

Case No:	<input type="text" value="2019-0274"/>	Date of visit:	<input type="text" value="12/06/2019"/>			
Time spent on site:	<input type="text" value="4 hours"/>	Main Inspector:	<input type="text" value=""/>			
Site No:	<input type="text" value="FS0804"/>	Site Name:	<input type="text" value="Kishorn B (North)"/>			
Business No:	<input type="text" value="FB0125"/>	Business Name:	<input type="text" value="Scottish Sea Farms Ltd"/>			
Case Types:	1 <input type="text" value="ECI"/>	2 <input type="text" value="CNI"/>	3 <input type="text" value="SLI"/>	4 <input type="text" value="VMD"/>	5 <input type="text" value=""/>	6 <input type="text" value=""/>
Water Temp (°C):	<input type="text" value="10.5"/>	Thermometer No:	<input type="text" value="T146"/>	FHI 045 completed	<input type="text" value="N/A"/>	
Observations:	Region:	HI	Water type:	S	CoGP MA	M-19
Dead/weak/abnormally behaving fish present?	<input type="text" value="N"/>	If yes, see additional information/clinical score sheet.				
Clinical signs of disease observed?	<input type="text" value="N"/>	If yes, see additional information/clinical score sheet.				
Gross pathology observed?	<input type="text" value="N"/>	If yes, see additional information/clinical score sheet.				
Diagnostic samples taken?	<input type="text" value="N"/>					

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

Additional Case Information:

Fish input in September split from Kishorn West. Wild caught wrasse from Tobermory, Tingwall and Orkney. Two harvests live to Scalloway. Another harvest planned for weekend.

Morts for 2 kishorn sites brought to shore base for incineration. If larger numbers moved off whole

Mort events from; 7-13/1/19, 18-24/2/19, 8-14/4/19 and 15-21/4/19 range 1.08- 1.34%/site wk attributed to AGD treatment, CGI - all reported to FHI.

Current morts; 6-12/6/19 - 0.26%/site/week (900 fish) - post treatment; 27/5-5/6/19 - 0.19% site /wk; 20-26/5/19 - 1.25%- CGI and post wellboat treatment. - reported

Mort figures counts; 18/2/19-24/2/19 4509; 8/4/19-14/4/19; 4007; 15/4/19-21/4/19, 3767; 20/5/19 - 26/5/19, 3322

Thermolicer treatment completed on Monday. Gill effected cages were harvested, rest of the site treated.

two treatments on Norholm; salmosan, 22 May 2019. - morts event for that week attributed to post treatment. 50-60% clearance. Two cages 5 and 7 and these are going to be harvested. -not put through thermolicer this week. Harvested out on Saturday.

Farm management statement detailed input from fresh water site. However the fish were input in Sept 2018 split from Kishorn West.

Lice current levels wk23 2019 - 1.19 average adult females pre thermolicer treatments, wk22 - 2.05, wk21; 1.5, wk20, 1.57

Case No: **2019-0274** Site No: **FS0804**
 Date of Visit: **12/06/2019** Inspector(s): **[redacted]**

Registration/Authorisation Details

- 1. Business/site details summary checked by site representative? **Y**
- 2. Changes made to details? **Y**

Site Details

Total No facilities	15	Facilities stocked	10	No facilities inspected	10
Species	Sal wrasse				
Age group	2018 Q2 mixed wild				
No Fish	244,019	8,000			
Mean Fish Wt	3 Kg	mixed			
Next Fallow Date (Site)	Nov 2019	Next Input Date (Site)	spring 2020		

Recent (last 4 wks) disease problems? **Y** Any escapes (since last visit)? **N**
 If yes, detail: **complex gill issues**

Movement Records

- 1. Movement records available for inspection? **Y**
- 2. Date of last inspection: **25/10/2017**
- 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)? **N**
- If yes, is there a system in place for maintenance of transportation records? **[redacted]**

Mortality Records

- 1. Mortality records available for inspection? **Y**
- 2. How are mortalities disposed of? **Incinerated - on site**
- If other detail: **[redacted]**
- 3. Mortality records complete and correctly entered? **Y**
- 4. Recent mortality (last 4 wks): **see additional info**
- 5. Evidence of recent increased/atypical mortalities? **N**
- If yes, facility nos/no mortality per facility/no stock per facility/reason: **[redacted]**
- 6. Any other peaks in mortality during period checked? **Y**
- If yes, detail: **see additional info**
- 7. Have increased (unexplained) mortalities been reported to vet or FHI? **N/A**
- If yes, detail action: **[redacted]**
- 8. Have 'mortality events' been reported to FHI? If no, add MRT case and enter on mortality events sheet. **Y**

1. Recent treatments (last 4 wks)?	<input type="checkbox"/>	Y
If yes, detail:	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)?	TMS	
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).	poor gill condition, AGD, PGD -	
Records checked between:	25/10/17 - 12/6/19	

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												
Fish nos	1	2	3									
Pool Group												
Species	SAL	SAL	SAL									
Average weight	3 Kg	3 Kg	3 Kg									
Sex												
Water Type	SW	SW	SW									
Stock Origin												
Facility No	9	6	11									

Additional Sample Information:

0

Total Tests assigned

0

Case Number:	2019-0274	Site No:	FS0804	Insp:		
Date of Visit	12/06/2019	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	0
	Frequency of movements on from equivalent zone or compartment including third country	0	9	18	26	
	Number of suppliers	0	5	10	14	
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		0
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				
	Common processes with other farms	3				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		1
	Sites sharing staff and equipment	0	1	2		1
Disinfection of equipment between sites, use of footbaths etc	Yes	0				
	No	1				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					21	MEDIUM

Case No: **2019-0274**

Site No: **FS0804**

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 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)

ADD, Top nets, sapphire seal pro 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)

Case No: 2019-0274

Site No: FS0804

Date of Visit: 12/06/2019

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?

Site No: FS0804
Case No: 2019-0274
Nature of non-compliance:
Action taken (FHI):
Non-compliance relevant to (delete): VirologyMolGen/Bacteriology/Histology/Parasitology



Case No: 2019-0274

Date of visit: 12/06/2019

Site No: FS0804

Inspector: [REDACTED]

Results Summary	Freq.	Date of Notification						
		Database	Insp	Phone	Insp	Writing	Insp	2 nd Insp

Report Summary			
Case Type	Date	Insp	2 nd Insp
ECl, CNI, SLI, VMD	02/07/2019	[REDACTED]	[REDACTED]
Case closed	26/09/2019	[REDACTED]	[REDACTED]

██████████
Scottish Sea Farms Ltd
Laurel House
Laurelhill Business Park
Polmaise Road Stirling
FK7 9JQ
██

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS No	FB0125	DATE OF VISIT	12/06/2019
SITE No	FS0804	SITE NAME	Kishorn B (North)
INSPECTOR	██████████	CASE No	20190274

Case completion report

Recommendations in relation to the above case were made for implementation by 31st August 2019. Following submission of the required documentation, evidence has now been provided to Marine Scotland to demonstrate that the recommendations have been implemented.

This case will now be closed. This site may be subject to further audit and recommendations in the future.

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

Signed: ██████████

Fish Health Inspector

Date: 26/09/2019

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Marine Scotland website at www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter

██████████
Scottish Sea Farms Ltd
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FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS No	FB0125	DATE OF VISIT	12/06/2019
SITE No	FS0804	SITE NAME	Kishorn B (North)
INSPECTOR	██████████	CASE No	20190274

Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

The above site was inspected, in accordance with the Aquatic Animal Health (Scotland) Regulations 2009, and to meet the requirements of European Community Council Directive 2006/88/EC.

All epidemiological units were inspected. On this occasion no samples were taken for disease analysis. The Inspector did not observe any clinical signs associated with the listed diseases as described in the Aquatic Animal Health (Scotland) Regulations 2009.

