

Case No:  Date of visit:

Time spent on site:  Main Inspector:

Site No:  Site Name:   
Business No:  Business Name:

Case Types: 1  2  3  4  5  6

Water Temp (°C):  Thermometer No:  FHI 045 completed

Observations: Region: HI Water type: F CoGP MA:

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

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

**Additional Case Information:**

2023 Fry elevated mortalities: Wk 45 25438 (1.35%) first feeding morts

Fry mortalities for the last 4 weeks wk 10 212 (0.01%), wk 9 2734 (0.17%), wk 8 24822 (1.50%) gut fungus, wk 7 14187 (0.85%)

2023 parr increased mortalities: wk 30 34626 (2.51%) caused by burrowing following a power failure and loss of light.

2023 July parr wk 9 309 (0.02%) wk 8 185 (0.01%)wk 7 140 (0.01%) wk 6 1127 (0.07%)

Gut fungus had caused an increase in fry morts salinity was increased to treat. Salt back ground level increased to 1.3ppt, normally sits at 0.6-0.8 ppt.

Paperwork inspected on the 4th and 5th March 2024, site inspection conducted 5th March 2024

Site thermometer used due to biosecurity protocols. Thermometers are regularly calibrated against a mercury thermometer.

Case No:  Site No:

Date of Visit:  Inspector(s):

**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	<input type="text" value="16"/>	Facilities stocked	<input type="text" value="15"/>	No facilities inspected	<input type="text" value="16"/>
Species	<input type="text" value="SAL"/>	<input type="text" value="SAL"/>			
Age group	<input type="text" value="Fry Nov"/>	<input type="text" value="Parr 2023"/>			
No Fish	<input type="text" value="1,630,246"/>	<input type="text" value="1,585,168"/>			
Mean Fish Wt	<input type="text" value="0.7"/>	<input type="text" value="16.2"/>			
Next Fallow Date (Site)	<input type="text" value="Mid may 2024"/>		Next Input Date (Site)	<input type="text" value="27th May 2024"/>	
Recent (last 4 wks) disease problems?	<input type="text" value="N"/>		Any escapes (since last visit)?	<input type="text" value="N"/>	
If yes, detail:	<input type="text" value=""/>				

**Movement Records**

1. Movement records available for inspection?

2. Date of last inspection:

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 (outwith 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?

If other detail:

3. Mortality records complete and correctly entered?

4. Recent mortality (last 4 wks):

5. Evidence of recent increased/atypical mortalities?

If yes, facility nos/no mortality per facility/no stock per facility/reason:

6. Any other peaks in mortality during period checked?

If yes, detail:

7. Have increased (unexplained) mortalities been reported to vet or FHI?

If yes, detail action:

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)?	<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"/>	Y
3. Are records complete and correctly entered?	<input type="checkbox"/>	Y
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"/>	Y

**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"/>	Y
2. If yes, are results available for inspection?	<input type="checkbox"/>	Y
3. Any significant results?	<input type="checkbox"/>	N
If yes, detail (if not detailed under recent disease problems). <input type="text"/>		

Records checked between:	<input type="text"/>
	29/5/2023 to 4/3/2024



Case Number:	2024-0056	Site No:	FS1336	Insp:			
Date of Visit	04/03/2024	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		
	Number of suppliers	0	5	10	14		
Movements off	Frequency of movements off	0	3	6	10	10	
	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					
	Common processes with other farms	3				3	
	Collection point for waste from other farms	5					
Use of unpasteurised feeds	No feeding of unpasteurised feed	0				0	
	Feeding unpasteurised feed	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	2	
	Sites sharing staff and equipment	0	1		2	2	
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				0	
	No	3					
Platform access to cages	Yes	0				0	
	No	2					
<b>Total Rank</b>					<b>20</b>	<b>MEDIUM</b>	

Case No: **2024-0056**

Site No: **FS1336**

**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)
- site 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)



# FISH HEALTH INSPECTORATE VISIT REPORT

## SUMMARY FOR INFORMATION OF SITE OPERATOR

<b>BUSINESS No</b>	FB0169	<b>DATE OF VISIT</b>	04/03/2024
<b>SITE No</b>	FS1336	<b>SITE NAME</b>	Applecross Hatchery
<b>CASE No</b>	20240056	<b>INSPECTOR</b>	██████████

### 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 medium. An inspection under the Aquatic Animal Health (Scotland) Regulations 2009 will be conducted every second 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.

Mortality levels had exceeded the reporting criteria since the last inspection and had been reported to the Fish Health Inspectorate as required.

Reports detailing the results of animal health surveillance carried out by or on behalf of the business and/or Marine Directorate were available for inspection.

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

### Inspection under the Animals and Animal Products (Examination for Residues and Maximum Residue Limits) (England and Scotland) Regulations 2015

Medicine records were inspected and found to be adequately maintained.

R04

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

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

On this occasion the site was found to be satisfactory.

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

Signed:



Date: 15/03/2024

Fish Health Inspector

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Scottish Government website at [Fish Health Inspectorate Service Charter - gov.scot \(www.gov.scot\)](https://www.gov.scot/resources/consultation-policies/fish-health-inspectorate-service-charter/)

Case No: 2024-0057 Date of visit: 04/03/2024

Time spent on site: 30m Main Inspector: [REDACTED]

Site No: FS1333 Site Name: Applecross Incubation Unit  
Business No: FB0169 Business Name: Bakka frost Scotland

Case Types: 1 ECI 2 CNI 3 4 5 6

Water Temp (°C): 5.1 Thermometer No: Site FHI 045 completed Y

Observations: Region: HI Water type: F 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:  
[REDACTED]

**Additional Case Information:**

Mortalities for the last three weeks: wk 9 4153 (0.27%), wk 8 32279 (2.07%), wk 7 11274 0.72%) (site only stocked three weeks ago).

Site recently stocked with Stofenfiskur and Aquagen ova, inputs earlier in the year from Ormsary (Hebridean stock type).

Stock only moved to Applecross Hatchery for on-growing.

Site thermometer used due to biosecurity protocols.

Paperwork completed on the 4/3/2024 and site inspected on the 5/3/2024.

Case No:  Site No:

Date of Visit:  Inspector(s):

**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	<input type="text" value="Hatchery"/>	Facilities stocked	<input type="text" value="7"/>	No facilities inspected	<input type="text" value="10"/>
Species	<input type="text" value="Ova"/>				
Age group	<input type="text" value="Feb-24"/>				
No Fish	<input type="text" value="1,524,112"/>				
Mean Fish Wt	<input type="text" value="N/a"/>				
Next Fallow Date (Site)	<input type="text" value="Mid May 2024"/>	Next Input Date (Site)	<input type="text" value="27/5/2024"/>		
Recent (last 4 wks) disease problems?	<input type="text" value="N"/>		Any escapes (since last visit)?	<input type="text" value="N"/>	
If yes, detail:	<input type="text" value=""/>				

**Movement Records**

1. Movement records available for inspection?

2. Date of last inspection:

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 (outwith 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?

If other detail:

3. Mortality records complete and correctly entered?

4. Recent mortality (last 4 wks):

5. Evidence of recent increased/atypical mortalities?

If yes, facility nos/no mortality per facility/no stock per facility/reason:

6. Any other peaks in mortality during period checked?

If yes, detail:

7. Have increased (unexplained) mortalities been reported to vet or FHI?

If yes, detail action:

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)?	<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"/>	Y
3. Are records complete and correctly entered?	<input type="checkbox"/>	Y
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"/>	Y

**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"/>
	5/10/2022 to 4/3/2024

Case Number:	2024-0057	Site No:	FS1333	Insp:	
Date of Visit	04/03/2024	<b>No of movements/supp./dest.</b>			<b>Score</b>
<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
	Frequency of movements on from equivalent zone or compartment including third country	0	9	18	26
	Number of suppliers	0	5	10	14
Movements off	Frequency of movements off	0	3	6	10
	Number of destinations	0	3	6	10
<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			
	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	
On farm processing within the rules of the directive	No on farm processing	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			
	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			
<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	
	Sites sharing staff and equipment	0	1	2	
Disinfection of equipment between sites, use of footbaths etc	Yes	0			
	No	1			
<b>CoGP/Regulator</b>					
Practices in accordance with regulator or industry code of practice	Yes	0			
	No	3			
Platform access to cages	Yes	0			
	No	2			
				<b>Total Rank</b>	<b>27</b> <b>HIGH</b>

Case No: 2024-0057

Site No: FS1333

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?  N
  - 2. Are measures in place to mitigate against the predation experienced on site? (Detail below)  Y
- site 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?  N  
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)  Y



# FISH HEALTH INSPECTORATE VISIT REPORT

## SUMMARY FOR INFORMATION OF SITE OPERATOR

<b>BUSINESS No</b>	FB0169	<b>DATE OF VISIT</b>	04/03/2024
<b>SITE No</b>	FS1333	<b>SITE NAME</b>	Applecross Incubation Unit
<b>CASE No</b>	20240057	<b>INSPECTOR</b>	██████████

### 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 high. An inspection under the Aquatic Animal Health (Scotland) Regulations 2009 will be conducted annually. 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 Directorate since the last Marine Directorate inspection.

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

### Inspection under the Animals and Animal Products (Examination for Residues and Maximum Residue Limits) (England and Scotland) Regulations 2015

Medicine records were inspected and found to be adequately maintained.

R04

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

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

On this occasion the site was found to be satisfactory.

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

Signed:



Date: 15/03/2024

Fish Health Inspector

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Scottish Government website at [Fish Health Inspectorate Service Charter - gov.scot \(www.gov.scot\)](https://www.gov.scot/policies/fish-health-inspectorate/)

R04

Case No: 2024-0058 Date of visit: 04/03/2024

Time spent on site: 1h Main Inspector:

Site No: FS1360 Site Name: Applecross Smolt Ongrowing 1  
Business No: FB0169 Business Name: Bakkafrost Scotland

Case Types: 1 REP 2 REG 3 WEL 4 5 6

Water Temp (°C): Thermometer No: FHI 045 completed

Observations: Region: HI Water type: F CoGP MA:

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

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

**Additional Case Information:**

Site visit conducted accompanied by APHA Vet following reports of significant mortalities.

Initial mortality event report was wk 3 50,620 (3.56%), wk 4 30,488 (2.22%), wk 5 147,668 (11.01%).

During stocking of the site there was an issue with the pipework, a burr on a reducer resulted in some physical damage this was replaced and transfers continued without further issue. Mortalities continued to increase post transfer, some fungus was reported but following disease screening furunculosis was identified as the underlying cause of the elevated mortalities. In week 5, on veterinary advice, the fish were transferred to sea (Aird) to reduce the infection pressure within the system. The site was fallowed on the 6/2/2024, A full clean and disinfect was to be completed.

Due to the issues that have occurred onsite, the surveillance frequency could not be assessed appropriately as the frequency of movements on and off site were not representative of normal site operations, the site will remain medium risk.



Case No:  Site No:

Date of Visit:  Inspector(s):

**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	<input type="text" value="4"/>	Facilities stocked	<input type="text" value="0"/>	No facilities inspected	<input type="text" value="4"/>
Species	<input type="text"/>				
Age group	<input type="text"/>				
No Fish	<input type="text"/>				
Mean Fish Wt	<input type="text"/>				
Next Fallow Date (Site)	<input type="text" value="currently fallow"/>		Next Input Date (Site)	<input type="text" value="potentially July 2024"/>	
Recent (last 4 wks) disease problems?	<input type="text" value="N/A"/>		Any escapes (since last visit)?	<input type="text" value="N"/>	
If yes, detail:	<input type="text"/>				

**Movement Records**

1. Movement records available for inspection?

2. Date of last inspection:

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 (outwith 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?

If other detail:

3. Mortality records complete and correctly entered?

4. Recent mortality (last 4 wks):

5. Evidence of recent increased/atypical mortalities?

If yes, facility nos/no mortality per facility/no stock per facility/reason:

6. Any other peaks in mortality during period checked?

If yes, detail:

7. Have increased (unexplained) mortalities been reported to vet or FHI?

If yes, detail action:

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)?	<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"/>	Y
3. Are records complete and correctly entered?	<input type="checkbox"/>	N
4. Are fish in a withdrawal period?	<input type="checkbox"/>	N/A
5. If yes, what treatment(s)?	<input type="text"/>	
If other, detail: <input type="text"/>		
6. Are medicines stored appropriately?	<input type="checkbox"/>	Y

**Biosecurity Records**

1. Biosecurity records available for inspection?	<input type="checkbox"/>
2. Has the manner and frequency of mortality removal, recording and safe disposal been considered?	<input type="checkbox"/>
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"/>
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"/>
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"/>
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"/>
7. Is documentation available regarding the measures in place to maintain the physical containment of aquaculture animals held on site?	<input type="checkbox"/>
8. Have the biosecurity procedures been adequately implemented on site?	<input type="checkbox"/>
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"/>
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" value="27/11/2023 to 9/2/2024"/>
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Case No: 2024-0058

Site No: FS1360

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?  N
- 2. Are measures in place to mitigate against the predation experienced on site? (Detail below)  Y

Site 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?  N  
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)



# FISH HEALTH INSPECTORATE VISIT REPORT

## SUMMARY FOR INFORMATION OF SITE OPERATOR

<b>BUSINESS No</b>	FB0169	<b>DATE OF VISIT</b>	04/03/2024
<b>SITE No</b>	FS1360	<b>SITE NAME</b>	Applecross Smolt Ongrowing 1
<b>CASE No</b>	20240058	<b>INSPECTOR</b>	[REDACTED]

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

The above site was inspected following reports of increased mortality by the farm operator. The inspection was conducted in conjunction with a veterinary officer from the Animal and Plant Health Agency (APHA). A separate report will be issued by the Animal and Plant Health Agency.

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.

On this occasion, the site was found to be fallow.

### Records

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.

Mortality levels had exceeded the reporting criteria since the last inspection and had been reported to the Fish Health Inspectorate as required.

Reports detailing the results of animal health surveillance carried out by or on behalf of the business and/or Marine Directorate were available for inspection.

### Inspection under the Animals and Animal Products (Examination for Residues and Maximum Residue Limits) (England and Scotland) Regulations 2015

Medicine records were inspected and found to be inadequately maintained.

The following point was raised with the site representative during the inspection:

- Tricaine Methanesulfonate (TMS) had been administered to stock to conduct check weights, its usage was not recorded in the medicine records.

R04

The administration of TMS must be recorded appropriately in the medicine records. Records will be checked at the next inspection.

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

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

On this occasion the site was found to be fallow and the measures in place for the containment of stock could not be assessed.

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

Signed:



Date: 05/04/2024

Fish Health Inspector

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Scottish Government website at [Fish Health Inspectorate Service Charter - gov.scot \(www.gov.scot\)](https://www.gov.scot/policies/fish-health-inspectorate/)

Case No: 2024-0059 Date of visit: 04/03/2024

Time spent on site: 2h Main Inspector: [REDACTED]

Site No: FS0500 Site Name: Applecross Smolt Unit  
Business No: FB0169 Business Name: Bakkafrost Scotland

Case Types: 1 ECI 2 CNI 3 REP 4 WEL 5 VMD 6 [REDACTED]

Water Temp (°C): 12.7 Thermometer No: Site FHI 045 completed Y

Observations: Region: HI Water type: F 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:  
[REDACTED]

**Additional Case Information:**

Inspection conducted with APHA Vet due to elevated mortalities.

Fungus became an issue in January post vaccination with mortality event notifications submitted to the FHI, 2024 wk 5 165,230 (24.53%), wk 6 42,855 (4.47%).

Mortalities for the last four weeks wk 9 36,638 (4.82%), wk 8 16498 (2.12%), wk 7 5965 (0.76%), wk 6 42855 (4.47%)

Two populations within the system LHS March 2023 and LHS May 2023 predominantly May 2023 cohort recorded the highest mortalities.

3 tanks were culled using ms222. 132,682 from tank 4, 68947 from tank 2 and 54024 from tank 7.

Treatments with formalin and salt for the saprolegnia however an issue with the supplier of salt prevented higher levels of salinity being achieved impacting on effectiveness

Furunculosis was confirmed by PCR (report issued on 23/2/2024) a treatment of Aquatet prescribed this was on-going on the day of inspection.

On inspection of the stocks no moribunds were observed, fish were showing a strong feeding response to the medicated feed.

Site thermometer used due to biosecurity protocols, thermometers are regularly checked against a mercury thermometer.

Paperwork inspected on the 4th and 5th March 2024, site inspection and VMD sampling on the 5th March 2024.



Case No:  Site No:

Date of Visit:  Inspector(s):

**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	<input type="text" value="7"/>	Facilities stocked	<input type="text" value="4"/>	No facilities inspected	<input type="text" value="7"/>
Species	<input type="text" value="SAL"/>	<input type="text" value="SAL"/>			
Age group	<input type="text" value="Mar-23"/>	<input type="text" value="May-23"/>			
No Fish	<input type="text" value="643,943"/>	<input type="text" value="80,000"/>			
Mean Fish Wt	<input type="text" value="55.6g"/>	<input type="text" value="45g"/>			
Next Fallow Date (Site)	<input type="text" value="April 2024"/>		Next Input Date (Site)	<input type="text" value="27 May 2024"/>	
Recent (last 4 wks) disease problems?			Any escapes (since last visit)?	<input type="text" value="Y"/>	
If yes, detail:	<input type="text" value="Furunculosis some fungus"/>				

**Movement Records**

1. Movement records available for inspection?

2. Date of last inspection:

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 (outwith 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?

If other detail:

3. Mortality records complete and correctly entered?

4. Recent mortality (last 4 wks):

5. Evidence of recent increased/atypical mortalities?

If yes, facility nos/no mortality per facility/no stock per facility/reason:

6. Any other peaks in mortality during period checked?

If yes, detail:

7. Have increased (unexplained) mortalities been reported to vet or FHI?

If yes, detail action:

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

**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:		

**Results of Surveillance**

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

Records checked between:	8/11/2023 to 4/3/2024
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Case no:  Site No:  Date of visit/  
Sampling:

Priority samples: VI  BA  PA  MG  HI

Time sampling starts/ends:   Inspector:  VMD No.

Environmental conditions: 1  2  3  4  5

Summary samples HIST  BA  MG  VI  PA  Total Samples

**Add Fish/Pools - click**

Pool/Fish No												
Fish nos	1-25	26-50	51-75	76-100								
Pool Group												
Species	SAL	SAL	SAL	SAL								
Average weight	55g	55g	55g	55g								
Sex	N/A	N/A	N/A	N/A								
Water Type	FW	FW	FW	FW								
Stock Details		Couldoran hatchery	Couldoran hatchery	Couldoran hatchery	Applecross hatchery							
	Stock Origin											
Facility No	6	1	5	3								



Case Number:	2024-0059	Site No:	FS0500	Insp:		
Date of Visit	04/03/2024	<b>No of movements/supp./dest.</b>			<b>Score</b>	
<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	
	Number of suppliers	0	5	10	14	0
Movements off	Frequency of movements off	0	3	6	10	10
	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				
	Common processes with other farms	3				3
	Collection point for waste from other farms	5				
Use of unpasteurised feeds	No feeding of unpasteurised feed	0				0
	Feeding unpasteurised feed	5				
<b>Biosecurity</b>		<b>1</b>	<b>2 or 3</b>	<b>≥ 4</b>		
Contacts with other sites	Sites operating from single shorebase	0	1	2		2
	Sites sharing staff and equipment	0	1	2		2
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				0
	No	3				
Platform access to cages	Yes	0				0
	No	2				
<b>Total Rank</b>					<b>20</b> <b>MEDIUM</b>	

Case No: **2024-0059**

Site No: **FS0500**

**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?  N
2. Are measures in place to mitigate against the predation experienced on site? (Detail below)  Y

**Site 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?  N  
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)  y



# FISH HEALTH INSPECTORATE VISIT REPORT

## SUMMARY FOR INFORMATION OF SITE OPERATOR

<b>BUSINESS No</b>	FB0169	<b>DATE OF VISIT</b>	04/03/2024 & 5/3/2024
<b>SITE No</b>	FS0500	<b>SITE NAME</b>	Applecross Smolt Unit
<b>CASE No</b>	20240059	<b>INSPECTOR</b>	██████████

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

The above site was inspected following reports of increased mortality by the farm operator. The inspection was conducted in conjunction with a veterinary officer from the Animal and Plant Health Agency (APHA). A separate report will be issued by the Animal and Plant Health Agency.

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 medium. An inspection under the Aquatic Animal Health (Scotland) Regulations 2009 will be conducted every second 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.

Mortality levels had exceeded the reporting criteria since the last inspection and had been reported to the Fish Health Inspectorate as required.

Reports detailing the results of animal health surveillance carried out by or on behalf of the business and/or Marine Directorate were available for inspection.

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

### Inspection under the Animals and Animal Products (Examination for Residues and Maximum Residue Limits) (England and Scotland) Regulations 2015

Medicine records were inspected and found to be adequately maintained.

Samples were taken to be analysed for veterinary residues.

R04



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

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

On this occasion the site was found to be satisfactory.

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

Signed:



Date: 15/03/2024

Fish Health Inspector

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Scottish Government website at [Fish Health Inspectorate Service Charter - gov.scot \(www.gov.scot\)](https://www.gov.scot/resources/consultations-policies/fish-health-inspectorate-service-charter/)

Case No: 2024-0060 Date of visit: 05/03/2024

Time spent on site: 2h Main Inspector: [Redacted]

Site No: FS0301 Site Name: Couldoran Hatchery  
Business No: FB0169 Business Name: Bakkafrost Scotland

Case Types: 1 ECI 2 CNI 3 4 5 6

Water Temp (°C): 11.9 Thermometer No: Site FHI 045 completed Y

Observations: Region: HI Water type: F 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:  
[Redacted]

**Additional Case Information:**

Issues with stock in April following a change in feed, poor growth and increased mortalities were reported, disease screening was conducted no significant pathogens identified. This continued through May with elevated mortalities reported. The fish were transferred to a new diet by the end of May with mortalities reducing.

ERM was identified during June 2023, a second dip vaccination was administered and issue resolved without further treatment though July.

Recirc unit is at 11.5 degrees, remaining tanks at 11.9 degrees. site thermometer used for biosecurity, thermometers are calibrated by biology department, also hand held probe used to calibrate as well.

Peaks in mortality 2023 wk 9 2643 (1.24%) Fungus, wk 17 13641 (0.97%), wk 18 66599 (4.77%), wk 19 72492 (5.45%), wk 20 96736 (7.96%), wk 21 (95941 (8.26%), wk 22 51208 (4.81%),

Mort last four weeks wk 10 828 (0.03%), wk 9 3599 (0.14%), wk 8 8762 (0.33%), wk 7 5978 (0.23%) mainly first feeding poor doers.

Case No:  Site No:

Date of Visit:  Inspector(s):

**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	<input type="text" value="58"/>	Facilities stocked	<input type="text" value="32"/>	No facilities inspected	<input type="text" value="58"/>
Species	<input type="text" value="SAL"/>	<input type="text" value="SAL"/>			
Age group	<input type="text" value="fry"/>	<input type="text" value="August"/>			
No Fish	<input type="text" value="1,683,827"/>	<input type="text" value="908,411"/>			
Mean Fish Wt	<input type="text" value="0.7g"/>	<input type="text" value="5.2g"/>			
Next Fallow Date (Site)	<input type="text" value="on-going cycle"/>		Next Input Date (Site)	<input type="text" value="20th April"/>	
Recent (last 4 wks) disease problems?			<input type="text" value="Y"/>	Any escapes (since last visit)?	<input type="text" value="N"/>
If yes, detail:	<input type="text" value="fungus (in the recirc unit August 2023 stock)"/>				

**Movement Records**

1. Movement records available for inspection?

2. Date of last inspection:

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 (outwith 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?

