

Expeditioner Band 3.1 (EL1) – Senior Marine Scientists (Various)

Classification	Expeditioner Band 3.1 (EL1) - \$121,755 per annum
Total Remuneration	\$194,691 per annum (When in Antarctica/sub-Antarctic, inclusive of
Antarctic	Allowances)
Division	Australian Antarctic Division
Branch	Science
Section	Southern Ocean Ecosystems and Management Program
Location	Kingston, Tasmania and Antarctic/sub-Antarctic deployment
Employment Status	Non-Ongoing (temporary)
Hours	Full-time
Security Clearance	Not Required

WHO WE ARE – Australian Antarctic Division (AAD)

The AAD is part of the Commonwealth Department of Climate Change, Energy, the Environment and Water (DCCEEW). As primary agency for Australia's Antarctic Program (AAP), the AAD is responsible for achieving the Australian Government's Antarctic goals to:

- maintain the Antarctic Treaty System and enhance Australia's influence within it
- protect the Antarctic environment
- understand the role of Antarctica in the global climate system
- undertake scientific work of practical, economic and national significance.

THE JOB

Senior Marine Scientists are expected to participate in the *RSV Nuyina* Antarctic Krill and Krill Ecosystem (KaKE) Broadscale Krill Survey voyage in 2027–28, subject to operational requirements. The voyage will contribute to delivering important management and science outcomes to inform the sustainable and ecosystem-based management of the Antarctic krill fishery. The KaKE Broadscale Krill Survey will include krill acoustic and biological transect surveys, mooring deployments and ecosystem monitoring conducted off the Mawson coast.

Senior Marine Scientists may be assigned to one of the following teams below in a leadership capacity. When applying, please specify which team/s you are interested in based on your skills and experience:

- Krill acoustics
- Krill biology
- Passive acoustics

- Predator observers
- Primary production and genetic sampling

The voyage is currently anticipated to be approximately 50 days in duration, departing Hobart, Tasmania, late December 2027 and returning to Albany, Western Australia, early February 2028. Voyage dates and duration are indicative and may change.

These are anticipated to be fixed term positions commencing prior to the voyage. Successful candidates will undertake mandatory predeparture training, preparation and role familiarisation activities in Kingston, Tasmania before joining the voyage and may undertake post-voyage activities following their return. Mandatory training includes a one week Summit expected to be held between October and December 2027.

Successful candidates must be prepared to live and work aboard *RSV Nuyina* in the Southern Ocean for prolonged periods, including working long and irregular hours as operational requirements dictate, while complying with the AAD Fatigue Management Safety Standard.

You should apply if you have the appropriate knowledge, skills and experience, plus an interest in living and working in a small, vessel-based community, in a remote environment. Applicants will be assessed and if successful, may be offered a role for training and deployment, or included in a merit pool that may be used for future seasons. Offers of a role will be subject to operational and workforce requirements.

Key duties may include, but are not limited to:

At AAD Head office, Kingston, Tasmania:

- Preparatory work and training, as indicated above
- Attend voyage planning meetings with science leadership team, as required

On RSV Nuyina

Responsibilities of all Senior Marine Scientists:

- Lead team meetings, task co-ordination and workload management
- Provide team updates and work with science leadership for the delivery of a safe and successful voyage
- Collate and maintain data records including quality control checks during the voyage and contribute to voyage reporting
- Ensure all operational and scientific activities are conducted in accordance with any relevant legislation, operating procedures and WHS requirements
- Support any emergency response as required
- Ensure compliance with environmental approvals, permits and standards
- Participate as an active member of the vessel community, supporting other science teams and contributing to shared operational and community responsibilities

Senior Marine Scientists may play a leading role in one of the following teams, depending on expertise:

- Krill acoustics team
Krill acousticians will contribute to the calibration and operation of acoustic instruments to collect acoustic and other ancillary data to estimate krill biomass in the study area. They may support krill mooring operations involving echosounders.

- **Krill biology team**
Krill biologists will be conducting trawls and operating *RSV Nuyina's* wet well system to collect krill and zooplankton. They will be taking biological measurements of Antarctic krill and running aquaria experiments. They may also be required to support other underway science and mooring operations.
- **Passive acoustics team**
Passive acousticians will coordinate the deployment and monitoring of sonobuoys during the survey and, as required, assist with moored acoustic recorder operations and maintenance of an infrared marine mammal detection system.
- **Predator observer team**
Predator observers will undertake and log visual observations of krill predators (marine mammals and seabirds) throughout the survey and maintain the underway infrared marine mammal detection system.
- **Primary production and genetic sampling**
Marine scientists will support underway seawater sampling for primary production and genetics (eDNA) and coordinate CTD deployments when required. They will also maintain autonomous samplers, such as fluorometers and eDNA autosamplers, and may be required to support other underway science operations.

WHAT WE ARE LOOKING FOR - ESSENTIAL

Required Identification/Qualification/Licence/Ticket	When you need to provide evidence	
	Provide copy with application	obtained prior to job commencement
Tertiary qualification – in a relevant field and/or equivalent qualifications and/or professional experience.	✓	
Citizenship - In accordance with the PS Act 1999, APS employees are required to be Australian citizens. Persons who are not Australian citizens will generally only be considered where there are no suitable Australian applicants, with next considerations being Australian residents with work rights and New Zealand citizens.	✓	
Valid Passport - The expiry date of the passport (and any relevant visa) must be at least 6 months beyond the planned end date of your intended stay in the Antarctic or sub-Antarctic		✓
Provide First Aid (HLTAID011) must be valid for at least 18 months beyond the date of AAD commencement.		✓
Provide Basic Emergency Life Support (HLTAID010) must be valid for at least 18 months beyond the date of AAD commencement.		✓

Provide CPR (HLTAID009) must be valid for at least 6 months beyond the date of AAD commencement		✓
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Knowledge and experience:

- Demonstrated leadership of vessel-based research and scientific operations at sea, including the management of scientific teams, laboratory activities, deck operations or ship-based programs in marine biology, marine acoustics or biological oceanography.
- Extensive scientific or technical expertise relevant to the duties outlined for one or more of the scientific teams.
- Strong interpersonal and collaborative skills, including the ability to work both independently and as part of a small team.
- Demonstrated effectiveness working at sea including the capacity to perform periods of sustained high intensity shift work (e.g. 12 hours on, 12 hours off).
- Physical capacity to undertake manual handling and lifting (greater than 10kg) in relation to shipboard activities.

WHAT WE ARE LOOKING FOR – DESIRABLE

Knowledge and experience:

- Experience at sea with the Australian Antarctic Program or another National Program within the last three years.

ELIGIBILITY AND OTHER REQUIREMENTS

Personal Qualities:

During the recruitment and selection process, the AAD assesses the personal qualities required to successfully live and work in an isolated Antarctic or sub-Antarctic environment. This includes participation in a mandatory overnight assessment centre and other selection activities. Successful candidates need to demonstrate the personal qualities detailed [here](#).

Pre-employment check:

Your suitability for employment will be assessed through pre-employment screening including National Police Check, identity verification, referee checks, pre-employment medical and psychological assessments, specified mandatory qualification(s) validation and completion of required probation period.

Work Health and Safety Obligations:

All employees have a duty to take reasonable care of their own health and safety while at work, to ensure their acts or omissions do not adversely affect the health and safety of other persons in line with any reasonable instruction given to comply with the Work Health and Safety legislation.

HOW TO APPLY

Information about how to apply can be found [here](#), including further information about AAD jobs.