

Case No: 2020-0118 Date of visit: 10/03/2020

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

Site No: FS1318 Site Name: Portree Outer

Business No: FB0169 Business Name: The Scottish Salmon Company

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

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

Observations: Region: HI Water type: S CoGP MA M-26

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

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

Unable to inspect pens due to adverse weather

**Additional Case Information:**

Live harvest to Arnish.

Morts; 2020 wk7 735, 0.17%, wk8 550, 0.13%, wk 9 2194, 0.52 (seal and post treatment), wk10 851, 0.21%

Unable to inspect pens due to adverse weather. Fish had been collected from yesterdays harvest and stored at the site shore base for flesh quality sampling by TSSC and EWOS. Pen numbers were recorded. Samples were taken from these fish for VMD sampling.

Morts ensiled on barge, removed by Ferguson. 5 removals this cycle. Taken to Energen Biogas in Cumbernauld.

Routine health checks every 2 weeks by own health team.

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**

Total No facilities	<input type="text" value="10"/>	Facilities stocked	<input type="text" value="9"/>	No facilities inspected	<input type="text" value="0"/>
Species	<input type="text" value="sal lump fish"/>				
Age group	<input type="text" value="2018 S0"/>	<input type="text" value="MVG"/>			
No Fish	<input type="text" value="341,917"/>	<input type="text" value="about 11%"/>			
Mean Fish Wt	<input type="text" value="4278"/>	<input type="text" value="mixed"/>			
Next Fallow Date (Site)	<input type="text" value="April/ May 2020"/>		Next Input Date (Site)	<input type="text" value="Sept 2020"/>	

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, add MRT case and enter on mortality events sheet.

1. Recent treatments (last 4 wks)?	<input type="checkbox"/>	Y
If yes, detail:	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)?	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"/>	N/A
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).		

AGD - not causing issues on site

Records checked between: 28/11/18-11/3/20



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	2	3	4								
Pool Group												
Species	SAL	SAL	SAL	SAL								
Average weight	4kg	4kg	4kg	4kg								
Sex												
Water Type	SW	SW	SW	SW								
Stock Details		Russel Burn	Russel Burn	Russel Burn	Russel Burn							
	Stock Origin											
Facility No	19	16	12	13								



Case Number:	2020-0118	Site No:	FS1318	Insp:		
Date of Visit	10/03/2020	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	
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>	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				
	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				
	Common processes with other farms	3				
	Collection point for waste from other farms	5				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				
	No	1				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>23</b>	<b>MEDIUM</b>

Case No: **2020-0118**

Site No: **FS1318**

**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.

**unable to inspect due to weather**

**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, seal blinds, no ADD use due to lic restrictions, looking to get seal pro next cycle.**

**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)

**unable to inspect due to weather**

Case No: 2020-0118

Site No: FS1318

Date of Visit: 10/03/2020

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?

Site No: FS1318

Case No: 2020-0118

Nature of non-compliance:

Action taken (FHI):

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





[REDACTED]  
The Scottish Salmon Company  
1 Smithy Lane  
Lochgilphead  
Argyll  
PA31 8TA  
[REDACTED]

## FISH HEALTH INSPECTORATE VISIT REPORT

### SUMMARY FOR INFORMATION OF SITE OPERATOR

<b>BUSINESS No</b>	FB0169	<b>DATE OF VISIT</b>	11/03/2020
<b>SITE No</b>	FS1318	<b>SITE NAME</b>	Portree Outer
<b>INSPECTOR</b>	[REDACTED]	<b>CASE No</b>	20200118

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

The above site was visited, in accordance with the Aquatic Animal Health (Scotland) Regulations 2009, and to meet the requirements of European Community Council Directive 2006/88/EC.

On this occasion, the site inspection could not be conducted due to adverse weather. Paperwork was completed and samples were taken from previously harvested fish for veterinary residue testing.

#### 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 Scotland were available for inspection.

R25

The biosecurity measures plan for the site was inspected and found to be adequately maintained and implemented. However an inspection of the fish and pens was not possible to confirm procedures on site.

**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 paperwork 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 paperwork was found to be satisfactory with regards to parasites, fish farm management agreements and statements and containment and escapes. An inspection of the fish and pens was not possible to confirm procedures on site.

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

Signed:



Date:19/03/2020

Fish Health Inspector

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Marine Scotland website at [www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter](http://www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter)

Case No: 2020-0119 Date of visit: 09/03/2020

Time spent on site: 1 hour Main Inspector:

Site No: SS0131 Site Name: Site 1
Business No: SB0087 Business Name: Isle of Skye Oysters

Case Types: 1 ECI 2 3 4 5 6

Water Temp (°C): not collected Thermometer No: 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:

**Additional Case Information:**

Site in disrepair with broken trestles and thick growth of sea weed on bags. Some bags not attached to trestles and a small number of Pacific oysters scattered on sea bed. Flat oysters also observed growing wild in the area.

Site has not been managed for an estimated 3 years. Last input was 2017 from Guernsay. No harvest for many years. The site is to be taken over by new manager. No movement book available from previous manager and no BMP. New book to be sent to new correspondent and BMP to be set up. Loose oysters will be gathered. Depuration facilities previously used are no longer available. Looking to develop new facility for depuration. In the process of getting Crown Estate lease amended to current operator.

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**

Total No facilities	<input type="text" value="150"/>	Facilities stocked	<input type="text" value="150"/>	No facilities inspected	<input type="text" value="150"/>
Species	<input type="text" value="Pacific oysters"/>				
Age group	<input type="text" value="adult"/>				
No Fish	<input type="text" value="unknown"/>				
Mean Fish Wt	<input type="text" value="unknown"/>				
Next Fallow Date (Site)	<input type="text" value="none"/>	Next Input Date (Site)	<input type="text" value="none planned"/>		

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, add MRT case and enter on mortality events sheet.

1. Recent treatments (last 4 wks)?	
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?	N
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)?	N
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?	N
If no, detail:	Site has been unmanaged for a period of time.

