Zeolite Mine, Spring Mountains, Nye County Nevada

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Acknowledgement and Disclaimer

The information in this paper is taken largely from published and public sources. I have reproduced this material and present it pretty much as we found it, not trying to harmonize discrepancies in mine or geologic descriptions. I have changed verb tenses for readability and have used some paraphrase. I have expanded abbreviations or special characters with full text (e.g. feet instead of ft., inches instead of “) Italics indicate quotations. Authors of the original information are indicated at the end of each paragraph. Paragraphs without a citation are our own materials. The maps in this report have been compiled and rectified from digital and paper copies of original sources that were made at different scales and in different geographic projections. Therefore, many of the maps had to be adjusted or stretched. They do not fit perfectly. Most are accurate to within 100 feet, but reproduction and projection errors can be as much as 300 feet for some maps. PLSS means Public Land Survey System. That survey data was obtained from the U.S. Bureau of Land Management website.

MRDS, 2011, Mineral Resources Data System, U.S. Geological Survey, https://mrdata.usgs.gov/mrds/. This database relies on records that, in many cases, are inaccurate or imprecise. For example, if a report describes a mine as being in “Section 9”, with no other information, MRDS plots the mine location in the center of the section. If a mine is reported in “SW ¼” of a section, MRDS plots the mine in the center of that SW quarter-section. Where I could confidently adjust a MRDS location of a mineral deposit to features identifiable in aerial photographs or topographic maps, I did so.

Help me make this report better. If you have any photographs, memories or reports for this mine that you can share, please send them to yosoygeologo@gmail.com so that I can incorporate that information and material into this paper.

LOCATION (MRDS, 2011)

36.417780 -116.185800 T.18S R.51E Sec 01

PREVIOUS NAMES

HISTORY AND OWNERSHIP

REGIONAL GEOLOGY

The regional geology of the central Spring Mountains is described in the overview paper for this report series. It can be accessed at

http://www.greggwilkerson.com/uploads/1/0/6/5/106585235/geology_and_mining_history_of_the_central_spring_mountains.pdf

STRATIGRAPHY

The host rocks at the Zeolite mine are Quaternary alluvial sediments.

MINE GEOLOGY

Little surface disturbance is seen an aerial photographs of the MRDS (2011) datapoint for this mine.

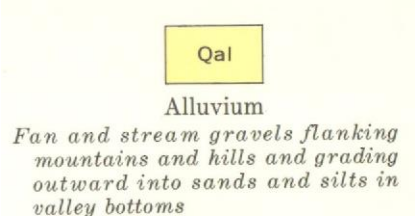
MAPPING

1:250,000

Workman and others (2002) mapped the area of the Zeolite mine as older Quaternary alluvium.

1:100,000

Cornwall (1972) mapped the area of the Zeolite mine as Quaternary alluvium.



STRUCTURE

MINERALOGY

Unknown zeolite.

DEVELOPMENT

Minor.

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MAPS

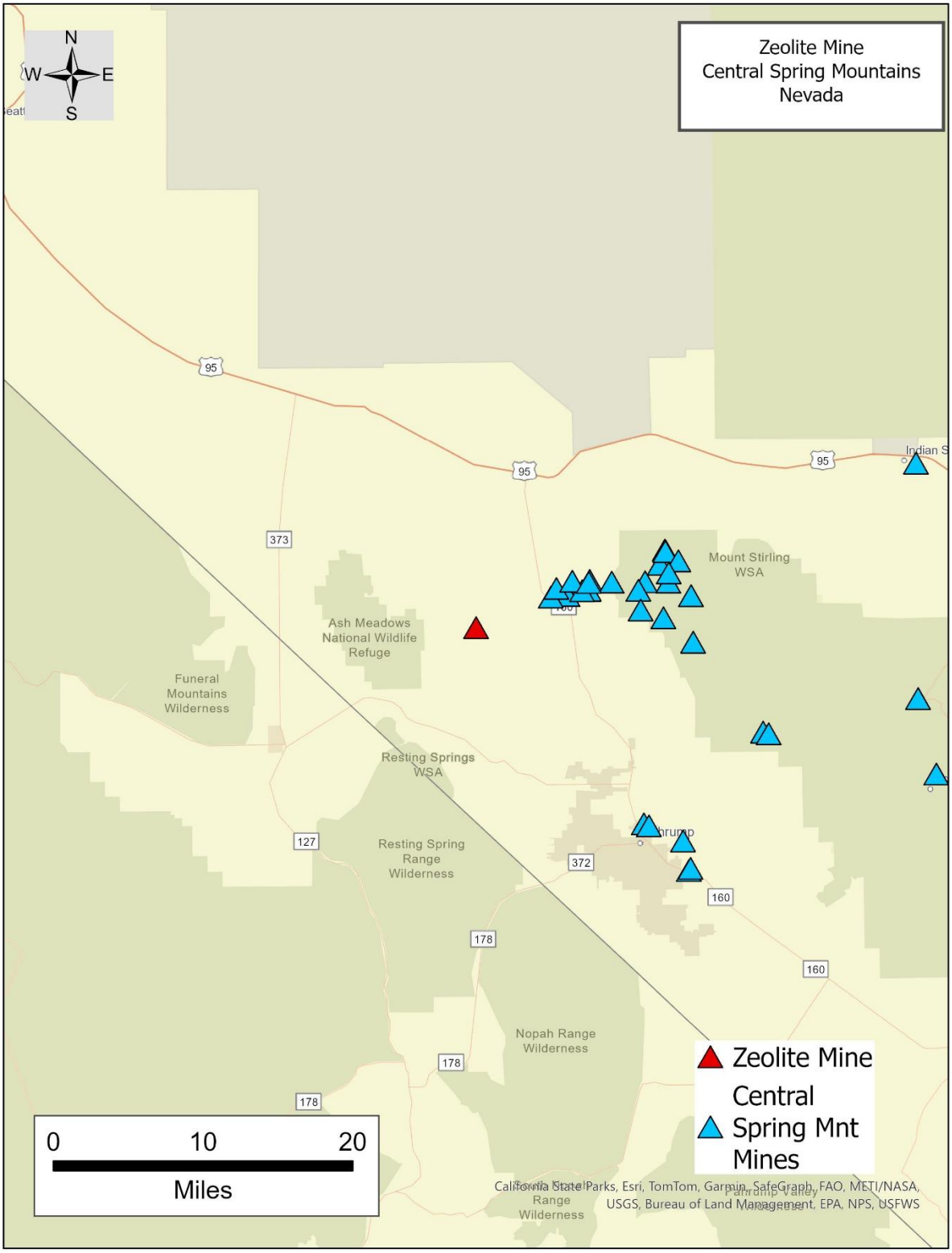

Figure 1. Location map for the Zeolite Mine. Open source for educational purposes. No copyright.

