

Case No:	2022-0053	Date of visit:	15/03/2022			
Time spent on site:	5.5h	Main Inspector:				
Site No:	FS0241	Site Name:	Kingairloch			
Business No:	FB0119	Business Name:	Mowi Scotland Ltd			
Case Types:	1 ECI	2 CNI	3 SLI	4 VMD	5 DIA	6
Water Temp (°C):	7.6	Thermometer No:	T148	FHI 045 completed	N/A	
Observations:	Region:	HI	Water type:	S	CoGP MA	M-36
Dead/weak/abnormally behaving fish present?	<input type="checkbox"/>	If yes, see additional information/clinical score sheet.				
Clinical signs of disease observed?	<input type="checkbox"/>	If yes, see additional information/clinical score sheet.				
Gross pathology observed?	<input type="checkbox"/>	If yes, see additional information/clinical score sheet.				
Diagnostic samples taken?	<input type="checkbox"/>					

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

Additional Case Information:

LUM - all farmed from Anglesey, Otterferry, Weymouth

WRA - 50% wild, 50% farmed from Anglesey and Weymouth

No cleanerfish from Ireland currently but may import them again in the future.

No FMA in place but health teams communicate between sites in area re diseases and treatment plans.

Farms in area include RTR sites stocked with multiple year classes and no fallow plans.

Slightly increased seal activity observed due to raised *Tenacibaculum moribundus* presence, especially pens 5 and 6. No seals c

Remote inspection done on 10/03/22 by [REDACTED], supervised by [REDACTED]

Site inspection and sampling done on 15/03/22 by [REDACTED], observed by [REDACTED].

Fish currently on photoperiod. Small percentage of lethargic fish observed in all cages, mostly runts with some lesions present around the mouth & head. Worst affected cages were 5 & 6. Five fish removed from pens 1, 5 and 6 for diagnostic sampling.

No internal pathology observed.

The main population and the fish sampled for the VMD looked healthy and appeared to be feeding well.

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Date of Visit: 15/03/2022

Inspector(s):

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	8		Facilities stocked	5		No facilities inspected	8	
Species	SAL	SAL	WRA	LUM				
Age group	Q4 2021	Q4 2021	Mixed	Mixed				
No Fish	309,950	226,944	46,278	32,234				
Mean Fish Wt	1.3kg	300g	40g	35g				
Next Fallow Date (Site)	April 2023			Next Input Date (Site)	September 2023			
Recent (last 4 wks) disease problems?				Y	Any escapes (since last visit)?			N
If yes, detail:	Tenacibaculum, removing moribunds daily, mortality removal increased to twice daily.							

Movement Records

- 1. Movement records available for inspection? Y
- 2. Date of last inspection: 27/04/2021
- 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? Ensiled - on site
- If other detail:
- 3. Mortality records complete and correctly entered? Y
- 4. Recent mortality (last 4 wks): 2022 Week 6: 261 (0.05%), week 7: 473 (0.09%), week 8: 998 (0.18%), week 9: 2,666 (0.49%). Cleanerfish last 4 weeks: 803.
- 5. Evidence of recent increased/atypical mortalities? N
- If yes, facility nos/no mortality per facility/no stock per facility/reason:
- 6. Any other peaks in mortality during period checked? Y
- If yes, detail: MRT02178 - 1.08% 2,542 treatment mortality week 23 2021
- 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)?	<input type="checkbox"/>	Y
If yes, detail:	T.M.S., Salmosan	
If other, detail:		
2. Medicines records available for inspection?	<input type="checkbox"/>	Y
3. Are records complete and correctly entered?	<input type="checkbox"/>	Y
4. Are fish in a withdrawal period?	<input type="checkbox"/>	Y
5. If yes, what treatment(s)?	T.M.S., Salmosan	
If other, detail:		
6. Are medicines stored appropriately?	<input type="checkbox"/>	Y

Biosecurity Records

1. Biosecurity records available for inspection?	<input type="checkbox"/>	Y
2. Has the manner and frequency of mortality removal, recording and safe disposal been considered?	<input type="checkbox"/>	Y
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?	<input type="checkbox"/>	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 <i>how</i> and <i>when</i> that will be notified to Scottish Ministers?	<input type="checkbox"/>	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)?	<input type="checkbox"/>	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.)?	<input type="checkbox"/>	Y
7. Is documentation available regarding the measures in place to maintain the physical containment of aquaculture animals held on site?	<input type="checkbox"/>	Y
8. Have the biosecurity procedures been adequately implemented on site?	<input type="checkbox"/>	Y
If no, detail:		