**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: no records to check

Case Number:	2020-0119	Site No:	SS0131
Date of Visit	09/03/2020	Inspector:	
<b>Number of Susceptible species on site</b>			
If no susceptible species present = <b>LOW</b> risk			
If susceptible species present, score for each pathogen			
		No	Yes
	Susceptible to Bonamia ostrea (OED)	0	25
	Susceptible to Marteilia refringens (OED, MED)	0	3
	Susceptible to OshV (CGI)	0	3
<b>Sites within a tidal excursion</b>			
		1	2-5
			>6
Site contacts	Number of sites holding susceptible species within a tidal excursion	0	2
			10
			0
<b>Live shellfish movements</b>			
		0	1-2
			>3
Movements on	Frequency of movements on from equivalent MS	0	5
	Frequency of movements on from equivalent zone or compartment including third country	0	10
	Number of suppliers	0	5
			10
			0
Movements off	Frequency of movements off <u>within</u> MSS Management Areas	0	1
	Frequency of movements off <u>outwith</u> MSS Management Areas	0	3
	Number of destinations	0	3
			6
			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
			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
			2
			2
<b>Total Risk</b>			5
<b>Total Risk</b>			<b>LOW</b>





Isle of Skye Oysters  
An Carn  
Fiscavaig  
Carbost  
IV47 8SN

## FISH HEALTH INSPECTORATE VISIT REPORT

### SUMMARY FOR INFORMATION OF SITE OPERATOR

<b>BUSINESS No</b>	SB0087	<b>DATE OF VISIT</b>	09/03/2020
<b>SITE No</b>	SS0131	<b>SITE NAME</b>	Site 1
<b>INSPECTOR</b>		<b>CASE No</b>	20200119

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

The above site was inspected, in accordance with the Aquatic Animal Health (Scotland) Regulations 2009, and to meet the requirements of European Community Council Directive 2006/88/EC.

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

#### Records

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

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

Aquaculture animal and aquaculture animal product movement records were not available for inspection.

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

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

The biosecurity measures plan for the site was not available for inspection.

Since the site inspection a biosecurity measures plan has been drafted, submitted and agreed with the site manager. A new movement book has been sent to the site manager and all future movements on and off site will be recorded.

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:

A black rectangular box redacting the signature of the Fish Health Inspector.

Fish Health Inspector

Date: 30/03/2020

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Marine Scotland website at [www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter](http://www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter)

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: CE 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:**

Site has experienced 5/6 mortalities per day from one of the two ponds on site. This pond contains ~8,000 rainbow trout and the site manager has been observing this increased rate in mortalities for around 2-3 weeks. The fish arrived from a hatchery in Yorkshire in November 2019 and the site manager has been receiving fish from this site for ~30 years and has never had any previous problems with the stock.

Many of the females in the pond are already beginning to mature and each fish sampled for the diagnostic contained eggs.

Following collection of samples, manager requested the samples be tested for BKD. Because no additional kidney tissue was sampled for this, diagnostics extracted DNA from the histology samples.

Edogenous controls are marked as 'fail' on LIMS because tissue material was cut from the wax blocks for an FFPE extraction. There are no endogenous Cp limits for FFPE extracted tissue as this is not the routine method for BKD testing and was not included in the endogenous validation.

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**

Total No facilities	<input type="text" value="2"/>	Facilities stocked	<input type="text" value="2"/>	No facilities inspected	<input type="text" value="2"/>
Species	<input type="text" value="RTR"/>				
Age group	<input type="text" value="2019"/>				
No Fish	<input type="text" value="8,000"/>				
Mean Fish Wt	<input type="text" value="450g"/>				
Next Fallow Date (Site)	<input type="text" value="No plan."/>	Next Input Date (Site)	<input type="text" value="Unsure."/>		

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, add MRT case and enter on mortality events sheet.

1. Recent treatments (last 4 wks)?	
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 <i>increased (unexplained)</i> 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 <i>how</i> and <i>when</i> 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?		Y
2. If yes, are results available for inspection?		Y
3. Any significant results?		N
If yes, detail (if not detailed under recent disease problems).		

Records checked between: 02/03/2020

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	P1							
Fish nos	1	2	3	4	5	1-5							
Pool Group	P1	P1	P1	P1	P1								
Species	RTR	RTR	RTR	RTR	RTR								
Average weight	450g	450g	450g	450g	450g								
Sex	Female	Female	Female	Female	Female								
Water Type	FW	FW	FW	FW	FW								
Stock Details		Costa Springs Hatchery	Costa Springs Hatchery	Costa Springs Hatchery	Costa Springs Hatchery	Costa Springs Hatchery							
	Stock Origin	Costa Springs Hatchery	Costa Springs Hatchery	Costa Springs Hatchery	Costa Springs Hatchery	Costa Springs Hatchery							
Facility No	Lower F	Lower F	Lower F	Lower F	Lower Pond Malling								





Case no: 2020-0121

Site No: FIS0502

Method of killing: Percussive

Date of visit: 02/03/2020

Inspector(s):

