

Case No:	<input type="text" value="2021-0116"/>	Date of visit:	<input type="text" value="04/08/2021"/>			
Time spent on site:	<input type="text" value="30mins"/>	Main Inspector:	<input type="text" value=""/>			
Site No:	<input type="text" value="SS0954"/>	Site Name:	<input type="text" value="Lochaline Native Oyster Restoration Project"/>			
Business No:	<input type="text" value="SB0567"/>	Business Name:	<input type="text" value="CAOLAS (Community Association of Lochs and Sounds)"/>			
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="13.6"/>	Thermometer No:	<input type="text" value="T173"/>	FHI 045 completed	<input type="text" value=""/>	
Observations:	Region:	HI	Water type:	S	CoGP MA	M-35
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:

First ECI

Input date: 13/07/2021. Source: Morecombe Bay hatchery.

Keeping in freezer bags and frozen. Mort disposal method: landfill/domestic waste (less than 22kg).

No mortality has been moved off site, but record maintained when mortalities occur.

Site inspection conducted on the 04/08/2021 by [REDACTED] and observed by [REDACTED]. Remote inspection conducted on the 28/07/2021 by [REDACTED] and observed by [REDACTED].

Case No:

Date of Visit:

Registration/Authorisation Details

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

Site Details (include cleaner fish for all sections)

Total No facilities

Species

Age group

No Fish

Mean Fish Wt

Next Fallow Date (Site)

Recent (last 4 wks) disease problems?

If yes, detail:

Movement Records

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

Transport Records

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

Mortality Records

1. Mortality records available for inspection?
2. How are mortalities disposed of?
If other detail:
3. Mortality records complete and correctly entered?
4. Recent mortality (last 4 wks):
5. Evidence of recent increased/atypical mortalities?
If yes, facility nos/no mortality per facility/no stock per facility/reason:

6. Any other peaks in mortality during period checked?

If yes, detail:

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

If yes, detail action:

8. Have 'mortality events' been reported to FHI? If no, enter details on mortality events sheet.

Treatments and Medicines Records

1. Recent treatments (see comment)?

If yes, detail:

If other, detail:

2. Medicines records available for inspection?

3. Are records complete and correctly entered?

4. Are fish in a withdrawal period?

5. If yes, what treatment(s)?

If other, detail:

6. Are medicines stored appropriately?

Biosecurity Records

1. Biosecurity records available for inspection?

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

3. Has the manner and period in which the APB will notify Scottish Ministers or veterinary professional of any *increased (unexpl*

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 be

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

6. Have the husbandry and biosecurity measures implemented between each epidemiological unit to minimise transmission of c

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

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

If no, detail:

Results of Surveillance

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

2. If yes, are results available for inspection?

3. Any significant results?

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

2021-0116

OED
2021
10,100
1.09g

<22kg so disposed in landfill however no mortalities have been disposed of yet as kept in a freezer in case sampling is required.

ained) mortality at the site been included?
en included and *how* and *when* that will be notified to Scottish Ministers?

ification if required)?

disease been covered (movement of staff, visitors, equipment, live or dead fish etc.)?

d on site?

Records chec

Site No: SS0954

04/08/2021

Inspector(s): [Redacted]

Y
N

26	Facilities stocked	8	No facilities inspected	8
N/A	Next Input Date (Site)		Spring 2023	
	N Any escapes (since last visit)?		N/A	

[Redacted] Y
 First Inspection
 [Redacted] Y
 [Redacted] Y
 [Redacted] Y
 [Redacted] N/A

[Redacted]

[Redacted] Y
Other (detail)

[Redacted] Y
1 mortality since input [Redacted] N

[Redacted] N

[Redacted] N/A

[Redacted] N/A

		Y
		Y
		Y
		Y
		Y
		Y
		Y
		Y
		Y
		N
ked between: 13/07/2021-28/07/2021		

Case Number:	2021-0116	Site No:	SS0954		
Date of Visit	04/08/2021	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	25	
	Susceptible to Marteilia refringens (OED, MED)	0	3	3	
	Susceptible to OshV (CGI)	0	3	0	
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	0
	Frequency of movements on from equivalent zone or compartment including third country	0	10	20	0
	Number of suppliers	0	5	10	5
Movements off	Frequency of movements off <u>within</u> MSS Management Areas	0	1	2	0
	Frequency of movements off <u>outwith</u> MSS Management Areas	0	3	6	0
	Number of destinations	0	3	6	0
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	0
	Depuration of stock from other businesses sites within MSS management area	0	2	6	0
	Depuration of stock from sites outwith MSS management area	0	4	8	0
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	5	0
			Yes	No	
	Disinfection of equipment between sites, use of footbaths etc	0	0	2	0
				Total Risk	33
					HIGH

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

Case No:	<input type="text" value="2021-0233"/>	Date of visit:	<input type="text" value="03/08/2021"/>			
Time spent on site:	<input type="text" value="4.5h"/>	Main Inspector:	<input type="text" value=""/>			
Site No:	<input type="text" value="FS1269"/>	Site Name:	<input type="text" value="Lochailort Recirculation Hatchery"/>			
Business No:	<input type="text" value="FB0119"/>	Business Name:	<input type="text" value="Mowi Scotland Ltd"/>			
Case Types:	1 <input type="text" value="ECS"/>	2 <input type="text" value="CNI"/>	3 <input type="text" value="VMD"/>	4 <input type="text" value=""/>	5 <input type="text" value=""/>	6 <input type="text" value=""/>
Water Temp (°C):	<input type="text" value="see additional ii"/>	Thermometer No:	<input type="text" value="Site"/>	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:

Q3s @ 60g being transferred to Loch Garry 29/07 and 30/07/2021.

Mortality:

Q3(2021)- Wk30, 96, 0.03%; Wk29, 115, 0.04%; Wk28, 118, 0.04%; Wk27, 216, 0.02%

Q4(2021)- Wk30, 2926, 0.13%; Wk29, 433, 0.01%; Wk28, 626, 0.02%; Wk27, 640, 0.02%

Q1(2022)- Wk30, 2105, 0.11%; Wk29, 779, 0.04%; Wk28, 1186, 0.06%; Wk27, 1024, 0.05%

Q2(2022)- Wk 30/29/27 counts not conducted weekly as fish were hatching. Wk28, 3137, 0.45%

Fish were inputted from Aquagen (Holywood) and also Kildrummie (Ireland).

Water temperature (site thermometer used for biosecurity reasons):

Q4 (2021)- 14.6 (therefore 30 fish sampled for VHS and IHN).

Q1/2 (2022)- 13.6

Alevins- 6

Cress has been administered multiple times for the various populations. Last treatment date was 04/06/2021.

Fish were being graded at the time of the inspection. Couple of associated mortalities were observed.

Remote inspection completed by [REDACTED], observed by [REDACTED] on 28/07/2021. Site inspection conducted by [REDACTED], observed by [REDACTED] on 03/08/2021.

VMD sampling conducted by [REDACTED] and supervised by [REDACTED]. 30 fish sample: pool 1 conducted by [REDACTED] and pool 2-6 conducted by [REDACTED], observed by [REDACTED].

Case No: 2021-0233

Site No: FS1269

Date of Visit: 03/08/2021

Inspector(s):

Registration/Authorisation Details

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

Site Details (include cleaner fish for all sections)

Total No facilities	55 tanks + 1 hatchery	Facilities stocked	44	No facilities inspected	55 + 1
Species	SAL	SAL	SAL	SAL	
Age group	2022 Q2	2022 Q1	2021 Q3	2021 Q4	
No Fish	2,900,000	3,400,000	317,000	2,100,000	
Mean Fish Wt	0.15g	3-7g	90-100g	27g	
Next Fallow Date (Site)	ongoing cycle		Next Input Date (Site)	TBC	
Recent (last 4 wks) disease problems?			N	Any escapes (since last visit)?	N
If yes, detail:					

Movement Records

- 1. Movement records available for inspection? Y
- 2. Date of last inspection: 09/09/2020
- 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? Y

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?

