

11. TERMINOLOGY AND ABBREVIATIONS

A..... 1
B..... 2
C..... 2
D..... 3
E..... 4
F..... 5
G..... 5
H..... 6
I..... 6
J..... 6
K..... 7
L..... 7
M..... 7
N..... 8
P..... 9
Q..... 10
R..... 10
S..... 11
T..... 12
V..... 12
W..... 13
Y..... 14

11 REFERENCES

A

- ABC (2009) Possum Dreaming – Photo Gallery. Available <http://www.abc.net.au/science/scribblygum/May2000/gallery.htm>. Accessed 25 November 2009.
- Abu-Zidan, F., Parmar, K. and Rao, S. (2002) Kangaroo-related Motor Vehicle Collisions. *Journal of Trauma, Injury, Infection and Critical Care*. 53:360-363.
- Ambrose, S. (2008a) *Transparent Noise Walls and Bird Mortality on New South Wales Roads: A Review of the Problem and Suggested Mitigation Measures*. Prepared for NSW Roads and Traffic Authority, Environmental Branch, Ryde, New South Wales.
- Ambrose, S. (2008b) *Specialist Advice: Transparent Noise Walls and Bird Mortality*. Report prepared for the Roads and Traffic Authority, Sydney, New South Wales.
- Aresco, M.J. (2003) Highway Mortality of Turtles and Other Herpetofauna at Lake Jackson, Florida, USA, and the Efficacy of a Temporary Fence/Culvert System to Reduce Roadkills. *Road Ecology Centre eScholarship Repository*. University of California, USA.
- Australian Geographic (2000) Bridge to Life. *Australian Geographic*. 59(10).
- Australian Museum Business Services (1997) *Fauna Usage of Three Underpasses Beneath the F3 Freeway Between Sydney and Newcastle*. Prepared for the NSW Roads and Traffic Authority, Sydney, New South Wales.
- Australian Museum Business Service (2001a) *Fauna Underpass Monitoring, Stage 1 - Final Report - Brunswick Heads*. Report for the NSW Roads and Traffic Authority, Sydney, New South Wales.
- Australian Museum Business Services (2001b) *Fauna Underpass Monitoring: Stage 1 - Final report - Bulahdelah to Coolongolook*. Report for the NSW Roads and Traffic Authority, Sydney, New South Wales.
- Australian Museum Business Services (2001c) *Fauna Underpass Monitoring: Stage 2 - Episode 3 - Bulahdelah to Coolongolook*. Report for the NSW Roads and Traffic Authority, Sydney, New South Wales.
- Australian Museum Business Services (2001d) *Pacific Highway - Fauna Underpass Monitoring: Stage 2 – Episode 3 Taree*. Report for the NSW Roads and Traffic Authority, Sydney, New South Wales.
- Australian State of the Environment Committee (2001) *Australia State of the Environment 2001*. Independent Report to the Commonwealth Minister for the Environment and Heritage, CSIRO Publishing on behalf of the Department of the Environment and Heritage, Canberra. Available: <http://www.environment.gov.au/soe/2001/publications/report/index.html>. Accessed 7 August 2007.
- Australian Wetlands Pty Ltd (2006) *Wallum Sedge Frog (Litoria olongburensis) Wetland Habitat Relocation DRAFT* (including diagrams). Prepared for PacificLink Alliance, Queensland.
- Austroroads (2000) *Ecologically Sustainable Development: Toolbox. Part A: Guidance Package; Part B: Case Studies*. AP-R166/00. Austroroads, Sydney, New South Wales.

B

- Ball, T.M. and Goldingay, R.L. (2007) *Can Wooden Poles be Used to Reconnect Habitat for a Gliding Marsupial?* Unpublished.
- Bank, F.G., Irwin, C.L., Evink, G.L., Gray, M.E., Hagood, S., Kinar, J.R., Levy, A., Paulson, D., Ruediger, B., Sauvajot, R.M., Scott, D.J. and White, P. (2002) *Wildlife Habitat Connectivity Across European Highways*. United States Department of Transportation, Federal Highway Administration, Office of International Programs Office of Policy, Washington, USA.
- Barnes, D. (2007) *Fauna Use of Underpasses*. Connell Wagner, Brisbane, Queensland.
- Bax, D. (2006) *Karuah Bypass: Fauna Crossing Report*. Prepared for the NSW Roads and Traffic Authority.
- Beyer, G.L. and Goldingay, R.L. (2006) The Value of Nest Boxes in the Research and Management of Australian Hollow-using Arboreal Marsupials. *Wildlife Research*. 33:161-174.
- Bissonette, J.A. and Cramer, P.C. (2008) *Evaluation of the Use and Effectiveness of Wildlife Crossings*. NCHRP Report 615. National Cooperative Highway Research Program. USA.
- Bond, A. and Jones, D. (2006) *Fauna use of Underpasses and the Land Bridge at Compton Road: Results from Six Months Passive Monitoring*. Report for the Brisbane City Council. Suburban Wildlife Research Group, Griffith University, Brisbane.
- Bond, A. and Jones, D. (2007) *Temporal Trends in Use of Fauna-friendly Underpasses and Overpasses*. Unpublished, Centre for Innovative Conservation Strategies, Griffith University, Brisbane.
- Brown, K. and Stevenson, W. (2004) *Tugun Bypass Species Impact Statement and Equivalent Studies under Relevant Queensland and Commonwealth Environmental Legislation*. DoTARS, NSW Roads and Traffic Authority and Queensland Department of Main Roads.
- Brisbane City Council (2005a) *Biodiversity Research Partnerships Program - Wildlife Movement Solutions - Compton Road: successful solutions*. Brisbane, Queensland.
- Brisbane City Council (2005b) *Collared Delma: Conservation Action Statement*. Brisbane, Queensland.
- Brisbane City Council. (Undated) *Ecological Assessment Guidelines*. Available: http://www.brisbane.qld.gov.au/BCC:BASE::pc=PC_1644. Accessed 2 September 2009.

