

Case No:	2019-0138		Date of visit:	28/03/2019	
Time spent on site:	8 hrs		Main Inspector:		
Site No:	FS1175	Site Name:	Gob na Hoe		
Business No:	FB0440	Business Name:	Grieg Seafood Shetland Ltd		
Case Types:	1 ECI	2 SLI	3 CNA	4 VMD	5
Water Temp (°C):	8.3	Thermometer No:	T205	FHI 045 completed	N/A
Observations:	Region:	HI	Water type:	S	CoGP MA M-25
Dead/weak/abnormally behaving fish present?	<input type="checkbox"/>	Y 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:

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**Additional Case Information:**

FS number not recorded in movement book, this was raised with the site manager at the time of inspection and it was agreed that this would be recorded moving forward.

a new movement book has been sent out for Gob na Hoe as their current one was almost full

Optilicer used in week 10 , pen 2 and 3 had increased mortality post treatment. High mortality was observed in pen 4 which has had ongoing gill issues. Mortality numbers went over the reporting threshold post treatment, this mortality event was not reported at the time, and was picked up during the inspection.

During visual inspection of pens some fish were observed with physical damage to heads and tails. Site staff noted that this is localised to the larger fish which are more susceptible to damage when going through the optilicer. It was also noted that that the optilicer treatments were very effective at clearing the fish of lice.

Low to medium fowling was observed on the nets, the site has recently started using a new net washing boat which is making its way around both GNH and Leinish, using the auto boss net cleaning system. The boat is hired in along with the dive team from a third party contractor.

During inspection of the divers logs, it was noted that holes had been observed and repaired at Pen 8 on the 25/3/19, another set of holes was noted in pen 3 on the 15/2/19 in the dive logs. The divers log noted there were 4 holes in the sock repaired and 1 large hole repaired with a 2 meter patch. The site manager has been asked to provide further information on these dive reports and a notifications of potential escapes if necessary

Inspection and paperwork conducted by [REDACTED] supervised by [REDACTED]

Records received 26/7/2019, further records requested. Deadline extended by 30 days to provide additional requested documents. New deadline 31 August 2019.

Documents received on the 3rd of August 2019.

Case No: **2019-0138** Site No: **FS1175**  
 Date of Visit: **28/03/2019** 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	<b>7</b>	Facilities stocked	<b>6</b>	No facilities inspected	<b>7</b>
Species	<b>Sal</b>				
Age group	<b>18 S0's</b>				
No Fish	<b>319,502</b>				
Mean Fish Wt	<b>4.3 kilos</b>				
Next Fallow Date (Site)	<b>Apr-19</b>	Next Input Date (Site)	<b>sep 19</b>		

Recent (last 4 wks) disease problems? **Y** Any escapes (since last visit)? **Y**  
 If yes, detail: **ongoing gill issues and an escape from pen 3.**

**Movement Records**

1. Movement records available for inspection? **Y**  
 2. Date of last inspection: **20/02/2019**  
 3. Are records complete and correctly entered? **N**  
 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? **Other (detail)**  
 If other detail: **whole fish - Billie bowie (biogas plant dumfries)**  
 3. Mortality records complete and correctly entered? **Y**  
 4. Recent mortality (last 4 wks): **wk10(3216-1.39%)wk11(1603 - 0.74%)wk(1401 -0.42%) wk13(169 - 0.05%)**  
 5. Evidence of recent increased/atypical mortalities? **Y**  
 If yes, facility nos/no mortality per facility/no stock per facility/reason:  
**see additional comments**

6. Any other peaks in mortality during period checked? **Y**  
 If yes, detail: **See Mortality event sheet**  
 7. Have increased (unexplained) mortalities been reported to vet or FHI? **Y**  
 If yes, detail action: **Vets had been in attendance due to ongoing gill issues.**  
 8. Have 'mortality events' been reported to FHI? If no, add MRT case and enter on mortality events sheet. **N**

1. Recent treatments (last 4 wks)?	<input type="checkbox"/>	Y
If yes, detail:	Salmosan (1 and 5) TMS for lice counts	
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 increased (unexplained) 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 how and when 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).		

