

Case No: 2022-0596 Date of visit: 20/12/2022

Time spent on site: 1 hour Main Inspector:

Site No: FS1265 Site Name: St Abbs Marine Station (Finfish)
Business No: FB0554 Business Name: St Abbs Marine Station (Finfish)

Case Types: 1 ECI 2 CNI 3 4 5 6

Water Temp (°C): 8 Thermometer No: T147 FHI 045 completed N/A

Observations: Region: BO Water type: S CoGP MA: None

Dead/weak/abnormally behaving fish present? N If yes, see additional information/clinical score sheet.
Clinical signs of disease observed? N If yes, see additional information/clinical score sheet.
Gross pathology observed? N If yes, see additional information/clinical score sheet.
Diagnostic samples taken? N

UNI/REG only - if unable to carry out intended visit detail reason below:

**Additional Case Information:**

All stock caught locally and released locally. Wish to remain authorised as may move stock to other research facilities in future. Fish and shellfish site at same location.

No reported disease issues or increased mortalities. Some predation among crabs and lobsters.

Intake water is sand filtered so have never observed sea lice in the facility. Intake water can also be UV treated.

Morts are disposed of by freezing on site . Once capacity is reached in the freezer Rentokil Initial UK collect in yellow theatre bins offsite for incineration.

species list attached, includes wrasse, dab, gurnard, pollock, haddock and Coley

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Date of Visit: 20/12/2022

Inspector(s):

**Registration/Authorisation Details**

- 1. Business/site details summary checked by site representative?  Y
- 2. Changes made to details?  Y

**Site Details (include cleaner fish for all sections)**

Total No facilities	30	Facilities stocked	20	No facilities inspected	30
Species	attached				
Age group					
No Fish					
Mean Fish Wt					
Next Fallow Date (Site)	not fallowed	Next Input Date (Site)	Spring 2023		
Recent (last 4 wks) disease problems?		Any escapes (since last visit)?	N		N
If yes, detail:					

**Movement Records**

- 1. Movement records available for inspection?  Y
- 2. Date of last inspection: 12/12/2019
- 3. Are records complete and correctly entered?  Y
- 4. Are movement records available for dead fish and waste?  Y
- 5. Are records complete and correctly entered?  Y
- 6. Are health certificates for introductions (outwith GB) available?  N/A

**Transport Records**

- 1. Are any movements carried out by (or on behalf) of the business (not using a STB)?  Y
- If yes, is there a system in place for maintenance of transportation records?  Y

**Mortality Records**

- 1. Mortality records available for inspection?  Y
- 2. How are mortalities disposed of? Other (detail)  
 If other detail: Incinerated off site
- 3. Mortality records complete and correctly entered?  Y
- 4. Recent mortality (last 4 wks): no mortalities in last 4 weeks
- 5. Evidence of recent increased/atypical mortalities?  N  
 If yes, facility nos/no mortality per facility/no stock per facility/reason:
- 6. Any other peaks in mortality during period checked?  N  
 If yes, detail:
- 7. Have increased (unexplained) mortalities been reported to vet or FHI?  N/A  
 If yes, detail action:
- 8. Have 'mortality events' been reported to FHI? If no, enter details on mortality events sheet.  N/A

**Treatments and Medicines Records**

1. Recent treatments (see comment)?	<input type="checkbox"/>	N
If yes, detail: <input type="text"/>		
If other, detail: <input type="text"/>		
2. Medicines records available for inspection?	<input type="checkbox"/>	N/A
3. Are records complete and correctly entered?	<input type="checkbox"/>	
4. Are fish in a withdrawal period?	<input type="checkbox"/>	N
5. If yes, what treatment(s)?	<input type="text"/>	
If other, detail: <input type="text"/>		
6. Are medicines stored appropriately?	<input type="checkbox"/>	N/A

**Biosecurity Records**

1. Biosecurity records available for inspection?	<input type="checkbox"/>	Y
2. Has the manner and frequency of mortality removal, recording and safe disposal been considered?	<input type="checkbox"/>	Y
3. Has the manner and period in which the APB will notify Scottish Ministers or veterinary professional of any <i>increased (unexplained)</i> mortality at the site been included?	<input type="checkbox"/>	Y
4. Has the action that will be taken in the event that the presence or suspicion of the presence of a listed disease is detected been included and <i>how</i> and <i>when</i> that will be notified to Scottish Ministers?	<input type="checkbox"/>	Y
5. Has the health status of aquaculture animals being stocked on the farm site been covered (equal or higher health status, certification if required)?	<input type="checkbox"/>	Y
6. Have the husbandry and biosecurity measures implemented between each epidemiological unit to minimise transmission of disease been covered (movement of staff, visitors, equipment, live or dead fish etc.)?	<input type="checkbox"/>	Y
7. Is documentation available regarding the measures in place to maintain the physical containment of aquaculture animals held on site?	<input type="checkbox"/>	Y
8. Have the biosecurity procedures been adequately implemented on site?	<input type="checkbox"/>	Y
If no, detail: <input type="text"/>		

