

Kurt Burgess

Current Position

Project Manager

Profession

Marine Environmental
Consultant

Joined Marine Solutions
2023

Education

2026 - University of Tasmania
Master of Marine and Antarctic
Science

2024 - University of Tasmania
Bachelor of Marine and
Antarctic Science

2021 - University of Tasmania
Undergraduate Certificate in
Antarctic & Climate Science

2014 - St. John's College
Year 12 Certificate

Summary of Experience

Kurt joined the Marine Solutions team in 2023 and is currently completing a Master of Marine and Antarctic Science at the University of Tasmania. He holds a Bachelor of Marine and Antarctic Science and a certificate in Antarctic and Climate Science. His research focuses on the chemical characteristics of water masses off Prydz Bay in East Antarctica, and more broadly the Southern Ocean's role in the drawdown of atmospheric carbon dioxide. Kurt has extensive field experience in coastal marine environments across Tasmania and has managed remote projects in Macquarie Harbour and Bass Strait. His offshore experience includes research and at-sea training aboard the RV Investigator, where he contributed to oceanographic sampling and data collection in the Southern Ocean. He has also contributed to research on species distribution patterns in the Indian subantarctic through volunteer roles supporting the Commission for the Conservation of Antarctic Marine Living Resources, advancing conservation efforts in the region. Kurt holds a Coxswain Grade 1 (NC).



Significant Projects

Macquarie Harbour Oxygenation Project - Managed the planning and delivery of an extensive rhodamine dye plume study to characterise hydrodynamic conditions within Macquarie Harbour and assess the dispersion of oxygenated water.

Bass Strait Dredge Monitoring - Managed offshore water quality monitoring associated with TasPorts' dredging program in Bass Strait. Planned and coordinated monthly maintenance of monitoring buoys, including sonde calibration and servicing.

Macquarie Harbour Ecological BRUV Surveys - Led the planning and execution of Baited Remote Underwater Video (BRUV) surveys to monitor populations of the critically endangered Maugean skate, ensuring consistent and scientifically robust data collection.

TasWater Statewide Ambient Monitoring Program - Manage environmental monitoring programs for wastewater treatment plants as part of Tasmania's Statewide Ambient Monitoring Program. Plan and coordinate fieldwork, oversee data collection, analyse results, and prepare comprehensive reports for submission to the EPA, including impact assessments and recommendations to improve environmental performance.

Professional History

2026 - Tutor, University of Tasmania

- Present
- Facilitate engaging tutorials based on the curriculum established by the unit coordinator
 - Mark assessments and exams using established rubrics, ensuring marks are submitted within designated timeframes

- 2025 - Present **Project Manager, Marine Solutions**
- Demonstrated skills in applied marine environmental research, including the design and implementation of monitoring programs
 - Provision of quality outputs including technical reports, research summaries, and Environmental Impact Assessments for government and industry clients
 - Strong interpersonal and communication skills, with experience building and maintaining productive working relationships with researchers, technical staff, government, industry, and other external stakeholders
- 2023 - 2025 **Project Officer, Marine Solutions**
- Demonstrated skills in vessel operation (<12m), deckhand duties and practical marine field research, with often extended work in remote locations
 - Demonstrated skills in collection, management, analysis, and interpretation of environmental datasets, including but not limited to physicochemical oceanographic datasets
 - Experience operating and calibrating marine environmental sensors and sampling equipment including CTDs, water quality sondes, ADCPs, benthic monitoring equipment, autonomous loggers, ROVs

Offshore Experience

- 2026 **Voyage Participant, RV Investigator, CAPSTAN**
- Selected to represent the University of Tasmania and participate in at-sea training as part of the CAPSTAN program, offering a first-hand understanding of life on a research vessel and providing the opportunity to work at sea within a multidisciplinary science team. Duties onboard included underway sampling and analysis (chlorophyll *a*, eDNA), managing CTD deployments, rosette sample collection and analysis, data management, physical oceanography research project.

Certifications and Licences

	Australian Driver's License (Manual)
	Coxswain Grade 1 (Near Coastal)
	Maritime Security Identification Card (MSIC)
HLTAID011	Provide First Aid
HLTAID015	Provide Advanced Resuscitation and Oxygen Therapy
MARB027	Perform basic servicing and maintenance of main propulsion unit and auxiliary systems
MARC038	Operate main propulsion unit and auxiliary systems
MARC043	Transmit and receive information by marine radio
MARH013	Plan and navigate a passage for a vessel up to 12 metres
MARSS00008	Shipboard Safety Skill Set
SISSS00126	Wilderness First Aid
SFIAQU213	Use Waders Safely in Aquatic Environments

