

Title	Describe and operate an oyster (tio) barge on inner harbour limits		
Level	3	Credits	10

Purpose	People credited with this unit standard are able to: load a barge to transport oysters (tio); describe the operation and maintenance of an oyster (tio) barge; manoeuvre an oyster (tio) barge; and describe safety procedures and actions taken in emergency situations on an oyster (tio) barge.
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Classification	Seafood > Aquaculture
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Available grade	Achieved
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Guidance Information

- Legislation relevant to this unit standard includes but is not limited to:
 - Animal Products Act 1999;
 - Health and Safety at Work Act 2015;
 - and any subsequent amendments.
- Definition
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' instructions, company safety requirements, throughput and industry codes of practice, standards and safe operating plans. Company requirements must meet legislative requirements.
- All evidence presented in this unit standard must be in accordance with company requirements.

Outcomes and performance criteria

Outcome 1

Load a barge to transport oysters (tio).

Performance criteria

- Establish weight of load does not exceed the company requirements with respect to safe limits for the vessel for the weather conditions.

 Range current and forecasted weather conditions.

1.2 Distribute the load safely and securely.

Range stability, visibility, trim.

1.3 Stow oysters (tio) to meet regulatory requirements with regard to shellfish sanitation and avoiding cross contamination.

Outcome 2

Describe the operation and maintenance of an oyster (tio) barge.

Performance criteria

2.1 Describe how the fuel is stowed.

2.2 Describe safe operating procedures.

2.3 Identify any abnormal function of the oyster (tio) barge, and describe the action to take.

2.4 Describe the maintenance requirements of the oyster (tio) barge.

2.5 Describe the documentation requirements.

Outcome 3

Manoeuvre an oyster (tio) barge.

Performance criteria

3.1 Manoeuvre the barge and in a manner that maintains the safety of the craft, its passengers, and load.

3.2 Select a course to the destination which allows for the effect of the tide and weather conditions and avoids identified hazards.

3.3 Manoeuvre the barge between the rows of an oyster (tio) farm by moving ahead and moving astern without damage to the rows, sticks, grow-out units, or barge.

3.4 Secure the barge between oyster (tio) racks, in open water, and at overnight anchorage, without causing damage to the barge or other structures or vessels.

Range may include – mooring, anchor, 'spud' poles;
evidence is required for one method of securing the barge in each location.

3.5 Undertake towing of other vessels using towlines and fittings, without damage to vessels, equipment, or structures.

Outcome 4

Describe safety procedures and actions taken in emergency situations on an oyster (tio) barge.

Performance criteria

4.1 Describe the safety equipment required on the oyster (tio) barge.

Range storage, maintenance.

4.2 Describe actions required to maintain the safety of personnel and the barge in emergency situations.

Range fire, 'man overboard', hypothermia, equipment breakdown, capsized, collision, hull damage, grounding.

4.3 Describe distress-signalling techniques that meet the requirements and limitations of the emergency situation and equipment on board the barge.

Range may include – hand signals, telephone, flares, radio, Emergency Position Indicating Radio Beacons.

4.4 Describe the actions to be taken and the reporting procedures after an accident has occurred.

4.5 Describe the responses to distress situations occurring on other crafts that are appropriate to the capabilities of the barge, its equipment, and the personnel on board.

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	18 December 1996	31 December 2024
Review	2	21 May 1999	31 December 2024
Review	3	25 February 2003	31 December 2024
Review	4	17 October 2008	31 December 2024
Review	5	28 October 2021	N/A
Rollover	6	29 February 2024	N/A
Revision	7	29 August 2024	N/A

Consent and Moderation Requirements (CMR) reference	0123
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

Comments on this unit standard

Please contact 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.