



Cave Survey Synopsis

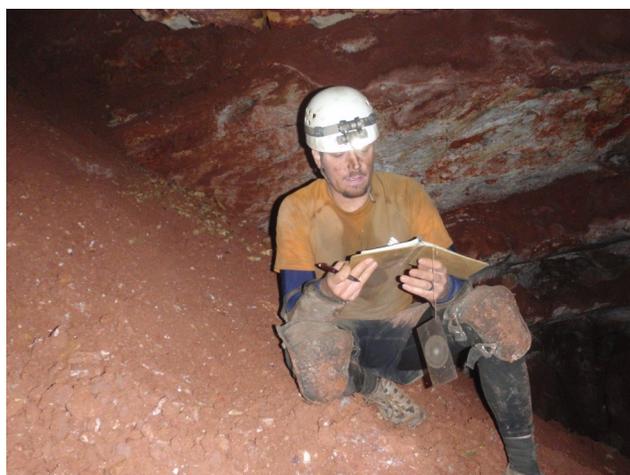
February 9, 2013

Team members:

Kelly Mathis (trip leader) Cheryl Mayer
MaryBeth Wells Bruce White

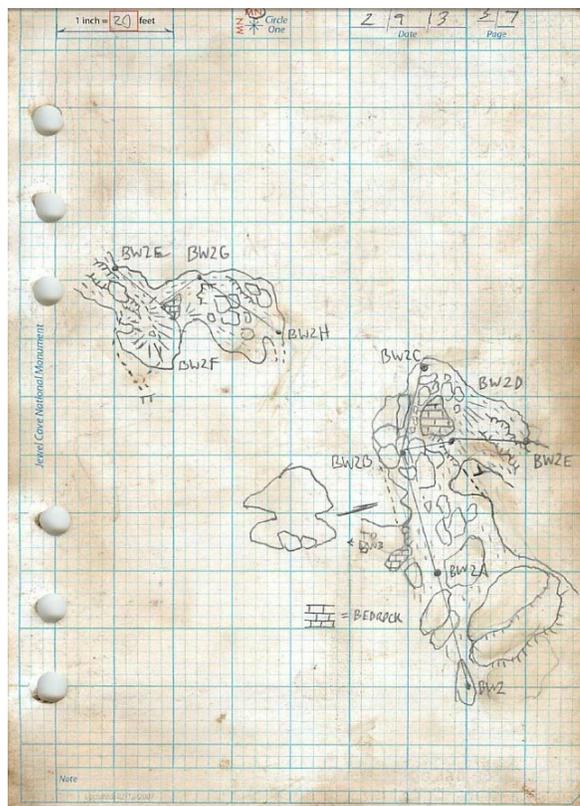
This was a 17-hour trip to an area near Cloud Nine, one of the cave's largest rooms. Reaching Cloud Nine involves traveling through the Miseries, a series of crawls that is 1,800 feet long. Beyond the Miseries, cavers must travel up and down over large boulders and worm their way through convoluted passages for another two miles before reaching Cloud Nine.

The team's objective was to survey leads in the BW survey, which had been left by another team in 1992. Cavers had explored other passages along the BW survey on a previous trip in November and December 2012, and had found that there was much more left to do in this area.



Bruce records the data and sketches a map of the passage. NPS Photo.

The team surveyed leads at BW2, BW4, BW12, and BW19, and although none of the leads went far, they contained some interesting features, including some very large nailhead spar crystals.



A page of survey notes. NPS Photo

The cavers reached the surface at 1:30 a.m., 5 1/2 hours after leaving Cloud Nine. A total of 455.80 feet were surveyed on this trip.

The current length of Jewel Cave is 164.77 miles.



Large nailhead spar crystals near BW12AC. NPS Photo.

New Jewel Cave Survey

February 9, 2013

Historic
Entrance

Elevator
Entrance

Cloud
Nine

— New Survey
455.80 feet

