

Title	Describe the salmon farming industry in New Zealand and worldwide		
Level	2	Credits	10

Purpose	People credited with this unit standard are able to describe: the salmon (salmonid) species that are farmed in New Zealand and worldwide; the location and history of farmed salmon (salmonids); products and markets for salmon farmed in New Zealand and worldwide; the systems for farming salmon in New Zealand; the life cycle of farmed salmon; the issues facing salmon farming in New Zealand.
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Classification	Seafood > Aquaculture
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Available grade	Achieved
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Guidance Information

None.

Outcomes and performance criteria

Outcome 1

Describe the salmon (salmonid) species that are farmed in New Zealand and worldwide.

Performance criteria

1.1 Describe the major species of salmon (salmonid) in terms of those that are farmed in New Zealand.

1.2 Describe the major species of salmon (salmonid) in terms of those that are farmed worldwide.

Range atlantic, coho, rainbow trout, brown trout, chinook.

1.3 Identify and name the salmon (salmonid) species in terms of their common name.

Range chinook, rainbow trout, atlantic, coho, brown trout.

Outcome 2

Describe the location and history of farmed salmon (salmonids).

Performance criteria

- 2.1 Describe salmon (salmonids) in terms of their history of salmon (salmonids) in New Zealand.
- Range origin, time and location of introduction to New Zealand, reasons for its introduction; evidence of one species is required.
- 2.2 Describe salmon farming in terms of the location and time it became established in New Zealand.
- 2.3 Describe salmon farming in terms of the reasons for farming salmon in New Zealand.
- Range evidence of three reasons is required.
- 2.4 Describe salmon farms in terms of their location of salmon farmed in New Zealand and worldwide.
- Range New Zealand freshwater, New Zealand seawater, worldwide; evidence of two locations for each range item is required.

Outcome 3

Describe products and markets for salmon farmed in New Zealand and worldwide.

Performance criteria

- 3.1 Describe salmon in terms of the major markets for New Zealand and other worldwide farmed salmon.
- Range evidence of two markets is required for New Zealand and worldwide is required.
- 3.2 Identify salmon in terms of the types of products it is sold as.
- Range may include but is not limited to – fresh and frozen, whole fish, fillets, cold smoked, hot smoked, kebabs, steaks, sausages; evidence of five types of products is required.
- 3.3 Compare the size and value of the New Zealand farmed chinook salmon market, with at least one other international salmon market.

Outcome 4

Describe the systems for farming salmon in New Zealand.

Performance criteria

4.1 Describe the systems used for freshwater farming of salmon in New Zealand in terms of the benefits and limitations of these.

Range evidence for two systems, two benefits, and two limitations is required.

4.2 Describe the systems of saltwater farming of salmon in New Zealand in terms of the benefits and limitations.

Range evidence for two systems, two benefits, and two limitations is required.

Outcome 5

Describe the life cycle of farmed salmon.

Range eggs, alevins, fry, parr, smolt, adult, mature adult.

Performance criteria

5.1 Describe farmed salmon in terms of their life cycle stages.

5.2 Describe salmon in terms of how each life cycle stage is farmed.

Range evidence of one farming method for each life cycle stage is required.

Outcome 6

Describe the issues facing salmon farming in New Zealand.

Performance criteria

6.1 Describe salmon farming in terms of the major issues facing the salmon farming industry and their potential effects.

Range may include but is not limited to – environmental, diseases and parasites, predators, escapees, biological contamination, breeding programmes, legislation, availability of feed raw materials; evidence of three issues is required.

Planned review date	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 March 2003	31 December 2024
Review	2	25 February 2008	31 December 2024
Review	3	28 October 2021	N/A
Rollover	4	29 February 2024	N/A

Consent and Moderation Requirements (CMR) reference

0123

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 if you wish to suggest changes to the content of this unit standard.