

Australia datapack of biostratigraphy and regional stratigraphy -- current contents (July, 2016)

NOTE: Datapack has "hot-windows" with details on calibrations and data sources for each entry, lithology unit and well URL, links, tectonic and facies maps, etc.

This datapack is developed by Geoscience Australia in collaboration with the TSCreator group

Contact Andrew Kelman (andrew.kelman@ga.gov.au) for the special Public "GA-TS_Creator6.3" that has this Australian dataset pre-installed (available Mar'14)

Updated and enhanced versions will be posted by GA and TSC-group, especially additional details and transects for basin stratigraphy.

Geoscience Australia - Biozonation Datapack

Australian Stages of Early Paleozoic

Major Macrofossil zonations

Australian Trilobite Zonations

Central Australia trilobite zonation

Central Main References = (1) Opik, A.A., 1979. Middle Cambrian agnostids: systematics and biostratigraphy. Bureau of Mineral Resources, Geology and Geophysics, Bulletin 172, 1-188. (2) Shergold, J.H., 1991. Late Proterozoic and Early Paleozoic paleontology and biostratigraphy of the Amadeus Basin. Bureau of Mineral Resources, Geology and Geophysics, Bulletin 236, 97-111. (3) Shergold, J.H., 1993. The Ivorian, a proposed Late Cambrian Stage, and its subdivision in the Burke River Structural Belt, western Queensland. BMR Journal of Australian Geology & Geophysics 13, 345-358. (4) Laurie, J.R., 2006a. Ordovician trilobites from the Horn Valley Silstone and basal Stairway Sandstone, Amadeus Basin, Northern Territory. Memoirs of the Association of Australasian Palaeontologists 32, 287-345. (5) Laurie, J.R., 2006b. Early Middle Cambrian trilobites from Pacific Oil & Gas Baldwin No. 1 well, southern Georgina Basin, Northern Territory. Memoirs of the Association of Australasian Palaeontologists 32, 127-204. (6) Forley, R.A. & Shergold, J.H., 1984. Early Ordovician trilobites, Nora Formation, central Australia. Palaeontology 27(2), 315-366. (7) Jell, P.A., 1990. Trilobites, 257-322 in Bengtson, S., Conway Morris, S., Cooper, B.J., Jell, P.A. & Runnegar, B.N. Early Cambrian fossils from South Australia. Memoirs of the Association of Australasian Palaeontologists 9. (8) Kruse, P.D., Laurie, J.R. & Webby, B.D., 2004. Cambrian geology and paleontology of the Ord Basin. Memoirs of the Association of Australasian Palaeontologists 30, 1-58. Canning Main References = (1) Laurie, J.R. & Shergold, J.H., 1996. Early Ordovician trilobite taxonomy and biostratigraphy of the Emanuel Formation, Canning Basin, Western Australia. Part 1. Palaeontographica Abteilung A 240, 65-103, pls 1-15. (2) Shergold, J.H., Laurie, J.R. & Nicoll, R.S., 1995. Biostratigraphy of the Prices Creek Group (Early Ordovician, late Lancafélian-Bendigoian) on the Lennox Shelf, Canning Basin, Western Australia. 93-96 in Cooper, J.D., Drosser, M.L. & Finney, S.C. (eds) Ordovician Odyssey: Short Papers for the Seventh International Symposium on the Ordovician System, Las Vegas, Nevada, USA. SEPM, Pacific Section.

Central Australia trilobite Zones / subzones / markers

Canning Basin trilobite zones

Main References = (1) Laurie, J.R. & Shergold, J.H., 1996. Early Ordovician trilobite taxonomy and biostratigraphy of the Emanuel Formation, Canning Basin, Western Australia. Part 1. Palaeontographica Abteilung A 240, 65-103, pls 1-15. (2) Shergold, J.H., Laurie, J.R. & Nicoll, R.S., 1995. Biostratigraphy of the Prices Creek Group (Early Ordovician, late Lancafélian-Bendigoian) on the Lennox Shelf, Canning Basin, Western Australia. 93-96 in Cooper, J.D., Drosser, M.L. & Finney, S.C. (eds) Ordovician Odyssey: Short Papers for the Seventh International Symposium on the Ordovician System, Las Vegas, Nevada, USA. SEPM, Pacific Section.

Australian Graptolite Zonation

Australian Graptolite zones (Ordovician) / subzones / zonal markers

Main References = (1) VandenBerg, A.H.M. & Cooper, R.A., 1992. The Ordovician graptolite sequence of Australasia. Alcheringa 16, 33-85. (2) Cooper, R.A. & Lindholm, K., 1980. A precise worldwide correlation of early Ordovician graptolite sequences. Geological Magazine 127(6), 497-525. (3) Cooper, R.A. & Sadler, P.M., 2005. The Ordovician Period. 165-187 in Gradstein, F.M., Ogg, J.G. & Smith, A.G. (eds) A Geological Time Scale 2004. Cambridge University Press, Cambridge.

Other Australian graptolite datums

Australian Conodont Zonation (Permian; Ordovician)

Australian Conodont zones / datums

Main References = (1) Nicoll, R.S. & Metcalfe, I., 1998. Early and Middle Permian conodonts from the Canning and southern Carnarvon Basins, Western Australia: their implications for regional biogeography and paleoecology. Proceedings of the Royal Society of Victoria 110, 419-461. (2) Nicoll, R.S. & Shergold, J.H., 1991. Revised Late Cambrian (pre-Payntonian-Ostorian) conodont stratigraphy at Black Mountain, Georgina Basin, western Queensland, Australia. BMR Journal of Australian Geology and Geophysics 12, 93-118.

Other Macrofossil zonations

Australian Brachiopod Zonations

Tasmanian brachiopod zonation (Ordov.)

Selected Main References = (1) Laurie, J.R., 1991. Articulate brachiopods from the Ordovician and Lower Silurian of Tasmania. Memoirs of the Association of Australasian Palaeontologists 11, 1-106. (2) Briggs, D.J.C., 1998. Permian Productina and Stropholoidina from the Sydney-Bowen Basin and New England Orogen: systematics and biostratigraphic significance. Memoirs of the Association of Australasian Palaeontologists 19, 259pp. (3) Archbold, N.W., 1998. Marine biostratigraphy and correlation of West Australian Permian basins. 141-151 in Purcell, P.G. & R.R. The Sedimentary Basins of Western Australia 2. Proceedings of the Petroleum Exploration Society of Australia Symposium, Perth. (4) Roberts, J., 1971. Devonian and Carboniferous brachiopods from the Bonaparte Gulf Basin, northwestern Australia. Bureau of Mineral Resources, Geology and Geophysics Bulletin 122, vol. 1, 319 pp., vol. 2, 59 pp. (5) SEE INDIVIDUAL COLUMNS FOR REST OF REFERENCES.

Tasmanian brachiopod zones / datums

Eastern Australia brachiopod zonation (Ordov.-Perm.)

Main References = (1) Briggs, D.J.C., 1998. Permian Productina and Stropholoidina from the Sydney-Bowen Basin and New England Orogen: systematics and biostratigraphic significance. Memoirs of the Association of Australasian Palaeontologists 19, 259pp. (2) Roberts, J., Cloué-Long, J.C. & Jones, P.J., 1993. SHRIMP zircon dating and Australian Carboniferous time. Compte Rendu 12ème Congrès International de la Stratigraphie et Géologie du Carbonifère et Permian, Buenos Aires, 2, 319-338. (3) Jones, P.J., 1995. Carboniferous, 110-126 in Young, G.C. & Laurie, J.R. (eds) An Australian Phanerozoic Timescale. Oxford University Press, Melbourne. (4) McKellar, R.G., 1970. The Devonian productid brachiopod faunas of Queensland. Geological Survey of Queensland Publication 342, Palaeontological Paper 18, 1-40. (5) Percival, I.G., 1992. Ordovician brachiopod biostratigraphy of central western New South Wales. 215-229 in Webby, B.D. & Laurie, J.R. (eds), 1992. Global Perspectives on Ordovician Geology. Proceedings of the Sixth International Symposium on the Ordovician System, Sydney, 15-19 July, 1991. A.A. Balkema, Rotterdam.

Western Australia brachiopod zonation [Devon.-Perm.]

Main References = (1) Archbold, N.W., 1998. Marine biostratigraphy and correlation of West Australian Permian basins. 141-151 in Purcell, P.G. & R.R. The Sedimentary Basins of Western Australia 2. Proceedings of the Petroleum Exploration Society of Australia Symposium, Perth. (2) Roberts, J., 1971. Devonian and Carboniferous brachiopods from the Bonaparte Gulf Basin, northwestern Australia. Bureau of Mineral Resources, Geology and Geophysics Bulletin 122, vol. 1, 319 pp., vol. 2, 59 pp. (3) Veivers, J.J., 1959. Devonian brachiopods from the Fitzroy Basin, Western Australia. Bureau of Mineral Resources, Geology and Geophysics Bulletin 45, 220 pp. (4) Talbot, J.A., Mawson, R., Alchison, J.C., Becker, R.T., Bell, K.N., Bradshaw, M.A., Burrow, C.J., Cook, A.G., Dargan, G.M., Douglas, J.G., Edgcombe, G.D., Feist, M., Jones, P.J., Long, J.A., Phillips-Ross, J.R., Pickett, J.W., Playford, G., Rickards, R.B., Webby, B.D., Winchester-Seeto, T., Wright, A.J., Young, G.C., Zhen, Y.-Y., 2000. Devonian paleogeography of Australia and adjoining regions. Memoirs of the Association of Australasian Palaeontologists 23, 167-257.

Western Australia brachiopod zones / subzones

Eastern Australia Coral-Stromatoporoid Assemblages

Early Fish Assemblages (E. Australia; Devon.)

Main References = (1) Young, G.C. 1996. Devonian, 96-109 in Young, G.C. & Laurie, J.R. (eds) An Australian Phanerozoic Timescale. Oxford University Press, Melbourne. (2) Webby, B.D. 1996. Corals, Stromatoporoids and sponges, 83-84 in Young, G.C. & Laurie, J.R. (eds) An Australian Phanerozoic Timescale. Oxford University Press, Melbourne.

Phoebodont Shark assemblages / Turinid Thelodont assemblages

Australia Palynology zonations

Australian Dinoflagellate Cyst Zonation

Late Santonian through Cenozoic based on Southern Margin successions; Mid-Santonian and older based on NW Shelf. Main References = (1) Partridge, A.D., 2006. Australian Mesozoic and Cenozoic Palynology Zonations (Charts 1-4). In: Montelli, E. (coord.), Australian Mesozoic Palynology Zonations - updated to the 2004 Geologic Time Scale. Geoscience Australia Record 2006/23. ISBN 1 921 236 05 1. (2) Helby, R.J., Morgan, R. & Partridge, A.D., 1987. A palynological zonation of the Australian Mesozoic. Memoirs of the Association of Australasian Palaeontologists 4, 1-94. (3) "MH1" and Helby et al 04 from Helby, R., R. Morgan and A.D. Partridge, 2004. Updated Jurassic - Early Cretaceous Dinocyst Zonation NWS Australia. Geoscience Australia Publication ISBN 1 92871 01 2.

Major Dinocyst Zonations and markers

Australian Dinocyst Cenozoic-Mesozoic Zonation (Partridge, 2006)

Australian dinocyst zones (Partridge '06) / subzones

NW Shelf Dinocyst Mesozoic Zonation (MGP, 2014)

NW Shelf dinocyst zones (MGP '14) / subzones / sub-subzones

NOTE: Turon-Maastricht Obway Basin on MGP14 chart

NW Shelf dinocyst Carnian-Norian EVENTS (MGP '14)

MGP14 Zonal Dinocyst Markers

MGP14 Zonal through sub-Subzonal Dinocyst Markers

Australian Mesozoic Dinocyst Zonation (Helby et al. 1987)

Australian dinocyst zones (HMP) / subzones / datums

Australian Mesozoic Dinocyst Zonation (AAP, 2001; Helby et al., 2004)

Australian dinocyst zones (AAP '01) / subzones

Australian Mesozoic Dinocyst Zonation (Morgan et al., 2002)

Australian dinocyst zones (MH1 '02) / subzones

Australian dinocyst major datums

Regional Dinocyst zonations

Gippsland Dinocyst Zonation (Partridge 2006)

Main References = (1) Partridge, A.D., 2006. Australian Mesozoic and Cenozoic Palynology Zonations (Charts 1-4). In: Montelli, E. (coord.), Australian Mesozoic Palynology Zonations - updated to the 2004 Geologic Time Scale. Geoscience Australia Record 2006/23. ISBN 1 921 236 05 1. (2) Partridge, A.D., 1999. Late Cretaceous to Tertiary geological evolution of the Gippsland Basin, Victoria. Unpublished PhD Thesis. La Trobe University, Bundoora, 439 pp.

Gippsland dinocyst zones / subzones / datums

Otway Basin Dinocyst Zonation (Partridge 2006)

Main Reference = Partridge, A.D., 2006. Australian Mesozoic and Cenozoic Palynology Zonations (Charts 1-4). In: Montelli, E. (coord.), Australian Mesozoic Palynology Zonations - updated to the 2004 Geologic Time Scale. Geoscience Australia Record 2006/23. ISBN 1 921 236 05 1.

Otway Basin dinocyst zones / subzones

NWS Dinocyst Zonation (McMinn 1988)

Main References = (1) McMinn, A., 1988. Late Cretaceous dinoflagellate palynostratigraphy of northwestern Australia. Unpublished PhD thesis, Macquarie University, Sydney, 342 pp. [Summary = McMinn, A., 1988. Outline of a Late Cretaceous dinoflagellate zonation of northwestern Australia. Alcheringa, 12:137-156.] (2) Partridge, A.D., 2006. Australian Mesozoic and Cenozoic Palynology Zonations (Charts 1-4). In: Montelli, E. (coord.), Australian Mesozoic Palynology Zonations - updated to the 2004 Geologic Time Scale. Geoscience Australia Record 2006/23. ISBN 1 921 236 05 1.

NWS dinocyst zones (McMinn 1998) / subzones / datums

Perth Basin Dinocyst Zonation (Marshall 1984)

Main References = (1) Marshall, N.G., 1984. Late Cretaceous dinoflagellate palynostratigraphy of the Perth Basin, Western Australia. Unpublished PhD thesis, University of Western Australia, Perth, 297 pp. (2) Partridge, A.D., 2006. Australian Mesozoic and Cenozoic Palynology Zonations (Charts 1-4). In: Montelli, E. (coord.), Australian Mesozoic Palynology Zonations - updated to the 2004 Geologic Time Scale. Geoscience Australia Record 2006/23. ISBN 1 921 236 05 1.

