

Case No: 2023-0340 Date of visit: 03/08/2023

Time spent on site: 15 minutes Main Inspector:

Site No: SS0182 Site Name: Scalpay
Business No: SB0119 Business Name: Scalpay Estate

Case Types: 1 REG 2 3 4 5 6

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

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

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

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

Boat needed to be fixed before being used

Additional Case Information:

The site is currently being used for a PhD project. This is due to end in September with stock to be moved off the site by the end of the year. No current plans to restock site as it may just be used for seaweed farming.

A physical site inspection could not be done due to issues with the boat. These will be fixed soon and a site inspection can be carried out later in the year.

Case No: Site No:

Date of Visit: Inspector(s):

Registration/Authorisation Details

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

2. Changes made to details?

Site Details (include cleaner fish for all sections)

Total No facilities	<input type="text" value="4"/>	Facilities stocked	<input type="text" value="2"/>	No facilities inspected	<input type="text" value="0"/>
Species	<input type="text" value="PMA"/>	<input type="text" value="AOP"/>			
Age group	<input type="text" value="2019"/>	<input type="text" value="2019"/>			
No Fish	<input type="text" value="1 line"/>	<input type="text" value="1 line"/>			
Mean Fish Wt	<input type="text" value="n/a"/>	<input type="text" value="n/a"/>			
Next Fallow Date (Site)	<input type="text" value="By end of 2023"/>		Next Input Date (Site)	<input type="text" value="No current plans"/>	
Recent (last 4 wks) disease problems?			N	Any escapes (since last visit)?	<input type="text" value="N/A"/>
If yes, detail:	<input type="text" value=""/>				

Movement Records

1. Movement records available for inspection?

2. Date of last inspection:

3. Are records complete and correctly entered?

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

5. Are records complete and correctly entered?

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

Transport Records

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

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

Mortality Records

1. Mortality records available for inspection?

2. How are mortalities disposed of?

If other detail:

3. Mortality records complete and correctly entered?

4. Recent mortality (last 4 wks):

5. Evidence of recent increased/atypical mortalities?

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

6. Any other peaks in mortality during period checked?

If yes, detail:

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

If yes, detail action:

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

Treatments and Medicines Records

1. Recent treatments (see comment)?

If yes, detail:

If other, detail:

2. Medicines records available for inspection?

3. Are records complete and correctly entered?

4. Are fish in a withdrawal period?

5. If yes, what treatment(s)?

If other, detail:

6. Are medicines stored appropriately?

Biosecurity Records

1. Biosecurity records available for inspection?

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:

Case Number:	2023-0340		Site No:	SS0182	
Date of Visit	03/08/2023		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 <i>Bonamia ostrea</i> (OED)	0	25		0
	Susceptible to <i>Marteilia refringens</i> (OED, MED)	0	3		0
	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	0
Movements off	Frequency of movements off <u>within</u> MSS Management Areas	0	1	2	0
	Frequency of movements off <u>outwith</u> MSS Management Areas	0	3	6	0
	Number of destinations	0	3	6	0
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	1
			Yes	No	
	Disinfection of equipment between sites, use of footbaths etc		0	2	0
				Total Risk	1 LOW

Case No: Date of visit:
 Site No: Inspector:

Results Summary	Freq.	Date of Notification						
		Database	Insp	Phone	Insp	Writing	Insp	2 nd Insp

Report Summary			
Case Type	Date	Insp	2 nd Insp
REG	09/08/2023		



FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS No	SB0119	DATE OF VISIT	03/08/2023
SITE No	SS0182	SITE NAME	Scalpay
CASE No	20230340	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.

On this occasion the site could not be physically inspected due to boat issues. Once these are resolved, the site will be inspected again later this year before the site fallows.

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

Signed:

[REDACTED]

Fish Health Inspector

Date: 09/08/2023

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

Case No: 2023-0355 Date of visit: 09/08/2023

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

Site No: FS1274 Site Name: Kishorn West
Business No: FB0125 Business Name: Scottish Sea Farms Ltd

Case Types: 1 DIA 2 REP 3 [] 4 [] 5 [] 6 []

Water Temp (°C): 13.9 Thermometer No: Site FHI 045 completed N/A

Observations: Region: HI Water type: S CoGP MA: M-19

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

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

Additional Case Information:

Site inspected in a calm sea state, sun with little cloud cover which allowed for good clear visibility of the stocks.

From the physical inspection of the site, a large population in each pen was observed shoaling and moving actively. There were approximately a dozen to two dozen lethargic / moribund fish observed in each pen. 5 fish displaying clinical signs of disease were removed for diagnostic sampling. The gills of all 5 fish were very pale and anaemic, indicative of a recent environmental insult, internally the fish appeared healthy, with no clear signs of disease observed.

The site is currently using both wrasse and lumpfish, both species were observed during the inspection with both stocks appearing healthy. No clinical signs of disease were observed across the site in either of the two cleaner fish stocks. Lumpfish are from Bantry (Ireland) and Wrasse are wild caught from Scotland.

In week 26 the site identified a large increase in numbers of micro jelly fish (Obelia) whilst conducting routine plankton checks which resulted in acute gill damage leading to an initial spike in mortality in week 26. The levels of mortality reduced in wk 27 following a reduction in plankton levels that week however mortality began to spike again in week 28 to present as a large population have developed very pale gills (anaemia from blood loss) following the initial insult which is causing on-going higher mortality. Plankton levels are currently low. In recent weeks the site have been conducting targeted harvest to reduce biomass, the site is now planning to fallow by the end of this month as mortality is still elevated and on-going.

Site thermometer used to record water temperature as T309 was faulty.

18/07/2023 - 3/6 fish sampled tested positive for pasturella, 6/6 positive for AGD.

Cleanerfish mortality : Wrasse - Week 28 to Week 31 was 0.41% (60 fish).

Cleanerfish mortality : Lumpfish - Week 28 to Week 31 was 0.54% (139 fish)

Case No: Site No:

Date of Visit: Inspector(s):

Registration/Authorisation Details

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

2. Changes made to details?

Site Details (include cleaner fish for all sections)

Total No facilities	<input type="text" value="10"/>	Facilities stocked	<input type="text" value="8"/>	No facilities inspected	<input type="text" value="10"/>
Species	<input type="text" value="SAL"/>	<input type="text" value="LUM"/>	<input type="text" value="WRS"/>		
Age group	<input type="text" value="2023"/>	<input type="text" value="2023"/>	<input type="text" value="2023"/>		
No Fish	<input type="text" value="170,668"/>	<input type="text" value="33,800"/>	<input type="text" value="13,200"/>		
Mean Fish Wt	<input type="text" value="4.4kg"/>	<input type="text" value="120g"/>	<input type="text" value="150g"/>		
Next Fallow Date (Site)	<input type="text" value="August 2023"/>		Next Input Date (Site)	<input type="text" value="December 2023"/>	
Recent (last 4 wks) disease problems?			Any escapes (since last visit)?	<input type="text" value="Y"/>	<input type="text" value="N"/>
If yes, detail:	<input type="text" value="See additional info"/>				

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:	Benzocaine	
If other, detail:	N/a	
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)?	Benzocaine	
If other, detail:	N/a	
6. Are medicines stored appropriately?	<input type="checkbox"/>	Y

Biosecurity Records

1. Biosecurity records available for inspection?	<input type="checkbox"/>
2. Has the manner and frequency of mortality removal, recording and safe disposal been considered?	<input type="checkbox"/>
3. Has the manner and period in which the APB will notify Scottish Ministers or veterinary professional of any <i>increased (unexplained) mortality</i> 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="checkbox"/>

Results of Surveillance

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

Records checked between:	17/07/23 - 09/08/23
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Case no: Site No: Date of visit/
Sampling:

Priority samples: VI BA PA MG HI

Time sampling starts/ends: Inspector: VMD No.

Environmental conditions: 1 2 3 4 5

Summary samples HIST BA MG VI PA Total Samples

Add Fish/Pools - click

Pool/Fish No	F1	F2	F3	F4	F5							
Fish nos	1	2	3	4	5							
Pool Group												
Species	SAL	SAL	SAL	SAL	SAL							
Average weight	4.4kg	4.4kg	4.4kg	4.4kg	4.4kg							
Sex	N/A	N/A	N/A	N/A	N/A							
Water Type	SW	SW	SW	SW	SW							
Stock Details		Stofnfiskur	Stofnfiskur	Stofnfiskur	Stofnfiskur	Stofnfiskur						
	Stock Origin											
Facility No	6	2	2	1	1							

08/2023 Additional Sample Information:

Total Tests assigned

Case no: **2023-0355** Site No: **FS1274** Method of killing:

Date of visit: **09/08/2023** Inspector(s): Sheet Relevant: **Y**

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

Fish Number		F1	F2	F3	F4	F5				
Time sampled after death (if > 45 minutes)		0	0	15	30	45				
External Signs										
Behaviour	Moribund	M	M	M	M	M				
	Lethargic	S	S	S	S	S				
	Hanging vertical									
	Spiralling									
	Flashing									
Body	Loss of equilibrium									
	Dark									
	Distended abdomen									
	Anorexic									
Opercula	Scale Oedema									
	Shortened									
	Flared									
Haemorrhaging	Throat									
	Ventrum									
	Base of fins									
	Elsewhere									
Eyes	Exophthalmic									
	Enophthalmic (sunken)									
	Cataract									
	Haemorrhagic									
Gills	Pale	M	S	S	W	S				
	Zoned		W	W						
	Necrotic		M	W						
Lesions	Flank									
	Elsewhere									
Vent	Inflamed									
	Trailing faeces									
Lice Load	Estimate numbers		5	3	4	2	6			
Internal Signs										
Ascites	Clear	S	W	M	W	W				
	Bloody									
Oedema	In tissues									
Heart	Pale/anaemic									
	Granulomas									
	Deformed									
Liver	Petechial haem									
	Gross haem									
	Tissue breakdown									
	Enlarged									
	Colour number(s)		3	3	4	3	5			
	Granulomas									
	Lesions		W							
Pyloric caeca	Petechial haem									
	Tubules mauve									
	Lack of fat									
Spleen	Enlarged									
	Granulomas									
Gut	No food present									
	Yellow pseudo-faeces	S	S	S	S	S				
	External haem									
	Internal haem									
Body wall	Haemorrhaging									
Swim bladder	Haemorrhaging									
	Fluid filled									
Kidney	Swollen									
	Grey									
	Granular									
	Liquefied									
General	Parasites present									
	Anaemia									

