

McArthur River Mine Overburden Management Project

References

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- Aboriginal Areas Protection Authority (2016). *Protecting Sacred sites Across the Territory*. [online] Available at: http://www.aapant.org.au/our-services/authority-certificates [Accessed 5 Sep. 2016]. *Aboriginal Land Rights Act* (1976) Commonwealth Government Legislation, 1976.
- ABS (Australian Bureau of Statistics (2011b). 2011 Census QuickStats: Borroloola. [online] Available at:

http://www.censusdata.abs.gov.au/census_services/getproduct/census/2011/quickstat/SSC70030? opendocument&navpos=220 [Accessed 7 Nov. 2016].

ABS (Australian Bureau of Statistics (2011c). 2011 Census QuickStats: Roper Gulf (S). [online] Available at:

http://www.censusdata.abs.gov.au/census_services/getproduct/census/2011/quickstat/710303600? opendocument&navpos=220 [Accessed 7 Nov. 2016].

- ABS (Australian Bureau of Statistics (2011d). 2011 Census QuickStats: Gulf. [online] Available at: http://www.censusdata.abs.gov.au/census_services/getproduct/census/2011/quickstat/702051066? opendocument&navpos=220 [Accessed 4 Nov. 2016].
- ABS (Australian Bureau of Statistics (2011e). 2011 Census QuickStats: Northern Territory. [online] Available at:

http://www.censusdata.abs.gov.au/census_services/getproduct/census/2011/quickstat/7?opendoc ument&navpos=220 [Accessed 15 Dec. 2016].

- ABS (Australian Bureau of Statistics) (2011a). 2901.0 Census Dictionary, 2011. [online] Available at: http://www.abs.gov.au/ausstats/abs@.nsf/Lookup/2901.0Chapter23102011 [Accessed 9 Jan. 2017].
- ABS (Australian Bureau of Statistics) (2011f). Census QuickStats: Australia. [online] Available at: http://www.censusdata.abs.gov.au/census_services/getproduct/census/2011/quickstat/0?opendoc ument&navpos=220 [Accessed 15 Dec. 2016].
- Allen, G.R. (1982). *A Field Guide to Inland Fishes of Western Australia*. University of Western Australia Press, Perth.
- Allen, G.R. (1991). *Field Guide to the Freshwater Fishes of New Guinea*. Christensen Research Institute, Mandang.
- ANCOLD (2012). *Guidelines on Tailings Dam Planning, Design, Construction, Operation and Closure*. Report by the Australian National Committee on Large Dams Incorporated.
- Andersen, A.N. and B.D. Hoffman (2011). Conservation value of low fire frequency in tropical savannas: Ants in monsoonal Australia. *Austral Ecology* **36**, 49-503.
- Arevalo, J. and K. Newhard (2011). Traffic noise affects forest bird species in a protected tropical forest. *Revista de Biologia Tropical* **59**, 969-980.
- Armstrong, K.N. (2001). The distribution and roost habitat of the orange leaf-nosed bat, *Rhinonicteris aurantius*, in the Pilbara region of Western Australia. *Wildlife Research* **28**, 95-104.
- Aumann, T. and D.J. Baker-Gabb (1991). The ecology and status of the Red Goshawk in northern Australia. RAOU Report No.75, Melbourne

- Aurecon (2017). *McArthur River Mining Overburden Management Project*. Economic Impact Assessment Report. Brisbane: Aurecon, pp.1-36. (Appendix Z)
- Australian Centre for Sustainable Mining Practices (2011). *A Guide to Leading Practice Sustainable Development in Mining*. Australian Government.
- Australian Government (2015). Closing the gap [electronic resource]. 1st ed. Canberra: Department of the Prime Minister and Cabinet, pp.1-36.
- Australian Standard (1993). *Geotechnical site investigations*. Council of Standards of Australia AS 172-1993.
- Australian Standard (1995). Formwork of concrete. Council of Standards of Australia AS 3610-1995.
- Australian Standard (1997). *Portland and blended cements*. Council of Standards of Australia AS 3972-1997.
- Australian Standard (2000). *Methods of testing soils for engineering purposes General requirements and list of methods*. Council of Standards of Australia AS 1289.0-2000.
- Australian Standard (2001). Concrete structures. Council of Standards of Australia AS 3600-2001.
- Australian Standard (2001). *Portable fire extinguishers and fire blankets-Selection and location*. Council of Standards of Australia AS 2444-2001.
- Australian Standard (2002). Earth-retaining structures. Council of Standards of Australia AS 4678-2002
- Australian Standard (2002). *Evaluation of human exposure to whole-body vibration-General requirements*. Council of Standards of Australia AS 2670.1-2001 (R2016).
- Australian Standard (2004). Bridge Design. Council of Standards of Australia AS 5100.
- Australian Standard (2004). *The storage and handling of flammable and combustible liquids*. Council of Standards of Australia AS 1940:2004.
- Australian Standard (2006). *Explosives-storage and use; Part 2: Use of explosives.* Council of Standards of Australia AS 2187.2-2006.
- Australian Standard (2007). *Guidelines on earthworks for commercial and residential developments*. Council of Standards of Australia AS 3798-2007.
- Australian Standard (2007). *Specification and supply of concrete.* Council of Standards of Australia AS 1379-2007.
- Australian Standard (2008). *Methods of sampling and analysis of ambient air; Method 4.1: Determination of Sulphur dioxide-Direct reading instrumental method.* Council of Standards of Australia AS 3580.4.1-2008.
- Australian Standard (2009). *Piling Designs and installation*. Council of Standards of Australia AS 2159-2000.
- Australian Standard, (1992). *Fixed platforms, walkways, stairways and ladders-Design, construction and installation*. Council of Standards of Australia AS 1657-1992.
- Australian/ New Zealand Standard Committee (1997). *Recommended practices for occupation eye protection.* Standards of Australia/New Zealand AS/NZS 1336:1997.

- Australian/New Zealand Standard Committee (1998). *Occupational Protective helmets-selection, care and use*. Standards of Australia/New Zealand AS/NZS 1800:1998.
- Australian/New Zealand Standard Committee (2000). *Occupational Protective gloves*. Standards of Australia/New Zealand AS/NZS 2161.1:2000. Available at: https://www.saiglobal.com/pdftemp/previews/osh/as/as2000/2100/21611.pdf
- Australian/New Zealand Standard Committee (2001). *Occupational health and safety management system- Specification with guidance for use.* Standards of Australia/New Zealand AS/NZS 4801:2001.
- Australian/New Zealand Standard Committee (2001). *Safe working in a confined space*. Standards of Australia/New Zealand AS/NZS 2865:2001.
- Australian/New Zealand Standard Committee (2001). *Steel reinforcing materials.* Standards of Australia/New Zealand AS/NZS 4671:2001.
- Australian/New Zealand Standard Committee (2002). *Structural design actions Part 1: Permanent, imposed and other actions.* Standards of Australia/New Zealand AS/NZS 1170.1:2002.
- Australian/New Zealand Standard Committee (2003). *Methods for sampling and analysis of ambient air Method 10.1: Determination of particular matter-Deposited matter-Gravimetric method.* Standards of Australia/New Zealand AS/NZS 3580.10.1:2003.
- Australian/New Zealand Standard Committee (2003). *Powered-actuated (PA) hand-held fastening tools Charges.* Standards of Australia/New Zealand AS/NZS 1873.3:2003.
- Australian/New Zealand Standard Committee (2004). *Classification of hazardous areas Part 3.1: examples of area classification - General.* Standards of Australia/New Zealand AS/NZS 2430.3.1:2004.
- Australian/New Zealand Standard Committee (2004). *Environmental management systems-Requirements with guidance for use.* Standards of Australia/New Zealand AS/NZS ISO 14001:2004.
- Australian/New Zealand Standard Committee (2005). *Occupational noise management Part 3: Hearing protector program.* Standards of Australia/New Zealand AS/NZS 1269.3:2005.
- Australian/New Zealand Standard Committee (2008). *Clothing for protection against heat and flame-General recommendations for selection, care and use of protective clothing.* Standards of Australia/New Zealand AS/NZS ISO 2801:2008.
- Australian/New Zealand Standard Committee (2008). Occupational Protective Clothing- Part 1: Guidelines on the selection, use, care and maintenance of protective clothing. Standards of Australia/New Zealand AS/NZS 4501.1:2008.
- Australian/New Zealand Standard Committee (2008). Occupational Protective Clothing- Part 1: Guidelines on the selection, use, care and maintenance of protective clothing. Standards of Australia/New Zealand AS/NZS 4501.1:2008.
- Australian/New Zealand Standard Committee (2009). *Industrial fall-arrest systems and devices Part 4: Selection, use and maintenance.* Standards of Australia/New Zealand AS/NZS 1891.4:2009.
- Australian/New Zealand Standard Committee (2009). *Risk management- principles and guidelines*. Standards of Australia/New Zealand AS/NZS ISO 31000:2009.
- Australian/New Zealand Standard Committee (2009). *Selection, use and maintenance of respiratory protective equipment.* Standards of Australia/New Zealand AS/NZS 1715:2009.

- Australian/New Zealand Standard Committee (2010). *In-service safety inspection and testing of electrical equipment*. Standards of Australia/New Zealand AS/NZS 3760:2010.
- Australian/New Zealand Standard Committee (2010). *Safety, Protective and occupational footwear Part* 1: *Guide to selection, care and use*. Standards of Australia/New Zealand AS/NZS ISO 2210.1:2010.
- Australian/New Zealand Standard Committee (2003). *Powder-actuated (PA) hand-held fastening tools Part 4: Fasteners.* Standards of Australia/New Zealand AS/NZS 1873.4:2003.