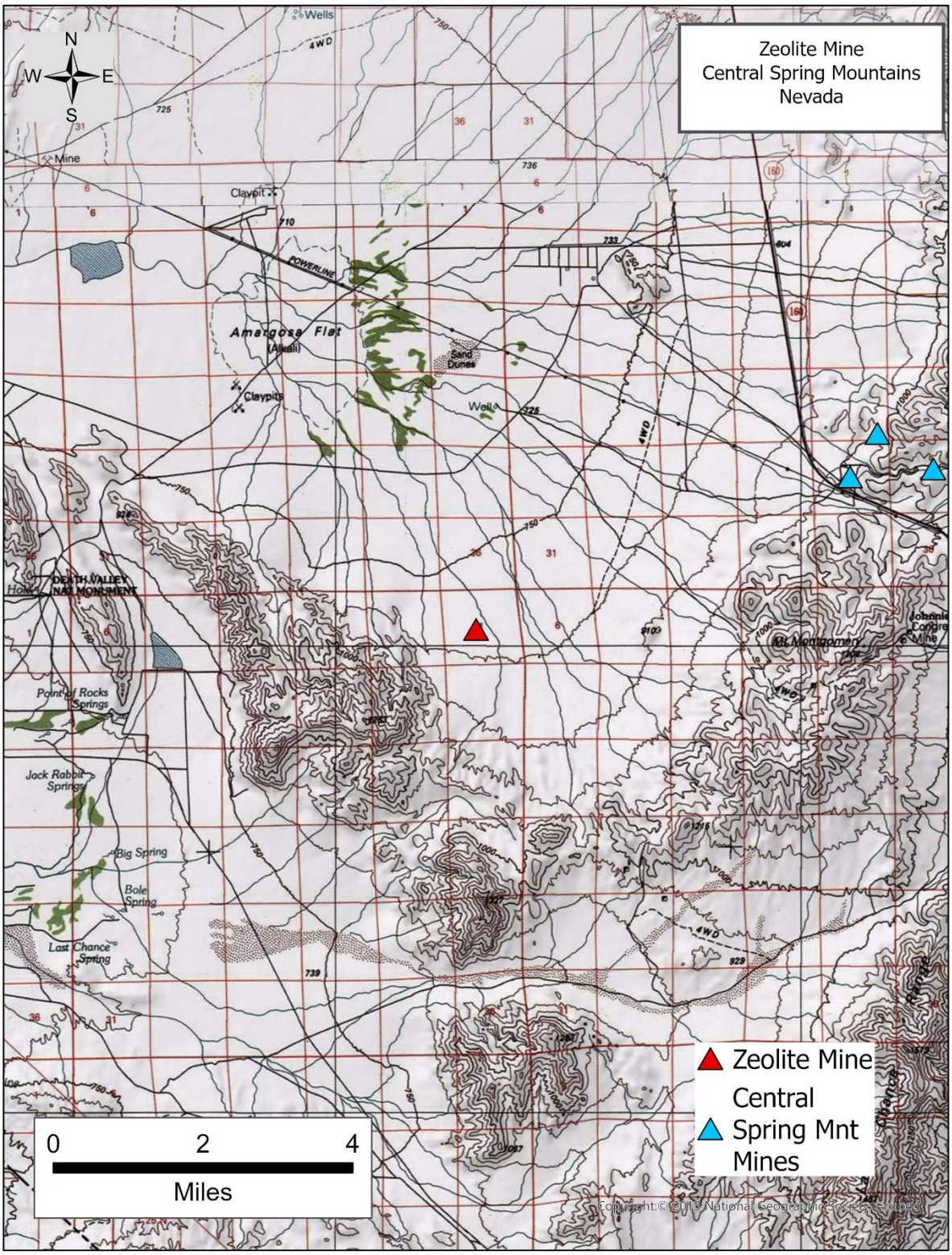

Figure 2. Regional topographic map of the Zeolite Mine. Open source for educational purposes. No copyright.