Case no: 2023-0355

Date of visit: 09/08/2023

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

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

Additional comments:

Site No: FS1274
Case No: 2023-0355
Nature of non-compliance:
Action taken (FHI):
Non-compliance relevant to (delete): VirologyMolGen/Bacteriology/Histology/Parasitology



Case No:	2023-0355	Date of visit:	09/08/2023
Site No:	FS1274	Inspector:	

Results Summary	Freq.	Date of Notification						
		Database	Insp	Phone	Insp	Writing	Insp	2 nd Insp
AGDQ	4/5	16/08/2023		16/08/2023				
IHNP	0/5	16/08/2023		16/08/2023				
IPNM	0/5	16/08/2023		16/08/2023				
PNST	4/5	16/08/2023		16/08/2023				
PMVP	0/5	16/08/2023		16/08/2023				
SPVP	3/5	16/08/2023		16/08/2023				
SALP	0/5	16/08/2023		16/08/2023				
VHSP	0/5	16/08/2023		16/08/2023				
Gill pathology - GPAT	4/5	30/08/2023		30/08/2023				
Amoebic gill disease (histology) - AMGD	3/5	30/08/2023		30/08/2023				
Complex gill issues (histology) - CGDH	4/5	30/08/2023		30/08/2023				
Liver pathology - LPAT	5/5	30/08/2023		30/08/2023				
Heart pathology - HPAT	5/5	30/08/2023		30/08/2023				
Postmortem changes - PMCH	5/5	30/08/2023		30/08/2023				
Vibrio species (culture) VSPE	2/5	30/08/2023		30/08/2023				
*emailed								

Report Summary			
Case Type	Date	Insp	2 nd Insp
DIA	22/09/2023		



FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS No	FB0125	DATE OF VISIT	09/08/2023
SITE No	FS1274	SITE NAME	Kishorn West
CASE No	20230355	INSPECTOR	[REDACTED]

Section 1: Summary

The above site was inspected following reports of increased mortality by the farm operator. During the physical inspection of the site, five fish were removed for diagnostic sampling.

Histopathological examination revealed features consistent with mild, multifocal, hyperplastic branchitis, amoebic gill diseases confirmed by qPCR and vascular disturbances potentially associated with environmental factors/insults. Hepatocellular necrosis and minor myocarditis were also observed.

Vibrio sp. was identified on plates taken from kidney material of F1, F4 and F5. The level and purity of growth would not suggest this bacterium would be implicated as a primary cause of morbidity.

Four fish tested positive for *Neoparamoeba perurans* and *Paranucleospora theridion* by qPCR. Three fish tested positive for salmon gill poxvirus (SGPV).

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

Section 2: Case Detail

Observations

The site was inspected following reports of prolonged increased mortality by the farm operator. At the time of visit the site was stocked with 170,668 Atlantic salmon at an average weight of 4.4kg.

A large increase in numbers of micro jelly fish (*Obelia* sp.) were identified during routine site plankton trawls in week 26 and again in week 28, over time the stock on site developed anaemia from blood loss as a result of these bloom events. At the time of inspection, plankton levels had dropped back within a normal range however mortality was still ongoing.

From the physical inspection of the site there were one to two dozen fish observed as lethargic and moribund in each pen. Five fish were removed for diagnostic sampling from pens 1, 2 and 6.

All fish sampled presented lethargic and moribund prior to removal for sampling. The gills of all 5 fish were very pale, with the gills of F2 and F3 appearing slightly zoned and necrotic. Internally, all fish sampled had clear ascites within the body cavities. The liver of F1, F2 and F4 was slightly pale and F2 had a small lesion to the liver. Yellow pseudo-faeces were present within the hind gut of each fish.

Samples

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

Fish number	Facility number	Species	Stage	Origin
F1	6	Atlantic salmon	2022 4.4 Kg	Stofnfiskur
F2	2	Atlantic salmon	2022 4.4 Kg	Stofnfiskur
F3	2	Atlantic salmon	2022 4.4 Kg	Stofnfiskur
F4	1	Atlantic salmon	2022 4.4 Kg	Stofnfiskur
F5	1	Atlantic salmon	2022 4.4 Kg	Stofnfiskur

Results

Bacteriology: Kidney and gill material from F1 – F5 was inoculated onto appropriate media for the isolation of bacteria.

The following bacteria were isolated:

- *Vibrio* sp.: F1, F4 and F5 (Kidney).

The level and purity of this isolate would not suggest that it would be implicated as a primary cause of morbidity.

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

Salmon gill poxvirus

Fish Number	Endogenous control Cp value	Cp Values			Reported Result (PCR)
F1	-	-	-	-	Negative
F2	-	-	-	-	Negative
F3	19.10	33.47	32.87	32.71	POSITIVE
F4	19.43	35.27	36.85	35.34	POSITIVE
F5	19.60	31.95	32.28	32.51	POSITIVE

The samples tested negative for infectious haematopoietic necrosis virus (IHNV), infectious salmon anaemia virus (ISAV), viral haemorrhagic septicemia virus (VHSV), Infectious pancreatic necrosis virus (IPNV), Piscine myocarditis virus (PMCV) and Salmonid alphavirus (SAV).

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

Neoparamoeba perurans (AGD)

Fish Number	Endogenous control Cp value	Cp Values			Reported Result (PCR)
F1	-	-	-	-	Negative
F2	19.99	28.77	28.93	29.00	POSITIVE
F3	19.10	31.40	31.07	31.13	POSITIVE
F4	19.43	32.38	32.18	32.81	POSITIVE
F5	19.60	29.17	29.12	29.12	POSITIVE

Paranucleospora theridion

Fish Number	Endogenous control Cp value	Cp Values			Reported Result (PCR)
F1	20.37	35.32	34.94	35.38	POSITIVE
F2	-	-	-	-	Negative
F3	19.10	34.18	34.47	34.39	POSITIVE
F4	19.43	36.78	34.11	34.07	POSITIVE
F5	19.60	31.04	30.53	30.58	POSITIVE

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

Histopathological examination revealed the following:

Gill: Lamellar hyperplastic branchitis, mild, multifocal (F2-F5), lamellar vascular disturbances (F2-F5). Presence of few amoeboid cells resembling *Neoparamoeba perurans* observed in F2, F5. F4 displayed between gill filaments plankton-like structure. Some aneurysmal dilation/telangiectasia and lamellar congestion and some vascular disturbances observed in all fish. F1 reading hindered by sampling artefacts.

Skin & Muscle: Within normal range.

Heart: Mild, multifocal, myocarditis (F1, F3) and minor necrosis (F5). Some thrombi nests in ventricular chamber. Minor pericarditis (F1, F4).

Gut and pyloric caeca: Marked cell sloughing potentially associated with post-mortem artefact observed in all fish. F2 reading hindered by sampling artefacts.

Liver: Hepatocellular necrosis, mild, multifocal (F1-F4) to coalescence F5, small foci of sinusoidal congestion (F1), cuffing (F1), hepatocellular vacuolation (macrovesicles), mild, diffuse (F2 & F3).

Kidney: Within the normal range.

Spleen: Within the normal range.

Signed:



