

Outline the salmon farming industry in New Zealand and worldwide

Level 2

Credits 10

Purpose People credited with this unit standard are able to: identify the salmon (salmonid) species that are farmed in New Zealand and worldwide; outline the location and history of farmed salmon (salmonids); describe products and markets for salmon farmed in New Zealand and worldwide; describe the systems for farming salmon in New Zealand; describe the life cycle of farmed salmon; describe the issues facing salmon farming in New Zealand.

Subfield Seafood

Domain Aquaculture

Status Registered

Status date 25 February 2008

Date version published 25 February 2008

Planned review date 31 December 2012

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>.

Special notes

Definitions

company requirements refer to instructions to staff on policy and procedures that are communicated in an oral or in written form. These requirements must include legislation and safety requirements and may include but are not limited to – manufacturer's procedures and industry codes of practice and standards;

local market refers to the domestic market in New Zealand.

Elements and performance criteria

Element 1

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

Performance criteria

- 1.1 The description includes the major species of salmon (salmonid) that are farmed in New Zealand.
- 1.2 The description includes the major species of salmon (salmonid) that are farmed worldwide.
- Range atlantic, coho, rainbow trout, brown trout, chinook.
- 1.3 The salmon (salmonid) species are identified and named by their common name.
- Range chinook, rainbow trout, atlantic, coho, brown trout.

Element 2

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

Performance criteria

- 2.1 The description includes an outline of the history of salmon (salmonids) in New Zealand.
- Range origin, time and location of introduction to New Zealand, reasons for its introduction.
Evidence is required for one species.
- 2.2 The description includes the location and time salmon farming became established in New Zealand.
- 2.3 The description includes the reasons for farming salmon in New Zealand.
- Range evidence of three reasons is required.
- 2.4 The description includes the 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.

Element 3

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

Performance criteria

- 3.1 The description identifies the major markets for New Zealand and other worldwide farmed salmon.
- Range evidence of two markets is required for New Zealand and worldwide.
- 3.2 The description identifies the types of product salmon is sold as.
- Range may include but not limited to – fresh and frozen, whole fish, fillets, cold smoked, hot smoked, kebabs, steaks, sausages.
Evidence is required for five types of product.
- 3.3 The description compares the size and value of the New Zealand farmed chinook salmon market, with at least one other international salmon market.

Element 4

Describe the systems for farming salmon in New Zealand.

Performance criteria

- 4.1 The description includes the systems used for freshwater farming of salmon in New Zealand and the benefits and limitations of these.
- Range evidence is required for two systems, two benefits, and two limitations.
- 4.2 The description includes the systems of salt water farming of salmon in New Zealand.
- Range evidence is required for two systems, two benefits, and two limitations.

Element 5

Describe the life cycle of farmed salmon.

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

Performance criteria

- 5.1 The description includes a brief outline of the life cycle stages of farmed salmon.

- 5.2 The description includes an outline of how each life cycle stage is farmed.
- Range evidence of one farming method for each life cycle stage is required.

Element 6

Describe the issues facing salmon farming in New Zealand.

Performance criteria

- 6.1 The description includes a brief outline 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.

Please note

Providers must be accredited by the Qualifications Authority, 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 the Qualifications Authority 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.

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 sitostandards@primaryito.ac.nz if you wish to suggest changes to the content of this unit standard.