Mortality Records

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

Treatments and Medicines Records

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

Biosecurity Records

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

Results of Surveillance

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

Records checked between: 09/09/2020-28/07/2021

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

Priority samples: VI BA PA MG HI

Time sampling starts/ends: Inspector: VMD No.

Environmental conditions: 1 2 3 4 5

Summary samples HIST BA MG VI PA Total Samples

Add Fish/Pools - click

Pool/Fish No	P1	P2	P3	P4	P5	P6							
Fish nos	1-5	6-10	11-15	16-20	21-25	26-30	31-56	57-73	74-90	91-106	107-122	123-139	
Pool Group													
Species	SAL	SAL	SAL	SAL	SAL	SAL	SAL	SAL	SAL	SAL	SAL	SAL	SAL
Average weight	40g	40g	40g	40g	40g	40g	40g	40g	40g	40g	40g	40g	40g
Sex	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Water Type	FW	FW	FW	FW	FW	FW	FW	FW	FW	FW	FW	FW	FW
Stock Details		Kildrummie	Kildrummie	Kildrummie	Kildrummie	Kildrummie	Kildrummie	Kildrummie	Kildrummie	Kildrummie	Kildrummie	Kildrummie	Kildrummie
	Stock Origin		Kildrummie	Kildrummie	Kildrummie	Kildrummie	Kildrummie	Kildrummie	Kildrummie	Kildrummie	Kildrummie	Kildrummie	Kildrummie
Facility No	39	47	42	37	34	46	39	47	42	38	34	37	

08/2021 Additional Sample Information:

[Empty box for additional sample information]

6 Total Tests assigned 5

140-154														
SAL														
40g														
N/A														
FW														
Kildrummie														
38														

Case Number:	2021-0233	Site No:	FS1269	Insp:		
Date of Visit	03/08/2021	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	5
	Frequency of movements on from equivalent zone or compartment including third country	0	9	18	26	0
	Number of suppliers	0	5	10	14	5
Movements off	Frequency of movements off	0	3	6	10	10
	Number of destinations	0	3	6	10	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				0
	Farm is on-line or in a coastal zone with category I farms upstream or within 1 tidal excursion	1	2	4		
	Farm is on-line or in a coastal zone with category III farms upstream or within 1 tidal excursion	1	3	6		
	Farm is on-line or in a coastal zone with category V farms upstream or within 1 tidal excursion	1	4	8		
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				0
	Common processes with other farms	3				
	Collection point for waste from other farms	5				
Use of unpasteurised feeds	No feeding of unpasteurised feed	0				0
	Feeding unpasteurised feed	5				
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				
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					26	HIGH

Case No:

2021-0233

Site No:

FS1269

Sea Lice Inspection (Seawater Sites Only)

1. Has the site experienced sea lice problems in the previous 4 years?
2. Is the CoGP Farm Management Area (or equivalent) followed synchronously on a single year class basis?
3. Does the site have access to a range of licenced in-feed and bath sea lice medications (including deltamethrin, azamethiphos and benzoate) as well as access to suitable biological and/or mechanical control measures, and can these be deployed in a reasonable manner?
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 in place? (CoGP Annex 6)
8. Have average adult female sea lice (*L. salmonis*) numbers per fish been at a level of 3 or above (prior to w/b 10/6/19) or 2 or above? 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?
16. Do the sea lice levels observed on stocks reflect sea lice count data? If no please detail reasons.

Containment Inspection

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

site indoors, vermin control, jump nets

If other, detail below:

influent and effluent water passes through screens and pumps

3. Have escape incidents or events been experienced on or in the vicinity of the site since the last FHI inspection?
If Yes proceed with questions 4 – 9. If No skip to question 10
4. Have these been reported to Scottish Ministers?
5. Have these been reported to local DSFB forthwith (where they exist)? (CoGP – 4.4.37, 5.4.17)
6. Have these been reported to the SSPO and local fisheries trusts forthwith (where they exist)? (CoGP – 4.4.37, 5.4.17)
7. Were methods (if any) used to recover escapees? If yes give detail

8. If gill nets were deployed was this action agreed with local wild fish interests and was permission given by Scottish Ministers? (Legal SSI – 4.4.38, 5.4.18)

9. What action was taken to prevent and minimise the risk of further escapes? (Not covered in code but could be considered under satisfactory measures of the Act)

10. Is the site inspected as satisfactory with regards to containment? If no, please detail reason(s)

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS No	FB0119	DATE OF VISIT	03/08/2021
SITE No	FS1269	SITE NAME	Lochailort Recirculation Hatchery
CASE No	20210233	INSPECTOR	[REDACTED]

Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

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

All epidemiological units were inspected. On this occasion, due to the water temperature being above 14°C, samples were taken to test for the presence of viral haemorrhagic septicaemia virus (VHSV) and infectious haematopoietic necrosis virus (IHNV). The Inspector did not observe any clinical signs associated with the listed diseases as described in the Aquatic Animal Health (Scotland) Regulations 2009.

Samples

30 Atlantic salmon were tested for the presence of viral haemorrhagic septicaemia virus (VHSV) and infectious haematopoietic necrosis virus (IHNV). Samples were collected according to the table below:

Fish number	Pool number	Facility number	Stage	Origin
1-5	1	39	2021 Q4	Kildrummie
6-10	2	47	2021 Q4	Kildrummie
11-15	3	42	2021 Q4	Kildrummie
16-20	4	37	2021 Q4	Kildrummie
21-25	5	34	2021 Q4	Kildrummie
26-30	6	46	2021 Q4	Kildrummie

The samples tested **negative** for IHNV and VHSV.

Records

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

R04

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

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

Mortality records were inspected and found to be adequately maintained.

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

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

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

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

Medicine records were inspected and found to be adequately maintained.

Samples were taken to be analysed for veterinary residues.

Inspection under the Aquaculture and Fisheries (Scotland) Act 2007

The site was also inspected in accordance with the Aquaculture and Fisheries (Scotland) Act 2007 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: 17/08/2021

Fish Health Inspector

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

Case No:	<input type="text" value="2021-0234"/>	Date of visit:	<input type="text" value="04/08/2021"/>			
Time spent on site:	<input type="text" value="4.5h"/>	Main Inspector:	<input type="text" value=""/>			
Site No:	<input type="text" value="FS0212"/>	Site Name:	<input type="text" value="Invasion Bay"/>			
Business No:	<input type="text" value="FB0119"/>	Business Name:	<input type="text" value="Mowi Scotland Ltd"/>			
Case Types:	1 <input type="text" value="ECI"/>	2 <input type="text" value="CNI"/>	3 <input type="text" value="VMD"/>	4 <input type="text" value="SLI"/>	5 <input type="text" value="DIA"/>	6 <input type="text" value=""/>
Water Temp (°C):	<input type="text" value="13.9"/>	Thermometer No:	<input type="text" value="T173"/>	FHI 045 completed	<input type="text" value=""/>	
Observations:	Region:	HI	Water type:	S	CoGP MA:	M-34
Dead/weak/abnormally behaving fish present?	<input type="text" value="Y"/>	If yes, see additional information/clinical score sheet.				
Clinical signs of disease observed?	<input type="text" value="Y"/>	If yes, see additional information/clinical score sheet.				
Gross pathology observed?	<input type="text" value="Y"/>	If yes, see additional information/clinical score sheet.				
Diagnostic samples taken?	<input type="text" value="Y"/>					

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

Additional Case Information:

Some information was provided on 06/07/2021. Details provided:

Last cycle: VHP, Treatment Records, Site Details, Mortalities

This cycle: VHP, Site Details, Cleanerfish Movements, Lice and Mortality Data

Cleanerfish:

Lumpfish peak mortality- 2020 Wk28, 1613 ,pseudomonas; 2021 Wk18 1217, wounds and fin damage; 2021 Wk24 1004 emancipation; 2021 Wk25 1137, pseudomonas

AMX treatment for caligus 20/7/2021 to 23/7/2021.