ANZECC & ARMCANZ (2000). *Australia and New Zealand Guidelines for Fresh and Marine Water Quality'*, Australian and New Zealand Environment & Conservation Council and Agriculture & Resource Management Council of Australia and New Zealand, October 2000.

- Austroads (2009). Pavement Design- A Guide to the Structural Design of Road Pavements. Austroads Guides AP-G17/04.
- Austroads (2009). Rural Road Design- A Guide to the Geometric Design of Rural Road. Austroads Guides AP-G1/03.
- AWC (Australian Wildlife Conservancy) (2005). Mornington Wildlife Sanctuary: measuring progress in saving the Kimberley's wildlife. *Wildlife Matters* **Dec 2005**, 8-10.
- AWC (Australian Wildlife Conservancy) (2009). Fire management for conservation. *Wildlife Matters* **Summer 2009/10,** 10-11.
- B3 Mining Services (2015). *Review of Spontaneous combustion Management at McArthur River Mine*. Report prepared for Pyramo Marianelli McArthur River Mining. Brisbane: B3 Mining Services, pp.1-33. **(Appendix AF)**.
- Baker, B.J. and J.M.L. Richardson (2006). The effect of artificial light on male breeding-season behaviour in green frogs, *Rana clamitans melanota*. *Canadian Journal of Zoology* **84**, 1528–1532.
- Ball J., Babister M., Nathan R., Weeks W., Weinmann E., Retallick M., Testoni I., (Editors) (2016) *Australian Rainfall and Runoff: A Guide to Flood Estimation*, Commonwealth of Australia.
- Bamford, M., D. Watkins, W. Bancroft, G. Tischler and J. Wahl (2008). Migratory Shorebird of the East Asian-Australasian Flyway: Population Estimates and Internationally Important Sites. Wetlands International – Oceania, Canberra.
- Barnard, H.G. (1914). Northern Territory birds. Emu. 14 (1): 39-57.
- Barrett, G., A. Silcocks, S. Barry, R. Cunningham and R. Poulter (2003). *The New Atlas of Australian Birds*. RAOU, Melbourne.
- Bayliss, P., S.M. Bellairs, J. Manning, K. Pfitzner, H. Smith, M.R. Gardener and G. Calvert (2006). The impact of uncontrolled weeds on the rehabilitation success of Nabarlek uranium mine in Arnhem Land, Northern Territory. 15th Australian Weeds Conference: Managing Weeds in a Changing Climate (Preston, C., J.H. Watts & N.D. Crossman) pp 305 – 308. Weed Management Society of South Australia.
- Begnaze (2005a). *Interim archaeological report for the McArthur River Mine Test Pit Project, NT*. A report for McArthur River Mine.

- Begnaze (2005b). Supplementary Archaeological and Historic Surveys for the Open Cut Pit Project McArthur River Mine, NT Draft Report. A report prepared for URS on behalf of McArthur River Mines. Prepared by Begnaze Pty. Ltd.
- Begnaze (2011c). *Environmental Impact Assessment McArthur River Mine Phase 3 Development Project*. Report on Archaeology and Historic Heritage. Prepared for MET Serve On behalf of Xstrata Zinc.
- Bellairs, S. (2009). Assessment of vegetation associated with the Barney Creek diversion. Charles Darwin University.
- Ben-Shlomo, R. and C. Kyriacou (2010). Light pulses administered during the circadian dark phase alter expression of cell cycle associated transcripts in mouse brain. *Cancer Genetics and Cytogenetics* **197**, 65--70.
- Boughton, W. and F. Chiew (2003). *Calibrations of the AWBM for use on ungauged catchments*. 1st ed. Clayton, Vic.: CRC for Catchment Hydrology.

Bradley, J. and Yanyuwa Families (2007). Barni-Wardimantha Awara Yanyuwa Sea Country Plan. Prepared on behalf of Yanyuwa Traditional Owners by the Mabunji Aboriginal Resource Association. [online] pp.1-60. Available at: https://www.environment.gov.au/indigenous/publications/pubs/yanyuwa.pdf [Accessed 21 Nov. 2016].

- Braithwaite, R.W. and A.D. Griffiths (1994). Demographic variation and range contraction in the northern quoll, *Dasyurus hallucatus* (Marsupialia: Dasyuridae). *Wildlife Research* **21**, 203-217.
- Brazill-Boast, J., S.R. Pryke and S.C. Griffith (2010). Nest-site utilisation and niche overlap in two sympatric, cavity-nesting finches. *Emu* **110**, 170-177.
- Brocklehurst, P., D. Lewis, D. Napier and D. Lynch (2007). Northern Territory Guidelines and Field Methodology for Vegetation Survey and Mapping. Technical Report No. 02/2007D. Department of Natural Resources, Environment and the Arts. Palmerston, Northern Territory.
- Booth, P (2011), Conceptual site model exercise, Environet 2011.
- Brooker, M.G. and M.G. Ridpath (1980). The diet of the Wedge-tailed Eagle, *Aquila audax*, in Western Australia. *Wildlife Research* 7, 433-452.
- Burbidge, A.A. and P.M. Johnson (2008). Spectacled Hare-wallaby Lagorchestes conspicillatus. pp 314-316 in: Van Dyck, S. and R. Strahan (eds) *The Mammals of Australia, Third Edition*. New Holland Publishers, Sydney.
- Burger, J. and M. Gochfield (1997). Risk, mercury levels, and birds: relating adverse laboratory effects to field biomonitoring. *Environmental Research* **75**, 160-172.
- Bushfires Management Act (1980). NT Government Legislation, 1980.
- Caballero, I. and Boland, K. (2016). *McArthur River Open Pit: 3D Hydrodynamic Modelling Run 04 20 Year Assessment*. Tropical Water Solutions, Woolner.
- Catling, P.C., N. Coops and R.J. Burt (2001). The distribution and abundance of ground-dwelling mammals in relation to time since wildfire and vegetation structure in south-eastern Australia. *Wildlife Research* **28**, 555-565.

- Chao, A. (1984). Non-parametric estimation of the number of classes in a population. *Scandinavian Journal of Statistics* **11**, 265-270.
- Chao, A. (1987). Estimating the population size for capture-recapture data with unequal catchability. *Biometrics* **43**, 783-791.
- Cheal, D. (2009). Twenty years of grazing reduction in semi-arid woodlands. *Pacific Conservation Biology* **15**, 268-277.
- Churchill, S., S. Jolly, S. Hand and D.J. Milne (2013). Orange Leaf-nosed Bat *Rhinonicteris aurantia*. In: Van Dyck, S., I. Gynther and A. Baker (eds). *Field Companion to the Mammals of Australia*. New Holland Publishers, Sydney.
- Churchill, S.K. (1991). Distribution, abundance and roost selection of the Orange Horseshoebat, *Rhinonycteris aurantius*, a tropical cave dweller. *Wildlife Research*. **18**, 343-353.
- COAG (Council of Australian Governments) (2016). *National Integrated Strategy for Closing the Gap in Indigenous Disadvantage* 2009. Canberra: Commonwealth of Australia, pp.3-44.
- Conrad, K., M. Warren, R. Fox, M. Parsons and I. Woiwod (2006). Rapid declines of common, widespread British moths provide evidence of an insect biodiversity crisis. *Biological Conservation* 132, 279–291.
- Control of Roads Act (1953). NT Government Legislation, 1953.
- Council of Australian Governments (2013). 'National Indigenous Reform Agreement', Commonwealth Government.
- Cowherd, C. Jr., M.A. Grelinger and D.L. Gebhart (2006). *Development of an emission reduction term for near-source depletion*. Unpublished report: U.S. Environmental Protection Agency: research Triangle Park, NC.
- Creative Territory (2017). Consultation Report. McArthur River Mining Overburden Management Project EIS. Darwin: Creative Territory, pp.1-43. **(Appendix Y)**
- Cristescu, R., C. Frère and P. Banks (2012). A review of fauna in mine rehabilitation in Australia: Current state and future directions. *Biological Conservation* **149**, 60-72.
- Crowley, G.M. and S.T. Garnett (2001). Growth, seed production and effect of defoliation in an early flowering perennial grass, *Alloteropsis semialata* (Poaceae), on Cape York Peninsula, Australia. *Australian Journal of Botany* **49**, 735-743.
- CSIRO (1976). A survey of the fauna of the lower McArthur River region, Northern Territory. Report prepared by the Commonwealth Scientific and Industrial Research Organisation, Division of Wildlife Research for MIMETS Development Pty Ltd.
- CSIRO (2015). Monsoonal North Cluster Report, Climate Change in Australia Projections for Australia's Natural Resource Management Regions: Cluster Reports, Commonwealth Scientific and Industrial Research Organisation (CSIRO), 2015.
- Cuff, N., T. Thompson, B. Sparrow and P. Brocklehurst (2009). *Vegetation Survey and Mapping of the McArthur River Catchment, Northern Territory.* Northern Territory Government, Technical Report No. 06/2009D.

