FHI 059, Version 12		Issued by: FHI		Date of	issue: 08/10/2018
Case No: 2019-0381				Date of visit:	07/08/2019
Time spent on site:	'.5 hours	N	Main Inspector	: 🔚	
Site No: FS0903 Business No: FB0440	Site Name: Business Name:	Swining Voe 3 Grieg Seafood Sh	netland Ltd		
Case Types: 1 ECI	2 CNI 3 SLI	4 VMD	5 UNI	6	
Water Temp (°C): 12.4	Thermometer No:	T274	]	FHI 045 comple	eted
Observations:	Region: SH	Water type:	S	CoGP MA	S-4
Dead/weak/abnormally behaving	•			nation/clinical sc	
Clinical signs of disease observe	d?			nation/clinical sc	
Gross pathology observed? Diagnostic samples taken?		N If yes, see ac	iditional inforn	nation/clinical sc	ore sneet.
UNI/REG only - if unable to carry	out intended visit deta	il reason below:			

### Additional Case Information:

No cleaner fish on site this cycle as didn't have a significant effect during last cycle. Site has been treated with Slice twice this cycle with another treatment due soon. Have also carried out two treatments with Salmosan and 3 individual cages with freshwater. Freshwater treatments have worked very well. Sea lice skirts removed last month when aeration system installed as do not use both at the same time. Sea lice treatments carried out when adult average female lice exceeds 0.5. For lice treatments will treat a single cage initially and check for increased mortalities over the next couple of days before carrying out treatments on other cages.

Mortalities currently being removed using ROV which is working well, but will be returning to dead socks. Divers on site mainly used for pre-treatment net checks and weight removal, but do use for mortality removal if required. Majority of morts disposed at incinerator, but use TWMA if have high numbers or at end of cycle when fish are large and have greater weight to dispose. Harvests are by both live and dead haul.

Moritella viscosa detected on site earlier in year and treated with florfenicol.

Have seen an increase in chaetoceros numbers over the last two weeks (count at 2.5 million). Samples taken at 5, 10 and 15m water depths. Aeration has been installed, but aeration not useful when have high numbers of long chain plankton as aeration breaks them up into smaller pieces.

Currently using net cleaner on site as have been delayed in changing nets (nets washed every 10 days at net cleaning sites). No issues with seal predation on site and don't need to use anti-predator nets. ADDs are available to be deployed if required. Dull day and water visibility poor on site. Three slightly lethargic runts seen across site, but all moved off into centre of cage and not removed. Fish sampled for VMD appeared healthy and in good condition.

Accompanied and audited b

FHI 059, Version 12	<u> </u>		Issu	ied by: FHI			Date of issu	ie: 08/10/2018
Case No:	2019-0381		Site No:	FS0903	3			
Date of Visit:		07/08/2019	,		Inspector(s):			]
Registration/Authornal 1. Business/site det 2. Changes made to	tails summary		ite representa	ative?			Y N	}
Site Details		32)	<b>7</b>		44	751 5 1041-		42)
Total No facilities Species	CAL	12	Facilities sto	cked	11	No facilitie	s inspected	12
	SAL SAL S1							
Age group No Fish	462,711							
Mean Fish Wt	1.15kg							
Next Fallow Date (S	iite)	July 2020		Next Input Da	ate (Site)	Early 2021		
Recent (last 4 wks)	disease probl	ems?		Y	Any escapes	s (since last	visit)?	N
If yes, detail:	HSMI (PRV)				7 3.7	(C)	,,,,	
•								
Movement Record								V
Movement record     Date of last inches		r inspection?					31/08/2017	T
<ol><li>Date of last inspeta.</li><li>Are records compared to the compared to</li></ol>		actly entered	,				31/06/2017	Y
4. Are movement re	•	•		,				Y
5. Are records comp								Ÿ
6. Are health certific	•	•		able?				N/A
Transport Records		,						
Are any moveme		t by (or on be	half) of the hi	iciness (not us	ing a STR)?			Y
If yes, is there a sys				•				Y
	terr in place.	of maintone	oc or danops.	tation roosius				
Mortality Records	cycilable for i	nancation?						Y
<ol> <li>Mortality records</li> <li>How are mortalities</li> </ol>					Incingrated	Chatland M	/aste to Energ	-
If other detail:	es disposed of	1.5			incinerateu -	Shelland W	aste to Ellerg	ду
3. Mortality records	complete and	correctly ent	ered?					Y
o. mortanty records	complete all	oon conjustin		3,198, w/b 15/	/7/19 - 720. v	//b 22/7/19 -	488 w/b 29/	/7/19 - 294.
				o failed smolt/r	,		•	
4. Recent mortality	(last 4 wks):							
5. Evidence of recei	nt increased/a	typical mortal	lities?					Y
If yes, facility nos/no		••		/reason:				
w/b 8/7/19 - cage 7		, cage 8 - 548	8 (1.44%), caç	ge 9 - 589 (1.3	8%), cage 10	- 796 (2.099	%) - mainly att	tributed to
other (non-specified	/							
6. Any other peaks		•						Y
If you dotail:	w/b 25/2/19	- 3,684, w/b 4	/3/19 - 3,509,	, w/b 11/3 - 4,0	029 attributed	to lesions a	nd physical da	amage
If yes, detail:	(mayplained)	martalities be	on reported to	o yet or EUI2				N/A
7. Have increased ( If yes, detail action:		nortalities be	en reported to	) Vet Of 1 Till:				IVA
8. Have 'mortality e		ported to FHI	? If no ladd M	RT case and	enter on morta	ality events s	sheet	l N
o. Have intertainty of	TOTALS DOCUTED	ported to 1 1 II	. II IIO, aaa III	itti oase ana t	STILL OF THIS IS	anty evente c	Jiloot.	

FHI 059, Version 12	Issued by: FHI	Date of issue: 08/10/2018
FHI 039, VEISION 12	issued by. Fili	Date of Issue. 00/10/2010
Recent treatments (last 4 wks)?		Y
If yes, detail: T.M.S.		
If other, detail:		
2. Medicines records available for inspec	tion?	Y
3. Are records complete and correctly en	tered?	Y
4. Are fish in a withdrawal period?		Y
5. If yes, what treatment(s)?	T.M.S.	
If other, detail:		
6. Are medicines stored appropriately?		Y
Biosecurity Records		
1. Biosecurity records available for inspec	ction?	Y
	tality removal, recording and safe disposal be	een considered?
	ne APB will notify Scottish Ministers or veterin	
increased (unexplained) mortality at the	•	Y
,,,,		
4. Has the action that will be taken in the	event that the presence or suspicion of the p	resence of a listed disease
	when that will be notified to Scottish Ministers	
	nimals being stocked on the farm site been c	
health status, certification if required)?	and the second of the second o	

If no, detail:

aquaculture animals held on site?

