

Case No: 2019-0073 Date of visit: 21/02/2019

Time spent on site: 4 hours Main Inspector:

Site No: FS0742 Site Name: Glenfinnan
Business No: FB0119 Business Name: Mowi Scotland Ltd

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

Water Temp (°C): 6.3 Thermometer No: Site FHI 045 completed

Observations: Region: HI Water type: F CoGP MA

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

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

Case No: **2019-0073** Site No: **FS0742**
 Date of Visit: **21/02/2019** Inspector(s): **[REDACTED]**

Registration/Authorisation Details

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

Site Details

Total No facilities	32	Facilities stocked	12	No facilities inspected	32
Species	sal				
Age group	2019 Q2's				
No Fish	945,025				
Mean Fish Wt	74.72g				
Next Fallow Date (Site)	20th of April	Next Input Date (Site)	Jun-19		

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

Movement Records

1. Movement records available for inspection? **Y**
 2. Date of last inspection: **20/08/2018**
 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)? **N**
 If yes, is there a system in place for maintenance of transportation records? **[REDACTED]**

Mortality Records

1. Mortality records available for inspection? **Y**
 2. How are mortalities disposed of? **Ensiled - on site**
 If other detail: **Ferguson tankers removed ensiled waste from site.**
 3. Mortality records complete and correctly entered? **Y**
 4. Recent mortality (last 4 wks): **461/site**
 5. Evidence of recent increased/atypical mortalities? **N**
 If yes, facility nos/no mortality per facility/no stock per facility/reason: **[REDACTED]**

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

Biosecurity Records

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

Results of Surveillance

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

Records checked between: 20/8/19 - 21/2/19

Additional Case Information:

Site Manager not present for inspection. Assistant site manager facilitated the inspection.

Some records not entered onto carbon copy. Photocopy of missed records taken and included with carbon copy sheets.

Only one set of steel cages currently stocked with fish. The set of cages at the east end of the loch formally known as Salmon bay have no fish stocked currently.

In Health Surveillance carried out on the 5th of February the company vet reported the morts as being low however during necropsy of 12 fish 8/12 showed clinical signs of HSS (petechiae in visceral fat in muscle). Routine surveillance was continued and it was recommended to continue with HSS signs surveillance.

Paperwork, Sampling and inspection completed by [REDACTED] supervised by [REDACTED]

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	1-21	22-46	47-66	67-86								
Pool Group												
Species	SAL	SAL	SAL	SAL								
Average weight	0.0750	0.0750	0.0750	0.0750								
Sex	N/A	N/A	N/A	N/A								
Water Type	FW	FW	FW	FW								
Stock Details	Stock Origin	Lochallort Recirculation Hatchery	Lochallort Recirculation Hatchery	Lochallort Recirculation Hatchery	Lochallort Recirculation Hatchery							
	Facility No	26	25	23	29							

Case Number:	2019-0073	Site No:	FS0742	Insp:		
Date of Visit	21/02/2019	No of movements/supp./dest.			Score	
Live fish movements		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	6
Exposure via water	Site contacts	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		
Management practices		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				0
	Processing fish from MS of equivalent status	2				0
	Processing fish from zone or compartment of equivalent status	4				0
	Processing fish from Category III farm	8				0
	Processing fish from Category V farm	10				0
Disposal of fish and fish by-products	Site's own waste only processed.	0				0
	Common processes with other farms	3				0
	Collection point for waste from other farms	5				0
Use of unpasteurised feeds	No feeding of unpasteurised feed	0				0
	Feeding unpasteurised feed	5				0
Biosecurity	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	2		0
Disinfection of equipment between sites, use of footbaths etc	Yes	0				0
	No	1				0
CoGP/Regulator						
Practices in accordance with regulator or industry code of practice	Yes	0				0
	No	3				
Platform access to cages	Yes	0				0
	No	2				
Total Rank					17	MEDIUM

Case No: **2019-0073**

Site No: **FS0742**

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 during the period that records are inspected?
If yes, have these been reported to the Fish Health Inspectorate? If no, FHI see comment.
9. Is *C. elongatus* infestation at a level which is considered to cause significant welfare problems? (CoGP 4.3.81, 5.3.50)
10. Have therapeutic treatments been administered or other actions taken when *L. salmonis* levels have exceeded the suggested criteria for treatment or where *C. elongatus* is considered to have welfare implications? (CoGP 4.3.82, 5.3.51)
11. Has any other action been taken (where applicable)?
12. Have therapeutic treatments or the actions taken had a significant impact upon the lice levels recorded?
13. Are treatments, where conducted, carried out in cooperation between participating farms?
14. Is there a harvesting strategy for the site, where fewer populations or part populations are held without treatment for sea lice?
15. Is there a site specific written lice management procedure with waypoints describing set actions to deal with recognised scenarios during the escalation of a sea lice infestation?
16. Do the sea lice levels observed on stocks reflect sea lice count data? If no please detail reasons.