C

- Caneris, A. (2007) *Koala Movement*. Available: http://www.redland.qld.gov.au/NR/rdonlyres/0E353C6F-6005-4905-B990-3261494D7EDC/0/Adrian_Caneris.pdf. Accessed 26 November 2007.
- Caneris, A.H. and Jones, P.M. (2004) *Action Plan to Reduce Koala Hits from Vehicles in Redland Shire*. Redland Shire Council, Queensland.
- Caneris, A. and Ingram, G. (2003) *Review and Fauna Management Advice: Compton Road Kuraby*. Prepared for Brisbane City Council, Biodiversity Assessment and Management Pty Ltd, Brisbane, Queensland.
- Carrick, F.N. and Grimley, A.J. (1994) *Platypus in Near Urban Waterways of Brisbane City*. Prepared for Brisbane City Council, Brisbane, Queensland.
- Chambers, J. and Ingram, G. (2005) *Can A Fence Stop a Frog? Results of Frog Exclusion Fencing Trials*. Prepared by Biodiversity Assessment and Management Pty Ltd for Parsons Brinckerhoff Australia Pty Ltd, Brisbane, Queensland.

- Chenoweth Environmental Planning and Landscape Architecture. (2003) *Ecological Corridors and Edge Effects Project: Case Study - Greenbank - Karawatha Corridor*. Chenoweth Environmental Planning and Landscape Architecture, Brisbane, Queensland.
- Churchill, T.B. (1995) *Scales of Spatial and Temporal Variation in a Tasmanian Heathland Spider Community*. Unpublished. Thesis. Griffith University, Brisbane, Queensland.
- Churchill, T.B. (1997) Spiders as Ecological Indicators: An Overview for Australia. *Proceedings of the Invertebrate Biodiversity and Conservation Conference*, Melbourne, Victoria. 52(2):331-337.
- Churchill, T.B. (2008) *Invertebrate Research Initiative: Using Invertebrates to Monitor and Evaluate Environmental Change across Brisbane City*. Initial Project Report 2008. Report prepared for Brisbane City Council, Brisbane, Queensland.
- Churchill, T.B. and Ludwig, J.A. (2004) Changes in Spider Assemblages in Relation Along Grassland and Savanna Grazing Gradients in Northern Australia. *The Rangeland Journal*. 26(1):3-16.
- Claridge, A. W. and Lindenmayer, D.B. (1998) Consumption of Hypogeous Fungi by the Mountain Brushtail Possum (*T. caninus*) in Eastern Australia. *Mycological Research* 102: 269–272.
- Clevenger, A.P. and Waltho, N. (2005) Performance Indices to Identify Attributes of Highway Crossing Structures Facilitating Movement of Large Mammals. *Biological Conservation*. 121(3).
- Clevenger, A.P., Chruszcz, B. and Gunson, K. (2001) Drainage Culverts as Habitat Linkages and Factors Affecting Passage by Mammals. *Journal of Applied Ecology*. 38:1340-1349.
- Clevenger, A.P. and Waltho, N. (2000) Factors Influencing the Effectiveness of Wildlife Underpasses in Banff National Park, Alberta, Canada. *Conservation Biology*. 14: 47-56.
- Cogger, H. (2000) *Reptiles and Amphibians of Australia*. (6th edition). New Holland Publishers, Australia Pty Ltd, Sydney, New South Wales.
- Cohen, M. (2008) *A Step-by-step Guide to Setting Up Infra-red Video Cameras (Faunatech) to Monitor Wildlife on a Rope Canopy Bridge*. Prepared for the Queensland Department of Main Roads, Brisbane.
- Cotterell, E. (1998) *Fish Passage in Streams: Fisheries Guidelines for Design of Stream Crossings: Fish Habitat Guideline FHG001*. Prepared for the Queensland Department of Primary Industries, Queensland.
- Cuskelly, M. and Los, T. (2007) *Tugun Bypass: Where, What, How and When?* Presented at Queensland Department of Main Roads Environment and Heritage Symposium (4 September 2007).

D

- Department of Environment and Climate Change (2002) *Native Animal Fact Sheets Bandicoots*. Available: <http://www.environment.nsw.gov.au/plantsanimals/bandicoots.htm>. Accessed 3 September 2009.
- Department of Environment and Climate Change (2007) *Threatened and Pest Animals of Greater Southern Sydney: Fauna of Conservation Concern and Priority Pest Species*. Available: <http://www.environment.nsw.gov.au/resources/threatenedspecies/07471tpagssvol2pt10mammals2.pdf>. Accessed 3 September 2009.
- Department of Environment and Resource Management (2010) *A-Z of plants and animals*. Available: http://www.derm.qld.gov.au/wildlife-ecosystems/wildlife/threatened_plants_and_animals/endangered/mahogany_glider.html Accessed 27 January 2010.

Department of the Environment, Water, Heritage and the Arts (2009) *Burramys parvus*. Species Profile and Threats Database. Canberra, ACT. Available: <http://www.environment.gov.au/sprat>. Accessed 6 March 2009.

Department of the Environment, Water, Heritage and the Arts (2009) *Litoria lorica*. Species Profile and Threats Database. Available: <http://www.environment.gov.au/sprat>. Accessed 3 September 2009.

Department of Primary Industries (2006) *Reducing the Impact of Road Crossings on Aquatic Habitat in Coastal Waterways – Northern Rivers, NSW*. Report to the New South Wales Environmental Trust, NSW Department of Primary Industries: Wollongbar, New South Wales.

Department of Urban Affairs and Planning (2000) *Bonville Project Pacific Highway Coffs Harbour. Director-General's Report Section 115C of the Environmental Planning and Assessment Act 1979*. New South Wales.

