

## **DR SCOTT THOMPSON - Partner and Principal Zoologist**

Scott is an award winning practitioner with specialist knowledge in assessing and managing impacts on terrestrial fauna. Scott has been associated with fauna surveys for 20 years, including more than 15 years of professional industry experience, 12 of those as an environmental consultant. Scott is experienced in conducting remote location fauna surveys, targeted threatened species surveys, ecological assessments, developing fauna management protocols and mitigation plans, and conducting feral and pest animal management programs. He has a strong academic background in ecology and mine site rehabilitation. Scott has a Bachelor of Science (Environmental Science), Master of Science (Environmental Management), a PhD (Environmental Science/Management), Certificate III (Vertebrate Pest Management) and Certificate IV (Work Health Safety).

He has undertaken terrestrial fauna surveys, biological assessments, environmental impact assessments or feral and pest animal management programs for a range of projects in the South-west, Swan Coastal Plain, Kimberley, Pilbara, Goldfields, Midwest, Wheatbelt and Gascoyne areas of Western Australian and near the Flinders Ranges in South Australia.

Prior to establishing Terrestrial Ecosystems, Scott was the Senior Zoologist at a multi-national consulting firm. Scott's primary responsibility was terrestrial fauna surveys, however, he also assisted with urban development and other natural resource management projects. This required a broad knowledge of vegetation, fauna, wetlands, drainage, coastal and riverine environments as well as a solid understanding of statutory obligations and approval processes for environmental impact assessments at both state and federal level.

### **AREAS OF EXPERTISE**

- Terrestrial fauna surveys and assessments
- Fauna management plans
- Fauna monitoring programs
- Fauna relocation strategies and implementation
- Radio-tracking of fauna
- Ecological management of arid ecosystems
- Feral and pest animal management and control
- Conservation significant terrestrial fauna assessments
- Chemical capture of fauna using tranquilising darts
- Peer review of fauna reports

### **QUALIFICATIONS**

- Certified Environmental Practitioner (EIANZ)
- Doctor of Philosophy (Environmental Science/Management)
- Master of Science (Environmental Management)
- Bachelor of Science (Environmental Science)
- Certificate III (Vertebrate Pest Management)
- Certificate IV (Work Health and Safety)

### **PROFESSIONAL AFFILIATIONS**

- Ecological Society of Australia; Member
- Environment Institute of Australia and New Zealand; Member
- Goldfields Environmental Management Group; Member
- Ecological Consultants Associations, WA; Member

### **AWARDS**

- Highly Commended Award for their recent work on identifying Malleefowl (*Leipoa ocellata*) mounds using high definition 3D interpreted aerial photography. Spatial Excellence Awards.
- Young Professional Award – 2007 Environment Institute of Australia and New Zealand (EIANZ).
- 40under40 award winner - 2017
- Minerals and Energy Research Institute of Western Australia (MERIWA) - scholarship – 2003.

## PROFESSIONAL TRAINING

- Firearms in the Workplace – Precision Shooting Australia (3 June 2016)
- Perth Boat School – Recreational Skippers Ticket (#182059) (November 2011)
- Speedaware Driver Training – RIVEH305A – Operate and Maintain a Four Wheel Drive Vehicle (November 2011) (#202820)
- Use of an Elevated Work Platform with Emergency Decent Device – UEPOPS201A Comply with OH&S policy and procedures and UEPOPS217A Conduct EWP operations (March 2010).
- Work Safely at Heights – MNMG237A (March 2010).
- Operate Support Equipment (Skid Steer Loader) – MNCG1060A (January 2008).
- Senior First Aid – HLTFA301C (Valid till October 2018)
- Work in Confined Spaces – BCCCM2009B and Follow OH&S Policies and Procedures – BCCCM100C (April 2008).
- Operate Ride-on Vehicles (Quad bikes) – RTE2308A (September 2007)
- Completed the Programme in Animal Welfare, Ethics and Science - PAWES (September 2004).
- Eureka 4WD training: Plan Outdoor Recreation Activities – SROODR002A and Drive and Recover a 4WD vehicle – SRODRV001B (August 2006).
- All Terrain Vehicle – Short Course (May 2005).
- DTEC Defensive Four Wheel Driving Techniques (November 2004).
- PADI Open Water Diver (September 1998).
- PADI Advanced Open Water Diver (November 1998).
- Four Wheel Drive Instruction Course – (April 1998).
- DSP Driver Development Training (June 1995).
- Registered Pest Management Technician Licence (#8740)

## CAREER SUMMARY

July 2010 - current	Partner and Principal Zoologist, Terrestrial Ecosystems
2006 - July 2010	Senior Environmental Scientist, Coffey Environments (formerly ATA Environmental)
2003 - 2006	Environmental Scientist, ATA Environmental
2002 - 2010	Partner (inactive) Terrestrial Ecosystems
1999 - 2003	Laboratory demonstrator and tutor, Edith Cowan University

## SELECTED PROJECT EXPERIENCE

### Level 1 Fauna Assessments

Coordinated or participated in more than 100 Level 1 Fauna Risk Assessments including:

- Multiple fauna assessments for the construction of the Roy Hill railway line
- QR National Pilbara Independent Rail alignment (>200km)
- 260km rail corridor investigation, Roy Hill Infrastructure.
- Hillside South Rail Corridor, Hancock Mining.
- Solomon Rail Project, Fortescue Metals Group.
- Short-range endemic invertebrate investigations at Mount Gibson, Mount Gibson Mining.
- Short-range endemic invertebrate investigations for the Solomon Project, Fortescue Metals Group.
- Short-range endemic invertebrate investigations for the Cloud Break Mine, Fortescue Metals Group.
- Desktop Fauna Assessment McCormick Parade, Ledge Point.
- Desktop Fauna Assessment, Jurien.
- Desktop Fauna Assessment, Casserley Way, Lancelin.
- Lot 446 Lyon Road, Aubin Grove Level 1 Fauna Assessment.
- Fauna Assessment Eyre Highway Balladonia Section 139.4 to 198.0 SLK & Caiguna East Section 384.3 to 401.0 SLK Fauna Assessment, MRWA.
- Fauna Assessment, Lot 2 Lower King Road, Albany.
- Fauna Assessment, Bayview Heights Estate, Albany.
- Desktop Review of Fauna from the Kwinana and Baldivis Areas, WMC Resources.

