

<b>Title</b>	<b>Describe Pacific oyster (tio) farming industry in New Zealand</b>		
<b>Level</b>	<b>3</b>	<b>Credits</b>	<b>10</b>

<b>Purpose</b>	People credited with this unit standard are able to describe: Pacific oysters (tio); the history of the oyster (tio) farming industry in New Zealand; where Pacific oyster (tio) farming occurs in New Zealand and why farming occurs in these locations; the methods of Pacific oyster (tio) farming in New Zealand; the Pacific oyster (tio) industry structure in New Zealand; and consumer products and consumer markets for Pacific oyster (tio) grown in New Zealand.
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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 Definitions

*Inter-tidal oyster (tio) farm* refers to a marine farm which is covered at high tide and uncovered at low tide.

*Sub-tidal oyster (tio) farm* refers to a marine farm that cultures Pacific oysters (tio) on a sub-tidal structure similar to a mussel long-line.

#### 2 Volumes of annual production are available from Seafood New Zealand Ltd,

<https://seafood.org.nz/>; or Aquaculture New Zealand Ltd,

<https://www.aquaculture.org.nz/>.

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### Outcomes and performance criteria

#### Outcome 1

Describe Pacific oysters (tio).

#### Performance criteria

1.1 Describe Pacific oysters (tio) by their scientific name and their appearance.

1.2 Describe the features that distinguish Pacific oysters (tio) from other oyster (tio) species.

#### Outcome 2

Describe the history of the oyster (tio) farming industry in New Zealand.

**Performance criteria**

- 2.1 Describe the chronological history, location, and method of farming of the native rock oyster (tio).
- 2.2 Describe the history of the introduction of Pacific oyster (tio) to New Zealand.
- Range when, where, how, geographical distribution through time, coexistence with the native rock oyster (tio) population.
- 2.3 Describe the history of the establishment of Pacific oyster (tio) farming in terms of the reasons why it replaced native rock oyster (tio) farming.

**Outcome 3**

Describe where Pacific oyster (tio) farming occurs in New Zealand and why farming occurs in these locations.

**Performance criteria**

- 3.1 Describe and locate five major Pacific oyster (tio) farming areas in New Zealand on a map.
- 3.2 Describe why oyster (tio) farming occurs in these locations.
- Range evidence for two reasons is required.

**Outcome 4**

Describe the methods of Pacific oyster (tio) farming in New Zealand.

**Performance criteria**

- 4.1 Describe oyster (tio) spat-catching methods in terms of where, when, and how spat is obtained, cultch materials used and spat-catching areas.
- 4.2 Describe the physical structure of an inter-tidal Pacific oyster (tio) farm in terms of materials used in construction, design and lay-out of racks, and positioning.
- 4.3 Describe methods of farming on an inter-tidal Pacific oyster (tio) farm in terms of stick culture, single seed (cultch less) culture, harvest method, washing, and culling and grading.
- 4.4 Describe the physical structure of a sub-tidal oyster (tio) farm in terms of siting of farm, materials used, and design and lay-out of lines.
- 4.5 Describe sub-tidal culture methods in terms of containment methods, harvest methods, washing, and culling and grading.

**Outcome 5**

Describe the Pacific oyster (tio) industry structure in New Zealand.

**Performance criteria**

5.1 Describe the size of the Pacific oyster (tio) industry in terms of volume of annual production.

5.2 Describe the structure of Pacific oyster (tio) farming industry in terms of enterprise size.

5.3 Describe participants in the Pacific oyster (tio) industry, other than oyster (tio) farmers, in terms of their roles in the oyster (tio) industry value chain.

Range suppliers, processors, distributors, retailers and consumers, Ministry for Primary Industries, regional councils, Seafood New Zealand Ltd, Aquaculture New Zealand Ltd, New Zealand Oyster Industry Association.

**Outcome 6**

Describe consumer products and consumer markets for Pacific oyster (tio) grown in New Zealand.

**Performance criteria**

6.1 Describe consumer products for Pacific oyster (tio).

Range evidence for three products is required.

6.2 Describe Pacific oyster (tio) on the local and export consumer markets.

Range evidence to include – two countries that are major export markets, the geographical area where most oysters are sold on the local market, and three types of retail outlet for oysters on the local market.

<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	21 May 1999	31 December 2024
Review	2	25 February 2003	31 December 2024
Review	3	17 October 2008	31 December 2024
Review	4	28 October 2021	N/A

Process	Version	Date	Last Date for Assessment
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>.

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### 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.