

Case No:

2025-0435

Date of visit:

11/11/2025

Additional inspector(s):

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Main Inspector:

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Site No:

FS1020

Site Name:

Bay of Vady

Business No:

FB0095

Business Name:

Cooke Aquaculture Scotland Ltd

Case Types:

1 REP

2 REG

3 DIA

4

5

6

Water Temp (°C):

12.2

Thermometer No:

T173

FHI 045 completed

N/A

Observations:

Region:

OR

Water type: S

CoGP MA: O-2

Dead/weak/abnormally behaving fish present?

 Y If yes, see additional information/clinical score sheet.

Clinical signs of disease observed?

 Y If yes, see additional information/clinical score sheet.

Post mortem signs 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:

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**Additional Case Information:**

Lice levels have been low since input, one treatment of Slice administered in the summer and then one treatment with the FLS Flusher system.

Elevated mortalities reported to the FHI wk 40 10,605 (1.62%), wk 41 20,220 (3.14%), wk 42 18,025 (2.89%) these were reported to be mainly due to environmental issues resulting in complex gill issues and some predation from seals.

Mortalities did reduce but have increased once again, wk 43 2452 (0.40%), wk 44 6049 (1.00%), wk 45 26013 (4.35%), gill health related.

Site was split down on the 9th and 10th November with fish going to Carness, six pens were stocked on the day of inspection.

Lethargic and moribund fish observed in all cages inspected, five were removed for diagnostic sampling.



Case No: 2025-0435

Site No: FS1020

Date of Visit: 11/11/2025

Main Insp: [REDACTED]

**Registration/Authorisation Details**

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

2. Changes made to details?

Y
N

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

Total No facilities	12	Facilities stocked	6	No facilities inspected	12
Species	Atlantic salmon				
Age group	2025 S1				
No Fish	407,838				
Mean Fish Wt	1.4kg				
Next Fallow Date (Site)	Not known	Next Input Date (Site)	Not known		
Recent (last 4 wks) disease problems?		Y	Any escapes (since last visit)?		N
If yes, detail:	Gill health issues				

**Movement Records**

1. Movement records for **all species** held 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. Have all introductions and imports (since last inspection) from outwith the GB health zone been recorded in the movement records?

Y
Y
Y
Y
N/A

**Transport Records**

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

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


**Mortality Records**

1. Mortality records for **all species** held 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:

T.M.S.

Y

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)?

T.M.S.

If other, detail:

6. Are medicines stored appropriately?

Y

**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:

18/6/2023 to 11/11/2025

Case no:	2025-0435	Site No:	FS1020	Date of visit/ Sampling:	11/11/2025	11/
Priority samples:	VI	BA	PA	MG	HI	
Time sampling starts/ends:	12:30:00	13:30:00	Main Insp:		VMD No.	
Environmental conditions:	1 Dry	2 Sunny	3 Calm	4	5	
Summary samples	HIST Y	BA Y	MG Y	VI	PA	Total Samples

Add Fish/Pools - click button

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	1kg	1kg	1kg	1kg	1kg					
Sex	N/A	N/A	N/A	N/A	N/A					
Water Type	SW	SW	SW	SW	SW					
Stock Details										
Stock Origin	Haweswater	Haweswater	Haweswater	Haweswater	Haweswater					
Facility No	11	11	11	12	12					

11/2025 Additional Sample Information:

5

Total Tests assigned 2

Case no: 2025-0435

Site No: FS1020

Method of killing: Percussive

Date of visit: 11/11/2025

Main Insp:

Sheet Relevant: Y

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

Fish Number		1	2	3	4	5		
Time sampled after death (if > 45 minutes)								
<b>External Signs</b>								
Behaviour	Moribund							
	Lethargic	S	S	S	S	S		
	Hanging vertical							
	Spiralling							
	Flashing							
	Loss of equilibrium							
Body	Dark	S	S	S	S	S		
	Distended abdomen							
	Anorexic	S		W		W		
	Scale Oedema							
Opercula	Shortened	S		W		W		
	Flared							
Haemorrhaging	Throat							
	Ventrum							
	Base of fins							
	Elsewhere							
Eyes	Exophthalmic	S						
	Enophthalmic (sunken)							
	Cataract							
	Haemorrhagic							
Gills	Pale	W	W	W	W			
	Zoned							
	Necrotic	M	S	W	W	W		
Lesions	Flank							
	Elsewhere							
Vent	Inflamed							
	Trailing faeces							
Lice Load	Estimate numbers							
<b>Internal Signs</b>								
Ascites	Clear							
	Bloody							
Oedema	In tissues							
Heart	Pale/anaemic	M	M	M	M	M		
	Granulomas							
	Deformed							
Liver	Petechial haem	M	M	M				
	Gross haem							
	Tissue breakdown							
	Enlarged							
	Colour number(s)	6	4	4	4	4		
	Granulomas			M				
	Lesions		M					
Pyloric caeca	Petechial haem				M			
	Tubules mauve	m						
	Lack of fat	S						
Spleen	Enlarged	S		S				
	Granulomas							
Gut	No food present							
	Yellow pseudo-faeces							
	External haem							
	Internal haem							
Body wall	Haemorrhaging							
Swim bladder	Haemorrhaging							
	Fluid filled							
Kidney	Swollen							
	Grey							
	Granular							
	Liquefied							
General	Parasites present							
	Anaemia							

Case no: 2025-0435

Date of visit: 11/11/2025

S for strong presence; M for medium presence; W for v

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										
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Vent	Inflamed										
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Lice Load	Estimate numbers										
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Ascites	Clear										
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Oedema	In tissues										
Heart	Pale/anaemic										
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	Deformed										
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	Gross haem										
	Tissue breakdown										
	Enlarged										
	Colour number(s)										
	Granulomas										
	Lesions										
Pyloric caeca	Petechial haem										
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	Yellow pseudo-faeces										
	External haem										
	Internal haem										
Body wall	Haemorrhaging										
Swim bladder	Haemorrhaging										
	Fluid filled										
Kidney	Swollen										
	Grey										
	Granular										
	Liquefied										
General	Parasites present										
	Anaemia										

Additional comments:

All fish had shortened snouts





# Fish Health Inspectorate visit report

## Summary for information of site operator

Business no:	FB0095	Date of visit:	11/11/2025
Site no:	FS1020	Site name:	Bay of Vady
Case no:	20250435	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, following reports of elevated mortalities.

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

### Records

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

The following records were also inspected to ensure that the conditions of authorisation for your Aquaculture Production Business (APB) are being met:

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

Mortality records were inspected and found to be adequately maintained.

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.

Mortality levels had exceeded the reporting criteria since the last inspection and had been reported to the Fish Health Inspectorate as required.

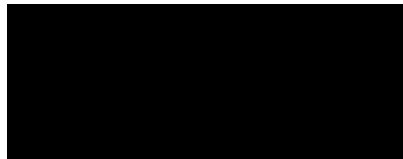
## Inspection under the Animals and Animal Products (Examination for Residues and Maximum Residue Limits) (England and Scotland) Regulations 2015

R10

Medicine records were inspected and found to be adequately maintained.

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

Signed:



Date: 20/11/2025

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)

R10

UKAS Accredited Inspection Body - Type C No. 0269  
Marine Laboratory, 375 Victoria Road, Aberdeen, AB11 9DB  
Telephone – 0131 244 3498  
Email – [ms.fishhealth@gov.scot](mailto:ms.fishhealth@gov.scot)  
[Fish Health Inspectorate Website](https://www.gov.scot)

# Fish Health Inspectorate visit report

## Summary for information of site operator

Business no:	FB0095	Date of visit:	11/11/2025
Site no:	FS1020	Site name:	Bay of Vady
Case no:	20250435	Inspector:	[REDACTED]

## Section one: summary

The site was inspected following reports of elevated mortalities, on inspection of the stock a number of lethargic fish were observed. Five fish were removed for further examination and subsequent diagnostic sampling.