DK Images (Undated) *Canopy Road Sign*. Available: <http://www.dkimages.com/discover/Home/Geography/North-America/United-States/South/Florida/Panhandle/Roads/Canopy-Road-Sign/index.html>. Accessed 22 August 2007.

Drury, W.L., Wilson, S.K. and Vanderduys, E. (2002) *Fauna of the Darling Downs Rail Corridors: Diversity and Management Options*. Report by World Wildlife Fund for Queensland Rail, Queensland.

E

Ecological Associates Inc (2002) *Coastal Roadway Lighting Manual: A Handbook of Practical Guidelines for Managing Street Lighting to Minimise Impacts to Sea Turtles*. Prepared for Florida Power and Light Company. Available: http://www.myfwc.com/WILDLIFEHABITATS/SeaTurtle_index.htm. Accessed 4 September 2009.

Ecosure. (2005) *Bird Management Plan: Tugun Bypass*. Report for Queensland Government Department of Main Roads, Queensland.

Ehmann, H. (1992) *Encyclopaedia of Australian animals: Reptiles*. Angus and Robertson. Pymble, New South Wales.

Environmental Protection Agency (1998) Tropical Topics: An Interpretive Newsletter for the Tourism Industry. Newsletter No. 46. Available: <http://www.derm.qld.gov.au/register/p00820bo.pdf>. Accessed 27 January 2010.

Environmental Protection Agency (2004) State Planning Policy 1/97 Conservation of koalas in the Koala Coast: Five Year Review Report. Available: <http://www.derm.qld.gov.au/register/p01520aa.pdf>. Accessed 27 January 2010.

Environmental Protection Agency (2006) *Nature Conservation (Koala) Conservation Plan 2006 and Management Program 2006 – 2016*. Available: <http://www.derm.qld.gov.au/register/p01950aa.pdf>. Accessed 27 January 2010.

Environmental Protection Agency (2007) *Common Death Adder*. Available: http://www.derm.qld.gov.au/wildlife-ecosystems/wildlife/az_of_animals/common_death_adder.html. Accessed 27 January 2010.

Eyre, T. (2004) Distribution and Conservation Status of the Possums and Gliders in Southern Queensland. In Goldingay, R. and Jackson, S. *The Biology of Australian Possums and Gliders*. Pp. 1-25, Surrey Beatty & Sons, Chipping Norton.

F

- Fahrig, L. Pedlar, J.H., Pope, S.E., Taylor, P.D. and Wegner, J.F. (1995) Effect of Road Traffic on Amphibian Density. *Biological Conservation*. 73: 177-182.
- Fairfull, S. and Witheridge, G. (2002) *Why Do Fish Need to Cross the Road: National Guidelines on Fish Passage Requirements for Waterway Crossings*. Catchment and Creeks Pty Ltd. Sydney, New South Wales.
- Finegan, A. (2004) *Fauna Underpasses Along the Pacific Highway between Gosford and Coolongolook* presentation.
- Forman, R., Sperling, D., Bissonette, J., Clevenger, A., Cutshall, C., Dale, V., Fahrig, L., France, R., Goldman, C., Heanue, K., Jones, J., Swanson, F., Turrentine, T. and Winter, T. (2003) *Road Ecology: Science and Solutions*, Island Press, Washington, United States of America.
- Frogs Australia Network (2005) *Litoria brevipalmata*. *Australian Frogs Database*. Available: http://frogsaustralia.net.au/frogs/display.cfm?frog_id=135. Accessed 3 September 2009.

G

- Gibbs, J.B. (1998) Amphibian Movements in Response to Forest Edges, Roads and Streambeds in Southern New England. *Journal of Wildlife Management*. 62: 584-589.
- Gibson S. (2001) Designer Décor. *Wet Tropics Newspaper*. Dry Season Edition: 15.
- Goosem, M. (2002) Effectiveness of Tropical Rainforest Roads on Small Mammals: Fragmentation, Edge Effects and Traffic Disturbance. *Wildlife Research*. 29:277-289.
- Goosem, M. (2004) *Progress Report - East Evelyn Underpass Monitoring Project*. Rainforest Cooperative Research Centre, Cairns, Queensland.
- Goosem, M. (2005) *Wildlife Surveillance Assessment Compton Road Upgrade 2005 - Review of Contemporary Options for Monitoring*. Unpublished Report to the Brisbane City Council, Rainforest CRC, Cairns, Queensland.
- Goosem, M. (2008) Rethinking Road Ecology. In: Stork, N. and Turton, S. (eds.). *Living in a Dynamic Tropical Forest Landscape*. Chapter 36. Blackwell Publishing, Oxford, Pp 445-459.
- Goosem, M., Harriss, C., Chester, G. and Tucker, N. (2004) *Kuranda Range: Applying Research to Planning and Design Review*. Rainforest CRC. Prepared for Department of Main Roads, Queensland.
- Goosem, M., Izumi, Y. and Turton, S. (2001) Efforts to Restore Habitat Connectivity for an Upland Tropical Rainforest Fauna: A Trial of Underpasses Below Roads. *Ecological Management and Restoration*. 2(3):196-202.
- Goosem, M. and Turton S. (2000) *Impacts of Roads and Powerlines on the Wet Tropics World Heritage Area*. Cooperative Research Centre for Tropical Rainforest Ecology and Management, Queensland.
- Goosem, M and Weston, N. (2002) Under and Over. *Wildlife Australia*. 39(3):34-37.
- Goosem, M., Weston, N. and Bushnell, S. (2005) Effectiveness of Rope Bridge Arboreal Overpasses and Faunal Underpasses in Providing Connectivity for Rainforest Fauna. *Wildlife Impacts on Conservation Solutions*. ICOET Proceedings. Chapter 8 Pp 304-315.
- Grant, T.R. 1991. The Biology and Management of the Platypus (*Ornithorhynchus anatinus*) in NSW. *Species Management Report Number 5*. NSW National Parks and Wildlife Service, New South Wales.

