Selected bibliography of environmental theses for the Blue Mountains region, New South Wales, Australia

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Version 2, March 2019.

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Includes some theses that deal with the Blue Mountains region in part only. Most recent Masters and PhD theses will be available online for download from relevant university library websites or the National Library of Australia's Trove digital theses repository.

Theses related to the Jenolan Caves area cited here may be held by the Jenolan Caves Reserve Trust archive. Additional uncited Honours and Grad. Dip. Env. Sc. theses with relevance to the Jenolan Caves area may also be held by the archive.

Allan, T. L. (1986) Structure and stratigraphy of Palaeozoic rocks in the Jenolan Caves area NSW. B.Sc. (Honours) thesis, University of Sydney.

Avaramides, P. (1997) Marble tombstones as environmental indicators. PhD thesis, University of Sydney.

Baird, I. R. C. (2012) The wetland habitats, biogeography and population dynamics of *Petalura gigantea* (Odonata: Petaluridae) in the Blue Mountains of New South Wales. PhD thesis, Western Sydney University. Available from http://handle.uws.edu.au:8081/1959.7/509925

Baker, A. C. (2009) The dynamics of litterfall in eucalypt woodland surrounding pine plantations. PhD thesis, University of Technology, Sydney. Available from http://trove.nla.gov.au/work/36355084

Bartley, M. J. (1985) The contribution of fire to variation in plant species composition and cover in sclerophyll shrub woodland and low open-forest in the Blue Mountains, New South Wales. M.Sc. thesis, University of New South Wales.

Belmer, N. (2015) Impacts of urban catchments on protected Blue Mountains Swamps water quality, chemistry and macroinvertebrate communities. Blue Mountains, Australia. B.Sc (Honours) thesis, Western Sydney University.

Bembrick, C. S. (1964) The geology of the area between Mt. Genowlan and the Capertee River. B.Sc. (Honours) thesis, University of New South Wales.

Bino, G. (2011) Using atlas data for large scale conservation strategies: a case study of NSW's mammals. PhD thesis, University of New South Wales. Available from http://handle.unsw.edu.au/1959.4/52028

Black, D. (1976) An exploratory survey of the vegetation of the Boyd Plateau. M.Sc. thesis, University of Sydney.

Black, M. P. (2006). A late Quaternary palaeoenvironmental investigation of the fire, climate and vegetation nexus from the Sydney Basin, Australia. PhD thesis, University of New South Wales. Available from http://handle.unsw.edu.au/1959.4/25745

Brainwood, M. A. (2006) The hierarchical effects of anthropogenic impacts and natural filters on the distribution of freshwater mussels in the Hawkesbury-Nepean River, NSW, Australia. PhD thesis, Western Sydney University. Available from http://handle.uws.edu.au:8081/1959.7/489759

Branagan, D. F. (1958) Studies in sedimentation and structure in the Western Coalfield of N.S.W. M.Sc. thesis, University of Sydney.

Brunker, R. L. (1959) Geological survey of the Emu Plains - Glenbrook area with special reference to the petrology and engineering application of the older gravels. B.E. (Geology) thesis, University of New South Wales.

Bulinski, J. (1993) Aspects of the distribution, behaviour and ecology of the Brush-tailed Rock-wallaby (*Petrogale penicillata*). B.Sc. (Honours) thesis, Charles Sturt University (Mitchell).

Byrnes, J. E. (1965) Petrogenesis and geological history of an area between Jenolan Caves and Kanangra Walls, NSW. B.Sc. (Honours) thesis, University of New South Wales.

Chalson, J. M. (1989) The late Quaternary vegetation and climatic history of the Blue Mountains, N.S.W. PhD thesis, University of New South Wales.

Cholson, D. N. (1995) The ecology of heathlands of the Western Blue Mountains. M.Sc. thesis, University of Sydney.

Chand, F. (1963) The geology of the area northeast of the Jenolan River, B.Sc. (Honours) thesis, University of Sydney.

Clean, S. M. (1983) Geology and cave formation, Jenolan Caves, NSW. B.App.Sc. (Geology) thesis, NSW Institute of Technology.

