

16. Information sources and reference list

16.	Information sources and reference list.....	i
16.1	Description of the action.....	16-1
16.2	Project description	16-1
16.3	Planning and approvals	16-1
16.4	Consultation.....	16-2
16.5	Alternatives to the Project.....	16-2
16.6	Methodology	16-2
16.7	Existing environment.....	16-7
16.8	General impacts	16-10
16.9	World Heritage properties and National Heritage places.....	16-12
16.10	Listed threatened species and ecological communities	16-13
16.11	Listed migratory species	16-16
16.12	Cumulative and consequential impacts.....	16-18
16.13	Environmental Management System.....	16-20
16.14	Offsets.....	16-20
16.15	Conclusion.....	16-21

16.1 Description of the action

Department of Natural Resources and Water (DNRW) 2006, '*Central Queensland Regional Water Supply Strategy*', Rockhampton, Queensland Government.

Gladstone Area Water Board (GAWB) 2009, '*Water Resource (Boyne River Basin) Plan 2000*' Gladstone.

Gladstone Area Water Board (GAWB) 2013, '*Strategic Water Plan 2013*' Gladstone.

Rockhampton Regional Council (RRC) 2013, '*Rockhampton to Yeppoon Pipeline*', retrieved May 22, 2-15, from http://www.rockhamptonregion.qld.gov.au/Council_Services/Fitzroy_River_Water/Water_and_Sewerage_Infrastructure/Rockhampton_to_Yeppoon_Pipeline.

SunWater 2008, '*Proposal for Queensland Regional Water Infrastructure Program: Fitzroy Options Proposal*', Commercial in confidence.

16.2 Project description

Australian National Committee on Large Dams (ANCOLD) 1991, '*Guidelines on Concrete-Faced Rockfill Dams*', ANCOLD.

International Erosion Control Association (IECA) 2008, '*Best Practice Erosion and Sediment Control Guideline*', Brisbane, Catchments & Creeks Pty Ltd.

SunWater 2008a, '*Rockwood Weir Hydraulic Model Study Report*', report prepared for Department of Infrastructure by SunWater, Ref: P-AEXP-0803-BF-01-02, File: 07-008799, December, 2008.

SunWater 2008b, '*Proposal for Queensland Regional Water Infrastructure Program: Fitzroy Options Proposal*', Commercial in confidence.

16.3 Planning and approvals

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

Department of Natural Resources and Water (DNRW) 2006, '*Central Queensland Regional Water Supply Strategy*', Rockhampton, Queensland Government.

Department of State Development, Infrastructure and Planning (DSDIP) 2012a, '*Statewide water program of works*', retrieved February 19, 2013, from www.dlg.qld.gov.au/infrastructure-delivery/statewide-water-program-of-works.html.

Department of State Development, Infrastructure and Planning (DSDIP) 2012b, '*Central Queensland Regional Plan*', retrieved January 8, 2013, from www.dsdip.qld.gov.au/regional-planning/the-central-queensland-regional-plan.html.

Department of State Development, Infrastructure and Planning (DSDIP) 2013, '*State Planning Policy, draft for consultation April 2013*', retrieved February 19, 2013, from www.dsdip.qld.gov.au/resources/policy/state-planning/draft-spp.pdf.

National Health and Medical Research Council (NHMRC) and National Resource Management Ministerial Council (NRMMC) 2011, '*Australian Drinking Water Guidelines Paper 6 National Water Quality Management Strategy*', Canberra, Commonwealth of Australia.

The State of Queensland 2013, '*Reef Water Quality Protection Plan 2013: Securing the health and resilience of the Great Barrier Reef World Heritage Area and adjacent catchments*', retrieved May 26, 2015, from <http://www.reefplan.qld.gov.au/resources/assets/reef-plan-2013.pdf>.

Wallace, R., Huggins, R., Smith, R., Turner, R., Vardy, S. and Warne, M. St. J. 2014, '*Total suspended solids, nutrient and pesticide loads (2011–2012) for rivers that discharge to the Great Barrier Reef – Great Barrier Reef Catchment Loads Monitoring Program 2011–2012*', Department of Science, Information Technology, Innovation and the Arts. Brisbane.

16.4 Consultation

No references used in this chapter.

16.5 Alternatives to the Project

Gladstone Area Water Board (GAWB) 2013, '*Strategic Water Plan 2013*', GAWB, Gladstone.

Sinclair Knight Merz (SKM) 2010, '*Connors River Dam and Pipelines Environmental Impact Statement*', SunWater.

16.6 Methodology

Allen, GR, Midgley, SH and Allen, M 2003, '*Field Guide to the Freshwater Fishes of Australia*', Western Australian Museum, Perth.

Australian Greenhouse Office 2002, '*National Carbon Accounting System*', Commonwealth of Australia, Canberra.

AUSRIVAS 2001, '*Queensland Australian River Assessment System (AusRivAS) Sampling and Processing Manual*', report prepared for Queensland Department of Natural Resources and Mines, Queensland.

Barker, J, Grigg, G, Tyler, M 1995, '*A field guide to Australian Frogs*', Surrey Beatty & Sons, Chipping Norton NSW.

BirdLife Australia 2005-2007, '*The Atlas of Australian Birds*', retrieved from <http://www.birddata.com.au/atlasstats.do>.

Berghuis, AP & Long, PE 1999, '*Freshwater fishes of the Fitzroy Catchment, Central Queensland*', Proceedings of the Royal Society of Queensland, vol. 108, pp. 13-25.

Britton, A 2007a, '*Impact assessment of modified water infrastructure (Fitzroy Barrage) on the Fitzroy River saltwater crocodile – Potential implications and proposed mitigation measures for saltwater crocodiles (Crocodylus porosus)*', Commercial-in-confidence report prepared for the Department of Natural Resources and Water, Queensland.

Britton, A 2007b, '*Proposal for raising Eden Bann Weir and construction of Rookwood Weir – An assessment of the potential implications and proposed mitigation measures for saltwater crocodiles (Crocodylus porosus)*', Commercial-in-confidence report prepared for the prepared for Department of Natural Resources and Water, Queensland.

- Cann, J 1998, '*Australian freshwater turtles*', Beaumont Publishing Pty Ltd, Singapore.
- Churchill, S 2008, '*Australian Bats*', Allen and Unwin, Crows Nest.
- Commonwealth of Australia 2011, 'Survey guidelines for Australia's threatened reptiles: Guidelines for detecting reptiles listed as threatened under the *Environment Protection and Biodiversity Conservation Act 1999*', Department of Sustainability, Environment, Water, Population and Communities, Canberra.
- Clark, NJ 2008, '*The diving physiological ecology of Australian freshwater turtle hatchlings*', PhD Thesis, University of Queensland, Brisbane.
- Clark, NJ, Gordos, MA & Franklin, CE 2008, '*Diving behaviour, aquatic respiration, and blood respiratory properties: a comparison of hatchling and juvenile Australian turtles*', *Journal of Zoology*, vol. 275, pp. 399–406.
- Commonwealth Scientific and Industrial Research Organisation (CSIRO) 2006, '*Euclid: eucalypts of Australia*', CSIRO Centre for Plant Biodiversity Research, Collingwood, Victoria.
- Council on Environmental Quality 1997, '*Considering Cumulative Effects under the National Environmental Policy Act*', Washington, D.C, Council on Environmental Quality.
- Dean, JC and Suter, PJ 1996, '*Mayfly nymphs of Australia. A guide to genera. No. 7*', Albury: Cooperative Research Centre for Freshwater Ecology iii 82 pp.
- Department of the Environment (DoE) 2013, '*Matters of National Environmental Significance-Significant Impact Guidelines 1.1*', Australian Government, Canberra.
- Department of Employment, Economic Development and Innovation (DEEDI) 2009, '*East Coast Inshore Fin Fish Fishery*, Department of Employment, Economic Development and Innovation', retrieved 11 September, 2009, from http://www.dpi.qld.gov.au/cps/rde/dpi/hs.xsl/28_14415_ENA_HTML.htm.
- Department of Natural Resources and Mines (DNRM) 2011, '*Regional Ecosystems Version 6.1*', retrieved January 15, 2013, from <http://www.ehp.qld.gov.au/ecosystems/biodiversity/regional-ecosystems/data/index.php>.
- Department of Environment and Resource Management (DERM) 2008, '*Fitzroy NRM Region 'Back on Track' Biodiversity Action Plan*', Queensland, Queensland Government.
- Department of Environment and Resource Management (DERM) 2009, '*Estuarine Crocodile*', Department of Environment and Resource Management, retrieved 11 September, 2009, from http://www.epa.qld.gov.au/nature_conservation/wildlife/living_with_wildlife/crocodiles/estuarine_cr ocodile.html.
- Department of Natural Resources and Mines (DNRM) 2014a, '*Queensland's coal seam gas overview*', retrieved January 2014, from <http://mines.industry.qld.gov.au/assets/coal-pdf/csg-update-2014.pdf>.
- Department of Natural Resources and Mines (DNRM) 2014b, '*Queensland's mineral, coal and petroleum operations and resources map*', retrieved January 2014, from <http://mines.industry.qld.gov.au/assets/general-pdf/qld-resources-map-2014.pdf>.