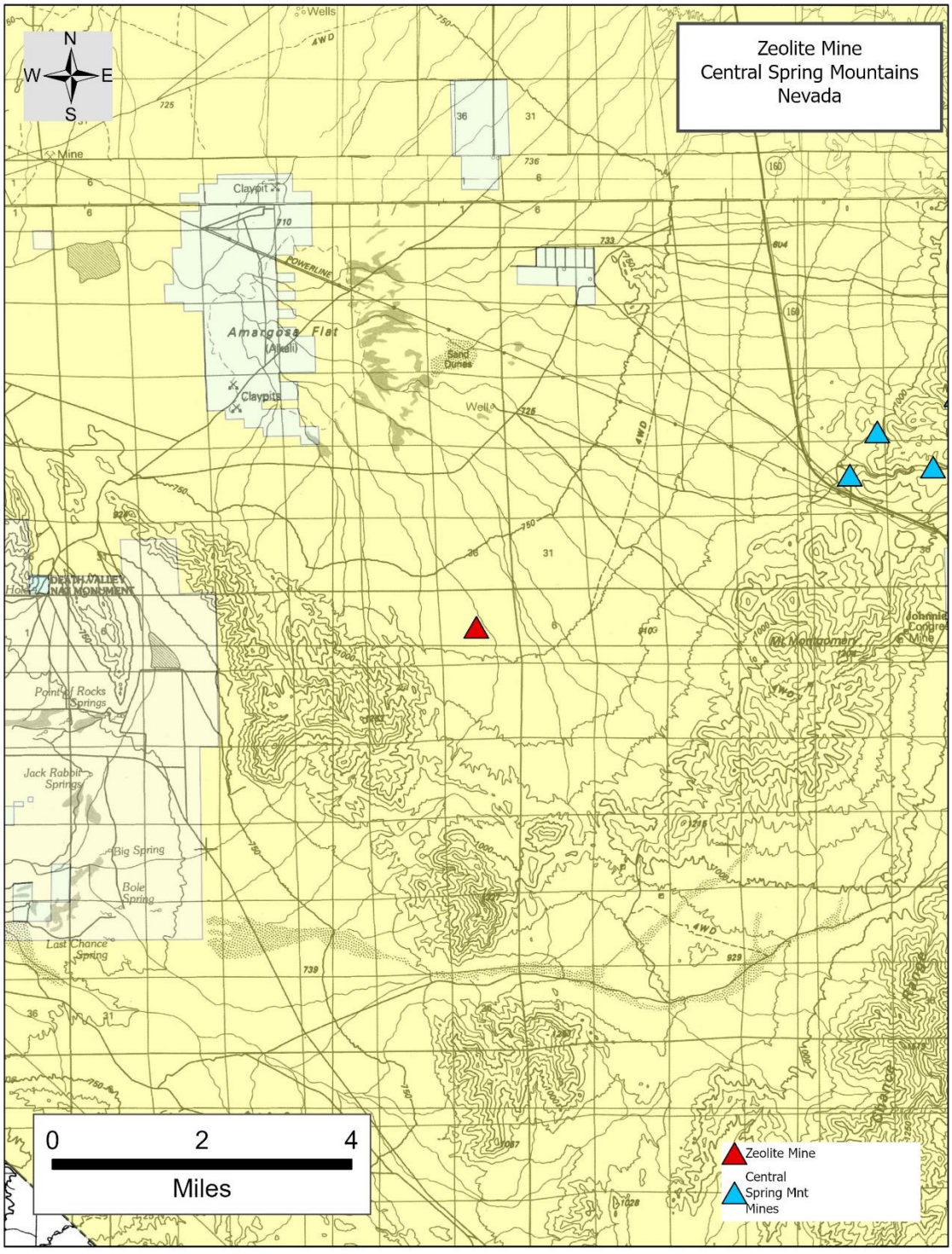

Figure 3. Land status map of the Zeolite District and surrounding areas. Green is U.S. Forest Service. Yellow is U.S. Bureau of Land Management. Blue is private land. Purple is military lands. Open source for educational purposes. No copyright.

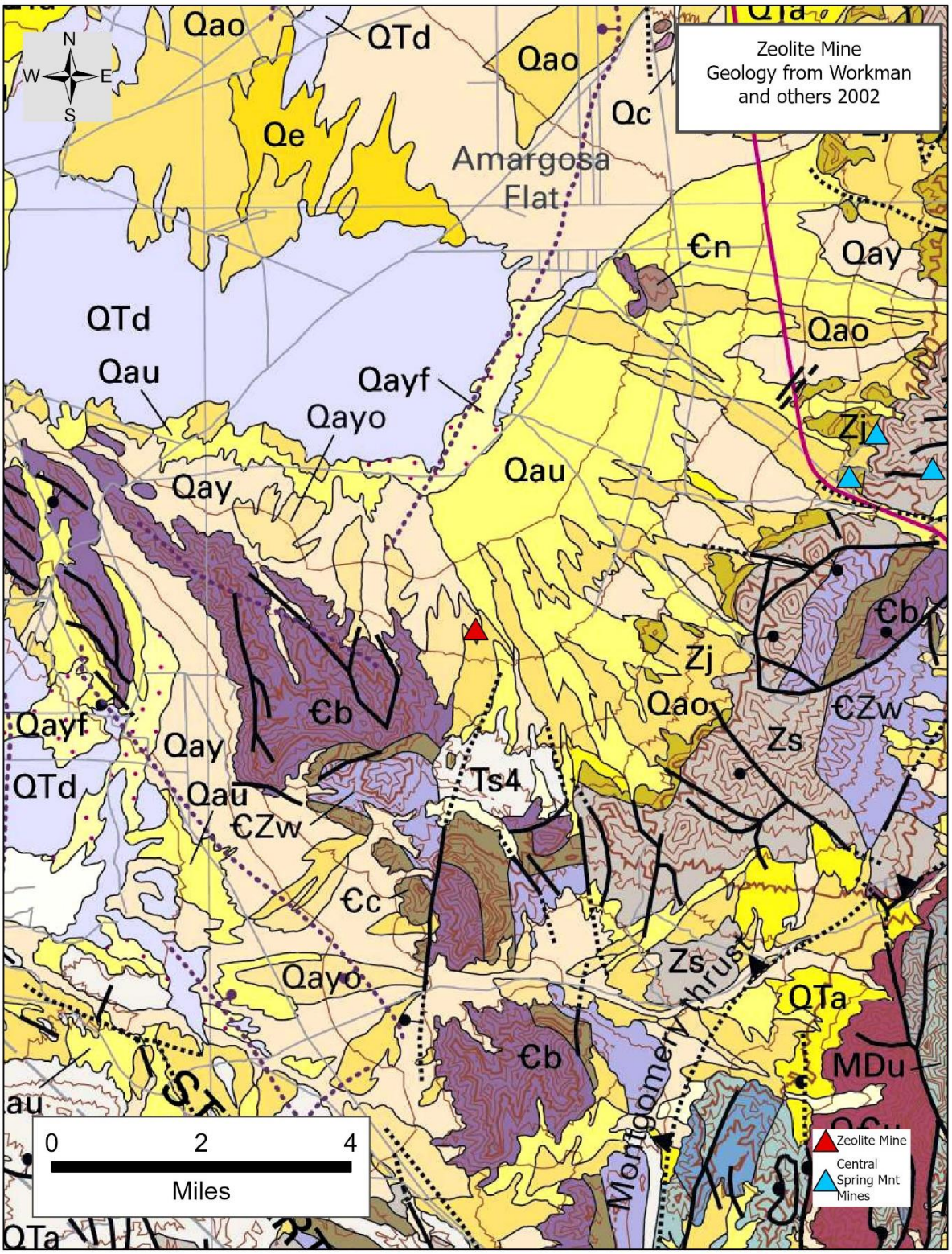

Figure 4. Regional geologic map of the Zeolite mine and surrounding areas. Open source for educational purposes. No copyright.

