

# *Associate Professor*

## *Dr. Jean-Marc Hero*

### **ADDRESS:**

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### **PRESENT POSITION: Associate Professor – Level D.**

School of Environmental & Applied Sciences, Griffith University, Gold Coast Campus

### **ACADEMIC QUALIFICATIONS:**

Doctor of Philosophy: June, 1991.

Division of Australian Environmental Studies, Griffith University Nathan, Qld. 4111 Australia

Masters Preliminary (Qualifying by Course work): June, 1988.

Australian Environmental Studies, Griffith University.

Bachelor of Science Degree: 1978 - 1980.

Australian Environmental Studies, Griffith University.

### **PROFESSIONAL QUALIFICATIONS:**

- Drivers Licence; classes (car, motorbike and tractor)
- Speed Boat Licence & Launch Masters Certificate
- NQS Qualified SCUBA Diver
- American Red Cross; CPR and First Aid Qualifications (1984)
- Queensland Ambulance Service; First Aid Certificate, September, 1994.
- Fluent in the Spanish and Portuguese languages.

### **RESEARCH INTERESTS**

Conservation biology of amphibians and reptiles. Life history characteristics of rarity and extinction. Ecological determinants of species diversity and richness. Gradient Ecology: Influence of altitude latitude and longitude on Biodiversity. Community ecology of amphibians (adult and larval). Population ecology ( PVA: population viability analysis ). Environmental management & impact assessment. Toxicology of herbicides and pesticides to amphibian larvae. Population genetics of amphibian populations. Cane Toad interactions (adult and larval). Anuran bioacoustics.

## AWARDS

**2007 FEATURE ARTICLE** published in the journal Diseases of Aquatic Organisms in 2007.

**2002 Biotropica Award for Excellence in Tropical Biology:** presented to the author of a paper published during the calendar year of 2001 in Biotropica for an outstanding contribution based on research conducted in tropical regions.

## RESEARCH Experience

**Senior Research Fellow** Declining Frog Project: Wet Tropics Management Authority; Cooperative Research Centre for Tropical Rainforest Ecology and Management; Department of Zoology, James Cook University. Research activities include: population and behavioral ecology of the "declining" frogs species in the Wet Tropics biogeographic region; conservation biology of the Eungella frogs; community ecology of anuran larvae in the savanna woodlands of the Townsville region. Teaching Activities include: lecturing in 3rd year Zoology subjects and supervision of undergraduate and postgraduate students working on amphibians and reptiles. **1994 - 1996.**

**Postdoctoral Research Fellow / Part-time Lecturer:** Department of Zoology, James Cook University, CSIRO Cane Toad Project. Research activities include: The influence of Cane Toads on amphibian community ecology in Australia. The influence of habitat modification on Cane Toads. Keelback Snake and Cane Toad interactions. Conservation biology of the Eungella frogs. The influence of climate on the decline of *Taudactylus acutirostris* in the Wet Tropics. Teaching Activities include: lecturing in 3rd year Zoology subjects and supervision of undergraduate and postgraduate students working on amphibians and reptiles. February - December **1993.**

**Postdoctoral Fellowship:** C.S.I.R.O. Division of Wildlife and Ecology.

Research Leader and Principal Scientist - Cane Toad Project, Venezuela. Responsible for the administration and research of seven staff at the Instituto Venezolano de Investigaciones Cientificas, Venezuela. March 1991 - December 1992.

**Research Assistant** to Dr M. J. Littlejohn: Dept. Zoology, The University of Melbourne (Amphibian Ecology). April 1990 - March 1991.

**Research Consultant:** Dept. Conservation Forests and Lands, Victoria.

Assessed the status of the spotted tree-frog (*Litoria spenceri*) in the Wongungarra River, East Gippsland, Victoria. December 1989 - January 1990.

**Research Assistant** to Dr I. Poiner and Dr C. Catterall: CSIRO

Marine Lab, Cleveland / Griffith University, Nathan, Brisbane (Ecology of marine molluscs). March 1988 - August 1989.

**Postgraduate research** with Amazonian herpetofauna, Manaus, Brasil.

January 1985 - November 1987.

**Research Assistant** to Dr W.E. Magnusson: INPA / University of

Amazonas, Manaus, Amazonas, Brasil (Crocodilian Ecology and Management Biology). January 1985 - November 1987.

**Research Assistant** to Dr W. Robertson: Everglades National Park, Florida, USA. Osprey, Bald Eagle and wading bird population ecology. Florida panther (*Felis concolor*) population estimates.

January - May, 1984.

**Biological Aid** (fisheries): US Fish and Wildlife Service, Yellowstone

N.P., Wyoming, USA. Research to facilitate the monitoring and management of the Cuthroat Trout fishery. June - October 1983.

**Ranger:** Queensland National Parks and Wildlife Service. Duties included: management and maintenance of camping and day use areas; building and vehicle maintenance; law enforcement; interpretation; management planning and supervision of staff. November 1980 to February 1983.

## **APPOINTMENTS AND MEMBERSHIP OF PROFESSIONAL BODIES**

### **IUCN Amphibian Specialist Group 2007**

**Committee Member, World Congress of Herpetology.** 2001- present.

**Deputy Chair: International Herpetological Committee.** 2001- 2005.

**Web-Manager: International Herpetological Committee.** 2001 - 2006.

**Australian representative on the Board of Governors, Society for Conservation Biology,  
Australasian Section (OZNZBOG)** June 2002- present.

**Chair of the Education Committee, Society for Conservation Biology, Australasian Section  
(OZNZBOG)** June 2002- present.

**International Coordinator and Australian Global Partner for AmphibiaWeb.** Based at the Museum  
of Vertebrate Zoology, University of California, Berkeley, U.S.A. (May 2002 – present).

**Coordinator – IUCN – Australian Global Amphibian Assessment** 2000-present

**Vice-President, President Australian Society of Herpetologists.** March 2006 - 2007.

**President, Australian Society of Herpetologists.** January 2005 - March 2006.

**Committee Member and Editor: Australian Society of Herpetologists.** 1998-present

**Web-Manager: Australian Society of Herpetologists.** 1998-present

**Associate Researcher: Rainforest CRC - Project 6.1** (2001-present).

**International Reviewer: South African National Research Foundation** 2003.

**Secretary:** Victorian Herp Group July 1990 - March 1991.

**Member:** Society of Conservation Biology, Ecological Society of Australia. Australasian Wildlife  
Management Society. American Society of Ichthyologists and Herpetologists. Australian Society of  
Herpetologists.

## RESEARCH PUBLICATIONS

### BOOKS

1. Hoskin, C. & J.-M. **Hero**. *in press*. Rainforest Frogs of the Wet Tropics (between Townsville and Cooktown). **Griffith University**. 84pp.
2. Meyer, E., H.B. Hines & J.-M. **Hero**. **2001**. Wet Forest Frogs of South-east Queensland. **Griffith University**. 57pp. **Winner Bronze Queensland Printing Industry Craftsmanship Award (2001)**
3. **Hero**, J.-M. & S. Fickling **1994**. A Guide to Stream-dwelling Frogs of the Wet Tropics Rainforests. 28 pp. **James Cook University Press, Townsville**. (reprinted in 1997).
4. **Hero**, J.-M., M. J. Littlejohn & G. Marantelli. **1991**. Frogwatch Field Guide to Victorian Frogs. 108 pp. **Victorian Department of Conservation & Environment, Melbourne**, Australia.

### BOOK CHAPTERS

5. **Hero**, J.-M. and K. M. Kriger. *in press* Threats to Amphibians in Tropical regions. Chapter XX *in* **EOLSS UNESCO Tropical Zoology**
6. **Hero** J.-M., S. Richards, R. Alford, A. Allison, P. Bishop, R. Günther, D. Iskandar, F. Kraus, F. Lemckert, J. Menzies, D. Roberts, M. Tyler *in press*. Amphibians of the Australasian Region. Chapter XX 16 *in* Threatened Amphibians of the World. Lynx Ediciones (www.hbw.com).
7. **Hero** J.-M. C. Morrison, J. Chanson, S. Stuart, and N. A. Cox. *in press*. Phylogenetic correlates of extinction risk in amphibians. Chapter 19 *in* **Amphibian Biology**. Volume 10: Conservation of amphibians. (Eds) H. Heatwole & J. W. Wilkinson. Surrey Beatty & Sons, NSW.
8. Morrison, C. & J.-M. **Hero**. *in press*. Geographic correlates of extinction risk in amphibians. Chapter 20 *in* **Amphibian Biology**. Volume 10: Conservation of amphibians. (Eds) H. Heatwole & J. W. Wilkinson. Surrey Beatty & Sons, NSW.
9. **Hero** J.-M. and C. Morrison. *in press*. Life History correlates of extinction risk in amphibians. Chapter 21 *in* **Amphibian Biology**. Volume 10: Conservation of amphibians. (Eds) H. Heatwole & J. W. Wilkinson. Surrey Beatty & Sons, NSW.
10. **Hero** J.-M. and M. Van Sluys. *in press*. Final Chapter & Overview of Conservation of Amphibians. Chapter 19 *in* **Amphibian Biology**. Volume 10: Conservation of amphibians. (Eds) H. Heatwole & J. W. Wilkinson. Surrey Beatty & Sons, NSW.
11. **Hero**, J.-M. **2006**. Frogs. Pages 165-170, 212, 222 & -223. *in*, L. Hutley, editor. **A Guide to Lamington National Park**. Lamington Natural History Association. Envirobook, N.S.W.
12. **Hero**, J.-M., & T. Ridgway. **2006**. Declínio Global de Espécies. Chapter 3, Pages 53-90 *in* C. F. D. Rocha, H. G. Bergallo, M. Van Sluys e M. A. S. Alves (editors). **Biologia da Conservação: Essências**. Rima Press; Santa Paula, Brasil.

## BOOK CHAPTERS – continued

13. **Hero, J.-M. 2005.** Evaluating public cane toad eradication programs. Pages 38-41 in R. Taylor and G. Edwards (editors). A Review of the Impact and Control of Cane Toads in Australia with Recommendations for Future Research and Management Approaches. *A Report to the Vertebrate Pests Committee from the National Cane Toad Taskforce, Australian Commonwealth Government*. June 2005 ISBN: 0724548629
14. **Hero, J.-M., M. Stoneham, P. Nanjappa & M. Lannoo. 2004.** Bufo marinus. Pages 417-422. in M. J. Lannoo, editor. **Amphibian Declines: Conservation Status of United States Species**. Volume 2: Species Accounts. University of California Press, Berkeley, California.
15. **Hero, J.-M. and L. Shoo. 2003.** Conservation of amphibians in the Old World tropics: defining unique problems associated with regional fauna. in R. D. Semlitsch, editor. **Amphibian Conservation**. Smithsonian Institution Press, Washington, D.C. Chapt. 6. Pp: 70-84.
16. Kutt, A. S., J.E. Kemp, K.R. McDonald, Y. Williams, S.E. Williams, H. Hines, J.-M. **Hero** & G. Torr. **2003.** Vertebrate fauna assemblage patterns in White Mountains National Park and its relationship to the Desert Uplands bioregion, central-north Queensland. Pp. 47-74 in Comben, L., T. Westacott & K. Berg. (eds) **White Mountains Scientific Study Report**. Royal Geographical Society of Queensland. Milton, Qld.
17. Gillespie, G. R. and J.-M. **Hero. 1999.** Potential impacts of introduced fish and fish translocations on Australian amphibians. Pages 131-144 in A. Campbell, editor. **Declines and Disappearances of Australian Frogs**. Environment Australia, Canberra.

