



Australian Government

Assessment Requirements for AHCECR203 Perform basic ecological restoration works

Release: 1

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Modification History

| Release | Comments |
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| 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:

- established activities for works from the supervisor instructions and confirmed with supervisor
- confirmed project goal, approaches, methods and treatments from plans and supervisor instructions
- inspected site for intact elements, including:
 - biota
 - soil profiles
 - other substrates
- identified treatments from instructions, including:
 - substrate
 - hydrological
 - habitat
 - competition
 - reintroduction
- protected existing biota, habitat features and substrates
- prepared and carried out at least two of the following assisted regeneration treatments:
 - removal of competing biota
 - installation of habitat features
 - applied disturbance to trigger recovery
- transported tools and materials to site
- carried out biological reintroduction treatments according to instructions, including two of the following methods:

- transplanted stock from natural area
- planted nursery stock
- sown seed or other propagules
- secured and protected the restored area
- removed waste and cleaned the site according to workplace environmental procedures
- carried out work according to instructions and workplace health and safety requirements.

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:

- basic principles of ecological restoration, and the application of industry standards
- the concept of ecosystem resilience and its application in areas of different degradation level
- basic mechanisms of natural recovery, including:
 - re-sprouting
 - clonal division
 - seed and propagule banks
- basic ecological restoration approaches suited to different degrees of degradation
- basic ecological restoration techniques suited to different species and degrees of degradation
- common names of key native plants, animals and other organisms present in restoration area
- native plant and animal growth and habitat requirements specific to the ecosystems in a restoration area
- safety data sheets for types of chemicals that can be used in ecological restoration
- work health and safety requirements and biosecurity requirements of ecological restoration
- common names of weeds, pest animals and other undesirable organisms present in restoration area
- key physiological characteristics of undesirable species relevant to their control
- the role of genetic diversity and integrity in fragmented ecosystems, with a basic consideration of implications of climate change.

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

- specifications:
 - specific workplace procedures and processes
 - specific safety data sheets for chemical treatments
 - workplace instructions and project brief
- relationships:
 - supervisor.

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>