

REFERENCES FROM FIGURE 1 NOT CITED IN TEXT (for data repository)

Footnote 1

Fig. 1 - Tectonstratigraphic chart and locations of Mesozoic convergent-margin assemblages in Baja California, Mexico (Sedlock et al., 1993), grouped by evolutionary phases (see Fig 2). **PHASE 1** - South Vizcaino Peninsula: La Costa ophiolite (LCO) and San Hipolito Formation (SH) (Whalen and Pessagno, 1984; Moore, 1985); volcaniclastic strata of Cerro El Calvario (CEC) (Moore, 1984, 1985). North Vizcaino Peninsula: Sierra San Andres ophiolite (SSO) and overlying Puerto Escondido tuff (PE) (Barnes, 1984; Moore, 1985); Eugenia Formation (E) (Hickey, 1984; Kimbrough et al., 1987). Cedros Island: Cedros Island ophiolite (CIO) and Choyal oceanic arc assemblage (C), overlapped by Gran Canon Formation backarc apron volcaniclastic rocks (GC) (Kimbrough, 1984, 1985; Busby-Spera, 1987, 1988); Coloradito Formation (CF) (Kilmer, 1984; Boles and Landis, 1984); Eugenia Formation (Kilmer, 1984). **PHASE 2** - Vizcaino Peninsula and Cedros Island: fore-arc strata, including Asuncion Formation (A) and lower Valle Group (VG) (Barnes, 1984; Moore, 1984, 1985; Patterson, 1984; Busby-Spera and Boles, 1986; Smith and Busby, 1994). Western Belt Peninsular Ranges (Gastil et al., 1978; Todd et al., 1988; Thomson and Girty, 1994): Alisitos Group (AG) oceanic island arc assemblage (Silver et al. 1963; Gastil et al., 1975; Beggs, 1984; Gastil, 1985; Silver et al., 1986; Busby-Spera and White, 1987; White and Busby-Spera, 1987; Fackler-Adams, 1997) and back-arc strata on a continental-margin substrate. At the

beginning of phase three, rocks of the western belt Peninsular Ranges were thrust under Paleozoic-Mesozoic terranes of the eastern belt Peninsular Ranges (Gastil, 1985; Griffith, 1987; Griffith et al., 1986; Goetz, 1989; Goetz et al., 1988; George and Dokka, 1994), including the Julian Schist of Thomson and Girty (1994). **PHASE 3 - Vizcaino Peninsula and Cedros Island:** forearc strata, upper Valle Group (VG) (Barnes, 1984; Patterson, 1984; Morris et al., 1989; Smith and Busby, 1993a, 1993b, 1994) and coeval blueschist metamorphism of the subduction complex of Figure 2 (Baldwin and Harrison, 1989; Sedlock, 1989). **Western Peninsular Belt Ranges:** fore-arc strata, Rosario Group (RG) (Kilmer, 1963; Gastil and Allison, 1966; Nilsen and Abbott, 1981; Bottjer and Link, 1984; Yeo, 1984; Boehlke and Abbott, 1986; Cunningham and Abbott, 1986; Morris and Busby-Spera, 1988, 1990; Morris et al., 1989; Morris, 1992; Fulford and Busby, 1993; Morris and Busby, 1996). **Eastern Belt Peninsular Ranges:** continental-arc plutons, which record an eastward-migrating linear locus of magmatism from ca. 100 to 75 Ma (Krummenacher et al., 1975; Silver, 1986; Silver et al., 1963). Northward translation of the Baja California Peninsula in this time frame (Hagstrum et al., 1990) may have resulted from strongly-coupled subduction.

Baldwin, S. L. and Harrison, T. M., 1989, Geochronology of blueschists from west-central Baja California and the timing of uplift in subduction zones: *Journal of Geology*, v. 97, p. 149-163.

Barnes D. A., 1984, Volcanic arc derived, Mesozoic sedimentary rocks, Vizcaino Peninsula, Baja California Sur, Mexico, in Frizzell V.A. (ed.), Geology of the Baja California Peninsula, Book 39, Pacific Section Society Economic Paleontologists and Mineralogists., Los Angeles, p.119-130.

Beggs, J.M., 1984, Volcaniclastic rocks of the Alisitos Group, Baja California, Mexico, in Frizzell V.A. (ed.), Geology of the Baja California Peninsula, Book 39, Pacific Section Society Economic Paleontologists and Mineralogists., Los Angeles, p 43-52.

