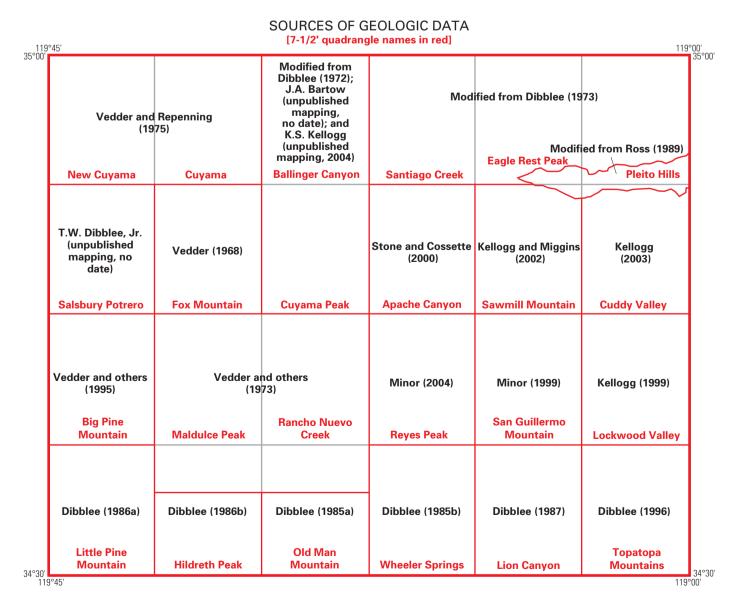
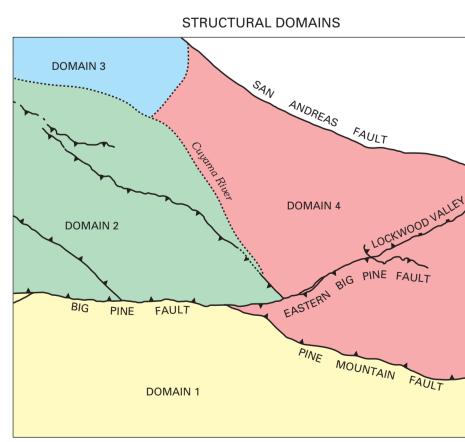


## Prepared in cooperation with the U.S. FOREST SERVICE

## CORRELATION OF MAP UNITS





GEOLOGIC MAP OF THE EASTERN THREE-QUARTERS OF THE CUYAMA 30' × 60' QUADRANGLE, CALIFORNIA

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## SCIENTIFIC INVESTIGATIONS MAP 3002 SHEET 2 OF 2 Pamphlet accompanies map

