Case No: 2026-0289 Date of visit: 01/09/2026

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

Site No: FS0549 Site Name: Tanera
Business No: FB0125 Business Name: Scottish Sea Farms Ltd

Case Types: 1 REP 2 DIA 3 4 5 6

Water Temp (°C): 13.8 Thermometer No: T305 FHI 045 completed N/A

Observations: Region: HI Water type: S CoGP MA: M-10

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:

Reported mortality ongoing since May. Peaked at 7.4% (21508 fish) week 13/7/26. Attributed to gill health related and CGD. 27/07/2026- 02/08/2026 2.8% 4,357; 03/08/2026 -09/08/2026 2.1% 3,189; 10/08/2026- 16/08/2026 2.7% 3,278

Health team due on site 3/9/26. Fish were FW treated mid July. On inspection only three moribund fish were observed across the site. About 9 dead fish were observed. Heavy lice loads, caligus, were observed on the fish. Don't plan to treat as hope fish will be harvested out week 21st September.

Fada was fallow on 29th August 2026.

Fish are normally incinerated on site but with the mortality issue they are being collected by an ensiling boat and taken to Pelagia, Bressay in Shetland for processing.

Wrasse population on site. It is hoped these will be held on site in cages for a second cycle. Current wrassse mortality was 2 for last 4 weeks. Mortality peaked in week 29- 2026 with 99 morts for week.

Forgot to ask for movement book during inspection. Information requested post trip by email. Received 19/10/26

Case No: 2026-0289 Site No: FS0549

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?	N

Site Details (include cleaner fish for all sections)

Total No facilities	8		Facilities stocked	6		No facilities inspected	8	
Species	Atlantic salmon	Wrasse						
Age group	Q2 2025	mixed						
No Fish	865,111	11,261						
Mean Fish Wt	5.9	160g						
Next Fallow Date (Site)	29/9/26			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?	Y
2. Date of last inspection:	15/04/2026
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 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:	ensiling boat collects and transports to Pelagia, Shetland for further possessing
3. Mortality records complete and correctly entered?	Y
4. Recent mortality (last 4 wks):	24/8-30/8 3.56% 17/8-23/8 2.54% - see additional info for other weeks
5. Evidence of recent increased/atypical mortalities?	Y

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

across whole site attributed to gill health issues

6. Any other peaks in mortality during period checked?	N
If yes, detail:	
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)?	N
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?	N
5. If yes, what treatment(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).	

tested negative for CMS. Positive for PGD and amoeba on gills. Health team sampled 3/8/26

Records checked between: 15/4/26-01/9/26

Case no:	2026-0289	Site No:	FS0549	Date of visit/ Sampling:	01/09/2026	01/0							
Priority samples:	VI		BA		PA		MG		HI				
Time sampling starts/ends:	15:00:00	16:30:00	Main Insp:		VMD No.	0							
Environmental conditions:	1	Dry	2	Sunny	3	Windy	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									
	Fish nos	1	2	3									
	Pool Group												
Stock Details	Species	SAL	SAL	SAL									
	Average weight	5kg	5kg	5kg									
	Sex												
	Water Type	SW	SW	SW									
	Stock Origin	Barcaldine smolt unit FS1328	Barcaldine smolt unit FS1328	Barcaldine smolt unit FS1328									
	Facility No	4	4	7									

09/2026 Additional Sample Information:

very large hearts in all three fish so sampled three parts separately,

3 Total Tests assigned 2

Case no: 2026-0289 Site No: FS0549 Method of killing: Anaesthetic

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		1	2	3							
Time sampled after death (if > 45 minutes)		1.5hou	1.5hour	1.5hour							
External Signs											
Behaviour	Moribund	S	S	S							
	Lethargic	S	S	S							
	Hanging vertical	S									
	Spiralling										
	Flashing										
	Loss of equilibrium	S									
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	S	S	S							
	Zoned										
	Necrotic										
Lesions	Flank										
	Elsewhere										
Vent	Inflamed										
	Trailing faeces										
Lice Load	Estimate numbers	30+	50+	30+							
Internal Signs											
Ascites	Clear										
	Bloody										
Oedema	In tissues										
Heart	Pale/anaemic	M	M	M							
	Granulomas										
	Deformed										
Liver	Petechial haem										
	Gross haem										
	Tissue breakdown										
	Enlarged										
	Colour number(s)	2	4	4							
	Granulomas										
	Lesions										
Pyloric caeca	Petechial haem										
	Tubules mauve										
	Lack of fat										
Spleen	Enlarged	S									
	Granulomas										
Gut	No food present	S	S	S							
	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: 2026-0289

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:

very enlarged gall bladder in fish 1. all had enlarged hearts

Recent Treatments: N.

Dead/weak/abnormally behaving fish present: Y. Clinical signs of disease observed: Y. Gross pathology observed: Y. Diagnostic samples taken: Y. See clinical score sheet for observations.

No issues raised.
Reported mortality ongoing since May. Peaked at 7.4% (21508 fish) week 13/7/26.
27/07/2026- 02/08/2026 2.8% 4,357; 03/08/2026 -09/08/2026 2.1% 3,189; 10/08/2026- 16/08/2026 2.7% 3,278

Health team due on site 3/9/26. Fish were FW treated mid July. On inspection only three moribund fish were observed across the site. About 9 dead fish were observed. Heavy lice loads, caligus, were observed on the fish.

Site No: FS0549

Case No: 2026-0289

Nature of non-compliance:

Action taken (FHI):

Non-compliance relevant to (delete): VirologyMolGen/Bacteriology/Histology/Parasitology

Case No: 2026-0289 Date of visit: 01/09/2026

Site No: FS0549 Main Insp: [redacted]

Results Summary	Freq.	Date of Notification						
		Database	Insp	Phone	Insp	Writing	Insp	2nd Insp
MG VHS	0/3	08/09/2026		08/09/2026		20/10/2026		
MGIHN	0/3	08/09/2026		08/09/2026		20/10/2026		
MG ISA	0/3	08/09/2026		08/09/2026		20/10/2026		
MG IPN	0/3	08/09/2026		08/09/2026		20/10/2026		
MG PMCV	0/3	08/09/2026		08/09/2026		20/10/2026		
MG SAV	0/3	08/09/2026		08/09/2026		20/10/2026		
MG para ther	2/3	08/09/2026		08/09/2026		20/10/2026		
MG Sal pox	2/3	08/09/2026		08/09/2026		20/10/2026		
MG AGD	3/3	08/09/2026		08/09/2026		20/10/2026		
VSPE	2/3	14/09/2026		14/09/2026		20/10/2026		
ASAL	1/3	14/09/2026		14/09/2026		20/10/2026		
CGDH	3/3	13/10/2026				20/10/2026		
AGDH	3/3	13/10/2026				20/10/2026		
EPIT	1/3	13/10/2026				20/10/2026		
GPAT	3/3	13/10/2026				20/10/2026		
LPAT	2/3	13/10/2026				20/10/2026		
HPAT	3/3	13/10/2026				20/10/2026		
BACT	2/3	20/10/2026				20/10/2026		

Report Summary			
Case Type	Date	Insp	2nd Insp
DIAG, Rep	20/10/2026		

Scottish Government
Riaghaltas na h-Alba

Fish Health Inspectorate visit report

Summary for information of site operator

Business no:	FB0125	Date of visit:	01/09/2026
Site no:	FS0549	Site name:	Tanera
Case no:	20260289	Inspector:	[redacted]

Section one: summary

Tanera was visited following mortality levels above the reporting threshold. On inspection three moribund fish were observed at the pen margins and were removed for diagnostic examination.

