



Australian Government

AHCECR501 Manage natural areas on a rural property

Release: 1

AHCECR501 Manage natural areas on a rural property

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 manage natural areas on privately owned rural properties and enhance the sustainable ecological and economic capacity and outcomes of the land.

The unit applies to individuals who manage land management projects and who analyse information and exercise judgement to complete a range of advanced skilled activities demonstrating a deep knowledge in specific technical areas within land management. They have accountability for the work of others and analyse, design and communicate solutions to a range of complex problems.

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

Pre-requisite Unit

Nil

Unit Sector

Ecological Restoration (ECR)

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. Determine location, size and type of area to be managed	1.1 Confirm location, boundaries and ownership of rural property 1.2 Compile register of native animal and plant species specific to locality 1.3 Determine features, characteristics and topography of site 1.4 Identify and confirm accuracy of vegetation association and

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	conservation value data 1.5 Obtain details of the presence of and threats from weeds and pests 1.6 Assess ecological value of natural areas on property 1.7 Compile documented evidence of physical impacts on area 1.8 Assess the ecological context of the site in the wider region
2. Prepare management strategies	2.1 Identify budgetary constraints for management strategies 2.2 Design boundary control appropriate to natural area protection guidelines 2.3 Develop management strategies according to budget requirements 2.4 Liaise with planning and specialist authorities 2.5 Identify habitat enhancement strategies within regional biodiversity context 2.6 Develop strategies to integrate management of natural areas into land use and production systems for property 2.7 Incorporate biosecurity, environmental sustainability and workplace health and safety procedures into management plan 2.8 Confirm management plan complies with relevant national, state, territory and local legislation or regulations 2.9 Prepare and present management plan to stakeholders
3. Implement management strategies	3.1 Develop work schedules consistent with production requirements and budget constraints 3.2 Organise people, materials and equipment for work according to management strategies 3.3 Schedule works for operational personnel, according to seasonal weather conditions 3.4 Identify permits or licenses required for natural area works 3.5 Inform stakeholders of planning and implementation of work

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	Identify and extract relevant planning information from maps, legislation and regulations, and incorporate into planning and implementation documents
Writing	Generate detailed written plans and schedules demonstrating control over a broad range of writing styles for a diverse range of purposes and audiences
Oral communication	Establish and maintain effective spoken communication in a broad range of contexts and to a diverse audience
Numeracy	Interpret complex financial information, perform calculations and translate financial and budgetary data into planning documents

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
AHCECR501 Manage natural areas on a rural property	AHCNAR501 Manage natural areas on a rural property	Changed unit code to reflect new unit sector Minor changes to Application and Performance Criteria for clarity Updated Performance Evidence, Knowledge Evidence and Assessment Conditions	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 AHCECR501 Manage natural areas on a rural property

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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, on at least one occasion, engaged in a process to manage a natural area located on a rural property, and has:

- determined features and characteristics of natural areas
- sourced topographical and conservation data about a site
- assessed the ecological value of natural areas on a property
- identified the condition of area using a standard condition classification system
- developed management strategies in accordance with workplace procedures and industry best practice
- liaised and consulted with stakeholders
- prepared a coordination program for a work team to carry out work in natural areas according to management strategies
- developed and implemented management strategies according to national, state, territory and local government legislation, regulations and industry standards
- prepared strategies for risk mitigation incorporating health and safety, biosecurity legislative requirements and environmentally sustainable practices.

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:

- natural area restoration and management principles, including:
 - the planning process
 - site evaluation techniques
 - methods of analysing soils, hydrology, waterways and their condition
 - ecological restoration standards and practices
- sustainable land management strategies, including:

- reducing sources of degrading impacts
- environmental sustainability as a 'whole-system' approach
- economic benefits of sustainable land use
- property planning and enterprise budgeting systems and procedures
- role of different stakeholders and authorities in management, including:
 - property owner
 - consultants and specialists
 - local government and other agencies
 - regional biodiversity management staff
 - rural fire authorities
 - special interest groups
- environmental issues, including:
 - water use and water catchments
 - pollution sources and damage potential, including air and noise pollution
 - waste minimisation
 - natural and human threats to natural areas
 - soil type and geology for accessing sites
 - interactions between production systems and natural areas
- ecological principles related to management of natural areas, including:
 - maintaining ecosystem structures and habitat
 - interactions between flora and fauna and impact on ecosystems
 - disturbance regimes for particular ecosystems
 - natural recovery processes in ecosystems
 - vegetation types and their general characteristics for management
- importance of biodiversity in managing natural areas, including:
 - terrestrial plants and basic plant community structures
 - water plant communities and interaction in freshwater and saline environments
 - methods for maintaining biodiversity
- state/territory legislative requirements related to environmental protection and biosecurity standards
- workplace health and safety hazards and the controls necessary to remove or minimise risk.

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 a farm property with an area of natural area to be conserved or in an environment that accurately represents workplace conditions
- resources, equipment and materials:

- maps and site plans
- specifications:
 - specific workplace policies, procedures and processes for managing a rural property
 - legislation, regulations and codes of practice relevant to rural property and natural area management
- relationships:
 - stakeholders.

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

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