Perth Basin dinocyst zones (Marshall 1984) / subzones / datums

Perth Basin Dinocyst Zonation (Backhouse 1988)

Main References = (1) Backhouse, J., 1987. Microplankton zonation of the Lower Cretaceous Wambo Group, Perth Basin, Western Australia. Memoirs of the Association of Australasian Palaeontologists 4, 205-226. (2) Backhouse, J., 1988. Late Jurassic and Early Cretaceous palynology of the Perth Basin, Western Australia. Geological Survey of Western Australia Bulletin 135, 233 pp.

Perth Basin dinocyst zones (Backhouse 1998) / datums

Australian Spore-Pollen Zonations

Selected Main References (see individual columns for their sets) = (1) Price, P.L., 1997. Permian to Jurassic palynostratigraphic nomenclature of the Bowen and Surat basins. 137-178 in Green, P. (ed.), The Surat and Bowen Basins, southeast Queensland. Queensland Department of Mines and Energy, Brisbane. (2) Partridge, A.D., 2006. Australian Mesozoic and Cenozoic Palynology Zonations (Charts 1-4). In: Montelli, E. (coord.), Australian Mesozoic Palynology Zonations - updated to the 2004 Geologic Time Scale. Geoscience Australia Record 2006/23. ISBN 1 921 236 05 1. (3) Backhouse, J., 1988. Late Jurassic and Early Cretaceous palynology of the Perth Basin, Western Australia. Geological Survey of Western Australia Bulletin 135, 233 pp.

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			NOTE: Datapack has "hot-windows" with details on calibrations and data sources for each entry, lithology unit and well URL links, tectonic and facies maps, etc.
		Australian generalized Spore-Pollen zones (Partridge)	Main References = (1) Partridge, A.D., 2006. Australian Mesozoic and Cenozoic Palynology Zonations (Charts 1-4). In: Monteil, E. (coord.), Australian Mesozoic Palynology Zonations - updated to the 2004 Geologic Time Scale. Geoscience Australia Record 2006/23. ISBN 1 921 236 05 1. (2) Helby, R.J., Morgan, R. & Partridge, A.D., 1987. A palynological zonation of the Australian Mesozoic. Memoirs of the Association of Australasian Palaeontologists 4, 1-84. (3) Price, P.L., Filatoff, J., Williams, A.J., Pickering, S.A. & Wood, G.R., 1985. Late Palaeozoic and Mesozoic palynostratigraphic units. CSR Oil and Gas Division, Palynology Facility Report 274/25. (4) and others -- see australian TSC reference list
		Aus spore-pollen zones (HMP'87; Partridge'06)	
		Aus spore-pollen subzones or Gippsland local	
		Aus spore-pollen zone markers (HMP'87; Partridge'06)	
		Eastern Australian Spore-Pollen Zonation (Price 1997)	LATE PERMIAN age-model revised by in-press ID-TIMS U-Pb dates from several tuff layers in regional coal sequences. Main References = (1) Price, P.L., Filatoff, J., Williams, A.J., Pickering, S.A. & Wood, G.R., 1985. Late Palaeozoic and Mesozoic palynostratigraphic units. CSR Oil and Gas Division, Palynology Facility Report 274/25. (2) Price, P.L., 1997. Permian to Jurassic palynostratigraphic nomenclature of the Bowen and Surat basins. 137-178 in Green, P. (ed.), The Surat and Bowen Basins, southeast Queensland. Queensland Department of Mines and Energy, Brisbane. (3) Price, P.L., 1983. A Permian palynostratigraphy for Queensland. In: Permian Geology of Queensland. Proceedings of the Symposium on the Permian Geology of Queensland, Brisbane 1982. Geological Society of Australia, Queensland Division, Brisbane. 155-212. (4) Young, G.C., 1996. Devonian. 96-109 in Young, G.C. & Laurie, J.R. (eds), An Australian Permian Time Scale. Oxford University Press, Melbourne. (5) Price, P.L., 1980. Biostratigraphy of the Devonian section from selected wells in A to P 23PO, Adelaide Basin, Queensland. Mines Administration Pty Ltd Palynology Facility, Report 208/1 (unpublished)
		E. Aust. Spore-Pollen Zones / Subzones / sub-subzones / sub-sub-subzones	
		Name of Price'97 zone and subzone (Perm-Tri)	
		East Australia spore-pollen datums (Price'97)	
		Western Australian Spore-Pollen Zonations (Jur-Tri-Perm)	
		Morgan-Goodall Paleo Spore-Pollen (2014)	Morgan-Goodall Paleo Spore-Pollen (2014)
		W. Aust. Spore-Pollen Zones / Subzones	
		Norian additional subzones (SHELL)	Reference = Matt Dixon, Jeff Goodall and M. van den Berg (2012) Higher-resolution palynostratigraphy of the Nonan-Carnian (Triassic) Upper Mungaroo Formation, offshore Carnarvon Basin. APPEA 2012 extended abstract.
		MGP Spore-Pollen datums	
		Tr palynology units (N Carnarvon; Backhouse et al., '02)	References = (1) Backhouse, J., Balme, B.E., Helby, R., Marshall, N.G. & Morgan, R., 2002. Palynological zonation and correlation of the latest Triassic, Northern Carnarvon Basin. 179-201 in Keep, M. & Moss, S.J. (eds), The Sedimentary Basins of Western Australia 3: Proceedings of the Petroleum Exploration Society of Australia Symposium, Perth. (2) Backhouse, J. & Balme, B.E., 2002. Late Triassic Palynology of the Northern Carnarvon Basin. Minerals and Energy Research Institute of Western Australia, Report No. 226. 166pp.
		Tr palynology units (N Carnarvon) / datums	
		Chevron Regional Strat Framework (RSF) Palynology (Lt. Tri.)	Reference (although details on zone definitions and calibrations are not given, therefore are estimated here) = Playenbergh, T.H.D., Howe, H., Marsh, T. et al. (10 more authors), 2013. An integrated regional Triassic stratigraphic framework for the Carnarvon Basin, NWS, Australia. West Australian Basins Symposium 2013 (Perth, WA, 18-21 Aug 2013), 24pp.
		Chevron Regional Strat Framework (RSF) Paly Zone / Subzone	
		Chevron Regional Strat Paly markers	
		Perth Basin Spore-Pollen Zonation (Backhouse 1988)	Main Reference = Backhouse, J., 1988. Late Jurassic and Early Cretaceous palynology of the Perth Basin, Western Australia. Geological Survey of Western Australia Bulletin 135, 233 pp.
		Perth Basin spore-pollen zones / datums	
		West Australia spore-pollen zone markers	Selected Main References (see individual columns for their sets) = (1) Price, P.L., 1997. Permian to Jurassic palynostratigraphic nomenclature of the Bowen and Surat basins. 137-178 in Green, P. (ed.), The Surat and Bowen Basins, southeast Queensland. Queensland Department of Mines and Energy, Brisbane. (2) Partridge, A.D., 2006. Australian Mesozoic and Cenozoic Palynology Zonations (Charts 1-4). In: Monteil, E. (coord.), Australian Mesozoic Palynology Zonations - updated to the 2004 Geologic Time Scale. Geoscience Australia Record 2006/23. ISBN 1 921 236 05 1. (3) Backhouse, J., 1988. Late Jurassic and Early Cretaceous palynology of the Perth Basin, Western Australia. Geological Survey of Western Australia Bulletin 135, 233 pp.
		Major Calcareous Microfossil zonations	
		Australian Foraminiferal Zonations	
		KPF Zonation (Rexilius 2009/2013 unpub.) = Planktonic Forams	Main References = (1) Rexilius, J.P., 2009/2013. Northwest Shelf - Timor Sea Cretaceous and Jurassic Nanofossil and Foraminiferal Zonations. ISC Biostrat compilation (unpublished); and definitions were only provided for late Campanian-Maastrichtian => approximate global ones approximating their "GTS2004" ages were estimated for converting to GTS2012 placements, with an effort to maintain their estimated stage assignments. (2) Howe, R.W., Campbell, R.J. & Rexilius, J.P., 2003. Integrated uppermost Campanian-Maastrichtian calcareous nanofossil and foraminiferal biostratigraphic zonation of the northwestern margin of Australia. Journal of Micropalaeontology 22, 29-62. (3) Campbell, R.J., Howe, R.W. & Rexilius, J.P., 2004. Middle Campanian-lowermost Maastrichtian nanofossil and foraminiferal biostratigraphy of the northwestern Australian margin. Cretaceous Research 25(6), 827-864.
		KPF Zones / Subzones / Datums	NOTE: Many of the pre-Campanian zones/datums are estimated, because Rexilius et al have not yet provided/published the definitions of their zonal markers and calibrations
		KBF Zonation (Rexilius 2009/2013 unpub.) = Benthic Forams	Main References = (1) Rexilius, J.P., 2009. Northwest Shelf - Timor Sea Cretaceous Nanofossil and Foraminiferal Zonations. ISC Biostrat compilation (unpublished). (2) Howe, R.W., Campbell, R.J. & Rexilius, J.P., 2003. Integrated uppermost Campanian-Maastrichtian calcareous nanofossil and foraminiferal biostratigraphic zonation of the northwestern margin of Australia. Journal of Micropalaeontology 22, 29-62. (3) Campbell, R.J., Howe, R.W. & Rexilius, J.P., 2004. Middle Campanian-lowermost Maastrichtian nanofossil and foraminiferal biostratigraphy of the northwestern Australian margin. Cretaceous Research 25(6), 827-864.
		KBF Zones / Subzones / Datums	NOTE: Many of the pre-Campanian zones/datums are estimated, because Rexilius et al have not yet provided/published the definitions of their zonal markers and calibrations
		Foram Zonation (Gippsland; Taylor 1961)	Main References = (1) Taylor, D.J., 1966. Appendix 2. Esso Gippsland Shelf No.1. The mid-Tertiary foraminiferal sequence. Bureau of Mineral Resources, Geology and Geophysics, Canberra, Australia. Petroleum Search Subsidy Acts Publication 76, 31-46. (2) Partridge, A.D., 2006. Australian Mesozoic and Cenozoic Palynology Zonations (Charts 1-4). In: Monteil, E. (coord.), Australian Mesozoic Palynology Zonations - updated to the 2004 Geologic Time Scale. Geoscience Australia Record 2006/23. ISBN 1 921 236 05 1.
		Taylor Foram Zones	
		Foram Zonation (B-NWS; Wright & Aporthe 1976)	Main Reference = Wright, C.A. & Aporthe, M., 1976. Planktonic foraminifera from the Maastrichtian of the Northwest Shelf, Western Australia. Journal of Foraminiferal Research 6, 228-240.
		Wright & Aporthe Cretaceous Foram Zones	
		Foram Zonation (A-NWS; Wright 1984, 1994)	Main Reference = Aporthe, 1984. 1994 Wright cited on AGSO Biozonation Chart 1997
		Aporthe/Wright Cenozoic Foram Zones	
		Mamet Foram Zonation (Tethys; Mamet 1974)	Main References = (1) Mamet, B., 1974. Une zonation par Foraminifères des Carbonifères Inférieurs de la Téthys Occidentale. Compte Rendu 7ème Congrès International de Stratigraphie et de Géologie du Carbonifère, Katowice, 1971, 3, 391-416. (2) Gorter, J.D., Nicoll, R.S., Metcalfe, I., Wilkin, R.J. & Ferdinando, D., 2009. The Permian-Triassic boundary in West Australia: evidence from the Bonaparte and northern Perth basins - exploration implications. APPEA Journal 49.
		Australian Nanofossil zonations	Main References = (1) Rexilius, J.P., 2009/2013. Northwest Shelf - Timor Sea Cretaceous and Jurassic Nanofossil and Foraminiferal Zonations. ISC Biostrat compilation (unpublished). (2) Howe, R.W., Campbell, R.J. & Rexilius, J.P., 2003. Integrated uppermost Campanian-Maastrichtian calcareous nanofossil and foraminiferal biostratigraphic zonation of the northwestern margin of Australia. Journal of Micropalaeontology 22, 29-62. (3) Campbell, R.J., Howe, R.W. & Rexilius, J.P., 2004. Middle Campanian-lowermost Maastrichtian nanofossil and foraminiferal biostratigraphy of the northwestern Australian margin. Cretaceous Research 25(6), 827-864. (4) Bown, P.R., Cooper, M.K.E. & Lord, A.R., 1988. A calcareous nanofossil biozonation scheme for the early to mid Mesozoic. Newsletters on Stratigraphy 20(2), 91-114.
		KCN Zonation (Rexilius 2009)	Main References = (1) Rexilius, J.P., 2009/2013. Northwest Shelf - Timor Sea Cretaceous and Jurassic Nanofossil and Foraminiferal Zonations. ISC Biostrat compilation (unpublished); and definitions were only provided for late Campanian-Maastrichtian => approximate global ones approximating their "GTS2004" ages were estimated for converting to GTS2012 placements, with an effort to maintain their estimated stage assignments. (2) Howe, R.W., Campbell, R.J. & Rexilius, J.P., 2003. Integrated uppermost Campanian-Maastrichtian calcareous nanofossil and foraminiferal biostratigraphic zonation of the northwestern margin of Australia. Journal of Micropalaeontology 22, 29-62. (3) Campbell, R.J., Howe, R.W. & Rexilius, J.P., 2004. Middle Campanian-lowermost Maastrichtian nanofossil and foraminiferal biostratigraphy of the northwestern Australian margin. Cretaceous Research 25(6), 827-864.
		KCN Zones / Subzones / Datums	NOTE: Many of the pre-Campanian zones/datums are estimated, because Rexilius et al have not yet provided/published the definitions of their zonal markers and calibrations
		KCCM Zonation (Rexilius, 2009, unpub) = merged Forams and Nanofossils	Main References = (1) Rexilius, J.P., 2009. Northwest Shelf - Timor Sea Cretaceous Nanofossil and Foraminiferal Zonations. ISC Biostrat compilation (unpublished). (2) Howe, R.W., Campbell, R.J. & Rexilius, J.P., 2003. Integrated uppermost Campanian-Maastrichtian calcareous nanofossil and foraminiferal biostratigraphic zonation of the northwestern margin of Australia. Journal of Micropalaeontology 22, 29-62.
		KCCM summary / Zones / Subzones / Datums	NOTE: Many of the pre-Campanian zones/datums are estimated, because Rexilius et al have not yet provided/published the definitions of their zonal markers and calibrations
		Other Microfossil zonations	
		Australian Radiolarian Zonation	Main References = (1) Alchison, J.C., 1993a. Late Devonian (Frasnian) radiolaria of the Canning Basin, Western Australia. Palaeontographica Abteilung A 228, 105-128. (2) Alchison, J.C., 1993b. Alchisonella from the New England Orogen, eastern NSW, Australia. Marine Micropalaeontology 21, 353-367.
		Australian Acritarch and Prasinophyte Zones	Main References = (1) Quinivall, M. & Playford, G., 2008. Palynostratigraphy of Ordovician strata, Canning Basin, Western Australia. Part One: acritarchs and prasinophytes. Palaeontographica Abteilung B 275, 1-88. (2) Zang, W.-L., 2001. 51-58, 74-85 in Gravestock, D.J., Alexander, E.M., Demidenko, Yu.E., Esakova, N.V., Holmer, L.E., Jago, J.B., Lin Tian-ru, Melnikova, L.M., Parkhaev, P.Yu., Rozanov, A.Yu., Ushatinskaya, G.T., Zang Wen-long, Zhigalov, E.A. & Zhuravlev, A.Yu., The Cambrian biostratigraphy of the Stansbury Basin, South Australia. Transactions of the Palaeontological Institute 262. Grey, K., 2005. Ediacaran palynology of Australia. Memoirs of the Association of Australasian Palaeontologists 31, 439pp.
		Acritarch and prasinophyte zones / datums	
Geoscience Australia - Lithostratigraphy of Phanerozoic Basins Datapack			
		Greater NW Shelf	<a --="" 2006.="" 3565,="" <a="" add="" al.,="" at="" australia="" australia;="" basins="" by="" datapack"="" de="" development="" domain="" et="" fog="" geoscience="" href="http://www.fogtech.com.au" ltd:="" oz="" pdfs="" phanerozoic="" proterozoic="" pty="" public="" report="" seebase="" shell="" study="" study,="" tech="" to="" vries="">www.fogtech.com.au
		NW basin tectonic maps / intervals	
		Bonaparte Basin	<a 375="" 621="" 937="" 947"="" data-label="Page-Footer" href="http://www.ga.gov.au/ocseanlog_RegRefGeol.jsp?%Bonaparte%Basin% for general report.] Selected major references (see sub-basins for full listings) = (1) Geoscience Australia's review of well-reports, biostrat and lithostrat during 2008-09. (2) Mory, A.J. & Beere, G.M., 1988. Geology of the onshore Bonaparte and Ord Basins. Geological Survey of Western Australia Report 134. (3) Mory, A.J., 1991. Geology of the Offshore Bonaparte Basin, northern Western Australia. Geological Survey of Western Australia Report 29. (4) Pattillo, J. & Nicholls, P.J., 1990. A tectonostratigraphic framework for the Vulcan Graben, Timor Sea region. APEA Journal 30, 27-51. (5) Gorter, J.D., 1998. Revised Upper Permian stratigraphy of the Bonaparte Basin. 219-228 in Purcell, P.R. & R.R. (eds), Sedimentary Basins of Western Australia. Proceedings of the Petroleum Exploration Society of Australia Symposium, Perth. (6) Gorter, J.D., Jones, P.J., Nicoll, R.S. & Golding, C.J., 2005. A reappraisal of the Carboniferous stratigraphy and the petroleum potential of the southeastern Bonaparte Basin (Petrel Sub-basin), northwestern Western Australia. APPEA Journal 45, 275-296.</td> </tr> <tr> <td></td> <td></td> <td>Bonaparte Basin Sequences</td> <td></td> </tr> <tr> <td></td> <td></td> <td>Pattillo & Nicholl (1990) Sequences</td> <td>Main reference = Pattillo, J. & Nicholls, P.J., 1990. A tectonostratigraphic framework for the Vulcan Graben, Timor Sea region. APEA Journal 30, 27-51.</td> </tr> <tr> <td></td> <td></td> <td>P&N Mega-sequence / P&N Depositional Sequences / P&N Events</td> <td></td> </tr> <tr> <td></td> <td></td> <td>Whittam et al. (1996) Sequences</td> <td>Main reference = Whittam, D.B., Novick, M.S. & McIntyre, C.L., 1996. Mesozoic and Cenozoic tectonostratigraphy of western ZOCA and adjacent areas. APPEA Journal 36, 209-231.</td> </tr> <tr> <td></td> <td></td> <td>Gorter et al. (2005) Sequences</td> <td>Main reference = Gorter, J.D., Jones, P.J., Nicoll, R.S. & Golding, C.J., 2005. A reappraisal of the Carboniferous stratigraphy and the petroleum potential of the southeastern Bonaparte Basin (Petrel Sub-basin), northwestern Western Australia. APPEA Journal 45, 275-296.</td> </tr> <tr> <td></td> <td></td> <td>VTT Seismic Horizon (AGSO 1998)</td> <td></td> </tr> <tr> <td></td> <td></td> <td>Mega-sequence (AGSO 1998)</td> <td></td> </tr> <tr> <td></td> <td></td> <td>Palaeontological Picks (AGSO 1998)</td> <td></td> </tr> <tr> <td></td> <td></td> <td>Seismic Horizon (AGSO 2001)</td> <td></td> </tr> </table> </div> <div data-bbox=">Prepared jointly by Geoscience Australia and TSC Group 7/17/16

