



**Australian Government**

# **Assessment Requirements for AHCSAW303 Construct conservation earthworks**

**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, on at least one occasion, selected equipment and safely constructed earthworks for conservation using plans and specialisations.

There must also be evidence that the individual has:

- identified hazards and implemented controls and safe operating procedures
- prepared for construction according to construction plans and workplace requirements
- carried out planned earthworks with minimal damage to natural areas according to construction works plan and specifications, including:
  - excavation
  - transport
  - dumping
  - compaction of material
- applied finishing techniques to the site
- interpreted maps and plans to identify site construction requirements
- selected and safely used earthmoving equipment suitable for construction, soil properties and terrain
- cleaned, maintained and stored equipment and machinery according to biosecurity and environmental 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:

- erosion and sediment control standards
- soil types and formation and impact on construction works and site access
- principles of conservation earthwork construction and erosion and sediment control, including:

- catchment management and soils
- earthmoving principles
- levels and levelling
- interpreting plans and designs
- natural area protection and rehabilitation principles, including:
  - preservation of topsoil
  - soils and effect on erosion and sediment control
  - recognition and preservation of threatened vegetation
  - basic plant root physiology and construction works
  - root disturbance and compaction
  - disturbance of fauna habitat
- application of legislation and regulations relating to conservation earthwork construction, including:
  - protection of flora and fauna
  - health and safety
  - environmental protection from fuels and oils
  - biosecurity
- safety while working on construction sites, including:
  - proximity to machinery and site personnel
  - impediments to safe machinery operation, including terrain
  - workplace health and safety procedures
  - personal protective equipment
- construction works and sequencing, including:
  - excavation and earthmoving principles
  - transport
  - dumping
  - compaction
  - surface finish
- risk factors, including human health and environmental damage
- environmental and biosecurity impacts and controls for constructing conservation earthworks.

## Assessment Conditions

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

- physical conditions:
  - skills must be demonstrated on at least one conservation site for earthworks, or in an environment that accurately represents workplace conditions
- resources, equipment and materials:
  - machinery and equipment suitable for conservation earthworks

- personal protective equipment
- specifications:
  - workplace documents such as policies, procedures, processes
  - manufacturer operating instructions for equipment and machinery
  - workplace instructions, plans and specifications
- relationships:
  - work team, 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>