## C1. REFEREED PUBLICATIONS (MONOGRAPH)

18. **Hero, J.-M. 1990.** An illustrated key to aquatic tadpoles occurring in the Central Amazon rainforest, Manaus, Amazonas, Brasil. **Amazoniana** 11(2):201-262.

## C1. REFEREED PUBLICATIONS / International Journals

19. Kriger, K.M. and **Hero, J.-M. 2007.** The chytrid fungus *Batrachochytrium dendrobatidis* is non-randomly distributed across amphibian breeding habitats. **Diversity and Distributions**. 2007: 1-8.
20. Kriger, K.M., Pereoglou, F. and **Hero, J.-M. 2007.** Latitudinal variation in the prevalence and severity of chytrid (*Batrachochytrium dendrobatidis*) infection in Eastern Australia. **Conservation Biology**: **21(5)**:1280-1290.
21. Hodgkison S., **Hero J.-M.**, Warnken J. **2007** The efficacy of small-scale conservation efforts as assessed on Australian golf courses. **Biological Conservation**. 135: 576-586
22. Koch, A.J. and **Hero, J.-M. 2007.** The relationship between environment conditions and activity of the Giant Barred Frog (*Mixophyes iteratus*) on the Coomera River, SE Queensland. **Australian Journal of Zoology**. 55: 89-95.

**C1. REFEREED PUBLICATIONS – continued**

23. Hodgkison S., **Hero J.-M.**, Warnken J. **2007** The conservation value of golf courses in a rapidly urbanising region of Australia. **Landscape and Urban Planning** 79:323-337.
24. Kriger, K.M. and **Hero, J.-M.** **2007**. Large-scale seasonal fluctuations in the prevalence and severity of chytridiomycosis. **Journal of Zoology, London**. 271: 352-359.
25. Hyatt. A.D., D.G Boyle, V. Olsen, D.B. Boyle L. Berger, R. Phillott, R. Campbell, D. Obendorf, A. Dalton, K. Kriger, M. **Hero**, H. Hines, F. Gleason and A Colling. **2007**. Diagnostic assays and sampling protocols for the detection of *Batrachochytrium dendrobatidis*. **Diseases of Aquatic Organisms**. 73:175-192. \*\*\* FEATURE ARTICLE \*\*\*
26. Kriger, K.M., K. J. Ashton, H. B. Hines and **Hero, J.-M.** **2007**. On the biological relevance of a single *Batrachochytrium dendrobatidis* zoospore: a reply to Smith (2007). **Diseases of Aquatic Organisms**. 73:257-260.
27. **Hero, J.-M.**, C. Morrison, G. Gillespie, J.D. Roberts, D. Newell, E. Meyer, K. McDonald, F. Lemckert, M. Mahony, W. Osborne, H. Hines, S. Richards, C. Hoskin, J. Clarke, N. Doak & L. Shoo. **2006**. Overview of the conservation status of Australian Frogs. **Pacific Conservation Biology**. 12: 313-320.
28. Kriger, K.M. and **Hero, J.-M.** **2006a**. Survivorship in Wild Frogs Infected with Chytridiomycosis. **EcoHealth** 3: 171-177.
29. Kriger, K. M., J.-M. **Hero** & K. Ashton. **2006**. Cost efficiency in the detection of Chytridiomycosis using PCR assay. **Diseases of Aquatic Organisms**. 71: 149–154.
30. Kriger, K. M., H. B. Hines, A.D. Hyatt, D.G. Boyle & J.-M. **Hero**. **2006**. Techniques for Detecting Chytridiomycosis in Wild Frogs: Comparing Histological with Real-Time Taqman PCR. **Diseases of Aquatic Organisms**. 71: 141–148.
31. Schloegel, L., J.-M. **Hero**, L. Berger, R. Speare, K. McDonald & P. Daszak. **2006**. The decline of the sharp-snouted day frog (*Taudactylus acutirostris*): The first documented case of extinction by infection in a free-ranging wildlife species? **Ecohealth** 3: 35-40.
32. Shoo, L., S. Williams & J.-M. **Hero**. **2006**. Detecting climate change induced range shifts: where and how should we be looking? **Austral Ecology**. 31: 22–29.
33. **Hero, J.-M.**, S. E. Williams & W. E. Magnusson. **2005**. Ecological traits of declining amphibians in upland areas of eastern Australia. **J Zoology Lond**. 267, 221–232.
34. Shoo, L., S. Williams & J.-M. **Hero**. **2005**. Decoupling of trends in distribution area and population size of species with climate change. **Global Change Biology**. 11:1469-1476.
35. Shoo, L., S. Williams & J.-M. **Hero**. **2005**. Climate warming and the rainforest birds of the Australian Wet Tropics: using abundance data as a sensitive predictor of change in total population size. **Biological Conservation**. 125:335-343.
36. Rachowicz, L. J., J.-M. **Hero**, R. A. Alford, J. W. Taylor, J. A.T. Morgan, V. T. Vredenburg, J. P. Collins, C. J. Briggs. **2005**. The novel and endemic pathogen hypotheses: competing explanations for the origin of

emerging infectious diseases of wildlife. **Conservation Biology** 19:1441-1448.

**C1. REFEREED PUBLICATIONS – continued**

37. Kutt, A. S., J.E. Kemp, K.R. McDonald, Y. Williams, S.E. Williams, H. B. Hines, J.-M. **Hero** & G. Torr. **2005**. Vertebrate fauna survey of White Mountains National Park in the Desert Uplands Bioregion, central-north Queensland. **Australian Zoologist**. 33:17-38.
38. **Hero** J.-M. & C. Morrison. **2004**. Frog Declines in Australia: global implications. **The Herpetological Journal**. 14:175-186.
39. Hazell, D., J.-M. **Hero** and D. Lindenmayer & R. Cunningham. **2004**. A comparison of constructed and natural habitat for frog conservation in an Australian agricultural landscape? **Biological Conservation**. 119:61-71.
40. Morrison, C., J.-M. **Hero** & J. Browning. **2004**. Altitudinal variation in the age at maturity, longevity and reproductive lifespan of anurans in subtropical Queensland. **Herpetologica** 60:34-44.
41. Hodgkison, S. & J.-M. **Hero**. **2003**. Seasonal, sexual and ontogenetic variations in the diet of the declining frogs, *Litoria nannotis*, *L. rheocola* and *Nyctimystes dayi*. **Wildlife Research**. 30:345-354.
42. Morrison, C. & J.-M. **Hero**. **2003** – Geographic variation in the life-history characteristics of amphibians: a review. **Journal of Animal Ecology**. 72: 270-279.
43. Morrison, C. & J.-M. **Hero**. **2003** – Altitudinal variation in growth and development rates of *Litoria chloris* and *L. pearsoniana* tadpoles in southeast Queensland, Australia. **Journal of Herpetology**. 37:59-64.
44. **Hero**, J.-M., W. E. Magnusson, F. Duarte da Rocha & C. Catterall. **2001**. Survival-strategies influence prey distributions and community diversity. **Biotropica** 33(1):131-141.  
**\*\*Winner 2002 Biotropica Award for Excellence in Tropical Biology (for best paper in 2001)\*\***
45. Morrison, C., **Hero** J.-M. & W. Smith. **2001** Mate selection by female *Litoria chloris* and *L. xanthomera*: size doesn't always matter. **Austral Ecology** 26(3):223-245.
46. Hodgkison, S. & J.-M. **Hero**. **2001** Daily behaviour and microhabitat use of the Waterfall frog, *Litoria nannotis*, in Tully Gorge, eastern Australia. **Journal of Herpetology**. 35:116-120.
47. Williams, S. E. & J.-M. **Hero**. **2001** Multiple Determinants of Australian Tropical Frog Biodiversity. **Biological Conservation**. 98:1-10.
48. Zancola, B. J., C. Wild & J.-M. **Hero**. **2000** Inhibition of *Ageratina riparia* (Asteraceae) by native flora and fauna. **Austral Ecology** 25:563-569.
49. Magnusson, W. E., A. Pimental Lima, J.-M. **Hero** & M. Carmozina de Araújo. **1999**. The rise and fall of a population of *Hyla boans*: reproduction in a neotropical Gladiator Frog. **Journal of Herpetology**. 33:647-656.
50. **Hero**, J.-M., C. Gascon & W. E. Magnusson. **1998**. Direct and indirect effects of predation on tadpole community structure in the Amazon rainforest. **Australian Journal of Ecology**. 23: 474-482.

### C1. REFEREED PUBLICATIONS – *continued*

51. Williams, S. E. & J.-M. Hero. 1998. Rainforest frogs of the Australian Wet Tropics: guild classification and the ecological similarity of declining species. **Proceedings of the Royal Society of London B**. 265:597-602.
52. Retallick, R.W.R. & J.-M. Hero. 1998. The tadpoles of *Taudactylus eungellensis* Liem and Hosmer and *T. liemi* Ingram (Anura; Myobatrachidae) and a key to the stream-dwelling tadpoles of the Eungella rainforest, in east-central Queensland, Australia. **Journal of Herpetology**. 32:304-309.
53. Hero, J.-M. & G. R. Gillespie. 1997. Epidemic disease and amphibian declines in Australia. **Conservation Biology** 11:1-3.
54. Lawler, K. & J.-M. Hero. 1997. Palatability of *Bufo marinus* tadpoles to a vertebrate fish predator decreases with development. **Wildlife Research** 24:327-334.
55. Mijares-Urrutia, A. & J.-M. Hero. 1997. Los renacuajos de *Hyla luteocellata* e *Hyla vigilans* (Anura Hylidae) de Venezuela. **Revista de Biología Tropical**. 44:585-592.
56. Evans, M., C. Yaber & J.-M. Hero. 1996. Factors influencing choice of breeding site by *Bufo marinus* in its natural habitat. **Copeia** 1996(4):904-912.
57. Hero, J.-M. & A. Mijares-Urrutia. 1995. The tadpole of *Scinax rostrata* (Anura, Hylidae). **Journal of Herpetology** 29(2):307-311.
58. Hero, J.-M., A. Lima & L. Joseph. 1992. Greater Yellow Headed Vultures feeding on a three-toed sloth in Amazonian rainforest. **El Hornero** (Argentina) 13(3):235.
59. Ramos, C.B.A., M. Van Sluys, J.-M. Hero & W.E. Magnusson. 1992. Influence of tadpole velocity on predation by odonate naiads. **Journal of Herpetology** 26(3):335-337.
60. Magnusson, W.E. & J.-M. Hero. 1991. Predation and the evolution of complex oviposition behaviour in Amazon rainforest frogs. **Oecologia** 86:310-318.
61. Hero, J.-M. & U. Galatti. 1990. Characteristics distinguishing *Leptodactylus pentadactylus* and *L. knudseni* in central Amazon rainforest. **Journal of Herpetology** 24(2):226-228.
62. Magnusson, W. E., A. P. Lima, J.-M. Hero, T. M. Sanaiotti & M. Yamakoshi. 1990. *Paleosuchus trigonatus* Nests: Sources of heat and embryo sex ratios. **Journal of Herpetology** 24(4):397-400.
63. Hero, J.-M. 1989. A simple code for toe clipping anurans. **Herpetological Review** 20(3):66-67.

