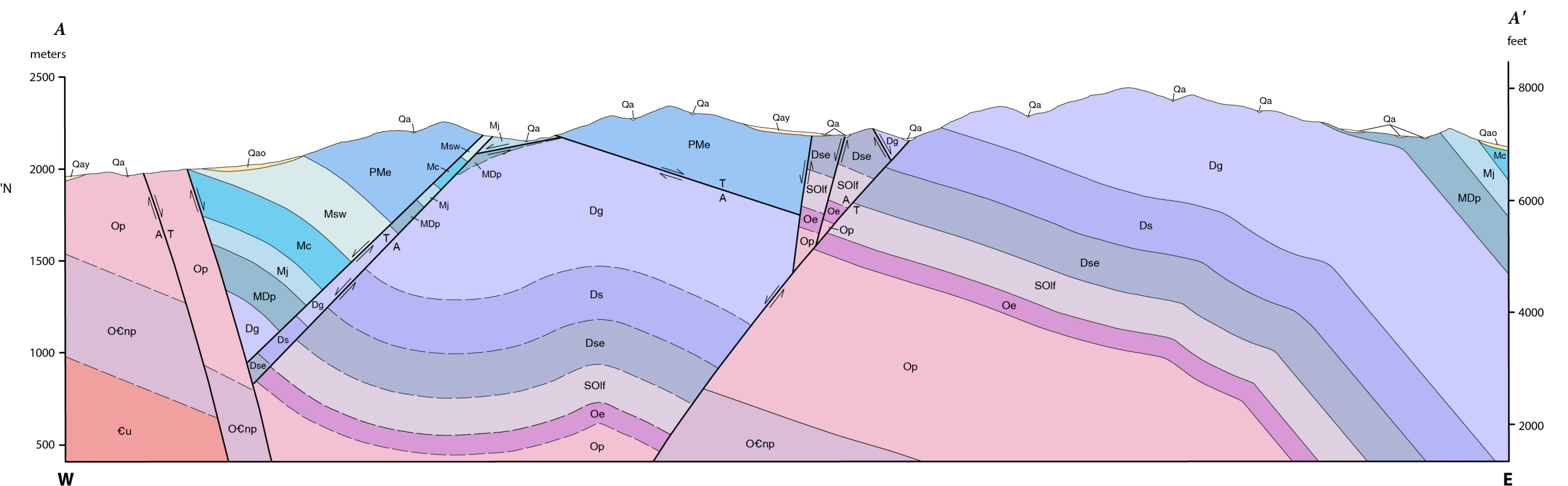
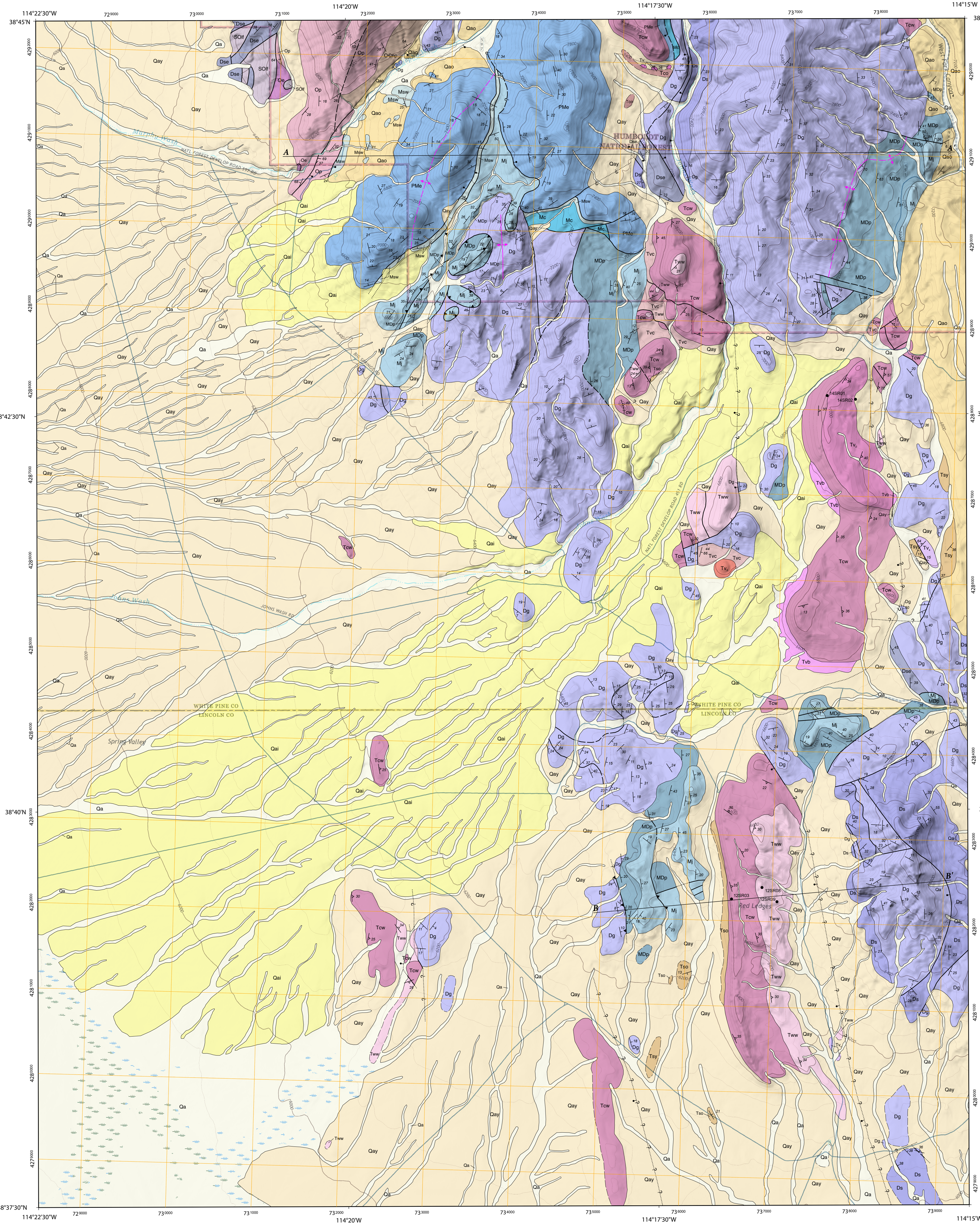