Coates, C. (1994) Evaluation of water quality solutions at Jenolan Caves. B.Eng. thesis, University of New South Wales.

Cohen, D. (2002) Best practice mine water management at a coal mining operation in the Blue Mountains. PhD thesis, Western Sydney University. Available from http://handle.uws.edu.au:8081/1959.7/430

Cowley, K. L. (2017) The hydro-geomorphic structure and function of temperate upland swamps in Eastern Australia. PhD thesis, Macquarie University. Available from https://trove.nla.gov.au/version/260338123

Croak, B. M. (2012) Habitat restoration and management of endangered species on Sydney sandstone outcrops. PhD thesis, University of Sydney. Available from http://hdl.handle.net/2123/18903

Crook, K. A. W. (1956) Geology of the Kurrajong - Grose River District. M.Sc. thesis, University of Sydney.

Crowley, J. (1991) Geology of the upper Narrabeen Group between coastal outcrop and the Blue Mountains. B.Sc. (Honours) thesis, Macquarie University.

Daly, T. J. (2000) Elements of the past: an environmental history of the Blue Mountains, Australia. PhD thesis, University of Sydney. Available from http://opac.library.usyd.edu.au/record=b2424201~S4

Doughty, D. G. (1994) The stratigraphy and structure of the southern limestone area, Jenolan Caves, NSW. B.App.Sc (Geology) thesis, University of Technology Sydney.

Duncan, F. (1974) The vegetation of Kanangra Walls and Ti-Willa Plateau. Honours thesis, University of Sydney.

Fahey, M. (2015) Local persistence of regional connectivity: Contrasting gene flow barriers in *Tristaniopsis* (Myrtaceae). B.Sc (Honours) thesis, University of Sydney.

Freidman, B. (2011) The geomorphic character, chronology and evolution of upland swamps in the Blue Mountains, NSW. B.Env.Mgt. (Honours) thesis, Macquarie University.

Glasby, P. (1981) The biology of Blue Mountains Ash (*Eucalyptus oreades* R.T. Baker) on the Blue Mountains plateau. B.Sc. (Honours) thesis, Macquarie University.

Gold, A. (2009) Predicting and preventing the spread of lantana into the Blue Mountains. M.Phil. thesis, University of New South Wales. Available from http://handle.unsw.edu.au/1959.4/44260

Goldbery, R. (1966) The geology of the upper Blue Mountains area. B.Sc. (Honours) thesis, University of New South Wales.

Goodwin, T. (1984) A survey of sedgelands in the Blue Mountains. Completed in fulfillment of the requirements of the unit Applied Ecology, B.App.Sc, New South Wales Institute of Technology, Sydney.

Gorissen, S. (2016) Conservation biology of the endangered Blue Mountains Water Skink (*Eulamprus leuraensis*). PhD thesis, University of Sydney. Available from https://ses.library.usyd.edu.au/bitstream/2123/15731/2/Gorissen_S_Conservation%20biology%2 https://oof%20the%20endangered%20Blue%20Mountains%20Water%20Skink%20%28Eulamprus%20leuraensis%29.pdf

Green, J. (2012) Reconstructing the pre-European Vegetation of Wolgan Valley, NSW. Honours thesis, University of New South Wales.

Gulson, B. L. (1963) Geology of an area southeast of Jenolan Caves, NSW. B.Sc. (Honours) thesis, University of Sydney.

Hardiman, N. J. (2003) Visitor impact management in canyons of the Blue Mountains, New South Wales. PhD thesis, Western Sydney University. Available from http://handle.uws.edu.au:8081/1959.7/9

Harrington, B. A. (2003) The role of soil phosphorus in the distribution of plant communities in south-eastern Australia. M.Sc. thesis, Macquarie University.

Head, M. (2008) Systematic reserve design and the historical representation of Myrtaceae in the Greater Blue Mountains World Heritage Area. Honours thesis, University of New South Wales.

Holland, W. N. (1974) Origin and development of Hanging Valleys in the Blue Mountains. PhD thesis, University of Sydney.