### C1. REFEREED PUBLICATIONS / National Journals (Australia)

64. Hero, J.-M. & S. Fickling. 1996. Reproductive Characteristics of Female Frogs from Mesic Habitats in Queensland. **Queensland Museum Memoirs**. 39(2):306.
65. Hero, J.-M., S. Fickling & R.W.R. Retallick. 1996. The tadpole of *Litoria revelata* Ingram, Corben and Hosmer, 1982 (Anura: Hylidae). **Transactions of the Royal Society of South Australia** 120:71-73.
66. Mitchell, D. Jones, A. & J.-M. Hero. 1995. Predation on the Cane Toad (*Bufo marinus*) by the Black Kite (*Milvus migrans*). **Queensland Museum Memoirs** 38(2):512.

67. **Hero, J.-M., G. F. Watson & G. Gillespie 1995.** The tadpole of *Litoria spenceri* (Anura, Hylidae). **Proceedings of the Royal Society of Victoria.** 107:39-43.
68. **Hero, J.-M. & G. R. Gillespie. 1993.** The tadpole of *Litoria phyllochroa* (Anura, Hylidae). **Proceedings of the Royal Society of Victoria** 105(1):31-38.

**C3. LETTER OR NOTE – published in a journal Controlled by an Editorial Board.**

69. Kriger, K.M. and **Hero, J.-M. 2006b.** *COPHIXALUS ORNATUS* (Ornate Nursery Frog). CHYTRIDIOMYCOSIS. **Herpetological Review.** 37:443
70. **Hero J-M, Hazell D. and Hodgkison S. 2005.** Winners and losers: the impacts of modifying natural landscapes on amphibian and reptile assemblages in eastern Australia. *New Zealand Journal of Zoology*, (Published Abstract) 32: 219-232.
71. **Hero, J.-M. 2005.** Book Review: Statistics without Math by Magnusson, W. E. & G. Mourão. **Bulletin of the Ecological Society of America.** *In press*
72. **Hero, J.-M. 2005.** Book Review: Frogs of Australian by J. R. Turner. **Quarterly Review of Biology.** *In press.*
73. **Hero, J.-M. C. Morrison, G. Gillespie, D. Roberts, P. Horner, D. Newell, E. Meyer, K. McDonald, F. Lemckert, M. Mahony, M. Tyler, W. Osborne, H. Hines, S. Richards, C. Hoskin, N. Doak and L. Shoo. 2004.** Conservation Status of Australian Frogs. **FROGLOG.** 65:2-3.
74. **Hero, J.-M. 2001.** Assessing the Conservation Status of Australian Frogs. **FROGLOG.** 46:6.
75. **Hero, J.-M., B. Dadds, D. White & D. White 2000** New records of the “Vulnerable” Wallum Froglet in the Gold Coast Shire, Queensland. **Ecological Management & Restoration.** 1:74-75.
76. Harvey, M. A., Morrison, C. & **Hero J.-M. 1999.** *LITORIA LESUEURI* (Stony Creek Frog). PREDATION. **Herpetological Review.** 30:162-163.
77. **Hero, J.-M., H. Hines, E. Meyer, C. Morrison, C. Streatfeild & L. Roberts. 1998.** New records of “declining” frogs in Queensland, Australia (- February 1998). Newsletter of the Declining Amphibian Population Taskforce (DAPTF). **FROGLOG.** October, **29:** 1-4.
78. **Hero, J.-M. 1998.** Book Review: Amphibians in Decline: Canadian studies of a global problem. **Herpetological Review.** 29: 252-254.
79. Retallick, R.W.R. & J.-M. **Hero. 1997.** *Litoria inermis*: female initiation of amplexus. **Herpetological Review.** 28 (3):147.
80. **Hero, J.-M. 1996.** Corrections to identification of photographs of endangered frogs of the wet tropics rainforest. **Herpetofauna.** 26:32
81. **Hero, J.-M. & W.E. Magnusson. 1987.** *Leptophus ahaetulla* FOOD. **Herpetological Review** 18(1):16
82. **Hero, J.-M. & Angelo dos Santos. 1987.** *Eunectes murinus* REPRODUCTION. **Herpetological Review** 18(2):36

## E1. CONFERENCE PUBLICATION - FULL WRITTEN PAPER - Refereed

83. Rudkin, K. C., J. Kirkwood, J.-M. **Hero** & M. Arthur. **2003**. A preliminary assessment of two north Queensland estuaries containing “no-take” fish reserves; quantifying the relative abundance and length distributions of target species. APAC Proceedings: Aquatic protected areas: what works best and how do we know? Australian Society for Fish Biology. North Beach W. A. **500-510**.
84. **Hero**, J.-M., H. Hines, E. Meyer, C. Morrison, & C. Streatfeild. **2002**. New records of “declining” frogs in Queensland, Australia (- April 1999). Pp 23-28. *in* R. Natrass, editor. **'Frogs in the Community'** - Proceedings of the Brisbane Conference 13-14 Feb. 1999. Queensland Frog Society Inc.
85. Hodgkison, S. & **Hero** J.-M. **2002**. Seasonal behaviour of *Litoria nannotis*, *L. rheocola* & *Nyctimystes dayi* in Tully Gorge, north Queensland, Australia. Pp 29-39. *in* R. Natrass, editor. **'Frogs in the Community'** - Proceedings of the Brisbane Conference 13-14 Feb. 1999. Queensland Frog Society Inc.
86. Morrison, C. & **Hero** J.-M. **2002** Geographical variation in life history characteristics of Amphibians in mid-eastern Australia: reproductive traits. Pp 40-48. *in* R. Natrass, editor. **'Frogs in the Community'** - Proceedings of the Brisbane Conference 13-14 Feb. 1999. Queensland Frog Society Inc.
87. Magnusson, W.E. & J.-M. **Hero**. **1990**. Diagnosis of sex of live hatchling *Paleosuchus trigonatus* by direct observation of the gonads. pp. 33-37. *In* **Proceedings of the 9th. Working Meeting of the Crocodile Specialist Group, IUCN - The World Conservation Union, Gland, Switzerland. Vol.2: 380p.**

## MANUSCRIPTS IN REVIEW (submitted for publication)

1. **Hero**, J.-M., N. Hamada & L. P. Shoo. *in press*. Reproductive and Population Ecology of Four Species of *Phyllomedusa* in the Central Amazonian Rainforest. **Acta Amazonica**. Accepted 18 April 2005
2. Smith W. P., J.-M. **Hero**, C. Morrison & R. Rowe. *in review*. Phonotaxis by female orange-thighed frogs, *Litoria xanthomera* (Anura, Hylidae). **Australian Zoologist**.
3. Van Sluys, M., Kriger, K.M. and **Hero**, J.-M. *in review*. Effects of Heat on the Viability of Swabs Used To Sample Wild Frogs for Chytridiomycosis. **Diseases of Aquatic Organisms**.
4. Murray, N. J., P. P. Shaw, D. Jones and J.-M. **Hero** *in review* Foraging behaviour and success of Australian White Ibis in an urban environment. **Waterbirds** submitted August 2006
5. Fong, A. G., R. Viña, I. Bignotte-Giró and J.-M. **Hero**. Population Ecology of the Stream-Dwelling Frog *Eleutherodactylus cuneatus* on La Gran Piedra, Eastern Cuba
6. Shoo, L. & J.-M. **Hero**. *in review* Colour change in Larval *Bufo marinus*: Response to Variations in Light and Background. **Journal of Herpetology**.
7. Shoo, L., J.-M. **Hero** & H. B. Hines. *in review* Conservation and distribution of the Giant Barred-frog and Fleay's Barred-frog in south-eastern Queensland. **Wildlife Research**.

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1. Speare R, Skerratt L, Berger L, Hines H, Hyatt AD, Mendez D, McDonald KR, **Hero J-M**, Marantelli G, Muller R, Alford R, Woods R. (2005). *A project that designs and trials a pilot survey to map the distribution of chytridomycosis (caused by the amphibian chytrid fungus) in Australian frogs*. Final report for project ID 44381 (tender 63/2003) to the Australian Government Department of the Environment and Heritage.
2. **Hero, J.-M. 2005**. Evaluating public Cane Toad eradication programs. Pages 38-41 in R. Taylor & G. Edwards (editors) *A review of the impact and control of Cane Toads in Australia with recommendations for Future research and Management Approaches. A report to the Vertebrate Pests Committee from the National Cane Toad Taskforce. June 2005*.
3. Meyer, E., J.-M. **Hero**, Shoo L. & B. Lewis. **2005**. *Recovery Plan for the Wallum Sedgefrog and other Wallum-dependent Frog Species 2005-2009*. Report to Department of Environment and Heritage, Canberra. Queensland Parks and Wildlife Service, Brisbane.
4. Denny, C., C. Morley, W. L. Chadderton & J.-M. **Hero. 2005** *Cane Toads and Invasive Mammal Eradication on Viwa Island, Fiji: Action Plan*. Cooperative Islands Initiative.
5. Meyer, E. and **Hero, J.-M. 2004**. *Draft Captive Husbandry Plan for the Critically Endangered Kroombit Tinkerfrog Taudactylus pleione*. Queensland Parks and Wildlife Service, Brisbane.
6. Morley, C. M. Ambrose & J.-M. **Hero. 2004** *Eradicating Cane Toads (Bufo marinus) and Pacific Rats (Rattus exulans) from Viwa Island, Fiji*. 25 pp. Final Report to Conservation International.
7. **Hero, J.-M.**, S. Phillips & L. Shoo. **2001** Survey for Reptiles, Amphibians and Mammals inhabiting the northern section of the proposed Tugun by-pass. **Unpublished Report to Queensland Department of Main Roads**. February, 2001.
8. **Hero, J.-M.**, S. Phillips & L. Shoo. **2000** Survey of Coastal Lowlands Associated with the Proposed Tugun by-pass (C4 Option). 39 p. **Unpublished Report to Queensland Department of Main Roads**. April, 2000.
9. **Hero, J.-M.** & L. Shoo. **2000** Preliminary Herpetological survey and assessment of Lots 1 & 2 on RP816911 and Lot 61 on S131880 – Mt Crosby. 9 p. **Unpublished Report to James Warren Associates**.
10. **Hero, J.-M. 2000** Management Plan to Protect the Diversity of Amphibians within Karawatha Forest Park. 41 p. **Unpublished report to Brisbane City Council**. 31 March 2000.
11. **Hero, J.-M. 1999** Significance of Amphibians and Reptiles found in lots 1 & 2, RP 107138 Yeerongpilly, within Karawatha Forest Park. **Unpublished Report to Brisbane City Council**. 29 September, 1999. 32 p. + Figures & Appendices.
12. **Hero, J.-M. 1999** Ecological Assessment of lots 1 & 2, RP 107138 Yeerongpilly, within Karawatha Forest Park. **Unpublished Report to Brisbane City Council**. 23 July 1999. 38 p + figures and appendices.