Containment Inspection

1. Has the site experienced equipment damage due to predators in the current or previous production cycles? N
2. Are measures in place to mitigate against the predation experienced on site? (Detail below) Y

Tops nets Electric bird nets

If other, detail below:

Rentokil for vermin control

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

Site No: FS0742
Case No: 2019-0073
Nature of non-compliance:
Action taken (FHI):
Non-compliance relevant to (delete): VirologyMolGen/Bacteriology/Histology/Parasitology



██████████
Mowi Scotland Ltd
Stob Ban House
Glen Nevis Business Park
Fort William
PH33 6RX
██████████

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS No	FB0119	DATE OF VISIT	21/02/2019
SITE No	FS0742	SITE NAME	Glenfinnan
INSPECTOR	██	CASE No	20190073

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.

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.

R04

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 2013

Medicine records were inspected and found to be adequately maintained.

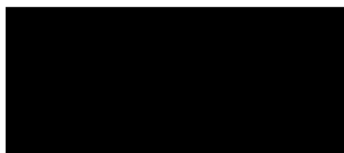
Samples were taken to be analysed for veterinary residues.

Inspection under the Aquaculture and Fisheries (Scotland) Act 2007

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

On this occasion the site was found to be satisfactory.

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



Signed:

Date: 27/02/2019

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

Case No:	2019-0074		Date of visit:	20/02/2019	
Time spent on site:	6 hrs		Main Inspector:	[REDACTED]	
Site No:	FS0800	Site Name:	Leinish		
Business No:	FB0440	Business Name:	Grieg Seafood Shetland Ltd		
Case Types:	1 REG	2	3	4	5
Water Temp (°C):		Thermometer No:		FHI 045 completed	
Observations:	Region:	HI	Water type:	S	CoGP MA M-25
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:					
Could not get out to site due to bad weather/broken boats					

Case No: **2019-0074** Site No: **FS0800**
 Date of Visit: **20/02/2019** Inspector(s): **[REDACTED]**

Registration/Authorisation Details

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

Site Details

Total No facilities	10	Facilities stocked	10	No facilities inspected	0
Species	sal				
Age group	17 S0's				
No Fish	289,116				
Mean Fish Wt	4 kilos				
Next Fallow Date (Site)	may 19	Next Input Date (Site)	sep/oct 19		

Recent (last 4 wks) disease problems? **Y** Any escapes (since last visit)? **Y**
 If yes, detail: **AGD.**

Movement Records

1. Movement records available for inspection? **Y**
 2. Date of last inspection: **29/05/2018**
 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)? **N**
 If yes, is there a system in place for maintenance of transportation records? **[REDACTED]**

Mortality Records

1. Mortality records available for inspection? **Y**
 2. How are mortalities disposed of? **Other (detail)**
 If other detail: **Whole fish, biogas bin group**
 3. Mortality records complete and correctly entered? **Y**
 4. Recent mortality (last 4 wks): **wk4-0.33%wk5-0.13% wk6-0.23% wk7 - 0.52%**
 5. Evidence of recent increased/atypical mortalities? **N**
 If yes, facility nos/no mortality per facility/no stock per facility/reason: **[REDACTED]**

6. Any other peaks in mortality during period checked? **Y**
 If yes, detail: **see additional comments**
 7. Have increased (unexplained) mortalities been reported to vet or FHI? **Y**
 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**

1. Recent treatments (last 4 wks)?	<input type="checkbox"/>	Y
If yes, detail:	T.M.S., Salmosan	
If other, detail:	optilicer	
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., Salmosan	
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"/>	
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).	29/05/18 - 20/2/19	
Complex gill disease, some sea lice damage, Chronic AGD.		

Records checked between: 29/05/18-20/2/19

Additional Case Information:

Due to the extremely poor weather on the day of inspection and consequently the day after, the inspection of cages was not carried out.

Monday the 18th Feb count - total avg females for site 3.19 - not reported yet.

Site manager told us about a previous escape where a pipe on the well boat had burst during fish movements spilling fish out into the sea. This had be reported to the FHI and steps had been taken to prevent this happening in the future. The site made efforts to recapture the fish in collaboration with the local DSFB, using gill nets around the cages and near river mouths.

week 45- 3.06% 11828 -

week 46 - 1.01 % 3782 -

Spike in mortalities was recorded during week 45 and week 46 in 2018. These spikes were not reported to the FHI. After speaking to the production manager he reported that the mortality was attributed to two treatments in two pens. The optilicer was being trialled in pen 1 and a salmosan treatment took place in pen 3. Both of these treatments resulted in an increase in mortality.

Paper work completed by [REDACTED] supervised by [REDACTED]

Case Number:	2019-0074	Site No:	FS0800	Insp:	
Date of Visit	20/02/2019	No of movements/supp./dest.			Score
Live fish movements		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
	Frequency of movements on from equivalent zone or compartment including third country	0	9	18	26
	Number of suppliers	0	5	10	14
Movements off	Frequency of movements off	0	3	6	10
	Number of destinations	0	3	6	10
Exposure via water	Site contacts	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	
Management practices		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			0
Use of unpasteurised feeds	No feeding of unpasteurised feed	0			
	Feeding unpasteurised feed	5			
Biosecurity	Number of sites	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			
CoGP/Regulator					
Practices in accordance with regulator or industry code of practice	Yes	0			0
	No	3			
Platform access to cages	Yes	0			0
	No	2			
Total Rank					19 MEDIUM

Case No: **2019-0074**

Site No: **FS0800**

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 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)

ADD	Top nets	Seal Screen	MML

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

Gill nets

- 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: 2019-0074

Site No: FS0800

Date of Visit: 20/02/2019

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?