Histopathological examination revealed moderate complex gill pathology with evidence of amoebic gill disease (AGD) and F2 also exhibited signs of a systemic bacterial infection and F4 displayed features of *Piscirickettsia*-like in the gill tissue. Minor myocarditis was observed and could be linked to a degree of viral infection.

Gill samples tested by qPCR were positive for the gill related pathogens: *Neoparamoeba perurans* (AGD), *Paranucleospora theridion* and salmon gill poxvirus (SGPV), which support the histopathology observations.

*Vibrio* sp. was identified. The level and purity of growth would suggest this bacterium would be implicated in the morbidity of F2 but not in F3.

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 two: case detail

### Observations

Elevated mortalities had been reported to the Fish Health Inspectorate starting on week 40 of 2025 and continuing to the day of inspection on the 11/11/2025. In total 83,364 salmon mortalities at an average weight of 1.4 kg were reported attributed to gill health issues. On inspection of the site lethargic and moribund fish were observed in all cages, five were removed for diagnostic sampling. All fish appeared dark in colouration and had necrotic gills. F1, 3 and 5 were anorexic with shortened opercula. F2 displayed bi-lateral exophthalmia and F1-4 had pale gills.

R09

Internally all fish had pale/anaemic hearts with petechial haemorrhaging present on the liver of fish 2,3 and 4, in addition the liver of F4 had granulomas and lesions on F3. The pyloric caeca of F5 had petechial haemorrhaging and the tubules of F1 were mauve with a lack of fat. Splenomegaly was noted in F2 and F4.

## Samples

Samples were collected from 1 to 5 fish according to the table below:

Fish number	Facility number	Species	Stage	Origin
1-3	11	Atlantic salmon	1.4 kg 2025 S1	Haweswater
4 and 5	12	Atlantic salmon	1.4 kg 2025 S1	Haweswater

## Results

### Bacteriology:

Kidney and gill material from F1 to F5 were inoculated onto appropriate media for the isolation of bacteria.

The following bacteria were isolated.

- *Vibrio* sp.: F2 and F3 (kidney)

### Virology:

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

Salmon gill poxvirus (SGPV),

Fish Number	Endogenous control Cp value	Cp Values			Reported Result (PCR)
		23.91	24.07	24.05	
F1	19.13	23.91	24.07	24.05	POSITIVE
F2	20.93	27.01	26.96	26.97	POSITIVE
F3	19.92	24.65	24.61	24.68	POSITIVE
F4	19.71	26.29	26.47	26.55	POSITIVE
F5	19.92	23.22	23.24	23.35	POSITIVE

R09

The samples tested negative for infectious haematopoietic necrosis virus (IHNV), infectious pancreatic necrosis virus (IPNV), infectious salmon anaemia virus (ISAV), salmonid alphavirus (SAV) and 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).

#### *Neoparamoeba perurans* (AGD)

Fish Number	Endogenous control Cp value	Cp Values			Reported Result (PCR)
F1	19.13	27.93	29.03	28.22	POSITIVE
F2	20.93	29.36	29.02	29.28	POSITIVE
F3	19.92	27.40	27.17	27.03	POSITIVE
F4	19.71	32.93	32.45	32.10	POSITIVE
F5	19.92	25.52	24.70	25.18	POSITIVE

#### *Paranucleospora theridion*

Fish Number	Endogenous control Cp value	Cp Values			Reported Result (PCR)
F1	19.13	21.34	21.31	21.43	POSITIVE
F2	20.93	24.76	24.69	24.68	POSITIVE
F3	19.92	25.00	24.94	24.90	POSITIVE
F4	19.71	25.54	25.08	25.48	POSITIVE
F5	19.92	23.64	23.77	23.91	POSITIVE

### Histology:

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

Histopathological examination revealed the following:

Gill: lamellar hyperplasia, moderate, multifocal (F1, F2, F4) and to a lesser extent F3 and F5 with areas of necrosis. Gram-negative bacteria observed in cell debris (F1, F2) and in F2 also in the necrotic areas. F4 displays an area with round blue structures resembling bacteria (likely *Piscirickettsia* sp.) (gill tip). Multiple numbers of basophilic epithelial

R09

inclusions (likely *epitheliocystis*) and to several amoeboid cells resembling *Neoparamoeba perurans* observed. Several aneurysmal dilation/telangiectasia observed in all fish. Some fish displayed post-mortem artefacts (F5).