Date: 22/09/2023

Fish Health Inspector

R09

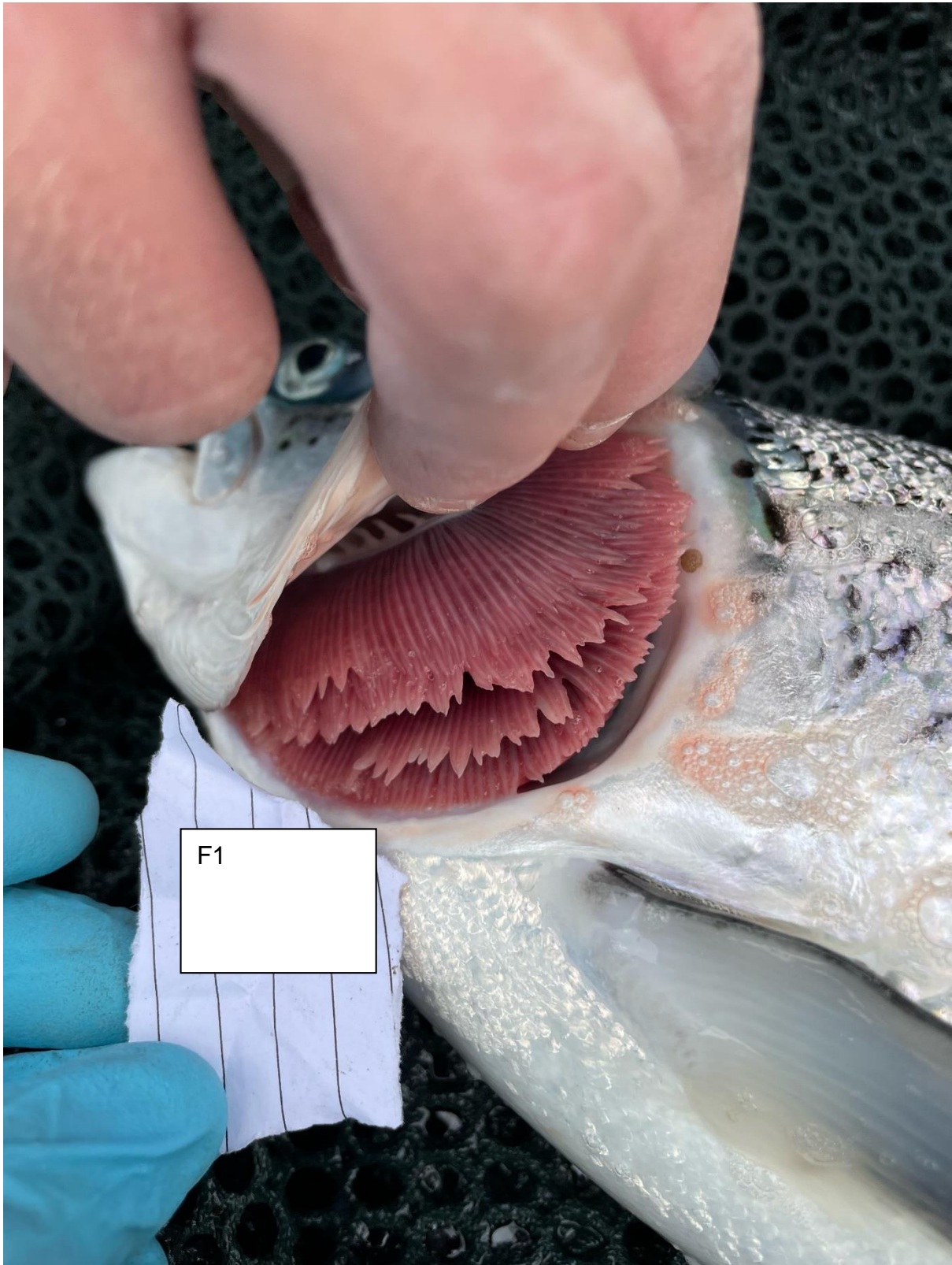
UKAS accredited testing laboratory No. 1964
Marine Laboratory, 375 Victoria Road, Aberdeen, AB11 9DB
Tel - 0131 244 3498 Fax - 0131 244 0944 Email - ms.fishhealth@gov.scot
Website - www.gov.scot/Topics/marine/science

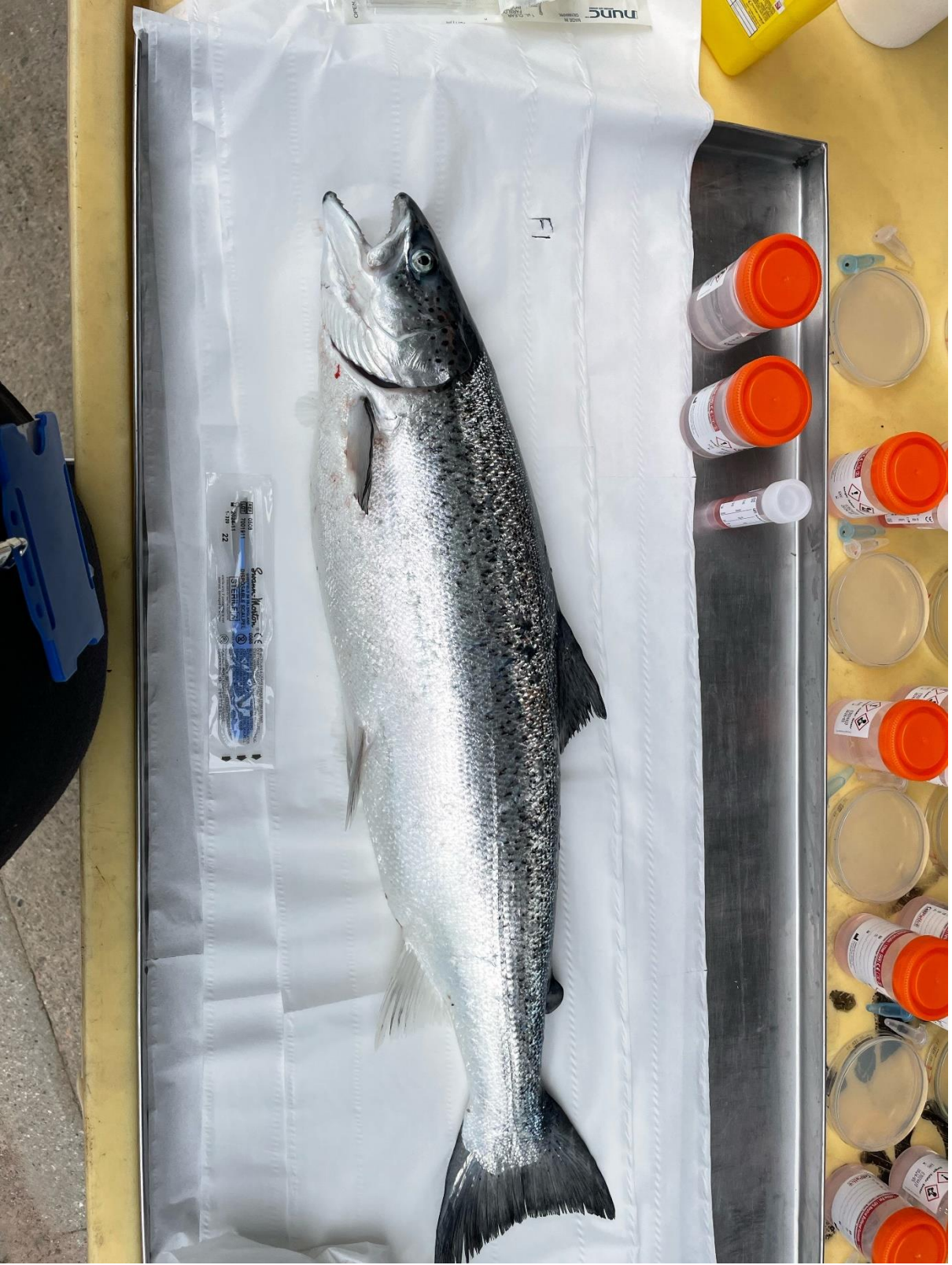
The Fish Health Inspectorate Service Charter detailing standards of service is available on the Scottish Government website at [Fish Health Inspectorate Service Charter - gov.scot \(www.gov.scot\)](http://www.gov.scot/Topics/marine/science/fishhealth)

R09

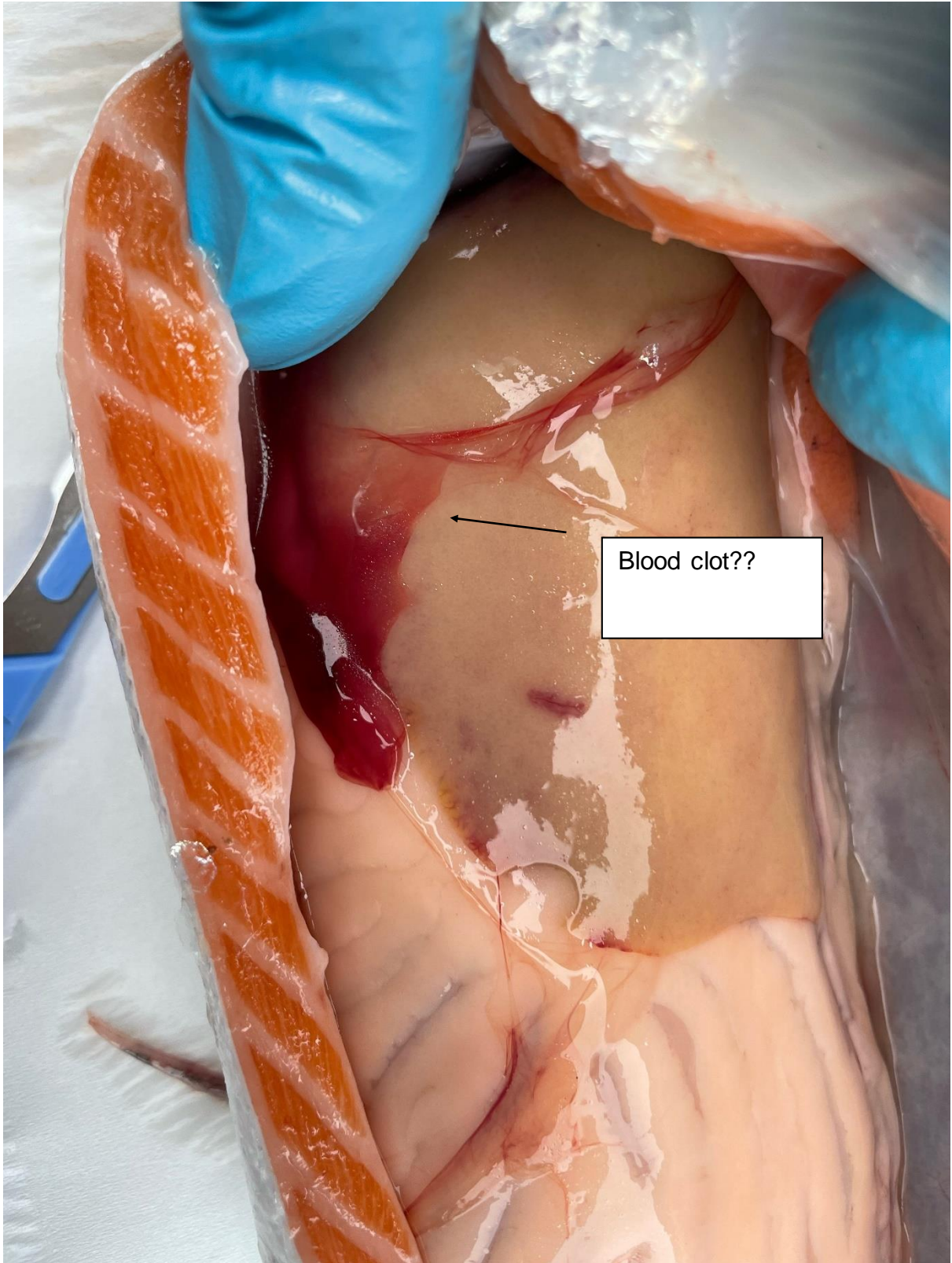
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Website - www.gov.scot/Topics/marine/science