Kohlhagen, T. (2011) Integrating a geomorphic condition assessment of Blue Mountains upland swamps with perceptions of local bushcare volunteers. B.Env.Mgt. (Honours) thesis, Macquarie University.

Kresinger, H. (1999) An assessment of zinc and cadmium levels at Jenolan Caves. M.Sc. thesis, University of Sydney. Available from http://opac.library.usyd.edu.au/record=b2362580~S4

Lane, A. (2005) Frog abundance and diversity in urban and non-urban habitats in the upper Blue Mountains (New South Wales). M.Sc. thesis, Western Sydney University. Available from http://handle.uws.edu.au:8081/1959.7/463

LeBreton, M. (1996) Habitat and distribution of the Blue Mountains swamp skink (*Eulamprus leuraensis*). B.Zool. (Honours) thesis, University of New South Wales.

Lee, T. (2013) Fine-scale population genetics studies of koala population in New South Wales and Victoria. M.Sc (Vet.Sc.) thesis, Sydney University. Available from http://hdl.handle.net/2123/10427

Li, S. (2013) Recurrent fires in the Blue Mountains, Australia: A study on the controls of unplanned wildfires during the historic period. Honours thesis, University of New South Wales.

Low, P. A. (2011) Insects eating eucalypts: a highly volatile situation? Direct and indirect effects of host plant quality on eucalypt-feeding insect herbivores. B.Sc. (Honours) thesis, University of Sydney.

Martin, L. (2017). Records of postglacial hydroclimatic variability from the peat-forming environments of the Sydney Region. PhD thesis, University of New South Wales. Available from https://trove.nla.gov.au/version/252607196

McClean, S. M. (1983) Geology and cave formation, Jenolan Caves, NSW. B.App.Sc (Geology) thesis, NSW Institute of Technology.

Michie, N. (1992) The study of climate, dust and carbon dioxide in Jenolan Caves. PhD thesis, Macquarie University.

Morris, D. A. ???? Analysis of late Quaternary small mammal fauna from Nettle Cave, Jenolan Caves, NSW. B.Sc. (Honours) thesis, University of NSW.

McArthur S. (1999) Visitor management in action: an analysis of the development and implementation of visitor management models at Jenolan Caves and Kangaroo Island. PhD thesis, University of Canberra. Available from http://erl.canberra.edu.au/public/adt-AUC20060424.160716/index.html

McNamara, L. (2007) The role of water quality modelling in decision-making. PhD thesis, Western Sydney University. Available from http://handle.uws.edu.au:8081/1959.7/18899

Michie, N. A. (1997) An investigation of the climate, carbon dioxide and dust in Jenolan Caves, N.S.W. PhD thesis, Macquarie University.

Newby Z. J. (2014) Quantification of the risk of *Phytophthora* dieback in The Greater Blue Mountains World Heritage Area. PhD thesis, University of Sydney. Available from http://hdl.handle.net/2123/10286

Norman, A. R. (1987) A structural analysis of the southern Hornsby Plateau. M.Sc. thesis, University of Sydney.

Osborne, R. A. L. (1986) Multiple karstification: a geological history of karsts and caves in NSW. PhD thesis, University of Sydney.

Painuly, A. S. (2006) Distribution and speciation of heavy metals in sediments from Lake Burragorang. PhD thesis, Western Sydney University. Available from http://handle.uws.edu.au:8081/1959.7/13850

Pascoe, J. H. (2011) Apex predators in the Greater Blue Mountains World Heritage Area. PhD thesis, Western Sydney University. Available from http://handle.uws.edu.au:8081/1959.7/506996

Pedram, H. (1983) Structure and engineering geology of the lower Blue Mountains, Sydney Basin, New South Wales, Australia. M.Sc. thesis, University of Sydney.

Pegard, B. (2010) Fire risk and fire management in the context of global climate change: an analysis of the Provence region of southeast France and the Blue Mountains region of Australia. PhD thesis, University of New South Wales. Available from http://handle.unsw.edu.au/1959.4/50260

Pulford, A. (1997) Cenozoic landscape evolution of the east Australian highlands: constraints from Miocene basalts, Blue Mountains, N.S.W. Honours thesis, Australian National University.

