



Australian Government

AHCECR311 Implement ecosystem reconstruction works

Release: 1

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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 specialist skills and knowledge required to implement terrestrial or aquatic ecosystem reconstruction works on an ecological restoration site following a plan or brief.

The unit applies to individuals engaged in conservation and land and water management programs and who work under general supervision, exercising limited autonomy with some accountability for their own work. They undertake defined activities and work in a structured context to current industry standards.

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

Pre-requisite Unit

Nil

Unit Sector

Ecological Restoration (ECR)

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. Determine scope of ecosystem reconstruction works	1.1 Determine boundaries between ecosystem reconstruction area and assisted regeneration area according to project brief 1.2 Identify potential for habitat corridors or linkages with adjoining properties from project brief 1.3 Identify reference model for reconstruction area according to project brief and anticipated climate change

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	1.4 Identify and document potential threats to ecosystem reconstruction works 1.5 Identify timing and method of ecosystem reconstruction work
2. Prepare for ecosystem reconstruction works	2.1 Select, check and prepare tools, equipment and materials according to project brief and biosecurity requirements 2.2 Identify species for ecosystem reconstruction works from project brief 2.3 Obtain and store biological materials for reconstruction works 2.4 Identify and ensure required permits have been obtained for reconstruction works 2.5 Coordinate work team for reconstruction works 2.6 Organise and coordinate site activities for work team for reconstruction works 2.7 Identify hazards, assess risks and implement controls according to workplace health and safety procedures
3. Prepare ecosystem reconstruction site	3.1 Identify hazards, assess risks and document controls according to environmental and biosecurity procedures 3.2 Select and apply treatments according to environmental and biosecurity risk controls 3.3 Identify desirable and undesirable organisms and contamination, and select methods for control 3.4 Treat undesirable organisms and contamination according to selected controls 3.5 Undertake site and substrate pre-treatments 3.6 Install protective measures according to identified environmental risk controls
4. Undertake ecosystem reconstruction works	4.1 Select, check and use personal protective equipment according to workplace health and safety procedures 4.2 Inspect biological materials for quality, and discard defective materials 4.3 Pre-treat plants, seeds or other propagules according to project brief 4.4 Reintroduce biota according to current industry standards and project brief

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	4.5 Apply techniques for protecting, securing or anchoring reintroduced biota 4.6 Maintain records and reports according to workplace procedures
5. Maintain ecosystem reconstruction site	5.1 Monitor growth of plants, seeds or other propagules for health and performance 5.2 Maintain site according to ecosystem reconstruction project brief 5.3 Undertake remedial action and protection according to species requirements 5.4 Clean, maintain and store tools and equipment 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	Interpret project briefs and other documentation and consolidate information for implementing reconstruction works
Writing	Accurately record and complete organisational records and reports using standard industry terminology

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
AHCECR311 Implement ecosystem reconstruction works	Not applicable	The unit has been created to address a skill or task required by industry that is not covered by an existing unit	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>