

Build an inter-tidal oyster (tio) farm to a specified design

Level 3

Credits 12

Purpose This unit standard is for people who intend to build, or have built, an inter-tidal oyster (tio) farm to a specified design.

People credited with this unit standard are able to: position rows on an inter-tidal oyster (tio) farm site; put in posts on an inter-tidal oyster (tio) farm; attach rails or line to form oyster (tio) inter-tidal growing racks; and describe the ecological factors that impact on oyster (tio) farm site selection.

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

1 Definitions

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.

Specified design refers to a pre-determined design written or orally communicated to the builder.

- 2 Safe working practices meet the obligations of the Health and Safety in Employment Act 1992 and its subsequent amendments. This includes practices such as the correct use and storage of tools, safe lifting, protection from the sun, and correct use of protective clothing and equipment.
- 3 Regulatory requirements include but are not limited to - the Animal Products Act 1999.

Elements and performance criteria

Element 1

Position rows on an inter-tidal oyster (tio) farm site.

Performance criteria

- 1.1 Position of rows with respect to site boundaries meets company requirements and specified design.
- 1.2 Rows are of a height, length, orientation, and spacing consistent with company requirements and specified design.

Range environmental conditions and farming methods.

Element 2

Put in posts on an inter-tidal oyster (tio) farm.

Performance criteria

- 2.1 Posts are put in according to company requirements and specified design.

Range consistency of height, angle of posts with respect to the ground, spacing between the posts on the same side of a rack, spacing of posts with respect to posts on the other side of the rack, the orientation of the faces of posts with respect to the direction of the rails, the firmness with which the posts are held in the ground.
- 2.2 Company throughput requirements are met.
- 2.3 Safe work practices are used in accordance with company requirements.
- 2.4 Tools and equipment are maintained after use according to company requirements.

Range cleaning, lubricating, rust-proofing.

Element 3

Attach rails or line to form oyster (tio) inter-tidal growing racks.

Performance criteria

- 3.1 Attachment of rails or line to posts meets company requirements and specified design.
- Range position of rails or line on posts, method of attachment, firmness of attachment.
- 3.2 Joints in rail planks meet company requirements and specified design.
- Range method of joining, firmness of attachment.
- 3.3 Company throughput requirements are met.
- 3.4 Safe work practices are used in accordance with company requirements.

Element 4

Describe the ecological factors that impact on oyster (tio) farm site selection.

Performance criteria

- 4.1 Factors influencing farm position and orientation are described.
- Range may include but not limited to - nutrient flows, wind direction.
- 4.2 Factors influencing farm height selection are described.
- Range optimum growing level, parasitic infestation, siltation level, neap tide height.
- 4.3 Tides and tidal patterns are described in terms of spring and neap tides, and their effects on day-to-day farming activities.
- 4.4 The causes of spring and neap tides are described.

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.