Boehlke, J.E. and Abbott, P.L., 1986, Punta Baja Formation, a Campanian submarine canyon fill, Baja California, Mexico, in, P.L. Abbott, ed., Cretaceous Stratigraphy Western North America: Pacific Section S.E.P.M., v. 46, p.91-102.

Boles, J.R. and Landis, C.A., 1984, Jurassic sedimentary melange and associated facies, Baja California, Mexico: Geological Society of America Bulletin, v. 95, p. 513-521.

Bottjer, D.J. and Link, M.H., 1984, A synthesis of Late Cretaceous southern California and northern Baja California paleogeography, in Crouch, J.K. and Bachman, S.B. (eds.), Tectonics and sedimentation along the California margin (Book 38): Pacific Section, Society of Economic Paleontologists and Mineralogists, Los Angeles, p. 79-90.

Busby-Spera, C. J., 1987, Lithofacies of deep marine basalts emplaced on a Jurassic backarc apron, Baja California (Mexico): Journal of Geology, v. 95, p. 671-686.

Busby-Spera, C. J., 1988, Evolution of a Middle Jurassic back-arc basin, Cedros Island, Baja California: Evidence from a marine volcaniclastic apron: Geological Society of America Bulletin, v. 100, p. 218-233.

Busby-Spera, C. J., and Boles, J. R., 1986, Sedimentation and subsidence styles in a Cretaceous forearc basin, southern Vizcaino Peninsula, Baja California, Mexico, in Abbott, P. L., ed., Cretaceous stratigraphy, western North America: Pacific Section, Society of Economic Paleontologists and Mineralogists, p. 79-90.

Busby-Spera, C. J., and White, J. D. L., 1987, Variation in peperite textures associated with differing host sediment properties: Bull. Volcanology, v. 49, no. 6, p. 765-776.

Cunningham, A.B. and Abbott, P.L., 1986, Sedimentology and provenance of the Upper Cretaceous Rosario Formation south of Ensenada, Baja California, Mexico, in, P.L. Abbott, ed., Cretaceous Stratigraphy Western North America: Pacific Section S.E.P.M., v. 46, p. 103-118.

Fackler-Adams, Benjamin N., 1997, Volcanic and sedimentary facies, processes, and tectonics of intra-arc basins: The Jurassic continental arc of California and the Cretaceous oceanic arc of Baja California, unpublished Ph. D. thesis, University of California at Santa Barbara, 248 pp.

Fulford, M. M. , and Busby, C. J., 1993, Tectonic controls on non-marine sedimentation in a Cretaceous fore-arc basin, Baja California, Mexico, in Frostick, L. E., and Steel, R. J., eds., Tectonic controls and signatures in sedimentary successions: International Association of Sedimentologists Special Publication 20, p. 301-333

Gastil, R.G., 1985, Terranes of Peninsular California and adjacent Sonora: Circum-Pacific Council for Energy and Mineral Resources Earth Sciences Series, v. 1, p. 273-283.

Gastil, R.G., Phillips, R.C. and Allison, E.C., 1975, Reconnaissance geology of the state of Baja California: Geological Society of America Memoir 140, 170 p.

Gastil, G. and Allison, E.C., 1966, An upper Cretaceous fault-line coast: A.A.P.G.Bull. (abstr) v. 50, p. 647-648. P.L. Abbott (ed.), Cretaceous stratigraphy western North America (Book 46): Pacific Section Society of Economic Paleontologists and Mineralogists, Los Angeles, p. 103-118.

Gastil, R. G., Morgan, G. J., Krummenacher, D., 1978, Mesozoic history of Peninsular California and related areas east of the Gulf of California, *in* Howell, D. G., and McDougall, K. A. (eds), Mesozoic paleogeography of the western United States: Pacific Coast Paleogeography Symposium 2, Pacific Section Society of Economic Paleontologists and Mineralogists, Los Angeles, p. 107-115.

George, P. G and Dokka, R. K., 1994, Major Late Cretaceous cooling events in the eastern Peninsular Ranges, California, and their implications for Cordilleran tectonics: Geological Society of America Bulletin, v. 106, p. 903-914.