Records

The surveillance frequency category of the site was assessed as medium. An inspection under the Aquatic Animal Health (Scotland) Regulations 2009 will be conducted every second year. 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.

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.

R25

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.

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.

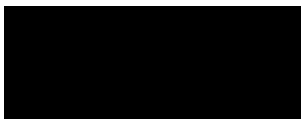
On this occasion the site was found to be satisfactory with regards to parasites, and containment and escapes.

The farm management statement was inspected and it was found that the site was not managed and operated in accordance with the statement. It was noted that plan detailed only a freshwater source of fish for Kishorn B (North) but it had also been stocked with fish from Kishorn West. The farm management statement must be updated to reflect the practices on site to ensure compliance with the legislation.

Please ensure that these points have been addressed by 31 August 2019. Records or documentation demonstrating that these points have been addressed should be sent to the Fish Health Inspectorate (contact details below). The site may be subject to further inspection or enforcement action should the appropriate action regarding the above points not be taken within the time period stipulated.

Please contact myself or the duty inspector should you require any assistance or clarification in implementing any requirement or recommendation detailed in this report.

Signed:



Date: 02/07/2019

Fish Health Inspector

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Marine Scotland website at www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter

Case No:	2019-0302	Date of visit:	26/06/2019
Time spent on site:	3.5 hours	Main Inspector:	
Site No:	FS1282	Site Name:	Greanamul
Business No:	FB0169	Business Name:	The Scottish Salmon Company
Case Types:	1 ECI	2 CNI	3 SLI
	4 VMD	5	6
Water Temp (°C):	12.2	Thermometer No:	T147
		FHI 045 completed	
Observations:	Region: WI	Water type: S	CoGP MA W-15
Dead/weak/abnormally behaving fish present?	<input type="checkbox"/> N	If yes, see additional information/clinical score sheet.	
Clinical signs of disease observed?	<input type="checkbox"/> N	If yes, see additional information/clinical score sheet.	
Gross pathology observed?	<input type="checkbox"/> N	If yes, see additional information/clinical score sheet.	
Diagnostic samples taken?	<input type="checkbox"/> N		

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

Additional Case Information:

Site fallow all through 2018, all equipment replaced during that year (cages, nets, mooring grid).

Salmon and lumpsuckers stocked on site from Petersport (FS0340) 08/04/2019. Site began harvesting May 2019.

Sea lice counts inspected to record exact counts above reporting criteria. Business had reported all counts above 3 as >3 <8. see sea lice counts page for details.

At time of inspection no treatments are due to be carried out. Health report for April 2019 states that it is intended for further lumpsuckers to be stocked on site to bring stocking percentage up to 8% of salmon biomass, however this is yet to be organised.

Small number of fish observed with scrubbing damage, likely attributed to recent hydroliser treatment. Fish showing jumping behaviour. No dead or moribund fish observed across site.

Fish sampled for VMD appeared healthy.

Case No: Site No:
 Date of Visit: Inspector(s):

Registration/Authorisation Details

1. Business/site details summary checked by site representative?
 2. Changes made to details?

Site Details

Total No facilities	<input type="text" value="14"/>	Facilities stocked	<input type="text" value="7"/>	No facilities inspected	<input type="text" value="14"/>
Species	<input type="text" value="SAL"/>	<input type="text" value="LUM"/>			
Age group	<input type="text" value="2018 S1"/>	<input type="text" value="2018"/>			
No Fish	<input type="text" value="315,929"/>	<input type="text" value="5,000"/>			
Mean Fish Wt	<input type="text" value="2.5 Kg"/>	<input type="text" value="Mix"/>			
Next Fallow Date (Site)	<input type="text" value="November 2019"/>		Next Input Date (Site)	<input type="text" value="March 2020"/>	

Recent (last 4 wks) disease problems? Any escapes (since last visit)?
 If yes, detail:

Movement Records

1. Movement records 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. Are health certificates for introductions (outwith GB) available?

Transport Records

1. Are any movements carried out by (or on behalf) of the business (not using a STB)?
 If yes, is there a system in place for maintenance of transportation records?

Mortality Records

1. Mortality records 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, add MRT case and enter on mortality events sheet.

1. Recent treatments (last 4 wks)?	<input type="checkbox"/>	Y
If yes, detail:	T.M.S.	
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.	
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"/>	N
If yes, detail (if not detailed under recent disease problems).		

Records checked between: 20/10/2016 - 26/06/2019

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											
	Fish nos	1-2	3-4									
	Pool Group											
Stock Details	Species	SAL	SAL									
	Average weight	2.5000	2.5000									
	Sex	N/A	N/A									
	Water Type	SW	SW									
	Stock Origin	Kilervagh (Petersport)	Kilervagh (Petersport)									
	Facility No	3	6									

Additional Sample Information:

Total Tests assigned

Case Number:	2019-0302	Site No:	FS1282	Insp:		
Date of Visit	26/06/2019	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	0
	Frequency of movements on from equivalent zone or compartment including third country	0	9	18	26	
	Number of suppliers	0	5	10	14	0
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		0
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				
	Common processes with other farms	3				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		1
	Sites sharing staff and equipment	0	1	2		1
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					20	MEDIUM

Case No: **2019-0302**

Site No: **FS1282**

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, tensioned nets, seal blinds

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)

Case No: 2019-0302

Site No: FS1282

Date of Visit: 26/06/2019

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?

[REDACTED]
The Scottish Salmon Company
1 Smithy Lane
Lochgilphead
Argyll
PA31 8TA
[REDACTED]

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS No	FB0169	DATE OF VISIT	26/06/2019
SITE No	FS1282	SITE NAME	Greanamul
INSPECTOR	[REDACTED]	CASE No	20190302

Case completion report

Recommendations in relation to the above case were made for implementation by 30/08/2019. Following submission of the required documentation, evidence has now been provided to Marine Scotland to demonstrate that the recommendations have been implemented.

This case will now be closed. This site may be subject to further audit and recommendations in the future.

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

Signed:



Date: 16/09/2019

Fish Health Inspector

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Marine Scotland website at www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter

[REDACTED]
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1 Smithy Lane
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Argyll
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[REDACTED]

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS No	FB0169	DATE OF VISIT	26/06/2019
SITE No	FS1282	SITE NAME	Greanamul
INSPECTOR	[REDACTED]	CASE No	20190302

Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

The above site was inspected, in accordance with the Aquatic Animal Health (Scotland) Regulations 2009, and to meet the requirements of European Community Council Directive 2006/88/EC.

All epidemiological units were inspected. On this occasion no samples were taken for disease analysis. The Inspector did not observe any clinical signs associated with the listed diseases as described in the Aquatic Animal Health (Scotland) Regulations 2009.

Records

The surveillance frequency category of the site was assessed as medium. An inspection under the Aquatic Animal Health (Scotland) Regulations 2009 will be conducted every second year. 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.

Mortality records were inspected and found to be adequately maintained.

No mortality levels exceeding the reporting criteria have been recorded since the last inspection.

R25

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.

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 fish farm management agreements and statements and containment and escapes.

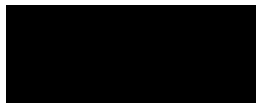
On this occasion recommendations were issued in relation to parasites (sea lice):

- A record must be maintained of the reason for not conducting a weekly count of parasites in the event that such a count is not undertaken in any week.

Please ensure that these points have been addressed by 30/08/2019. Records or documentation demonstrating that these points have been addressed should be sent to the Fish Health Inspectorate (contact details below). The site may be subject to further inspection or enforcement action should the appropriate action regarding the above points not be taken within the time period stipulated.

Please contact myself or the duty inspector should you require any assistance or clarification in implementing any requirement or recommendation detailed in this report.

