

## 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.

## Performance criteria

You must be able to:

1. implement procedures to ensure a healthy, safe and secure working environment
2. plan **hatchery activities** to achieve planned production targets
3. plan the **resources** required to support the required fish/shellfish hatchery production
4. develop procedures to maintain a safe and secure environment for fish/shellfish
5. manage the control of environmental conditions required to support the development of healthy stock and meet **planned production** targets
6. establish regimes to effectively support planned hatchery production
7. ensure regimes maintain the health and welfare of **hatchery stock**
8. develop procedures to deal with **emergencies** and other factors likely to disrupt hatchery activities
9. develop systems to effectively monitor conditions within the hatchery and maintain the security of hatchery stock
10. develop procedures to manage hygiene and bio-security
11. manage the implementation of hatchery production
12. evaluate the success of hatchery production
13. manage hatchery records in accordance with legal requirements and site procedures

## Knowledge and understanding

You need to know and understand:

1. relevant legal and organisational requirements for health, safety and security associated with fish/shellfish hatchery production
2. hatchery production characteristics
3. methods of determining production capacity for hatchery
4. optimum stocking levels for the available holding facilities
5. fish/shellfish health and welfare requirements associated with hatchery stock
6. factors likely to disrupt production
7. effective hatchery production procedures
8. the environmental conditions required for hatchery stock and how these are controlled in the hatchery
9. the legal requirements that control the movement of eggs and fish/shellfish
10. the importance of hygiene and bio-security in the hatchery environment
11. legal controls on the discharge of waste from hatcheries
12. how to assess the viability of hatchery stock
13. emergency procedures and their application in maintaining hatchery production
14. methods used to evaluate the success of hatchery production
15. legal requirements and site procedures for the management of hatchery records

## 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

## Plan and manage fish/shellfish hatchery production

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