1. Has any animal health surveillance been carried out by, or on behalf of, the business?

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

- 2. If yes, are results available for inspection?
- 3. Any significant results?

If yes, detail (if not detailed under recent disease problems).

HSMI (PRV) and AGD positive in July. Moritella viscosa earlier in year

8. Have the biosecurity procedures been adequately implemented on site?

Records checked between:

31/8/17 - 7/8/19

Time sampling 15:00:00 15:30:00 Inspector: VMD No. 7 starts/ends: Environmental conditions: 1 Indoors 2 3 4 5 Summary samples HIST BA MG VI PA Total Samples  Add Fish/Pools - click  Pool/Fish No Fish nos 1 2 Species SAL SAL Average weight 1.1500 1.1500 Sex N/A N/A Water Type SW		Priority samples:	VI		BA		PA		MG	HI			
Summary samples		starts/ends:		00:00	15:3	30:00		Inspecto	or:		VMD No	o.	7
Pool/Fish No		Environmental conditions:	1	Indoors	2		3		4	5			
Pool/Fish No		Summary samples	HIST		ВА		MG		VI	PA		Total Sa	amples
Fish nos													
Pool Group	Į												
Species SAL SAL Average weight 1.1500 1.1500 Sex N/A N/A Water Type SW SW	Į		1	2									
Average weight 1.1500 1.1500 Sex N/A N/A Water Type SW SW SW Stock Origin	Į.												
Sex N/A N/A Water Type SW SW SW Stock Origin	-1	Species											
Water Type SW SW  Stock Origin  Stock Origin	-1												
Stock Origin  Girlsta  Girlsta	-1												
청 Stock Origin 호 호	-1	Water Type	SW	SW									
w) /	- 1	Stock Origin											
		0)		.0									

08/2019	08/2019 Additional Sample Information:													
0		Total To	acte acc	ianed	0									
U		TOtal 1	colo a55	igneu	U									

FHI 059, Version 12		Issued by: FHI			Date o	of issue	: 08/10/2018	
Case Number:	2019-0381		Site No:	FS0903		Insp:		
Date of Visit	07/08/2019		No of m	ovements/s	supp./dest.		Score	
Live fish movements			0	1-5	6-10	>10		
Movements on (from out	Frequency of m	novements on from equivalent MS	0	5	10	14	0	
with GB) of susceptible species		novements on from equivalent zone or	0	۵	18	26		
Species	Number of sup	ncluding third country	0		10	14	0	
11							40	
Movements off	Frequency of m		0		6	10 10	10	
Exposure via water	Number of des	Site contacts			6-10	10		
Water contacts with other	Farm is protect	ed (secure water supply through		<u> </u>				
farms (holding species	disinfection or l	porehole)	0				0	
susceptible to same diseases)		or in a coastal zone with category I	1	2	4		2	
uiscuscs)		or within 1 tidal excursion or in a coastal zone with category III	'		7		-	
		or within 1 tidal excursion	1	3	6		0	
		or in a coastal zone with category V						
	tarms upstream	n or within 1 tidal excursion	1	4	8		0	
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 pro	cessing	0	]			0	
the fales of the directive	Processing own	n fish (re-cycling risk)	1				1	
	Processing fish	from MS of equivalent status	2				0	
		from zone or compartment of		1			-	
	equivalent statu		4				0	
		from Category III farm	8				0	
	Processing fish	from Category V farm	10				0	
Disposal of fish and fish by-	Site's own was	te only processed.	0				0	
products	Common proce	esses with other farms	3				3	
	Collection point	for waste from other farms	5	1			0	
Use of unpasteurised feeds	No feeding of u	npasteurised feed	0	1			0	
·	Feeding unpas	·	5	1			0	
Biosecurity		Number of sites	1	2 or 3	≥4			
Contacts with other sites	Sites operating	from single shorebase	0	1	2		2	
	Sites sharing s	taff and equipment	0	1	2		2	
Disinfection of equipment	Yes		0	]			0	
between sites, use of footbaths etc	No		1				0	
CoGP/Regulator				•				
Practices in accordance	Yes		0				0	
with regulator or industry code of practice	No		3				0	
Platform access to cages	Yes		1 0	1				
utionii uccess to cages	No		2				0	
				J				
					Total		23	
					Rank		MEDIUM	

Case No:	2019-0381		Site	No:	FS0903		
Sea Lice Inspection (		s in the previous 4 years	s?				N
•	•	equivalent) fallowed syn		inale ve	ear class basis?		Υ
3. Does the site have a	access to a range of licamectin benzoate) as	enced in-feed and bath well as access to suitab	sea lice medicatio	ns (inc	luding deltamethrin,	ıres, and	Y
4. Is there a signed doo Management Area (or	_	ement agreement or sta	atement relevant to	the sit	te and CoGP Farm		Υ
5. Are sea lice count re	cords available for ins	spection? (Legal SSI, Co	GP Annex 6)				Υ
6. Do records adequate	ely reflect the required	standard specified in th	e SSI and the CoG	GP? (Le	egal SSI, CoGP Anne	ex 6)	Υ
7. Are sea lice (L. salm records are inspected?		low the suggested criter	ria for treatment in	the Co	GP during the period	that	Υ
_	•	<i>monis</i> ) numbers per fisl od that records are insp		f 3 or a	bove (prior to w/b 10	/6/19) or	Υ
If yes, have these beer	reported to the Fish I	Health Inspectorate? If r	o, FHI see comme	ent.			Υ
9. Is C. elongatus infes	station at a level which	is considered to cause	significant welfare	proble	ms? (CoGP 4.3.81, 5	5.3.50)	N
		istered or other actions elongatus is considered					Υ
11. Has any other actio	on been taken (where	applicable)?					N/A
12. Have therapeutic tr	eatments or the actior	ns taken had a significar	nt impact upon the	lice lev	els recorded?		Υ
13. Are treatments, who	ere conducted, carried	d out in cooperation bety	veen participating t	farms?			Υ
		where fewer population				nt for	Υ
15. Is there a site spec scenarios during the es		ement procedure with winfestation?	aypoints describino	g set a	ctions to deal with red	cognised	Υ
16. Do the sea lice leve	els observed on stocks	s reflect sea lice count d	ata? If no please d	detail re	easons.		Υ
Containment Inspecti	on						
Has the site experier	nced equipment dama	ge due to predators in t	he current or previo	ous pro	oduction cycles?		N
2. Are measures in pla	ce to mitigate against	the predation experience	ed on site? (Detail	below)			Υ
Top nets	MML	tensioned nets					
If other, detail below:							
							N
·		perienced on or in the vi	cinity of the site sir	nce the	last FHI inspection?		N
If Yes proceed with que 4. Have these been rep		•					
5. Have these been rep	oorted to local DSFB fo	orthwith (where they exis	st)? (CoGP - 4.4.3	37, 5.4.	.17)		
6. Have these been rep	ported to the SSPO an	d local fisheries trusts fo	orthwith (where the	ey exist	)? (CoGP – 4.4.37, 5	.4.17)	
7. Were methods (if an	y) used to recover esc	capees? If yes give deta	il				
8. If aill nets were denle	oved was this action a	greed with local wild fish	interests and was	s permi	ssion given by Scotti	sh	
Ministers? (Legal, CoG		J		, z			
9. What action was tak	en to prevent and min	imise the risk of further	escapes? (Not cov	ered in	code but could		
be considered under	r satisfactory measu	res of the Act)					
10. Is the site inspected	d as satisfactory with r	regards to containment?	If no, please detai	il reaso	on(s)		Υ