- Lot 12 Old Coast Rd, Wannanup - Desktop Fauna Assessment.
- Desktop Fauna Assessment - New Yanchep Wastewater Treatment Plant, Water Corporation.
- Desktop Fauna Assessment - Lot 6765 Wanneroo Road.
- Eighty Road, Baldivis Fauna Assessment.
- Binningup Desktop Fauna Assessment.
- Metropolitan Region Scheme Amendment 1029/33 Alkimos-Eglinton Flora, Fauna Baseline Information Interpretation Report.
- Fauna Assessment, Location 3167 Old Bunbury Road, Lake Clifton.
- Fauna Assessment, Lot 1 Recreation Drive, Eaton.
- Cape Care Fauna Assessment, Dunsborough.
- Meelup Ridge Fauna Assessment, Dunsborough.
- Fauna Assessment - Cloud Break Surface Miner Trial Notice of Intent, Fortescue Metals Group.
- Fauna Assessment of a Powerline Corridor, Lionore Australia Pty Ltd.
- Fauna Assessment – Land clearing around Emily Ann and Maggie Hays Mine Sites.
- Fauna Assessment – Clearing for Two Gravel Pits around Emily Ann and Maggie Hays Mine Sites.
- Fauna Assessment – Clearing for the construction of an Airstrip for Emily Ann and Maggie Hays Mines.
- Vertebrate Fauna Assessment Wolla Wolla Magnetite Project, Mount Gibson Mining Limited.
- Fauna Assessment, Proposed Clearing around the Moonbeam Mine Site, Kalgoorlie.
- Fauna Assessment, Proposed Clearing for a Waste Rock Dump Expansion, Black Swan Nickel.
- Fauna Assessment, Proposed Clearing around the Rose West Mine Site, Kalgoorlie.
- Fauna Assessment, Proposed Clearing around the Crossroads Mine Site, Kalgoorlie.
- Fauna Assessment, Proposed Clearing around the Bullant Mine Site, Kalgoorlie.
- Fauna Assessment, Proposed Clearing around the Janet Ivy Mine Site, Kalgoorlie.
- Fauna Assessment, Proposed Clearing around the Natal Mine Site, Kalgoorlie.
- Fauna Assessment, Proposed Clearing around the Ora Banda Mine Site, Kalgoorlie.
- Fauna Assessment, Proposed Clearing around the Paradigm and Carbine Mine Site, Kalgoorlie.
- Fauna Assessment, Proposed Clearing around the Red Hill Mine Site, Kalgoorlie.
- Fauna Assessment, Proposed Clearing around the Moonbeam Mine Site, Kalgoorlie.
- Fauna Assessment, Proposed Clearing around the Raleigh ROM Pad, Kalgoorlie.
- Fauna Assessment, Proposed Clearing around Black Flag, Kalgoorlie.
- Fauna Assessment, Proposed Pipeline from Kanowna Bell Mine to Red Hill Pit, Kalgoorlie.
- Fauna Assessment, Proposed Hornet Pipeline, Kalgoorlie.
- Level 1 Fauna Assessment, Honeymoon Well, Wiluna.
- Fauna Assessment, Proposed Clearing around the Northwest Moonbeam Mine Site.
- Vertebrate Fauna Assessment, Yalgoo Iron Project, Ferrowest Ltd.
- Level 1 Fauna Assessment, Bannockburn Haul Road, Leinster.
- Assessment of Conservation Significant Vertebrate Fauna for the Proposed Rail Corridor and Associated Borrow Pits, Pilbara.
- Fauna Assessment – Extension to the Cloud Break Mining Pit, Pilbara.
- Fauna Assessment – South Point Rail Camp, Pilbara.
- Fauna Assessment – Cloud Break Airstrip, Camp and Access Road, Pilbara.
- Fauna Assessment – Cloud Break to Marble Bar Access Road, Pilbara.
- Fauna Assessment – Proposed North Point Rail Camp, Pilbara.
- Vertebrate Fauna Assessment – Avoca Resources, Kambalda.
- Vertebrate Fauna Assessment – Randalls Mine Site, Kalgoorlie.
- Fauna Assessment – St Ives Cave Rocks Satellite Pit, Waste Dump and Haul Road.
- Fauna Assessment, Proposed Clearing at Black Swan Nickel within M27/200.
- Fauna Assessment, Paddington Gold Operations.
- Great Northern Pipeline Project – Desktop Fauna Assessment.