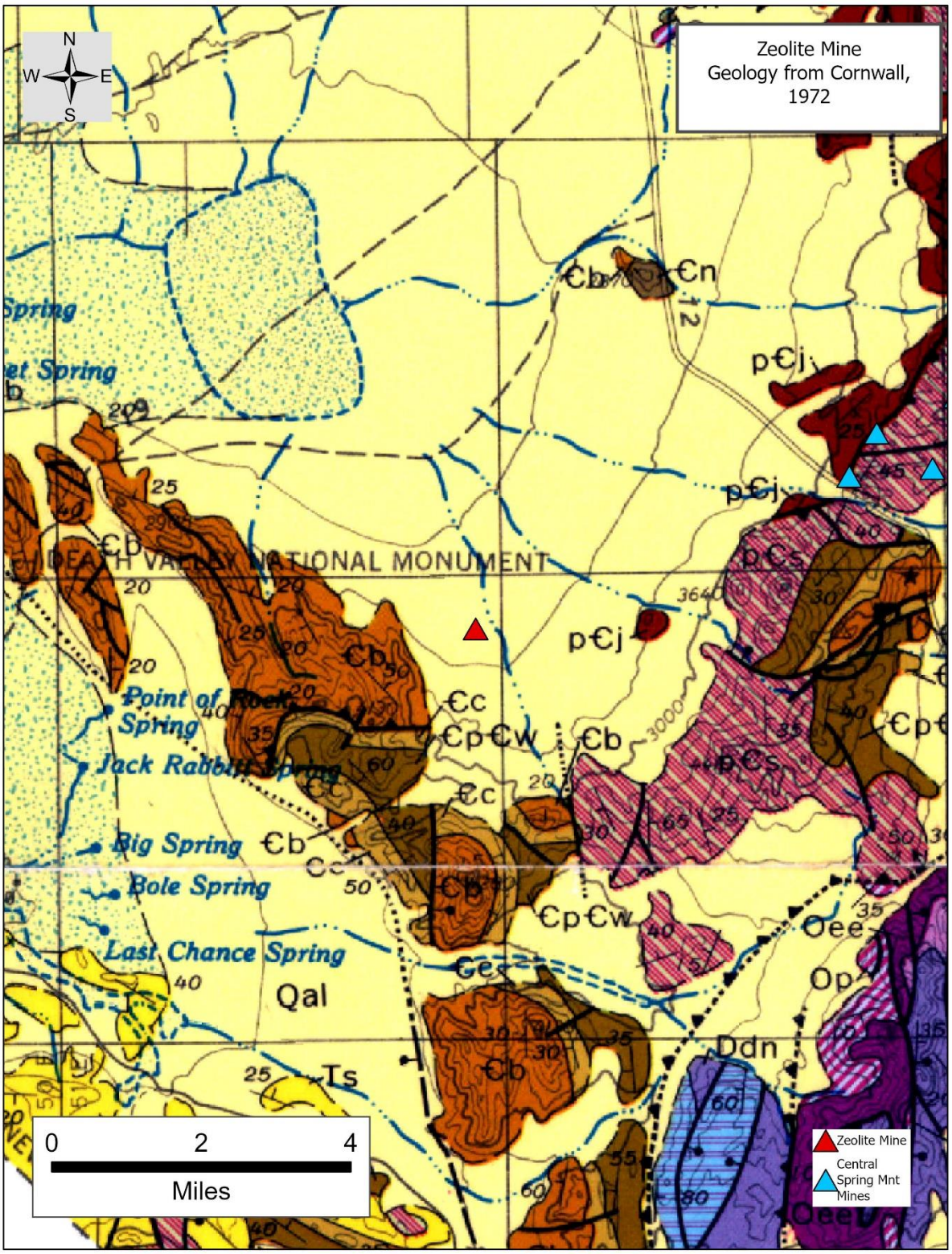

Figure 5. Regional geologic map of the area surrounding the Zeolite Mine. Open source for educational purposes. No copyright.