If other detail:

3. Mortality records complete and correctly entered?

4. Recent mortality (last 4 wks):

5. Evidence of recent increased/atypical mortalities?

If yes, facility nos/no mortality per facility/no stock per facility/reason:

6. Any other peaks in mortality during period checked?

If yes, detail:

7. Have increased (unexplained) mortalities been reported to vet or FHI?

If yes, detail action:

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

**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:		

**Results of Surveillance**

1. Has any animal health surveillance been carried out by, or on behalf of, the business?	<input type="checkbox"/>	Y
2. If yes, are results available for inspection?	<input type="checkbox"/>	Y
3. Any significant results?	<input type="checkbox"/>	Y
If yes, detail (if not detailed under recent disease problems).	ERM identified no treatments required	

Records checked between:	12/5/2022 to 5/3/2024
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Case Number:	2024-0060	Site No:	FS0301	Insp:	
Date of Visit	05/03/2024	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
	Frequency of movements on from equivalent zone or compartment including third country	0	9	18	26
	Number of suppliers	0	5	10	14
Movements off	Frequency of movements off	0	3	6	10
	Number of destinations	0	3	6	10
<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			
	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	
On farm processing within the rules of the directive	No on farm processing	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			
	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			
<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	
	Sites sharing staff and equipment	0	1	2	
Disinfection of equipment between sites, use of footbaths etc	Yes	0			
	No	1			
<b>CoGP/Regulator</b>					
Practices in accordance with regulator or industry code of practice	Yes	0			
	No	3			
Platform access to cages	Yes	0			
	No	2			
				<b>Total Rank</b>	<b>19</b> <b>MEDIUM</b>

Case No: **2024-0060**

Site No: **FS0301**

**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?  N
2. Are measures in place to mitigate against the predation experienced on site? (Detail below)  Y

Some of the site is indoors, outside tanks are fully enclosed with tarp lids securely tied  
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?  N  
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)  Y





# FISH HEALTH INSPECTORATE VISIT REPORT

## SUMMARY FOR INFORMATION OF SITE OPERATOR

<b>BUSINESS No</b>	FB0169	<b>DATE OF VISIT</b>	05/03/2024
<b>SITE No</b>	FS0301	<b>SITE NAME</b>	Couldoran Hatchery
<b>CASE No</b>	20240060	<b>INSPECTOR</b>	██████████

### 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 medium. An inspection under the Aquatic Animal Health (Scotland) Regulations 2009 will be conducted every second 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.

Mortality levels had exceeded the reporting criteria since the last inspection and had been reported to the Fish Health Inspectorate as required.

Reports detailing the results of animal health surveillance carried out by or on behalf of the business and/or Marine Directorate were available for inspection.

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

### Inspection under the Animals and Animal Products (Examination for Residues and Maximum Residue Limits) (England and Scotland) Regulations 2015

Medicine records were inspected and found to be adequately maintained.

R04

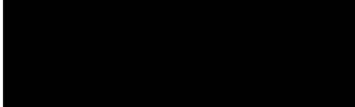
## Inspection under the Aquaculture and Fisheries (Scotland) Act 2007

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

On this occasion the site was found to be satisfactory.

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

Signed:



Date: 15/03/2024

Fish Health Inspector

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Scottish Government website at [Fish Health Inspectorate Service Charter - gov.scot](http://www.gov.scot) ([www.gov.scot](http://www.gov.scot))

Case No: 2024-0061 Date of visit: 05/03/2024

Time spent on site: 1h Main Inspector: [Redacted]

Site No: FS1051 Site Name: Couldoran Incubation Unit  
Business No: FB0169 Business Name: Bakkafrost Scotland

Case Types: 1 ECI 2 CNI 3 4 5 6

Water Temp (°C): 4.4 Thermometer No: Site FHI 045 completed Y

Observations: Region: HI Water type: F 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:  
[Redacted]

**Additional Case Information:**

Site thermometer used for biosecurity reasons the thermometer calibrated every two years by the lab, checked regularly with hand held probe.

Native Hebridean stock on site.

Four inputs each year.

Peaks in mortality 2023 wk 39 26378 (2.15%) (issue with a blocked pipe one tray affected). 2024 wk 01 58605 (3.24%) water quality due to blocked pipe, wk 4 37694 (2.14%) water quality issue due to blocked pipe.

Morts last 4 weeks w9 9 153592 (9.22%) failed hatch, wk 8 15216 (0.91%) failed hatch, wk 7 3653 (0.22%), wk 6 Fallow.

Buffodiene the only treatment used on site.

Case No:  Site No:

Date of Visit:  Inspector(s):

**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	1 hatchery	Facilities stocked	1 hatchery	No facilities inspected	1 hatchery
Species	SAL				
Age group	2024 Feb				
No Fish	1,512,084				
Mean Fish Wt	N/A				
Next Fallow Date (Site)	April 22nd	Next Input Date (Site)	May 2024		
Recent (last 4 wks) disease problems?		N	Any escapes (since last visit)?		N
If yes, detail:	<input type="text" value=""/>				

**Movement Records**

1. Movement records available for inspection?

2. Date of last inspection:

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 (outwith 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?

If other detail:

3. Mortality records complete and correctly entered?

4. Recent mortality (last 4 wks):

5. Evidence of recent increased/atypical mortalities?

If yes, facility nos/no mortality per facility/no stock per facility/reason:

6. Any other peaks in mortality during period checked?

If yes, detail:

7. Have increased (unexplained) mortalities been reported to vet or FHI?

If yes, detail action:

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)?	<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"/>	Y
3. Are records complete and correctly entered?	<input type="checkbox"/>	Y
4. Are fish in a withdrawal period?	<input type="checkbox"/>	N/A
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"/>	Y
2. If yes, are results available for inspection?	<input type="checkbox"/>	Y
3. Any significant results?	<input type="checkbox"/>	N
If yes, detail (if not detailed under recent disease problems). <input type="text"/>		

Records checked between:	<input type="text"/>
	16/5/2023 to 4/3/2024

Case Number:	2024-0061	Site No:	FS1051	Insp:	
Date of Visit	05/03/2024	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
	Frequency of movements on from equivalent zone or compartment including third country	0	9	18	26
	Number of suppliers	0	5	10	14
Movements off	Frequency of movements off	0	3	6	10
	Number of destinations	0	3	6	10
<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			
	Farm is on-line or in a coastal zone with category I farms upstream or within 1 tidal excursion	1	2	4	1
	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			
	Common processes with other farms	3			3
	Collection point for waste from other farms	5			
Use of unpasteurised feeds	No feeding of unpasteurised feed	0			0
	Feeding unpasteurised feed	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	1
	Sites sharing staff and equipment	0	1	2	1
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			0
	No	3			
Platform access to cages	Yes	0			0
	No	2			
				<b>Total Rank</b>	<b>26</b> <b>HIGH</b>

Case No: 2024-0061

Site No: FS1051

**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)
- site 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)





# FISH HEALTH INSPECTORATE VISIT REPORT

## SUMMARY FOR INFORMATION OF SITE OPERATOR

<b>BUSINESS No</b>	FB0169	<b>DATE OF VISIT</b>	05/03/2024
<b>SITE No</b>	FS1051	<b>SITE NAME</b>	Couldoran Incubation Unit
<b>CASE No</b>	20240061	<b>INSPECTOR</b>	██████████

### **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 high. An inspection under the Aquatic Animal Health (Scotland) Regulations 2009 will be conducted annually. 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.

Reports detailing the results of animal health surveillance carried out by or on behalf of the business and/or Marine Directorate were available for inspection.

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

### **Inspection under the Animals and Animal Products (Examination for Residues and Maximum Residue Limits) (England and Scotland) Regulations 2015**

Medicine records were inspected and found to be adequately maintained.

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

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

R04

On this occasion the site was found to be satisfactory.

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

Signed:



Date: 15/03/2024

Fish Health Inspector

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Scottish Government website at [Fish Health Inspectorate Service Charter - gov.scot \(www.gov.scot\)](https://www.gov.scot/policies/fish-health-inspectorate/)

Case No: 2024-0062 Date of visit: 06/03/2024

Time spent on site: 4h Main Inspector: [REDACTED]

Site No: FS1310 Site Name: Loch Pooltiel

Business No: FB0134 Business Name: Kames Fish Farming Ltd

Case Types: 1 ECS 2 CNI 3 SLI 4 ESC 5 VMD 6 [REDACTED]

Water Temp (°C): 8.1 Thermometer No: T173 FHI 045 completed N/A

Observations: Region: HI Water type: S CoGP MA: M-25

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: [REDACTED]

**Additional Case Information:**

Mortalities for the last four weeks: wk 10 513 (0.23%), wk 9 1143 (0.51%), wk 8 1355 (0.59), wk 7 582 (0.25).

Morts have been uplifted by Billy Bowie when required.

Predator control plan was being updated when onsite. Anti predator measures for seals include net management (Knox nets used through the online portal, all seal pro nets used with a double panel at the water line. The seal pro nets have proven to be effective at preventing seal damage to the material.

A seal was observed entering the pen (13th Feb 2024) over the handrail, this was due to a handrail tie coming loose after a period of poor weather, no damage was found on the net by divers (this was reported to the FHI.)

Daily containment checks: no set procedure currently used however looking to implement the company standard procedure. If repairs are made these are recorded in the diary and also through the dive reports. Some top nets are secured to walkways using bungee cords, this has shown to be effective due to the issues with waves and winds. The manager is looking to fit bungee cords to secure all top nets.

Divers onsite generally once a week, this is for net inspections and mort removal. Wildlife diary is maintained to monitor predator threats.

Site inspected to conduct a 30 fish test for ISA due to no active salmon farms operating within the DMA. The sampling was previously attempted on the 21/2/2024 but was stormed off (case 2024 0038). FMS was inspected at this time and the surveillance frequency assessed therefore not required for this inspection.

Case No:  Site No:

Date of Visit:  Inspector(s):

**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	<input type="text" value="10"/>	Facilities stocked	<input type="text" value="9"/>	No facilities inspected	<input type="text" value="10"/>
Species	<input type="text" value="2.25"/>				
Age group	<input type="text" value="2022 Q4"/>				
No Fish	<input type="text" value="224,546"/>				
Mean Fish Wt	<input type="text" value="2.25 kg"/>				
Next Fallow Date (Site)	<input type="text" value="September 2024"/>	Next Input Date (Site)	<input type="text" value="November 2024"/>		
Recent (last 4 wks) disease problems?	<input type="text" value="N"/>		Any escapes (since last visit)?	<input type="text" value="N"/>	
If yes, detail:	<input type="text" value=""/>				

**Movement Records**

- 1. Movement records available for inspection?
- 2. Date of last inspection:
- 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 (outwith 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?
- If other detail:
- 3. Mortality records complete and correctly entered?
- 4. Recent mortality (last 4 wks):
- 5. Evidence of recent increased/atypical mortalities?
- If yes, facility nos/no mortality per facility/no stock per facility/reason:
- 6. Any other peaks in mortality during period checked?
- If yes, detail:
- 7. Have increased (unexplained) mortalities been reported to vet or FHI?
- If yes, detail action:
- 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)?	<input type="checkbox"/>	Y
If yes, detail:	TMS	
If other, detail:		
2. Medicines records available for inspection?	<input type="checkbox"/>	Y
3. Are records complete and correctly entered?	<input type="checkbox"/>	Y
4. Are fish in a withdrawal period?	<input type="checkbox"/>	Y
5. If yes, what treatment(s)?	TMS	
If other, detail:		
6. Are medicines stored appropriately?	<input type="checkbox"/>	Y

**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"/>	
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:		

**Results of Surveillance**

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

Records checked between:	21/2/2024 to 6/3/2024
--------------------------	-----------------------

Case no:  Site No:  Date of visit/  
Sampling:

Priority samples: VI  BA  PA  MG  HI

Time sampling starts/ends:   Inspector:  VMD No.

Environmental conditions: 1  2  3  4  5

Summary samples HIST  BA  MG  VI  PA  Total Samples

**Add Fish/Pools - click**

Pool/Fish No	P1	P2	P3	P4	P5	P6							
Fish nos	1-5	6-10	11-15	16-20	21-25	26-30							
Pool Group													
Species	RTR	RTR	RTR	RTR	RTR	RTR							
Average weight	3kg	3kg	3kg	3kg	3kg	3kg							
Sex	N/A	N/A	N/A	N/A	N/A	N/A							
Water Type	SW	SW	SW	SW	SW	SW							
Stock Details		Glenkens and Torhouse	Glenkens and Torhouse	Glenkens and Selcoth	Glenkens and Selcoth	Glenkens and Loch Avich	Glenkens and Loch Avich						
	Stock Origin												
Facility No	8	8	5	5	10	10							





Case No:

2024-0062

Site No:

FS1310

**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) fallowed 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)

Weighted nets, Top nets, seal pro nets, frequent mort removal, weekly diver inspection (if possible), wildlife diary  
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)

	N
	Y
nd	Y
a	
a (or	Y
	Y
	Y
e	Y
ove	N
	N/A
	N
criteria	N/A
	N/A
	N/A
	Y
	Y
ios	Y
	N/A
	Y
	Y
	N
egal,	
	Y

Site No: FS1310

Case No: 2024-0062

Nature of non-compliance:

Action taken (FHI):

Non-compliance relevant to (delete): VirologyMolGen/Bacteriology/Histology/Parasitology





# FISH HEALTH INSPECTORATE VISIT REPORT

## SUMMARY FOR INFORMATION OF SITE OPERATOR

**BUSINESS No** FB0134  
**SITE No** FS1310  
**CASE No** 20240062

**DATE OF VISIT** 06/03/2024  
**SITE NAME** Loch Pooltiel  
**INSPECTOR** [REDACTED]

### Case completion report

Recommendations in relation to the above case were made for implementation by 3<sup>rd</sup> May 2024. Following submission of the required documentation, evidence has now been provided to the Fish Health Inspectorate to demonstrate that the recommendations have been implemented.

This case will now be closed. This site may be subject to further audit and recommendations in the future.

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

Signed:

[REDACTED]

Fish Health Inspector

Date: 30/4/2024

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# FISH HEALTH INSPECTORATE VISIT REPORT

## SUMMARY FOR INFORMATION OF SITE OPERATOR

**BUSINESS No** FB0134

**SITE No** FS1310

**CASE No** 20240062

**DATE OF VISIT** 06/03/2024

**SITE NAME** Loch Pooltiel

**INSPECTOR** [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.

Due to the site being stocked with rainbow trout and the only active site in the Disease Management Area (DMA), a thirty fish sample was conducted to test for the presence of infectious salmon anaemia virus (ISAv).

### Samples

30 Atlantic salmon were tested for the presence of infectious salmon anaemia virus (ISAv). Samples were collected according to the table below:

Fish number	Pool number	Facility number	Stage	Origin
1-5	1	8	2.25 kg grower	Glenkens and Torhouse
6-10	2	8	2.25 kg grower	Glenkens and Torhouse
11-15	3	5	2.25 kg grower	Glenkens and Selcoth
16-20	4	5	2.25 kg grower	Glenkens and Selcoth
21-25	5	10	2.25 kg grower	Glenkens and Loch Avich
26-30	6	10	2.25 kg grower	Glenkens and Loch Avich

The samples tested **negative** for ISAv.

### Records

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.

R25

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 Directorate since the last Marine Directorate inspection.

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

### **Inspection under the Animals and Animal Products (Examination for Residues and Maximum Residue Limits) (England and Scotland) Regulations 2015**

Medicine records were inspected and found to be adequately maintained.

Samples were taken to be analysed for veterinary residues.

### **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 section 3 regarding parasites (sea lice) and section 5 regarding containment and escapes.

On this occasion the site was found to be satisfactory with regards to parasites.

The predator control plan was being reviewed at the time of inspection, an assessment could not be made to determine if satisfactory predator exclusion measures are in place.

Given that there has been a history of escapes or circumstances that gave rise to a suspicion that an escape may have occurred, the updated predator control plan should be submitted for inspection.

Please ensure that these points have been addressed by 3<sup>rd</sup> May 2024. Records or documentation should be sent to the Fish Health Inspectorate (contact details below). The site may be subject to further inspection or enforcement action should the appropriate action regarding the above points not be taken within the time period stipulated.

Please contact myself or the duty inspector should you require any assistance or clarification in implementing any requirement or recommendation detailed in this report.

Signed:



Fish Health Inspector

Date: 05/04/2024

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R25





# FISH HEALTH INSPECTORATE VISIT REPORT

## SUMMARY FOR INFORMATION OF SITE OPERATOR

<b>BUSINESS No</b>	FB0134	<b>DATE OF VISIT</b>	06/03/2024
<b>SITE No</b>	FS1310	<b>SITE NAME</b>	Loch Pooltiel
<b>CASE No</b>	20240062	<b>INSPECTOR</b>	[REDACTED]

### Escape Investigation

The site was inspected following notification of an escape of 6 rainbow trout on the 2/11/2023 and a notification of circumstances which gave rise to a significant risk of escape of rainbow trout on the 13/2/2024 (Escape incident numbers MSe021123RTR1 and MSe130224RTR1 respectively).

Please refer to the report issued on the 5/4/2024 for further details of the inspection.

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

Signed:

[REDACTED]

Date: 1/5/2024

Fish Health Inspector

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Scottish Government website at [Fish Health Inspectorate Service Charter - gov.scot \(www.gov.scot\)](https://www.gov.scot/policies/fish-health-inspectorate/)

Case No: 2024-0063 Date of visit: 25/03/2024

Time spent on site: 1.5hrs Main Inspector: [Redacted]

Site No: SS0909 Site Name: The Boom  
Business No: SB0573 Business Name: The Oyster Restoration Company Ltd

Case Types: 1 ECI 2 [ ] 3 [ ] 4 [ ] 5 [ ] 6 [ ]

Water Temp (°C): 8 Thermometer No: T152 FHI 045 completed [ ]

Observations: Region: HI 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:  
[Redacted]

**Additional Case Information:**

Whole site is never fallow, but individual areas/zones are fallowed, cleaned and disinfected before each new batch arrival which generally happens twice per year.

Mortalities on the site are stored in freezers on site (area specific) for 48hrs before the tissue is removed and returned to the freezer for storage until enough has accumulated for uplift. No waste has been removed from the site since authorisation, however BMP details that this waste will be transported to Gairloch landfill for deep burial. Empty shells are cleaned and disinfected before use as spat substrate to encourage settlement.

4,108 mortalities have been recorded across the site since the last inspection (not including larvae and spat). 3,128 of those occurred in the 6months following the last inspection in May 23 and were attributed to transport losses while moving the stock from Orkney in June 23 during a period of warm weather in combination with spawning losses. A further event in August 23 where the cooler failed in the coldstore resulting in warmer water entering the facilities and causing slightly elevated mortalities. The remainder of the total mortalities (980) were recorded since December 23 until present.

Site generally receives wildcaught oysters from Loch Ryan. These are unpacked in one of the shipping containers, cleaned and scrubbed before placing in tanks within the container. 30 individuals are sampled from each batch for Bonamia testing. eDNA testing is also completed by XSelect for Bonamia prior to that batch being moved into the main hatchery.

Site is hoping to get involved in a selective breeding programme in collaboration with Roslin next year; whereby removing individuals from Bonamia positive areas and selectively breeding from those with natural resistance.

Site doesn't hold adult lifestage (bigger than spat but smaller than broodstock). Spat is normally sent off site to a farm for ongrowing.

Broodstock are split into 2 zones with different water temperatures. One zone was spawning, the larvae was inspected and broodstock appeared in good condition.

Case No:  Site No:

Date of Visit:  Inspector(s):

**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	<input type="text" value="45"/>	Facilities stocked	<input type="text" value="21"/>	No facilities inspected	
Species	<input type="text" value="OED"/>	<input type="text" value="OED"/>	<input type="text" value="OED"/>		
Age group	<input type="text" value="Wildcaught"/>	<input type="text" value="2023"/>	<input type="text" value="2024"/>		
No Fish	<input type="text" value="7,690"/>	<input type="text" value="14,329"/>	<input type="text" value="13,729"/>		
Mean Fish Wt	<input type="text" value="90-100g"/>	<input type="text" value("&lt;0.2mm)"=""/>	<input type="text" value("&lt;0.2mm)"=""/>		
Next Fallow Date (Site)	<input type="text" value="Never fallow."/>		Next Input Date (Site)	<input type="text" value="Nov 24"/>	
Recent (last 4 wks) disease problems?	<input type="text" value="N"/>		Any escapes (since last visit)?	<input type="text"/>	
If yes, detail:	<input type="text"/>				

**Movement Records**

1. Movement records available for inspection?

2. Date of last inspection:

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 (outwith 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?

If other detail:

3. Mortality records complete and correctly entered?

4. Recent mortality (last 4 wks):

5. Evidence of recent increased/atypical mortalities?

If yes, facility nos/no mortality per facility/no stock per facility/reason:

6. Any other peaks in mortality during period checked?

If yes, detail:

7. Have increased (unexplained) mortalities been reported to vet or FHI?

If yes, detail action:

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?

2. Has the manner and frequency of mortality removal, recording and safe disposal been considered?

3. Has the manner and period in which the APB will notify Scottish Ministers or veterinary professional of any *increased (unexplained)* mortality at the site been included?

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 *how* and *when* that will be notified to Scottish Ministers?

5. Has the health status of aquaculture animals being stocked on the farm site been covered (equal or higher health status, certification if required)?

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.)?

7. Is documentation available regarding the measures in place to maintain the physical containment of aquaculture animals held on site?

8. Have the biosecurity procedures been adequately implemented on site?

If no, detail:

Staff member was observed wearing zone specific PPE outwith intended zone. Site staff reminded to biosecurity measures plan.

**Results of Surveillance**

1. Has any animal health surveillance been carried out by, or on behalf of, the business?

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:

31/05/23 - 25/03/24

45
N
Y
N
N/A
N/A
N/A
Y
Y
N
Y
N/A
N/A



Case Number:	2024-0063	Site No:	SS0909
Date of Visit	25/03/2024	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
			25
			3
			0
<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
			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
			2
			6
			6
			0
			3
			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
			2
			6
			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
			5
		Yes	No
	Disinfection of equipment between sites, use of footbaths etc	0	2
			0
			2
			0
<b>Total Risk</b>			34
			<b>HIGH</b>







# FISH HEALTH INSPECTORATE VISIT REPORT

## SUMMARY FOR INFORMATION OF SITE OPERATOR

<b>BUSINESS No</b>	SB0573	<b>DATE OF VISIT</b>	25/03/2024
<b>SITE No</b>	SS0909	<b>SITE NAME</b>	The Boom
<b>CASE No</b>	20240063	<b>INSPECTOR</b>	██████████

### 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 high. An inspection under the Aquatic Animal Health (Scotland) Regulations 2009 will be conducted annually. 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 found to be inadequately maintained.

