

Case No: 2022-0485 Date of visit: 11/10/2022

Time spent on site: 5 hours Main Inspector:

Site No: FS0851 Site Name: Ardgadden  
Business No: FB0169 Business Name: Bakka frost Scotland

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

Water Temp (°C): 12.6 Thermometer No: T155 FHI 045 completed

Observations: Region: ST Water type: S CoGP MA: M-42

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

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

[Empty text box for visit detail reason]

**Additional Case Information:**

Cleaner fish stocks attributed as black loss. Have experienced poor performance of cleaner fish - both wrasse and lumpfish on site. Constant low level mortality since inputs with occasional instant losses after input. AGD identified within stocks but uncertain of cause of mortality. Company considers no remaining stock on site although a small number of wrasse were observed.

Several lethargic fish (Atlantic salmon) observed across the site but not in great numbers. 3 fish removed for diagnostic sampling.

4 x slice treatments since input, 4 fw, 1 Salmosan + FW - whole site. Hydrolysing one and a half rounds.

Case No: **2022-0485** Site No: **FS0851**

Date of Visit: **11/10/2022** Inspector(s): **[REDACTED]**

**Registration/Authorisation Details**

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

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

Total No facilities	<b>14</b>	Facilities stocked	<b>14</b>	No facilities inspected	<b>14</b>
Species	Atlantic salmon				
Age group	2021 S0				
No Fish	494,461				
Mean Fish Wt	2.9kg				
Next Fallow Date (Site)	June 2023	Next Input Date (Site)	Autumn 2023		
Recent (last 4 wks) disease problems?		Y	Any escapes (since last visit)?	N	
If yes, detail:	AGD and anaemia, micro-jellies as precursor. (Slight touch of PD - 6 weeks ago in a small no of fish)				

**Movement Records**

- 1. Movement records available for inspection?  Y
- 2. Date of last inspection: **21/10/2020**
- 3. Are records complete and correctly entered?  Y
- 4. Are movement records available for dead fish and waste?  Y
- 5. Are records complete and correctly entered?  Y
- 6. Are health certificates for introductions (outwith GB) available?  N/A

**Transport Records**

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

**Mortality Records**

- 1. Mortality records available for inspection?  Y
- 2. How are mortalities disposed of? **Whole fish - Dundas Chemicals**
- If other detail: **[REDACTED]**
- 3. Mortality records complete and correctly entered?  Y
- 4. Recent mortality (last 4 wks): **Lost 53,909 fish - 9.84% for past 4 weeks (wk 37 - 4.05%, 23,990; wk 38 -**
- 5. Evidence of recent increased/atypical mortalities?  Y
- If yes, facility nos/no mortality per facility/no stock per facility/reason: **2 ~15%/6k; 3 ~30%/10.5k; 6 ~30%/13k; 7 ~ 25%/10k; 10 ~ 24%/10k - Mainly gill health related, some PD impact**
- 6. Any other peaks in mortality during period checked?  Y
- If yes, detail: **Aug 2022 - 1.6% for site - PD related. Post transfer increase up to 1.53% for site per week (total loss ~ 3.5%). Some increased mortality towards the end of the last cycle - up to 1.7% per week - May/June/July 2021.**
- 7. Have increased (unexplained) mortalities been reported to vet or FHI?  Y
- If yes, detail action: **Sample analysis undertaken by vet / health manager**
- 8. Have 'mortality events' been reported to FHI? If no, enter details on mortality events sheet.  Y

**Treatments and Medicines Records**

1. Recent treatments (see comment)?  Y

If yes, detail:

If other, detail:

2. Medicines records available for inspection?  Y

3. Are records complete and correctly entered?  Y

4. Are fish in a withdrawal period?  Y

5. If yes, what treatment(s)?

If other, detail:

6. Are medicines stored appropriately?  Y

**Biosecurity Records**

1. Biosecurity records available for inspection?  Y

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

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

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

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

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

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

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

If no, detail:

**Results of Surveillance**

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

2. If yes, are results available for inspection?  Y

3. Any significant results?  Y

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

Records checked between:

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

Priority samples: VI  BA  PA  MG  HI

Time sampling starts/ends:   Inspector:  VMD No.