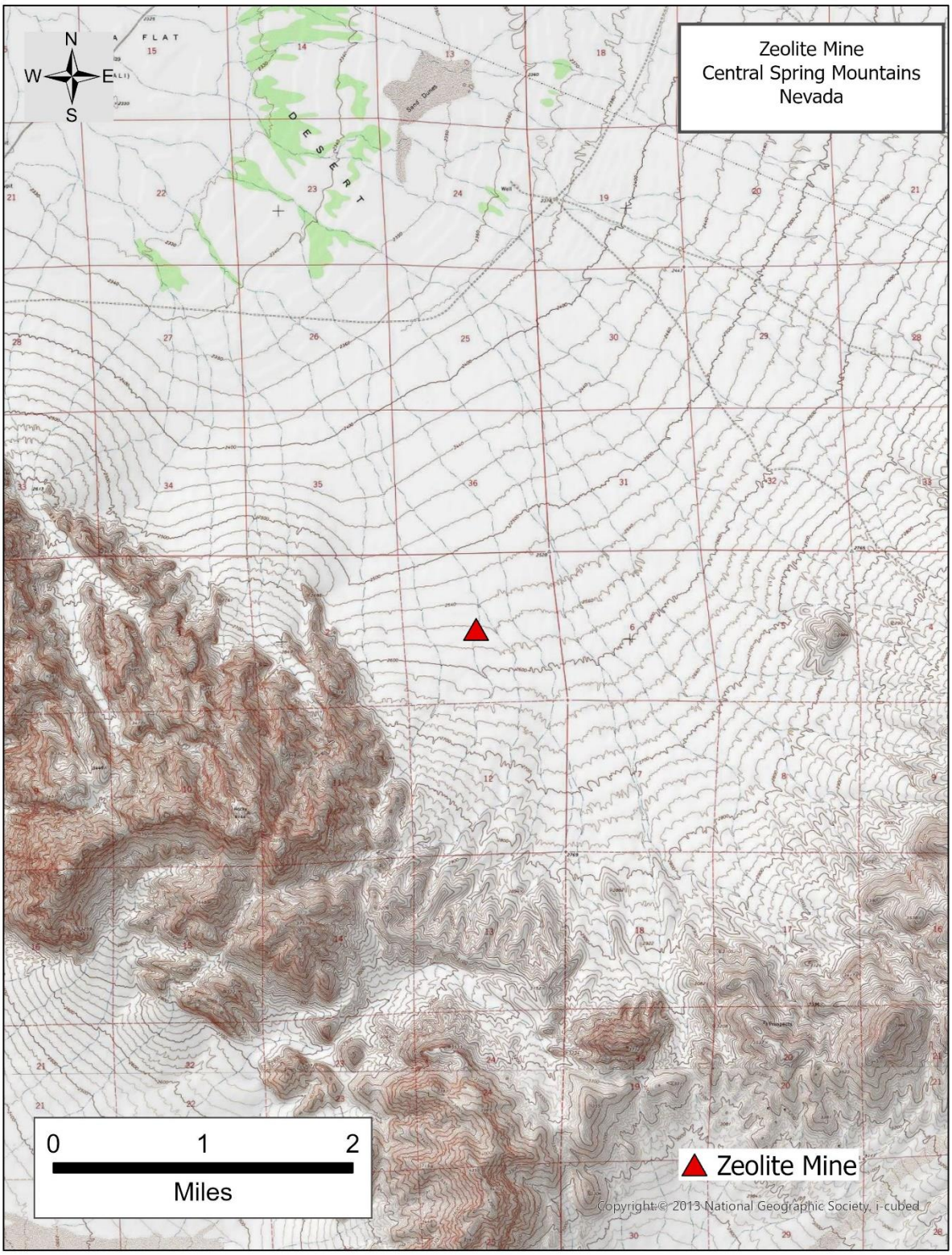

Figure 6. Area topgraphic map of the Zeolite Mine and surrounding areas. Open source for educational purposes, no copyright.

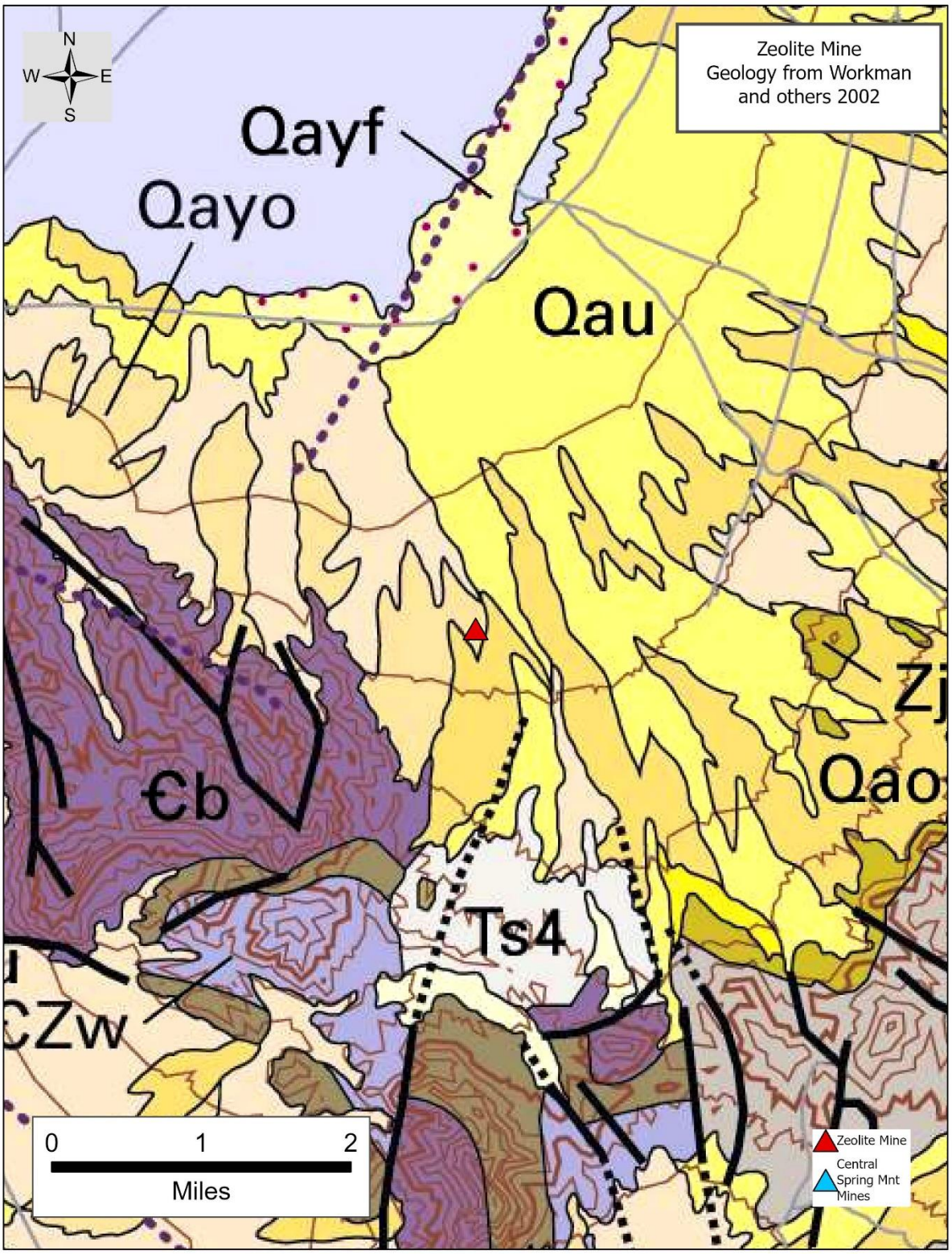

Figure 7. Area geologic map of the Zeolite Mine and surrounding areas. Open source for educational purposes, no copyright.