Mortality records were inspected and found to be adequately maintained.

Reports detailing the results of animal health surveillance carried out by or on behalf of the business and/or Marine Directorate were available for inspection.

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

The following points were raised with the site representative during the inspection:

- Site-specific 'SS' numbers were not recorded in the movement records. These should always be included to facilitate traceability in the event of a disease outbreak. This was discussed with the site manager who has agreed to include these going forward. No further action required.

- The biosecurity measures plan included measures that were no longer being implemented on the site. A review was conducted, and the BMP amended accordingly. Additionally, the biosecurity measures that were detailed in the plan and being implemented on site, were observed to have not been followed. Site staff were reminded to follow the biosecurity measures detailed in the plan to mitigate the risk of introducing and spreading disease. No further action required.

Please contact myself or the duty inspector should you require any assistance or clarification in implementing any requirement or recommendation detailed in this report.

Signed:



Date: 08/04/2024

Fish Health Inspector

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Scottish Government website at [Fish Health Inspectorate Service Charter - gov.scot \(www.gov.scot\)](https://www.gov.scot/policies/fish-health-inspectorate/)

Case No: 2024-0064 Date of visit: 26/03/2024

Time spent on site: 4hrs Main Inspector: [Redacted]

Site No: FS0549 Site Name: Tanera  
Business No: FB0125 Business Name: Scottish Sea Farms Ltd

Case Types: 1 ECI 2 CNI 3 SLA 4 VMD 5 [ ] 6 [ ]

Water Temp (°C): 8.3 Thermometer No: T152 FHI 045 completed [ ]

Observations: Region: HI Water type: S CoGP MA: M-10

Dead/weak/abnormally behaving fish present? [Y] If yes, see additional information/clinical score sheet.  
Clinical signs of disease observed? [Y] 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:  
[Redacted]

**Additional Case Information:**

## Mortalities over threshold:

Wk33: 1.3% (4,043)  
Wk37: 1.1% (3,367)  
Wk38: 3% (9,235)  
Wk41: 2.6% (7,636)  
Wk42: 6.5% (18,784)  
Wk43: 12.3% (33,604)  
Wk44: 9.6% (22,855)  
wk45 - 7.1% (15,357)  
Wk46 - 3.7% (7,476)  
Wk47 - 4.7% (11,145)  
Wk48 - 5.3% (13,444)  
Wk49 - 2.71% (6,685)  
Wk50 - 1.4% (3,288)

All mortality events have been attributed to poor gill health (CGD) combined with FW treatment losses in Wk48, 49 and 50 2023. Wrasse mortality since input for farmed stock was 45.69% and 27.28% for wildcaught stock.

Average adult female leps combined has remained below the CoGP treatment threshold since last EC inspection in April 2022.

Two batches of fish received onto site. One input in February 23, followed by a 2nd input in April 23 (within 6 weeks of each other). A mix of Fanads and Aquagens are currently on site and all came on through Barcaldine and Fada.

Site is stocked with a mix of farmed and wildcaught wrasse and site manager reported them to be effective at controlling sea lice on the site.

Lesions have been observed on some fish across site but appear to be healing well. Fish are being fed a skin assist diet to aid recovery and will soon move onto a Resist X diet to support gut function.

SLICE was administered in February 24, following a peroxide treatment in Nov 23.

General population of fish on site appeared in good external health, with a handful of individuals across the site appeared in poor health and were exhibiting skin lesions. These were removed during the inspection and humanely culled. No other clinical signs of disease were observed so diagnostic samples were not taken on this occasion.

The fish sampled for VMD was clinically healthy externally and internally and demonstrated a good feed response. Gut was full of food on examination.

Remote inspection completed on 21/03/24. Site visited on 26/03/24.

Case No:  Site No:

Date of Visit:  Inspector(s):

**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	<input type="text" value="12"/>	Facilities stocked	<input type="text" value="12"/>	No facilities inspected	<input type="text" value="12"/>
Species	<input type="text" value="SAL"/> <input type="text" value="WRA"/>	<input type="text" value="WRA"/>			
Age group	<input type="text" value="23 Q2"/> <input type="text" value="Wildcaught"/>	<input type="text" value="Farmed"/>			
No Fish	<input type="text" value="222,123"/> <input type="text" value="8,868"/>	<input type="text" value="5,135"/>			
Mean Fish Wt	<input type="text" value="3.7kg"/> <input type="text" value="45g"/>	<input type="text" value="45g"/>			
Next Fallow Date (Site)	<input type="text" value="Sep/Oct 24"/>		Next Input Date (Site)	<input type="text" value="Feb/March 25"/>	
Recent (last 4 wks) disease problems?			Any escapes (since last visit)?	<input type="text" value="N"/>	
If yes, detail:	<input type="text" value="Low levels of AGD and CMS"/>				

**Movement Records**

- 1. Movement records available for inspection?
- 2. Date of last inspection:
- 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 (outwith 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?
- If other detail:
- 3. Mortality records complete and correctly entered?
- 4. Recent mortality (last 4 wks):
- 5. Evidence of recent increased/atypical mortalities?
- If yes, facility nos/no mortality per facility/no stock per facility/reason:
- 6. Any other peaks in mortality during period checked?
- If yes, detail:
- 7. Have increased (unexplained) mortalities been reported to vet or FHI?
- If yes, detail action:
- 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)?	<input type="checkbox"/>	Y
If yes, detail: <input type="text" value="Slice Optomease"/>		
If other, detail: <input type="text"/>		
2. Medicines records available for inspection?	<input type="checkbox"/>	Y
3. Are records complete and correctly entered?	<input type="checkbox"/>	Y
4. Are fish in a withdrawal period?	<input type="checkbox"/>	Y
5. If yes, what treatment(s)?	<input type="text" value="Slice Optomease"/>	
If other, detail: <input type="text"/>		
6. Are medicines stored appropriately?	<input type="checkbox"/>	Y

**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"/>	Y
2. If yes, are results available for inspection?	<input type="checkbox"/>	Y
3. Any significant results?	<input type="checkbox"/>	Y
If yes, detail (if not detailed under recent disease problems). <input type="text"/>		

Records checked between:	<input type="text" value="26/04/2022 - 21/03/24"/>
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Case no:  Site No:  Date of visit/  
 Sampling:

Priority samples: VI  BA  PA  MG  HI

Time sampling starts/ends:   Inspector:  VMD No.

Environmental conditions: 1  2  3  4  5

Summary samples HIST  BA  MG  VI  PA  Total Samples

**Add Fish/Pools - click**

Pool/Fish No													
Fish nos	F1												
Pool Group													
Species	SAL												
Average weight	3.7kg												
Sex	N/A												
Water Type	SW												
Stock Details	Stock Origin	Barcaldine Smolt Unit FS1328											
	Facility No	1											





Case Number:	2024-0064	Site No:	FS0549	Insp:		
Date of Visit	26/03/2024	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	10
	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				
	Farm is on-line or in a coastal zone with category I farms upstream or within 1 tidal excursion	1	2	4		2
	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				0
	Feeding unpasteurised feed	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		1
	Sites sharing staff and equipment	0	1	2		1
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				0
	No	3				
Platform access to cages	Yes	0				0
	No	2				
<b>Total Rank</b>					<b>17</b>	
<b>Rank</b>					<b>MEDIUM</b>	

Case No:

Site No:

**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)

Sealpro nets,  
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)

Case No: 2024-0064

Site No: FS0549

Date of Visit: 26/03/2024

Inspector: [REDACTED]

**Point of Compliance**

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

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?

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

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

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

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

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

**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?

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

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

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

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?

**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?

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

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?

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?

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

**Live Fish Movements**

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

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

**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: 2024-0064 Site No: FS0549

Date of visit: 26/03/2024 Inspector(s):

Point for consideration	Risk level	Satisfactory?	Requirement	Comments and advice given or action taken if necessary
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**ENHANCED SEA LICE INSPECTION CHECKLIST**

**a. Inspection of sea lice records**

1.1 Are sea lice count records available for inspection?	Medium	Y	CoGP 1.2.1, 1.2.2, Annex 6 SSI 1,2,	
1.2 Do records adequately reflect the required standard specified in the SSI <sup>1</sup> and the CoGP <sup>2</sup> ? (Counts should be weekly, record the person making the count, date of the count, number of fish sampled (should be 25), pen or facility number recorded, water temperature <sup>3</sup> , number of parasites observed and correct stages recorded <sup>4</sup> )	Low & Medium	Y		
1.3 Where weekly counts are not conducted is the reason for not conducting the count stated?	Low	Y	SSI 1,2(g)	
1.4 Is that reason considered acceptable by the Inspector? Give detail.	Low	Y		
1.5 Has the site experienced sea lice problems in the previous 4 years?		N	Detail if necessary:	

**b. Inspection of records relating to treatment and control of sea lice**

2.1 Has appropriate action been taken where: a) <i>L. salmonis</i> record levels have been above the suggested criteria for treatment?	High	N/A	CoGP Annex 6	Not been above the CoGP suggested criteria for treatment since last inspection. The average Caligus count (for all stages) has not been above 0.84 since the last inspection.
b) <i>C. elongatus</i> infestation is at a level considered to cause significant welfare problems	High	N/A	CoGP 4.3.81, 5.3.50	
2.2 Is therapeutic treatment initiated ASAP where required?	Medium	Y	CoGP 4.3.130, 5.3.84	Treatment records inspected and found to be adequately maintained.
2.3 Where medicines have been administered there should be a record of :			VMD <sup>12</sup> 19 SSI 1,3	
the name / identity of the product	High	Y		
the date of administration	High	Y		
the quantity (concentration and amount) administered	High	Y		
the method of administration of the product	High	Y		
the identification of the fish / facilities treated	High	Y		
name of the person administering the treatment	Low	Y		
the withdrawal period	Medium	Y		
2.4 If the medicine is administered by a veterinary surgeon:			VMD 18	

Point for consideration	Risk level	Satisfactory?	Requirement	Comments and advice given or action taken if necessary
the name of the veterinary surgeon	High	N/A		Prescriptions from the vet were available for inspection, however administration of medicines is conducted by a trained member of site staff.
name of the product	High	N/A		
batch number	High	N/A		
the date of administration	High	N/A		
amount administered	High	N/A		
identification of fish treated	High	N/A		
withdrawal period	Medium	N/A		
2.5 Have therapeutic treatments or the actions taken had a significant impact upon the lice levels recorded?	High	Y		
Inspect records to confirm. Significant impact - ≥50% reduction in site average <i>L.salmonis</i> numbers (all stages)				
2.6 If other methods are employed on site to control sea lice and their impact is there a record of:	Low	Y	SSI, 1,4	
the nature and date of the method employed; the identification number of all facilities subjected to the method; the name of the person employing the method				
2.7 Where medicines have been acquired is there a record of:			VMD 19	
proof of purchase of the medicine concerned	Medium	Y	VMD 17	
name of the product	High	Y		
batch number	High	Y		
the date of purchase	Medium	Y		
the quantity purchased	High	Y		
the name and address of the supplier	Medium	Y		
2.8 Where medicines have been disposed is there a record of:			VMD 19	
the date of disposal	Medium	N/A		Medicines are only supplied in the required quantity to complete the course of treatment. As such, no surplus is available. If medicines were to be disposed of, procedures are in place for appropriate disposal through the company vet.
the quantity of product involved	Medium	N/A		
how and where it was disposed of	Medium	N/A		
2.9 Are veterinary health plans available which detail bio-security protocols, preventative measures and treatments in relation to sea lice?	Medium	Y	CoGP 4.3.129, 5.3.83	
Consider the following points over a percentage of treatments conducted on site				
2.10 Has the recommended course of treatments been completed?	Medium	Y	CoGP 4.3.134, 5.3.88	

Point for consideration	Risk level	Satisfactory?	Requirement	Comments and advice given or action taken if necessary
2.11 If not, is there a recorded acceptable reason for not completing treatment?	Medium	N/A	CoGP 4.3.135, 5.3.89	All treatments, where conducted, have been completed as directed by the vet.  Instructions for administration were detailed on the prescriptions.
2.12 Was advice taken from the Veterinary surgeon in such circumstances?	Medium	N/A	CoGP 4.3.135, 5.3.89	
2.13 Are there clear written instructions regarding medicine use, available to those responsible for treatment administration?	Medium	Y	CoGP 4.3.133, 5.3.87	
2.14 Does the site have treatment discharge consents relevant to sea lice?		Y	Detail if necessary:	CAR licence.
<b>c. Inspection of records relating to farm management groups and farm management agreements or statements</b>				
3.1 Is there a nominated farmer acting as coordinator and point of contact for this farm or area inclusive of this farm?	Low	Y	SSI 1,5,b CoGP 4.3.75, 5.3.44	Detailed in the FMS.  One other site belonging to the same business falls within the area.  Company vet is available as required. VHWP and FMS consider the required points.  End of cycle and beginning of cycle summaries available in the VHWP.  Treatments, where conducted, are scheduled to be synchronous. Weekly counts on both sites are completed and records are shared. Bio-assays can be completed to determine sensitivity.
3.2 Is there a written undertaking that the farm will observe the provisions of the NTS <sup>6</sup> ?	Low	Y	CoGP 4.3.76, 5.3.45	
3.3 Has an area group been formed within the area containing the site?	Medium	Y	CoGP 4.3.77, 5.3.46	
3.4 Does the remit of the area group have appropriate veterinary involvement? Consider: -agreed basis for monitoring sea lice -coordinated monitoring and treatment -co-operation between participating farms	Medium	Y	CoGP 4.3.77, 5.3.46 SSI 1,5, c	
This may require follow up investigation conducted off site to determine				
3.5 Are records available of any decisions made by the FMG in relation to the prevention, control and reduction of parasites?	Low	Y	SSI 1, 5, c	
3.6 Where treatments have been administered is this done in accordance with principles to maximise the effectiveness of treatments, promote the minimal use of medicines consistent with the maintenance of high standards of fish welfare and help preserve their efficacy?  For example, the principles of ISLM include: Resistance monitoring – reporting suspected adverse drug event (SADE) to the VMD. The steps to determine if resistance is considered a reason for a suspected lack of efficacy (e.g. Bio-assay tests and results, seeking veterinary advice) Appropriate discharge consent in place Use of authorized medicines with veterinary instruction and advice as necessary Monitoring lice numbers Using an array of treatments where possible Treating all stocks on site at the same time	Medium	Y	4.3.82, 5.3.51	



Point for consideration	Risk level	Satisfactory?	Requirement	Comments and advice given or action taken if necessary
Avoiding the simultaneous use of different active ingredients Avoiding consecutive treatments of the same active ingredient, and certainly not on the same cohort of lice Routine removal of moribund fish and regular removal of mortalities.				
3.7 Are weekly monitoring results communicated to other farmers within the defined area?	High	Y	CoGP 4.3.78, 5.3.47	Both sites within the area belong to the same business so results are readily accessible.  As required.
3.8 Is this done 'as soon as reasonably possible where lice numbers exceed the suggested criteria for treatment'?	High	Y	CoGP 4.3.79, 5.3.48	
3.9 Is sea lice data and other information relevant to the management of sea lice provided to the SSPO?	Low	Y	CoGP 4.3.80, 5.3.49	
3.10 Are annual review meetings held by FMA groups to evaluate site performance against set criteria?	High	Y	CoGP 4.3.83, 5.3.52	
3.11 Is there a signed documented farm management agreement or farm management statement relevant to the site and CoGP Farm Management Area (or equivalent)?		Y	AFSA <sup>13</sup> 4A  Detail if necessary: CoGP 4.3.88, 5.3.57	
3.12 Are up to date copies of FMS available from other APB operating within the same FMA?	Medium	N/A	CoGP 4.3.89, 5.3.58	
3.13 Are significant changes to FMS notified to other companies within the FMA?	Medium	N/A	CoGP 4.3.90, 5.3.59	
3.14 Is there co-operation between APB's operating within the FMA in the development and implementation of FMAg?	Medium	N/A	AFSA 4B	
3.15 Are copies of FMS or FMAg available for inspection?	Medium	Y	CoGP 4.3.91, 5.3.60	
3.16 Does the FMS or FMAg take into account the relevant aspects regarding a sea lice control strategy?	Medium	Y	CoGP 4.3.92, 5.3.61	
3.17 If the FMA has been redefined , is there documented evidence to demonstrate that the risks to health within and outwith the area is not increased by the proposal?	High <sup>10</sup>	N/A	CoGP 4.3.100	
3.18 Is the CoGP Farm Management Area (or equivalent) followed synchronously on a single year class basis?	High	Y	CoGP 4.3.101	
3.19 If answered no to 3.18, then is there a documented risk assessment which meets the requirements of CoGP point 4.3.101?	High	N/A		
<b>d. Inspection of records relating to training and procedures</b>				
4.1 Is there a training programme or plan in place relevant to sea lice control for the site?	High	Y	CoGP 7.1.8	
4.2 Are training records available for relevant staff in relation to:			CoGP 4.1.6, 5.1.6 SSI, 1,1	
parasite identification	High	Y	CoGP 4.3.84-86,	
counting parasites (procedures for)	High	Y	5.3.53-55	
recording counts	High	Y		

Point for consideration	Risk level	Satisfactory?	Requirement	Comments and advice given or action taken if necessary
biology and life cycle of parasites symptoms of parasite infection in fish 4.3 Have staff been trained in the administration of treatments?	Low Low High	Y Y Y	CoGP 4.1.6, 5.1.6 CoGP 4.3.84, 5.3.53	
N.B. there is no legal requirement to maintain a record of this  Where records exist regarding SOPs and site procedures these should be inspected to confirm suitability				
<b>e. Inspection of site and site stock</b>				
5.1 Are medicines used, stored and disposed of safely?	Medium	Y	VMD schedule 5	Any medicines that are held on site are stored in a lockable chemical cabinet on the site barge.
5.2 Do the sea lice levels observed on stocks reflect sea lice count data?	High	Y		
5.3 Does the site appear satisfactory in terms of fish welfare relating to sea lice infestation?	High	Y		
<b>f. Inspection of farm count procedures</b>				
6.1 Are pens and fish sampled at random?	Low	Y	CoGP Annex 6, 4.3.84-86, 5.3.53-55	Sealice training has been completed by both members who were observed conducting the sealice count during the inspection. Training records inspected.
6.2 Have the personnel conducting counts had appropriate training in lice recognition and recording?	High	Y		
(Cross reference to training records – Section d) 6.3 Can such personnel demonstrate post training competence?	High	Y	CoGP 4.3.85, 5.3.54	Accurate identification of species and lifestage was observed during the inspection Five cages were sampled at random and five fish were selected from each. After each cage, any sealice that remained in the tub of anaesthetic were also counted and recorded.
6.4 Do the sample sizes and methods of sampling match the CoGP suggested protocol (detailed iii – vii)?	Medium	Y	Annex 6	
N.B. Other strategies are acceptable if considered adequate in the control and reduction of sea lice 6.5 Is identification and recording of sea lice count information including species and stages observed to be correct?	High	Y	Annex 6	
Minimum recording requirements within the CoGP and NTS are: for Caligus elongatus all identifiable stages and for Lepeophtheirus salmonis chalimus, mobiles and adult females (with or without egg strings) <sup>11</sup> 6.6 Is the transfer of data from field counts to records observed to be satisfactory?	Medium	Y		
<b>g. Inspection of treatment administration procedures</b>				
7.1 Are treatments considered to be administered in an appropriate competent manner?	High	Y		Manufacturers instructions were followed and correct dosage was used for the volume of water.

Point for consideration	Risk level	Satisfactory?	Requirement	Comments and advice given or action taken if necessary
Consider appropriate use of tarpaulins; completion of medication per prescription, correct concentrations, mixing and administrations, appropriate product used				
<b>7.2 Is accurate information provided to the attending veterinary surgeon for dosage calculation?</b>	High	N/A	CoGP 4.3.131, 5.3.85	A vet was not on site on the day of inspection. Site staff were observed administering the anaesthetic, following manufactureres instructions.
7.3 Are the fish under consideration being given any other medication, or are they in a withdrawal period for any other medication?		Y		Fish were in withdrawel for SLICE on the day of inspection.
<b>7.4 If so, has the prescribing veterinary surgeon been informed of this?</b>	Medium	N/A	CoGP 4.3.132, 5.3.86	
<b>7.5 Are clear instructions for medication, dosage and administration communicated to the staff responsible for treatment?</b>	High	Y	CoGP 4.3.133, 5.3.87	

Additional actions	Powers	Comments and advice given or action taken if necessary
<b>h. FHI sea lice counts</b> If necessary conduct a sea lice count in accordance with the protocol of the CoGP. Indicate where this procedure has been done and make a record of results within the comments box	Power granted under the Act – section 3 (2) (a)	
<b>i. Collection of samples</b> If necessary collect samples. Indicate if samples have been taken and detail what those samples are and the purpose of their collection	Power granted under the Act – section 3 (3) (a)	
<b>j. Enforcement Notice.</b> If an enforcement notice has been issued then maintain a copy / duplicate and record detail  Guidance on completing the Enforcement Notice	Power granted under the Act – Section 6 (2)	

[1] Scottish Statutory Instrument – The Fish Farming Businesses (Record Keeping) (Scotland) Order 2008  
 [2] A Code of Good Practice for Scottish Finfish Aquaculture  
 [3] Water temperature to be measured at the half way point of the depth of the facility containing the fish, or as close to as possible. For SW cage sites one reading per count may be s  
 [4] Recording requirements:- for C. elongatus – all identifiable stages and for L. salmonis - mobiles and adult females (with or without egg strings)  
 [5] Area refers to management area as specified within Part 3 of the industry CoGP or as redefined appropriately  
 [6] For reference Annex 6 of the CoGP provides the detail of the NTS

Point for consideration	Risk level	Satisfactory?	Requirement	Comments and advice given or action taken if necessary
[7] FMA = Farm Management Area				
[8] FMS = Farm Management Statement				
[9] FMAg = Farm Management Agreement				
[10] No further action may be required when answering no to this point and yes to 3.18				
[11] Legal recording requirements within the SSI stipulate – for Caligus elongatus: mobiles; and for Lepeophtheirus salmonis: non-gravid mobiles and gravid females.				
[12] VMD - The Veterinary Medicines Regulations 2013 (SI 2013 No 2033)				
[13] AFSA - Aquaculture and Fisheries (Scotland) Act 2007 (as amended)				





# FISH HEALTH INSPECTORATE VISIT REPORT

## SUMMARY FOR INFORMATION OF SITE OPERATOR

<b>BUSINESS No</b>	FB0125	<b>DATE OF VISIT</b>	26/03/2024
<b>SITE No</b>	FS0549	<b>SITE NAME</b>	Tanera
<b>CASE No</b>	20240064	<b>INSPECTOR</b>	██████████

### ENHANCED SEA LICE INSPECTION

An enhanced sea lice inspection to ascertain the levels of sea lice and for assessing the measures in place for the prevention, control and reduction of sea lice was conducted in accordance with the Aquaculture and Fisheries (Scotland) Act 2007.

The visit consisted of an inspection of records with regards to sea lice, the stock on site, site procedures with regards to sea lice and the provision of advice.

#### **a) Inspection of sea lice records**

The site meets the requirement of current Scottish industry best practice. There were no recommendations made and no further action is required.