Environmental conditions: 1  2  3  4  5

Summary samples HIST  BA  MG  VI  PA  Total Samples

**Add Fish/Pools - click**

Pool/Fish No	F1	F2	F3										
Fish nos	1	2	3	4	5	6							
Pool Group													
Species	SAL	SAL	SAL	SAL	SAL	SAL							
Average weight	2.7000	2.7000	2.7000	2.7000	2.7000	2.7000							
Sex	N/A	N/A	N/A	N/A	N/A	N/A							
Water Type	SW	SW	SW	SW	SW	SW							
Stock Details		Applecross	Migdale	Migdale	Migdale	Migdale	Applecross						
	Stock Origin												
Facility No	13	6	11	3	7	14							



Case no: 2022-0485

Site No: FS0851

Method of killing: Anaesthetic

Date of visit: 11/10/2022

Inspector(s):

Sheet Relevant: Y

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

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





Additional comments:

F1 - Grilse like. Haemorrhaging of gills in F3. F1&F2 gills pale and clumped with some haemorrhaging. F3 internal adhesions.

Case Number:	2022-0485	Site No:	FS0851	Insp:		
Date of Visit	11/10/2022	No of movements/supp./dest.			Score	
<b>Live fish movements</b>		<b>0</b>	<b>1-5</b>	<b>6-10</b>	<b>&gt;10</b>	
Movements on (from out with GB) of susceptible species	Frequency of movements on from equivalent MS	0	5	10	14	0
	Frequency of movements on from equivalent zone or compartment including third country	0	9	18	26	0
	Number of suppliers	0	5	10	14	0
Movements off	Frequency of movements off	0	3	6	10	10
	Number of destinations	0	3	6	10	3
<b>Exposure via water</b>	<b>Site contacts</b>	<b>0</b>	<b>1-5</b>	<b>6-10</b>		
Water contacts with other farms (holding species susceptible to same diseases)	Farm is protected (secure water supply through disinfection or borehole)	0				
	Farm is on-line or in a coastal zone with category I farms upstream or within 1 tidal excursion	1	2	4		2
	Farm is on-line or in a coastal zone with category III farms upstream or within 1 tidal excursion	1	3	6		
	Farm is on-line or in a coastal zone with category V farms upstream or within 1 tidal excursion	1	4	8		
<b>Management practices</b>		<b>None</b>	<b>Secure</b>	<b>Unsecure</b>		
Water contacts with processors	Any processing plant discharging into adjacent waters	0	1	2		0
On farm processing within the rules of the directive	No on farm processing	0				0
	Processing own fish (re-cycling risk)	1				
	Processing fish from MS of equivalent status	2				
	Processing fish from zone or compartment of equivalent status	4				
	Processing fish from Category III farm	8				
	Processing fish from Category V farm	10				
Disposal of fish and fish by-products	Site's own waste only processed.	0				
	Common processes with other farms	3				
	Collection point for waste from other farms	5				5
Use of unpasteurised feeds	No feeding of unpasteurised feed	0				0
	Feeding unpasteurised feed	5				
<b>Biosecurity</b>	<b>Number of sites</b>	<b>1</b>	<b>2 or 3</b>	<b>≥ 4</b>		
Contacts with other sites	Sites operating from single shorebase	0	1	2		2
	Sites sharing staff and equipment	0	1	2		2
Disinfection of equipment between sites, use of footbaths etc	Yes	0				0
	No	1				
<b>CoGP/Regulator</b>						
Practices in accordance with regulator or industry code of practice	Yes	0				0
	No	3				
Platform access to cages	Yes	0				0
	No	2				
<b>Total Rank</b>					<b>24</b>	<b>MEDIUM</b>

Case No: 2022-0485

Site No: FS0851

Date of Visit: 11/10/2022

Inspector: [REDACTED]

**Point of Compliance**

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

If N, no further questions require completion.