Grimley, A. and McKee, J. (1998) *Platypus Habitat at Canungra Creek Bridge Construction Sites*. Currumbin Sanctuary Research, Currumbin, NSW.

H

Harris, R.A. (1986) Vegetative Barriers: An Alternative Highway Noise Abatement Measure. *Noise Control Engineering Journal*. 27:4-8.

Hay, B. (2007) *Tugun Bypass Project Learnings Workshop* (Presentation). Queensland.

Hayes, I. (2006) *Effectiveness of Fauna Road-kill Mitigation Structures in North-eastern New South Wales*. School of Environmental Science and Management, Southern Cross University, Queensland.

Heads Road Reference Panel (2007) *The Forgotten Corner*. Available: <http://www.heads-road.org/>. Accessed 22 August 2007.

Holland, G., Bennett, A. and van der Ree, R. (2007) Time-budget and Feeding Behavior of the Squirrel Glider (*Petaurus norfolcensis*) in Remnant Linear Habitat. *Wildlife Research*. 34:288-295.

Hollow Log Homes (2005) *Hollow Log Homes*. Available: <http://www.hollowloghomes.com.au/HLHEntry2.htm>. Accessed 13 August 2007.

Hunt, A., Dickens, H. and Whelan, R. (1987) Movement of Mammals Through Tunnels under Railway Lines. *Australian Zoologist*. 24(2):89.

Hyde, V.B. (2007) Civil Engineering for Passage of Fish and Fauna. *Australian Journal of Water Resources*. 11(2):193-206.

I

Ingram, G. and Caneris, A. (2005) *Proposed Tugun Bypass: Review of Wallum Sedgefrog and Green-thighed Frog Final Report*. Prepared by Biodiversity Assessment and Management Pty Ltd for Parsons Brinckerhoff Australia Pty Ltd, Queensland.

Interface Magazine. (2002) *A Magazine for Staff of Queensland Transport and Main Roads*. (Media Release). March: 21.

Institute of Transportation Engineers (2007) *Chicane*. Available: <http://www.ite.org/traffic/tcstate.htm>. Accessed 13 August 2007.

Iuell, B., Bekker, G.J., Cuperus, R., Dufek, J. Fry, G., Hicks, C., Hlavac, V., Keller, V.B., Rosell, C., Sangwine, T., Torslov, N., Wandall, B. le Maire (eds.) (2003) *Wildlife and Traffic: A European Handbook for Identifying Conflicts and Designing Solutions*. European Co-operation in the Field of Scientific and Technical Research, Brussels.

J

Jackson, S.D. (1996) Underpass Systems for Amphibians. In: Evink, G.L., Garrett, P., Zeigler, D. and Berry, J. (eds.) *Trends in Addressing Transportation Related Wildlife Mortality*. Proceedings of the Transportation Related Wildlife Mortality Seminar. State of Florida Department of Transportation, Tallahassee, USA, P4.

Jones, D. (2006) Crossing Over – at Compton Road. *Wildlife*. Winter: 38.

Jungalwalla, A. (2003) *Outline Framework for Fauna Sensitive Road Design and Management*. Austroads Environmental Reference Group, Queensland.

K

- Kanowski, J. and Tucker, N. I. J. (2002) Trial of Shelter Poles to Aid the Dispersal of Tree Kangaroos on the Atherton Tablelands, North Queensland. *Ecological Management and Restoration*. 3(2).
- Kapitzke, I. R. (2005) *Multipurpose Design for Remediation of Fish Passage Barriers on Creek Road Crossings, Townsville, North Queensland*. National Environmental Engineering and Sustainability 2005 Conference. Sydney, New South Wales.
- Kapitzke, I. R. (2009) *Culvert Fishway Planning and Design Guidelines. Parts A – I*. Prepared for Department of Queensland Transport and Main Roads, Townsville, Queensland.
- Kavanagh, R. P., Stanton, M. A. and Brassil, T. E. (2007) Koalas Continue to Occupy Their Previous Home-ranges After Selective Logging in Callitris–Eucalyptus Forest. *Wildlife Research*. 34: 94–107.
- Keeley, B. and Tuttle, M. (1999) *Bats in American Bridges*. Resource Publication No. 4. Bat Conservation International Inc, America.
- Klocker, U., Croft, D. and Ramp, D. (2006) Frequency and Causes of Kangaroo-vehicle Collisions on an Australian Outback Highway. *Wildlife Research*. 33:5–15.
- Koala Konnection (Undated) *It's All Good*. Available: http://www.queensland.me.uk/nl4_content.htm. Accessed 22 August 2007.

L

- Lawrence, M., Sully, D., Beumer, J. and Couchman, D. (2009) *Fisheries Guidelines for Conducting an Inventory of Instream Structures in Coastal Queensland. Fish Habitat Guideline FHG 007*. Queensland Primary Industries and Fisheries. Queensland.
- Leopold-Woodridge, K. (2008) *Temporal Fauna Use of Seven Road Underpass Structures in Urban/Peri-Urban Landscapes in South-East Queensland (Spring 2007-Summer 2008)*. Honours Thesis, Griffith University, Queensland.
- Local Government and Planning (2001) Invitation to Join Community Revegetation Project. *Bush Telegraph*. Department of Communities and Information (media release).
- Lomov, B., Keith, D.A., Britton, D.R. and Hochuli, D.F. (2006) Are Butterflies and Moths Useful Indicators for Restoration Monitoring? A Pilot Study in Sydney's Cumberland Plain Woodland. *Ecological Management and Restoration*. 7(3).
- Los, T. and Stein, T. (2007) *Tugun Bypass Project Learnings Workshop* (presentation).
- Lunney, D., O'Neill, L., Matthews, A. and Sherwin, W. (2002) Modelling Mammalian Extinction and Forecasting Recovery: Koalas at Iluka. *Biological Conservation* 106:101–113.