Severe lesions observed on gills in pen 4, CMS detected in pen 8 with pathology observed in 8 and 4. No CMS detected in pen 4

Records checked between: 20/02/19-28/03/19

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												
Pool Group													
Species	SAL												
Average weight	4.3kilos												
Sex	N/A												
Water Type	SW												
Stock Details		Cortarach											
	Stock Origin												
Facility No	8												



Case Number:	2019-0138	Site No:	FS1175	Insp:		
Date of Visit	28/03/2019	No of movements/supp./dest.			Score	
<b>Live fish movements</b>		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
<b>Exposure via water</b>	<b>Site contacts</b>	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		
<b>Management practices</b>		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				
<b>Biosecurity</b>	<b>Number of sites</b>	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				
<b>CoGP/Regulator</b>						
Practices in accordance with regulator or industry code of practice	Yes	0				0
	No	3				
Platform access to cages	Yes	0				0
	No	2				
<b>Total Rank</b>					<b>20</b>	<b>MEDIUM</b>

Case No: **2019-0138**

Site No: **FS1175**

**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)

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: FS1175

Date of Visit: 28/03/2019

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?

Case No: 2019-0138 Site No: FS1175

Date of visit: 28/03/2019 Inspector(s):

Point of compliance	Risk level	Satisfactory?	Requirement	Comments and advice given or action taken if necessary
<b>ENHANCED CONTAINMENT INSPECTION (SEAWATER)</b>				
<b>a. Enquiry relating to i) escape incidents and ii) contingency procedures</b>				
1.1. Have escape incidents or events been experienced on or in the vicinity of the site since the last MSS inspection?		Y		
<b>If yes answer 1.2-1.8:</b>				
1.2. Have appropriate reports been made to Scottish Government within 24 hours of discovery?	High	Y	AAAH Regs <sup>4</sup> 31D,E	
1.3. Have these been reported to the SSPO <sup>2</sup> and, where in existence, the local DSFB and fisheries trust?	Medium	N	CoGP 4.4.37, 5.4.17	Site manager does not deal with the SSPO, and they were not reported to local fisheries trust.
1.4. Were methods (if any) used to recover escapees?		N/A		No fish were reported as escaped.
If yes give detail				
1.5 Was the decision to attempt to recapture and the method employed agreed with the local DSFB and FT	Low	N/A	CoGP 4.4.38, 5.4.18	
1.6. Was permission sought from Marine Scotland prior to recapture?	Medium	N/A	CoGP 4.4.38, 5.4.18	
1.7 Were the gill nets deployed in accordance with the permission issued by Marine Scotland?	Low	N/A	CoGP 4.4.38, 5.4.18	
1.8. In light of the escape event, has appropriate action been taken to prevent and minimise the risk of further escapes?	High	Y		RT1 - LF seal deterrent moved up to GNH in response to seal attack, Net that had hole in was nylon but emptied and repaired. Some nets have seal pro nets - only 2 (possibly) nets are nylon nets. Only one left in use. Site due to be harvested out by May 2019.
1.9. Is there a site specific contingency plan in response to failures in containment, aimed at preventing escapes and recovering escaped fish?	High	Y	SSI, 2,9	There is a line about repairing any damage to nets as soon as discovered. This could be included in the escape SOP in future. However on all of the barges there are directions for fixing and reporting escapes as soon as they occur.
<b>b(i). Inspection of records relating to equipment, facilities and the site</b>				
General records			CoGP: 4.4.9, 4.4.14, SSI 2,1	
2.1 With regard to each facility, net, screen and mooring at each site, a record should be maintained of:-				
		Facilities	Moorings	Nets

Point of compliance	Risk level	Satisfactory?	Requirement		Comments and advice given or action taken if necessary
a) The name of the manufacturer	Low	Y	Y	Y	The pens and mooring system are very new - so have not had full inspections conducted as these occur at the end of a cycle, However a daily visual inspection in conducted by site staff.
b) Any special adaptations	Low	y	Y	Y	
c) The name of the supplier	Low	y	Y	Y	
d) The date of purchase	Low	y	Y	Y	
e) Each inspection including					
i) the name of the person conducting the inspection	Low	y	Y	Y	
ii) the date of each inspection	Medium	y	Y	Y	
iii) the place of each inspection	Low	y	Y	Y	
iv) the outcome of each inspection	High	y	Y	Y	
f) the date and result of each repair, equipment test and antifouling treatment carried out	High	y	Y	Y	
2.2. In relation to each net a record of:					
i) The mesh size	Medium	Y	SSI, 2,2		
ii) The code which appears on the identification tag	Medium	Y			
iii) The place of use, storage and disposal	Medium	Y			
iv) The depth of water between the bottom of the net and the seabed as measured at the mean low water spring	Low	Y			
2.3. In relation to each facility a record of:					
i) The date of construction	Low	Y	SSI, 2,3		
ii) The material used in construction	Low	Y			
iii) Its dimensions	Low	Y			
2.4. In relation to each mooring a record of-					
i) The date of installation	Low	Y	SSI, 2,4		
ii) The design and weight of the anchors	Low	Y			
iii) The length of the mooring ropes or chains	Low	Y			
2.5. A record of any navigation markers deployed at each site at which fish are farmed	Low	N	SSI, 2,5		Not recorded on site maps as the navigational marker it put on the same place (middle of group east side), spoke to manager about recording the specific location of the navigational marker.
2.6 In respect of sites at which fish are farmed in inland waters <sup>3</sup>					
a) The type, method of and date of construction of any flood prevention or flood defence measures in place	Low		SSI, 2,6		
b) The date of and results of any tests conducted on any such measures	Low				
c) The date of any incident where the site was flood	Low				