Signed:



Fish Health Inspector

Date: 24/07/2019

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Marine Scotland website at www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter

Case No:	<input type="text" value="2019-0303"/>	Date of visit:	<input type="text" value="27/06/2019"/>			
Time spent on site:	<input type="text" value="4 hours"/>	Main Inspector:	<input type="text" value=""/>			
Site No:	<input type="text" value="FS1315"/>	Site Name:	<input type="text" value="Maaey"/>			
Business No:	<input type="text" value="FB0169"/>	Business Name:	<input type="text" value="The Scottish Salmon Company"/>			
Case Types:	1 <input type="text" value="UNI"/>	2 <input type="text" value="REP"/>	3 <input type="text" value="VMD"/>	4 <input type="text" value="DIA"/>	5 <input type="text" value=""/>	6 <input type="text" value=""/>
Water Temp (°C):	<input type="text" value="12.4"/>	Thermometer No:	<input type="text" value="T147"/>	FHI 045 completed	<input type="text" value=""/>	
Observations:	Region:	WI	Water type:	S	CoGP MA	W-15
Dead/weak/abnormally behaving fish present?	<input type="text" value="Y"/>	If yes, see additional information/clinical score sheet.				
Clinical signs of disease observed?	<input type="text" value="Y"/>	If yes, see additional information/clinical score sheet.				
Gross pathology observed?	<input type="text" value="Y"/>	If yes, see additional information/clinical score sheet.				
Diagnostic samples taken?	<input type="text" value="Y"/>					
UNI/REG only - if unable to carry out intended visit detail reason below:						
<input type="text" value="Unannounced inspection, accompanying APHA following report of mortality from third party"/>						

Additional Case Information:

Unannounced site inspection accompanying APHA vet, following reports made to both FHI and APHA on 15/06/2019 of increased mortality at a site operating in the Uiskevagh area. Site manager was not present at time of inspection, so the manager from a neighbouring site attended in their place.

Fish transferred in from North Uiskevagh w/b 04/03/2019. Site has been harvesting since 08/06/2019.

Sea lice counts inspected to record exact counts above reporting criteria. Business had reported all counts above 3 as >3 <8. see sea lice counts page for details. Where no counts were listed there was no record of the reason why.

Moribund and lethargic fish observed across site, some fish also showing jumping behaviour. Diagnostic samples taken.

Fish sampled for VMD appeared healthy.

Case No: **2019-0303** Site No: **FS1315**
 Date of Visit: **27/06/2019** Inspector(s): **[Redacted]**

Registration/Authorisation Details

1. Business/site details summary checked by site representative? **Y**
 2. Changes made to details? **N**

Site Details

Total No facilities	16	Facilities stocked	10	No facilities inspected	16
Species	SAL LUM				
Age group	2018 S1	2018			
No Fish	286,380	38,000			
Mean Fish Wt	2 kg	Mix			
Next Fallow Date (Site)	November 2019		Next Input Date (Site)	Spring 2020	

Recent (last 4 wks) disease problems? **Y** Any escapes (since last visit)? **N**
 If yes, detail: **Pancreas disease**

Movement Records

1. Movement records available for inspection? **Y**
 2. Date of last inspection: **First Inspection**
 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)? **[Redacted]**
 If yes, is there a system in place for maintenance of transportation records? **[Redacted]**

Mortality Records

1. Mortality records available for inspection? **Y**
 2. How are mortalities disposed of? **Other (detail)**
 If other detail: **Whole fish - Whiteshore cockles**
 3. Mortality records complete and correctly entered? **Y**
 4. Recent mortality (last 4 wks): **w/b 27/05/19 - 27780 (5.43%), w/b 03/06/19 - 67,014 (13.84%), w/b 10/06/19 - 29631 (7.38%), w/b 17/05/2019 - 25264 (7.79%), w/b 24/06/2019 - 12,103 (4.12%). Mortalities spread across site.**
 5. Evidence of recent increased/atypical mortalities? **Y**
 If yes, facility nos/no mortality per facility/no stock per facility/reason:

Mortalities attributed to PD, exacerbated by handling during recent treatments.
 6. Any other peaks in mortality during period checked? **Y**
 If yes, detail: **w/b 18/03/19 - 1450 (1.52%), w/b 20/05/19 - 48,500 (8.65%) - Attributed to PD, exacerbated by handling during treatments.**
 7. Have increased (unexplained) mortalities been reported to vet or FHI? **Y**
 If yes, detail action: **Reported to company vet.**
 8. Have 'mortality events' been reported to FHI? If no, add MRT case and enter on mortality events sheet. **Y**

1. Recent treatments (last 4 wks)?	<input type="checkbox"/>	Y
If yes, detail:	Salmosan, T.M.S.	
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.	
If other, detail:		
6. Are medicines stored appropriately?	<input type="checkbox"/>	Y

Biosecurity Records

1. Biosecurity records available for inspection?	<input type="checkbox"/>
2. Has the manner and frequency of mortality removal, recording and safe disposal been considered?	<input type="checkbox"/>
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"/>
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"/>
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"/>
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"/>
7. Is documentation available regarding the measures in place to maintain the physical containment of aquaculture animals held on site?	<input type="checkbox"/>
8. Have the biosecurity procedures been adequately implemented on site?	<input type="checkbox"/>
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).	Pancreas Disease	

Records checked between: 28/02/2019 - 27/06/2019

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	P1							
Fish nos	1	2	3	4	5	1-5	6						
Pool Group	P1	P1	P1	P1	P1								
Species	SAL	SAL	SAL	SAL	SAL	SAL	SAL						
Average weight	2kg	2kg	2kg	2kg	2kg	2kg	2kg						
Sex	N/A	N/A	N/A	N/A	N/A	N/A	N/A						
Water Type	SW	SW	SW	SW	SW	SW	SW						
Stock Details		North Uiskevagh	North Uiskevagh	North Uiskevagh	North Uiskevagh	North Uiskevagh		North Uiskevagh					
	Stock Origin												
Facility No	11	11	11	11	11		4						

Case no: 2019-0303

Site No: FS1315

Method of killing: Percussive

Date of visit: 27/06/2019

Inspector(s):

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)												
External Signs												
Behaviour	Moribund	S	S	S	S	S						
	Lethargic	S	S	S	S	S						
	Hanging vertical	S	S									
	Spiralling											
	Flashing											
	Loss of equilibrium											
Body	Dark											
	Distended abdomen											
	Anorexic		m	m	s	s						
	Scale Oedema											
Opercula	Shortened											
	Flared											
Haemorrhaging	Throat											
	Ventrum		w	s	w	w						
	Base of fins											
	Elsewhere											
Eyes	Exophthalmic											
	Enophthalmic (sunken)											
	Cataract											
	Haemorrhagic											
Gills	Pale											
	Zoned											
	Necrotic											
Lesions	Flank				m							
	Elsewhere											
Vent	Inflamed											
	Trailing faeces											
Lice Load	Estimate numbers	10	15	8	5	7						
Internal Signs												
Ascites	Clear											
	Bloody											
Oedema	In tissues											
Heart	Pale/anaemic											
	Granulomas											
	Deformed											
Liver	Petechial haem			w								
	Gross haem											
	Tissue breakdown											
	Enlarged											
	Colour number(s)											
	Granulomas											
	Lesions											
Pyloric caeca	Petechial haem											
	Tubules mauve											
	Lack of fat		m	m	m	s						
Spleen	Enlarged			m	m	m						
	Granulomas			m	w							
Gut	No food present											
	Yellow pseudo-faeces	S	S	S	S	S						
	External haem											
	Internal haem											
Body wall	Haemorrhaging											
Swim bladder	Haemorrhaging											
	Fluid filled											
Kidney	Swollen											
	Grey											
	Granular			w	w							
	Liquefied											
General	Parasites present											
	Anaemia											