#### **b) Inspection of records relating to treatment and control of sea lice**

The site meets the requirement of current Scottish industry best practice. There were no recommendations made and no further action is required.

#### **c) Inspection of records relating to farm management groups and area management agreements.**

The site meets the requirement of current Scottish industry best practice. No recommendations made and no further action is required.

#### **d) Inspection of records relating to training and procedures**

The site meets the requirement of current Scottish industry best practice. No recommendations made or further action required.

#### **e) Inspection of site and site stock**

The site meets the requirement of current Scottish industry best practice. No recommendations made or further action required.

#### **f) Inspection of farm count procedures**

An inspection of site staff conducting and recording a sea lice count was carried out. This met the requirements of The Fish Farming Business (Record Keeping) (Scotland) Order 2008 and CoGP. No further recommendations or further action required.

R10

**g) Inspection of treatment administration procedures**

An inspection of treatment administration procedures was carried out. The site meets the requirement of current Scottish industry best practice. No further recommendations made, or further action required.

**Further Action**

The site meets the requirement of current Scottish industry best practice. No further recommendations are made, or further action required.

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

Signed:



Date: 08/04/2024

Fish Health Inspector

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Scottish Government website at [Fish Health Inspectorate Service Charter - gov.scot \(www.gov.scot\)](https://www.gov.scot/resources/information/fish-health-inspectorate-service-charter/)

# FISH HEALTH INSPECTORATE VISIT REPORT

## SUMMARY FOR INFORMATION OF SITE OPERATOR

<b>BUSINESS No</b>	FB0125	<b>DATE OF VISIT</b>	26/03/2024
<b>SITE No</b>	FS0549	<b>SITE NAME</b>	Tanera
<b>CASE No</b>	20240064	<b>INSPECTOR</b>	██████████

### 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 medium. An inspection under the Aquatic Animal Health (Scotland) Regulations 2009 will be conducted every second 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.

Mortality levels had exceeded the reporting criteria since the last inspection and had been reported to the Fish Health Inspectorate as required.

Reports detailing the results of animal health surveillance carried out by or on behalf of the business and/or Marine Directorate were available for inspection.

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

### Inspection under the Animals and Animal Products (Examination for Residues and Maximum Residue Limits) (England and Scotland) Regulations 2015

Medicine records were inspected and found to be adequately maintained.

Samples were taken to be analysed for veterinary residues.

R25



## 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 section 3 regarding parasites (sea lice), section 4A regarding fish farm management agreements and statements and section 5 regarding containment and escapes.

On this occasion the site was found to be satisfactory with regards to fish farm management agreements and statements and containment and escapes.

An enhanced sea lice inspection was conducted. A separate report will be issued in due course.

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

Signed:



Date: 08/04/2024

Fish Health Inspector

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Scottish Government website at [Fish Health Inspectorate Service Charter - gov.scot \(www.gov.scot\)](https://www.gov.scot/policies/fish-health-inspectorate/)

Case No: 2024-0065 Date of visit: 13/03/2024

Time spent on site: 2 hours Main Inspector: [Redacted]

Site No: SS0740 Site Name: Scottish Association for Marine Science  
Business No: SB0473 Business Name: Scottish Association for Marine Science

Case Types: 1 ECI 2 [ ] 3 [ ] 4 [ ] 5 [ ] 6 [ ]

Water Temp (°C): 16.1 Thermometer No: T172 FHI 045 completed [ ]

Observations: Region: ST 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:  
[Redacted]

**Additional Case Information:**

Coral species also held on site Seriatopora sp.

Three species usually held on site (green, edible and purple urchins)

Most experiments usually require species on site for days or weeks

Sea cucumbers (Holothuria forskali) due on site 22/03/2024

The business have not stocked finfish in 3.5 years. No plans to stock with finfish in the near future

Sea lice also on site (Leps)

Water intake is filtered down to 10 microns. UV disinfection of the water is available when needed within each room.

Inspection of site and paperwork undertaken by [REDACTED], observed by [REDACTED].

Case No:  Site No:

Date of Visit:  Inspector(s):

**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	<input type="text" value="95"/>		Facilities stocked	<input type="text" value="95"/>		No facilities inspected	<input type="text" value="95"/>	
Species	<input type="text" value="Coral"/>	<input type="text" value="Purple sea"/>	<input type="text" value="Edible sea"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Age group	<input type="text" value="Mixed"/>		<input type="text" value="Mixed"/>		<input type="text" value="Mixed"/>		<input type="text"/>	<input type="text"/>
No Fish	<input type="text" value="24"/>	<input type="text" value="103"/>	<input type="text" value="112"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Mean Fish Wt	<input type="text" value="mixed"/>		<input type="text" value="mixed"/>		<input type="text" value="mixed"/>		<input type="text"/>	<input type="text"/>
Next Fallow Date (Site)	<input type="text" value="No plans"/>		Next Input Date (Site)	<input type="text" value="End of March"/>		<input type="text"/>	<input type="text"/>	<input type="text"/>
Recent (last 4 wks) disease problems?	<input type="text" value="N"/>		Any escapes (since last visit)?	<input type="text" value="N"/>		<input type="text"/>	<input type="text"/>	<input type="text"/>
If yes, detail:	<input type="text"/>							

**Movement Records**

1. Movement records available for inspection?

2. Date of last inspection:

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 (outwith 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?

If other detail:

3. Mortality records complete and correctly entered?

4. Recent mortality (last 4 wks):

5. Evidence of recent increased/atypical mortalities?

If yes, facility nos/no mortality per facility/no stock per facility/reason:

6. Any other peaks in mortality during period checked?

If yes, detail:

7. Have increased (unexplained) mortalities been reported to vet or FHI?

If yes, detail action:

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

**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"/>	N
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" value="02/08/2023 - 13/03/2023"/>
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Case Number:	2024-0065	Site No:	SS0740
Date of Visit	13/03/2024	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
			5
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
			0
<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	6
			8
			8
<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
			5
			5
		Yes	No
	Disinfection of equipment between sites, use of footbaths etc	0	2
			2
			0
			0
<b>Total Risk</b>			58
			<b>HIGH</b>





# FISH HEALTH INSPECTORATE VISIT REPORT

## SUMMARY FOR INFORMATION OF SITE OPERATOR

<b>BUSINESS No</b>	SB0473	<b>DATE OF VISIT</b>	13/03/2024
<b>SITE No</b>	SS0740	<b>SITE NAME</b>	Scottish Association for Marine Science
<b>CASE No</b>	20240065	<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 high. An inspection under the Aquatic Animal Health (Scotland) Regulations 2009 will be conducted annually. 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 Directorate since the last Marine Directorate inspection.

The biosecurity measures plan for the site was inspected and found to be inadequately maintained. Information has since been provided to the Fish health inspectorate that demonstrates an adequate biosecurity measures plan is now in place. No further action is required.

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: 21/03/2024

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Scottish Government website at [Fish Health Inspectorate Service Charter - gov.scot](https://www.gov.scot/policies/fish-health-inspectorate/) ([www.gov.scot](https://www.gov.scot))

Case No:  Date of visit:

Time spent on site:  Main Inspector:

Site No:  Site Name:   
Business No:  Business Name:

Case Types: 1  2  3  4  5  6

Water Temp (°C):  Thermometer No:  FHI 045 completed

Observations: Region: ST Water type: S CoGP MA

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

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

**Additional Case Information:**

A few empty shells observed across the site

Some *Didemnum vexillum* observed on trestles on site. This was reported to the site contact

Species control agreement in operation on the site. Under this agreement any oyster bags affected by *D.vex* are left to desiccate in the air, above high tide. Compliance were present the day before with regards to the species control agreement. Inspection of the site and paperwork conducted by [REDACTED], observed by [REDACTED].

Case No:  Site No:

Date of Visit:  Inspector(s):

**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	<input type="text" value="3000"/>		Facilities stocked	<input type="text" value="3000"/>		No facilities inspected	<input type="text" value="3000"/>	
Species	<input type="text" value="CGI"/>	<input type="text" value="CGI"/>	<input type="text" value="CGI"/>	<input type="text" value="OED"/>	<input type="text" value="OED"/>			
Age group	<input type="text" value="2023-2021"/>	<input type="text" value="2021-2017"/>	<input type="text" value="7YRS+"/>	<input type="text" value="2023-2021"/>	<input type="text" value="3YRS+"/>			
No Fish	<input type="text" value="372,700"/>	<input type="text" value="10,470"/>	<input type="text" value="19,900"/>	<input type="text" value="350,000"/>	<input type="text" value="500"/>			
Mean Fish Wt	<input type="text" value="1g to 60g"/>		<input type="text" value="60g - 80g"/>		<input type="text" value="80g+"/>		<input type="text" value="1g to 50g"/>	
Next Fallow Date (Site)	<input type="text" value="No plans"/>			Next Input Date (Site)	<input type="text" value="Summer 2024"/>			
Recent (last 4 wks) disease problems?	<input type="text" value="N"/>			Any escapes (since last visit)?	<input type="text" value="N"/>			
If yes, detail:	<input type="text"/>							

**Movement Records**

1. Movement records available for inspection?

2. Date of last inspection:

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 (outwith 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?

If other detail:

3. Mortality records complete and correctly entered?

4. Recent mortality (last 4 wks):

5. Evidence of recent increased/atypical mortalities?

If yes, facility nos/no mortality per facility/no stock per facility/reason:

6. Any other peaks in mortality during period checked?

If yes, detail:

7. Have increased (unexplained) mortalities been reported to vet or FHI?

If yes, detail action:

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

**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:	10/05/2023 - 13/03/2024
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Case Number:	2024-0066	Site No:	SS0346
Date of Visit	13/03/2024	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
			2
<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
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
			0
			0
<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
			1
<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
			5
			0
		Yes	No
	Disinfection of equipment between sites, use of footbaths etc	0	2
			0
<b>Total Risk</b>			
49			
HIGH			





# FISH HEALTH INSPECTORATE VISIT REPORT

## SUMMARY FOR INFORMATION OF SITE OPERATOR

<b>BUSINESS No</b>	SB0366	<b>DATE OF VISIT</b>	13/03/2024
<b>SITE No</b>	SS0346	<b>SITE NAME</b>	Rubha Mor
<b>CASE No</b>	20240066	<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 high. An inspection under the Aquatic Animal Health (Scotland) Regulations 2009 will be conducted annually. 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 found 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 Directorate since the last Marine Directorate 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:

[REDACTED]

Date: 26/03/2024

Fish Health Inspector



The Fish Health Inspectorate Service Charter detailing standards of service is available on the Scottish Government website at [Fish Health Inspectorate Service Charter - gov.scot \(www.gov.scot\)](http://www.gov.scot)

Case No: 2024-0067 Date of visit: 14/03/2024

Time spent on site: 2 hours Main Inspector: [Redacted]

Site No: FS0468 Site Name: Loch Tralaig  
Business No: FB0134 Business Name: Kames Fish Farming Ltd

Case Types: 1 ECI 2 CNI 3 4 5 6

Water Temp (°C): 5.4 Thermometer No: T172 FHI 045 completed

Observations: Region: ST Water type: F CoGP MA

Dead/weak/abnormally behaving fish present? Y 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:  
[Redacted]

**Additional Case Information:**

Business correspondent: [REDACTED] change email to: [REDACTED]@kames.co.uk

Will not be stocked with RTR below 5g

Any increased mortality will be disposed of in the ensiler at the shorebase (waste disposal note observed). Most mortality is disposed of in the domestic waste skip

Only treatments on site are for sample weights

Triploid stock on site from Kames Broodstock program

Fish due to be moved off the site week after inspection.

Good feed response observed on site

A small number side swimmers observed close to the middle of the cages. Fish were able to right themselves once feeding

Inspection of site and paperwork conducted by [REDACTED], observed by [REDACTED]

Case No:  Site No:   
 Date of Visit:  Inspector(s):

**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	<input type="text" value="3"/>	Facilities stocked	<input type="text" value="3"/>	No facilities inspected	<input type="text" value="3"/>
Species	<input type="text" value="RTR"/>				
Age group	<input type="text" value="MVG"/>				
No Fish	<input type="text" value="45,940"/>				
Mean Fish Wt	<input type="text" value="200g"/>				
Next Fallow Date (Site)	<input type="text" value="21/03/24"/>	Next Input Date (Site)	<input type="text" value="~Aug 2024"/>		
Recent (last 4 wks) disease problems?	<input type="text" value="N"/>		Any escapes (since last visit)?	<input type="text" value="N"/>	
If yes, detail:	<input type="text" value=""/>				

**Movement Records**

1. Movement records available for inspection?   
 2. Date of last inspection:   
 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 (outwith 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?   
 If other detail:   
 3. Mortality records complete and correctly entered?   
 4. Recent mortality (last 4 wks):   
 5. Evidence of recent increased/atypical mortalities?   
 If yes, facility nos/no mortality per facility/no stock per facility/reason:   
 6. Any other peaks in mortality during period checked?   
 If yes, detail:   
 7. Have increased (unexplained) mortalities been reported to vet or FHI?   
 If yes, detail action:   
 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)?	<input type="checkbox"/>	Y
If yes, detail:	TMS	
If other, detail:		
2. Medicines records available for inspection?	<input type="checkbox"/>	Y
3. Are records complete and correctly entered?	<input type="checkbox"/>	N
4. Are fish in a withdrawal period?	<input type="checkbox"/>	N
5. If yes, what treatment(s)?		
If other, detail:		
6. Are medicines stored appropriately?	<input type="checkbox"/>	Y

**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:		

**Results of Surveillance**

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

Records checked between:	12/11/21 - 14/03/24
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Case Number:	2024-0067	Site No:	FS0468	Insp:		
Date of Visit	14/03/2024	No of movements/supp./dest.			Score	
<b>Live fish movements</b>		0	1-5	6-10	>10	
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	
	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>	0	1-5	6-10		
Water contacts with other farms (holding species susceptible to same diseases)	Farm is protected (secure water supply through disinfection or borehole)	0				
	Farm is on-line or in a coastal zone with category I farms upstream or within 1 tidal excursion	1	2	4		1
	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>		None	Secure	Unsecure		
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				
	Common processes with other farms	3				3
	Collection point for waste from other farms	5				
Use of unpasteurised feeds	No feeding of unpasteurised feed	0				0
	Feeding unpasteurised feed	5				
<b>Biosecurity</b>	<b>Number of sites</b>	1	2 or 3	≥ 4		
Contacts with other sites	Sites operating from single shorebase	0	1	2		1
	Sites sharing staff and equipment	0	1	2		1
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				0
	No	3				
Platform access to cages	Yes	0				0
	No	2				
<b>Total Rank</b>					<b>12</b>	<b>LOW</b>

Case No: 2024-0067

Site No: FS0468

**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) fallowed 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?  N
2. Are measures in place to mitigate against the predation experienced on site? (Detail below)  Y

**Bird nets, tensioned nets, pest control on shore base**

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?  N  
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)  Y







# FISH HEALTH INSPECTORATE VISIT REPORT

## SUMMARY FOR INFORMATION OF SITE OPERATOR

<b>BUSINESS No</b>	FB0134	<b>DATE OF VISIT</b>	14/03/2024
<b>SITE No</b>	FS0468	<b>SITE NAME</b>	Loch Tralaig
<b>CASE No</b>	20240067	<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.

Mortality records were inspected and found to be adequately maintained.

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

Reports detailing the results of animal health surveillance carried out by or on behalf of the business and/or Marine Directorate were available for inspection.

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

### Inspection under the Animals and Animal Products (Examination for Residues and Maximum Residue Limits) (England and Scotland) Regulations 2015

Medicine records were inspected and found to be inadequately maintained. Information has since been provided to the Fish health inspectorate to demonstrate that documentation is being adequately maintained.

R04

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

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

On this occasion the site was found to be satisfactory.

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

Signed:



Date: 21/03/2024

Fish Health Inspector

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Scottish Government website at [Fish Health Inspectorate Service Charter - gov.scot \(www.gov.scot\)](https://www.gov.scot/policies/fish-health-inspectorate/)

Case No: 2024-0068 Date of visit: 14/03/2024

Time spent on site: 2.5 hours Main Inspector:

Site No: SS0547 Site Name: South Ardnaclach Farm  
Business No: SB0358 Business Name: Creran Oysters

Case Types: 1 ECI 2 3 4 5 6

Water Temp (°C): 9 Thermometer No: T172 FHI 045 completed

Observations: Region: ST Water type: S CoGP MA

Dead/weak/abnormally behaving fish present? Y 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:**

In the past the manager has observed an increase in mortality around late summer early autumn but this did not occur in 2023. Some open shells observed in the oyster bags in both the Pacific and native oyster stocks. No meat observed and they appear to have been deceased for some time.

Temperature logger on site

Inspection of site and paperwork conducted by [REDACTED], observed by [REDACTED].

Case No:  Site No:

Date of Visit:  Inspector(s):

**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	<input type="text" value="550"/>		Facilities stocked	<input type="text" value="480"/>		No facilities inspected	<input type="text" value="550"/>	
Species	<input type="text" value="CGI"/>	<input type="text" value="CGI"/>	<input type="text" value="CGI"/>	<input type="text" value="OED"/>	<input type="text" value="OED"/>			
Age group	<input type="text" value="2023"/>	<input type="text" value="2022"/>	<input type="text" value="2021"/>	<input type="text" value="2022"/>	<input type="text" value="2017"/>			
No Fish	<input type="text" value="140,000"/>	<input type="text" value="220,000"/>	<input type="text" value="4,000"/>	<input type="text" value="5,000"/>	<input type="text" value="600"/>			
Mean Fish Wt	<input type="text" value="1g"/>	<input type="text" value="50g"/>	<input type="text" value="65g"/>	<input type="text" value="12g"/>	<input type="text" value="90g"/>			
Next Fallow Date (Site)	<input type="text" value="No plans"/>			Next Input Date (Site)	<input type="text" value="Sept 2024"/>			
Recent (last 4 wks) disease problems?	<input type="text" value="N"/>			Any escapes (since last visit)?	<input type="text" value="N"/>			
If yes, detail:	<input type="text" value=""/>							

**Movement Records**

1. Movement records available for inspection?

2. Date of last inspection:

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 (outwith 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?

If other detail:

3. Mortality records complete and correctly entered?

4. Recent mortality (last 4 wks):

5. Evidence of recent increased/atypical mortalities?

If yes, facility nos/no mortality per facility/no stock per facility/reason:

6. Any other peaks in mortality during period checked?

If yes, detail:

7. Have increased (unexplained) mortalities been reported to vet or FHI?

If yes, detail action:

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

**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:	14/11/2023 to 14/03/2024
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Case Number:	2024-0068	Site No:	SS0547
Date of Visit	14/03/2024	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
			2
<b>Live shellfish movements</b>			
		0	1-2
			>3
Movements on	Frequency of movements on from equivalent MS	0	5
			10
	Frequency of movements on from equivalent zone or compartment including third country	0	10
			20
	Number of suppliers	0	5
			10
			5
Movements off	Frequency of movements off <u>within</u> MSS Management Areas	0	1
			2
	Frequency of movements off <u>outwith</u> MSS Management Areas	0	3
			6
	Number of destinations	0	3
			6
			0
<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
			2
	Depuration of stock from other businesses sites within MSS management area	0	2
			6
	Depuration of stock from sites outwith MSS management area	0	4
			8
			0
<b>Biosecurity</b>			
	Number of sites	1	2 or 3
			≥ 4
Contacts with other sites	Sites operating from single shorebase	0	1
			2
	Sites sharing staff and equipment	0	1
			5
		Yes	No
	Disinfection of equipment between sites, use of footbaths etc	0	2
			0
<b>Total Risk</b>			
43			
<b>HIGH</b>			







# FISH HEALTH INSPECTORATE VISIT REPORT

## SUMMARY FOR INFORMATION OF SITE OPERATOR

<b>BUSINESS No</b>	SB0358	<b>DATE OF VISIT</b>	14/03/2024
<b>SITE No</b>	SS0547	<b>SITE NAME</b>	South Ardnaclach Farm
<b>CASE No</b>	20240068	<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 high. An inspection under the Aquatic Animal Health (Scotland) Regulations 2009 will be conducted annually. 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 Directorate since the last Marine Directorate 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:

[REDACTED]

Date: 21/03/2024

Fish Health Inspector

R14

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Scottish Government website at [Fish Health Inspectorate Service Charter - gov.scot \(www.gov.scot\)](https://www.gov.scot/policies/fish-health-inspectorate/)

Case No: 2024-0071 Date of visit: 27/03/2024

Time spent on site: 2hrs Main Inspector: [Redacted]

Site No: FS0056 Site Name: Ardmail  
Business No: FB0447 Business Name: Wester Ross Fisheries Ltd

Case Types: 1 ECI 2 CNI 3 SLI 4 VMD 5 [ ] 6 [ ]

Water Temp (°C): 8.3 Thermometer No: T152 FHI 045 completed [ ]

Observations: Region: HI Water type: S CoGP MA: M-11

Dead/weak/abnormally behaving fish present? Y 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:  
[Redacted]

**Additional Case Information:**

Fish came on from Corry Farm (FS0057) (via Loch Merkland (FS0612)). RA available for SW to SW movement. First batch of fish came on in the summer of 2023 and a second batch of the same yearclass was received in February 24. Fish are reported to be performing well with good feed conversions.

Fish on site have been diagnosed with very minor PGD which has been helped by FW treatments, CMS and HSMI, although not causing elevated mortalities. Site has not done any medicinal treatments for sealice since the last inspection. Site manager has had good clearance using FW combined with FLS and cleanerfish. Only medicine that is used on site is tricaine for lice counts.

Wildcaught wrasse and farmed lumpfish have been stocked onto site. 58% mortality in the wrasse has been recorded since input and 31% in the lumpfish.

Site conducts deadhaul harvests to Loch Duarts Dingwall processing plant.

Only site within CoGP MA.

Fish appeared in good physical health on inspection, with the exception of a handful of individuals who were showing some damage to their snouts due to rubbing on the net and some physical damage to flanks and heads which occurred during transfer to site. Some runts were observed but these could not be caught so were not removed during the inspection. Fish sampled for VMD had very good body condition, gills looked good with only very minor signs of PGD observed.

Mortality events above the reporting threshold that were not reported to the FHI as agreed by industry:

- Wk39 2022 – 1.23%
- Wk52 2022 – 1.2%
- Wk31 2023 – 1.07%
- Wk32 2023 – 1.22%
- Wk33 2023 – 1.33%

Remote inspection completed on 19/03/24. Site visited on 27/03/24.