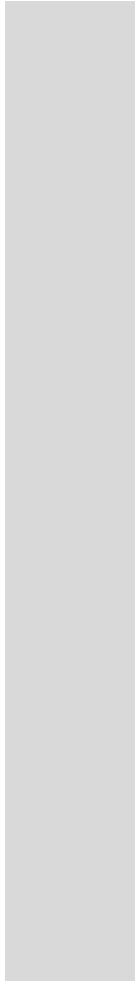
Point of Compliance for Farm Management Agreements Only

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?



[REDACTED]
Grieg Seafood Shetland Ltd
Gremista
Lerwick
Shetland
ZE1 OPX
[REDACTED]

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS No	FB0440	DATE OF VISIT	20/02/2019
SITE No	FS0800	SITE NAME	Leinish
INSPECTOR	[REDACTED]	CASE No	20190074

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 inspection could not be conducted as adverse weather conditions prevented access to the pens.

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 not been reported to the Fish Health Inspectorate. I would like to remind you of the industry agreement in relation to mortality reporting as detailed in A Code of Good Practice for Scottish Finfish Aquaculture.

R25

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.

Inspection under the Animals and Animal Products (Examination for Residues and Maximum Residue Limits) (England and Scotland) Regulations 2013

Medicine records were inspected and found to be adequately maintained.

Inspection under the Aquaculture and Fisheries (Scotland) Act 2007

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

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

On this occasion the site was not accessible due to adverse weather conditions so the measures in place for the control of parasites and containment of stock could not be assessed.

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



Signed:

Date: 05/03/2019

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

Case No:	2019-0075		Date of visit:	20/02/2019	
Time spent on site:	6 hours		Main Inspector:		
Site No:	FS1175	Site Name:	Gob na Hoe		
Business No:	FB0440	Business Name:	Grieg Seafood Shetland Ltd		
Case Types:	1 REG	2	3	4	5
Water Temp (°C):		Thermometer No:		FHI 045 completed	
Observations:	Region:	HI	Water type:	S	CoGP MA M-25
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:					
Unable to carry out site inspection due to poor weather conditions					

Case No: **2019-0075** Site No: **FS1175**
 Date of Visit: **20/02/2019** Inspector(s): **[REDACTED]**

Registration/Authorisation Details

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

Site Details

Total No facilities	7	Facilities stocked	6	No facilities inspected	0
Species	sal				
Age group	17 S0's				
No Fish	233,986				
Mean Fish Wt	4.7kilo				
Next Fallow Date (Site)	Apr-19	Next Input Date (Site)	sept 2019		

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

Movement Records

1. Movement records available for inspection? **Y**
 2. Date of last inspection: **16/05/2017**
 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)? **N**
 If yes, is there a system in place for maintenance of transportation records? **[REDACTED]**

Mortality Records

1. Mortality records available for inspection? **Y**
 2. How are mortalities disposed of? **Other (detail)**
 If other detail: **Whole fish - Biogas bin group**
 3. Mortality records complete and correctly entered? **Y**
 4. Recent mortality (last 4 wks): **wk4-0.60% wk5-0.19% wk6-0.36% wk7 -0.25%**
 5. Evidence of recent increased/atypical mortalities? **N**
 If yes, facility nos/no mortality per facility/no stock per facility/reason: **[REDACTED]**

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

Biosecurity Records

1. Biosecurity records available for inspection?	<input type="checkbox"/>	Y
2. Has the manner and frequency of mortality removal, recording and safe disposal been considered?	<input type="checkbox"/>	Y
3. Has the manner and period in which the APB will notify Scottish Ministers or veterinary professional of any increased (unexplained) 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 how and when 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"/>	
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).	Chronic AGD and PGD	
Combined with lice burden - freshwater treatment advised costia infection present.		

Records checked between: 16/05/2017 - 20/02/19

Additional Case Information:

There have been issues with AGD on the site, but the site manager indicated that this was pen specific, and seemed to be localised to pen 4. The health surveillance carried out by vets corroborated this information.

The fish have also been treated with salmosan to help with ongoing lice issues. Despite ongoing health issues morts have been quite low.

There were a gap in the lice count data for week 7 in 2019, the reason being that poor weather conditions prevented the lice counts from taking place that week. The counts for week 8 had not been entered into fish talk at the time of inspection.

Due to adverse weather conditions the cages could not be inspected at the time of visit. Another visit has been arranged for the following month.

Paperwork completed by [REDACTED] supervised by [REDACTED]

Case Number:	2019-0075	Site No:	FS1175	Insp:	
Date of Visit	20/02/2019	No of movements/supp./dest.			Score
Live fish movements		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
	Frequency of movements on from equivalent zone or compartment including third country	0	9	18	26
	Number of suppliers	0	5	10	14
Movements off	Frequency of movements off	0	3	6	10
	Number of destinations	0	3	6	10
Exposure via water	Site contacts	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	
Management practices		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			
Biosecurity	Number of sites	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			
CoGP/Regulator					
Practices in accordance with regulator or industry code of practice	Yes	0			0
	No	3			
Platform access to cages	Yes	0			0
	No	2			
Total Rank					20 MEDIUM

Case No: **2019-0075**

Site No: **FS1175**

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 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)

ADD Seal Blinds Top nets Mort Cone in place

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: 2019-0075

Site No: FS1175

Date of Visit: 20/02/2019

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?