Remote inspection conducted by [REDACTED] on 27/07/2021, observed by [REDACTED]. Site inspection conducted by [REDACTED] and observed by [REDACTED] (04/08/2021). VMD sampled by [REDACTED], observed by [REDACTED].

Three fish diagnostic sampling (04/08/2021): fish 1 taken by [REDACTED], observed by [REDACTED]. Fish 2 and 3 taken by [REDACTED] and observed by [REDACTED]. Two fish were moribund and a third that was removed was also included in the sample.

Case No: Site No:

Date of Visit: Inspector(s):

Registration/Authorisation Details

1. Business/site details summary checked by site representative?

2. Changes made to details?

Site Details (include cleaner fish for all sections)

Total No facilities	<input type="text" value="18"/>	Facilities stocked	<input type="text" value="18"/>	No facilities inspected	
Species	<input type="text" value="SAL"/>	<input type="text" value="LUM"/>	<input type="text" value="WRS"/>		
Age group	<input type="text" value="2020 Q4"/>	<input type="text" value="2020"/>	<input type="text" value="wild"/>		
No Fish	<input type="text" value="564,274"/>	<input type="text" value="104,058"/>	<input type="text" value="30,988"/>		
Mean Fish Wt	<input type="text" value="1.743kg"/>	<input type="text" value="100g"/>	<input type="text" value="mix"/>		
Next Fallow Date (Site)	<input type="text" value="September 2022"/>		Next Input Date (Site)	<input type="text" value="December 2022"/>	
Recent (last 4 wks) disease problems?	<input type="text" value="N"/>		Any escapes (since last visit)?		

If yes, detail:

Movement Records

1. Movement records available for inspection?

2. Date of last inspection:

3. Are records complete and correctly entered?

4. Are movement records available for dead fish and waste?

5. Are records complete and correctly entered?

6. Are health certificates for introductions (outwith GB) available?

Transport Records

1. Are any movements carried out by (or on behalf) of the business (not using a STB)?

If yes, is there a system in place for maintenance of transportation records?

Mortality Records

1. Mortality records available for inspection?

2. How are mortalities disposed of?

If other detail:

3. Mortality records complete and correctly entered?

4. Recent mortality (last 4 wks):

5. Evidence of recent increased/atypical mortalities?

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

6. Any other peaks in mortality during period checked?

If yes, detail:

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

If yes, detail action:

8. Have 'mortality events' been reported to FHI? If no, enter details on mortality events sheet.

Treatments and Medicines Records

1. Recent treatments (see comment)?

If yes, detail:

AMX, T.M.S

If other, detail:

2. Medicines records available for inspection?

3. Are records complete and correctly entered?

4. Are fish in a withdrawal period?

5. If yes, what treatment(s)?

T.M.S.

If other, detail:

6. Are medicines stored appropriately?

Biosecurity Records

1. Biosecurity records available for inspection?

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

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

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

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

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

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

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

If no, detail:

Results of Surveillance

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

2. If yes, are results available for inspection?

3. Any significant results?

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

Records checked between:

14/11/2019-27/07/2021



18
N

Y
Y
N/A
N/A
Y

N

Y
Y
k30, 289,
N

Y
N/A
N/A

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

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

Priority samples: VI BA PA MG HI

Time sampling starts/ends: Inspector: VMD No.

Environmental conditions: 1 2 3 4 5

Summary samples HIST BA MG VI PA Total Samples

Add Fish/Pools - click

Pool/Fish No	F1	F2	F3	P1								
Fish nos	1	2	3	1-3	4	5						
Pool Group	P1	P1	P1	P2								
Species	SAL	SAL	SAL	SAL	SAL	SAL						
Average weight	1.7000	1.7000	1.7000	1.7000	1.7000	1.7000						
Sex	N/A	N/A	N/A	N/A	N/A	N/A						
Water Type	SW	SW	SW	SW	SW	SW						
Stock Details		Loch Garry (FS1104)	Loch Garry (FS1104)	Loch Garry (FS1104)	Loch Garry (FS1104)	Loch Garry (FS1104)	Loch Garry (FS1104)					
	Stock Origin											
Facility No	1	3	8		4	4						

08/2021 Additional Sample Information:

4 Total Tests assigned 4

Case no: 2021-0234

Site No: FS0212

Method of killing: Anaesthetic

Date of visit: 04/08/2021

Inspector(s):

Sheet Relevant: Y

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

Fish Number		F1	F2	F3						
Time sampled after death (if > 45 minutes)		12:00	12:40	13:15						
External Signs										
Behaviour	Moribund	S		S						
	Lethargic	S		S						
	Hanging vertical									
	Spiralling									
	Flashing									
	Loss of equilibrium									
Body	Dark	S		S						
	Distended abdomen									
	Anorexic									
	Scale Oedema									
Opercula	Shortened		W	W						
	Flared									
Haemorrhaging	Throat									
	Ventrum									
	Base of fins									
	Elsewhere									
Eyes	Exophthalmic									
	Enophthalmic (sunken)									
	Cataract	S								
	Haemorrhagic									
Gills	Pale	W								
	Zoned									
	Necrotic									
Lesions	Flank	M								
	Elsewhere									
Vent	Inflamed									
	Trailing faeces									
Lice Load	Estimate numbers		0	0	0					
Internal Signs										
Ascites	Clear									
	Bloody									
Oedema	In tissues									
Heart	Pale/anaemic									
	Granulomas									
	Deformed									
Liver	Petechial haem	S								
	Gross haem									
	Tissue breakdown									
	Enlarged									
	Colour number(s)		4	3	1					
	Granulomas									
	Lesions									
Pyloric caeca	Petechial haem									
	Tubules mauve									
	Lack of fat									
Spleen	Enlarged	W								
	Granulomas									
Gut	No food present									
	Yellow pseudo-faeces	S		S						
	External haem									
	Internal haem									
Body wall	Haemorrhaging									
Swim bladder	Haemorrhaging									
	Fluid filled									
Kidney	Swollen									
	Grey	W		S						
	Granular	W		S						
	Liquefied									
General	Parasites present									
	Anaemia									

Additional comments:

F1 adhesions throughout the internal cavity, the spleen was encased in a membrane and was slightly enlarged, one eye was missing and a cataract was present in the other, the eye was sampled for histo. F2 was from healthy stock as additional sample training, some considerable scale loss on one flank but this was due to handling as the fish were soft in addition minor pin prick haemorrhaging was present on the ventral surface. Internally the fish appeared healthy. Internally adhesions were evident, some deposits on the fatty tissue. F3 also possessed adhesions in the internal cavity. Minor lesions on one flank. with scale loss evident. Kidney slightly grey and granular, there was no other indication of BKD, therefore no samples were taken for this.

Case Number:	2021-0234	Site No:	FS0212	Insp:		
Date of Visit	04/08/2021	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	10
	Frequency of movements on from equivalent zone or compartment including third country	0	9	18	26	0
	Number of suppliers	0	5	10	14	10
Movements off	Frequency of movements off	0	3	6	10	10
	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		
	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				
	Processing own fish (re-cycling risk)	1				1
	Processing fish from MS of equivalent status	2				
	Processing fish from zone or compartment of equivalent status	4				
	Processing fish from Category III farm	8				
	Processing fish from Category V farm	10				
Disposal of fish and fish by-products	Site's own waste only processed.	0				0
	Common processes with other farms	3				
	Collection point for waste from other farms	5				
Use of unpasteurised feeds	No feeding of unpasteurised feed	0				0
	Feeding unpasteurised feed	5				
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				
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					35	HIGH

Case No:

2021-0234

Site No:

FS0212

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, and 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 M
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 Anne
7. Are sea lice (*L. salmonis*) record levels below the suggested criteria for treatment in the CoGP during the period
8. Have average adult female sea lice (*L. salmonis*) numbers per fish been at a level of 3 or above (prior to w/b 10/ 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
10. Have therapeutic treatments been administered or other actions taken when *L. salmonis* levels have exceeded 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
15. Is there a site specific written lice management procedure with waypoints describing set actions to deal with rec
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)