Case No: 2024-0071

Site No: FS0056

Date of Visit: 27/03/2024

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	44		Facilities stocked	26		No facilities inspected	
Species	SAL	LUM	WRA				
Age group	22 Q4	2024	Wildcaught				
No Fish	185,000	46,754	55,739				
Mean Fish Wt	4.2kg	35g	50g				
Next Fallow Date (Site)	June 24		Next Input Date (Site)	July 24			
Recent (last 4 wks) disease problems?				Y	Any escapes (since last visit)?		
If yes, detail:	CMS, HSML, mild PGD						

**Movement Records**

- 1. Movement records available for inspection?
- 2. Date of last inspection: 30/08/2022
- 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 (outwith 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? Biogas - Energen, Cumbernauld
- If other detail: Stored in skips at shorebase prior to uplift by GoGar.
- 3. Mortality records complete and correctly entered?
- 4. Recent mortality (last 4 wks): Wk11: 412 (0.21%), Wk10: 591 (0.3%), Wk9: 620 (0.31%) and Wk (0.99%) (FW and FLS)
- 5. Evidence of recent increased/atypical mortalities?
- If yes, facility nos/no mortality per facility/no stock per facility/reason: Post transfer in Wk8 combined with FW and FLS.
- 6. Any other peaks in mortality during period checked?
- If yes, detail: Wk33 2023: 1.33%, Wk32: 1.27%, Wk31: 1.07%  
Wk52 2022: 1.2%, Wk39: 1.23%, Wk38: 2%, Wk37: 2.63%, Wk36: 1.64%, Wk35: 4.96%, Wk34: 4.91%,  
Wk32: 3.59%
- 7. Have increased (unexplained) mortalities been reported to vet or FHI?
- If yes, detail action:
- 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:

T.M.S.

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)?

T.M.S.

If other, detail:

6. Are medicines stored appropriately?

**Biosecurity Records**

1. Biosecurity records available for inspection?

2. Has the manner and frequency of mortality removal, recording and safe disposal been considered?

3. Has the manner and period in which the APB will notify Scottish Ministers or veterinary professional of any *increased (unexplained)* mortality at the site been included?

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 *how* and *when* that will be notified to Scottish Ministers?

5. Has the health status of aquaculture animals being stocked on the farm site been covered (equal or higher health status, certification if required)?

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.)?

7. Is documentation available regarding the measures in place to maintain the physical containment of aquaculture animals held on site?

8. Have the biosecurity procedures been adequately implemented on site?

If no, detail:

**Results of Surveillance**

1. Has any animal health surveillance been carried out by, or on behalf of, the business?

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:

14/09/2021 - 20/03/24

44
N
Y
Y
Y
Y
Y
N/A
Y
Y
Y
8: 1,730
Y
Y
Wk33: 4.18%,
N/A
N

	Y
	Y
	Y
	Y
	Y
	Y
	Y
	Y
	Y
	Y
	Y
	Y







Case Number:	2024-0071	Site No:	FS0056	Insp:		
Date of Visit	27/03/2024	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	0
	Number of destinations	0	3	6	10	0
<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				
	Farm is on-line or in a coastal zone with category I farms upstream or within 1 tidal excursion	1	2	4		1
	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				
	Processing own fish (re-cycling risk)	1				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				0
	Feeding unpasteurised feed	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		1
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				0
	No	3				
Platform access to cages	Yes	0				0
	No	2				
<b>Total Rank</b>					<b>3</b>	<b>LOW</b>

Case No: 2024-0071

Site No: FS0056

**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, 5.3.50)
- 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)

Sealpro nets,  
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)

Case No: 2024-0071

Site No: FS0056

Date of Visit: 27/03/2024

Inspector: [REDACTED]

**Point of Compliance**

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

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?

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

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

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

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

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

**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?

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

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

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

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?

**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?

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

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?

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?

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

**Live Fish Movements**

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

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

**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:  Site No:  Date of visit/  
 Sampling:

Priority samples: VI  BA  PA  MG  HI

Time sampling starts/ends:   Inspector:  VMD No.

Environmental conditions: 1  2  3  4  5

Summary samples HIST  BA  MG  VI  PA  Total Samples

**Add Fish/Pools - click**

Pool/Fish No													
Fish nos	F1												
Pool Group													
Species	SAL												
Average weight	4.2kg												
Sex	N/A												
Water Type	SW												
Stock Details	Stock Origin	Corry Farm FS0057 (x Loch Merkland FS0612)											
	Facility No	15											







# FISH HEALTH INSPECTORATE VISIT REPORT

## SUMMARY FOR INFORMATION OF SITE OPERATOR

<b>BUSINESS No</b>	FB0447	<b>DATE OF VISIT</b>	27/03/2024
<b>SITE No</b>	FS0056	<b>SITE NAME</b>	Ardmair
<b>CASE No</b>	20240071	<b>INSPECTOR</b>	██████████

### 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.

Mortality levels had exceeded the reporting criteria since the last inspection and had not been reported to the Fish Health Inspectorate. I would like to remind you of the industry agreement in relation to mortality reporting as detailed in A Code of Good Practice for Scottish Finfish Aquaculture.

Reports detailing the results of animal health surveillance carried out by or on behalf of the business and/or Marine Directorate were available for inspection.

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

R25

**Inspection under the Animals and Animal Products (Examination for Residues and Maximum Residue Limits) (England and Scotland) Regulations 2015**

Medicine records were inspected and found to be adequately maintained.

Samples were taken to be analysed for veterinary residues.

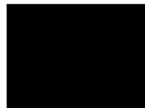
**Inspection under the Aquaculture and Fisheries (Scotland) Act 2007**

The site was also inspected in accordance with the Aquaculture and Fisheries (Scotland) Act 2007, as amended, with respect to section 3 regarding parasites (sea lice), section 4A regarding fish farm management agreements and statements and section 5 regarding containment and escapes.

On this occasion the site was found to be satisfactory with regards to parasites, fish farm management agreements and statements and 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: 08/04/2024

Fish Health Inspector

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Scottish Government website at [Fish Health Inspectorate Service Charter - gov.scot \(www.gov.scot\)](https://www.gov.scot/policies/fish-health-inspectorate/)

Case No: 2024-0075 Date of visit: 13/03/2024

Time spent on site: 1hr Main Inspector: [Redacted]

Site No: FS1259 Site Name: Stulaigh  
Business No: FB0119 Business Name: Mowi Scotland Ltd

Case Types: 1 REG 2 [ ] 3 [ ] 4 [ ] 5 [ ] 6 [ ]

Water Temp (°C): [ ] Thermometer No: [ ] FHI 045 completed [ ]

Observations: Region: WI Water type: S CoGP MA: W-20

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

UNI/REG only - if unable to carry out intended visit detail reason below:  
Weather did not permit site visit

**Additional Case Information:**

Input of lumpfish (103720) - 7th Feb 2024, Ocean Matters.

Pseudomonas suspected to be currently causing a few mortalities (4.5% since input)

Stock Origin: Loch Garry, Loch Lochy.

Aquagen, Mowi Ireland (fanad).

Staggered stock input in 2023: 12/10, 14/10, 16/10, 24/10, 9/11, 21/11

Increased mortality:

19th Nov, 2023, 6561, hydrogen peroxide AGD,

20th Nov, 2023, 1703, hydrogen peroxide AGD,

21th Nov, 2023, 6075, hydrogen peroxide AGD,

Lumpfish mortality:

2024: Wk7,532,0.51%; Wk8, 378,0.37%; Wk9, 515,0.50%; Wk10, 3105,3.04%;

Attributed above with transport losses and Pseudomonas in wk 10.

Treatments:

09-14/11/2023 - Slice; 13-19/12/2023 slice for latter pens

15-18/12/2023- paramove peroxide, gill inflammation

08/01 to 09/02/2024 - paramove; delousing and gill inflammation, (not everyday because storms, so drawn out longer)

Next planned treatment - FW- treatment following results that showed samples were 80% positive for AGD .

12/02/2024- health visit: AGD present

08/03/2024- last health visit, and taken swabs for Pseudomonas.

health team - out every once every two weeks. Swabs also done by site team and sent to own lab.

Paperwork inspected remotely on 13/03/2024.

Weather did not permit to conduct site inspection on 20/03/2024.

Case No:  Site No:

Date of Visit:  Inspector(s):

**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	<input type="text" value="14"/>	Facilities stocked	<input type="text" value="12"/>
Species	<input type="text" value="SAL"/>	<input type="text" value="LUM"/>	
Age group	<input type="text" value="2023 Q4"/>	<input type="text" value="2023"/>	
No Fish	<input type="text" value="1,141,834"/>	<input type="text" value="991,090"/>	
Mean Fish Wt	<input type="text" value="941g"/>	<input type="text" value="40g"/>	
Next Fallow Date (Site)	<input type="text" value="March/April 2025"/>		Next Input Date (Site)
Recent (last 4 wks) disease problems?		<input type="text" value="Y"/>	Any escapes (since...)
If yes, detail:	<input type="text" value="AGD In SAL, and Pseudomonas in LUM"/>		

**Movement Records**

1. Movement records available for inspection?
2. Date of last inspection:
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 (outwith 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?
- If other detail:
3. Mortality records complete and correctly entered?
4. Recent mortality (last 4 wks):
5. Evidence of recent increased/atypical mortalities?
- If yes, facility nos/no mortality per facility/no stock per facility/reason:
6. Any other peaks in mortality during period checked?
- If yes, detail:
7. Have increased (unexplained) mortalities been reported to vet or FHI?
- If yes, detail action:
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:

T.M.S, Paramove

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)?

T.M.S

If other, detail:

6. Are medicines stored appropriately?

**Biosecurity Records**

1. Biosecurity records available for inspection?

2. Has the manner and frequency of mortality removal, recording and safe disposal been considered?

3. Has the manner and period in which the APB will notify Scottish Ministers or veterinary professional of any mortality at the site been included?

4. Has the action that will be taken in the event that the presence or suspicion of the presence of a listed disease *how* and *when* that will be notified to Scottish Ministers?

5. Has the health status of aquaculture animals being stocked on the farm site been covered (equal or higher required)?

6. Have the husbandry and biosecurity measures implemented between each epidemiological unit to minimise disease covered (movement of staff, visitors, equipment, live or dead fish etc.)?

7. Is documentation available regarding the measures in place to maintain the physical containment of aquaculture?

8. Have the biosecurity procedures been adequately implemented on site?

If no, detail:

**Results of Surveillance**

1. Has any animal health surveillance been carried out by, or on behalf of, the business?

2. If yes, are results available for inspection?

3. Any significant results?

If yes, detail (if not detailed under recent disease problems).

AGD still present

29/02/ 2024- 80% of results positive for AGD, still awaiting rest results from other pens.

Records checked between:

12/10/2023-13/03/2024





	<input type="checkbox"/>	Y
	<input type="checkbox"/>	
	<input type="checkbox"/>	Y
	<input type="checkbox"/>	Y
	<input type="checkbox"/>	Y
	<input type="checkbox"/>	
	<input type="checkbox"/>	
	<input type="checkbox"/>	Y
	<input type="checkbox"/>	Y
increased (unexplained) mortality	<input type="checkbox"/>	Y
ase is detected been included and	<input type="checkbox"/>	Y
health status, certification if	<input type="checkbox"/>	Y
transmission of disease been	<input type="checkbox"/>	Y
ulture animals held on site?	<input type="checkbox"/>	Y
	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	
	<input type="checkbox"/>	Y
	<input type="checkbox"/>	Y
	<input type="checkbox"/>	Y
on site; Pseudomonas suspicion.	<input type="checkbox"/>	
	<input type="checkbox"/>	
	<input type="checkbox"/>	

Case Number:	2024-0075	Site No:	FS1259	Insp:			
Date of Visit	13/03/2024	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	10	
	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					
	Farm is on-line or in a coastal zone with category I farms upstream or within 1 tidal excursion	1	2		4	2	
	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					
	Common processes with other farms	3				3	
	Collection point for waste from other farms	5					
Use of unpasteurised feeds	No feeding of unpasteurised feed	0				0	
	Feeding unpasteurised feed	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	1	
	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				0	
	No	3					
Platform access to cages	Yes	0				0	
	No	2					
<b>Total Rank</b>					<b>19</b>	<b>MEDIUM</b>	

Case No: 2024-0075

Site No: FS1259

**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) fallowed 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 benzoate) as well as access to suitable biological and/or mechanical control measures, and can these be deployed in a reasonable time?
4. Is there a signed documented farm management agreement or statement relevant to the site and CoGP Farm Management Area (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 (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 (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 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 or 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)

Bird Top nets, added line to the headline, tensioned Seal Pro nets

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 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)

	N
	Y
id emamectin	Y
e period of	
a (or	Y
	Y
	Y
inspected?	Y
ove (from w/b	N
	N/A
	N
riteria for	Y
	Y
	Y
	Y
	Y
os during the	Y
	N/A
	N
	Y
egal, CoGP –	
	N/A

Case No: 2024-0075

Site No: FS1259

Date of Visit: 13/03/2024

Inspector: [REDACTED]

**Point of Compliance**

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

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?

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

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

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

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

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

**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?

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

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

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

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?

**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?

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

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?

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?

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

**Live Fish Movements**

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

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

**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?







# FISH HEALTH INSPECTORATE VISIT REPORT

## SUMMARY FOR INFORMATION OF SITE OPERATOR

<b>BUSINESS No</b>	FB0119	<b>DATE OF VISIT</b>	13/03/2024
<b>SITE No</b>	FS1259	<b>SITE NAME</b>	Stulaigh
<b>CASE No</b>	20240075	<b>INSPECTOR</b>	██████████

On this occasion the site could not be inspected due to adverse weather conditions not permitting the site to be visited. An inspection will be rescheduled at a later date.

### Records

The surveillance frequency category of the site was assessed as medium. An inspection under the Aquatic Animal Health (Scotland) Regulations 2009 will be conducted every second 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:

Mortality records were inspected and found to be adequately maintained.

Reports detailing the results of animal health surveillance carried out by or on behalf of the business and/or Marine Directorate were available for inspection.

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

### **Inspection under the Animals and Animal Products (Examination for Residues and Maximum Residue Limits) (England and Scotland) Regulations 2015**

Medicine records were inspected and found to be adequately maintained.

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

The site records were also inspected in accordance with the Aquaculture and Fisheries (Scotland) Act 2007, as amended, with respect to section 3 regarding parasites (sea lice), section 4A regarding fish farm management agreements and statements and section 5 regarding containment and escapes.

On this occasion the site was found to be satisfactory with regards to fish farm management agreements and statements.

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

R10



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

Signed:



Date: 28/03/2024

Fish Health Inspector

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Scottish Government website at [Fish Health Inspectorate Service Charter - gov.scot \(www.gov.scot\)](http://www.gov.scot/Topics/marine/science)

R04

Marine Laboratory, 375 Victoria Road, Aberdeen, AB11 9DB  
Tel - 0131 244 3498 Fax - 0131 244 0944 Email - [ms.fishhealth@gov.scot](mailto:ms.fishhealth@gov.scot)  
Website - [www.gov.scot/Topics/marine/science](http://www.gov.scot/Topics/marine/science)

Case No: 2024-0076 Date of visit: 13/03/2024

Time spent on site: 1 hr Main Inspector: [Redacted]

Site No: FS0865 Site Name: Marulaig Bay  
Business No: FB0119 Business Name: Mowi Scotland Ltd

Case Types: 1 REG 2 [ ] 3 [ ] 4 [ ] 5 [ ] 6 [ ]

Water Temp (°C): [ ] Thermometer No: [ ] FHI 045 completed [ ]

Observations: Region: WI Water type: S CoGP MA: W-20

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

UNI/REG only - if unable to carry out intended visit detail reason below:  
Weather did not permit site visit

**Additional Case Information:**

Stock origin: Glenfinnan (Aquagen), Loch ness (Stofinfiskur)

Lumpfish - first batch came with lorry on 26/11/2023; second batch arrived with wellboat in wk 6 2024 (w/b 05/02/2024). All lumpfish stock from Ocean Matters. Only one movement occurred since last inspection.

Hydrogen peroxide treatments 2024:

04/01 to 08/01

06/02 to 16/02 (all pens)

Pen 11 and 12 treated twice

FW treatments - conducted for 6/7hrs

Lumpfish mortality- last 4 weeks

wk10, 2414, 4.98%, wounds & fin damage; Wk9, 1721, 3.43%, wounds & fin damage; Wk8, 523, 1.03%, wounds & fin damage; Wk7, 119, 0.23%, wounds & fin damage. Wound and fin damage attributed to transport and handling.

Lumpfish mortality - other peaks

2023 wk51 24,276 40.04% (emaciation)

2023 wk52 15,971 43.93% (emaciation)

2024 wk1 10,343 50.73% (emaciation)

2024 wk2 8,663 86.25% (emaciation)

2024 wk3 584 42.29% (emaciation)

Emaciation as a result of fish deployed at unsuitable weight for site. Note has been made by health manager that fish need to be over 40g in the future.

Health team out every two weeks; last health report 12/02/2024. AGD identified as an issue on site since 2023, with pen 12 being worst affected.

Paperwork inspected remotely on 13/03/2024.

Weather did not permit to conduct site inspection on 20/03/2024

Case No:  Site No:

Date of Visit:  Inspector(s):

**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	<input type="text" value="12"/>	Facilities stocked	<input type="text" value="12"/>	No facilities inspected	
Species	<input type="text" value="SAL"/>	<input type="text" value="LUM"/>			
Age group	<input type="text" value="2023 Q4"/>	<input type="text" value="2023/2024"/>			
No Fish	<input type="text" value="1,193,368"/>	<input type="text" value="44,829"/>			
Mean Fish Wt	<input type="text" value="1.194kg"/>	<input type="text" value="55g"/>			
Next Fallow Date (Site)	<input type="text" value="March 2025"/>		Next Input Date (Site)	<input type="text" value="October 2025"/>	
Recent (last 4 wks) disease problems?			Y Any escapes (since last visit)?	<input type="text" value="Y"/>	
If yes, detail:	<input type="text" value="AGD"/>				

**Movement Records**

1. Movement records available for inspection?

2. Date of last inspection:

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 (outwith 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?

If other detail:

3. Mortality records complete and correctly entered?

4. Recent mortality (last 4 wks):

5. Evidence of recent increased/atypical mortalities?

If yes, facility nos/no mortality per facility/no stock per facility/reason:

6. Any other peaks in mortality during period checked?

If yes, detail:

7. Have increased (unexplained) mortalities been reported to vet or FHI?

If yes, detail action:

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: T.M.S,

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)?

T.M.S

If other, detail:

6. Are medicines stored appropriately?

**Biosecurity Records**

1. Biosecurity records available for inspection?

2. Has the manner and frequency of mortality removal, recording and safe disposal been considered?

3. Has the manner and period in which the APB will notify Scottish Ministers or veterinary professional of any *increased (unexplained)* mortality at the site been included?

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 *how* and *when* that will be notified to Scottish Ministers?

5. Has the health status of aquaculture animals being stocked on the farm site been covered (equal or higher health status, certification if required)?

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.)?

7. Is documentation available regarding the measures in place to maintain the physical containment of aquaculture animals held on site?

8. Have the biosecurity procedures been adequately implemented on site?

If no, detail:

**Results of Surveillance**

1. Has any animal health surveillance been carried out by, or on behalf of, the business?

2. If yes, are results available for inspection?

3. Any significant results?

If yes, detail (if not detailed under recent disease problems).

AGD, specifically affecting pen 11 and 12.

Records checked between:

12/12/2023-13/03/2024

0
N
Y
Y
Y
Y
N/A
N
Y
Y
0.13%;
N
Y
N/A
Y

Y
Y
Y
Y
N/A
Y
Y
Y
Y
Y
Y
Y
N/A
Y
Y
Y

Case Number:	2024-0076	Site No:	FS0865	Insp:		
Date of Visit	13/03/2024	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	10
	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				
	Farm is on-line or in a coastal zone with category I farms upstream or within 1 tidal excursion	1	2	4		2
	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				
	Common processes with other farms	3				3
	Collection point for waste from other farms	5				
Use of unpasteurised feeds	No feeding of unpasteurised feed	0				0
	Feeding unpasteurised feed	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		1
	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				
Platform access to cages	Yes	0				0
	No	2				
<b>Total Rank</b>					<b>19</b>	<b>MEDIUM</b>



Case No: 2024-0076

Site No: FS0865

**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) fallowed 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 benzoate) as well as access to suitable biological and/or mechanical control measures, and can these be deployed in a reasonable 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 available? (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 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 or 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)

Tensioned nets, bird nets, twined to the hand rail with creel clips, HDPE (Seal pro) nets

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 SSI, 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)

	N
	Y
id emamectin	Y
e period of	
a (or	Y
	Y
	Y
inspected?	Y
ove (from w/b	N
	N/A
	N
riteria for	N/A
	Y
	Y
	Y
	Y
os during the	Y
	N/A
	N
	Y
egal, CoGP –	
	N/A

Case No: 2024-0076

Site No: FS0865

Date of Visit: 13/03/2024

Inspector: [REDACTED]

**Point of Compliance**

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

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?

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

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

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

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

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

**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?

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

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

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

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?

**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?

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

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?

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?

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

**Live Fish Movements**

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

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

**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?







# FISH HEALTH INSPECTORATE VISIT REPORT

## SUMMARY FOR INFORMATION OF SITE OPERATOR

<b>BUSINESS No</b>	FB0119	<b>DATE OF VISIT</b>	13/03/2024
<b>SITE No</b>	FS0865	<b>SITE NAME</b>	Marulaig Bay
<b>CASE No</b>	20240076	<b>INSPECTOR</b>	██████████

On this occasion the site could not be inspected due to adverse weather conditions not permitting the site to be visited. An inspection will be rescheduled at a later date.

### Records

The surveillance frequency category of the site was assessed as medium. An inspection under the Aquatic Animal Health (Scotland) Regulations 2009 will be conducted every second 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:

Mortality records were inspected and found to be adequately maintained.

Reports detailing the results of animal health surveillance carried out by or on behalf of the business and/or Marine Directorate were available for inspection.

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

### **Inspection under the Animals and Animal Products (Examination for Residues and Maximum Residue Limits) (England and Scotland) Regulations 2015**

Medicine records were inspected and found to be adequately maintained.

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

The site records were also inspected in accordance with the Aquaculture and Fisheries (Scotland) Act 2007, as amended, with respect to section 3 regarding parasites (sea lice), section 4A regarding fish farm management agreements and statements and section 5 regarding containment and escapes.

On this occasion the site was found to be satisfactory with regards to fish farm management agreements and statements.

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

R10

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



Signed:

Date: 28/03/2024

Fish Health Inspector

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Scottish Government website at [Fish Health Inspectorate Service Charter - gov.scot \(www.gov.scot\)](http://www.gov.scot/Topics/marine/science)

R04

Marine Laboratory, 375 Victoria Road, Aberdeen, AB11 9DB  
Tel - 0131 244 3498 Fax - 0131 244 0944 Email - [ms.fishhealth@gov.scot](mailto:ms.fishhealth@gov.scot)  
Website - [www.gov.scot/Topics/marine/science](http://www.gov.scot/Topics/marine/science)

Case No: 2024-0095 Date of visit: 25/03/2024

Time spent on site: 3 hours Main Inspector:

Site No: FS0226 Site Name: Inchmore
Business No: FB0119 Business Name: Mowi Scotland Ltd

Case Types: 1 ECI 2 CNI 3 VMD 4 5 6

Water Temp (°C): 11.3 Thermometer No: Site FHI 045 completed Y

Observations: Region: HI Water type: F CoGP MA:

Dead/weak/abnormally behaving fish present? Y If yes, see additional information/clinical score sheet.
Clinical signs of disease observed? Y 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:**

Last inspection to site was a diagnostic on 08/08/2023. Records have been checked from last ECI inspection 18/04/2023.

4 hatcheries, 2 fry units and 2 smolt units

Waste - if large volumes they will get an uplift to Barkip Biogas.

Started vaccinating in week 10 and will be vaccinating for another week.

