



Australian Government

AHCLPW406 Supervise the monitoring of biodiversity

Release: 1

AHCLPW406 Supervise the monitoring of biodiversity

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 supervise a biodiversity monitoring program in a given area, and record and summarise findings.

The unit applies to individuals who work as natural area managers and seek information on natural systems or areas. These individuals take limited responsibility in known or changing contexts within established guidelines.

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

Pre-requisite Unit

Nil

Unit Sector

Lands, Parks and Wildlife (LPW)

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 monitoring biodiversity	1.1 Determine aims and goals of monitoring plan 1.2 Select monitoring operations to obtain data required in monitoring plan 1.3 Assess range of likely operating conditions, hazards and difficult or sensitive environments for impact on monitoring 1.4 Consider alternative land, sea and air operations to collect data 1.5 Obtain certificates, licenses and authorisations to conduct

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	monitoring plan 1.6 Identify hazards, assess risk and document controls according to workplace health and safety procedures
2. Select and test equipment, resources and data management processes	2.1 Source resources required for monitoring 2.2 Pilot monitoring procedures in field conditions to test reliability, timeline and safety 2.3 Ensure equipment and process prevents lasting detrimental impact on environment 2.4 Develop procedures to capture, maintain, process and store data
3. Oversee biodiversity monitoring	3.1 Oversee observations according to monitoring plan 3.2 Coordinate recording, preparation and storage of data 3.3 Validate data collection and recording accuracy according to monitoring plan and workplace procedures
4. Collate and assess data, and report on biodiversity monitoring	4.1 Document and submit reporting requirements for certificates, licenses and authorisations 4.2 Examine records of monitored data for consistency and accuracy within requirements of the monitoring plan 4.3 Process data sets and produce a summary for reporting purposes 4.4 Compile and update data storage according to workplace procedures 4.5 Report on biodiversity monitoring program 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	Analyse biodiversity monitoring plans and consolidate information for the development of the monitoring program

Skill	Description
Writing	Prepare reports using clear, industry specific language to convey explicit information and requirements for biodiversity monitoring

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
AHCLPW406 Supervise the monitoring of biodiversity	AHCLPW405 Monitor biodiversity	Change to title Redesigned unit with changes to Elements and Performance Criteria Redesigned Performance Evidence, Knowledge Evidence and Assessment Conditions	Not 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 AHCLPW406 Supervise the monitoring of biodiversity

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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, prepared and supervised a biodiversity monitoring program.

There must be evidence that the individual has:

- selected monitoring operations and assessed conditions and data collection methods from the biodiversity monitoring plan
- selected, sourced and tested equipment suitable for monitoring procedures
- identified systems to capture, maintain and analyse data
- supervised monitoring tasks and data collection for biodiversity
- validated, processed and stored data according to workplace procedures
- analysed and compiled data and reported on biodiversity monitoring.

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:

- monitoring biodiversity in different ecosystems and the impact of their structure and interactions for monitoring
- identifying flora and fauna and methods of monitoring, including:
 - plants
 - major groups of fungi
 - mammals, birds, reptiles and amphibians
 - major groups of insects
- monitoring techniques for flora, fauna and microorganism populations
- legislative and regulatory requirements for biodiversity monitoring, including:
 - ethics and ethical standards
 - animal welfare

- permits and applications processes
- property access
- protecting the environment
- principles and procedures for monitoring changes over time with respect to project goals
- resource requirements for supervising a biodiversity program, including:
 - personnel
 - monitoring equipment
 - materials
- scientific processes and procedures for monitoring biodiversity
- data recording and data validation techniques.

Assessment Conditions

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

- physical conditions:
 - skills must be demonstrated in the field for a regional biodiversity monitoring program, or in an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - computer with data management and storage software
- specifications:
 - use of specific workplace policies, procedures, processes and application forms required to administer biodiversity monitoring programs
 - access to legislation relevant to flora and fauna conservation and biodiversity
- relationships:
 - • team engaged in biodiversity monitoring.

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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