Department of Sustainability, Environment, Water, Population and Communities (DSEWPaC) 2011, *Guidelines for EPBC Act listed species*, retrieved July 2013, from http://www.environment.gov.au/epbc/policy-statements?_sm_au_=iVV4P7MZK7Pkt65R.

Department of Natural Resources and Mines (DNRM) 2013a, *Queensland's coal-mines and advanced projects*, retrieved January 2014, from <https://mines.industry.qld.gov.au/assets/coal-pdf/queensland-coal-mines-adv-projects-2013.pdf>

Department of Natural Resources and Mines (DNRM) 2013b, *Queensland's coal development projects*, retrieved January 2014, from <http://mines.industry.qld.gov.au/assets/mines-pdf/qld-coal-development-projects-q3-2013.pdf>.

Department of Natural Resources and Mines (DNRM) 2013c, *Central Queensland's energy and mineral development projects* retrieved January 2014, from <http://mines.industry.qld.gov.au/assets/mines-pdf/DNRM-Q1-2013-Mineral-and-Energy-Development-Projects.pdf>.

Duivenvoorden, LJ 1992, *Aquatic macrophytes of the Fitzroy River Catchment*, in LJ Duivenvoorden, Yule, D, Fairweather, L & Lawrie, G (eds), *Proceedings of the Fitzroy Catchment Symposium*, University of Central Queensland, Rockhampton, Queensland.

Duivenvoorden, LJ, Hamilton, DR, Price, MD & Attard, TB 2000, *Temporal Variation of Macroinvertebrate Communities of impounded and riverine sites in Central Queensland*, in RM Noble (ed.), *River Health in the Fitzroy Catchment: Community Ownership*, Department of Natural Resources, Rockhampton, Queensland.

Duivenvoorden, LJ & Roberts, DT 1997, *Aquatic Invertebrates*, in RM Noble, Duivenvoorden, LJ, Rummenie, SK, Long, PE & Fabbro, LD, *Downstream Effects of Land Use in the Fitzroy Catchment*, Department of Natural Resources, Queensland.

Earth Tech 2007, *Assessment of potential implications of modified water infrastructure on Fitzroy River fish passage & the Fishway*, report prepared for Fitzroy River Water.

Environmental Protection Agency (EPA) 2007, *Draft Management program for Crocodylus porosus in Queensland 2007-2017*, Environmental Protection Agency, retrieved September 2009, from <http://www.epa.qld.gov.au/register/p02075aa.pdf>.

Eyre, TJ, Kelly, AL and Neldner, VJ 2006, *BioCondition: A Terrestrial Vegetation Condition Assessment Tool for Biodiversity in Queensland, Field Assessment Manual, Version 1.5*, Environmental Protection Agency, Biodiversity Sciences Unit, Brisbane.

Eyre TJ, Ferguson DJ, Hourigan CL, Smith GC, Mathieson MT, Kelly, AL, Venz MF and Hogan, LD 2012, *Terrestrial Vertebrate Fauna Survey Assessment Guidelines for Queensland*, Queensland Government Department of Science, Information Technology, Innovation and the Arts, Brisbane.

frc environmental 2007, *Modified Water Infrastructure EIS & Management Plan: Turtles (Rheodytes leukops & Elseya albagula)*, report prepared for Fitzroy River Water.

frc environmental 2008, *Lower Fitzroy Weirs Literature Review and Gap Analysis*, report prepared for SunWater, Brisbane, frc environmental.

Gordos, MA 2004, *Diving physiological ecology of the bimodally respiring freshwater turtle, Rheodytes leukops*. PhD Thesis, University of Queensland. Brisbane.

Gordos, MA, Franklin, CE & Limpus, CJ 2003a, 'Seasonal changes in the diel surfacing behaviour of the bimodally respiring turtle *Rheodytes leukops*', Canadian Journal of Zoology, vol. 81, pp. 1614-1622.

Gordos, MA, Franklin, CE & Limpus, CJ 2003b, 'Seasonal changes in the diving performance of the bimodally respiring freshwater turtle *Rheodytes leukops* in a natural setting', Canadian Journal of Zoology, vol. 81, pp. 617-625.

Gordos, MA, Hamann, M, Schauble, CS, Limpus, CJ, & Franklin, CE 2007, 'Diving behaviour of *Eelseya albagula* from a naturally flowing and hydrologically altered habitat', Journal of Zoology, vol. 272, pp. 458-469.

Hamann, M, Schauble, CS, Limpus, DJ, Emerick, SP, and Limpus, CJ 2007, 'Management plan for the conservation of *Eelseya* sp. (Burnett River) in the Burnett River Catchment', Queensland Environmental Protection Agency.

Heindenreich, M & Broadfoot, C 2001, 'Migratory Fish Communities and Fish Passage options at Tarbus Weir, Mackenzie River,' Department of Primary Industries, Queensland.

Henderson, RJF (ed.) 2002, 'Names and Distribution of Queensland Plants, Algae and Lichens', Brisbane, Environmental Protection Agency.

Houston, WA & Duivenvoorden, LJ 2002, 'Replacement of littoral native vegetation with the ponded pasture grass *Hymenachne amplexicalus*: Effects on plant, macroinvertebrate and fish biodiversity in backwaters in the Fitzroy River, Central Queensland, Australia', Marine and Freshwater Research, vol. 53, pp. 1235-1244.

International Association for Impact Assessment (IAIA) 2003, 'Social Impact Assessment, International Principles', retrieved May 7, 2009, from www.iaia.org/publicdocuments/special-publications/SP2.pdf.

Legler, JM & Cann, J 1980, 'A new genus and species of Chelid turtle from Queensland, Australia', Contributions to the Science and Natural History Museum Los Angeles County, vol. 324, pp. 1-18.

Legler, JM & Georges, A 1993, 'Family Chelidae' in CJ Glasby, Ross, GJB & Beesley, PL (eds) *Fauna of Australia vol 2A*, Australian Government Publishing Service, Canberra.

Limpus, DJ, Hodge, WJ & Limpus, CJ, 2006, 'Impacts of dams and weirs on freshwater turtle: Fairbairn Dam', Environmental Protection Agency, Queensland.

Limpus, CJ, Limpus, DJ, Parmenter, CJ, Hodge, J, Forrest, MJ and McLachlan, J 2007, 'Proposal for raising Eden Bann Weir and construction of Rookwood Weir – an assessment of the potential implications and mitigation measures for Fitzroy Turtles', Commercial-in-confidence report prepared for the Department of Infrastructure, Queensland.

Long, P & Meager, M 2000, 'The assessment of Eden Bann Weir fishlock, Fitzroy River, Queensland', Department of Primary Industries, Queensland.

Marchant, S and Higgins P 1990-2006, 'Handbook of Australian, New Zealand and Antarctic Birds Book Series, Volumes 1 -7', Oxford University Press.

Mathie, NJ & Franklin, CE 2006, 'The influence of body size on the diving behaviour and physiology of the bimodally respiring turtle *Eelseya albagula*', Journal of Comparative Physiology B, vol. 176 pp. 739-747.

