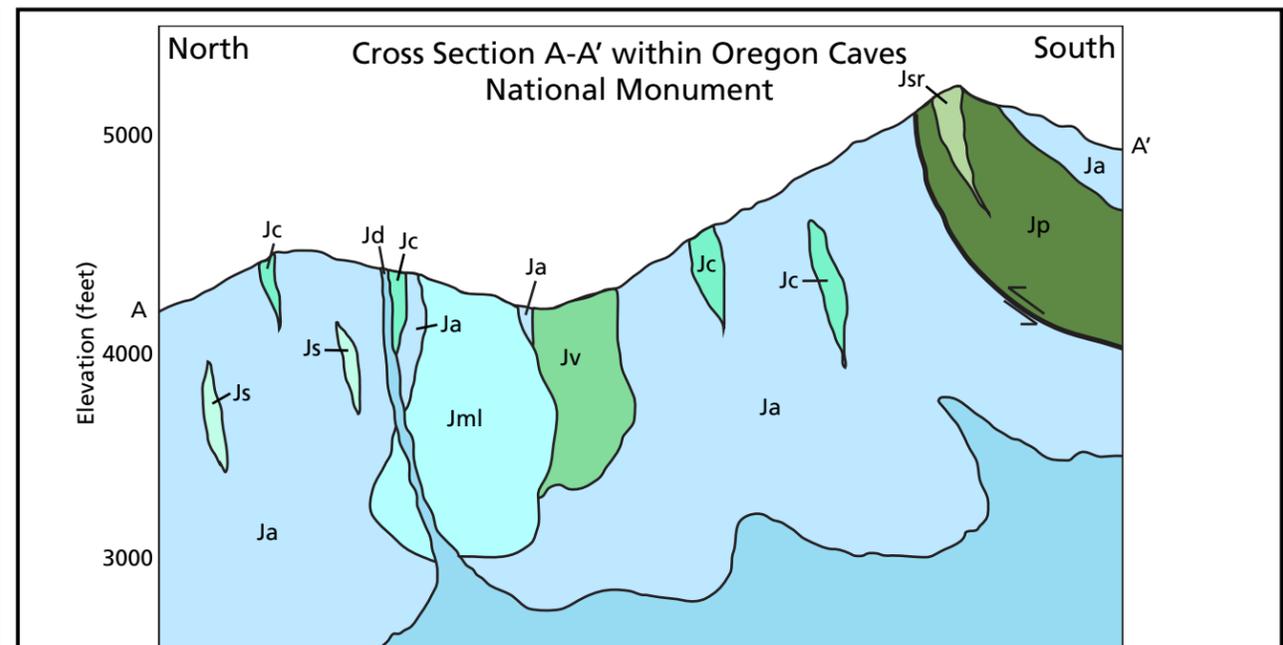
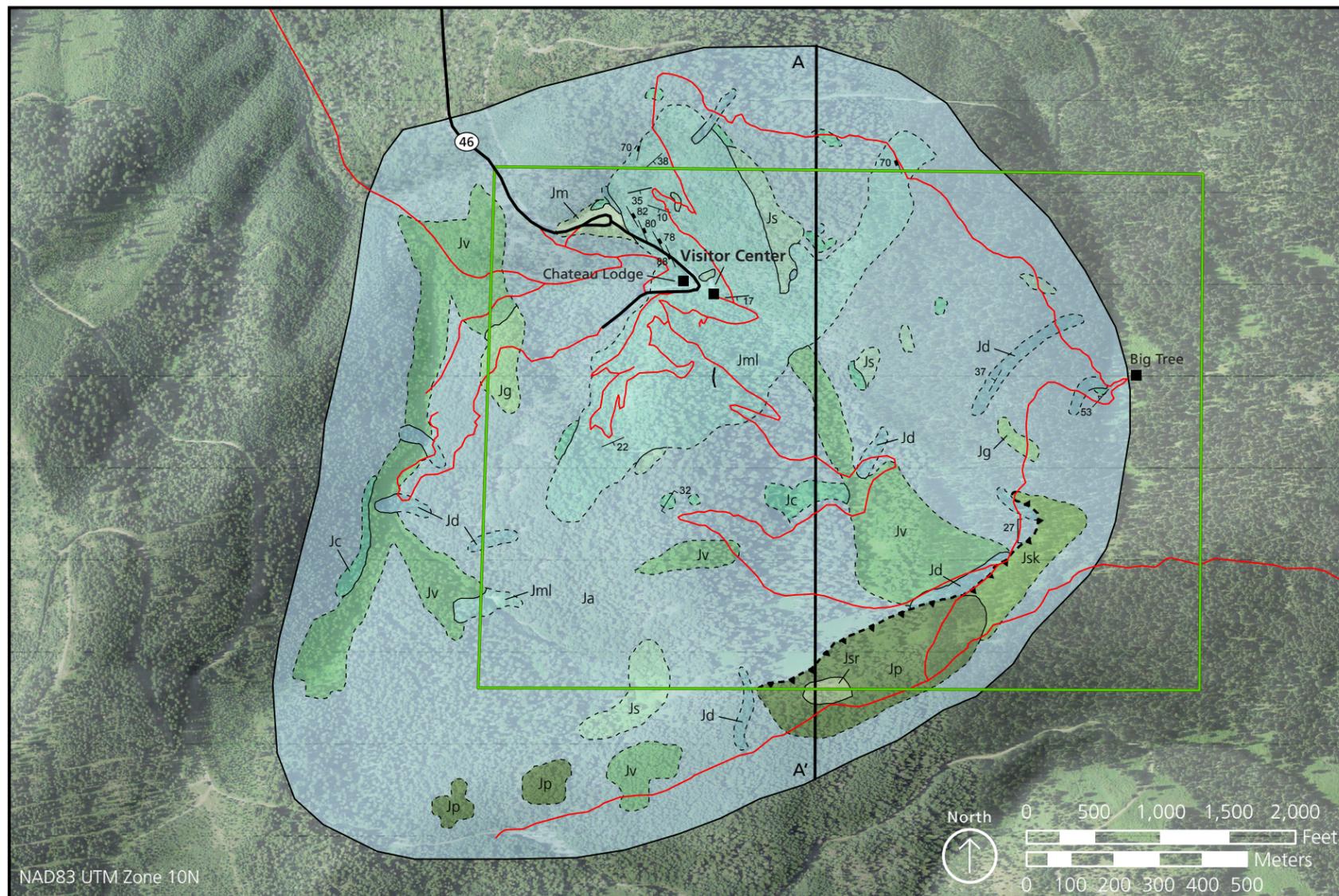