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13. Streatfeild & J.-M. **Hero**. **1999**. Radio-tracking the Endangered Giant Barred River Frog and the common Great Barred River Frog. **FROGSHEET** Spring 1999:8.
14. **Hero**, J.-M. **1997**. Frog Declines. **Nature Australia Magazine**. 25:4.
15. Retallick, R. W. R. R., J.-M. **Hero** & R. Alford. **1997**. Ecology of the stream-dwelling Amphibians of Eungella National Park. **Internal Report to Australian Nature Conservation Agency (ANCA) & the Queensland National Parks and Wildlife Service**. 40p
16. **Hero**, J.-M. **1996**. Final Research Fellowship **Report to Wet Tropics Management Authority**.
17. **Hero**, J.-M. **1996**. Where are Queensland's Missing Frogs ? **Wildlife Australia Magazine**. 33: 8-13.
18. **Hero**, J.-M. M. Trenerry, G. Werren, A. Dennis, S.J. Richards, R. Retallick & David Stewart. **1995** Frog Calls of North-east Queensland: **Audio Cassette**. Produced by J.-M. **Hero**; Department of Zoology, James Cook University.
19. Retallick, R. & J.-M. **Hero**. **1994** Predation on an Eastern Waterdragon (*Physignathus lesueuri*) by a Common Brown Tree Snake (*Boiga irregularis*). **Herpetofauna** 24:47-48.
20. McNellie, M. & J.-M. **Hero**. **1994**. Mission Amphibian: the search for the missing rainforest frogs of Eungella. **Wildlife Australia Magazine**. 31(4):22-23.
21. **Hero**, J.-M. **1994**. Seed Dispersal by Sulphur-Crested Cockatoo. **Wingspan**. 15:40.
22. **Hero**, J.-M.. **1993**. Bufo Research in Townsville: **Annual Progress Report to CSIRO**. September, 1993
23. **Hero**, J.-M., M. Yaber, M. Lampo & V. Medialdea. **1992**. Bufo Research in Venezuela: **Annual Progress Report to CSIRO**. September, 1992
24. Watson, G.F., M.J. Littlejohn, J.-M. **Hero** & P. Robertson. **1991**. Conservation status, ecology and management of the Spotted Tree Frog (*Litoria spenceri*). Arthur Rylah Institute for Environmental Research - **Technical Report Series, Department of Conservation and Environment, Victoria**. **Report** No. 116:40 pp.
25. **Hero**, J.-M. **1991**. A Froggy Forecast: The Search for Victoria's Rarest Tree Frog. **Wildlife Australia Magazine**. 28, 14-15.
26. Pittock, J. & J.-M. **Hero**. **1991**. Victoria's Wild Alpine River (and The Spotted Tree Frog) **Wild Magazine**. Spring, 42:40-43.
27. **Hero**, J.-M. **1990**. The status of the Spotted Tree Frog (*Litoria spenceri*) in the Mt. Murray Forest Block. **Unpublished Scientific Report to the Victorian Department of Conservation Forests and Lands**, March 1990. 30 p.
28. **Hero**, J.-M., G. Miller & P. Rogers. **1980**. The herbicide 2,4,5-T and its alternatives. **Queensland Conservation Council Publ**. 19p.

## CREATIVE PRODUCTION

1. **Hero, J.-M. 1999.** Herpetological Research Activities at Griffith University Gold Coast. Australian Society of Herpetologists. Newsletter 39, January 1999: 48-49.
2. **Hero, J.-M. 1996** POSTER: Where are Queensland's missing frogs ? Produced by: CRC TREM, WTMA and the Dept. of Zoology, James Cook University.
3. **Hero, J.-M. and S. Fickling. 1993** POSTER: Lost in the Rainforest (The Mysterious Stream-Dwelling Frogs of the Eungella Region) Produced by: Dept. of Zoology, James Cook University.
4. James, D., J.-M. **Hero**, and G. Torr. **1993**, handout. Working List Townsville Reptiles
5. J.-M. **Hero. 1993**, unpublished handouts.
  - Missing and Declining Frogs of Queensland
  - Conservation of Native Frogs: How you can help.
6. **Hero, J.-M. and S. J. Richards. 1993**, unpublished handout.  
Checklist and Key to the Frogs of the Townsville Region

## WORLD WIDE WEB PUBLICATIONS

Species profiles for 210 species of Australian Frogs on AmphibiaWeb. **2002**. Administered through the Museum of Vertebrate Zoology at the University of California, Berkeley:

<http://elib.cs.berkeley.edu/aw/>

## REFEREEING OF SCIENTIFIC RESEARCH

- Annually referee papers for: Biological Conservation, Conservation Biology, Diversity & Distributions, Ecology, Oecologia, Biotropica, Austral Ecology, Copeia, Ecotropicos, Ecological Modelling, Journal of Herpetology, Journal of Tropical Ecology, Herpetological Review, Queensland Museum Memoirs, Herpetofauna, Australian Geographic Magazine.
- ARC Grant Proposals: National
- PhD and MSc thesis examiner: Charles Darwin University (2007).
- MSc thesis examiner: University of South Pacific (2006).
- MSc thesis examiner: University of Canberra (1995, 2005).
- PhD thesis examiner: Instituto Nacional de Pesquisas da Amazonia / Universidade do Amazonia, Brasil. 2006.
- PhD thesis examiner: University of Newcastle 2006.
- ARC Small Grant Proposals: Southern Cross University 2005.
- Reviewer of proposals for the NSW Scientific Committee 2001
- Reviewer of proposals for the Commonwealth Threatened Species Scientific Committee 2001
- Reviewer of proposals for the South African National Research Foundation

## INVITED SEMINARS / WORKSHOPS

- Invited Speaker:** Jean-Marc Hero. SEQId Science Network. **February 2007.**
- Invited Speaker:** Jean-Marc Hero. World Congress of Herpetology. **June 2005.**
- Invited Speaker:** Jean-Marc Hero, Donna Hazell, Simon Hodgkison & Damian White. Winners and losers. Amphibian and reptile conservation in human-dominated landscapes: Patterns, processes, and solutions. Annual Meeting of the Society for Conservation Biology, **2004** Columbia University, New York City, USA
- Invited Speaker:** Population Dynamics of Amphibians. Symposium at American Society for Ichthyologists and Herpetologists June **2003.** Manaus Brasil.
- Invited Speaker:** Managing Amphibian Declines in Australia: Global implications. Symposium on 'Global Amphibian Declines: is Current Research Meeting Conservation Needs?' Society for Conservation Biology, Canterbury UK 14-19 July, **2002.**
- Invited Speaker:** The "art" of the Postgraduate Student: Combining Science with Communication. The Ecology and Evolution Postgraduate Symposium, Griffith University, 12 July, **2001.**
- Guest Speaker:** The "art" of the Postgraduate Student: Combining Science with Communication. Australian Aquatic Ecology Postgraduate Workshop. 18-21 May, **2001.**
- Invited speaker:** National Threatened Frog Workshop (Canberra, Nov. 12-14, **1997**)
- Invited speaker:** Universidad do Estado do Rio de Janeiro (UERJ). Departamento de Ecologia (January **1997**).
- Invited speaker:** Instituto Nacional de Pesquisas da Amazonia, Manaus Amazonas Brasil. Seminario da Amazonia 97. 29 January **1997.**
- Invited speaker & participant:** Population and Habitat Viability Assessment Workshop. Dept. Natural resources & Environment, Arthur Rylah Institute, Melbourne. 5 - 8 Aug. **1996.**
- Invited speaker:** Wildlife Preservation Society of North Queensland, July **1996.**
- Invited speaker:** CRC- Tropical Rainforest Ecology and Management; Public Seminar. Cairns, February **1996.**
- Invited speaker:** Wet Tropics Management Authority, Public Seminar. February **1996.**
- Invited speaker:** CSIRO Atherton, Seminar Series. February **1996.**
- Invited speaker:** Centre for Conservation Biology, University of Queensland, 8 Dec. **1995.**
- Invited speaker:** Victorian Frog Group; Public Seminar. Sept. **1995.**
- Invited speaker:** Brisbane Frog Group; Public Seminar. Sept. **1995.**
- Invited speaker:** Wildlife Preservation Society of North Queensland, **1993, 1994.**
- Invited speaker:** Department of Biology, University of Puerto Rico, Puerto Rico Nov. 3, **1992.**
- Invited speaker:** Griffith University, Australia. Ecology Discussion Group, 10th March **1990.**
- Invited speaker:** Universidad Simon Bolivar, Caracas, Venezuela. June, **1991.**
- Invited speaker:** Universidad Central de Venezuela, Caracas, Venezuela. July, **1991.**
- Invited speaker:** Department of Zoology, The University of Melbourne, Victoria. 1 Aug. **1990.**
- Invited speaker:** Brisbane Ecology Get-Together, Q.U.T., Brisbane, Australia. 3rd. August **1989.**
- Invited speaker:** Griffith University, Australia. Ecology Discussion Group, March **1988.**
- Invited speaker:** Griffith University, Australia. Division Seminar Series, April **1988.**
- Invited speaker:** Queensland Museum, Brisbane, Australia. 18th May **1988.**
- Invited speaker:** Griffith University, Australia. Ecology Discussion Group, 9th June **1988**
- Invited speaker:** CSIRO Marine Laboratories, Cleveland, Australia. 11th August **1988.**
- Invited speaker:** University of Papua New Guinea, Port Moresby, P.N.G. 26th October **1988.**
- Invited speaker:** Kansas University Museum of Natural History, Kansas, USA. 20th August **1987.**
- Invited speaker:** Smithsonian Research Institute, Washington DC, USA. 24th August **1987.**
- Invited speaker:** South Florida Research Centre, Everglades N. P., USA. 31st August **1987.**

## CONFERENCE PRESENTATIONS

(Papers Presented at national or international meetings. All have published abstracts.)