GEOLOGIC MAP OF THE RED LEDGES QUADRANGLE, WHITE PINE AND LINCOLN COUNTIES, NEVADA

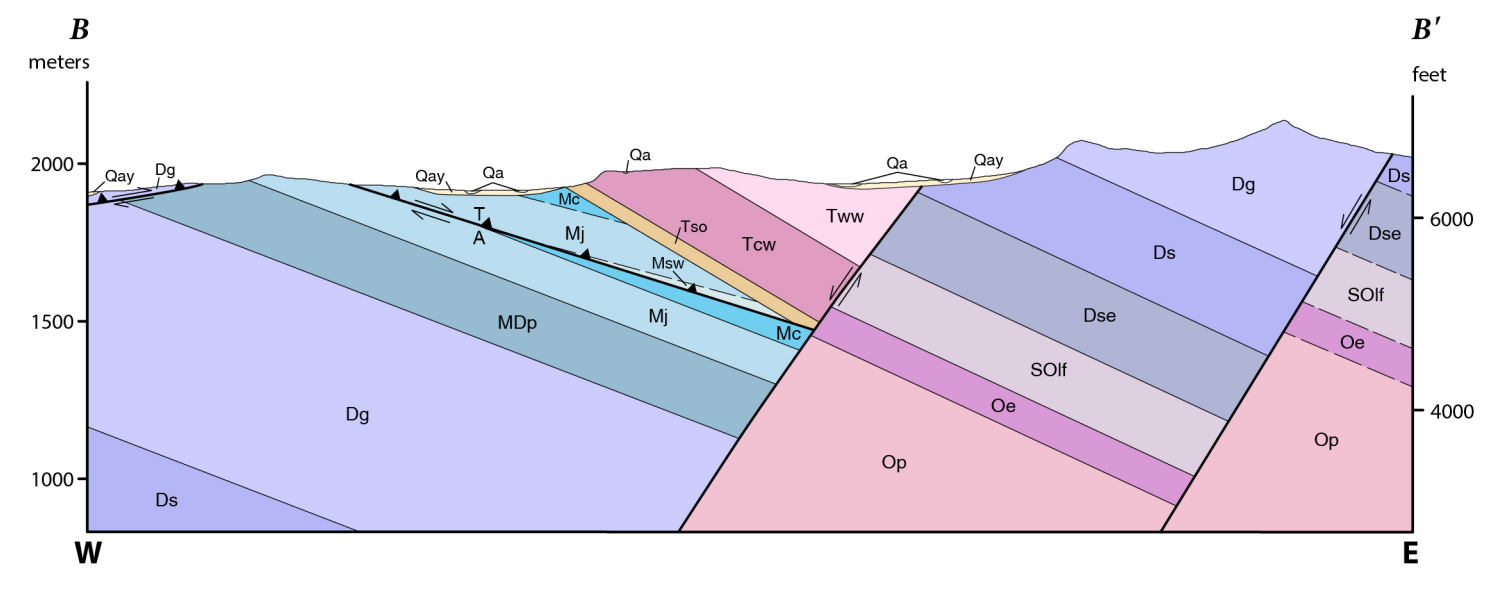