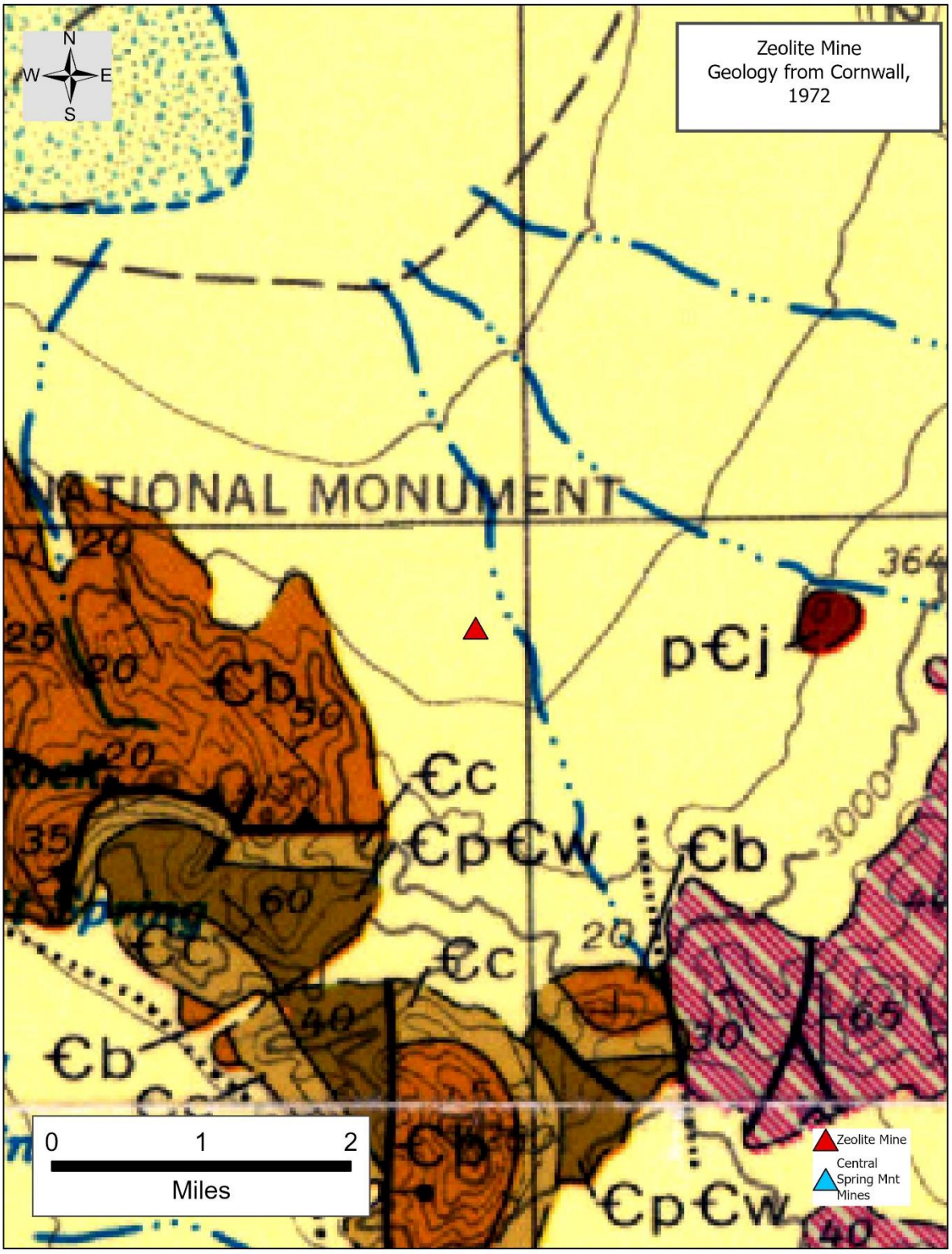

Figure 8.Area geologic map of the area surrounding the Zeolite Mine. Open source for educational purposes, no copyright.

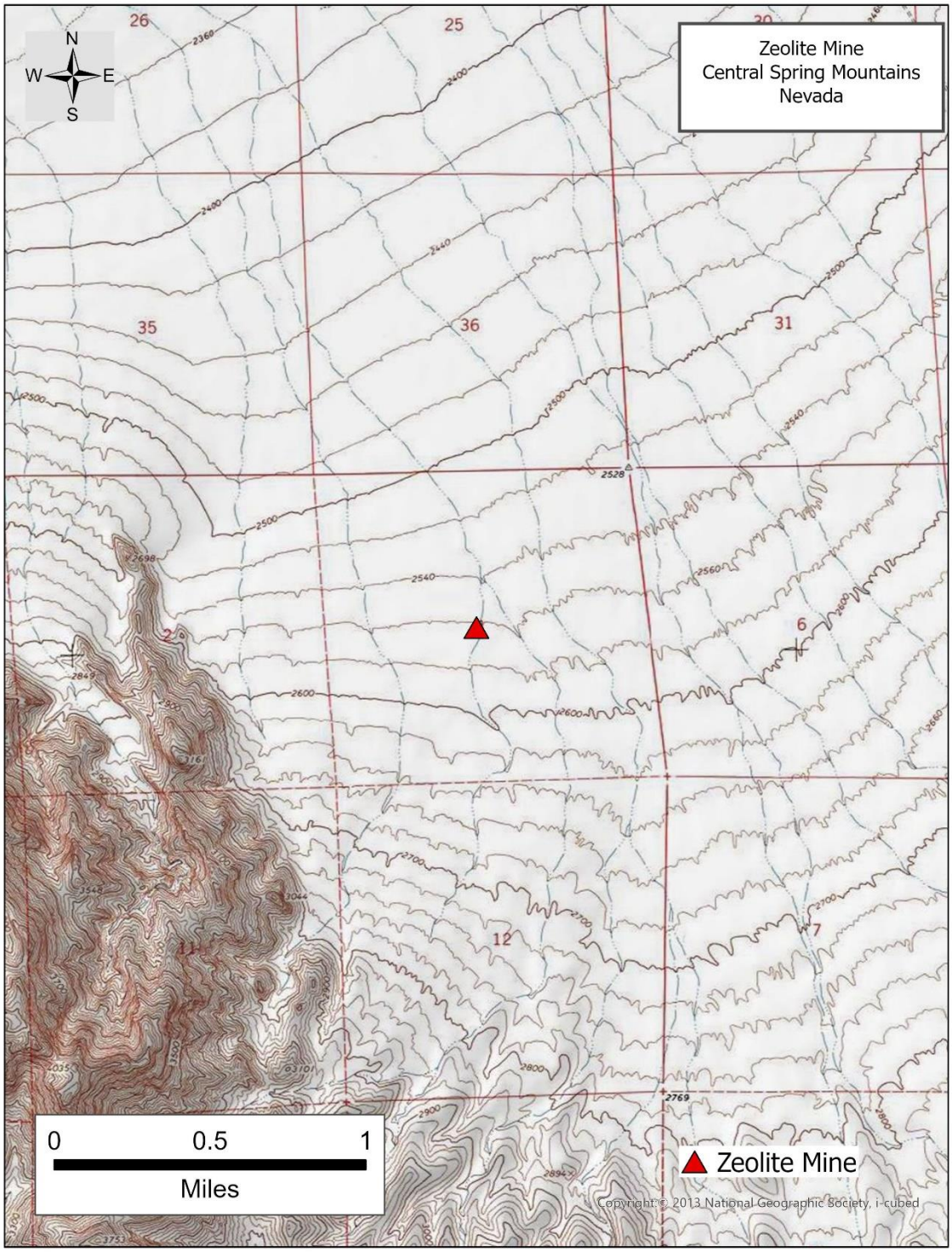

Figure 9. Site *topographic map of the* Zeolite *Mine. Open source for educational purposes, no copyright.*

