

Modification history

Release	Comments
Release 1	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 5.0.

AHCLPW3XX	Monitor biodiversity
Application	<p>This unit of competency describes the skills and knowledge required to conduct fieldwork for monitoring biodiversity of a given area.</p> <p>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.</p> <p>No licensing, legislative or certification requirements apply to this unit at the time of publication.</p>
Prerequisite Unit	Nil
Unit Sector	Lands, Parks and Wildlife (LPW)

Commented [RB1]: Does this include the use of non-lethal traps and trapping techniques for monitoring vertebrate animal populations?

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 the site location 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
2. Prepare, transport and install equipment and resources	2.1 Select, check, maintain, repair or replace equipment according to workplace procedures and monitoring requirements 2.2 Transport equipment and work team to monitoring site 2.3 Install and secure equipment according to operating procedures 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 sustainable 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 supervisors 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
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Commented [RB2]: RB to complete after confirmation of Performance Criteria

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
[SI Text]	New	New	No equivalent unit

Links

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

TITLE	Assessment requirements for AHCLPW3XX Monitor biodiversity
Performance Evidence	
<p>An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.</p> <p>There must be evidence that the individual has on at least one occasion monitored biodiversity for a specified site over a specified time of no less than 3 months and has:</p> <ul style="list-style-type: none"> • interpreted and implemented monitoring techniques for site • installed and use 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 sustainability procedures • reported outcomes of biodiversity monitoring according to workplace procedures. 	
Knowledge Evidence	
<p>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:</p> <ul style="list-style-type: none"> • ecosystems and the key processes that support them • basic plant and animal classification • monitoring techniques for flora, vertebrate and invertebrate fauna and microorganisms • types of monitoring equipment used, including: <ul style="list-style-type: none"> • vertebrate and invertebrate traps and trapping techniques • digital and audio recording • sampling and collecting plants and mycological samples • preparation, calibration and adjustments • set up and securing monitoring equipment • biosecurity and maintenance • data recording techniques and reporting • ethical standards and sustainability principles for monitoring biodiversity. 	
Assessment Conditions	
<p>Assessment of skills must take place under the following conditions:</p> <ul style="list-style-type: none"> • physical conditions: <ul style="list-style-type: none"> • skills must be demonstrated on a site over a specified time period • resources, equipment and materials: <ul style="list-style-type: none"> • monitoring equipment specified in monitoring plan • use of specific items of personal protective equipment • specifications: <ul style="list-style-type: none"> • use of workplace policies and procedures for ethical standards and biodiversity monitoring • use of manufacturer's operating instructions for monitoring equipment • use of workplace monitoring plan • relationships: <ul style="list-style-type: none"> • supervisor • monitoring team • timeframes: <ul style="list-style-type: none"> • within a specified time period. <p>Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.</p>	
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