

## **Pawnee Buttes – Two Creeks Barite & Calcite Geodes Field Trip**

**Date:** Saturday, June 15, 2024

**Time:** 7:00 am to 2:00 pm

Please join 11-year-old Emilyn Bubb and her father Tony for a day of collecting barite crystals and small calcite geodes on the Pawnee National grasslands.

As with all trips led by Emilyn, this one is intended to be appropriate for junior geologists and their families.

Due to the rugged terrain and plentiful cacti, the trip is appropriate for ages 7 and up with at least one adult per child attendee.

We will meet at 7:00 am at a park and ride location near I-25 and Hwy 52. Then drive approximately 2 hours to a remote location in Northeast Colorado, 20 minutes north of Stoneham.

Upon arrival we will pack up for a one mile Plus Trek off trail, across prairie and creek beds to reach a site that we have found productive.

We will stay and collect in the general area for a few hours.

Attendees should bring tools for surface gathering such as a trowel or hammer and a canvas bag. Small calcite geodes and blue barite crystals will certainly be found by all collectors, but large and complex samples are less common.

A hammer and perhaps a chisel can be useful for those who want to break through the sedimentary rock to try to find more samples, but this will not be necessary at all.

Attendees should wear cactus proof footwear if possible, such as full leather boots, Sun blocking clothing, a wide rim hat, and sunscreen. Protective eyewear is a must, and sunglasses are a good idea.

Attendees should bring a snack or lunch and plenty of water and plan for about 3 hours away from the vehicles.

Club members who have signed up and filled out the waiver can stay as long as they want to collect after the trip leads have gone home. If you do plan to stay, a smartphone with a satellite view map may be useful for returning to your vehicle without too much wandering.

Please reach out to the trip leaders if you have any questions.

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