

## 9 References

- Anderson, R. G. and Reichenbach, I. (1991). U-Pb and K-Ar framework for Middle to Late Jurassic (172-158 Ma) and Tertiary (46-27 Ma) plutons in the Queen Charlotte Islands, British Columbia. *In* Evolution and Hydrocarbon Potential of the Queen Charlotte Basin, British Columbia, G. J. Woodsworth (ed.). Geological Survey of Canada, Paper 90-10, p. 59-87.
- Atwater, T., and Stock, J. M. (1998). Pacific-North America Plate Tectonics of the Neogene Southwestern United States: An Update, *International Geol. Review*, v. 40, p. 375-402.
- Bird, A., Earthquakes in the Queen Charlotte region: 1982-1996 (1997). M. Sc. Thesis, University of Victoria, Victoria, B. C., Canada.
- Bogue, S. W., (2003). An alternative method for the structural correction of paleomagnetic directions and the paleolatitude of the Duke Island ultramafic complex, GACMAC abstract, national meeting.
- Bustin, R. M. (1997). Petroleum source rocks, organic maturation and thermal history of the Queen Charlotte Basin, British Columbia. *Bulletin of Canadian Petroleum Geology*, v. 45(3), p. 255-278.
- Bustin, R.M. and Mastalerz, M. (1995). Organic petrology and geochemistry of organic-rich rocks of the Late Triassic and Early Jurassic Sandilands and Ghost Creek Formations, Queen Charlotte Islands, British Columbia. *Marine and Petroleum Geology*, v. 12, p. 70-81.
- Cameron, B. E. B. and Tipper, H.W. (1985): Jurassic stratigraphy of the Queen Charlotte Islands, Queen Charlotte Islands, British Columbia. Geological Survey of Canada. *Bulletin*, 365, 49pp.
- Cameron, B. E. B. and Hamilton, T. S. (1988). Contributions to the stratigraphy and tectonics of the Queen Charlotte Basin, British Columbia. *In* Current Research, Part E, Geological Survey of Canada, Paper 88-1E, p. 221-227.
- Carter, E. S. and Haggart, J. W. (2003). Biogeographic affinities of Jurassic(Pliensbachian-Bajocian) and Cretaceous (Aptian-Coniacian) radiolarian faunas of Queen Charlotte Islands, B.C.: temperate not Tehyan! GACMAC abstract.
- Cretney, W., Crawford, W., Masson, D. and Hamilton, T. (2002), Physical oceanographic and geologic setting of a possible offshore oil and gas industry in the Queen Charlotte Basin, Canadian Science Advisory Secretariat, research Paper 2002/004, 38 pp.

- Dehler, S. A., Keen, C. E. and Rohr, K. M. M. (1997). Tectonic and thermal evolution of Queen Charlotte Basin: lithospheric deformation and subsidence models. *Basin Research*, v. 9, p. 243-261.
- Desrochers, A. and Orchard, M.J. (1991) Stratigraphic revisions and carbonate sedimentology of the Kunga Group (Upper Triassic-Lower Jurassic), Queen Charlotte Islands, British Columbia. *In* Evolution and Hydrocarbon Potential of the Queen Charlotte Basin, British Columbia, G. J. Woodsworth (ed.), Geological Survey of Canada, Paper 90-10, p.163-172.
- Dietrich, J. R., Higgs, R., Rohr, K. M. and White, J. M. (1993). The Tertiary Queen Charlotte Basin: a strike-slip basin on the western Canadian continental margin. *In*: Tectonic Controls and Signatures in Sedimentary Successions, L. Frostick and R. Steel (ed.). Special Publication Number 20, International Association of Sedimentologists, p. 161-169.
- Dietrich, J. R. (1995). Petroleum resource potential of the Queen Charlotte Basin and environs, west coast Canada. *Bulletin of Canadian Petroleum Geology*, v. 43(1), p. 20-34.
- Engebretson, D. C., Cox, A., and Gordon, R. G. (1985). Relative plate motions between oceanic and continental plates in the Pacific basin. Special Paper of the Geological Society of America, v. 206, 59 p.
- Haggart, J. W. (1991). A synthesis of Cretaceous stratigraphy, Queen Charlotte Islands, British Columbia. *In*: Evolution and Hydrocarbon Potential of the Queen Charlotte Basin, British Columbia, G. J. Woodsworth (ed.), Geological Survey of Canada, Paper 90-10, p. 253-277.
- Hamilton, T. S., and Cameron, B.E.B. (1989). Hydrocarbon occurrences on the Western Margin of the Queen Charlotte Basin. *Bulletin of Canadian Petroleum Geology*, v. 37(4), p. 443-466.
- Hannigan, P. K., Dietrich, J. R., Lee, P. J. and Osadetz, K. G. (1998). Petroleum Resource Potential of Sedimentary Basins on the Pacific Margin of Canada. Geological Survey of Canada Open File 3629: 85 pp.
- Hannigan, P. K., Dietrich, J. R., Lee, P. J. and Osadetz, K. G. (2001). Petroleum Resource Potential of Sedimentary Basins on the Pacific Margin of Canada. Geological Survey of Canada Bulletin 564, 74 pp.
- Hickson, C. J. (1992). The Masset Formation on Graham Island, Queen Charlotte Islands, British Columbia. *In*: Evolution and Hydrocarbon Potential of the Queen Charlotte Basin, British Columbia, G. J. Woodsworth (ed.), Geological Survey of Canada, Paper 90-10, p. 305-324.