Sheet Relevant: Y

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

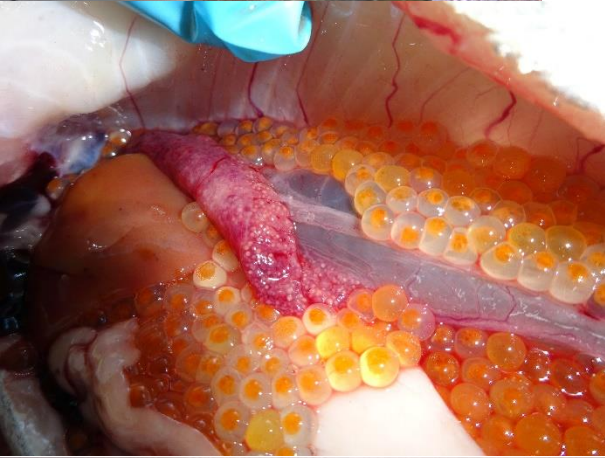
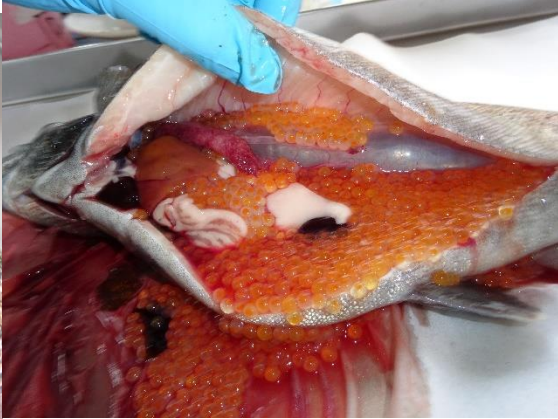
Fish Number		F1	F2	F3	F4	F5						
Time sampled after death (if > 45 minutes)					45	60						
External Signs												
Behaviour	Moribund	S	S	S	S	S						
	Lethargic	S	S	S	S	S						
	Hanging vertical											
	Spiralling											
	Flashing											
	Loss of equilibrium											
Body	Dark											
	Distended abdomen											
	Anorexic											
	Scale Oedema											
Opercula	Shortened											
	Flared											
Haemorrhaging	Throat											
	Ventrum											
	Base of fins											
	Elsewhere											
Eyes	Exophthalmic	W		S								
	Enophthalmic (sunken)											
	Cataract											
	Haemorrhagic											
Gills	Pale	W	S	M	S	M						
	Zoned											
	Necrotic											
Lesions	Flank											
	Elsewhere											
Vent	Inflamed											
	Trailing faeces											
Lice Load	Estimate numbers											
Internal Signs												
Ascites	Clear											
	Bloody		M			S						
Oedema	In tissues											
Heart	Pale/anaemic	M	M	M	M	M						
	Granulomas											
	Deformed											
Liver	Petechial haem											
	Gross haem											
	Tissue breakdown											
	Enlarged											
	Colour number(s)	2	2	2	1/8	5						
	Granulomas											
	Lesions											
Pyloric caeca	Petechial haem											
	Tubules mauve											
	Lack of fat	W	W	W	W	W						
Spleen	Enlarged											
	Granulomas											
Gut	No food present											
	Yellow pseudo-faeces											
	External haem											
	Internal haem											
Body wall	Haemorrhaging	W				W						
Swim bladder	Haemorrhaging											
	Fluid filled											
Kidney	Swollen											
	Grey											
	Granular											
	Liquefied											
General	Parasites present											
	Anaemia											



Additional comments:

F4 liver was very dark in colour with mottled yellow throughout.

















██████████  
Lake of Menteith Fisheries Ltd  
Gateside Cottage  
Port of Menteith  
Stirling  
FK8 3JZ  
██

## FISH HEALTH INSPECTORATE VISIT REPORT

### SUMMARY FOR INFORMATION OF SITE OPERATOR

<b>BUSINESS No</b>	FIB0394	<b>DATE OF VISIT</b>	02/03/2020
<b>SITE No</b>	FIS0502	<b>SITE NAME</b>	Lake of Menteith
<b>INSPECTOR</b>	██████████	<b>CASE No</b>	20200121

#### Section 1: Summary

The Fish Health Inspectorate responded to a report of increased mortalities at the Lake of Menteith fishery where five rainbow trout were removed from one of the two holding ponds on site for subsequent diagnostic sampling.

Histopathological examination revealed similar changes in all five fish, particularly in the liver, spleen and kidney with fish 4 showing the most severe lesions. The ovary section from the single section submitted contained only immature previtellogenic oocytes (eggs pre-yolk development). If the other fish had mature oocytes with no spawning, then atresia would overwhelm the ability of the fish to resorb the egg protein. This is supported by the histopathology. The information that the fish 'were maturing extremely early' and were 'full of eggs' also supports the histopathological findings.

These changes are not related to infectious disease but an abnormal physiological response resulting in the overproduction of protein (probably vitellogenin) which has resulted in severe renal dysfunction. Based on the history and clinical findings it would be worth considering any change in conditions that might have triggered hormonal dysfunction leading to abnormal gametogenesis.

*Flavobacterium psychrophilum*, the causative agent of rainbow trout fry syndrome (RTFS), was identified on plates taken from the spleen material of three fish. Two further isolates of *Flavobacterium* spp. were also identified. However, the level and purity of growth would not suggest them to be implicated in current fish 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.

R09

## Section 2: Case Detail

### Observations

The Fish Health Inspectorate received a phone call on Thursday 27<sup>th</sup> of February 2020 from the Lake of Menteith fishery regarding concerns about the rainbow trout they had received from a hatchery in Yorkshire in November 2019. For the previous 2-3 weeks, the fishery's manager had been observing 5-6 mortalities per day from one of the two holding ponds on site; an increase from zero since input. The pond contained around 8,000 mixed rainbow and blue trout, many of which were maturing early. Upon inspection, it was noted that there were several moribund fish and one mortality lying around the edges of the pond. Five moribund fish had been placed in a keep net overnight and these were humanely dispatched for subsequent diagnostic sampling.

Externally, all five fish had swollen abdomens and pale gills. Fish 3 also had exophthalmia.

Internally, all five fish contained mature eggs in the abdomen and undeveloped eggs in the ovary. All five fish lacked fat around the pyloric caeca but otherwise appeared healthy internally with the exception of fish 4 whose liver was dark in colour with mottled yellow blotches throughout.

### Samples

Samples were collected from five fish according to the table below:

Fish number	Pool number	Facility number	Species	Stage	Origin
F1-5	P1	Lower Pond Malling	Rainbow trout	450g	Costa Springs Hatchery Ltd

### Results

**Bacteriology:** Kidney and spleen material from five fish were inoculated onto appropriate media for the isolation of bacteria.

The following bacteria were isolated from fish 1-5:

- *Flavobacterium psychrophilum* : F2, F4 and F5 (spleen)
- *Flavobacterium* sp. (Isolate B): F2 and F5) (spleen)
- *Flavobacterium* sp. (Isolate C): F1, F2 and F3 (kidney)

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

The samples tested negative for infectious haematopoietic necrosis virus (IHNV), infectious pancreatic necrosis virus (IPNV), salmonid alphavirus (SAV) and viral hemorrhagic septicemia virus (VHSV).

**Parasitology:** Fins were collected to determine the presence of *Gyrodactylus salaris* using light microscopy and molecular techniques (PCR).

No *G. salaris* parasites were detected in the samples examined.

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

Histopathological examination revealed the following:

Kidney: extensive deposits of lipid-like inclusions intracellularly in the interstitial haematopoietic cells and more prominently in the renal tubule cells which accumulated large droplets, likely to be lipoprotein of some form (probably vitellogenin). In fish 4 in particular this was severe enough for total necrosis of tubules.

Liver: hepatocellular accumulation of similar haematoxylin and eosin (H&E) staining material was also a prominent feature which appeared similar to phospholipoidosis. This was associated with multifocal haemorrhaging (possibly just sinusoidal distension and congestion). Of significance, eosinophilic serous substance was prominent in blood vessels.