Point of compliance	Risk level	Satisfactory?	Requirement	Comments and advice given or action taken if necessary
d) The water course height during any such flood incident	Low			
2.6 A record of-			SSI, 2,7	
a) The date of any severe weather event which caused damage to any facility, net or mooring	Medium	Y	SSI, 2,11 (a)	Bad weather is recorded in the daily site records.
b) Any action taken to rectify any such damage	High	N/A	SSI, 2,11 (b)	No damage from severe weather has occurred at the site. But would be recorded on site repairs sheet and daily inspection sheets.
<b>Pen and mooring systems</b>				
2.7 Are there documented procedures maintained regarding the selection and installation of pens and moorings?	High	Y	CoGP 4.4.8, 4.4.13	There is a specific SOP for the inspection of pens, nets, moorings.
2.8 Can the site demonstrate evidence that the design specification of pens and moorings are suitable for purpose and correctly installed?	High	Y	CoGP 4.4.9, 4.4.14	
2.9 Do pen systems meet the manufacturers guidelines?	High	Y	CoGP 4.4.10	
2.10 Are pen systems inspected and approved by suitably qualified / experienced person(s)?	High	Y	CoGP 4.4.11	
2.11 Is there evidence of the competence of personnel involved in the design, installation and maintenance of pen and mooring systems?	High	Y	CoGP 4.4.12, 4.4.15	
2.12 Are pen and mooring components inspected with a) a documented SOP b) a documented inspection plan based on a risk assessment	High	Y	CoGP 4.4.16	
2.13 Do all nets used on site meet industry standards?	High	Y	CoGP 4.4.17	
2.14 Can the site demonstrate an awareness of the minimum fish size in relation to net size	High	Y	CoGP 4.4.19	
2.15 Does the net design, quality and standard of manufacture take into account the conditions that are likely to be experienced on site and include adequate safety margins?	High	Y	CoGP 4.4.20	
2.16 Are nets treated with a UV inhibitor?	Low	Y	CoGP 4.4.21	
2.17 Are nets tested at a pre-determined frequency?	High	Y	CoGP 4.4.22	
2.18 Is the method of test procedure based upon the manufacturers advice?	High	Y	CoGP 4.4.22	
2.19 Are frequent net inspections conducted to look for damage?	High	Y	CoGP 4.4.23	
2.20 Are net inspection records maintained?	High	Y	CoGP 4.4.23	
2.21 Is the system by which nets are attached to the pen and weighted inspected frequently?	High	Y	CoGP 4.4.24	

