



Australian Government

SFIAQU203 Manipulate stock culture environment

Release: 2

SFIAQU203 Manipulate stock culture environment

Modification History

Release	Comments
Release 2	This version released with SFI Seafood Industry Training Package Version 2.0.
Release 1	This version released with SFI Seafood Industry Training Package Version 1.0.

Application

This unit of competency describes the skills and knowledge required to manipulate the stock culture environment to optimise growing or holding conditions.

The unit applies to individuals who carry out routine tasks relating to culture or holding environments in an aquaculture facility under the guidance of a supervisor.

All work must be carried out to comply with workplace procedures, according to state/territory health and safety, food safety, biosecurity and environmental regulations, legislation and standards that apply to the workplace. Licences may be required if operating load-shifting equipment, vehicles or vessels.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Nil

Unit Sector

Aquaculture (AQU)

Elements and Performance Criteria

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Prepare for manipulation of culture	1.1 Confirm with supervisor water quality parameter to be adjusted 1.2 Collect required water treatment materials, equipment and

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
or holding environment	personal protective equipment, and check for serviceability 1.3 Observe water and environmental conditions that could adversely impact stock, and report to supervisor
2. Manipulate culture or holding environment	2.1 Apply water treatment safely and in accordance with work health and safety (WHS), food safety, biosecurity and environmental regulations, stock requirements and supervisor instructions 2.2 Observe stock behaviour and use work practices that minimise stock stress and damage 2.3 Check water parameters manipulated against stock requirements
3. Complete activities after the environment has been manipulated	3.1 Clean work area and dispose of waste materials safely according to workplace procedures 3.2 Check and store tools and equipment, reporting any identified repair requirements to supervisor 3.3 Record relevant data and observations, and report any abnormal records to supervisor

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential for performance in this unit of competency but are not explicit in the performance criteria.

Skill	Description
Reading	Interprets key information in work instructions and relevant workplace procedures
Writing	Completes workplace records legibly and accurately
Numeracy	Measures parameters being adjusted
Oral communication	- Asks questions to clarify job requirements - Describes abnormal records, stock behaviour or environmental conditions to supervisor using correct terminology
Interact with others	Follows accepted practices and protocols for reporting issues to supervisors
Get the work done	Plans routine tasks and seeks guidance when plans are interrupted,

Skill	Description
	circumstances change or resources are not available

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
SFIAQU203 Manipulate stock culture environment Release 2	SFIAQUA203 Manipulate stock culture environment Release 1	Minor update to performance criteria and performance evidence for clarity	Equivalent

Links

Companion Volumes, including Implementation Guides, are available at VETNet: -
<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=e31d8c6b-1608-4d77-9f71-9ee749456273>

Assessment Requirements for SFIAQU203 Manipulate stock culture environment

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Performance Evidence

An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.

There must be evidence that the individual has manipulated the stock culture environment on at least one occasion, including:

- communicating with and reporting to supervisor on manipulating the stock culture environment
- preparing and safely applying basic water treatment using appropriate water treatment materials, equipment and personal protective equipment
- monitoring culture and holding environments to ensure optimal conditions for rearing stock, while adhering to workplace health and safety, food safety, biosecurity and environmental regulations
- completing accurate observation records to demonstrate compliance with workplace procedures
- cleaning up work area and storing tools and equipment after environment manipulation activities.

Knowledge Evidence

An individual must be able to demonstrate the knowledge required to perform the tasks outlined in the elements and performance criteria of this unit. This includes knowledge of:

- use and purpose of basic water quality tests
- features of basic water quality and environmental factors that can impact stock
- effects of water and culture conditions on stock
- key characteristics of normal and abnormal stock behaviour
- methods and techniques for manipulating stock culture or holding environments
- main reasons for manipulating the stock culture environment

- safe work practices and biosecurity measures used when manipulating stock culture and holding environments.

Assessment Conditions

Assessment of the skills in this unit of competency must take place under the following conditions:

- physical conditions:
 - skills must be demonstrated in an aquaculture workplace setting or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - basic water treatment materials and equipment for manipulating stock culture environment
 - personal protective equipment
 - culture or holding structures containing stock
 - data or recording sheets
- specifications:
 - work instructions and workplace procedures for manipulating stock culture environments
- relationships:
 - evidence of interactions with supervisor.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

Links

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