



## Further Information regarding Long Reef in the Ku-ring-gai GeoRegion

### References

- Albani A.D., Rickwood P.C., Quilty P.G. and Tayton J.W. (2015) The morphology and late Quaternary paleogeomorphology of the continental shelf off Sydney, NSW. *Australian Journal of Earth Sciences* 62(6): 681- 694
- Arditto P.A. 2012. A sequence stratigraphic model for the middle - Triassic Bald Hill Claystone and Newport Formation, Sydney Basin, New South Wales. *Geological Society of Australia, New South Wales Division. Newsletter* Aug 2012
- Attenbrow V. 2010. *Sydney's Aboriginal past. Investigating the archaeological and historical records*. University of New South Wales Press, 2cnd Edn. 226p
- Benson D. 2024. Vegetation patterns across the Sydney Basin during the Last Glacial Maximum based on plant biogeography, ecology, geomorphology and climate. *Proceedings of the Linnean Society of New South Wales* 146: 1-47
- Branagan D. F., and Packham G. H. 2000. *Field Geology of New South Wales*. Department of Mineral Resources New South Wales, Sydney, Australia. 418p
- Branagan D., Herbert C. and Langford-Smith T. 1976. *An outline of the Geology and geomorphology of the Sydney Basin*. Science Press. University of Sydney. 60p
- Bunny M.R., and Herbert C., 1971. The Lower Triassic Newport Formation, Narrabeen Group, southern Sydney Basin. *Geological Survey of New South Wales, Records*, 13(2): 61-81
- Conaghan P.J., Jones J.G., McDonnell K.L. and Royce K., 1982. A dynamic fluvial model for the Sydney Basin. *Geological Society of Australia Journal*, 29(1): 55-70
- Conroy R.J. Bonzol U.A., Illingsworth J.J., Martyn J.E., Mitchell P.B., Percival I.G., Robinson A.M., Robson D.F., and Walsh J.B. 2023. The Natural and Cultural History of the Ku-ring-gai GeoRegion, New South Wales. *Proceedings of the Linnean Society of New South Wales* 144: 129-226.
- Cowan E.J. 1993. Longitudinal fluvial drainage patterns within a foreland basin-fill: Permo-Triassic Sydney Basin, Australia. *Sedimentary Geology* 85: 557-577

- Damiani R.J. 1999. Giant temnospondyl amphibians from the Early to Middle Triassic Narrabeen Group of the Sydney Basin, New South Wales, Australia. *Alcheringa* 23: 87-109.
- David T.W.E and Halligan G.H. 1908. Evidence of recent submergence of coast at Narrabeen. *Journal and Proceedings of the Royal Society of New South Wales*. 42: 229-237
- Galloway M.C. 1972. Statistical analysis of regional heavy mineral variation: Hawkesbury Sandstone and Narrabeen group (Triassic), Sydney Basin. *Journal of the Geological Society of Australia*. 19: 65-76
- Gibbons G.S. 1967. Shell content in quartzose beach and dune sands, Dee Why, New South Wales. *Journal of Sedimentary Petrology* 37(3): 869-878
- Hanlon F.N., Osborne G.D. and Raggatt H.G. 1953. Narrabeen Group: its subdivision and correlation between the South Coast and Narrabeen-Wyong districts. *Journal and Proceedings of the Royal Society of New South Wales* 87: 106-120
- Helby R.J. 1973. Review of Late Permian and Triassic palynology of New South Wales. *Geological Society of Australia, Special Publication* 4: 141-155
- Herbert C., 1970. A synthesis of Narrabeen Group nomenclature, Sydney Basin. Geological Survey of New South Wales. *Quarterly Notes Geological Survey New South Wales*. 1: 3-10
- Herbert C. (Ed) 1983. *Geology of the Sydney 1:100,000 sheet 9130*. Geological Survey of New South Wales. 225p
- Herbert C. 1997. Sequence stratigraphic analysis of Early and Middle Triassic alluvial and estuarine facies in the Sydney Basin, Australia. *Australian Journal of Earth Sciences*. 44(1): 125-143
- Herbert C. and Helby R. (Eds.) 1980. A guide to the Sydney Basin. *Geological Survey of New South Wales Bulletin*. 26. 603p
- Hoskins I. 2013 *Coast: A history of the New South Wales edge*. A New South Book 447p
- Hughes P.J, and Sullivan M.E. 1974. The re-deposition of midden material by storm waves. *Journal and Proceedings of the Royal Society of New South Wales* 107(1-2): 6-10
- Jennings J.N. 1967. Cliff-top dunes. *Australia Geographical Studies* 5: 40-49
- Jutson J.T. 1939. Shore platforms near Sydney, New South Wales. *Journal of Geomorphology* 2: 237-250
- Kear B.P. 2009. Proterosuchid archosaur remains from the Early Triassic Bulgo Sandstone of Long Reef, New South Wales. *Alcheringa* 33: 331-337

Lewis S.E., Sloss C.R., Murray-Wallace C.V., Woodroffe C.D. and Smithers S.G. (2013). Postglacial sea-level changes around the Australian margin: a review. *Quaternary Science Reviews* 74:115-138.