Australia datapack of biostratigraphy and regional stratigraphy -- current contents (July, 2016)

			NOTE: Datapack has "hot-windows" with details on calibrations and data sources for each entry, lithology unit and well URL links, tectonic and facies maps, etc.
		Basin Phases (Vulcan Sub-basin)	
		Basin Phases (Petrel Sub-basin)	
		Bonaparte Basin Lithostratigraphy	
		Ord Basin	click <a href="http://www.ga.gov.au/oceans/rog_Browse.jsp?BrowseBasin=<*>" for general report.] Selected major references (see sub-basins for full listings) = (1) Geoscience Australia's review of well-reports, biostrat and lithostat during 2008-09. (2) Mory, A.J. & Beere, G.M., 1988. Geology of the offshore Bonaparte and Ord Basins. Geological Survey of Western Australia Report 134. (3) Mory, A.J., 1991. Geology of the Offshore Bonaparte Basin, Northwestern Australia. Geological Survey of Western Australia Report 29. (4) Pattillo, J. & Nicholls, P.J., 1990. A tectonostratigraphic framework for the Vulcan Graben, Timor Sea region. APEA Journal 30, 27-51. (5) Gorter, J.D., 1998. Revised Upper Permian stratigraphy of the Bonaparte Basin, 213-228 in Purcell, P.G. & R.R. (eds), Sedimentary Basins of Western Australia. Proceedings of the Petroleum Exploration Society of Australia Symposium, Perth. (6) Gorter, J.D., Jones, P.J., Nicoll, R.S. & Golding, C.J., 2005. A reappraisal of the Carboniferous stratigraphy and the petroleum potential of the southeastern Bonaparte Basin (Petrel Sub-basin), northwestern Australia. APPEA Journal 45, 275-296. Main references: (1) Mory, A.J. & Beere, G.M., 1988. Geology of the offshore Bonaparte and Ord Basins. Geological Survey of Western Australia Report 134. (2) Hanley, L.M. & Wingate, M.T.D., 2000. SHRIMP zircon age for an Early Cambrian dolerite dyke: an intrusive phase of the Antrim Plateau Volcanics of northern Australia. Australian Journal of Earth Sciences 47, 1029-1040. Basin references: (1) Mory, A.J. & Beere, G.M., 1988. Geology of the offshore Bonaparte and Ord Basins. Geological Survey of Western Australia Report 134. (2) Hanley, L.M. & Wingate, M.T.D., 2000. SHRIMP zircon age for an Early Cambrian dolerite dyke: an intrusive phase of the Antrim Plateau Volcanics of northern Australia. Australian Journal of Earth Sciences 47, 1029-1040.
		Onshore Carlton Shelf	
		Onshore Petrel Sub-basin	
		Onshore Burt Range Shelf	Main reference: Mory, A.J. & Beere, G.M., 1988. Geology of the offshore Bonaparte and Ord Basins. Geological Survey of Western Australia Report 134.
		Ashmore Platform	Reference for Paleozoic-Mesozoic: Gorter, J.D., Nicoll, R.S., Metcalfe, I., Willink, R.J. & Ferdinando, D., 2009. The Permian-Triassic boundary in West Australia: evidence from the Bonaparte and northern Perth basins - exploration implications. APPEA Journal 49.
		Ashmore Platform Lithostratigraphy / Wells / Hydrocarbons	Regional reference wells that have records of hydrocarbon occurrences
		Vulcan Sub-basin	Major references = (1) Pattillo, J. & Nicholls, P.J., 1990. A tectonostratigraphic framework for the Vulcan Graben, Timor Sea region. APEA Journal 30, 27-51. (2) Osborne, M., 1990. The exploration and appraisal history of the Skua Field, ACP/2 - Timor Sea. APEA Journal 30, 197-211. (3) Mory, A.J., 1988. Regional geology of the offshore Bonaparte Basin, 287-309 in Purcell, P.G. & R.R. (eds), The North West Shelf, Australia. Proceedings of Petroleum Exploration Society of Australia Symposium, Perth. (4) Craig, R.W., 1988. Geology. In B.O.C of Australia Ltd. Ashmore Reef No. 1 well completion report. Petroleum Search Subsidy Acts Report. (5) Gorter, J.D., Nicoll, R.S., Metcalfe, I., Willink, R.J. & Ferdinando, D., 2009. The Permian-Triassic boundary in West Australia: evidence from the Bonaparte and northern Perth basins - exploration implications. APPEA Journal 49.
		Vulcan Sub-basin Lithostratigraphy / Wells / Hydrocarbons	Regional reference wells that have records of hydrocarbon occurrences
		Londonderry High	Major references = (1) Pattillo, J. & Nicholls, P.J., 1990. A tectonostratigraphic framework for the Vulcan Graben, Timor Sea region. APEA Journal 30, 27-51. (2) Mory, A.J., 1991. Geology of the Offshore Bonaparte Basin, Northwestern Australia. Geological Survey of Western Australia Report 29. (3) Mory, A.J., 1988. Regional geology of the offshore Bonaparte Basin, 287-309 in Purcell, P.G. & R.R. (eds), The North West Shelf, Australia. Proceedings of Petroleum Exploration Society of Australia Symposium, Perth. (4) Price, P.L., 1997. Permian to Jurassic palynostratigraphic nomenclature of the Bowen and Surat basins, 137-178 in Green, P. (ed), The Surat and Bowen Basins, southeast Queensland. Queensland Department of Mines and Energy, Brisbane. (5) Price, P.L., Flatfoot, J., Williams, A.J., Pickering, S.A. & Wood, G.R., 1985. Late Paleozoic and Mesozoic palynostratigraphic units. CSIRO Oil and Gas Division, Palynology Facility Report 27/4/25.
		Londonderry High Lithostratigraphy / Wells / Hydrocarbons	Regional reference wells that have records of hydrocarbon occurrences
		Laminaria/Flamingo High	Major references = (1) Pattillo, J. & Nicholls, P.J., 1990. A tectonostratigraphic framework for the Vulcan Graben, Timor Sea region. APEA Journal 30, 27-51. (2) Osborne, M., 1990. The exploration and appraisal history of the Skua Field, ACP/2 - Timor Sea. APEA Journal 30, 197-211. (3) Mory, A.J., 1988. Regional geology of the offshore Bonaparte Basin, 287-309 in Purcell, P.G. & R.R. (eds), The North West Shelf, Australia. Proceedings of Petroleum Exploration Society of Australia Symposium, Perth. (4) Whittam, D.B., Norvick, M.S. & McIntyre, C.L., 1996. Mesozoic and Cenozoic tectonostratigraphy of western ZOCCA and adjacent areas. APPEA Journal 36, 209-231.
		Laminaria/Flamingo High Lithostratigraphy / Wells / Hydrocarbons	Regional reference wells that have records of hydrocarbon occurrences
		Flamingo/Sahul Synclines	Major references = (1) Pattillo, J. & Nicholls, P.J., 1990. A tectonostratigraphic framework for the Vulcan Graben, Timor Sea region. APEA Journal 30, 27-51. (2) Mory, A.J., 1991. Geology of the Offshore Bonaparte Basin, Northwestern Australia. Geological Survey of Western Australia Report 29. (3) Mory, A.J., 1988. Regional geology of the offshore Bonaparte Basin, 287-309 in Purcell, P.G. & R.R. (eds), The North West Shelf, Australia. Proceedings of Petroleum Exploration Society of Australia Symposium, Perth.
		Flamingo/Sahul Syncline Lithostratigraphy / Wells / Hydrocarbons	Regional reference wells that have records of hydrocarbon occurrences
		Troubadour Terrace/Sahul Platform	Major references = (1) Pattillo, J. & Nicholls, P.J., 1990. A tectonostratigraphic framework for the Vulcan Graben, Timor Sea region. APEA Journal 30, 27-51. (2) Mory, A.J., 1988. Regional geology of the offshore Bonaparte Basin, 287-309 in Purcell, P.G. & R.R. (eds), The North West Shelf, Australia. Proceedings of Petroleum Exploration Society of Australia Symposium, Perth.
		Troubadour Terrace/Sahul Platform Lithostratigraphy / Wells / Hydrocarbons	Regional reference wells that have records of hydrocarbon occurrences
		Malita Graben	Major references = (1) Pattillo, J. & Nicholls, P.J., 1990. A tectonostratigraphic framework for the Vulcan Graben, Timor Sea region. APEA Journal 30, 27-51. (2) Mory, A.J., 1988. Regional geology of the offshore Bonaparte Basin, 287-309 in Purcell, P.G. & R.R. (eds), The North West Shelf, Australia. Proceedings of Petroleum Exploration Society of Australia Symposium, Perth. (3) Whittam, D.B., Norvick, M.S. & McIntyre, C.L., 1996. Mesozoic and Cenozoic tectonostratigraphy of western ZOCCA and adjacent areas. APPEA Journal 36, 209-231. (4) BHP Petroleum, 1992. Beluga 1 Well Completion Report.
		Malita Graben Lithostratigraphy / Wells / Hydrocarbons	Regional reference wells that have records of hydrocarbon occurrences
		Calder Graben	Major references = (1) Mory, A.J., 1988. Regional geology of the offshore Bonaparte Basin, 287-309 in Purcell, P.G. & R.R. (eds), The North West Shelf, Australia. Proceedings of Petroleum Exploration Society of Australia Symposium, Perth. (2) Whittam, D.B., Norvick, M.S. & McIntyre, C.L., 1996. Mesozoic and Cenozoic tectonostratigraphy of western ZOCCA and adjacent areas. APPEA Journal 36, 209-231.
		Calder Graben Lithostratigraphy / Wells / Hydrocarbons	Regional reference wells that have records of hydrocarbon occurrences
		Calder Graben Hydrocarbon Show	
		Calder Graben Lithostratigraphy	
		Money Shoals	click <a href="http://www.ga.gov.au/oceans/rog_Money.jsp?MoneyShoal=<*>" for general report.] A main reference = Whittam, D.B., Norvick, M.S. & McIntyre, C.L., 1996. Mesozoic and Cenozoic tectonostratigraphy of western ZOCCA and adjacent areas. APPEA Journal 36, 209-231.
		Money Shoals Lithostratigraphy	
		Petrel Sub-basin	Main references: (1) Mory, A.J., 1991. Geology of the Offshore Bonaparte Basin, Northwestern Australia. Geological Survey of Western Australia Report 29. (2) Gorter, J.D., 1998. Revised Upper Permian stratigraphy of the Bonaparte Basin, 213-228 in Purcell, P.G. & R.R. (eds), Sedimentary Basins of Western Australia. Proceedings of the Petroleum Exploration Society of Australia Symposium, Perth. (3) Gorter, J.D., Poynter, S.E., Bayford, S.W. & Caudullo, A., 2008. Glacially influenced petroleum plays in the Kulshill Group (Late Carboniferous-Early Permian) of the southeastern Bonaparte Basin, Western Australia. APPEA Journal 48, 69-114. (4) Gorter, J.D., Jones, P.J., Nicoll, R.S. & Golding, C.J., 2005. A reappraisal of the Carboniferous stratigraphy and the petroleum potential of the southeastern Bonaparte Basin (Petrel Sub-basin), northwestern Australia. APPEA Journal 45, 275-296.
		Petrel Sub-basin Lithostratigraphy / Wells / Hydrocarbons	Regional reference wells that have records of hydrocarbon occurrences
		Malita and Calder Graben hydrocarbons	Regional reference wells that have records of hydrocarbon occurrences
		Browse Basin	click <a href="http://www.ga.gov.au/oceans/rog_Browse.jsp?BrowseBasin=<*>" for general report.] Selected major references (see sub-basins for full listings) = (1) Geoscience Australia's review of well-reports, biostrat and lithostat during 2008-09. (2) Blew, J.E., Struckmeyer, H.J.M., Cathro, D.L., Totterdell, J.M. & Boreham, C.J., 1998. Tectonostratigraphic framework and petroleum systems of the Browse Basin North West Shelf, 369-395 in Purcell, P.G. & R.R. (eds), Sedimentary Basins of Western Australia 2: Proceedings of Petroleum Exploration Society of Australia Symposium, Perth. (3) Blew, J.E., Struckmeyer, H.J.M., Boreham, C.J., Cathro, D.L. & Sayers, J., 1997. Browse Basin High Resolution (BBHR) Study, North West Shelf, Australia. Australian Geological Survey Organisation Record 1997/38, 123p., 115 figs, 85 pls. (4) Mory, A.J. & Beere, G.M., 1988. Geology of the offshore Bonaparte and Ord Basins. Geological Survey of Western Australia Report 134. (5) Mory, A.J., 1991. Geology of the Offshore Bonaparte Basin, Northwestern Australia. Geological Survey of Western Australia Report 29. (6) Pattillo, J. & Nicholls, P.J., 1990. A tectonostratigraphic framework for the Vulcan Graben, Timor Sea region. APEA Journal 30, 27-51.
		Browse Basin Sequences (AGSO 1998, 2001; GA 2014)	Outcomes from a GA-hosted workshop in Autumn, 2014 on calibration and correlation of regional surfaces used by different groups and companies
		NW Shelf Regional equivalence (Marshall & Lang, 2013)	
		BBCCS Seismic ages recomputed from Marshall & Lang	
		BBCCS Sequence (GA 2014)	
		Paleontological Picks for Seismic Horizons (AGSO 1998; GA 2014 pre-workshop)	
		BBCCS Seismic Horizon (GA 2014)	
		BBHR Basin Phases	
		Seismic Horizon (AGSO 2001)	
		BBHR Sequences	
		Browse Basin Unconformities	
		Macula - Productus - Asterias - Discorbis - Gryphaea Turbo - Mt Ashmore	
		Rob Roy - Braveheart - Echuca Shoals - Prudhoe - Adele - Bassett - Abalone - Phnixus - Argus	
		Gwydion - Yampi - Caswell - North Scott Reef - Maginnis	
		Psepotus - Arquebus - Brecknock - Maginnis	
		Macula - Cornea - Rob Roy - Gwydion - Psepotus	
		Productus - Heywood - Buccaneer - Prudhoe - Echuca Shoals - Yampi - Arquebus	
		Crux - Crux - Asterias - Adele - Dinicthys North - Brewster - Caswell - Brecknock	
		Maginnis - Buffon - Argus - Turbo	
		Browse Basin References Wells converted Depth-to-Age	Major reference wells for regional correlation converted from Depth (meters) to Time (Ma)
		Abalone Deep 1, Argus 1, Barcoo 1 ST2, Brecknock 1, Buffon1 ST1, Caspar 1A, Caswell 2 ST2, Heywood 1, Gryphaea 1 ST1, Ichthy 1A, Lombardina 1, Londonderry 1, Mount Ashmore 1B ST2, Psepotus 1, Yampi 1, Asterias 1 ST1, Crux 1, Discorbis 1, Echuca Shoals 1, Gwydion 1, Macula 1, Maginnis 1A ST2, North Scott Reef 1, Rob Roy 1, Warrabook 1, Productus 1, Adele 1	Columns for each includes (a) placement of Depth in meter on age scale, (b) Seismic horizon in that well (with values given also in original depth (m); and (c) Lithology. Depth to age conversions done by Gabi Ogg in Dec 2015 under guidance of GA staff using their assignment of seismic horizons, formations, and/or biostratigraphic constraints within each well.
		Browse Basin Lithostratigraphy	click <a href="http://www.ga.gov.au/oceans/rog_Browse.jsp?BrowseBasin=<*>" for general report.] Selected major references (see sub-basins for full listings) = (1) Geoscience Australia's review of well-reports, biostrat and lithostat during 2008-09. (2) Blew, J.E., Struckmeyer, H.J.M., Cathro, D.L., Totterdell, J.M. & Boreham, C.J., 1998. Tectonostratigraphic framework and petroleum systems of the Browse Basin North West Shelf, 369-395 in Purcell, P.G. & R.R. (eds), Sedimentary Basins of Western Australia 2: Proceedings of Petroleum Exploration Society of Australia Symposium, Perth. (3) Blew, J.E., Struckmeyer, H.J.M., Boreham, C.J., Cathro, D.L. & Sayers, J., 1997. Browse Basin High Resolution (BBHR) Study, North West Shelf, Australia. Australian Geological Survey Organisation Record 1997/38, 123p., 115 figs, 85 pls. (4) Mory, A.J. & Beere, G.M., 1988. Geology of the offshore Bonaparte and Ord Basins. Geological Survey of Western Australia Report 134. (5) Mory, A.J., 1991. Geology of the Offshore Bonaparte Basin, Northwestern Australia. Geological Survey of Western Australia Report 29. (6) Pattillo, J. & Nicholls, P.J., 1990. A tectonostratigraphic framework for the Vulcan Graben, Timor Sea region. APEA Journal 30, 27-51.