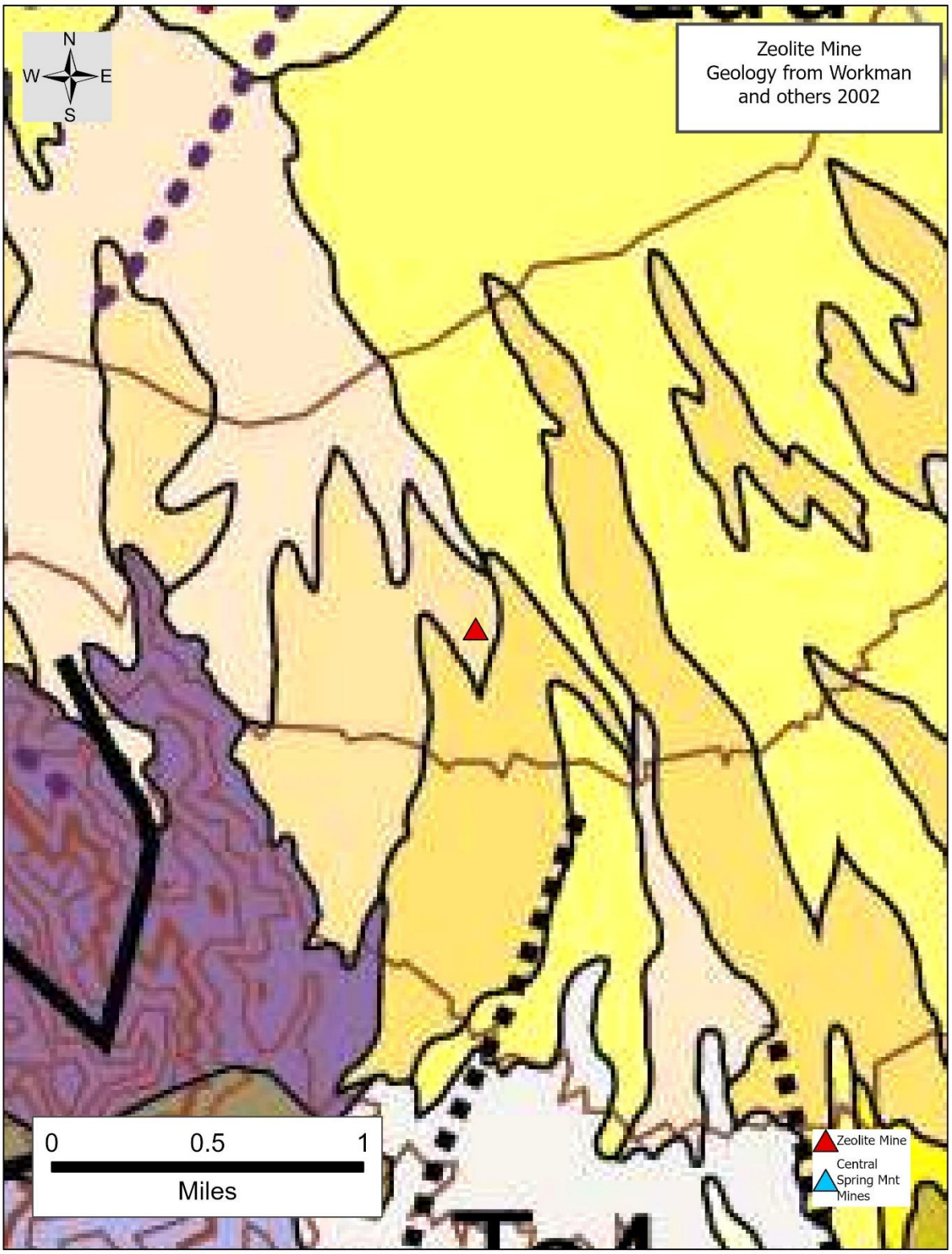

Figure 10. Site geologic map of the Zeolite Mine. Open source for educational purposes, no copyright.