Histopathology showed pathology associated with complex gill disease (CGD). These observations were confirmed by gill samples testing positive by qPCR for salmon gill poxvirus, *Neoparamoeba perurans* (AGD) and *Paranucleospora theridion.*

Fish 3 also exhibited heart pathology with multifocal bacterial infection of the ventricular myocardium. *Aeromonas salmonicida* was identified from gill and kidney samples of fish 3 and considered to be the main cause 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

A site visit was scheduled following reported mortality attributed to gill heath related issues and complex gill disease. This had peaked at 7.4% (21,508 fish) for week 13/7/26.
On inspection only three moribund fish were observed across the site. Heavy C*aligus* lice loads were observed on the fish. The three moribund fish were removed for diagnostic examination.
All three fish had pale gills. Internally all had pale and enlarged hearts. Fish one had an enlarged spleen and gall bladder.

Samples

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

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Marine Laboratory, 375 Victoria Road, Aberdeen, AB11 9DB
Telephone – 0131 244 3498
Email – ms.fishhealth@gov.scot
Fish Health Inspectorate Website

Fish number	Facility number	Species	Stage	Origin
1-2	4	Atlantic salmon	2025 Q2 @ 5kg	Barcaldine Smolt Unit
3	7	Atlantic salmon	2025 Q2 @ 5kg	Barcaldine Smolt Unit

Results

Bacteriology:

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

The following bacteria were isolated;

Vibrio sp.- F1 (gill), F2 (gill and kidney)
Aeromonas salmonicida- F3 (gill and kidney)

Level and purity of growth of the vibrio spp. does not suggest this is the main cause of morbidity in this case.

Aeromonas salmonicida ssp. *salmonicida* was identified from fish 3. This is a primary pathogen, and the level and purity of growth indicates that this is the main cause of morbidity in F3. 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).

Salmon gill poxvirus (SGPV)

Fish Number	Endogenous control Cp value	Cp Values			Reported Result (PCR)
F1	-	-	-	-	Negative
F2	22.86	31.35	31.27	31.36	Positive
F3	22.36	36.95	37.68	37.81	Positive

The samples tested negative for infectious haematopoietic necrosis virus (IHNV), infectious pancreatic necrosis virus (IPNV), infectious salmon anaemia virus (ISAV),

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piscine myocarditis virus (PMCV) 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).

Neoparamoeba perurans (AGD)

Fish Number	Endogenous control Cp value	Cp Values			Reported Result (PCR)
F1	23.01	32.88	32.91	33.03	Positive
F2	22.86	28.1	28.16	28.16	Positive
F3	22.36	30.56	30.61	30.68	Positive

Paranucleospora theridion

Fish Number	Endogenous control Cp value	Cp Values			Reported Result (PCR)
F1	-	-	-	-	Negative
F2	22.86	>40	>40	38.99	Positive
F3	22.36	>40	>40	38.54	Positive

Histology:

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

The histological findings were multifactorial although dominated by multifactorial branchial pathology associated with complex gill disease (CGD). F1 and F2 exhibited proliferative branchitis including epithelial hyperplasia and lamellar fusion, associated with amoebic trophozoites that were consistent with *Neoparamoeba perurans* i.e. amoebic gill disease (AGD). F2 additionally exhibited mucous cell hyperplasia and several prokaryotic inclusion bodies within the secondary lamellae (epitheliocystis) morphologically suggestive of infection by *Candidatus Branchiomonas cysticola*. Telangiectasis and thrombosis were prominent in both specimens. Moderate multifocal hepatocellular necrosis was also observed in F1 and F2, which has previously been associated with hypoxic change secondary to severe branchial disease, including AGD.

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F3 exhibited relatively more pronounced necrotising branchial pathology, with multifocal loss of normal branchial architecture associated with rod shaped bacteria within the capillaries of both primary and secondary lamellae, together with moderate multifocal lymphocytic branchitis.
Of particular significance, F3 also exhibited marked multifocal bacterial infection of the ventricular myocardium, characterised by a large endocardial and myocardial bacterial lesion associated with liquefactive necrosis and lymphocytic myocarditis several smaller lesions of similar morphology were also observed.

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

Signed: [redacted] Date: 20/10/26

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)

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