Australia datapack of biostratigraphy and regional stratigraphy -- current contents (July, 2016)

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	General Browse	Major references: (1) Blewett, J.E., Struckmeyer, H.M., Cathro, D.L., Tolterdell, J.M. & Boreham, C.J., 1998. Tectonostratigraphic framework and petroleum systems of the Browse Basin North West Shelf. 369-395 in Purcell, P.G. & R.R. (eds). The sedimentary basins of Western Australia 2: Proceedings of Petroleum Exploration Society Australia symposium. Perth. (2) Blewett, J.E., Struckmeyer, H.M., Boreham, C.J., Cathro, D.L. & Sayers, J., 1997. Browse Basin High Resolution (BBHR) Study, North West Shelf, Australia. Australian Geological Survey Organisation Record 1997/38, 123p., 115 Figs, 85 pls. (3) Pattillo, J. & Nicholls, P.J., 1990. A tectonostratigraphic framework for the Vulcan Graben, Timor Sea region. APEA Journal 30, 27-51. (4) McLennan, J.M., Rasedi, J.S., Holmes, R.I. & Smith, G.C., 1990. The geology and petroleum potential of the western Arfura Sea. APEA Journal 30, 91-106. (5) Kaoru, M., Kurata, Y., Christiansen, D.J. & Scott, J., 2004. The Crux gas-condensate discovery, northern Browse Basin, Australia. In Elias, G.K., Ballie, P.W. & Munson, T.J. (eds), Timor Sea Petroleum Geoscience. Proceedings of the Timor Sea Symposium, Darwin, 19-20 June 2003. (6) Benson, J.M., Brasley, S.J., Luxton, C.W., Walsh, P.F. & Tjebk, N.P., 2004. Late Cretaceous ponded turbidite systems: a new stratigraphic play fairway in the Browse Basin. APEA Journal 36, 209-231. (7) Mory, A.J. & Beere, G.M., 1988. Geology of the onshore Bonaparte and Ord Basins. Geological Survey of Western Australia Report 134. (8) Mory, A.J., 1991. Geology of the Offshore Bonaparte Basin, Northwest Australia. Geological Survey of Western Australia Report 29. (5) Pattillo, J. & Nicholls, P.J., 1990. A tectonostratigraphic framework for the Vulcan Graben, Timor Sea region. APEA Journal 30, 27-51. (6) Whittam, D.B., Norvick, M.S. & McIntyre, C.L., 1996. Mesozoic and Cainozoic tectonostratigraphy of western ZOCA and adjacent areas. APEA Journal 36, 209-231.
	<i>General Browse Lithostratigraphy</i>	
	Ashmore Platform (Browse Basin)	Major references: (1) Blewett, J.E., Struckmeyer, H.M., Cathro, D.L., Tolterdell, J.M. & Boreham, C.J., 1998. Tectonostratigraphic framework and petroleum systems of the Browse Basin North West Shelf. 369-395 in Purcell, P.G. & R.R. (eds). The sedimentary basins of Western Australia 2: Proceedings of Petroleum Exploration Society Australia symposium. Perth. (2) Blewett, J.E., Struckmeyer, H.M., Boreham, C.J., Cathro, D.L. & Sayers, J., 1997. Browse Basin High Resolution (BBHR) Study, North West Shelf, Australia. Australian Geological Survey Organisation Record 1997/38, 123p., 115 Figs, 85 pls. (3) Mory, A.J. & Beere, G.M., 1988. Geology of the onshore Bonaparte and Ord Basins. Geological Survey of Western Australia Report 134. (4) Mory, A.J., 1991. Geology of the Offshore Bonaparte Basin, Northwest Australia. Geological Survey of Western Australia Report 29. (5) Pattillo, J. & Nicholls, P.J., 1990. A tectonostratigraphic framework for the Vulcan Graben, Timor Sea region. APEA Journal 30, 27-51. (6) Whittam, D.B., Norvick, M.S. & McIntyre, C.L., 1996. Mesozoic and Cainozoic tectonostratigraphy of western ZOCA and adjacent areas. APEA Journal 36, 209-231. (7) Osborne, M., 1990. The exploration and appraisal history of the Skua Field, AC/P2 - Timor Sea. APEA Journal 30, 197-211. (7) Craig, R.W., 1968. Geology. In B.O.C. of Australia Ltd. Ashmore Reef No. 1 well completion report. Petroleum Search Subsidy Acts Report.
	<i>Ashmore Platform Lithostratigraphy / Wells / Hydrocarbons (Browse)</i>	Regional reference wells that have records of hydrocarbon occurrences
	Brecknock-Scott Reef Trend	Major references: (1) Blewett, J.E., Struckmeyer, H.M., Cathro, D.L., Tolterdell, J.M. & Boreham, C.J., 1998. Tectonostratigraphic framework and petroleum systems of the Browse Basin North West Shelf. 369-395 in Purcell, P.G. & R.R. (eds). The sedimentary basins of Western Australia 2: Proceedings of Petroleum Exploration Society Australia symposium. Perth. (2) Blewett, J.E., Struckmeyer, H.M., Boreham, C.J., Cathro, D.L. & Sayers, J., 1997. Browse Basin High Resolution (BBHR) Study, North West Shelf, Australia. Australian Geological Survey Organisation Record 1997/38, 123p., 115 Figs, 85 pls. (3) Mory, A.J. & Beere, G.M., 1988. Geology of the onshore Bonaparte and Ord Basins. Geological Survey of Western Australia Report 134. (4) Mory, A.J., 1991. Geology of the Offshore Bonaparte Basin, Northwest Australia. Geological Survey of Western Australia Report 29. (5) Pattillo, J. & Nicholls, P.J., 1990. A tectonostratigraphic framework for the Vulcan Graben, Timor Sea region. APEA Journal 30, 27-51. (6) Whittam, D.B., Norvick, M.S. & McIntyre, C.L., 1996. Mesozoic and Cainozoic tectonostratigraphy of western ZOCA and adjacent areas. APEA Journal 36, 209-231.
	<i>Brecknock-Scott Reef Trend Lithostratigraphy / Wells / Hydrocarbons</i>	Regional reference wells that have records of hydrocarbon occurrences
	Caswell - Baroco Sub-basins	Major references: (1) Blewett, J.E., Struckmeyer, H.M., Cathro, D.L., Tolterdell, J.M. & Boreham, C.J., 1998. Tectonostratigraphic framework and petroleum systems of the Browse Basin North West Shelf. 369-395 in Purcell, P.G. & R.R. (eds). The sedimentary basins of Western Australia 2: Proceedings of Petroleum Exploration Society Australia symposium. Perth. (2) Blewett, J.E., Struckmeyer, H.M., Boreham, C.J., Cathro, D.L. & Sayers, J., 1997. Browse Basin High Resolution (BBHR) Study, North West Shelf, Australia. Australian Geological Survey Organisation Record 1997/38, 123p., 115 Figs, 85 pls. (3) Mory, A.J. & Beere, G.M., 1988. Geology of the onshore Bonaparte and Ord Basins. Geological Survey of Western Australia Report 134. (4) Mory, A.J., 1991. Geology of the Offshore Bonaparte Basin, Northwest Australia. Geological Survey of Western Australia Report 29. (5) Pattillo, J. & Nicholls, P.J., 1990. A tectonostratigraphic framework for the Vulcan Graben, Timor Sea region. APEA Journal 30, 27-51. (6) Whittam, D.B., Norvick, M.S. & McIntyre, C.L., 1996. Mesozoic and Cainozoic tectonostratigraphy of western ZOCA and adjacent areas. APEA Journal 36, 209-231.
	<i>Northern Browse Basin Hydrocarbons</i>	
	<i>Caswell-Baroco Sub-basins Lithostratigraphy / Wells / Hydrocarbons</i>	Regional reference wells that have records of hydrocarbon occurrences
	Prudhoe Terrace	Major references: (1) Blewett, J.E., Struckmeyer, H.M., Cathro, D.L., Tolterdell, J.M. & Boreham, C.J., 1998. Tectonostratigraphic framework and petroleum systems of the Browse Basin North West Shelf. 369-395 in Purcell, P.G. & R.R. (eds). The sedimentary basins of Western Australia 2: Proceedings of Petroleum Exploration Society Australia symposium. Perth. (2) Blewett, J.E., Struckmeyer, H.M., Boreham, C.J., Cathro, D.L. & Sayers, J., 1997. Browse Basin High Resolution (BBHR) Study, North West Shelf, Australia. Australian Geological Survey Organisation Record 1997/38, 123p., 115 Figs, 85 pls. (3) Mory, A.J. & Beere, G.M., 1988. Geology of the onshore Bonaparte and Ord Basins. Geological Survey of Western Australia Report 134. (4) Mory, A.J., 1991. Geology of the Offshore Bonaparte Basin, Northwest Australia. Geological Survey of Western Australia Report 29. (5) Pattillo, J. & Nicholls, P.J., 1990. A tectonostratigraphic framework for the Vulcan Graben, Timor Sea region. APEA Journal 30, 27-51. (6) Whittam, D.B., Norvick, M.S. & McIntyre, C.L., 1996. Mesozoic and Cainozoic tectonostratigraphy of western ZOCA and adjacent areas. APEA Journal 36, 209-231.
	<i>Prudhoe Terrace Lithostratigraphy / Wells / Hydrocarbons</i>	Regional reference wells that have records of hydrocarbon occurrences
	Yampi Shelf	Major references: (1) Blewett, J.E., Struckmeyer, H.M., Cathro, D.L., Tolterdell, J.M. & Boreham, C.J., 1998. Tectonostratigraphic framework and petroleum systems of the Browse Basin North West Shelf. 369-395 in Purcell, P.G. & R.R. (eds). The sedimentary basins of Western Australia 2: Proceedings of Petroleum Exploration Society Australia symposium. Perth. (2) Blewett, J.E., Struckmeyer, H.M., Boreham, C.J., Cathro, D.L. & Sayers, J., 1997. Browse Basin High Resolution (BBHR) Study, North West Shelf, Australia. Australian Geological Survey Organisation Record 1997/38, 123p., 115 Figs, 85 pls. (3) Mory, A.J. & Beere, G.M., 1988. Geology of the onshore Bonaparte and Ord Basins. Geological Survey of Western Australia Report 134. (4) Mory, A.J., 1991. Geology of the Offshore Bonaparte Basin, Northwest Australia. Geological Survey of Western Australia Report 29. (5) Pattillo, J. & Nicholls, P.J., 1990. A tectonostratigraphic framework for the Vulcan Graben, Timor Sea region. APEA Journal 30, 27-51. (6) Whittam, D.B., Norvick, M.S. & McIntyre, C.L., 1996. Mesozoic and Cainozoic tectonostratigraphy of western ZOCA and adjacent areas. APEA Journal 36, 209-231.
	<i>Yampi Shelf Lithostratigraphy / Wells / Hydrocarbons</i>	Regional reference wells that have records of hydrocarbon occurrences
	Leveque Shelf	Major references: (1) Blewett, J.E., Struckmeyer, H.M., Cathro, D.L., Tolterdell, J.M. & Boreham, C.J., 1998. Tectonostratigraphic framework and petroleum systems of the Browse Basin North West Shelf. 369-395 in Purcell, P.G. & R.R. (eds). The sedimentary basins of Western Australia 2: Proceedings of Petroleum Exploration Society Australia symposium. Perth. (2) Blewett, J.E., Struckmeyer, H.M., Boreham, C.J., Cathro, D.L. & Sayers, J., 1997. Browse Basin High Resolution (BBHR) Study, North West Shelf, Australia. Australian Geological Survey Organisation Record 1997/38, 123p., 115 Figs, 85 pls. (3) Mory, A.J. & Beere, G.M., 1988. Geology of the onshore Bonaparte and Ord Basins. Geological Survey of Western Australia Report 134. (4) Mory, A.J., 1991. Geology of the Offshore Bonaparte Basin, Northwest Australia. Geological Survey of Western Australia Report 29. (5) Pattillo, J. & Nicholls, P.J., 1990. A tectonostratigraphic framework for the Vulcan Graben, Timor Sea region. APEA Journal 30, 27-51. (6) Whittam, D.B., Norvick, M.S. & McIntyre, C.L., 1996. Mesozoic and Cainozoic tectonostratigraphy of western ZOCA and adjacent areas. APEA Journal 36, 209-231.
	<i>Leveque Shelf Lithostratigraphy / Wells / Hydrocarbons</i>	Regional reference wells that have records of hydrocarbon occurrences
	Yampi and Leveque Shelf	
	<i>Yampi and Leveque Shelf Wells</i>	
	<i>Yampi and Leveque Shelf Hydrocarbon Show</i>	
	Browse Basin TRANSECTS	Continuous suite of "reference sections" connected by schematic transects: Outer Argo Abyssal Plain section, Argo Abyssal Plain section, Inner Argo Abyssal Plain section, Browse Outboard Area / Baroco Sub-Basin transect, Baroco inner section, Buccaneer Nose - Buffon Ridge transect, Outer Caswell section, Caswell Sub-Basin transect, Inner Caswell section, Heywood Outboard Area transect, Outer Yampi Shelf section, Browse Inboard Shelf / Yampi Shelf transect, Landwardmost Browse section