## Level 2 Fauna Assessments

Coordinated more than 50 Level 2 Fauna Assessments including:

- Aldiss, project area, east of Kalgoorlie.
- Santa project area, east of Kalgoorlie.
- Roy Hill Infrastructure, Rail Corridor survey.
- Extension Hill, Mount Gibson Mining.
- Granny Deeps, near Laverton.
- Garden Well, near Laverton.
- Majestic's Gold Project, Kalgoorlie.
- Beverley Uranium Mine, South Australia.
- Solomon Project Area, Hamersley Ranges.
- Various residential development areas at Cervantes, Landcorp.
- Vertebrate Fauna Survey, Flynn Drive, Neerabup.
- Vertebrate Fauna Assessment, Bayonet Head, Albany.
- Vertebrate fauna Assessment, Emu Point, Albany.
- Fauna survey at Yanchep, Yanchep Sun City.
- Fauna Assessment TPS. No. 1a Amendment No. 4 Cape Burney.
- Fauna Assessment TPS. No. 4 Amendment No. 114 Cape Burney.
- Fauna Assessment Mardo Avenue, Australind.
- Vertebrate fauna survey of IP14, Industrial Estate Rockingham.
- Vertebrate fauna survey of the Yakabindie Project, Leinster.
- Vertebrate fauna survey at Stakehill Swamp, Baldivis.
- Vertebrate fauna survey at Mount Gibson, Mount Gibson Iron.
- Vertebrate fauna survey at Koolanooka South, Mount Gibson Iron.
- Vertebrate fauna survey at Koolanooka Hills, Mid West Steel.
- Vertebrate Fauna Survey Riverslea Estate, Margaret River.
- Vertebrate fauna survey at Underwood Avenue, Shenton Park.
- Vertebrate fauna survey at the Red Hill Waste disposal site.
- Vertebrate fauna survey at the Kemerton Industrial Estate, near Australind.
- Vertebrate Fauna Assessment, St Andrews Estate (Southern Precinct), Yanchep.
- Canal Rocks Pty Ltd - Vertebrate Fauna Assessment, Smiths Beach, Yallingup.
- Vertebrate Fauna Assessment, St Ives Gold Mine.
- Vertebrate Fauna Assessment, Neerabup Industrial Estate.
- Vertebrate Fauna Assessment, Lot 3 Romeo Rd, Alkimos.
- Vertebrate Fauna Assessment, Honeymoon Well, Wiluna.

## Selected Mining and Oil and Gas Project Experience

- Project Manager for Terrestrial Fauna Management Services, Wheatstone Project, Onslow, Bechtel and Chevron.
- Roy Hill rail construction, multiple fauna assessments
- MPI Nickel and Norilsk Nickel, Honeymoon Well fauna investigations.
- Integra Mining, multiple fauna assessments east of Kalgoorlie.
- Regis Resources, multiple fauna assessments north of Laverton.
- Barrick Australia, Granny Smith Operations fauna assessments.
- Roy Hill Infrastructure, Rail Corridor Investigations. Hancock Mining, Hillside South Rail Corridor.
- Beverley Uranium Mine, South Australia.
- Fortescue Metals Group Solomon Mining and Rail Corridor areas.
- Fortescue Metals Group Stage A and B Railway Corridor Fauna Assessment.
- Fortescue Metals Group Minesite Fauna Assessments.
- Koolanooka Hills Fauna Assessment, for PER, Mid West Steel.
- Koolanooka South Fauna Assessment, for PER, Mid West Steel.
- Mt Gibson Fauna Assessments, Mt Gibson Iron.
- Multiple Fauna Assessments for Barrick Kanowna Pty Ltd, Kalgoorlie Operations.
- Multiple Fauna Assessments for Botanica Consulting, Kalgoorlie.
- Multiple Fauna Assessments for OMG Cawse Nickel Pty Ltd, Kalgoorlie Operations.
- Multiple Fauna Assessments for St Ives Gold Mine, Kambalda Operations, Goldfields Limited.
- Multiple Fauna Assessments for Mount Keith Gold, WMC Resources, Leinster Operations.
- Multiple Fauna Assessments for Emily Ann and Maggie Hays Mines, LionOre Australia.
- Fauna Assessments for Thunderbox Gold, LionOre Australia.
- Fauna Assessments for Yalgoo Iron Ore, Ferrowest Limited.
- Fauna Assessments for Wolla Wolla, Mid West Steel.
- Fauna Assessments at Weld Range, Mid West Steel.

### **Fauna Management Plans**

- Fauna Management Plan, Roy Hill Mining.
- Mulgara Management Plan, MPI Nickel.
- Bilby, Northern Quoll and Mulgara Management Plan, Fortescue Metals Group.
- Operations Fauna Management Plan, Fortescue Metals Group.
- Implemented a Kangaroo Management Plan at The Vale, Egerton.
- Implemented a Feral Animal Management Plan at The Vale, Egerton.
- Malleefowl (*Leipoa ocellata*) Conservation Plan, Extension Hill and Extension Hill North, Mount Gibson.
- Fauna Management Plan, Extension Hill and Extension Hill North, Mount Gibson.
- Implemented Mulgara and Bilby Management Plans, Fortescue Metals Group.
- Vegetation and Fauna Management Plan, Two Rocks.
- Flora, Vegetation Management and Fauna Relocation Strategy, Yancheep.
- Fauna and Vegetation Management Plan, Two Rocks for Zebra Properties Group.
- Flora and Fauna Management Strategy Proposed Subdivision Stage 1 Lot 501 Two Rocks Rd, Two Rocks.
- Flora and Fauna Management Strategy, Lot 205 Breakwater Drive, Two Rocks.
- Mulgara (*Dasyercus cristicauda*) Conservation Plan, Honeymoon Well.
- Western Ringtail Possum (*Pseudocheirus occidentalis*) Linkage Conservation and Management Plan Stages 12 and 14 Dalyellup Beach Estate, Dalyellup.
- Multiple Western Ringtail Possum Management Plans for developments in the South-west.
- Multiple Fauna Management Plans for development sites on the Swan Coastal Plain and South-west.

