



Australian Government

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.

Application

This unit of competency describes the skills and knowledge required to recognise commonly encountered landforms and soil, their origins and human and natural influences on their degradation.

The unit applies to individuals who work under general supervision and exercise limited autonomy with some accountability for their own work. They undertake defined activities and work in a structured context.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Nil

Unit Sector

Soil and Water Conservation (SAW)

Elements and Performance Criteria

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Prepare for landform and soil survey	1.1 Identify sources of expertise and references for assisting in landform and soil recognition 1.2 Prepare resources and equipment required for landform and soil survey 1.3 Identify hazards and report to supervisor for controls to implement during field survey work

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	1.4 Follow workplace procedure for landform and soil field survey
2. Identify regional geology	2.1 Identify geological land forms and associated rock types for a local region 2.2 Conduct geological field tests to identify broad rock types and their characteristics 2.3 Recognise historical geological events that created landforms and soils in a local region
3. Recognise specified landforms and soils	3.1 Carry out a visual inspection of landforms and soil on specified site 3.2 Recognise and name outcropping rocks and parent materials by their identifiable characteristics 3.3 Conduct basic field tests to assist in recognising soil types 3.4 Recognise the association between soil type and local geology 3.5 Record description of landforms and soil for a specified site 3.6 Seek expert advice and consult references to confirm recognition of landform and soil type
4. Recognise and record degrading influences on landforms and soil	4.1 Identify natural and human activity that impacts on identified landforms and soil 4.2 Identify degrading processes associated with natural and human activity on specified site 4.3 Recognise impact of current land use of site on landforms and soil 4.4 Record degrading impact from current and projected future activity on landforms and soil according to workplace procedures

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential for performance in this unit of competency but are not explicit in the performance criteria.

Skill	Description
Reading	<ul style="list-style-type: none"> Interpret reference materials to identify characteristics and assist in the recognition of landforms, rock types and soils

Skill	Description
Oral Communication	<ul style="list-style-type: none">Use clear language, vocabulary, tone and pace appropriate for the audience to discuss and confirm recognition of soils and landforms with experts

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
AHCSAW202 Recognise landforms and soil types	Not applicable	The unit has been created to address a skill or task required by industry that is not covered by an existing unit	Newly created

Links

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