	Canning Basin	Click on a well "http://www.gas.com.au/australia/Onshore/Canning%20Basin/for%20general%20information" for general information. Selected major references (see sub-basins for full list used in each) = (1) Geoscience Australia's review of well-reports, biostrat and lithostrat during 2008-09. (2) Towler, R.R. & Gibson, D.L., 1983. Geology of the onshore Canning Basin, Western Australia. Bureau of Mineral Resources, Geology and Geophysics Bulletin 215, 51pp. (3) Sullis of papers (1994) on Canning Basin region by Lehmann, Romine, Kennard, and others in Purcell, P.G. & R.R., The Sedimentary Basins of Western Australia, Proceedings of the Petroleum Exploration Society of Australia Symposium, Perth. (4) Haines, P.W., 2008. Geology and petroleum prospectivity of State Release Areas L08-1, L08-2, and L08-3, eastern Canning Basin, Western Australia. Geological Survey of Western Australia Report 2008/7, 1-9. (4) Nicol, R.S., Romine, K.R. & Watson, S.T., 1994. Early Silurian (Llandovery) conodonts from the Barbitine Terrace, Canning Basin, Western Australia. AGSO Journal of Australian Geology and Geophysics 15, 247-255. (5) Koop, W.J., 1966. Recent contributions to Palaeozoic geology in the south Canning Basin, Western Australia. APEA Journal 6, 105-109. (6) Haines, P.W. & Wingate, M.T.D., 2007. Contrasting depositional histories, detrital zircon provenance and hydrocarbon systems: Did the Larapintine Seaway link the Canning and Amadeus basins during the Ordovician? 36-51 in Munson, T.J. & Ambrose, G.J. (eds), Proceedings, Central Australian Basins Symposium, Alice Springs 16-18 August 2005. Northern Territory Geological Survey Special Publication 2. (7) Playford, P.E., Cope, R.N., Cockbain, A.E., Low, G.H. & Lowy, D.C., 1975. Phanerozoic. Memoirs of the Geological Survey of Western Australia 2, 223-433. (8) Nicol, R.S. & Jones, P.J., 1982. Conodont and ostracod faunas from WMC Acacia No. 1, Canning Basin, W.A., Bureau of Mineral Resources Geology and Geophysics Professional Opinion 1982/011.
	<i>Canning Basin tectonics</i>	[In Mappack version -- "Add Datapack"] by FROG Tech Pty Ltd. PHANEROZOIC -- OZ SEEBASE Study 2005, Public Domain Report to Shell Development Australia; PROTEROZOIC -- De Vries et al., 2006. OZ SEEBASE Proterozoic Basins Study, Report to Geoscience Australia -- PDFs at www.frogtech.com.au
	<i>Canning basin tectonic maps / Intervals</i>	
	Willara Sub-basin	Major references: (1) Towler, R.R. & Gibson, D.L., 1983. Geology of the onshore Canning Basin, Western Australia. Bureau of Mineral Resources, Geology and Geophysics Bulletin 215, 51pp. (2) Purcell, P.G. & R.R. (1994). The Sedimentary Basins of Western Australia. Proceedings of the Petroleum Exploration Society of Australia Symposium. Perth -- (a) Lehmann, P.R., 1984. The stratigraphy, paleogeography and petroleum potential of the Lower to lower Upper Devonian sequence in the Canning Basin, 253-275. (b) Romine, K.K., Southgate, P.N., Kennard, J.M. & Jackson, M.J., 1994. The Ordovician to Silurian phase of the Canning Basin, W.A. Structure and Sequence Evolution. 677-696. (c) Kennard, J.M., Romine, K.K., Shaw, R.D. & Southgate, P.N., 1994. Depositional Sequences and Associated Petroleum Systems of the Canning Basin, W.A. 657-676. (3) Haines, P.W., 2008. Geology and petroleum prospectivity of State Release Areas L08-1, L08-2, and L08-3, eastern Canning Basin, Western Australia. Geological Survey of Western Australia Report 2008/7, 1-9. (4) Nicol, R.S., Romine, K.R. & Watson, S.T., 1994. Early Silurian (Llandovery) conodonts from the Barbitine Terrace, Canning Basin, Western Australia. AGSO Journal of Australian Geology and Geophysics 15, 247-255. (5) Koop, W.J., 1966. Recent contributions to Palaeozoic geology in the south Canning Basin, Western Australia. APEA Journal 6, 105-109. (6) Haines, P.W. & Wingate, M.T.D., 2007. Contrasting depositional histories, detrital zircon provenance and hydrocarbon systems: Did the Larapintine Seaway link the Canning and Amadeus basins during the Ordovician? 36-51 in Munson, T.J. & Ambrose, G.J. (eds), Proceedings, Central Australian Basins Symposium, Alice Springs 16-18 August 2005. Northern Territory Geological Survey Special Publication 2. (7) Playford, P.E., Cope, R.N., Cockbain, A.E., Low, G.H. & Lowy, D.C., 1975. Phanerozoic. Memoirs of the Geological Survey of Western Australia 2, 223-433. (8) Nicol, R.S. & Jones, P.J., 1982. Conodont and ostracod faunas from WMC Acacia No. 1, Canning Basin, W.A., Bureau of Mineral Resources Geology and Geophysics Professional Opinion 1982/011. (8) Redfern, J. & Williams, B.P.J., 2002. Canning Basin Grant Group glaciogenic sediments: part of the Gondwanan Permo-Carboniferous hydrocarbon province. 851-871 in Keep, M. & Moss, S.J. (eds), The Sedimentary Basin of Western Australia 3. Proceedings of Petroleum Exploration Society of Australia Symposium, Perth. (9) Eyles, N., Eyles, C.H., Apak, S.N. & Carlsen, G.M., 2001. Permian-Carboniferous Tectono-Stratigraphic Evolution and Petroleum Potential of the Northern Canning Basin, Western Australia. AAPG Bulletin 85, 969-1006. (10) Apak, S.N. & Backhouse, J., 1998. Re-interpretation of the Permo-Carboniferous succession, Canning Basin, Western Australia. 683-694 in Purcell, P.G. & R.R. (eds), The sedimentary basins of Western Australia 2: Proceedings of Petroleum Exploration Society Australia Symposium, Perth.
	<i>Willara Sub-basin Lithostratigraphy / Wells / Hydrocarbons</i>	Regional stratigraphy with reference wells that have records of hydrocarbon occurrences
	Broome Platform	Major references: (1) Towler, R.R. & Gibson, D.L., 1983. Geology of the onshore Canning Basin, Western Australia. Bureau of Mineral Resources, Geology and Geophysics Bulletin 215, 51pp. (2) Purcell, P.G. & R.R. (1994). The Sedimentary Basins of Western Australia. Proceedings of the Petroleum Exploration Society of Australia Symposium. Perth -- (a) Lehmann, P.R., 1984. The stratigraphy, paleogeography and petroleum potential of the Lower to lower Upper Devonian sequence in the Canning Basin, 253-275. (b) Romine, K.K., Southgate, P.N., Kennard, J.M. & Jackson, M.J., 1994. The Ordovician to Silurian phase of the Canning Basin, W.A. Structure and Sequence Evolution. 677-696. (c) Kennard, J.M., Romine, K.K., Shaw, R.D. & Southgate, P.N., 1994. Depositional Sequences and Associated Petroleum Systems of the Canning Basin, W.A. 657-676. (3) Haines, P.W., 2008. Geology and petroleum prospectivity of State Release Areas L08-1, L08-2, and L08-3, eastern Canning Basin, Western Australia. Geological Survey of Western Australia Report 2008/7, 1-9. (4) Nicol, R.S., Romine, K.R. & Watson, S.T., 1994. Early Silurian (Llandovery) conodonts from the Barbitine Terrace, Canning Basin, Western Australia. AGSO Journal of Australian Geology and Geophysics 15, 247-255. (5) Koop, W.J., 1966. Recent contributions to Palaeozoic geology in the south Canning Basin, Western Australia. APEA Journal 6, 105-109. (6) Haines, P.W. & Wingate, M.T.D., 2007. Contrasting depositional histories, detrital zircon provenance and hydrocarbon systems: Did the Larapintine Seaway link the Canning and Amadeus basins during the Ordovician? 36-51 in Munson, T.J. & Ambrose, G.J. (eds), Proceedings, Central Australian Basins Symposium, Alice Springs 16-18 August 2005. Northern Territory Geological Survey Special Publication 2. (7) Playford, P.E., Cope, R.N., Cockbain, A.E., Low, G.H. & Lowy, D.C., 1975. Phanerozoic. Memoirs of the Geological Survey of Western Australia 2, 223-433. (8) Nicol, R.S. & Jones, P.J., 1982. Conodont and ostracod faunas from WMC Acacia No. 1, Canning Basin, W.A., Bureau of Mineral Resources Geology and Geophysics Professional Opinion 1982/011. (8) Redfern, J. & Williams, B.P.J., 2002. Canning Basin Grant Group glaciogenic sediments: part of the Gondwanan Permo-Carboniferous hydrocarbon province. 851-871 in Keep, M. & Moss, S.J. (eds), The Sedimentary Basin of Western Australia 3. Proceedings of Petroleum Exploration Society of Australia Symposium, Perth. (9) Eyles, N., Eyles, C.H., Apak, S.N. & Carlsen, G.M., 2001. Permian-Carboniferous Tectono-Stratigraphic Evolution and Petroleum Potential of the Northern Canning Basin, Western Australia. AAPG Bulletin 85, 969-1006. (10) Apak, S.N. & Backhouse, J., 1998. Re-interpretation of the Permo-Carboniferous succession, Canning Basin, Western Australia. 683-694 in Purcell, P.G. & R.R. (eds), The sedimentary basins of Western Australia 2: Proceedings of Petroleum Exploration Society Australia Symposium, Perth.
	<i>Broome Sub-basin Lithostratigraphy / Wells / Hydrocarbons</i>	Regional stratigraphy with reference wells that have records of hydrocarbon occurrences
	Fitzroy Trough	Major references: (1) Towler, R.R. & Gibson, D.L., 1983. Geology of the onshore Canning Basin, Western Australia. Bureau of Mineral Resources, Geology and Geophysics Bulletin 215, 51pp. (2) Purcell, P.G. & R.R. (1994). The Sedimentary Basins of Western Australia. Proceedings of the Petroleum Exploration Society of Australia Symposium. Perth -- (a) Lehmann, P.R., 1984. The stratigraphy, paleogeography and petroleum potential of the Lower to lower Upper Devonian sequence in the Canning Basin, 253-275. (b) Romine, K.K., Southgate, P.N., Kennard, J.M. & Jackson, M.J., 1994. The Ordovician to Silurian phase of the Canning Basin, W.A. Structure and Sequence Evolution. 677-696. (c) Kennard, J.M., Romine, K.K., Shaw, R.D. & Southgate, P.N., 1994. Depositional Sequences and Associated Petroleum Systems of the Canning Basin, W.A. 657-676. (3) Haines, P.W., 2008. Geology and petroleum prospectivity of State Release Areas L08-1, L08-2, and L08-3, eastern Canning Basin, Western Australia. Geological Survey of Western Australia Report 2008/7, 1-9. (4) Nicol, R.S., Romine, K.R. & Watson, S.T., 1994. Early Silurian (Llandovery) conodonts from the Barbitine Terrace, Canning Basin, Western Australia. AGSO Journal of Australian Geology and Geophysics 15, 247-255. (5) Koop, W.J., 1966. Recent contributions to Palaeozoic geology in the south Canning Basin, Western Australia. APEA Journal 6, 105-109. (6) Haines, P.W. & Wingate, M.T.D., 2007. Contrasting depositional histories, detrital zircon provenance and hydrocarbon systems: Did the Larapintine Seaway link the Canning and Amadeus basins during the Ordovician? 36-51 in Munson, T.J. & Ambrose, G.J. (eds), Proceedings, Central Australian Basins Symposium, Alice Springs 16-18 August 2005. Northern Territory Geological Survey Special Publication 2. (7) Playford, P.E., Cope, R.N., Cockbain, A.E., Low, G.H. & Lowy, D.C., 1975. Phanerozoic. Memoirs of the Geological Survey of Western Australia 2, 223-433. (8) Nicol, R.S. & Jones, P.J., 1982. Conodont and ostracod faunas from WMC Acacia No. 1, Canning Basin, W.A., Bureau of Mineral Resources Geology and Geophysics Professional Opinion 1982/011. (8) Redfern, J. & Williams, B.P.J., 2002. Canning Basin Grant Group glaciogenic sediments: part of the Gondwanan Permo-Carboniferous hydrocarbon province. 851-871 in Keep, M. & Moss, S.J. (eds), The Sedimentary Basin of Western Australia 3. Proceedings of Petroleum Exploration Society of Australia Symposium, Perth. (9) Eyles, N., Eyles, C.H., Apak, S.N. & Carlsen, G.M., 2001. Permian-Carboniferous Tectono-Stratigraphic Evolution and Petroleum Potential of the Northern Canning Basin, Western Australia. AAPG Bulletin 85, 969-1006. (10) Apak, S.N. & Backhouse, J., 1998. Re-interpretation of the Permo-Carboniferous succession, Canning Basin, Western Australia. 683-694 in Purcell, P.G. & R.R. (eds), The sedimentary basins of Western Australia 2: Proceedings of Petroleum Exploration Society Australia Symposium, Perth.
	<i>Fitzroy Trough Wells</i>	Regional reference wells that have records of hydrocarbon occurrences
	<i>Fitzroy Trough Hydrocarbon Show</i>	
	<i>Fitzroy Trough Lithostratigraphy</i>	
	Lennard Shelf	Major reference: Towler, R.R. & Gibson, D.L., 1983. Geology of the onshore Canning Basin, Western Australia. Bureau of Mineral Resources, Geology and Geophysics Bulletin 215, 51pp.
	<i>Lennard Shelf Lithostratigraphy / Wells / Hydrocarbons</i>	Regional reference wells that have records of hydrocarbon occurrences

