Case No: 2026-0334 Date of visit: 01/09/2026

Additional inspector(s): Main Inspector: [redacted]

Site No: FS1370 Site Name: Stulaigh South
Business No: FB0119 Business Name: Mowi Scotland Ltd

Case Types: 1 REP 2 DIA 3 4 5 6

Water Temp (°C): 13.7 Thermometer No: T337 FHI 045 completed N/A

Observations: Region: WI Water type: S CoGP MA: W-20

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:

Additional Case Information:

Fish on site are Aquagens from Loch Lochy which were transferred from neighbouring Marulaig Bay site in May 26. Fish had been performing well since input when the site started experiencing elevated mortalities above the reporting threshold in July. Mortalities above the reporting threshold since the last inspection - Wk31: 17,186 (1.99%), Wk30: 11,387 (1.3%), Wk29: 10,129 (1.15%). Increased mortalities have been attributed to the presence of PD, combined with AGD, higher water temperatures and environmental stressors.

No medicinal treatments (except for the use of anaesthetic for lice counts) have been conducted since the last inspection. FW treatments were completed in recent weeks to aid gill health.

During the inspection, there were several anorexic, lethargic fish observed in cages 2 and 4 and to a lesser extent in the other pens on site. These cages were targeted for sampling. Beyond these fish, the general population appeared in good condition and were sitting deeper in the cages but were actively shoaling.

Case No: 2026-0334 Site No: FS1370

Date of Visit: 01/09/2026 Main Insp: [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	6	Facilities stocked	5	No facilities inspected	6		
Species	Atlantic salmon	Atlantic salmon					
Age group	2025 Q4	2026 Q1					
No Fish	609,150	160,305					
Mean Fish Wt	2.3kg	1.4kg					

Next Fallow Date (Site)	April 27	Next Input Date (Site)	2028
Recent (last 4 wks) disease problems?	Y	Any escapes (since last visit)?	N
If yes, detail:	PD & AGD		

Movement Records

1. Movement records for **all species** held available for inspection?	Y
2. Date of last inspection:	02/06/2026
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?	Other (detail)
If other detail:	Stored in mort bins and transferred to shorebase for uplift to whiteshore cockles.
3. Mortality records complete and correctly entered?	Y
4. Recent mortality (last 4 wks):	Wk35: 20,141 (2.57%), Wk34: 17,481 (2.18%), Wk33: 20,329 (2.48%), Wk32: 21,394 (2.54%).
5. Evidence of recent increased/atypical mortalities?	Y

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

Pens 2 and 4 have experienced higher mortalities. Mortalities have been attributed to the presence of PD, combined with AGD, higher water temperatures and environmental stressors.

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 *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?	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:	02/06/2026 - 01/09/26

Case no:	2026-0334	Site No:	FS1370	Date of visit/ Sampling:	01/09/2026	01/(							
Priority samples:	VI		BA		PA		MG		HI				
Time sampling starts/ends:	12:00:00	13:35:00	Main Insp:		VMD No.	0							
Environmental conditions:	1	Indoors	2		3		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	P1	P2	P3	P4	P5							
Stock Details	Species	SAL	SAL	SAL	SAL	SAL							
	Average weight	2kg	2kg	2kg	2kg	2kg							
	Sex	N/A	N/A	N/A	N/A	N/A							
	Water Type	SW	SW	SW	SW	SW							
	Stock Origin	Marulaig Bay FS0865	Marulaig Bay FS0865	Marulaig Bay FS0865	Marulaig Bay FS0865	Marulaig Bay FS0865							
	Facility No	4	4	2	2	2							

09/2026 Additional Sample Information:

Fish were humanely euthanised by a percussive blow to the head.

