

<b>Title</b>	<b>Apply environmental requirements on a forestry earthworks site</b>		
<b>Level</b>	<b>4</b>	<b>Credits</b>	<b>23</b>

<b>Purpose</b>	People credited with this standard are able to explain and apply environmental requirements on a forestry earthworks site.
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<b>Classification</b>	Infrastructure Works > Forestry Earthworks
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<b>Available grade</b>	Achieved
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<b>Prerequisites</b>	Unit 17769, <i>Demonstrate knowledge of general health, safety, and environmental requirements in forestry</i> ; and Unit 22994, <i>Demonstrate knowledge of factors that affect the performance of forestry workers</i> or demonstrate equivalent knowledge and skills.
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## Guidance Information

- Learning and assessment within this unit standard must be carried out in an infrastructure forestry earthworks environment and in accordance with the following legislation, guidelines, and codes of practice, as relevant to their role, and any subsequent amendments:
  - Health and Safety at Work Act 2015;
  - Resource Management Act 1991;
  - Heritage New Zealand Pouhere Taonga Act 2014;
  - Resource Management (National Environmental Standards for Plantation Forestry) Regulations 2017 User Guide (2018) (forestry earthworks regulations 22-35), available from <https://www.mpi.govt.nz/>;
  - Approved Code of Practice (ACOP) for Safety and Health in Forest Operations (2012), available from <https://www.worksafe.govt.nz/>;
  - Excavation Safety Good Practice Guidelines (2016), available from <https://worksafe.govt.nz/>;
  - Operator Safety Manual for Earthmoving Machinery 2017, available from <https://civilcontractors.co.nz/>;
  - Plantation Forestry Code of Practice Eliminating Alcohol and Other Drugs from the Workplace (2015), available from <http://www.nzfoa.org.nz/>;
  - New Zealand Forest Road Engineering Manual: Operators Guide 2020, available from <http://www.nzfoa.org.nz/>;
  - Forest Practice Guides (2020), available from <http://www.nzfoa.org.nz/>.

## 2 Definitions

*Company requirements* include the policy, procedures, and methodologies of the company. They include legislative and regulatory requirements that may apply across the company or to a specific site. Requirements are documented in the company health and safety plans, traffic management plans, contract work programmes, quality assurance programmes, policies, and procedural documents.

*Forestry infrastructure* in this context refers to completed earthworks and may include roads, tracks, landings, bridges, quarries, water and sediment controls, and signage.

*Incidents* may refer to fire, slips, erosion, traffic.

*Job prescriptions* are those given to the operator prior to undertaking a job. They may include site safety instructions, mapping information, contract drawings, and written memos.

## Outcomes and performance criteria

### Outcome 1

Explain the environmental requirements for a forestry earthworks site.

#### Performance criteria

- 1.1 Environmental requirements for a forestry earthworks site are explained in terms of the Resource Management (National Environmental Standards for Plantation Forestry) Regulations 2017.
- 1.2 Environmental requirements for the site are explained in terms of job prescriptions, work operations, and company requirements.
- 1.3 Responsibilities are explained in terms of communicating environmental practices during forestry earthworks and maintenance of forestry infrastructure.

### Outcome 2

Apply environmental requirements on a forestry earthworks site.

#### Performance criteria

- 2.1 Recording and reporting of onsite environmental risks, hazards, incidents, and controls is completed in accordance with company requirements.
- 2.2 Environmental requirements for the site are monitored during forestry earthworks and maintenance of forestry infrastructure.

**Range** environmental requirements may include but are not limited to – pilot tracking, benching and compaction, erosion and sediment control, waterway management, physical structures, adjacent properties, sensitive sites, side cuts, slopes, retaining berms, water run-off control, debris disposal, placement of slash, fill, stabilisation.

- 2.3 Recommendations for improvements to environmental practices are reported according to company requirements.

<b>Planned review date</b>	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	1 March 2018	31 December 2025
Review	2	25 May 2023	N/A

<b>Consent and Moderation Requirements (CMR) reference</b>	0101
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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 Waihanga Ara Rau Construction and Infrastructure Workforce Development Council [qualifications@waihangaararau.nz](mailto:qualifications@waihangaararau.nz) if you wish to suggest changes to the content of this unit standard.