Goetz, C. W., Girty, G. H. and Gastil, R. G., 1988, East over west ductile thrusting along a terrane boundary in the Peninsular Ranges: Rancho El Rosarito, Baja California, Mexico: Geological Society of America Abstracts with Programs, v. 20, no. 3, p. 164.

Griffith, R.C., 1987, Geology of the southern Sierra Calamuje area: Structural and stratigraphic evidence for latest Albian compression along a terrane boundary, Baja California, Mexico (MS thesis): San Diego, California, 119 p., San Diego State University.

Hagstrum, J. T. and Filmer, P. E., 1990, Paleomagnetic and tectonic constraints on Late Cretaceous to Early Tertiary northward translation of the Baja California Peninsula: Geofisica International., v. 29, p. 175-184.

Hickey, J.J., 1984, Stratigraphy and composition of a Jura-Cretaceous volcanic arc apron, Punta Eugenia, Baja California Sur, Mexico, in Frizzell V.A. (ed.), Geology of the Baja California Peninsula, Book 39, Pacific Section Society Economic Paleontologists and Mineralogists., Los Angeles, p 149-160.

Kilmer, F.H., 1963, Cretaceous and Cenozoic stratigraphy and paleontology, El Rosario area: Ph.D. thesis (unpub.), University of California, Berkeley, 149 p.

Kilmer, F.H., 1984, Geology of Cedros Island, Baja California, Mexico: Humboldt State University, Arcata, 69 p.

Kimbrough, D.L., Hickey, J.J. and Tosdal, R.M., 1987, U-Pb ages of granitoid clasts in upper Mesozoic arc-derived strata of the Vizcaino Peninsula, Baja California, Mexico: Geology, v. 15, p. 26-29.

Kimbrough, D.L., 1984, Paleogeographic significance of the Middle Jurassic Gran Canon Formation, Cedros Island, Baja California, in Frizzell V.A. (ed.), Geology of the Baja California Peninsula, Book 39, Pacific Section Society Economic Paleontologists and Mineralogists., Los Angeles, p 107-118.

Kimbrough, D.L., 1985, Tectonstratigraphic terranes of the Vizcaino Peninsula and Cedros and San Benito Islands, Baja California,

Mexico: Circum-Pacific Council for Energy and Mineral Resources Earth Sciences Series, v. 1, p. 285-298.

Krummenacher, D., Gastil, R.G., Bushee, J. and Doumont, J., 1975, K-Ar apparent ages, Peninsular Ranges batholith, southern California and Baja California: Geological Society of America Bulletin, v. 86, p. 760-768.

Moore, T.E., 1984, Sedimentary facies and composition of Jurassic volcaniclastic turbidites at Cerro El Calvario, Vizcaino Peninsula, Baja California Sur, Mexico, in Frizzell V.A. (ed.), Geology of the Baja California Peninsula, Book 39, Pacific Section Society Economic Paleontologists and Mineralogists., Los Angeles, p. 131-148.

Moore, T.E., 1985, Stratigraphy and tectonic significance of the Mesozoic tectonstratigraphic terranes of the Vizcaino Peninsula, Baja California Sur, Mexico: Circum-Pacific Council for Energy and Mineral Resources Earth Sciences Series, v. 1, p. 315-329.

Morris, W. R., 1992, The depositional framework, paleogeography and tectonic development of the Late Cretaceous through Paleocene Peninsular Range forearc basin in the Rosario Embayment, Baja California, Mexico, (Ph.D thesis): Santa Barbara, Doctoral Dissertation, University of California, 295 pp.

Morris, W. R., and Busby-Spera, C. J., 1988, Sedimentologic evolution of a submarine canyon in a forearc basin, Late Cretaceous Rosario Formation, San Carlos, Mexico: American Association Petroleum Geologists, Bulletin v. 72, p. 717-737.

Morris, W. R., and Busby-Spera, C. J., 1990, A submarine fan valley-levee complex in the Upper Cretaceous Rosario Formation, Baja California: Implications for turbidite facies models: Geological Society America Bulletin, v. 102, p. 900-914.

Morris, W. R., Smith, D. P., and Busby-Spera, C. J., 1989, Conglomerate facies and processes in deep marine Cretaceous forearc basins of Baja California, Mexico, in Colburn, I. and Abbott, P., eds., Conglomerates and basin analysis, Pacific Section Society of Economic Plaeontoligists and Mineralogists, p. 123-142.

