



Australian Government

AHCFAU501 Manage fauna populations

Release: 2

AHCFAU501 Manage fauna populations

Modification History

Release	Comments
Release 2	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 6.0.
Release 1	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 1.0.

Application

This unit of competency describes the skills and knowledge required to prepare a fauna management plan, including controlling or maintaining fauna populations.

The unit applies to individuals who manage natural areas, and technical specialists who manage and provide advice on fauna populations.

Firearms licensing conditions may apply to this unit. Scientific licenses and permits may be required in some jurisdictions where the management plan involves endangered or threatened species, or critical habitats.

Pre-requisite Unit

Nil

Unit Sector

Fauna (FAU)

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. Assess fauna populations	1.1 Conduct surveys for distribution, ecology, viability, genetic diversity and threats 1.2 Determine increase or decrease in species population size and range 1.3 Assess desirability of the population change and impact on

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	immediate environment 1.4 Assess condition of the environment and habitats for ongoing support of species 1.5 Research species numbers in other locations to determine significance of local population 1.6 Assess attitudes of stakeholders to the species to determine acceptable range of population management options 1.7 Complete a cost/benefit analysis of population management options
2. Prepare management plan	2.1 Develop plan of management from assessment 2.2 Prepare submissions for funding to implement management plan 2.3 Reconcile costs of plan for management against available funds
3. Control or maintain fauna population	3.1 Develop plan to manage species using a series of intervention measures according to resource constraints and legislative requirements 3.2 Implement measures to manage population 3.3 Obtain permits for population management according to legislative requirements 3.4 Inform stakeholders and staff about population management measures 3.5 Ensure management measures comply with workplace health and safety, animal welfare, biosecurity and environmental sustainability policies and procedures 3.6 Ensure staff are trained and comply with licensing requirements for managing population 3.7 Manage incidents with species according to legislative, workplace health and safety and public safety requirements 3.8 Monitor and adjust management plan and record results in accordance with legislative and workplace requirements

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	Conduct literature reviews on the impact of animal populations, and critically review results for the development of a fauna management plan
Writing	Prepare fauna management plans and supporting texts, expressing ideas and exploring complex issues that are constructed logically, succinctly and accurately
Oral communication	Establish and maintain effective oral communication with stakeholders and staff
Numeracy	- Calculate animal population densities and compare results with researched results for comparable locations - Prepare costing for management plan and reconciliation with available funding

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
AHCFAU501 Manage fauna populations Release 2	AHCFAU501 Manage fauna populations Release 1	Minor changes to Application Minor changes to Performance Criteria for clarity Added Foundation Skills 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 AHCFAU501 Manage fauna populations

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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 prepared and implemented a management plan for at least one fauna species in its ecological environment.

There must also be evidence that the individual has:

- assessed fauna populations and their habitat
- assessed the impact of fauna population on the environment
- determined the stability and importance of fauna populations for their species
- planned intervention measures to improve species distribution, habitat and survivability
- prepared a fauna management plan in accordance with legislative requirements and workplace procedures, including:
 - developed workplace health and safety procedures
 - incorporated biosecurity procedures
 - informed staff and stakeholders
- implemented plan to control or maintain fauna populations
- applied ethical welfare practices when managing fauna populations
- applied appropriate sustainability 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:

- legislative and workplace requirements, including:
 - ethical standards and practices when working with fauna

- laws relevant to the protection of flora, fauna and marine environments
- ecological principles and practices as they apply to:
 - fauna species and their interrelationships with the environment
 - fauna and their habitat
 - predators and fauna population
 - competition between fauna species
- survey and assessment techniques, including:
 - survey materials and equipment
 - documenting and recording survey results
- key anatomical and behavioural characteristics and reproduction patterns of fauna species
- signs and symptoms of health issues in the species
- management planning methods and procedures
- requirements of licences for scientific, educational and conservation activities
- requirements for ensuring the welfare of animals described in the relevant codes of practice.

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 at least one fauna species in its ecological environment
- resources, equipment and materials:
 - fauna in the ecological environment
 - survey materials and equipment
- specifications:
 - specific workplace policies, procedures, processes for working with fauna
 - manufacturer operating instructions for survey equipment
 - legislation/codes of practice and standards for the ethical management of fauna.

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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