Issued by: FHI

FHI 059, Version 12

Date of issue: 08/10/2018

FHI 059, Version 12	Issued by: FHI	Date of issue: 08/10/2018
Case No: 2019-0381	Site No: FS0903	
Date of Visit: 07/08/2019	Inspector:	
Point of Compliance		
1. Is the farm under inspection located	within a farm management area?	Y
If N, no further questions require comp	etion.	
Points of Compliance for Both Farm	Management Agreements and Statements	
<ul><li>3. Is the current FMAg/S available for in</li><li>4. Does the FMAg/S identify the relevant</li><li>5. Does the FMAg/S identify the fish fair</li></ul>	nt farm management area? rm site(s) to which it applies? f commencement of the agreement or stateme	Y Y Y
Arrangements for Fish Health Manag	gement	
farm? 9. Does the FMAg/S identify the vaccin	um health standards for the stocks to be introduced ation requirements for stocks held in the area ies of fish which may be stocked into the area	or farm?
individual farm?	mum stocking density of any pen on any farm	
12. Does the FMAg/S identify the arran fish farm in the area or the individual fa	gements for the storage and disposal of any darm?	dead fish from any
Arrangements for The Management	of Sea Lice	
13. Does the FMAg/S identify arrangen	nents for the sharing of data on sea lice numb	ers and treatments?
14. Does the FMAg/S identify the available of statement?	ability and the use of medicines on farms cove	ered by the agreement
15. Does the FMAg/S identify any requilice on farms in the area or individual fa	irements for the sensitivity testing of available arms?	
16. Does the FMAg/S identify the circulused on farms in the area or individual	mstances under which biological controls and farms?	cleaner fish are to be
17. Does the FMAg/S identify the arran	gements for synchronous treatments on farms	s within the area?
Live Fish Movements		
area or farm?	mstances when live fish may be introduced or gements for the movement of live fish on and	

FHI 059, Version 12	Issued by: FHI	Date of issue: 08/10/2018
Harvesting		
20. Does the FMAg/S identify acceptable h	harvest practices on farms in the area or indiv	vidual farms?
Fallowing		
21. Does the FMAg/S identify the dates by date when a farm or area may be restocked	which the area or individual farm will be fallo	ow and the earliest Y
22. Does the FMAg/S identify whether one agreement or statement?	e or more year classes may be stocked onto s	sites covered by the Y
23. Does the FMAg/S identify whether brockovered by the agreement or statement?	odstock or potential broodstock are to be kep	ot on any site
Point of Compliance for Farm Managen	nent Agreements Only	
24. Does the farm management agreemer parties to the agreement?	nt include arrangements for persons to becon	me, or cease to be,
Management and operation		
25. Is the fish farm being managed and op	perated in accordance with the agreement or	statement?
26. What is the version no/date of issue of	f the FMAg/S? Aug-18	

Site No: FS0903

Case No: 2019-0381

Nature of non-compliance:
Action taken (FHI):
Non-compliance relevant to (delete): VirologyMolGen/Bacteriology/Histology/Parasitology

Case No: 2019-0381 Site No: FS0903 Date of visit: 07/08/2019

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):
25/09/2017	01/10/2017	>750g	1.6kg	SAL	2017 S1	Weekly	1.27	Explained	peroxide treatments and failed smolts
23/10/2017	29/10/2017	>750g	2.1kg	SAL	2017 S1	Weekly	5.13	Explained	Failed smolts and IPN
04/06/2018	10/06/2018	>750g	3.3kg	SAL	2017 S1	Weekly	1.11	Explained	treatment and CMS
09/07/2018	15/07/2018	>750g	3.9kg	SAL	2017 S1	Weekly	1.05	Explained	CMS
16/07/2018	22/07/2018	>750g	4.3kg	SAL	2017 S1	Weekly	1.66	Explained	CMS
23/07/2018	29/07/2018	>750g	2.7kg	SAL	2017 S1	Weekly	2.24	Explained	CMS

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):
	7010	Additional smolts input onto site in July 2017	NFA - information gathered during site inspection 7/8/19
	27644	26,782 from cage 1 (smolts input onto site in July). IPN from hatchery. Mortality reduced below reporting level following week	NFA - information gathered during site inspection 7/8/19
	1063		NFA - information gathered during site inspection 7/8/19
	987	Site harvesting	NFA - information gathered during site inspection 7/8/19
	1379	Site harvesting	NFA - information gathered during site inspection 7/8/19
	1369	Site harvesting	NFA - information gathered during site inspection 7/8/19

Case No:	2019-0381			Date of visit:	07/08/2019			
Site No:	FS0903	1		Inspector:		1		
Results Summary	Freq.			Dat	te of Notificat	tion		
		Database	Insp		Insp	Writing	Insp	2 <sup>nd</sup> Insp
D 10								
Report Summary								
Case Type	Date	Insp	2 <sup>nd</sup> Insp					
ECI/CNI/SLI/VMD/UNI	21/08/2019							





Grieg Seafood Shetland Ltd Gremista Lerwick Shetland ZE1 OPX

# FISH HEALTH INSPECTORATE VISIT REPORT

### SUMMARY FOR INFORMATION OF SITE OPERATOR

 Business No
 FB0440
 Date of Visit
 07/08/2019

 Site No
 FS0903
 Site Name
 Swining Voe 3

 Inspector
 Case No
 20190381

### Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

The above site was inspected, without prior notification, 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.

Records in relation to aquaculture animals transported by the business were inspected and found to be adequately maintained.

Mortality records were inspected and found to be adequately maintained.

Mortality levels had exceeded the reporting criteria since the last inspection and had 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.