**Points of Compliance for Both Farm Management Agreements and Statements**

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

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

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

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

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

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

**Arrangements for Fish Health Management**

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

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

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

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

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

**Arrangements for The Management of Sea Lice**

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

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

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

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

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

**Live Fish Movements**

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

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

**Harvesting**

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

**Fallowing**

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

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

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

**Point of Compliance for Farm Management Agreements Only**

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

**Management and operation**

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

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



Case No:

Site No:

**Sea Lice Inspection (Seawater Sites Only)**

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

**Containment Inspection**

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

Seal pro nets, bird nets, double panels on net bottom

If other, detail below:

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

# HEALTH INSPECTORATE VISIT REPORT

## SUMMARY FOR INFORMATION OF SITE OPERATOR

<b>BUSINESS No</b>	FB0169	<b>DATE OF VISIT</b>	11/10/2022
<b>SITE No</b>	FS0851	<b>SITE NAME</b>	Ardgaddan
<b>CASE No</b>	20220485	<b>INSPECTOR</b>	██████████

### Section 1: Summary

During a routine inspection, in accordance with the Aquatic Animal Health (Scotland) Regulations 2009, several moribund and lethargic fish were observed across the site. The site had experienced recent increased mortality, in excess of 9% for the past 4 weeks, which had been attributed to amoebic gill disease and associated anaemia. Diagnostic samples were taken from three fish.

From the case description and information provided by the site and in conjunction with the clinical signs and gross pathology observed, the pathogens identified and histopathological observations from the fish sampled, it is most likely that complex gill disease is the significant factor responsible for the condition of the fish and the mortality being experienced on site.

Histopathology examination revealed focal necrotizing bacterial branchitis associated with complex gill issues and vascular disturbance and necrosis. Amoebic gill disease, epitheliocystis and costia-like parasites were also observed. Gill lesions also displayed features that could potentially be associated with environmental factors/water insult. Mild to moderate, multifocal to coalescence hepatic necrosis and necrotizing nephritis were also observed.

The bacterial species *Yersinia ruckeri* was isolated from one of the fish sampled. The level and purity of this primary fish pathogen would suggest it may be a source of morbidity in one fish but not in the case overall. Molecular genetic testing revealed positive results for infectious pancreatic necrosis virus, Salmonid alphavirus, salmon gill poxvirus and *Paranucleospora theridion*.

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

An inspection was conducted as part of routine surveillance, but also as a consequence of recent increased mortality. During the inspection several lethargic fish were observed across the site. Three of these were removed for closer examination and diagnostic sampling. All three fish had pale, zoned gills with evidence of haemorrhaging. The gills were necrotic in fish 1 and 2. The body of fish 3 appeared to be dark in colour. Internal observations included bloody ascites within the body cavity of fish 1, petechial haemorrhaging across the liver of fish 2 and 3, as well as the pyloric caeca of fish 3 and the body wall and swim bladder of fish 2 and 3. No food was present within the gut of R09

all three fish and yellow pseudo-faeces were observed within the gut of fish 1 and 2. Adhesions were observed within the body cavity of fish 3.

### Samples

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

Fish number	Facility number	Species	Stage	Origin
1	13	Atlantic salmon	2.9 kg / 2021 S0	Applecross
2	6	Atlantic salmon	2.9 kg / 2021 S0	Migdale
3	11	Atlantic salmon	2.9 kg / 2021 S0	Migdale

### Results

**Bacteriology:** Kidney and gill material from all three fish was inoculated onto appropriate media for the isolation of bacteria.

*Yersinia ruckeri* was isolated from the kidney of fish 3.

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

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

Infectious pancreatic necrosis virus (IPNV)

Fish Number	Endogenous control Cp value	Cp Values			Reported Result (PCR)
F1	-	-	-	-	Negative
F2	-	-	-	-	Negative
F3	15.94	36.18	35.21	36.71	POSITIVE

Salmonid alphavirus (SAV)

Fish Number	Endogenous control Cp value	Cp Values			Reported Result (PCR)
F1	15.45	31.53	31.55	30.81	POSITIVE
F2	-	-	-	-	Negative
F3	15.94	33.99	33.36	33.17	POSITIVE

R09



Salmon gill poxvirus (SGPV)

Fish Number	Endogenous control Cp value	Cp Values			Reported Result (PCR)
F1	23.12	23.74	23.86	23.72	POSITIVE
F2	23.39	26.27	26.12	26.54	POSITIVE
F3	22.86	29.61	29.45	29.38	POSITIVE

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

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

*Paranucleospora theridion*

Fish Number	Endogenous control Cp value	Cp Values			Reported Result (PCR)
F1	23.12	32.1	32.22	32.44	POSITIVE
F2	23.39	24.93	24.97	24.77	POSITIVE
F3	22.86	31.05	31.17	31.15	POSITIVE