1. **Hero, J.-M.** PPBio Program for Planned Biodiversity Studies. Biodiversity Extinction Crisis. Sydney July **2007**.
2. Kriger, K. M. & J.-M. **Hero**, Breeding Habitat, Altitude and Chytridiomycosis. **SSAR Conference**; St Lois, USA July **2007**.
3. Mijares-Urrutia, J. Hughes & J.-M. **Hero**. Conservation genetics . . . . . **SSAR Conference**; St Lois, USA July **2007**
4. **Hero, J.-M.** PPBio Program for Planned Biodiversity Studies. Rainforest Forum Griffith University Brisbane. June **2007**.
5. **Hero J.-M.**, W. E. Magnusson & B. E. Lawson. POSTER: Programme for planned biodiversity studies: ecologically robust and cost-effective site-based ecological data for multi-purpose research and management. **IALE International Association of Landscape Ecology July 2007**
6. Kriger, K. M. & J.-M. **Hero**, **Ecological Society of Australia Conference**; August **2006**.
7. Bauer, U., B. Stephens, S. Carter, J. **Hero**, J. Müller. **2006. IPSW 2<sup>nd</sup> International Passive Sampling Workshop and Symposium**. Bratislava, Slovakia 3-6 May 2006. P. 36.
8. Shoo, L., S. Williams & J.-M. **Hero**. **2006**. Predicting and detecting impacts of climate change on montane rainforest birds in the Australian wet tropics. In Global Change in Mountain Regions. Pp205-206.
9. Kriger, K. M. & J.-M. **Hero**, **USA Society of Herpetologists Conference**; July **2006**
10. Doak, N. and J-M **Hero** **Australian Society of Herpetologists Conference** Healesville, VIC; April **2006**.
11. Monique Van Sluys, D Vrcibradic, CEL Esbérard, MAS Alves, HG Bergallo, CFD Rocha and J-M **Hero**. **Australian Society of Herpetologists Conference** Healesville, VIC; April **2006**. Sampling effort and richness estimates in a leaf litter frog community of an Atlantic Rainforest area, southeastern Brazil. Poster.
12. Kriger, K. M. & J.-M. **Hero**, **Australian Society of Herpetologists Conference** Healesville, VIC; April **2006** "Latitudinal and Temporal Variation in the Prevalence and Severity of Chytridiomycosis in Stoney Creek Treefrogs (*Litoria lesueuri* complex).
13. Kriger, K. M. & J.-M. **Hero**, **Ecological Society of Australia Conference** Brisbane, QLD; November **2005** "Temporal, Spatial and Inter-Specific Variability in Levels of Chytridiomycosis in Frogs of Southeast Queensland."
14. Kriger, K. M. & J.-M. **Hero**, **Joint Meeting of Ichthyologists and Herpetologists** Tampa, Florida; July **2005** "Chytridiomycosis in Frogs of Southeast Queensland."
15. **Australian Society of Herpetologists Conference** Springbrook, QLD; February **2005** "Techniques for Detecting Chytridiomycosis in Wild Frogs: Comparing Histological with Real-Time Taqman PCR."
16. Kriger, K. M., H. B. Hines, J.-M. **Hero**, S. Wapstra. Techniques for Detecting Chytridiomycosis in Wild Frogs: Comparing Histological with Real-Time Taqman PCR. **Husbandry and Hygiene Conference**, The Amphibian Research Centre, Melbourne. 11-14 December, **2004**.
17. Skerratt, L., H. B. Hines, L. Berger, K. McDonald, R. Alford, D. Mendez, R. Muller, J.-M. **Hero**, A. Hyatt and R. Speare. Development of a mapping protocol for chytridiomycosis in Australian frog populations. **Husbandry and Hygiene Conference**, The Amphibian Research Centre, Melbourne. 11-14 December, **2004**.
18. Daszak, P., Cunningham, A.A., Patel, N.G., Schloegel, L. & **Hero, J.-M.** Extinction by infection: the underestimated role of pathogens in biodiversity loss. **Ecological Society of America** 1-6 August, **2004** Oregon, USA.
19. **Hero, J.-M.**, S. Hodgkinson & D. Hazel. Winners and Losers: The impacts of modifying natural landscapes on amphibian & reptile assemblages in eastern Australia. **Society for Conservation Biology**. New York. **2004**.
20. **Hero, J.-M.**, L. Shoo & N. Hamada. Population dynamics of Amazonian frogs - why do we know so little ? **Australian Society of Herpetologists**. Darwin, December. **2003**.
21. Ward, S. & J.-M. **Hero**. Reproductive phenology and population dynamics of *Mixophyes iteratus* in southeast Queensland. **Australian Society of Herpetologists**. Darwin, December. **2003**.
22. Hopkins, M. & J.-M. **Hero**. Temporal and spatial distribution of breeding activity in an 'acid' frog community at Tugun, south east Queensland **Australian Society of Herpetologists**. Darwin, December. **2003**.
23. Doak, N.C., Ponniah, M., Hines, H.B., Hughes, J.M., and J.-M. **Hero**. **2003**. Species status within the southern species of the genus *Mixophyes*. **Australian Society of Herpetologists**. Darwin, December. **2003**.
24. **Hero, J.-M.** & N. Hamada. Population dynamics of Amazonian frogs - why do we know so little ? **SSAR SSIH Joint Meetings**. Manaus, Brazil July **2003**
25. Doak, N.C. and J-M **Hero**. Hip Hop; Movement and activity in Fleays' Barred Frog. Joint Meeting of Ichthyologists and Herpetologists. **SSAR SSIH Joint Meetings**. Manaus, Brazil July **2003**.
26. White, D. & J.-M. **Hero**. The effect of habitat fragmentation, isolation and disturbance on faunal diversity of Melaleuca fragments on the Gold Coast. Consequences of Habitat Fragmentation Conference, Botanic Gardens Sydney. June. **2003**
27. **Hero, J.-M.** Managing Amphibian Declines in Australia: Global implications. **Queensland Frog Society Symposium**. 20 October **2002**.
28. Doak, N.C. and J-M **Hero**. Hip Hop; Movement and activity in Fleays' Barred Frog. **Queensland Frog Society Symposium**. 20 October **2002**.

## CONFERENCE PRESENTATIONS *continued*

29. **Hero, J.-M.** Managing Amphibian Declines in Australia: Global implications. Symposium on 'Global Amphibian Declines: is Current Research Meeting Conservation Needs?'. **Society for Conservation Biology**, Canterbury UK July, **2002**.
30. Doak N. C. and J.-M. **Hero**. Movement and activity of *Mixophyes fleayi*. **Australian Society of Herpetologists**. Canberra. ACT **2002**.
31. **Hero, J.-M.** & L. Shoo. Amphibian Conservation: ecological characteristics and scientific globalisation. **4<sup>th</sup> World Congress of Herpetology**, Sri Lanka, December **2001**
32. Morrison, C. & J.-M. **Hero**. Influence of altitude on the population resilience of amphibians in southeast Queensland, Australia. **4<sup>th</sup> World Congress of Herpetology**, Sri Lanka, December **2001**
33. Morrison, C. & J.-M. **Hero** Altitudinal variation in tadpole growth and development rates. **Australian Society of Herpetologists**. Tasmania, February **2001**.
34. Koch, A. & J.-M. **Hero** Designing efficient and effective monitoring techniques for a population of the endangered frog species *Mixophyes iteratus*. **Australian Society of Herpetologists**. Tasmania, February **2001**.
35. **Hero, J.-M.** S. E. Williams & W. E. Magnusson. The Ecological Characteristics of Declining Frogs in Australia: Implications for Global Amphibian Declines. **Getting the Jump! on amphibian diseases**. Conference and Workshop. Cairns, Australia. August **2000**.
36. **Hero, J.-M.** S. E. Williams & W. E. Magnusson. Global amphibian declines: using the Ecological Characteristics of Declining Amphibians as a tool for conservation **ASIH Herpetological Conference**, Mexico. June **2000**.
37. **Hero, J.-M.** S. E. Williams & W. E. Magnusson. The Ecological Characteristics of Declining Frogs in Australia: Implications for Global Amphibian Declines. **Fourth Asian Herpetological Conference, China**. July, **2000**.
38. **Hero, J.-M.** Managing the Cane Toad Invasion. **Australian Society of Herpetologists** Alice Springs 10-13 Dec. **1999**.
39. C. Streatfield & **Hero, J.-M.** Spatial movements of the ENDANGERED Giant Barred River Frog (*Mixophyes iteratus*) and the common Great Barred River Frog (*M. fasciolatus*). **Australian Society of Herpetologists** Alice Springs 10-13 December **1999**.
40. Shoo, L. **Hero, J.-M.** & H. B. Hines. Differences in macrohabitat associations among three species of *Mixophyes* (Anura: Myobatrachidae) in southeast Queensland. **Australian Society of Herpetologists** Alice Springs 10-13 December **1999**.
41. Morrison, C., **Hero, J.-M.** & W. P. Smith Mate selection by female *Litoria chloris* and *L. xanthomera*: size doesn't always matter. **Australian Society of Herpetologists** Alice Springs 10-13 December **1999**.
42. **Hero, J.-M.** Managing the Cane Toad Invasion. **Australasian Wildlife Management Society**. 12 th Annual Meeting & Conference. **Darwin** 1 Nov. – 3 Dec. **1999**.
43. Nunan, D.; Lindenmayer, D.; Mackey, B.; Cunningham, R.; **Hero, J.-M.**; Donnelly, C. Farm dams as amphibian habitat in an agricultural landscape. **Australasian Wildlife Management Society**. 12 th Annual Meeting & Conference. **Darwin** 1 Nov. – 3 Dec. **1999**.
44. Shoo, L. P., J.-M. **Hero** and H. B. Hines. Partitioning of ecological space within the genus *Mixophyes* (Anura: Myobatrachidae) in southeast Queensland. **Australasian Wildlife Management Society**. 12 th Annual Meeting & Conference. **Darwin** 31 Nov. – 3 Dec. **1999**.
45. Streatfield, C. A. & J.-M. **Hero**. Spatial movements of the ENDANGERED Giant Barred River-frog (*Mixophyes iteratus*) and the common Great Barred River-frog (*M. fasciolatus*). **Australasian Wildlife Management Society**. 12 th Annual Meeting & Conference. **Darwin** 1 Nov. – 3 Dec. **1999**.
46. **Hero, J.-M.** Ecology and Conservation: the phenology of *Litoria nannotis*, *L. rheocola*, *L. genimaculata* and *Nyctimystes dayi* in north Queensland. **Queensland Frog Symposium**. **Brisbane** 13-14 Feb. **1999**.
47. Morrison, C. & J.-M. **Hero**. Geographic variation in life history characteristics of amphibians in mid-eastern Australia: reproductive traits. **Queensland Frog Symposium**. **Brisbane** 13-14 Feb. **1999**.
48. **Hero, J.-M.** Global amphibian declines: using the Ecological Characteristics of Declining Amphibians as a tool for conservation. **Society for Conservation Biology**. **Sydney**: July 13-16 **1998**.
49. **Hero, J.-M.** Ecological Correlates of Reproductive Traits in Australian Amphibians. The 25 th Meeting of the **Australian Society of Herpetologists**. **Atherton** Qld. 5-8 Feb. **1998**.
50. **Hero, J.-M.** and S. E. Williams. Ecological characteristics of declining amphibians: Are these frogs more susceptible to extinction? **Southern Connections Conference**. **Valdivia Chile** 6-11 Jan. **1997**.
51. Williams, S. E. and **Hero, J.-M.** Biodiversity and assemblage structure of the rainforest frogs of the Australian Wet Tropics. **Southern Connections Conference**. **Valdivia Chile** 6-11 Jan. **1997**.
52. **Hero, J.-M.** and S. E. Williams. Ecological characteristics of declining amphibians: Are these frogs more susceptible to extinction? The 24 th Meeting of the **Australian Society of Herpetologists**. **W.A.** 22-25 Sept. **1996**.
53. Williams, S. E. and **Hero, J.-M.** Biodiversity and assemblage structure of the rainforest frogs of the Australian Wet Tropics: with implications for the declining frogs. The 24 th Meeting of the **Australian Society of Herpetologists**. **W.A.** 22-25 Sept. **1996**.
54. Fickling, S., J.-M. **Hero** & G. Ingram. Population dynamics of the Gastric Brooding Frog *Rheobatrachus silus*, a new look at the data. The 24 th Meeting of the **Australian Society of Herpetologists**. **W.A.** 22-25 Sept. **1996**.