**Results of Surveillance**

1. Has any animal health surveillance been carried out by, or on behalf of, the business?	<input type="checkbox"/>	N
2. If yes, are results available for inspection?	<input type="checkbox"/>	
3. Any significant results?	<input type="checkbox"/>	
If yes, detail (if not detailed under recent disease problems). <input type="text"/>		

Records checked between:	<input type="text"/>
	12/12/19- 20/12/22

Case Number:	2022-0596	Site No:	FS1265	Insp:		
Date of Visit	20/12/2022	No of movements/supp./dest.			Score	
<b>Live fish movements</b>		<b>0</b>	<b>1-5</b>	<b>6-10</b>	<b>&gt;10</b>	
Movements on (from out with GB) of susceptible species	Frequency of movements on from equivalent MS	0	5	10	14	0
	Frequency of movements on from equivalent zone or compartment including third country	0	9	18	26	0
	Number of suppliers	0	5	10	14	0
Movements off	Frequency of movements off	0	3	6	10	3
	Number of destinations	0	3	6	10	3
<b>Exposure via water</b>	<b>Site contacts</b>	<b>0</b>	<b>1-5</b>	<b>6-10</b>		
Water contacts with other farms (holding species susceptible to same diseases)	Farm is protected (secure water supply through disinfection or borehole)	0				0
	Farm is on-line or in a coastal zone with category I farms upstream or within 1 tidal excursion	1	2	4		
	Farm is on-line or in a coastal zone with category III farms upstream or within 1 tidal excursion	1	3	6		
	Farm is on-line or in a coastal zone with category V farms upstream or within 1 tidal excursion	1	4	8		
<b>Management practices</b>		<b>None</b>	<b>Secure</b>	<b>Unsecure</b>		
Water contacts with processors	Any processing plant discharging into adjacent waters	0	1	2		0
On farm processing within the rules of the directive	No on farm processing	0				0
	Processing own fish (re-cycling risk)	1				
	Processing fish from MS of equivalent status	2				
	Processing fish from zone or compartment of equivalent status	4				
	Processing fish from Category III farm	8				
	Processing fish from Category V farm	10				
Disposal of fish and fish by-products	Site's own waste only processed.	0				0
	Common processes with other farms	3				
	Collection point for waste from other farms	5				
Use of unpasteurised feeds	No feeding of unpasteurised feed	0				
	Feeding unpasteurised feed	5				5
<b>Biosecurity</b>	<b>Number of sites</b>	<b>1</b>	<b>2 or 3</b>	<b>≥ 4</b>		
Contacts with other sites	Sites operating from single shorebase	0	1	2		0
	Sites sharing staff and equipment	0	1	2		0
Disinfection of equipment between sites, use of footbaths etc	Yes	0				0
	No	1				
<b>CoGP/Regulator</b>						
Practices in accordance with regulator or industry code of practice	Yes	0				
	No	3				3
Platform access to cages	Yes	0				0
	No	2				
<b>Total Rank</b>					<b>14</b> <b>LOW</b>	

Case No:

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Site No:

FS1265

**Sea Lice Inspection (Seawater Sites Only)**

- 1. Has the site experienced sea lice problems in the previous 4 years?
- 2. Is the CoGP Farm Management Area (or equivalent) followed synchronously on a single year class basis?
- 3. Does the site have access to a range of licenced in-feed and bath sea lice medications (including deltamethrin, azamethiphos and emamectin benzoate) as well as access to suitable biological and/or mechanical control measures, and can these be deployed in a reasonable period of time?
- 4. Is there a signed documented farm management agreement or statement relevant to the site and CoGP Farm Management Area (or equivalent)?
- 5. Are sea lice count records available for inspection? (Legal SSI, CoGP Annex 6)
- 6. Do records adequately reflect the required standard specified in the SSI and the CoGP? (Legal SSI, CoGP Annex 6)
- 7. Are sea lice (*L. salmonis*) record levels below the suggested criteria for treatment in the CoGP during the period that records are inspected? (CoGP Annex 6)
- 8. Have average adult female sea lice (*L. salmonis*) numbers per fish been at a level of 3 or above (prior to w/b 10/6/19) or 2 or above (from w/b 10/6/19) during the period that records are inspected?  
If yes, have these been reported to the Fish Health Inspectorate? If no, FHI see comment.
- 9. Is *C. elongatus* infestation at a level which is considered to cause significant welfare problems? (CoGP 4.3.81, 5.3.50)
- 10. Have therapeutic treatments been administered or other actions taken when *L. salmonis* levels have exceeded the suggested criteria for treatment or where *C. elongatus* is considered to have welfare implications? (CoGP 4.3.82, 5.3.51)
- 11. Has any other action been taken (where applicable)?
- 12. Have therapeutic treatments or the actions taken had a significant impact upon the lice levels recorded?
- 13. Are treatments, where conducted, carried out in cooperation between participating farms?
- 14. Is there a harvesting strategy for the site, where fewer populations or part populations are held without treatment for sea lice?
- 15. Is there a site specific written lice management procedure with waypoints describing set actions to deal with recognised scenarios during the escalation of a sea lice infestation?
- 16. Do the sea lice levels observed on stocks reflect sea lice count data? If no please detail reasons.

**Containment Inspection**

- 1. Has the site experienced equipment damage due to predators in the current or previous production cycles?
- 2. Are measures in place to mitigate against the predation experienced on site? (Detail below)   
indoors  
If other, detail below:
- 3. Have escape incidents or events been experienced on or in the vicinity of the site since the last FHI inspection?   
If Yes proceed with questions 4 – 9. If No skip to question 10
- 4. Have these been reported to Scottish Ministers?
- 5. Have these been reported to local DSFB forthwith (where they exist)? (CoGP – 4.4.37, 5.4.17)
- 6. Have these been reported to the SSPO and local fisheries trusts forthwith (where they exist)? (CoGP – 4.4.37, 5.4.17)
- 7. Were methods (if any) used to recover escapees? If yes give detail
- 8. If gill nets were deployed was this action agreed with local wild fish interests and was permission given by Scottish Ministers? (Legal, CoGP – 4.4.38, 5.4.18)
- 9. What action was taken to prevent and minimise the risk of further escapes? (Not covered in code but could be considered under satisfactory measures of the Act)
- 10. Is the site inspected as satisfactory with regards to containment? If no, please detail reason(s)   
yes

Case No: 2022-0596

Site No: FS1265

Date of Visit: 20/12/2022

Inspector: [Redacted]

**Point of Compliance**

1. Is the farm under inspection located within a farm management area?

N

If N, no further questions require completion.

**Points of Compliance for Both Farm Management Agreements and Statements**

2. Has a current farm management agreement or statement (FMAg/S) been prepared?

[Redacted]

3. Is the current FMAg/S available for inspection?

[Redacted]

4. Does the FMAg/S identify the relevant farm management area?

[Redacted]

5. Does the FMAg/S identify the fish farm site(s) to which it applies?

[Redacted]

6. Does the FMAg/S identify the date of commencement of the agreement or statement?

[Redacted]

7. Does the FMAg/S identify the date of review?

[Redacted]

**Arrangements for Fish Health Management**

8. Does the FMAg/S identify the minimum health standards for the stocks to be introduced to the area or farm?

[Redacted]

9. Does the FMAg/S identify the vaccination requirements for stocks held in the area or farm?

[Redacted]

10. Does the FMAg/S identify the species of fish which may be stocked into the area or farm?

[Redacted]

11. Does the FMAg/S identify the maximum stocking density of any pen on any farm in the area or the individual farm?

[Redacted]

12. Does the FMAg/S identify the arrangements for the storage and disposal of any dead fish from any fish farm in the area or the individual farm?

[Redacted]

**Arrangements for The Management of Sea Lice**

13. Does the FMAg/S identify arrangements for the sharing of data on sea lice numbers and treatments?

[Redacted]

14. Does the FMAg/S identify the availability and the use of medicines on farms covered by the agreement of statement?

[Redacted]

15. Does the FMAg/S identify any requirements for the sensitivity testing of available treatments for sea lice on farms in the area or individual farms?

[Redacted]

16. Does the FMAg/S identify the circumstances under which biological controls and cleaner fish are to be used on farms in the area or individual farms?

[Redacted]

17. Does the FMAg/S identify the arrangements for synchronous treatments on farms within the area?

[Redacted]

**Live Fish Movements**

18. Does the FMAg/S identify the circumstances when live fish may be introduced or removed from the area or farm?

[Redacted]

19. Does the FMAg/S identify the arrangements for the movement of live fish on and off sites in the area or individual farms?