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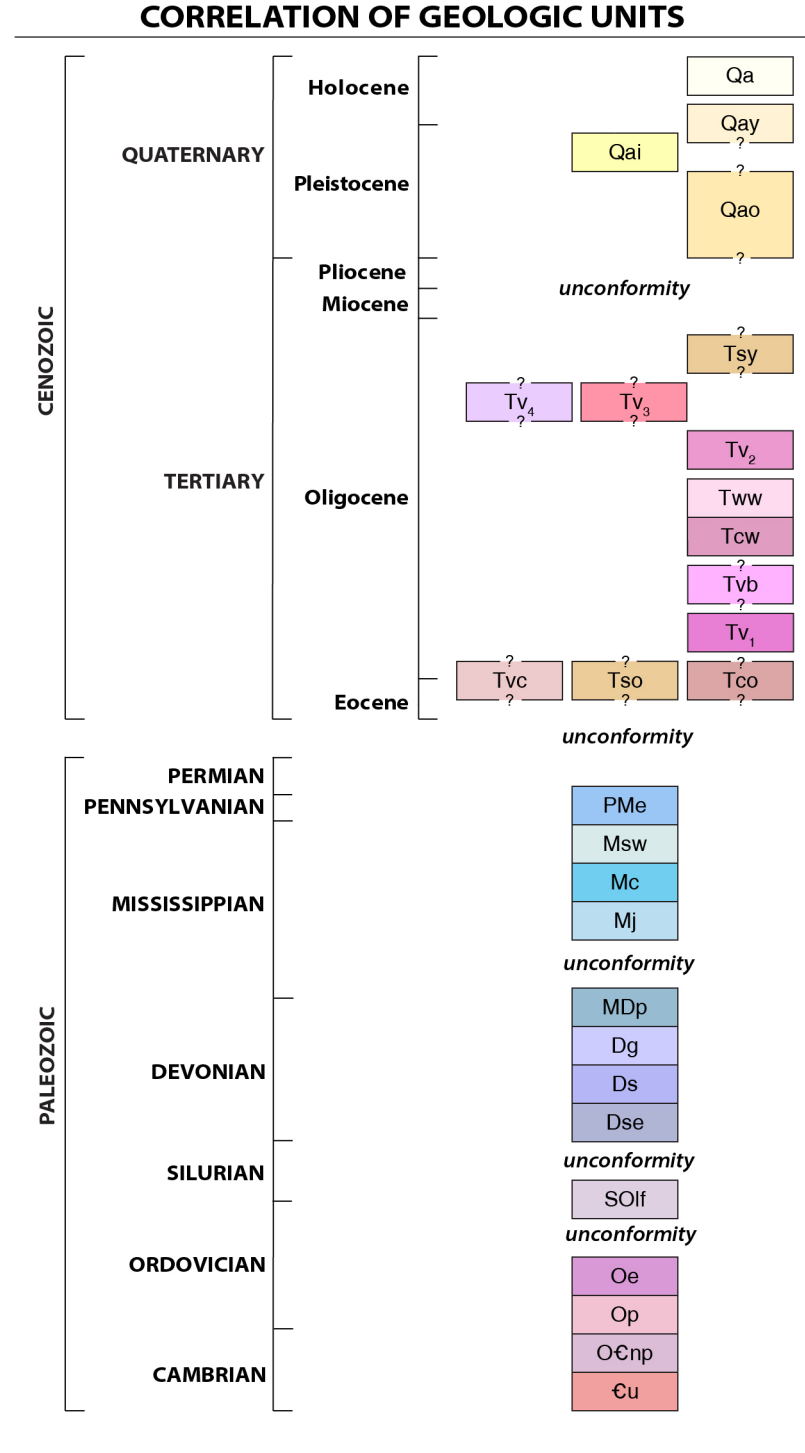
2024



