

<b>Title</b>	<b>Describe, and apply in the workplace, environmental best practice in the aquaculture industry</b>		
<b>Level</b>	<b>3</b>	<b>Credits</b>	<b>5</b>

<b>Purpose</b>	People credited with this unit standard are able to describe: environmental sustainability in the aquaculture industry; the effects and the practices used to minimise the impact of the aquaculture industry on the environment and actions to take if an adverse effect occurs; and, apply best practices in the workplace to minimise the effect of the aquaculture industry on the environment.
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<b>Classification</b>	Seafood > Aquaculture
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<b>Available grade</b>	Achieved
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### Guidance Information

- 1 Legislative requirements may include but are not limited to:
  - Fisheries Act 1996;
  - Freshwater Fish Farming Regulations 1983;
  - Health and Safety at Work Act 2015;
  - Marine Mammals Protection Act 1978;
  - Resource Management Act 1991 and any subsequent amendments
- 2 Definition
 

*Company requirements* refer to instructions to staff on policy and procedures which are communicated in verbal or written form. These requirements may include but are not limited to – manufacturer's' instructions, company safety requirements, throughput, and industry codes of practice and standards. Company requirements must include legislative requirements.
- 3 All evidence presented in this unit standard must be in accordance with company requirements.

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### Outcomes and performance criteria

#### Outcome 1

Describe environmental sustainability in the aquaculture industry.

**Performance criteria**

- 1.1 Describe why the aquaculture industry is required to use practices and methods to achieve long-term environmental sustainability.
- 1.2 Describe how good farming practices will minimise the impact on the environment.
- 1.3 Describe 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 of two is required.

**Outcome 2**

Describe the effects and the practices used to minimise the impact of the aquaculture industry on the environment and actions to take if an adverse effect occurs.

**Performance criteria**

- 2.1 Describe aquaculture industry activities in terms of their effect on the environment.

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 of five activities is required.

- 2.2 Describe aquaculture industry practices that minimise the effect on the environment for each of the selected activities.

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; evidence of five practices is required.

- 2.3 Describe the actions to take if an event occurs that causes adverse effects to the environment.

Range retrieval of non-biodegradable materials, spills and leaks, re-positioning of anchors, reporting of line breaks, spread of exotic organisms and notifiable diseases.

**Outcome 3**

Apply best practices in the workplace to minimise the effect of the aquaculture industry on the environment.

**Performance criteria**

- 3.1 Apply best practices in the workplace that minimise the effect on the environment.
- 3.2 Apply best practices in the workplace that avoid pollution to the environment.

<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	25 February 2003	31 December 2024
Revision	2	27 October 2006	31 December 2024
Review	3	12 December 2008	31 December 2024
Review	4	28 October 2021	N/A
Rollover	5	29 February 2024	N/A

<b>Consent and Moderation Requirements (CMR) reference</b>	0123
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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 the Muka Tangata - People, Food and Fibre Workforce Development Council [qualifications@mukatangata.nz](mailto:qualifications@mukatangata.nz) if you wish to suggest changes to the content of this unit standard.