5 Total Tests assigned 2

Case no: 2026-0334 Site No: FS1370 Method of killing: Percussive

Date of visit: 01/09/2026 Main Insp: [redacted] 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)		01:15	01:20	01:25	01:30	01:35					
External Signs											
Behaviour	Moribund										
	Lethargic	S	S	S	S	S					
	Hanging vertical										
	Spiralling										
	Flashing										
	Loss of equilibrium										
Body	Dark		M								
	Distended abdomen				W						
	Anorexic					W					
	Scale Oedema										
Opercula	Shortened			W	W						
	Flared										
Haemorrhaging	Throat	W	W	W	W	W					
	Ventrum	S	M	M	W	M					
	Base of fins	S				W					
	Elsewhere										
Eyes	Exophthalmic										
	Enophthalmic (sunken)										
	Cataract										
	Haemorrhagic		W								
Gills	Pale	S	S	S	S	S					
	Zoned										
	Necrotic										
Lesions	Flank										
	Elsewhere										
Vent	Inflamed										
	Trailing faeces										
Lice Load	Estimate numbers	0	2	1	2	0					
Internal Signs											
Ascites	Clear										
	Bloody										
Oedema	In tissues										
Heart	Pale/anaemic	M	M	M	M	M					
	Granulomas										
	Deformed										
Liver	Petechial haem		W	W	W	W					
	Gross haem										
	Tissue breakdown										
	Enlarged		W	W	M	W					
	Colour number(s)										
	Granulomas										
	Lesions										
Pyloric caeca	Petechial haem					W					
	Tubules mauve										
	Lack of fat										
Spleen	Enlarged		W			M					
	Granulomas										
Gut	No food present										
	Yellow pseudo-faeces	S	S	S	S	S					
	External haem										
	Internal haem										
Body wall	Haemorrhaging			W							
Swim bladder	Haemorrhaging										
	Fluid filled										
Kidney	Swollen										
	Grey										
	Granular										
	Liquefied										
General	Parasites present										
	Anaemia										

Case no: 2026-0334

Date of visit: 01/09/2026

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										
	Elsewhere										
Eyes	**Exophthalmic**										
	Enophthalmic (sunken)										
	Cataract										
	Haemorrhagic										
Gills	**Pale**										
	Zoned										
	Necrotic										
Lesions	**Flank**										
	Elsewhere										
Vent	**Inflamed**										
	Trailing faeces										
Lice Load	**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)										
	Granulomas										
	Lesions										
Pyloric caeca	**Petechial haem**										
	Tubules mauve										
	Lack of fat										
Spleen	**Enlarged**										
	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										

Additional comments:

Case No: 2026-0334 Date of visit: 01/09/2026

Site No: FS1370 Main Insp:

Results Summary	Freq.	Date of Notification						
		Database	Insp	Phone	Insp	Writing	Insp	2nd Insp
MG_AGDQ	4/5	09/09/2026		09/09/2026		30/10/2026		
MG_IHNQ	0/5	09/09/2026		09/09/2026		30/10/2026		
MG_IPN	0/5	09/09/2026		09/09/2026		30/10/2026		
MG_ISA	0/5	09/09/2026		09/09/2026		30/10/2026		
MG_PARA_THER_Q	5/5	09/09/2026		09/09/2026		30/10/2026		
MG_PMCV	3/5	09/09/2026		09/09/2026		30/10/2026		
MG_SAL_POX	5/5	09/09/2026		09/09/2026		30/10/2026		
MG_SAV	0/5	09/09/2026		09/09/2026		30/10/2026		
MG_VHS	0/5	09/09/2026		09/09/2026		30/10/2026		
AERO	2/5	21/10/2026		21/10/2026		30/10/2026		
VSPE	4/5	21/10/2026		21/10/2026		30/10/2026		
CGDH	5/5	12/10/2026		23/10/2026		30/10/2026		
GPAT	5/5	12/10/2026		23/10/2026		30/10/2026		
EPIT	5/5	12/10/2026		23/10/2026		30/10/2026		
MICR	5/5	12/10/2026		23/10/2026		30/10/2026		
BACT	2/5	12/10/2026		23/10/2026		30/10/2026		
NECR	3/5	12/10/2026		23/10/2026		30/10/2026		
LPAT	3/5	12/10/2026		23/10/2026		30/10/2026		
HPAT	4/5	12/10/2026		23/10/2026		30/10/2026		
NSIG	2/5	30/10/2026		30/10/2026		30/10/2026		

Report Summary			
Case Type	Date	Insp	2nd Insp
DIA, REP	30/10/2026		

Fish Health Inspectorate visit report

Summary for information of site operator

Business no:	FB0119	Date of visit:	02/09/2026
Site no:	FS1370	Site name:	Stulaigh South
Case no:	20260334	Inspector:	[redacted]

Section one: summary

The site was inspected following elevated mortality reported by the business. Five lethargic fish were selected for diagnostic sampling.

Histological findings were dominated by multifactorial branchial pathology affecting all fish, characterised by epithelial hyperplasia, fusion of secondary lamellae, mucous cell hypertrophy/hyperplasia, oedema, epitheliocystis and putative intracellular microsporidian-like organisms. This is consistent with the molecular genetic analysis whereby *Neoparamoeba perurans* (Amoebic Gill Disease), *Paranucleospora theridion* and salmon gill poxvirus were all identified. Some heart pathology was observed, and piscine myocarditis virus (the causative agent of cardiomyopathy syndrome) was identified in 3/5 fish.