Tension nets top nets

If other, detail below:

3. Have escape incidents or events been experienced on or in the vicinity of the site since the last FHI inspection? If Yes proceed with questions 4 – 9. If No skip to question 10
4. Have these been reported to Scottish Ministers?
5. Have these been reported to local DSFB forthwith (where they exist)? (CoGP – 4.4.37, 5.4.17)
6. Have these been reported to the SSPO and local fisheries trusts forthwith (where they exist)? (CoGP – 4.4.37, 5
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
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)

	<input type="checkbox"/> N
	<input type="checkbox"/> Y
azamethiphos and emamectin benzoate) as well as access to ?	<input type="checkbox"/> Y
management Area (or equivalent)?	<input type="checkbox"/> Y
	<input type="checkbox"/> Y
x 6)	<input type="checkbox"/> Y
that records are inspected? (CoGP Annex 6)	<input type="checkbox"/> N
6/19) or 2 or above (from w/b 10/6/19) during the period that	<input type="checkbox"/> Y
5.3.50)	<input type="checkbox"/> Y
the suggested criteria for treatment or where <i>C. elongatus</i> is	<input type="checkbox"/> N
	<input type="checkbox"/> Y
	<input type="checkbox"/> Y
nt for sea lice?	<input type="checkbox"/> Y
cognised scenarios during the escalation of a sea lice infestation?	<input type="checkbox"/> Y
	<input type="checkbox"/> Y
	<input type="checkbox"/> N
	<input type="checkbox"/> Y
	<input type="checkbox"/> N
	<input type="checkbox"/>
	<input type="checkbox"/>
.4.17)	<input type="checkbox"/>
	<input type="checkbox"/>
sh Ministers? (Legal, CoGP – 4.4.38, 5.4.18)	<input type="checkbox"/>
	<input type="checkbox"/>
	<input type="checkbox"/> Y
	<input type="checkbox"/>
	<input type="checkbox"/>

Case No: 2021-0234

Site No: FS0212

Date of Visit: 04/08/2021

Inspector: [REDACTED]

Point of Compliance

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

If N, no further questions require completion.

Points of Compliance for Both Farm Management Agreements and Statements

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

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

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

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

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

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

Arrangements for Fish Health Management

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

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

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

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

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

Arrangements for The Management of Sea Lice

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

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

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

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

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

Live Fish Movements

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

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

Harvesting

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

Fallowing

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

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

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

Point of Compliance for Farm Management Agreements Only

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

Management and operation

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

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



FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS No	FB0119	DATE OF VISIT	04/08/2021
SITE No	FS0212	SITE NAME	Invasion Bay
CASE No	20210234	INSPECTOR	[REDACTED]

Section 1: Summary

During a routine inspection two lethargic and moribund Atlantic salmon were observed, these were removed for further examination and subsequent diagnostic sampling. A third salmon that had been removed for residue testing was also sampled to allow a direct comparison to be made and for training purposes.

Histopathology examination revealed mild gill pathology and dermatitis. Mild peritonitis was observed in one fish and likely associated with vaccination.

Pseudomonas sp. was isolated from the lesions of all three fish and the kidney of one however, purity and level of growth did not suggest that the bacteria were implicated in fish morbidity.

Samples tested negative infectious haematopoietic necrosis virus (IHNV), infectious pancreatic necrosis virus (IPNV), salmonid alphavirus (SAV), infectious salmon anaemia virus (ISAV) and viral haemorrhagic septicemia virus (VHSV).

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

Section 2: Case Detail

Observations

The site was visited for a routine inspection. No recent disease problems had been reported. Mortality across the site has been low in weeks leading up to the inspection. On inspection of the stocks two moribund and lethargic fish were observed and removed for further examination and subsequent diagnostic sampling. One additional fish was removed for residue testing.

Externally F1 and F2 were moribund and lethargic with darkened bodies. The opercula of F2 and F3 were slightly shortened. F1 had one eye missing and a cataract, in addition the gills were pale and lesions were evident on the flank. F2 had some minor pin prick lesions on the ventral surface. All three fish had scale loss on the flanks but this was due to handling.

Internally, F1 and F3 displayed adhesions throughout the internal cavity and F2 had some dark deposits on the fatty tissue. F1 had some petechial haemorrhaging on the liver and had a slightly

R09

enlarged spleen. Yellow pseudo faeces was present in the gut of F1 and F3 and the kidneys were grey and granular. The spleen of F1 was encased in a membrane.

Samples

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

Fish number	Pool number	Facility number	Species	Stage	Origin
F1	P1	1	Atlantic salmon	2020 Q4/ 1.7kg	Loch Garry (FS1104)
F2	P1	3	Atlantic salmon	2020 Q4/ 1.7kg	Loch Garry (FS1104)
F3	P1	8	Atlantic salmon	2020 Q4/ 1.7kg	Loch Garry (FS1104)

Results

Bacteriology: Kidney, gill, and lesion material from three fish were inoculated onto appropriate media for the isolation of bacteria.

The following bacterium was isolated:

- *Pseudomonas* sp.: F1-3 (Lesions), F1 (Kidney)

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

The samples tested negative for IHNV, IPNV, ISAV, SAV, VHSV.

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

Histopathological examination revealed the following:

Gill: Mild interlamellar epithelial hyperplasia and lamellar fusion, several lamellae displaying vascular thrombosis (F1). F3 displayed debris among gill filaments and a structure resembling a copepod.

Skin & Muscle: Oedematous epidermal layer, oedema of the stratum spongiosum, no pocket scales present and presence of minimal inflammatory cell infiltration (F1). F2 displayed a focal area with a cluster of osteoclast-like cells and some inflammatory cell infiltration on the stratum spongiosum.

Heart: within normal range.

Gut and pyloric caeca: Abdominal adipose tissue displayed some inflammatory cell infiltration, some fibrous adhesions and granulomatous inflammation (likely associated with vaccine administration) (F1). F2 exhibited some sloughing likely associated with post-mortem artefacts.

Pancreas: Within normal range. F3 displayed evidences of pancreatic autolysis.

R09

Liver: Two granuloma within the hepatic parenchyma (F1), some diffuse vacuolation (macrovisicles) (F1).

Kidney: Few scattered swollen erythrocyte within hematopoietic tissue.

Spleen: Foci of reduced white pulp (F1).

Eye: Within normal range (F1). F2 and F3 not sampled.

Signed:



Fish Health Inspector

Date: 26/08/2021

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

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS No	FB0119	DATE OF VISIT	04/08/2021
SITE No	FS0212	SITE NAME	Invasion Bay
CASE No	20210234	INSPECTOR	[REDACTED]

Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

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

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

Records

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

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

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

Mortality records were inspected and found to be adequately maintained.

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

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

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

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

Medicine records were inspected and found to be adequately maintained.

R25

Samples were taken to be analysed for veterinary residues.

Inspection under the Aquaculture and Fisheries (Scotland) Act 2007

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

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

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

Signed:



Date: 10/08/2021

Fish Health Inspector

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

Case No:	<input type="text" value="2021-0270"/>	Date of visit:	<input type="text" value="05/08/2021"/>			
Time spent on site:	<input type="text" value="4h"/>	Main Inspector:	<input type="text" value=""/>			
Site No:	<input type="text" value="FS0413"/>	Site Name:	<input type="text" value="Camas Glas"/>			
Business No:	<input type="text" value="FB0119"/>	Business Name:	<input type="text" value="Mowi Scotland Ltd"/>			
Case Types:	1 <input type="text" value="ECI"/>	2 <input type="text" value="CNI"/>	3 <input type="text" value="SLI"/>	4 <input type="text" value="VMD"/>	5 <input type="text" value=""/>	6 <input type="text" value=""/>
Water Temp (°C):	<input type="text" value="13.9"/>	Thermometer No:	<input type="text" value="T173"/>	FHI 045 completed	<input type="text" value=""/>	
Observations:	Region:	HI	Water type:	S	CoGP MA	M-34
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:

Cleanerfish Previous peak mortalities:

LUM- 2020: wk16, 3251, decomp and wounds; wk17, 4114, decomp, wounds, culled (1648); wk18, 2235, decomp, wounds, culled (756); wk19, 1493, decomp, wounds, culled (400). Dropping after wk17.

