

Case No: 2020-0335 Date of visit: 21/08/2020

Time spent on site: 4 hrs Main Inspector:

Site No: FS0800 Site Name: Leinish

Business No: FB0440 Business Name: Grieg Seafood Shetland Ltd

Case Types: 1 DIA 2 VMD 3 4 5 6

Water Temp (°C): 13.9 Thermometer No: T153 FHI 045 completed

Observations: Region: HI Water type: S CoGP MA M-25

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

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

Additional Case Information:

Week 33 - 107700 - 27.65%

Week 32 - 5400 - 1.37% - Not reported.

Week 31 - 3726 - 0.93% -

Week 30 - 3124 - 0.78%

Mortalities attributed to CGD and jellyfish.

Planning to go in with freshwater next week to treat gills, had previously been treating with peroxide and salmosan.

The vet is on site today (21st August) waiting for histo results, and then a vet report will be sent out in the next few days regarding the current on site mortality.

Fish were observed shoaling well deeper in the water. Although a lot of fish were observed which appeared lethargic, these fish were very reactive and swam off quickly. 8 dead observed across site, with exception of cage 8 where 20 dead were observed on surface, not fresh dead, these were removed by site staff at the time of inspection. The site staff that usually operate at this site were assisting with a FW treatment at Gob na Hoe, and were due to return to site in the afternoon to do daily checks.

Jellyfish numbers increased quickly over a short period of time, resulting in the high losses week 33, mortality numbers were decreasing, but still elevated. A FW treatment was due to be conducted during week 34/35, it was hoped that this would help alleviate some of the losses due to gill issues. If the FW treatment isn't successful, the Norwegian Gannet is booked for early September and will harvest the whole site over a few days.

Uncertain of future stocking of sites within the DMA.

DELAY IN ISSUING REPORT, SITE HAS BEEN TRANSFERRED TO A DIFFERENT APB,
APB AT TIME OF INSPECTION NOW DEREGISTERED. NO REPORT ISSUED

Paperwork by [REDACTED]

Site inspection and sampling by [REDACTED] accompanied by APHA

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 (include cleaner fish for all sections)

Total No facilities	<input type="text" value="10"/>	Facilities stocked	<input type="text" value="9"/>	No facilities inspected	<input type="text" value="9"/>
Species	<input type="text" value="SAL"/>				
Age group	<input type="text" value="S0's"/>				
No Fish	<input type="text" value="250,064"/>				
Mean Fish Wt	<input type="text" value="2.2"/>				
Next Fallow Date (Site)	<input type="text" value="March 2021"/>	Next Input Date (Site)	<input type="text" value="august 2021 (under review)"/>		
Recent (last 4 wks) disease problems?			<input type="text" value="Y"/>	Any escapes (since last visit)?	<input type="text" value="N"/>
If yes, detail:	<input type="text" value="CGD in fish exsasserbated by jellyfish bloom. Vet investigating."/>				

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, enter details on mortality events sheet.

Treatments and Medicines Records

1. Recent treatments (see comment)?		Y
If yes, detail:	Peroxide Salmosan TMS	
If other, detail:	FW	
2. Medicines records available for inspection?		Y
3. Are records complete and correctly entered?		Y
4. Are fish in a withdrawal period?		Y
5. If yes, what treatment(s)?	TMS Salmosan	
If other, detail:		
6. Are medicines stored appropriately?		Y

Biosecurity Records

1. Biosecurity records available for inspection?	
2. Has the manner and frequency of mortality removal, recording and safe disposal been considered?	
3. Has the manner and period in which the APB will notify Scottish Ministers or veterinary professional of any increased (<i>unexplained</i>) mortality at the site been included?	
4. Has the action that will be taken in the event that the presence or suspicion of the presence of a listed disease is detected been included and <i>how</i> and <i>when</i> that will be notified to Scottish Ministers?	
5. Has the health status of aquaculture animals being stocked on the farm site been covered (equal or higher health status, certification if required)?	
6. Have the husbandry and biosecurity measures implemented between each epidemiological unit to minimise transmission of disease been covered (movement of staff, visitors, equipment, live or dead fish etc.)?	
7. Is documentation available regarding the measures in place to maintain the physical containment of aquaculture animals held on site?	
8. Have the biosecurity procedures been adequately implemented on site?	
If no, detail:	

Results of Surveillance

1. Has any animal health surveillance been carried out by, or on behalf of, the business?		Y
2. If yes, are results available for inspection?		Y
3. Any significant results?		Y
If yes, detail (if not detailed under recent disease problems).		

