

Robin Beaman: Curriculum Vitae

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Employment and Key Achievements

2009-present Research Fellow, James Cook University, Cairns Australia

- Project leader for the Queensland Coastline Capture Project – Great Barrier Reef, Torres Strait
- Project leader for the validation and update of the Great Barrier Reef Features GIS database
- Project leader for a new high-resolution depth model for the Great Barrier Reef and Coral Sea

2009 Maritime Geospatial Officer-Hydrographic, Royal Australian Naval Reserves, Cairns

- Acquisition and validation of Laser Airborne Depth Sounder (LADS) data in the Great Barrier Reef, Coral Sea and Torres Strait

2005-2008 Postdoctorate/Research Officer, James Cook University, Cairns Australia

- Planned and conducted multibeam, shallow seismic, sidescan, sediment sampling, underwater imagery surveys in tropical Australia, the Southwest Pacific and Antarctica
- Provided seabed surveying and data visualisation training for students and university staff

2002-2003 Reef ecology/marine mammal Lecturer, Society Expeditions, Washington USA

- Presented informative and wide-ranging marine science seminars for the general public
- Conducted safe guiding and small boat driving in remote Pacific and Antarctic waters

2001-2005 PhD student, University of Tasmania, Hobart Australia

- Planned and conducted multibeam, shallow seismic, sidescan, sediment sampling, underwater imagery surveys in tropical and temperate Australia, and in Antarctica

1995-2000 Maritime Geospatial Officer-Hydrographic, Royal Australian Navy

- Planned and conducted multibeam, singlebeam, sidescan surveys in tropical and temperate Australia, and the Southwest Pacific
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Education

- 2005 Doctor of Philosophy (Environmental Studies), University of Tasmania at Hobart Australia
 - 2000 Bachelor of Antarctic Studies (Honours-First Class), University of Tasmania
 - 1993 Bachelor of Science (Geology/Marine Biology), James Cook University at Townsville Australia
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Honours and Awards

- 2014 QSEA J. M. (Mac) Seriser Award for overall excellence in Project 3DGBR
- 2014 QSEA Environment and Sustainability Award for Project 3DGBR
- 2009 Queensland Smart Futures Fellowship Level 2 Award
- 2007 Australian Defence Medal
- 2002 Antarctica Service Medal, United States of America
- 2001-2005 Australian Postgraduate Award, University of Tasmania
- 2000 Defence Force Service Medal with First Clasp
- 1992 Townsville Port Authority Prize in Marine Science, James Cook University
- 1990-1992 Undergraduate Scholarship, Royal Australian Navy

Professional Societies

- Member, American Geophysical Union
- Member, Australian Marine Science Association
- Member, Australian Coral Reef Society
- Member, Australasian Hydrographic Society
- Member, Surveying and Spatial Sciences Institute

Service to Scientific Community

- Developer of the high-resolution depth model for the Great Barrier Reef and Coral Sea
- Reviewer for international scientific journals 2003-present
- Conducted coastal multibeam survey training in Townsville 2006-2011

Community Engagement Activity

- Presenter of regular marine science seminars for local interest groups
- Developer for an educational website featuring ocean mapping research projects
- Advisor on marine issues for environmental advocacy organisations
- Regular speaker on ABC Radio about marine issues and topics

Expedition Experience

- 2017 Multibeam bathymetry mapping of GBR and Coral Sea, RV Sonne, Auckland to Darwin
- 2016 Multibeam bathymetry mapping of GBR and Coral Sea, RV Investigator, Brisbane to Cairns
- 2013 Geographic Limits of GBR Submerged Reefs, RV Southern Surveyor, Broome to Brisbane
- 2012 Great Barrier Reef Phase Shift SST022012, RV Southern Surveyor, Brisbane to Lautoka
- 2011 Turbid Zone Reefs of the GBR JK022011, RV James Kirby, Townsville to Townsville
- 2011 PICASSO-1 uROV Osprey Reef Expedition, MV Coral Emperor, Coral Sea
- 2010 Mesophotic Coral Ecosystems in the Coral Sea CE012010, MV Coral Emperor, Coral Sea
- 2008 Carbon Chemistry of the Great Barrier Reef SS092008, RV Southern Surveyor, Coral Sea
- 2007 Collaborative East Antarctic Marine Census V3, RV Aurora Australis, Antarctica
- 2007 Evolution of Drowned Shelf Edge Reefs, SS072007, RV Southern Surveyor, Coral Sea
- 2007 Great Barrier Reef Shelf Voyage KM0702, RV Kilo Moana, inner Great Barrier Reef
- 2006 Royal Australian Navy Voyage HI427, HMAS Melville, northern Great Barrier Reef
- 2006 Geoscience Australia Voyage SST012006, RV Southern Surveyor, Darwin to Suva
- 2002 Cross-shelf Sediment Transport Voyage 234, RV Franklin, Torres Strait to Gulf of Papua
- 2001 New Zealand Star Bank Voyage 233, HMAS Melville, eastern Bass Strait
- 2001 Coring Holocene Antarctic Ocean Sediments NBP0101, RV Nathaniel B. Palmer, Antarctica

Additional Information

- Experienced with deep- and shallow-water multibeam, and sub-bottom profiler systems

- Experienced with ENVI, ArcGIS, Fledermaus, Caris HIPS/SIPS, QINSy software
- Maritime Geospatial Officer-Hydrographic, Royal Australian Naval Reserves
- SSSI Certified Professional Hydrographic Surveyor Level 1
- Assoc. Diploma of Engineering in Electronic Systems Maintenance
- Commercial Scuba Diver (AS.2815.1), Commonwealth of Australia
- Coxswains Commercial Boat License, Queensland Transport