## CONFERENCE PRESENTATIONS *continued*

55. Yvette Buffett, J.-M. **Hero** & R. Alford. Prey survival strategies of tadpoles: does predation on tadpoles have the potential to influence frog assemblage structure ? The 24 th Meeting of the **Australian Society of Herpetologists. W.A.** 22-25 Sept. **1996**.
56. Bolitho, E. & J.-M. **Hero**. Skeletochronology in the tropics. The 24 th Meeting of the **Australian Society of Herpetologists. W.A.** 22-25 Sept. **1996**.
57. Marantelli, G., G. Gillespie & J.-M. **Hero**. The state of the ark: an assessment of husbandry knowledge for anurans. The 24 th Meeting of the **Australian Society of Herpetologists. W.A.** 22-25 Sept. **1996**.
58. Oke, C., R. Crozier & J.-M. **Hero**. Using mtDNA sequence data towards the conservation of the endangered stream-dwelling frog, *Taudactylus eungellensis*. The 24 th Meeting of the **Australian Society of Herpetologists. W.A.** 22-25 Sept. **1996**.
59. **Hero**, J.-M. and S. E. Williams. Ecological characteristics of declining amphibians: Are these frogs more susceptible to extinction ? **World Heritage Tropical Forests Conference**, Cairns 2-6 September, 1996.
60. **Hero**, J.-M. and S. E. Williams. Ecological characteristics of declining amphibians: Are these frogs more susceptible to extinction ? **Ecological Society of Australia, Tasmania** 9-12 July **1996**.
61. Williams, S. E. and **Hero**, J.-M. Biodiversity and assemblage structure of the rainforest frogs of the Australian Wet Tropics: with implications for the declining frogs. **Ecological Society of Australia, Tasmania** 9-12 July **1996**.
62. **Hero**, J.-M., S. Fickling and Y. Buffett. Predation and prey survival strategies interact to influence prey community composition and species richness. **Ecological Society of Australia, Tas.** 27-29 Sept. **1995**.
63. **Hero**, J.-M. and S. Fickling. The influence of fish predation on the distribution and abundance of "declining" frogs (*Litoria nannotis*, *L. rheocola* and *Nyctimystes dayi*) in the Tully Gorge. The 23 rd Meeting of the **Australian Society of Herpetologists. Laurel Hill, N.S.W.** 9-12 Feb. **1995**.
64. Retallick, R. W. R. Population dynamics and life history patterns of the Eungella Torrent Frog (*Taudactylus eungellensis*) Liem and Hosmer (Anura: Myobatrachidae). The 23 rd Meeting of the **Australian Society of Herpetologists. Laurel Hill, N.S.W.** 9-12 Feb. **1995**.
65. Thomas, A. and J.-M. **Hero**. 1994. Frog Surveying Toolkit for North Queensland. **CONSTAQ** (The Conference of the Science Teachers' Association of Queensland) Townsville, September 19-21, **1994**.
66. **Hero**, J.-M. and W. E. Magnusson. *Bufo marinus* and community ecology in Australia and South America. **Second World Congress of Herpetology. Adelaide, Dec. 1993**.
67. Evans, M., C.A. Ramos, C. Yaber, W. Seabrook and J.-M. **Hero**. Physico-chemical characteristics of breeding sites of *Bufo marinus*.. **Second World Congress of Herpetology. Adelaide, Dec. 1993**.
68. Church, A., G. Codina and J.-M. **Hero**. Keelback snake, cane toad and native frog interactions in north Queensland. **Second World Congress of Herpetology. Adelaide, Dec. 1993**.
69. **Hero**, J.-M. and N. Hamada. Reproductive ecology of four sympatric species of *Phyllomedusa* (Anura, Hylidae) in central Amazonia. **Australian Society of Herpetologists. S.A.** 22/23 Sept. **1990**.
70. **Hero**, J.-M. and N. Hamada. Reproductive ecology of four sympatric species of *Phyllomedusa* (Anura, Hylidae) in central Amazonia. Joint annual meeting; **Soc. Stud. Amph. Rept., Herp. League and Com. Herp. Naci.: New Orleans, USA, 5-9 Aug. 1987 ?**.
71. Magnusson, W.E. and J.-M. **Hero**. Surgery as a technique for discriminating sex in hatchlings. **Crocodile Specialist Group Meeting. Lae, Papua New Guinea.** 19-21 October, **1988**.
72. **Hero**, J.-M. and W. E. Magnusson. Predation and the evolution of terrestrial oviposition behaviour in Amazon rainforest frogs. **Australian Bicentennial Herpetological Conference. Brisbane, 17-20 August, 1988**.
73. **Hero**, J.-M. and W. E. Magnusson. Predation palatability and the distribution of tadpoles in Amazon rainforest. **Australian Bicentennial Herpetological Conference. Brisbane, 17-20 Aug. 1988**.
74. Hamada, N. and J.-M. **Hero**. Ecologia de 3 especies de *Phyllomedusa* (Amphibia-Hylidae): distribucao no tempo e espaço de machos em area de reproducao. **XV Congresso Brasileiro de Zoologia; Curitiba, Brasil.** 31 Jan-5 Feb. **1988**.
75. Galatti, U. and J.-M. **Hero**. The morphologic, acoustic and ecological separation of *Leptodactylus pentadactylus* and *Leptodactylus knudseni*. Joint annual meeting; **Soc. Stud. Amph. Rept., Herp. League and Com. Herp. Naci.: Vera Cruz, Mexico, 9-15 Aug. 1987**.
76. Souza, R.R. and J.-M. **Hero**. Influence of habitat on growth and the distribution of tadpoles. Joint annual meeting; **Soc. Stud. Amph. Rept., Herp. League and Com. Herp. Naci.: Vera Cruz, Mexico, 9-15 Aug. 1987**.
77. Magnusson, W.E. and J.-M. **Hero**. Predation by tadpoles and the evolution of complex oviposition behaviour in anurans. Joint annual meeting; **Soc. Stud. Amph. Rept., Herp. League and Com. Herp. Naci.: Vera Cruz, Mexico, Aug. 1987**.
78. **Hero**, J.-M. Canibalismo: uma hipotese sobre a funcao da bacia de ovos em *Hyla boans*, (Anura, Hylidae). **XIV Congresso Brasileiro de Zoologia; Juiz de Fora, Brasil.** 1-6 Feb. **1987**.
79. Van Sluys, M., C.B.A. Ramos, J.-M. **Hero** and W.E. Magnusson. Efeito do movimento na sobrevivencia de girinos. **XIV Congresso Brasileiro de Zoologia; Juiz de Fora, Brasil.** 1-6 Feb. **1987**.
80. Hamada, N. and J.-M. **Hero**. Reproducao e dinamica espacial de tres especies simpaticas de *Phyllomedusa* (Hylidae, Amphibia). **XIII Congresso Brasileiro de Zoologia; Cuiaba, Mato Grosso, Brasil.** Feb. **1986**.

## TEACHING EXPERIENCE

1997- 2007. School of Environment, Griffith University Gold Coast.

Years taught	Course	Code	Responsibilities
1997 -2003	Botany & Zoology	1604	Convenor, teaching 60 %
2004 - present	Botany & Zoology	1604	Teaching 15 %
2000 - present	Ecology	2603	Teaching 30%
1997 - 1999	Ecology	2603	Convenor, teaching 60 %
1997	Environmental Monitoring Techniques	2503	Teaching 10 %
1997 &1999	Biological Disturbance Assessment	2605	Teaching 10 %
1997 - present	Conservation Biology	3606	Convenor, teaching 60 %
2003 - present	Vertebrate Biology	3609	Convenor, teaching 100%
2004	Environmental Assessment & Management	3304	Guest Lecturer
1998 -2002	Vertebrate Biology	3609	Teaching 15 %
1999 - 2002	Wildlife Management	3601	Teaching 15 %
1998 - 2002	Field Research Project	3101	Convenor
1998	Field Ecology (Nathan)	?	Teaching 10 %
1998 -2007	Experimental Design & Statistics	6109	Convenor, teaching 100 %

### Teaching Experience Prior to Griffith Appointment:

Lecturer B (16 % Fractional Appointment): Department of Zoology, James Cook University. Teaching

Activities include: Lecturing in: Australian Vertebrate Fauna; Wildlife Ecology and Wildlife Techniques (3rd year zoology courses). **January 1993 - 1996.**

Demonstrator: Environmental Biology Labs, Griffith University. **1989.**

Chairperson: Brisbane Ecology Get-together Seminars. **1989.**

Chairperson: Griffith University Ecology Discussion Group. **1988**

Demonstrator: Environmental Biology Labs, Griffith University. **1988.**

Demonstrator: Field Ecology, National Institute for Amazon Research. **1986 & 1987.**

### International Teaching Appointments:

2003. Invited by the Fijian Institute of Applied Sciences and the University of South Pacific to teach a 2 week intensive course "Experimental Design & Statistics" in Fiji in November 2003.

2002. Visiting Professor in the Department of Integrative Biology, University of California - Berkeley campus, USA, (March-May 2002). Invited to teach the postgraduate subject entitled Experimental Design & Statistics (IB 291-3, Spring 2002).