Results of Surveillance

1. Has any animal health surveillance been carried out by, or on behalf of, the business?	<input type="checkbox"/>	Y
2. If yes, are results available for inspection?	<input type="checkbox"/>	Y
3. Any significant results?	<input type="checkbox"/>	Y
If yes, detail (if not detailed under recent disease problems).	Moderate AGD. Tenacibaculosis, mostly in pens 5&6.	
Records checked between:	27/04/2021 - 10/03/2022	

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	F4	F5								
Fish nos	1	2	3	4	5	6	7	8					
Pool Group													
Species	SAL	SAL	SAL	SAL	SAL	SAL	SAL	SAL					
Average weight	1.3kg	300g	300g	300g	300g	1.3kg	1.3kg	1.3kg					
Sex	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A					
Water Type	SW	SW	SW	SW	SW	SW	SW	SW					
Stock Details		Glenfinnan	Glenfinnan	Glenfinnan	Glenfinnan	Glenfinnan	Glenfinnan	Glenfinnan					
	Stock Origin												
Facility No	1	5	5	6	6	1	2	3					

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Method of killing: Percussive

Date of visit: 15/03/2022

Inspector(s):

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)	1h	1h	1h	1h	1h				
External Signs									
Behaviour									
Moribund									
Lethargic	M	M	M	M	M				
Hanging vertical									
Spiralling									
Flashing									
Loss of equilibrium									
Body									
Dark									
Distended abdomen									
Anorexic			S		M				
Scale Oedema									
Opercula									
Shortened		W							
Flared									
Haemorrhaging									
Throat									
Ventrum									
Base of fins									
Elsewhere									
Eyes									
Exophthalmic									
Enophthalmic (sunken)									
Cataract									
Haemorrhagic									
Gills									
Pale									
Zoned									
Necrotic									
Lesions									
Flank									
Elsewhere			S	M	M				
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)	4	4	4	4	4				
Granulomas									
Lesions									
Pyloric caeca									
Petechial haem									
Tubules mauve									
Lack of fat									
Spleen									
Enlarged									
Granulomas									
Gut									
No food present									
Yellow pseudo-faeces					W				
External haem									
Internal haem									
Body wall									
Haemorrhaging									
Swim bladder									
Haemorrhaging									
Fluid filled									
Kidney									
Swollen									
Grey									
Granular									
Liquefied									
General									
Parasites present									
Anaemia									

Additional comments:

Fish 3 mouth lesion, right side of the mouth fully eroded. Fish 4 lesion on top of head. Fish 5 mouth lesion. Tenacibaculum identified on site, no treatments administered. Fish 2 - 5 have been in sea water for less than 6 months so TSA was also used.

Case Number:		2022-0053	Site No:		FS0241	Insp:	
Date of Visit		15/03/2022	No of movements/supp./dest.				Score
Live fish movements			0	1-5	6-10	>10	
Movements on (from out with GB) of susceptible species	Frequency of movements on from equivalent MS	0	5	10	14		
	Frequency of movements on from equivalent zone or compartment including third country	0	9	18	26	9	
	Number of suppliers	0	5	10	14	5	
Movements off	Frequency of movements off	0	3	6	10	10	
	Number of destinations	0	3	6	10	3	
Exposure via water		Site contacts		0	1-5	6-10	
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			
Management practices		None	Secure	Unsecure			
Water contacts with processors	Any processing plant discharging into adjacent waters	0	1	2		1	
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				0	
	Common processes with other farms	3					
	Collection point for waste from other farms	5					
Use of unpasteurised feeds	No feeding of unpasteurised feed	0				0	
	Feeding unpasteurised feed	5					
Biosecurity		Number of sites		1	2 or 3	≥ 4	
Contacts with other sites	Sites operating from single shorebase	0	1	2		0	
	Sites sharing staff and equipment	0	1	2		0	
Disinfection of equipment between sites, use of footbaths etc	Yes	0				0	
	No	1					
CoGP/Regulator							
Practices in accordance with regulator or industry code of practice	Yes	0				0	
	No	3					
Platform access to cages	Yes	0				0	
	No	2					
Total Rank						30	
HIGH							

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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) fallowed 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 can these be deployed 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 2 or above (from w/b 10/6/19) during the period that records are inspected?
- 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 sea lice?
- 15. Is there a site specific written lice management procedure with waypoints describing set actions to deal with recognised scenarios during the escalation of a sea lice infestation?
- 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)

Top nets,
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)

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Site No: FS0241

Date of Visit: 15/03/2022

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?



FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS No	FB0119	DATE OF VISIT	15/03/2022
SITE No	FS0241	SITE NAME	Kingairloch
CASE No	20220053	INSPECTOR	[REDACTED]

Section 1: Summary

During a routine site inspection, five lethargic fish were observed and removed for further examination and subsequent diagnostic sampling.