F1









F2



F2

(130-7
8.00
9.00
10.00





Lesion? Extra liver histology taken



F3







F4



F4

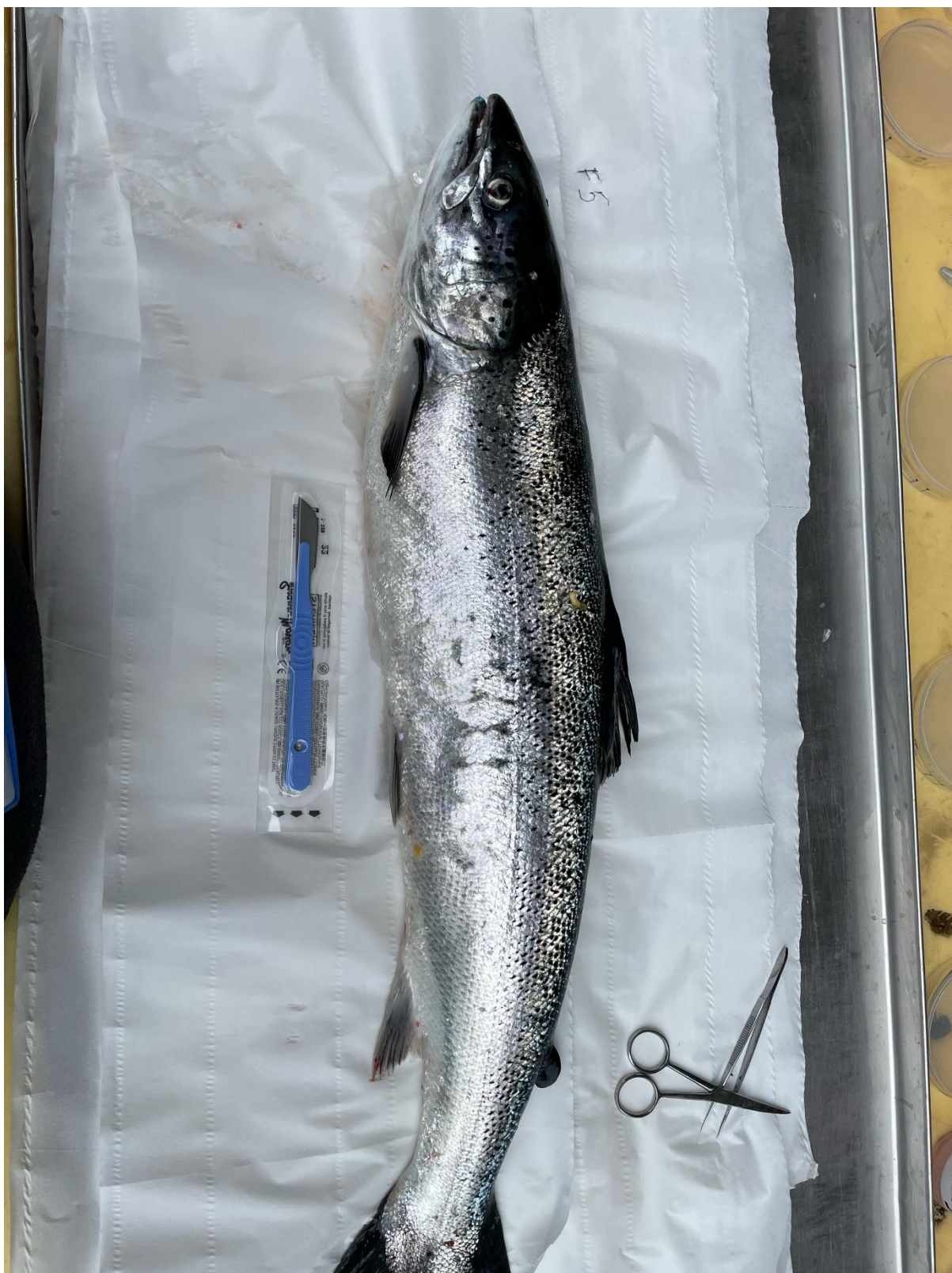


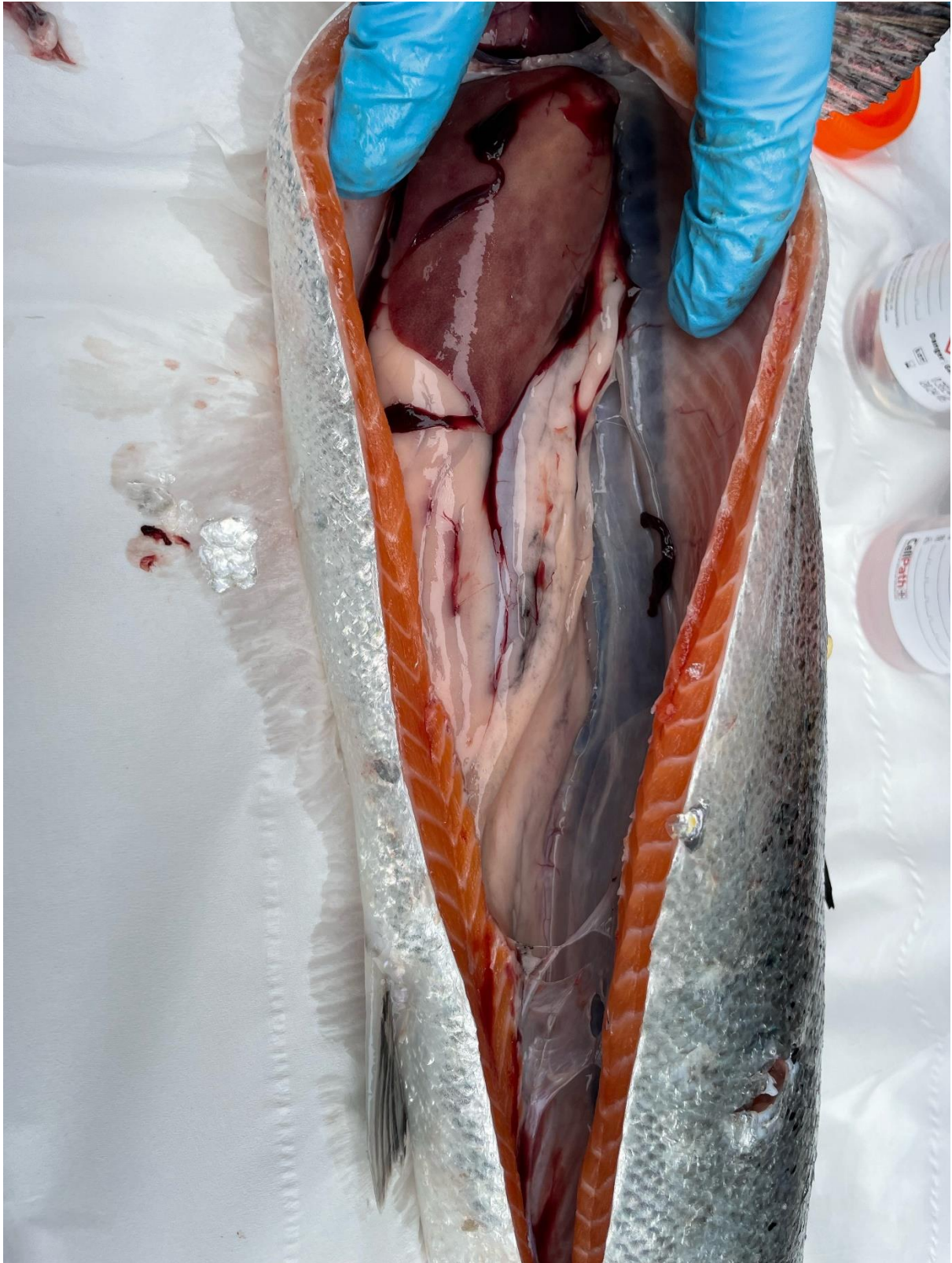


F5



F5





Case No: 2023-0356 Date of visit: 09/08/2023

Time spent on site: 4 Hours Main Inspector:

Site No: FS0804 Site Name: Kishorn B (North)

Business No: FB0125 Business Name: Scottish Sea Farms Ltd

Case Types: 1 DIA 2 REP 3 4 5 6

Water Temp (°C): 14.1 Thermometer No: Site FHI 045 completed N/A

Observations: Region: HI Water type: S CoGP MA: M-19

Dead/weak/abnormally behaving fish present? Y If yes, see additional information/clinical score sheet.

Clinical signs of disease observed? Y If yes, see additional information/clinical score sheet.