Overview of Digital Geologic Data for Oregon Caves NM



Cross Section across the geologic map of Oregon Caves National Monument showing hypothesized “fruitcake” geology of the Rattlesnake Creek Terrane and thrust fault in the south superposing Jurassic peridotite (Jp) over the Jurassic argillite mélange (Ja) (Barnard 2007).

NAD83 UTM Zone 10N

This figure is an overview of compiled digital geologic data. It is not a substitute for site-specific investigations. Refer to report text for information about new geologic mapping completed during final production of this publication.

Minor inaccuracies may exist regarding the location of geologic features relative to other geologic or geographic features on the figure. Based on the source map scale (1:10,000) and U.S. National Map Accuracy Standards, geologic features represented here are within 5 meters / 16 feet (horizontally) of their true location.

This figure was prepared as part of the NPS Geologic Resources Division’s Geologic Resources Inventory. The source map used in creation of the digital geologic data product was:

Barnard, K.N. 2007. Geologic mapping of Oregon Caves National Monument, Cave Junction, Oregon; Report to GeoCorps, Structural Geology and Tectonics Posters, Vol. 39, No. 6, p. 239. Geological Society of America Abstracts with Programs.

Digital geologic data and cross sections for Oregon Caves National Monument, and all other digital geologic data prepared as part of the Geologic Resources Inventory, are available online at the NPS Natural Resource Information Portal: <https://nrinfo.nps.gov/Reference.mvc/Search>. (Enter “GRI” as the search text and select Oregon Caves National Monument from the unit list.)

NPS Boundary



Park Trails



Attitude and Observation Localities

- | strike and dip of inclined beds
- [strike and dip of inclined cleavage
- | strike and dip of inclined foliation
- | strike and dip of inclined joints
- | dip of inclined contact, dip direction indicated

Cross Section



Faults

- ▲-▲ thrust fault, inferred, teeth on upthrown side

Geologic Contacts

- known or certain
- - - - inferred
- map boundary

Geologic Units

- Jd - Grayback Pluton; dikes
- Jml - Rattlesnake Creek terrane; marble
- Ja - Rattlesnake Creek terrane; argillite
- Js - Rattlesnake Creek terrane; metasediments
- Jc - Rattlesnake Creek terrane; metachert
- Jv - Rattlesnake Creek terrane; metavolcanics; basalt
- Jg - Rattlesnake Creek terrane; gabbro
- Jm - Rattlesnake Creek terrane; mélange
- Jsk - Rattlesnake Creek terrane; skarn
- Jp - Rattlesnake Creek terrane; peridotite
- Jsr - Rattlesnake Creek terrane; serpentinite