SAL previous peak mortalities:

2019 wk 40, 2.94%; wk41, 9.54%; wk42, 4.90%; wk43, 2.73%; wk44, 2.41% (post treatment morts)

Recent mortality:

LUM mortality: 2021 wk27, 197, decomp and wounds; wk28, 1277, decomp and wounds

SAL mortality: 2021 wk27, 2301, 0.34%; wk28, 2088, 0.52%; wk29, 2519, 0.38%, physical damage; wk30, 2849, 0.43%

WRS mortality: 2021 wk27, 53, wounds and fin damage; wk28, 85, wounds and fin damage;

wk29- 814, mostly lumpfish

Sea lice- wk9 2020 , not reported over threshold

Concussion main cause of physical damage, looking to install bird poles to mitigate further damage.

Site uses environets, these seem to work well on the circle pens. A couple of pens had some warping of the handrail, this was reported to be due to completing swim-throughs when the temperatures were high, the plastic becomes slightly more maleable and when the weight of the wet net is supported on the handrail some warping occurred. A trial of dyneema environets is ongoing with one pen fitted, the net is significantly lighter reducing strain on the pen structure.

The water was very clear allowing a good inspection of the stocks. Wrasse and lumpfish all appeared in good health. The salmon appeared very jumpy however no issues with lice are reported and the fish sampled had zero lice burden. Due to the issues with concussion the 'hamster' wheels are being replaced with bird poles.

Remote inspection conducted on the 29/07/2021 by [REDACTED] and observed by [REDACTED]. Site inspection conducted by [REDACTED] on 05/08/2021. VMD sampling conducted by [REDACTED] and observed by [REDACTED].

Case No: Site No:

Date of Visit: Inspector(s):

Registration/Authorisation Details

1. Business/site details summary checked by site representative?

2. Changes made to details?

Site Details (include cleaner fish for all sections)

Total No facilities	<input type="text" value="12"/>	Facilities stocked	<input type="text" value="12"/>	No facilities inspected	<input type="text" value="12"/>
Species	<input type="text" value="SAL"/>	<input type="text" value="LUM"/>	<input type="text" value="WRS"/>		
Age group	<input type="text" value="2021 Q1"/>	<input type="text" value="2021"/>	<input type="text" value="Wild"/>		
No Fish	<input type="text" value="663,036"/>	<input type="text" value="35,404"/>	<input type="text" value="44,102"/>		
Mean Fish Wt	<input type="text" value="449.16g"/>	<input type="text" value="50g"/>	<input type="text" value="-"/>		
Next Fallow Date (Site)	<input type="text" value="October 2022"/>		Next Input Date (Site)	<input type="text" value="December 2022"/>	
Recent (last 4 wks) disease problems?	<input type="text" value="N"/>		Any escapes (since last visit)?	<input type="text" value="N"/>	
If yes, detail:	<input type="text" value=""/>				

Movement Records

1. Movement records available for inspection?

2. Date of last inspection:

3. Are records complete and correctly entered?

4. Are movement records available for dead fish and waste?

5. Are records complete and correctly entered?

6. Are health certificates for introductions (outwith GB) available?

Transport Records

1. Are any movements carried out by (or on behalf) of the business (not using a STB)?

If yes, is there a system in place for maintenance of transportation records?

Mortality Records

1. Mortality records available for inspection?

2. How are mortalities disposed of?

If other detail:

3. Mortality records complete and correctly entered?

4. Recent mortality (last 4 wks):

5. Evidence of recent increased/atypical mortalities?

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

6. Any other peaks in mortality during period checked?

If yes, detail:

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

If yes, detail action:

8. Have 'mortality events' been reported to FHI? If no, enter details on mortality events sheet.

Treatments and Medicines Records

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

Concussion and zooplankton damage noted (salmon), <i>Pseudomonas anguillaseptica</i> (cleanerfish: lumpfish)	
Records checked between:	22/10/2019-29/07/2021

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

Priority samples: VI BA PA MG HI

Time sampling starts/ends: Inspector: VMD No.

Environmental conditions: 1 2 3 4 5

Summary samples HIST BA MG VI PA Total Samples

Add Fish/Pools - click

Pool/Fish No	1	2	3	4	5	6	7	8	9			
Fish nos	1	2	3	4	5	6	7	8	9			
Pool Group												
Species	SAL	SAL	SAL	SAL	SAL	SAL	SAL	SAL	SAL			
Average weight	0.4490	0.4490	0.4490	0.4490	0.4490	0.4490	0.4490	0.4490	0.4490			
Sex	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
Water Type	SW	SW	SW	SW	SW	SW	SW	SW	SW			
Stock Details		Lochailort (FS1269)	Lochailort (FS1269)	Lochailort (FS1269)	Lochailort (FS1269)	Lochailort (FS1269)	Lochailort (FS1269)	Lochailort (FS1269)	Lochailort (FS1269)	Lochailort (FS1269)		
	Stock Origin											
Facility No	12	12	12	2	2	2	5	5	5			

Case Number:	2021-0270	Site No:	FS0413	Insp:		
Date of Visit	05/08/2021	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	5
	Frequency of movements on from equivalent zone or compartment including third country	0	9	18	26	0
	Number of suppliers	0	5	10	14	5
Movements off	Frequency of movements off	0	3	6	10	10
	Number of destinations	0	3	6	10	3
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				0
	Common processes with other farms	3				
	Collection point for waste from other farms	5				
Use of unpasteurised feeds	No feeding of unpasteurised feed	0				0
	Feeding unpasteurised feed	5				
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				
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					24	MEDIUM

Case No: 2021-0270

Site No: FS0413

Sea Lice Inspection (Seawater Sites Only)

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

Containment Inspection

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

Top nets
(birds),
Tension
nets, Seal
blinds

If other, detail below:

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

Case No: 2021-0270

Site No: FS0413

Date of Visit: 05/08/2021

Inspector: [REDACTED]

Point of Compliance

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

If N, no further questions require completion.

Points of Compliance for Both Farm Management Agreements and Statements

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

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

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

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

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

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

Arrangements for Fish Health Management

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

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

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

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

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

Arrangements for The Management of Sea Lice

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

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

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

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

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

Live Fish Movements

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

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

Harvesting

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

Fallowing

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

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

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

Point of Compliance for Farm Management Agreements Only

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

Management and operation

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

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

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS No	FB0119	DATE OF VISIT	05/08/2021
SITE No	FS0413	SITE NAME	Camas Glas
CASE No	20210270	INSPECTOR	[REDACTED]

Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

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

All epidemiological units were inspected. 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 third year. The category of the site will be reassessed on a routine basis and updated as required.

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

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

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

Mortality records were inspected and found to be adequately maintained.

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

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 2015

Medicine records were inspected and found to be adequately maintained.

Samples were taken to be analysed for veterinary residues.

Inspection under the Aquaculture and Fisheries (Scotland) Act 2007

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

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

On this occasion the site was found to have had average adult female *Lepeophtheirus salmonis* ('sea lice') per fish counts of 2 or above. These counts had not been reported to the Fish Health Inspectorate as part of the required measures to demonstrate that satisfactory measures are in place for the control of sea lice. At this occurrence where the average adult female sea lice per fish count reaches 2 or above this should have been reported to the Fish Health Inspectorate within seven days of the date of the count.

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: 10/08/2021

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

Case No: 2021-0292 Date of visit: 25/08/2021

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

Site No: SS0948 Site Name: Burnbank
Business No: SB0553 Business Name: Orkney Shellfish Hatchery (OSH) Ltd

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

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

Observations: Region: OR Water type: B 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:

Site Follow.