Gross pathology observed? Y If yes, see additional information/clinical score sheet.

Diagnostic samples taken? Y

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

N/a

Additional Case Information:

In week 26 the site identified a large increase in numbers of micro jelly fish (Obelia) whilst conducting routine plankton checks which resulted in acute gill damage leading to an initial spike in mortality in week 26. The levels of mortality reduced in wk 27 following a reduction in plankton levels that week however mortality began to spike again in week 28 to present as a large population have developed very pale gills (anaemia from blood loss) following the initial insult which is causing on-going higher mortality. Plankton levels are currently low. The site are currently undergoing targeted harvests to reduce biomass.

Site inspected in a calm sea state, sun and little cloud cover which allowed for good visibility of the stock. From the physical inspection of the site, the visible population of SAL appeared lethargic and slow moving in all pens. Some weaker, moribund fish were observed resting against the net walls with strong operculum movement observed. Pens 2 and 5 appeared to be in the poorest condition in relation to fish health, 2 fish from each pen was removed for diagnostic sampling. One fish in cage 8 was observed hanging vertically which was also removed for sampling.

Only 6 pens remained stocked at Kishorn North, the site has been moved up in order of priority on the companies harvest plan and is now planned to fallow by the 18th August.

Site thermometer was used to record the water temperature as T309 was faulty.

Site is positive for AGD, last health check conducted in week 30.

Cleanerfish mortality : Week 31 - Week 28 : Wrasse : 2.33% 330 fish. Lumpfish Week 31 - 28 : 1.7% 619 fish.

Case No: Site No:

Date of Visit: Inspector(s):

Registration/Authorisation Details

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

2. Changes made to details?

Site Details (include cleaner fish for all sections)

Total No facilities	<input type="text" value="10"/>	Facilities stocked	<input type="text" value="6"/>	No facilities inspected	<input type="text" value="10"/>
Species	<input type="text" value="SAL"/>	<input type="text" value="LUMP"/>	<input type="text" value="WRS"/>		
Age group	<input type="text" value="2022"/>	<input type="text" value="2023"/>	<input type="text" value="2023"/>		
No Fish	<input type="text" value="199,932"/>	<input type="text" value="27,800"/>	<input type="text" value="12,000"/>		
Mean Fish Wt	<input type="text" value="4.65kg"/>	<input type="text" value="120g"/>	<input type="text" value="150g"/>		
Next Fallow Date (Site)	<input type="text" value="August 2023"/>		Next Input Date (Site)	<input type="text" value="December 2023"/>	
Recent (last 4 wks) disease problems?			<input type="text" value="Y"/>	Any escapes (since last visit)?	<input type="text" value="N"/>
If yes, detail:	<input type="text" value="CGD"/>				

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:	Benzocaine	
If other, detail:	N/a	
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)?	Benzocaine	
If other, detail:	N/a	
6. Are medicines stored appropriately?	<input type="checkbox"/>	Y

Biosecurity Records

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

Results of Surveillance

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

See additional info	<input type="text"/>
Records checked between:	17/07/23 - 09/08/2023

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

Priority samples: VI BA PA MG HI

Time sampling starts/ends: Inspector: VMD No.

Environmental conditions: 1 2 3 4 5

Summary samples HIST BA MG VI PA Total Samples

Add Fish/Pools - click

Pool/Fish No	F1	F2	F3	F4	F5							
Fish nos	1	2	3	4	5							
Pool Group												
Species	SAL	SAL	SAL	SAL	SAL							
Average weight	4.6kg	4.6kg	2.5kg	7kg	4.6kg							
Sex	N/A	N/A	N/A	N/A	N/A							
Water Type	SW	SW	SW	SW	SW							
Stock Details		Stofnfiskur	Stofnfiskur	Stofnfiskur	AquaGen	AquaGen						
	Stock Origin											
Facility No	5	5	8	2	2							

Case no: 2023-0356

Site No: FS0804

Method of killing:

Date of visit: 09/08/2023

Inspector(s):

Sheet Relevant: Y

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

Fish Number		F1	F2	F3	F4	F5				
Time sampled after death (if > 45 minutes)					5	15				
External Signs										
Behaviour	Moribund	S	S	S	S	S				
	Lethargic	S	S	S	S	S				
	Hanging vertical					S				
	Spiralling									
	Flashing									
	Loss of equilibrium									
Body	Dark			W						
	Distended abdomen									
	Anorexic			M						
	Scale Oedema									
Opercula	Shortened				W	W				
	Flared									
Haemorrhaging	Throat									
	Ventrum				W					
	Base of fins									
	Elsewhere									
Eyes	Exophthalmic									
	Enophthalmic (sunken)									
	Cataract									
	Haemorrhagic									
Gills	Pale	M	S	M	W	W				
	Zoned									
	Necrotic									
Lesions	Flank									
	Elsewhere									
Vent	Inflamed									
	Trailing faeces									
Lice Load	Estimate numbers	12	17	9	19	21				
Internal Signs										
Ascites	Clear	W	W		W					
	Bloody	M	M		W					
Oedema	In tissues									
Heart	Pale/anaemic									
	Granulomas									
	Deformed									
Liver	Petechial haem				S					
	Gross haem									
	Tissue breakdown									
	Enlarged									
	Colour number(s)	3	3	3	6	5				
	Granulomas									
	Lesions									
Pyloric caeca	Petechial haem									
	Tubules mauve									
	Lack of fat									
Spleen	Enlarged				S					
	Granulomas									
Gut	No food present	S	S	M	W	W				
	Yellow pseudo-faeces									
	External haem									
	Internal haem				S					
Body wall	Haemorrhaging									
Swim bladder	Haemorrhaging									
	Fluid filled									
Kidney	Swollen									
	Grey									
	Granular									
	Liquefied									
General	Parasites present									
	Anaemia									

Additional comments:

Site No: FS0804
Case No: 2023-0356
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	FB0125	DATE OF VISIT	09/08/2023
SITE No	FS0804	SITE NAME	Kishorn B (North)
CASE No	20230356	INSPECTOR	[REDACTED]

Section 1: Summary

The above site was inspected following reports of increased mortality by the farm operator. During the physical inspection of the site, five fish were removed for diagnostic sampling.

Histopathological examination revealed features consistent with mild, multifocal, hyperplastic bronchitis, amoebic gill disease confirmed by qPCR. The presence of some epitheliocystis. Hepatocellular necrosis and necrotising splenitis was also observed. Mild myocarditis observed could be associated with the presence of piscine myocarditis virus (PMCV) confirmed by qPCR.

Vibrio sp. was identified on plates taken from kidney material of F4 and F5 and from plates taken from gill material of all 5 fish. A second *Vibrio* sp. was identified on plates taken from kidney material of F4 and F5. The level and purity of growth observed would not suggest these bacteria would be implicated in morbidity.

Five fish tested positive for *Neoparamoeba perurans* and *Paranucleospora theridion* by qPCR, four fish tested positive for salmon gill poxvirus (SGPV) and two fish tested positive for PMCV.

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

Section 2: Case Detail

Observations

The site was inspected following reports of prolonged increased mortality by the farm operator. At the time of visit the site was stocked with 199,932 Atlantic salmon at an average weight of 4.65kg.

A large increase in numbers of micro jelly fish (*Obelia* sp.) were identified during routine site plankton trawls in week 26 and again in week 28, over time the stock on site developed anaemia from blood loss as a result of these bloom events. At the time of inspection plankton levels had dropped back within a normal range, however mortality was still ongoing.

From the physical inspection of the site, the visible population of Atlantic salmon appeared lethargic and slow moving in all pens. Some weaker, moribund fish were observed resting against the net walls with strong operculum movement observed. Fish in pens 2 and 5 appeared to be in the poorest condition in relation to fish health, two fish from each pen were removed for diagnostic sampling. One fish in cage 8 was observed hanging vertically which was also removed for sampling.

All fish sampled presented lethargic and moribund prior to removal for sampling. Externally all five fish had between 10 – 20 lice present of all stages. F4 and F5 had shortened opercula and F4 also presented anorexic and was dark to the body. The gills of all five fish were very pale.

Internally, F1, F2 and F3 had clear and bloody asities present within the body cavity. F4 had an enlarged spleen, and some petechial haemorrhaging was observed on the liver. No food was present in the gut of all five fish sampled.

Samples

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

Fish number	Facility number	Species	Stage	Origin
F1	5	Atlantic salmon	2022	Stofnfiskur
F2	5	Atlantic salmon	2022	Stofnfiskur
F3	8	Atlantic salmon	2022	Stofnfiskur
F4	2	Atlantic salmon	2022	AquaGen
F5	2	Atlantic salmon	2022	AquaGen

Results

Bacteriology: Kidney and gill material from F1 – F5 was inoculated onto appropriate media for the isolation of bacteria.

The following bacteria were isolated:

- *Vibrio* spp.: F4 and F5 (Kidney), F1 – F5 (Gill).

The level and purity of this isolate would not suggest that it would be implicated as a primary cause of morbidity.

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

Salmon gill poxvirus

Fish Number	Endogenous control Cp value	Cp Values			Reported Result (PCR)
F1	21.45	29.29	29.39	29.46	POSITIVE
F2	21.30	34.17	35.34	35.04	POSITIVE
F3	21.22	31.98	32.07	31.93	POSITIVE
F4	-	-	-	-	Negative
F5	21.37	27.01	27.01	27.03	POSITIVE

Piscine myocarditis virus (PMCV)

Fish Number	Endogenous control Cp value	Cp Values			Reported Result (PCR)
F1	-	-	-	-	Negative
F2	-	-	-	-	Negative
F3	-	-	-	-	Negative
F4	17.46	20.71	20.72	20.96	POSITIVE
F5	16.87	24.61	24.74	24.76	POSITIVE

The samples tested negative for infectious haematopoietic necrosis virus (IHNV), infectious salmon anaemia virus (ISAV), viral haemorrhagic septicemia virus (VHSV), Infectious pancreatic necrosis virus (IPNV) and Salmonid alphavirus (SAV).