### **Conservation Significant Targeted Fauna Assessments and Monitoring**

- Northern Quoll radio-tracking, Roy Hill Infrastructure
- Mulgara radio-tracking, Roy Hill Infrastructure
- Northern Quoll, Bilby and Mulgara Assessments, Roy Hill Infrastructure.
- Mulgara relocation programs for Fortescue Metals Group across the Pilbara.
- Targeted fauna assessments for Mulgara at the Yakabindie Project area, Leinster.
- Targeted Malleefowl investigations at Mount Gibson, Mount Gibson Iron.
- Bandicoot relocations at The Vale, Kewdale, Armadale, Roe Highway, Cannington, Wandi and Yancheep.
- Feasibility study assessing Woma Python populations on the Shark Bay Peninsula.

- Lot 27 Bussell Highway Western Ringtail Possum and Baudin's Black Cockatoo Survey.
- Blackboy Hollow Road - Western Ringtail Possum and Baudin's Black Cockatoo Survey.
- Lot 9013 And 753 Tingle Ave Margaret River Western Ringtail Possum and Baudin's Black Cockatoo Survey.
- Black Cockatoo Assessment, Futuris Corporation Landholdings, Byford.
- Carnaby's Cockatoo (*Calyptorhynchus latirostris*) Assessment Swan Coastal Plain, University of Western Australia.
- Great Northern Highway Carnaby's Cockatoo Assessment, Sinclair Knight Merz.
- Provence Estate, Busselton - 25+ Western Ringtail Possum Surveys.
- Identification of hairs found in the entrances of burrows that were thought to be those of Bilbies, Fortescue Metals Group.
- Cape View Developments - Western Ringtail Possum Survey.
- Black-Cockatoo Assessment - Lot 3, 6, 8, 9 And 105 Gum Nut Close, Dawesville.
- Carnaby's Black-Cockatoo Assessment, Great Northern Highway, Bindi Bindi.
- Regional Western Ringtail Possum Assessment, Armstrong Reserve, Dunsborough.
- Carnaby's Black-Cockatoo Assessment, Great Northern Highway SLK 89-114.

### **Wetlands**

- March 2000, assistant for the Edith Cowan University Environmental Research Techniques camp, near Collie, examining effects of acidic drainage in mining voids.
- 1999 and 2000, organised and conducted water and wetlands study programs for Edith Cowan University at Fairbridge Farm, near Pinjarra.
- Monthly water monitoring of three disused coal voids in Collie, Western Australia during 1998 and 1999.
- November 1998 to February 1999, monitoring of the water quality at Snake Swamp in Landsdale, Western Australia.
- October and November 1998, research field assistant on the Gngangara Mound macro-invertebrate monitoring program.

### **Drainage and Nutrient Management**

- Conducted bore water and lake monitoring at development sites.
- July 1999, research assistant for a project looking at nutrient stripping in artificial wetlands in Jandakot.
- November 1998 till February 1999, monitoring of the water quality at Snake Swamp in Landsdale, Western Australia.

### Rehabilitation

- Provided management strategies for rehabilitation techniques to promote fauna recolonisation in WA Goldfields mining operations (e.g. Paddington Gold Operations, Mount Pleasant Gold Operations, OMG Cawse Nickel, St Ives Gold, KCGM).

### Biological Assessments for Research

- January 2003, assisted with radio tracking and field ecological studies of arid adapted frogs (*Neobatrachus sutor*, *Cyclorana maini*, and *C. platycephala*) near Newman.
- November 2002, radio tracking and capture of Tiger Snakes at Carnac Island.
- September and October 2002, collection of varanids and agamids in the Pilbara region.
- September 2000, feral cat and fox survey in the Ora Banda region, conducted for Cawse Nickel Operations.
- February 2000 survey of the Bungalbin Hill region.
- January 2000 and September 1999, assisted with a project assessing the spatial ecology of Water pythons and Olive pythons in the Kimberley.
- July 1998, survey and reptile sampling in the Kimberley.
- September 1997, survey at Walpole and surrounding areas for aestivating fish (*Galaxiella munda*, *G. nigrostriata*, *Lepidogalaxias salamandroides* and *Bostockia porosa*).
- October 1995, surveys at Mount Lesueur National Park and research assessing the impacts of wild fires on reptiles. September 2001,
- July 2001, July 1999, collecting arid adapted frogs in the WA wheatbelt.
- July 1995, survey in the Great Victoria Desert, searching for *Varanus gilleni*.
- January 1995, survey in the Harry Waring Marsupial Reserve searching for *Varanus rosenbergi*.
- December 1993 - February 1994, research assistant for a project on the activity area and habitat choice of *Varanus gouldii*.
- July 1993, a research assistant in the Great Victoria Desert, collecting specimens of various species of lizards and specifically *Varanus gilleni*.
- October and December 1992, research assistant for a project on the field metabolic rate of small varanids north-east of Kalbarri.
- July 1992, research assistant for a project on the field metabolic rate of small varanids north-east of Karratha.

- December 1990, and October and December 1991, research assistant for a project on the activity areas, diet and habitat choice of *Varanus caudolineatus*, south-west of Sandstone.
- October and November 1989, assisted with the collection of four Swan River fishes (*Atherinosoma elongata*, *Craterocephalus mugiloides*, *Leptatherina wallacei*, and *L. presbyteroides*).
- July 1988, a field assistant in the collection of four south-western aestivating fish species (*Galaxiella munda*, *G. nigrostriata*, *Lepidogalaxias salamandroides*, *Bostockia porosa*).

### Consultation

- Lake Jualbup Environmental Plan, Shenton Park.

### General

- Environmental guide at the Ecologically Sustainable Farming Expo at Fairbridge Farm Pinjarra.

