

Dr Gabriel Crowley

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Biographical summary

Gay Crowley is an ecologist with over 30 years' experience in research and extension aimed at improving environmental management. Her research interests span conservation ecology; biogeography; fire and biodiversity management; and Natural Resource Management planning. She has published extensively on the habitat and food requirements of threatened birds. Her current work involves combining legacy datasets with modern analytical techniques to understand the decline and recovery of the Endangered Golden-shouldered Parrot. She is a Vincent Serventy medallist, recognising her services to ornithology. She has been a handling editor for North Queensland Naturalist since 2017. Gay has authored or co-authored over 100 books, reports, plans, chapters, and peer-reviewed publications.

Selected Publications

- Crowley GM and Garnett ST (2023) Distribution and decline of the Golden-shouldered Parrot *Psephotellus chrysopterygius* 1845-1990. *North Queensland Naturalist*. 53: 22-68.
- Crowley GM and Preece ND (2019) Does extreme flooding drive vegetation and faunal composition across the Gulf Plains of northeastern Australia? *Austral Ecology*. 44: 1256-1270.
- Shima AL, Gillieson DS, Crowley GM, Dwyer RG, Berger L (2018) Factors affecting the mortality of Lumholtz's tree-kangaroo (*Dendrolagus lumholtzi*) by vehicle strike. *Wildlife Research* 45: 559-569.
- Crowley GM (2016) Trends in natural resource management in Australia's Monsoonal North: The conservation economy. (The Cairns Institute, James Cook University, Cairns).
- Crowley GM (2016) Trends in natural resource management in Australia's Monsoonal North: The beef industry. (The Cairns Institute, James Cook University, Cairns).
- Garnett ST, Woinarski JCZ, Crowley GM and Kutt AS (2010) Biodiversity conservation in Australian tropical rangelands. Pp. 191-234 in J Du Toit, R Kock and J Deutsch (eds). *Wild Rangelands: Conserving wildlife while maintaining livestock in semi-arid ecosystems*. (Blackwell Scientific: London).
- Crowley GM, Garnett ST and Shephard S (2009) Impact of storm-burns on *Melaleuca viridiflora* invasion of grasslands and grassy woodlands on Cape York Peninsula, Australia. *Austral Ecology*. 34: 196-209.
- Drucker AG, Garnett ST, Luckert MK, Crowley GM and Gobius N (2008) Manager-based valuations of alternative fire management regimes on Cape York Peninsula, Australia. *International Journal of Wildland Fire*. 17: 660-673.
- Crowley GM (2008) Cockatoo Grass *Alloteropsis semialata* as a keystone species in northern Australia. *Northern Territory Naturalist*. 20: 58-63.
- Landsberg J and Crowley, GM (2004) Monitoring rangeland biodiversity: Plants as indicators. *Austral Ecology*. 29: 59-77.
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- Crowley GM and Garnett ST (2001) Growth, seed production and effect of defoliation in an early flowering perennial grass, *Alloteropsis semialata* (Poaceae), on Cape York Peninsula, Australia. *Australian Journal of Botany*. 49: 735-43.
- Crowley GM and Garnett ST (2001) Food value and tree selection by Glossy Black-Cockatoos *Calyptorhynchus lathami*. *Austral Ecology*. 26: 116-126.
- Garnett ST and Crowley GM (2000) *The Action Plan for Australian Birds 2000*. (Environment Australia, Canberra).
- Crowley GM and Garnett ST (1999) Seed of the annual grasses *Schizachyrium* spp. as a food for tropical granivorous birds. *Australian Journal of Ecology*. 24: 208-220.
- Crowley GM and Garnett ST (1998) Vegetation change in the grasslands and grassy woodlands of east-central Cape York Peninsula, Australia. *Pacific Conservation Biology*. 4: 132-48.