



Australian Government

Assessment Requirements for AHCECR310 Implement assisted regeneration 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.

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 performed ecological restoration works for at least two different ecological environments.

There must also be evidence that the individual has:

- identified intact ecosystem features of site, including:
 - remaining native organisms
 - intact substrates
 - habitat
- identified boundaries of natural regeneration, assisted regeneration and reconstruction zones on site
- identified assisted regeneration treatments that are appropriate to individual species typical of the ecosystem and type and intensity of the treatment matched to the degradation level of the site, which must include locally applicable treatments for the following:
 - substrate physical treatments, including surface contouring and debris laying
 - substrate chemical treatments, including removal of contaminants, pH correction, saline flushing, nutrient stripping
 - hydrological treatments, including adjusting water chemistry, increasing or reducing water availability to site
 - habitat reinstatement, including rocks, shell, artificial hollows or crevices, debris piles and dispersal perches
 - applied disturbances, including soil disturbance, clearing fire or smoke treatments
 - removal of competition, including any undesirable species
- recognised and minimised threats to regeneration at the restoration site
- conducted a site hazard identification and risk control assessment
- used, cleaned, maintained and stored machinery and equipment according to manufacturer instructions and enterprise standards

- complied with workplace health and safety, biosecurity and environmentally sustainable work practices.

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:

- identification of locally native and non-native plants and animals
- naming of ecosystems and habitats already present on site
- consideration of the effects of climate change on the prior ecosystem and implications for regeneration
- post-disturbance recovery mechanisms of specific relevant organisms and triggers for their recovery
- habitat requirements of locally native biota
- principles and methods for prevention and control of pest or undesirable biota
- common techniques used to assist regeneration for a range of native and non-native biota in damaged ecosystems, including:
 - substrate physical treatments, including surface contouring and debris laying
 - substrate chemical treatments, including removal of contaminants, pH correction, saline flushing, nutrient stripping
 - hydrological treatments, including increasing or reducing water availability
 - habitat reinstatement, including rocks, shell, artificial hollows or crevices, debris piles and dispersal perches
 - applied disturbances, including soil disturbance, clearing fire or smoke treatments
 - removal of competition, including any undesirable species
- factors affecting the timing, method of primary and secondary assisted regeneration treatments and the consequences of insufficient secondary treatments
- safety requirements when handling and using hazardous goods.

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 as specified in the Performance Evidence
- resources, equipment and materials:
 - tools and equipment required for ecological restoration works
 - materials required for treatments
 - security guards, pegs
 - workplace procedures and processes
 - safety data sheets for chemical treatments
 - workplace instructions and project brief

- relationships:
 - work team
 - supervisor
 - stakeholders.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

Links

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