### Peer Review

- Peer review of scientific literature and consultant reports.

### PUBLICATIONS

#### Theses

- 2004 Mine Site Rehabilitation Index Using the Reptile Assemblage as a Bio-indicator. (PhD)
- 2000 Managing the Acidity of Abandoned Water Filled Coal Mining Voids in Collie (Western Australia) using Organic Matter. (MSc)

#### Books

- Turnbull, R., Thompson, S. and Thompson, G. (2013) *Selected fauna of the Onslow Region*. Published by Terrestrial Ecosystems. Available at [www.terrestrialecosystems.com](http://www.terrestrialecosystems.com)
- Thompson, S.A. and Thompson, G.G. (2010) *Terrestrial Vertebrate Fauna Assessments for Ecological Impact Assessment*. Published by Terrestrial Ecosystems. Available at [www.terrestrialecosystems.com](http://www.terrestrialecosystems.com)
- Thompson, S.A. and Thompson, G.G. (2006) *Reptiles of the Western Australian Goldfields*. Goldfields Environmental Management Group, Kalgoorlie, WA.

#### Journal Articles

- Thompson, S.A. and Thompson G.G. (2016) Response to 'Fauna-rescue programs highlight unresolved scientific, ethical and animal welfare issues' by Menkhorst *et al.* *Pacific Conservation Biology*.
- Thompson, S. and Thompson, G. (2015) Fauna-rescue programs can successfully

- relocate vertebrate fauna prior to and during vegetation-clearing programs. *Pacific Conservation Biology*. 21(3), 220-225
- Thompson, G. and Thompson, S. (2015) Termitaria are an important refuge for reptiles in the Pilbara of Western Australia. *Pacific Conservation Biology*. 21(3), 226-233
  - Thompson, S., Thompson, G., Sackmann, J., Spark, J. and Brown, T. (2015) Using high-definition aerial photography to search in 3D for malleefowl mounds is a cost-effective alternative to ground searches. *Pacific Conservation Biology*. 21(3), 208-213
  - Thompson, G.G. and Thompson, S.A. (2014) Detecting burrows and trapping for mulgaras (*Dasyercus cristicauda* and *D. blythi*) can be difficult. *Australian Mammalogy*. 36:116-120
  - Thompson, S.A. and Thompson, G.G. (2011) Do possum (*Pseudocheirus occidentalis*; *Trichosurus vulpecula hypoleucus*) counts vary with the time of the survey? *Journal of the Royal Society of Western Australia*. 94, 445-448.
  - Thompson, G.G., Thompson, S.A. and Finlayson, G.R. (2010) Spatial and temporal variations in trapped vertebrate fauna of the Hamersley Range, Western Australia. *Journal of the Royal Society of Western Australia*. 93, 51-64.
  - Finlayson, G.R., Diment, A.N., Mitrovski, P., Thompson, G.G. and Thompson S.A. (2010) Estimating Western Ringtail Possum (*Pseudocheirus occidentalis*) density using distance sampling. *Australian Mammalogy*. 32:197-200.
  - Thompson, G.G. and Thompson, S.A. (2009) Comparative temperature in funnel and pit traps. *Australian Journal of Zoology*, 57, 311-316.
  - Thompson, S.A. and Thompson, G.G. (2009) A case for *in-situ* management of Western Ringtail Possums, *Pseudocheirus occidentalis*, in development areas. *Journal of the Royal Society of Western Australia*, 92, 269-276.
  - Thompson, S.A., Thompson, G.G. and Finlayson, G.R. (2009) Range extensions for the Barking Gecko *Nephrurus milii* (Squamata: Gekkonidae). *Journal of the Royal Society of Western Australia*, 92, 27-29.
  - Thompson, G.G. and Thompson, S.A. (2008) Spatial variability in terrestrial fauna surveys; a case study from the goldfields of Western Australia. *Journal of the Royal Society of Western Australia*, 91, 219-228.
  - Thompson, G.G. and Thompson, S.A. (2008) Abundance and spatial distribution of five small mammals at a local scale. *Australian Mammalogy*, 30, 65-70.
  - Thompson, S.A. and Thompson, G.G. (2008) Vertebrate by-catch in invertebrate wet pitfall traps. *Journal of the Royal Society of Western Australia*, 91, 237-241.
  - Thompson, S. and Thompson, G. (2008) Monitoring Malleefowl mounds using their thermal profile. *Malleefowl Matter*, 45, 4-6.
  - Thompson, S.A. and Thompson, G.G. (2008) Range Extension for the Black-Headed Worm Lizard *Aprasia picturata* (Squamata: Pygopodiae). *Journal of the Royal Society of Western Australia*, 91, 51-52.
  - Thompson, G.G. and Thompson, S.A. (2008) Greater Bilby (*Macrotis lagotis*) burrows, diggings and scats in the Pilbara. *Journal of the Royal Society of Western Australia*, 91, 21-25.
  - Thompson, S.A., Thompson, G.G. and Oates, J.E. (2008) Range Extension of the Western Heath Dragon, *Rankinia adelaidensis adelaidensis* (Squamata: Agamidae). *Journal of the Royal Society of Western Australia*, 91, 207-208.
  - Thompson, G.G. and Thompson, S.A. (2007) Early and late colonizers in mine site rehabilitated waste dumps in the Goldfields of Western Australia. *Pacific Conservation Biology*, 13, 235-243.
  - Thompson, G.G. and Thompson, S.A. (2007) Shape and spatial distribution of Mulgara (*Dasyercus cristicauda*) burrows, with comments on their presence in a burnt habitat and a translocation protocol. *Journal of the Royal Society of Western Australia*, 90, 195-202.
  - Thompson, G.G. and Thompson, S.A. (2007) Usefulness of funnel traps in catching small reptiles and mammals, with comments on the effectiveness of the alternatives. *Wildlife Research*, 34, 491-497.
  - Thompson, G.G. and Thompson, S.A. (2007) Are backfilled burrows a predator protection strategy for the Spinifex Hopping Mouse. *Journal of the Royal Society of Western Australia*, 90, 111-113.
  - Thompson, S.A., Thompson, G.G. and Withers, P.C. (2007) Rehabilitation index for evaluating restoration of terrestrial ecosystems using the reptile assemblage as the bio-indicator, *Ecological Indicators*, 27, 41-61.
  - Thompson, G.G., Thompson, S.A., Withers, P.C. and Fraser, J.A. (2007) Determining adequate trapping effort and species richness using species accumulation curves for environmental impact assessment. *Austral Ecology*, 32, 570-580

