Modification history

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

| AHCLPW3XX | Implement a biodiversity monitoring plan |
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| 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.  |
| Prerequisite Unit | Nil |
| Unit Sector | Lands, Parks and Wildlife (LPW) |

| Elements | Performance Criteria |
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| Elements describe the essential outcomes. | Performance criteria describe the performance needed to demonstrate achievement of the element. |
| 1. Prepare for monitoring biodiversity of a given area | 1.1 Confirm site location, purpose and biodiversity monitoring techniques to be used with supervisor1.2 Identify work team involved for monitoring plan1.3 Identify site operating conditions and hazards, assess risks and implement controls according to workplace health and safety procedures1.4 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 requirements2.2 Transport equipment and work team to monitoring site safely2.3 Install and secure equipment according to operating procedures and regulatory requirements2.4 Test equipment in field conditions |
| 3. Conduct biodiversity work under supervision | 3.1 Implement operating procedure to monitor biodiversity under supervision3.2 Conduct observations according to monitoring plan and ethical and environmentally sensitive work practices3.3 Record and report incidents and unplanned events to supervisor |
| 4. Record biodiversity data | 4.1 Record data according to monitoring plan and supervisors instructions4.2 Record location and times of observations4.3 Complete a summary report of activity according to workplace procedures |

| Foundation SkillsThis 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. |
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| Skill | Description |
| Oral communication | * Participate in verbal exchanges 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
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| Numeracy | * Interpret and manipulate numerical information of collected data and timelines during monitoring program
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| Unit Mapping Information |
| Code and title current version | Code and title previous version | Comments | Equivalence status |
| AHCLPW3XX Implement a biodiversity monitoring plan | New | New | No equivalent unit |

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| 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 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 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 environmentally sensitive procedures
* reported outcomes of biodiversity monitoring according to workplace procedures.
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| Knowledge Evidence |
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| 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
* set 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.
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| Assessment Conditions |
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| Assessment of skills must take place under the following conditions: * physical conditions:
* skills must be demonstrated on a site over a specified time period
* resources, equipment and materials:
* monitoring equipment specified in monitoring plan
* use of specific items of personal protective equipment
* specifications:
* use of workplace policies and procedures for biodiversity monitoring
* State and Federal regulations, guidelines, standard operating procedures for ethical and legal monitoring practices
* use of manufacturer’s operating instructions for monitoring equipment
* use of 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. |

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