

Modification history

Release	Comments
Release 1	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 5.0.

AHCSAW2XX	Recognise Landforms and Soil
Application	<p>This unit of competency describes the skills and knowledge required to recognise commonly encountered landforms and soil, and their origins.</p> <p>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.</p> <p>No licensing, legislative or certification requirements apply to this unit at the time of publication.</p>
Prerequisite Unit	Nil
Unit Sector	Soil and water (SAW)

Commented [RB1]: This is a new unit currently under development. It has been included for feedback to assist in development

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 recognition	1.1 Identify expertise both within and outside of organisation 1.2 Prepare resources and equipment for use in recognition activity 1.3 Follow workplace procedure for landform/soil field survey
2. Identify regional geology	2.1 Identify geological crustal elements and associated rock types for a local region 2.2 Identify broad rock types and their broad characteristics and processes in that area including crustal and weathering processes 2.3 Identify major events and changes in the geological history of that area that have shaped the current surface geology
3. Recognise specified landforms and associated soils	3.1 Carry out a visual inspection of landforms and soil in the field 3.2 Recognise outcropping rocks and parent materials by their identifiable characteristics and name them 3.3 Recognise local soils associated geology 3.4 Record description of landforms and soil 3.5 Consult with others and confirm your descriptions
4. Monitor and report on landforms and soil	4.1 Identify human activity that impacts on landforms and soil 4.2 Identify degrading processes associated with these activities 4.3 Monitor the impacts of current land use on landforms and soil. 4.4 Report degrading impacts from current and future human activities on landforms and soil to your supervisor.

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
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Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
[SI Text]	[SI Text]	[SI Text]	[Equivalent unit OR No equivalent unit]

Links

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

TITLE	Assessment requirements for AHCSAW2XX Recognise Landforms and Soil
Performance Evidence	
<p>An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.</p> <p>The candidate must provide evidence that they can:</p> <ul style="list-style-type: none"> • implement safe work procedures relating to landform/soil field survey • prepare for landform and soil recognition • select sampling and monitoring equipment and materials appropriate for the task • operate sampling and monitoring equipment and machinery according to safe work practices and manufacturer instructions • clean and store equipment, machinery and tools according to organisational requirements • record results and provide a concise report to supervisor 	
Knowledge Evidence	
<p>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:</p> <ul style="list-style-type: none"> • major crustal processes and influences in the region • major rock types and common minerals • major soil types and common minerals • weathering, change and degrading processes relating to landforms and soil (both natural and human induced) • landform and soil survey and monitoring techniques and the equipment used • appropriate recording and reporting techniques • sources of expert advice. 	
Assessment Conditions	
<p>Assessment of skills must take place under the following conditions:</p> <ul style="list-style-type: none"> • [physical conditions:] <ul style="list-style-type: none"> • [e.g. skills must be demonstrated in [a commercial kitchen/a racing stable/veterinary practice/vineyard] or an environment that accurately represents workplace conditions] • [resources, equipment and materials:] <ul style="list-style-type: none"> • [e.g. live horses] • [e.g. use of specific tools] • [e.g. use of specific items of personal protective equipment] • [specifications:] <ul style="list-style-type: none"> • [e.g. use of specific workplace documents such as policies, procedures, processes, forms] • [e.g. use of manufacturer's operating instructions for specific equipment, machinery, etc.] • [e.g. access to specific safety data sheets] • [e.g. use of workplace instructions/job specifications/client briefs] • [access to specific legislation/codes of practice] • [relationships: (include only if the individual needs to interact with internal and/or external people during assessment of skills):] <ul style="list-style-type: none"> • [e.g. client(s), customer(s)] • [e.g. team member(s), supervisor(s)] • [timeframes: (include only if time is an essential assessment condition)] <ul style="list-style-type: none"> • [e.g. according to time specified in job sheet] • [e.g. within a specific time period] • [final point only ends with a full stop.] <p>Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.</p>	

Assessment Conditions

<p>Delete the following if there are no additional assessor requirements.</p>

<p>[In addition, the following specific assessor requirements apply to this unit:</p>

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| <ul style="list-style-type: none">• SI Bullet List 1• SI Bullet List 1:<ul style="list-style-type: none">• SI Bullet List 2.] |
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