Recent Mortalities: Q3s - Wk9: 1.46% (59,472), Wk10: 0.7% (27,891), Wk11: 0.75% (29,803), Wk12: 0.42% (16,640) - all mortalities due to failed hatchings and fish deformities. Q2s - Wk9: 0.05% (2333), Wk10: 2.23% (94,888), Wk11: 1.11% (46,276), Wk12: 1.48% (60,854) - all mortalities were due to failed hatchings (just finished hatching late last week).

Previous mortality peaks over threshold: the Q3's for 2023 Wk30: 9.39% (172,726 fish) - after the jump in mortalities the health team investigated and concluded mortalities were due to specific genetics - Only 0.9% mortalities during this week were from the stokin fisker fish.

Bath treatments - Smolts: Aquacen and Pyceze 23/03/2025 (500dd). Last year due to compromised eggs there were lots of fungus resulting in bronopol formaldehyde and Cress treatments.

Health report 20/02/2024: 1/14 tested fish was positive for flavobacterium psychrophilum. Fish were sampled and tested after some fish in Fry B were lethargic and had lesions on their sides. Fish sampled showed nothing of significance internally except lethargic fish had not been feeding.

Week 4 and 5 2024 eggs were culled out (2.5million) due to failed eggs (Aquagen stock) - lost 16.09% (302,098 eggs) in the first week on site.

Site's own thermometer used due to biosecurity

Paperwork and physical inspection carried out 25/03/2024. During physical inspection, 3 tanks in the fry units had approx. 2 or 3 mortalities. Fish in the fry and smolt units were swimming well and in tanks that were being fed (some tanks were on starve due to upcoming vaccinations), good feed responses were seen. Fish that had just been vaccinated and transferred into the smolt units had recovered from the anaesthetic and were shoaling well. In the hatcheries, staff were picking out fish with deformities. Fish for VMD sampling were taken from the fry units (pre vaccination) - all fish appeared healthy for externally and internally.

Case No:  Site No:

Date of Visit:  Inspector(s):

**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	<input type="text" value="49"/>	Facilities stocked	<input type="text" value="36"/>	No facilities inspected	<input type="text" value="49"/>
Species	<input type="text" value="SAL"/>	<input type="text" value="SAL"/>	<input type="text" value="SAL"/>		
Age group	<input type="text" value="2024 Q2"/>	<input type="text" value="2024 Q3"/>	<input type="text" value="2024 Q4"/>		
No Fish	<input type="text" value="3,058,798"/>	<input type="text" value="3,972,274"/>	<input type="text" value="4,157,881"/>		
Mean Fish Wt	<input type="text" value="53.8g"/>	<input type="text" value="0.1g"/>	<input type="text" value="0.1g"/>		
Next Fallow Date (Site)	<input type="text" value="Continuous cycle"/>		Next Input Date (Site)	<input type="text" value="April 2024"/>	
Recent (last 4 wks) disease problems?	<input type="text" value="N"/>			Any escapes (since last visit)?	<input type="text" value="N"/>
If yes, detail:	<input type="text" value=""/>				

**Movement Records**

1. Movement records available for inspection?

2. Date of last inspection:

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 (outwith 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?

If other detail:

3. Mortality records complete and correctly entered?

4. Recent mortality (last 4 wks):

5. Evidence of recent increased/atypical mortalities?

If yes, facility nos/no mortality per facility/no stock per facility/reason:

6. Any other peaks in mortality during period checked?

If yes, detail:

7. Have increased (unexplained) mortalities been reported to vet or FHI?

If yes, detail action:

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)?	<input type="checkbox"/>	Y
If yes, detail: Aquacen and Pyceze, T.M.S		
If other, detail:		
2. Medicines records available for inspection?	<input type="checkbox"/>	Y
3. Are records complete and correctly entered?	<input type="checkbox"/>	Y
4. Are fish in a withdrawal period?	<input type="checkbox"/>	Y
5. If yes, what treatment(s)?	<input type="checkbox"/>	Pyceze and T.M.S
If other, detail:		
6. Are medicines stored appropriately?	<input type="checkbox"/>	Y

**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:		

**Results of Surveillance**

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

Records checked between:	18/04/2023 - 25/03/2024
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Case no:  Site No:  Date of visit/  
 Sampling:

Priority samples: VI  BA  PA  MG  HI

Time sampling starts/ends:   Inspector:  VMD No.

Environmental conditions: 1  2  3  4  5

Summary samples HIST  BA  MG  VI  PA  Total Samples

**Add Fish/Pools - click**

Pool/Fish No												
Fish nos	1-10	11-20	21-25									
Pool Group												
Species	SAL	SAL	SAL									
Average weight	0.0540	0.0540	0.0540									
Sex	N/A	N/A	N/A									
Water Type	FW	FW	FW									
Stock Origin	Stofnfiskur Iceland - Vagavik - FE-1181.	Stofnfiskur Iceland - Vagavik - FE-1181.	Stofnfiskur Iceland - Vagavik - FE-1181.									
Facility No	13	14	3									



Case Number:	2024-0095	Site No:	FS0226	Insp:	
Date of Visit	25/03/2024	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
	Frequency of movements on from equivalent zone or compartment including third country	0	9	18	26
	Number of suppliers	0	5	10	14
Movements off	Frequency of movements off	0	3	6	10
	Number of destinations	0	3	6	10
<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			
	Farm is on-line or in a coastal zone with category I farms upstream or within 1 tidal excursion	1	2	4	1
	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			0
	Feeding unpasteurised feed	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			0
	No	3			
Platform access to cages	Yes	0			0
	No	2			
				<b>Total Rank</b>	<b>28</b> <b>HIGH</b>

Case No: **2024-0095**

Site No: **FS0226**

**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)

Site is indoors. Rent-a-kill stations around the building.  
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)





# FISH HEALTH INSPECTORATE VISIT REPORT

## SUMMARY FOR INFORMATION OF SITE OPERATOR

<b>BUSINESS No</b>	FB0119	<b>DATE OF VISIT</b>	25/03/2024
<b>SITE No</b>	FS0226	<b>SITE NAME</b>	Inchmore
<b>CASE No</b>	20240095	<b>INSPECTOR</b>	██████████

### 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 high. An inspection under the Aquatic Animal Health (Scotland) Regulations 2009 will be conducted annually. 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.

Mortality levels had exceeded the reporting criteria since the last inspection and had been reported to the Fish Health Inspectorate as required.

Reports detailing the results of animal health surveillance carried out by or on behalf of the business and/or Marine Directorate were available for inspection.

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

### Inspection under the Animals and Animal Products (Examination for Residues and Maximum Residue Limits) (England and Scotland) Regulations 2015

Medicine records were inspected and found to be adequately maintained.

Samples were taken to be analysed for veterinary residues.

R04

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

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

On this occasion the site was found to be satisfactory.

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: 02/04/2024

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Scottish Government website at [Fish Health Inspectorate Service Charter - gov.scot](http://www.gov.scot) ([www.gov.scot](http://www.gov.scot))

R04

Case No: 2024-0096 Date of visit: 26/03/2024

Time spent on site: 5h Main Inspector:

Site No: FS0646 Site Name: Soay  
Business No: FB0119 Business Name: Mowi Scotland Ltd

Case Types: 1 ECI 2 CNI 3 SLI 4 REP 5 6

Water Temp (°C): 8 Thermometer No: T173 FHI 045 completed N/A

Observations: Region: WI Water type: S CoGP MA W-7

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

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

[Empty text box for visit detail reason]

**Additional Case Information:**

Peaks in salmon mortality 2023 wk 24 2942 (0.85%), wk 25 2881 (0.91%), wk 26 3988 (1.49%) , wk 27 7535 (3.47%), wk 28 1450 (1.41%) mainly attributed to CMS but some moritella. Wk 50 3463 (0.80%), wk 51 3376 (0.78%), wk 52 3587 (0.85%) these were recorded as seal predation and without diagnosis.

Salmon mortalities in 2024 have been persistently elevated, a fw treatment loss occurred in week 2 (13305 (3.17%), with physical damage and seal predation the main cause of mortality until week 6 with 16256 recorded. Week 6 16594 (4.25%) was recorded in the main as fw treatment loss but gill infection (AGD) and physical damage also noted. Week 7 8921 (2.38%) were partly due to the treatment losses in week 6 but mainly attributed to bacterial infection (Moritella) which is recorded predominantly as the cause of mortality through to week 12 with 44723 recorded.

Salmon morts for the last five weeks: wk 12 7718 (2.45%), wk 11 8347 (2.58%), wk 10 12667 (3.77%), wk 9 16003 (4.54%) wk 8 12799 (3.50%).

Lumpfish mortalities for the last four weeks: 17867 no diagnosis.

Wrasse peaks in mortality, 2022: Wk 33 8994 (12.32%), wk 34 (8332 (11.78%)

Lumpfish peaks in mortality 2023: wk 14 2599 (3.78%), wk 15 2996 (4.53%), wk 16 2900 (4.59%), wk 17 2582 (4.28%).

Fish were transferred from Hellisay in October due to water quality issues (jellyfish and gill health)

A number of moribunds and lethargic were observed, clinical signs included lesions and fin erosion, five were removed for diagnostic sampling.

Mort, sea lice and treatment records inspected remotely on the 21/3/2024 remaining records inspected on the 26/3/2024.

Case No:  Site No:

Date of Visit:  Inspector(s):

**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	<input type="text" value="16"/>	Facilities stocked	<input type="text" value="10"/>	No facilities inspected	<input type="text" value="16"/>
Species	<input type="text" value="SAL LUM"/>				
Age group	<input type="text" value="2023Q2 mixed"/>				
No Fish	<input type="text" value="306,717 102,381"/>				
Mean Fish Wt	<input type="text" value="1.89kg N/A"/>				
Next Fallow Date (Site)	<input type="text" value="July 2024"/>	Next Input Date (Site)	<input type="text" value="October 2024"/>		
Recent (last 4 wks) disease problems?			<input type="text" value="Y"/>	Any escapes (since last visit)?	<input type="text" value="N"/>
If yes, detail:	<input type="text" value="Tenacibaculum and Moritella"/>				

**Movement Records**

1. Movement records available for inspection?

2. Date of last inspection:

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 (outwith 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?

If other detail:

3. Mortality records complete and correctly entered?

4. Recent mortality (last 4 wks):

5. Evidence of recent increased/atypical mortalities?

If yes, facility nos/no mortality per facility/no stock per facility/reason:

6. Any other peaks in mortality during period checked?

If yes, detail:

7. Have increased (unexplained) mortalities been reported to vet or FHI?

If yes, detail action:

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

**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:		

**Results of Surveillance**

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

Records checked between:	1/6/2022 to 26/3/2024
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Case no:  Site No:  Date of visit/  
Sampling:

Priority samples: VI  BA  PA  MG  HI

Time sampling starts/ends:   Inspector:  VMD No.

Environmental conditions: 1  2  3  4  5

Summary samples HIST  BA  MG  VI  PA  Total Samples

**Add Fish/Pools - click**

Pool/Fish No	F1	F2	F3	F4	F5							
Fish nos	1	2	3	4	5							
Pool Group	P1	P1	P1	P1	P1							
Species	SAL	SAL	SAL	SAL	SAL							
Average weight	1.5KG	3KG	1.5KG	1.5KG	3KG							
Sex	N/A	N/A	N/A	N/A	N/A							
Water Type	SW	SW	SW	SW	SW							
Stock Details		Hellisay	Hellisay	Hellisay	Hellisay	Hellisay						
	Stock Origin											
Facility No	10	10	10	14	14							





Case no: 2024-0096

Site No: FS0646

Method of killing: Percussive

Date of visit: 26/03/2024

Inspector(s):

Sheet Relevant: N

S for strong presence: M for medium presence: W for weak presence

Fish Number		1	2	3	4	5							
Time sampled after death (if > 45 minutes)													
External Signs													
Behaviour	Moribund	M	S	M	M	M							
	Lethargic												
	Hanging vertical												
	Spiralling												
	Flashing												
Body	Loss of equilibrium												
	Dark		S										
	Distended abdomen												
	Anorexic												
Opercula	Scale Oedema												
	Shortened												
Haemorrhaging	Flared												
	Throat												
	Ventrum												
	Base of fins	W	M	M	W	M							
	Elsewhere												
	Eyes												
Eyes	Exophthalmic												
	Enophthalmic (sunken)												
	Cataract												
	Haemorrhagic												
Gills	Pale		S										
	Zoned					W							
	Necrotic												
Lesions	Flank		S			S							
	Elsewhere												
Vent	Inflamed		W		W								
	Trailing faeces												
Lice Load	Estimate numbers	0	1	0	0	0							
Internal Signs													
Ascites	Clear												
	Bloody				W								
Oedema	In tissues												
Heart	Pale/anaemic												
	Granulomas												
Liver	Deformed	M	M	S	M	M							
	Petechial haem												
	Gross haem												
	Tissue breakdown												
	Enlarged												
	Colour number(s)	6	5	4	5	5							
	Granulomas		W										
Pyloric caeca	Lesions												
	Petechial haem												
	Tubules mauve		S		S								
Spleen	Lack of fat												
	Enlarged	S	W			S							
Gut	Granulomas	M				S							
	No food present												
	Yellow pseudo-faeces												
	External haem												
	Internal haem												
Body wall	Haemorrhaging												
Swim bladder	Haemorrhaging	W	S		S	W							
	Fluid filled												
Kidney	Swollen												
	Grey	W	W	W	W	W							
	Granular	W	W	W	W	W							
	Liquefied												
General	Parasites present												
	Anaemia												



Additional comments:

A large, empty rectangular box with a black border, intended for entering additional comments. The box is currently blank.

Case Number:	2024-0096	Site No:	FS0646	Insp:		
Date of Visit	26/03/2024	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	10
	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				
	Farm is on-line or in a coastal zone with category I farms upstream or within 1 tidal excursion	1	2	4		1
	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				0
	Feeding unpasteurised feed	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		
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				0
	No	3				
Platform access to cages	Yes	0				0
	No	2				
<b>Total</b>					<b>14</b>	
<b>Rank</b>					<b>LOW</b>	

Case No: **2024-0096**

Site No: **FS0646**

**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)
- seal pro nets, highly tensioned nets, top nets
- 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)

Case No: 2024-0096

Site No: FS0646

Date of Visit: 26/03/2024

Inspector: [REDACTED]

**Point of Compliance**

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

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?

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

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

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

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

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

**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?

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

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

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

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?

**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?

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

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?

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?

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

**Live Fish Movements**

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

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

**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:	2024-0096	Date of visit:	26/03/2024
Site No:	FS0646	Inspector:	

Results Summary	Freq.	Date of Notification						
		Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Insp
AGD (Neoparamoeba perurans) (PCR) - AGDQ	0/5	03/04/2024		03/04/2024		24/04/2024		
IHN (PCR) - IHNP	0/5	03/04/2024		03/04/2024		24/04/2024		
ISA (real time qPCR - heart & kidney) - ISAQ	1/5	02/04/2024		02/04/2024		24/04/2024		
Paranucleospora theridion (PCR) - PNST	4/5	03/04/2024		03/04/2024		24/04/2024		
Salmon gill poxvirus (PCR) - SPVP	5/5	03/04/2024		03/04/2024		24/04/2024		
VHS (PCR) - VHSP	0/5	03/04/2024		03/04/2024		24/04/2024		
IPN (PCR) - IPNM	5/5	03/04/2024		03/04/2024		24/04/2024		
Salmonid alphavirus (SAV) (PCR) - SALP	0/5	03/04/2024		03/04/2024		24/04/2024		
Piscine myocarditis virus (CMS) (PCR) - PMVP	0/5	03/04/2024		03/04/2024		24/04/2024		
Gill pathology - GPAT	4/4	15/04/2024		15/04/2024		24/04/2024		
Heart pathology - HPAT	5/5	15/04/2024		17/04/2024		24/04/2024		
Liver pathology - LPAT	3/5	15/04/2024		17/04/2024		24/04/2024		
Kidney pathology - KPAT	4/4	15/04/2024		17/04/2024		24/04/2024		
Spleen pathology - SPAT	5/5	15/04/2024		17/04/2024		24/04/2024		
ISA sequencing result HPR0	1/1	04/04/2024		17/04/2024		24/04/2024		
IPN sequencing result, IPNV A2 virulence motif ITPAD	2/2	15/04/2024		17/04/2024		24/04/2024		
Yersinia ruckeri (ERM) - YRUK	5/5	16/04/2024		17/04/2024		24/04/2024		
Aliivibrio wodanis - ALIW	2/5	16/04/2024		17/04/2024		24/04/2024		
Vibrio species (culture) - VSPE	2/5	16/04/2024		17/04/2024		24/04/2024		
Adhesions - ADHE	2/5	17/4/24		17/04/2024		24/04/2024		

Report Summary			
Case Type	Date	Insp	2 <sup>nd</sup> Insp
ECI,CNI,SLI,REP	03/04/2024		
DIA	24/04/2024		




# FISH HEALTH INSPECTORATE VISIT REPORT

## SUMMARY FOR INFORMATION OF SITE OPERATOR

<b>BUSINESS No</b>	FB0119	<b>DATE OF VISIT</b>	26/03/2024
<b>SITE No</b>	FS0646	<b>SITE NAME</b>	Soay
<b>CASE No</b>	20240096	<b>INSPECTOR</b>	

### Section 1: Summary

The above site was inspected following reports of increased mortalities. On inspection of the stock, a number of moribund fish were observed in each pen, five were removed for further examination and subsequent diagnostic sampling.

Histopathological examination revealed mild proliferative branchitis and two fish displayed ulcerative skin. Two fish displayed a bacterial infection. Mild to moderate, multifocal myocarditis which could be related with common salmon cardiac disease or bacterial infection was also observed. Hepatocellular necrosis was also observed.

Samples were screened for infectious salmon anaemia virus (ISAV) by QPCR as part of the surveillance program for the control of listed diseases. The samples tested positive for infectious salmon anaemia virus (ISAV) by QPCR (Cp levels 35-36) and the sequence data confirmed the presence of ISAV HPR0, the non-pathogenic form of the virus. In relation to the ISAV HPR0 result obtained, along with the observations made on site, no further statutory action is required to be taken in this case, ISAV HPR0 not being a disease listed in The Aquatic Animal Health (Scotland) Regulations 2009.

Gill samples tested by qPCR were positive for the gill related pathogens: *Paranucleospora theridion* and salmon gill poxvirus (SGPV). Samples of heart and kidney tested by qPCR were positive for infectious pancreatic necrosis virus (IPNV).

*Yersinia ruckeri* was identified, as a primary fish pathogen and would be implicated in morbidity. *Aliivibrio wodanis* was identified from lesion material, the level of growth would suggest it may be implicated as the primary cause of the lesion but not in overall morbidity. *Vibrio* sp. was identified but would not be implicated in morbidity.

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

### Section 2: Case Detail

#### Observations

The site was inspected following report of elevated mortality occurring on site, in the four weeks prior to the inspection, 44,735 salmon mortalities were recorded, mainly attributed to *Moritella viscosa*. On inspection of the stock, a number of moribund salmon were observed in each pen, five were removed for further examination and subsequent diagnostic sampling.

All fish sampled were moribund with haemorrhaging on the base of the fins, the body of F2 was dark in appearance and also had pale gills, the gills of F5 were slightly zoned in appearance. Lesions were evident on the flank of F2 and F5 and the vents of F2 and F4 were inflamed.

R09

Internally, F4 had bloody ascites, the hearts of all fish were deformed and granulomas were observed on the liver of F3. The pyloric caeca of F2 and 4 were mauve in appearance. Splenomegaly was evident in F1, F2 and F5 with granulomas also present on F1. Haemorrhaging was present on the swim bladders of F1, F2, F4 and F5 and the kidney of all fish were grey and granular.

### Samples

Samples were collected from F1-F5 fish according to the table below:

Fish number	Facility number	Species	Stage	Origin
F1-F3	10	Atlantic salmon	1.8 kg 2023 Q2	Hellisay
F4 and F5	14	Atlantic salmon	1.8 kg 2023 Q2	Hellisay

### Results

**Bacteriology:** Kidney material from F1-F5 and lesion material from F2 and F5 were inoculated onto appropriate media for the isolation of bacteria.

The following bacteria were isolated :

- *Yersinia ruckeri* (kidney F1-F5)

From the tests conducted, we do not have evidence of resistance to amoxicillin, oxytetracycline, sulphamethoxazole/trimethoprim or florfenicol.

- *Aliivibrio wodanis* (lesion F2 and F5)
- *Vibrio* sp. (kidney F3 and F5)

**Virology:** Tissue samples were tested for segments of nucleic acid indicative of the presence of the pathogens specified below using real-time PCR (qPCR).

#### Infectious salmon anaemia virus (ISAV)

Fish Number	Endogenous control Cp value	Cp Values			Reported Result (PCR)
F1	-	-	-	-	Negative
F2	-	-	-	-	Negative
F3	-	-	-	-	Negative
F4	-	-	-	-	Negative
F5	15.15	35.58	35.19	35.68	<b>POSITIVE</b>

Sequencing analysis confirmed ISAV, HPR0 (non-deleted type).

#### Salmon gill poxvirus (SGPV)

Fish Number	Endogenous control Cp value	Cp Values			Reported Result (PCR)
F1	21.94	26.04	26.08	26.04	<b>POSITIVE</b>

R09

<b>F2</b>	25.58	35.49	35.16	35.53	<b>POSITIVE</b>
<b>F3</b>	20.96	28.17	28.05	28.03	<b>POSITIVE</b>
<b>F4</b>	21.93	29.71	29.82	29.86	<b>POSITIVE</b>
<b>F5</b>	21.83	27.59	27.37	27.40	<b>POSITIVE</b>

#### Infectious pancreatic necrosis virus (IPNV)

<b>Fish Number</b>	<b>Endogenous control Cp value</b>	<b>Cp Values</b>			<b>Reported Result (PCR)</b>
<b>F1</b>	15.37	30.74	30.70	30.89	<b>POSITIVE</b>
<b>F2</b>	15.01	33.87	33.71	34.00	<b>POSITIVE</b>
<b>F3</b>	14.67	18.27	18.24	18.07	<b>POSITIVE</b>
<b>F4</b>	15.70	32.37	32.34	32.41	<b>POSITIVE</b>
<b>F5</b>	14.80	17.14	16.93	17.15	<b>POSITIVE</b>

Sequencing analysis of samples from F3 and F5 showed consistency with IPNV A2, virulence motif PTA indicating a persistent virulence, typically high morbidity ( $\leq 90\%$ ) and in general little to no mortality (less than 10%)

The samples tested negative for infectious haematopoietic necrosis virus (IHNV), salmonid alphavirus (SAV), viral haemorrhagic septicaemia virus (VHSV) and piscine myocarditis virus (PMCV).

**Parasitology:** Tissue samples were tested for segments of nucleic acid indicative of the presence of the parasites specified below using real-time PCR (qPCR).

#### *Paranucleospora theridion*

<b>Fish Number</b>	<b>Endogenous control Cp value</b>	<b>Cp Values</b>			<b>Reported Result (PCR)</b>
<b>F1</b>	-	-	-	-	Negative
<b>F2</b>	25.58	36.91	36.98	36.53	<b>POSITIVE</b>
<b>F3</b>	20.96	28.99	28.89	28.87	<b>POSITIVE</b>
<b>F4</b>	21.93	30.13	30.16	30.53	<b>POSITIVE</b>
<b>F5</b>	21.83	34.24	34.03	35.00	<b>POSITIVE</b>

The samples tested negative for *Neoparamoeba perurans* (AGD).