[Redacted]

**Harvesting**

20. Does the FMAg/S identify acceptable harvest practices on farms in the area or individual farms?

**Fallowing**

21. Does the FMAg/S identify the dates by which the area or individual farm will be fallow and the earliest date when a farm or area may be restocked?

22. Does the FMAg/S identify whether one or more year classes may be stocked onto sites covered by the agreement or statement?

23. Does the FMAg/S identify whether broodstock or potential broodstock are to be kept on any site covered by the agreement or statement?

**Point of Compliance for Farm Management Agreements Only**

24. Does the farm management agreement include arrangements for persons to become, or cease to be, parties to the agreement?

**Management and operation**

25. Is the fish farm being managed and operated in accordance with the agreement or statement?

26. What is the version no/date of issue of the FMAg/S?



Case No:	<b>2022-0596</b>	Date of visit:	<b>20/12/2022</b>
Site No:	<b>FS1265</b>	Inspector:	<b>[REDACTED]</b>

Results Summary	Freq.	Date of Notification						
		Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Insp

Report Summary			
Case Type	Date	Insp	2 <sup>nd</sup> Insp
ECI, CNI	24/01/2022		

2022-0596-  
attach.pdf

**Note - attachments file must be saved to ARC folder as PDF with correct name format e.g. 2012-0123-attach or 2012-0123-attach2 etc.**

## St Abbs Marine Station Species List

<u>Tank ID</u>	<u>Common Name</u>	<u>Scientific Name</u>
1T		
2T		
3T		
1B		
2B		
3B	European Lobster	<i>Homarus gammarus</i>
4B	European Lobster	<i>Homarus gammarus</i>
5B		
6B	European Lobster	<i>Homarus gammarus</i>
7B		
8B		
9B		
4A		
5A	Sea grass nursery	<i>Zostera marina</i>
6A	European Lobster	<i>Homarus gammarus</i>
7A	European Lobster	<i>Homarus gammarus</i>
8A	Sea grass nursery	<i>Zostera marina</i>
	Mussels	<i>Mytilus edulis</i>
9A		
1C ("Rockpool")	Snakelocks Anemone	<i>Anemonia viridis</i>
	Edible Sea Urchin	<i>Echinus esculentus</i>
	Common Brittle Star	<i>Ophiothrix fragilis</i>
	Black Brittle Star	<i>Ophiocomina nigra</i>
	Common starfish	<i>Asterias rubens</i>
	Spiny Squat Lobster	<i>Galathea strigosa</i>
	Dahlia Anemone	<i>Urticina felina</i>
2C	European Lobster	<i>Homarus gammarus</i>
	Spiny Squat Lobster	<i>Galathea strigosa</i>
	Scorpion Fish	<i>Myoxocephalus scorpius</i>
	3 Spined Stickleback	<i>Gasterosteus aculeatus</i>
3C		
4C	European Lobster	<i>Homarus gammarus</i>
5C		
6C		
7C	European Lobster	<i>Homarus gammarus</i>
	Green Wrasse	<i>Crenilabrus melops</i>
8C	European Lobster	<i>Homarus gammarus</i>
9C	European Lobster	<i>Homarus gammarus</i>
1G	Thornback Ray	<i>Raja clavata</i>
2G	Small-spotted catshark	<i>Scyliorhinus canicula</i>
	Small-spotted catshark eggs	<i>Scyliorhinus canicula</i>
7.5M (1D)	Thornback rays	<i>Raja clavata</i>
	Small-spotted catsharks	<i>Scyliorhinus canicula</i>
<b>Quarantine One (Q1) (1W)</b>		
<b>Quarantine Two (Q2)</b>		
<b>F-SQUARE (4D)</b>		
<b>ANEMONE (5D)</b>	Pimplet Anemone	<i>Anthopleura ballii</i>
	Dahlia Anemone	<i>Urticina felina</i>

**MESOCOSM (1E)**

Snakelocks Anemone  
Haddock  
Atlantic Cod  
Coley  
Pollock  
Grey Gurnard  
Cuckoo Wrasse  
Corkwing Wrasse  
Dab  
Plaice  
3-Bearded Rockling  
Periwinkles  
Urchins  
European Spiny Lobsters  
Scorpion Fish  
Velvet Crab  
Shore crab  
European Lobster  
*Experimental use*  
Lophelia

