

Program the AQ1 system and interpret AQPC data for salmon feeding

Level 4

Credits 10

Purpose People credited with this unit standard are able to carry out routine programming of the AQ1 system and interpret AQPC feeding graphs and take corrective action.

Subfield Seafood

Domain Aquaculture

Status Registered

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Entry information Open.

Accreditation Evaluation of documentation and visit 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 written form. These requirements must include legislation and safety requirements, and may include but are not limited to, manufacturers' instructions, industry codes of practice and standards.

AQ1 unit refers to the AQ1 controller and automatic feeder – the 'white box' that controls the AQ1 feeding system.

AQPC refers to the AQ1 personal computer. This computer records and analyses all of the data generated by the AQ1 units.

Elements and performance criteria

Element 1

Carry out routine programming of the AQ1 system.

Performance criteria

- 1.1 The description includes an explanation of the AQ1 system and AQPC settings.
- | | |
|-------|--|
| Range | minimum and maximum pause, minimum and maximum feed, minimum and maximum sleep, gain, low and high sense, hi repeat, sink rate, spin rate. |
|-------|--|
- 1.2 The description includes an outline of the communications function of the AQ1 system.
- 1.3 The description includes an outline of the faultfinding sequence with AQ1 system communication problems.
- 1.4 An AQ1 unit is allocated to a group of fish in accordance with company requirements.
- 1.5 An AQ1 unit is programmed with the type and numbers of feeders in accordance with company requirements.
- 1.6 AQ1 system settings for are adjusted to meet required feed rates.

Element 2

Interpret AQPC feeding graphs and take corrective action.

Performance criteria

- 2.1 AQPC graphs are interpreted in terms of feeder and pellet versus time.
- 2.2 Irregularities are identified, corrective action is taken and possible causes explained in accordance with company 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 standards@primaryito.ac.nz if you wish to suggest changes to the content of this unit standard.