- Marsden, T and Power, T 2007, '*Proposal for raising Eden Bann Weir and construction of Rook wood Weir – An assessment of the potential requirements for fish passage*', Commercial-in-confidence report prepared for the Department of Natural Resources and Water, Queensland.
- Menkhorst, P and Knight, F 2004, '*A Field Guide to the Mammals of Australia*', Sydney, Oxford University Press.
- Nangura Environmental Services (Nangura) 2007, '*Proposal for raising Eden Bann Weir and construction of Rookwood Weir – An assessment of the potential implications on native vegetation and terrestrial ecosystems*', Commercial-in-confidence report prepared for Department of Infrastructure, Queensland.
- Neldner, VJ, Wilson, BA, Thompson, EJ and Dillewaard, HA 2004, '*Methodology for Survey and Mapping of Regional Ecosystems and Vegetation Communities in Queensland Version 3.0*', Queensland Herbarium, Brisbane, Environmental Protection Agency.
- Nobel, RM, Duivenvoorden, LJ, Rummenie, SK, Long, PE & Fabbro, LD 1997, '*Downstream Effects of Land Use in the Fitzroy Catchment*', Department of Natural Resources, Queensland.
- Pizzey, G and Knight, F 2007, '*The Field Guide to the Birds of Australia*', Sydney, Harper Collins Publishers.
- Priest, T 1997, '*Bimodal respiration and diving behaviour of the Fitzroy River turtle *Rheodytes leukops**'. BSc Honours Thesis, University of Queensland, Brisbane.
- Priest, TE & Franklin, CE 2002, '*Effects of water temperature and oxygen levels on the diving behaviour of two freshwater turtles: *Rheodytes leukops* and *Emydura macquarii**', Journal of Herpetology, vol. 36, pp. 55-561.
- Pusey, B, Kennard, M and Arthington, A 2004, '*Freshwater Fishes of North-Eastern Australia*', Collingwood, CSIRO Publishing.
- Rogers, VM 2000, '*Dietary ecology including dietary resources partitioning of four species of chelid turtle in a tributary of the Fitzroy River, central Queensland*', BSc Honours Thesis, Central Queensland University, Rockhampton.
- Richards, GP & Evans, DMW 2000, '*Full Carbon Accounting Model (FullCAM)*', National Carbon Accounting System, Australian Greenhouse Office, Canberra.
- Stuart, IG 1997, '*Assessment of a Modified Vertical-Slot Fishway, Fitzroy River, Queensland*', Department of Primary Industries and Fisheries, Bundaberg, Queensland.
- Stuart, IG, Berghuis, AP, Long, PE & Mallen-Cooper, M 2007, '*Do fish locks have potential in tropical rivers?*', River Research and Applications, vol. 23, pp. 269-286.
- Stuart, IG & Mallen-Cooper, M 1999, '*An assessment of the effectiveness of a vertical-slot fishway for non-salmonid fish at a tidal barrier on a large tropical/subtropical river*', Regulated Rivers Research and Management, vol.15, pp. 575-590.
- SunWater 2008a, '*Lower Fitzroy weirs discussion paper on fishway facilities for raised Eden Bann Weir*', SunWater.
- SunWater 2008b, '*Lower Fitzroy weirs discussion paper on turtle passage facilities for raised Eden Bann Weir and Rook wood*', SunWater.

Thomson, S, Georges, A, & Limpus, CJ 2006, 'A new species of freshwater turtle in the Genus *Elseya* (Testudines: Chelidae) from Central Coastal Queensland, Australia', *Chelonian Conservation and Biology*, vol. 5, pp. 74-86.

Tucker, AD 2000, 'Cumulative effects of dams and weirs on freshwater turtles: Fitzroy, Kolan, Burnett and Mary Catchments', report prepared for Queensland Department of Natural Resources.

Tucker, AD, Limpus, CJ, Priest, TE, Cay, J, Glen, C & Guarino, F 2001, 'Home ranges of Fitzroy River turtles (*Rheodytes leukops*) overlap riffle zones: potential concerns related to river regulation'. *Biological Conservation*, vol 102, pp 171-181.

Van Dyck, S & Strahan, R 2008, 'The Mammals of Australia.' 3rd edn, Reed New Holland, Sydney.

Venz, M, Mathieson, M & Schulz, M 2002, 'Fauna of the Dawson River Floodplain – an assessment of fauna downstream of the proposed Nathan Dam,' Queensland Environmental Protection Agency.

Walsh, B & Whitehead, PJ 1993, 'Problem crocodiles (*Crocodylus porosus*) at Nhulunbuy, Northern Territory, Australia: An assessment of relocation as a management strategy', *Wildlife Research*, vol. 20, pp. 127-135.

Wilson, S 2005, 'A Field Guide to Reptiles of Queensland,' Reed New Holland, Sydney.

Wilson, S & Swan, G 2008, 'A Complete Guide to Reptiles of Australia,' Reed New Holland, Sydney.

16.7 Existing environment

Aurecon Australia Pty Ltd 2012, 'Rockhampton Regional Council Natural Hazards Risk Assessment (Final Report)', Brisbane, Aurecon Australia Pty Ltd.

AusRivAS 2001, 'Queensland Australian River Assessment System (AusRivAS) Sampling and Processing Manual', report Prepared for Queensland Department of Natural Resources and Mines, Queensland.

Bureau of Meteorology Rockhampton Aero (BoM) 2013, 'Climate Statistics for Australian Locations', retrieved July 2009, from www.bom.gov.au/climate/averages/tables/cw_039083_All.shtml.

Bureau of Meteorology (BoM) ND, 'About Severe Thunderstorms', retrieved May 2013, from <http://www.bom.gov.au/nsw/sewx/about.shtml>.

Bureau of Meteorology (BoM) 2011, 'Flood warning systems for the Fitzroy River', retrieved January 8, 2010, from <http://www.bom.gov.au/qld/flood/brochures/fitzroy/fitzroy.shtml>.

Bureau of Meteorology (BoM) 2013a, 'Ex-TC Oswald Floods, January and February 2013', retrieved November 2013, from http://www.bom.gov.au/qld/flood/flid_reports/EXTC_Oswald.pdf.

Bureau of Meteorology (BoM) 2013b, 'Tropical cyclone information for the Australian region', retrieved May 2013, from www.bom.gov.au.

Cagnazzi D, Parra GJ, Westley S, Harrison PL 2013, 'At the Heart of the Industrial Boom: Australian Snubfin Dolphins in the Capricorn Coast, Queensland, Need Urgent Conservation Action', *PLoS ONE* 8(2): e56729. doi:10.1371/journal.pone.0056729.

Commonwealth Scientific and Industrial Research Organisation (CSIRO) 2000, '*Algal Mysteries Revealed*', CSIRO Land and Water News no. 8, retrieved 15 July 2013, from <http://www.clw.csiro.au/publications/clw-link/clwlink-8.pdf>.

Cooperative Research Centre for Coastal Zone, Estuary and Waterway Management 2006, '*Pesticide, polycyclic aromatic hydrocarbon and metal contamination in the Fitzroy Estuary, Queensland, Australia*', Queensland.

Department of Sustainability, Environment, Water, Population and Communities (DSEWPaC) 2012, '*Fact Sheet – Great Barrier Reef World Heritage Area*', retrieved January 2014, from <http://www.environment.gov.au/system/files/resources/d9257a3b-566a-4f9c-98b1-779a3da78153/files/gbr-factsheet.pdf>.

Department of Environment and Resource Management (DERM) 2008, '*Fitzroy NRM Region 'Back on Track' Biodiversity Action Plan*', Queensland Government.

Department of Environment and Resource Management (DERM) 2009, '*A study of the cumulative impacts on water quality of mining activities in the Fitzroy River Basin*', The State of Queensland.

Department of National Parks, Recreation, Sport and Racing (DNPRSR) 2014, '*Declared Fish Habitat Area summary – Fitzroy River*', retrieved May 25, 2014 from, <http://www.nprsr.qld.gov.au/managing/area-summaries/fitzroy.html>.

Department of Natural Resources and Mines (DNRM) 2011, '*Regional Ecosystems Version 6.1*', retrieved January 15, 2013, from <http://www.ehp.qld.gov.au/ecosystems/biodiversity/regional-ecosystems/data/index.php>.

Department of Sustainability, Environment, Water, Population and Communities (DSEWPaC) 2011a, '*National Pollutant Inventory: 2010/2011 data within 4700 – all substance from all sources*', retrieved February 21, 2013, from www.npi.gov.au/npidata/action/load/summary-result/criteria/year/2011/destination/ALL/postcode/4700/source-type/ALL/subthreshold-data/Yes/substance-name/All.

Department of Sustainability, Environment, Water, Population and Communities (DSEWPaC) 2011b, '*National Pollutant Inventory: 2010/2011 data within 4702 – all substance from all sources*', retrieved February 21, 2013, from <http://www.npi.gov.au/npidata/action/load/summary-result/criteria/year/2011/destination/ALL/postcode/4702/source-type/ALL/subthreshold-data/Yes/substance-name/All>.

Douglas, G, Ford, P, Palmer, M, Noble, R and Packett, R 2005, '*Identification of Sediment Sources in the Fitzroy River Basin and Estuary, Queensland – Technical Report No. 13*', Cooperative Research Centre (CRC) for Coastal Zone, Estuary and Waterway Management.

Fitzroy partnership for River Health 2011, '*2010-11 Report Card*', retrieved from http://riverhealth.org.au/report_card/ehi/Estuary/.

Fitzroy Shire Council and Rockhampton City Council 2007, '*Rockhampton City / Fitzroy Shire Natural Hazard Guide*', retrieved January 7, 2010, from www.rockhampton.qld.gov.au/doccache/uploadfiles/13779-Natural%20Hazards%20Guide.doc#_Toc152490397.

GHD 2011a, '*Proposed Eden Bann Weir Raise: Business Case Design Report*', March 2011 20736-G-RP-002, Commercial in Confidence.

GHD 2011b, '*Proposed Rook wood Weir: Business Case Design Report*', March 2011 20736-G-RP-001, Commercial in Confidence.