*Anemonia viridis*  
*Melanogrammus aeglefinu*  
*Gadus morhua*  
*Pollachius viriens*  
*Pollachius pollachius*  
*Eutrigla gurnardus*  
*Labrus bimaculatus*  
*Crenilabrus melops*  
*Limanda limanda*  
*Pleuronectes platessa*  
*Gaidropsarus vulgaris*  
*Littorina littorea*  
*Echinus esculentus*  
*Palinurus elephas*  
*Myoxocephalus scorpius*  
*Necora puber*  
*Carcinus maenas*  
*Homarus gammarus*

**15m experimental tank  
Coldroom 2**

Lophelia pertusa

<u>Collection Site</u>	<u>Number</u>
St Abbs M.R.	2
St Abbs M.R.	1
St Abbs M.R.	1
Various locations around Scotland	25
St Abbs M.R.	1
larval reared	6
Various locations around Scotland	2
D. R. Collins	~75
St Abbs M.R.	51
St Abbs M.R.	3
St Abbs M.R.	3
St Abbs M.R.	2
St Abbs M.R.	3
St Abbs M.R.	4
St Abbs M.R.	1
St Abbs M.R.	1
St Abbs M.R.	~5
St Abbs M.R.	1
St Abbs M.R.	1
St Abbs M.R.	1
St Abbs M.R.	1
St Abbs M.R.	1
St Abbs M.R.	1
St Abbs M.R.	1
St Abbs M.R.	1
St Abbs M.R.	2
larval reared	15
larval reared	5
laid in captivity (F-square and 7.5m)	41
Port Logan	7
Port Logan	4
St Abbs M.R.	6
St Abbs M.R.	1

St Abbs M.R.	7
St Abbs M.R.	2
St Abbs M.R.	2
St Abbs M.R.	1
St Abbs M.R.	2
St Abbs M.R.	1
St Abbs M.R.	4
St Abbs M.R.	2
St Abbs M.R.	5
St Abbs M.R.	5
St Abbs M.R.	2
St Abbs M.R.	100+
St Abbs M.R.	10+
St Abbs M.R.	1
St Abbs M.R.	2
St Abbs M.R.	5
St Abbs M.R.	5
St Abbs M.R.	~14

Sweden 19NO-0028-EX (uk import) and 19N 13 colonies, 72 fragments

# FISH HEALTH INSPECTORATE VISIT REPORT

## SUMMARY FOR INFORMATION OF SITE OPERATOR

<b>BUSINESS No</b>	FB0554	<b>DATE OF VISIT</b>	20/12/2022
<b>SITE No</b>	FS1265	<b>SITE NAME</b>	St Abbs Marine Station (Finfish)
<b>CASE No</b>	20220596	<b>INSPECTOR</b>	[REDACTED]

### Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

The above site was inspected, in accordance with the Aquatic Animal Health (Scotland) Regulations 2009.

All epidemiological units were inspected. On this occasion no samples were taken for disease analysis. The Inspector did not observe any clinical signs associated with the listed diseases as described in the Aquatic Animal Health (Scotland) Regulations 2009.

#### Records

The surveillance frequency category of the site was assessed as low. An inspection under the Aquatic Animal Health (Scotland) Regulations 2009 will be conducted every third year. The category of the site will be reassessed on a routine basis and updated as required.

The information required for the public record of aquaculture production businesses regarding this site was verified and where necessary updated. The following records were also inspected to ensure that the conditions of authorisation for your Aquaculture Production Business (APB) are being met:

Aquaculture animal and aquaculture animal product movement records were inspected and appeared to be adequately maintained.

Records in relation to aquaculture animals transported by the business were inspected and found to be adequately maintained.

Mortality records were inspected and found to be adequately maintained.

No mortality levels exceeding the reporting criteria have been recorded since the last inspection.

No animal health surveillance had been carried out on behalf of the business and/or Marine Scotland since the last Marine Scotland Inspection.

The biosecurity measures plan for the site was inspected and found to be adequately maintained and implemented.

## Inspection under the Aquaculture and Fisheries (Scotland) Act 2007

The site was also inspected in accordance with the Aquaculture and Fisheries (Scotland) Act 2007, as amended, with respect to and section 5 regarding containment and escapes.

On this occasion the site was found to be satisfactory with regards to containment and escapes.

Please contact myself or the duty inspector should you require any further information or have any queries regarding this report.

