

LANAqu31 SQA Unit Code HC19 04

Plan and manage spat collection



Overview

This standard is about planning and managing spat collection as part of shellfish production. ("Spat" is defined as young shellfish and shellfish seed).

This standard includes the ability to plan and manage the following activities:

- preparation of spat collectors
- deployment of spat collectors
- monitoring of spat collection
- retrieval of spat collectors
- handling and storage of spat

This standard is for those who plan and manage the collection of spat.

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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 spat collection **activities** to achieve **planned production** targets
- P3 plan the **resources** required to support the required spat collection activities
- P4 select **collection sites** to collect target species and take account of known environmental conditions
- P5 develop procedures to control the collection and retrieval of **viable shellfish spat**
- P6 develop procedures for the transport and storage of spat
- P7 ensure procedures maintain the welfare of spat
- P8 develop procedures to deal with known **factors** that could affect the implementation of the spat collection activities
- P9 develop procedures to manage hygiene and bio-security
- P10 manage the implementation of spat collection activities to achieve specified production requirements for spat
- P11 evaluate the success of spat collection activities
- P12 manage records of spat collection 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 the collection of shellfish spat
- K2 the life cycle stages of the shellfish being farmed
- K3 the times of year when shellfish, fouling and predator species spawn
- K4 the environmental conditions required to support successful spawning and spat collection
- K5 different methods used in the collection of spat
- K6 site selection, including relevant legal and environmental conditions
- K7 how fouling and predator species can impact on shellfish spat collection
- K8 the resource requirements for safe and effective spat collection
- K9 factors that can impact on the collection of spat
- K10 the welfare requirements of shellfish spat during collection and storage activities
- K11 methods used to evaluate the success of spat collection activities
- K12 legal requirements and site procedures for the management of spat collection records

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Scope/range

This standard requires that you plan and manage the following **activities**:

- 1 preparation of spat collectors
- 2 deployment of spat collectors
- 3 monitoring of spat collection
- 4 retrieval of spat collectors
- 5 handling and storage of spat

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Glossary

collection sites – areas where spat collectors have been established

factors – e.g. changes in environmental conditions, predator action, variations in spat fall

planned production – anticipated production based on historical data and testing

resources – equipment, personnel, time, materials

viable shellfish spat – spat that is likely to survive within a fish farm environment

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