██████████
Grieg Seafood Shetland Ltd
Gremista
Lerwick
Shetland
ZE1 OPX
████████████████████

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS No	FB0440	DATE OF VISIT	20/02/2019
SITE No	FS1175	SITE NAME	Gob na Hoe
INSPECTOR	████████████████████	CASE No	20190075

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 inspection could not be conducted as adverse weather conditions prevented access to the pens.

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.

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.

Inspection under the Animals and Animal Products (Examination for Residues and Maximum Residue Limits) (England and Scotland) Regulations 2013

Medicine records were inspected and found to be adequately maintained.

Inspection under the Aquaculture and Fisheries (Scotland) Act 2007

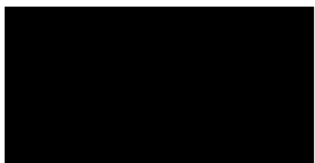
The site was also inspected in accordance with the Aquaculture and Fisheries (Scotland) Act 2007, as amended, with respect to section 3 regarding parasites (sea lice), section 4A regarding fish farm management agreements and.

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

On this occasion the site was not accessible due to adverse weather conditions so the measures in place for the control of parasites and containment of stock could not be assessed.

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

Signed:



Fish Health Inspector

Date: 5/02/2019

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

Case No:	<input type="text" value="2019-0077"/>	Date of visit:	<input type="text" value="18/02/2019"/>			
Time spent on site:	<input type="text" value="2 hrs"/>	Main Inspector:	<input type="text" value=""/>			
Site No:	<input type="text" value="SS0233"/>	Site Name:	<input type="text" value="Site 1 (north)"/>			
Business No:	<input type="text" value="SB0155"/>	Business Name:	<input type="text" value="Loch Eishort Mussel Centre"/>			
Case Types:	1 <input type="text" value="ECI"/>	2 <input type="text" value=""/>	3 <input type="text" value=""/>	4 <input type="text" value=""/>	5 <input type="text" value=""/>	6 <input type="text" value=""/>
Water Temp (°C):	<input type="text" value="8"/>	Thermometer No:	<input type="text" value="Site"/>	FHI 045 completed	<input type="text" value=""/>	
Observations:	Region:	HI	Water type:	S	CoGP MA	
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:

Case No: **2019-0077** Site No: **SS0233**
 Date of Visit: **18/02/2019** Inspector(s): **[REDACTED]**

Registration/Authorisation Details

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

Site Details

Total No facilities	11	Facilities stocked	1	No facilities inspected	1
Species	MED				
Age group	Adult				
No Fish	Not Known				
Mean Fish Wt	ADU				
Next Fallow Date (Site)	Feb 19	Next Input Date (Site)	natural settlement.		

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

Movement Records

1. Movement records available for inspection? **Y**
 2. Date of last inspection: **22/03/2018**
 3. Are records complete and correctly entered? **Y**
 4. Are movement records available for dead fish and waste? **N/A**
 5. Are records complete and correctly entered? **N/A**
 6. Are health certificates for introductions (outwith GB) available? **N/A**

Transport Records

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

Mortality Records

1. Mortality records available for inspection? **N/A**
 2. How are mortalities disposed of? **Other (detail)**
 If other detail: **empty shells to seabed,**
 3. Mortality records complete and correctly entered? **N/A**
 4. Recent mortality (last 4 wks): **No observed mortality**
 5. Evidence of recent increased/atypical mortalities? **N/A**
 If yes, facility nos/no mortality per facility/no stock per facility/reason: **[REDACTED]**

6. Any other peaks in mortality during period checked? **N/A**
 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)?	
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: 22/3/18-18/2/19

Additional Case Information:

On the day of Inspection there was only 1 line remaining with mussels on it. Harvesting of this last line was in progress and would take approximately 1-2 more days to complete before site was in fallow. Lines were being redeployed to collect wild spat for the following 2 years. 2020 and 2021. Due to an extended period of illness the site manager has no stock for harvesting for the rest of 2019.

Paperwork and inspection carried out by [REDACTED] and supervised by [REDACTED]

Case Number:	2019-0077	Site No:	SS0233
Date of Visit	18/02/2019	Inspector:	
Number of Susceptible species on site			
If no susceptible species present = LOW 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
Sites within a tidal excursion			
		1	2-5
			>6
Site contacts	Number of sites holding susceptible species within a tidal excursion	0	2
			10
			0
Live shellfish movements			
		0	1-2
			>3
Movements on	Frequency of movements on from equivalent MS	0	5
	Frequency of movements on from equivalent zone or compartment including third country	0	10
	Number of suppliers	0	5
			10
			0
Movements off	Frequency of movements off <u>within</u> MSS Management Areas	0	1
	Frequency of movements off <u>outwith</u> MSS Management Areas	0	3
	Number of destinations	0	3
			6
			6
			0
Management practices			
		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
Biosecurity			
	Number of sites	1	2 or 3
			≥ 4
Contacts with other sites	Sites operating from single shorebase	0	1
	Sites sharing staff and equipment	0	1
		Yes	No
	Disinfection of equipment between sites, use of footbaths etc	0	2
			0
			0
Total Risk			9
Total Risk			LOW

Loch Eishort Mussel Centre
9 Drumfearn
Sleat
Isle of Skye
IV43 8QZ

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS No	SB0155	DATE OF VISIT	18/02/2019
SITE No	SS0233	SITE NAME	Site 1 (north)
INSPECTOR		CASE No	20190077

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 inspected and appeared to be adequately maintained.