Signed:



Date: 24/01/2023

Fish Health Inspector

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Marine Scotland website at <https://www.gov.scot/publications/fish-health-inspectorate-service-charter/>



Case No: 2022-0597 Date of visit: 20/12/2022

Time spent on site: 1 hour Main Inspector:

Site No: SS0850 Site Name: St Abbs Marine Station (Shellfish)
Business No: SB0527 Business Name: St Abbs Marine Station (Shellfish)

Case Types: 1 ECI 2 3 4 5 6

Water Temp (°C): 8 Thermometer No: T147 FHI 045 completed N/A

Observations: Region: BO Water type: S CoGP MA:

Dead/weak/abnormally behaving fish present? N If yes, see additional information/clinical score sheet.
Clinical signs of disease observed? N If yes, see additional information/clinical score sheet.
Gross pathology observed? N If yes, see additional information/clinical score sheet.
Diagnostic samples taken? N

UNI/REG only - if unable to carry out intended visit detail reason below:

**Additional Case Information:**

All stock caught locally and released locally. Site wish to remain authorised as may move stock to other research facilities in future. Fish and shellfish site at same location.

No reported disease issues or increased mortalities. Some predation among crabs and lobsters.

Morts are disposed of by freezing on site . Once capacity is reached in the freezer Rentokil Initial UK collect in yellow theatre bins offsite for incineration.

Mix of species on site including lobsters, squat lobsters, mussels and crabs

Case No: 2022-0597

Site No: SS0850

Date of Visit: 20/12/2022

Inspector(s): [Redacted]

**Registration/Authorisation Details**

- 1. Business/site details summary checked by site representative?
- 2. Changes made to details?

**Site Details (include cleaner fish for all sections)**

Total No facilities	30	Facilities stocked	20	No facilities inspected	30
Species	attached				
Age group					
No Fish					
Mean Fish Wt					
Next Fallow Date (Site)	none	Next Input Date (Site)	spring 2023		
Recent (last 4 wks) disease problems?		Any escapes (since last visit)?	N		N
If yes, detail:					

**Movement Records**

- 1. Movement records available for inspection?
- 2. Date of last inspection: 12/12/2019
- 3. Are records complete and correctly entered?
- 4. Are movement records available for dead fish and waste?
- 5. Are records complete and correctly entered?
- 6. Are health certificates for introductions (out with GB) available?

**Transport Records**

- 1. Are any movements carried out by (or on behalf) of the business (not using a STB)?
- If yes, is there a system in place for maintenance of transportation records?

**Mortality Records**

- 1. Mortality records available for inspection?
- 2. How are mortalities disposed of? Other (detail)
- If other detail: incinerated off site
- 3. Mortality records complete and correctly entered?
- 4. Recent mortality (last 4 wks): no mortalities on the past 4 weeks
- 5. Evidence of recent increased/atypical mortalities?
- If yes, facility nos/no mortality per facility/no stock per facility/reason: [Redacted]
- 6. Any other peaks in mortality during period checked?
- If yes, detail: [Redacted]
- 7. Have increased (unexplained) mortalities been reported to vet or FHI?
- If yes, detail action: [Redacted]
- 8. Have 'mortality events' been reported to FHI? If no, enter details on mortality events sheet.

**Treatments and Medicines Records**

1. Recent treatments (see comment)?	
If yes, detail:	
If other, detail:	
2. Medicines records available for inspection?	
3. Are records complete and correctly entered?	
4. Are fish in a withdrawal period?	
5. If yes, what treatment(s)?	
If other, detail:	
6. Are medicines stored appropriately?	

**Biosecurity Records**

1. Biosecurity records available for inspection?		Y
2. Has the manner and frequency of mortality removal, recording and safe disposal been considered?		Y
3. Has the manner and period in which the APB will notify Scottish Ministers or veterinary professional of any <i>increased (unexplained)</i> mortality at the site been included?		Y
4. Has the action that will be taken in the event that the presence or suspicion of the presence of a listed disease is detected been included and <i>how</i> and <i>when</i> that will be notified to Scottish Ministers?		Y
5. Has the health status of aquaculture animals being stocked on the farm site been covered (equal or higher health status, certification if required)?		Y
6. Have the husbandry and biosecurity measures implemented between each epidemiological unit to minimise transmission of disease been covered (movement of staff, visitors, equipment, live or dead fish etc.)?		Y
7. Is documentation available regarding the measures in place to maintain the physical containment of aquaculture animals held on site?		Y
8. Have the biosecurity procedures been adequately implemented on site?		Y
If no, detail:		

**Results of Surveillance**

1. Has any animal health surveillance been carried out by, or on behalf of, the business?		N
2. If yes, are results available for inspection?		
3. Any significant results?		
If yes, detail (if not detailed under recent disease problems).		