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

Neoparamoeba perurans (AGD)

Fish Number	Endogenous control Cp value	Cp Values			Reported Result (PCR)
F1	21.45	30.77	30.67	30.76	POSITIVE
F2	21.30	28.80	28.79	28.83	POSITIVE
F3	21.22	28.45	28.55	28.54	POSITIVE
F4	21.72	32.62	32.35	31.90	POSITIVE
F5	21.37	31.00	30.97	30.90	POSITIVE

Paranucleospora theridion

Fish Number	Endogenous control Cp value	Cp Values			Reported Result (PCR)
F1	20.05	32.86	32.95	33.12	POSITIVE
F2	20.13	35.55	35.57	35.57	POSITIVE
F3	19.90	31.52	31.86	31.84	POSITIVE
F4	20.05	33.30	33.80	33.61	POSITIVE
F5	19.53	32.28	32.29	32.88	POSITIVE

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

Histopathological examination revealed the following:

Gill: Lamellar hyperplastic branchitis, mild to moderate, multifocal (F2-F4), lamellar vascular disturbances (F2-F4). Presence of few amoeboid cells resembling *Neoparamoeba perurans* observed in F3 and few basophilic epithelial inclusions (likely epitheliocystis) F1. Some aneurysmal dilation/telangiectasia and free blood among gill filaments (F2). F5 reading hindered by sampling artefacts.

Skin & Muscle: Within normal range.

Heart: Mild, multifocal, myocarditis (F4). Some thrombi nests in ventricular chamber (F3). Minor pericarditis (F1, F2, F5). F3 no atrium in section.

Gut and pyloric caeca: Some cell sloughing potentially associated with post-mortem artefact observed in F1, F4, F5. F5 almost no pyloric caeca present.

Pancreas: Within the normal range.

Liver: Hepatocellular necrosis, mild, multifocal to coalescence F3, F5, cuffing (F1, F4), hepatocellular vacuolation (macrovesicles), mild, diffuse (F1, F2, F4).

Kidney: Slight increase of melanomacrophages (F3), presence of hyaline droplets on the epithelium of few renal tubules (F4). Foci of interstitial cell (haemopoietic) reduction (F5).

Spleen: Necrotising splenitis, multifocal, mild to moderate (F2 & F5) and slightly congested (F5). F1: Spleen not present.

Signed:



Date: 22/09/2023

Fish Health Inspector

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

F1







F2







F3



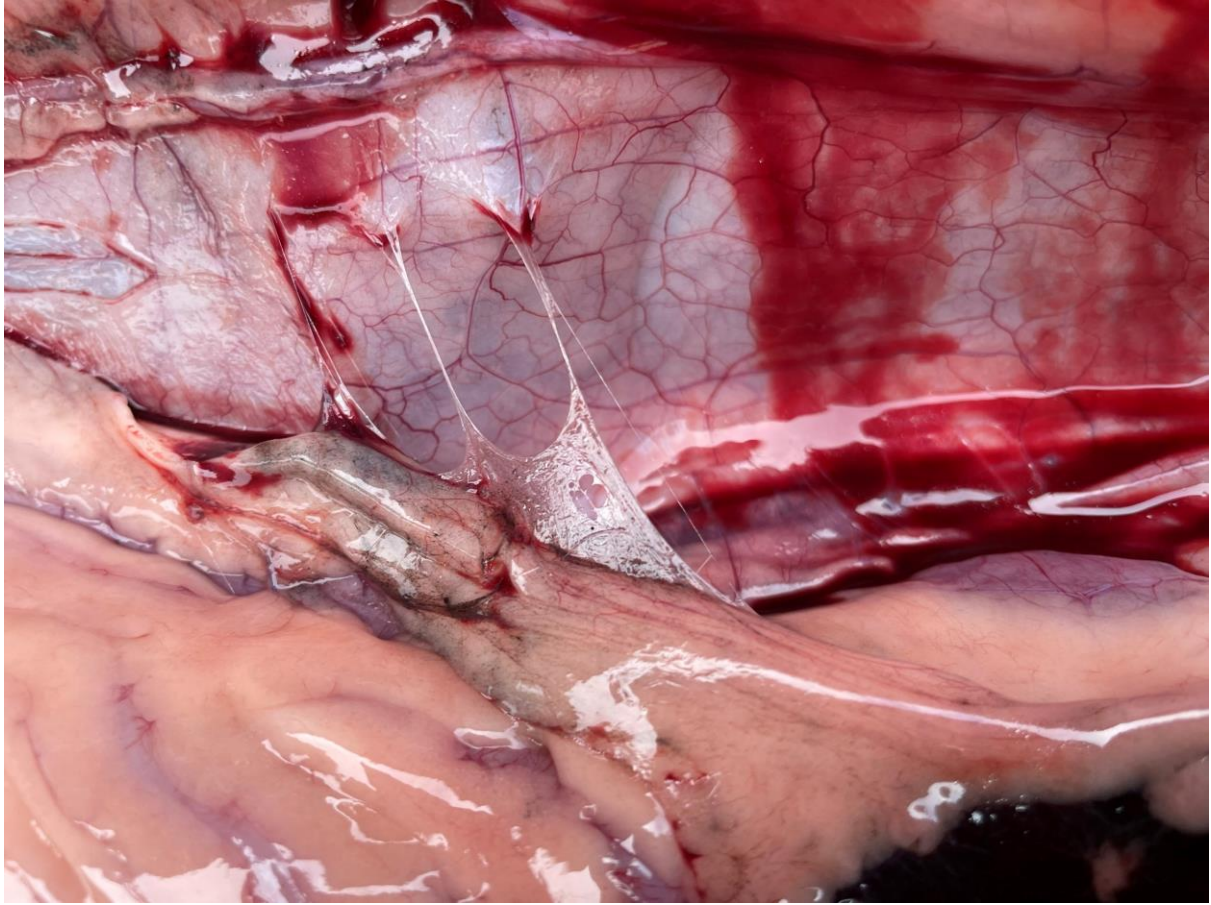


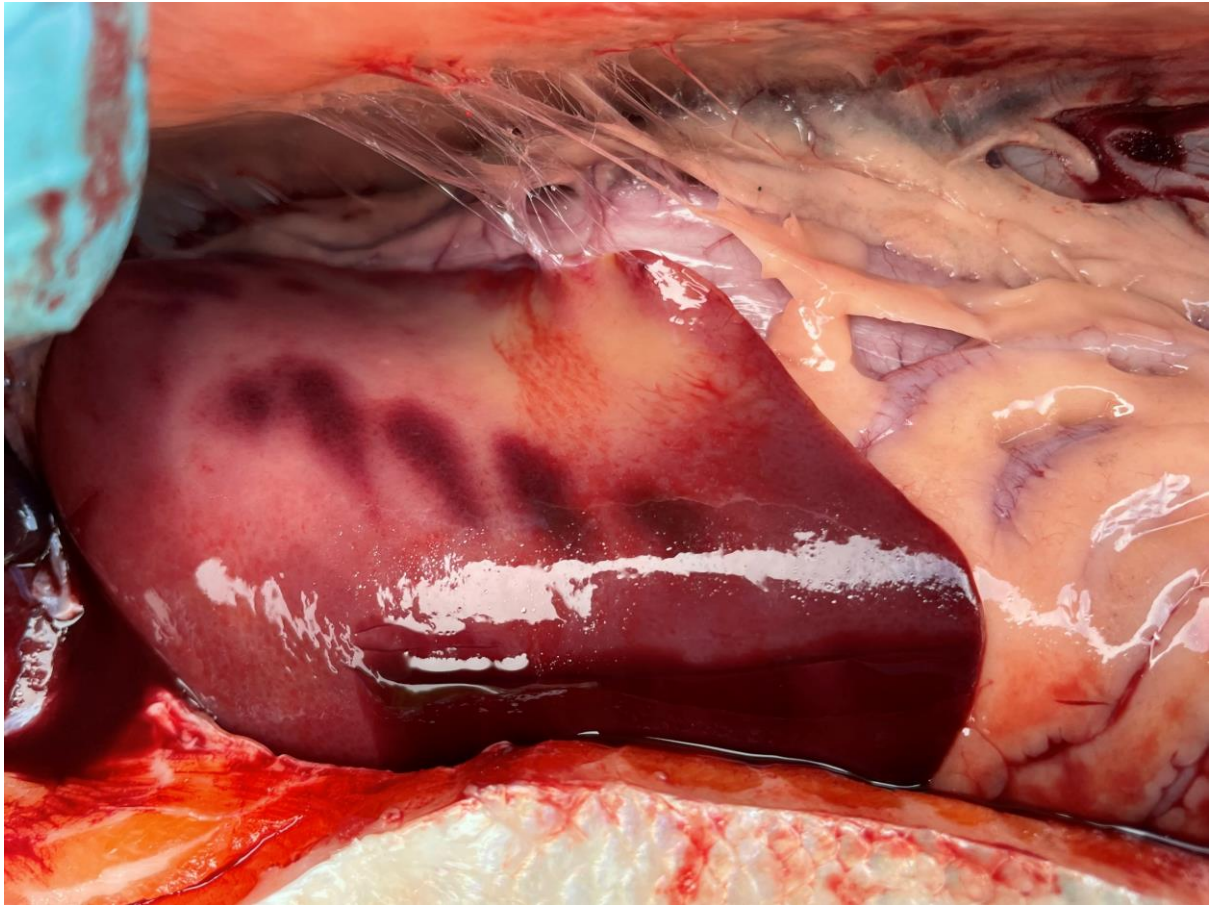


F4









F5





SWANN MORTON LIMITED
PH 0 56 281 ENGL
-ton.c

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: SH Water type: S CoGP MA

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

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

Additional Case Information:

Paperwork carried out by [REDACTED] (30/08/2023) site inspection carried out by [REDACTED] (30/08/2023). First site inspection. Registered February 2023.

