

Case No:

2025-0467

Date of visit:

25/11/2025

Additional inspector(s):

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Main Inspector:

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Site No:

FS0517

Site Name:

Ardessie

Business No:

FB0119

Business Name:

Mowi Scotland Ltd

Case Types:

1

REP

2

REG

3

DIA

4

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5

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6

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Water Temp (°C):

9

Thermometer No:

T173

FHI 045 completed

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Observations:

Region:

HI

Water type:

S

CoGP MA

M-14

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:

Some lice grazing damage noted however no lice observed. Some lethargic fish observed in each pen two were removed for further examination and diagnostic sampling.

Fish had been transferred from Loch Leven for ongrowing to FW broodstock.

Peaks in mortality 2024 wk 36 1681 (4.11%) gill infections. Some additional mortalities attributed to transport/physical damage were recorded from wk 40 to wk 43 with 1688 recorded.

Peaks in mortality 2025, wk 24 1401 (5.83%) mainly algal bloom but some jellyfish, wk 30 1844 (15.03%), wk 31 1710 (19.25%) all attributed to jellyfish damage.

Mortalities over the last six weeks have been elevated, wk 48 to Monday 105 (0.46%), wk 47 691 (2.93%), wk 46 1532 (6.10%), wk 45 1049 (3.95%), wk 44 744 (3.85%) and wk 43 961 (13.73%), causes are evenly split between Pasteurella and transport losses.

Wrasse mortalities were reasonably low for the period checked with 15 recorded for the last four weeks.

No lumpfish have been on site since 2024 wk 32. Low mortality rates were recorded for the period checked.

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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	26	Facilities stocked	9	No facilities inspected	9
Species	Atlantic salmon	Wrasse			
Age group	2024 q2	wild caught			
No Fish	22,521	1,053			
Mean Fish Wt	11.44kg	N/A			
Next Fallow Date (Site)	May 2026	Next Input Date (Site)	October 2026		
Recent (last 4 wks) disease problems?		Y	Any escapes (since last visit)?	N	
If yes, detail:	CMS, Pasteurella (recent tests were negative) some furunculosis.				

Movement Records

1. Movement records for **all species** held available for inspection? Y

2. Date of last inspection: 27/03/2024

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. Have all introductions and imports (since last inspection) from outwith the GB health zone been recorded in the movement records? 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? Y

2. How are mortalities disposed of? Biogas - Barkip

If other detail:

3. Mortality records complete and correctly entered? Y

4. Recent mortality (last 4 wks): see additional information

5. Evidence of recent increased/atypical mortalities? Y

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

see additional information

6. Any other peaks in mortality during period checked? Y

If yes, detail: see additional information

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

If yes, detail action:

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

Treatments and Medicines Records

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

Results of Surveillance

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

Records checked between: 27/3/2024 to 25/11/2025

Case no:	2025-0467	Site No:	FS0517	Date of visit/ Sampling:	25/11/2025	25/		
Priority samples:	VI	BA	PA	MG	HI			
Time sampling starts/ends:	12:10:00	12:45:00	Main Insp:		VMD No.			
Environmental conditions:	1 Dry	2 Sunny	3 Cloudy	4 Calm	5			
Summary samples	HIST	Y	BA	Y	MG	VI	PA	Total Samples

Add Fish/Pools - click button

Pool/Fish No	F1	F2							
Fish nos	1	2							
Pool Group									
Species	SAL	SAL							
Average weight	11kg	11kg							
Sex	N/A	N/A							
Water Type	SW	SW							
Stock Details									
Stock Origin	15	Loch Levin (FS0244)							
Facility No	15		Loch Levin (FS0244)						

11/2025 Additional Sample Information:

2

Total Tests assigned

2

Case no: 2025-0467

Site No: FS0517

Method of killing: Percussive

Date of visit: 25/11/2025

Main Insp:

Sheet Relevant: Y

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

Fish Number								
Time sampled after death (if > 45 minutes)								
External Signs								
Behaviour	Moribund							
	Lethargic	S	S					
	Hanging vertical							
	Spiralling							
	Flashing							
	Loss of equilibrium							
Body	Dark	S	S					
	Distended abdomen							
	Anorexic							
	Scale Oedema							
Opercula	Shortened							
	Flared							
Haemorrhaging	Throat							
	Ventrum							
	Base of fins							
	Elsewhere							
Eyes	Exophthalmic	S	S					
	Enophthalmic (sunken)							
	Cataract							
	Haemorrhagic							
Gills	Pale	M	M					
	Zoned							
	Necrotic	W	W					
Lesions	Flank							
	Elsewhere							
Vent	Inflamed							
	Trailing faeces							
Lice Load	Estimate numbers							
Internal Signs								
Ascites	Clear							
	Bloody							
Oedema	In tissues							
Heart	Pale/anaemic	M	M					
	Granulomas							
	Deformed							
Liver	Petechial haem							
	Gross haem							
	Tissue breakdown							
	Enlarged							
	Colour number(s)							
	Granulomas							
	Lesions							
Pyloric caeca	Petechial haem							
	Tubules mauve							
	Lack of fat							
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: 2025-0467

Date of visit: 25/11/2025

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

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Time sampled after death (if > 45 minutes)											
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	Fluid filled										
Kidney	Swollen										
	Grey										
	Granular										
	Liquefied										
General	Parasites present										
	Anaemia										

Additional comments:

F 1 had a lot of adhesions.

