



1 Series and subseries boundaries from Berggren and others (1985).
2 Stage boundaries as follows: top of "Delmontian," Obradovich and Neiser (1981); "Delmontian"-Mohnian, Mohnian-Luisian, and Luisian-Rulizan, Barron (1986); Rulizan-Saucesian, Miller (1987); Saucesian-Zemorian, Turner (1970), adjusted for new constants according to Dalrymple (1979), and Poore and others (1981); Zemorian-Refugian and Refugian-Narizian, Poore (1980); Narizian-Ulatisian, Ulatisian-Penutian, Penutian-Bulitian, and Bulitian-Ynezian, Almgren and others (1988); Ynezian-Cheneyan, Poore (1980).
3 DM, deep marine (below shelf depth); SM, shallow marine (shelf depth); NM, nonmarine. Short dashes (-), water depth inferred; queried where uncertain.
4 Based on data from Atwater (1970), Atwater and Molnar (1973), Dickinson and Sryder (1979), Page and Engebretson (1984), and Engebretson and others (1985).
5 From Huber (1981).
6 Based on data from Evernden and others (1964), Turner (1970), Prowell (1974), Stewart and Carlson (1976), Dickinson and Sryder (1979), Moore and Dodge (1980), Huber (1981), and Drinkwater (1983).
7 Modified from Haq and others (1987), adjusted to chronology of Berggren and others (1985). TA1 through TB3 represent supercycles in the sequence chronostratigraphy of Haq and others (1987).
8 Informal name of local usage.
9 Of Miller and Bloom (1957).

EXPLANATION

□ Hiatus

▨ Approximate time represented by paleogeographic maps (figs. 5-13)

▤ Subduction

▥ Wrench faulting

▧ Rhyolite

▩ Andesite or rocks of mixed composition

▪ Basalt

--- Contact—Dashed where indefinite; queried where uncertain

~ Unconformity—Queried where uncertain

SOURCES OF STRATIGRAPHIC INFORMATION
(Number refers to column number on plate 2 and corresponding area on plate 1)

- 1 Bartow (1985)
- 2 Briggs (1953), Lettis (1982), Bartow (1985)
- 3 Bartow (1985)
- 4 Phillips and others (1974), Dibblee (1979b), Nilsen (1979), Berggren and Aubert (1983), Rentschler (1985)
- 5 Woodring and others (1940), Church and Krammes (1959), Sullivan (1966), Graham and others (1982), Kuespert (1983), Bartow (1990)
- 6 Dunwoody (1965), Bartow (1990)
- 7 Dibblee (1973b), Graham and others (1982), Berggren and Aubert (1983), Bartow (1990)
- 8 Church and Krammes (1957), Dibblee (1973b), Maher and others (1975)
- 9 Bartow and McDougall (1984)
- 10 Hluzá (1960), Nilsen and others (1973), Davis (1983, 1986), DeCelles (1986), Lagoë (1986)

CORRELATION OF CENOZOIC STRATIGRAPHIC UNITS OF THE SAN JOAQUIN BASIN WITH TECTONIC, VOLCANIC, AND SEA-LEVEL EVENTS