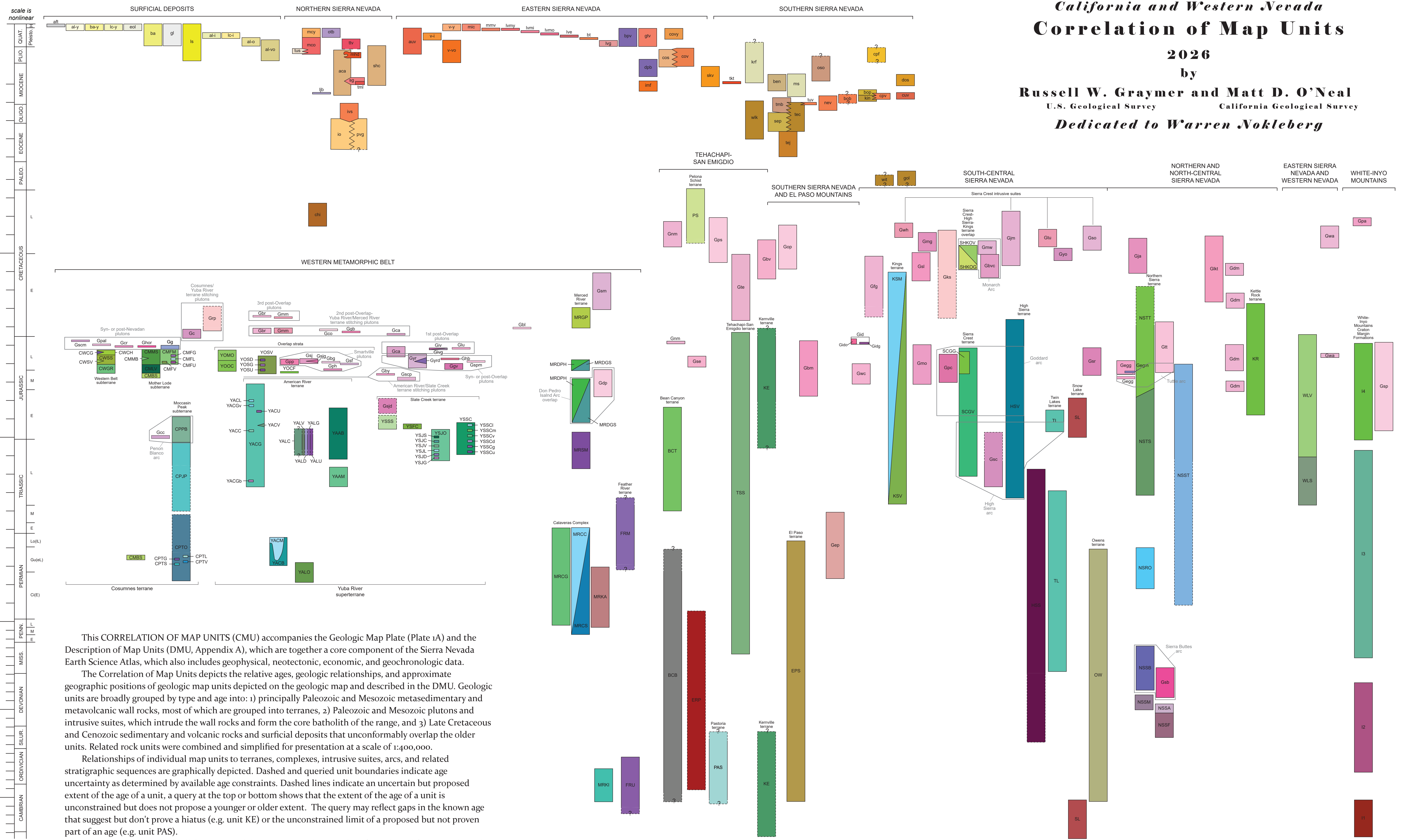


Geologic Map of the Sierra Nevada California and Western Nevada

Correlation of Map Units

2026
by
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Dedicated to Warren Nokleberg



This CORRELATION OF MAP UNITS (CMU) accompanies the Geologic Map Plate (Plate 1A) and the Description of Map Units (DMU, Appendix A), which are together a core component of the Sierra Nevada Earth Science Atlas, which also includes geophysical, neotectonic, economic, and geochronologic data.

The Correlation of Map Units depicts the relative ages, geologic relationships, and approximate geographic positions of geologic map units depicted on the geologic map and described in the DMU. Geologic units are broadly grouped by type and age into: 1) principally Paleozoic and Mesozoic metasedimentary and metavolcanic wall rocks, most of which are grouped into terranes, 2) Paleozoic and Mesozoic plutons and intrusive suites, which intrude the wall rocks and form the core batholith of the range, and 3) Late Cretaceous and Cenozoic sedimentary and volcanic rocks and surficial deposits that unconformably overlap the older units. Related rock units were combined and simplified for presentation at a scale of 1:400,000.

Relationships of individual map units to terranes, complexes, intrusive suites, arcs, and related stratigraphic sequences are graphically depicted. Dashed and queried unit boundaries indicate age uncertainty as determined by available age constraints. Dashed lines indicate an uncertain but proposed extent of the age of a unit, a query at the top or bottom shows that the extent of the age of a unit is unconstrained but does not propose a younger or older extent. The query may reflect gaps in the known age that suggest but don't prove a hiatus (e.g. unit KE) or the unconstrained limit of a proposed but not proven part of an age (e.g. unit PAS).

The atlas is the result of collaborative work by scientists and mapmakers from the California Geological Survey and the U.S. Geological Survey. The atlas was originally envisioned by the late geologist Warren Nokleberg (1939-2021), who contributed much to the initial geologic map compilation.



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