

<b>Title</b>	<b>Demonstrate knowledge of the development and use of woodlots, and timber markets in New Zealand</b>		
<b>Level</b>	<b>5</b>	<b>Credits</b>	<b>4</b>

<b>Purpose</b>	People credited with this unit standard are able to: describe the characteristics and functions of woodlots; identify suitable woodlot sites and plan for their use; describe woodlot development; and describe timber markets in New Zealand.
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<b>Classification</b>	Horticulture > Arboriculture
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<b>Available grade</b>	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;
  - Health and Safety in Employment Regulations 1995;
  - Resource Management Act 1991;
  - Local Government Act 2002;
 and any subsequent amendments.
- 2 Definition  
*Workplace procedures* refer to the policies and procedures on safety and operation set down by the employer or organisation. Workplace procedures should reflect current legislation.
- 3 For the purposes of assessment, evidence for the practical components of this unit standard must be presented in accordance with workplace procedures.

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### Outcomes and performance criteria

#### Outcome 1

Describe the characteristics and functions of woodlots.

#### Performance criteria

- 1.1 Describe woodlots in terms of their characteristics.

Range	characteristics include but are not limited to – high value, landscape benefits, long life cycle, potential sustainability, carbon banking, selective harvesting.
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## 1.2 Describe woodlots in terms of their functions.

Range may include but is not limited to – coppice block, continuous production, economic return, firewood, landscape benefits, noise protection, protection for delicate and slow growing species, screening, shelterbelt, tree crops for stock feed, windbreaks, slope stabilisation;  
evidence of five is required.

### Outcome 2

Identify suitable woodlot sites and plan for their use.

#### Performance criteria

2.1 Determine duration of access to site in terms of the type of woodlot development to be planned.

Range may include – short-term, medium term, long-term.

2.2 Determine cost-benefit of investment through evaluation of contributing factors.

Range contributing factors – site life, site cost, establishment costs, range of products possible, available markets for products, management and operational costs, amenity and landscape values.

2.3 Determine growing and production cycle in terms of duration of site availability.

2.4 Specify species and planting plans from trees identified as suitable for site conditions and design needs.

2.5 Develop a plan for sustainable yield and selective or rotational harvesting procedures.

2.6 Incorporate land management requirements into final plan.

Range approvals and consents, stabilisation, access, planting, tree care, harvest.

### Outcome 3

Describe woodlot development.

#### Performance criteria

3.1 Describe woodlot development in terms of the requirements of permits and consents.

3.2 Describe woodlot development in terms of the procedures to implement a planting plan to meet tree establishment needs and planting specification requirements.

- 3.3 Describe woodlot development in terms of the procedures to implement a tree management plan to foster tree health, usable timber development, and aesthetic potential of the woodlot.
- 3.4 Describe woodlot development in terms of the procedures to implement a harvest and post-harvest plan.

#### Outcome 4

Describe timber markets in New Zealand.

#### Performance criteria

- 4.1 Describe production timber in New Zealand in terms of potential markets and distribution.
- Range includes but is not limited to – export logs, furniture, turning, veneers, chipping, sawn timber, firewood, mulch.
- 4.2 Describe individual logs in New Zealand in terms of their preparation, potential markets, and distribution.
- Range grading, drying, stringing.

<b>Replacement information</b>	This unit standard replaced unit standard 2820.
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<b>Planned review date</b>	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	24 June 2021	N/A

<b>Consent and Moderation Requirements (CMR) reference</b>	0032
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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 the Primary ITO [standards@primaryito.ac.nz](mailto:standards@primaryito.ac.nz) if you wish to suggest changes to the content of this unit standard.