- Czechura, G.V. and R.G. Hobson (2000). The Red Goshawk *Erythrotriorchis radiatus* in northern Queensland: status and distribution. Unpublished report to the Queensland National Parks and Wildlife Service.
- Dangerous Goods Act (1998). NT Government Legislation, 1998.
- Davies, T., J. Bennie and K. Gaston (2012). Street lighting changes the composition of invertebrate communities. *Biology Letters*, e20120216.
- DEEWR (Department of Education, Employment and Workplace Relations) (2014). '*Closing the Gap for Indigenous Australians – Northern Territory – Enhancing education'*, Department of Social Services.
- Department of Environment and Resource Management (2012). National recovery plan for the red goshawk *Erythrotriorchis radiatus*. Report to the Department of Sustainability, Environment, Water, Population and Communities, Canberra. Queensland Department of Environment and Resource Management, Brisbane.
- Department of Health (2014). *Code of practice for Small On-site Sewage and Sullage Treatment Systems and the Disposal or Reuse of Sewage Effluent.* Darwin: NT Government.
- Department of Housing and Community Development, Northern Territory Government (2015). 'Major Remote Towns'. Darwin: NT Government. viewed on 9 December 2016.
- Department of Housing and Community Services (2014). '*Major Remote Towns Brochure*'. Darwin: NT Government. Viewed on 9 December 2016.
- Department of Infrastructure (2016). *Construction Snapshot June 2016*. Darwin: Northern Territory Government, pp.1-46.
- Department of Local Government and Community Services (2016). *Stronger Futures*. [online] Available at: https://dlgcs.nt.gov.au/homelands-and-remote-communities/homelands/?a=152348 [Accessed 7 Nov. 2016].
- Department of Mines and Energy (2006). *Mine Close out Objectives Life of Mine Planning Objectives*. Darwin: Northern Territory Government.
- Department of Mines and Energy (2016). *Draft Guidelines for Mine Closure Plans*. Northern Territory Government.
- Department of Mines and Petroleum Environmental Protection Authority (2015). *Guidelines for Preparing Mine Closure Plans*. Perth: Government of Western Australia.
- Department of Natural Resources, Environment, The Arts and Sport (2010). Land Clearing Guidelines, Department of Natural Resources, Environment, The Arts and Sport, Darwin. Northern Territory
- Department of Primary Industry and Resources. (2016). *Authorised mining sites*. [online] Available at: https://dpir.nt.gov.au/mining-and-energy/mines-and-energy-publications-information-and-statistics/mining-environmental-reports [Accessed 9 Feb. 2017].
- Department of Social Services, Australian Government (2016). *National Partnership Agreement on Homelessness*. [online] Available at: https://www.dss.gov.au/housing-support/programmes-services/national-partnership-agreement-on-homelessness [Accessed 7 Nov. 2016].

- Department of Sustainability, Environment, Water, Population and Communities (2012). *Environment Protection and Biodiversity Conservation Act* 1999 *Environmental Offsets Policy*. Canberra: Australian Government.
- Department of Sustainability, Environment, Water, Population and Communities, (2011). Survey guidelines for Australia's threatened reptiles; Guidelines for detecting reptiles listen as threatened under the Environment Protection and Biodiversity Conservation Act 1999. Canberra: Commonwealth of Australia, pp.1-110.
- Department of Sustainability, Environment, Water, Population and Communities, (2011). *Survey guidelines for Australia's threatened mammals; Guidelines for detecting mammals listed as threatened under the Environment Protection and Biodiversity Conservation Act 1999*. Canberra: Commonwealth of Australia, pp.1-306.
- Department of Sustainability, Environment, Water, Population and Communities, (2011). Survey guidelines for Australia's threatened fish; Guidelines for detecting fish listed as threatened under the Environment Protection and Biodiversity Conservation Act 1999. Canberra: Commonwealth of Australia, pp.1-60.
- Department of the Environment (2015). *Sawfish and River Sharks; Multispecies Recovery Plan.* The Commonwealth of Australia. Accessed at: http://www.environment.gov.au/system/files/resources/062794ac-ef99-4fc8-8c18-6c3cd5f6fca2/files/sawfish-river-sharks-multispecies-recovery-plan.pdf
- Department of the Environment (2015a). Sawfish and River Sharks Multispecies Recovery Plan. Commonwealth of Australia, Canberra.
- Department of the Environment (2015b). Referral guideline for 14 birds listed as migratory species under the EPBC Act. Draft referral guideline published in September 2015 by the Australian Government, Canberra.
- Department of the Environment (2017). *Rhinonicteris aurantia* (Pilbara form), in Species Profile and Threats Database, Department of the Environment, Canberra. Available from: http://www.environment.gov.au/sprat. Accessed 20 Jan 2017.
- Department of the Environment (2017a). *Elseya lavarackorum* in Species Profile and Threats Database, Department of the Environment, Canberra. Available from: http://www.environment. gov.au/sprat. Accessed Fri, 6 Jan 2017.
- Department of the Environment (2017b). *Erythrura gouldiae* in Species Profile and Threats Database, Department of the Environment, Canberra. Available from: http://www.environment. gov.au/sprat. Accessed Mon, 6 Jan 2017.
- Department of the Environment (2017c). *Apus pacificus* in Species Profile and Threats Database, Department of the Environment, Canberra. Available from: http://www.environment. gov.au/sprat. Accessed Fri, 6 Jan 2017.
- Department of the Environment and Energy (2016). *National Greenhouse Accounts Factors Australian National Greenhouse Account*, Department of the Environment and Energy, August 2016.
- Department of the Environment, Water, Heritage and the Arts (2010). Survey guidelines for Australia's threatened birds: Guidelines for detecting birds listed as threatened under the *Environment Protection and Biodiversity Conservation Act 1999.* Commonwealth of Australia, Canberra.

- Department of the Environment, Water, Heritage and the Arts, (2010). *Survey guidelines for Australia's threatened bats; Guidelines for detecting bats listed as threatened under the Environment Protection and Biodiversity Conservation Act 1999.* Canberra: Commonwealth of Australia, pp.1-75.
- Department of the Environment, Water, Heritage and the Arts, (2010). *Survey guidelines for Australia's threatened birds; Guidelines for detecting birds listed as threatened under the Environment Protection and Biodiversity Conservation Act 1999.* Canberra: Commonwealth of Australia, pp.1-278.
- DEWHA (Department of the Environment, Water, heritage and the Arts) (2010). *Survey guidelines for Australia's threatened birds*. Australian Government, Canberra.
- Dietz, M.S., C.C. Murdock, L.M. Romero, A. Ozgul and J. Foufopoulos (2013). Distance to a road is associated with reproductive success and physiological stress response in a migratory landbird. *Wilson Journal of Ornithology* **125**, 50-61.
- DLRM (2010). Survey protocol for masked owls in the NT *Tyto novaehollandiae* (north Australian mainland subspecies, *T. n. kimberli* and Tiwi subspecies *T. n. melvillensis*). Northern Territory Government, Department of Land Resource Management, Darwin.
- Dostine, P.L., G.C. Johnson, D.C. Franklin, Y. Zhang and C. Hempel (2001). Seasonal use of savanna landscapes by the Gouldian finch, *Erythrura gouldiae*, in the Yinberrie Hills area, Northern Territory. *Wildlife Research* **28**, 445-458.
- Duff, G. and T. Orr (1992). Vegetation Survey of the McArthur River Mining Lease. Tropintel Environmental Consultants.
- EcoScience NT (2012). MRM Phase 3 Development Project Environmental Impact Statement, Terrestrial Flora. Report prepared for Xstrata Zinc, on behalf of MET Serve Pty Ltd.
- EcoStudy (1992). Terrestrial vertebrate fauna of the M.I.M. McArthur River Mine Project Area: results of the 1992 dry season survey. Report to Mount Isa Mining.
- EcoStudy (1992). Terrestrial vertebrate fauna of the M.I.M. McArthur River Mine Project area: results of the 1992 dry season survey.
- Eller, B.M. (1977). Road dust induces increase of leaf temperature. Environmental Pollution 137, 99-107.
- Ely, C.A. (1944). Development of Bufo marinus larvae in dilute sea water. Copeia 4, 256.
- EMS (2013). Gouldian finch (*Erythrura gouldiae*) preliminary assessment: TSF Cell4 McArthur River Mine, MT March-April 2013. E.M.S. Ecological Management Services, Coolum. Report to McArthur River Mining.
- EMS (2014). Gouldian finch monitoring, McArthur River Mine. E.M.S. Ecological Management Services, Coolum. Report to McArthur River Mining.
- EMS (2015). Gouldian finch monitoring, McArthur River Mine 2015. E.M.S. Ecological Management Services, Coolum. Report to McArthur River Mining.
- EMS (2016). McArthur River riparian bird monitoring, October-November 2016. E.M.S. Ecological Management Services, Coolum. Report to McArthur River Mining.
- EMS (20017). McArthur River Mine Overburden Management Project, Terrestrial Ecology. Report prepared for McArthur River Mining Pty. Ltd./ MET Serve Pty. Ltd. (Appendix X)

- Environment Australia (2001). *Australia-wide assessment of river health: Queensland AusRivAS sampling and processing manual.* Monitoring River Health Initiative Technical Report number 12.
- *Environment Protection and Biodiversity Conservation Act (1999).* Commonwealth Government Legislation, 1999.