Point of compliance	Risk level	Satisfactory?	Requirement	Comments and advice given or action taken if necessary
2.22 Where damage to nets and/or associated fittings has occurred, or the potential for damage exists, has remedial action been taken?	High	Y	CoGP 4.4.25	
<b>b(ii). Inspection of records relating to training</b>				
3.1 Are training programmes and plans relevant to the various onsite activities documented?	High	Y	CoGP 7.1.8	Mentioned about adding a section to the SOP about checking nets before crowding. This is common practice in training on site, but needs added to all related SOP's
3.2 Is there a satisfactory record of all training and qualifications for each person working at the site in relation to any boat operations? (This excludes well boat operations)	High	Y	SSI 2,6,a	
3.5 With respect to any transfer of or handling of fish is there a record of all training of each person working on site in relation to containment and prevention of escape of fish, and recovery of escaped fish?	High	Y	SSI 2,7,a	
<b>b(iii). Inspection of records relating to procedures and risk assessments</b>				
4.1 Are procedures which could increase the risk of fish escaping considered to be carefully planned and supervised to minimise risk?	High	Y	CoGP 4.4.29, 5.4.12	Boats belonging to sites not fitted with full propeller guards. So no records of this is kept on site.
4.2 Before procedures are conducted on site, are the following in place:			CoGP 4.4.30, 5.4.13 SSI 2,7, b , SSI 2, 8, c	
a) a documented risk assessments	High	y		
b) standard operating procedures	High	y		
c) contingency plan	High	y		
4.3 In relation to any boat operations at each site at which fish are farmed is there a record of				
-The type and size of each boat used for operations on the site	Low	Y	SSI 2,6,b	
- The type and size of any propeller guard fitted to each boat used on the site	Low	N/A	SSI 2,6,c	
4.4 Does the site suffer from regular or heavy predation?		y		
4.5 Are there records of site specific risk assessments ascertaining the risk of predator attack?	Medium	Y	CoGP 4.4.26	
4.6 Are there risk assessments undertaken on a pre-determined frequency?	Low	Y	CoGP 4.4.26	
4.7 A record of any anti-predator measures undertaken at each site at which fish are farmed including:			SSI, 2,8,a	
The type and location of each net, fence and scarer deployed	Medium	Y		

Point of compliance	Risk level	Satisfactory?	Requirement	Comments and advice given or action taken if necessary
- The use of lethal means by any person involved in operations on the site	Low	Y	SSI, 2,8,a	Procedures in place but no lethal means used currently.
4.8 Where predator nets are deployed is the advice of Annex 7 considered?	Low	N/A	CoGP 4.4.27	No predator nets fitted to site as not suitable
<b>c. Inspection of site and site equipment</b>				
5.1 Are there any obvious containment issues on the site?	High	N	CoGP 4.4.18	
5.2 Is the net mesh size considered to be capable of containing all fish sizes present on site?	High	Y		

Point of compliance	Risk level	Satisfactory?	Requirement	Comments and advice given or action taken if necessary	
5.3 Do nets carry numbered ID tags?	Low	Y	SSI 2,2 ii	Nets not stored on site. tensioned nets, seal pro nets on 6/8 nets, ADD clickers on every pen. Option to use RD1 system ad lib. MML. Double mesh on bottom of the mort cone. Safe normal operation of boats observed, Treatments, and site operations not observed.	
Look at a percentage of nets on site - Does the net location meet the inventory?	Low	Y			
5.4 Are nets stored away from direct sunlight?	Low	N/A	CoGP 4.4.21		
5.6 Are appropriate measures in place to mitigate predation on site? (Provide detail if necessary)		Y			
5.7 Are boat operations conducted in such a manner which prevents damage to nets and pens?	High	Y	CoGP 4.4.28		
5.8 Is there a requirement for navigation markers to be deployed?	Low	Y	MSA <sup>5</sup> 2010 P4, S21		
5.9 If yes, has this been done in accordance with the necessary requirements?	Low	Y	MS Marine licence		
5.10 If Yes to 5.8 is there a record of any navigation markers deployed?	Low	Y	SSI 2,5		
<b>d. Inspection of site specific procedures</b>					
6.1 Are pen nets examined for holes, tears or damage prior to and during the stocking, moving or crowding of fish?	High	N/A	CoGP 4.4.31		None of these procedures were observed during site inspection.
6.2 If helicopter transfer of fish is conducted are receiving pen(s) properly prepared:-			CoGP 4.4.32		
a) nets should be secure	High	N/A			
b) pens should be marked with buoys clearly visible from the air	High	N/A			
c) radio contact between farm staff and helicopter crew should be maintained or where this is not possible, pens receiving fish should be manned	High	N/A	CoGP 4.4.33		
Consideration should be given to all other site procedures being undertaken during the visit with respect to containment and the risk of fish farm escapes					



Point of compliance	Risk level	Satisfactory?	Requirement	Comments and advice given or action taken if necessary
<b>Additional actions</b>	<b>Powers</b>			<b>Comments and advice given or action taken if necessary</b>
<b>e) Collection of samples</b> If necessary collect samples. Indicate if samples have been taken and detail what those samples are and the purpose of their collection	Power granted under the Act – section 5 (3) (a)			
<b>h) Enforcement Notice.</b> If an enforcement notice has been issued then maintain a copy / duplicate and record detail Guidance on completing the Enforcement Notice	Power granted under the Act – Section 6 (2)			

1 An 'escape event' can be defined as any circumstances on or in the vicinity of a fish farm which are believed to have caused an escape, or which may have given rise to a significant risk of an escape of fish.