M

- Mack, P. (2003) *Proposed Road Widening Compton Road, Kuraby Report on Ecological/Fauna Movement Issues*. Brisbane City Council, Brisbane, Queensland.
- Magnus, Z. (2004) *Wildlife Roadkill Mitigation Information Kit – A Guide for Local Government and Land Managers*. Tasmanian Environment Centre Inc., Hobart, Tasmania.
- Magnus, Z., Kriwoken, L., Mooney, N. and Jones, M. (2004) *Reducing the Incidence of Wildlife Roadkill: Improving the Visitor Experience in Tasmania*. Cooperative Research Centre for Sustainable Tourism, Tasmania.

- Marsden, T., Stewart, R., Woods, K., Jennings, D. Ianna, S. and Thorncraft, G. (2006) *Freshwater Fish Habitat Rehabilitation in the Mackay Whitsunday Region*. Queensland Primary Industries and Fisheries, Queensland.
- Main Roads Western Australia (2007) *Design of Fauna Underpasses*. Document no. 67-08-83, revision 1B. Main Roads Western Australia, Perth, Western Australia. Available <http://standards.mainroads.wa.gov.au/internet/standards/rtems/roadside/fauna.asp>. Accessed 4 November 2009.
- Mansergh, I. and Scotts, D. (1989) Habitat Connectivity and Social Organisation of the Mountain Pygmy-possum Restored by Tunnel. *The Journal of Wildlife Management*. 53(3):701-707.
- Marix-Evans, M. (2007) *Tugun Bypass Project Learnings Workshop* (Presentation).
- Maron, M. and Kennedy, S. (2006) Roads, Fire and Aggressive Competitors: Determinants of Bird Distribution in Subtropical Production Forests. *Forest Ecology and Management*, 240:24-31.
- Marsh, D., Milam, G., Gorham, N. and Beckman, N. (2005) Forest Roads as Partial Barriers to Terrestrial Salamander Movement. *Conservation Biology*. 19(6): 204-208.
- Matthews, A., Lunney, D., Gresser, S. and Maitz, W. (2007) Tree Use by Koalas (*Phascolarctos cinereus*) After Fire in Remnant Coastal Forest. *Wildlife Research*. 34(2): 84-93.
- McAlpine, C., Bowen, M., Callaghan, J., Lunney, D., Rhodes, J., Mitchell, D., Pullar, D. and Possingham, H. (2006) Testing Alternative Models for the Conservation of Koalas in Fragmented Rural-urban Landscapes. *Austral Ecology*. 31: 529-544.
- McAlpine, C., Rhodes, J., Callaghan, J., Bowen, M., Lunney, D., Mitchell, D., Pullar, D. and Possingham, H. (2006) The Importance of Forest Area and Configuration Relative to Local Habitat Factors for Conserving Forest Mammals: A Case Study of Koalas in Queensland, Australia. *Biological Conservation*. 132: 153-165.
- McAlpine C., Rhodes, J., Peterson, A., Possingham, H., Callaghan, J., Curran, T., Mitchell, D. and Lunney, D. (2007) *Planning Guidelines for Koala Conservation and Recovery: Guidelines for Best Practice*. Available: http://www.ecology.uq.edu.au/docs/news/Koala_Planning_Guidelines_UQ_AKF.pdf. Accessed 4 September 2009.
- McBain, R. (2002) *Roundabout RS & E*, for the Department of Main Roads, Media release February, P6.
- McPherson, G. and Metzger, G. (2007) *Tugun Bypass Project Learnings Workshop* (Presentation).
- Ministry of Transport, Public Works and Water Management (1995) *Wildlife Crossings for Roads and Waterways*. Road and Hydraulic Engineering Division, Ministry of Transport, Public Works and Water Management, Delft, The Netherlands.
- Moffett, M.W. (2000) What's "Up"? A Critical Look at the Basic Terms of Canopy Biology. *Biotropica*. 32(4): 569-596.
- Montague-Drake, R. and Croft, D. (2004) Do Kangaroos Exhibit Water-focused Grazing Patterns in Arid New South Wales? A Case Study in Sturt National Park. *Australian Mammalogy*. 26:87-100.
- N**
- National Parks and Wildlife Service (1999). *Threatened Species Information: Brush-tailed Phascogale*. New South Wales.
- National Parks and Wildlife Service (2000). *Threatened Species Information: Endangered Long-nosed Bandicoot Population at North Head*. New South Wales.

Ng, S.J., Dole, J.W., Sauvajot, R.M., Riley, S.P.D. and Valone, T.J. (2004) Use of Highway Undercrossings by Wildlife in Southern California. *Biological Conservation*. 115: 499-507.

P

PacificLink Alliance (2006a) PP – 036 – FFMP Flora and Fauna Management Plan. for the Tugun Bypass Project. Queensland.

PacificLink Alliance (2006b) PP - 038 - BMP Bird Management Plan for the Tugun Bypass Project. Prepared by Ecosure for the Queensland Department of Main Roads, Queensland.

PacificLink Alliance (2006c) PP – 039 – WMP Wetland Management Plan for the Tugun Bypass Project. Queensland.

PacificLink Alliance (2006d) PP – 040 – FMP Frog Management Plan for the Tugun Bypass Project. Queensland

PacificLink Alliance (2006e) PP – 041 – PMP Potoroo Management Plan (Potorous tridactylus) for the Tugun Bypass Project. Queensland.

PacificLink Alliance (2006f) PP – 042 – CPMP Common Planigale Management Plan (*Planigale maculate*) for the Tugun Bypass Project. Queensland.

