

Demonstrate an awareness of environmental best practice in the aquaculture industry

Level 3

Credits 5

Purpose People credited with this unit standard are able to: describe the principles used in the aquaculture industry to minimise the effect to the environment; outline the effects and the practices used to minimise the impact of the aquaculture industry on the environment; and carry out best practices to minimise the effect on the environment.

Subfield Seafood

Domain Aquaculture

Status Registered

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Entry information Open.

Accreditation Evaluation of documentation and visit by NZQA and industry.

Standard setting body (SSB) Primary Industry Training Organisation

Accreditation and Moderation Action Plan (AMAP) reference 0123

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

Special notes

- 1 Definition
Legislative requirements may include but are not limited to – Resource Management Act 1991; Freshwater Fish Farming Regulations 1983; Marine Mammals Protection Act 1978; Fisheries Act 1996.
- 2 All work practices must meet documented company safety requirements. The documented company safety requirements must meet the obligations of the Health and Safety in Employment Act 1992 and their subsequent amendments.

Elements and performance criteria

Element 1

Describe the principles used in the aquaculture industry to minimise the effect to the environment.

Performance criteria

- 1.1 The description outlines why the aquaculture industry is required to use practices and methods for achieving long-term environmental sustainability.
- 1.2 The description outlines how good farming practices will minimise the effect on the environment.
- 1.3 The description outlines the legislative requirements that apply to the environment.

Range may include but is not limited to – Resource Management Act 1991; Freshwater Fish Farming Regulations 1983; Marine Mammals Protection Act 1978; Fisheries Act 1996; evidence is required for two.

Element 2

Outline the effects and the practices used to minimise the impact of the aquaculture industry on the environment.

Performance criteria

- 2.1 Aquaculture industry activities and the effect of each activity are identified.

Range activities may include but are not limited to – establishment of farms, use of boats, spat catching activities, seeding, feeding, harvesting, vessel maintenance, farm maintenance, use of marinas, occupation of space, therapeutics; evidence is required for five activities.
- 2.2 Aquaculture industry practices that minimise the effect on the environment for each of the selected activities are identified.

Range practices may include but are not limited to – farm design, equipment design, maintenance schedules, noise, lighting, visual impact, waste management, recycling, biosecurity, chemical and fuel use and storage, energy use, contingency plans, feed.

Element 3

Carry out best practices to minimise the effect on the environment.

Performance criteria

- 3.1 Practices that minimise the effect on the environment are applied in the workplace.
- 3.2 Practices that avoid pollution to the environment are applied in the workplace.
- 3.3 The actions to take if an event occurs that causes adverse effect to the environment are described.

Range may include but is not limited to – retrieval of non-biodegradable materials, spills and leaks, re-positioning of anchors, reporting of line breaks, spread of exotic organisms and notifiable diseases.

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.

Comments on this unit standard

Please contact the Primary Industry Training Organisation standards@primaryto.ac.nz if you wish to suggest changes to the content of this unit standard.