Skin & Muscle: No abnormalities detected.

Heart: Myocarditis, minor, multifocal (F2, F3, F4, F5). Epicarditis, mild (F1, F2, F4, F5). Few thrombi observed at the compact-spongy layer junction.

Gut and pyloric caeca: Small areas of abdominal haemorrhage (F2). Peritonitis (F3, F5).

Pancreas: No abnormalities detected.

Liver: Hepatocellular necrosis, mild, with areas of coalescence (F1, F3 F5) with evidence of healing in F4 . Vasculitis, mild (F2, F4).

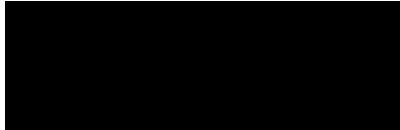
Kidney: Glomeruli displayed eosinophilic material within Bowman's capsule (F1) and some increase in the numbers of aggregates of melanomacrophages.

Spleen: Mild, multifocal, necrosis (F1, F3, F5). F2 exhibited peritonitis and areas of splenic necrosis containing numerous Gram-negative bacteria.

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

Signed:

Date: 11/12/2025

  
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/Topics/Health/Fish-Health-Inspectorate/Service-Charter)

R09

UKAS Accredited Inspection Body - Type C No. 0269  
Marine Laboratory, 375 Victoria Road, Aberdeen, AB11 9DB  
Telephone – 0131 244 3498  
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[Fish Health Inspectorate Website](https://www.gov.scot/Topics/Health/Fish-Health-Inspectorate)



F1-5



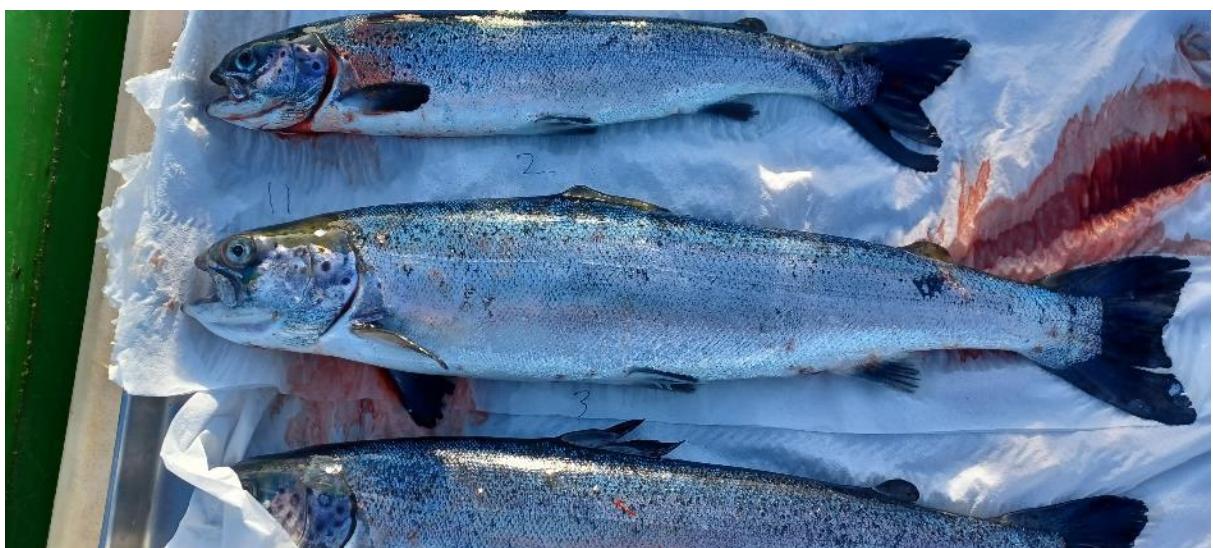
F1



F1



F1



F2



F2



F2



F3



F3



F3



F4



F4



F4



F5



F5



F5