

	DESCRIPTION OF MAP UNITS		Exposed michness as much as 220 m	
Qya	Younger alluvium (Holocene)—Sand, gravel, and silt along modern stream channels and valley floors	Ku	Sandstone, conglomerate, and minor mudstone, undivided (Upper Cretaceo Marine. Biotitic quartzofeldspathic sandstone, conglomerate, and minor mud	ous)- Istone
Qoa	Older alluvium (Holocene and (or) Pleistc cene)—Gravel, sand, and silt, generally		submarine-fan deposits mapped by Vedder and others (1986) east of Rinconada In adjoining quadrangles, unit contains sparse late Campanian and (or)	a fault) earl
Ols	Landslide denosits (Holocene and (or) Plainteered) Dearly and it is it i		Maestrichtian mollusks and foraminifers, as well as Late Cretaceous sporom	orphs
0.10	mud debris that displays characteristic hummocky surface expression. Not all	Ka	Unconformably overlies granitic basement. Maximum exposed thickness about	:900 n
	landslide deposits are shown	Ka	stone, siltstone, mudstone, and conglomerate; submarine-fan-facies asser	blage
QTn	Nonmarine sandstone, siltstone, and conglomerate (Pleistocene and (or) Plio-		Mollusks consist of Pterotrigonia evansana (Meek), Glycymeris anae s	Smith
	siltstone and conglomerate: partly correlative with the Deer Bally F		Corbula sp., Ostrea sp., Ambocardia? sp., Plicatula? sp., and Calva? sp. (table	1, loc
	mapped by Hart (1976). Unit contains clasts derived from Miocene and older rocks		1); probable age range of fossil assemblage is Coniacian to Campanian. This	knes
	Maximum thickness approximately 20 m	Kgr	Granitic rocks (Cretaceous)—Chiefly biotite granodiorite and guartz monzonite m	appe
Tsm	Santa Margarita Formation (Miocene)—Marine. Sandstone, siltstone, diatomite, and		by Hart (1976). Forms basement northeast of Sur-Nacimiento fault zone	
	"Margaritan"-stage mollusks and echipoids (Correy, 1054, Addiant, 1070)	KJs	Sandstone, mudstone, and conglomerate (Cretaceous and Jurassic)—Marine.	Dark
	remains of Ostrea titan particularly abundant. Contains late Miocene diatoms (table		gray sandstone, mudstone, and conglomerate that is composed mainly of roupebbles of chert and mafic volcanic rocks. Sparse megafossils consist of a b	under
	1, loc. 13). Maximum thickness about 185 m		Buchia keyserlingi (Lahusen) (table 1, loc. 2), and an ammonite. Thurmannoce	ras c
Im	Monterey Formation (Miocene)—Marine. Shale, siltstone, and mudstone; well-bedded		jenkinsi (Anderson) (table 1, loc. 3), both of which indicate a Valanginian	n age
	bedded with calcareous and dolomitic mudstone sitetone and cherty shale inter-		Probable Jurassic to Early Cretaceous palynomorphs consist of Classopoll	is sp.