Additional comments:

Site No: FS1315

Case No: 2019-0303

Nature of non-compliance:

Action taken (FHI):

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



Case No: 2019-0303 Date of visit: 27/06/2019
 Site No: FS1315 Inspector: [REDACTED]

Results Summary	Freq.	Date of Notification						
		Database	Insp	Phone	Insp	Writing	Insp	2 nd Insp
MG_IHN	0/1	03/07/2019	[REDACTED]	03/07/2019	[REDACTED]	24/07/2019	[REDACTED]	[REDACTED]
MG_IPN	1/1	03/07/2019	[REDACTED]	03/07/2019	[REDACTED]	24/07/2019	[REDACTED]	[REDACTED]
MG_ISA	0/1	03/07/2019	[REDACTED]	03/07/2019	[REDACTED]	24/07/2019	[REDACTED]	[REDACTED]
MG_SAV	1/1	03/07/2019	[REDACTED]	03/07/2019	[REDACTED]	24/07/2019	[REDACTED]	[REDACTED]
MG_VHS	0/1	03/07/2019	[REDACTED]	03/07/2019	[REDACTED]	24/07/2019	[REDACTED]	[REDACTED]
BA_AERO	5/5	11/07/2019	[REDACTED]	11/07/2019	[REDACTED]	24/07/2019	[REDACTED]	[REDACTED]
BA_VSPE	3/5	11/07/2019	[REDACTED]	11/07/2019	[REDACTED]	24/07/2019	[REDACTED]	[REDACTED]
BA_NSIG	3/5	11/07/2019	[REDACTED]	11/07/2019	[REDACTED]	24/07/2019	[REDACTED]	[REDACTED]
HIST_ADHE	4/5	18/07/2019	[REDACTED]	23/07/2019	[REDACTED]	24/07/2019	[REDACTED]	[REDACTED]
HIST_HPAT	4/5	18/07/2019	[REDACTED]	23/07/2019	[REDACTED]	24/07/2019	[REDACTED]	[REDACTED]
HIST_TUMO	1/5	18/07/2019	[REDACTED]	23/07/2019	[REDACTED]	24/07/2019	[REDACTED]	[REDACTED]

Report Summary			
Case Type	Date	Insp	2 nd Insp
DIA	24/07/2019	[REDACTED]	[REDACTED]
REP, UNI	24/07/2019	[REDACTED]	[REDACTED]
Case complete	16/09/2019	[REDACTED]	[REDACTED]

[REDACTED]
The Scottish Salmon Company
1 Smithy Lane
Lochgilphead
Argyll
PA31 8TA
[REDACTED]

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS No	FB0169	DATE OF VISIT	27/06/2019
SITE No	FS1315	SITE NAME	Maaey
INSPECTOR	[REDACTED]	CASE No	20190303

Section 1: Summary

An unannounced inspection was carried out at the above site following reports of increased mortality. During the inspection of the site a number of moribund and lethargic fish were observed in all cages across the site. Five moribund fish were removed for further examination and subsequent sampling.

Histopathology examination revealed a nodular growth resembling a neoplasia-like structure in the gill of F1, mild peritonitis and mild cardiomyopathy potentially associated with salmonid alpha virus (SAV), the causative agent of pancreas disease (PD). SAV was confirmed by QPCR.

QPCR testing was positive for infectious pancreatic necrosis virus (IPNV). However histopathology results were not consistent with IPN pathology.

Aeromonas sp. was isolated by bacteriological testing, however the mixed nature of growth would not suggest it is 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 2: Case Detail

Observations

During the inspection of the cages on site a number of moribund and lethargic fish were observed with a proportion of these fish appearing anorexic. Five fish were removed for further examination and subsequent diagnostic sampling, of these fish all five were moribund with F1 and F2 hanging vertically in the water column.

The site had been experiencing recent increased mortality, records showed mortality of 5.43%, 13.84%, 7.38% and 7.79% for the previous four weeks respectively. The increased mortality has been attributed to PD, exacerbated by the handling of fish during recent treatments.

External examination showed haemorrhaging of the ventrum of F2-5, with those fish also appearing anorexic. A lesion was observed on the flank of F4. The lice load of the fish was between 5 – 15 (all stages).

Internal examination showed mild petechial haemorrhaging of the liver in F3, a lack of fat was observed on the pyloric caeca of F2-5. The spleen appeared enlarged in F3-5, with granulomas present in the spleen and kidney of F3-4. Yellow pseudo faeces were present in the gut of all five fish.

Samples

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

Fish number	Pool number	Facility number	Species	Stage	Origin
1-5	1	11	Atlantic salmon	~2 kg 2018 S1	North Uiskevagh

Results

Bacteriology: Kidney, gill and lesion material from F1-5 were inoculated onto appropriate media for the isolation of bacteria.

The following bacteria were isolated:

Aeromonas sp. – kidney (F2-5), gill (F1-5) and lesion (F4)

Vibrio sp. – kidney (F2, F5) and gill (F2, F3)

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)

Pool Number	Endogenous control Cp value	Cp Values			Reported Result (PCR)
P1	16.15	36.92	36.76	37.46	POSITIVE

R09

Infectious pancreatic necrosis virus (IPNV)

Pool Number	Endogenous control Cp value	Cp Values			Reported Result (PCR)
P1	17.07	20.57	19.82	20.30	POSITIVE

The samples tested negative for infectious haematopoietic necrosis virus (IHNV), infectious salmon anaemia virus (ISAV), viral haemorrhagic septicemia virus (VHSV) and piscine myocarditis virus (PMCV)

Histology: Tissue samples of gill, skin and skeletal muscle, heart, pyloric caeca, pancreas, hind gut, liver, spleen and kidney were taken from F1-5. The tissue samples were fixed in 10% neutral buffered formalin.

Histopathological examination revealed the following:

Gill: F1 showed a nodular tissue growth with tissue resembling cartilage at the centre. This cartilage-like tissue is surrounded by fibrous tissue and likely newly formed vessels. The most external layer resembles epithelial stratification. F2 and F3 showed two small foci of lamellar adhesions and two lamellar thrombi.

Skin & Muscle: Few scattered skeletal white fibres showing a pale H&E stain (F2) and some skeletal red fibres showing increase in eosinophilia (F4).

Heart: Mild pericarditis (F1, F3, F5). Several nests of inflammatory cell infiltration (F1, F3) and small foci of myocardial fibre degeneration at the compact spongy layer junction (F3), some endocardial thickness noted in atrium (F2).

Gut and pyloric caeca: Few fibrous adhesions associated with vaccine administration noted in F1, F2, F3 & F4.

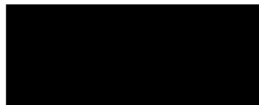
Pancreas: Within normal range.

Liver: Mild multifocal diffuse hepatic vacuolation (macroviscules) (F5).

Kidney: Within normal range.

Spleen: Within normal range.

Signed:



Fish Health Inspector

Date: 25/07/2019

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Marine Scotland website at www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter

R09

[REDACTED]
The Scottish Salmon Company
1 Smithy Lane
Lochgilphead
Argyll
PA31 8TA
[REDACTED]

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS No	FB0169	DATE OF VISIT	27/06/2019
SITE No	FS1315	SITE NAME	Maaey
INSPECTOR	[REDACTED]	CASE No	20190303

The fish health inspectorate accompanied an inspector from the Animal and Plant Health Agency during an unannounced visit to the above site.

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

Records

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.

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.

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).

R10

On this occasion recommendations were issued in relation to parasites (sea lice):

- A record must be maintained of the reason for not conducting a weekly count of parasites in the event that such a count is not undertaken in any week.

Please ensure that these points have been addressed by 30/08/2019. Records or documentation demonstrating that these points have been addressed should be sent to the Fish Health Inspectorate (contact details below). The site may be subject to further inspection or enforcement action should the appropriate action regarding the above points not be taken within the time period stipulated.

