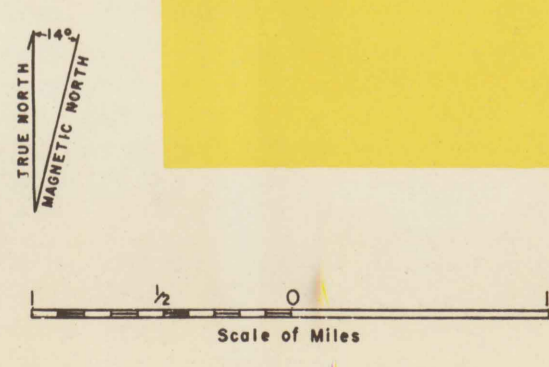


**EXPLANATION**

<b>PALEOZOIC AND YOUNGER ROCKS</b>	<b>CARBONIFEROUS</b> Pennsylvanian	<b>CONTACTS</b>
<b>Quaternary</b>	<b>LATE PRE-CAMBRIAN ROCKS</b> Metamorphic and igneous (pc omitted from letter symbols)	<b>SPECIAL SYMBOLS</b> (Strike and dip symbols represent only a small percentage of the field observations)
<b>Quaternary gravels</b> Of several ages, but distinguished from recent alluvium and talus by position and consolidation <b>UNCONFORMITY</b>	<b>Diabase dikes</b> (Of very late pre-Cambrian age?) Relatively unmetamorphosed, cutting all other igneous and metamorphic pre-Cambrian rocks	Strike and dip of bedding
<b>Servilleta formation</b> Gravels and micaceous sand (Thsb), in part covered by surface or near-surface flows of basalt (Thsb); concealed by later gravels except where dip and strike are shown or basalt lies at surface <b>UNCONFORMITY</b>	<b>Embuto granite</b> Coarse-grained microcline granite or quartz monzonite consisting of darker biotite granite and light-colored well-foliated granite, both porphyritic in part, also pegmatitic leucogranite (leg); the leucogranite locally containing a zone of amphibolite gneiss (legam)	Strike and dip of vertical beds
<b>Santa Fe formation</b> Gravel, sand, silt, volcanic ash, clay, and intra-formational breccia, much of it buff-colored, partly covered by later gravels <b>UNCONFORMITY</b>	<b>Schist member</b> Quartz-muscovite schist, quartz-muscovite phyllite and quartz-biotite granulite (vs) interbedded with partly porphyritic plagioclase amphibolites in flows and sills (vsam)	Horizontal bedding
<b>Picuris tuff</b> Coarse basal conglomerate, brick-red, yellow, green, and white clay; volcanic breccia, water-laid volcanic tuff with interbedded coarse and fine gravels and thin basaltic flows, compact marl beds, and thin shaly beds, partly covered by later gravels <b>UNCONFORMITY</b>	<b>Ortega formation</b> Rinconada schist member Muscovite-biotite-garnet phyllite with thin calcareous beds (orq) with a distinctive local cliff-forming bed (orq); staurolite-rich schist and gneiss (ors); andalusite-biotite hornfels (oran)	Strike and dip of foliation and schistosity
<b>Vadito formation</b> Schist member Quartz-muscovite schist, quartz-muscovite phyllite and quartz-biotite granulite (vs) interbedded with partly porphyritic plagioclase amphibolites in flows and sills (vsam) <b>UNCONFORMITY</b>	<b>Ortega formation</b> Coarse-grained quartzite with thin beds of sillimanite-kyanite gneiss	Strike and dip of vertical foliation and schistosity
		Strike and dip of foliation and strike of horizontal projection of lineation and angle of plunge
		Fault
		Inferred location of fault
		Inferred location of fault between soft Tertiary rocks and old hard rocks with indeterminate contact
		Silicified zone



Base map from U.S. Soil Conservation Service planimetric sheets

GEOLOGIC MAP OF THE PICURIS RANGE, TAOS COUNTY, NEW MEXICO

Geology by A. Montgomery, surveyed 1947-49  
Drafted by N. Allen