Case No: 2025-0467

Date of visit: 25/11/2025

Site No: **FS0517**

Main Insp:

Report Summary				
Case Type	Date	Insp	2 nd Insp	
REP,REG	02/12/2025			
DIA	19/12/2025			

Fish Health Inspectorate visit report

Summary for information of site operator

Business no:	FB0119	Date of visit:	25/11/2025
Site no:	FS0517	Site name:	Ardessie
Case no:	20250467	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 inadequately 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 Directorate 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.

The following points were raised with the site representative during the inspection:

- Movement records were being maintained for the Ardessie A (FS0517) and Ardessie B (FS0675). In January 2025 the sites were merged into one site and

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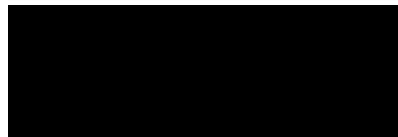
renamed Ardessie (FS0517). Records were updated during the Inspection, no further action is required. A new movement book has been issued.

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.

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

Signed:



Date: 04/12/2025

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)

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Fish Health Inspectorate visit report

Summary for information of site operator

Business no:	FB0119	Date of visit:	25/11/2025
Site no:	FS0517	Site name:	Ardessie
Case no:	20250467	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. Two fish were removed for further examination and subsequent diagnostic sampling.

Histopathological examination revealed features consistent with cardiomyopathy syndrome (CMS) and *Piscine myocarditis* virus was also detected by qPCR. Very mild gill pathology was also observed with gill samples also testing positive for salmon gill poxvirus (SGPV) by qPCR.

Heart and kidney samples tested positive for salmonid alphavirus (SAV) by qPCR.

Vibrio sp. and *Tenacibaculum* sp. were identified. The level and purity of growth would not suggest either bacterium would be implicated as the primary source of morbidity.

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 since they were input late October and early November. In the six weeks prior to the inspection mortalities were wk 43 961 (13.73%), wk 44 744 (3.85%), wk 45 1049 (3.95%), wk 46 1532 (6.10%), wk 47 691 (2.93%) and wk 48 to the day of the inspection 105 (0.46%) these were mainly attributed to *Pasteurella* with some transport losses.

On inspection of the stock lethargic fish were observed in all stocked cages, some lice grazing damage was visible on a couple of fish but no lice were observed so would likely have occurred prior to stocking.

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Two lethargic fish were removed for further examination and subsequent diagnostic sampling

Both fish had darkened bodies and bi-lateral exophthalmia and pale, slightly necrotic gills.

Internally the hearts appeared pale/anaemic with splenomegaly evident and adhesions present in F1.

Samples

Samples were collected from F1 and F2 according to the table below:

Fish number	Facility number	Species	Stage	Origin
1-2	15	Atlantic salmon	11kg 2024 Q2	Loch Leven (FS0244)

Results

Bacteriology:

Kidney and gill material from F1-F2 were inoculated onto appropriate media for the isolation of bacteria. However, media for the isolation of *Pasteurella* sp. was not available.

The following bacteria were isolated:

- *Vibrio* sp. F1 (gill)
- *Tenacibaculum* sp. F1 (gill)

The *Tenacibaculum* sp. isolate was screened by qPCR to identify if it was the primary fish pathogen *Tenacibaculum maritimum*, the result of this test was negative.

Virology:

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

Salmonid alphavirus (SAV)

Fish Number	Endogenous control Cp value	Cp Values	Reported Result (PCR)
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R09

F1	18.58	20.09	20.12	20.23	POSITIVE
F2	16.84	22.12	21.84	21.93	POSITIVE

Piscine myocarditis virus (PMCV)

Fish Number	Endogenous control Cp value	Cp Values			Reported Result (PCR)
		36.67	37.00	35.75	
F1	18.58	36.67	37.00	35.75	POSITIVE
F2	16.84	30.66	30.41	30.83	POSITIVE

Salmon gill poxvirus (SGPV)

Fish Number	Endogenous control Cp value	Cp Values			Reported Result (PCR)
		-	-	-	
F1	-	-	-	-	Negative
F2	21.07	34.42	34.12	34.52	POSITIVE

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

Parasitology:

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

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

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Histology:

Tissue samples of gill, skin and skeletal muscle, heart, pyloric caeca, pancreas, hind gut, liver, spleen and kidney were taken from F1-F2. The tissue samples were fixed in 10% neutral buffered formalin.

Histopathological examination revealed the following:

Gill: Lamellar hyperplasia, multifocal, minor (F1), with a few isolated lamellae showing epithelial thickening and some lamellar adhesions (F1). F2 displayed some lamellar clubbing. Free blood was observed among gill filaments (F1).

Skin & Muscle: No abnormalities detected.

Heart: Endocarditis and myocarditis, moderate, multifocal observed in F1. F2 displayed minor endocarditis. Epicarditis, mild (F1, F2).

Gut and pyloric caeca: No abnormalities detected.

Pancreas: No abnormalities detected.

Liver: Minor vasculitis (F2) and minor capsulitis (F1).

Kidney: No abnormalities detected.

Spleen: Slightly congested (F2).

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

Signed:

Date: 19/12/2025

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