- Higgs, R. (1991). Sedimentology, basin-fill architecture and petroleum geology of the Tertiary Queen Charlotte Basin, British Columbia. *In: Evolution and Hydrocarbon Potential of the Queen Charlotte Basin, British Columbia*, G. J. Woodsworth (ed.), Geological Survey of Canada, Paper , p. 337-371.
- Hyndman, R. D. and Hamilton, T. S. (1991). Cenozoic relative plate motions along the northeastern Pacific Margin and their association with Queen Charlotte area tectonics and volcanism. *In Evolution and Hydrocarbon Potential of the Queen Charlotte Basin, British Columbia*, G. J. Woodsworth (ed.), Geological Survey of Canada, Paper 90-10, p. 107-126.
- Irving, I., Souther, J. G. and Baker, J. (1992) Tertiary extension and tilting in the Queen Charlotte Islands: Evidence from dyke swarms and their paleomagnetism, *Canadian Journal of Earth Sciences*, v. 29, p.1878-1898.
- Johnston, S. T., Wynne, P. J., Francis, D., Enkin, R. J., Hart, C. J. R., and Engebretson, D. C.(1996). Yellowstone in Yukon: The Late Cretaceous Carmacks Group. *Geology*, v. 24, p. 997-1000.
- Lewis, P. D. and Ross, J. V. (1991). Mesozoic and Cenozoic structural history of the central Queen Charlotte Islands, *In Evolution and Hydrocarbon Potential of the Queen Charlotte Basin, British Columbia*, G. J. Woodsworth (ed.), Geological Survey of Canada, Paper 90-10, p. 31-50.
- Lewis, T. J., Bentowski, W. H., and Wright, J. A. (1991a). Thermal state of the Queen Charlotte Basin, British Columbia: warm. *In Evolution and Hydrocarbon Potential of the Queen Charlotte Basin, British Columbia*, G. J. Woodsworth (ed.), Geological Survey of Canada, Paper 90-10, p. 489-506.
- Lewis, P. D., Haggart, J. W., Anderson, R. G., Hickson, C. J., Thompson, R. I, Dietrich, J. R., and Rohr, K. M. M. (1991b). Triassic to Neogene geologic evolution of the Queen Charlotte region. *Canadian Journal of Earth Sciences*, v. 28, p. 854-869.
- Lowe, C. and Dehler (1995). Moho depths beneath the Queen Charlotte Basin, Canada- results of a seismically constrained gravity inversion, *Journal Geophysical Research*, v. 100, p24331-24345.
- McKenzie, D. (1978). Some remarks on the development of sedimentary basins. *Earth and Planetary Science Letters*, v. 40, p. 25-32.
- Norton, I., (1995). Plate motions in the north Pacific: The 43 Ma nonevent, *Tectonics*, v. 14, p. 1080-1094.
- Niemann, M., 2004, Sensitivity analysis of key parameters investigated with a simplified 1-D conceptual basin model of the Sockeye B-10 well in the Queen Charlotte

Basin, Centre for Earth and Ocean Science Report, University of Victoria, 89 pp.

- Orchard, M.J. and Forster, P. J. L. (1991). Conodont colour and thermal maturity of the Late Triassic Kunga Group, Queen Charlotte Islands, British Columbia. *In* Evolution and Hydrocarbon Potential of the Queen Charlotte Basin, British Columbia, G. J. Woodsworth (ed.), Geological Survey of Canada, Paper 90-10, p. 453-464.
- Rohr K. M. M. and Dietrich, J. (1990). Deep seismic survey of Queen Charlotte Basin, Geological Survey of Canada Open File Report 2258.
- Rohr, K. M. M. and Dietrich, J. R. (1992). Strike-slip tectonics and development of the Tertiary Queen Charlotte Basin, offshore western Canada: evidence from seismic reflection data. *Basin Research*, v. 4, p. 1-19.
- Rohr, K. M. M. and L. Currie, (1997). Queen Charlotte Basin and Coast Mountains: Paired belts of subsidence and uplift caused by a low-angle normal fault, *Geology*, v. 25, p. 819-822.
- Rohr, K. M. M., Scheidhauer, M., and Trehu, M. (2000). Transpression between two warm mafic plates: The Queen Charlotte Fault revisited. *Journal of Geophysical Research*, v. 105, p 8,147-8,172.
- Schroeder-Adams, C. J., Kottachchi, N., and Haggart, J. W. (2003). Northward displacement of Wrangellia: are benthic foraminifers a piece of the puzzle? GACMAC abstract, national meeting.
- Sclater, J. and Christie, P. (1980). Continental stretching: explanation of the post-Mid-Cretaceous subsidence of the central North Sea basin. *Journal of Geophysical Research*, v. 86, p. 3711-3739.
- Shell Canada Ltd. (1968a). Well history report, Shell Anglo Tyee N-39; Canada Department of Energy, Mines and Resources, Open File.
- Shell Canada Ltd. (1968b). Well history report, Shell Anglo Sockeye B-10; Canada Department of Energy, Mines and Resources, Open File.
- Shell Canada Ltd. (1968c). Well history report, Shell Anglo Sockeye E-66; Canada Department of Energy, Mines and Resources, Open File.
- Shell Canada Ltd. (1968d). Well history report, Shell Anglo Auklet G-41; Canada Department of Energy, Mines and Resources, Open File.
- Snowdon, L. R., Fowler, M.G., and Hamilton, T.S. (1988). Sources and seeps: organic geochemical results from the Queen Charlotte Islands. *In* Some aspects of the