Environmental Resources Management Australia (2015), *McArthur River Mine – expert review*. 27 Nov 2015

- ERA (1994). Riparian Vegetation Monitoring of the McArthur Project Area-Stage 1 Plot Establishment and Descriptions. ERA Environmental Services.
- ERA (1995). Riparian Vegetation Monitoring Stage 2 First Year Monitoring –1995 Wet Season. ERA Environmental Services.
- Eussen, D. (2009) Gouldian moments: fire and finches feature during Arnhem Land's first Bird Week. *Wingspan* March 2009, 44-46.
- Farley, G.J. (2007). Germination and dormancy of Australian native grass species used for minesite rehabilitation. PhD Thesis, School of Land, Crop and Food Sciences, University of Queensland.
- Farmer, A.M. (1993). The effects of dusts on vegetation a review. Environmental Pollution 79, 63-75.
- Fletcher, J. and R. Busnel (1978). Effects of noise on wildlife. 1st ed. New York: Academic Press.
- FSANZ (Food Standards Australia New Zealand) (2009). *User guides to the new food standards code.* Available from: http://www.foodstandards.gov.au/foodstandards/userguides/.
- Garnett, S., J. Szabo and G. Dutson (2011). *Action plan for Australian birds* 2010. CSIRO Publishing, Melbourne Australia.
- GHD (2016). *Tailings Storage Facility Design Development Life of Mine Plan*. Report prepared for McArthur River Mining. Brisbane: GHD, pp.1-481. (Appendix R).
- GHD (2016). *Tailings Deposition into Open Pit Consolidation Modelling and Deposition Concept*. Report prepared for McArthur River Mining. Brisbane: GDH, pp.1-21. (Appendix AC).
- GHD (2017). *Northern Overburden Emplacement Facility Seepage Mitigation Conceptual Designs*. Report prepared for McArthur River Mining. Brisbane: GHD, pp 1-38. (Appendix P).

Glencore. (2017). *Climate change*. [online] Available at: http://www.glencore.com/sustainability/climate-change/ [Accessed 11 Mar. 2017].

- Goldsim Techonology Group (2011). *Goldsim Version 11.1 User's Guide' Volumes 1 and 2*, Goldsim Technology Group, Issaquah, Washington USA, May 2014.
- Gould, S. F. (2011). Does post-mining rehabilitation restore habitat equivalent to that removed by mining? A case study from the monsoonal tropics of northern Australia. *Wildlife Research* 38, 482-490.
- Haglund, L. (1975). Survey of sites significant to Aborigines, McArthur river region, Northern Territory. Dames and Moore Job No. 7177-001-70, Brisbane.
- Hanley, R. (1993). Survey of Freshwater Macroinvertebrates and Fish of Ephemeral Creeks near the McArthur River Mine Site, Borroloola District. Northern Territory Museum Marine Ecology Technical Report 93/4, Darwin.

- Hargreaves, A.L., D.P. Whiteside and G. Gilchrist (2011). Concentrations of 17 elements, including mercury, in the tissues, food and abiotic environment of Arctic shorebirds. *Science of the Total Environment* 409, 3757-3770.
- Harrington, G., J. Perry, B. Forsyth and B. Venables (2009). A tale of two grasswrens. *Wingspan* **19**, 23-25.
- Harrington, G.N. and S.A. Murphy (2015). The distribution and conservation status of Carpentarian grasswrens (*Amytornis dorotheae*), with reference to prevailing fire patterns. *Pacific Conservation Biology* **21**, 291-297.
- Higgins, P.J. (ed.) (1999). Handbook of Australian, New Zealand and Antarctic Birds. Volume 4: Parrots to Dollarbird. Oxford University Press, Melbourne.
- Higgins, P.J., J.M. Peter and S.J. Cowling (ed.) (2006). *Handbook of Australian, New Zealand and Antarctic Birds. Volume 7: Boatbill to Starlings.* Oxford University Press, Melbourne.
- Higgins, P.J., J.M. Peter and W.K. Steele (ed.) (2001). *Handbook of Australian, New Zealand and Antarctic Birds. Volume 5: Tyrant-flycatchers to Chats.* Oxford University Press, Melbourne.
- Hill, D.A., K.N. Armstrong and P.A. Barden (2015). Preliminary assessment suggests that acoustic lures can increase capture rates of Australian echolocating bats. *Australian Mammalogy* **37**, 104-106.
- Hill, G.F. (1913). Ornithological notes, Barclay Expedition. Emu 12, 238–262.
- Hitchcock, D.R. (1975). Biogenic contributions to atmospheric sulphate levels. In: *Proceedings of the 2nd National Conference on Complete Water Re-use*. American Institute of Chemical Engineers, Chicago.
- Holland, C. (2013). '*Close the Gap Shadow Report*', Close the Gap Campaign Steering Committee, Australia.
- Hollingsworth Dames and Moore (1992). *McArthur River Project: Terrestrial and Aquatic Fauna Surveys*. Appendix 22.1 of the McArthur River Project Draft Environmental Impact Statement. Prepared for Mount Isa Mines.
- Holm, T.E., and K. Laursen (2011). Car traffic along hedgerows affects breeding success of Great Tits *Parus major. Bird Study* **58**, 512-515.
- Horppila, J., J. Ruuhijarvi, M. Rask Karppinen, C., K. and, M. Olin (2000). Seasonal changes in the diets and relative abundances of perch and roach in the littoral and pelagic zones of a large lake. *Journal of Fish Biology* **56**: 51-72.
- Hourigan, C. (2011). Ghost bat, *Macroderma gigas*. Targeted species survey guidelines. Queensland Herbarium, Department of Science, Information Technology and Innovation, Brisbane.
- Howell, J., A. Laskey and J. Tanner (1954). Bird mortality at airport ceilometers. *The Wilson Bulletin* **66**, 207--215.
- Huonbrook Environment and Heritage (2002). An Archaeological Investigation of the McArthur River Mine Expansion Area, Northern Territory. A report to MIM Holdings Ltd.
- INAP (International Network for Acid Prevention) (2009). Global Acid Rock Drainage Guide (GARD Guide). http://www.gardguide.com/.
- IECA (International Erosion Control Association (2008). Best Practice Erosion and Sediment control. [online] Available at: https://www.austieca.com.au/ [Accessed 4 Mar. 2017].

- IndoPacific Environmental, (2017). McArthur River Mine Overburden Management Project: Aquatic Fauna. Report prepared for McArthur River Mining. Perth: IndoPacific Environmental, pp.1-93.
 (Appendix W).
- Janecek, J. (1982). *Review of Geochemical Exploration 1956-1976, McArthur River Area.* Unpublished report, July 1982.
- Jeffree, R.A., S.J. Markich and J.R. Twining (2016). Diminished metal accumulation in riverine fishes exposed to acid mine drainage over five decades. *PLoS ONE* **9**, e91371.
- Kempenaers, B., P. Borgström, P. Loës, E. Schlicht and M. Valcu (2010). Artificial night lighting affects dawn song, extra-pair siring success, and lay date in songbirds. *Current Biology* **20**, 1735--1739.
- Kight, C.R., M.S. Saha and J.P. Swaddle (2012). Anthropogenic noise is associated with reductions in the productivity of breeding Eastern Bluebirds (*Sialia sialis*). *Ecological Applications* **22**, 1989-1996.
- Kirby, G., Morgan, D.L. and Thorburn, D.C. (2009). *Fitzroy River Barrage Fishway*. Report to Environs Kimberley.
- Klohn Crippen Berg, (2015). *McArthur River Mines EIS Support Waste Rock Geochemistry*. Report prepared for McArthur River Mining. Brisbane: Klohn Crippen Berg, pp.1-668. (Appendix M).
- Klohn Crippen Berg, (2017). *Groundwater Impact Assessment*. Report prepared for McArthur River Mining. Brisbane: Klohn Crippen Berg. (Appendix T).
- Klohn Crippen Berg, (2017). *McArthur River Mines EIS Support Waste Rock Kinetic Geochemical Testing*. Report prepared for McArthur River Mining. Brisbane: Klohn Crippen Berg, pp.1-264. (**Appendix L**).
- Kutt, A.S., E.P. Vanderduys, J.J. Perry, G.C. Perkins, J.E. Kemp, B.L. Bateman, J. Kanowski and R. Jensen (2012). Signals of change in tropical savanna woodland vertebrate fauna 5 years after cessation of livestock grazing. *Wildlife Research* **39**, 386-396.
- Kyne, P.M., J. Carlson and K. Smith (2013). *Pristis pristis*. The IUCN Red List of Threatened Species 2013: e.T18584848A18620395. http://dx.doi.org/10.2305/IUCN.UK.2013-1.RLTS.T18584848A186203 95.en
- Lamche, G. (2007). *The Darwin-Daly regional AUSRIVAS models Northern Territory: User Guide.* Department of Natural Resources, Environment and the Arts, Darwin.
- Lance, V.A., T.R. Horn, R.M. Elsey and A. de Peyster (2006). Chronic incidental lead ingestion in a group of captive-reared alligators (*Alligator mississippiensis*): possible contribution to reproductive failure. *Comparative Biochemistry and Physiology Part C* **142**, 30-35.

Lande, R. (1988). Genetics and demography in biological conservation. Science 241, 1455-1460.

- Langner, H.W., E. Greene, R. Domenech and M.F. Staats (2011). Mercury and other mining-related contaminants in ospreys along the Upper Clark Fork River, Montana, USA. *Archives of Environmental Contamination and Toxicology* **62**, 681-695.
- Legge, S., M.S. Kennedy, R. Lloyd, S.A. Murphy and A. Fisher (2011). Rapid recovery of mammal fauna in the central Kimberley, northern Australia, following the removal of introduced herbivores. *Austral Ecology* **36**, 791-799.