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 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:

Date: 27/02/2019

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

Case No: Date of visit:

Time spent on site: Main Inspector:

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

Case Types: 1 2 3 4 5 6

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

Observations: Region: HI Water type: S CoGP MA

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

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

Additional Case Information:

Case Number:	2019-0082	Site No:	SS0881		
Date of Visit	14/02/2019	Inspector:			
Number of Susceptible species on site					
If no susceptible species present = LOW 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	3	
	Susceptible to OshV (CGI)	0	3		
Sites within a tidal excursion					
		1	2-5	>6	
Site contacts	Number of sites holding susceptible species within a tidal excursion	0	2	10	0
Live shellfish movements					
		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
Management practices					
		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
Biosecurity					
	Number of sites	1	2 or 3	≥ 4	
Contacts with other sites	Sites operating from single shorebase	0	1	2	2
	Sites sharing staff and equipment	0	1	5	5
			Yes	No	
	Disinfection of equipment between sites, use of footbaths etc		0	2	0
				Total Risk	10

Case No: 2019-0082

Site No: SS0881

Date of case: 14/02/2019

Inspector(s):

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

Site Details

Total No facilities:	7	No facilities stocked:	4
Species	MED		
Age group	2016		
No shellfish	4 longlines		
Mean fish Wt	20g		
Next fallow date (site)	No plans	Next input date (site)	Summer 2019

Date of last inspection: (ECI or PSI): 05/10/2016

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

If yes, detail:
e.g. site average, max per facility

Any increased mortalities? (since last inspection) N

If yes, detail:

How are mortalities disposed of? Other (detail)

If other detail: No mortality on site.

Are there any diseases on your site? N

If yes, detail:

Have you experienced predation on site? Y

If yes, detail: Eider ducks, starfish and crabs

Has the site experienced increased or abnormal fouling? N

If yes, detail:

Have you observed any invasive species on your site? Y

If yes, detail: Japanese skeleton shrimp in recent years

Do you have an up to date BMP, and are there any issues? N

If yes, detail:

What quantity of spat fall have you had in the last 12 months? (mussel sites only):

Good

Loch Laxford Shellfish Ltd.
Foindle
By Lairg
Sutherland
IV27 4SU

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS No	SB0309	DATE OF CASE	14/02/2019
SITE No	SS0881	SITE NAME	Loch Glencoul
INSPECTOR		CASE No	20190082

Routine surveillance frequency assessment under the Aquatic Animal Health (Scotland) Regulations 2009

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

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.

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: 14/02/2019

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

Case No:	<input type="text" value="2019-0097"/>	Date of visit:	<input type="text" value="20/02/2019"/>			
Time spent on site:	<input type="text" value="2 hours"/>	Main Inspector:	<input type="text" value=""/>			
Site No:	<input type="text" value="FS0062"/>	Site Name:	<input type="text" value="Duartmore Hatchery"/>			
Business No:	<input type="text" value="FB0398"/>	Business Name:	<input type="text" value="Loch Duart Ltd"/>			
Case Types:	1 <input type="text" value="REP"/>	2 <input type="text" value="ECI"/>	3 <input type="text" value="CNI"/>	4 <input type="text" value="UNI"/>	5 <input type="text" value=""/>	6 <input type="text" value=""/>
Water Temp (°C):	<input type="text" value="8.1"/>	Thermometer No:	<input type="text" value="T148"/>	FHI 045 completed	<input type="text" value=""/>	
Observations:	Region:	HI	Water type:	F	CoGP MA	
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:

Site inspected following receipt by APHA of a non site-specific welfare complaint regarding Loch Duart. Accompanied APHA vets on visit.

Ova are stripped at Geisgeil Tank Site and transferred to Ormsary Hatchery for fertilisation and incubation. Ova are brought back to Duartmore Hatchery for hatching. Site grows fish to 5g and then transferred to Duartmore for ongrowing.

Very few treatments administered per cycle - a couple of treatments with formalin for Costia, but looking at using artificial seawater for this in future.

Mortalities are transferred to Badcall office for uplift to Gray Composting.

Mortality of 18% in 2017/2018 crop of ova due to issues incubating ova from point of fertilisation in comp-hatch system. Have decided to incubated eyed ova only in the future and no issues with 2018/2019 crop to date.

Site is going to be refurbished after the current crop are transferred to Duartmore and will be fallow until February 2021.

Landcatch will contract the grow the ova during the refurbishment. The outside tanks which will be replaced and the hatchery building will be extended to cover them.