Nilsen, T.H. and Abbott, P.L., 1981, Paleogeography and sedimentology of Upper Cretaceous turbidites, San Diego, California: American Association of Petroleum Geologists Bulletin, v. 65, p. 1256-1284.

Patterson,D.L., 1984, Los Chapunes and Valle sandstones: Cretaceous petrofacies of the Vizcaino basin, Baja California, Mexico, in Frizzell V.A. (ed.), Geology of the Baja California Peninsula, Book 39, Pacific Section Society Economic Paleontologists and Mineralogists., Los Angeles, p 161-182.

Sedlock, R.L., 1989, Tectonic setting of blueschist and island-arc terranes of west-central Baja California, Mexico: Geology, v. 16, p. 205-233.

Sedlock, R. L., Ortega-Gutierrez, F., and Speed, R. C., 1993, Tectonostratigraphic terranes and tectonic evolution of Mexico: Geological Society America Special Paper 278, 153 p.

Silver, L. T., 1986, Observations on the Peninsular Ranges batholith, southern California and Mexico, in space and time: Geological Society of America Abstracts with Programs, v. 18, p. 184.

Silver, L.T., Stehli, F.G., and Allen, C.R., 1963, Lower Cretaceous prebatholithic rocks of northern Baja California, Mexico: American Association of Petroleum Geologists Bulletin, v. 47, p. 2054-2059.

Smith, D. P., and Busby, C. J., 1993a, Mid-Cretaceous crustal extension recorded in deep-marine half-graben fill, Cedros Island, Mexico. Geological Society America Bulletin, v. 105, p. 547-562.

Smith, D. P., and Busby, C. J., 1993b, Shallow magnetic inclinations in the Cretaceous Valle Group, Baja California: Remagnetization, compaction or terrane translation?: Tectonics, v. 12, no. 5 p. 1258-1266.

Thomson, C.N., and Girty, G.H., 1994, Early Cretaceous intra-arc ductile strain in Triassic-Jurassic and Cretaceous continental margin arc rocks, Peninsular Ranges, California, Tectonics, v.13, 1108-1119

Todd, V.R., Erskine, B.G., and Morton, L., 1988, Metamorphic and tectonic evolution of the northern Peninsular Ranges batholith, southern California, in Ernst, W.G. (ed.), Metamorphism and crustal evolution of the western United States (Rubey Volume VII): Prentice Hall, Englewood Cliffs, p. 895-937.

Whalen, P.A. and Pessagno, E.A. Jr, 1984, Lower Jurassic radiolaria, San Hipolito Formation, Vizcaino Peninsula, Baja California Sur, in Frizzell V.A. (ed.), Geology of the Baja California Peninsula, Book 39, Pacific Section Society Economic Paleontologists and Mineralogists, Los Angeles, p. 53-65.

White, J. D. L., and Busby-Spera, C. J., 1987, Deep marine arc apron deposits and syndepositional magmatism in the Alisitos Group at Punta Cono, Baja California, Mexico: Sedimentology (October issue, v. 34, no. 5, p. 911-927.

Yeo, R.K., 1984, Sedimentology of Upper Cretaceous strata, northern Baja California, Mexico, in Abbott, P.L. (ed.), Upper Cretaceous depositional systems in southern California-northern Baja California (Book 36): Pacific Section, Society of Economic Paleontologists and Mineralogists, Los Angeles, p. 109-120.

Footnote 2 - References to extensional forearcs.

Flinch, J.F., and Bally, A.W., 1992, Extensional basins in a forearc setting, Betic and Rif Cordilleras; AAPG annual convention abstr, p.41-42.

Flint, S. and Turner, P., 1988, Alluvial fan and fan-delta sedimentation in a forearc extensional setting; the Cretaceous Coloso basin of northern Chile, *in* W. Nemec and R.J. Steel (eds), Fan Deltas: Sedimentology and Tectonic Settings, Blackie and Son, Glasgow, p. 387-399.

Imperato, D.P., 1996, Timing and style of subduction-related deformation, central Great Valley, California; American Association of Petroleum Geologists annual meeting abstr., p.69.

Wessel, J.K., Fryer, P., Wessel, P. and Taylor, B., 1994, Extension in the northern Mariana inner forearc; *Jour. geophys. Res.*, vol. B-99, no. 8, p. 15,181-15,203.