**Histology:** Tissue samples of gill, skin and skeletal muscle, heart, pyloric caeca, pancreas, hind gut, liver, spleen and kidney were taken from F1-5. The tissue samples were fixed in 10% neutral buffered formalin.

Histopathological examination revealed the following:

Gill: Lamellar hyperplasia and fusion, mild, multifocal with inflammatory cell infiltrate and foci of cellular necrosis and haemorrhage (F2, F5). F1 and F3 displayed very mild lamellar epithelial hyperplasia. F2 displayed one structure resembling plankton among gill filaments.

Skin & Muscle: Lesion: Absence of the epidermis and mixed Gram-negative bacteria at the dermal outer layer and within dermis, haemorrhagic myositis with mild inflammatory influx (F3, F4).

R09

Heart: Ranging from mild to moderate, multifocal myocarditis (F1, F3, F4) and F4 displayed few rod-shaped Gram-negative bacilli. Mild epicarditis (F1-F5) and F4 displayed few rod-shaped Gram-negative bacilli. F3 also displayed some nest of basophilic nuclei.

Gut and pyloric caeca: Peritonitis, mild (F2, F5).

Pancreas: Within the normal range.

Liver: Hepatocellular necrosis, mild, multifocal (F4, F5). Mild cuffing (F1, F4).

Kidney: Interstitial necrosis, mild, multifocal (F1, F3, F4 & F5). F3 and F4 also displayed few rod-shaped Gram-negative bacilli associated with some inflammation.

Spleen: Necrosis, mild (F2, F4). Capsulitis (F1). Slightly congested F3. F3 and F4 also displayed few rod-shaped bacilli associated with some inflammation. F5 displayed cuffing, mild.

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

Signed:



Date: 24/04/2024

Fish Health Inspector

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Scottish Government website at [Fish Health Inspectorate Service Charter - gov.scot \(www.gov.scot\)](https://www.gov.scot/policies/fish-health-inspectorate/)

# FISH HEALTH INSPECTORATE VISIT REPORT

## SUMMARY FOR INFORMATION OF SITE OPERATOR

<b>BUSINESS No</b>	FB0119	<b>DATE OF VISIT</b>	26/03/2024
<b>SITE No</b>	FS0646	<b>SITE NAME</b>	Soay
<b>CASE No</b>	20240096	<b>INSPECTOR</b>	██████████

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

The above site was inspected following reports of increased mortalities.

All epidemiological units were inspected. Samples were taken for diagnostic purposes. A separate report will be issued detailing the results of these tests.

#### 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 found to be inadequately maintained.

Mortality records were inspected and found to be adequately maintained.

Mortality levels had exceeded the reporting criteria since the last inspection and had been reported to the Fish Health Inspectorate as required.

Reports detailing the results of animal health surveillance carried out by or on behalf of the business and/or Marine Directorate were available for inspection.

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

The following points were raised with the site representative during the inspection:

- In the movement records the development stage section was recorded incorrectly, amendments were made at the time so no further action is required.

**Inspection under the Animals and Animal Products (Examination for Residues and Maximum Residue Limits) (England and Scotland) Regulations 2015**

Medicine records were inspected and found to be adequately maintained.

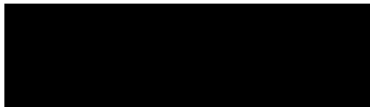
**Inspection under the Aquaculture and Fisheries (Scotland) Act 2007**

The site was also inspected in accordance with the Aquaculture and Fisheries (Scotland) Act 2007, as amended, with respect to section 3 regarding parasites (sea lice), section 4A regarding fish farm management agreements and statements and section 5 regarding containment and escapes.

On this occasion the site was found to be satisfactory with regards to parasites, fish farm management agreements and statements and containment and escapes.

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: 03/04/2024

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Scottish Government website at [Fish Health Inspectorate Service Charter - gov.scot \(www.gov.scot\)](https://www.gov.scot/policies/fish-health-inspectorate/)



F1-5



F1



F2



F3



F4



F5





F1



F2



F3



F4



F5



F1





F2



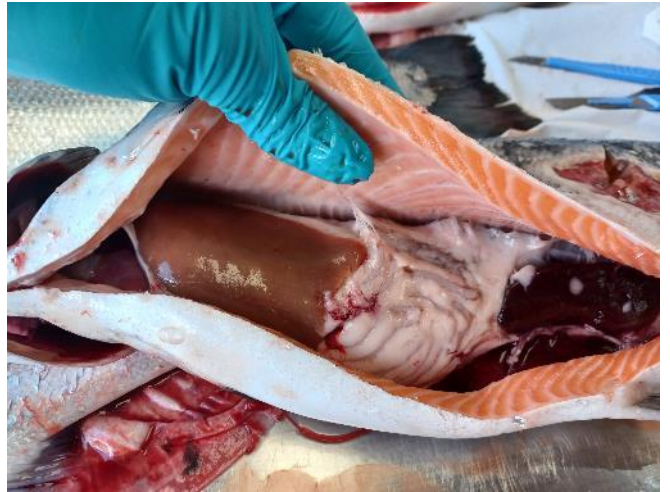
F3



F4



F5





Case No: 2024-0097 Date of visit: 27/03/2024

Time spent on site: 6h Main Inspector: [Redacted]

Site No: FS1042 Site Name: Seaforth  
Business No: FB0119 Business Name: Mowi Scotland Ltd

Case Types: 1 ECI 2 CNI 3 SLI 4 VMD 5 REP 6 DIA

Water Temp (°C): 8 Thermometer No: T173 FHI 045 completed N/A

Observations: Region: WI Water type: S CoGP MA: W-6

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

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

**Additional Case Information:**

Peaks in salmon mortalities: 2023 wk 48 33387 (2.88%), wk 49 59170 (5.19%), wk 50 79026 (7.31%), wk 51 21285 (2.13%), wk 52 20242 (2.07%). Pasteurella the main cause of mortalities with some thermolicer mortalities in wk 49 also, antibiotic (Florfenicol) administered

2024: wk 3 17504 (1.97%) recorded as acute loss medicine (salmosan) and some pasteurella.

Mortalities for the last four weeks, 18th to the 26th March 2024 5415, wk 11 8962 (0.90%), wk 10 13613 (1.54%), wk 9 20576 (2.40%), wk 8 19456 (2.22%) moritella, physical damage, poor performers some seal predation and some decomposed.

Lumpfish peaks in mortality, 2023: wk 47 3161 (2.12%), wk 48 6104 (4.18%), wk 51 5112 (3.70%), wk 52 3575 (2.68%), mainly recorded as tenbaculum but some handling morts as well.

Lumpfish mortalities for the last four weeks: wk 8 1391 (2.70%), wk 9 1928 (3.85%), wk 10 1071 (2.22%), recorded as tenebaculum, wk 11 4867 (10.33%) treatment losses (FLS flusher),

CMS potentially onsite, awaiting results of tests.

On inspection of the site a number of moribunds were observed in each pen, some with obvious physical damage. Site staff have been removing moribunds daily.

Mortality, movement and treatment records inspected 21/3/2024 remotely, all other records inspected on the 27/3/2024.

Case No:  Site No:

Date of Visit:  Inspector(s):

**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	<input type="text" value="10"/>	Facilities stocked	<input type="text" value="10"/>	No facilities inspected	<input type="text" value="10"/>
Species	<input type="text" value="SAL"/>	<input type="text" value="LU"/>			
Age group	<input type="text" value="2023 Q2"/>	<input type="text" value="2023 Q1"/>			
No Fish	<input type="text" value="127,259"/>	<input type="text" value="672,031"/>			
Mean Fish Wt	<input type="text" value="3.68kg"/>	<input type="text" value="3.12kg"/>			
Next Fallow Date (Site)	<input type="text" value="October 2024"/>		Next Input Date (Site)	<input type="text" value="Feb 2025"/>	
Recent (last 4 wks) disease problems?			Any escapes (since last visit)?	<input type="text" value="N"/>	
If yes, detail:	<input type="text" value="Moritella and Tenacibaculum"/>				

**Movement Records**

1. Movement records available for inspection?

2. Date of last inspection:

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 (outwith 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?

If other detail:

3. Mortality records complete and correctly entered?

4. Recent mortality (last 4 wks):

5. Evidence of recent increased/atypical mortalities?

If yes, facility nos/no mortality per facility/no stock per facility/reason:

6. Any other peaks in mortality during period checked?

If yes, detail:

7. Have increased (unexplained) mortalities been reported to vet or FHI?

If yes, detail action:

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)?	<input type="checkbox"/>	Y
If yes, detail:	FLS flusher, salmosan, TMS	
If other, detail:		
2. Medicines records available for inspection?	<input type="checkbox"/>	Y
3. Are records complete and correctly entered?	<input type="checkbox"/>	Y
4. Are fish in a withdrawal period?	<input type="checkbox"/>	Y
5. If yes, what treatment(s)?	Salmosan, TMS	
If other, detail:		
6. Are medicines stored appropriately?	<input type="checkbox"/>	Y

**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:		

**Results of Surveillance**

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

Records checked between:	21/11/2023 to 27/3/2024
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Case no:  Site No:  Date of visit/  
Sampling:

Priority samples: VI  BA  PA  MG  HI

Time sampling starts/ends:   Inspector:  VMD No.

Environmental conditions: 1  2  3  4  5

Summary samples HIST  BA  MG  VI  PA  Total Samples

**Add Fish/Pools - click**

Pool/Fish No	F1	F2	F3	F4	F5								
Fish nos	1	2	3	4	5	6	7						
Pool Group	P1	P1	P1	P1	P1								
Species	SAL	SAL	SAL	SAL	SAL	SAL	SAL						
Average weight	2.9kg	2.9kg	2.9kg	2.9kg	2.9kg	2.9kg	2.9kg						
Sex	N/A	N/A	N/A	N/A	N/A	N/A	N/A						
Water Type	SW	SW	SW	SW	SW	SW	SW						
Stock Details		loch lochy	loch lochy	Loch Arkaig	Loch Arkaig	Loch Arkaig	Loch Arkaig	Loch Lochy					
	Stock Origin												
Facility No	5	5	3	3	3	7	5						





Case no: 2024-0097

Site No: FS1042

Method of killing: Percussive

Date of visit: 27/03/2024

Inspector(s):

Sheet Relevant: Y

S for strong presence: M for medium presence: W for weak presence

Fish Number		1	2	3	4	5				
Time sampled after death (if > 45 minutes)										
External Signs										
Behaviour	Moribund	S	S	S	S	S				
	Lethargic									
	Hanging vertical									
	Spiralling									
	Flashing									
	Loss of equilibrium									
Body	Dark									
	Distended abdomen									
	Anorexic									
	Scale Oedema									
Opercula	Shortened		M							
	Flared									
Haemorrhaging	Throat									
	Ventrum									
	Base of fins									
	Elsewhere	W	W	W		W				
Eyes	Exophthalmic			S						
	Enophthalmic (sunken)									
	Cataract									
	Haemorrhagic									
Gills	Pale									
	Zoned									
	Necrotic									
Lesions	Flank		S			S				
	Elsewhere									
Vent	Inflamed									
	Trailing faeces									
Lice Load	Estimate numbers	0	0	0	0	0				
Internal Signs										
Ascites	Clear									
	Bloody									
Oedema	In tissues									
Heart	Pale/anaemic									
	Granulomas									
	Deformed									
Liver	Petechial haem		m	s						
	Gross haem									
	Tissue breakdown									
	Enlarged									
	Colour number(s)	4	4	6	6	5				
	Granulomas									
	Lesions									
Pyloric caeca	Petechial haem									
	Tubules mauve									
	Lack of fat									
Spleen	Enlarged		m	m	m					
	Granulomas									
Gut	No food present									
	Yellow pseudo-faeces									
	External haem									
	Internal haem									
Body wall	Haemorrhaging									
Swim bladder	Haemorrhaging									
	Fluid filled									
Kidney	Swollen									
	Grey									
	Granular	W	W	W	W	W				
	Liquefied									
General	Parasites present									
	Anaemia									



Additional comments:

Case Number:	2024-0097	Site No:	FS1042	Insp:		
Date of Visit	27/03/2024	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	
Movements off	Frequency of movements off	0	3	6	10	10
	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				
	Farm is on-line or in a coastal zone with category I farms upstream or within 1 tidal excursion	1	2	4		2
	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				0
	Feeding unpasteurised feed	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		1
	Sites sharing staff and equipment	0	1	2		
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				0
	No	3				
Platform access to cages	Yes	0				0
	No	2				
<b>Total Rank</b>					<b>16</b>	<b>MEDIUM</b>

Case No: **2024-0097**

Site No: **FS1042**

**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)
- seal pro nets, top nets, highly tensioned nets,
- 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)

Case No: 2024-0097

Site No: FS1042

Date of Visit: 27/03/2024

Inspector: [REDACTED]

**Point of Compliance**

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

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?

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

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

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

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

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

**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?

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

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

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

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?

**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?

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

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?

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?

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

**Live Fish Movements**

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

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

**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: **2024-0097** Date of visit: **27/03/2024**  
 Site No: **FS1042** Inspector: **[REDACTED]**

Results Summary	Freq.	Date of Notification						
		Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Insp
AGD (Neoparamoeba perurans) (PCR) - AGDQ	0/5	03/04/2024		03/04/2024		26/04/2024		
Paranucleospora theridion (PCR) - PNST	5/5	03/04/2024		03/04/2024		26/04/2024		
Salmon gill poxvirus (PCR) - SPVP	1/5	03/04/2024		03/04/2024		26/04/2024		
IPN (PCR) - IPNM	5/5	03/04/2024		03/04/2024		26/04/2024		
VHS (PCR) - VHSP	0/5	03/04/2024		03/04/2024		26/04/2024		
IHN (PCR) - IHNP	0/5	03/04/2024		03/04/2024		26/04/2024		
ISA (real time qPCR - heart & kidney) - ISAQ	0/5	03/04/2024		03/04/2024		26/04/2024		
Salmonid alphavirus (SAV) (PCR) - SALP	0/5	03/04/2024		03/04/2024		26/04/2024		
Piscine myocarditis virus (CMS) (PCR) - PMVP	0/5	03/04/2024		03/04/2024		26/04/2024		
IPNV sequencing consistency with IPNV A2, virulence motif ITPAD	3/3	15/04/2024		15/04/2024		26/04/2024		
Shewanella spp - SHEW	1/5	16/04/2024		16/04/2024		26/04/2024		
Vibrio species (culture) VSPE	2/5	16/04/2024		16/04/2024		26/04/2024		
Moritella viscosa - VVIS	1/5	16/04/2024		16/04/2024		26/04/2024		
Proliferative gill syndrome (histology) - PGSH	4/4	16/04/2024		16/04/2024		26/04/2024		
Gill pathology - GPAT	4/4	16/04/2024		16/04/2024		26/04/2024		
Heart pathology - HPAT	4/5	16/04/2024		16/04/2024		26/04/2024		
Skin pathology - SKIN	2/5	16/04/2024		16/04/2024		26/04/2024		
Postmortem changes - PMCH	3/5	16/04/2024		16/04/2024		26/04/2024		

Report Summary	Date	Insp	2 <sup>nd</sup> Insp
ECI,CNI,SLI,VMD,REP	03/04/2024		
DIA	24/04/2024		




F1 and F2	5	Atlantic salmon	3.6 kg 2023 Q2	Loch Lochy
F3, F4 and F5	3	Atlantic salmon	3.6 kg 2023 Q2	Loch Arkaig

## Results

**Bacteriology:** Kidney and gill material from F1-5 and lesion material from F2 and F5 were inoculated onto appropriate media for the isolation of bacteria.

The following bacteria were isolated:

- *Moritella viscosa* (lesion F5)
- *Vibrio* sp. (isolate B) (lesion F2)
- *Vibrio* sp. (isolate D) (lesion F2 and F5)
- *Shewanella* sp. (kidney F2)

The level and purity of growth of the second *Vibrio* sp. (Isolate D) would not suggest this bacterium may be implicated as the primary source of this lesion or of overall morbidity.

The level and purity of growth of *Shewanella* sp. would not suggest it would be implicated as the primary source of morbidity.

**Virology:** Tissue samples were tested for segments of nucleic acid indicative of the presence of the pathogens specified below using real-time PCR (qPCR).

### Infectious pancreatic necrosis virus (IPNV)

Fish Number	Endogenous control Cp value	Cp Values			Reported Result (PCR)
F1	15.92	17.84	17.87	17.86	POSITIVE
F2	14.20	18.39	18.67	18.64	POSITIVE
F3	14.98	32.26	32.03	32.17	POSITIVE
F4	15.09	13.86	13.90	13.91	POSITIVE
F5	15.07	24.74	24.88	24.85	POSITIVE

Sequencing analysis of samples from F1, F2 and F4 showed consistency with IPNV A2, virulence motif PTA indicating a persistent virulence typically high morbidity ( $\leq 90\%$ ) and in general little to no mortality (less than 10%)

### Salmon gill poxvirus (SGPV)

Fish Number	Endogenous control Cp value	Cp Values			Reported Result (PCR)
F1		-	-	-	Negative
F2	21.87	32.30	32.34	32.27	POSITIVE
F3		-	-	-	Negative
F4		-	-	-	Negative
F5		-	-	-	Negative

R09

The samples tested negative for infectious haematopoietic necrosis virus (IHNV), infectious salmon anaemia virus (ISAV), salmonid alphavirus (SAV), viral haemorrhagic septicaemia virus (VHSV) and piscine myocarditis virus (PMCV).

**Parasitology:** Tissue samples were tested for segments of nucleic acid indicative of the presence of the parasites specified below using real-time PCR (qPCR).

*Paranucleospora theridion*

Fish Number	Endogenous control Cp value	Cp Values			Reported Result (PCR)
F1	23.47	>40	>40	>40	POSITIVE
F2	21.87	35.80	35.60	35.95	POSITIVE
F3	21.23	34.97	35.18	35.28	POSITIVE
F4	21.37	34.21	34.09	34.09	POSITIVE
F5	22.24	36.98	36.88	36.74	POSITIVE

The samples tested negative for *Neoparamoeba perurans* (AGD).

**Histology:** Tissue samples of gill, skin and skeletal muscle, heart, pyloric caeca, pancreas, hind gut, liver, spleen and kidney, were taken from F1-F5. The tissue samples were fixed in 10% neutral buffered formalin.

Histopathological examination revealed the following:

Gill: Lamellar hyperplasia and fusion, mild, multifocal (F1). Several basophilic epithelial inclusions (likely epitheliocystis) observed in F1. Some aneurysmal dilation/telangiectasia (F1-F5). Some fish displayed post-mortem artefacts (F2, F4-F5).

Skin & Muscle: Lesion: Absence of epidermis. Dermal oedema, mild, with presence Gram-negative rod-shape bacteria, myositis with mild haemorrhage and inflammatory influx (F2). F5 displayed leucocyte infiltration, dermal oedema, and Gram-negative rod-shape bacteria.

Heart: Ranging from very mild to mild myocarditis (F1) and focally extended in F2. Mild epicarditis (F1, F2, F5). F3 displayed two thrombi.

Gut and pyloric caeca: Peritonitis, mild (F5). Some cellular sloughing (F1).

Pancreas: Pancreatic acinar necrosis, very mild to mild, multifocal (F1).

Liver: Several apoptotic individual cells (F1). Hepatocellular vacuolation (macrovesicles), some, diffuse (F4). Mild cuffing (F3).

Kidney: Interstitial necrosis, mild, multifocal (F1, F2) with inflammatory circulating cells. (F1).

Spleen: Some cuffing (F1, F3) and some erythrophagocytosis (F3). Occasional shaped Gram-negative bacilli observed in F2.

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

R09

Signed:



Fish Health Inspector

Date: 24/04/2024

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Scottish Government website at [Fish Health Inspectorate Service Charter - gov.scot \(www.gov.scot\)](https://www.gov.scot/policies/fish-health-inspectorate/)

R09

# FISH HEALTH INSPECTORATE VISIT REPORT

## SUMMARY FOR INFORMATION OF SITE OPERATOR

<b>BUSINESS No</b>	FB0119	<b>DATE OF VISIT</b>	27/03/2024
<b>SITE No</b>	FS1042	<b>SITE NAME</b>	Seaforth
<b>CASE No</b>	20240097	<b>INSPECTOR</b>	██████████

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

The above site was inspected following reports of elevated mortalities.

All epidemiological units were inspected. Samples were taken for diagnostic purposes. A separate report will be issued detailing the results of these tests.

#### Records

The surveillance frequency category of the site was assessed as medium. An inspection under the Aquatic Animal Health (Scotland) Regulations 2009 will be conducted every second 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.

Mortality levels had exceeded the reporting criteria since the last inspection and had been reported to the Fish Health Inspectorate as required.

Reports detailing the results of animal health surveillance carried out by or on behalf of the business and/or Marine Directorate were available for inspection.

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

### Inspection under the Animals and Animal Products (Examination for Residues and Maximum Residue Limits) (England and Scotland) Regulations 2015

Medicine records were inspected and found to be adequately maintained.

Samples were taken to be analysed for veterinary residues.

R25

## 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 section 3 regarding parasites (sea lice), section 4A regarding fish farm management agreements and statements and section 5 regarding containment and escapes.

On this occasion the site was found to be satisfactory with regards to parasites, fish farm management agreements and statements and 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: 03/04/2024

Fish Health Inspector

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Scottish Government website at [Fish Health Inspectorate Service Charter - gov.scot \(www.gov.scot\)](https://www.gov.scot/policies/fish-health-inspectorate/)



Case No:  Date of visit:

Time spent on site:  Main Inspector:

Site No:  Site Name:   
Business No:  Business Name:

Case Types: 1  2  3  4  5  6

Water Temp (°C):  Thermometer No:  FHI 045 completed

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

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

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

**Additional Case Information:**

All shellfish moved off for human consumption only, invoices of these movements kept, haulage records also maintained for movements to the mainland.

Spat collection has improved in recent years. Collectors will be put out in June.

No issues to note.

Case No:  Site No:

Date of Visit:  Inspector(s):

**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	<input type="text" value="5"/>	Facilities stocked	<input type="text" value="5"/>	No facilities inspected	<input type="text" value="5"/>
Species	<input type="text" value="MED"/>	<input type="text" value="MED"/>	<input type="text" value="MED"/>		
Age group	<input type="text" value="2023"/>	<input type="text" value="2022"/>	<input type="text" value="2021"/>		
No Fish	<input type="text" value="15 tonne"/>	<input type="text" value="20 tonne"/>	<input type="text" value="20 tonne"/>		
Mean Fish Wt	<input type="text" value="N/A"/>	<input type="text" value="N/A"/>	<input type="text" value="N/A"/>		
Next Fallow Date (Site)	<input type="text" value="ongoing"/>		Next Input Date (Site)	<input type="text" value="spat collection in June 2024"/>	
Recent (last 4 wks) disease problems?			Any escapes (since last visit)?	<input type="text" value="N/A"/>	
If yes, detail:	<input type="text" value=""/>				

**Movement Records**

1. Movement records available for inspection?

2. Date of last inspection:

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 (outwith 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?