Case No: **2019-0097** Site No: **FS0062**
 Date of Visit: **20/02/2019** Inspector(s): **[Redacted]**

Registration/Authorisation Details

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

Site Details

	18 tanks + hatchery	Facilities stocked	Hatchery	No facilities inspected	18 tanks + hatchery
Total No facilities					
Species	SAL				
Age group	OVA				
No Fish	646,000				
Mean Fish Wt	N/A				
Next Fallow Date (Site)	June/July 2019	Next Input Date (Site)		February 2019	

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: **05/12/2016**
- 3. Are records complete and correctly entered? **Y**
- 4. Are movement records available for dead fish and waste? **Y**
- 5. Are records complete and correctly entered? **Y**
- 6. Are health certificates for introductions (outwith GB) available? **N/A**

Transport Records

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

Mortality Records

- 1. Mortality records available for inspection? **Y**
- 2. How are mortalities disposed of? **Other (detail)**
 If other detail: **whole fish to Gray Composting, uplifted from Badcall office**
- 3. Mortality records complete and correctly entered? **Y**
- 4. Recent mortality (last 4 wks): **~100-200 per week**
- 5. Evidence of recent increased/atypical mortalities? **N**
 If yes, facility nos/no mortality per facility/no stock per facility/reason: **[Redacted]**
- 6. Any other peaks in mortality during period checked? **Y**
 If yes, detail: **18% of ova in 2017/2018 year class over period of four months. Issues using comp-hatch system**
- 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"/>	N
If yes, detail:	<input type="text"/>	
If other, detail:	<input type="text"/>	
2. Medicines records available for inspection?	<input type="checkbox"/>	Y
3. Are records complete and correctly entered?	<input type="checkbox"/>	Y
4. Are fish in a withdrawal period?	<input type="checkbox"/>	N
5. If yes, what treatment(s)?	<input type="text"/>	
If other, detail:	<input type="text"/>	
6. Are medicines stored appropriately?	<input type="checkbox"/>	Y

Biosecurity Records

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

Results of Surveillance

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

Records checked between:

Case Number:	2019-0097	Site No:	FS0062	Insp:		
Date of Visit	20/02/2019	No of movements/supp./dest.			Score	
Live fish movements		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	6
	Number of destinations	0	3	6	10	3
Exposure via water	Site contacts	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				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		0
	Farm is on-line or in a coastal zone with category V farms upstream or within 1 tidal excursion	1	4	8		0
Management practices		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				0
	Processing fish from MS of equivalent status	2				0
	Processing fish from zone or compartment of equivalent status	4				0
	Processing fish from Category III farm	8				0
	Processing fish from Category V farm	10				0
Disposal of fish and fish by-products	Site's own waste only processed.	0				0
	Common processes with other farms	3				3
	Collection point for waste from other farms	5				0
Use of unpasteurised feeds	No feeding of unpasteurised feed	0				0
	Feeding unpasteurised feed	5				0
Biosecurity	Number of sites	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				0
CoGP/Regulator						
Practices in accordance with regulator or industry code of practice	Yes	0				0
	No	3				0
Platform access to cages	Yes	0				0
	No	2				0
Total Rank					15	LOW

Case No: **2019-0097**

Site No: **FS0062**

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 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)

Tanks covered site inside

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)

Loch Duart Ltd
Badcall Salmon House
Scourie, Lairg
Sutherland
IV27 4TH

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS No	FB0398	DATE OF VISIT	20/02/2019
SITE No	FS0062	SITE NAME	Duartmore Hatchery
INSPECTOR		CASE No	20190097

Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

The above site was inspected without prior notification in conjunction with veterinary officers from the Animal and Plant Health Agency following a report of a potential welfare issue by a member of the public at an unspecified site operated by Loch Duart Ltd.

The inspection was carried out 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 third year. The category of the site will be reassessed on a routine basis and updated as required.

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

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

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

R04

Mortality records were inspected and found to be adequately maintained.

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

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

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

Inspection under the Animals and Animal Products (Examination for Residues and Maximum Residue Limits) (England and Scotland) Regulations 2013

Medicine records were inspected and found to be adequately maintained.

Inspection under the Aquaculture and Fisheries (Scotland) Act 2007

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

On this occasion the site was found to be satisfactory.

A separate report will be issued by the Animal and Plant Health Agency.

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

Signed:



Date: 25/02/2019

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

Case No: 2019-0098 Date of visit: 20/02/2019

Time spent on site: 2.5 Main Inspector:

Site No: FS0065 Site Name: Loch Laxford
Business No: FB0398 Business Name: Loch Duart Ltd

Case Types: 1 REP 2 UNI 3 4 5 6

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

Observations: Region: HI Water type: S CoGP MA M-3

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 inspected following receipt by APHA of a non site-specific welfare complaint regarding Loch Duart. Accompanied APHA vets on visit.

Currently harvesting by dead haul using the Viking Junior.

Lice levels are very low on the site as the wrasse have been working very well. Wrasse are wild caught and only use ballan above a minimum size. Stock wrasse numbers at 0.5% of salmon numbers. Wrasse are removed at the end of the cycle using creels or during transfer of the salmon onto the wellboat. They are held on the site for a couple of months and disease screening tests are carried out. The wrasse are then transferred to another sea site as the origin sea site is left fallow for approx. 4-5 months before restocking. Ballan are reused until they reach a maximum size.

As wrasse have been working well at keeping sea lice numbers low, only treatment on site over production cycle has been freshwater following the gill issues.

Mortality event occurred on site in September 2018 due to plankton, low oxygen and gill issues. Mortality levels elevated above reporting level through until December 2018, but are now low. Company have over-estimated mortality numbers during the peak of the event as an additional 5,300 fish have been harvested so far.

Fish appeared to be in good condition and no moribund fish observed.