Great Barrier Reef Marine Park Authority (GBRMPA) 2010, '*Water Quality Guidelines for the Great Barrier Reef Marine Park*', Townsville, Commonwealth of Australia.

Grech, A and Marsh, H 2007, '*Prioritising areas for dugong conservation in a marine protected area using a spatially explicit population model*', Applied GIS, vol. 3, pp. 1-14.

Hart, B. 2008, '*Report to Queensland Premier: Review of the Fitzroy River Water Quality Issues*', Water Science Pty Ltd and Water Studies Centre, Monash University.

Johnston, N, Peck, G, Ford, P, Dougall, C and Carroll, C 2008, '*Fitzroy Basin Water Quality Improvement Report*', Rockhampton, Fitzroy Basin Association Inc.

Keane ML 2004, '*Fitzroy River Weir Study*', report prepared by Water Planning, Rockhampton for the Queensland Department of Natural Resources, Mines and Energy.

Kroon, F, Kuhnert, K, Henderson, B, Henderson, A, Turner, R, Huggins, R, Wilkinson, S, Abbott, B, Brodie, J and Joo, M 2010, '*Baseline pollutant loads to the Great Barrier Reef. CSIRO: Water for a Healthy Country Flagship Report*', CSIRO Publishing, Queensland.

Kroon, F, Turner, R, Smith, R, Warne, M, Hunter, H, Bartley, R, Wilkinson, S, Lewis, S, Waters, D and C Carroll 2013, '*Scientific Consensus Statement 2013 - Chapter 4: Sources of sediment, nutrients, pesticides and other pollutants in the Great Barrier Reef catchment*'.

Limpus, CJ, Limpus, DJ, Parmenter, CJ, Hodge, J, Forrest, MJ and McLachlan, J 2007, '*Proposal for raising Eden Bann Weir and construction of Rookwood Weir – an assessment of the potential implications and mitigation measures for Fitzroy Turtles*', Commercial-in-confidence report prepared for the Department of Infrastructure, Queensland.

Marsden, T and Power, T 2007, '*Proposal for raising Eden Bann Weir and construction of Rook wood Weir – An assessment of the potential requirements for fish passage*', Commercial-in-confidence report prepared for the Department of Natural Resources and Water, Queensland.

Marsh, HG, De'ath, N, Gribble and Lane, B 2005, '*Historical marine population estimates: triggers or target for conservation? The dugong case study*', Ecological Applications, vol. 15, pp. 481-492.

National Health and Medical Research Council (NHMRC) and National Resource Management Ministerial Council (NRMMC) 2008, '*Guidelines for managing risks in recreational water*', Canberra, Commonwealth of Australia.

Nangura Environmental Services (Nangura) 2007, '*Proposal for raising Eden Bann Weir and construction of Rookwood Weir – An assessment of the potential implications on native vegetation and terrestrial ecosystems*', Commercial-in-confidence report prepared for Department of Infrastructure, Queensland.

Nobel, RM, Duivenvoorden, LJ, Rummenie, SK, Long, PE & Fabbro, LD 1997, '*Downstream Effects of Land Use in the Fitzroy Catchment*', Department of Natural Resources, Queensland.

Packett, R, Dougall, C, Rohde, K and Noble, R 2009, '*Agricultural lands are hot-spots for annual runoff polluting the southern Great Barrier Reef lagoon*', Marine Pollution Bulletin, vol. 58, pp. 976-986.

Queensland Government 2013, '2012–13 coal mine water release pilot', retrieved January 15, 2014, from <http://www.fitzroyriver.qld.gov.au/coal-mine-management/2012-13-water-release-pilot>.

SunWater 2008, 'Proposal for Queensland Regional Water Infrastructure Program: Fitzroy Options Proposal', commercial in confidence.

SunWater Limited 2011, 'Reedy Creek to Glebe Weir Pipeline Project', EPBC Referral 2011/6181.

SunWater Limited 2014, 'Frequently asked questions-blue green algae', retrieved January 15, 2014, from <http://www.sunwater.com.au/home/frequently-asked-questions>.

Sinclair Knight Merz (SKM) 2012, 'Nathan Dam and Pipelines Environmental Impact Statement', report prepared for SunWater.

The State of Queensland 2013a, 'Reef Water Quality Protection Plan 2013: Securing the health and resilience of the Great Barrier Reef World Heritage Area and adjacent catchments', retrieved May 26, 2015, from <http://www.reefplan.qld.gov.au/resources/assets/reef-plan-2013.pdf>.

The State of Queensland 2013b, 'Great barrier Reef Report Card 2011', Reef Water Quality Protection Plan, retrieved from <http://www.reefplan.qld.gov.au/measuring-success/report-cards/2011-report-card.aspx>.

The State of Queensland 2015, 'Great Barrier Reef Report Card 2012 and 2013', Reef Water Quality Protection Plan, retrieved from <http://www.reefplan.qld.gov.au/measuring-success/report-cards/assets/report-card-2012-2013.pdf>.

Taylor, B. and Jones, M., 2000, 'National Land and Water Resources Audit: Fitzroy Audit Summary Report 2000', Queensland: Department of Natural Resources, Central Queensland University and CSIRO.

Turner, R, Huggins, R, Wallace, R, Smith, R and M St. J Warne 2013, 'Total suspended solids, nutrient and pesticide loads (2010-2011) for rivers that discharge to the Great Barrier Reef', Great Barrier Reef Catchment Loads Monitoring 2010-2011, Department of Science, Information Technology, Innovation and the Arts, Brisbane.

Wallace, R., Huggins, R., Smith, R., Turner, R., Vardy, S. and Warne, M. St. J. 2014, 'Total suspended solids, nutrient and pesticide loads (2011–2012) for rivers that discharge to the Great Barrier Reef', Great Barrier Reef Catchment Loads Monitoring Program 2011–2012, Department of Science, Information Technology, Innovation and the Arts, Brisbane.

Webster, I, Atkinson, I, Bostock, H, Brooke, B, Douglas, G, Ford, P, Hancock, G, Herzfeld, M, Leeming, R, Lemckert, C, Margvelashvili, N, Noble, B, Oubelkheir, K, Radke, L, Reville, A, Robson, B, Ryan, D, Schacht, C, Smith, S, Smith, J, Vincente-Beckett, V and Wild-Allen, K 2006, 'The Fitzroy Contaminants Project – A study of the nutrient and fine-sediment dynamics of the Fitzroy Estuary and Keppel Bay: Technical Report No. 42', Brisbane, CRC for Coastal Zone.

16.8 General impacts

Australian National Committee on Large Dams (ANCOLD) 1998, Guidelines on Design of Dams for earthquakes, Melbourne.

Baumgartner, LJ, Reynoldson, N and Gilligan, DM 2006, 'Mortality of larval Murray cod (*Maccullochella peelii peelii*) and golden perch (*Macquaria ambigua*) associated with passage through two types of low-head weirs', Marine and Freshwater Research, vol. 57, p. 187-191.

- Cann, J 1998, *'Australian freshwater turtles'*, Singapore, Beaumont Publishing Pty Ltd.
- Carroll, C, Dougall, C, Siburn, M, Waters, D, Packett, B and M Joo 2010, *'Sediment erosion research in the Fitzroy basin central Queensland: an overview'*, 19th World Congress of Soil Science, Soil Solutions for a Changing World.
- Department of Environment and Resource Management (DERM) 2010a, *'Urban Stormwater Quality Planning Guidelines'*, Queensland Government.
- Department of Environment and Resource Management (DERM) 2010b, *'Fitzroy Basin Draft Water Resource Plan Environmental Assessment – Stage 2 Assessment Report'*, State of Queensland, Queensland.
- Department of Natural Resources and Mines (DNRM) 2002, *'Queensland Dam Safety Management Guidelines'*, Brisbane, Queensland Government.
- Department of Sustainability, Environment, Water, Population and Communities (DSEWPaC) 2012, *'Blue-green algae (cyanobacteria) and water quality fact sheet'*, Canberra, Commonwealth of Australia.
- Dunlop, J, McGregor, G, and Horrigan, N 2005, *'Potential impacts of salinity and turbidity in riverine ecosystems'*, Queensland Department of Natural Resources and Mines.
- Environmental Systems and Services (ESS) 2009, *'Rookwood and Eden Bann Weirs: Seismic hazard assessment (October 2009)'*, report prepared for GHD Pty Ltd by the Seismology Research Centre (a division of ESS).
- Hamann, M, Schauble, CS, Limpus, DJ, Emerick, SP and Limpus, CJ 2007, *'Management plan for the conservation of Euseya sp. (Burnett River) in the Burnett River Catchment'*, Queensland, Environmental Protection Agency.
- International Erosion Control Association (IECA) 2008, *'Best Practice Erosion and Sediment Control Guideline'*, Brisbane, Catchments & Creeks Pty Ltd.
- Institute of Engineers Australia (QLD Division), 1996, *'Soil Erosion and Sediment Control-Engineering Guidelines for Queensland Construction'*.
- Johnston, N., Peck, G., Ford, P., Dougall, C. and Carroll, C. 2008, *'Fitzroy Basin Water Quality Improvement Report'*, Fitzroy Basin Association Inc. December 2008.
- Joo, M, Yu, B, Fentie, B and Carroll, C 2005, *'Estimation of long-term sediment loads in the Fitzroy Catchment, Queensland, Australia'*, proceedings of MODSIM 2005 International Congress on Modelling and Simulation: Advances and Applications for Management and Decision Making, Modelling and Simulation Society of Australia and New Zealand.
- Larinier, M 2000, *'Dams and fish migration'*, contributing paper to the World Commission of Dams Thematic Review II.1 Ecosystems.
- Limpus, C.J., Limpus, D.J., Parmenter, C.J., Hodge, J., Forrest, M.J., and McLachlan, J. 2011a, *'Proposal for raising Eden Bann Weir and construction of Rookwood Weir – an assessment of the potential implications and mitigation measures for Fitzroy Turtles'*, Commercial in confidence report prepared for Department of Infrastructure, Queensland.
- Marsden, T and Power, T 2007, *'Proposal for raising Eden Bann Weir and construction of Rookwood Weir – An assessment of the potential requirements for fish passage'*, Commercial-in-confidence report prepared for the Department of Natural Resources and Water, Queensland.

