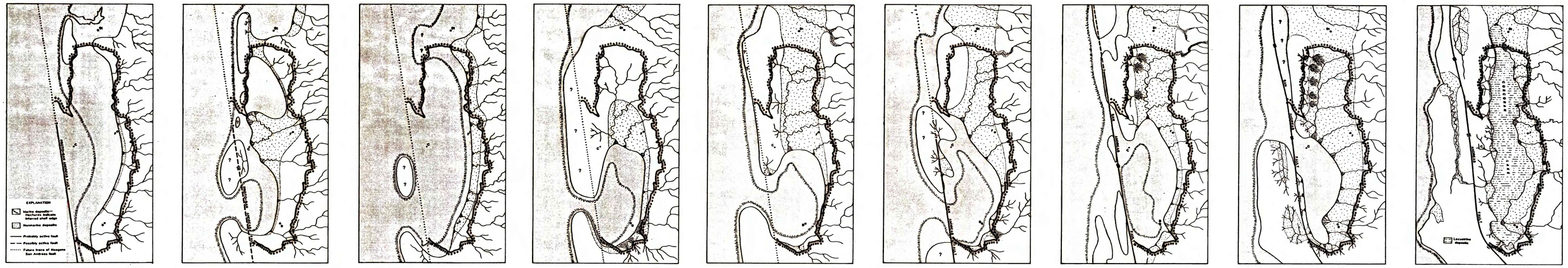

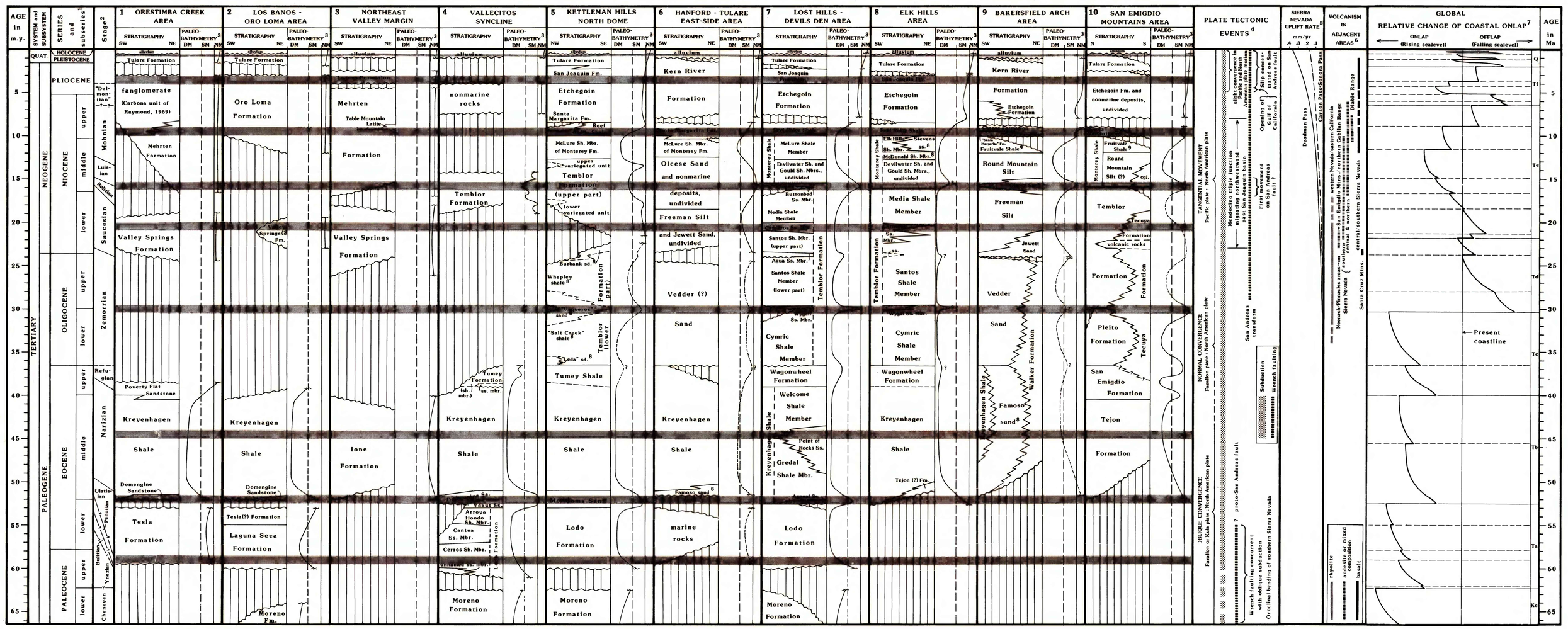

PALEOGEOGRAPHIC MAPS OF THE SAN JOAQUIN BASIN FROM LATE PALEOCENE TO PLEISTOCENE (top)

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

Adapted and slightly modified from plate and figures previously issued in U. S. Geological Survey Open-File Report 87-581.

by

J. Alan Bartow

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PALEOGEOGRAPHIC MAPS

B = Bakersfield, C = Coalinga, F = Fresno, St = Stockton

Heavy weight line with dots is province boundary

Sources of information: Gale and others (1939), Repenning (1960), Wahrhaftig and Birman (1965), Galehouse (1967), Addicott (1968), Bandy and Arnal (1969), Croft (1972), Foss (1972), Clarke (1973), Clarke and others (1975), Fritsche (1977), Graham (1978), MacPherson (1978), Cole and Armentrout (1979), Dickinson and others (1979), Graham and Berry (1979), Greene and Clark (1979), Nilsen (1979), Nilsen and McKee (1979), Slagle (1979), Phillips (1981), Cooley (1982), Graham and others (1982), Palmer and Merrill (1982), Kuespert (1983), Bate (1984), Bent (1984), Clarke and others (1984), Fischer (1984), Nilsen (1984), Pence (1985), Stanley (1985), Page (1986)

SOURCES OF STRATIGRAPHIC INFORMATION

Column

1. Bartow (1985)
2. Briggs (1953), Lettis (1982), Bartow (1985)
3. Bartow (1985)
4. Phillips and others (1974), Dibblee (1979b), Nilsen (1979), Rentschler (1985)