- Thompson, G.G. and Thompson, S.A. (2007) Using species accumulation curves to estimate trapping effort in fauna surveys and species richness. *Austral Ecology*, 32, 564-569.
  - Thompson, S.A. and Thompson, G.G. (2007) Temporal variations in ground dwelling invertebrate biomass in the Goldfields of Western Australia. *Records of the Western Australian Museum*, 23, 235-240.
  - Thompson, S.A., and G.G. Thompson. (2005) Temporal variation in reptile assemblages in the Goldfields of Western Australia. *Journal of the Royal Society of Western Australia*, 88, 25-36.
  - Thompson, G.G., and S.A. Thompson. (2005) Mammals or reptiles, as surveyed by pit-traps, as bio-indicators of rehabilitation success for mine sites in the goldfields region of Western Australia? *Pacific Conservation Biology*, 11, 268-286
  - Thompson, S.A., Withers, P.C., Thompson, G.G. and Robinson, D. (2005) Range extension for the Perentie, *Varanus giganteus* (Squamata: Varanidae). *Journal of the Royal Society of Western Australian*, 88, 41-43.
  - Thompson, S.A., Thompson, G.G. and Withers, P.C. (2005) Capture rates of small vertebrates decrease as the pit-trapping effort increases at Ora Banda. *Journal of the Royal Society of Western Australian*, 88, 37-39.
  - Thompson, S.A., Thompson, G.G. and Withers, P.C. (2005) Influence of pit-trap type on the interpretation of fauna diversity. *Wildlife Research*, 32, 131-173
  - Thompson, S.A. and Thompson, G.G. (2004) Adequacy of rehabilitation monitoring practices in the Western Australian mining industry. *Ecological Management and Restoration*, 5(1), 30-33.
  - Thompson, S.A. and Thompson, G.G. (2003) The western bearded dragon, *Pogona minor*. An early lizard coloniser of rehabilitated areas. *Journal of the Royal Society of Western Australia*, 86(1), 1-5.
  - Ladyman, M.T. and Thompson, S.A. (2003) Hydrating eggs at parturition may reduce potential desiccation in Thorny Devil, *Moloch horridus* eggs. *Journal of the Royal Society of Western Australia*, 86(2), 83-84.
  - Thompson, G.G., Thompson, S.A., Withers, P.C. and Pianka, E.R. (2003) Diversity and abundance of pit-trapped reptiles of arid and mesic habitats in Australia: Biodiversity for Environmental Impact Assessments. *Pacific Conservation Biology*, 9, 120-135.
  - Thompson, G.G., Withers, P.C., Pianka, E.R. and Thompson, S.A. (2003) Assessing biodiversity with species accumulation curves. *Austral Ecology*, 28, 361-383.
  - Thompson, G.G., Thompson, S.A. and Fraser, J.L (2003) Surface activity of arid-adapted frogs. *Journal of the Royal Society of Western Australia*, 86, 115-116.
  - Thompson, S.A. (2003) Reproductive observations of a Thorny Devil, *Moloch horridus*, in a natural semi-arid environment. *Western Australian Naturalist*, 24(1), 73-78.
  - Thompson, G.G. and Thompson, S.A. (2002) Clutch of *Varanus caudolineatus* (Varanidae). *Western Australian Naturalist*, 23, 228.
  - Thompson, G.G. and Thompson, S.A. (2001) Behaviour and spatial ecology of Gilbert's dragon *Lophognathus gilberti* (Agamidae: Reptilia). *Journal of the Royal Society of Western Australia*, 84, 153-158.
  - Thompson, G.G., Withers, P.C. and Thompson, S.A. (1992) The combat ritual of two monitor lizards, *Varanus caudolineatus* and *Varanus gouldii*. *Western Australian Naturalist*, 19(1), 21-25.
- Presentations and Papers**
- Thompson, S. and Thompson G. (2016) Fauna assessment limitations and sources of error. Best Practice for Fauna Impact Assessment Workshop 6-7 July 2016. EIANZ, ECA and Department of Parks and Wildlife facilitated workshop, Kensington.
  - Thompson, G. and Thompson S. (2016) Existing knowledge and data analysis. Best Practice for Fauna Impact Assessment Workshop 6-7 July 2016. EIANZ, ECA and Department of Parks and Wildlife facilitated workshop, Kensington.
  - Thompson, G. and Thompson S. (2016) Survey effort. Best Practice for Fauna Impact Assessment Workshop 6-7 July 2016. EIANZ, ECA and Department of Parks and Wildlife facilitated workshop, Kensington.
  - Thompson, S. and Thompson G. (2016) Critter management – issues, ideas and a suggested way forward. Love your landscapes presentation for Landcare SJ. 1 June 2016, Mundijong.
  - Thompson, S. and Thompson G. (2016) Cat management in a peri-urban environment. NRM (WA) Feral cat round table workshop. 13 May 2016, Herdsman Lake Wildlife Centre, Churchlands.
  - Thompson, S. and Thompson G. (2016) Ferals in the urban area? Landscape connectivity, interaction and efficacy of control for foxes and