Nangura Environmental Services (Nangura) 2007, '*Proposal for raising Eden Bann Weir and construction of Rookwood Weir – An assessment of the potential implications on native vegetation and terrestrial ecosystems*', Commercial-in-confidence report prepared for Department of Infrastructure, Queensland.

Ritter, Michael E. 2006, '*The Physical Environment: an Introduction to Physical Geography*'.

Staunton-Smith, J, Robbins JB, Mayer, DG, Sellin, M.J & Halliday, IA 2004, '*Does the quantity and timing of fresh water flowing into a dry tropical estuary affect year-class strength of barramundi (Lates calcarifer)?*'. Marine and Freshwater Research, vol. 55, pp. 787.

Sinclair Knight Merz (SKM) 2010, '*Connors River Dam and Pipelines Environmental Impact Statement*', SunWater.

Tucker, AD 2000, '*Cumulative effects of dams and weirs on freshwater turtles: Fitzroy, Kolan, Burnett and Mary Catchments*', report prepared for the Department of Natural Resources, Queensland.

Wood, P.J. and Armitage, P.D. 1997, '*Biological effects of fine sediment in the lotic environment*', Environmental Management, vol. 21, no. 2, p. 203-17.

Wheeler, A.P., Angermeier, P.L. and Rosenberger, A.E. 2005, '*Impacts of new highways and subsequent landscape urbanization on stream habitat and biota*', Reviews in Fisheries Science, vol. 13, pp. 141-164.

16.9 World Heritage properties and National Heritage places

Department of the Environment (DoE) 2013, '*Matters of National Environmental Significance-Significant Impact Guidelines 1.1*' Australian Government, Canberra.

Department of Sustainability, Environment, Water, Population and Communities (DSEWPaC) 2012, '*Fact Sheet – Great Barrier Reef World Heritage Area*', retrieved January 2014. From <http://www.environment.gov.au/system/files/resources/d9257a3b-566a-4f9c-98b1-779a3da78153/files/gbr-factsheet.pdf>.

Johnston, N, Peck, G, Ford, P, Dougall, C & Carroll, C 2008, '*Fitzroy Basin Water Quality Improvement Report*', Fitzroy Basin Association Inc., Rockhampton.

Kroon, F, Turner, R, Smith, R, Warne, M, Hunter, H, Bartley, R, Wilkinson, S, Lewis, S, Waters, D and C Carroll 2013, '*Chapter 4: Sources of sediment, nutrients, pesticides and other pollutants in the Great Barrier Reef catchment*', Scientific Consensus Statement 2013, retrieved May 25, 2015, from <http://www.reefplan.qld.gov.au/about/scientific-consensus-statement/sources-of-pollutants.aspx>.

Lucas, PHC, Webb, T, Valentine, TS and Marsh, H 1998, '*The outstanding universal value of the Great Barrier Reef World Heritage Area*', Great Barrier Reef Marine Park Authority, Townsville.

Sinclair Knight Merz (SKM) 2010, '*Connors River Dam and Pipelines Environmental Impact Statement*', SunWater.

United Nations Educational, Scientific and Cultural Organisation (UNESCO) 2013, '*Great Barrier Reef*', retrieved July 2013, from http://whc.unesco.org/en/list/154?_sm_au_=iVV4P7MZK7Pkt65R.

16.10 Listed threatened species and ecological communities

Cann, J 1998, 'Australian freshwater turtles', Beaumont Publishing Pty Ltd, Singapore.

Cogger, HG 2000, 'Reptiles and Amphibians of Australia', 6th edn, Reed New Holland, Sydney.

Department of Environment and Heritage (DEH) 2005, 'Threat abatement plan for predation, habitat degradation, competition and disease transmission by feral pigs', retrieved from: <http://www.environment.gov.au/resource/threat-abatement-plan-predation-habitat-degradation-competition-and-disease-transmission>.

Department of Environment and Resource Management (DERM) 2008, 'Fitzroy NRM Region 'Back on Track' Biodiversity Action Plan,' Department of Environment and Resource Management, Queensland.

Department of Environment, Water, Heritage and Arts (DEWHA) 2008a, 'Threat abatement plan for predation by feral cats', retrieved from: <http://www.environment.gov.au/biodiversity/threatened/publications/tap/predation-feral-cats>.

Department of Environment, Water, Heritage and Arts (DEWHA) 2008b, 'Threat abatement plan for predation by European red fox', retrieved from: <http://www.environment.gov.au/resource/predation-european-red-fox>.

Department of the Environment (DoE) 2014a, 'Brigalow (*Acacia harpophylla* dominant and co-dominant) in Community and Species Profile and Threats Database', retrieved May 9, 2014, from <http://www.environment.gov.au/sprat>.

Department of the Environment (DoE) 2014b, 'Cycas Megacarpa in Community and Species Profile and Threats Database', retrieved May 9, 2014, from http://www.environment.gov.au/cgi-bin/sprat/public/publicspecies.pl?taxon_id=55794.

Department of the Environment (DoE) 2014c, 'Cycas ophiolitica in Community and Species Profile and Threats Database', retrieved from, http://www.environment.gov.au/cgi-bin/sprat/public/publicspecies.pl?taxon_id=55797.

Department of the Environment (DoE) 2014d, 'Siah's backbone in Community and Species Profile and Threats Database', retrieved from, http://www.environment.gov.au/cgi-bin/sprat/public/publicspecies.pl?taxon_id=21618.

Department of the Environment (DoE) 2014e, 'Lesser swamp orchid in Community and Species Profile and Threats Database', retrieved from, http://www.environment.gov.au/cgi-bin/sprat/public/publicspecies.pl?taxon_id=5872.

Department of the Environment (DoE) 2014f, 'Finger panic grass in Community and Species Profile and Threats Database', retrieved from, http://www.environment.gov.au/cgi-bin/sprat/public/publicspecies.pl?taxon_id=12768.

Department of the Environment (DoE) 2014g, 'Squatter pigeon (Southern) in Community and Species Profile and Threats Database', retrieved from, http://www.environment.gov.au/cgi-bin/sprat/public/publicspecies.pl?taxon_id=64440.

Department of the Environment (DoE) 2014h, 'Black Ironbox in Community and Species Profile and Threats Database', retrieved from, http://www.environment.gov.au/cgi-bin/sprat/public/publicspecies.pl?taxon_id=16344.