petroleum geology of the Queen Charlotte Islands. Canadian Society of Petroleum Geologists, Field Trip Guide, p. 37-43.

- Souther, J. G. and Jessop, A. M. (1991). Dyke swarms in the Queen Charlotte Islands, British Columbia and implications for hydrocarbon exploration. *In* Evolution and Hydrocarbon Potential of the Queen Charlotte Basin, British Columbia, G. J. Woodsworth (ed.), Geological Survey of Canada, Paper 90-10, p. 465-488.
- Spence, G. D. and Asudeh, I. (1993). Seismic velocity structure of the Queen Charlotte Basin beneath Hecate Strait. *Canadian Journal of Earth Sciences*, v.30, p.787-805
- Steckler, M. and Watts, A. (1978). Subsidence of the Atlantic-type continental margin of New York. *Earth and Planetary Science Letters*, v. 41: p. 1-13.
- Stock, J.M. and Molnar, P. (1988). Uncertainties and implications of the Late Cretaceous and Tertiary position of North America relative to the Farallon, Kula, and Pacific Plates. *Tectonics*, v. 6, p. 1339-1384.
- Trop, J. M., Ridgway, K. D., Szuch, D. A. and Slaughter, T. C., (2003). Mesozoic basin development and deformation along the outboard margin of the Wrangellia composite terrane, southern Alaska, GACMAC abstract, national meeting.
- Van der Heyden, P. (1989) U-Pb and K-Ar geochronometry of the Coast Plutonic Complex 53°N to 54°N, British Columbia, and implications for the Insular-Intermontane Superterrane boundary; Ph. D. thesis, University of British Columbia, Vancouver, 253 pp.
- Vellutini, D., and Bustin, R. M. (1991a). Source rock potential of Mesozoic and Tertiary strata of the Queen Charlotte Islands. *In* Evolution and Hydrocarbon Potential of the Queen Charlotte Basin, British Columbia, G. J. Woodsworth (ed.), Geological Survey of Canada, Paper 90-10, p. 381-409.
- Vellutini, D., and Bustin, R. M. (1991b). Organic maturation and source rock potential of Mesozoic and Tertiary strata of the Queen Charlotte Islands, British Columbia. *In* Evolution and Hydrocarbon Potential of the Queen Charlotte Basin, British Columbia, G. J. Woodsworth (ed.), Geological Survey of Canada, Paper 90-10, p. 411-451.
- White, J. M. (1990). Evidence of Paleogene sedimentation on Graham Island, Queen Charlotte Islands, west coast, Canada. *Canadian Journal of Earth Sciences*, v. 27, p. 533-538.
- Whiticar, M. J., Schuemann, T., Niemann, M., Rohr, K. M. M. and Johns, M. (2003) Delineation of Prospective Sectors in Hecate Strait with Offshore Petroleum Potential, Phase I Report, 137 pp.

- Woodsworth, G. J. (1988). Karmutsen Formation and the east boundary of Wrangellia, Queen Charlotte Basin, British Columbia. In: Current Research Part E, Geological Survey of Canada, Paper 88-1E, p. 209-212.
- Woodsworth, G. J. (1991). Neogene to Recent volcanism along the east side of Hecate Strait, British Columbia. *In* Evolution and Hydrocarbon Potential of the Queen Charlotte Basin, British Columbia, G. J. Woodsworth (ed.), Geological Survey of Canada, Paper 90-10, p. 325-335.
- Wygrala, B. (1989). Integrated study of an oil field in the southern Po basin, northern Italy. Ph.D. thesis, University of Koeln.
- Yalcin, M., Littke, R. and Sachsenhofer, R. (1997). Petroleum and Basin Evolution, chap. Thermal History of Sedimentary Basins. Springer, p. 71-167.
- Yorath, C. J. and Hyndman, R. D. (1983). Subsidence and thermal history of Queen Charlotte Basin, Canadian Journal of Earth Sciences, v. 20, p. 135-159.