

<b>Title</b>	<b>Carry out waste-wood assessment in cutover forest</b>		
<b>Level</b>	<b>4</b>	<b>Credits</b>	<b>5</b>

<b>Purpose</b>	People credited with this unit standard are able to: demonstrate knowledge of waste-wood assessment in cutover forest; carry out an assessment of waste wood in cutover forest; and complete a waste-wood assessment report for an area of cutover forest.
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<b>Classification</b>	Forestry > Forest Mensuration
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<b>Available grade</b>	Achieved
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### Guidance Information

- 1 Legislation relevant to this unit standard includes the Health and Safety at Work (HSW) Act 2015; the Resource Management (National Environmental Standards for Plantation Forestry) Amendment Regulations 2018; and any subsequent amendments.
- 2 References  
*Approved Code of Practice (ACOP) for Safety and Health in Forestry Operations*, December 2012, available from <https://worksafe.govt.nz/>.  
 New Zealand Forest Owners Association, *Forest Practice Guides* (2019), and any subsequent amendments, available from <https://www.nzfoa.org.nz>.
- 3 Definitions  
*Accepted industry practice* refers to approved codes of practice and standardised procedures accepted by the wider forestry industry as examples of best practice.  
*Worksite procedures* refer to documented procedures used by the organisation carrying out the work and applicable to the tasks being carried out. They may include but are not limited to – standard operating procedures, site safety procedures, equipment operating procedures, quality assurance procedures, housekeeping standards, procedures to comply with legislative and local body requirements.
- 4 Assessment information  
 This unit standard must be assessed on-job.  
 All activities and evidence must meet worksite procedures and accepted industry practice.

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## Outcomes and performance criteria

### Outcome 1

Demonstrate knowledge of waste-wood assessment in cutover forest.

#### Performance criteria

- 1.1 Reasons for carrying out a waste-wood assessment are explained in terms of yield control, logging management, and planning for forest re-establishment.
- 1.2 Reasons for collecting data are explained in terms of quantifying wood waste throughout an annual cycle and corrective action for undesirable trends.
- 1.3 Process of carrying out a waste wood assessment is described in terms of annual cycle and corrective action for undesirable trends.
- 1.4 The components of a waste-wood assessment are explained.  
  
Range logging organisation identifier, contractor identifier, crew identifier, stand identifier, operation identifier, species identifier.
- 1.5 Types of field assessment are described.  
  
Range cutover, skid, stacked wood waste.

### Outcome 2

Carry out an assessment of waste wood in cutover forest.

#### Performance criteria

- 2.1 Preparation for fieldwork is completed.  
  
Range equipment, logging crews, sample, period of measurement.
- 2.2 Sampling patterns are selected to match the log orientation or shape of the cutover.
- 2.3 Cutovers that have been salvaged after flagging or passed by a cutover inspector are assessed.
- 2.4 Data is recorded.
- 2.5 The hazards and associated risks specific to carrying out a waste-wood assessment are identified, and control methods are explained.

### Outcome 3

Complete waste-wood assessment report for an area of cutover forest.

**Performance criteria**

- 3.1 Elements of a waste-wood assessment report are described.  
Range job index, job status, organisation, species, operation.
- 3.2 Log categories are identified and recorded.  
Range merchantable logs, unmerchantable logs, sound merchantable wood.
- 3.3 Field data is processed to provide volume or area figures for each selected crew or harvest area.
- 3.4 Reports are completed from field data and presented.

<b>Planned review date</b>	31 December 2024
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**Status information and last date for assessment for superseded versions**

Process	Version	Date	Last Date for Assessment
Registration	1	8 November 1996	31 December 2017
Revision	2	19 June 1998	31 December 2017
Review	3	5 December 2000	31 December 2017
Review	4	17 July 2009	31 December 2017
Review	5	10 December 2015	N/A
Review	6	25 June 2020	N/A

<b>Consent and Moderation Requirements (CMR) reference</b>	0173
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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 Competenz [qualifications@competenz.org.nz](mailto:qualifications@competenz.org.nz) if you wish to suggest changes to the content of this unit standard.