12/08/2020 - Moderate to severe gill pathology detected in all fish. Evidence of previous CMS infection - non detected.
 Records checked between: 06/07/2020-21/08/2020

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	P1							
Fish nos	1	2	3	4	1-4	5	6					
Pool Group	P1	P1	P1	P1								
Species	SAL	SAL	SAL	SAL	SAL	SAL	SAL					
Average weight	2.2000	2.2000	2.2000	2.2000	0.2000	2.2000	2.2000					
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		Girlista Hatchery	Girlista Hatchery	Girlista Hatchery	Girlista Hatchery	Girlista Hatchery	Girlista Hatchery	Girlista Hatchery				
	Stock Origin											
Facility No	5	5	6	10	mix	5	6					

Case no: 2020-0335

Site No: FS0800

Method of killing: Anaesthetic

Date of visit: 21/08/2020

Inspector(s):

Sheet Relevant: Y

S for strong presence: M for medium presence: W for weak presence

Fish Number		1	2	3	4					
Time sampled after death (if > 45 minutes)		~1hr	~1hr	~1hr	~1hr					
External Signs										
Behaviour	Moribund									
	Lethargic		M	M						
	Hanging vertical				M					
	Spiralling									
	Flashing									
	Loss of equilibrium									
Body	Dark									
	Distended abdomen									
	Anorexic				W					
	Scale Oedema									
Opercula	Shortened									
	Flared									
Haemorrhaging	Throat									
	Ventrum									
	Base of fins									
	Elsewhere									
Eyes	Exophthalmic									
	Enophthalmic (sunken)									
	Cataract									
	Haemorrhagic									
Gills	Pale									
	Zoned									
	Necrotic									
Lesions	Flank									
	Elsewhere									
Vent	Inflamed									
	Trailing faeces									
Lice Load	Estimate numbers	10	10	10	10					
Internal Signs										
Ascites	Clear									
	Bloody	W	W							
Oedema	In tissues									
Heart	Pale/anaemic									
	Granulomas									
	Deformed									
Liver	Petechial haem									
	Gross haem	W			W					
	Tissue breakdown									
	Enlarged									
	Colour number(s)	6	6	5	5					
	Granulomas									
	Lesions									
Pyloric caeca	Petechial haem									
	Tubules mauve				W					
	Lack of fat		M		M					
Spleen	Enlarged				M					
	Granulomas									
Gut	No food present									
	Yellow pseudo-faeces		W	W	W					
	External haem									
	Internal haem									
Body wall	Haemorrhaging									
Swim bladder	Haemorrhaging									
	Fluid filled									
Kidney	Swollen									
	Grey									
	Granular									
	Liquefied									
General	Parasites present									
	Anaemia									

Additional comments:

Site No: FS0800

Case No: 2020-0335

Nature of non-compliance:

Action taken (FHI):

