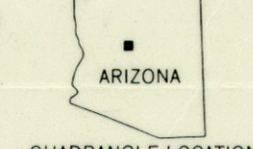
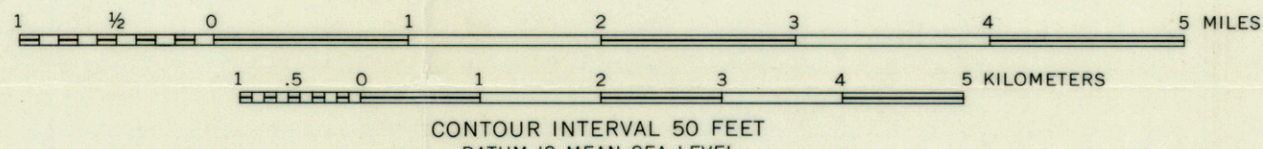


Base by U.S. Geological Survey, 1944

SCALE 1:62 500

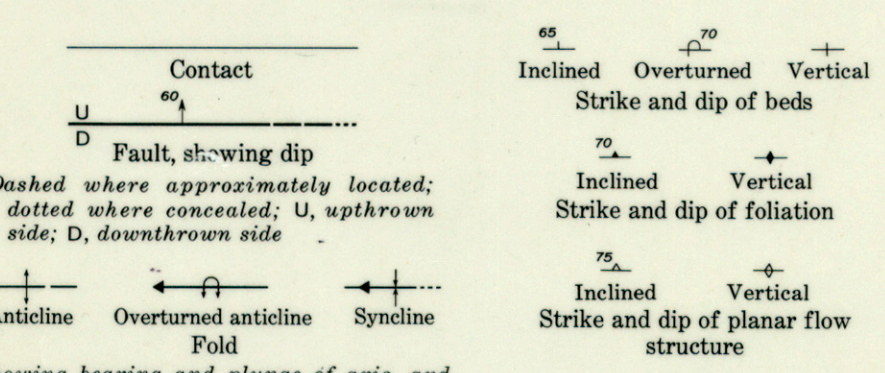
Geology by C. A. Anderson, S. C. Creasey, and R. E. Lehner 1945-52



EXPLANATION

<p>Recent</p> <p>Or River wash</p> <p>Qt Terrace deposits</p> <p>Qta Talus and alluvial fan deposits</p> <p>Qe Younger gravels</p> <p>Quaternary</p> <p>QTOg Older gravels</p> <p>QTVg Verde Formation</p> <p>Tertiary or Quaternary</p> <p>Thb Hickey Formation</p> <p>MISSISSIPPIAN, PENNSYLVANIAN AND PERMIAN</p> <p>PPp Supai Formation</p> <p>Mr Redwall Limestone</p> <p>DEVONIAN</p> <p>Dm Martin Formation</p> <p>CAMBRIAN</p> <p>Tapsa Tapeats Sandstone</p> <p>OLDER PRECAMBRIAN</p> <p>gdp Granodiorite porphyry dikes</p> <p>qd Quartz diorite</p> <p>gbr Gabbro</p>	<p>QUATERNARY</p> <p>qp conspicuous quartz phenocrysts, commonly associated with albite plagioclase, embedded in a fine crystalline to microcrystalline groundmass. Near Jerome, foliated quartz porphyry contains quartz "eyes" in a sericite matrix</p> <p>qpb breccia zones in Mescal Gulch, consists of angular fragments of quartz porphyry in a matrix of quartz porphyry; probably intrusion breccia</p> <p>qps locally, seriate granophyre. The mass cutting Buzard Rhyolite north of the Oak fault is granophyre in the southern exposures but grades northward into normal quartz porphyry. The exposure along the southern end of the Shylock fault is the northern extension of a large mass of granophyre exposed in the Meyer quadrangle</p> <p>WEST OF SHYLOCK FAULT</p> <p>smb Spud Mountain Volcanics</p> <p>smt Grapevine Gulch Formation</p> <p>smc Green Gulch Volcanics</p> <p>sgp Texas Gulch Formation</p> <p>EAST OF SHYLOCK FAULT</p> <p>esb Buzard Rhyolite</p> <p>esg Gabbro Basalt</p>	<p>UNCONFORMITY</p> <p>Thb Hickey Formation</p> <p>PPp Supai Formation</p> <p>Mr Redwall Limestone</p> <p>Dm Martin Formation</p> <p>Tapsa Tapeats Sandstone</p> <p>gdp Granodiorite porphyry dikes</p> <p>qd Quartz diorite</p> <p>gbr Gabbro</p>
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*Age relations between Alder and Ash Creek Groups not established

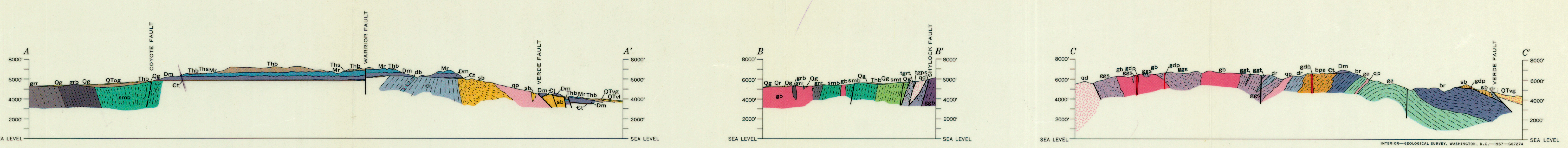


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GEOLOGIC MAP OF THE MINGUS MOUNTAIN QUADRANGLE, YAVAPAI COUNTY, ARIZONA

By
C. A. Anderson and S. C. Creasey
1967