

Geologic Mapping across the Country

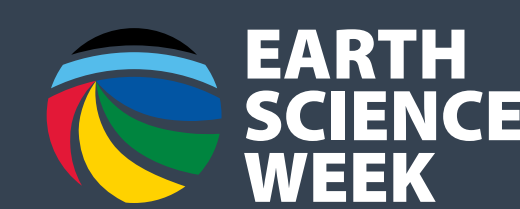
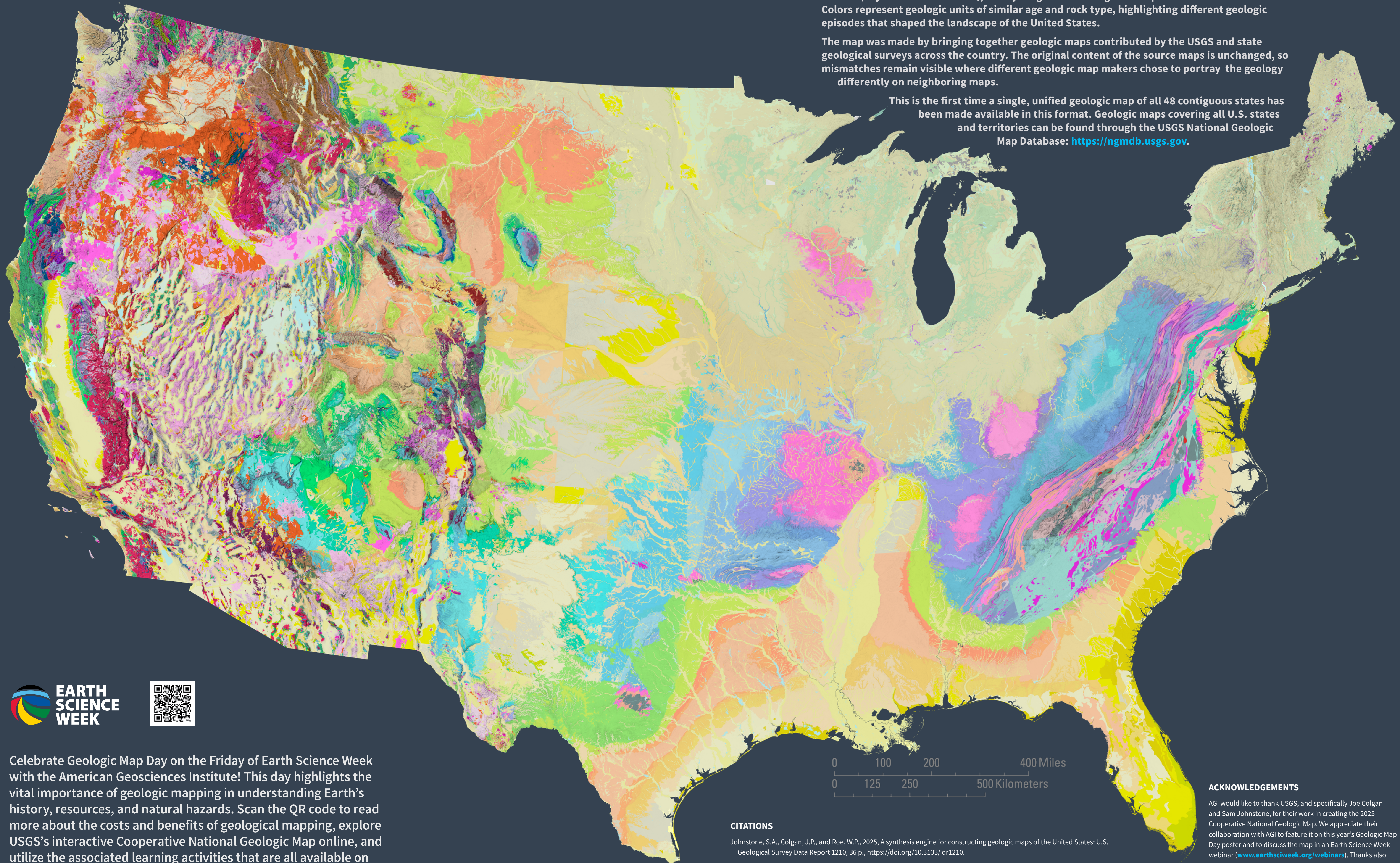
U.S. Geological Survey • Geological Society of America •
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The Cooperative National Geologic Map

The Cooperative National Geologic Map depicts geologic units exposed at the Earth's surface (or just beneath the soil), from young alluvial and glacial deposits to ancient bedrock. Colors represent geologic units of similar age and rock type, highlighting different geologic episodes that shaped the landscape of the United States.

The map was made by bringing together geologic maps contributed by the USGS and state geological surveys across the country. The original content of the source maps is unchanged, so mismatches remain visible where different geologic map makers chose to portray the geology differently on neighboring maps.

This is the first time a single, unified geologic map of all 48 contiguous states has been made available in this format. Geologic maps covering all U.S. states and territories can be found through the USGS National Geologic Map Database: <https://ngmdb.usgs.gov>.



Celebrate Geologic Map Day on the Friday of Earth Science Week with the American Geosciences Institute! This day highlights the vital importance of geologic mapping in understanding Earth's history, resources, and natural hazards. Scan the QR code to read more about the costs and benefits of geological mapping, explore USGS's interactive Cooperative National Geologic Map online, and utilize the associated learning activities that are all available on the ESW 2025 webpage.

CITATIONS

Johnstone, S.A., Colgan, J.P., and Roe, W.P., 2025, A synthesis engine for constructing geologic maps of the United States: U.S. Geological Survey Data Report 1210, 36 p., <https://doi.org/10.3133/dr1210>.
Colgan, J.P., Johnstone, S.A., Campos, J.-M., Platt, B.W., Hirtz, J.A.M., Barrette, N.C., and Roe, W.P., 2025, Cooperative National Geologic Map—Earth's surface geology: U.S. Geological Survey data release, <https://doi.org/10.5066/P146VGVm>.

ACKNOWLEDGEMENTS

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