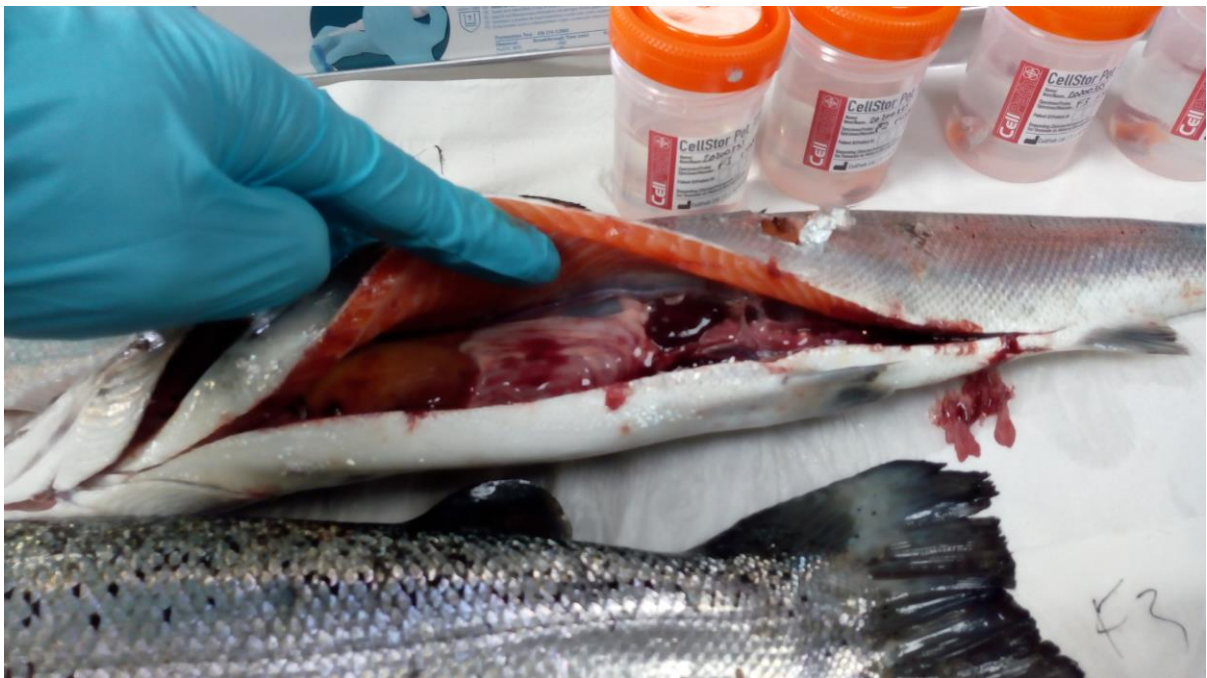
Non-compliance relevant to (delete): VirologyMolGen/Bacteriology/Histology/Parasitology