- Department of the Environment (DoE) 2014i, '*Mt Lacom silk pod in Community and Species Profile and Threats Database*', retrieved from, http://www.environment.gov.au/cgi-bin/sprat/public/publicspecies.pl?taxon_id=64587.
- Department of the Environment (DoE) 2014j, '*Collared delma in Community and Species Profile and Threats Database*', retrieved from, http://www.environment.gov.au/cgi-bin/sprat/public/publicspecies.pl?taxon_id=1656.
- Department of the Environment (DoE) 2014k, '*Ornamental snake in Community and Species Profile and Threats Database*', retrieved from, http://www.environment.gov.au/cgi-bin/sprat/public/publicspecies.pl?taxon_id=1193.
- Department of the Environment (DoE) 2014l, '*Dunmall's snake in Community and Species Profile and Threats Database*', retrieved from, http://www.environment.gov.au/cgi-bin/sprat/public/publicspecies.pl?taxon_id=59254.
- Department of the Environment (DoE) 2014m, '*Rheodytes leukops in Community and Species Profile and Threats Database*', retrieved from, http://www.environment.gov.au/cgi-bin/sprat/public/publicspecies.pl?taxon_id=1761#threat_abatement_and_recovery.
- Department of the Environment (DoE) 2013, '*Matters of National Environmental Significance-Significant Impact Guidelines 1.1*' Australian Government, Canberra
- Department of Natural Resources and Mines (DNRM) 2011, '*Regional Ecosystems Version 6.1*', retrieved January 15, 2013, from <http://www.ehp.qld.gov.au/ecosystems/biodiversity/regional-ecosystems/data/index.php>.
- Department of Sustainability, Environment, Water, Population and Communities (DSEWPaC) 2011, '*Southern Black-throated Finch (Poephila cincta cincta)*', retrieved May 17, 2013, from <http://www.environment.gov.au/biodiversity/threatened/species/poephila-cinta-cinta.html>.
- Gordos, MA 2004, '*Diving physiological ecology of the bimodally respiring freshwater turtle, Rheodytes leukops*', PhD Thesis, University of Queensland. Brisbane.
- Higgins, PJ, Peter, JM and Steele, WK (eds) 2001, '*Handbook of Australian, New Zealand and Antarctic Birds, Volume 5: Tyrant-flycatchers to Chats*', Melbourne, Oxford University Press.
- Houston, W and Melzer, A 2008, '*Yellow chat (Capricorn subspecies) Epthianura crocea macgregori recovery plan*', report to Department of the Environment, Water, Heritage and the Arts, Brisbane, Environmental Protection Agency.
- Houston, W. Porter, G., Elder, R., Black, R. and Sheaves, M. 2004b, '*Rediscovery of Yellow Chats (Capricorn subspecies) on the Fitzroy River Delta, central Queensland*', The Sunbird, vol. 34, pp. 36-42.
- Houston, W., Porter, G., O'Neill, P. & Elder, R. 2004a, '*The ecology of the Critically Endangered Yellow Chat Epthianura crocea macgregori on Curtis Island*', The Sunbird, vol. 34, pp. 10-23.
- Houston, W, Black, R, Elder, R, Black, L 2012, '*Ecological Drivers of Breeding and Habitat Use in Capricorn Yellow Chats*', Terrestrial ecology programme, Centre for Environmental Management, Central Queensland University, Rockhampton.
- Jaensch, R. 2004b, '*Yellow Chat Epthianura crocea in natural wetlands of the Georgina and Diamantina channel country*', The Sunbird, vol. 34, pp. 58-65.

Jaensch, R.P. 2004a, '*An assessment of the importance of eastern Brigalow Belt wetlands as drought refuge, migration stop-over and breeding areas for waterbirds*', unpublished report to the Commonwealth Department of the Environment and Heritage, Canberra.

Legler, JM & Cann, J 1980, '*A new genus and species of Chelid turtle from Queensland, Australia*', Contributions to the Science and Natural History Museum Los Angeles County, vol. 324, pp. 1-18.

Limpus, C.J., Limpus, D.J., Hollier, C., Savige, M., McAllister, D. 2011, '*Survey of Freshwater turtle populations and nesting habitat, Tarrus Weir Turtleway Project*', Brisbane Department of Environment and Heritage Protection, Queensland Government.

Marchant, S and Higgins, PJ (eds) 1993, '*Handbook of Australian, New Zealand and Antarctic Birds*,' Volume 1: Ratites to Ducks, Oxford University Press, Melbourne.

Menkhorst, P and Knight, F 2007, '*A Field Guide to the Mammals of Australia*', Oxford University Press, Sydney.

Nangura Environmental Services (Nangura) 2007, '*Proposal for raising Eden Bann Weir and construction of Rookwood Weir – An assessment of the potential implications on native vegetation and terrestrial ecosystems*', Commercial-in-confidence report prepared for Department of Infrastructure, Queensland.

Pizzey, G. and Knight, F. 2007, '*Field Guide to the Birds of Australia*', Harper Collins Publishers Pty Ltd.

Strahan, R (ed.) 1995, '*The Mammals of Australia*', Reed New Holland, Sydney.

Threatened Species Scientific Committee (TSSC) 2008a, '*Commonwealth Conservation Advice on Weeping Myall Woodlands*', Department of the Environment, Water, Heritage and the Arts, retrieved from <http://www.environment.gov.au/biodiversity/threatened/communities/pubs/98-listing-advice.pdf>

Threatened Species Scientific Committee (TSSC) 2008b, '*Natural Grasslands of the Queensland Central Highlands and the northern Fitzroy Basin. Species Profile and Threats Database*', Department of the Environment, retrieved November 11, 2013, from www.environment.gov.au/cgi-bin/sprat/public/publicshowcommunity.pl?id=99.

Threatened Species Scientific Committee (TSSC) 2008c, '*Geophaps scripta scripta— Squatter Pigeon (Southern). Species Profile and Threats Database*', Department of the Environment, retrieved November 11, 2013, from http://www.environment.gov.au/biodiversity/threatened/species/pubs/64440-conservation-advice.pdf?_sm_au_=iVVDqWTJwNHMQtk

Threatened Species Scientific Committee (TSSC) 2008d, '*Commonwealth Conservation Advice on Cadellia pentastylis (Ooline)*', Department of the Environment, Water, Heritage and the Arts, retrieved from <http://www.environment.gov.au/biodiversity/threatened/species/pubs/9828-conservation-advice.pdf>.

Threatened Species Scientific Committee (TSSC) 2008e, '*Commonwealth Conservation Advice on Neoroepora buxifolia*', Department of the Environment, Water, Heritage and the Arts, retrieved from <http://www.environment.gov.au/biodiversity/threatened/species/pubs/13375-conservation-advice.pdf>.

Threatened Species Scientific Committee (TSSC) 2008f, '*Commonwealth Conservation Advice on Marsdenia brevifolia*', Department of the Environment, Water, Heritage and the Arts, retrieved from <http://www.environment.gov.au/biodiversity/threatened/species/pubs/64585-conservation-advice.pdf>.

Threatened Species Scientific Committee (TSSC) 2008g, '*Commonwealth Conservation Advice on Pimelea leptospermoides*', Department of the Environment, Water, Heritage and the Arts, retrieved from <http://www.environment.gov.au/biodiversity/threatened/species/pubs/20849-conservation-advice.pdf>.

Threatened Species Scientific Committee (TSSC) 2008h, '*Commonwealth Conservation Advice on Black Iron Box*', Department of the Environment, Water, Heritage and the Arts, retrieved from <http://www.environment.gov.au/biodiversity/threatened/species/pubs/16344-conservation-advice.pdf>.

Threatened Species Scientific Committee (TSSC) 2013, '*Approved Conservation Advice for the Brigalow (Acacia harpophylla dominant and co-dominant) ecological community*'.

Van Dyck, S & Strahan, R 2008, '*The Mammals of Australia*.' 3rd edn, Reed New Holland, Sydney.

Williams, C.K. 1979, '*Ecology of Australian chats (Ephianura Gould): reproduction in aridity. Australian*', *Journal of Zoology*, vol. 27, no. 213-229.

16.11 Listed migratory species

Bannister, J. 2012, '*Humpback Whale, Megaptera novaeangliae (Borowski, 1781)*', in *Queensland's Threatened Animals*, eds. Curtis, L.K., Dennis, A.J., McDonald, K.R., Kyne, P.M., Debus, S.J.S., pp 420-421 CSIRO Publishing, Collingwood, Australia.

Best, P.B., D.S. Butterworth & L.H. Rickett 1984, '*An assessment cruise for the South African inshore stock of Bryde's Whales (Balaenoptera edeni)*', report of the International Whaling Commission, vol. 34, pp. 403-423.

Britton, A 2007, '*Proposal for raising Eden Bann Weir and construction of Rookwood Weir – An assessment of the potential implications and proposed mitigation measures for saltwater crocodiles (Crocodylus porosus)*', Commercial-in-confidence report prepared for the prepared for Department of Natural Resources and Water, Queensland.

Cagnazzi D, Parra GJ, Westley S, Harrison PL 2013, '*At the Heart of the Industrial Boom: Australian Snubfin Dolphins in the Capricorn Coast, Queensland, Need Urgent Conservation Action*', PLoS ONE 8(2): e56729. doi:10.1371/journal.pone.0056729.

Curtis, L. 2012, '*Flatback Turtle, Natador depressus (Garman, 1880)*', in *Queensland's Threatened Animals*, eds. Curtis, L.K., Dennis, A.J., McDonald, K.R., Kyne, P.M., Debus, S.J.S., pp 197-198 CSIRO Publishing, Collingwood, Australia.

