

## Outline the abalone (pāua) farming industry in New Zealand

**Level** 2

**Credits** 10

**Purpose** People credited with this unit standard are able to: demonstrate basic knowledge of abalone (pāua); describe the basic living requirements of farmed abalone; describe abalone farm procedures; describe the abalone farming industry structure and size in New Zealand; and describe the consumer products and consumer markets for the abalone.

**Subfield** Seafood

**Domain** Aquaculture

**Status** Registered

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**Entry information** Open.

**Accreditation** Evaluation of documentation 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>.

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### Special notes

#### 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 - manufacturers' procedures, company safety procedures, legislative requirements, industry codes of practice and standards.

## Elements and performance criteria

### Element 1

Demonstrate basic knowledge of abalone.

#### Performance criteria

- 1.1 The distinguishing features and the common names of the New Zealand abalone species are stated.
- 1.2 The distinguishing feature of male and female farmed abalone is outlined.
- 1.3 The description includes the consequences of damaging abalone flesh.
- 1.4 Description includes an understanding of the harvest size of farmed and wild caught abalone.
- 1.5 Signs of stress in abalone are outlined.  
  
Range evidence is required for three signs.

### Element 2

Describe the basic living requirements of farmed abalone.

#### Performance criteria

- 2.1 The description outlines water quality requirements for farmed abalone.
- 2.2 The description outlines the food requirements for farmed abalone in accordance with company requirements.
- 2.3 The description outlines the tank and habitat requirements for farmed abalone in accordance with company requirements.

### Element 3

Describe abalone farm procedures.

#### Performance criteria

- 3.1 The description outlines the procedures required for ensuring the safety of employees in accordance with company requirements.  
  
Range may include but is not limited to – footwear, clothing, hair restraints, electrical isolation procedures.

- 3.2 The description outlines the animal husbandry procedures required on an abalone farm in accordance with company requirements.
- Range feeding, cleaning, handling, system maintenance, external environmental factors (lighting and vibration).
- 3.3 The description outlines the basic procedures used to monitor and maintain water flow and water quality for an abalone farm in accordance with company requirements.

#### **Element 4**

Describe the abalone farming industry structure and size in New Zealand.

#### **Performance criteria**

- 4.1 The description outlines organisations in terms of their role in the abalone farming industry.
- Range may include but not limited to – the Ministry of Fisheries (MFish), District and Regional Councils, the New Zealand Abalone Farmers Association, Paua Industry Council.
- 4.2 The description identifies the tonnage of annual abalone production and the percentage for export.
- 4.3 The description identifies the export returns of the annual abalone production.

#### **Element 5**

Describe the consumer products and consumer markets for farmed abalone.

#### **Performance criteria**

- 5.1 The description identifies farmed abalone products on the consumer market.
- 5.2 The description identifies consumer markets for farmed abalone.

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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 at [standards@primaryito.ac.nz](mailto:standards@primaryito.ac.nz) if you wish to suggest changes to the content of this unit standard.