Additional Case Information:

Oysters came onto the site in April 2020 and were held in quarantine tanks until they were transferred to Lamb Holm following negative PCR tests for *Bonamia* and *Marteillia*.

First batch were moved off in July 2020.

Site received a second input in March 2021 and were transferred to Lamb Holm following negative PCR tests for *Bonamia* and *Marteillia* in April 2021.

The site has remained fallow since April 21.

This site is unlikely to be stocked, and is intended to only be used as a temporary holding facility for animals prior to transfer to Lamb Holm (SS0548).

Broodstock may be transferred to this site from Lamb Holm to allow Lamb Holm to undergo cleaning and disinfection and a short fallow period prior to next spawning, but this has not yet been confirmed.

Case No: Site No:

Date of Visit: Inspector(s):

Registration/Authorisation Details

1. Business/site details summary checked by site representative?

2. Changes made to details?

Site Details (include cleaner fish for all sections)

Total No facilities	<input type="text" value="2"/>	Facilities stocked	<input type="text" value="0"/>	No facilities inspected	<input type="text" value="2"/>
Species	<input type="text"/>				
Age group	<input type="text"/>				
No Fish	<input type="text"/>				
Mean Fish Wt	<input type="text"/>				
Next Fallow Date (Site)	<input type="text" value="Currently fallow."/>		Next Input Date (Site)	<input type="text" value="Unsure."/>	
Recent (last 4 wks) disease problems?	<input type="text" value="N"/>	Any escapes (since last visit)?	<input type="text" value="N"/>		
If yes, detail:	<input type="text"/>				

Movement Records

1. Movement records available for inspection?

2. Date of last inspection:

3. Are records complete and correctly entered?

4. Are movement records available for dead fish and waste?

5. Are records complete and correctly entered?

6. Are health certificates for introductions (outwith GB) available?

Transport Records

1. Are any movements carried out by (or on behalf) of the business (not using a STB)?

If yes, is there a system in place for maintenance of transportation records?

Mortality Records

1. Mortality records available for inspection?

2. How are mortalities disposed of?

If other detail:

3. Mortality records complete and correctly entered?

4. Recent mortality (last 4 wks):

5. Evidence of recent increased/atypical mortalities?

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

6. Any other peaks in mortality during period checked?

If yes, detail:

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

If yes, detail action:

8. Have 'mortality events' been reported to FHI? If no, enter details on mortality events sheet.

Treatments and Medicines Records

1. Recent treatments (see comment)?	
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?		Y
2. If yes, are results available for inspection?		Y
3. Any significant results?		N
If yes, detail (if not detailed under recent disease problems).		

Records checked between:	First Inspection.
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Case Number:	2021-0292	Site No:	SS0948
Date of Visit	25/08/2021	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
			3
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	6
			4
			8
			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
			2
			5
		Yes	No
	Disinfection of equipment between sites, use of footbaths etc	0	2
			2
			0
Total Risk			32
			HIGH



FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS No	SB0553	DATE OF VISIT	25/08/2021
SITE No	SS0948	SITE NAME	Burnbank
CASE No	20210292	INSPECTOR	[REDACTED]

The operator of 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 site was fallow at the time of inspection.

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



Signed:

Date: 30/08/2021

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: 2021-0293 Date of visit: 25/08/2021

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

Site No: SS0548 Site Name: Lamb Holm
Business No: SB0553 Business Name: Orkney Shellfish Hatchery (OSH) Ltd

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

Water Temp (°C): 8 Thermometer No: T152 FHI 045 completed N/A

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

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

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

Additional Case Information:

Average weekly mortality since input in July 2020 was 0.7%

The oyster broodstock on site were originally sourced from the Isle of Mull. They were originally moved onto OSHs Burnbank site (SS0948) where they were housed for a period of time while testing for listed diseases was ongoing at Marine Scotland. Following negative results, the animals were transferred to this site.

Lobsters are also wildcaught by local fishing vessels in the waters around Orkney, and transferred to Lamb Holm Quarry (SS0806). Lobsters are generally sold for human consumption from SS0806, but gravid females are transferred to Lamb Holm where they are placed in tanks for spawning. Larvae are collected in dedicated tanks and then released back into the wild. Adult females are then transferred back to SS0806 where they are then sold for human consumption.

Holding tanks are maintained at a temperature of 8 degrees. Spawning tanks are maintained at 22 degrees.

Any mortalities and waste are sealed in biohazard bags and then stored in a freezer until such a time when capacity is reached. Bags are then taken to Chinglebraes clinical waste facility in Orkney for incineration.

There are preliminary plans in place to supply the DEEP restoration project with juvenile oysters towards the end of this year, beginning of next year. Site manager explained that restoration projects would be the destination for the majority of their stock.

All animals observed on site appeared healthy. No gaping shells were observed in any of the stock.

Case No: **2021-0293** Site No: **SS0548**
 Date of Visit: **25/08/2021** Inspector(s): **[REDACTED]**

Registration/Authorisation Details

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

Site Details (include cleaner fish for all sections)

Total No facilities	1	Facilities stocked	1	No facilities inspected	1
Species	OED	OED	HGA	HGA	
Age group	Adult	Spat	Adult	Juveniles	
No Fish	636	245,000	1	2,000	
Mean Fish Wt	300g	<1g	1.8kg	<1g	
Next Fallow Date (Site)	November 21		Next Input Date (Site)	Feb 22	
Recent (last 4 wks) disease problems?			Any escapes (since last visit)?	N	
If yes, detail:	[REDACTED]				

Movement Records

1. Movement records available for inspection? **Y**
 2. Date of last inspection: **01/12/2020**
 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: **Placed in biohazard bags and stored in a freezer prior to incineration at Chinglebraes waste facility.**
 3. Mortality records complete and correctly entered? **Y**
 4. Recent mortality (last 4 wks): **Average mortality across the site is 25 oysters/week (2.2% 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? **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, enter details on mortality events sheet. **N/A**

Treatments and Medicines Records

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

Biosecurity Records

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

Results of Surveillance

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

Records checked between:	1/12/2020 - 17/08/2021
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Case Number:	2021-0293	Site No:	SS0548
Date of Visit	25/08/2021	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
			3
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	6
			4
			8
			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
			2
			5
		Yes	No
	Disinfection of equipment between sites, use of footbaths etc	0	2
			0
Total Risk			
38			
HIGH			

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS No	SB0553	DATE OF VISIT	25/08/2021
SITE No	SS0548	SITE NAME	Lamb Holm
CASE No	20210293	INSPECTOR	██████████

Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

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

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

Records

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

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

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

Mortality records were inspected and found to be adequately maintained.

No animal health surveillance had been carried out on behalf of the business and/or Marine 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: 30/08/2021

Fish Health Inspector

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

Case No: 2021-0294 Date of visit: 24/08/2021

Time spent on site: 3hrs Main Inspector: [Redacted]

Site No: FS0597 Site Name: Meil Bay

Business No: FB0095 Business Name: Cooke Aquaculture Scotland Ltd

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

Water Temp (°C): 13.5 Thermometer No: T152 FHI 045 completed []

Observations: Region: OR Water type: S CoGP MA: O-2

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

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

Additional Case Information:

Smolts came on from Yetts O'Muckart (FS0371) in April 2020.

Used as a nursery site. Fish will be moved off to Carness and Quanterness.

Deadhaul harvests go to Kirkwall processing plant within the disease management area. No discharge into DMA.

All mortalities are transferred to Doon Bay in sealed bins where they are collected by a Cooke road lorry and transferred to Pelagia in Bussy, Shetland where they are ensiled.

Seal presence has been noted around the site. Although not causing damage to equipment, the majority of mortalities at the site have been attributed to seal damage.

Site is equipped with both nylon nets and seal blinds on half of the cages and sapphire nets on the other half. Mortalities attributed to seal damage are higher in cages with nylon nets. Site plans to replace the nylon nets with sapphire nets during fallow.

Sites within the FMA are not fallowed synchronously on a single year class basis, but there is a documented risk assessment for this which was made available during the inspection.