## POSTGRADUATE STUDENT SUPERVISION

### Completed GU Certificate in RHD Supervision in February 2005.

#### PhD Student Supervision:

1. Subhashni Appanna: Principal Supervisor (co-supervised by Dr G. Castley). *SITES: Sustainability Indicators for Terrestrial Ecosystems*. February 2007 – present.
2. Danial Stratford (co-supervised by Dr G. Castley). *Predicting and Measuring the impacts of climate change on frogs in Karawatha Forest*. February 2007 – present.
3. Ross Sadler: Principal Supervisor (co-supervised by Dr G. Castley). Griffith University Gold Coast: (full-time). *A synopsis of the endemic Scincid lizards of New Caledonia*. May 2006 – present.
4. Abraham Mijares-Urrutia: Principal Supervisor (co-supervised by Dr J. Hughes). *Conservation Genetics of the Acid Frogs and sister species from the Wallum habitats of mid-eastern Australia*. Griffith University Gold Coast: (full-time) March 2005 –
5. Chris Gregory: Principal Supervisor (co-supervised by Dr S. Phillips). *The Morphological, Genetic, and Ecological Correlates of Distribution within the Genus Pseudonaja (Serpentes: Elapidae)*. Griffith University Gold Coast: (full-time) March 2005 –
6. Ulrike Bauer: Principal Supervisor (co-supervised by Dr Jochen Mueller; National Institute for Ecotoxicology). *Investigations into the effects of herbicides on amphibians in Australia*. Griffith University Gold Coast: (full-time) March 2004 –
7. Tania Fuessel: *Fireant ecology*. Associate Supervisor (with Dr C. Wild). Griffith University Gold Coast: (full-time) January 2002 – present.
8. Damian White: Principal Supervisor. *The Effect of Habitat Isolation & Fragmentation on Fauna Diversity*. Griffith University Gold Coast. June 2000 – present.
9. Brian Zancola: Associate Supervisor. *Animal mediated allelopathy by native rainforest trees*. Griffith University Gold Coast: (full-time) June 1997 – 2002, continuing .
10. Kerry **Kruger**. Principal Supervisor. *The Ecology of chytridiomycosis eastern Australia*. Griffith University Gold Coast: (full-time) November 2003 - **Completed 2006**.
11. Simon **Hodgkison**: Principal Supervisor. *Ecological evaluation of Golf courses*. Griffith University Gold Coast: (full-time) March 2001 – submitted in 2005. **Completed 2006**.
12. Luke **Shoo**: Principal Supervisor. *Predicting and detecting the impacts of climate change on montane fauna in Australian tropical rainforests*. Griffith University Gold Coast: (full-time) March 2000- **Completed 2005**.
13. Naomi **Doak**. Principal Supervisor (co-supervised by Dr J. Hughes) *Phylogeography, Dispersal and movement of Fleay's Barred Frog, Mixophyes fleayi*. Griffith University Gold Coast: (full-time) April 2000 – **Completed 2005**.
14. Karen Rudkin. Associate Supervisor. *An assessment of fish reserves in Moreton Bay*. Griffith University Gold Coast: (full-time 2002–2003), & resumed Part-time in 2005, withdrew Nov. 2005.
15. Carisa Larson: Principal Supervisor (co-supervised Prof J. Hughes) *Phylogenetic genetics of Pseudophryne species in south-east Queensland*. G. U.: (full-time) Nov. 2002, withdrew Nov. 2003.
16. Donna **Hazel**: Associate-supervisor (with Dr D. Lindenmeyer). *Amphibians in Modified Landscapes*. The Australian National University, Canberra. 1999 – **Completed: 2002**.
17. Clare **Morrison**. Principal Supervisor: *Influence of altitude on the population and reproductive ecology of amphibians*. Griffith University Gold Coast 1997 – **Completed 2001**.
18. Richard **Retallick**: *Community Ecology of Eungella Rainforest Frogs*. James Cook University: March 1994 – **Completed: March 2001**. Principal Supervisor (co-supervised by Dr R. Alford).
19. Martin **Cohen**: "*Ecology of colonising and established populations of Bufo marinus in north-eastern Australia*". James Cook University: June 1994 – **Completed: December 1995**. Principal Supervisor (co-supervised by Dr J Seymour and Dr R. Alford).

## POSTGRADUATE STUDENT SUPERVISION *continued*

### MSc Students:

1. Lovemore **Mazibuko**: *Strategies on conservation, management and sustainable utilization of the herpetofauna of Mughese, Ntchisi, and Tsamba Forest Reserves*. External co-supervisor with Dr. John K. E. Mfunu, University of Malawi. November 2002, **Completed 2007**.
2. Simon **Hodgkison**. *Behavioural and feeding ecology of *Litoria nannotis**. James Cook University: (part-time) March 1996 – **Completed 1998**.

## UNDERGRADUATE STUDENT SUPERVISION

### Honours Students:

1. Saara Kampmann **2007- 2008**. Association between Reptile Species Composition, Vegetation Structure, Topography and Fire History of Karawatha Forest.
2. Sarah Butler **2007**. Association between Mesoscale Tree Species Composition, Density and Size Class Distribution, and the Soil Characteristics, Topography and Fire History of Karawatha.
3. Sonja Wapstra. **2004 – 2005**. Prevalence of chytrid disease in population of Giant Barred-frogs (*Mixophyes iteratus*) along the Coomera River. Continuing, part-time. - Awarded First Class.
4. Nicholas Murray **2004 – 2005**. Diurnal movements, habitat use and foraging ecology of Australian White Ibis on the Gold Coast: implications for management. (Co-supervised with Dr Darryl Jones). Continuing, part-time. - Awarded First Class.
5. Luke Grainger **2005**. Factors influencing the reproductive success of *Litoria olongburensis* at Gold Coast Airport, 2004. part-time 2004-2005. - Awarded First Class.
6. Selena Inglis **2004**. Spatial ecology of acid frogs in the Beerwah region. *Postponed* - on maternity leave, Withdrew 2005.
7. Marama Hopkins **2003**. Spatial ecology of the acid frogs (*Crinia tinnula* and *L. olongburensis*) on the Gold Coast Airport. Griffith University – Awarded 2A.
8. Samantha Ward **2003**. Reproductive Phenology, Environmental Influences and Population dynamics of *Mixophyes iteratus* in southeast Queensland. Griffith University – Awarded 2A.
9. Karen Rudkin **2001**. A preliminary assessment of two north Queensland estuaries containing "no-take" fish reserves: quantifying the variability in relative abundance and length of distribution of target species. Griffith University - Awarded First Class.
10. Melody Stoneham **2001** Larval ecology of *Mixophyes* species in South-eastern Qld. Griffith University - Awarded First Class.
11. Amy Koch **2000** Movement and Population Dynamics of a *Mixophyes iteratus* population. Griffith University - Awarded First Class.
12. Brent Dadds **2000** Population Ecology and Habitat Use of the RARE Green-thighed Frog (*Litoria brevipalmata*). Griffith University - Awarded First Class.
13. Katie Neilson **2000** Survey and monitoring the impacts of sand-mining on frogs (Co-supervised with Dr Grant Wardell Johnson as principal supervisor). Griffith University - Awarded 2A.
14. Luke Shoo **1999** Habitat and microhabitat preferences of *Mixophyes* species in South-eastern Queensland. Griffith University - Awarded First Class.
15. Craig Streatfeild **1999** Home range, movement and refugia of *Mixophyes* species in South-eastern Queensland. Griffith University - Awarded First Class.
16. Cathy Oke **1996** Population genetics of *Taudactylus eungellensis*. La Trobe University, Melbourne (Co-supervisor with Prof. Ross Crozzier). Awarded First Class.
17. Bill Smith **1996** Acoustic ecology of *Litoria xanthomera*. James Cook University - Awarded First Class.

## UNDERGRADUATE STUDENT SUPERVISION *continued*

18. Jeff Richardson **1996** How habitat heterogeneity and patch size affect the relationship between species diversity and richness. James Cook University - Awarded 2A.
19. Yvette Buffett **1995** Larval ecology of savanna woodland tadpoles in the Townsville Region. James Cook University - Awarded First Class.
20. Sheree Fickling **1995** Factors affecting the local distribution of frogs in the Tully Gorge. James Cook University - Awarded 2A.

### Post Graduate Diploma Students:

1. Simon Hodgkison: Behavioural and feeding ecology of *Litoria nannotis*.  
James Cook University: March 1995 - March 1996.
2. Lisa Warrell: Relationships between fecundity and the ecological characteristics of amphibians. James Cook University: March 1996 - March 1997.

### Undergraduate Research Project Students

(GU-GC: EAS 3102 Field Research Project; JA13F01 Project; JA24005 Approved Topic in Biology:):

1. Kate Leopold-Wooldridge: Semester 2, 2006. Spatial distribution and relative abundance of the endangered Giant Barred Frog *Myxophyes iteratus*.
2. Jenny Engstrom: Semester I 2000. History of the Kombumerri Tribe - Traditional Landowners of the Gold Coast.
3. Anita Petzler: Semester III 1999. Influence of fragmentation and disturbance on Brisbane Frogs.
4. Shane Molony: Semester III 1999. Influence of fragmentation and disturbance on Water Dragons.
5. Grant Millar: Semester III 1999. Influence of fragmentation and disturbance on Brisbane Frogs.
6. Paul J. Lutz: Semester III 1998. Diversity and species richness of vertebrate leaf litter organisms in different forest types.
7. Brock Humphris: Semester III 1998 Diversity and species richness of invertebrate leaf litter organisms in different forest types.
8. Emma Blackford: Semester III 1998. Movement and Home Range of *Mixophyes iteratus* & *M. fasciolatus*.
9. Luke Shoo: Sem. II, 1998. Do the aposematic tadpoles of *Bufo marinus* change colour in response to variations in light and background ?
10. Nicole Thyer: The distribution and relative abundance of amphibians found in aquatic habitats of Nerang State Forest. Sem. II, 1997
11. Melinda Laidlaw: The distribution and relative abundance of amphibians found in aquatic habitats of Ashtonville State Forest. Sem. II, 1997
12. Michelle Murdoch: Influence of Groundsel cover on reptile community structure at Griffith University Gold Coast. Sem. II, 1997
13. Eri Takahashi: Environmental constraints on life history characteristics of ectotherms. Sem. I, 1997.
14. Craig Streatfeild: An update on southeast Queensland frogs: the diversity and distribution of rainforest frogs in the Conondale Ranges and Lamington National Park. Field research Project, Sem. III 1997.

## ADMINISTRATIVE & COMMITTEE WORK 1997 - PRESENT

### University Administrative & Committee work

Deputy Director	Centre for Innovative Conservation Strategies	August 2006- present
Acting Director	Centre for Innovative Conservation Strategies	January - June 2007
School Representative	GU Animal Ethics Committee	2004– present
School Representative	GU Industry Mentoring Program Launches	2004– present
Acting Head of School	School of Environmental & Applied Sciences	As required till 2006
Committee Member	GU Site Planning Committee	1999 – 2004
Committee Member	GU Faculty of ENS Staff Committee (co-opted)	3 Sept. 2001
Acting Head of School	School of Environmental & Applied Sciences	December 2004
Acting Head of School	School of Environmental & Applied Sciences	January 2003
Committee Member	School Committee, EAS	1997- 2001
Committee Member	School Sub-assessment Panel (SEAS)	1997– 2003
Chair	School Research and Postgraduate Subcommittee (SEAS)	1998– 2003
Chair	School Seminar Series (SEAS)	1999
School Representative	Library Advisory Group	1999
Acting Head of School	School of Environmental & Applied Sciences	January 1999
Acting Head of School	School of Environmental & Applied Sciences	Sept 28 – Oct.1, 1999
Acting Head of School	School of Environmental & Applied Sciences	December, 2004

### University Administrative Teaching Service

Course Convenor	ENV named Degree: BSC (Ecology and Conservation)	2007 –present
Committee Member	ENV Postgrad Coursework Review Program Development Team	2007 –present
Subject Convenor	EAS 3107 Vertebrate Biology	2003 –present
Subject Convenor	ASC 6109 Experimental Design & Statistics	1999 –present
Subject Convenor	EAS 3606 Conservation Biology	1997 –present
Course Convenor	EAS Major in Wildlife Biology	1998 –2006
Subject Convenor	ASC 2603 Ecology	1999 –2000.
Subject Convenor	ASC 3102 Field Research Project	1998 –2002
Deputy Convenor	EAS Honours Program	1998 –2001
Subject Convenor	ASC 6108 Introduction to Research	1999
Subject Convenor	ASC 1602 Botany & Zoology	1997 –2002