Department of the Environment (DoE) 2013, '*Matters of National Environmental Significance-Significant Impact Guidelines 1.1*', Australian Government, Canberra.

Department of the Environment (DoE) 2013a, '*Fork Tailed Swift*', retrieved July 2013, from http://www.environment.gov.au/cgi-bin/sprat/public/publicspecies.pl?taxon_id=678.

Department of the Environment (DoE) 2013b, '*Puffinus carneipes*', retrieved July 2013, from http://www.environment.gov.au/cgi-bin/sprat/public/publicspecies.pl?taxon_id=1043.

- Department of the Environment (DoE) 2013c, '*Little tern*', retrieved July 2013, from http://www.environment.gov.au/cgi-bin/sprat/public/publicspecies.pl?taxon_id=813.
- Department of the Environment (DoE) 2013d, '*Bryde's whale*', retrieved July 2013, from http://www.environment.gov.au/cgi-bin/sprat/public/publicspecies.pl?taxon_id=35.
- Department of the Environment (DoE) 2013e, '*Killer whale orca*', retrieved July 2013, from http://www.environment.gov.au/cgi-bin/sprat/public/publicspecies.pl?taxon_id=46.
- Department of the Environment (DoE) 2013f, '*Indo Pacific humpback dolphin*', retrieved July 2013, from http://www.environment.gov.au/cgi-bin/sprat/public/publicspecies.pl?taxon_id=50.
- GHD 2009, '*Benthic Marine Ecology Assessment for Western Basin EIS*', Gladstone.
- Grech, A. and H. Marsh 2007, '*Prioritising areas for dugong conservation in a marine protected area using a spatially explicit population model*', Applied GIS, vol. 3, no. 2, p. 1-14.
- Homes, T. 2012, '*Little Tern, Sternula albifrons sinesis (Gmelin, 1789)*', in *Queensland's Threatened Animals*, eds. Curtis, L.K., Dennis, A.J., McDonald, K.R., Kyne, P.M., Debus, S.J.S., pp 280-281 CSIRO Publishing, Collingwood, Australia.
- Kato, H. 2002, '*Bryde's Whales Balaenoptera edeni and B. brydei*', In *Encyclopedia of Marine Mammals*, eds. Perrin W.F., B. Wersig & H.G.M. Thewissen, Academic Press, pp. 171-177.
- Kyne, P. and Curtis, L. 2012, '*Porbeagle, Lamna nasus (Bonnaterre, 1788)*', in *Queensland's Threatened Animals*, eds. Curtis, L.K., Dennis, A.J., McDonald, K.R., Kyne, P.M., Debus, S.J.S., pp 72-73 CSIRO Publishing, Collingwood, Australia.
- Last, P.R. and Stevens, J.D. 2009, '*Sharks and Rays of Australia*', 2nd Edition, CSIRO Publishing, Collingwood, Australia.
- Marsh, HG, De'ath, N, Gribble and Lane, B 2005, '*Historical marine population estimates: triggers or target for conservation? The dugong case study*', Ecological Applications, vol. 15, pp. 481-492.
- Marsh, H., Weiss, K. and Grech, A. 2012, '*Dugong, Dugong dugon (Muller, 1776)*', in *Queensland's Threatened Animals*, eds. Curtis, L.K., Dennis, A.J., McDonald, K.R., Kyne, P.M., Debus, S.J.S., CSIRO Publishing, Collingwood, Australia, pp. 410-411.
- Meekan, M. and Speed, C. 2012, '*Whale Shark, Rhincodon typus (Smith, 1828)*', in *Queensland's Threatened Animals*, eds. Curtis, L.K., Dennis, A.J., McDonald, K.R., Kyne, P.M., Debus, S.J.S., CSIRO Publishing, Collingwood, Australia, pp. 62-63.
- Miller, J. and Limpus, C 2012a, '*Loggerhead Turtle, Caretta caretta (Linnaeus, 1758)*', in *Queensland's Threatened Animals*, eds. Curtis, L.K., Dennis, A.J., McDonald, K.R., Kyne, P.M., Debus, S.J.S., CSIRO Publishing, Collingwood, Australia, pp. 187-188.
- Miller, J. and Limpus, C 2012b, '*Green Turtle, Chelonia mydas (Linnaeus, 1758)*', in *Queensland's Threatened Animals*, eds. Curtis, L.K., Dennis, A.J., McDonald, K.R., Kyne, P.M., Debus, S.J.S., CSIRO Publishing, Collingwood, Australia, pp. 189-190.
- Miller, J. and Limpus, C 2012c, '*Leatherback Turtle, Dermochelys coriacea (Vandelli, 1761)*', in *Queensland's Threatened Animals*, eds. Curtis, L.K., Dennis, A.J., McDonald, K.R., Kyne, P.M., Debus, S.J.S., CSIRO Publishing, Collingwood, Australia, pp. 191-192.

- Miller, J. and Limpus, C 2012d, '*Hawksbill Turtle, Eretmochelys imbricata (Linnaeus, 1758)*', in *Queensland's Threatened Animals*, eds. Curtis, L.K., Dennis, A.J., McDonald, K.R., Kyne, P.M., Debus, S.J.S., CSIRO Publishing, Collingwood, Australia, pp. 193-194.
- Miller, J. and Limpus, C 2012e, '*Olive Ridley Turtle, Lepidochelys olivacea (Eschscholtz, 1829)*', in *Queensland's Threatened Animals*, eds. Curtis, L.K., Dennis, A.J., McDonald, K.R., Kyne, P.M., Debus, S.J.S., CSIRO Publishing, Collingwood, Australia, pp. 195-196.
- Read, M 2012, '*Estuarine Crocodile, Crocodylus porosus (Schneider, 1801)*', in *Queensland's Threatened Animals*, eds. Curtis, L.K., Dennis, A.J., McDonald, K.R., Kyne, P.M., Debus, S.J.S., CSIRO Publishing, Collingwood, Australia, pp. 185-186.
- Van Dyck, S and Strahan, R 2008, '*The Mammals of Australia*', 3rd ed, Sydney, Reed New Holland.
- Walbridge, P. 2012, '*Southern Giant-Petrel, Macronectes giganteus (Gmelin, 1789)*', in *Queensland's Threatened Animals*, eds. Curtis, L.K., Dennis, A.J., McDonald, K.R., Kyne, P.M., Debus, S.J.S., CSIRO Publishing, Collingwood, Australia, pp. 260-261.

16.12 Cumulative and consequential impacts

- Accad, A, Neldner, VJ, Wilson, BA and Niehus, RE 2012, '*Remnant Vegetation in Queensland. Analysis of remnant vegetation 1997-2009, including regional ecosystem information*', Queensland Department of Science, Information Technology, Innovation and the Arts, Brisbane.
- Agriculture and Resource Management Council of Australia and New Zealand 1997, '*National Guidelines for Beef Cattle Feedlots in Australia*', 2nd edition, Standing Committee on Agriculture and Resource Management - Report 47, CSIRO Publishing, Collingwood, Victoria.
- Britton, A 2007, '*Impact assessment of modified water infrastructure (Fitzroy Barrage) on the Fitzroy River saltwater crocodile – Potential implications and proposed mitigation measures for saltwater crocodiles (Crocodylus porosus)*', Commercial-in-confidence report prepared for the Department of Natural Resources and Water, Queensland.
- Brodie, J., Waterhouse, J., Schaffelke, B., Kroon, F., Thorburn, P., Rolfe, J., Johnson, J., Fabricius, K., Lewis, S., Devlin, M., Warne, M. and McKenzie, L.J. 2013, *2013 Scientific Consensus Statement: Land use impacts on Great Barrier Reef water quality and ecosystem conditions*, Reef Water Quality Protection Plan Secretariat, Brisbane.
- Butler, DW 2007, '*Recovery plan for the "Brigalow (Acacia harpophylla dominant and co-dominant)" endangered ecological community (draft of 1 May 2007)*', report to the Department of the Environment and Water Resources, Canberra. Queensland National Parks and Wildlife Service, Brisbane.
- Commonwealth of Australia 2015, '*The Reef 2050 Long-Term Sustainability Plan*', retrieved May 26, 2015, from <http://www.environment.gov.au/marine/gbr/publications/reef-2050-long-term-sustainability-plan>.
- Department of Agriculture, Fisheries and Forestry 2013, '*Queensland Agricultural Land Audit*', Queensland Government.
- Department of Agriculture and Fisheries, 2015, '*Important agricultural areas and locally important agricultural areas*', Queensland Government, retrieved March 2015, from

<https://www.daff.qld.gov.au/environment/ag-land-audit/guide-for-local-government/important-agricultural-areas>.

Department of the Environment (DoE) 2014, '*Species Profile and Threats Database*' Australian Government, Canberra.