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					NOTE: Datapack has "hot-windows" with details on calibrations and data sources for each entry, lithology unit and well URL links, tectonic and facies maps, etc.
					Major references: (1) Towler, R.R. & Gibson, D.L., 1983 Geology of the onshore Canning Basin, Western Australia. Bureau of Mineral Resources, Geology and Geophysics Bulletin 215, 51pp. (2) Purcell, P.G. & R.R. (1984). The Sedimentary Basins of Western Australia. Proceedings of the Petroleum Exploration Society of Australia Symposium, Perth -- (a) Lehmann, P.R., 1984. The stratigraphy, palaeogeography and petroleum potential of the Lower to lower Upper Devonian sequence in the Canning Basin. 253-275; (b) Romine, K.K., Southgate, P.N., Kennard, J.M. & Jackson, M.J., 1994. The Ordovician to Silurian phase of the Canning Basin, WA. Structure and Sequence Evolution. 677-696; (c) Kennard, J.M., Jackson, M.J., Romine, K.K., Shaw, R.D. & Southgate, P.N., 1994. Depositional Sequences and Associated Petroleum Systems of the Canning Basin, WA. 657-676. (3) Haines, P.W., 2008. Geology and petroleum prospectivity of State Acreage Release Areas L05-1, L05-2, and L05-3, eastern Canning Basin, Western Australia. Geological Survey of Western Australia Record 2008/7, 1-9. (4) Nicoll, R.S., Romine, K.R. & Watson, S.T., 1994. Early Silurian (Llandovery) conodonts from the Barrow Terrace, Canning Basin, Western Australia. AGSO Journal of Australian Geology and Geophysics 15, 247-255; (5) Koop, W.J., 1966. Recent contributions to Palaeozoic geology in the south Canning Basin, Western Australia. APEA Journal 6, 105-109. (6) Haines, P.W. & Wingate, M.T.D., 2007. Contrasting depositional histories, detrital zircon provenance and hydrocarbon systems: Did the Larapintine Seaway link the Canning and Amadeus basins during the Ordovician? 36-51 in Munson, T.J. & Ambrose, G.J. (eds), Proceedings, Central Australian Basins Symposium, Alice Springs 16-18 August 2005. Northern Territory Geological Survey Special Publication 2. (7) Playford, P.E., Cope, R.N., Cockbain, A.E., Low, G.H. & Lowry, D.C., 1975. Phanerozoic. Memoirs of the Geological Survey of Western Australia 2, 223-433. (8) Nicoll, R.S. & Jones, P.J., 1982. Conodont and ostracod faunas from WMC Acacia No. 1, Canning Basin, WA., Bureau of Mineral Resources Geology and Geophysics Professional Opinion 1162/011. (9) Redfern, J. & Williams, B.P.J., 2002. Canning Basin Grant Group glauconitic sediments: part of the Gondwanan Permo-Carboniferous hydrocarbon province. 651-671 in Keep, M. & Moss, S.J. (eds), The Sedimentary Basin of Western Australia 3. Proceedings of Petroleum Exploration Society of Australia Symposium, Perth. (9) Apak, S.N. & Backhouse, J., 1998. Re-interpretation of the Permo-Carboniferous succession, Canning Basin, Western Australia. 683-694 in Purcell, P.G. and R.R. (eds), The sedimentary basins of Western Australia 2: Proceedings of Petroleum Exploration Society Australia Symposium, Perth. (10) Eyles, N., Eyles, C.H., Apak, S.N. & Carlsen, G.M., 2001. Permian-Carboniferous Tectono-Stratigraphic Evolution and Petroleum Potential of the Northern Canning Basin, Western Australia. AAPG Bulletin 85, 989-1006.
				Kidson Sub-basin	
				Kidson Sub-basin Shelf Lithostratigraphy / Wells / Hydrocarbons	
				Oobagooma Sub-basin	
				Oobagooma Sub-basin Lithostratigraphy	
				Roebuck Basin	
				Roebuck Basin Sequences	
				Roebuck Basin Phases	
				Roebuck Basin Seismic Horizons	
				Roebuck Basin Lithostratigraphy / Wells / Hydrocarbons	
				Northern Carnarvon Basin	Regional stratigraphy with reference wells that have records of hydrocarbon occurrences
				Carnarvon Overview	
				Northern Carnarvon Overview	
				Depositional Environments	
				Basin Phases	
				CTT Seismic Markers (AGSO, 1998)	
				Seismic Horizons (AGSO, 2001)	
				NE Carnarvon Basin Phases	
				NE Carnarvon Seismic Horizons	
				Exmouth Plateau	
				Exmouth Plateau Lithostratigraphy / Wells / Hydrocarbons	
				Exmouth Sub-basin	
				Exmouth Lithostratigraphy / Wells / Hydrocarbons	
				Barrow Sub-basin	
				Barrow Lithostratigraphy / Wells / Hydrocarbons	
				Beagle Sub-basin	
				Beagle Lithostratigraphy / Wells / Hydrocarbons	
				Dampier Sub-basin	
				Dampier Lithostratigraphy / Wells / Hydrocarbons	
				Rankin Platform	
				Rankin Lithostratigraphy / Wells / Hydrocarbons	
				NE Exmouth Plateau	
				NE Exmouth Plateau Lithostratigraphy	
				Peedamullah and Lambert shelves	
				Peedamullah Shelf Lithostratigraphy / Wells / Hydrocarbons	
				Southern Carnarvon Basin	Regional stratigraphy with reference wells that have records of hydrocarbon occurrences
				Southern Carnarvon Basin Overview	
				Southern Carnarvon Tectonic Events	
				Southern Carnarvon Basin Phases	
				Southern Carnarvon Seismic Horizons	
				Coolacalalaya Sub-basin (incl Byro and Merlinleigh Sub-basins)	
				Gascoyne Sub-basin	
				Gascoyne Platform	
				Perth basins	
				Perth Basin tectonics	[In Mappack version -- "Add Datapack"] by FROG Tech Pty Ltd. PHANEROZOIC= OZ SEEBASE Study 2005, Public Domain Report to Shell Development Australia; PROTEROZOIC= De Vries et al., 2006. OZ SEEBASE Proterozoic Basins Study, Report to Geoscience Australia -- PDFs at www.frogtech.com.au
				Perth tectonic maps / Intervals	
				Perth basin intervals	
				North Perth Basin Phases	
				North Perth Onshore Basin Phases	
				North Perth Offshore Basin Phases	
				North Perth Offshore Sequences	
				North Perth Offshore Sequence Summary	
				Zeewyck Sub-basin Sequences	
				Houtman Sub-basin Sequences	
				Wittecarra Terrace Sequences	
				Turtle Dove Ridge Sequences	
				Abrolhos Sub-basin Sequences	
				Beagle Ridge Sequences	
				Viaming Basin Post-Rift	
				Perth Basins Lithostratigraphy	Regional stratigraphy with reference wells that have records of hydrocarbon occurrences
				North Perth Offshore Summary Column	
				Northern Perth Offshore Lithostratigraphy / Wells / Hydrocarbons	
				Perth Onshore Summary Column	
				Perth Onshore Lithostratigraphy / Wells / Hydrocarbons	
				Collie Sub-basin	
				Collie Sub-basin Lithostratigraphy	
				Dandaragan Trough	
				Dandaragan Trough Lithostratigraphy / Wells / Hydrocarbons	
				Bunbury Trough	
				Bunbury Trough Lithostratigraphy	
				Irwin Terrace	
				Irwin Lithostratigraphy	

Australia datapack of biostratigraphy and regional stratigraphy -- current contents (July, 2016)