PacificLink Alliance (2006g) PP – 053 – FMP Fire Management Plan for the Tugun Bypass Project. Queensland.

PacificLink Alliance (2006h) PP – 059 – GHFFMP Grey-headed Flying Fox Management Plan for the Tugun Bypass Project. Queensland.

PacificLink Alliance (2006i) Tugun Bypass Drawings. Queensland.

PacificLink Alliance (2007) Position Paper: Frog Fence – Selection Options DR-151-RD for the Tugun Bypass Project. Report for Queensland Department of Main Roads, Queensland.

PacificLink Alliance (2008) Operation Environmental Management Plan for the Tugun Bypass Project, Queensland.

Parsons, M., Lamont, B., Kovacs, B. and Davies, S. (2007) Effects of Novel and Historic Predator Urines on Semi-wild Western Grey Kangaroos. *Journal of Wildlife Management*. 71(4): 1225-1228.

Peck, S. (2004) Conservation Status Review and Management Recommendations for the Collared Delma, *Delma torquata*. In: Brisbane City Council (2005) *Collared Delma: Conservation Action Statement*. Queensland.

Peck, S. and Hobson, R. (2007) *Survey Results and Management Options for the Collared Delma Delma torquata Along the Proposed Toowoomba Bypass, Toowoomba Range, South-East Queensland, November 2006*. Environmental Protection Agency and Queensland Parks and Wildlife Service, Queensland.

Peterken, C., Ringwood, G. and Sarac, Z. (2009) *Waterway Barrier Works Development Approvals*. Queensland Primary Industries and Fisheries Fish Habitat Management Operational Policy FHMOP 008, Queensland.

PIARC. (World Road Association) (2007) *Social and Environmental Approaches to Sustainable Transport Infrastructures*. World Road Association, La Défense Cedex, Paris.

Pieters, C. (1993) *An Investigation into the Efficacy of a Koala/Wildlife Funnel-Tunnel at Gaven, Queensland*. Urban Wildlife Research Centre. Queensland.

Port Stephens Council and Australian Koala Foundation (2002) *Port Stephens Council Comprehensive Koala Plan of Management – June 2002*. Australia.

Porter, R. (1998) Observations of the Large Population of the Venerable Pygopodid, *Delma torquata*. *Memoirs of the Queensland Museum*. 42(2) 565-572. In: Brisbane City Council (2005) Collared Delma: Conservation Action Statement, Brisbane.

Friday, S., O'Sullivan, T., Ryan, B. and Goldingay, R. (2001) *An Investigation of the Use of Road Overpass Structures by Arboreal Marsupials*. Australian Museum Business Services, New South Wales.

Pyper, W. (2004) Koalas are Losing Out to Traffic. *ECOS*. 31:118.

Q

Queensland Department of Main Roads (1998) *Roads in the Wet Tropics: Planning, Design, Construction, Maintenance and Operation - Best Practice Manual*. Brisbane, Queensland.

Queensland Department of Main Roads (2001a) *Cassowary Management Strategy. Tully Mission Beach Road 2001*. Townsville, Queensland.

Queensland Department of Main Roads (2001b) *Achievement Awards 2001: The East Evelyn Range Upgrade*. Queensland.

Queensland Department of Main Roads (2002a) *Fauna Sensitive Road Design Volume 1: Past and Existing Practices*. Queensland Government Department of Main Roads, Brisbane, Queensland.

Queensland Department of Main Roads (2002b) *Road Drainage Manual*. Queensland Government Department of Main Roads, Brisbane, Queensland.

Queensland Department of Main Roads (2004a) *Road Landscape Manual* (2nd ed.). Queensland Government Department of Main Roads, Brisbane, Queensland.

Queensland Department of Main Roads (2004b) *Tugun Bypass Species Impact Statement*. Report for the Australian Government DoTARS, New South Wales Road Traffic Authority and Queensland Department of Main Roads, Brisbane, Queensland.

Queensland Department of Main Roads (2005a) *Road Planning and Design Manual*. Chapter 7 – Cross Section. Brisbane, Queensland.

Queensland Department of Main Roads (2005b) *Road Planning and Design Manual*. Chapter 8 - Safety Barriers and Roadside Furniture. Brisbane, Queensland.

Queensland Department of Main Roads (2005c) *Bird Management Plan: Tugun Bypass*. Available: http://www.planning.nsw.gov.au/asp/pdf/tugun_appendix_p.pdf. Accessed 1 September 2009.

Queensland Department of Main Roads (2005d) *Tugun Bypass, Stewart Road to Kennedy Drive - Environmental Impact Statement December 2004 Volume 1: Main Volume*. Queensland.

Queensland Department of Main Roads (2007) *Wildlife Signage Guidelines (DRAFT Volume 9) Technical Note*. Queensland Department of Main Roads, Brisbane, Queensland.

Queensland Department of Main Roads (2009) *Koalas and Their Ability to Traverse Road Traffic Safety Barriers*. Metropolitan Region, Brisbane, Queensland.

R

Ramp, D. and Croft, D. (2006) Do Wildlife Warning Reflectors Elicit Aversion in Captive Macropods? *Wildlife Research*. 33:583-590.