Fish were sitting deep in the water so difficult to observe. One moribund observed across the site, removed at the time of inspection and humanely dispatched.

Fish sampled for VMD appeared healthy and demonstrated a strong feeding response.

Case No: **2021-0294** Site No: **FS0597**
 Date of Visit: **24/08/2021** Inspector(s): **[REDACTED]**

Registration/Authorisation Details

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

Site Details (include cleaner fish for all sections)

Total No facilities	10	Facilities stocked	6	No facilities inspected	10
Species	SAL				
Age group	2020 S1				
No Fish	99,000				
Mean Fish Wt	4kg				
Next Fallow Date (Site)	Sep 21	Next Input Date (Site)	Mar 22		
Recent (last 4 wks) disease problems?		Any escapes (since last visit)?	N		N
If yes, detail:	[REDACTED]				

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)? 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: **See additional comments.**
- 3. Mortality records complete and correctly entered? Y
- 4. Recent mortality (last 4 wks): **Wk32: 543 (0.76%) Wk31: 310 (0.21%), Wk30: 483 (0.29%), Wk29: 192**
- 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, enter details on mortality events sheet. N/A

Treatments and Medicines Records

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

Biosecurity Records

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

Results of Surveillance

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

Records checked between:	29/05/2018 - 24/08/2021
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Case Number:	2021-0294	Site No:	FS0597	Insp:		
Date of Visit	24/08/2021	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	
	Number of suppliers	0	5	10	14	0
Movements off	Frequency of movements off	0	3	6	10	10
	Number of destinations	0	3	6	10	3
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				
	Processing own fish (re-cycling risk)	1				1
	Processing fish from MS of equivalent status	2				
	Processing fish from zone or compartment of equivalent status	4				
	Processing fish from Category III farm	8				
	Processing fish from Category V farm	10				
Disposal of fish and fish by-products	Site's own waste only processed.	0				
	Common processes with other farms	3				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		2
	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					22	MEDIUM

Case No: **2021-0294**

Site No: **FS0597**

Sea Lice Inspection (Seawater Sites Only)

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

Containment Inspection

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

Top nets, tensioned
sapphire nets,
nylon nets and
seal blinds

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: 2021-0294

Site No: FS0597

Date of Visit: 24/08/2021

Inspector: [REDACTED]

Point of Compliance

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

If N, no further questions require completion.

Points of Compliance for Both Farm Management Agreements and Statements

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

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

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

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

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

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

Arrangements for Fish Health Management

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

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

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

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

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

Arrangements for The Management of Sea Lice

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

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

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

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

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

Live Fish Movements

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

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

Harvesting

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

Fallowing

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

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

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

Point of Compliance for Farm Management Agreements Only

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

Management and operation

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

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



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

Priority samples: VI BA PA MG HI

Time sampling starts/ends: Inspector: VMD No.

Environmental conditions: 1 2 3 4 5

Summary samples HIST BA MG VI PA Total Samples

Add Fish/Pools - click

Pool/Fish No												
Fish nos	1											
Pool Group												
Species	SAL											
Average weight	4kg											
Sex	N/A											
Water Type	SW											
Stock Details		Yetts O'Muckart										
		FS0371										
Stock Origin												
Facility No	2											

08/2021 Additional Sample Information:
Humanely dispatched by percussive blow.

0 Total Tests assigned 0

Site No: FS0597
Case No: 2021-0294
Nature of non-compliance:
Action taken (FHI):
Non-compliance relevant to (delete): VirologyMolGen/Bacteriology/Histology/Parasitology



FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS No	FB0095	DATE OF VISIT	24/08/2021
SITE No	FS0597	SITE NAME	Meil Bay
CASE No	20210294	INSPECTOR	██████████

Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

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

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

Records

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

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

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

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

Mortality records were inspected and found to be adequately maintained.

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

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

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

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

Medicine records were inspected and found to be adequately maintained.

Samples were taken to be analysed for veterinary residues.

Inspection under the Aquaculture and Fisheries (Scotland) Act 2007

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

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

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



Signed:

Date: 30/08/2021

Fish Health Inspector

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

Case No: 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: OR Water type: S CoGP MA: O-2

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:

Smolts came on from Yetts O'Muckart (FS0371) in April 2020.

All mortalities are transferred to Doon Bay in sealed bins where they are collected by a Cooke road lorry and transferred to Pelagia in Bussy, Shetland where they are ensiled.

Site has had very low mortality since input and fish are reportedly doing very well, with high conversion rates observed across both stocks.

Average lep numbers across the site are extremely low. Caligus numbers have increased slightly in the last few weeks but are not at a level where intervention is deemed necessary. No treatment planned at this time.

Deadhaul harvests are taken to Kirkwall processing plant within the disease management area. No discharge into DMA. No live movements of fish off this site.

Sites within FMA are not fallowed synchronously on a single year class basis, but there is a documented risk assessment for this which was made available during the inspection.

A few moribunds were observed across the site that had a higher than average lice load, however this was not reflective of the whole population which appeared healthy. Moribunds were removed at time of inspection and humanely dispatched. No other clinical signs of disease were observed so fish were not sampled for diagnostics.

Fish sampled for VMD appeared healthy and demonstrated a strong feeding response.

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

Registration/Authorisation Details

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

Site Details (include cleaner fish for all sections)

Total No facilities	<input type="text" value="8"/>	Facilities stocked	<input type="text" value="8"/>	No facilities inspected	<input type="text" value="8"/>
Species	<input type="text" value="SAL"/>				
Age group	<input type="text" value="2020 S1"/>				
No Fish	<input type="text" value="153,792"/>				
Mean Fish Wt	<input type="text" value="3.7kg"/>				
Next Fallow Date (Site)	<input type="text" value="Oct/Nov 21"/>	Next Input Date (Site)	<input type="text" value="Jan/Feb 22"/>		
Recent (last 4 wks) disease problems?	<input type="text" value="N"/>		Any escapes (since last visit)?	<input type="text" value="N"/>	
If yes, detail:	<input type="text" value=""/>				

Movement Records

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

Transport Records

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

Mortality Records

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

Treatments and Medicines Records

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

Biosecurity Records

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

Results of Surveillance

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

Records checked between:	29/05/2018 - 18/08/2021
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Case Number:	2021-0295	Site No:	FS0908	Insp:		
Date of Visit	24/08/2021	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	
	Number of suppliers	0	5	10	14	0
Movements off	Frequency of movements off	0	3	6	10	0
	Number of destinations	0	3	6	10	0
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		1
On farm processing within the rules of the directive	No on farm processing	0				
	Processing own fish (re-cycling risk)	1				1
	Processing fish from MS of equivalent status	2				
	Processing fish from zone or compartment of equivalent status	4				
	Processing fish from Category III farm	8				
	Processing fish from Category V farm	10				
Disposal of fish and fish by-products	Site's own waste only processed.	0				
	Common processes with other farms	3				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		2
	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					10	LOW

Case No: **2021-0295**

Site No: **FS0908**

Sea Lice Inspection (Seawater Sites Only)

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

Containment Inspection

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

Top nets, tensioned sapphire nets

If other, detail below:

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

Case No: 2021-0295

Site No: FS0908

Date of Visit: 24/08/2021

Inspector: [REDACTED]

Point of Compliance

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

If N, no further questions require completion.

Points of Compliance for Both Farm Management Agreements and Statements

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

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

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

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

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

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

Arrangements for Fish Health Management

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

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

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

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

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

Arrangements for The Management of Sea Lice

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

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

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

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

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

Live Fish Movements

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

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

Harvesting

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

Fallowing

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

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

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

Point of Compliance for Farm Management Agreements Only

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

Management and operation

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

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



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

Priority samples: VI BA PA MG HI

Time sampling starts/ends: Inspector: VMD No.