Records checked between:	12/12/19- 20/12/23
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Case Number:	2022-0597	Site No:	SS0850
Date of Visit	20/12/2022	Inspector:	
<b>Number of Susceptible species on site</b>			
If no susceptible species present = <b>LOW</b> risk			
If susceptible species present, score for each pathogen			
		No	Yes
Susceptible to Bonamia ostrea (OED)		0	25
Susceptible to Marteilia refringens (OED, MED)		0	3
Susceptible to OshV (CGI)		0	3
<b>Sites within a tidal excursion</b>			
		1	2-5
			>6
Site contacts	Number of sites holding susceptible species within a tidal excursion	0	2
			10
			0
<b>Live shellfish movements</b>			
		0	1-2
			>3
Movements on	Frequency of movements on from equivalent MS	0	5
	Frequency of movements on from equivalent zone or compartment including third country	0	10
	Number of suppliers	0	5
			10
			0
Movements off	Frequency of movements off <u>within</u> MSS Management Areas	0	1
	Frequency of movements off <u>outwith</u> MSS Management Areas	0	3
	Number of destinations	0	3
			6
			6
			0
			0
			3
<b>Management practices</b>			
		None	Secure (effluent treatment)
			Unsecure (no effluent treatment)
Water contacts with depuration facilities	Depuration of stock from own sites within MSS management area	0	1
	Depuration of stock from other businesses sites within MSS management area	0	2
	Depuration of stock from sites outwith MSS management area	0	4
			8
			0
			0
			0
<b>Biosecurity</b>			
	Number of sites	1	2 or 3
			≥ 4
Contacts with other sites	Sites operating from single shorebase	0	1
	Sites sharing staff and equipment	0	1
		Yes	No
	Disinfection of equipment between sites, use of footbaths etc	0	2
			0
			2
			0
<b>Total Risk</b>			
8			
LOW			

Case No: 2022-0597

Date of visit: 20/12/2022

Site No: SS0850

Inspector: [REDACTED]

Results Summary	Freq.	Date of Notification						
		Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Insp

Report Summary			
Case Type	Date	Insp	2 <sup>nd</sup> Insp
ECl	24/01/2022		

2022-0597-  
attach.pdf

**Note - attachments file must be saved to ARC folder as PDF with correct name format e.g. 2012-0123-attach or 2012-0123-attach2 etc.**

## St Abbs Marine Station Species List

<u>Tank ID</u>	<u>Common Name</u>	<u>Scientific Name</u>
1T		
2T		
3T		
1B		
2B		
3B	European Lobster	<i>Homarus gammarus</i>
4B	European Lobster	<i>Homarus gammarus</i>
5B		
6B	European Lobster	<i>Homarus gammarus</i>
7B		
8B		
9B		
4A		
5A	Sea grass nursery	<i>Zostera marina</i>
6A	European Lobster	<i>Homarus gammarus</i>
7A	European Lobster	<i>Homarus gammarus</i>
8A	Sea grass nursery	<i>Zostera marina</i>
	Mussels	<i>Mytilus edulis</i>
9A		
1C ("Rockpool")	Snakelocks Anemone	<i>Anemonia viridis</i>
	Edible Sea Urchin	<i>Echinus esculentus</i>
	Common Brittle Star	<i>Ophiothrix fragilis</i>
	Black Brittle Star	<i>Ophiocomina nigra</i>
	Common starfish	<i>Asterias rubens</i>
	Spiny Squat Lobster	<i>Galathea strigosa</i>
	Dahlia Anemone	<i>Urticina felina</i>
2C	European Lobster	<i>Homarus gammarus</i>
	Spiny Squat Lobster	<i>Galathea strigosa</i>
	Scorpion Fish	<i>Myoxocephalus scorpius</i>
	3 Spined Stickleback	<i>Gasterosteus aculeatus</i>
3C		
4C	European Lobster	<i>Homarus gammarus</i>
5C		
6C		
7C	European Lobster	<i>Homarus gammarus</i>
	Green Wrasse	<i>Crenilabrus melops</i>
8C	European Lobster	<i>Homarus gammarus</i>
9C	European Lobster	<i>Homarus gammarus</i>
1G	Thornback Ray	<i>Raja clavata</i>
2G	Small-spotted catshark	<i>Scyliorhinus canicula</i>
	Small-spotted catshark eggs	<i>Scyliorhinus canicula</i>
7.5M (1D)	Thornback rays	<i>Raja clavata</i>
	Small-spotted catsharks	<i>Scyliorhinus canicula</i>
<b>Quarantine One (Q1) (1W)</b>		
<b>Quarantine Two (Q2)</b>		
<b>F-SQUARE (4D)</b>		
<b>ANEMONE (5D)</b>	Pimplet Anemone	<i>Anthopleura ballii</i>
	Dahlia Anemone	<i>Urticina felina</i>



