UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

OPEN FILE MAP
65-137

GENERALIZED MAP OF PALEOZOIC AND MESOZOIC FACIES IN NORTH-CENTRAL NEVADA

SCALE 1:200,000

5 0 5 10 15 20 MILES

EXPLANATION

- Qal — Alluvium
- Tv — Volcanic rocks of Tertiary age
- Tir — Intrusive rocks
- Kn — Newark Canyon Formation
- Kdv — Volcanic rocks of Jurassic and Cretaceous age

JURASSIC AND CRETACEOUS / TERTIARY

- Rw — Winnemucca sequence. Allochthonous(?) Koipato, Prida, Natches Pass, Grass Valley, Dun Glen, Winnemucca, and Raspberry Formations
- Rwt — Augusta sequence. Parautochthonous(?) Koipato, Tobin, Dixie Valley, Chinn Mountain, Favret, Panther Canyon, Augusta Mountain, Cane Spring, and Crobb Formations

TRIASSIC

SEQUENCE DEPOSITED WEST OF ANTLER OROGENIC BELT

- PPh — Havallah sequence. Pumpernickel and Havallah Formations

OVERLAP ASSEMBLAGE IN ANTLER OROGENIC BELT

- PPa — Antler sequence. Tallman Conglomerate, Battle, Antler Peak, and Edna Mountain Formations

PENNSYLVANIAN AND PERMIAN

OVERLAP ASSEMBLAGE EAST OF ANTLER OROGENIC BELT

- PPMe — Autochthonous overlap assemblage. Eureka-Carlin sequence. Joana Limestone, Chainman Shale, Diamond Peak Formation, Ely Limestone, Carbon Ridge, Garden Valley Formations in the Eureka area; Tonka, Moleen and Strathern Formations of Dott (1955), and unnamed formations in the Carlin area

MISSISSIPPIAN TO PERMIAN

WESTERN (SILICEOUS) ASSEMBLAGE

- Pzw — Allochthonous. Pzw, includes Valmy, Leach, and Sonoma Range Formations in Winnemucca quadrangle; Scott Canyon and Valmy Formations in the Antler Peak quadrangle; Valmy, Elder, Fourmile Canyon, and Slaven Formations in the Mount Lewis and Crescent Valley quadrangles; Vinini and unnamed formations in Eureka County. Includes Inskip Formation (Mississippian?) in East Range.
- Pzwt — Pzwt, includes slivers of transitional assemblage rocks in the Antler Peak quadrangle

TRANSITIONAL ASSEMBLAGE

- Pzt — Autochthonous. Includes Harmony, Paradise Valley, Preble, Osgood Mountain, and Comus Formations in the Golconda area, slivers of Harmony Formation involved in Mesozoic thrust faulting

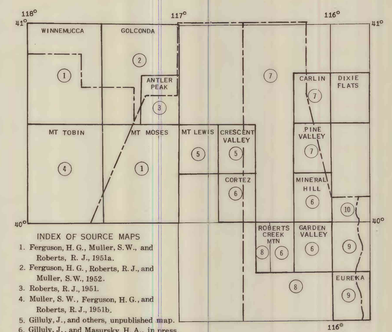
EASTERN (CARBONATE) ASSEMBLAGE

- Pze — Autochthonous. In the Eureka district, includes Prospect Mountain Quartzite, Pioche Shale, Eldorado Dolomite, Geddes Limestone, Secret Canyon Shale, Hamburg Dolomite, Pilesdberg Shale, Goodwin Limestone, Pogonip Group, Windfall Formation, Eureka Quartzite, Hanson Creek, and Roberts Mountains Formations, Lone Mountain Dolomite, Denay Limestone, Nevada Formation, and Ely Dolomite. Also includes unnamed formations in the Mount Lewis and Crescent Valley quadrangles

PALEOZOIC

- Contact
- Fault
- Thrust fault. Dotted where concealed; teeth on upper plate

THIS MAP IS PRELIMINARY AND HAS NOT BEEN EDITED OR REVIEWED FOR CONFORMITY WITH U.S. GEOLOGICAL SURVEY STANDARDS AND NOMENCLATURE



INDEX OF SOURCE MAPS

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Geology compiled by R. J. Roberts, 1965