

## Demonstrate knowledge of water use and quality, and related land use issues in primary production

**Level** 3

**Credits** 5

**Purpose** People credited with this unit standard are able to: describe restrictions on land and water use by primary producers; and describe water quality, and ground and surface movement problems associated with agricultural and horticultural land use.

**Subfield** Agriculture

**Domain** General Agriculture

**Status** Registered

**Status date** 20 May 2008

**Date version published** 20 May 2008

**Planned review date** 31 December 2013

**Entry information** Open.

**Replacement information** This unit standard and unit standard 19141 replaced unit standard 51.

**Accreditation** Evaluation of documentation and visit by NZQA, industry and teaching professional in the same field from another provider.

**Standard setting body (SSB)** Primary Industry Training Organisation

**Accreditation and Moderation Action Plan (AMAP) reference** 0052

This AMAP can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

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### Special notes

- 1 Legislation and regulatory requirements relevant to this unit standard include – the Resource Management Act 1991, and its subsequent amendments; and local and regional Council by-laws.
- 2 *Best management practices* refer to the practices described in the *Code of Practice for Nutrient Management*, New Zealand Fertiliser Manufacturer's Research Association Incorporated (NZFMRA), 2007, available from <http://www.fertresearch.org.nz>.

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## Elements and performance criteria

### Element 1

Describe restrictions on land and water use by primary producers.

#### Performance criteria

- 1.1 Local and regional council requirements and procedures are outlined.
- 1.2 Levels of constraint within the Resource Management Act 1991 are described including an outline of controls at each level.
- 1.3 Water Consents and Discharge Consents are described in terms of their requirements and procedures.

### Element 2

Describe water quality, and ground and surface movement problems associated with agricultural and horticultural land use.

#### Performance criteria

- 2.1 Water quality, and ground and surface movement problems associated with agricultural and horticultural land use are described in terms of the causes and consequences.  
  
Range water sources and use, water tables and drainage, water impurities and contamination, soil, topography and land use.
- 2.2 Methods for minimising problems of water quality, and ground and surface movement as they relate to agricultural or horticultural land use are described in accordance with best management practices.  
  
Range nutrient management techniques, animal grazing techniques, effluent disposal systems, irrigation techniques, managing hard water.

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### Please note

Providers must be accredited by NZQA, or an inter-institutional body with delegated authority for quality assurance, before they can report credits from assessment against unit standards or deliver courses of study leading to that assessment.

Industry Training Organisations must be accredited by NZQA before they can register credits from assessment against unit standards.

Accredited providers and Industry Training Organisations assessing against unit standards must engage with the moderation system that applies to those standards.

Accreditation requirements and an outline of the moderation system that applies to this standard are outlined in the Accreditation and Moderation Action Plan (AMAP). The AMAP also includes useful information about special requirements for organisations wishing to develop education and training programmes, such as minimum qualifications for tutors and assessors, and special resource requirements.

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**Comments on this unit standard**

Please contact the Primary Industry Training Organisation [standards@primaryito.ac.nz](mailto:standards@primaryito.ac.nz) if you wish to suggest changes to the content of this unit standard.