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

Stulaigh South was inspected following several weeks of elevated mortality (>1%) at the site. At the time of inspection, the site was stocked with 609,150 2025 Q4 and 160,305 2026 Q1 Atlantic salmon at an average weight of 2.3kg and 1.4kg respectively, both stocks originating from Marulaig Bay (FS0865). Since the last inspection, six mortality events had occurred at the site, whereby a total of 118,047 fish were lost. All cages were inspected. During the inspection, there were several anorexic, lethargic fish observed in cages 2 and 4 and to a lesser extent in the other cages on site. Cages 2 and 4 were targeted for sampling. Beyond these fish, the general population appeared in good condition and were sitting deeper in the cages but were actively shoaling. Five lethargic fish were removed for diagnostic sampling.

Externally, F2 was slightly darker in colour, F4 had a distended abdomen and F5 was mildly anorexic. The opercula on F3-4 were slightly shortened in length and all fish

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displayed varying severity of haemorrhaging on the throat, ventrum and base of fins. F2 also had slight haemorrhaging in the eye. The gills of all five fish were pale in colour.

Internally, the hearts of all five fish were pale/anaemic and there was mild petechial haemorrhaging on the livers of F2-5 (these were also all enlarged) and on the pyloric caeca of F5. The spleens of F2 and F5 were also enlarged. There was yellow pseudo-faeces present in the guts of all five fish and there was mild haemorrhaging in the body wall of F3.

Samples

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

Fish number	Facility number	Species	Stage	Origin
F1-2	4	Atlantic salmon	2025 Q4	Marulaig Bay FS0865
F3-5	2	Atlantic salmon	2025 Q4	Marulaig Bay FS0865

Results

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

The following bacteria were isolated from the following fish:

- *Aeromonas* spp. (closest match *A.cavia*) – isolated from gill material from F1 and F3.
- *Vibrio* spp. – isolated from gill material from F1, F2, F4 and F5.

The level and purity of growth would not suggest that either of these isolates are the main cause of morbidity in this case.

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

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Salmon gill poxvirus (SGPV)

Fish Number	Endogenous control Cp value	Cp Values			Reported Result (PCR)
F1	21.13	32.13	32.14	32.29	POSITIVE
F2	21.96	35.98	35.76	35.89	POSITIVE
F3	21.84	27.53	27.48	27.45	POSITIVE
F4	21.54	33.04	33.36	33.25	POSITIVE
F5	21.36	34.55	35.01	34.92	POSITIVE

Piscine myocarditis virus (CMS)

Fish Number	Endogenous control Cp value	Cp Values			Reported Result (PCR)
F1	-	-	-	-	Negative
F2	16.41	21.37	21.41	21.41	POSITIVE
F3	16.16	21.7	21.78	21.7	POSITIVE
F4	-	-	-	-	Negative
F5	16.32	22.16	22.13	22.09	POSITIVE

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).

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	21.13	26.24	26.27	26.3	POSITIVE
F2	21.96	29.67	29.69	29.73	POSITIVE
F3	21.84	30.2	30.2	30.24	POSITIVE
F4	21.54	31.22	31.23	31.26	POSITIVE
F5	21.36	28.31	28.28	28.28	POSITIVE

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***Neoparamoeba perurans* (AGD)**

Fish Number	Endogenous control Cp value	Cp Values			Reported Result (PCR)
F1	21.13	34.22	34.57	34.56	POSITIVE
F2	21.96	33.91	34.55	34.62	POSITIVE
F3	21.84	33.07	33.47	33.46	POSITIVE
F4	-	-	-	-	Negative
F5	21.36	35.27	35.18	35.53	POSITIVE

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

Histological findings were dominated by multifactorial branchial pathology affecting all specimens, characterised by epithelial hyperplasia, fusion of secondary lamellae, mucous cell hypertrophy/hyperplasia, oedema, epitheliocystis and putative intracellular microsporidian like organisms. F1 and F2 exhibited multifocal epithelial necrosis and secondary bacterial colonisation, with areas of liquefactive necrosis associated with rod shaped and filamentous bacteria. Vascular lesions, including telangiectasis and thrombosis, were also observed. Putative intracellular microsporidian like organisms were present within the branchial epithelium of multiple specimens and may be consistent with *Desmozoan lepeophtherii*. Gram and Calcofluor White staining failed to further characterise these organisms and may reflect developmental stage and age of reagent. Suggest molecular confirmation. Moderate to marked multifocal hepatocellular necrosis was observed in and may reflect branchial pathology. Recurrent myocardial thrombi were present in F1, F2, F3 and F5. Overall, the findings are consistent with a complex gill disease.

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

Signed: [redacted] Date: 30/10/2026

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)

R09

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