Pathology examination revealed bacterial necrotising stomatitis consistent with *Tenacibaculum* sp.. *Tenacibaculum dicentrarchi* was isolated and confirmed by bacteriological analysis and 16S sequencing. Histopathology examination revealed focal bacterial dermatitis also associated with *Tenacibaculum dicentrarchi*, bacterial enteritis in one fish, nephritis with no overt agents detected in H&E sections and marked peritonitis potentially associated with vaccine administration.

Two separate *Vibrio* spp. were identified on plates taken from lesion and kidney material. The growth level and purity of *Vibrio* spp. observed would not suggest these bacteria are acting as a primary pathogens in this case, however, the level observed on plates taken from lesion material suggest they may be significant in that area.

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

During a routine site inspection, a small number of lethargic fish were observed, particularly in pens 5 and 6. The sites health surveillance reports identified Tenacibaculosis as the current cause of morbidity. Five lethargic fish were removed for further examination and subsequent diagnostic sampling.

Fish 3 and 4 were runts and anorexic in appearance. Fish 3 and 5 had mouth erosion and ulceration, while fish 4 had an ulcerative skin lesion on the top of the head. Mild to moderate fraying of fins and tails was also observed in all five fish. No internal clinical signs were observed except for some yellow pseudo-faeces in fish 5. Vaccination adhesions were present in the body cavity of all five fish. Fish 2 to 5 had been at sea for less than 6 months.

Samples

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

R09

Fish number	Facility number	Species	Stage	Origin
1	1	Atlantic Salmon	1.3 kg Q4 2021	Glenfinnan
2 & 3	5	Atlantic Salmon	300g Q4 2021	Glenfinnan
4 & 5	6	Atlantic Salmon	300g Q4 2021	Glenfinnan

Results

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

The following bacteria were isolated:

- *Vibrio* spp.
 - Isolate A found in fish: F2 (Kidney); F3 (Kidney, Lesion); F4 (Lesion); F5 (Kidney, Lesion)
 - Isolate B found in fish: F2 (Kidney); F3 (Kidney, Lesion); F4 (Lesion); F5 (Kidney)
 - Isolate C found in fish: F2 (Gill); F3 (Lesion, Gill); F4-5 (Lesion, Gill)
- *Tenacibaculum dicentrarchi*
 - F2 (Gill); F3 (Lesion); F4-5 (Lesion, Gill)

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

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).

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.

Histopathological examination revealed the following:

Gill: Minimal interlamellar epithelial hyperplasia (F1), one lamellae displayed mild epithelial thickness (F4), few numbers of basophilic epithelial inclusions (likely epitheliocystis) (F4), some scattered aneurysmal dilation/telangiectasia, lamellar congestion and free blood among gill filaments (F1-F5).

Skin & Muscle: Two small musculature samples exhibited marked fibre necrosis and presence of large clusters or mats of filamentous Gram-negative bacteria with a low grade of inflammatory reaction. The rest of skin sample were within the normal range.

Heart: Within the normal range.

Gut and pyloric caeca: Pyloric caeca lumen displayed proteinaceous eosinophilic material and large clusters of Gram-negative rod-shaped bacteria. Marked peritonitis (potentially associated with vaccine administration) (F2), F3 only exhibited few Gram-negative bacteria clusters.

R09

Pancreas: Within the normal range.

Liver: Some diffuse hepatocyte vacuolation (macrovisicules) (F2, F5).

Kidney: Reduction of haematopoietic tissue, some inflammatory cells circulating within the sinusoidal spaces and occasional glomeruli displayed some pink proteinaceous material. Renal tubes displayed hyaline droplets on the lining epithelium (F2-F5).

Spleen: Capsulitis (F2, F3) and peritonitis in all fish (potentially associated with vaccine administration). Slightly congested (F2-F5).



Signed:

Date: 22/04/2022

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/>

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SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS No	FB0119	DATE OF VISIT	15/03/2022
SITE No	FS0241	SITE NAME	Kingairloch
CASE No	20220053	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.

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 high. An inspection under the Aquatic Animal Health (Scotland) Regulations 2009 will be conducted annually. 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.

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

R25

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.

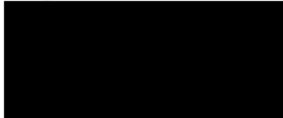
Samples were taken to be analysed for veterinary residues.

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: 17/03/2022

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/>



Figure 1; Fish 1 – 3 (top to bottom).



Figure 2; Fish 4 & 5 (top to bottom).



Figure 3; Fish 3 lesion.



Figure 4; Fish 4 lesion.



Figure 5; Fish 5 lesion.