Purcell, B. (2008) Order in the pack: ecology of *Canis lupis dingo* in the southern Greater Blue Mountains World Heritage Area. PhD thesis. Western Sydney University. Available from http://handle.uws.edu.au:8081/1959.7/489944

Raggatt, H. G. (1938) Evolution of the Permo-Triassic basin of east-central New South Wales. D.Sc. thesis, University of Sydney.

Richards, P. J. (2009) Quantification of bioturbation and its impacts on soil and slope processes. PhD thesis, Macquarie University. Available from https://www.researchgate.net/publication/281976827_PhD_Thesis_2009_Quantification_of_bioturbation_and_its_impacts_on_soil_and_slope_processes

Roberts, C. (1999) Invertebrates of show caves at Jenolan, New South Wales: a pilot study comparing survey methods and studying the distribution of cave-dwelling fauna with respect to tourism. Masters thesis, Sydney University.

Rowling, J. (2004) Cave Aragonites of New South Wales. M.Sc. thesis, University of Sydney. Available from http://opac.library.usyd.edu.au/record=b2877449~S4

Rutherford, S. (2017) Adaptive variation versus vicariance: what drives speciation in *Eucalyptus*? PhD thesis, University of New South Wales. Available from https://www.unsworks.unsw.edu.au/primo-explore/fulldisplay?vid=UNSWORKS&docid=unsworks-47508&context=L

Shepherd, L. (2008) Spatial point processes and pseudo-absence logistic regression for species distribution modelling. Honours thesis, University of New South Wales.

Smith, M. J. (2007) Conserving Australia's crystalline heritage: an inquiry into environmentally sustainable cave management at Jenolan Caves. B.Env.Mgt. (Honours) thesis, Griffith University.

Standard, J. C. (1964) Stratigraphy, structure and petrology of the Hawkesbury sandstone. PhD thesis, University of Sydney.

Stanley, G. A. V. (1925) A preliminary account of the geology and petrology of the Jenolan Caves Reserve. PhD thesis, University of Sydney.

Stanton R. (1989) Sediment transport in Mckeons Creek valley and the Northern Caves System at Jenolan. B.Sc. (Honours) thesis, Australian National University.

Stewart, W. A. (1987) Geology of an area north of Jenolan Caves, NSW. B.Sc. (Honours) thesis, University of Sydney

Stitt, P. H. (1961) The geology of the Galong Creek - Coxs River - Breakfast Creek - Megalong Valley, New South Wales. B.E. (Geology) thesis, University of New South Wales.

Swinbourne, H. E. (1994) A critical evaluation of the environmental impact assessment process as practised in NSW for application to ecologically sensitive areas. M.Env.Eng. thesis, University of NSW.

Taylor, G. (1967) Stratigraphy and general geology of the Lower Grose Valley, New South Wales. B.Sc. (Honours) thesis, University of New South Wales.

Tungka, M. (1992) The geology and engineering geology of the Lithgow district, Western Coalfield, New South Wales. B.Sc. (Honours) thesis, University of New South Wales.

Ward, C. R. (1971) Mesozoic sedimentation and structure in the southern part of the Sydney Basin: the Narrabeen group. PhD thesis, University of New South Wales.

Washington, H. G. (2006) The wilderness knot. PhD thesis, Western Sydney University. Available from http://handle.uws.edu.au:8081/1959.7/18652

Wilkinson, M. T. (2005) Reaction of a passive margin: the interplay between vegetation dynamics, soil thickness, climate and incision. PhD thesis, Macquarie University.

Wright, I. A. (1994) The ecological impact of Wentworth Falls sewage treatment plant on Blue Mountains Creek. M.Sc. thesis, Macquarie University.

Wright, I. A. (2005) Midges (Chironomidae: Diptera) in Australian freshwater lakes and upland streams. PhD thesis, Western Sydney University. Available from http://handle.uws.edu.au:8081/1959.7/16095

Wright, J. M. (1993) Ecology of the feral cat *Felis catus* (L) in the Jenolan Caves Reserve: potential prey, home range and diet. B.Sc. (Honours) thesis, Macquarie University.