- LGANT (Local Government Association of the Northern Territory) (2016). *Airstrips*. [online] Available at: http://www.lgant.asn.au/policy-programs/infrastructure/airstrips [Accessed 12 Oct. 2016].
- Liggins, G.W. and G.C. Grigg (1985). Osmoregulation of the Cane Toad, *Bufo marinus*, in salt water. *Comparative Biochemistry and Physiology* **82A**, 613-619.
- Lindh, U. (2005). Biological functions of the elements. In: *Essentials of Medical Geology* O. Selinus, B. Alloway, J.A. Centeno, R.B. Finkelman, R. Fuge, U. Lindh and P. Smedley (eds). Elsevier Academic Press, Massachusetts pp. 115-160.
- Liquor Act (1978). NT Government Legislation, 1978.
- Lloyd, J. and Cook, S. (2002). Australia-Wide Assessment of River Health: Northern Territory AusRivAS Sampling and Processing Manual. Environment Australia, Canberra.
- Lloyd, P., M. Sanders, T. Reis and A. Abbott (2013). Targeted trapping surveys shed new light on the distribution and habitat characteristics of the Carpentarian pseudantechinus (*Pseudantechinus mimulus*), a threatened dasyurid marsupial. *Australian Mammalogy*, **35**, 220.
- Longcore, T., C. Rich, P. Mineau, B. MacDonald, D. Bert, L. Sullivan, E. Mutrie, S. Gauthreaux Jr, M. Avery, R. Crawford, A.M. Manville II, E.R. Travis and D. Drake (2012). An estimate of avian mortality at communication towers in the United States and Canada. *PLoS ONE* **7**, e34025.
- Lounsbury-Billie, M.J., G.M. Rand, Y. Cai and O.L. Bass Jr. (2008). Metal concentrations in osprey (*Pandion haliaetus*) populations in the Florida Bay estuary. *Ecotoxicology* **17**, 616-622.
- Lucia, M., P. Bocher, R.P. Cosson, C. Churlaud and P. Bustamante (2012). Evidence of species-specific detoxification processes for trace elements in shorebirds. *Ecotoxicology* **21**, 2349-2362.
- Marchant, S. and P.J. Higgins (eds) (1993). *Handbook of Australia, New Zealand and Antarctic Birds. Volume 2: Raptors to Lapwings.* Oxford University Press, Melbourne.
- Martin, K.C. and J.L. McKean (1986). A study of the distribution and status of the endangered Carpentarian Grasswren *Amytornis dorotheae*. Report to the Conservation Commission of the Northern Territory. Limosa Biological Consultants, Darwin.
- Masters, P. (1993). The effects of fire-driven succession and rainfall on small mammals in spinifex grassland at Uluru National Park, Northern Territory. *Wildlife Research* **20**, 803 813.
- McArthur River Mining (2015). *Surface Water Monitoring report* 2014-15. Report prepared by McArthur River Mining. Darwin: McArthur River Mining, 24 November 2015.
- McArthur River Mining (2016). *NOEF Historical Construction and Drilling Report*. Overburden Management EIS Program. Darwin: McArthur River Mining, pp.1-69. (Appendix H).
- McArthur River Mining (2017). *Borrow Pit Design Process Guidelines*. Report prepared for McArthur River Mine. Darwin: McArthur River Mining, pp.1-6. (Appendix AG).
- McArthur River Mining (2017). *MRM clay Borrow Areas*. Report prepared for McArthur River Mine. Darwin: McArthur River Mining, pp.1-67. **(Appendix AH)**.
- McArthur River Project Agreement Ratification Act (1992). NT Government Legislation, 1992.
- McClure, C.J.W., H.E. Ware, J. Carlisle, G. Kaltenecker and J.R. Barber (2013). An experimental investigation into the effects of traffic noise on distributions of birds: avoiding the phantom road. Proceedings of the Royal Society B **280**, article number 20132290.

- METServe (2012a). McArthur River Mine Phase 3 Development Project Draft Environmental Impact Statement. Mining and Energy Technical Services Pty Ltd, Brisbane. Report to McArthur River Mining.
- METServe (2012b). McArthur River Mine Phase 3 Development Project Supplementary Environmental Impact Statement. Mining and Energy Technical Services Pty Ltd, Brisbane. Report to McArthur River Mining.
- METServe (2012c). Vegetation survey of the proposed Irrigation Scheme, McArthur River Mine Extension. Mining and Energy Technical Services Pty Ltd, Brisbane. Report to McArthur River Mining.
- Midgley, S.H. (1975). *McArthur River Fish Survey*. Report prepared for Gunn Rural Management for Mount Isa Mines.
- Midgley, S.H. (1982). A Biological Resource Study of Freshwaters of the Lake Eyre Drainage, the Inland Drainage and the Gulf of Carpentaria Drainage. Report for NT Fishing Industry Research and Development Trust Fund.
- Miller, M.W. (2006). Apparent effects of light pollution on singing behaviour of American robins. *The Condor* **108**, 130–139.
- Milne, D. (2012). Threatened Species of the Northern Territory: Northern leaf-nosed bat *Hipposideros stenotis*. NT Government Threatened Species Information Sheet.
- Milne, D.J. F.C. Jackling, M. Sidhu and B.R. Appleton (2009). Shedding new light on old species identifications: morphological and genetic evidence suggests a need for conservation status review of the critically endangered bat, *Saccolaimus saccolaimus*. *Wildlife Research* **36**, 496-508.
- Mineral Loyalty Act (1982). NT Government Legislation, 1982.
- Mining Management Act (2001). Northern Territory Government, 2001.
- MOE (Ministry of the Environment) (2012). *Ontario's Ambient Air Quality Criteria*. Canada: Standards Development Branch Ontario Ministry of the Environment.
- Motor Vehicles Act (1949). NT Government Legislation, 1949.
- Murphy, S. (2011). Review of Environmental Impact Assessment and Management Recommendations for Gouldian Finches at the Proposed Weaber Plains Development Area, Western Australia.
 Report prepared for the Department of Sustainability, Environment, Water, Population and Communities. July 2011.
- Musick, J.A., M.M. Harbin, S.A. Berkeley, G.H. Burgess, A.M. Eklund, L. Findley, R.G. Gilmore, J.T. Golden, D.S. Ha, G.R. Huntsman, J.C. McGovern, S.J. Parker, S.G. Poss, E. Sala, T.W. Schmidt, G.R. Sedberry, H. Weeks and S.G.Wright (2000). Marine, estuarine, and diadromous fish stocks at risk of extinction in North America. *Fisheries* 25, 6-30.
- National Australia Bank (2016). *State Update: Northern Territory January 2016*. Darwin: NAB Group Economics, pp.1-5.

National Environment Protection Council (1994). NT Government Legislation, 1994.

- National Occupational Health and Safety Commission (1990). *National Standard for Manual Handling*. Commonwealth of Australia standard NOHSC:1001(1990). Available at: http://www.safeworkaustralia.gov.au/sites/swa/about/publications/Documents/358/manualhandling_standardNOHSC1001_1990.pdf
- National Occupational Health and Safety Commission (1990). *National Code of Practice for Manual Handling*. Commonwealth of Australia standard NOHSC:2005(1990). Available at: http://www.safeworkaustralia.gov.au/sites/swa/about/publications/Documents/358/manualhandli ng_standardNOHSC1001_1990.pdf
- National Occupational Health and Safety Commission (1994). *National Standard for the Control of Inorganic Lead at Work*. Commonwealth of Australia standard NOHSC: 1012 (1994). Available at: http://www.safeworkaustralia.gov.au/sites/swa/about/publications/Documents/265/NationalStan dard_ControlOfInorganicLeadAtWork_NOHSC1012-1994_PDF.pdf
- National Occupational Health and Safety Commission (1994). *National Code of Practice for the Control and Safe Use of Inorganic Lead at Work.* Commonwealth of Australia standard NOHSC: 2015 (1994). Available at:

http://www.safeworkaustralia.gov.au/sites/swa/about/publications/Documents/265/NationalStan dard_ControlOfInorganicLeadAtWork_NOHSC1012-1994_PDF.pdf

- National Occupational Health and Safety Commission (2000). *National Standard for Occupational Noise*. Commonwealth of Australia standard NOHSC: 1007 (2000). 2nd ed. Available at: http://www.safeworkaustralia.gov.au/sites/swa/about/publications/Documents/278/NationalStan dardForOccupationalNoise_NOHSC1007-2000_PDF.pdf
- National Occupational Health and Safety Commission (2001). National Occupational Health and Safety Certification Standard for Users and Operators of Industrial Equipment. Commonwealth of Australia standard NOHSC: 1006 (2001). 3rd ed. Available at: http://www.safeworkaustralia.gov.au/sites/SWA/about/Publications/Documents/269/NationalOcc upationalHealthAndSafetyCertificationStandard_UsersAndOperators_IndustrialEquipment_3rdE dition_NOHSC1006-2001_PDF.pdf
- National Occupational Health and Safety Commission (2001). *National Standard for Storage and Handling of Workplace Dangerous Goods.* Commonwealth of Australia standard NOHSC: 1015 (2001). Available at:

http://www.safeworkaustralia.gov.au/sites/SWA/about/Publications/Documents/248/NationalStandard_StorageHandling_WorkplaceDangerousGoods_NOHSC-10152001_PDF.pdf

- National Occupational Health and Safety Commission (2002). *National Standard for Control of Major Hazard Facilities*. Commonwealth of Australia standard NOHSC: 1014 (2002). Available at: http://www.safeworkaustralia.gov.au/sites/swa/about/publications/Documents/271/NationalStan dard_ControlMajorHazardFacilities_NOHSC_1014-2002_PDF.pdf
- National Occupational Health and Safety Commission (2016). *National Code of Practice for Control of Major Hazard Facilities*. Commonwealth of Australia standard NOHSC: 2016 (1996). Available at: http://www.safeworkaustralia.gov.au/sites/swa/about/publications/Documents/271/NationalStan dard_ControlMajorHazardFacilities_NOHSC_1014-2002_PDF.pdf
- National Pollutant Inventory (2011). Department of Environment and Heritage Emission Estimation Technique Manual for Mining (Version 3.0). Available at www.npi.gov.au

Native Title Act (1993). Commonwealth Government Legislation, 1993.