	beds in lower part of section. Contains foraminifers that range in age from probably		foraminifers consist of Cribrostomoides sp and Glomospira sp (table 1, loc. 4). Creta	ceous
	late Mohnian to possibly Saucesian (table 1, locs. 5, 6, 10, 12, 14-16); contains		Lithologically similar to rocks mapped in nearby quadrangles as the Toro Forn	natio
	zone-CN4 nannofossils (table 1, loc. 9). Maximum exposed thickness about 1,875 m		by both Hall and Prior (1975) and Hart (1976), as well as the Jollo Formation b	y Hal
Tvt	Vitric tuff—Light-gray locally welded within the (the transfer in the transfer	K If	and Corbató (1967)	
	Exposed thickness about 20 m	NJI	ribbon chert graywacke greenstone and sparse greenschiet and bluesch	ict o
Tvf	Lava flows—Dark-gray, porphyritic pyroxene (augite) basalt or basaltic andesite and		enclosed in matrix of scaly argillite. Forms basement southwest of Sur-Nacin	niento
	grayish-brown, fine-grained plagioclase porphyritic dacite(?). Yields plagioclase		fault zone. Thickness unknown	
	potassium-argon age of 17.0±0.5 Ma (sec. 2, T. 31 S., R. 13 E.). Approximate	sp	Serpentinite (age unknown)—Heavily sheared masses of serpentinite that appe	ear to
Tcl	Silty claystone and mudstone (Miocene) Described by Vedder and other (1000)		protrude through the Franciscan assemblage and, locally, through unit KJs	
	marine. Massive to indistinctly bedded silty claystone and mudstone: lithologically		Contact	
	resembles the Rincon Mudstone of Santa Barbara region. May intertongue with		Fault—Dashed where inferred or approximately located; dotted where concealed; gi	ueriec
Tmd	rocks mapped herein as "Tv?". Exposed thickness as much as 65 m	V D T	where uncertain. Arrows indicate direction of relative movement. U, upth	nrowr
	angular and subangular detritus derived from the Franciscan assemblage. Some		block; D, downthrown block. A, away from observer; T, toward observer (sho	wn ir
T	blocks as large as 2 m in diameter. Exposed thickness as much as 30 m		dashed where inferred: queried where uncertain	acke
IV	Vaqueros Formation (Miocene)—Marine. Massive, light-gray, calcareous, quartzofeld-		Low-angle fault, uncertain relative movement—Dashed where inferred or ap	proxi
	Vertipecten cf. V. perrini (Arnold) and Amussionacton of A would be identified as		mately located; dotted where concealed. Hachures on upper plate	
	(table 1, loc. 11). Exposed thickness as much as 190 m		Fold axis —Dashed where interred or approximately located; dotted where conce	ealed
Tsc	Sandstone and conglomerate (Miocene and (or) Oligocene)—Marine and nonmarine.	4	Anticline Logond for	
	Marine facies consist of well-bedded, light-brown, arkosic sandstone that tends to		Legenuitor	
	supported, pebble and cobble conglomerate composed chiefly of well rounded		Syncline coutboact and of	
	volcanic clasts that are probably reworked from the Upper Cretaceous rocks, as well		Overturned anticline SOULITEDSL ETTU OT	
	as clasts composed of presumed Upper Cretaceous sandstone and siltstone.	<u> </u>	Overturned syncline	
	consistence of the second state of the second	**	Unconformity Shoum in gross section only	
	barnacle that is probably representative of Balanus concauus Group (table 1, loc. 8)	5000	Checkhorning—Shown in cross section only	
	Nonmarine facies composed of massive, disorganized, matrix-supported pebble,		Strike and dip of bedding	1000
	cobble, and boulder conglomerate that contains volcanic and quartzite clasts, which		Inclined	
	Upper Cretaceous biotite-rich sandstene. Stratigraphic relations and abases of	53	Orientation measured on ground	
	Tertiary volcanic clasts suggest that unit is older than volcanic units Tvf and Tvt.	45	Orientation estimated by distant sighting	
Ku	Sandstone, conglomerate, and minor mudstone, undivided (Unner Cretaceous)	30	Orientation estimated from agrial photographs	
	Marine. Biotitic quartzofeldspathic sands one, conglomerate, and minor mudstone:		Orientation estimated from aerial photographs	
	submarine-fan deposits mapped by Vedder and others (1986) east of Rinconada fault.	+	Vertical	
	Maestrichtian mollusks and foraminifers as well as Late Campanian and (or) early		Overturned	
	Unconformably overlies granitic basement. Maximum exposed thickness about 900 m	1/1/1	Generalized attitude of bedding-Shown in cross section only	
Ka	Atascadero Formation (Upper Cretaceous)Marine. Biotitic quartzofeldspathic sand-	5	Provide and the second and second	
	stone, siltstone, mudstone, and conglomerate; submarine-fan-facies assemblage.	A.	rossii iocality—inumber refers to table 1	
	Corbula sp., Ostrea sp., Ambocardia's p. Plicatula's p. and Calus's anae Smith,		Radiometric age locality	
	1); probable age range of fossil assemblage is Coniacian to Campanian. Thickness	1/	Landslide—Arrows show direction of downslope movement. Internal contacts distin-	quis
	complicated by faults and unconformities but probably exceeds 600 m	14	individual landslides	