Case No: **2019-0098** Site No: **FS0065**
 Date of Visit: **20/02/2019** Inspector(s): **[Redacted]**

Registration/Authorisation Details

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

Site Details

Total No facilities	42	Facilities stocked	23	No facilities inspected	28
Species	SAL	WRS			
Age group	2017 S0	Adult			
No Fish	99,000	8,900			
Mean Fish Wt	4.5Kg	Mixed			
Next Fallow Date (Site)	March/April 2019		Next Input Date (Site)	September/October 2019	

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: **30/10/2018**
 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)? **[Redacted]**
 If yes, is there a system in place for maintenance of transportation records? **[Redacted]**

Mortality Records

1. Mortality records available for inspection? **Y**
 2. How are mortalities disposed of? **Other (detail)**
 If other detail: **Whole fish to Grey Composting (fish transferred to Badcall Office for uplift)**
 3. Mortality records complete and correctly entered? **Y**
 4. Recent mortality (last 4 wks): **wk 4 - 0.19% (267), wk 5 - 0.2% (261), wk 6 - 0.16% (173), wk 7 - 0.08% (81)**
 5. Evidence of recent increased/atypical mortalities? **N**
 If yes, facility nos/no mortality per facility/no stock per facility/reason: **[Redacted]**

6. Any other peaks in mortality during period checked? **Y**
 If yes, detail: **November 2018 - 7.57% (13,870) and December 2018 - 3.93% (6,658) - continuation of gill issues that happened in September/October 2018 caused by plankton and low oxygen**
 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**

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

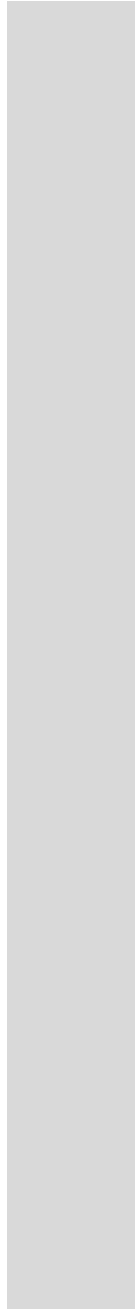
1. Has any animal health surveillance been carried out by, or on behalf of, the business?		Y
2. If yes, are results available for inspection?		Y
3. Any significant results?		N
If yes, detail (if not detailed under recent disease problems).		

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Records checked between: 1/11/18 - 20/2/19

Case No: **2019-0098** Site No: **FS0065** Date of visit: **20/02/2019**

Start date:	End date: (if applicable)	Size of fish:	Average weight of affected population:	Species:	Yearclass:	Timescale	Mortality rate recorded(%):	Explained/unexplained:	If explained, select reason(s):
29/10/18	04/11/2018	≥750g	2.7Kg	SAL	2017 S0	Weekly	2.41	Explained	Plankton, low oxygen and gill health issue
05/11/18	11/11/2018	≥750g	2.7Kg	SAL	2017 S0	Weekly	1.81	Explained	Plankton, low oxygen and gill health issue
12/11/18	18/11/2018	≥750g	2.7Kg	SAL	2017 S0	Weekly	1.69	Explained	Plankton, low oxygen and gill health issue
19/11/18	25/11/2018	≥750g	2.7Kg	SAL	2017 S0	Weekly	1.52	Explained	Plankton, low oxygen and gill health issue
26/11/18	02/12/2018	≥750g	2.7Kg	SAL	2017 S0	Weekly	1.75	Explained	Plankton, low oxygen and gill health issue
03/12/18	09/12/2018	≥750g	2.7Kg	SAL	2017 S0	Weekly	1.27	Explained	Plankton, low oxygen and gill health issue



Loch Duart Ltd
Badcall Salmon House
Scourie, Lairg
Sutherland
IV27 4TH

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS No	FB0398	DATE OF VISIT	20/02/2019
SITE No	FS0065	SITE NAME	Loch Laxford
INSPECTOR		CASE No	20190098

The above site was inspected without prior notification in conjunction with veterinary officers from the Animal and Plant Health Agency following a report of a potential welfare issue by a member of the public at an unspecified site operated by Loch Duart Ltd.

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 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 not been reported to the Fish Health Inspectorate. I would like to remind you of the industry agreement in relation to mortality reporting as detailed in A Code of Good Practice for Scottish Finfish Aquaculture.

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

A separate report will be issued by the Animal and Plant Health Agency.

R10

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: 25/02/2019

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

R10

Marine Laboratory, 375 Victoria Road, Aberdeen, AB11 9DB
Tel - 0131 244 3498 Fax - 01224 295620 Email - ms.fishhealth@gov.scot
Website - www.gov.scot/Topics/marine/science

Case No: 2019-0100 Date of visit: 26/02/2019

Time spent on site: 10 mins Main Inspector:

Site No: SS0522 Site Name: Cutter Rock
Business No: SB0043 Business Name: Douglas Wilson

Case Types: 1 PSI 2 3 4 5 6

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

Observations: Region: ST Water type: S CoGP MA

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

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

Additional Case Information:

No reliable spat fall on this site at the moment so no plans to farm in the immediate future. Hope to use it in the future if the company have the resource.

Anchors marker buoys on site at the moment but no longlines or floats.