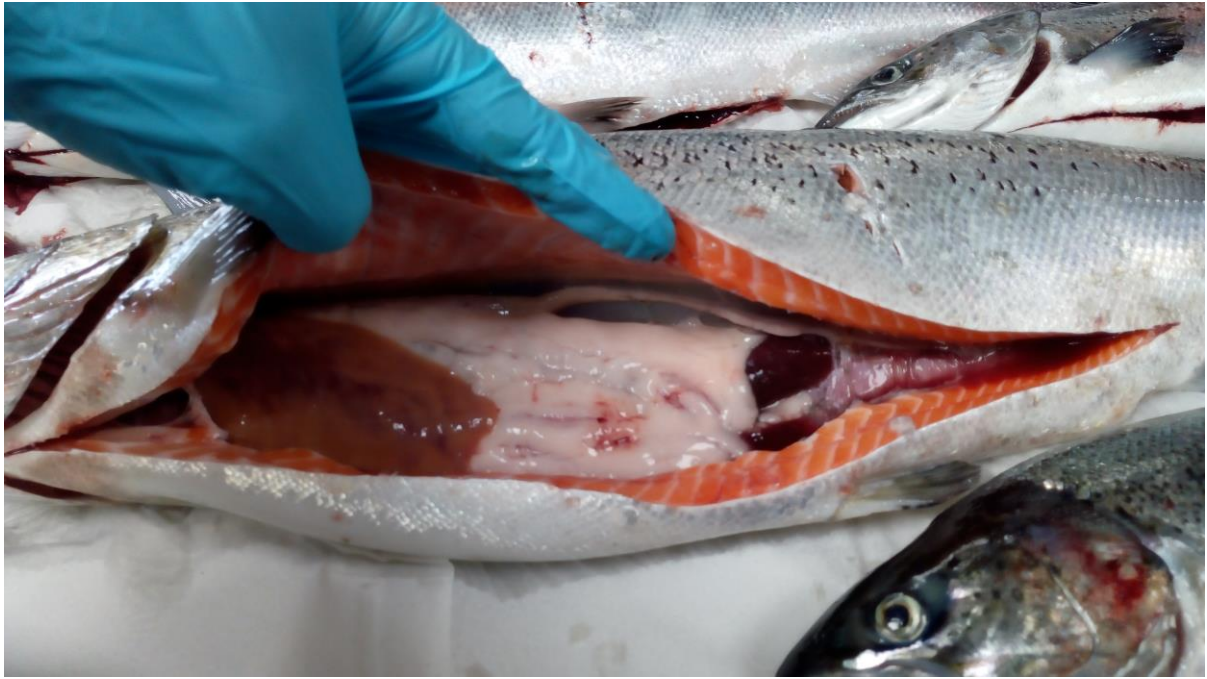
Fish 1 to Fish 4



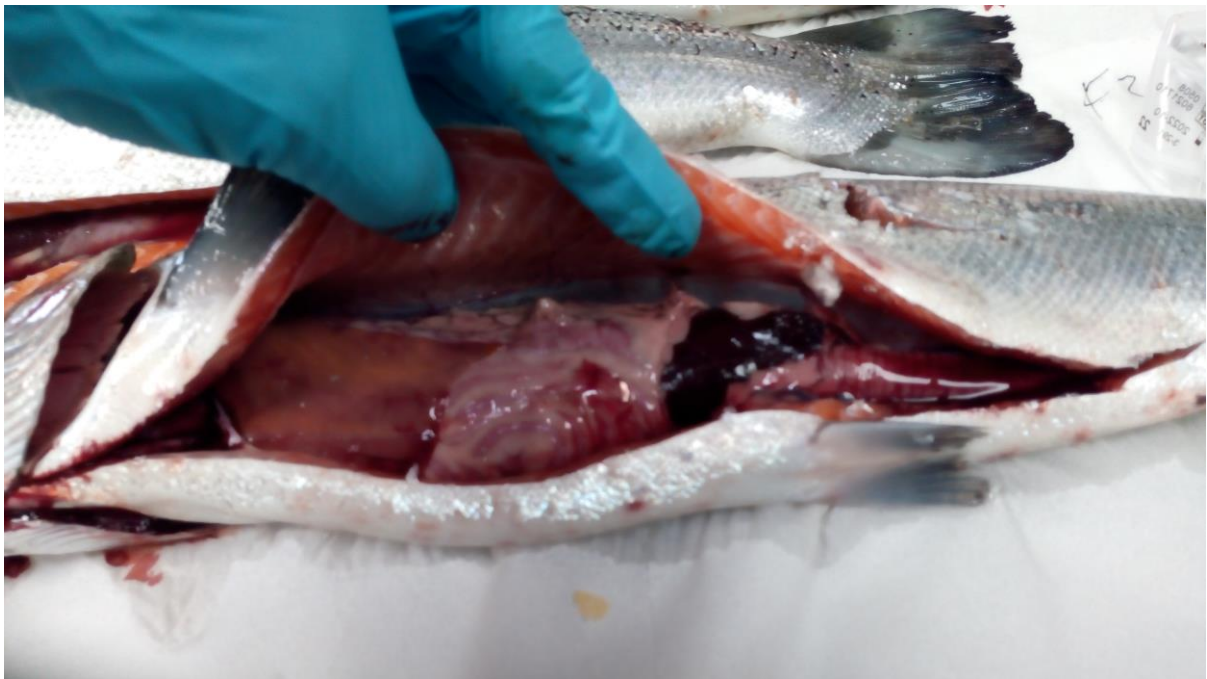
Fish 1 – Internal



Fish 2 – Internal



Fish 3 – Internal



Fish 4 internal