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

**Histology:** Tissue samples of gill, skin and skeletal muscle, heart, pyloric caeca, pancreas, hind gut, liver, spleen and kidney were taken from fish 1-3. The tissue samples were fixed in 10% neutral buffered formalin prior to examination by light microscopy. The following histopathological changes were observed:

Gill: Filament necrosis, haemorrhage, lamellar fusion and a compact layer of mixed Gram-negative bacteria surrounding the filament edge marked, focally extended, and cell debris among gill filaments (F1) and to a lesser extension in F2 and F3. Mild, multifocal hyperplasia and lamellar fusion and presence of few amoeboid cells resembling *Neoparamoeba perurans* observed in F1, F2 and several basophilic epithelial inclusions (likely epitheliocystis) F1. Epithelial lifting and several Costia-like also observed in F3.

Skin & Muscle: Few scattered individual fibre degeneration observed in the skeletal white muscle (F2).

Heart: F1 displayed minor cellular infiltration. F2 & F3 displayed some epicarditis.

Gut and pyloric caeca: Some cell sloughing (potentially associated with post-mortem artefacts) F2-F3.

Pancreas: Within the normal range.

R09

Liver: Hepatocellular necrosis, mild to multifocal to coalescence (F 2 & F3), some cuffing F3 and some foci hepatocellular vacuolation (macrovisicules) (F1- F3).

Kidney: Interstitial cell (haemopoietic) necrosis and presence of proteinaceous amorphous material  
Several renal tubules with hyaline droplets F2.

Spleen: Some foci of cellular necrosis (F3), minor cuffing (F1).

Signed: 

Date: 8 December 2022

Fish Health Inspector

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

# AMENDED FISH HEALTH INSPECTORATE VISIT REPORT

## SUMMARY FOR INFORMATION OF SITE OPERATOR

<b>BUSINESS No</b>	FB0169	<b>DATE OF VISIT</b>	11/10/2022
<b>SITE No</b>	FS0851	<b>SITE NAME</b>	Ardgaddan
<b>CASE No</b>	20220485	<b>INSPECTOR</b>	██████████

This report replaces the fish health report R25 issued on 3 November 2022, amending the section concerning mortality reporting to the Fish Health Inspectorate. The previous report should be discarded.

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

### Records

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

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

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

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

Mortality records were inspected and found to be adequately maintained. Mortality levels had exceeded the reporting criteria since the last inspection and had been reported to the Fish Health Inspectorate as required.

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

R25

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

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

Medicine records were inspected and found to be adequately maintained.

Samples were taken to be analysed for veterinary residues.

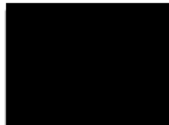
**Inspection under the Aquaculture and Fisheries (Scotland) Act 2007**

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

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

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

Signed:



Date: 22 November 2022

Fish Health Inspector

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



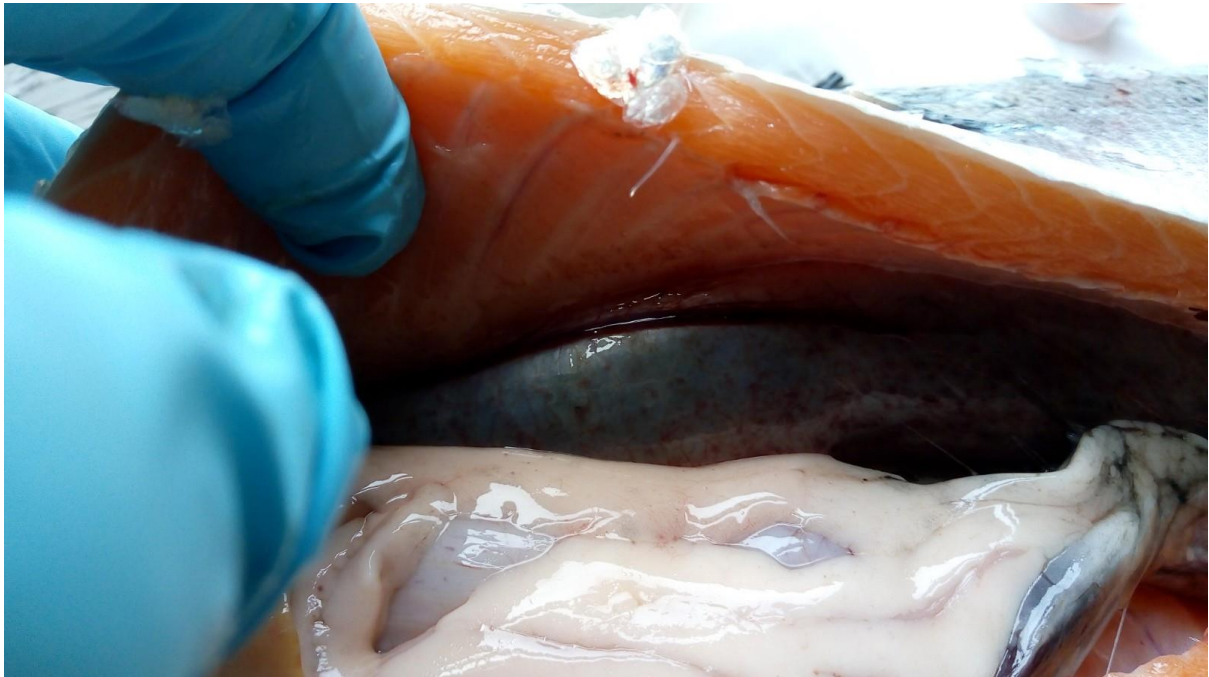
Fish 1 – Pale clumped gills with necrosis