Spleen: changes included similar eosinophilic serous deposits in the reticuloendothelial cells.

Ovary: fish 1 showed some evidence of abnormal oogenesis but since ova were not vitellogenic it could not be confirmed that oocytic atresia had occurred.



Signed:

Date: 08/04/2020

Fish Health Inspector

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Marine Scotland website at [www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter](http://www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter)

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: 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:**

Site thermometer used due to biosecurity.

Kilcalmonell stocked likely July (approximatly 6 weeks)

Case No: **2020-0124** Site No: **FS0106**  
 Date of Visit: **09/03/2020** Inspector(s): **[REDACTED]**

**Registration/Authorisation Details**

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

**Site Details**

Total No facilities	<b>43</b>	Facilities stocked	<b>19</b>	No facilities inspected	<b>43</b>
Species	<b>SAL</b>	SAL			
Age group	<b>Alevins</b>	Fry			
No Fish	<b>682,990</b>	263,779			
Mean Fish Wt	<b>0.1g</b>	1.1g			
Next Fallow Date (Site)	<b>October 2020</b>		Next Input Date (Site)	<b>November/December 2020</b>	

Recent (last 4 wks) disease problems? **N** Any escapes (since last visit)? **N**  
 If yes, detail: **[REDACTED]**

**Movement Records**

- 1. Movement records available for inspection? **Y**
- 2. Date of last inspection: **17/09/2019**
- 3. Are records complete and correctly entered? **Y**
- 4. Are movement records available for dead fish and waste? **Y**
- 5. Are records complete and correctly entered? **Y**
- 6. Are health certificates for introductions (outwith GB) available? **N/A**

**Transport Records**

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

**Mortality Records**

- 1. Mortality records available for inspection? **Y**
- 2. How are mortalities disposed of? **Domestic waste - <25kg**
- If other detail: **[REDACTED]**
- 3. Mortality records complete and correctly entered? **Y**

wk10 between fry & alvins: 20-387 per tank per day; wk9 fry between 2-18 per day, ova between 12-60 per day, remaining unhatched ova discarded between 1365-2138 per tray; wk8 fry between 2-20 per day per tank, ova between 2-51 per tank per day; wk7 alvins moved to hatchery between 2-21 per day per tank

- 4. Recent mortality (last 4 wks): **[REDACTED]**
- 5. Evidence of recent increased/atypical mortalities? **Y**  
 If yes, facility nos/no mortality per facility/no stock per facility/reason: **slightly higher than anticipated mortality in second batch of ova (see above unhatched ova)**
- 6. Any other peaks in mortality during period checked? **N**  
 If yes, detail: **[REDACTED]**
- 7. Have increased (unexplained) mortalities been reported to vet or FHI? **N/A**  
 If yes, detail action: **[REDACTED]**
- 8. Have 'mortality events' been reported to FHI? If no, add MRT case and enter on mortality events sheet. **N/A**

1. Recent treatments (last 4 wks)?	<input type="checkbox"/>	Y
If yes, detail:	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"/>	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"/>	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:		

**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:



Case Number:	2020-0124	Site No:	FS0106	Insp:		
Date of Visit	09/03/2020	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	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>	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		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>		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				
	No	3				3
Platform access to cages	Yes	0				0
	No	2				
<b>Total Rank</b>					<b>23</b>	<b>MEDIUM</b>



Case No: **2020-0124**

Site No: **FS0106**

**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?  Y
2. Are measures in place to mitigate against the predation experienced on site? (Detail below)  Y  
 shade netting has been damaged by mink in the past but is repaired the next day, reinforced band has been put in place of  
 If other, detail below:  
 site inside, outside tanks have electric fencing, jump nets and shade netting
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



JS Salmon Ltd  
Allt Mhor Hatchery  
Clachan  
Tarbert  
PA29 6XL

## FISH HEALTH INSPECTORATE VISIT REPORT

### SUMMARY FOR INFORMATION OF SITE OPERATOR

<b>BUSINESS No</b>	FB0071	<b>DATE OF VISIT</b>	09/03/2020
<b>SITE No</b>	FS0106	<b>SITE NAME</b>	Allt Mhor
<b>INSPECTOR</b>	Svenja Elwenn	<b>CASE No</b>	20200124

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

The above site was inspected, in accordance with the Aquatic Animal Health (Scotland) Regulations 2009, and to meet the requirements of European Community Council Directive 2006/88/EC.

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.

R04

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 Scotland 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:

- The biosecurity measures plan must include details for the manner and period in which the business will notify Scottish Ministers or veterinary professionals of any increased (unexplained) mortality at the site.

These must be addressed to ensure the conditions of authorisation for your Aquaculture Production Business (APB) are being met. Records or documentation demonstrating that these points have been addressed should be sent to the Fish Health Inspectorate (contact details below) within 30 days of the date this report was issued.

#### **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 assistance or clarification in implementing any requirement or recommendation detailed in this report.

Signed:



Fish Health Inspector

Date: 19/03/2020

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Marine Scotland website at [www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter](http://www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter)

JS Salmon Ltd  
Allt Mhor Hatchery  
Clachan  
Tarbert  
PA29 6XL

## FISH HEALTH INSPECTORATE VISIT REPORT

### SUMMARY FOR INFORMATION OF SITE OPERATOR

<b>BUSINESS No</b>	FB0071	<b>DATE OF VISIT</b>	09/03/2020
<b>SITE No</b>	FS0106	<b>SITE NAME</b>	Allt Mhor
<b>INSPECTOR</b>		<b>CASE No</b>	20200124

#### Case completion report

Recommendations in relation to the above case were made for implementation by 20 April 2020. Following submission of the required documentation, evidence has now been provided to Marine Scotland 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:



Fish Health Inspector

Date: 02/04/2020

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Marine Scotland website at [www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter](http://www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter)

Case No: 2020-0125 Date of visit: 09/03/2020

Time spent on site: 2 hrs Main Inspector:

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

Case Types: 1 ECI 2 STS 3 4 5 6

Water Temp (°C): 6.9 Thermometer No: T148 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:

**Additional Case Information:**

All trestles inspected. Site clean with very little fouling. CGI stock on west side of the site look in good condition with just the odd empty shell per bag. CGI stock on other half of the site also clean but still to be graded. A few empty shells in some bags. These are from the stock that saw increased mortality September 2019. This was put down to *Vibrio* spp. These bags yet to be graded and empty shells removed as weather conditions have not been good January and February 2020. But mortalities have dropped since the increased mortalities in September to zero at present.

