

Title	Implement an erosion and sediment control plan at an infrastructure worksite		
Level	4	Credits	20

Purpose	People credited with this unit standard are able to implement an erosion and sediment control (ESC) plan at an infrastructure worksite
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Classification	Infrastructure Works > Generic Infrastructure Works
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Available grade	Achieved
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Guidance Information

1 Learning and assessment for this unit standard must be in accordance with the following:

- 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 (forestry earthworks regulations 22-35); and all subsequent amendments and replacements.

2 Definitions

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

Controls refers to methods or procedures used to prevent, remedy or mitigate environmental impact.

Erosion and sediment control plan refers to measures that are implemented to minimise erosion and subsequent sediment loss from a site as a result of land disturbance activities. It has two parts, a written methodology and a site plan.

Infrastructure works site refers to a site with activity relating to any of: the construction and maintenance of infrastructure assets such as road, rail, port, airport, and utilities; demolition; bulk earthworks; quarrying; asphalt production; and bitumen storage and application.

Mana Whenua values refer to an understanding of Mauri and the practical application of mana whenua values in the appropriate context.

Te Aranga Design Principles refer to Rangatiratanga, Kaitiakitanga, Manaakitanga, Wairuatanga, Kotahitanga, Whanaungatanga, Mātauranga.

Outcomes and performance criteria

Outcome 1

Implement an ESC plan at an infrastructure worksite.

Performance criteria

- 1.1 The requirements of the ESC plan are interpreted in terms of implementation on the worksite.
- Range site description, programme of works, drawings, receiving environment, methodology, monitoring plan performance, emergency procedures, compliance requirements.
- 1.2 Erosion and sediment controls are constructed and operated in accordance with the ESC plan for the worksite.
- Range define work area, implement perimeter controls, implement erosion controls, implement sediment controls, protect topsoil and stockpiles, additional internal controls, progressively stabilise site.
- 1.3 Te Aranga Design Principles that enhance protection, reinstatement, development and articulation of Mana Whenua, cultural heritage and cultural landscapes, are considered during the implementation of the ESC plan for the worksite.
- 1.4 The maintenance and monitoring programme for the site is set up in accordance with the ESC plan.
- Range inspection schedule, monitoring schedule, resource consent conditions, rainfall events, reporting requirements.
- 1.5 Erosion and sediment controls are decommissioned in accordance with the ESC plan and company requirements.

Planned review date	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	24 October 2019	N/A

Consent and Moderation Requirements (CMR) reference	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 Connexis - Infrastructure Industry Training Organisation qualifications@connexis.org.nz if you wish to suggest changes to the content of this unit standard.