Inspection under the Animals and Animal Products (Examination for Residues and Maximum Residue Limits) (England and Scotland) Regulations 2015

Medicine records were inspected and found to be adequately maintained.

Samples were taken to be analysed for veterinary residues.

### Inspection under the Aquaculture and Fisheries (Scotland) Act 2007

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

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

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



Fish Health Inspector

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Marine Scotland website at <a href="https://www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter">www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter</a>

Date: 21/08/2019

FHI 059, Version 12	I	ssued by: FHI	Date of issue: 08/10/2018
Case No: 2019-0405			Date of visit: 12/08/2019
Time spent on site:	5 hours	Main Inspe	ctor:
Site No: FS0240 Business No: FB0119	Site Name: Business Name:	Linnhe Mowi Scotland Ltd	
Case Types: 1 REP	2 DIA 3	4 5	6
Water Temp (°C): 14.1	Thermometer No:	T147	FHI 045 completed
Observations:	Region: HI	Water type: S	CoGP MA M-33
Dead/weak/abnormally behaving Clinical signs of disease observed Gross pathology observed? Diagnostic samples taken?	•	Y If yes, see additional in	formation/clinical score sheet. formation/clinical score sheet. formation/clinical score sheet.
UNI/REG only - if unable to carry	out intended visit detail	reason below:	

### **Additional Case Information:**

Site inspected following reports of increased mortality from APB. 1 cage (21) remained stocked at time of inspection. The worst affected cages had been harvested out by end of July.

Cage 21 mortality last 4 weeks - 1.4%

Thermoliser treatment carried out 15 -20 July- Cages 4, 9, 13, 14, 23, 24.

A number of lethargic fish observed in cage 21, 5 fish removed for further examination and subsequent diagnostic sampling.

FHI 059, Version 12			Issu	ed by: FHI			Date of issue	e: 08/10/2018
Case No:	2019-0405		Site No:	FS0240				
Date of Visit:		12/08/2019	1		Inspector(s):			1
Registration/Autho 1. Business/site deta 2. Changes made to	ails summary		te representa	ative?			Y N	
Site Details								-
Total No facilities		24	Facilities sto	cked	1	No facilities	s inspected	1
Species	SAL							
Age group	2018 Q1							
No Fish	7,000							
Mean Fish Wt	6.5 kg							
Next Fallow Date (S	ite)	14/08/2019		Next Input Da	te (Site)	November	2019	
		_			1.			
Recent (last 4 wks)			DD	Y	Any escapes	(since last \	visit)?	N
If yes, detail:	CIVIS, pastel	ırella skyensis	5, PD					
<b>Movement Records</b>	8							
1. Movement record	s available fo	r inspection?						Y
2. Date of last inspec	ction:						02/05/2019	
3. Are records comp		•						Y
4. Are movement re								Y
5. Are records comp		•						Y
6. Are health certification	ates for introd	luctions (outw	ith GB) availa	ible?				N/A
Transport Records								
1. Are any movemen	nts carried ou	t by (or on bel	nalf) of the bu	isiness (not usi	ng a STB)?			
If yes, is there a syst	tem in place f	or maintenand	ce of transpor	tation records?	?			
Mortality Records								
1. Mortality records a	available for ii	nspection?						Y
2. How are mortalitie	es disposed o	f?			Whole fish - I	Dundas Che	emicals	
If other detail:								
3. Mortality records of	complete and	correctly ente						Y
4. Recent mortality (	last 4 wks):			) - 375 (0.23%) 29/07/19 - 29,		•	9%), w/b 22/0	)7/19 - 4257
5. Evidence of recen	nt increased/a	typical mortali	ties?					Y
If yes, facility nos/no	mortality per	facility/no sto	ck per facility	/reason:				
CMS, Pasturella sky							ing out), 9 (49	9% mortality
last 4 weeks prior to				ast 4 weeks pri	or to harvestin	g out)		
6. Any other peaks in	n mortality du	ring period ch	ecked?					N
If yes, detail:		. 177	, ,	, =1112				
7. Have increased (u	inexplained) i		•					Y
If yes, detail action:		Reported to I				litus austruita -	haat	V
8. Have 'mortality ev	ents been re	ported to FHI	r ir no, add M	KI case and e	enter on morta	iity events s	neet.	Y

FHI 059, Version 12	Issued by: FHI	Date of issue: 08/10/2018
Recent treatments (last 4 wks)?		Y
If yes, detail: T.M.S.		
If other, detail:		
Medicines records available for inspec	tion?	
•		<u>'</u>
3. Are records complete and correctly en	terea :	
4. Are fish in a withdrawal period?	THO	
5. If yes, what treatment(s)?	T.M.S.	
If other, detail:		· ·
6. Are medicines stored appropriately?		Y
Biosecurity Records		
1. Biosecurity records available for inspec	ction?	
	tality removal, recording and safe disposal be	en considered?
	ne APB will notify Scottish Ministers or vetering	
increased (unexplained) mortality at the	•	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
, , , ,		
4 Has the action that will be taken in the	event that the presence or suspicion of the pr	resence of a listed disease
	when that will be notified to Scottish Ministers	
	nimals being stocked on the farm site been co	

If no, detail:

1. Has any animal health surveillance been carried out by, or on behalf of, the business?

8. Have the biosecurity procedures been adequately implemented on site?

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

2. If yes, are results available for inspection?

health status, certification if required)?

aquaculture animals held on site?

3. Any significant results?

If yes, detail (if not detailed under recent disease problems).

CMS Skyensis, PD, HSMI

Records checked between:

02/05/2019 - 12/08/2019

- 1	11 059, Version 12							155	ueu by. Fni	1			
	Case no:	2019-04	105	Site No:		FS0240			Date of visi Sampling:	t/	12/0	8/2019	12/0
	Priority samples:	VI		ВА		PA		MG	Sampling.	н	=		
	Time sampling starts/ends:		0:00		0:00		Inspector	r:		`	VMD No.		0
	Environmental conditions:	1	Indoors	2		3	$\Box$	4	_	5	_		
	Summary samples	HIST	Υ	ВА	Υ	MG	Υ	/I	Y PA			Fotal Sa	mples
A	dd 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	SAL						
	Average weight	6.5000	6.5000	6.5000	6.5000	6.5000	6.5000						
	Sex	N/A	N/A	N/A	N/A	N/A	N/A				$\neg$		
	Water Type	SW	SW	SW	SW	SW	SW						
			>	>	>	>							
sils			ch	ch	ch	ch							
Details			Lo	L	Lc	Lo							
	0. 10		Loch Lochy	och Lochy	och Lochy	Loch Lochy							
Stock	Stock Origin	Ν.	I	1	1						$\rightarrow$		
S	Facility No	21	21	21	21	21							