- cats. SW NRM Regional Parks and Reserves Management Group meeting. 5 April 2016.
- Thompson, S. and Thompson G. (2016) Fauna Management - issues, ideas and a suggested way forward. SW NRM Regional Parks and Reserves Operational Group meeting. 5 April 2016.
  - Thompson, S. and Thompson G. (2016) Vertebrate Pest Management in the Goldfields: obligations and options. Presentation at the GEMG biannual conference. 18-20 May 2016
  - Thompson, S. and Thompson G. (2015) Monitoring and relocating Quenda – lessons learnt. Wildlife in a Changing Environment. Australasian Wildlife Management Society 23-26 November 2015, Perth, Western Australia.
  - Thompson, G. and Thompson, S. (2015) Environmental offsets: are we getting value for money and how can we do it better? Wildlife in a Changing Environment. Australasian Wildlife Management Society 23-26 November 2015, Perth, Western Australia.
  - Thompson, S, Thompson, G, Sackmann, J, Spark, J and Brown T (2014) Using high definition aerial photography to search for Malleefowl Mounds – Extension Hill case study. Presentation at the Great Victoria Desert Trust workshop series on threatened species, 25 November 2014.
  - Thompson, G and Thompson, S (2014) Marsupial Moles (*Notoryctes caurinus*, *N. typhlops*). Presentation at the Great Victoria Desert Trust workshop series on threatened species, 24 November 2014.
  - Spark, J, Thompson S, Thompson G, Brown, T and Sackmann J (2014) Using high definition aerial photography to search for Malleefowl Mounds Surveying and Spatial Sciences Institute WA Conference, 19 September 2014.
  - Spark, J, Brown, T, Thompson S, Thompson G, and Sackmann J (2014) Using high definition aerial photography to search for Malleefowl Mounds Surveying and Spatial Sciences Institute SA Conference.
  - Bechtel talk for CVX environment week
  - Sackmann J, Spark, J, Thompson S, Thompson G and Brown, T (2014) Using high definition aerial photography to search for Malleefowl Mounds 5th National Malleefowl Forum was held in Dubbo, NSW, September 2014.
  - Thompson, S, Thompson, G, Sackmann, J, Spark, J and Brown T (2014) Using high definition aerial photography to search for Malleefowl Mounds – Extension Hill case study. *Proceedings of the Goldfields Environmental Management Group 2014 Workshop on Environmental Management in Arid and Semi-arid Areas*, Goldfields Environmental Management Group, Kalgoorlie.
  - Thompson S and Thompson G (2014). Small Vertebrate Fauna at Wheatstone. Presentation for Environment Week.
  - Thompson. G and Thompson, S (2013) Searching and trapping for Mulgara in the Pilbara. Presentation at the Department of Parks and Wildlife workshop series on threatened species in the Pilbara.
  - Thompson. G and Thompson, S (2012) Mine Closure: the forgotten fauna. *Proceedings of the Goldfields Environmental Management Group 2012 Workshop on Environmental Management in Arid and Semi-arid Areas*, Goldfields Environmental Management Group, Kalgoorlie.
  - Thompson, S., Thompson, G., Finlayson, G. and Mitrovski, P. (2010) *In-situ* monitoring and management of Western Ringtail Possums. 5 years on, *Western Ringtail Possum Symposium*. 29 June 2010, Busselton.
  - Thompson, G.G. and Thompson, S.A. (2010) Let's stop wasting money on vertebrate fauna surveys and fauna monitoring programs – Goldfields case study. *Proceedings of the Goldfields Environmental Management Group 2010 Workshop on Environmental Management in Arid and Semi-arid Areas*, Goldfields Environmental Management Group, Kalgoorlie.
  - Thompson, S., Finlayson, G. and Thompson, G. (2008) Western Ringtail Possums in an Urban Environment: development vs conservation. Australasian Wildlife Management Society of Australia. 21<sup>st</sup> Annual Conference. 24-27 November 2008, Fremantle.
  - Thompson, G. and Thompson, S. (2008) Using a risk assessment as the basis for undertaking fauna assessments for EIAs. Australasian Wildlife Management Society of Australia. 21<sup>st</sup> Annual Conference. 24-27 November 2008, Fremantle.
  - Finlayson, G., Thompson, S. and Thompson, G. (2008) Quenda monitoring in an urban environment: demonstrating the use of *in situ* management during urban development. Australasian Wildlife Management Society of Australia. 21<sup>st</sup> Annual Conference. 24-27 November 2008, Fremantle.
  - Thompson, S. (2008) Panel presenter at an Environmental Ethics Workshop. Environment Institute of Australia and New Zealand, Coming to the Rescue Environmental Practise in the 21<sup>st</sup> Century. 30-31 October, 2008, Melbourne.
  - Thompson, S.A. and Thompson, G.G. (2008) Searching and Monitoring for Malleefowl; Ground, Aerial and Thermal Surveys.

