



Australian Government

AHCLPW302 Implement a biodiversity monitoring plan

Release: 1

AHCLPW302 Implement a biodiversity monitoring plan

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 conduct fieldwork for the implementation of a biodiversity monitoring plan on a site.

The unit applies to individuals who work under broad direction and take responsibility for their own work, including limited responsibility for the work of others. They use discretion and judgement in the selection 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

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 of a given area	1.1 Confirm site location, purpose and biodiversity monitoring techniques to be used with supervisor 1.2 Identify work team involved for monitoring plan 1.3 Identify site operating conditions and hazards, assess risks and implement controls according to workplace health and safety procedures 1.4 Assemble equipment and materials required for monitoring plan

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
2. Prepare, transport and install equipment and resources	2.1 Select, check, maintain, and repair or replace equipment according to workplace procedures and monitoring requirements 2.2 Transport equipment and work team to monitoring site safely 2.3 Install and secure equipment according to operating procedures and regulatory requirements 2.4 Test equipment in field conditions
3. Conduct biodiversity work under supervision	3.1 Implement operating procedure to monitor biodiversity under supervision 3.2 Conduct observations according to monitoring plan and ethical and environmentally sensitive work practices 3.3 Record and report incidents and unplanned events to supervisor
4. Record biodiversity data	4.1 Record data according to monitoring plan and supervisor instructions 4.2 Record location and times of observations 4.3 Complete a summary report of activity 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
Oral communication	Interact with supervisor using collaborative and inclusive techniques, including active listening and questioning and reading of verbal and non-verbal signals, to convey and clarify information for monitoring program
Numeracy	Interpret and manipulate numerical information of collected data and timelines during monitoring program

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
AHCLPW302 Implement a biodiversity monitoring plan	Not applicable	The unit has been created to address an emerging skill or task required by industry	Newly created

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 AHCLPW302 Implement a biodiversity monitoring plan

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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, monitored biodiversity for a site over a period of time specified in the monitoring plan, and has:

- interpreted purpose and implemented techniques for monitoring biodiversity on a site
- installed and used monitoring equipment
- secured monitoring equipment from theft, vandalism, damage and weather
- selected, maintained, repaired and transported monitoring equipment for site
- recorded data accurately
- conducted biological observations according to ethical and environmentally sensitive procedures
- reported outcomes of biodiversity monitoring according to workplace procedures.

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:

- relationship of ecosystems and the key processes that support them, and impact on monitoring programs
- basic plant and animal classification
- monitoring techniques for flora, vertebrate and invertebrate fauna and microorganisms
- factors affecting monitoring locations within a site
- condition classifications to track changes over time
- types of monitoring equipment used, including:
 - vertebrate and invertebrate traps and trapping techniques
 - digital imaging
 - audio recording

- sampling and collecting plants and mycological samples
- preparation, calibration and adjustments
- setting up and securing monitoring equipment
- biosecurity and maintenance
- securing, labelling and storage of equipment
- data recording techniques and reporting
- ethical standards required for biodiversity monitoring programs
- environmental impact of biodiversity monitoring programs.

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 an actual site over a specified time period
- resources, equipment and materials:
 - monitoring equipment specified in monitoring plan
 - personal protective equipment
- specifications:
 - workplace policies and procedures for biodiversity monitoring
 - state/territory and Commonwealth regulations, guidelines, standard operating procedures for ethical and legal monitoring practices
 - manufacturer operating instructions for monitoring equipment
 - workplace monitoring plan
- relationships:
 - supervisor
 - monitoring team
- timeframes:
 - within a specified time period.

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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