08/2019	8/2019 Additional Sample Information:														
	BA-STORAGE - Kidney samples in dry tubes, as stock on site has tested positive for pasteurella skyensis.														
6	6 Total Tests assigned 3														

FHI 059, Version 12 Issued by: FHI Date of issue: 08/10/2018 Method of killing: Percussive Case no: FS0240 2019-0405 Site No: Inspector(s): Sheet Relevant: Y Date of visit: 12/08/2019 S for strong presence: M for medium presence: W for weak presence F3 F4 Time sampled after death (if > 45 minutes) External Signs Behaviour Moribund Lethargic w w w W Hanging vertical Spiralling Flashing Loss of equilibrium Body Dark Distended abdomen Scale Oedema m Opercula Shortened Flared Haemorrhaging Throat Ventrum m W W W m m W W W Base of fins Elsewhere Eyes Exophthalmic Enophthalmic (sunken) Cataract Haemorrhagic Gills Pale Zoned m Necrotic Lesions Flank Elsewhere Vent Inflamed Trailing faeces Lice Load Estimate numbers Internal Signs Clear Ascites Bloody Oedema In tissues Heart Pale/anaemic W w W w W Granulomas Deformed Liver Petechial haem m Gross haem Tissue breakdown Enlarged Colour number(s) Granulomas Lesions Pyloric caeca Petechial haem Tubules mauve Lack of fat 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

Anaemia

Parasites present

General

Case no: 2019-0405

Date of visit: 12/08/2019

C for atrong proces	no: M for modium processo: W fo	_								
	nce: M for medium presence: W fo	rw	_		_	_	_	_	_	_
Fish Number	er death (if > 45 minutes)									
	er death (if > 45 minutes)									
External Signs Behaviour	Moribund									
Benaviour	Lethargic									
	Hanging vertical									
	Spiralling									
	Flashing									
	Loss of equilibrium									
Body	Dark									
Dody	Distended abdomen									
	Anorexic									
	Scale Oedema									
Opercula	Shortened									
Орегсина	Flared									
Haemorrhaging	Throat									
	Ventrum									
	Base of fins									
	Elsewhere									
Eyes	Exophthalmic									
_,00	Enophthalmic (sunken)									
	Cataract									
	Haemorrhagic									
Gills	Pale									
- Cilio	Zoned									
	Necrotic									
Lesions	Flank									
Lociono	Elsewhere									
Vent	Inflamed									
VOIR	Trailing faeces									
Lice Load	Estimate numbers									
Lice Loud	Estimate numbers									
Internal Signs										
Ascites	Clear									
riconico	Bloody									
Oedema	In tissues									
Heart	Pale/anaemic									
	Granulomas									
	Deformed									
Liver	Petechial haem									
	Gross haem									
	Tissue breakdown									
	Enlarged									
	Colour number(s)									
	Granulomas									
	Lesions									
Pyloric caeca	Petechial haem									
. 7.55 04004	Tubules mauve									
	Lack of fat									
Spleen	Enlarged									
	Granulomas									
Gut	No food present									
	Yellow pseudo-faeces									
	External haem									
	Internal haem									
Body wall	Haemorrhaging									
Swim bladder	Haemorrhaging									
- January	Fluid filled									
Kidney	Swollen									
radio y	Grey									
	Granular									
				-						
	Liquefied									
General	Liquefied Parasites present									

FHI 059, Version 12	Issued by: FHI	Date of issue: 08/10/2018
Additional comments:		

Site No: FS0240

Case No: 2019-0405

Nature of non-compliance:

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

Case No: 2019-0405 Date of visit: 12/08/2019 Site No: FS0240 Inspector: Results Summary Freq. Date of Notification Writing Database Phone Insp Insp Insp 2<sup>nd</sup> Insp MG\_IHN 19/09/2019 0/1 15/08/2019 27/08/2019 15/08/2019 27/08/2019 MG\_IPN 0/1 19/09/2019 MG\_ISA 0/1 15/08/2019 27/08/2019 19/09/2019 MG\_SAV 19/09/2019 27/08/2019 0/1 15/08/2019 27/08/2019 19/09/2019 MG VHS 0/1 15/08/2019 HIST\_ADHE 2/5 27/08/2019 27/08/2019 19/09/2019 HIST\_SPAT 2/5 27/08/2019 19/09/2019 27/08/2019 HIST\_CMPS 27/08/2019 2/5 27/08/2019 19/09/2019 HIST HPAT 4/5 27/08/2019 27/08/2019 19/09/2019 5/5 27/08/2019 BACT\_NSIG 27/08/2019 19/09/2019 MG\_PMCV 27/08/2019 19/09/2019 1/1 27/08/2019 Report Summary 2<sup>nd</sup> Insp Case Type Date Insp 14/08/2019 REP DIA 19/09/2019





Mowi Scotland Ltd Stob Ban House Glen Nevis Business Park Fort William PH33 6RX

# FISH HEALTH INSPECTORATE VISIT REPORT

### SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS NO FB0119
SITE NO FS0240
INSPECTOR

DATE OF VISIT 12/08/2019
SITE NAME Linnhe
CASE NO 20190405

### **Section 1: Summary**

The above site was inspected following a report of increased mortality from the operator. During the inspection a number of lethargic fish were observed in the one cage stocked on site. Five fish were removed for further examination and subsequent sampling.

Histopathology examination revealed features consistent with cardiomyopathy syndrome (CMS) in two fish and the others displayed myocarditis. The causative agent of CMS (PMCV) was confirmed by qPCR. Mild peritonitis was also noted.

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 remaining stocked cage on site, five lethargic fish were observed. These five fish were removed for further examination and subsequent diagnostic sampling.

The site had reported increased mortality to the FHI, inspection of records on site showed mortality levels of 2.64% and 14.39% for the previous two weeks respectively, attributed to CMS and *Pasteurella skyensis*. The site had been harvesting out during this period and reduced number of fish on site contributed to the increased mortality percentage. At the time of inspection one cage (21) remained stocked with approximately 6000 fish. The mortality level for cage 21 over the previous four weeks was 1.4%.

External examination of the fish sampled showed haemorrhaging of the ventrum and the base of fins in all fish. Fish 4 had a shortened opercula and zoned gills.

Internal examination showed slight paleness of the heart in all fish. Petechial haemorrhaging of the liver was observed in fish 4 and fish 5 showed an enlarged spleen and slight haemorrhaging of the body wall.

### Samples

Samples were collected from fivefish according to the table below:

Fish number	Pool number	Facility number	Species	Stage	Origin
F1-5	P1	21	Atlantic salmon	6.5 kg 2018 Q1	Loch Lochy

### Results

**Bacteriology:** Kidney and gill material from fish 1-5 were inoculated onto appropriate media for the isolation of bacteria.

