

# NMBMMR Open-file Report 400

## Reconnaissance geologic map and sections of Hillsboro and San Lorenzo 15-min quadrangles, Grant and Sierra Counties, New Mexico

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### Legend of map units

Qca Qpg	Quaternary colluvium and pediment gravels; mapped only in northwest corner bedrock map.
Tsf Tg	Santa Fe Group & Gila Conglomerate, also includes Quaternary deposits.
Tb	Tertiary basalts; generally from ~ 2.1-4.8 Ma.
Tbw	Bearwallow Formation; from ~ 18-25 Ma.
Tia	andesite (intermediate) intrusives; age uncertain.
Tir	rhyolite intrusives; age uncertain.
Tvu	Tertiary volcanics undivided.
Tgc Tirs Tshc	Tuff of Garcia Camp; ~ 28.1 Ma; Sandstone of Inman Ranch; Tuff of Shipman Canyon.
Tws Ttc Ttct	Rhyolite of Willow Springs; $27.8 \pm 1.0$ Ma; Taylor Creek Rhyolite; ~ 28.1 Ma; Tuffs related to Taylor Creek Rhyolite.
Tlg	Latite of Grapevine Canyon.
Thok Tfm Twh	Rhyolite of HOK Ranch; Rhyolite of Franks Mountain; Rhyolite of Wildhorse Canyon.



<div>Tvp</div> <div>Tdc</div> <div>Tlm</div> <div>TLj</div>	<p>Vicks Peak Tuff; ~ 28.6 Ma; includes some moat deposits in the southern San Mateo Mts; Tuff of Diamond Creek; ~ 28.7 Ma; Tuff of Lookout Mountain;</p> <p>La Jencia Tuff; ~ 28.9 Ma.</p>
<div>Tdp</div>	<p>Rhyolite of Dolan Peak.</p>
<div>Tsp</div>	<p>Rhyolite of Sawmill Peak.</p>
<div>Tkm</div> <div>Tsc</div>	<p>Tuff of Kline Mountain; Tuff of Stiver Canyon.</p>
<div>Tmj</div>	<p>Moccasin John Rhyolite.</p>
<div>Tlmc</div> <div>Tmh</div>	<p>Tuff of Little Mineral Creek; ~ 29.1 Ma; Tuff of Mud Hole; ~ 29.1 Ma.</p>
<div>Tpc</div>	<p>Basaltic andesite of Poverty Creek; from 29.1-29.4 Ma.</p>
<div>Ti</div>	<p>Iron Mt. intrusive, microgranite; ~ 30.1 Ma Reilly Peak intrusive.</p>
<div>Tmps</div> <div>Tcb</div> <div>Tkw</div>	<p>Sandstone of Monument Park; Caballo Blanco Tuff; ~ 31.7 Ma; Tuff of Koko Well (Rock House Canyon Tuff; ~ 34.4 Ma.</p>
<div>Tcn</div>	<p>Cuchillo Negro complex; ~ 34.7 Ma.</p>
<div>Tkn</div>	<p>Kneeling Nun Tuff; ~ 34.9 Ma.</p>



Ts	"Sugarlump Tuffs" : Tuff of Roque Ramos Canyon; ~ 35.0 Ma; Tuff of Victoria Tank; Tuff of Luna Park.
Trp Pme	Rubio Peak Formation; Exotic blocks of Pennsylvanian limestone intercalated with Rubio Peak Fm.
Te Tei Tmz KTmz	Eocene lavas; Eocene intrusives; Double S Peak stock - $39.2 \pm .9$ Ma; Sierra Cuchillo lacolith - $50.1 \pm 2.6$ Ma. Monzonite intrusives; Salado Mts. intrusive $61.4 \pm 2.4$ Ma; Monzonite intrusives of possible Cretaceous age
TKmc	McRae Formation
K	Cretaceous rocks, undivided.
P Pa	Permian rocks, undivided; Permian Abo Formation.
P	Pennsylvanian rocks, undivided.
LP	Lower Paleozoic rocks, undivided.
PE	Precambrian rocks.



Legend of Units on Santa Fe Group Map

Qvy	young valley-fill alluvium (active)
Qvo	old valley-fill alluvium, terrace deposits
QTpa	ancestral river facies of the Palomas Fm.
QTpp	piedmont facies of the Palomas Fm.



