

Title	Examine, assess and revegetate indigenous plant communities		
Level	4	Credits	10

Purpose	People credited with this unit standard are able to: examine indigenous plant communities; assess revegetation needs of a particular site; organise the plant material for revegetation; and implement revegetation.
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Classification	Horticulture > Amenity Horticulture
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Available grade	Achieved
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Guidance Information

- 1 Legislation relevant to this unit standard includes but is not limited to:
 - Health and Safety at Work Act 2015;
 - Hazardous Substances and New Organisms Amendment Act 2015;
 - Resource Management Act 1991; and any subsequent amendments.
- 2 Definition

Workplace procedures refer to procedures for safety and operation set down by the employer or host organisation for equipment use and maintenance and must be consistent with equipment manufacturer's instructions.
- 3 Indigenous plant communities may include but are not limited to – wetlands, grasslands, shrublands, coastal dunes, forests.
- 4 Work may involve exposure to chemical, dangerous, or hazardous substances. Safety procedures are observed in accordance with NZS 8409:2021 *Management of Agrichemicals*, available from www.standards.govt.nz.
- 5 All evidence presented in this unit standard must be in accordance with workplace procedures.

Outcomes and performance criteria

Outcome 1

Examine indigenous plant communities.

Performance criteria

- 1.1 Examine a plant community in terms of plant associations and the main plant species present.
- Range may include but is not limited to – emergent, subcanopy, understorey, forest floor.
- 1.2 Describe the relationships between community members.
- Range nutrient cycling, food chains, symbiosis, parasites, saprophytes.
- 1.3 Describe the process of plant succession, in relation to the plant community.
- 1.4 Identify the site conditions influencing a natural, or semi-natural, plant community.
- Range may include but is not limited to – soil, climate, topography, plant and animal pests, human influences.
- 1.5 Evaluate an example of a natural plant community and identify reason(s) for degradation or modification.

Outcome 2

Assess revegetation needs of a particular site.

Performance criteria

- 2.1 Analyse site conditions that may influence revegetation.
- Range may include but is not limited to – soil, topography, climate, existing vegetation, animal effects, human effects.
- 2.2 Identify goals of revegetation.
- Range may include but is not limited to – enhanced wildlife habitat, biodiversity, enhanced amenity values, water quality protection, retiring non-productive land, carbon-sequestration.
- 2.3 Identify site improvements needed.
- Range may include but is not limited to – weed control, animal control, shelter, perimeter, protection.
- 2.4 Compare the selected site with a less degraded site.
- Range may include but is not limited to – site conditions, improvements, limiting factors.
- 2.5 Consult with local authorities and community, as appropriate, on the revegetation programme.

2.6 Identify plant species requirements and source of local provenance plants.

2.7 Identify possible revegetation strategies for the site.

Range may include but is not limited to – planting, encouraging natural regeneration with minimal planting, maintenance and/or aftercare.

Outcome 3

Organise the plant material for revegetation.

Performance criteria

3.1 Formulate and document a revegetation strategy for site preparation, revegetation, and maintenance.

3.2 Organise the supply of plant material to suit revegetation plan.

Range may include but is not limited to – provenance, propagation method, plant type, species, container type, supply logistics.

Outcome 4

Implement revegetation.

Performance criteria

4.1 Prepare the site for revegetation.

Range may include but is not limited to – weed control, pest control, shelter, fencing, preparation of planting positions.

4.2 Position plants, and plant to facilitate plant survival.

Planned review date	31 December 2026
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	27 July 2005	31 December 2024
Revision	2	24 February 2006	31 December 2024
Review	3	20 June 2008	31 December 2024
Review	4	24 February 2022	N/A
Revision	5	26 January 2023	N/A

Consent and Moderation Requirements (CMR) reference	0052
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

Comments on this unit standard

Please contact Muka Tangata - People, Food and Fibre Workforce Development Council qualifications@mukatangata.nz if you wish to suggest changes to the content of this unit standard.