Native oysters on site also look to be in good condition. 150 native oysters were collected for statutory sampling for *Bonamia ostreae*. No empty shells spotted.



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**

Total No facilities	<input type="text" value="500"/>	Facilities stocked	<input type="text" value="500"/>	No facilities inspected	<input type="text" value="500"/>
Species	<input type="text" value="CGI"/>	<input type="text" value="OED"/>			
Age group	<input type="text" value="Mix"/>	<input type="text" value="2017"/>			
No Fish	<input type="text" value="~550000"/>	<input type="text" value="~1400"/>			
Mean Fish Wt	<input type="text" value="Mix"/>	<input type="text" value="20g"/>			
Next Fallow Date (Site)	<input type="text" value="no plans to fallow"/>		Next Input Date (Site)	<input type="text" value="unknown"/>	

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, add MRT case and enter on mortality events sheet.



1. Recent treatments (last 4 wks)?	<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"/>	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" value="Vibrio aestuarianus"/>	

Records checked between:

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	F6	F7	F8	F9	F10	F11	F12
Fish nos	1	2	3	4	5	6	7	8	9	10	11	12
Pool Group												
Species	OED	OED	OED	OED	OED	OED	OED	OED	OED	OED	OED	OED
Average weight	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020
Sex	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Water Type	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Stock Origin	Guernsey Sea Farms	Guernsey Sea Farms	Guernsey Sea Farms	Guernsey Sea Farms	Guernsey Sea Farms	Guernsey Sea Farms	Guernsey Sea Farms	Guernsey Sea Farms	Guernsey Sea Farms	Guernsey Sea Farms	Guernsey Sea Farms	Guernsey Sea Farms
Facility No												

03/2020 Additional Sample Information:

150 Total Tests assigned 3

F13	F14	F15	F16	F17	F18	F19	F20	F21	F22	F23	F24	F25	F26	F27	F28
13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
OED	OED	OED	OED	OED	OED	OED	OED	OED	OED	OED	OED	OED	OED	OED	OED
0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Guernsey Sea Farms	Guernsey Sea Farms	Guernsey Sea Farms	Guernsey Sea Farms	Guernsey Sea Farms	Guernsey Sea Farms	Guernsey Sea Farms	Guernsey Sea Farms	Guernsey Sea Farms	Guernsey Sea Farms	Guernsey Sea Farms	Guernsey Sea Farms	Guernsey Sea Farms	Guernsey Sea Farms	Guernsey Sea Farms	Guernsey Sea Farms

Case Number:	2020-0125	Site No:	SS0547
Date of Visit	09/03/2020	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
			0
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>			
33			
<b>HIGH</b>			



██████████  
Creran Oysters  
Failte  
Benderloch, by Connel  
Argyll  
PA37 1QU  
██████████

## FISH HEALTH INSPECTORATE VISIT REPORT

### SUMMARY FOR INFORMATION OF SITE OPERATOR

<b>BUSINESS No</b>	SB0358	<b>DATE OF VISIT</b>	09/03/2020
<b>SITE No</b>	SS0547	<b>SITE NAME</b>	South Ardnachlach Farm
<b>INSPECTOR</b>	██████████	<b>CASE No</b>	20200125

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

The above site was inspected, in accordance with the Aquatic Animal Health (Scotland) Regulations 2009, and to meet the requirements of European Community Council Directive 2006/88/EC.

All epidemiological units were inspected. The Inspector did not observe any clinical signs associated with the listed diseases as described in the Aquatic Animal Health (Scotland) Regulations 2009.

Statutory samples were collected to be screened for the presence of *Bonamia ostreae*. A separate report will be issued detailing the results of this test.

### 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.

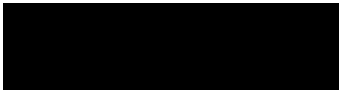
Mortality records were inspected and found to be adequately maintained.

Reports detailing the results of animal health surveillance carried out by or on behalf of the business and/or Marine Scotland were available for 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: 16/03/2020

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Marine Scotland website at [www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter](http://www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter)

██████████  
Creran Oysters  
Failte  
Benderloch, by Connel  
Argyll  
PA37 1QU  
██████████

## FISH HEALTH INSPECTORATE VISIT REPORT

### SUMMARY FOR INFORMATION OF SITE OPERATOR

<b>BUSINESS No</b>	SB0358	<b>DATE OF VISIT</b>	09/03/2020
<b>SITE No</b>	SS0547	<b>SITE NAME</b>	South Ardnaclach Farm
<b>INSPECTOR</b>	██████████	<b>CASE No</b>	20200125

#### Statutory test

South Ardnaclach Farm was inspected and a statutory sample conducted. One hundred and fifty native oysters (*Ostrea edulis*) were tested for the presence of *Bonamia ostreae* as part of the epidemiological investigation following confirmation of the parasite at another site within the area. The site is located within the protection zone and movement restrictions remain in place.

All epidemiological units were inspected. No clinical signs associated with *Bonamia ostreae* were observed.

#### Samples

A total of 150 native oysters (*Ostrea edulis*) were collected and tested for the presence of *Bonamia ostreae*.

#### Results

**Molecular genetics:** Tissue samples were tested for segments of DNA indicative of the presence of the *Bonamia* spp. using real-time PCR (QPCR). All samples returned negative for *Bonamia ostreae*.

**Histology:** Tissue samples of gill, mantle and digestive gland were taken from F1 - 150. The tissue samples were fixed in Davidson's fixative.

Histopathological examination revealed all oysters appeared to be within the normal range with no evidence of Bonamiosis.



## Appraisal

The site remains within the protection zone and covered by the restrictions put in place by confirmed designation notice CDN2020002. You must continue to apply for permission to move live or dead aquatic animals as listed on the notice, onto or off the site. Please submit applications to move restricted species two weeks prior to the proposed movement.