- NEPC (2002). National Environment Protection (Ambient Air Quality) Measure Technical Paper No. 8 Annual Reports, prepared by the Peer Review Committee, National Environment Protection Council (NEPC), October 2002.
- Nordmyr, L., P. Österholm and M. Åström (2008). Estuarine behaviour of metal loads leached from coastal lowland acid sulphate soils. *Marine Environmental Research* **66**, 378-393.
- Northern Territory Aboriginal Sacred Sites Act (1989). NT Government Legislation, 1989.
- Northern Territory Department of Education (2015). *Annual Report*. Darwin: Department of Education, pp.1-126.
- Northern Territory Environmental Protection Authority Act (2012). NT Government Legislation, 2012.
- Northern Territory Government (2013). Northern Territory Land Suitability Guidelines. Darwin Australia.
- Northern Territory Government, (2014). Budget Strategy and Outlook. Darwin: Northern Territory
- Government, pp.1-112.Northern Territory Government (2015). *A share in the future Indigenous Education Strategy* 2015-2024. Darwin: Northern Territory Government, pp.1-12.
- Northern Territory Government (2016). *Budget 2016-17 Northern Territory Economy Overview*. Darwin: Northern Territory Government, pp.1-22.
- Northern Territory Government Department of Health (2015). *Top End Health Service Service Delivery Agreement* 2015/16. Darwin: Northern Territory Government, pp.1-30.
- Northern Territory Herbarium (2013). FloraNT Northern Territory flora online. Department of Land Resource Management. Available at: http://eflora.nt.gov.au/
- NSW EPA (New South Wales Environment Protection Authority) (2000). *Approved Methods for the Modelling and Assessment of Air Pollutants in New South Wales*. Sydney: Department of Environment and Conservation.
- NT EPA (Northern Territory Environment Protection Authority) (2014). *Terms of Reference for the Preparation of an Environmental Impact Statement - McArthur River Mine - Overburden Management Project.* Darwin: Northern Territory Environment Protection Authority, pp.1-24.
- NT EPA (2013). *Guideline for the Preparation of an Economic and Social Impact Assessment*. Darwin: NT Environment Protection Authority, pp.1-6.
- NT EPA (2013). *Guidelines for Assessment of Impacts on Terrestrial Biodiversity, Version* 2.0. Darwin: NT Environment Protection Authority.
- NT EPA (2013). *Environmental Assessment Guidelines Acid and metalliferous drainage*. Darwin: NT Environment Protection Authority, pp.1-9.
- NT EPA (2013). *Guidelines for Assessment of Impacts on Terrestrial Biodiversity*. Darwin: NT Environment Protection Authority, pp.1-12.
- NT EPA (2013). *Guidelines on Environmental Offsets and Associated Approval Conditions*. Darwin: NT Environment Protection Authority, pp.1-5.
- NT EPA (2013). *Guidelines on Conceptual Site Models*. Darwin: NT Environment Protection Authority, pp.1-12.

- NT EPA (2013). *Guidelines on Mixing Zones*. Darwin: Northern Territory Environment Protection Authority, pp.1-11.
- NT EPA (2015). *Guideline for the Preparation of an Environmental Management Plan*. Darwin: NT Environment Protection Authority, pp.1-14.
- NWQMS (1998). *National Water Quality Management Strategy: Implementation Guidelines*. Agriculture and Resource Management Council of Australia and New Zealand, and the Australian and New Zealand Environment and Conservation Council. Canberra: Commonwealth of Australia.
- O'Malley, C. (2006). National Recovery Plan for the Gouldian Finch (*Erythrura gouldiae*). WF Australia, Sydney and Parks and Wildlife NT, Department of Natural Resources, Environment and the Arts, NT Government, Palmerston.
- Oakwood, M. (2002). Spatial and social organization of a carnivorous marsupial, *Dasyurus hallucatus*. *Journal of Zoology, London*. **257**, 237-248.
- O'Kane Consultants, (2016). *McArthur River Mine May 2016- Failure Modes and Effects Analysis Workshop Summary Report*. Report produced for McArthur River Mining. Brisbane: O'Kane Consultants, pp.1-72. (Appendix F).
- O'Kane Consultants, (2016). *McArthur River Mine Summary of the March 2016 Conceptual Model Workshop to Support Closure Planning*. Report prepared for Glencore McArthur River Mine. Brisbane: O'Kane Consultants, pp.1-132. (Appendix E).
- O'Kane Consultants, (2016). McArthur River Mining Erosion Assessment for OEF Landform Configurations. Report prepared for McArthur River Mining. Brisbane: O'Kane Consultants, pp.1-99. (Appendix K).
- O'Kane Consultants, (2016). *NOEF Assessment for Waste Placement, Footprint Seepage, and Water Quality in Support of the EIS Submission*. Report prepared for McArthur River Mining. Brisbane: O'Kane Consultants, pp.1-384. (Appendix P).
- O'Kane Consultants, (2016). *NOEF Cover System and Landform Design in Support of EIS Submission*. Report prepared for McArthur River Mining. Brisbane: O'Kane Consultants, pp.1-388. **(Appendix J)**.
- O'Kane Consultants (2016). *McArthur River Mining Sediment Dam and Stilling Basin Design*. Report prepared for McArthur River Mining. Brisbane: O'Kane Consultants, pp.1-4. (Appendix AD).
- O'Kane Consultants, (2017). 7.5 *m* Waste Deposition Assessment in Support of the EIS Submissions. Prepared for McArthur River Mining. Brisbane: O'Kane Consultants, pp.1-29. (Appendix I).
- O'Kane Consultants, (2017). *NOEF Closure Monitoring System in Support of the EIS Submission*. Report prepared for McArthur River Mining. Brisbane: O'Kane Consultants, pp.1-44. (Appendix O).
- Operational Risk Mentoring, (2017). Environmental Risk Assessment Report McArthur River Mining (MRM) Overburden Management Project (OMP) – Consolidating Environmental Risk Assessment (ERA) Report. Report prepared for McArthur River Mining. Dubbo: Operational Risk Mentoring, pp.1-78. (Appendix G).
- Orr, D.M. and P.J.O. Reagain (2011). Managing for rainfall variability: impacts of grazing strategies on perennial grass dynamics in a dry tropical savanna. *The Rangeland Journal* **33**, 209-220.

- Pando Australia (2016). *Preliminary Geotechnical Assessment NOEF, IPD and final pit limit stability McArthur River Mine EIS*. Report prepared for McArthur River Mining. Brisbane: Pando Australia, pp.1-57. (Appendix N).
- Perry, J. (2005). Status and habitat characteristics of the endangered Carpentarian Grasswren (*Amytornis dorotheae*) in the Northern Territory. Masters of Tropical Environment Management Thesis, Charles Darwin University, Darwin.
- Perry, J., A. Fisher and C. Palmer (2011). Status and habitat of the Carpentarian Grasswren (*Amytornis dorotheae*) in the Northern Territory. *Emu* **111**, 155-161.
- Peverell, S. C. (2009). *Sawfish (Pristidae) of the Gulf of Carpentaria, Queensland, Australia.* MSc Thesis. James Cook University.
- Phillips, B.L., G.P. Brown and R. Shine (2003). Assessing the potential impact of cane toads on Australian snakes. *Conservation Biology* **17**, 1738-1747.
- Phillips, N. (2012). *Conservation genetics of Pristis sawfishes in Australian waters*. PhD Thesis. Murdoch University.
- Phillips, N.M., J.A. Chaplin, D.L. Morgan and S.C. Peverell (2011). Population genetic structure and genetic diversity of three critically endangered *Pristis* sawfishes in Australian waters. *Marine Biology* 158, 903–915.
- Planning Act (1999). NT Government Legislation, 1999.
- Pollock, C. (2012). Basic Information Sheet: Finch. LafeberVet database. http://lafeber.com/vet/basicinformation-sheet-for-the-finch/. Accessed on 11 January 2017.
- Poot, H., B. Ens, H. de Vries, M. Donners, M. Wernand and J. Marquenie (2008). Green light for nocturnally migrating birds. *Ecology and Society* 13, 47 (online) at *http://www.ecologyandsociety.* org/vol13/iss2/art47/.
- Price, J. (2010). Recovery of understorey vegetation after release from a long history of sheep grazing in a herb-rich woodland. *Austral Ecology* **35**, 505-514.
- Pryke, S.R. (2010). Ord Irrigation Expansion: Stage Two. Gouldian Finch: Preliminary Survey and Recommendations. Report by Macquarie University and Save the Gouldian Fund.
- Pryke, S.R. (2011). Ord-East Kimberley Expansion Project Weaber Plain Development Area: Gouldian Finch Breeding Assessment. Report by Macquarie University and Save the Gouldian Fund.
- Pryke, S.R. (2012). Ord River Irrigation Area Weaber Plain Development Project: Gouldian Finch Breeding Surveys. Report prepared for Ord-East Kimberley Expansion Project, The Department of Regional Development and Lands by Save the Gouldian Fund.
- Public and Environmental Health Act (2011). NT Government Legislation 2011.
- Puschner, B. and R.H. Poppenga (2009). Lead and zinc intoxication in companion birds. *Compendium: Continuing Education for Veterinarians* **31**, E1-E12.
- Pusey, B.J. and A.H. Arthington (2003). Importance of the riparian zone to the conservation and management of freshwater fish: a review. *Marine and Freshwater Research* **54**: 1-16.