5. Woodring and others (1940), Church and Krammes (1959), Sullivan (1966), Kuespert (1983), Bartow (unpub. data)
6. Dunwoody (1969), Bartow (unpub. data)
7. Dibblee (1973b), Bergqren and Aubert (1983), Bartow (unpub. data)
8. Church and Krammes (1957), Dibblee (1973b), Maher and others (1975)
9. Bartow and McDougall (1984)
10. Hluza (1960), Nilsen and others (1973), Davis (1983, 1986), DeCelles (1986), Lagoe (1986)

CORRELATION CHART ANNOTATIONS

1. Series and subseries boundaries after Berggren and others (1985)
2. Stage boundaries as follows: "Delmontian," Obradovitch and Naeser (1981); Mohnian to Zemorrian, Turner (1970) and Poore, Barron and Addicott (1981), adjusted for new constants according to Dalrymple (1979); Refugian to Cheneyan, Poore (1980)
3. DM, deep marine (below shelf depth); SM shallow marine (shelf depth); NM, nonmarine
4. Based on data from Atwater (1970), Atwater and Molnar (1973), Dickinson and Snyder (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 Snyder (1979), Moore and Dodge (1980), Huber (1981) and Drinkwater (1983)
7. From Vail and Hardenbol (1979), adjusted to chronology of Berggren and others (1985), in part after Aubry (1985)
8. Informal name of local usage
9. of Miller and Bloom (1937)

This map is preliminary and has not been reviewed for conformity with U.S. Geological Survey editorial standards and stratigraphic nomenclature. Any use of trade names is for descriptive purposes only and does not imply endorsement by the USGS.