- Ramp, D., Russell, B. and Croft, D. (2005) Predator Scent Induces Differing Responses in Two Sympatric Macropodids. *Australian Journal of Zoology*. 53: 73–78.
- Redland Shire Council (2007) *Koala Futures Discussion Paper: Koala Summit*. Available: http://www.redland.qld.gov.au/NR/rdonlyres/F2DBD313-7FF6-481B-BBBC-F329CA69F656/0/KoalaFutures_Discussion_Paper.pdf. Accessed 26 November 2007.
- Redland Shire Council (2008) *Redlands Koala Policy and Strategy 2008*. Available: <http://indigiscapes.redland.qld.gov.au/wildlife/koala/Pages/KoalaPolicyStrategy.aspx>. Accessed 16 December 2009.
- Reijnen, R. and Floppen, R. (1994) The Effects of Car Traffic on Breeding Bird Populations in Woodland. In: Evidence of Reduced Habitat Quality for Willow Warblers (*Phylloscopus trochilus*) Breeding Close to a Highway. *The Journal of Applied Ecology*. 31(1): 85-94.
- Roads and Traffic Authority (2005) *Submission Report/Supplement to the Draft Environmental Impact Statement: Tugun Bypass (Volume 1)*. Parramatta, New South Wales.
- Roads and Traffic Authority (2006) *Karuah Bypass: Environmental Impact Audit Report*. Available: http://www.rta.nsw.gov.au/constructionmaintenance/downloads/pacific/karuah_bypass_environmental_impact_audit_report_september_2006.pdf. Accessed 20 September 2007.
- Rhodes, J.R. (2005) *The Ecology, Management and Monitoring of Wildlife Populations in Fragmented Landscapes A Koala Case Study*. Submitted for PhD at the University of Queensland.
- Rhodes, J., Wiegand, T., McAlpine, C., Callaghan, J., Lunney, D., Bowen, M. and Possingham, H. (2006) Modelling Species' Distributions to Improve Conservation in Semiurban Landscapes: Koala Case Study. *Conservation Biology*. 20(2) 449-459.
- Roedenbeck, I.A., Fahrig, L., Findlay, C.S., Houlahan, J.E., Jaeger, J.A.G., Klar, N., Kramer-Schadt, S. and van der Grift, E.A. (2007) The Rauschholzhausen Agenda for Road Ecology. *Ecology and Society*. 12:11.
- Ryan, S. (2006) *Conservation Management Profile: Collared delma Delma torquata*. Ecosystem Conservation Branch, EPA, Queensland. Available: <http://www.derm.qld.gov.au/register/p02094aa.pdf>. Accessed 27 January 2010.

S

- Scherzinger, W. (1979) Zum Feindverhalten des Haselhuhnes (*Bonasa bonasia*). *Die Vogelwelt*. 100:205-217.
- Scott, N. (2003) *Fauna Sensitive Road Design*. Presentation at the Road Engineering Association of Asia and Australasia, Cairns.
- Scott, N. (2007) *Can Koalas and a Booming Road Network Co-exist?* (Presentation). Available: http://www.redland.qld.gov.au/NR/rdonlyres/9A6DCCEA-7ACE-4565-8CD4-C3D931021FFD/0/Norman_Scott.pdf. Accessed 27 November 2007.
- Smith, A. (2004) Koala Conservation and Habitat Requirements in a Time Production Forest in North-east New South Wales. In: Lunney, D. *Conservation of Australia's Forest Fauna* (2nd Ed.) Pp 591-611. Royal Zoological Society of New South Wales, Mosman.
- Smith, G. C., Mathieson, M. and Hogan, L. (2007) Home Range and Habitat Use of a Low-density Population of Greater Gliders *Petauroides volans* (Pseudocheiridae: Marsupialia), in a Hollow Limiting Environment. *Wildlife Research*. 34:472-483.
- Stanisic, J., Burwell, C., Raven, R., Monteith, G. and Baehr, B. (2005) *Terrestrial Invertebrate Status Review: Brisbane City*. Prepared for Brisbane City Council, Brisbane, Australia.

Strahan, R. (ed.) (1995) *The Australian Museum Complete Book of Australian Mammals* (2nd ed.). Reed New Holland, Sydney. NSW.

Sullivan, B., Baxter, G. and Lisle, A. (2003) Low Density Koala (*Phascolarctos cinereus*) Populations in the Mulgalands of South-west Queensland. III. Broad-scale Patterns of Habitat Use. *Wildlife Research*. 30: 583-591.

Sullivan, B., Baxter, G., Lisle, A., Pahl, L. and Norris, W. (2004) Low Density Koala (*Phascolarctos cinereus*) Populations in the Mulgalands of South-west Queensland. IV. Abundance and Conservation Status. *Wildlife Research*. 31: 19-21.

Suter, W., Bollmann, K. and Holderegger, R. (2007) Landscape Permeability: From Individual Dispersal to Population Persistence. In: Kienast, F., Wildli, O. and Ghosh, S, *A Changing World: Challenges for Landscape Research*. 8th ed. Netherlands: Springer. Pp 157-174.

T

Taylor, B. and Goldingay, R.L. (2007a) *The Study of Gliding Possums at Compton Road – Progress Report July-December 2007*. Brisbane, Queensland.

Taylor, B. and Goldingay, R.L. (2007b) *The Study of Gliding Possums at Compton Road 2006 - 07: Final Report*. Brisbane, Queensland.

Technologies for Conservation and Development(2006) *Radio Tracking*. Available: <http://www.t4cd.org/Technology/UnderstandingTechnology/Pages/RadioTracking.aspx>. Accessed 27 March 2009.

Terrain NRM (2008) *Wongaling Corridors Fauna Crossings*. Prepared by Chenoweth Environmental Planning and Landscape Architecture.

The Technical Department for Transport, Roads and Bridges Engineering and Road Safety (2005) *Technical Guide: Facilities and Measures for Small Fauna*. France.

Thomson, B. (2002) *Australian Handbook for the Conservation of Bats in Mines and Artificial Cave-Bat Habitats*. Australian Centre for Mining and Environmental Research, Melbourne, Australia.

Tree-Kangaroo and Mammal Group (2008) T-K Shelter Poles at Risk. *Newsletter of the Tree-Kangaroo and Mammal Group Inc*. March 2008: 1-3.

Trombulak, S. and Frissell, C. (2000) Review of Ecological Effects of Roads on Terrestrial and Aquatic Communities. *Conservation Biology*. 14(1): 18-30.