If other detail:

3. Mortality records complete and correctly entered?

4. Recent mortality (last 4 wks):

5. Evidence of recent increased/atypical mortalities?

If yes, facility nos/no mortality per facility/no stock per facility/reason:

6. Any other peaks in mortality during period checked?

If yes, detail:

7. Have increased (unexplained) mortalities been reported to vet or FHI?

If yes, detail action:

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:	23/11/2022 to 26/3/2024
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Case Number:	2024-0098	Site No:	SS0598
Date of Visit	26/03/2024	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
<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
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
<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
<b>Biosecurity</b>			
	<b>Number of sites</b>	1	2 or 3
			≥ 4
Contacts with other sites	Sites operating from single shorebase	0	1
	Sites sharing staff and equipment	0	1
			Yes
	Disinfection of equipment between sites, use of footbaths etc	0	2
<b>Total Risk</b>			17
			<b>MEDIUM</b>





# FISH HEALTH INSPECTORATE VISIT REPORT

## SUMMARY FOR INFORMATION OF SITE OPERATOR

<b>BUSINESS No</b>	SB0394	<b>DATE OF VISIT</b>	26/03/2024
<b>SITE No</b>	SS0598	<b>SITE NAME</b>	Lewis Mussels
<b>CASE No</b>	20240098	<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 medium. An inspection under the Aquatic Animal Health (Scotland) Regulations 2009 will be conducted every second 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.

No mortality had been observed on site since the last inspection by Marine Directorate .

No animal health surveillance had been carried out on behalf of the business and/or Marine Directorate since the last Marine Directorate 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: 03/04/2024

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Scottish Government website at [Fish Health Inspectorate Service Charter - gov.scot](https://www.gov.scot/policies/fish-health-inspectorate/) ([www.gov.scot](http://www.gov.scot))



Case No: 2024-0099 Date of visit: 26/03/2024

Time spent on site: 30mins Main Inspector: [Redacted]

Site No: SS0773 Site Name: Sgeir nan Each  
Business No: SB0394 Business Name: Lewis Mussels

Case Types: 1 REG 2 [ ] 3 [ ] 4 [ ] 5 [ ] 6 [ ]

Water Temp (°C): [ ] Thermometer No: [ ] FHI 045 completed [ ]

Observations: Region: WI Water type: S CoGP MA: [ ]

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

UNI/REG only - if unable to carry out intended visit detail reason below:  
No boat available

**Additional Case Information:**

A site inspection could not be completed as there was no boat available to access the site. The offshore inspection was going to be completed by another Inspector at a later date whilst they were at neighbouring mussel site however, this inspection was required to be delayed until next year.

All paperwork was completed when inspecting the operators other site, Lewis Mussels (SS0598).

Three lines stocked with 10 tonnes 2023 spat and 15 tonnes 2022 growers. It is planned to put new lines out this year.

All movements off for human consumption.

Case No: 2024-0099

Site No: SS0773

Date of Visit: 26/03/2024

Inspector(s):

**Registration/Authorisation Details**

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

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

Total No facilities	5 200m lines	Facilities stocked	3	No facilities inspected	0
Species	MED	MED			
Age group	2023 spat	2022			
No Fish	10 tonnes	15 tonnes			
Mean Fish Wt	n/a	n/a			
Next Fallow Date (Site)	ongoing cycle		Next Input Date (Site)	Spat collectors out in June 2024	
Recent (last 4 wks) disease problems?			N	Any escapes (since last visit)?	N/A
If yes, detail:					

**Movement Records**

- 1. Movement records available for inspection? Y
- 2. Date of last inspection: 23/11/2022
- 3. Are records complete and correctly entered? Y
- 4. Are movement records available for dead fish and waste? N/A
- 5. Are records complete and correctly entered? N/A
- 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)?
- If yes, is there a system in place for maintenance of transportation records?

**Mortality Records**

- 1. Mortality records available for inspection? N/A
- 2. How are mortalities disposed of? Other (detail)
- If other detail: empty shells fall to sea bed, no mortalities observed since the last inspection so no records to inspect
- 3. Mortality records complete and correctly entered? N/A
- 4. Recent mortality (last 4 wks): 0
- 5. Evidence of recent increased/atypical mortalities? N/A
- If yes, facility nos/no mortality per facility/no stock per facility/reason:
- 6. Any other peaks in mortality during period checked? N/A
- 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)?	
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?		N/A
3. Any significant results?		N/A
If yes, detail (if not detailed under recent disease problems).		

Records checked between:	23/11/2022 to 26/3/2024
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Case Number:	2024-0099	Site No:	SS0773
Date of Visit	26/03/2024	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
<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
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
<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
<b>Biosecurity</b>			
	<b>Number of sites</b>	1	2 or 3
			≥ 4
Contacts with other sites	Sites operating from single shorebase	0	1
	Sites sharing staff and equipment	0	1
			Yes
	Disinfection of equipment between sites, use of footbaths etc	0	2
<b>Total Risk</b>			17
			<b>MEDIUM</b>





# FISH HEALTH INSPECTORATE VISIT REPORT

## SUMMARY FOR INFORMATION OF SITE OPERATOR

<b>BUSINESS No</b>	SB0394	<b>DATE OF VISIT</b>	26/03/2024
<b>SITE No</b>	SS0773	<b>SITE NAME</b>	Sgeir nan Each
<b>CASE No</b>	20240099	<b>INSPECTOR</b>	[REDACTED]

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

A visit to the above site was arranged in accordance with the Aquatic Animal Health (Scotland) Regulations 2009.

On this occasion, the site inspection could not be conducted as there was no boat available to access the site.

### Records

The surveillance frequency category of the site was assessed as medium. An inspection under the Aquatic Animal Health (Scotland) Regulations 2009 will be conducted every second 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.

No mortality had been observed on site since the last inspection by Marine Directorate .

No animal health surveillance had been carried out on behalf of the business and/or Marine Directorate since the last Marine Directorate 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:

[REDACTED]

Date: 30/4/2024

Fish Health Inspector

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Scottish Government website at [Fish Health Inspectorate Service Charter - gov.scot \(www.gov.scot\)](http://www.gov.scot)

R10

Case No: 2024-0100 Date of visit: 26/03/2024

Time spent on site: 6 hours Main Inspector: [Redacted]

Site No: FS0249 Site Name: Ardnish

Business No: FB0119 Business Name: Mowi Scotland Ltd

Case Types: 1 ECS 2 CNI 3 SLI 4 [ ] 5 [ ] 6 [ ]

Water Temp (°C): 8.23 Thermometer No: T310 FHI 045 completed N/A

Observations: Region: HI Water type: S CoGP MA: M-31

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:

[Redacted]



**Additional Case Information:**

Fish came on Nov 2023 - Just trout for this cycle as far as manager is aware. 6 Pens from Kinnaird. 3 from Frandy.

Mortality levels seem to be slightly higher in Frandy fish - nothing coming back on samples but hearts seems larger.

Last Salmon harvested out September 2023. Fish leave site dead. Been using the Nove Scotia (deadhaul) boat recently but this cycle they might use the harvesting equipment on shore.

Grumbling mortality - seems to be from failed fish changing from brackish water to this concentration of salinity.

Treatments this cycle: SLICE at start of Feb 2024 (7 days)

Is the only site in management area so isn't fallowed synchronously.

Latest health report: 7th March 2024 - no significant findings regarding tests (Aeromonas, Piscine orthoreovirus, IPN, moritella viscosa, SAV, PDV, yersinia ruckeri, PMCV or ternacibalum spp.) but an increase in the number of misshaped hearts could be observed.

Sealice: Lice levels increased just before the harvesting period in 2022 (2.74 in week 20) and 2023 (3.67 in week 32).

During physical inspection of the site fish appeared healthy, shoaling well and had good feed responses. Fish taken for the statutory ISA sampling had no lice on them and appeared healthy both internally and externally.

Case No:  Site No:

Date of Visit:  Inspector(s):

**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	<input type="text" value="94"/>	Facilities stocked	<input type="text" value="9"/>	No facilities inspected	<input type="text" value="94"/>
Species	<input type="text" value="RTR"/>				
Age group	<input type="text" value="2023 Q4"/>				
No Fish	<input type="text" value="136,896"/>				
Mean Fish Wt	<input type="text" value="1.324kg"/>				
Next Fallow Date (Site)	<input type="text" value="Oct/Nov 2024"/>	Next Input Date (Site)	<input type="text" value="Jan/Feb 2025"/>		
Recent (last 4 wks) disease problems?	<input type="text" value="N"/>		Any escapes (since last visit)?	<input type="text" value="N"/>	
If yes, detail:	<input type="text" value=""/>				

**Movement Records**

1. Movement records available for inspection?

2. Date of last inspection:

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 (outwith 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?

If other detail:

3. Mortality records complete and correctly entered?

4. Recent mortality (last 4 wks):

5. Evidence of recent increased/atypical mortalities?

If yes, facility nos/no mortality per facility/no stock per facility/reason:

6. Any other peaks in mortality during period checked?

If yes, detail:

7. Have increased (unexplained) mortalities been reported to vet or FHI?

If yes, detail action:

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)?	<input type="checkbox"/>	Y
If yes, detail: T.M.S, SLICE		
If other, detail:		
2. Medicines records available for inspection?	<input type="checkbox"/>	Y
3. Are records complete and correctly entered?	<input type="checkbox"/>	Y
4. Are fish in a withdrawal period?	<input type="checkbox"/>	Y
5. If yes, what treatment(s)?	<input type="checkbox"/>	T.M.S and SLICE
If other, detail:		
6. Are medicines stored appropriately?	<input type="checkbox"/>	Y

**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:		

**Results of Surveillance**

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

Records checked between:	29/04/2021 - 26/03/2024
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Case no:  Site No:  Date of visit/  
Sampling:

Priority samples: VI  BA  PA  MG  HI

Time sampling starts/ends:   Inspector:  VMD No.

Environmental conditions: 1  2  3  4  5

Summary samples HIST  BA  MG  VI  PA  Total Samples

**Add Fish/Pools - click**

Pool/Fish No	1	2	3	4	5	6						
Fish nos	1-5	6-10	11-15	16-20	21-25	26-30						
Pool Group	1	2	3	4	5	6						
Species	RTR	RTR	RTR	RTR	RTR	RTR						
Average weight	1.3240	1.3240	1.3240	1.3240	1.3240	1.3240						
Sex	N/A	N/A	N/A	N/A	N/A	N/A						
Water Type	SW	SW	SW	SW	SW	SW						
Stock Details		Frandy (FS0551)	Frandy (FS0551)	Frandy (FS0551)	Kinnaid (FS0508)	Kinnaid (FS0508)	Kinnaid (FS0508)					
	Stock Origin											
Facility No	5	5	5	6	6	6						



Case Number:	2024-0100	Site No:	FS0249	Insp:		
Date of Visit	26/03/2024	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	
	Number of suppliers	0	5	10	14	
Movements off	Frequency of movements off	0	3	6	10	0
	Number of destinations	0	3	6	10	0
<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				
	Farm is on-line or in a coastal zone with category I farms upstream or within 1 tidal excursion	1	2	4		1
	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				
	Processing own fish (re-cycling risk)	1				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				0
	Feeding unpasteurised feed	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		
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				0
	No	3				
Platform access to cages	Yes	0				0
	No	2				
<b>Total Rank</b>					<b>2</b>	<b>LOW</b>

Case No: **2024-0100**

Site No: **FS0249**

**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)

Top nets, weighted Seal Pro nets  
 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)

Case No: 2024-0100

Site No: FS0249

Date of Visit: 26/03/2024

Inspector: [REDACTED]

**Point of Compliance**

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

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?

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

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

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

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

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

**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?

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

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

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

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?

**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?

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

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?

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?

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

**Live Fish Movements**

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

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



**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?







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.

Mortality levels had exceeded the reporting criteria since the last inspection and had not been reported to the Fish Health Inspectorate. I would like to remind you of the industry agreement in relation to mortality reporting as detailed in A Code of Good Practice for Scottish Finfish Aquaculture.

Reports detailing the results of animal health surveillance carried out by or on behalf of the business and/or Marine Directorate were available for inspection.

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

The following points were raised with the site representative during the inspection:

- Three mortality events in 2021 (Wks 33-35) have not been reported to FHI. A corrupt file at the time resulted in the missed reporting. Mortality notifications have now been submitted for these weeks. No further action required.

### **Inspection under the Animals and Animal Products (Examination for Residues and Maximum Residue Limits) (England and Scotland) Regulations 2015**

Medicine records were inspected and found to be adequately maintained.

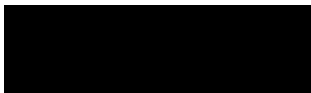
### **Inspection under the Aquaculture and Fisheries (Scotland) Act 2007**

The site was also inspected in accordance with the Aquaculture and Fisheries (Scotland) Act 2007, as amended, with respect to section 3 regarding parasites (sea lice), section 4A regarding fish farm management agreements and statements and section 5 regarding containment and escapes.

On this occasion the site was found to be satisfactory with regards to parasites, fish farm management agreements and statements and 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: 11/04/2024

Fish Health Inspector

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Scottish Government website at [Fish Health Inspectorate Service Charter - gov.scot \(www.gov.scot\)](https://www.gov.scot/policies/fish-health-inspectorate/)

Case No: 2024-0101 Date of visit: 27/03/2024

Time spent on site: 2 hours Main Inspector:

Site No: FS1240 Site Name: Highland

Business No: FB0544 Business Name: Scotland

Case Types: 1 PPI 2 3 4 5 6

Water Temp (°C): Thermometer No: FHI 045 completed

Observations: Region: HI Water type: B CoGP MA:

- Dead/weak/abnormally behaving fish present?
Clinical signs of disease observed?
Gross pathology observed?
Diagnostic samples taken?

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

**Additional Case Information:**

An inspection was carried out at Mowi's Blar Mhor processing facility to assess the biosecurity measures in place after the recent machinery update at the facility. The authorised processing establishment checklist was completed, which details the systems that are in place.

The site as a whole is still under construction however phase one of redevelopment to the processing facilities is complete. All current processing is taking place within the new building adjacent to the original processing plant. The next phase of redevelopment is under way with the original building currently being gutted and then upgraded. Once complete, the wall between the two buildings will be opened up and combined to expand the processing facilities, almost doubling the processing capabilities.

Fish can now only be received as dead haul via tankers. Tankers arrive in the yard and park in the back right corner so that water checks can be carried out. Once complete, the tankers reverse up to the processing plant with the valve hanging over a concrete bunded area with central drains. Large pipes are connected to the tankers and attached to a transfer pipe which transfers the fish from the tanker to inside the factory where they can be processed. Once emptied the tankers are then disinfected on site prior to departure using CIP (a 6 stage process) - Oxysan 15 which is an acid-based disinfectant is used in the tankers CIP, this is dosed at between 250 and 500ppm, Timings are: Stage 1 rinse 1 minute, Stage 2 rinse 1 minute, stage 3 chemical dosing 3 minutes, stage 4 Chemical wash 15 minutes, stage 5 Final Rinse 2 minutes. Stage 6 Manual external clean and disinfection).

The yard is bunded with central drains for the collection of any bloodwater. Tankers are not currently disinfected on arrival into the yard as all tankers go from the plant to the harvest stations and then return – no tankers are ever on sites which may be under disease control restrictions. If the need arises, disinfection of vehicles on arrival into the yard could be implemented using disinfection mats that the vehicles drive over. It is thought that this would likely be unnecessary unless external vehicles (picking up waste products) were coming onto site and had been on a site where a notifiable disease was present. Due to continued construction on site, the one-way traffic system is no longer in place and vehicles enter and leave the yard site via the same main gate. The loading area for lorries transporting the final processed product from the plant is not located in the secured bunded yard where unloading of fish takes place.

The waste disposal system has not changed since the last inspection. All effluent water from the site is collected in floor drains and transferred via underground pipes to an underground sump. From here, the water is moved through the on-site treatment plant which is situated separately from the processing areas. The plant is padlocked for controlled access. All wastewater from the site on arrival at the plant, first moves through a drum filter (2.5mm mesh) before moving into a DAF unit where solid waste is removed. The separated solids are then moved over a belt press and an emulsion polymer is injected. The solid waste is then dosed with formic acid (<4pH) and a deodorising scrubber before being transported to a holding tank before being uplifted and taken to Energen Biogas. The remaining wastewater with solids removed is passed through the treatment room where a chemical feed is administered (sodium hypochlorite (up to 5ppm), ferric sulphate and emulsion polymer). Disinfected wastewater then passes through a sample point to comply with discharge consents before being discharged into mains sewage where it is transported to Caol waste water treatment works.

Currently all visitors must be met before gaining entry to the site and must sign in at the temporary cafeteria located in a portacabin outside the processing building. Staff gain access into the processing plant using a facial recognition system. As visitors must be accompanied during their visit, access to the facility is gained via the staff member. Hand sanitisers are strategically placed throughout the facility and there is a changing room whereby staff and visitors must change into site-specific PPE before entering the primary processing area. PPE comprises of wellies, overalls and hair nets (these are disposable). There is a hand washing station located at the entrance to the primary processing area. Footbaths are also deployed at strategic points around the site.

At present all fish are being processed as head on and gutted, with fish being transported to the Rosyth facility if additional processing such as filleting is required. Once pumped into the processing plant, fish are transported along a conveyor belt where they are sorted through 5 processing lines: 4 machine gutting lines and one manual. The external quality characteristics of the fish are graded pre gutting by the operative feeding the machines, there is a camera system within the machines which is capable of grading the internal quality characteristics of the fish.

Minimal fish handling is required with a conveyor system in operation, keeping the area clean throughout the gutting process. Fish are currently graded via camera technology and weighing systems before being directed via conveyor belts and gates to the packing area where they will be packed into bins or boxes depending on the orders the plant needs to fulfil. The processing and packing area is fully enclosed with floor drains feeding into the effluent treatment system. Viscera from the vacuum pumps are transported via pipes to a large holding tank located outside in the yard. Here, the waste is dosed with formic acid at a pH<4 before it is uplifted and transported by contained tankers to Pelagia for further processing/ensiling.

Across the site, equipment is colour-coded to specific work areas. Drains are also colour coded. Waste transfer records are maintained for each uplift. Any ice that is used throughout the process is also collected in colour-coded bins and transferred to the treatment plant before discharge into mains sewage.

The processing area including all equipment and surfaces is cleaned and disinfected at the end of each day (not between batches of fish from different sites). The plant works on a food safety basis so would not necessarily clean between batches of fish from different sites even if one had a notifiable disease however would happily process fish coming from sites subject to control measures for bacterial kidney disease (BKD) last and then the processing site would be cleaned and disinfected following the processing of these fish.

Traceability records such as number of animals received, farm of origin, destination of product, number and destination of animals rejected, staff and visitor movements on and off site, cleaning and disinfection of vehicles and transport containers, cleaning and disinfection of personnel and equipment brought onto and off site and staff training records are all maintained. Staff are trained in food hygiene procedures but not bio-security specifically and recognition of clinical diseases of fish. Staff however are trained to report if any fish coming in to be processed looks or smells "wrong/different". Depending on what they find, production can be halted while the issue is investigated. The processing facility relies largely on the site staff on the fish farms to have identified any health/disease issues.

Case No: 2024-0101

Site No: FS1240

Date of Visit: 27/03/2024

Inspector(s):

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	Facilities stocked	No facilities inspected
Species		
Age group		
No Fish		
Mean Fish Wt		
Next Fallow Date (Site)	Next Input Date (Site)	
Recent (last 4 wks) disease problems?	Any escapes (since last visit)?	
If yes, detail:		

Movement Records

- 1. Movement records available for inspection?
- 2. Date of last inspection:
- 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 (outwith 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?
- If other detail:
- 3. Mortality records complete and correctly entered?
- 4. Recent mortality (last 4 wks):
- 5. Evidence of recent increased/atypical mortalities?
- If yes, facility nos/no mortality per facility/no stock per facility/reason:
- 6. Any other peaks in mortality during period checked?
- If yes, detail:
- 7. Have increased (unexplained) mortalities been reported to vet or FHI?
- If yes, detail action:
- 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?

2. Has the manner and frequency of mortality removal, recording and safe disposal been considered?

3. Has the manner and period in which the APB will notify Scottish Ministers or veterinary professional of any *increased (unexplained)* mortality at the site been included?

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 *how* and *when* that will be notified to Scottish Ministers?

5. Has the health status of aquaculture animals being stocked on the farm site been covered (equal or higher health status, certification if required)?

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.)?

7. Is documentation available regarding the measures in place to maintain the physical containment of aquaculture animals held on site?

8. Have the biosecurity procedures been adequately implemented on site?

If no, detail:

**Results of Surveillance**

1. Has any animal health surveillance been carried out by, or on behalf of, the business?

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:





# FISH HEALTH INSPECTORATE VISIT REPORT

## SUMMARY FOR INFORMATION OF SITE OPERATOR

<b>BUSINESS No</b>	FB0544	<b>DATE OF VISIT</b>	27/03/2024
<b>SITE No</b>	FS1240	<b>SITE NAME</b>	Highland – Blar Mhor Processing Facility
<b>CASE No</b>	20240101	<b>INSPECTOR</b>	[REDACTED]

### PROCESSING PLANT INSPECTION

An inspection of the above facility was made in accordance with the Aquatic Animal Health (Scotland) Regulations 2009 to assess the measures in place for the processing of fish harvested from aquaculture sites subject to control measures for bacterial kidney disease after the recent upgrades to the processing plant.

As procedures set out in the permissions to harvest fish from the three sites covered by confirmed designation notices for bacterial kidney disease; Loch Earn (FS0180), Braevallich (FS0260), and Tervine (FS0268), are no longer in place these permissions are withdrawn. Should you wish in future to harvest fish from these sites to Blar Mhor processing facility please reapply for permission.

If reapplying, additional improvements would be required prior to the facility being authorised to process fish subject to disease control measures for other listed diseases as required by regulation 7 of the Aquatic Animal Health (Scotland) Regulations 2009 (the 2009 Regs). Prior to authorisation as a processing establishment by the competent authority under the 2009 Regs, for the site to process fish subject to disease control measures (for listed diseases, other than BKD), the following areas require further investigation and improvement:

- Contingency plans to deal with a breach of the biosecurity systems at the processing establishment will need to be developed and followed
- Procedures for the immediate notification of the Scottish Ministers in the event of a breach in biosecurity at the processing facility
- Staff training in the recognition of clinical signs of listed diseases.

Details of the process of applying for authorisation with Marine Scotland are available at:

[Aquaculture Processing Establishment \(APE\): forms and guidance - gov.scot \(www.gov.scot\)](http://www.gov.scot/government/publications/aquaculture-processing-establishment-ape-forms-and-guidance). Should Mowi wish to seek authorisation for the Blar Mhor processing facility in accordance with the Aquatic Animal Health Regulations 2009, please contact the Fish Health Inspectorate

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

Signed: [REDACTED]

Date: 16/04/2024

Fish Health Inspector

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Scottish Government website at [Fish Health Inspectorate Service Charter - gov.scot \(www.gov.scot\)](http://www.gov.scot/government/publications/fish-health-inspectorate-service-charter)

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