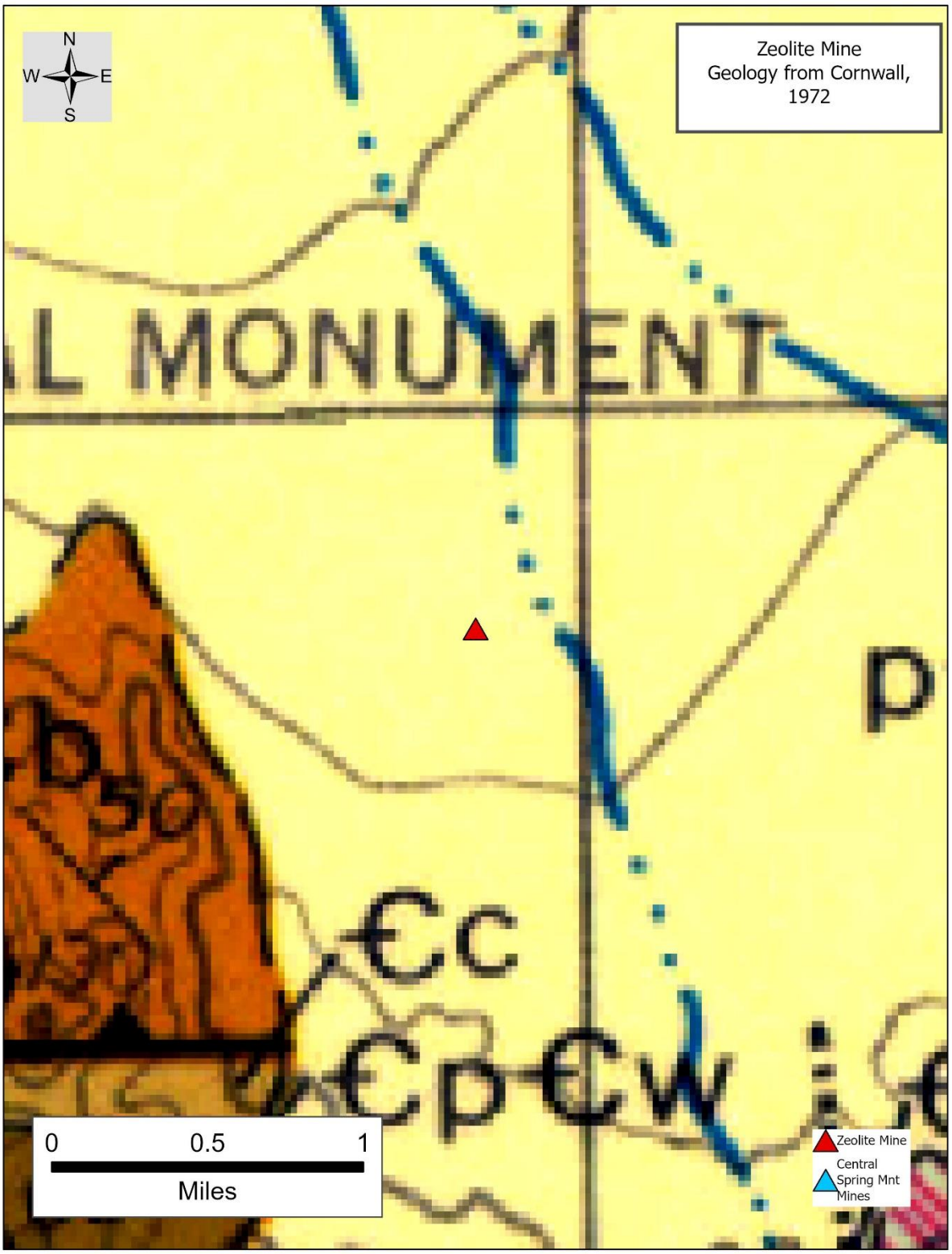

Figure 11. Site geologic map of the Zeolite Mine. Open source for educational purposes, no copyright.

Figure 12. Topographic detailed map of the Zeolite Mine and surrounding areas.

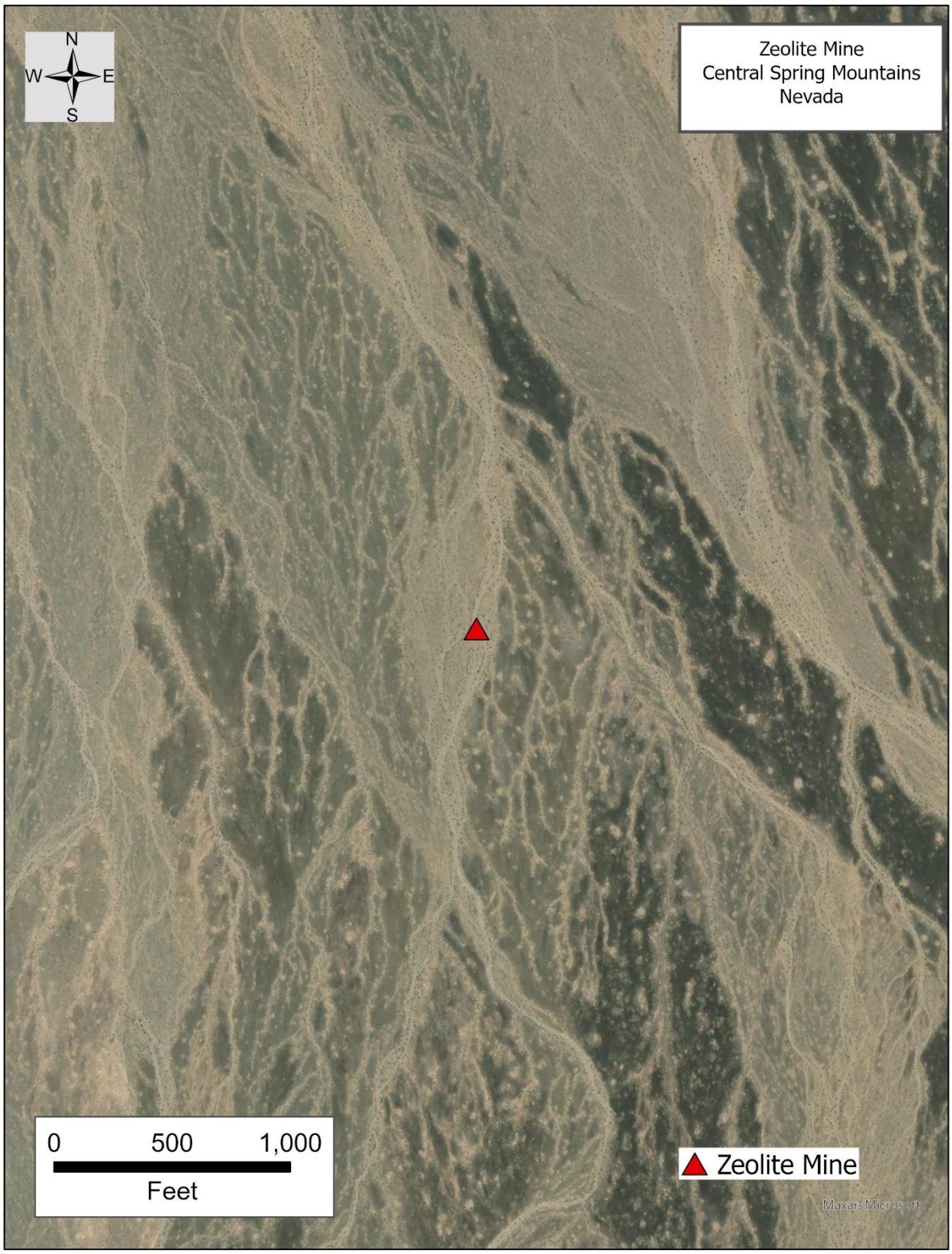

Figure 13. Aerial photograph of the Zeolite Mine. Open source for educational purposes, no copyright.