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

Signed:



Date: 24/07/2019

Fish Health Inspector

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Marine Scotland website at www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter

[REDACTED]
The Scottish Salmon Company
1 Smithy Lane
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PA31 8TA
[REDACTED]

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS No	FB0169	DATE OF VISIT	27/06/2019
SITE No	FS1315	SITE NAME	Maaey
INSPECTOR	[REDACTED]	CASE No	20190303

Case completion report

Recommendations in relation to the above case were made for implementation by 30/08/2019. Following submission of the required documentation, evidence has now been provided to Marine Scotland to demonstrate that the recommendations have been implemented.

This case will now be closed. This site may be subject to further audit and recommendations in the future.

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

Signed:

[REDACTED]

Date: 16/09/2019

Fish Health Inspector

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Marine Scotland website at www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter



F1 – F2



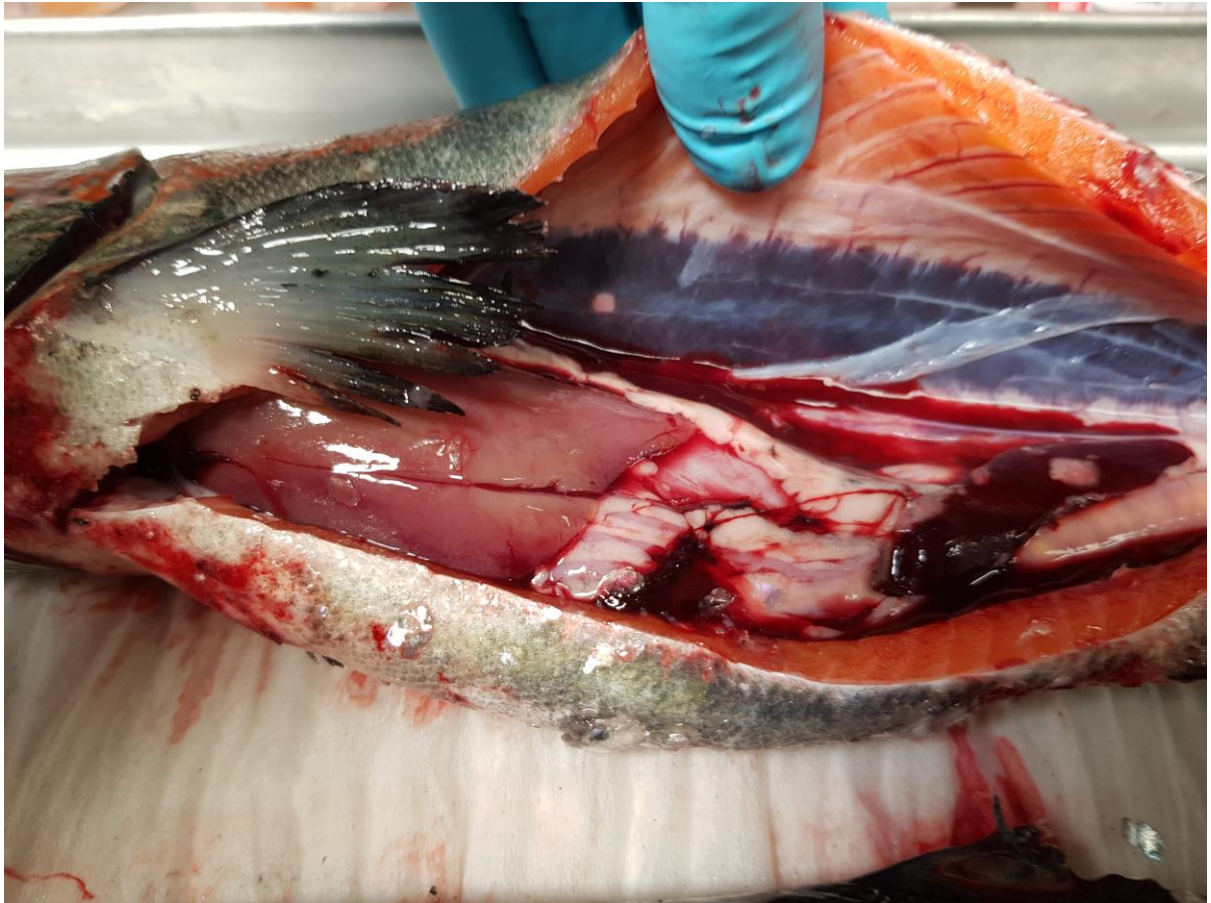
F3, F4, F5



F1



F2



F3



F4



F5

Case No: Date of visit:

Time spent on site: Main Inspector:

Site No: Site Name:

Business No: Business Name:

Case Types: 1 2 3 4 5 6

Water Temp (°C): Thermometer No: FHI 045 completed

Observations: Region: WI Water type: S CoGP MA W-15

Dead/weak/abnormally behaving fish present? If yes, see additional information/clinical score sheet.
 Clinical signs of disease observed? If yes, see additional information/clinical score sheet.
 Gross pathology observed? If yes, see additional information/clinical score sheet.
 Diagnostic samples taken?

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

Additional Case Information:

Unannounced site inspection accompanying APHA vet, following reports made to both FHI and APHA on 15/06/2019 of increased mortality at a site operating in the Uiskevagh area. Site manager was not present at time of inspection, so the manager from a neighbouring site attended in their place.

Site began harvesting 16/06/19.

Sea lice counts inspected to record exact counts above reporting criteria. Business had reported all counts above 3 as >3 <8. see sea lice counts page for details. Where no counts were listed there was no record of the reason why.

During inspection of cages, a number of lethargic fish with white head damage were observed in Cage 6, some fish also showing jumping behaviour. Diagnostic samples taken.

Case No: **2019-0304** Site No: **FS1304**
 Date of Visit: **27/06/2019** Inspector(s): **[REDACTED]**

Registration/Authorisation Details

- 1. Business/site details summary checked by site representative? **Y**
- 2. Changes made to details? **N**

Site Details

Total No facilities	10	Facilities stocked	9	No facilities inspected	10
Species	SAL LUM				
Age group	2018 S1	2019			
No Fish	604,421	31,000			
Mean Fish Wt	3.4 kg	Mix			
Next Fallow Date (Site)	November 2019		Next Input Date (Site)	Spring 2020	

Recent (last 4 wks) disease problems? **N** Any escapes (since last visit)? **N**
 If yes, detail: **[REDACTED]**

Movement Records

- 1. Movement records available for inspection? **Y**
- 2. Date of last inspection: **06/06/2018**
- 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)? **[REDACTED]**
 If yes, is there a system in place for maintenance of transportation records? **[REDACTED]**

Mortality Records

- 1. Mortality records available for inspection? **Y**
- 2. How are mortalities disposed of? **Other (detail)**
- If other detail: **Whole Fish whiteshore cockles**
- 3. Mortality records complete and correctly entered? **Y**
- 4. Recent mortality (last 4 wks): **13057 (2.04%) across site - post-treatment mortality**
- 5. Evidence of recent increased/atypical mortalities? **Y**
- If yes, facility nos/no mortality per facility/no stock per facility/reason:
w/b 17/06/19 - 10595 (1.75%)
- 6. Any other peaks in mortality during period checked? **Y**
- If yes, detail: **w/b 13/05/2019 - 21297 (3.18%) - post treatment mortality**
- 7. Have increased (unexplained) mortalities been reported to vet or FHI? **Y**
- If yes, detail action: **Reported to vet and FHI**
- 8. Have 'mortality events' been reported to FHI? If no, add MRT case and enter on mortality events sheet. **Y**

