of carbonates in the Tidwell/Summerville

Problems

Some of the problems that have been encountered trying to collect data in this area of New Mexico:

- Gaining access to outcrops on private land
- Anticipated results could change based on data collected
- Three dimensional outcrops for paleocurrents
- Highly variable weather
- Finding outcrops containing all members
- Erosional surfaces and sections covered by vegetation
- Outcrops that are accessible only to the drone
- Few detailed geologic quadrangle maps in the area

References

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