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: 22/04/2020

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Marine Scotland website at [www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter](http://www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter)

Case No: 2020-0126 Date of visit: 09/03/2020

Time spent on site: 2 hrs Main Inspector:

Site No: SS0453 Site Name: East Balvicar  
Business No: SB0463 Business Name: J MacGregor and Sons

Case Types: 1 ECI 2 3 4 5 6

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

Observations: Region: ST Water type: S 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:**

Movement records and BMP not available for inspection. Site operator states that there has been no movement since 2014 and going by the shellfish production survey there has been no production at the site for the last 5 years. Movement record book not found and new one to be issued.

Attempted to get out to site but bad weather forced us to turn boat around and head back. Drove around to good vantage point where the 2 lines in water could clearly be seen. No droppers attached to the lines so no stock currently on site.

Issue raised with BMP not being available at time of inspection. The BMP has since been submitted and site records section updated. [REDACTED] 29/04/2020

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**

Total No facilities	<input type="text" value="2"/>	Facilities stocked	<input type="text" value="0"/>	No facilities inspected	<input type="text" value="2"/>
Species	<input type="text" value="fallow"/>				
Age group					
No Fish					
Mean Fish Wt					
Next Fallow Date (Site)	<input type="text" value="n/a"/>	Next Input Date (Site)	<input type="text" value="natural spatfall"/>		

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, add MRT case and enter on mortality events sheet.

1. Recent treatments (last 4 wks)?	
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: 05/08/2015 - 09/03/2020

Case Number:	2020-0126	Site No:	SS0453
Date of Visit	09/03/2020	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
			0
Movements off	Frequency of movements off <u>within</u> MSS Management Areas	0	1
	Frequency of movements off <u>outwith</u> MSS Management Areas	0	3
	Number of destinations	0	3
			6
			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
			0
			0
			0
<b>Biosecurity</b>			
	Number of sites	1	2 or 3
			≥ 4
Contacts with other sites	Sites operating from single shorebase	0	1
	Sites sharing staff and equipment	0	1
		Yes	No
	Disinfection of equipment between sites, use of footbaths etc	0	2
			2
			0
			0
<b>Total Risk</b>			5
			<b>LOW</b>





██████████  
J MacGregor and Sons  
2 Seaview Terrace  
Easdale Island, Isle of Seil  
Oban, Argyll  
PA34 4RG  
████████████████████

## FISH HEALTH INSPECTORATE VISIT REPORT

### SUMMARY FOR INFORMATION OF SITE OPERATOR

<b>BUSINESS No</b>	SB0463	<b>DATE OF VISIT</b>	09/03/2020
<b>SITE No</b>	SS0453	<b>SITE NAME</b>	East Balvicar
<b>INSPECTOR</b>	██████████	<b>CASE No</b>	20200126

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

The above site was inspected, in accordance with the Aquatic Animal Health (Scotland) Regulations 2009, and to meet the requirements of European Community Council Directive 2006/88/EC.

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

#### Records

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

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

Aquaculture animal and aquaculture animal product movement records were not available for inspection.

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

- A new movement record book will be issued and should be maintained and available for future inspections.

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

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

The biosecurity measures plan for the site was not available for inspection.

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

- The site representative is reminded that the plan should contain the following information:
  - a) The manner and frequency in which mortalities will be removed, recorded and safely disposed of by the APB;
  - b) The manner and period in which the APB will notify the Scottish Ministers or a veterinary professional of any increased or unexplained mortalities in aquaculture animals held on each farm site;
  - c) The actions that will be taken by the APB in the event that the presence or suspicion of the presence of any listed disease is detected and how and when that will be notified to the Scottish Ministers;
  - d) The minimum health status of aquaculture animals to be stocked on the farm site, to ensure that stocks being placed on the farm site shall only be sourced from farms of an equal or higher health status and where required, certified as such;
  - e) The husbandry and bio-security measures to be implemented between epidemiological units on the farm to ensure the transmission of fish diseases by the movement of staff, visitors, equipment and live or dead fish is minimised; and
  - f) The measures that are in place at the farm site to maintain the physical containment of the aquaculture animals held on the farm site.

These must be addressed to ensure the conditions of authorisation for your Aquaculture Production Business (APB) are being met. Records or documentation demonstrating that these points have been addressed should be sent to the Fish Health Inspectorate (contact details below) within 30 days of the date this report was issued.

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: 17/03/2020

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Marine Scotland website at [www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter](http://www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter)

[REDACTED]  
J MacGregor and Sons  
2 Seaview Terrace  
Easdale Island, Isle of Seil  
Oban, Argyll  
PA34 4RG  
[REDACTED]

## FISH HEALTH INSPECTORATE VISIT REPORT

### SUMMARY FOR INFORMATION OF SITE OPERATOR

<b>BUSINESS No</b>	SB0463	<b>DATE OF VISIT</b>	09/03/2020
<b>SITE No</b>	SS0453	<b>SITE NAME</b>	East Balvicar
<b>INSPECTOR</b>	[REDACTED]	<b>CASE No</b>	20200126

#### Case completion report

Recommendations in relation to the above case were made for implementation by 1<sup>st</sup> May 2020. Following submission of the required documentation, evidence has now been provided to Marine Scotland 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: 29/04/2020

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Marine Scotland website at [www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter](http://www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter)

Case No: 2020-0127 Date of visit: 11/03/2020

Time spent on site: 3 hrs Main Inspector:

Site No: SS0359 Site Name: Sgeir Liath

Business No: SB0523 Business Name: Lochnell Oysters

Case Types: 1 ECI 2 3 4 5 6

Water Temp (°C): N/A Thermometer No: 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:

**Additional Case Information:**

Site almost completed switching from trestles with bags to hanging baskets.

Portion of youngest native oysters not performing well with rate of growth being slow. Quite a high percentage of native oysters received from Morecambe Bay actually turning out to be Pacific oysters. Grading has been slightly delayed due to recent weather events. Stock on site appeared in good condition with very little fouling.

