

KATIE SAMBROOK

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[@MadAboutMarine](#) | [ResearchGate](#)

PROFILE

- Marine scientist with project management and communications experience across a range of sectors
- PhD submitted June 2021 on the spatial ecology of tropical fishes based around the Tigak Islands, Kavieng, New Ireland Province, Papua New Guinea (submitted June 2021)
- Ability to synthesise complex topics and translate into plain English appropriate for target audience
- Track record in the production of high-quality written and visual material
- Clear communicator with strong listening skills and a supportive, positive attitude leading to the establishment of long-term professional relationships
- Collaborative working style which combines with a good humoured approach to deliver results
- Strong multi-tasking and problem solving skills
- Ability to work well under pressure, prioritise effectively and adapt swiftly to changes

HIGHLIGHTS

- Seven published marine science papers, including a policy paper, one paper currently in review
- 1st place in a video competition for communication of PhD research ([English](#) / [Tok Pisin](#))
- PhD investigated the influence of seascape structure (coral reefs, seagrass, mangroves, macroalgal beds) on the composition and function of tropical fish communities | [Pre-Completion seminar](#)
- Extensive experience synthesising information, including a published paper providing a global synthesis of non-reef habitat use and through work as a Research Assistant on a systematic review
- History of working with, and delivering on behalf of, government bodies in the UK

EXPERIENCE

- Newly appointed Deputy Editor, Australian Marine Sciences Association newsletter (voluntary)
- Research Assistant to Professor Bob Pressey assisting with systematic literature review
- Research Assistant to Associate Professor Alana Grech conducting advanced spatial analysis
- Tutor on Undergraduate Foundation module teaching domestic and international students
- Volunteered on multiple research projects relating to temperate and tropical marine ecosystems
- Project management experience built working for private companies with a global reach
- 4 years of experience in Communications roles including internal communications and media liaison
- 2 years as a Data Provision Officer including project management of two key publications

REFERENCES

- Professor Andrew Hoey | Primary Advisor | ARC Centre of Excellence for Coral Reef | andrew.hoey1@jcu.edu.au | +61 (0) 747 815 979
- Dr Stephanie Duce | Lecturer in Spatial Science | James Cook University | stephanie.duce@jcu.edu.au | +61 (0) 7478 15476

EDUCATION AND QUALIFICATIONS

Doctor of Philosophy (PhD) in Marine Ecology

James Cook University, Townsville, Australia

Submitted June 2021

2016 – present

Recipient of Australian Postgraduate Research Scholarship and ARC Centre of Excellence for Coral Reef Studies Top-Up Scholarship

- Thesis title: Beyond the reef: the influence of seascape structure on the composition and function of tropical fish communities
Advisors: Professor Andrew Hoey, Dr Mary Bonin, Professor Serge Andréfouët, Professor Graeme Cumming, Dr Stephanie Duce

MSc Marine Biology & Ecology

James Cook University, Townsville, Australia

GPA 7 | High Distinction

Feb 2014 – Jul 2015

Recipient of Australian Government Endeavour Postgraduate (Masters) Scholarship

- Special Topic: Differential disturbance and recovery patterns of coral communities impacted by Cyclone Yasi in the Palm Islands Group, Great Barrier Reef
Supervisors: Professor Bette Willis, Dr Greg Torda
- Minor Project: Life on the edge: Fish assemblages and benthic composition across a coral reef-sand gradient
Supervisors: Professor Geoff Jones, Dr Mary Bonin

BSc Marine Biology & Zoology

Bangor University, Wales, UK

First Class Honours

Oct 2011 – May 2013

- Dissertation: Effects of non-native benthic ecosystem engineers on the biodiversity of coastal waters
Supervisors: Professor Stuart Jenkins, Professor Chris Richardson

Foundation Degree in Marine Science

Falmouth Marine School, Falmouth, Cornwall, UK

High Distinction

Sep 2009 – Jun 2011

- Dissertation: Mapping and monitoring maerl in the Fal & Helford Special Area of Conservation: a review of techniques
- Initiated contact with the Falmouth Harbour Commissioners (FHC) which led to the establishment of the Falmouth Habitats Project, a joint FHC/Cornwall College collaboration sponsoring students to carry out projects relating to the Fal Estuary

Other qualifications

- PADI Dive Master | First Aid, CPR & O2 training | QLD Recreational Boat License | Marine Radio Operator's Licence
- PRINCE2 Foundation (Project Management)
- Aboriginal and Torres Strait Islander Cultural Competence Training
- Languages (proficient but not fluent) | Spanish | French | Tok Pisin

EXPERIENCE

- Volunteer, Deputy Editor**, Australian Marine Sciences Association (AMSA) 2021
Joined a newly created team charged with improving and modernising the AMSA newsletter
- Research Assistant to Distinguished Professor Bob Pressey** (part-time) Jan 2018 – present
Spatial and statistical analyses for comprehensive review on the placement and effectiveness of the Queensland terrestrial protected area system. Assisting with a major systematic review on protected areas; scanning >3,000 papers to identify relevant material
- Research Assistant to Associate Professor Alana Grech** (short contract) May 2020 – Jul 2020
Conducted advanced spatial analysis for project examining coastal development, sea level rise, and seagrass distribution along the Great Barrier Reef (GBR) using Geographic Information Systems (GIS)
- Research Worker**, James Cook University (short contract) Sep 2019 – Nov 2019
Laboratory work sorting sediment samples, classifying infauna organisms into taxonomic groups and preparing samples of preserved specimens for stable isotope analysis
- Tutor**, James Cook University (short contract) Feb 2019 – Jul 2019
Tutor on Undergraduate Foundation module 'Environmental Processes and Global Change'; 3 classes per week, 60 students per class, explaining complex processes and teaching survey techniques
- Student member** of JCU Student Services & Amenities Fee (SSAF) Committee 2019 – 2020
Involved in organising & promoting events and writing retreats for 'Higher Degree by Research' students
- Fish surveyor**, Elizabeth & Middleton Reefs (short-term Government contract) Feb 2018 – Mar 2018
- Volunteer**, James Cook University Nov 2014 - Nov 2015
- Coral spawning and sperm collection for sequencing in collaboration with the GBR Foundation
 - Assisted Dr Mary Bonin with research project on habitat fragmentation and loss in Papua New Guinea
 - Tested a novel GIS/GPS mapping technique for coral reefs around Orpheus Island with Dr Greg Torda
 - Coral spawning and sperm collection on Orpheus Island with Professor Bette Willis
- Volunteer**, Australian Institute of Marine Science (AIMS) Jan 2015 – Oct 2015
- Worked on project examining genetic constraints on coral evolution
 - AIMS research cruise to assist with annual coral disease surveys in the central Great Barrier Reef
- Research Officer**, Bangor University, Wales, UK (short contract) Jul 2013 – Feb 2014
- Worked with the Welsh Government and Countryside Council for Wales to set up a project to trial an early warning system for the detection of non-native species in Welsh coastal waters
 - Involved working with marina operators, fishers and aquaculture farmers, digesting and synthesising multiple EU policy & legislative documents and being lead author on report to the Welsh government
- Volunteer**, Bangor University, Wales, UK Oct 2011 – May 2013
Research into | the effects of shore crabs on littorinid grazing | climate change effects on model alga-grazer system | deep-sea shark pore mapping | environmental controls of fecundity in barnacles
- PADI Dive Master**, TwoThirdsBlue, UK (part-time) Aug 2010 – Aug 2011
Sales Assistant for the dive shop, lead guided dives and assisted Dive Instructors with student training
- Student Ambassador & Student Mentor**, Cornwall College, UK (part-time) Aug 2010 – Jun 2011

Katie Sambrook CV

- Project Manager**, Vodafone UK (short contract, self-employed) Jul 2009 – Sep 2009
Leading final stage of software testing prior to national rollout
- Volunteer**, Coral Cay Conservation, Southern Leyte, Philippines Dec 2008 – Mar 2009
- Project Planner & Resource Specialist**, Vodafone UK (self-employed) 2007 – 2008
Project management including design and development of new processes and data collection methods
- PMO Analyst and Programme Planner**, CapGemini, UK (self-employed) 2005 – 2007
Produced weekly consolidated programme plan and milestone visuals for issue to a government agency
- Store Manager**, The Farm Deli, UK 2004 – 2005
Managed a farm shop and delicatessen
- Internal Communication Officer**, Groundwork, UK 2002 – 2004
Editor for internal newsletters co-ordinating articles from 49 Trusts and Head Office
- Press & Communications Officer**, Universities & Colleges Admissions, UK 2000 – 2002
Wrote news releases and monthly media reports, responded to media enquiries
- Data Provision Officer**, Higher Education Statistics Agency, UK 1998 – 2000
Provided data on higher education to the public, universities and government; project manager for two key publications – ‘Students in Higher Education Institutions’ and ‘Higher Education Statistics for the UK’

PUBLICATIONS

- **Sambrook K**, Andréfouët S, Aston EA, Bonin MC, Cumming GS, Duce S, Sievers KT, Hoey AS (in review) Relative importance of seascape versus within-habitat variables on the distribution of fishes in tropical seagrass beds. *Estuarine, Coastal and Shelf Science*
- Jones GP, Barone G, **Sambrook K**, Bonin MC (2020) Isolation promotes abundance and species richness of fishes recruiting to coral reef patches. *Marine Biology* 167: 1-13
- **Sambrook K**, Bonin MC, Bradley M, Cumming GS, Duce S, Andréfouët S, Hoey AS (2020) Broadening our horizons: seascape use by coral reef-associated fishes in Kavieng, Papua New Guinea, is common and diverse. *Coral Reefs* 39: 1187-1197
- **Sambrook K**, Hoey AS, Andréfouët S, Cumming GS, Duce S, Bonin MC (2019) Beyond the reef: the widespread use of non-reef habitats by coral reef fishes. *Fish and Fisheries* 20: 903-920
- Torda G, **Sambrook K***, Cross P, Sato Y, Bourne D, Lukoschek V, Hill T, Torras Jorda G, Moya A, Willis BL (2018) Decadal erosion of coral assemblages by multiple disturbances in the Palm Islands, central Great Barrier Reef. *Nature Scientific Reports* 8: 11885 *shared first authorship
- **Sambrook K**, Jones GP, Bonin MC (2016) Life on the edge: coral reef fishes exhibit strong responses to a habitat boundary. *Marine Ecology Progress Series* 561: 203-215
- Roche RC, Monnington JM, Newstead RG, **Sambrook K**, Griffith K, Holt RH, Jenkins SR (2014) Recreational vessels as a vector for marine non-natives: developing biosecurity measures and managing risk through an in-water encapsulation system. *Hydrobiologia* 750: 187-199
- **Sambrook K**, Holt RH, Sharp R, Griffith K, Roche RC, Newstead RG, Jenkins SR (2014) Capacity, capability and cross-border challenges associated with marine eradication programmes in Europe: The attempted eradication of an invasive non-native ascidian, *Didemnum vexillum* in Wales, United Kingdom. *Marine Policy* 48: 51-58