Loughnan F.C., Ko Ko M. and Bayliss P. 1964. The red beds of the Triassic Narrabeen group. *Journal of the Geological Society of Australia* 11: 65-78

Martin A.R.H. 1972. The depositional environment of the organic deposits on the foreshore at north Dee Why, New South Wales. *Proceedings of the Linnean Society of New South Wales* 96 (4): 278-281

Morrison M. 1904 Notes on some of the dykes and volcanic necks of the Sydney district, with observations on the columnar sandstone. *Records of the Geological Survey of New South Wales* 7: 241-281

Naing T. 1993. Trace fossils as palaeoenvironmental indicators in the early to middle Triassic Narrabeen Group. *Proc of the 27th Symposium on advances in the study of the Sydney Basin*. p77-84

Niedźwiedzki G., Bajdek P., Owocki K. and Kear B.P. 2016. An Early Triassic polar predator ecosystem revealed by vertebrate coprolites from the Bulgo Sandstone (Sydney Basin) of southeastern Australia. *Palaeogeography, Palaeoclimatology, Palaeoecology* 464: 5-15

Offler R., Zwingham H., Foden J., Sutherland F.L. and Graham I.T. 2019. Age and composition of dykes emplaced before and during the opening of the Tasman Sea – source implications. *Australian Journal of Earth Sciences* 66(8): 1129-1144

Pells P.J.N. 1993. Part 3: A thumbnail engineering Geology of the Triassic rocks of the Sydney area. EH Davis Memorial Lecture notes. <http://www.pellsconsulting.com.au/downloads/engineeringGeologyOfTheTriassicRocksOfTheSydneyArea.pdf>

Pepperell J. and Grigg G. 1974. A labyrinthodont trackway from the Mid-Triassic near Sydney, New South Wales. *Proceedings of the Linnean Society of New South Wales* 99: 54–56.

Phillips M.R. 1963. Morphodynamics of dissipative beaches: Dee Why and Long Reef Beach. Uni of Sydney, Unpublished BSc Hons Thesis. Part 1

Retallack G.J. 1977. Triassic palaeosols in the Upper Narrabeen Group of New South Wales. Part II: classification and reconstruction. *Geological Society of Australia Journal*, 24(1): 19-36

Retallack, G.J. 1990. *Soils of the past*. Allen and Unwin

Retallack G.J. 1997. Palaeosols in the upper Narrabeen Group of New South Wales as evidence of Early Triassic palaeoenvironments without exact modern analogues. *Australian Journal of Earth Sciences*, 44(2): 185-201

Retallack G.J. 1999. Post-apocalyptic greenhouse paleoclimate revealed by earliest Triassic paleosols in the Sydney Basin, Australia. *Geological Society of America Bulletin* 111: 52-70

Retallack G. J. 2010. Lateritization and Bauxitization Events. *Economic Geology*, 105: 655-667

Retallack, G.J. and Herbert C. 1998, Discussion and reply. Sequence stratigraphic analysis of Early and Middle Triassic alluvial and estuarine facies in the Sydney Basin, Australia. *Australian Journal of Earth Sciences* 45: 653-655

Retallack G. J., Sheldon N. D., Carr P. F., Fanning M., Thompson C. A., Williams M. L., Jones B. G. and Hutton A. 2011. Multiple Early Triassic greenhouse crises impeded recovery from Late Permian mass extinction. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 308(1-2): 233-251

Short A.D. and Woodroffe C.D. 2009. *The coast of Australia*. Cambridge University Press, 304 pp.

Walkom A.B. 1925. Fossil plants from the Narrabeen Stage of the Hawkesbury Series. *Proceedings of the Linnean Society of New South Wales* 50: 214-224

Walton S.G. 1907. Analyses of Chocolate shale and tuffaceous sandstone from the Narrabeen Series. *Journal and Proceedings of the Royal Society of New South Wales* 40: 154-157

Wang Tao, Guo Hui, Liu Xiu-Ming, Lü Bin, Mao Xue-Gang, Zhou Zi-Bo, Wen Chang-Hui, Hou Shun-Min, Su Long-Jian. 2015. Magnetic properties of a Miocene paleosol section in Long Reef Beach, Sydney, Australia and their environmental implications. *Chinese Journal of Geophysics* 58(3): 971-981 In Chinese, English abstract available on the .www

Warren A. 1972. Triassic amphibians and reptiles of Australia in relation to Gondwanaland. *Australian Natural History* 17: 279–283

Warren A. 1982. Australian fossil amphibians. In: *Fossil Vertebrate Record of Australasia*. Rich P.V. and Thompson E.M. (Eds.), Monash University Press, Clayton, Victoria, 145-158

Warren A. 1991. Australian fossil amphibians. In: *Vertebrate Palaeontology of Australasia*. Vickers-Rich P., Monaghan J.M., Baird, R.F. and Rich T.H. (Eds.) Pioneer Design Studio, Melbourne, 569-590.