Site well maintained. Some fouling on lines, however this does not appear to be causing any issues.

Case No: **2023-0384** Site No: **SS0968**
 Date of Visit: **30/08/2023** Inspector(s): **[REDACTED]**

Registration/Authorisation Details

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

Site Details (include cleaner fish for all sections)

Total No facilities	5	Facilities stocked	5	No facilities inspected	5
Species	MED				
Age group	2023				
No Fish	5 lines				
Mean Fish Wt	~5-10mm				
Next Fallow Date (Site)	Never fallow	Next Input Date (Site)		Natural spat collection	
Recent (last 4 wks) disease problems?		N	Any escapes (since last visit)?		N/A
If yes, detail:	[REDACTED]				

Movement Records

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

Transport Records

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

Mortality Records

- 1. Mortality records available for inspection? **Y**
- 2. How are mortalities disposed of? **Other (detail)**
- If other detail: **Empty shells to sea bed**
- 3. Mortality records complete and correctly entered? **Y**
- 4. Recent mortality (last 4 wks): **No increased mortality observed**
- 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/A**
- If yes, detail: **[REDACTED]**
- 7. Have increased (unexplained) mortalities been reported to vet or FHI? **N/A**
- If yes, detail action: **[REDACTED]**
- 8. Have 'mortality events' been reported to FHI? If no, 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:	<input type="text"/>	First inspection	<input type="text"/>
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Case Number:	2023-0384	Site No:	SS0968		
Date of Visit	30/08/2023	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		0
	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	10
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	0
Movements off	Frequency of movements off <u>within</u> MSS Management Areas	0	1	2	0
	Frequency of movements off <u>outwith</u> MSS Management Areas	0	3	6	0
	Number of destinations	0	3	6	0
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	2
	Sites sharing staff and equipment	0	1	5	5
			Yes	No	
	Disinfection of equipment between sites, use of footbaths etc		0	2	2
				Total Risk	22 MEDIUM



FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS No	SB0430	DATE OF VISIT	30/08/2023
SITE No	SS0968	SITE NAME	Bight of Breawick
CASE No	20230384	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 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 animal health surveillance had been carried out on behalf of the business and/or Marine Directorate since the last Marine Directorate inspection.

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

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

Signed:

[REDACTED]

Fish Health Inspector

Date: 06/11/2023

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

Case No:	<input type="text" value="2023-0385"/>	Date of visit:	<input type="text" value="30/08/2023"/>			
Time spent on site:	<input type="text" value="1 hour"/>	Main Inspector:	<input type="text" value=""/>			
Site No:	<input type="text" value="SS0723"/>	Site Name:	<input type="text" value="Treawick"/>			
Business No:	<input type="text" value="SB0465"/>	Business Name:	<input type="text" value="Suthra Voe Shellfish"/>			
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="13.1"/>	Thermometer No:	<input type="text" value="T306"/>	FHI 045 completed	<input type="text" value=""/>	
Observations:	Region:	SH	Water type:	S	CoGP MA	
Dead/weak/abnormally behaving fish present?	<input type="text" value="N"/>	If yes, see additional information/clinical score sheet.				
Clinical signs of disease observed?	<input type="text" value="N"/>	If yes, see additional information/clinical score sheet.				
Gross pathology observed?	<input type="text" value="N"/>	If yes, see additional information/clinical score sheet.				
Diagnostic samples taken?	<input type="text" value="N"/>					

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

Additional Case Information:

Limited fowling. Overall site appeared well maintained and tidy, with good spatfall.

Site inspection carried out by [REDACTED] (30/08/2023), paperwork completed by [REDACTED] (30/08/2023)

Case No: Site No:

Date of Visit: Inspector(s):

Registration/Authorisation Details

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

2. Changes made to details?

Site Details (include cleaner fish for all sections)

Total No facilities	<input type="text" value="3"/>	Facilities stocked	<input type="text" value="3"/>	No facilities inspected	<input type="text" value="3"/>
Species	<input type="text" value="MED"/>				
Age group	<input type="text" value="Mix"/>				
No Fish	<input type="text" value="3 lines"/>				
Mean Fish Wt	<input type="text" value="Mix"/>				
Next Fallow Date (Site)	<input type="text" value="No plans"/>	Next Input Date (Site)	<input type="text" value="Natural spat fall"/>		
Recent (last 4 wks) disease problems?		<input type="text" value="N"/>			<input type="text" value="N/A"/>
If yes, detail:	<input type="text" value=""/>				

Movement Records

1. Movement records available for inspection?

2. Date of last inspection:

3. Are records complete and correctly entered?

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

5. Are records complete and correctly entered?

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

Transport Records

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

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

Mortality Records

1. Mortality records available for inspection?

2. How are mortalities disposed of?

If other detail:

3. Mortality records complete and correctly entered?

4. Recent mortality (last 4 wks):

5. Evidence of recent increased/atypical mortalities?

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

6. Any other peaks in mortality during period checked?

If yes, detail:

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

If yes, detail action:

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

Treatments and Medicines Records

1. Recent treatments (see comment)?	<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:	05/11/2018 - 30/08/2023
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Case Number:	2023-0385	Site No:	SS0723		
Date of Visit	30/08/2023	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		0
	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	10
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	0
Movements off	Frequency of movements off <u>within</u> MSS Management Areas	0	1	2	0
	Frequency of movements off <u>outwith</u> MSS Management Areas	0	3	6	0
	Number of destinations	0	3	6	0
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	2
	Sites sharing staff and equipment	0	1	5	5
			Yes	No	
	Disinfection of equipment between sites, use of footbaths etc		0	2	2
				Total Risk	22 MEDIUM



FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS No	SB0465	DATE OF VISIT	30/08/2023
SITE No	SS0723	SITE NAME	Treawick
CASE No	20230385	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 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 animal health surveillance had been carried out on behalf of the business and/or Marine Directorate since the last Marine Directorate inspection.

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

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

Signed: [REDACTED]

Fish Health Inspector

Date: 06/11/2023

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Case No: 2023-0386 Date of visit: 30/08/2023

Time spent on site: 1 hour Main Inspector:

Site No: SS0500 Site Name: Suthra Voe
Business No: SB0465 Business Name: Suthra Voe Shellfish

Case Types: 1 ECI 2 3 4 5 6

Water Temp (°C): 12.9 Thermometer No: T306 FHI 045 completed

Observations: Region: SH Water type: S CoGP MA

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

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

Additional Case Information:

Site well maintained. Some fouling on lines, however this does not appear to be causing any issues.

Paperwork carried out by [REDACTED] (30/08/2023) site inspection carried out by [REDACTED] (30/08/2023)

Case No: Site No:

Date of Visit: Inspector(s):

Registration/Authorisation Details

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

2. Changes made to details?

Site Details (include cleaner fish for all sections)

Total No facilities	<input type="text" value="5"/>	Facilities stocked	<input type="text" value="5"/>	No facilities inspected	<input type="text" value="5"/>
Species	<input type="text" value="MED"/>				
Age group	<input type="text" value="Mix"/>				
No Fish	<input type="text" value="5 lines"/>				
Mean Fish Wt	<input type="text" value="10-30mm"/>				
Next Fallow Date (Site)	<input type="text" value="Never fallow"/>	Next Input Date (Site)	<input type="text" value="Natural spat fall"/>		
Recent (last 4 wks) disease problems?	<input type="text" value="N"/>		Any escapes (since last visit)?	<input type="text" value="N/A"/>	
If yes, detail:	<input type="text" value=""/>				

Movement Records

1. Movement records available for inspection?

2. Date of last inspection:

3. Are records complete and correctly entered?

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

5. Are records complete and correctly entered?

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

Transport Records

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

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

Mortality Records

1. Mortality records available for inspection?

2. How are mortalities disposed of?

If other detail:

3. Mortality records complete and correctly entered?

4. Recent mortality (last 4 wks):

5. Evidence of recent increased/atypical mortalities?

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

6. Any other peaks in mortality during period checked?

If yes, detail:

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

If yes, detail action:

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

Treatments and Medicines Records

1. Recent treatments (see comment)?	<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:	<input type="text" value="05/11/2018- 30/08/2023"/>
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Case Number:	2023-0386	Site No:	SS0500		
Date of Visit	30/08/2023	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	0	
	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	10
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	0
Movements off	Frequency of movements off <u>within</u> MSS Management Areas	0	1	2	0
	Frequency of movements off <u>outwith</u> MSS Management Areas	0	3	6	0
	Number of destinations	0	3	6	0
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	2
	Sites sharing staff and equipment	0	1	5	5
			Yes	No	
	Disinfection of equipment between sites, use of footbaths etc		0	2	2
Total Risk					
					22
					MEDIUM



FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS No	SB0465	DATE OF VISIT	30/08/2023
SITE No	SS0500	SITE NAME	Suthra Voe
CASE No	20230386	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 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 animal health surveillance had been carried out on behalf of the business and/or Marine Directorate since the last Marine Directorate inspection.