- Proceedings of Goldfields Environmental Management Group Workshop, Kalgoorlie, May 2008. pp 17-28.
- Thompson, S.A. and Thompson, G.G. (2008) Vertebrate fauna assessments along linear corridors. International Association for Impact Assessment, 4-10 May, Perth.
  - Thompson, G.G. and Thompson, S.A. (2008) Best practice in terrestrial vertebrate fauna assessments for EIAs. International Association for Impact Assessment, 4-10 May, Perth.
  - Thompson, G.G. and Thompson, S.A. (2007) Temporal and spatial variability in trappable terrestrial vertebrate fauna assemblages in semi-arid habitats. Ecological Society of Australia, 25-30 November, Perth. pp 162
  - Thompson, S.A. and Thompson, G.G. (2007) Vertebrate fauna assessments along linear corridors. Ecological Society of Australia, 25-30 November, Perth.
  - Scheltema, M., Thompson, S., Jones, P. and Thompson, G. (2007) Malleefowl at Mount Gibson. National Malleefowl Forum, Katanning 7-10 September 2007.
  - Thompson, S.A. and Thompson, G.G. (2006) Quantification of rehabilitation success on mine site waste dumps. In: A. Fourie, and M. Tibbett, editors. *Mine Closure 2006, Proceedings of the First International Seminar on Mine Closure 13-15 September 2006*. Australian Centre for Geomechanics, University of Western Australia, Perth.
  - Thompson, G.G. and Thompson, S.A. (2006) Small vertebrate colonisers of mine site rehabilitated waste dumps in the Goldfields of Western Australia. Pages 309-318 in A. Fourie, and M. Tibbett, editors. *Mine Closure 2006, Proceedings of the First International Seminar on Mine Closure 13-15 September 2006*. Australian Centre for Geomechanics, University of Western Australia, Perth.
  - Thompson G. and Thompson S. (2006) The impact of Land Clearing and Mining on Arid-Adapted Frogs, Goldfields Environmental Management Workshop 2006, Kalgoorlie.
  - Thompson, S.A. and Thompson, G.G. (2005) Rehabilitation index for evaluating the success of rehabilitated disturbed areas using reptile assemblages as a bio-indicator. Paper presented at Fifth World Congress of Herpetology in Stellenbosch, South Africa, June 2005.
  - Thompson, G.G. and Thompson, S.A. (2004) Rehabilitation: Being environmentally neutral. Paper presented at Workshop on Environmental Management: Proceedings of Goldfields Environmental Management Group Workshop, Kalgoorlie, May 2004. Pages 129-134.
  - Thompson, S.A. (2004) Reptiles as bio-indicators and the use of reptile assemblages in developing a Rehabilitation Index. Paper presented as part of the Curtin University Seminar Series.
  - Thompson, S.A. (2003) Rehabilitation index and monitoring protocol for evaluating the success of rehabilitated mining sites. Kalgoorlie, Western Australia. Paper presented at the Kalgoorlie Environmental Forum.
  - Thompson, S.A. (2003) Rehabilitation index and monitoring protocol for evaluating the success of rehabilitated mining sites. Capel, Western Australia. Paper presented at the South West Environmental Forum.
  - Thompson, S.A. (2003) Rehabilitation index for the Cawse Nickel mine site using reptile assemblages as indicators. Paper presented at the 2003 Royal Society of Western Australia postgraduate student symposium, Perth.
  - Thompson, S.A. and Thompson, G.G. (2003) Rehabilitation index and monitoring protocol for evaluating the success of rehabilitated mining sites. Paper presented at the 2003 Ecological Society of Australia's Congress in Armadale, NSW.
  - Thompson, S.A. (2002) Rehabilitation index based on reptile community structure for mine site monitoring. Paper presented at 2002 Workshop on Environmental Management in Arid and Semi-arid Areas, GEMG, Kalgoorlie, May 2002.
  - Thompson, G.G. and Thompson, S.A. (2002) Terrestrial fauna surveys: why, when and how much? Paper presented at 2002 Workshop on Environmental Management in Arid and Semi-arid Areas, GEMG, Kalgoorlie, May 2002.
  - Thompson, S.A. and Thompson, G.G. (2002) Terrestrial Fauna Surveys for Reptiles: What, when and how much. Poster presented at the 3<sup>rd</sup> World International Wildlife Management Congress, Christchurch, New Zealand.
  - Thompson, S.A. (2002) Rehabilitation index based on reptile community structure for mine site monitoring. Paper presented at the 2002 Workshop on Environmental Management in Arid and Semi-arid Areas, Kalgoorlie.
  - Thompson, G.G., Withers, P.C., Pianka, E.R., and Thompson, S.A. (2002) Assessing reptile diversity using species accumulation curves. Paper presented at the Australian Society of Herpetologists, 29th General meeting, 11-15 July, 2002, Birrigai, ACT, Australia.
  - Thompson, S.A. (2001) Fauna communities as an indicator of rehabilitation success - a preliminary analysis. Paper presented at the Goldfields Land Rehabilitation Group Annual General Meeting, Kalgoorlie.

- Thompson, S.A. (2001) Lizard communities as indicators of rehabilitation success. Poster presented at the Indicators of Ecosystem Rehabilitation Success, Perth.
- Thompson, S.A. (2000) Remediation of acidic coal mine voids - is addition of organic matter a solution? Paper presented at the second annual Royal Society of Western Australia postgraduate student symposium, Perth.
- Thompson, S.A. (1999) Remediation of acidic coal mine voids - is addition of organic matter a solution? Paper presented at the New Zealand Limnological Society and Australian Society of Limnology Joint Annual Conference. Sustainable Freshwater Ecosystems: the new millennium, Taupo, New Zealand.

#### **Reports**

- Lund, M., Bill, D., Keneally, T., Brown, S. and Thompson, S. (2000) Sub Project: Bacterial Strategies for increasing pH in acidic voids. In: Philips, B., Evans, L., Sappal, K., Fox, J., John, J., Lund, M. *Final Void Water Quality Enhancement Stage III: Final Report*. Report to the Australian Coal Association Research Program. Curtin University, Perth.