**MESOCOSM (1E)**

Snakelocks Anemone  
Haddock  
Atlantic Cod  
Coley  
Pollock  
Grey Gurnard  
Cuckoo Wrasse  
Corkwing Wrasse  
Dab  
Plaice  
3-Bearded Rockling  
Periwinkles  
Urchins  
European Spiny Lobsters  
Scorpion Fish  
Velvet Crab  
Shore crab  
European Lobster  
*Experimental use*  
Lophelia

*Anemonia viridis*  
*Melanogrammus aeglefinu*  
*Gadus morhua*  
*Pollachius viriens*  
*Pollachius pollachius*  
*Eutrigla gurnardus*  
*Labrus bimaculatus*  
*Crenilabrus melops*  
*Limanda limanda*  
*Pleuronectes platessa*  
*Gaidropsarus vulgaris*  
*Littorina littorea*  
*Echinus esculentus*  
*Palinurus elephas*  
*Myoxocephalus scorpius*  
*Necora puber*  
*Carcinus maenas*  
*Homarus gammarus*

**15m experimental tank  
Coldroom 2**

Lophelia pertusa

Collection SiteNumber

St Abbs M.R.	2
St Abbs M.R.	1
St Abbs M.R.	1
Various locations around Scotland	25
St Abbs M.R.	1
larval reared	6
Various locations around Scotland	2
D. R. Collins	~75
St Abbs M.R.	51
St Abbs M.R.	3
St Abbs M.R.	3
St Abbs M.R.	2
St Abbs M.R.	3
St Abbs M.R.	4
St Abbs M.R.	1
St Abbs M.R.	1
St Abbs M.R.	~5
St Abbs M.R.	1
St Abbs M.R.	1
St Abbs M.R.	1
St Abbs M.R.	1
St Abbs M.R.	1
St Abbs M.R.	1
St Abbs M.R.	1
St Abbs M.R.	2
larval reared	15
larval reared	5
laid in captivity (F-square and 7.5m)	41
Port Logan	7
Port Logan	4
St Abbs M.R.	6
St Abbs M.R.	1

St Abbs M.R.	7
St Abbs M.R.	2
St Abbs M.R.	2
St Abbs M.R.	1
St Abbs M.R.	2
St Abbs M.R.	1
St Abbs M.R.	4
St Abbs M.R.	2
St Abbs M.R.	5
St Abbs M.R.	5
St Abbs M.R.	2
St Abbs M.R.	100+
St Abbs M.R.	10+
St Abbs M.R.	1
St Abbs M.R.	2
St Abbs M.R.	5
St Abbs M.R.	5
St Abbs M.R.	~14

Sweden 19NO-0028-EX (uk import) and 19N 13 colonies, 72 fragments

# FISH HEALTH INSPECTORATE VISIT REPORT

## SUMMARY FOR INFORMATION OF SITE OPERATOR

<b>BUSINESS No</b>	SB0527	<b>DATE OF VISIT</b>	20/12/2022
<b>SITE No</b>	SS0850	<b>SITE NAME</b>	St Abbs Marine Station (Shellfish)
<b>CASE No</b>	20220597	<b>INSPECTOR</b>	[REDACTED]

### Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

The above site was inspected, in accordance with the Aquatic Animal Health (Scotland) Regulations 2009.

All epidemiological units were inspected. On this occasion no samples were taken for disease analysis. The Inspector did not observe any clinical signs associated with the listed diseases as described in the Aquatic Animal Health (Scotland) Regulations 2009.

### Records

The surveillance frequency category of the site was assessed as low. An inspection under the Aquatic Animal Health (Scotland) Regulations 2009 will be conducted every fourth year. The category of the site will be reassessed on a routine basis and updated as required.

The information required for the public record of aquaculture production businesses regarding this site was verified and where necessary updated. The following records were also inspected to ensure that the conditions of authorisation for your Aquaculture Production Business (APB) are being met:

Aquaculture animal and aquaculture animal product movement records were inspected and appeared to be adequately maintained.

Mortality records were inspected and found to be adequately maintained.

No animal health surveillance had been carried out on behalf of the business and/or Marine Scotland since the last Marine Scotland Inspection.

The biosecurity measures plan for the site was inspected and found to be adequately maintained and implemented.

Please contact myself or the duty inspector should you require any further information or have any queries regarding this report.

Signed:



Fish Health Inspector

Date: 24/01/2023

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Marine Scotland website at <https://www.gov.scot/publications/fish-health-inspectorate-service-charter/>