



Australian Government

Assessment Requirements for AHCMAR302 Conduct intertidal marine monitoring

Release: 1

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Modification History

Release	Comments
Release 1	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 6.0.

Performance Evidence

An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.

There must be evidence that the individual has demonstrated intertidal monitoring techniques that include at least two of the following ecological communities:

- mudflat
- intertidal seagrass
- intertidal reef
- mangrove beds
- salt marsh
- rocky shores.

There must also be evidence that the individual has:

- interpreted, confirmed and followed intertidal marine monitoring fieldwork requirements
- conducted a risk assessment
- selected, prepared and operated equipment and resources for intertidal marine monitoring
- identified marine species, and confirmed identification with supervisor or expert
- applied techniques to minimise impact and applied ethical practices during fieldwork
- recorded marine intertidal monitoring data according to workplace procedures and monitoring instructions
- cleaned, maintained and stored marine monitoring equipment
- implemented biosecurity measures and procedures
- checked and stored data
- updated operational and marine species records
- reported outcomes to supervisor
- disposed of waste materials according to environmental and workplace procedures.

Knowledge Evidence

An individual must be able to demonstrate the knowledge required to perform the tasks outlined in the elements and performance criteria of this unit. This includes knowledge of:

- monitoring methodologies for marine intertidal fieldwork
- equipment and resources used for marine intertidal fieldwork, including:
 - cameras
 - tablets
 - identification resources
 - tape measures
 - quadrat frames
- operational parameters of intertidal areas that affect monitoring work, including:
 - tidal cycles and other inundation effects
 - seasonal variation
 - intertidal wildlife behaviour and life cycle
 - dangerous marine animals in the intertidal zone
- using and maintaining equipment in a saltwater environment
- workplace health and safety and risk assessment for tidal marine work
- impact of sediment mobility in the near shore environments on monitoring
- sources of expertise and advice for marine intertidal fieldwork
- minimising impact of monitoring techniques on the environment
- ethical practices for marine intertidal fieldwork
- biosecurity processes for marine intertidal fieldwork
- recording and storing collected data
- cleaning, maintenance and storage of equipment used for intertidal marine monitoring
- disposal of waste materials and impact on the environment.

Assessment Conditions

Assessment of the skills in this unit of competency must take place under the following conditions:

- physical conditions:
 - skills must be demonstrated under conditions specified in the Performance Evidence
- resources, equipment and materials:
 - fieldwork and monitoring equipment
 - specific items of personal protective equipment
- specifications:
 - workplace policies, procedures, processes, records for conducting fieldwork
 - manufacturer operating instructions for monitoring equipment
 - workplace instructions and work plan
 - codes of practice for ethical handling of marine life

- relationships:
 - supervisor.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

Links

Companion Volumes, including Implementation Guides, are available at VETNet: -
<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72>