Confirmed Designation Notice (No 002) 2020 currently on site due to listed disease *Bonamia ostreae* confirmed on site November 2019, restricting movement on and off 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**

Total No facilities	<input type="text" value="120"/>		Facilities stocked	<input type="text" value="80"/>		No facilities inspected	<input type="text" value="120"/>	
Species	<input type="text" value="OED"/>	<input type="text" value="OED"/>	<input type="text" value="OED"/>	<input type="text" value="OED"/>	<input type="text" value="CGI"/>	<input type="text" value="CGI"/>	<input type="text" value="MED"/>	
Age group	<input type="text" value="2015"/>	<input type="text" value="2017"/>	<input type="text" value="2018"/>	<input type="text" value="2019"/>	<input type="text" value="2015"/>	<input type="text" value="2017"/>	<input type="text" value="Juvenile"/>	
No Fish	<input type="text" value="900"/>	<input type="text" value="2,500"/>	<input type="text" value="2,400"/>	<input type="text" value="180,000"/>	<input type="text" value="6,500"/>	<input type="text" value="64,000"/>	<input type="text" value="400kg"/>	
Mean Fish Wt	<input type="text" value="Broodstock"/>	<input type="text" value="20g"/>	<input type="text" value="10g"/>	<input type="text" value="5g"/>	<input type="text" value="40-60g"/>	<input type="text" value="20g"/>	<input type="text" value="50mm"/>	
Next Fallow Date (Site)	<input type="text" value="N/A"/>			Next Input Date (Site)	<input type="text" value="Unknown"/>			

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, add MRT case and enter on mortality events sheet.

1. Recent treatments (last 4 wks)?	
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: 28/10/2019 - 11/03/2020



Case Number:	2020-0127	Site No:	SS0359		
Date of Visit	11/03/2020	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	25	
Susceptible to Marteilia refringens (OED, MED)		0	3	3	
Susceptible to OshV (CGI)		0	3	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	0
	Frequency of movements on from equivalent zone or compartment including third country	0	10	20	0
	Number of suppliers	0	5	10	0
Movements off	Frequency of movements off <u>within</u> MSS Management Areas	0	1	2	0
	Frequency of movements off <u>outwith</u> MSS Management Areas	0	3	6	0
	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	1
	Depuration of stock from other businesses sites within MSS management area	0	2	6	0
	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	0
	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>				34	
				<b>HIGH</b>	



Lochnell Oysters  
Glencoe Etive Park  
North Connel  
by Oban Argyll  
PA37 1SJ

## FISH HEALTH INSPECTORATE VISIT REPORT

### SUMMARY FOR INFORMATION OF SITE OPERATOR

<b>BUSINESS No</b>	SB0523	<b>DATE OF VISIT</b>	11/03/2020
<b>SITE No</b>	SS0359	<b>SITE NAME</b>	Sgeir Liath
<b>INSPECTOR</b>		<b>CASE No</b>	20200127

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

The above site was inspected, in accordance with the Aquatic Animal Health (Scotland) Regulations 2009, and to meet the requirements of European Community Council Directive 2006/88/EC.

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 Scotland since the last Marine Scotland Inspection.

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

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

Signed:

A black rectangular box redacting the signature of the Fish Health Inspector.

Date: 18/03/2020

Fish Health Inspector

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Marine Scotland website at [www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter](http://www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter)

Case No:	<input type="text" value="2020-0132"/>	Date of visit:	<input type="text" value="10/03/2020"/>			
Time spent on site:	<input type="text" value="5 hrs"/>	Main Inspector:	<input type="text" value=""/>			
Site No:	<input type="text" value="FS0426"/>	Site Name:	<input type="text" value="Loch Creran (B)"/>			
Business No:	<input type="text" value="FB0125"/>	Business Name:	<input type="text" value="Scottish Sea Farms Ltd"/>			
Case Types:	1 <input type="text" value="ECI"/>	2 <input type="text" value="CNI"/>	3 <input type="text" value="SLI"/>	4 <input type="text" value="VMD"/>	5 <input type="text" value=""/>	6 <input type="text" value=""/>
Water Temp (°C):	<input type="text" value="7"/>	Thermometer No:	<input type="text" value="T148"/>	FHI 045 completed	<input type="text" value=""/>	
Observations:	Region:	ST	Water type:	S	CoGP MA	M-36
Dead/weak/abnormally behaving fish present?	<input type="text" value="N"/>	If yes, see additional information/clinical score sheet.				
Clinical signs of disease observed?	<input type="text" value="N"/>	If yes, see additional information/clinical score sheet.				
Gross pathology observed?	<input type="text" value="N"/>	If yes, see additional information/clinical score sheet.				
Diagnostic samples taken?	<input type="text" value="N"/>					

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

**Additional Case Information:**

All pens inspected. Zero morts, moribund or lethargic fish spotted. Hard to see bulk of stock as they were remaining low in the water. Fish held in box nets for health and sea lice counts being carried out on the day appeared in very good condition with no damage noticed and 0 scores for gills and sea lice. No internal signs of diseases when sampling fish for VMD.

ADD's removed from water but site has access to them if need be.

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**

Total No facilities	<input type="text" value="14"/>	Facilities stocked	<input type="text" value="14"/>	No facilities inspected	<input type="text" value="14"/>
Species	<input type="text" value="SAL"/>	<input type="text" value="LUM"/>			
Age group	<input type="text" value="2019 Q4"/>	<input type="text" value="2020"/>			
No Fish	<input type="text" value="434,304"/>	<input type="text" value="30,000"/>			
Mean Fish Wt	<input type="text" value="412g"/>	<input type="text" value="27g"/>			
Next Fallow Date (Site)	<input type="text" value="March 2021"/>		Next Input Date (Site)	<input type="text" value="Jan 2023"/>	

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, add MRT case and enter on mortality events sheet.



1. Recent treatments (last 4 wks)?	<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)?	T.M.S., 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: 24/02/2016 - 10/03/2020

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 no's	1-2	3-4	5-6									
Pool Group												
Species	SAL	SAL	SAL									
Average weight	0.4120	0.4120	0.4120									
Sex	N/A	N/A	N/A									
Water Type	SW	SW	SW									
Stock Origin	Barcaldine Smolt Unit (FS1328)	Barcaldine Smolt Unit (FS1328)	Barcaldine Smolt Unit (FS1328)									
Facility No	5	7	13									



Case Number:	2020-0132	Site No:	FS0426	Insp:		
Date of Visit	10/03/2020	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	5
	Frequency of movements on from equivalent zone or compartment including third country	0	9	18	26	0
	Number of suppliers	0	5	10	14	5
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>	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		1
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>	1	2 or 3	≥ 4		
Contacts with other sites	Sites operating from single shore base	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>25</b>	<b>MEDIUM</b>

Case No: **2020-0132**

Site No: **FS0426**

**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)

**Sapphire Seal Pro Nets, Tensioned Nets, Top Nets, Lice Skirts.**

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: 2020-0132

Site No: FS0426

Date of Visit: 10/03/2020

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?