1. Recent treatments (last 4 wks)?	<input type="checkbox"/>	N
If yes, detail:	<input type="text"/>	
If other, detail:	<input type="text"/>	
2. Medicines records available for inspection?	<input type="checkbox"/>	N/A
3. Are records complete and correctly entered?	<input type="checkbox"/>	
4. Are fish in a withdrawal period?	<input type="checkbox"/>	N/A
5. If yes, what treatment(s)?	<input type="text"/>	
If other, detail:	<input type="text"/>	
6. Are medicines stored appropriately?	<input checked="" type="checkbox"/>	Y

Biosecurity Records

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

Results of Surveillance

1. Has any animal health surveillance been carried out by, or on behalf of, the business?	<input checked="" type="checkbox"/>	Y
2. If yes, are results available for inspection?	<input checked="" type="checkbox"/>	Y
3. Any significant results?	<input type="checkbox"/>	N
If yes, detail (if not detailed under recent disease problems).	<input type="text"/>	
<input type="text"/>		

Records checked between:

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	P1						
Fish nos	1	2	3	4	5	1-5						
Pool Group	P1	P1	P1	P1	P1							
Species	SAL	SAL	SAL	SAL	SAL							
Average weight	3.5 Kg	3.5 Kg	3.5 Kg	3.5 Kg	3.5 Kg							
Sex	N/A	N/A	N/A	N/A	N/A							
Water Type	SW	SW	SW	SW	SW							
Stock Details		Russel Burn	Russel Burn	Russel Burn	Russel Burn	Russel Burn						
	Stock Origin											
Facility No	6	6	6	6	6							

Case no: 2019-0304

Site No: FS1304

Method of killing: Percussive

Date of visit: 27/06/2019

Inspector(s):

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)		1 hour	1 hour	1 hour	1 hour	1 hour						
External Signs												
Behaviour	Moribund											
	Lethargic	m	m	m	m	m						
	Hanging vertical											
	Spiralling											
	Flashing											
	Loss of equilibrium											
Body	Dark											
	Distended abdomen											
	Anorexic											
	Scale Oedema											
Opercula	Shortened											
	Flared											
Haemorrhaging	Throat											
	Ventrum	m	w		m	m						
	Base of fins					m						
	Elsewhere											
Eyes	Exophthalmic											
	Enophthalmic (sunken)											
	Cataract											
	Haemorrhagic											
Gills	Pale	w	w	w	w	w						
	Zoned											
	Necrotic											
Lesions	Flank											
	Elsewhere											
Vent	Inflamed											
	Trailing faeces											
Lice Load	Estimate numbers	13	8	11	9	8						
Internal Signs												
Ascites	Clear											
	Bloody											
Oedema	In tissues											
Heart	Pale/anaemic											
	Granulomas											
	Deformed			w								
Liver	Petechial haem		w	m	w	w						
	Gross haem											
	Tissue breakdown											
	Enlarged											
	Colour number(s)											
	Granulomas											
	Lesions											
Pyloric caeca	Petechial haem											
	Tubules mauve											
	Lack of fat					m						
Spleen	Enlarged					m						
	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:

All fish had white head damage. F5 had scrubbing damage and haemorrhaging on flank.

Site No: FS1304

Case No: 2019-0304

Nature of non-compliance:

Action taken (FHI):

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

Case No: 2019-0304

Date of visit: 27/06/2019

Site No: FS1304

Inspector: [Redacted]

Results Summary	Freq.	Date of Notification						
		Database	Insp	Phone	Insp	Writing	Insp	2 nd Insp
MG_IHN	0/1	02/07/2019	[Redacted]	02/07/2019	[Redacted]	24/07/2019	[Redacted]	[Redacted]
MG_ISA	0/1	02/07/2019	[Redacted]	02/07/2019	[Redacted]	24/07/2019	[Redacted]	[Redacted]
MG_SAV	1/1	15/07/2019	[Redacted]	15/07/2019	[Redacted]	24/07/2019	[Redacted]	[Redacted]
MG_VHS	0/1	02/07/2019	[Redacted]	02/07/2019	[Redacted]	24/07/2019	[Redacted]	[Redacted]
MG_IPN	1/1	02/07/2019	[Redacted]	02/07/2019	[Redacted]	24/07/2019	[Redacted]	[Redacted]
BA_NSIG	5/5	11/07/2019	[Redacted]	11/07/2019	[Redacted]	24/07/2019	[Redacted]	[Redacted]
BA_AERO	5/5	11/07/2019	[Redacted]	11/07/2019	[Redacted]	24/07/2019	[Redacted]	[Redacted]
HIST_PMCH	5/5	18/07/2019	[Redacted]	23/04/2019	[Redacted]	24/07/2019	[Redacted]	[Redacted]
HIST_AMGD	2/5	18/07/2019	[Redacted]	23/04/2019	[Redacted]	24/07/2019	[Redacted]	[Redacted]
HIST_GPAT	3/5	18/07/2019	[Redacted]	23/04/2019	[Redacted]	24/07/2019	[Redacted]	[Redacted]
HIST_CGDH	3/5	18/07/2019	[Redacted]	23/04/2019	[Redacted]	24/07/2019	[Redacted]	[Redacted]
HIST_EPIT	2/5	18/07/2019	[Redacted]	23/04/2019	[Redacted]	24/07/2019	[Redacted]	[Redacted]
HIST_HPAT	4/5	18/07/2019	[Redacted]	23/04/2019	[Redacted]	24/07/2019	[Redacted]	[Redacted]
HIST_MPAT	4/5	18/07/2019	[Redacted]	23/04/2019	[Redacted]	24/07/2019	[Redacted]	[Redacted]
HIST_LPAT	2/5	18/07/2019	[Redacted]	23/04/2019	[Redacted]	24/07/2019	[Redacted]	[Redacted]
HIST_SPAT	3/5	18/07/2019	[Redacted]	23/04/2019	[Redacted]	24/07/2019	[Redacted]	[Redacted]
HIST_SALH	3/5	18/07/2019	[Redacted]	23/04/2019	[Redacted]	24/07/2019	[Redacted]	[Redacted]

Report Summary			
Case Type	Date	Insp	2 nd Insp
DIA	24/07/2019	[Redacted]	[Redacted]
REP, UNI	24/07/2019	[Redacted]	[Redacted]
Case complete	16/09/2019	[Redacted]	[Redacted]

[REDACTED]
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PA31 8TA
[REDACTED]

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS No	FB0169	DATE OF VISIT	27/06/2019
SITE No	FS1304	SITE NAME	Maragay Mor
INSPECTOR	[REDACTED]	CASE No	20190304

Section 1: Summary

An unannounced inspection was carried out at the above site following reports of increased mortality. During the inspection of the site a number of lethargic fish with evidence of white heads were observed in cage 6. Five fish were removed for further examination and subsequent sampling.

Histopathology examination revealed mild multifocal proliferative pathology in the gills, presence of epitheliocystis and a few amoebic cells suggestive of mild amoebic gill disease (AGD). Splenic and hepatic necrosis was also noted. Examination also showed tissue alterations resembling pancreas disease (PD). QPCR testing confirmed the presence of salmonid alphavirus (SAV), the causative agent of pancreas disease.

Sample tested positive by QPCR for infectious pancreatic necrosis virus (IPNV). However histopathology results were not consistent with IPN pathology.

QPCR testing was positive for infectious pancreatic necrosis virus (IPNV). However histopathology results were not consistent with IPN pathology.

Aeromonas sp. was isolated, however the level and mixed nature of growth would not suggest to be 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.

R09

Section 2: Case Detail

Observations

During inspection of the cages on site a number of lethargic fish were observed in cage 6. Five fish were removed for further examination and subsequent diagnostic sampling.

Mortality had increased the previous week, with a mortality level of 1.75% across site attributed to post-treatment losses.