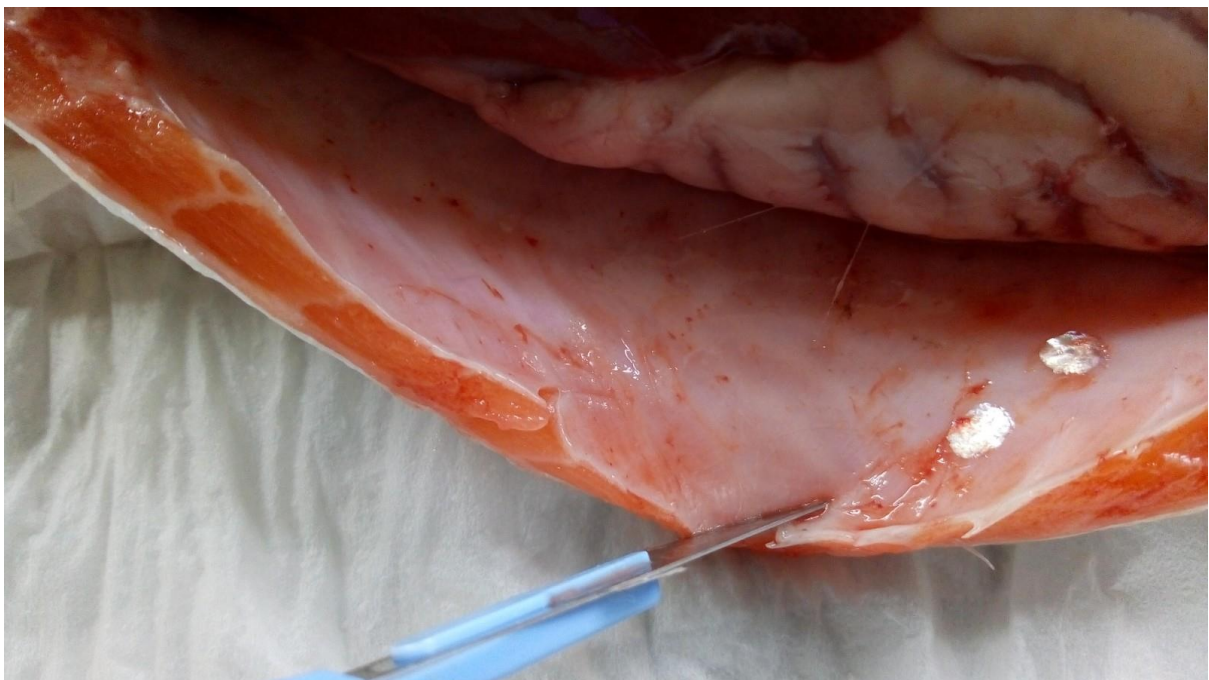
Fish 2 - Pale clumped gills with necrosis and haemorrhaging



Fish 3 - pale gills with some clumping and haemorrhage



Fish 3 - Internal haemorrhaging over the swim bladder



Fish 2 - slight internal haemorrhaging over the body wall