No significant bacteria were isolated.

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

Piscine myocarditis virus (PMCV)

Pool Number	Endogenous control Cp value		Cp Values		Reported Result (PCR)
P1	17.65	21.27	21.46	21.74	POSITIVE

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

**Histology:** Tissue samples of gill, skin and skeletal muscle, heart, pyloric caeca, pancreas, hind gut, liver, spleen and kidney were taken from fish 1-5. The tissue samples were fixed in 10% neutral buffered formalin.

Histopathological examination revealed the following:

<u>Gill:</u> F4 displayed some tip bluntness. Free blood among gill filament (likely associated with percussive stunning). Some lamellar epithelial lifting noted (likely post mortem artefacts).

Skin & Muscle: Within normal range.

<u>Heart:</u> F2 and F5 displayed moderate to marked diffuse endocarditis and myocardial fibre necrosis at the spongy layer of ventricle. F2 also displayed several foci of inflammatory cell infiltration at the compact layer and mild focal pericarditis. F3 & F4 exhibited moderate multifocal inflammatory cell infiltration and myocardial fibre degeneration.

<u>Gut and pyloric caeca:</u> Few fibrous adhesions associated with vaccine administration noted in F1 & F5.

Pancreas: Within normal range.

Liver: Mild diffuse hepatocyte vacuolation (F4).

Kidney: Within normal range.

Spleen: Mild to moderate multifocal splenic necrosis (F4 & F5) and slightly congested (F5).

Signed: Fish Health Inspector

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Marine Scotland website at <a href="https://www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter">www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter</a>

Date: 19/09/2019





Mowi Scotland Ltd Stob Ban House Glen Nevis Business Park Fort William PH33 6RX

# FISH HEALTH INSPECTORATE VISIT REPORT

### SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS NO FB0119
SITE NO FS0240
INSPECTOR

 DATE OF VISIT
 12/08/2019

 SITE NAME
 Linnhe

 CASE NO
 20190405

The above site was inspected, following reports of increased mortality from Mowi Scotland Ltd.

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

### Records

The 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.

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.

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: 14/08/2019

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The Fish Health Inspectorate Service Charter detailing standards of service is available on the Marine Scotland website at <a href="https://www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter">www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter</a>



F1 – F2 (top to bottom)

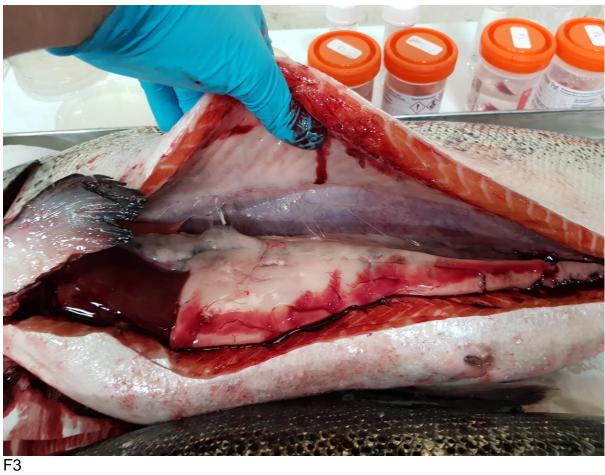


F1





F3 - F4 (top to bottom)





F4





F5

FHI 059, Version 12	Issu	ed by: FHI	Date of issue: 08/10/2018
Case No: 2019-0406			Date of visit: 10/08/2019
Time spent on site:	1.5 hours	Main Inspect	or:
Site No: SS0922 Business No: SB0542	Site Name: Business Name:	Balfron Hatchery Great British Prawns Ltd	
Case Types: 1 REG	2 3	4 5	6
Water Temp (°C):	Thermometer No:		FHI 045 completed
Observations:	Region: CE	Water type: B	CoGP MA
Dead/weak/abnormally behaving Clinical signs of disease observe Gross pathology observed? Diagnostic samples taken?	-	If yes, see additional info	rmation/clinical score sheet. rmation/clinical score sheet. rmation/clinical score sheet.
UNI/REG only - if unable to carry	y out intended visit detail rea	son below:	

Site inspected to review biosecurity measures in place.

FHI 059, Version 12			Issu	ed by: FHI			Date of issu	e: 08/10/2018
Case No:	2019-0406		Site No:	SS0922				
Date of Visit:		10/08/2019	1		Inspector(s)	:		]
Registration/Autho 1. Business/site deta 2. Changes made to	ails summary		ite representa	ative?			Y N	}
Site Details								
Total No facilities		10	Facilities sto	cked	5	No facilitie	es inspected	10
Species	LPV	LPV						
Age group		Larval stage						
No Fish	150	600,000						
Mean Fish Wt	30g	0.001g						
Next Fallow Date (S	ite)	N/A		Next Input Da	ate (Site)	Unknown		
Recent (last 4 wks) of	disease probl	ems?		N	Any escape	s (since last	visit)?	N
Movement Records								
1. Movement records 2. Date of last inspect 3. Are records comp 4. Are movement records comp 5. Are records comp 6. Are health certifications	s available for ction: lete and corre cords available lete and corre	ectly entered? le for dead fis ectly entered?	h and waste?				15/04/2019	Y Y N/A Y
Transport Records  1. Are any movement If yes, is there a systematical	nts carried out			•	_			
Mortality Records								
<ol> <li>Mortality records a</li> <li>How are mortalities</li> </ol>		•			Other (detai	IV.		Ť
			chlorine Awa	aiting uplift by \	Other (detai		Services Ltd	
3. Mortality records of				aiting upint by t	Waisii Diotiic	is maasman	OCIVICES LIG	Y
4. Recent mortality (	•	•	5 broodstocl	k				
5. Evidence of recently figures, facility nos/no		typical mortal	ities?					N
	7,1							
6. Any other peaks in	n mortality du	ring period ch	ecked?					N
If yes, detail: 7. Have increased (u	ınexplained) ı	mortalities be	en reported to	o vet or FHI?				N/A
If yes, detail action:	. ,		·					
8. Have 'mortality ev	ents' been re	ported to FHI	? If no, add M	IRT case and e	enter on mort	ality events	sheet.	N/A