Site No: FS0426
Case No: 2020-0132
Nature of non-compliance:
Action taken (FHI):
Non-compliance relevant to (delete): VirologyMolGen/Bacteriology/Histology/Parasitology





██████████  
Scottish Sea Farms Ltd  
Laurel House  
Laurelhill Business Park  
Polmaise Road Stirling  
FK7 9JQ  
████████████████████

## FISH HEALTH INSPECTORATE VISIT REPORT

### SUMMARY FOR INFORMATION OF SITE OPERATOR

<b>BUSINESS No</b>	FB0125	<b>DATE OF VISIT</b>	10/03/2020
<b>SITE No</b>	FS0426	<b>SITE NAME</b>	Loch Creran (B)
<b>INSPECTOR</b>	██████████	<b>CASE No</b>	20200132

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

The above site was inspected, in accordance with the Aquatic Animal Health (Scotland) Regulations 2009, and to meet the requirements of European Community Council Directive 2006/88/EC.

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.

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 Scotland were available for inspection.

R25

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), 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: 13/03/2020

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Marine Scotland website at [www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter](http://www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter)

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 W-6

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:**

Thermolicer booked from December - bad weather meant site couldn't be treated until January so sea lice numbers increased rapidly

Lice were out of control so had to treat to get the lice numbers down. Some treatments had to be abandoned due to fish dying in the crowd/ bad weather.

Low levels of AGD were present. Freshwater treatment had helped with gills. Currently treating everything with freshwater as harvesting has been delayed. By Monday 30th March everything will have been fresh water treated, mortality has dropped right back down. Site manager believes physical treatments are to blame for increased mortality throughout march as hydrolicer was used.

Site manager raised concerns that high mortalities would occur when mechanically treating fish with PD , after post treatment mortality occurred only fresh water treatments were planned to reduce handling stress on fish.

Due to issues surrounding Covid-19 dates for fallowing and restocking are uncertain.

Mortality Event – reported – 06/03/2020 – Between – 24/02/2020-01/03/2020  
-Fish Size – 2.8kg (1.01% - 10336) - ~Freshwater treatments.

Mortality Event – Reported 12/03/2020 – Between – (02/03/2020-08/03/2020)  
2.8kg – 3.07% - 30703 – Treatment related mortality \* PD

Mortality Event - Reported 20/03/2020 – between (09/03/2020-15/03/2020)  
2.7kg – 1.4% PD and treatment related mortality. - 10901

Collected during inspection - Mortality between (16/03/2020-23/03/2020)  
2.7Kg - 5,462 -0.85%

Inspection conducted by [REDACTED]

Due to the Covid-19 outbreak a Passive surveillance inspection was conducted remotely instead of a site visit.

Case Number:	2020-0149	Site No:	FS1042	Insp:		
Date of Visit	27/03/2020	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	
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>	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		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>		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				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>	1	2 or 3	≥ 4		
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>15</b>	<b>LOW</b>



Case No:  Site No:

Date of case:  Inspector(s):

Business/site contacts correct? (if no update site summary sheet)  Y

**Site Details**

Total No facilities	<input type="text" value="16"/>	No facilities stocked	<input type="text" value="11"/>
Species	<input type="text" value="SAL"/>		
Age group	<input type="text" value="2019 Q2's"/>		
No Fish	<input type="text" value="505,183"/>		
Mean Fish Wt	<input type="text" value="2.7kg"/>		
Next Fallow Date (Site)	<input type="text" value="not known"/>	Next Input Date (Site)	<input type="text" value="not known"/>

Date of last inspection: (ECI or PSI)

Any recent increased or atypical mortalities? (last 4 weeks.)

If yes, detail:

e.g. site average, max per cage

Any increased mortalities? (since last inspection.)

If yes, detail:

How are mortalities disposed of?

If other detail:

Any treatments? (since last inspection)

If yes, detail:

Other:

Any disease on site? (since last inspection)

If yes, detail:

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

Any significant results?

If yes, detail

Is there a history of sea lice issues at the site in previous 4 years

If yes, detail:

Has site been able to keep lice levels below the recommended lice levels?

If no, detail:

Treatment discharge for sea lice in place?

If yes, detail:

Where sea lice treatments have been administered have they had an effect?

If no, detail:

Is a management area agreement in place?

Does your CoGP Farm management area fallow in synchrony?

Any reported escapes? (check prior to phone call)

Any escapes? (since last inspection)

If yes, detail:  
(include date)

Any significant changes to your biosecurity procedures since previous visit?

If yes, detail:



[REDACTED]  
Mowi Scotland Ltd  
Stob Ban House  
Glen Nevis Business Park  
Fort William  
PH33 6RX  
[REDACTED]

## FISH HEALTH INSPECTORATE VISIT REPORT

### SUMMARY FOR INFORMATION OF SITE OPERATOR

<b>BUSINESS No</b>	FB0119	<b>DATE OF CASE</b>	27/03/2020
<b>SITE No</b>	FS1042	<b>SITE NAME</b>	Seaforth
<b>INSPECTOR</b>	[REDACTED]	<b>CASE No</b>	20200149

#### Passive Surveillance Inspection

A notification of mortality levels above the reporting criteria was received by the Fish Health Inspectorate on for the period of 24/02/2020 to 15/03/2020.

Due to current government advice regarding the on-going situation with COVID-19 an inspection of the site could not be conducted. A passive surveillance inspection was conducted by telephone to gather information in accordance with the Aquatic Animal Health (Scotland) Regulations 2009, and to meet the requirements of European Community Council Directive 2006/88/EC. Information was also gathered in accordance with the Aquaculture and Fisheries (Scotland) Act 2007, as amended, with respect to section 3 regarding parasites (sea lice).

As of 23/03/2019 the mortality levels had dropped down below the reporting threshold on site and had continued to reduce the following week when the inspection was conducted.

The information required for the public record of aquaculture production businesses regarding this site was verified and where necessary updated.

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.

Mortality levels had exceeded the reporting criteria since the last inspection and had been reported to the Fish Health Inspectorate as 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: 14/04/2020

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Marine Scotland website at [www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter](http://www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter)