

Eryn Hooper

Personal Summary

A highly motivated environmental scientist with a particular interest in resource management and sustainability. A keen interest in translating science to the public so it can be used to inform local management decisions. Competent at using a range of scientific monitoring methods and analysis protocols. Confident communicator with extensive international experience delivering community science education and awareness programs.

Selected Employment History

- April 2017– July 2018** **Environmental Scientist, OceansWatch, Whangarei, New Zealand**
- Project manager for the 2017 and 2018 OceansWatch Expeditions to Vanuatu. Responsible for managing funding applications, budgets, project delivery (sustainable livelihood programs and marine conservation programs), reporting, recruiting and managing the team.
 - Evaluating habitat and species needs to develop short and long term management aims and objectives
 - Mapping habitat and marine protected areas
 - Working closely with stake holders to implement marine protected area policies and organise community monitoring and community engagement activities
 - Writing project reports for stakeholders
 - Contractor for the marine team RESCCUE project, Vanuatu
- September 2016 – Present** **Freelance Marine Education Program Leader, New Zealand**
- Coordinating and delivering Experiencing Marine Reserves community guided snorkel days and school and community marine monitoring days
 - Working with local providers to deliver marine ecosystem education and coastal surveys in line with the New Zealand Marine Metre Squared program with primary and secondary school students. Developing protocols to measure micro plastic levels with school children
 - Working closely with the Mountains to Sea Conservation Trust to develop a schools monitoring program for the Reotahi Marine Protected Area
- May and August 2016** **Freelance Environmental Scientist, Vanuatu**
- Working on the RESCCUE project, Secretariat of the Pacific Communities (SPC) coordinated climate change project
- Designing a new marine monitoring protocol for use in Pacific Islands Coastal Communities
 - GPS mapping of marine protected areas
 - Workshop facilitator, presenting information and leading group activities
 - Designing and carrying out community engagement questionnaires
 - Carrying out benthic surveys by SCUBA and snorkel
 - Contributing to and editing project reports
 - Providing project updates through social media and international conferences
- June – December 2015** **Environmental Scientist. OceansWatch in Vanuatu and the Solomon Islands**
- Project manager for the 7 month marine program, designing the project plan taking into account tight budgets, volunteer availability and challenging logistic issues to carry out marine conservation programs and sustainable livelihood projects
 - Liaising with Vanuatu Department of Fisheries and locals in remote villages to help set up Community Conservation Areas.
 - Carrying out benthic surveys by SCUBA and snorkel
 - Mapping marine conservation area boundaries
 - Drafting management plans for the newly established protected areas

August 2013-
February 2014

Research Assistant. Marine institute, Plymouth University, UK

- Provided project support, analysing video footage of benthic flora and fauna by identifying species and habitat types using the Joint Nature Conservation Committee habitats classifications. Projects included base line studies for Natural England on candidate sites for marine protected areas as well as a more long term project in the Lyme Bay fisheries and conservation reserve.
- Collected water samples using conductivity, temperature and depth measuring equipment on board a research vessel for a proposed mussel farm.
- Carried out field work on a research vessel collecting sea bed images of benthic floral and faunal assemblages
- Analysis of underwater images and data entry
- Core sample analysis
- Field work included working on the renewable energy Wave Hub project and on a marine conservation zone at the Lyme Bay fisheries and conservation reserve

June/July 2012

Other work includes employment with

- **Devon County Council, UK**
- **Auckland Council**

Education

2011-2013

University of Nottingham, UK

BSc (Hons) Biology 2nd and 3rd years (**1st Class**) Honours Thesis Title: Final year project title: *Spatiotemporal patterns of marine megafauna distribution in coastal waters off the west coast of Scotland*

2009-2010

University of Oxford, UK

BA Biological Sciences 1st year (**2.1**)

Other qualifications and languages

- PADI Advanced Open Water and BSAC Ocean Diver
- RYA level 1, 2 sailing and seamanship skills, over 4,500 nautical miles on open ocean logged, 100 supervised skipper miles logged
- Red Cross Comprehensive First Aid (valid until 15 Sept 2018)
- Bislama and Pidgin – Fluent, conversational

Other professional development

- UN CC:Learn introductory e-course on Climate Change
- Ecosystem Based Adaptation to climate change across the pacific workshop (1 day workshop) SPREP February 2018
- The Ocean Foundation GOA-ON ocean acidification workshop, Suva, Fiji (1 week workshop) October 2017
 - In collaboration with NIWA, NZ, National Oceanographic Centre, UK National Oceanic and Atmospheric Administration, US
 - Theory and deployment of high precision pH remote sensors to inform a global network of oceanic pH monitoring

IT Skills

- Highly proficient using the **Microsoft Office** package including use of **Access** and **Excel** for research purposes. Outlook, MS Project and Visio for project work and organisation.
- **R** statistical package for analysis of large data sets and **SPSS** statistical package
- Use of accounting software **Xero** and **Excel** for book keeping purposes
- Use of **arcGIS** and **QGIS** for analysing and displaying geographical information
- Project management tools such as **Trello** and **MeisterTask**
- Website design including **Wix**, **WordPress** and **Drupal** and CRM software including **CiviCRM**

Professional reports, academic papers and presentations

Johnson, J.E., **Hooper, E.**, Waterhouse, J., Dwyer, S., Kaltavara, J. (2018) Republic of Vanuatu Chapter. In: Moritz, C., Vii, J., Tamelander, J., Thomassin, A., Anderson, P., Lee Long, W., Planes, S. (Editors) Status and Trends of Coral Reefs of the Pacific. Global Coral Reef Monitoring Network, French Polynesia.

Hooper, E., Johnson, J.E., Welch, D., Edney, G., Waterhouse, J. (2018) Conservation tools: Human centred design in an ecological context. Paper presented at Engineers Without Borders Humanitarian Conference, Auckland, New Zealand

Hooper, E., Johnson, J.E., Welch, D., Edney, G., Waterhouse, J. (2018) Empowering communities to adapt to climate change: Monitoring marine ecosystems using a locally developed method to inform community-based management. Poster presented at the Pacific Oceans Pacific Climate conference, Wellington, New Zealand.

Johnson, J.E., Waterhouse, J., Devlin, M.J., **Hooper, E.** (2016) Marine Ecosystem Assessment: North Efate, Vanuatu. Report to the Pacific Community (SPC), Noumea, New Caledonia, and Agence Francaise de Developpement, Paris, France. Vanuatu RESCCUE project

Hooper, E. (2016) Marine Report: Dolav, Ontar and Qetegaveg, Gaua, Vanuatu OceansWatch, New Zealand.

Sheehan, E.V., Cousens, S.L., Holmes, L.A., Nancollas, S., **Hooper, E.**, Attrill, M.J. (2015) Condition assessment of Thanet Coast Special Area of Conservation. Natural England Commissioned Report NECR165.

Hooper, E., (2015) Marine Report: Buma, Vanikoro, Solomon Islands OceansWatch, New Zealand

Hooper, E. (2013) Spatiotemporal patterns of marine megafauna distribution in coastal waters off the west coast of Scotland. (Honours Thesis) University of Nottingham, UK