2 FHI interpretation – Informing the SSPO is only a requirement where the site belongs to an Authorised Production Business which is signed up to the CoGP.

3 being waters which do not form part of the sea or any creek, bay or estuary or of any river as far as far as the tide flows

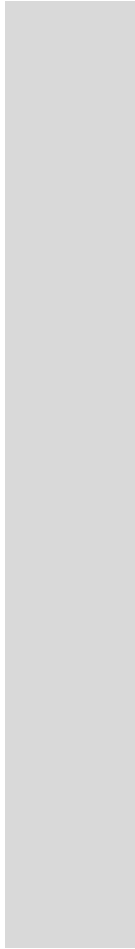
4 The Aquatic Animal Health (Scotland) Regulations 2009 (as amended)

5 The Marine Scotland Act 2010

Case No: **2019-0138** Site No: **FS1175** Date of visit: **28/03/2019**

Start date:	End date: (if applicable)	Size of fish:	Average weight of affected population:	Species:	Yearclass:	Timescale	Mortality rate recorded(%):	Explained/unexplained:	If explained, select reason(s):
04/03/19	10/03/2019	≥750g	4.3kilos	SAL	18 S0's	Weekly	1.39	Explained	Complex gill issues, Treatment

If unexplained, select observations:	Total mortality during event (if available):	Additional information (e.g. action taken by company):	Action taken by FHI (include case no where applicable):
	3216	Post treatment mortality after treating for gills. Mortality stopped week after treatment	Mortality fell bellow the threshold the following week. No further action required.



Case No: **2019-0138** Date of visit: **28/03/2019**  
 Site No: **FS1175** Inspector: **[REDACTED]**

Results Summary	Freq.	Date of Notification						
		Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Insp

Report Summary			
Case Type	Date	Insp	2 <sup>nd</sup> Insp
ECI SLI VMD	17/04/2019	[REDACTED]	[REDACTED]
CNA	01/07/2019	[REDACTED]	[REDACTED]
Case Closed	28/08/2019	[REDACTED]	[REDACTED]

[REDACTED]  
Grieg Seafood Shetland Ltd  
Gremista  
Lerwick  
Shetland  
ZE1 OPX  
[REDACTED]

## FISH HEALTH INSPECTORATE VISIT REPORT

### SUMMARY FOR INFORMATION OF SITE OPERATOR

<b>BUSINESS No</b>	FB0440	<b>DATE OF VISIT</b>	28/03/2019
<b>SITE No</b>	FS1175	<b>SITE NAME</b>	Gob na Hoe
<b>INSPECTOR</b>	[REDACTED]	<b>CASE No</b>	20190138

### ENHANCED CONTAINMENT INSPECTION

An enhanced inspection to ascertain the risk of escape from the fish farm was conducted in accordance with the Aquaculture and Fisheries (Scotland) Act 2007.

The visit consisted of an inspection of facilities, records and the provision of advice.

#### **a) Inspection of i) escape incidents and ii) contingency procedures**

Following the containment issue reported on 13 March 2019, no report was made to the local DSFB. The following recommendation is made for improvement.

**It is recommended that a documented review of the procedure in place for dealing with a breach in containment is undertaken to ensure that in accordance with A Code of Good Practice for Scottish Finfish Aquaculture (CoGP) (Chapter 4, Point 4.37) any escape, or suspected escape, of live fish should be reported immediately to all relevant stakeholders, including the relevant Producer Organisation or industry association, the local District Salmon Fisheries Board and Fisheries Trust (or at the latest, within 48 hours of discovery.**

#### **b)i) Inspection of records relating to equipment, facilities and the site**

An issue was raised regarding no records being maintained of navigation markers deployed on the site. The following recommendation is made for improvement.

**It is recommended that a record is put in place to meet the requirements of Schedule 2, section 5 of the Fish Farming Businesses (Record Keeping) (Scotland) Order 2008 regarding any navigation marker deployed at the site.**

Although records of net inspections were maintained in accordance with the Fish Farming Businesses (Record Keeping) (Scotland) Order 2008, they did not provide sufficient detail to

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ascertain the complete detail of the outcome of inspections and the result of any repairs conducted.