Environmental conditions: 1 2 3 4 5

Summary samples HIST BA MG VI PA Total Samples

Add Fish/Pools - click

Pool/Fish No												
Fish nos	1	2										
Pool Group												
Species	SAL	SAL										
Average weight	3.7kg	3.7kg										
Sex	N/A	N/A										
Water Type	SW	SW										
Stock Details												
		Yetts O'Muckart FS0371	Yetts O'Muckart FS0371									
Stock Origin												
Facility No	6	8										

Site No: FS0908
Case No: 2021-0295
Nature of non-compliance:
Action taken (FHI):
Non-compliance relevant to (delete): VirologyMolGen/Bacteriology/Histology/Parasitology



FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS No	FB0095	DATE OF VISIT	24/08/2021
SITE No	FS0908	SITE NAME	Quanterness
CASE No	20210295	INSPECTOR	██████████

Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

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

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

Records

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

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

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

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

Mortality records were inspected and found to be adequately maintained.

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

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 2015

Medicine records were inspected and found to be adequately maintained.

Samples were taken to be analysed for veterinary residues.

Inspection under the Aquaculture and Fisheries (Scotland) Act 2007

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

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

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



Signed:

Date: 30/08/2021

Fish Health Inspector

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

Case No: 2021-0313 Date of visit: 26/08/2021

Time spent on site: 45 mins Main Inspector: [REDACTED]

Site No: FS1046 Site Name: Larval Rearing Unit
Business No: FB0119 Business Name: Mowi Scotland Ltd

Case Types: 1 MOV 2 ECI 3 4 5 6

Water Temp (°C): 13 Thermometer No: T146 FHI 045 completed

Observations: Region: ST Water type: B CoGP MA: M-49

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

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

Additional Case Information:

Site visited 26/8/21 for export certificate signing and 13/7/21 for ECI.

Cert MS/2021/0010 for 1000000 ballan wrasse in 20 boxes for export to Norway.

Site was visited 13/7/21, case 20210247 - all paperwork for EC completed at this time but water temp was 14c. This case is for the site inspection only as water temp was below 14c. See case 20210247 for full detail of case paperwork.

All fish on site appeared healthy with no moribund animals being observed.

Case No: **2021-0313** Site No: **FS1046**
 Date of Visit: **26/08/2021** Inspector(s): **[REDACTED]**

Registration/Authorisation Details

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

Site Details (include cleaner fish for all sections)

Total No facilities	33	Facilities stocked	24	No facilities inspected	24
Species	Ballan WRA	Ballan WRA			
Age group	Brood	larvae			
No Fish	2,000	1,000,000			
Mean Fish Wt	370g to 1.5kg	0.1g			
Next Fallow Date (Site)	no plan		Next Input Date (Site)	No plan	
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: **23/08/2021**
 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: **Hazco -incinerated offsite**
 3. Mortality records complete and correctly entered? **Y**
 4. Recent mortality (last 4 wks): **none since last visit 23/8/21**
 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, enter details on mortality events sheet. **N/A**

Treatments and Medicines Records

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

Biosecurity Records

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

Results of Surveillance

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

Records checked between:	<input type="text" value="23/8/21- 28/8/21"/>
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FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

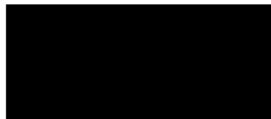
BUSINESS No	FB0119	DATE OF VISIT	26/08/2021
SITE No	FS1046	SITE NAME	Larval Rearing Unit
CASE No	20210313	INSPECTOR	[REDACTED]

Inspection for export

The above site was visited and a consignment of ballan wrasse larvae for export to Norway was inspected. A health certificate was issued which must travel with the consignment to the destination.

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: 06/09/2021

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

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS No	FB0119	DATE OF VISIT	26/08/2021
SITE No	FS1046	SITE NAME	Larval Rearing Unit
CASE No	20210313	INSPECTOR	[REDACTED]

Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

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

All epidemiological units were inspected. 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

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

Mortality records were inspected and found to be adequately maintained. No mortality levels exceeding the reporting criteria have been recorded since the last inspection.

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

The site was inspected on 13th July 2021 and records including those relating to farm management agreements and the biosecurity measures plan were checked. However at the time of this inspection water temperature at the site was above that required for the visual assessment of fish stocks in accordance with Aquatic Animal Health (Scotland) Regulations 2009. During this visit on 26/8/21 the water temperature had reduced and a visual inspection of fish stocks was carried out. Please refer to the case of 13th July 2021 (case 20210247) for full details.

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: 06/09/2021

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

Case No: 2021-0315 Date of visit: 26/08/2021

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

Site No: FS1307 Site Name: Wrasse Broodstock Unit
Business No: FB0119 Business Name: Mowi Scotland Ltd

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

Water Temp (°C): 13 Thermometer No: T146 FHI 045 completed []

Observations: Region: ST Water type: S CoGP MA: M-49

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

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

Additional Case Information:

Site visited 13/7/21 for EC inspection , case 20210248. All paperwork done then but water temp was 14c. This visit was to complete site inspection. Paperwork completed under case 20210248.

Site inspection; all stocks appeared health. No moribund fish observed.

Case No: Site No:

Date of Visit: Inspector(s):

Registration/Authorisation Details

1. Business/site details summary checked by site representative?

2. Changes made to details?

Site Details (include cleaner fish for all sections)

Total No facilities	<input type="text" value="12"/>	Facilities stocked	<input type="text" value="8"/>	No facilities inspected	<input type="text" value="12"/>
Species	<input type="text" value="Ballan Wrasse"/>	<input type="text" value="Ballan Wrasse"/>	<input type="text" value="Ballan Wrasse"/>		
Age group	<input type="text" value="2013"/>	<input type="text" value="2019"/>	<input type="text" value="2012"/>		
No Fish	<input type="text" value="384"/>	<input type="text" value="997"/>	<input type="text" value="203"/>		
Mean Fish Wt	<input type="text" value="650g"/>	<input type="text" value="68g"/>	<input type="text" value="700g"/>		
Next Fallow Date (Site)	<input type="text" value="none"/>		Next Input Date (Site)	<input type="text" value="none"/>	
Recent (last 4 wks) disease problems?			Any escapes (since last visit)?	<input type="text" value="N"/>	
If yes, detail:	<input type="text" value=""/>				

Movement Records

1. Movement records available for inspection?

2. Date of last inspection:

3. Are records complete and correctly entered?

4. Are movement records available for dead fish and waste?

5. Are records complete and correctly entered?

6. Are health certificates for introductions (outwith GB) available?

Transport Records

1. Are any movements carried out by (or on behalf) of the business (not using a STB)?

If yes, is there a system in place for maintenance of transportation records?

Mortality Records

1. Mortality records available for inspection?

2. How are mortalities disposed of?

If other detail:

3. Mortality records complete and correctly entered?

4. Recent mortality (last 4 wks):

5. Evidence of recent increased/atypical mortalities?

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

6. Any other peaks in mortality during period checked?

If yes, detail:

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

If yes, detail action:

8. Have 'mortality events' been reported to FHI? If no, enter details on mortality events sheet.

Treatments and Medicines Records

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

Biosecurity Records

1. Biosecurity records available for inspection?	N
2. Has the manner and frequency of mortality removal, recording and safe disposal been considered?	
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?	N/A
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:	13/7/21- 26/8/21
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FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS No	FB0119	DATE OF VISIT	26/08/2021
SITE No	FS1307	SITE NAME	Wrasse Broodstock Unit
CASE No	20210315	INSPECTOR	[REDACTED]

Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

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

All epidemiological units were inspected. 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

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

Mortality records were inspected and found to be adequately maintained. No mortality levels exceeding the reporting criteria have been recorded since the last inspection.

The site was inspected on 13th July 2021 and records including those relating to farm management agreements and the biosecurity measures plan were checked. However at the time of this inspection water temperature at the site was above that required for the visual assessment of fish stocks in accordance with Aquatic Animal Health (Scotland) Regulations 2009. During this visit on 26/8/21 the water temperature had reduced and a visual inspection of fish stocks was carried out. Please refer to the case of 13th July 2021 (case 20210248) for full details.

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

Signed:



Date: 06/09/2021

Fish Health Inspector

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

R25