Case Number:	2019-0100	Site No:	SS0522
Date of Visit	26/02/2019	Inspector:	
Number of Susceptible species on site			
If no susceptible species present = LOW 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
Sites within a tidal excursion			
		1	2-5
			>6
Site contacts	Number of sites holding susceptible species within a tidal excursion	0	2
			10
			0
Live shellfish movements			
		0	1-2
			>3
Movements on	Frequency of movements on from equivalent MS	0	5
	Frequency of movements on from equivalent zone or compartment including third country	0	10
	Number of suppliers	0	5
			10
Movements off	Frequency of movements off <u>within</u> MSS Management Areas	0	1
	Frequency of movements off <u>outwith</u> MSS Management Areas	0	3
	Number of destinations	0	3
			6
Management practices			
		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
Biosecurity			
	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
Total Risk			6

Case No: 2019-0100

Site No: SS0522

Date of case: 26/02/2019

Inspector(s):

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

Site Details

Total No facilities:	0	No facilities stocked:	0
Species	fallow		
Age group			
No shellfish			
Mean fish Wt			
Next fallow date (site)	N/A	Next input date (site)	Unsure

Date of last inspection: (ECI or PSI): 12/08/2014

Any recent increased or atypical mortalities? (last 4 weeks): N/A

If yes, detail: e.g. site average, max per facility

Any increased mortalities? (since last inspection) N/A

If yes, detail:

How are mortalities disposed of? Other (detail)

If other detail: N/A

Are there any diseases on your site? N/A

If yes, detail:

Have you experienced predation on site? N/A

If yes, detail:

Has the site experienced increased or abnormal fouling? N/A

If yes, detail:

Have you observed any invasive species on your site? N/A

If yes, detail:

Do you have an up to date BMP, and are there any issues? N/A

If yes, detail:

What quantity of spat fall have you had in the last 12 months? (mussel sites only):

N/A

[REDACTED]
Inverlussa Ardura,
Craignure,
Isle of Mull

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS No	SB0043	DATE OF CASE	26/02/2019
SITE No	SS0522	SITE NAME	Cutter Rock
INSPECTOR	[REDACTED]	CASE No	20190100

Routine surveillance frequency assessment under the Aquatic Animal Health (Scotland) Regulations 2009

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

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 fourth year. The category of the site will be reassessed on a routine basis and updated as required.

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

Signed:

[REDACTED]

Date: 26/02/2019

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

Case No: Date of visit:

Time spent on site: Main Inspector:

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

Case Types: 1 2 3 4 5 6

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

Observations: Region: WI Water type: S CoGP MA

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

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

Additional Case Information:

Site has been fallow for approximately 2 years.

All facilities and equipment moved off the site in June 2018 (apart from 1 buoy and an anchor)

The Crown Estate lease for the site is still held.

There are no immediate plans to use the site, but the site maybe used in the future.

Case Number:	2019-0101	Site No:	SS0653
Date of Visit	26/02/2019	Inspector:	
Number of Susceptible species on site			
If no susceptible species present = LOW 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
Sites within a tidal excursion			
		1	2-5
			>6
Site contacts	Number of sites holding susceptible species within a tidal excursion	0	2
			10
			0
Live shellfish movements			
		0	1-2
			>3
Movements on	Frequency of movements on from equivalent MS	0	5
	Frequency of movements on from equivalent zone or compartment including third country	0	10
	Number of suppliers	0	5
			10
Movements off	Frequency of movements off <u>within</u> MSS Management Areas	0	1
	Frequency of movements off <u>outwith</u> MSS Management Areas	0	3
	Number of destinations	0	3
			6
Management practices			
		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
Biosecurity			
	Number of sites	1	2 or 3
			≥ 4
Contacts with other sites	Sites operating from single shorebase	0	1
	Sites sharing staff and equipment	0	1
		Yes	No
	Disinfection of equipment between sites, use of footbaths etc	0	2
			0
Total Risk			3

Case No: 2019-0101

Site No: SS0653

Date of case: 26/02/2019

Inspector(s):

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

Site Details

Total No facilities:	0	No facilities stocked:	0
Species	Fallow		
Age group			
No shellfish			
Mean fish Wt			
Next fallow date (site)	N/A	Next input date (site)	Unsure

Date of last inspection: (ECI or PSI): 01/08/2017

Any recent increased or atypical mortalities? (last 4 weeks): N/A

If yes, detail: e.g. site average, max per facility

Any increased mortalities? (since last inspection) N/A

If yes, detail:

How are mortalities disposed of? Other (detail)

If other detail: N/A

Are there any diseases on your site? N/A

If yes, detail:

Have you experienced predation on site? N/A

If yes, detail:

Has the site experienced increased or abnormal fouling? N/A

If yes, detail:

Have you observed any invasive species on your site? N/A

If yes, detail:

Do you have an up to date BMP, and are there any issues? N/A

If yes, detail:

What quantity of spat fall have you had in the last 12 months? (mussel sites only):

N/A

[REDACTED]
Harris Fish Farming Co.Ltd.
6 Stockinish
Isle of Harris
Western Isles

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS No	SB0039	DATE OF CASE	26/02/2019
SITE No	SS0653	SITE NAME	Loch Stockinish
INSPECTOR	[REDACTED]	CASE No	20190101

Routine surveillance frequency assessment under the Aquatic Animal Health (Scotland) Regulations 2009

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

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 fourth year. The category of the site will be reassessed on a routine basis and updated as required.

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: 26/02/2019

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