



**SEG
2018**

Metals, Minerals, and Society

Keystone, Colorado, USA
September 22-25, 2018



SEG 2018 Field Trip Itinerary (Preliminary)

FT06 - Paradox Basin Fluids and Colorado Plateau Copper, Uranium, and Vanadium Deposits

www.seg2018.org/field-trips.html#6

Date: September 25-28, 2018

Location: Departing from and returning to
Keystone, CO, USA

Leaders: Isabel Barton, Mark Barton, Jon P. Thorson

Included: Accommodations in shared room,
transportation, two box lunches (day 2 and day 3).

Not Included: Meals, except for box lunches.



The evaporitic Pennsylvanian Paradox Basin has a long history of generation of acidic bleaching fluids associated with petroleum systems. These fluids have bleached large areas of permeable sandstone on the Colorado Plateau, and bleaching alteration prepared the host rock to trap copper from metal-bearing brines that entered the rocks later and created disseminated Cu(+Ag) deposits in bleached sandstone. This trip will explore the geological, geochemical, and timing relationships among multiple types of basinal fluids and the widespread copper and U+V mineralization in the Uravan mineral belt and Lisbon uranium district, supported by current research results and grants from Keck Foundation and National Science Foundation.

Itinerary

Day 1 - Tuesday, September 25, 2018

■ 5:30pm - 8:00pm: Travel from Keystone to Grand Junction, Colorado.

Accommodation

Days Inn, 708 Horizon Drive, Grand Junction, Colorado 81506
+1 (970) 628-3941

Day 2 - Wednesday, September 26, 2018

■ 7:00am - 6:00pm: Travel from Grand Junction to Naturita, Colorado, via Unaweap Canyon, Gateway, Sinbad Valley, Paradox Valley, and Cashin copper mine.

Accommodation

Rimrock Motel, 123 East Main Street, Naturita, Colorado 81422
+1 (970) 865-2500

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Itinerary *(cont.)*

Day 3 - Thursday, September 27, 2018

- 7:00am - 6:00pm: Travel from Naturita, Colorado, to Moab, Utah, via Monogram Mesa (Uravan Uranium District) and Lisbon Anticline.

Accommodation

Moab Valley Inn, 711 South Main Street, Moab, Utah 84532
+1 (435) 259-4419

Day 4 - Friday, September 28, 2018

- 7:00am - 12:00pm: Travel from Moab, Utah, to Keystone, Colorado, with a stop at Grand Junction airport.

Leaders

Isabel Barton

University of Arizona
Paradox Basin Paleofluids
Research Group

Phone: +1 (520) 621-4962
E-mail: fay1@email.arizona.edu

Mark Barton

University of Arizona
Paradox Basin Paleofluids
Research Group

Phone: +1 (520) 626-4962
E-mail: mdbarton@email.arizona.edu

Jon P. Thorson

Field Trip Organizer

Consulting Geologist,
Paradox Basin Paleofluids
Research Group

Phone: +1 (303) 514-9160
E-mail: jonpthorson@gmail.com