### **Internal University Service**

Host to Distinguished Guest	Captain Paul Watson, Sea Shepherd Society	Mar. 2007
Host to Distinguished Guest	Dr W. E. Magnusson National Institute for Amazon Research, Brasil	Jan. 2007
Host to Distinguished Guest	Dr Bill Laurance. Smithsonian Research Institute, Panama.	Dec. 2005
Host to Distinguished Guest	Dr Monique Van Sluys, University of rio de Janeiro, Brasil	Aug. 2005- Sept. 2006
Public Lecture	Griffith University Discovery Lecture Series	Aug. 2006
Academic representative	Griffith University Graduation Ceremonies	annually
Host to Distinguished Guest	Dr Bill Laurance. Smithsonian Research Institute, Panama.	Oct. 2004
Host to Distinguished Guest	Dr D. Skelly. School Seminar. Yale University USA	Feb. 2004
Host to Distinguished Guest	Dr S.Williams. School Seminar. James Cook University	Apr. 2003
Host to Distinguished Guest	Dr W. E. Magnusson & Dr A. Lima, National Institute for Amazon Research, Brasil	Jan. 2003
Host to Delegates	Academic Delegation from Argentina, South America	Aug. 2001
Host to Delegates	Academic Delegation from South America	2001
Host to Distinguished Guest	Academic Delegation from Zhongshan University, China	1999
Seminar Presentation	School Seminar Series	Nov. 1999
Examiner	Site Planning Committee/ School of Engineering Seminar	Oct. 1999
Host to Distinguished Guest	Dr Shahid Naeem. University of Washington. USA	Oct. 1999
Academic Representative	ENS Postgraduate Ecology Symposium	Oct. 1999
Site inspection	Science II Building under construction	27 Sept. 1999
Site inspection	Science II Building under construction. Gold Coast manager	20 Sept. 1999
Invited Member	Site planning committee meeting	17 Sept. 1999
Academic Representative	Postgraduate Ecology Symposium	15 Aug. 1998

## COMMUNITY SERVICE

### National Professional Services External to Griffith University 1997 – present

Committee Member	Biodiversity Extinction Crisis Conference Sydney July 2007	2007
Expert Advisor	Qld EPA, Fauna Conservation Management Profiles	2007
Expert Advisor	Brisbane City Council, Aquatic Fauna Expert Panel for assessing Brisbane's Waterways	2007
Guest Speaker	Qld Environmental Protection Agency, QPWS Seminar Series	Feb. 2007
Expert Advisor	SEQ Biodiversity Planning Assessment: expert fauna panel -	Aug. 2006
Guest Speaker	Qld Environmental Protection Agency, QPWS Seminar Series	Feb. 2006
Academic supervisor	Siemens Science School, presented ecology, practical lab sessions.	2000 - 2004
Expert Advisor	Brisbane City Council, Expert Panel for the Assessment of Species of high conservation priority.	2003-2004
Expert Advisor	Baw Baw Frog conservation. Invited to a 1 day meeting in Melbourne by the Australian Wilderness Society and the Southern Alliance.	Nov. 2004
Guest Speaker School Representative	Qld Environmental Protection Agency, QPWS Seminar Series Gold Coast Region Environmental Industry Association (GREIA)	Oct. 2004 2003-2004
Guest Speaker	Gold Coast high schools BBQ Gold Coast Airport	Oct. 2003
Editor	Australian Society of Herpetologists.	1999 - 2003
WebMaster	Australian Society of Herpetologists.	2000 - present
Expert Advisor	IUCN Global Amphibian Assessment, Australian coordinator.	2000 - present
Expert Advisor	Commonwealth Department of Environment / Qld Department of Environment, Threatened Frog Recovery Team	1997- present
Scientific Advisor	Australian Geographic Magazine	1997- present
Expert Advisor	Queensland Department of Natural Resources and Queensland Environmental Protection Agency	1999- present
Expert Advisor	Brisbane City Council, Expert Panel for the Conservation Assessment of Remnants within Brisbane (4 workshops)	2001
Expert Advisor	Australian Geographic Magazine	1997- present
Expert Advisor	Brisbane City Council: Karawatha Erosion Control Workshop	May 2000
Invited Scientist	Australian Geographic Expedition to White Mountains	Apr. 2000
Expert Advisor	Gold Coast City Council Biodiversity Index Workshop	Mar. 2000
Expert Advisor	Gold Coast City Council Biodiversity Index Workshop II	May 2000
Expert Advisor	Ngerang-Wal Land Council collaborative projects within the Griffith Centre for Coastal Management.	June 1999 - present
Expert Advisor	Sunshine Coast Mosquito Control Committee Meeting	Apr. 1999
Assessor	Southern Cross University, ARC Small Grant Applications	1999
Expert Advisor	Environment Australia, Qld DNR: Response to Disturbance Workshop	Oct. 1997
Invited Scientist	Australian Geographic Expedition to Coongie Lakes	July 1997

**International Professional Services External to Griffith University 1997 – present**

Expert Advisor	IUCN Amphibian Specialist Group	2007 - present
Committee Member	6 World Congress of Herpetology Manaus Amazonas, Brasil, 2008	2008
Symposium Chair	Symposium Amphibians and Climate Change. 6WCH 2008	2007- 2008
International Coordinator	AmphibiaWeb: University of California - Berkeley.	2002 - present
Global Partner	AmphibiaWeb: University of California, Australian Region.	2002 - present
Expert Advisor	Technical Advisory Group for the Cane Toad Eradication Project in Fiji. IUCN Cooperative Islands Initiative	2003 – present.
Instigator	Memorandum of Understanding between Griffith University and the National Institute for Amazon Research, Amazonas, Brasil.	2007
Instigator	Memorandum of Understanding between Griffith University and the University of Wellington, New Zealand.	2007
Invited Speaker	World Congress of Herpetology. South Africa, June.	2005
Conference Director	Inaugural joint meeting of the Australian Society of Herpetologists, The Society for Research on Amphibians and Reptiles of New Zealand, and the Fijian Society of Herpetologists (over 150 delegates, and 100 presentations over 5 days).	Feb. 2005
Expert Advisor	Conservation International. Invited to a 2 day meeting in New Zealand by the IUCN Cooperative Islands Initiative.	Nov. 2004.
Invited Speaker	Yale University.	July 2004
Invited Speaker	Symposium on “Herp conservation in human-dominated landscapes”. Society for Conservation Biology, New York, 2004.	July 2004
Invited Speaker	Conservation International in Washington DC, USA.	July 2004
Guest Lecturer	Invited by the Fijian Institute of Applied Sciences to teach a 2 week intensive course “Experimental Design & Statistics” at the University of the South Pacific, Fiji in November.	2003
Expert Advisor	Conservation International and the University of the South Pacific, 1-week workshop on Cane Toad eradication options for Fiji.	Nov. 2003
Invited Speaker	Symposium on 'Global Amphibian Declines'. Society for Conservation Biology, UK.	2002
Invited Speaker	Symposium on 'Amazonian Biodiversity'. Society for Conservation Biology, Brasil.	2003
Instigator	Memorandum of Understanding between Griffith University and the University of Rio de Janeiro, Brasil	2002
Organiser & Facilitator	IUCN Workshop to assess the conservation status of Australian Frogs. Tasmania,	Feb. 2001

## **Presentations to External Community Organisations 1997 – present**

Invited Speaker	Wildlife Protection Society of Qld	May 2007
Invited Speaker	Karawatha Forest Protection Society	March 2007
Invited Speaker	Twin Towns District Garden Club	Feb. 2007
Invited Speaker	GECKO: Gold Coast and Hinterland Environmental Group	2006
Invited Speaker	Loders Creek Catchment Group	2006
Invited Speaker	Save our Lakes and Heritage (SOLAH)	April 2005
Invited Speaker	O'Reilley's Guesthouse Frog Week	1998-2004
Invited Speaker	Binna Burra Guesthouse Frog-week	2000-2005
Invited Speaker	Mary River Catchment, Frog Forum	Nov. 2004
University representative	Merrimac High School Awards Night	October 2004
School Speaker	Lindisfarne Anglican School	June 2003
Invited Speaker	IUCN: Asia Regional Biodiversity Programme / Sri Lanka Country Office.	24 Dec 2001
Invited Speaker	Official Launch of Gold Coast Airport Kobakai Rejuvenation Project	April 2000
Invited Speaker	Mt Tamborine Natural History Association	18 Feb. 2000
Invited Speaker	RANA Restoring Australian Native Amphibians	1, April 2000
Invited Speaker	DOE Mt Tamborine - Guanaba Gorge Proposal	11, Feb. 2000
Invited Speaker	Queensland Frog Society, Frog ID weekend, Mt Barney	13 Nov. 1999
Invited Speaker	Frog Day, Wildlife Preservation Society	13 Nov. 1999
University representative	Qld Dept. of Environment, QPWS, David Fleay Wildlife Park NatureSearch Launch	4 Nov. 1999
Invited Expert	Coastcare Project in the Carbrook Wetlands	10 Oct. 1999
University Speaker	Helensvale High School	Sept. 1999
Invited Speaker	Brisbane City Council, Karawatha Forest Natural Area Forum	4 Sept. 1999
Library Display	The Southport School	Feb. 1999
Invited Speaker	Hinterland Nature Day (Mt Tamborine).	1 Nov. 1998
Invited Speaker	Frog Expo (Wildlife Preservation Society).	14 Nov. 1998
Invited Speaker	Queensland Museum (Threatened Species Network)	7 Sept. 1998
Invited Speaker	Queensland Reptile & Amphibian Club	7 Dec. 1997
Invited Speaker	Wildlife Preservation Society	26 Sept. 1997
Invited Speaker	Public Forum World Environment Day	5, June 1997
University Speaker	King's Christian College	May 1997

## PROFESSIONAL REFEREES

### RESEARCH

**Dr William Magnusson. Principle Research Scientist.** Departamento de Ecologia - INPA,  
Instituto Nacional de Pesquisas da Amazonia, CP478, Manaus 69000 Amazonas, Brasil.  
Tel. + 55 - 92 - 236 9683 Fax: + 55 - 92 - 642 2118

**Professor Tim Halliday UK**  
The Open University

**Dr Murray. Littlejohn. Principle Fellow.** Department of Zoology, The University of Melbourne,  
Parkville, Victoria 3052 Australia.  
Tel. 03 93 44 62 51 Fax: 03 93 44 79 09

**Dr Stephen E. Williams.** Director of the Centre for Tropical Biodiversity and Climate Change.  
School of Tropical Biology, James Cook University, Townsville, Q4811

**Associate Professor Darryl Jones..** Director, Centre for Innovative Conservation Strategies  
Griffith University, Nathan, Queensland 4111 Australia.  
Tel. 07 - 38 75 74 99 Fax: 07 - 38 75 74 59

### TEACHING & ADMINISTRATION

**Associate Professor Clyde Wild. SEET Dean Academic**  
Griffith University, Gold Coast, Queensland 4222 Australia.  
Tel. 07 - 5552 8669 Fax: 07 - 5552 8067

### TEACHING

**Dr Guy Castley. Lecturer, School of Environment**  
Griffith University, Gold Coast, Queensland 4222 Australia.  
Tel. 07 - 5552 8259 Fax: 07 - 5552 8067