

LANAqu34 SQA Unit Code HC1D 04

Plan and manage fish/shellfish hatchery production



Overview

This standard is about planning and managing fish/shellfish hatchery operations to achieve planned production.

It requires that work is completed in accordance with site standard operating procedures.

This standard is for those who plan and manage fish/shellfish production in a hatchery.

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Performance criteria

You must be able to:

- P1 implement procedures to ensure a healthy, safe and secure working environment
- P2 plan **hatchery activities** to achieve planned production targets
- P3 plan the **resources** required to support the required fish/shellfish hatchery production
- P4 develop procedures to maintain a safe and secure environment for fish/shellfish
- P5 manage the control of environmental conditions required to support the development of healthy stock and meet **planned production** targets
- P6 establish regimes to effectively support planned hatchery production
- P7 ensure regimes maintain the health and welfare of **hatchery stock**
- P8 develop procedures to deal with **emergencies** and other factors likely to disrupt hatchery activities
- P9 develop systems to effectively monitor conditions within the hatchery and maintain the security of hatchery stock
- P10 develop procedures to manage hygiene and bio-security
- P11 manage the implementation of hatchery production
- P12 evaluate the success of hatchery production
- P13 manage hatchery records in accordance with legal requirements and site procedures

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Knowledge and understanding

You need to know and understand:

- K1 relevant legal and organisational requirements for health, safety and security associated with fish/shellfish hatchery production
- K2 hatchery production characteristics
- K3 methods of determining production capacity for hatchery
- K4 optimum stocking levels for the available holding facilities
- K5 fish/shellfish health and welfare requirements associated with hatchery stock
- K6 factors likely to disrupt production
- K7 effective hatchery production procedures
- K8 the environmental conditions required for hatchery stock and how these are controlled in the hatchery
- K9 the legal requirements that control the movement of eggs and fish/shellfish
- K10 the importance of hygiene and bio-security in the hatchery environment
- K11 legal controls on the discharge of waste from hatcheries
- K12 how to assess the viability of hatchery stock
- K13 emergency procedures and their application in maintaining hatchery production
- K14 methods used to evaluate the success of hatchery production
- K15 legal requirements and site procedures for the management of hatchery records

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Glossary

emergencies – malfunction of equipment, variations in water supply, variations in water quality, problems with fish health

hatchery activities – feeding, hygiene, removing mortalities, health treatments, grading

hatchery stock – eggs, juveniles

planned production – anticipated production based on historical data and testing

resources – people, equipment, water supply, feed, energy

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