External examination showed haemorrhaging of the ventrum on F1, F2, F4 and F5. F5 also had evidence of haemorrhaging at the base of its fins and physical damage on the flank. Gills were slightly pale in all fish. The lice load on the fish were between 9 -13 (all stages).

Internal examination showed petechial haemorrhaging in the liver of F2-5. The heart of F3 appeared deformed. F5 showed a lack of fat on the pyloric caeca and an enlarged spleen.

Samples

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

Fish number	Pool number	Facility number	Species	Stage	Origin
1-5	1	6	Atlantic salmon	~3.5 kg 2018 S1	Russel Burn

Results

Bacteriology: Kidney and gill material from F1-5 were inoculated onto appropriate media for the isolation of bacteria.

The following bacteria were isolated:

Aeromonas sp. – kidney (F2, F5), gill (F1-4)

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)

Pool Number	Endogenous control Cp value	Cp Values			Reported Result (PCR)
P1	17.08	31.29	31.67	31.56	POSITIVE

Infectious pancreatic necrosis virus (IPNV)

Pool Number	Endogenous control Cp value	Cp Values			Reported Result (PCR)
P1	17.31	25.30	25.46	25.64	POSITIVE

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

R09

Histology: Tissue samples of gill, skin and skeletal muscle, heart, pyloric caeca, pancreas, hind gut, liver, spleen and kidney were taken from F1-5. The tissue samples were fixed in 10% neutral buffered formalin.

Histopathological examination revealed the following:

Gill: Very mild multifocal interlamellar hyperplasia and lamellar fusion (F1 & F4). Few amoebic cells resembling *Neoparamoeba perurans* were noted in F1 & F4. Few numbers of basophilic epithelial inclusions (likely epitheliocystis) noted in F3 & F4 and several scattered aneurysmal dilation/telangiectasia and lamellar thrombi. Generalised lamellar epithelial lifting noted in all fish (likely post mortem artefacts).

Skin & Muscle: Small foci of inflammatory cell infiltration and fibrosis noted in skeletal red muscle (F1, F2, F3 & F4) and white muscle (F4).

Heart: Mild multifocal areas of inflammatory cell infiltration and mild myocardial fibre degeneration (F1, F4 & F5), several small thrombi (F3).

Gut and pyloric caeca: Epithelial cell sloughing (likely post mortem artefacts) (F1 F5). Some Inflammatory cell infiltration noted in the abdominal adipose tissue (F1).

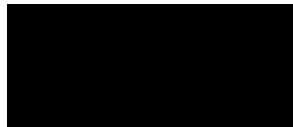
Pancreas: Within normal range.

Liver: Mild multifocal inflammatory cell infiltration and hepatic necrosis (F2, F3) and some apoptotic cells (F2).

Kidney: Within normal range.

Spleen: Mild splenic necrosis (F1).

Signed:



Fish Health Inspector

Date: 25/07/2019

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Marine Scotland website at www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter

[REDACTED]
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[REDACTED]

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS No	FB0169	DATE OF VISIT	27/06/2019
SITE No	FS1304	SITE NAME	Maragay Mor
INSPECTOR	[REDACTED]	CASE No	20190304

The fish health inspectorate accompanied an inspector from the Animal and Plant Health Agency during an unannounced visit to the above site.

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

Records

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.

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.

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).

On this occasion recommendations were issued in relation to parasites (sea lice):

- A record must be maintained of the reason for not conducting a weekly count of parasites in the event that such a count is not undertaken in any week.

R10

Please ensure that these points have been addressed by 30/08/2019. Records or documentation demonstrating that these points have been addressed should be sent to the Fish Health Inspectorate (contact details below). The site may be subject to further inspection or enforcement action should the appropriate action regarding the above points not be taken within the time period stipulated.

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

Signed:

A black rectangular box redacting the signature of the Fish Health Inspector.

Date: 24/07/2019

Fish Health Inspector

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Marine Scotland website at www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter

R10

Marine Laboratory, 375 Victoria Road, Aberdeen, AB11 9DB
Tel - 0131 244 3498 Fax - 01224 295620 Email - ms.fishhealth@gov.scot
Website - www.gov.scot/Topics/marine/science

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FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS No	FB0169	DATE OF VISIT	27/06/2019
SITE No	FS1304	SITE NAME	Maragay Mor
INSPECTOR	[REDACTED]	CASE No	20190304

Case completion report

Recommendations in relation to the above case were made for implementation by 30/08/2019. Following submission of the required documentation, evidence has now been provided to Marine Scotland to demonstrate that the recommendations have been implemented.

This case will now be closed. This site may be subject to further audit and recommendations in the future.

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

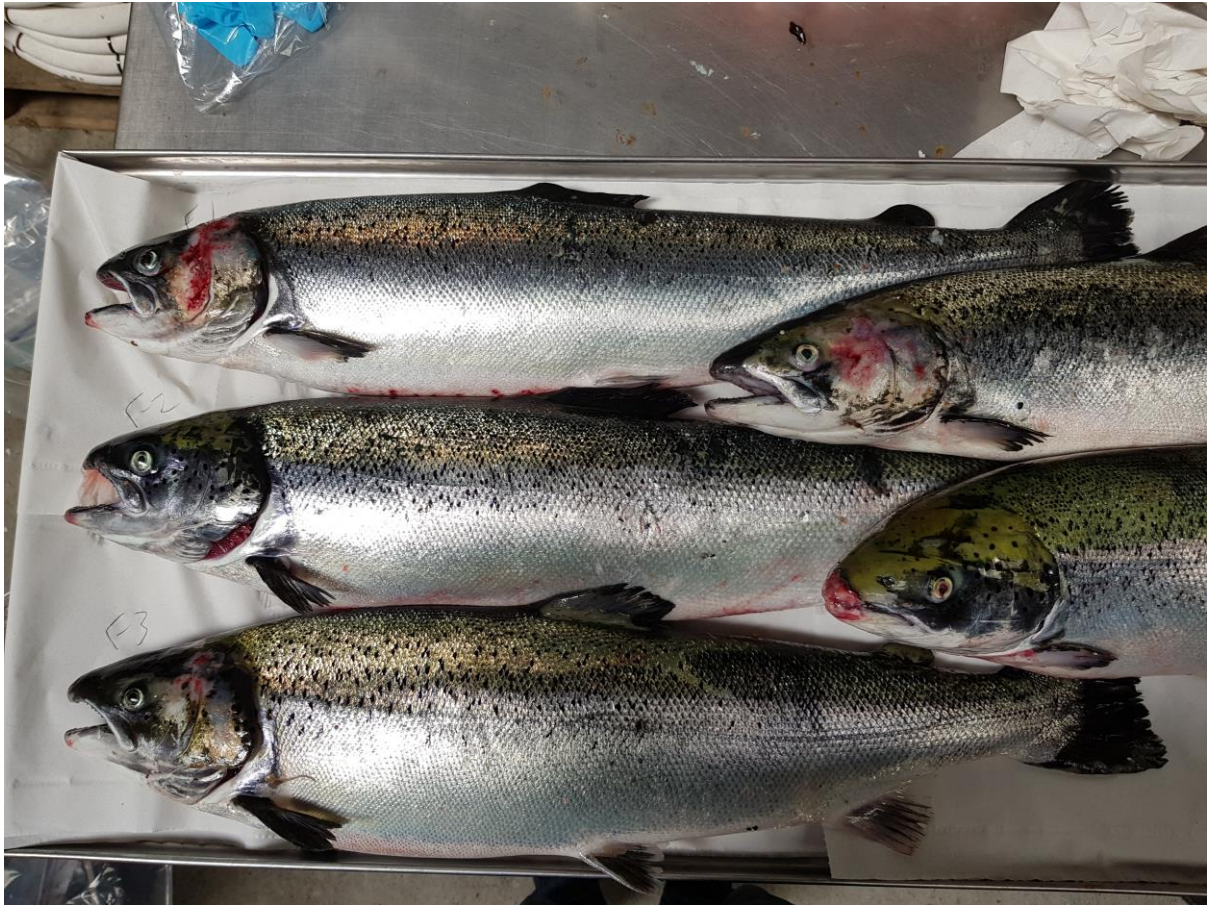
Signed:

[REDACTED]

Date: 16/09/2019

Fish Health Inspector

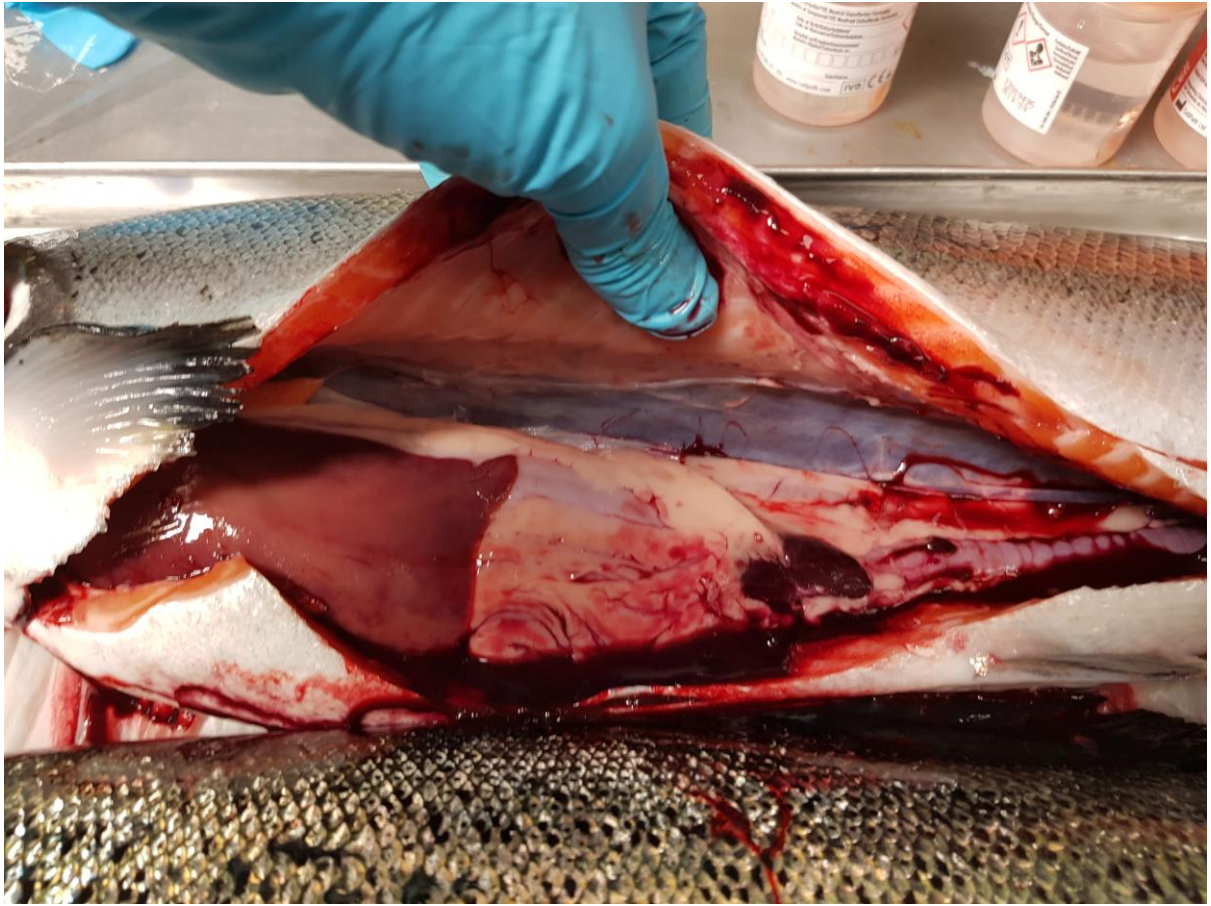
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F1, F2, F3



F4 – F5



F1



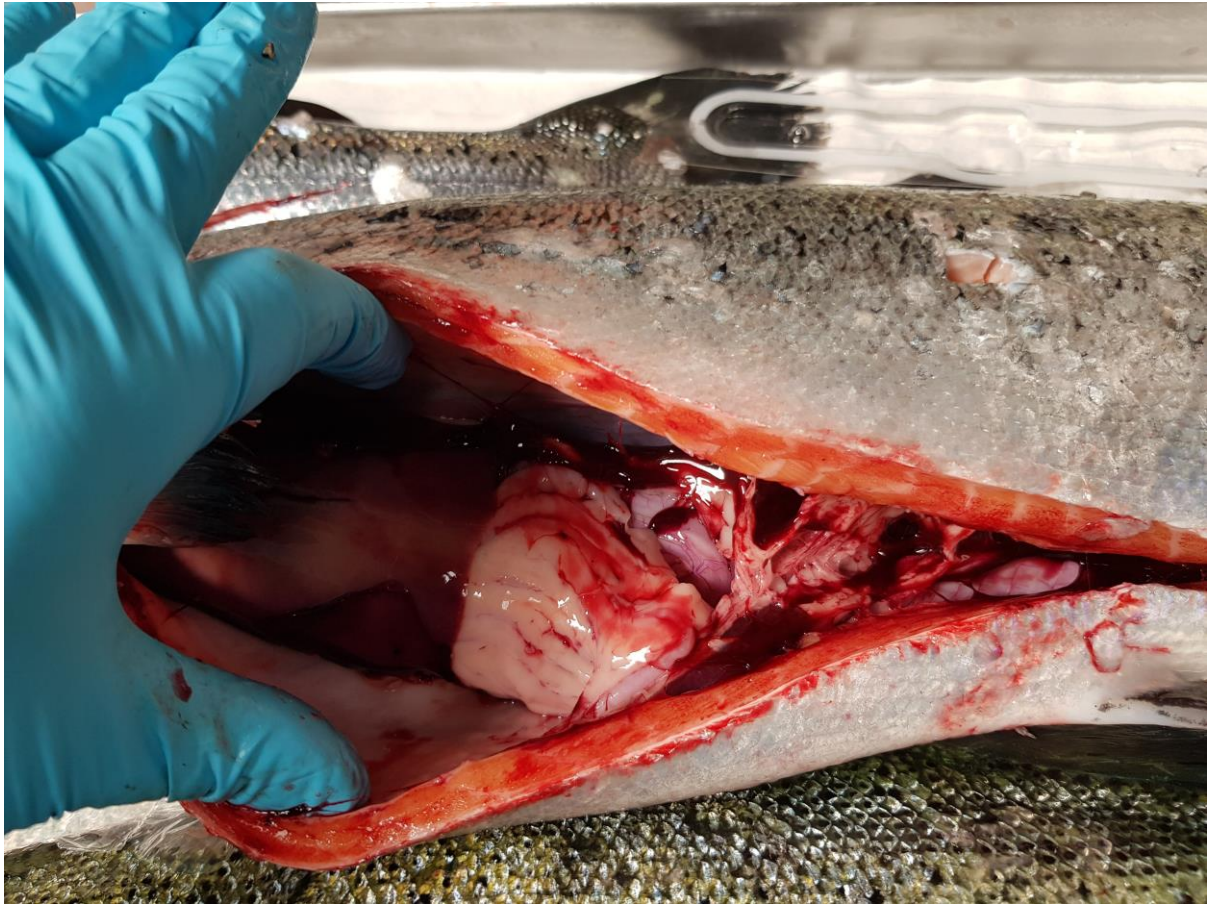
F2



F3



F3 – Heart



F4



F5