- Remote Area Health Corps (2010). *Community Profile Borroloola*. [online] Available at: http://www.rahc.com.au/sites/default/files/documents/community_profiles/Borroloola%20Comm unity%20Profile.pdf [Accessed 1 Nov. 2016].
- RGRC (Roper Gulf Regional Council) (2015). 'Our Council's Story', viewed on 13 December 2014, http://ropergulf.nt.gov.au/our-councils-story.
- RGRC (Roper Gulf Regional Council) (2016). Borroloola | RoperGulf Regional Council. [online] Available at: http://ropergulf.nt.gov.au/our-communities/borroloola/ [Accessed 11 Oct. 2016].
- Robinson, A.C. and N.K. Cooper (2013). Western Chestnut Mouse *Pseudomys nanus*. In: Van Dyck S., I. Gynther and A. Baker (eds). *Field Companion to the Mammals of Australia*. New Holland Publishers, Sydney.
- Roman, A., P. Cinzano, G.M. Giacometti, P. Giulini (2000). Light pollution and possible effects on higher plants. *Memoirs of the Societá Astronomica Italiana* **71**, 59-69.
- Roper Gulf Regional Council (2014). Roper Gulf Regional Council Annual Report 2013-2014, Roper Gulf Regional Council.
- Rotics, S., T. Dayan, O. Levy and N. Kronfeld-Schor (2011). Light masking in the field: an experiment with nocturnal and diurnal spiny mice under semi-natural field conditions. *Chronobiology International* **28**, 70--75.
- Rowland, J. (2012). Painted honeyeater, *Grantiella picta*. Targeted species survey guidelines. Queensland Herbarium, Department of Science, Information Technology and Innovation, Brisbane.
- RPS (2013). *McArthur River Mine, Deep Groundwater Investigation*. Report prepared for Xstrata Zinc, 8 April 2013.
- Rutqvist, J. and O. Stephansson (2003). The Role of Hydromechanical Coupling in Fractured Rock Engineering. *Hydrogeology Journal*, **11**, 7-40.
- Safe Work Australia (2011). *Hazardous Substances Information System Database*. Available at http://hsis.safeworkaustralia.gov.au/

Salmon, M., M.G. Tolbert, D.P. Painter, M. Goff and R. Reiners (1995). Behavior of loggerhead sea turtles on an urban beach. 2. Hatchling orientation. *Journal of Herpetology* **29**, 568-576.

- Schulz, M. and B. Thomson (2007). National recovery plan for the bare-rumped sheathtail bat Saccolaimus saccolaimus nudicluniatus. Report to the Department of the Environment and Water Resouces, Canberra. Queensland Parks and Wildlife Service, Brisbane.
- Scott, R.M. and J.G. Speight (1966). McArthur River Land System Survey. CSIRO Division of Land Research, Canberra. Technical Memorandum 66/10.
- Shaffer, M. L. (1981). Minimum population sizes for species conservation. BioScience 31, 131-134.
- Shea, G.M. and J.D. Scanlon (2007). Revision of the small tropical whipsnakes previously referred to Demansia olivacea (Gray, 1842) and Demansia torquata (Günther, 1862) (Squamata: Elapidae). Records of the Australian Museum 59, 117-142.

- Shedley, D. (2012). Ord Irrigation Area Fauna Habitat Mapping Project: Assessment and mapping of suitable habitat for four threatened fauna species (Northern Crested Shrike-tit, Red Goshawk, Gouldian Finch and Northern Quoll). Report by Department of Environment and Conservation, Kununurra, Western Australia, August 2012.
- Shine, R. (2010). The ecological impact of invasive cane toads (*Bufo marinus*) in Australia. *The Quarterly Review of Biology* **85**, 253-291.
- Simpfendorfer, C.A. (2000). Predicting recovery rates for endangered western Atlantic sawfishes using demographic analysis. *Environmental Biology of Fishes* **58**,371-377
- Smith, J.W. (1972). *Bauhinia Downs, Northern Territory:* 1:250,000 *Geological Series -Explanatory Notes. SE5303.* Bureau of Mineral Resources, Geology and Geophysics, Canberra.
- Soil Conservation and Land Utilisation Act (1980). NT Government Legislation, 1980.
- Stahl, J.L., J.L. Greger and M.E. Cook (1989). Zinc, copper and iron utilisation by chicks fed various concentrations of zinc. *British Poultry Science* **30**, 123-134.
- Stokes, C. (1992). An Archaeological Survey of Proposed Facilities Associated with the McArthur River Minesite, Northern Territory. An unpublished report to Hollingsworth Dames & Moore.
- Storey, A.W. and S. Creagh (2014). The functional habitat concept does apply to fish assemblages of the regulated Lower Ord River, Western Australia. *Journal of the Royal Society of Western Australia* 97, 389-407.
- Storr, G.M. (1977). *Birds of the Northern Territory*. Special Publication no. 7. Western Australian Museum: Perth.
- TAS (Todoroski Air Sciences) (2016). *Environmental Report Air Quality Audit Program*, Prepared for McArthur River Mine by Todoroski Air Sciences, 26 April 2016.
- Territory Parks and Wildlife Conservation Act (2000). NT Government Legislation, 2000.
- Thompson, J.R., P.W. Mueller, W. Flückiger and A.J. Rutter (1984). The effect of dust on photosynthesis and its significance for roadside plants. *Environmental Pollution Series A, Ecological and Biological* **34**, 171-190.
- Thorburn, D., D. Morgan, A. Rowland and, H. Gill (2007). Freshwater Sawfish *Pristis microdon* Latham, 1794 (Chondrichthyes: Pristidae) in the Kimberley Region of Western Australia. *Zootaxa* 1471, 27-41.
- Thorburn, D., D. Morgan, H. Gill, M. Johnson, H. Wallace-Smith, T. Vigilante, A. Gorring, I. Croft, and J. Fenton (2004). *Biology and Cultural Significance of the Freshwater Sawfish (Pristis microdon) in the Fitzroy River Kimberley, Western Australia*. Report to Threatened Species Network.
- Thorburn, D.C., S. Peverell, J. D. Stevens, P. R. Last and A.J. Rowland (2003). *Status of Freshwater and Estuarine Elasmobranchs in Northern Australia*. Report to Natural Heritage Trust.
- Tidemann, C.R., D.M. Priddel, J.E. Nelson and J.D. Pettigrew (1985). Foraging behaviour of the Australian Ghost Bat, *Macroderma gigas* (Microchiroptera: Megadermatidae). *Australian Journal of Zoology* 33, 705-713.
- Tidemann, S.C., C. Lawson, R. Elvish, J. Boyden and J. Elvish (1999). Breeding biology of the Gouldian Finch *Erythrura gouldiae*, an endangered finch of northern Australia. *Emu* **99**, 191-199.

- Tidemann, S.C., J. Boyden, R. Elvish, J. Elvish and B. O'Gorman (1992). Comparison of the breeding sites and habitat of two hole-nesting Estrildid finches, one endangered, in northern Australia. *Journal of Tropical Ecology* **8**, 373-388.
- Tiwary, A., H.P. Morvan and J.J. Colls (2005). Modelling the size-dependent collection efficiency of hedgerows for ambient aerosols. *Journal of Aerosol Science* **37**, 990-1015.
- Todoroski (2017). *Air Quality Impact and Greenhouse Gas Assessment McArthur River Mine*, Todoroski Air Sciences, January 2017. (Appendix AA).
- Traffic Act (1987), NT Government Legislation, 1989.
- *Transport of Dangerous Goods by Road and Rail (National Uniform Legislation) Act (2010).* NT Government Legislation, 2010.
- Tropical Water Solutions, (2016). *McArthur River open pit: 3D Hydrodynamic modelling Run 04-20 year assessment*. Report prepared for McArthur River Mining. Darwin: Tropical Water Solutions, pp.1-22. (Appendix T).
- TSSC (Threatened Species Scientific Committee) (2009). Invasion of northern Australia by Gamba Grass and other introduced grasses. Advice to the Minister for the Environment, Water, Heritage and the Arts from the Threatened Species Scientific Committee on Amendments to the List of Key Threatening Processes under the *Environment Protection and Biodiversity Conservation Act* 1999. 6 September 2009.
- TSSC (Threatened Species Scientific Committee) (2012). *Acanthophis hawkei* (plans death adder) Listing Advice. Advice to the Minister for Sustainability, Environment, Water, Population and Communities on Amendment to the list of Threatened Species under the *Environment Protection and Biodiversity Conservation Act 1999*. 29 August 2011.
- Tyler, M.J. (1992) Frogs McArthur River project. Report to Hollingsworth Dames & Moore.
- Ujvari, B., M. Oakwood and T. Madsen (2013). Queensland northern quolls are not immune to cane toad toxin. *Wildlife Research* **40**, 228-231.
- United Nations Development Programme (2015). *Human Development Report 2015*. Global human Development Reports. [online] United Nations Development Programme, pp.206-208. Available at: http://hdr.undp.org/sites/default/files/2015_human_development_report.pdf [Accessed 22 Nov. 2016].
- URS (2003). Riparian Vegetation Monitoring—Report on results of 3 years monitoring survey prepared for McArthur River Mining.
- URS (2005). McArthur River Mine Open Cut Project Draft Environmental Impact Statement Section 13 Biology. Unpublished report to Mount Isa Mining.
- URS (2005a). MRM Expansion EIS Groundwater Investigations to Determine the Potential Impacts of Dewatering. Report prepared for Xstrata PLC, 29 April 2005.
- URS (2006). Simulation of Proposed Tailings Storage Facility to Assess Potential Seepage Impacts, McArthur River Mine. Report prepared for Xstrata Plc, 20 June 2006.
- URS (2007). Biodiversity Offset for the McArthur River Open Cut Project: Carpentarian Grasswren Surveys. Report prepared for Xstrata Zinc by URS Australia Pty Ltd.

