

Title	Carry out waste-wood assessment in cutover forest		
Level	4	Credits	5

Purpose	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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Classification	Forestry > Forest Mensuration
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Available grade	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.

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.

Planned review date	31 December 2028
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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
Rollover	7	26 April 2024	N/A

Consent and Moderation Requirements (CMR) reference	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 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.