Department of Environment and Resource Management (DERM) 2008, '*Fitzroy NRM Region 'Back on Track' Biodiversity Action Plan*', Queensland, Queensland Government.

Department of Infrastructure 2007, '*Fitzroy Industry Infrastructure Study, Summary results of technical studies*', Queensland Government.

Department of State Development, 2015, '*Gladstone State Development Area*', Queensland Government, retrieved April 2015, from <http://www.statedevelopment.qld.gov.au/coordinator-general/gladstone-state-development-area.html>.

Department of State Development, Infrastructure and Planning (DSDIP) 2013a, '*Central Queensland Regional Plan*', retrieved May 26, 2015, <http://www.dlg.qld.gov.au/resources/plan/central-queensland/central-queensland-regional-plan.pdf>.

Department of State Development, Infrastructure and Planning (DSDIP) 2013b, '*Great Barrier Reef Coastal Zone Strategic Assessment, strategic assessment report*', State of Queensland.

Department of State Development, Infrastructure and Planning (DSDIP) 2014, '*Great Barrier Reef Coastal Zone Strategic Assessment, strategic assessment report 2014*', State of Queensland.

Fitzroy Basin Association 2008, '*Fitzroy Basin Water Quality Improvement Report*', Rockhampton, Fitzroy Basin Association.

Fitzroy Shire Planning Scheme 2005, retrieved May 25, 2015, from http://www.rockhamptonregion.qld.gov.au/Council_Services/Planning_and_Development/Current_Planning_Schemes.

Franks, DM, Brereton, D, Moran, CJ, Sarker, T and Cohen, T 2010, '*Cumulative Impacts – A good practice guide for the Australian coal mining industry*', Brisbane, Centre for Social Responsibility in Mining and Centre for Water in the Minerals Industry, Sustainable Minerals Institute, The University of Queensland.

FSA Consulting 2011, '*National Environmental Guidelines for Piggeries 2nd Edition (revised)*', Australian Pork Limited.

Gladstone Area Water Board (GAWB) 2008, '*Gladstone-Fitzroy Pipeline Project Environmental Impact Statement*', GAWB.

GHD 2010, '*Rockhampton Regional Council Industrial Land use Study*', retrieved May 26, 2015 from <http://www.livingstone.qld.gov.au/DocumentCenter/Home/View/1908>.

GHD 2006, '*Fitzroy Agricultural Development Area Land Suitability Study*', The Coordinator General, Department of State Development and Innovation.

GHD 2007, '*Report for Fitzroy Agricultural Corridor Nutrient Export Risk from Hypothetical Feedlots*', Department of Infrastructure.

Great Barrier Reef Marine Park Authority (GBRMPA) 2013, '*Fitzroy Basin Assessment: Fitzroy Basin Association Natural Regional management Region*', GBRMPA, Townsville.

Great Barrier Reef Marine Park Authority (GBRMPA) 2014, '*Great Barrier Reef Outlook Report 2014*', GBRMPA, Townsville, QLD.

Hart, B. 2008, '*Report to Queensland Premier: Review of the Fitzroy River Water Quality Issues*', Water Science Pty Ltd and Water Studies Centre, Monash University.

Meat and Livestock Australia Limited 2012a, '*National beef cattle feedlot environmental code of practice 2nd Edition*', Meat and Livestock Australia, NSW, Australia.

Meat and Livestock Australia Limited 2012b, '*National guidelines for beef cattle feedlots in Australia 3rd Edition*', Meat and Livestock Australia, NSW, Australia.

Millar, G, Lewis, S, Carroll, C 2001, '*The neighbourhood catchment approach to achieving regional change*', Department of Natural Resources and Mines, Queensland.

Regional Development Australia (RDA) 2014, '*Growing Central Queensland: The Fitzroy River Agricultural Corridor*', retrieved May 25, 2015, from <http://rdafcw.com.au/wp-content/uploads/RDAFCW-BKAgriCorridor-Fitzroy.pdf>.

Rockhampton Regional Council (RRC) 2012, '*Rockhampton City Plan 2005*', accessed February 2013, from www.rockhamptonregion.qld.gov.au/Council_Services/Planning_and_Development/Current_Planning_Schemes.

The State of Queensland 2013, '*Reef Water Quality Protection Plan 2013: Securing the health and resilience of the Great Barrier Reef World Heritage Area and adjacent catchments*', retrieved May 26, 2015, from <http://www.reefplan.qld.gov.au/resources/assets/reef-plan-2013.pdf>.

16.13 Environmental Management System

Department of Environment and Heritage Protection (DEHP) 2013, '*Noise Measurement Manual*', Brisbane, Queensland Government.

Department of Environment and Resource Management (DERM) 2010, '*Urban Stormwater Quality Planning Guidelines*', Queensland Government.

Institute of Engineers Australia (QLD Division), 1996. '*Soil Erosion and Sediment Control- Engineering Guidelines for Queensland Construction*'.

International Erosion Control Association (IECA) 2008, '*Best Practice Erosion and Sediment Control Guideline*', Catchments & Creeks Pty Ltd, Brisbane.

16.14 Offsets

Connell, M. 2011, '*Mary River Turtle Conservation Project 2010-2011 nesting season*', Tiaro & District Landcare Group.

Connell, M. 2012, '*Mary River Turtle Conservation Project 2011-2012 nesting season*', Tiaro & District Landcare Group.

Connell, M. and Wedlock, B. 2006, '*Mary River turtle protection: Tiaro District of Southeast Queensland, 2005-2006 nesting season*', Environmental Protection Agency, Queensland Government.

Department of Environment and Heritage Protection (DEHP) 2014, '*Queensland Environmental Offsets Policy (Version 1.0)*', Queensland Government, Brisbane.

Department of Environment and Resource Management (DERM) 2008, '*Fitzroy NRM Region 'Back on Track' Biodiversity Action Plan*', Queensland Government.

Department of Environment, Water, Heritage and Arts (DEWHA) 2008a, '*Threat abatement plan for predation by feral cats*', retrieved from:
<http://www.environment.gov.au/biodiversity/threatened/publications/tap/predation-feral-cats>.

Department of Environment, Water, Heritage and Arts (DEWHA) 2008b, '*Threat abatement plan for predation by European red fox*', retrieved from
<http://www.environment.gov.au/resource/predation-european-red-fox>.

Department of the Environment (DoE) 2013, '*Matters of National Environmental Significance- Significant Impact Guidelines 1.1*', Australian Government, Canberra.

Department of the Environment and Heritage (DEH) 2005, '*Threat abatement plan for predation, habitat degradation, competition and disease transmission by feral pigs*', retrieved from
<http://www.environment.gov.au/resource/threat-abatement-plan-predation-habitat-degradation-competition-and-disease-transmission>.

Greening Australia 2012, '*A revegetation guide for Eucalypt woodlands*', Greening Australia.

Hale, L 2009, '*Australia's bum breathing turtle gets a helping hand*', retrieved March 2 2015, from
<http://kawarthaturtle.org/blog/2009/01/29/australias-bum-breathing-turtle-gets-a-helping-hand/>.

Limpus, C.J., Limpus, D.J., Parmenter, C.J., Hodge, J., Forrest, M.J. and McLachlan, J 2007, '*Proposal for raising Eden Bann Weir and construction of Rookwood Weir – an assessment of the potential implications and mitigation measures for Fitzroy Turtles*', Commercial-in-confidence report prepared for the Department of Infrastructure, Queensland.

Limpus, C.J., Limpus, D.J., Hollier, C., Savige, M., McAllister, D. 2011, '*Survey of Freshwater turtle populations and nesting habitat, Tartus Weir Turtleway Project*', Department of Environment and Heritage Protection, Queensland Government, Brisbane.

Nangura Environmental Services (Nangura) 2007, '*Proposal for raising Eden Bann Weir and construction of Rookwood Weir – An assessment of the potential implications on native vegetation and terrestrial ecosystems*', Commercial-in-confidence report prepared for Department of Infrastructure, Queensland.

Threatened Species Scientific Committee (TSSC) 2008, '*Eucalyptus raveretiana— Black Ironbox. Species Profile and Threats Database*', Department of the Environment, retrieved November 11, 2013, from www.environment.gov.au/cgi-bin/sprat/public/publicspecies.pl?taxon_id=16344.

Threatened Species Scientific Committee (TSSC) 2013, '*Approved Conservation Advice for the Brigalow (Acacia harpophylla dominant and co-dominant) ecological community*'.

Stockfeld, G. and Kleinert, H. 2013, '*Partners protecting turtles*', RipRap Edition 35, Australian River Restoration Centre.

16.15 Conclusion

Department of Natural Resources and Water (DNRW) 2006, '*Central Queensland Regional Water Supply Strategy*', Rockhampton, Queensland Government.