- URS (2012a). McArthur River Mine Phase 3 Development Project Terrestrial and Aquatic Fauna. Report prepared for McArthur River Mining on behalf of Mining and Energy Technical Services Pty. Ltd.
- URS (2012b). *MRM Phase 3 Development Project EIS Groundwater*. Report prepared for Mining and Energy Technical Services, 16 January 2012.
- US EPA (United States Environmental Protection Agency) (1985). *Compilation of Air Pollutant Emission Factors*", AP-42, Fourth Edition United States Environmental Protection Agency, Office of Air and Radiation Office of Air Quality Planning and Standards, Research Triangle Park, North Carolina 27711.
- Validation (Native Title) Act (1999). NT Government Legislation, 1999.
- Van der Merwe, D., J.W. Carpenter, J.C. Nietfeld and J.F. Miesner (2011). Adverse health effects in Canada Geese (*Branta canadensis*) associated with waste from zinc and lead mines in the Tri-state Mining District (Kansas, Oklahoma, and Missouri, USA). *Journal of Wildlife Diseases* **47**, 650-660.
- Wang, N., J.E. Barrett, C. Bartuska, T.A. Nell, R.K. Schoelhorn and P.E. Hamilton (2003). Effects of low light levels during the dark period on flower development in *Euphorbia pulcherrima*. *Acta Horticulturae* **624**, 185-190.
- Ward, S. (2010). Survey protocol for masked owls in the NT *Tyto novaehollandiae* (north Australian mainland subspecies *T. n. kimberli* and Tiwi subspecies *T. n. melvillensis*). Darwin, Northern Territory: Department of Natural Resources, Environment, the Arts and Sport.
- Ward, S. (2012). Threatened Species of the Northern Territory: Painted Honeyeater Grantiella picta. Species profile prepared by the Department of Environment and Natural Resources, Darwin. Accessed 17/02/2017 at: https://nt.gov.au/__data/assets/pdf_file/0009/373554/paintedhoneyeater.pdf
- Ward, S. and B. Phillips (2012). Threatened Species of the Northern Territory: Plains Death Adder Acanthopsis hawkeie. Species profile prepared by the Department of Environment and Natural Resources, Darwin. Accessed 17/02/2017 at: https://nt.gov.au/__data/assets/pdf_file/0014/206402/plains-death-adder.pdf
- Ward, S. and J. Woinarski (2016). Threatened Species of the Northern Territory: Carpentarian Grasswren *Amytornis dorotheae*. Species profile prepared by the Department of Environment and Natural Resources, Darwin.
- Ward, S., J. Woinarski, T. Griffiths and L. McKay (2012). Threatened Species of the Northern Territory: Mertens' Water Monitor *Varanus mertensi*. NT Government Threatened Species Information Sheet.
- Warner, J.K., X. Combrink, J.G. Myburgh and C.T. Downs (2016). Blood lead concentrations in freeranging Nile crocodiles (*Crocodylus niloticus*) from South Africa. *Ecotoxicology* **25**, 950-958.
- Waste Management and Pollution Control Act (1999). NT Government Legislation, 1999.
- Water Supply and Sewerage Services Act (2001). NT Government Legislation, 2001.
- Weeds Management Act (2001). NT Government Legislation, 2001.
- Weeds Management Act 2001. NT Government Legislation, 2001.
- Welch, B.L. and A.S. Welch (1970). Physiological effects of noise. Plenum Press, New York.

- Whitty, J.M., D.L. Morgan, D.C. Thorburn, T. Fazeldean & S.C. Peverell (2008). Tracking the movements of Freshwater Sawfish (Pristis microdon) and Northern River Sharks (Glyphis sp. C) in the Fitzroy River. Whitty, J.M., N.M. Phillips, D.L. Morgan, J.A. Chaplin, D.C. Thorburn & S.C. Peverell, eds. *Habitat associations of Freshwater Sawfish (Pristis microdon) and Northern River Sharks (Glyphis sp. C): including genetic analysis of P. microdon across northern Australia.* Centre for Fish & Fisheries Research (Murdoch University) report to the Department of the Environment, Water, Heritage and the Arts, Australian Government. Available from: https://www.environment.gov.au/system/files/resources/297f44ff-ddc6-4ea2-9087-c8dac1e109d7/files/freshwater-sawfish-northern-river-shark.pdf
- Williams, N (1978). Studies of the base metal sulfide deposits at McArthur River, Northern Territory, Australia; II, The sulfide-S and organic-C relationships of the concordant deposits and their significance. *Economic Geology*, 73(6), pp.1036-1056.
- Wilson B.A., P.S. Brocklehurst, M.J. Clark and K.J.M. Dickinson (1990). *Vegetation Survey of the Northern Territory, Australia. Technical report no.* 49, Conservation Commission of the Northern Territory, Darwin.
- Wilson, B. (2014). 'A Share in the Future: Review of Indigenous Education in the Northern Territory, DEEWR, Northern Territory'.
- Woinarski, J.C.Z. (2004a). National Multi-species Recovery plan for the Partridge Pigeon [eastern subspecies] *Geophaps smithii smithii*, Crested Shrike-tit [northern (sub)species] *Falcunculus* (*frontatus*) *whitei*, Masked Owl [north Australian mainland subspecies] *Tyto novaehollandiae kimberli*; and Masked Owl [Tiwi Islands subspecies] *Tyto novaehollandiae melvillensis*, 2004-2009. Northern Territory Department of Infrastructure Planning and Environment, Darwin.
- Woinarski, J.C.Z. (2004b). National Multi-species Recovery Plan for the Carpentarian Antechinus *Pseudantechinus mimulus*, Butler's Dunnart *Sminthopsis butleri* and Northern Hopping-mouse *Notomys aquilo*, 2004 - 2009. Northern Territory Department of Infrastructure Planning and Environment, Darwin.
- Woinarski, J.C.Z. and S. Tidemann (1992). Survivorship and some population parameters for the endangered Gouldian Finch *Erythrura gouldiae* and two other finch species at two sites in tropical northern Australia. *Emu* **92**, 33-38.
- Woinarski, J.C.Z., M. Armstrong, O. Price, J. McCartney, A.D. Griffiths, and A. Fischer (2004a). The terrestrial vertebrate fauna of Litchfield National Park, Northern Territory: monitoring over a 6-year period and response to fire history. *Wildlife Research* **31**, 587-596.
- Woinarski, J.C.Z., J. Risler and L. Kean (2004b). Response of vegetation and vertebrate fauna to 23 years of fire exclusion in a tropical *Eucalyptus* open forest, Northern Territory, Australia. *Austral Ecology* **2004**, 156-176.
- Woinarski, J.C.Z., M. Oakwood, J. Winter, S. Burnett, D. Milne, P. Foster, H. Myles and B. Holmes (2008). Surviving the toads: patterns of persistence of the northern quoll *Dasyurus hallucatus* in Queensland. Report submitted to the Australian Government's Natural Heritage Trust, March 2008.
- Woinarski, J.C.Z., S. Ward, T. Mahney, J. Bradley, K. Brennan, M. Ziembicki and A. Fisher (2011). The mammal fauna of the Sir Edward Pellew island group, Northern Territory, Australia: refuge and death-trap. *Wildlife Research* **38**, 307-322.

- Wood, B., D. Sivertsen and C. Olsen (1981). Land Systems of the Upper McArthur River Catchment. Land Conservation Unit, Conservation Commission of the Northern Territory.
- Work Health and Safety (National Uniform Legislation) Act (2012). NT Government Legislation, 2012.
- World Health Organization (2003). Zinc in Drinking-water. Background document for development of WHO Guidelines for Drinking-water Quality.
- World Health Organization (2004). Sulfate in Drinking-water. Background document for development of WHO Guidelines for Drinking-water Quality.
- WRM Water and Environment (2017). *Approach for Assessing climate Change Impacts for the MRM OMP EIS*. Report prepared for McArthur River Mining. Brisbane: WRM Water & Environment, pp.1-21. (Appendix D).
- WRM Water and Environment (2017). Surface water impact assessment for the McArthur River Mine Overburden Management Project Environmental Impact Statement. Report prepared for METServe on behalf of McArthur River Mining. Brisbane: WRM Water and Environment, pp.1-443. (Appendix U)
- Zhu, D., H.D. Kuhns, J.A. Gillies, V. Etyemezian, A.W. Gertler and S. Brown (2010). Inferring deposition velocities from changes in aerosol size distributions downwind of a roadway. *Atmospheric Environment* **45**, 957-966.