Tugun Bypass Alliance (Undated) *Tugun Bypass Environmental Impact Statement Technical Paper Number 12 Flora and Fauna Assessment*. Prepared for the Queensland Department of Main Roads.

V

van der Ree, R. (2002) The Population Ecology of the Squirrel Glider (*Petaurus norfolcensis*) Within a Network of Remnant Linear Habitats. *Wildlife Research*. 29:329-340.

van der Ree, R. (2006) Road Upgrade in Victoria a Filter to the Movement of the Endangered Squirrel Glider (*Petaurus norfolcensis*): Results of a Pilot Study. *Ecological Management and Restoration*. 7(3): 226-228.

van der Ree, R., Heinze, D., McCarthy, M. and Mansergh, I.M. (2009) Under-road Tunnel Restores Population Dynamics of Endangered Pygmy-possum. *Ecology and Society*. 34:145-156.

van der Ree, R., Clarkson, D. T., Holland, K., Gulle, N. and Budden, M. (2007) *Review of Mitigation Measures Used to Deal with the Issue of Habitat Fragmentation by Major Linear Infrastructure*.

Department of Environment and Water Resources. Prepared for the Department of Environment and Water Resources, Symonston.

Veage, L. and Jones, D. (2007) *Breaking the Barrier: Assessing the value of fauna-friendly crossing structures at Compton Road*. Prepared for Brisbane City Council. Centre for Innovative Conservation Strategies, Griffith University, Brisbane, Queensland.

Viggers, K.L. and Hearn, J. (2005) The Kangaroo Conundrum: Home Range Studies and Implications for Land Management. *Journal of Applied Ecology*. 42: 99-107.

Viggers, K.L. and Lindenmayer, D.B. (2000) A Population Study of the Mountain Brushtail Possum in the Central Highlands of Victoria. *Australian Journal of Zoology*. 48: 201-216.

W

Wargo, R. and Weisman, R. (2006) A Comparison of Single-cell and Multi-cell Culverts for Stream Crossings. *Journal of American Water Resources Association*. 42(4): 989-995.

Webb, J.K. and Shine, R. (2000) Paving the Way for Habitat Restoration: Can Artificial Rocks Restore Degraded Habitats of Endangered Reptiles? *Biological Conservation*. 92: 93-99.

Wasser, S.K., Bevis, K., King, G. and Hanson, E. (1997) Noninvasive Physiological Measures of Disturbance in the Northern Spotted Owl. *Conservation Biology*. 11: 1019-1022.

Weston, N. (2001) Bridging the Rainforest Gap. *Wildlife Australia*. Summer: 17–19.

Weston, N. (2002) *Using Rainforest Research: Why Did the Ringtail Cross the Road?* Cooperative Research Centre for Tropical Rainforest Ecology and Management, Cairns, Queensland.

Weston, N. (2003) *The Provision of Canopy Bridges to Reduce the Effects of Linear Barriers on Arboreal Mammals in the Wet Tropics of Northeastern Queensland*. Master Thesis, School of Tropical Environment Studies and Geography and the Centre for Tropical Urban and Regional Planning, James Cook University, Queensland.

Wildlife Preservation Society of Queensland (2006) Time Running out for Small Colony of Wallabies. *Wildlife Queensland: Your Voice for Your Wildlife*. 185:14.

Wilson, R. and Goosem, M. (2007) *Vehicle Headlight and Streetlight Disturbance to Wildlife – Kuranda Range Upgrade Project*. Cooperative Research Centre for Tropical Rainforest Ecology and Management. Rainforest CRC, Cairns, Queensland.

Wilson, R., Marsh, H. and Winter, J. (2007) Importance of Canopy Connectivity for Home Range and Movements of the Rainforest Arboreal Ringtail Possum (*Hemibelideus lemuroides*). *Wildlife Research*. 34(3):177-184.

Wilson, R. (1999) Possums in the Spotlight. *Nature Australia*. Autumn: 34-41.

Wilson, S. (2006) *Bridging the Gap: Potential Dispersal of Reptiles between Karawatha and Kuraby Forests across Compton Road*. Brisbane, Queensland.

Wilson, S. (2007) *Bridging the Gap: Reptiles on the Compton Road Overpass Between Karawatha and Kuraby Forests*. Brisbane, Queensland.

Winter, J.W., Dillewaard, H.A., Williams, S.E. and Bolitho, E.E. (2004) Possums and Gliders of North Queensland: Distribution and Conservation Status. In Goldingay, R.L. and Jackson, S.M. (eds.) *The Biology of Australian Possums and Gliding Possums*. Surrey Beatty & Sons, Chipping Norton. Pp 26-50.

Witheridge, G. (2002) *Fish Passageway Requirements for Waterway Crossings - Engineering Guidelines*. Catchment and Creeks Pty Ltd, Queensland.

World Road Association (PIARC.) (2007) *Social and Environmental Approaches to Sustainable Transport Infrastructures*. World Road Association, La Défense Cedex, Paris.

World 66 (2006) *The Viaduct Cullen, Moray*. Available:
http://www.world66.com/europe/unitedkingdom/lib/gallery/showimage?pic=europe/unitedkingdom/the_viaduct_cullen. Accessed 22 August 2007.

Wormington, K. (2006) *Management Options for Possums and Gliders Living Close to Highways*. Central Queensland University, Rockhampton, Queensland.

Wormington, K.R., Lamb, D., McCallum, H.I. and Moloney, D.J. (2002) Habitat Requirements for the Conservation of Arboreal Marsupials in Dry Sclerophyll forests of Southeast Queensland, Australia. *Forest Science*. 48(2):217-227.

Y

Yanes, M., Velasco, J.M. and Suárez, F. (1995) Permeability of Roads and Railways to Vertebrates: the Importance of Culverts. *Biological Conservation*. 71: 217-222.