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

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

Signed:

[REDACTED]

Fish Health Inspector

Date: 06/11/2023

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Scottish Government website at [Fish Health Inspectorate Service Charter - gov.scot \(www.gov.scot\)](http://www.gov.scot/resources/documents/2015/06/Fish_Health_Inspectorate_Service_Charter_-_gov.scot.pdf)

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: SH Water type: S CoGP MA

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

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

Additional Case Information:

Conditions of stock on site appeared good. Some fowling, but minimal.

Paperwork completed by [REDACTED] (30/08/2023), site inspection carried out by [REDACTED] (30/08/2023).

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

Registration/Authorisation Details

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

Site Details (include cleaner fish for all sections)

Total No facilities	<input type="text" value="4"/>	Facilities stocked	<input type="text" value="4"/>	No facilities inspected	<input type="text" value="4"/>
Species	<input type="text" value="MED"/>				
Age group	<input type="text" value="Mix"/>				
No Fish	<input type="text" value="4 lines"/>				
Mean Fish Wt	<input type="text" value="10-30mm"/>				
Next Fallow Date (Site)	<input type="text" value="Never fallow"/>	Next Input Date (Site)	<input type="text" value="Natural spat fall"/>		
Recent (last 4 wks) disease problems?	<input type="text" value="N"/>		Any escapes (since last visit)?	<input type="text" value="N/A"/>	
If yes, detail:	<input type="text"/>				

Movement Records

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

Transport Records

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

Mortality Records

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

 6. Any other peaks in mortality during period checked?
 If yes, detail:
 7. Have increased (unexplained) mortalities been reported to vet or FHI?
 If yes, detail action:
 8. Have 'mortality events' been reported to FHI? If no, enter details on mortality events sheet.

Treatments and Medicines Records

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

Biosecurity Records

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

Results of Surveillance

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

Records checked between:	<input type="text" value="05/11/2022 - 30/08/23"/>
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Case Number:	2023-0387	Site No:	SS0526		
Date of Visit	30/08/2023	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	0	
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	10
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	0
Movements off	Frequency of movements off <u>within</u> MSS Management Areas	0	1	2	0
	Frequency of movements off <u>outwith</u> MSS Management Areas	0	3	6	6
	Number of destinations	0	3	6	6
Management practices					
		None	Secure (effluent treatment)	Unsecure (no effluent treatment)	
Water contacts with depuration facilities	Depuration of stock from own sites within MSS management area	0	1	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	1
	Sites sharing staff and equipment	0	1	5	1
		Yes No			
	Disinfection of equipment between sites, use of footbaths etc	0	2	2	
Total Risk				29	
Total Risk				MEDIUM	



FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS No	SB0337	DATE OF VISIT	30/08/2023
SITE No	SS0526	SITE NAME	Grink Holm
CASE No	20230387	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 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 animal health surveillance had been carried out on behalf of the business and/or Marine Directorate since the last Marine Directorate inspection.

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

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

Signed:

[REDACTED]

Fish Health Inspector

Date: 06/11/2023

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Scottish Government website at [Fish Health Inspectorate Service Charter - gov.scot \(www.gov.scot\)](http://www.gov.scot/resources/consultations-policies/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: SH Water type: S CoGP MA

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

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

Additional Case Information:

Site inspection completed by [REDACTED] on 30/08/2023. Paperwork completed by [REDACTED] 30/08/2023

No issues observed, limited fouling on lines and site was well maintained.

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="6"/>	Facilities stocked	<input type="text" value="6"/>	No facilities inspected	<input type="text" value="6"/>
Species	<input type="text" value="MED"/>				
Age group	<input type="text" value="2020"/>				
No Fish	<input type="text" value="300 T"/>				
Mean Fish Wt	<input type="text" value="55 mm"/>				
Next Fallow Date (Site)	<input type="text" value="No Plan"/>		Next Input Date (Site)	<input type="text" value="August 2023"/>	
Recent (last 4 wks) disease problems?	<input type="text" value="N"/>		Any escapes (since last visit)?	<input type="text" value="N"/>	
If yes, detail:	<input type="text" value=""/>				

Movement Records

1. Movement records available for inspection?

2. Date of last inspection:

3. Are records complete and correctly entered?

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

5. Are records complete and correctly entered?

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

Transport Records

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

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

Mortality Records

1. Mortality records available for inspection?

2. How are mortalities disposed of?

If other detail:

3. Mortality records complete and correctly entered?

4. Recent mortality (last 4 wks):

5. Evidence of recent increased/atypical mortalities?

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

6. Any other peaks in mortality during period checked?

If yes, detail:

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

If yes, detail action:

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

Treatments and Medicines Records

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

Biosecurity Records

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

Results of Surveillance

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

Records checked between:	05/11/2018 - 30/08/2023
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Case Number:	2023-0401	Site No:	SS0541		
Date of Visit	30/08/2023	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	0	
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	10
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	0
Movements off	Frequency of movements off <u>within</u> MSS Management Areas	0	1	2	0
	Frequency of movements off <u>outwith</u> MSS Management Areas	0	3	6	6
	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	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	1
	Sites sharing staff and equipment	0	1	5	1
		Yes No			
	Disinfection of equipment between sites, use of footbaths etc	0	2		2
Total Risk				26	
				MEDIUM	



FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS No	SB0430	DATE OF VISIT	30/08/2023
SITE No	SS0541	SITE NAME	North of Linga, Vaila Sound
CASE No	20230401	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 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 animal health surveillance had been carried out on behalf of the business and/or Marine Directorate since the last Marine Directorate inspection.

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

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

Signed: [REDACTED]

Fish Health Inspector

Date: 06/11/2023

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Case No: 2023-0402 Date of visit: 30/08/2023

Time spent on site: 1 hour Main Inspector:

Site No: SS0652 Site Name: Riskness
Business No: SB0447 Business Name: SI Seafarms Ltd

Case Types: 1 ECI 2 3 4 5 6

Water Temp (°C): 13.2 Thermometer No: T306 FHI 045 completed

Observations: Region: SH Water type: S CoGP MA

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

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

Additional Case Information:

Site in good condition. Some fowling on lines, but overall, good growth and stock in good condition.

Site inspection carried out by [REDACTED] 30/08/2023, paperwork by [REDACTED] 30/08/2023

Case No: Site No:

Date of Visit: Inspector(s):

Registration/Authorisation Details

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

2. Changes made to details?

Site Details (include cleaner fish for all sections)

Total No facilities	<input type="text" value="3"/>	Facilities stocked	<input type="text" value="3"/>	No facilities inspected	<input type="text" value="3"/>
Species	<input type="text" value="MED"/>				
Age group	<input type="text" value="Mix"/>				
No Fish	<input type="text" value="3 lines"/>				
Mean Fish Wt	<input type="text" value="10-30mm"/>				
Next Fallow Date (Site)	<input type="text" value="never fallow"/>	Next Input Date (Site)	<input type="text" value="Natural spat fall"/>		
Recent (last 4 wks) disease problems?	<input type="text" value="N"/>		Any escapes (since last visit)?	<input type="text" value="N/A"/>	
If yes, detail:	<input type="text" value=""/>				

Movement Records

1. Movement records available for inspection?

2. Date of last inspection:

3. Are records complete and correctly entered?

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

5. Are records complete and correctly entered?

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

Transport Records

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

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

Mortality Records

1. Mortality records available for inspection?

2. How are mortalities disposed of?

If other detail:

3. Mortality records complete and correctly entered?

4. Recent mortality (last 4 wks):

5. Evidence of recent increased/atypical mortalities?

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

6. Any other peaks in mortality during period checked?

If yes, detail:

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

If yes, detail action:

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

Treatments and Medicines Records

1. Recent treatments (see comment)?	<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) mortality</i> at the site been included?	<input type="checkbox"/>	Y
4. Has the action that will be taken in the event that the presence or suspicion of the presence of a listed disease is detected been included and <i>how</i> and <i>when</i> that will be notified to Scottish Ministers?	<input type="checkbox"/>	Y
5. Has the health status of aquaculture animals being stocked on the farm site been covered (equal or higher health status, certification if required)?	<input type="checkbox"/>	Y
6. Have the husbandry and biosecurity measures implemented between each epidemiological unit to minimise transmission of disease been covered (movement of staff, visitors, equipment, live or dead fish etc.)?	<input type="checkbox"/>	Y
7. Is documentation available regarding the measures in place to maintain the physical containment of aquaculture animals held on site?	<input type="checkbox"/>	Y
8. Have the biosecurity procedures been adequately implemented on site?	<input type="checkbox"/>	Y
If no, detail:	<input type="text"/>	

Results of Surveillance

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

Records checked between:	<input type="text" value="05/11/2018 - 30/08/2023"/>
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Case Number:	2023-0402	Site No:	SS0652		
Date of Visit	30/08/2023	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		0
	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	10
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	0
Movements off	Frequency of movements off <u>within</u> MSS Management Areas	0	1	2	0
	Frequency of movements off <u>outwith</u> MSS Management Areas	0	3	6	6
	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	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	1
	Sites sharing staff and equipment	0	1	5	1
			Yes	No	
	Disinfection of equipment between sites, use of footbaths etc		0	2	2
				Total Risk	26 MEDIUM



FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS No	SB0430	DATE OF VISIT	30/08/2023
SITE No	SS0652	SITE NAME	Riskness
CASE No	20230402	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 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 animal health surveillance had been carried out on behalf of the business and/or Marine Directorate since the last Marine Directorate inspection.

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

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

Signed: [REDACTED]

Fish Health Inspector

Date: 06/11/2023

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