



Australian Government

Assessment Requirements for AHCSAW202 Recognise landforms and soil types

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 performed landform and soil surveys on at least two sites with distinctly different landforms and soil conditions, and has recognised the landforms and basic soil type on each site.

There must also be evidence that the individual has:

- implemented safe work procedures relating to landform and soil field survey
- prepared for landform and soil recognition activities
- selected sampling and testing equipment and materials and:
 - conducted basic field tests on rock samples to assist recognition
 - conducted basic field tests on soil samples to assist recognition
- operated sampling and testing equipment according to safe work practices and manufacturer instructions
- recognised the processes affecting the formation and degradation of common landforms and soil types
- recorded results of landform and soil recognition activity according to supervisor instruction and workplace procedures
- cleaned and stored tools and equipment according to 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:

- main geological crustal processes and influences in a region
- main rock types, formation, common mineral content and characteristics for identification, including:
 - sedimentary
 - volcanic

- metamorphic
- field tests to assist in identifying rock types
- main soil types, common mineral content, soil characteristics and basic tests used for identification
- weathering, change and degrading processes relating to landforms and soil from both natural and human causes
- sampling and testing equipment
- landforms common to different geological regions, and the processes for their formation
- basic soil survey techniques and the equipment required
- records required for documenting results for rocks, landforms and soils
- sources of expertise and reference materials required for landforms and soil recognition.

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 the field on at least two sites with different landforms and soil types, or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - sampling and testing equipment
 - personal protective equipment
 - access to expertise and reference materials to assist in recognition of soils and landforms
- specifications:
 - workplace instructions and procedures for sampling rocks and soils
 - manufacturer operating instructions for equipment
- 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>