FHI 059, Version 12	les	ued by: FHI	Date of issue: 08/10/2018
1111 055, VEISIOII 12	133	ued by. 1111	Date 01 133de. 00/10/2010
1. Recent treatments	(last 4 wks)?		
If yes, detail:			
If other, detail:			
	s available for inspection?		
4. Are fish in a withdo	lete and correctly entered?		
5. If yes, what treatm	•		
If other, detail:	cm(3):	•	
6. Are medicines sto	red appropriately?		
Biosecurity Record	s available for inspection?		
•	•	ording and safe disposal been considered	12
	•	Scottish Ministers or veterinary profession	
	ned) mortality at the site been included	* *	ar or arry
` '	,		
4. Has the action tha	t will be taken in the event that the pres	sence or suspicion of the presence of a li	sted disease
is detected been incl	uded and how and when that will be n	otified to Scottish Ministers?	
		ed on the farm site been covered (equal	or higher
health status, certific	ation if required)?		
6. Have the husband	ry and biosecurity measures implemen	nted between each epidemiological unit to	o minimise
	•	visitors, equipment, live or dead fish etc.)	
7. Is documentation a	available regarding the measures in pla	ace to maintain the physical containment	of
aquaculture animals			
	ity procedures been adequately implen	nented on site?	
If no, detail:			
Results of Surveilla	ince		

1. Has any animal health surveillance been carried out by, or on behalf of, the business?

2. If yes, are results available for inspection?

If yes, detail (if not detailed under recent disease problems).

Records checked between:

3. Any significant results?

15/04/2019 - 10/08/2019

Case No:	2019-0406			Date of visit:	10/08/2019			
Site No:	SS0922	l		Inspector:		l		
Results Summary	Freq.			Da	te of Notificat	tion		
		Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Insp
Damant Commen								
Report Summary Case Type								
Case Type	Date	Insp	2 <sup>nd</sup> Insp					
REG	14/08/2019							





Great British Prawns Ltd Farm 1 Claylands Balfron G63 0RR

# FISH HEALTH INSPECTORATE VISIT REPORT

#### SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS NO SB0542 SITE NO SS0922 INSPECTOR DATE OF VISIT 10/08/2019
SITE NAME Balfron Hatchery
CASE NO 20190406

The above site was inspected in order to review the biosecurity measures in place.

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

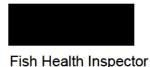
The information required for the public record of aquaculture production businesses regarding this site was verified and where necessary updated. The following records were also inspected to ensure that the conditions of authorisation for your Aquaculture Production Business (APB) are being met:

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.

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

Signed:



Date: 14/08/2019

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Marine Scotland website at <a href="https://www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter">www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter</a>

FHI 059, Version 12	Issu	ued by: FHI	Date of issue: 08/10/2018
Case No: 2019-0407			Date of visit: 10/08/2019
Time spent on site:	1.5 hours	Main Inspect	tor:
Site No: SS0923 Business No: SB0542	Site Name: Business Name:	Balfron Production Unit Great British Prawns Ltd	
Case Types: 1 REG	2 3	4 5	6
Water Temp (°C):	Thermometer No:		FHI 045 completed
Observations:	Region: CE	Water type: B	CoGP MA
Dead/weak/abnormally behaving Clinical signs of disease observed Gross pathology observed? Diagnostic samples taken?	•	If yes, see additional info	ormation/clinical score sheet. ormation/clinical score sheet. ormation/clinical score sheet.
UNI/REG only - if unable to carr	y out intended visit detail rea	ason below:	

Site inspected to review biosecurity measures in place. Site has been fallow since last inspection

FHI 059, Version 12		Issued by: FHI			Date of issu	ie: 08/10/2018
Case No: 2019-04	07 Site No	SS09	23			
Date of Visit:	10/08/2019		Inspector(s	):		]
Registration/Authorisation 1. Business/site details summ 2. Changes made to details?		esentative?			Y N	}
Site Details						
Total No facilities Species	24 Facilitie	es stocked	0	No facilities	sinspected	24
Age group No Fish						
Mean Fish Wt						
Next Fallow Date (Site)	Currently fallow	Next Input	Date (Site)	Unknown		
Recent (last 4 wks) disease p			Y Any escape	es (since last v	visit)?	N
If yes, detail: IHHNV -	stock culled out on 16/07	//2019				
Movement Records  1. Movement records available 2. Date of last inspection: 3. Are records complete and of the second sec	correctly entered? nilable for dead fish and wa correctly entered? ntroductions (outwith GB) a	available?	using a STR)?		16/07/2019	Y N/A N/A N/A
If yes, is there a system in pla			_			
Mortality Records  1. Mortality records available and 2. How are mortalities dispose	ed of?		Other (deta			N/A
	n IBC treated with chlorine	e. Awaiting uplift b	y Walsh Brothe	ers Industrial S	Services Ltd	N/A
<ol> <li>Mortality records complete</li> <li>Recent mortality (last 4 wks)</li> </ol>		site fallow since la	ast inspection			IN/A
5. Evidence of recent increase If yes, facility nos/no mortality	ed/atypical mortalities?					N/A
6. Any other peaks in mortalit	y during period checked?					N/A
If yes, detail: 7. Have increased (unexplaining yes, detail action:	ed) mortalities been repor	ted to vet or FHI?				N/A
8 Have 'mortality events' bee	n reported to FHI2 If no. a	add MRT case and	d enter on mor	tality events s	neet	N/A

FHI 059, Version 12	Issued by: FHI	Date of issue: 08/10/2018
Recent treatments (last 4 wks)?  If yes, detail:  If other, detail:		
Medicines records available for inspe	ection?	
3. Are records complete and correctly en		
4. Are fish in a withdrawal period?		
5. If yes, what treatment(s)?		
If other, detail:		
6. Are medicines stored appropriately?		
Biosecurity Records		
Biosecurity records available for insper	ection?	
	ortality removal, recording and safe disposal been	considered?
3. Has the manner and period in which t	the APB will notify Scottish Ministers or veterinary	professional of any
increased (unexplained) mortality at the	e site been included?	
	e event that the presence or suspicion of the pres when that will be notified to Scottish Ministers?	ence of a listed disease
	animals being stocked on the farm site been cove	ered (equal or higher
health status, certification if required)?	ariirriais being stocked on the farm site been cove	red (equal of higher
Trouble to the second s		
6. Have the husbandry and biosecurity r	measures implemented between each epidemiolo	ogical unit to minimise
transmission of disease been covered (r	movement of staff, visitors, equipment, live or dea	ad fish etc.)?
	the measures in place to maintain the physical co	ontainment of
aquaculture animals held on site?		
8. Have the biosecurity procedures beer	n adequately implemented on site?	
If no, detail:		
Results of Surveillance		
1. Has any animal health surveillance be	een carried out by, or on behalf of, the business?	

2. If yes, are results available for inspection?

If yes, detail (if not detailed under recent disease problems).

