

# Jewel Cave National Monument

## Cave Survey Synopsis

Field Work Conducted January 10, 2013



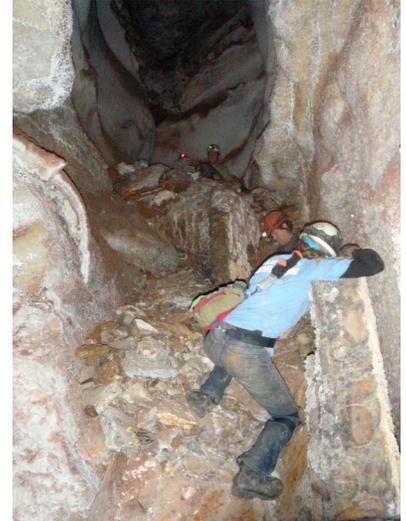
### Team members:

Kelly Mathis (trip leader)

Miranda Challeen

Jessica Reese

Tyler Devine

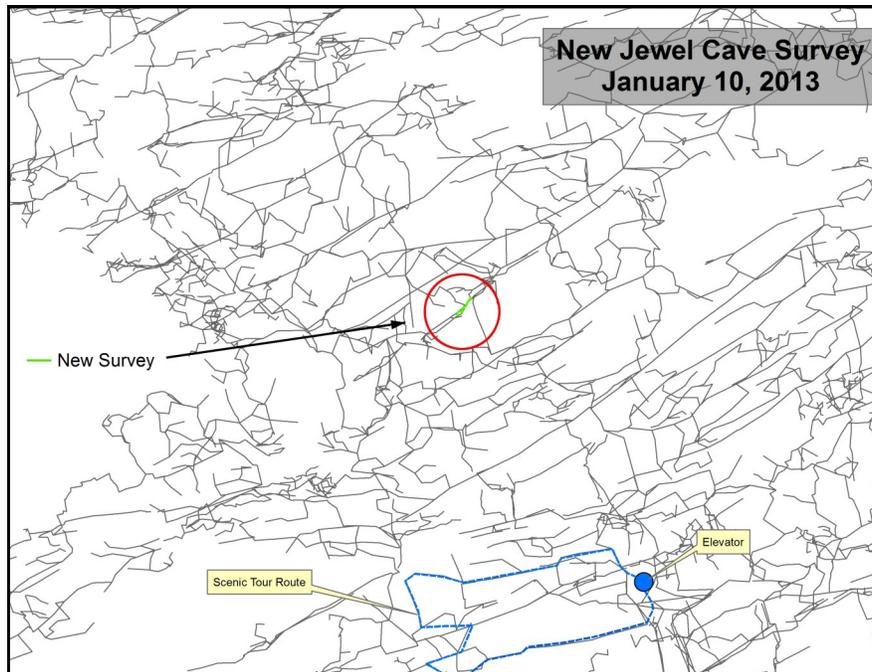


*Left: Miranda Challeen in a large passage on the G survey.*

*Right: Tyler, Kelly, and Miranda conduct the survey. Miranda reads the compass and clinometer, sighting on the red light that Tyler is holding on the new survey station. Kelly records the data in a survey book and draws the cave passages to scale.*

This was a short survey trip to the RC, HP, and G surveys, just north of the Scenic Tour route. This area of the cave had last been visited in 1968, by Herb and Jan Conn!

The team's objective was to go to leads that had been marked on the map by the Conns, and to document anything found beyond.



They began by looking for additional passages in an area called "Red Carpet Loft," but found that there were no leads there to explore. Survey stations RC1-4 and HP1-7 were thoroughly checked, and nothing remains to be mapped.

Next, they surveyed 90 feet in a lead going southwest from survey station G7F. The passage ended at a 30-foot-high ledge, which connects to the

main G survey below and would require a hand line (rope aid) to negotiate.

The team went out the way that they came in, and exited the cave at 10:50 p.m.

***The current length of Jewel Cave is 164.38 miles.***