Ward C.R. 1980. Notes on the Bulgo Sandstone and Bald Hill Claystone. *Geological Survey of New South Wales*. 26: 178-186

Ward C.R. and Kelly B.F.J. 2013. Background Paper on New South Wales Geology with a Focus on Basins Containing Coal Seam Gas Resources for Office of the New South Wales Chief Scientist and Engineer. School of Biological, Earth and Environmental Sciences, University of New South Wales

Wentworth C.K. 1940. Shore platforms near Sydney: A discussion, *Journal of Geomorphology* 3: 154-155

White M.E. 1986. *The Greening of Gondwana*. Reed Books P/L 256p

Woodroffe C. D. 2002. *Coasts: Form, process and evolution*. Cambridge University Press, 623 pp

### **Natural history guides.**

Andrew N. (Ed.) 1999. *Under southern seas. The ecology of Australia's rocky reefs*. University of New South Wales Press, 238p

Bennett I. 1992. *Australian seashores: adapted from W.J. Dakin's Australian seashores*. Collins/Angus and Robertson, 266p

Coleman N. 1977. *A field guide to Australian marine life*. Rigby, 223p

Coleman N. 1981. *What shell is that?* Landsdowne Press, 298p

Colman P. and Mitchell P. 2011. *Exploring tidal waters on Australia's temperate coast*. Groundtruth Consulting, Gladesville. 122p

Colman P. and Mitchell P. 2024. *A Field Guide to the Marine Life of Coastal Reefs and Rock Pools*. In Press.

Dakin W.J. 1952-1987. *Australian Seashores*. Angus and Robertson, Sydney. Many editions and reprints.

Davey K. 2004. *A photographic guide to seashore life of Australia*. New Holland, 144p

Edgar G.J. 2008. *Australian marine life: the plants and animals of temperate waters*. New Holland, 2nd Edn. 624p

Fuhrer B., Christianson I.G., Clayton M.N. and Allender B.M. 1988. *Seaweeds of Australia*. Reed Books, 112p

Haddon F. 1992. *Australian Seashores, an Environmental Field Guide to Flora and Fauna*. Simon and Schuster.

Morcombe M. 2003. *Field guide to Australian birds*. Steve Parish Publishing, 448p

Porter C., Mathews T.G., Bellgrove A. and Westcott G. 2023. *Field guide to the seashores of south-eastern Australia*. CSIRO Publishing 228p

Underwood A.J. and Chapman M.G. 1993. *Coastal marine ecology of temperate Australia*. New South Wales University. Press, 341p

Underwood A.J. and Chapman M.G. (Eds.) 1994. *Seashores. A beachcombers guide*. New South Wales University. Press, 117p

Wilson B. 2002. *A handbook to Australian seashells on seashores east to west and north to south*. New Holland Publishers, 185p

Wilson B.R. and Gillett K. 1979. *A field guide to Australian shells*. Prosobranch gastropods. A.H. and A.W. Reed, 287p.

## **Web Resources**

Beechey D. Seashells <http://seashellsofnsw.org.au/>

Coastcare <https://landcareaustralia.org.au/coastcare/>

Coastal environment Centre, Pittwater Council  
<https://www.northernbeaches.nsw.gov.au/environment/coastal-environment-centre>

Climate change <http://www.climatechange.gov.au/>

Fishcare volunteers  
<https://www.dpi.nsw.gov.au/fishing/recreational/resources/fishcare-volunteers>

Long Reef Aquatic Reserve  
<https://www.dpi.nsw.gov.au/fishing/marine-protected-areas/aquatic-reserves/long-reef-aquatic-reserve>

Long Reef Aquatic Reserve video  
<https://www.northernbeaches.nsw.gov.au/services/disability/website-help/accessible-videos/long-reef-aquatic-reserve>

Long Reef Birdlife <https://reefcarelongreef.org.au/long-reef-birdlife/>

Long Reef Shorebirds <https://www.facebook.com/LongReefShorebirds/>

Morton, J. K. (2020). Intertidal rocky shore life: An identification guide for the Central and Hunter Coasts of NSW, Australia. Avondale University College. Cooranbong. <https://research.avondale.edu.au/bitstreams/13dc0c13-e0e6-4d14-bf5a-628af093b08e/download>

Pittwater Pathways LONG REEF: special by any measure. 35 min video.  
<https://www.youtube.com/watch?v=w7PsLBkxWVs>

Pittwater Pathways WRITTEN IN STONE: a 245 million year old mass breeding event? 32 minute video.

Reefcare Long Reef <http://www.reefcarelongreef.org.au/index.php/about>

Sea surface temperature <http://www.bom.gov.au/marine/sst.shtml>

Tide times for NSW <http://www.bom.gov.au/australia/tides/#!/nsw>