		NOTE: Datapack has "hot-windows" with details on calibrations and data sources for each entry, lithology unit and well URL links, tectonic and facies maps, etc.
	Beagle Ridge	
	Beagle Ridge Lithostratigraphy	
	Dongara Saddle	
	Dongara Saddle Lithostratigraphy / Wells / Hydrocarbons	
	Mandurah Terrace	
	Mandurah Terrace Lithostratigraphy / Wells / Hydrocarbons	
	Beermullah Trough	
	Beermullah Trough Lithostratigraphy / Wells / Hydrocarbons	
	Albrohos Sub-basin	
	Albrohos Sub-basin Lithostratigraphy	
	Houtman Sub-basin	
	Houtman Sub-basin Lithostratigraphy	
	Zeewyck Sub-basin	
	Zeewyck Sub-basin Lithostratigraphy	
	Wittecarra Terrace	
	Wittecarra Terrace Lithostratigraphy	
	Turtle Dove Ridge	
	Turtle Dove Ridge Lithostratigraphy	
	Greenough/ Bookara Shelf	
	Greenough/ Bookara Shelf Lithostratigraphy / Wells / Hydrocarbons	
	Vlaming Sub-Basin	
	Vlaming Sub-Basin Lithostratigraphy / Wells / Hydrocarbons	
Southern (Bight) basins		
Southern Australia tectonics		
	S. Australia tectonic maps / intervals	click Bight Basin for general report Selected major references (see sub-basins for full list used in each) = (1) Geoscience Australia's review of well-reports, biostrat and lithostrat during 2008-09. (2) Blevin, J.E. & Cathro, D.L., 2008. Australian Southern Margin Synthesis, Project GA707, Client Report to Geoscience Australia by FROG Tech Pty Ltd, 91pp. (3) Bradshaw, B.E. (compiler), 2005. Geology and petroleum potential of the Bremer Sub-basin, offshore south-western Australia. Geoscience Australia Record 2005/21. (4) Tottterdell, J.M., Blevin, J.E., Struckmeyer, H.I.M., Bradshaw, B.E., Colwell, J.B. & Kennard, J.M., 2000. A new sequence framework for the Great Australian Bight: starting with a clean slate. APPEA Journal 40, 95-117. (5) Hill, A.J., 1991. Revisions to the Cretaceous stratigraphic nomenclature of the Bight and Duntroon Basins, South Australia. Geological Survey of South Australia, Quarterly Notes, 120, 2-20. [In Mappack version - "Add Datapack"] By FROG Tech Pty Ltd.: PHANEROZOIC OZ SEEBASE Study 2005, Public Domain Report to Shell Development Australia; PROTEROZOIC = De Vries et al., 2006. OZ SEEBASE Proterozoic Basins Study, Report to Geoscience Australia -- PDFs at www.frogtech.com.au
	General Bight Basin	Main references: (1) Blevin, J.E. & Cathro, D.L., 2008. Australian Southern Margin Synthesis, Project GA707, Client Report to Geoscience Australia by FROG Tech Pty Ltd, 91pp. (2) Bradshaw, B.E. (compiler), 2005. Geology and petroleum potential of the Bremer Sub-basin, offshore south-western Australia. Geoscience Australia Record 2005/21. (3) Tottterdell, J.M., Blevin, J.E., Struckmeyer, H.I.M., Bradshaw, B.E., Colwell, J.B. & Kennard, J.M., 2000. A new sequence framework for the Great Australian Bight: starting with a clean slate. APPEA Journal 40, 95-117. (4) Hill, A.J., 1991. Revisions to the Cretaceous stratigraphic nomenclature of the Bight and Duntroon Basins, South Australia. Geological Survey of South Australia, Quarterly Notes, 120, 2-20.
	Bremer Sub-basin	Main references: (1) Blevin, J.E. & Cathro, D.L., 2008. Australian Southern Margin Synthesis, Project GA707, Client Report to Geoscience Australia by FROG Tech Pty Ltd, 91pp. (2) Tottterdell, J.M., Blevin, J.E., Struckmeyer, H.I.M., Bradshaw, B.E., Colwell, J.B. & Kennard, J.M., 2000. A new sequence framework for the Great Australian Bight: starting with a clean slate. APPEA Journal 40, 95-117. (3) Hill, A.J., 1991. Revisions to the Cretaceous stratigraphic nomenclature of the Bight and Duntroon Basins, South Australia. Geological Survey of South Australia, Quarterly Notes, 120, 2-20.
	Eyre Sub-basin	Main references: (1) Blevin, J.E. & Cathro, D.L., 2008. Australian Southern Margin Synthesis, Project GA707, Client Report to Geoscience Australia by FROG Tech Pty Ltd, 91pp. (2) Tottterdell, J.M., Blevin, J.E., Struckmeyer, H.I.M., Bradshaw, B.E., Colwell, J.B. & Kennard, J.M., 2000. A new sequence framework for the Great Australian Bight: starting with a clean slate. APPEA Journal 40, 95-117. (3) Hill, A.J., 1991. Revisions to the Cretaceous stratigraphic nomenclature of the Bight and Duntroon Basins, South Australia. Geological Survey of South Australia, Quarterly Notes, 120, 2-20.
	Ceduna Sub-basin	Main references: (1) Blevin, J.E. & Cathro, D.L., 2008. Australian Southern Margin Synthesis, Project GA707, Client Report to Geoscience Australia by FROG Tech Pty Ltd, 91pp. (2) Tottterdell, J.M., Blevin, J.E., Struckmeyer, H.I.M., Bradshaw, B.E., Colwell, J.B. & Kennard, J.M., 2000. A new sequence framework for the Great Australian Bight: starting with a clean slate. APPEA Journal 40, 95-117. (3) Hill, A.J., 1991. Revisions to the Cretaceous stratigraphic nomenclature of the Bight and Duntroon Basins, South Australia. Geological Survey of South Australia, Quarterly Notes, 120, 2-20.
	Duntroon Sub-basin	Main references: (1) Blevin, J.E. & Cathro, D.L., 2008. Australian Southern Margin Synthesis, Project GA707, Client Report to Geoscience Australia by FROG Tech Pty Ltd, 91pp. (2) Tottterdell, J.M., Blevin, J.E., Struckmeyer, H.I.M., Bradshaw, B.E., Colwell, J.B. & Kennard, J.M., 2000. A new sequence framework for the Great Australian Bight: starting with a clean slate. APPEA Journal 40, 95-117. (3) Hill, A.J., 1991. Revisions to the Cretaceous stratigraphic nomenclature of the Bight and Duntroon Basins, South Australia. Geological Survey of South Australia, Quarterly Notes, 120, 2-20. Regional stratigraphy with reference wells that have records of hydrocarbon occurrences
	Eucia Basin (AGSO 1999)	
	Polda Basin (AGSO 1999)	
Southeast Basins		
Southeast Australia tectonics		
	SE. Australia tectonic maps / intervals	click http://www.ga.gov.au/oceans/sa_bight.jsp>"Otago Basin for general report. Selected major references (see sub-basins for full list used in each) = (1) Geoscience Australia's review of well-reports, biostrat and lithostrat during 2008-09. (2) Gallagher, S.J. & Holdgate, G., 2000. The palaeogeographic and palaeoenvironmental evolution of a Palaeogene mixed carbonate-siliciclastic cool-water succession in the Otway Basin, Southeast Australia. Palaeogeography, Palaeoclimatology, Palaeoecology 156, 19-50. (3) Partridge, A.D., 2001. Revised stratigraphy of the Sherbrook Group, Otway Basin, 455-464 in Hill, K.C. & Bernecker, T. (eds), Eastern Australian Basins Symposium, A Refocused Energy Perspective for the Future, Petroleum Exploration Society of Australia, Special Publication.
	Otago Basin	click http://www.ga.gov.au/oceans/sa_bight.jsp>"Otago Basin for general report. Selected major references (see sub-basins for full list used in each) = (1) Geoscience Australia's review of well-reports, biostrat and lithostrat during 2008-09. (2) Gallagher, S.J. & Holdgate, G., 2000. The palaeogeographic and palaeoenvironmental evolution of a Palaeogene mixed carbonate-siliciclastic cool-water succession in the Otway Basin, Southeast Australia. Palaeogeography, Palaeoclimatology, Palaeoecology 156, 19-50. (3) Partridge, A.D., 2001. Revised stratigraphy of the Sherbrook Group, Otway Basin, 455-464 in Hill, K.C. & Bernecker, T. (eds), Eastern Australian Basins Symposium, A Refocused Energy Perspective for the Future, Petroleum Exploration Society of Australia, Special Publication.
	Otago Basin Sequences	
	Otago Sequences (Krassey et al. 2004)	
	Shipwreck Sequences	
	Otago Horizons (2004)	
	Otago Basin Lithostratigraphy	click http://www.ga.gov.au/oceans/sa_bight.jsp>"Otago Basin for general report. Selected major references (see sub-basins for full list used in each) = (1) Geoscience Australia's review of well-reports, biostrat and lithostrat during 2008-09. (2) Gallagher, S.J. & Holdgate, G., 2000. The palaeogeographic and palaeoenvironmental evolution of a Palaeogene mixed carbonate-siliciclastic cool-water succession in the Otway Basin, Southeast Australia. Palaeogeography, Palaeoclimatology, Palaeoecology 156, 19-50. (3) Partridge, A.D., 2001. Revised stratigraphy of the Sherbrook Group, Otway Basin, 455-464 in Hill, K.C. & Bernecker, T. (eds), Eastern Australian Basins Symposium, A Refocused Energy Perspective for the Future, Petroleum Exploration Society of Australia, Special Publication.
	Robe-Penola Trough	Main references = (1) Gallagher, S.J. & Holdgate, G., 2000. The palaeogeographic and palaeoenvironmental evolution of a Palaeogene mixed carbonate-siliciclastic cool-water succession in the Otway Basin, Southeast Australia. Palaeogeography, Palaeoclimatology, Palaeoecology 156, 19-50. (2) Partridge, A.D., 2001. Revised stratigraphy of the Sherbrook Group, Otway Basin, 455-464 in Hill, K.C. & Bernecker, T. (eds), Eastern Australian Basins Symposium, A Refocused Energy Perspective for the Future, Petroleum Exploration Society of Australia, Special Publication. (3) Partridge, A.D., 1999. Late Cretaceous to Tertiary geological evolution of the Gippsland Basin, Victoria. Unpublished PhD Thesis, La Trobe University, Bundoora, 439 pp. (4) Partridge, A.D., 2006. Australian Mesozoic and Cenozoic Palynology Zonations (Charts 1-4). In: Montell, E. (coord.), Australian Mesozoic Palynology Zonations - updated to the 2004 Geologic Time Scale. Geoscience Australia Record 2006/23. ISBN 1 921 236 05 1. (5) Morton, J.G.G. & Drexel, J.F., 1995. The Petroleum Geology of South Australia, Volume 1: Otway Basin. South Australian Department of Mines and Energy Report Book 95/12. (6) Lovbond, R., Sutill, R.J., Skinner, J.E. & Aburas, A.N., 1995. The hydrocarbon potential of the Penola Trough, Otway Basin. APEA Journal 35, 358-371. (7) Sinclair, N. & Montell, E., 2004. New palynology of the Casterton Formation, Sawpit-1, Otway Basin, Australia. Geoscience Australia Record 2004/3 10p. (8) Dusty, I.R., 2003. Mesozoic: 239-266 in Birch, W.D. (ed.), Geology of Victoria. Geological Society of Australia Special Publication 23, Geological Society of Australia (Victoria Division), Melbourne.
	Robe-Penola Trough Lithostratigraphy / Wells / Hydrocarbons	Regional reference wells that have records of hydrocarbon occurrences
	Gambier Embayment and Voluta Trough (south of Tartwaup Hill)	Main references = (1) Gallagher, S.J. & Holdgate, G., 2000. The palaeogeographic and palaeoenvironmental evolution of a Palaeogene mixed carbonate-siliciclastic cool-water succession in the Otway Basin, Southeast Australia. Palaeogeography, Palaeoclimatology, Palaeoecology 156, 19-50. (2) Partridge, A.D., 2001. Revised stratigraphy of the Sherbrook Group, Otway Basin, 455-464 in Hill, K.C. & Bernecker, T. (eds), Eastern Australian Basins Symposium, A Refocused Energy Perspective for the Future, Petroleum Exploration Society of Australia, Special Publication. (3) Partridge, A.D., 1999. Late Cretaceous to Tertiary geological evolution of the Gippsland Basin, Victoria. Unpublished PhD Thesis, La Trobe University, Bundoora, 439 pp. (4) Partridge, A.D., 2006. Australian Mesozoic and Cenozoic Palynology Zonations (Charts 1-4). In: Montell, E. (coord.), Australian Mesozoic Palynology Zonations - updated to the 2004 Geologic Time Scale. Geoscience Australia Record 2006/23. ISBN 1 921 236 05 1. (5) Morton, J.G.G. & Drexel, J.F., 1995. The Petroleum Geology of South Australia, Volume 1: Otway Basin. South Australian Department of Mines and Energy Report Book 95/12.
	Gambier Embayment Lithostratigraphy / Wells / Hydrocarbons	Regional reference wells that have records of hydrocarbon occurrences
	Port Campbell Embayment	Main references = (1) Gallagher, S.J. & Holdgate, G., 2000. The palaeogeographic and palaeoenvironmental evolution of a Palaeogene mixed carbonate-siliciclastic cool-water succession in the Otway Basin, Southeast Australia. Palaeogeography, Palaeoclimatology, Palaeoecology 156, 19-50. (2) Partridge, A.D., 2001. Revised stratigraphy of the Sherbrook Group, Otway Basin, 455-464 in Hill, K.C. & Bernecker, T. (eds), Eastern Australian Basins Symposium, A Refocused Energy Perspective for the Future, Petroleum Exploration Society of Australia, Special Publication. (3) Partridge, A.D., 1999. Late Cretaceous to Tertiary geological evolution of the Gippsland Basin, Victoria. Unpublished PhD Thesis, La Trobe University, Bundoora, 439 pp. (4) Partridge, A.D., 2006. Australian Mesozoic and Cenozoic Palynology Zonations (Charts 1-4). In: Montell, E. (coord.), Australian Mesozoic Palynology Zonations - updated to the 2004 Geologic Time Scale. Geoscience Australia Record 2006/23. ISBN 1 921 236 05 1. (5) Sinclair, N. & Montell, E., 2004. New palynology of the Casterton Formation, Sawpit-1, Otway Basin, Australia. Geoscience Australia Record 2004/3 10p.
	Port Campbell Embayment Lithostratigraphy / Wells / Hydrocarbons	Regional reference wells that have records of hydrocarbon occurrences
	Offshore Torquay Sub-basin	Main references = (1) Holdgate, G.R., Smith, T., Gallagher, S.J. & Wallace, M.W., 2001. Geology of coal-bearing Palaeogene sediments, offshore Torquay Basin, Victoria. Australian Journal of Earth Sciences 48, 657-679. (2) Sinclair, N. & Montell, E., 2004. New palynology of the Casterton Formation, Sawpit-1, Otway Basin, Australia. Geoscience Australia Record 2004/3 10p.
	Offshore Torquay Sub-basin Lithostratigraphy	
	Sorell Basin	click http://www.ga.gov.au/oceans/sa_sorell.jsp>"Sorell for basin reports; AGSO 1998 -- Sorell Basin Bizonation and Stratigraphy, Martinez, J.I., et al. (Chart 13)
	Sorell Basin Phases	

