



**Australian Government**

# **Assessment Requirements for AHCNRM511 Plan and monitor works projects in catchments and waterways**

**Release: 1**

# Assessment Requirements for AHCNRM511 Plan and monitor works projects in catchments and waterways

## 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 planned and monitored at least one catchment and waterways project, and has:

- applied effective consultation techniques to ensure stakeholder contribution to project priorities
- researched and determined environmental conditions of project worksites
- worked with and supported project stakeholders during project implementation
- developed waterway monitoring program that must include:
  - selected representative water quality monitoring sites
  - selected macro invertebrate monitoring sites
  - used data collection guidelines and parameters
  - specified timelines for monitoring
- monitored project to ensure it complied with regulatory requirements
- evaluated impact of projects on sustainable catchment management
- determined the physical and human resources required for project
- determined monitoring procedures sufficient for evaluating and reviewing project
- evaluated environmental benefits of works program using workplace techniques and reporting methods
- completed reporting requirements according to workplace standards and stakeholders outcomes.

## 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:

- physical characteristics and indicators of health of waterways and catchments
- wetland and floodplain processes and function, including:

- factors that influence stream flow
- stream dynamics
- stream formation
- eutrophication
- impacts of land use on waterways
- indicators of catchment health, including:
  - pest plant and animal infestations
  - vegetation decline
  - soil erosion
  - stream bank erosion
  - water quality decline
- water quality parameters, including:
  - physical and chemical properties of water
  - biological indicators of water quality
- project planning processes
- consulting and negotiating with stakeholders, including:
  - investors
  - partners
  - interest groups
  - agencies
- permits and licences required for on-ground works.

## Assessment Conditions

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

- physical conditions:
  - skills must be demonstrated in an environment that accurately represents workplace conditions
- specifications:
  - workplace policies and procedures for monitoring and reporting
  - legislation and regulations for water catchment management
- relationships:
  - stakeholders
  - work team and/or contractors
- timeframes:
  - according to time specified in program for supporting project.

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>