	LIST OF	MAP UNITS
Qa	Active alluvium (Holocene)	Tq
Qlsy	Young landslide deposit (Holocene)	Tqu
Qw	Wetland deposit (Holocene)	Тqс
Qac Qls	Alluvium and colluvium, undivided (Holocene and late Pleistocene) Landslide deposit (Holocene and late Pleistocene)	Тар
Qya	Younger (inactive) alluvium (Holocene and late Pleistocene)	Tqw Tqg
Qoa	Older alluvium (late and middle? Pleistocene)	Тqх
QTa	Old alluvium, locally deformed (Pleistocene and upper Pliocene?)	Tlc
QTd	Boulder diamicton (Pleistocene and late Pliocene?)	Tns
	SOUTH OF SAN ANDREAS FAULT ZONE ath of Big Pine and Pine Mountain faults (Domain 1)	Тс
Тс	Caliente Formation, undivided (upper Miocene)	Tcb
	Santa Margarita Formation (upper and middle? Miocene)	Tcu
Tsmg	Gypsum member	Tcg Tcsc
Tsms	Sandstone and mudstone member	Tcr
Tib Tm	Intrusive basalt (Miocene) Monterey Formation, undivided (middle and lower Miocene)	Tcl
Tms	Sandstone member (middle Miocene)	Tcsh
Tml	Lower calcareous member (middle and lower Miocene)	Тсх
Tmls	Limestone of Bee Rock (lower Miocene)	Tvss
Tmsu Tr	Unnamed sandstone (lower Miocene) Rincon Shale (lower Miocene)	Tvs
Trp	Piedra Blanca Sandstone Member	
Tv	Vaqueros Formation, undivided (lower Miocene and upper Oligocene)	Tscg
Tsp	Sespe Formation (Oligocene and upper Eocene?)	100
Tspc	Lower conglomeratic member Coldwater Sandstone (upper Eocene)	Tree
Tcw	Sandstone member	Tnsc
Tcwm	Mixed sandstone and shale member	Tprr
	Cozy Dell Shale (upper Eocene)	Tprs
Tcd Tcds	Shale member Sandstone member	Tprl
1005	Sandstone member Matilija Sandstone (upper and middle Eocene)	Tprb
Tma	Sandstone member	Tprx Tprc
Tmas	Shale and sandstone member	Trd
Tj	Juncal Formation, undivided (middle and lower? Eocene)	
Tjs Tjsh	Sandstone member Shale member	Tcd
TKs	Mudstone and minor sandstone (lower Eocene to Cretaceous)	Tcds
Tsb	Sierra Blanca Limestone (upper Paleocene)	Tma
Kmd	Mudstone and minor sandstone (Upper Cretaceous)	Tmas
Kms Kcg	Sandstone and minor mudstone (Upper Cretaceous) Conglomerate (Upper Cretaceous)	
KJe	Espada Formation (Lower Cretaceous and Upper Jurassic)	Tjs Tjm
	Franciscan Complex (Jurassic)	Tjsh
Jfs	Serpentinite	Тјс
Jfw Jfg	Graywacke Greenstone	Tem
Jfc	Chert	Tp Tmy
ocks we	st of Cuyama River and north of Big Pine fault (Domain 2)	Tps
	Quatal Formation (Pliocene)	Tpsb
Tqs	Upper sandstone member	Kgl
Tqcc Tqb	Coarse conglomerate member Brown clav member	Kgp Kga
Tlc	Lockwood Clay (Pliocene?)	Kda
Тс	Caliente Formation, undivided (Pliocene? and upper Miocene)	Kgn
Тсд	Granitic-clast fanglomerate member	Kgd
Tsm Tsmu	Santa Margarita Formation, undivided (upper Miocene)	MzPsc Xbg
Tsmc	Upper sandstone member Claystone member	Xag
Tsml	Lower sandstone, conglomerate, and claystone member	KXmg
	Branch Canyon Sandstone (upper and middle Miocene)	FAULT-I
Tbu	Upper member	QTg Tws
Tbm Tbl	Middle claystone member Lower sandstone member	Tph
Tm	Monterey Formation, undivided (middle and lower Miocene)	TKbx
Tmss	Basal sandstone member (middle and lower? Miocene)	ROCKS
Tmsh	Saltos Shale Member (middle and lower Miocene)	QTt
Τv	Vaqueros Formation (lower Miocene)	Tucl
	Nonmarine rocks of Santa Barbara Canyon ("Pato red beds") (lower Miocene and upper Oligocene?)	Tusg
Tnp	Red pebble-boulder conglomerate and conglomeratic sandstone member	Te
Tnv Tnsc	Variegated member Sandstone and conglomerate member	Tbw
Tng	Sandstone and congiomerate member Gypsiferous mudstone member	
Tncb	Conglomerate and breccia member	Tmb Tmg
Trd	Rhyolite dike (upper Oligocene)	Tmt
Tcd	Cozy Dell Shale (upper Eocene) Matilija Sandstone (upper and middle Eocene)	Tgcg
Tma	Sandstone member	Tt
Tmas	Mixed sandstone and shale member	Tts
Terr	Unnamed marine units (Eocene)	Ttc
Tum Tus	Mixed sandstone and shale Sandstone and minor mudstone	Ttg
Tush	Claystone, mudstone, and shale	Tvd
Tuc	Conglomerate	Tvb
TKm	Mudstone, claystone, and minor sandstone (lower Eocene to Upper Cretaceous)	ТрІ
Ksm	Mudstone and subordinate sandstone (Upper Cretaceous)	Tpls
Kss Kcg	Sandstone and subordinate mudstone and conglomerate (Upper Cretaceous) Conglomerate (Upper Cretaceous)	<b>—</b>
Kcg Ksw	White sandstone of Big Pine Mountain (Upper Cretaceous)	Tse Tses
ocks of	the Caliente Hills (Domain 3)	
	Caliente Formation (Pliocene? to lower Miocene)	Ttm
Тсс	Upper sandstone and conglomerate member (lower Pliocene or upper Miocene)	Tti
Tcb	Alkalic olivine basalt flows (upper Miocene)	Ttu TKrs
Ti	Intrusive olivine diabase (upper? Miocene)	Kgbm
Tcsl Tcs	Lower sandstone and conglomerate member (middle Miocene) Mudstone and sandstone member (middle and lower Miocene)	Kle
Tmsh	Mudstone and sandstone member (middle and lower Miocene) Saltos Shale Member of Monterey Formation (middle and lower Miocene)	Kap
Tv	Vaqueros Formation, undivided (lower Miocene)	Khd MzPzg
Tvpr	Painted Rock Sandstone Member	1121 29
Tvs Tvq	Soda Lake Shale Member Quail Canvon Sandstone Member	MzPzgb
•9	Simmler Formation (Oligocene?)	MzPzqd
Tsh	Shale member	MzPzmd
Tss	Sandstone and shale member	MzPzm
Tp	Pattiway Formation (Paleocene)	MzPzq
San An	rth of Pine Mountain fault, east of Cuyama River, and south dreas fault (including wedge between eastern Big Pine and ntain faults (Domain 4)	MzPzs
	ntain faults (Domain 4) Morales Formation, undivided (Pleistocene and upper Pliocene)	



QTm

Upper member

Lower member

QTmu

QTml

Morales Formation, undivided (Pleistocene and upper Pliocene)