Australia datapack of biostratigraphy and regional stratigraphy -- current contents (July, 2016)

					NOTE: Datapack has "hot-windows" with details on calibrations and data sources for each entry, lithology unit and well URL links, tectonic and facies maps, etc.
				Sorell Basin Phases (old)	
				Sorell Basin Lithostratigraphy	
				King Island Sub-Basin Clam 1	
				Strahan Sub-Basin Cape Sorell 1	
				Strahan Sub-basin	
				Basin Phases (Strahan Sub-basin)	
				Strahan Sub-basin Lithostratigraphy	
				Sandy Cape Sub-basin	
				Basin Phases (Sandy Cape Sub-basin)	
				Sandy Cape Sub-basin Lithostratigraphy	
				DSDP 282	
				Sorell Basin Hydrocarbon Wells	
				Sorell Basin Wells / Hydrocarbons	Regional reference wells that have records of hydrocarbon occurrences
				Gippsland Basin	
				Gippsland Basin Sequences	
				Gippsland Basin Lithostratigraphy	click Gippsland Basin for general report. The lithostratigraphic columns for the Gippsland Basin represent our understanding of the basin as at July 2011 (GA Datapack Version 2 for TimeScale Creator). Further work is on-going at Geoscience Australia on this basin and information is subject to change in later versions of this datapack.
				Latrobe Valley	
				Latrobe Valley Lithostratigraphy	
				Seaspray Depression	
				Seaspray Depression Lithostratigraphy	
				Central Deep West	
				Central Deep West Lithostratigraphy / Wells / Hydrocarbons	
				Central Deep East	
				Central Deep East Lithostratigraphy / Wells / Hydrocarbons	
				Shelf Edge	
				Shelf Edge Lithostratigraphy / Wells / Hydrocarbons	
				Continental Shelf	
				Continental Shelf Lithostratigraphy / Wells / Hydrocarbons	
				Northern Terrace	
				Northern Terrace Lithostratigraphy / Wells / Hydrocarbons	
				Southern Terrace	
				Southern Terrace Lithostratigraphy / Wells / Hydrocarbons	
				Southern Platform	
				Southern Platform Lithostratigraphy	
				Pisces Sub-basin	
				Pisces Sub-basin Lithostratigraphy	
				Generalized transect for Gippsland	
				Bass Basin	
				Bass Basin Sequences	
				Cape Wickham Sub-basin sequences	
				Durroon Sub-basin sequences	
				Bass Basin Lithostratigraphy	
				Onshore Torquay Basin	
				Onshore Torquay Basin Lithostratigraphy	
				Onshore Torquay Basin	
				Onshore Torquay basin Lithostratigraphy	
				Offshore Torquay Basin	
				Offshore Torquay Basin Lithostratigraphy	
				Northwest Bass Basin	
				NW Bass Lithostratigraphy / Hydrocarbons / Wells	Regional reference wells that have records of hydrocarbon occurrences
				Central Bass Basin	
				Central Bass Lithostratigraphy / Hydrocarbons / Wells	Regional reference wells that have records of hydrocarbon occurrences
				Southern Bass Basin	
				Southern Bass Basin Lithostratigraphy	
				Durroon Sub-basin	
				Durroon Lithostratigraphy	
				Cape Wickham Sub-basin	
				Cape Wickham sub-basin Lithostratigraphy / Hydrocarbons	
				Northern basins	
				Northern Phanerozoic basin tectonics	click North basin tectonic maps / Intervals [in Mappack version -- "Add Datapack"] By FROG Tech Pty Ltd.: PHANEROZOIC OZ SEEBASE Study 2005, Public Domain Report to Shell Development Australia; PROTEROZOIC De Vries et al., 2006. OZ SEEBASE Proterozoic Basins Study, Report to Geoscience Australia -- PDFs at www.frogtech.com.au
				North basin tectonic maps / Intervals	
				Arafura Basin	
				Arafura Basin Lithostratigraphy (Diane Edwards, 2011)	click Arafura for basin report.; AGSO 1997 - Arafura and Money Shoals Biozonation and Stratigraphy, Nicoll, R.S., Edwards, D.S. (Chart 3)
				Arafura Basin Lithostratigraphy (Karen Higgins, 2012)	Dianne Edwards (2011)
				Arafura Hydrocarbon Wells	
				Arafura Basin Wells / Hydrocarbons	
				Arafura Sequences	
				Arafura Basin Phases / Sequences	
				Central Australia basins	
				Mid-Central basin tectonics	click Onshore for general reports [in Mappack version -- "Add Datapack"] By FROG Tech Pty Ltd.: PHANEROZOIC OZ SEEBASE Study 2005, Public Domain Report to Shell Development Australia; PROTEROZOIC De Vries et al., 2006. OZ SEEBASE Proterozoic Basins Study, Report to Geoscience Australia -- PDFs at www.frogtech.com.au
				Mid-Central basin tectonic maps / Intervals	
				Amadeus Basin (AGSO 1997)	AGSO 1997 - Amadeus Basin Biozonation and Stratigraphy, Nicoll, R.S., Laurie, J.R. (Chart 6)
				Amadeus wells / hydrocarbons	Regional reference wells that have records of hydrocarbon occurrences
				Amadeus Western Region / Central Region / Eastern Region	
				Georgina Basin	
				Georgina Basin Phases	
				Georgina Basin Lithostratigraphy	

Australia datapack of biostratigraphy and regional stratigraphy -- current contents (July, 2016)

					NOTE: Datapack has "hot-windows" with details on calibrations and data sources for each entry, lithology unit and well URL links, tectonic and facies maps, etc.
				Undilla Sub-basin	
				Elkedra Shelf	
				Dulcie Syncline	
				West Toko Syncline	
				East Toko Syncline	
				Burke River Structural Belt	
				Central/Alexandria-Wonarah Block/Barkly Sub-basin	
				Georgina Basin Hydrocarbon Wells	
				Cooper-Eromanga Basin	[click Cooper Basin for general report.] [click Eromanga Basin for general report.]
				Cooper - Eromanga Basin Phases	
				Cooper - Eromanga Lithostratigraphy	
				Southwestern Cooper Basin Area	
				(West-side) Eastern South Australia - SW Queensland (South of JNP/GMI Trend)	
				(East-side) Eastern South Australia - SW Queensland (South of JNP/GMI Trend)	
				SW Queensland (North of JNP/NMI Trend)	
				Cooper - Eromanga Hydrocarbon Wells	
				Cooper Basin hydrocarbon zones	Regional reference wells that have records of hydrocarbon occurrences
				Cooper Basin hydrocarbons	
				Cooper Bowen Sydney	[click Cooper Basin for general report.] [click Bowen Basin for general report.] [click Bowen Basin for overview.] [click Sydney Basin for general report.] [click Sydney Basin for overview.]
				Cooper Basin Lithostratigraphy	
				Bowen Basin (Fielding, 2008)	
				Bowen Basin (McKeller, 2012)	
				Bowen Basin (Wood, 2014)	
				Bowen Basin (Nicoll and Laurie, 2014)	
				Sydney Basin (Fielding, 2008)	
				Sydney Basin (Briggs, 1998)	
				Sydney Basin (Laurie and Nicoll, 2014)	
				Eastern Australian Spore-Pollen Zonation (2012) / (2004) / (1996)	Comparison of evolving age models and zonations

Geoscience Australia - Facies, Reconstructions, and Tectonic maps [In Mappack "add datapack" version]

				Australia Facies Reconstructions	[click Australia - Evolution of a Continent for details and facies explanations]
				Paleogeography - 1	
				URL Link to Details	Summary of geologic history for each interval on Geoscience Australia website (click event pop-up for URL link)
				Paleogeography - 2	
				All Tectonic Events (selected)	[In Mappack version -- "Add Datapack"] By FROG Tech Pty Ltd.: PHANEROZOIC= OZ SEEBASE Study 2005, Public Domain Report to Shell Development Australia; PROTEROZOIC= De Vries et al., 2006. OZ SEEBASE Proterozoic Basins Study, Report to Geoscience Australia -- PDFs at www.frogtech.com.au
				All tectonic maps	
				All basin intervals	
				Australia-centric reconstructions	[In Mappack version -- "Add Datapack"] Provided by FROG Tech (www.frogtech.com); based on reconstruction software by Chris Scotese (ca. 2002). 550 to 402Ma = same

Geoscience Australia - Lithostratigraphy of Proterozoic Basins

				West Australia	
				Southern-NW Proterozoic basin tectonics (1.8-0.5 Ga)	[In Mappack version -- "Add Datapack"] By FROG Tech Pty Ltd.: PHANEROZOIC= OZ SEEBASE Study 2005, Public Domain Report to Shell Development Australia; PROTEROZOIC= De Vries et al., 2006. OZ SEEBASE Proterozoic Basins Study, Report to Geoscience Australia -- PDFs at www.frogtech.com.au
				Southern-NW tectonic maps	
				Southern-NW basin intervals	
				Northern-NW Proterozoic basin tectonics (2.7-1.7 Ga)	[In Mappack version -- "Add Datapack"] By FROG Tech Pty Ltd.: PHANEROZOIC= OZ SEEBASE Study 2005, Public Domain Report to Shell Development Australia; PROTEROZOIC= De Vries et al., 2006. OZ SEEBASE Proterozoic Basins Study, Report to Geoscience Australia -- PDFs at www.frogtech.com.au
				Northern-NW Proterozoic tectonics	
				Neoproterozoic (w. Aust.)	
				Yeneena Basin (Pilbara Block)	
				Yeneena Basin-2 (Pilbara Block)	
				Collier Basin	
				Paleoproterozoic (w. Aust.)	
				Hammersley Basin	
				Ashburton Basin	
				Edmund Basin - 1	
				Edmund Basin - 2	
				Bryah Basin	
				Padbury Basin	
				Yerrida Basin	
				Earaheedy Basin	
				Northwest Central Australia	
				Proterozoic North-Central basin tectonics (2.0-1.4 Ga)	[In Mappack version -- "Add Datapack"] By FROG Tech Pty Ltd.: PHANEROZOIC= OZ SEEBASE Study 2005, Public Domain Report to Shell Development Australia; PROTEROZOIC= De Vries et al., 2006. OZ SEEBASE Proterozoic Basins Study, Report to Geoscience Australia -- PDFs at www.frogtech.com.au
				Neoproterozoic (nw. central Aust.)	
				Wolfe Basin (east Kimberley)	
				Victoria River Basin (north Central Aust.)	
				Redcliff Pound	
				Paleoproterozoic (nw. central Aust.)	
				Kimberley Basin	
				Victoria River Basin	
				Birringudu Basin	
				Mid-Central Australia	
				Mid-Central basin tectonics (1.9-0.3 Ga)	[In Mappack version -- "Add Datapack"] By FROG Tech Pty Ltd.: PHANEROZOIC= OZ SEEBASE Study 2005, Public Domain Report to Shell Development Australia; PROTEROZOIC= De Vries et al., 2006. OZ SEEBASE Proterozoic Basins Study, Report to Geoscience Australia -- PDFs at www.frogtech.com.au
				Mid-Central basin tectonic maps	
				Mid-Central basin intervals	
				Neoproterozoic (central Aust.)	
				Georgina Basin (east Central Aust.)	
				Amadeus Basin	

Australia datapack of biostratigraphy and regional stratigraphy -- current contents (July, 2016)		
		NOTE: Datapack has "hot-windows" with details on calibrations and data sources for each entry, lithology unit and well URL links, tectonic and facies maps, etc.
	Officer Basin	
	Paleoproterozoic (ne. central Aust.)	
	Paleoproterozoic Sequence Strat	
	Super-Sequence	
	3rd-Order Sequences	
	Pine Creek Inlier	
	Northern Tennant Creek Province	
	Davenport Province	
	McArthur River Basin (North - Caledon Shelf)	
	McArthur River Basin (North - Arnhem Shelf)	
	McArthur River Basin (Walker Trough)	
	McArthur River Basin (Walker Trough North)	
	McArthur River Basin (Walker Trough Central)	
	McArthur River Basin (Walker Trough South)	
	McArthur River Basin (South)	
	McArthur River Economic deposit	
	McArthur River symbol	
	McArthur River (South) stratigraphy	
	Lawn Hill Platform	
	Lawn Hill Economic deposit	
	Lawn Hill symbol	
	Lawn Hill Platform Lithostratigraphy	
	Lawn Hill Platform Members	
	Mt. Isa Basin (and Leichhardt River Fault Trough)	
	Mt. Isa Economic deposit	
	Mt. Isa symbol	
	Mt. Isa stratigraphy	
	South-Central Australia	
	South Central Proterozoic basin tectonics (1.7-0.5 Ga)	[In Mappack version -- "Add Datapack"] By FROG Tech Pty Ltd.: PHANEROZOIC= OZ SEEBASE Study 2005, Public Domain Report to Shell Development Australia; PROTEROZOIC= De Vries et al., 2006. OZ SEEBASE Proterozoic Basins Study, Report to Geoscience Australia -- PDFs at www.frogtech.com.au
	S. Central Proterozoic tectonic maps	
	S. Central Proterozoic basin intervals	
	Neoproterozoic (s. central Aust.)	
	Arckaringa Basin	
	Adelaide Geosyncline	
	Adelaide Geosyncline - Nackara Arc	
	Adelaide Geosyncline - North-Central Flinders Zone	
	Adelaide Geosyncline - S. Adelaide Fold/Thrust Belt	
	Stuart Shelf	
	Paleoproterozoic (s. central Aust.)	Conor, C.H.H., and Preiss, W.V., 2008. Precamb. Res., 166: 297-317.
	Olary Domain (Willyama Supergroup)	Conor, C.H.H., and Preiss, W.V., 2008. Precamb. Res., 166: 297-317.
	Broken Hill (Willyama Supergroup)	Conor, C.H.H., and Preiss, W.V., 2008. Precamb. Res., 166: 297-317.
	Gawler Craton (partial; needs other subregions) and Cariewerloo	Gawler Craton main intervals from Connor and Preiss, 2008, caption to Fig. 2 (Precambrian Research, 166: 297-317); Cariewerloo Basin from de Vries et al., 2006. Oz Seebase report, p.48