



Australian Government

AHCPER422 Identify and analyse bioregional characteristics and resources

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 9.0.

Application

This unit of competency describes the skills and knowledge required to identify and source information, analyse and extract relevant data and provide information on bioregional characteristics and resources.

The delivery and assessment for this unit of competency in an Aboriginal and/or Torres Strait Islander context must comply with community protocols and guidelines and be supported by Elders and Custodians of Country.

The unit applies to individuals who take responsibility for their own work and for the quality of the work of others. They use discretion and judgement in the selection, allocation and use of available resources.

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

Pre-requisite Unit

Nil

Unit Sector

Permaculture (PER)

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. Identify sources of information on bioregional	1.1 Identify the context and outcomes for bioregional analysis according to stakeholder request

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
characteristics and resources	1.2 Identify resources and location of information about bioregion 1.3 Arrange access to identified resources
2. Organise access and extraction of information on bioregional characteristics	2.1 Arrange and coordinate investigative team to access resources and extract information 2.2 Identify and resolve impediments to accessing resources and information with stakeholders 2.3 Extract and record information for bioregion characteristics 2.4 Assess the validity and reliability of information extracted
3. Ensure information meets request	3.1 Compile information from investigative team 3.2 Identify inconsistencies between extracted information and stakeholder request 3.3 Rectify inconsistencies to comply with stakeholder request
4. Report on bioregional analysis	4.1 Plan the structure and format of bioregional report according to stakeholder request 4.2 Compile information and document bioregional report according to stakeholder specifications
5. Finalise reporting process	5.1 Review bioregional report with stakeholders and record feedback 5.2 Amend bioregional report according to feedback 5.3 Prepare for presentation of report according to stakeholder requirements 5.4 Present report to stakeholders 5.5 Maintain a record of report 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
Writing	Prepare and produce report, including diagrammatic modelling, to convey complex relationships between entities within a bioregion

Skill	Description
	using industry terminology and language to convey understanding for stakeholders
Oral communication	Use collaborative and inclusive techniques, including active listening, questioning, and reading of verbal and non-verbal signals, to convey, clarify and confirm instructions to investigative work team

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
AHCPER422 Identify and analyse bioregional characteristics and resources	AHCPER406 Identify and analyse bioregional characteristics and resources	Minor changes to Application, Elements and Performance Criteria for clarity Changes to Performance Evidence, Knowledge Evidence and Assessment Conditions for clarity Addition of Foundation Skills	Equivalent

Links

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

Assessment Requirements for AHCPER422 Identify and analyse bioregional characteristics and resources

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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 identified and analysed information on a bioregion and presented information in a report and has:

- identified sources of information on bioregional characteristics and resources
- organised investigative team to extract information on bioregional characteristics and resources
- compiled and checked information against stakeholder requirements
- planned and prepared a report on bioregional characteristics
- prepared and delivered a presentation of report according to stakeholder requirements.

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:

- bioregional characteristics and resources, including:
 - a bioregion as a land and water territory whose limits are defined not by political boundaries, but by the geographical limits of human communities and ecological systems
 - a town or a segment of a city as typical as the main node of a bioregion, as was the pattern of most settlement and economic development until the 20th century
 - water catchment as one of the key identifiers of the bioregion, with the water catchment, storage, use/treatment of effluent and the water quality of rivers and creeks
 - Ecological Vegetation Class (EVC) of the area or the population of endemic species, as well as the suitability of any other species to grow or breed in the area
 - history, social make-up, land use and population information that go towards understanding an area

- bioregional resources, including the human and social capital or culture of an area, its capacity to produce its own needs and supply surplus to others and its resilience in responding to change or catastrophe
- the natural (biophysical), built, social and cultural elements of the area, including water supply and catchment management systems, transport systems, local exchange trading systems (LETS) and cooperatives, food supply systems, fuel and fibre supply systems
- data held by local councils, community groups, historical societies, individuals and organisations that adds value to a study of the bioregion
- bioregional issues, including:
 - transition initiatives
 - local food and water security
 - bioregional self-reliance regarding other components of daily life from local sources as opposed to importing basic needs from long distances at a high cost to the environment
- embodied energy, including:
 - how to measure energy inputs for consumable items
 - compared with energy output over the life of the item
 - waste disposal of an item as part of its energy ‘cost’
- types of information sources
- methods and means of accessing data and extracting relevant information
- report writing, including planning, structure and format
- presenting reports and information to stakeholders, including:
 - types of media
 - methods of presenting
 - formatting information
- methods of reviewing, validating and checking reliability of information.

Assessment Conditions

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

- physical conditions:
 - skills must be demonstrated for a specified bioregion or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - tools and equipment to conduct research
 - sources of information on bioregion
- specifications:
 - workplace policies, procedures, processes
 - stakeholder brief and specification
- relationships:
 - stakeholder(s)

- team member.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

Links

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