- ### GEOLOGIC UNITS
- See accompanying text for full unit descriptions and references for this map.
- QUATERNARY DEPOSITS AND SURFACES**
 - Oa Active wash and active alluvial deposits (Holocene)
 - Qay Young alluvium (Holocene and late Pleistocene?)
 - Qai Intermediate alluvium (late to middle Pleistocene)
 - Qao Old alluvium (early Pleistocene?)
 - TERTIARY VOLCANIC AND SEDIMENTARY UNITS**
 - Tsw Volcaniclastic sandstone, younger (Oligocene)
 - Tvc Volcanic unit of unknown age (Oligocene?)
 - Tv Volcanic unit of unknown age (Oligocene)
 - Tv Volcanic unit of unknown correlation (Oligocene)
 - Tww Wah Wah Springs Formation (Oligocene)
 - Tcw Cottonwood Wash Tuff (Oligocene)
 - Tvb Volcanic breccia and sandstone (Oligocene)
 - Tv Volcanic unit of unknown age (Oligocene)
 - Tvc Volcaniclastic sandstone and mudstones, undivided (Oligocene? to late Eocene?)
 - Tso Volcaniclastic sandstone, older (Oligocene? to late Eocene?)
 - Tco Conglomerate (Oligocene? to late Eocene?)
 - PALEOZOIC SEDIMENTARY UNITS**
 - PMe Ely Limestone (Permian to Late Mississippian)
 - Msw Scotty Wash Quartzite (Late Mississippian)
 - Mc Chainman Shale (Mississippian)
 - Mj Joana Limestone (Mississippian)
 - Mdp Pilot Shale (Late Devonian to Early Mississippian)
 - Dg Gullmette Formation (Late to Middle Devonian)
 - Ds Simonson Dolostone (Middle Devonian)
 - Dse Sevy Dolostone (Middle to Early Devonian)
 - SOil Laketown and Fish Haven Dolostone, undivided (Silurian to Late Ordovician)
 - Oe Eureka Quartzite (Middle Ordovician)
 - Op Pogonip Group, undivided (Middle to Early Ordovician)
 - OCnp Notch Peak Formation (Late Cambrian)
 - Cu Cambrian, undivided (cross section only)



- ### MAP SYMBOLS
- Contact** Solid where certain, dashed where approximately located.
 - Fault** Solid where certain, dashed where approximately located, dotted where concealed; queried if identity or existence uncertain.
 - Normal fault** Solid where certain, dashed where approximately located, dotted where concealed; queried if identity or existence uncertain. Showing dip and direction; ball on downthrown side. In cross section, arrows show relative motion. A—away from observer, T—toward observer.
 - Thrust fault** Solid where certain and location accurate, dotted where concealed; queried if identity or existence uncertain. Swath on upper (tectonically higher) plate. In cross sections, A—away from observer, T—toward observer.
 - Anticline** Solid where certain and location accurate, dashed where approximately located, dotted where concealed.
 - Line of cross section**
 - A—away from observer
 - T—toward observer
 - Strike and dip of bedding**
 - Inclined
 - Overtured
 - Strike and dip of foliation in volcanic rock**
 - Inclined
 - Geochronology sample** Label shows sample name.
 - 12SR03 ⁴⁰Ar/³⁹Ar date
 - Wetland: Freshwater and Shrub**



Scale 1:24,000

0 0.5 1 KILOMETER

0 0.5 1 MILE

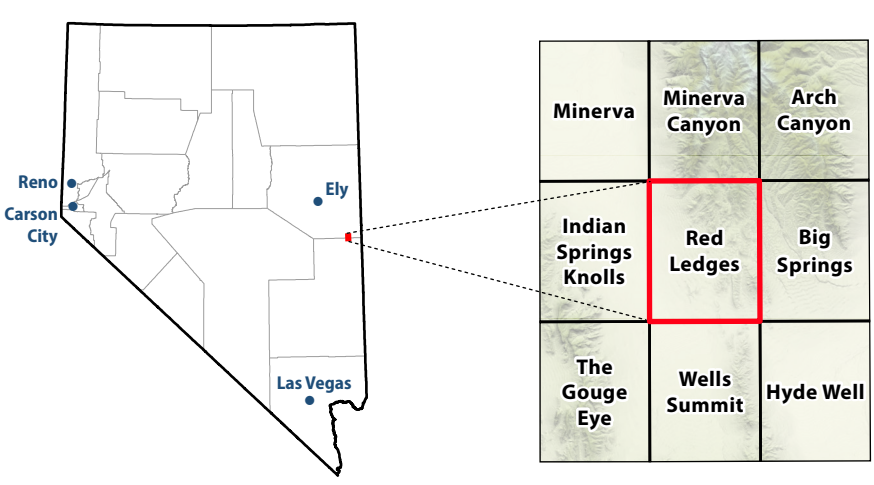
0 1,000 2,000 3,000 4,000 5,000 FEET

CONTOUR INTERVAL 40 FEET

Projection: Universal Transverse Mercator, Zone 11, North American Datum 1983 (m)

Base map: U.S. Geological Survey Red Ledges 7.5' quadrangle (2021)

Hillshade: Derived from 1/3 arc second data from The National Map.



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