**It is recommended that a documented review is undertaken of the net inspection records required under Schedule 2, section 1 of the Fish Farming Businesses (Record Keeping) (Scotland) Order 2008, with an improved procedure established which will ensure adequate details are recorded to allow a complete understanding of:**

- **The outcome of each inspection;**
- **The date and result of each repair.**

**b)ii) Inspection of records relating to training**

The site meets the requirement of current Scottish industry best practice. No recommendations made or further action required.

**b)iii) Inspection of records relating to procedures and risk assessments**

The site meets the requirement of current Scottish industry best practice. No recommendations made or further action required.

**c) Inspection of site and site equipment**

Although risk assessments, contingency plans and mitigations were in place to reduce the risk from predator interactions, due to the nature of the breach in containment reported on 13 March 2019, the following recommendation is made for improvement.

**It is recommended a documented review of the predator control plan, suitability of equipment and predator mitigations deployed is undertaken to establish any improvements which should be implemented to ensure that fish are protected from predators in accordance with A Code of Good Practice for Scottish Finfish Aquaculture (CoGP) (Chapter 4, Point 5.8).**

**d) Inspection of site specific procedures**

Site specific procedures were not taking place at the time of the visit and could not be observed.

**Further Action**

The recommendations in this report should be implemented by **1 August 2019**. Documentation should be provided as evidence that the recommendations have been implemented. Enforcement action may result if the recommendations are not implemented in the necessary time frame. Records should be sent to Marine Scotland Science's Fish Health Inspectorate (FHI) (contact details are provided below).

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: 01/07/2019

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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](http://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](mailto:ms.fishhealth@gov.scot)  
Website - [www.gov.scot/Topics/marine/science](http://www.gov.scot/Topics/marine/science)



[REDACTED]  
Grieg Seafood Shetland Ltd  
Gremista  
Lerwick  
Shetland  
ZE1 OPX  
[REDACTED]

## FISH HEALTH INSPECTORATE VISIT REPORT

### SUMMARY FOR INFORMATION OF SITE OPERATOR

<b>BUSINESS No</b>	FB0440	<b>DATE OF VISIT</b>	28/03/2019
<b>SITE No</b>	FS1175	<b>SITE NAME</b>	Gob na Hoe
<b>INSPECTOR</b>	[REDACTED]	<b>CASE No</b>	20190138

#### Case completion report

Recommendations in relation to the above case were made for implementation by 31/08/2019. 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]

Fish Health Inspector

Date: 28/08/2019

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](http://www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter)

██████████  
Grieg Seafood Shetland Ltd  
Gremista  
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Shetland  
ZE1 OPX  
████████████████████

## FISH HEALTH INSPECTORATE VISIT REPORT

### SUMMARY FOR INFORMATION OF SITE OPERATOR

<b>BUSINESS No</b>	FB0440	<b>DATE OF VISIT</b>	28/03/2019
<b>SITE No</b>	FS1175	<b>SITE NAME</b>	Gob na Hoe
<b>INSPECTOR</b>	████████████████████	<b>CASE No</b>	20190138

#### 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 found to be inadequately 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.

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Mortality levels had exceeded the reporting criteria since the last inspection and had not been reported to the Fish Health Inspectorate. I would like to remind you of the industry agreement in relation to mortality reporting as detailed in A Code of Good Practice for Scottish Finfish Aquaculture.

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.

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

- FS numbers must be recorded in the source/destination section of the movement record book, to allow for better traceability of stocks. It was discussed with the site manager that this would be recorded in future. No further action is required.

These must be addressed to ensure the conditions of authorisation for your Aquaculture Production Business (APB) are being met.

#### **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**

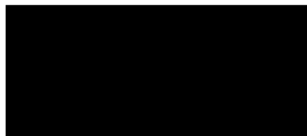
The site was also inspected in accordance with the Aquaculture and Fisheries (Scotland) Act 2007, as amended, with respect to section 3 regarding parasites (sea lice), section 4A regarding fish farm management agreements and statements and section 5 regarding containment and escapes.

On this occasion the site was found to be satisfactory with regards to parasites, fish farm management agreements and statements.

An enhanced containment inspection was conducted. A separate report will be issued in due course.

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: 16/04/2019

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](http://www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter)

R25

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Tel - 0131 244 3498 Fax - 0131 244 0944 Email - [ms.fishhealth@gov.scot](mailto:ms.fishhealth@gov.scot)  
Website - [www.gov.scot/Topics/marine/science](http://www.gov.scot/Topics/marine/science)