Records checked between:

3. Any significant results?

16/07/2019 - 10/08/2019

Case No:	2019-0407			Date of visit:	10/08/2019			
Cubb No.	2010 0401			Date of Visit.	10/00/2010			
Site No:	SS0923			Inspector:				
Results Summary	Freq.			Dat	te of Notificat	tion		
ŕ	·	Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Insp
	1							
Report Summary								
Case Type	Date	Insp	2 <sup>nd</sup> Insp					
REG	14/08/2019							





Great British Prawns Ltd Farm 1 Claylands Balfron G63 0RR

# FISH HEALTH INSPECTORATE VISIT REPORT

#### SUMMARY FOR INFORMATION OF SITE OPERATOR

**BUSINESS No SB0542** SITE NO SS0923

SITE NAME **Balfron Production Unit** CASE NO INSPECTOR

20190407

The above site was inspected to review biosecurity measures in place.

On this occasion, the site was found to be fallow.

## Records

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.

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: 14/08/2019

**DATE OF VISIT** 10/08/2019

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

FHI 059, Version 12		Issued by: FHI	Date of issue: 08/10/2018
Case No: 2019-0408			Date of visit: 20/08/2019
Time spent on site:	1.5 hrs	Main Inspe	ector:
Site No: FS1237 Business No: FB0544	Site Name: Business Name:	Dumfries and Galloway Scotland	
Case Types: 1 DIA	2 REP 3	4 5	6
Water Temp (°C): n/a	Thermometer No:		FHI 045 completed
Observations:	Region: DG	Water type: B	CoGP MA
Dead/weak/abnormally behavir Clinical signs of disease observ Gross pathology observed? Diagnostic samples taken?	-	Y If yes, see additional in	nformation/clinical score sheet.  nformation/clinical score sheet.  nformation/clinical score sheet.
UNI/REG only - if unable to car	ry out intended visit deta	ail reason below:	

An Atlantic salmon was caught by rod and line by an angler and reported to the Nith District Salmon Fishery Board on the 26th July. Fish had haemorrhaging on the ventral surface, base of fins and a mildly swollen vent. Fish was frozen on the 26th by the angler before handing it in to DSFB.

There has been no reports of fish with signs of disease prior to this fish being handed in or since and no mort's have been reported on the r. Nith, but water level has been high.

Fish was caught at grid ref. NX8957188183.

Water temp. unknown at the time fish was caught. Method of killing also unknown.

П	11 059, VEISION 12							155	sueu by. Fr	ш			
	Case no:	2019-04	108	Site No:		FS1237			Date of vis Sampling:		20/0	08/2019	20/0
	Priority samples:	VI		ВА		PA		MG		HI		l	
	Time sampling starts/ends:		0:00	11:1	0:00		Inspecto	r:			VMD No	o. <b> </b>	0
	Environmental conditions:	1	Indoors	2		3		4		5			
	Summary samples	HIST		ВА		MG	Υ	VI	P	A		Total Sa	mples
A	dd Fish/Pools - click												
П	Pool/Fish No	F1	P1										
	Fish nos	1	1										
	Pool Group	P1	P1										
	Species	SAL	SAL										
	Average weight	1.5300	1.5300										
	Sex	N/A	N/A										
	Water Type	FW	FW										
		<u>©</u>	<u>p</u>										
		<u>\s \ \</u>	<u>\sc{8}</u>										
ails		듶	댪										
Details		Z	Z										
		River Nith (wild)	River Nith (wild)										
Stock	Stock Origin												
Ś	Facility No	n/a	n/a										

08/2019	Addition	nal Sam	ple Infor	mation:									
	8/2019 Additional Sample Information:												
2	1	Total To	ests ass	igned	11	1							

FHI 059, Version 12 Issued by: FHI Date of issue: 08/10/2018 Method of killing: Unknown Case no: FS1237 2019-0408 Site No: Inspector(s): Sheet Relevant: Y Date of visit: 20/08/2019 S for strong presence: M for medium presence: W for weak presence Time sampled after death (if > 45 minutes) External Signs Behaviour Moribund Lethargic Hanging vertical Spiralling Flashing Loss of equilibrium Body Dark Distended abdomen Scale Oedema Opercula Shortened Flared Haemorrhaging Throat Ventrum Base of fins Elsewhere Eyes Exophthalmic Enophthalmic (sunken) Cataract Haemorrhagic Gills Pale Zoned Necrotic Lesions Flank Elsewhere Vent Inflamed Trailing faeces Lice Load Estimate numbers Internal Signs Ascites Clear Bloody Oedema In tissues Heart Pale/anaemic Granulomas Deformed Liver Petechial haem Gross haem Tissue breakdown Enlarged Colour number(s) Granulomas Lesions Pyloric caeca Petechial haem Tubules mauve Lack of fat Spleen Enlarged Granulomas Gut No food present Yellow pseudo-faeces External haem Internal haem Body wall Haemorrhaging Swim bladder Haemorrhaging Fluid filled Kidney Swollen Grey

Granular Liquefied

Anaemia

Parasites present

General

Case no: 2019-0408

Date of visit: 20/08/2019

Date of visit:	20/08/2019						
S for strong preser	nce: M for medium presence: W for v	Α					
Fish Number	ico. In for modium prosoneo. W for		_				
	er death (if > 45 minutes)						
External Signs	er death (ii > 40 iniliates)						
Behaviour	Moribund						
Bollavioui	Lethargic						
	Hanging vertical						
	Spiralling						
	Flashing						
	Loss of equilibrium					-	
Body	Dark						
	Distended abdomen						
	Anorexic						
	Scale Oedema						
Opercula	Shortened						
	Flared						
Haemorrhaging	Throat						
	Ventrum						
	Base of fins						
	Elsewhere						
Eyes	Exophthalmic						
	Enophthalmic (sunken)						
	Cataract						
	Haemorrhagic						
Gills	Pale						
	Zoned		_				
	Necrotic						
Lesions	Flank		_			_	
V (	Elsewhere						
Vent	Inflamed						
Line Lond	Trailing faeces						
Lice Load	Estimate numbers						
Internal Signs							
Ascites	Clear						
Ascites	Bloody						
Oedema	In tissues						
Heart	Pale/anaemic						
	Granulomas						
	Deformed					-	
Liver	Petechial haem						
	Gross haem						
	Tissue breakdown						
	Enlarged						
	Colour number(s)						
	Granulomas						
	Lesions						
Pyloric caeca	Petechial haem						
	Tubules mauve						
	Lack of fat						
Spleen	Enlarged						
04	Granulomas						
Gut	No food present						
	Yellow pseudo-faeces						
	External haem						
Padvinell	Internal haem						
Body wall Swim bladder	Haemorrhaging						
Swim bladder	Haemorrhaging						
Kidney	Fluid filled Swollen						
Kidney	Grey						
	Granular						
	Liquefied						
General	Parasites present						
Contolai	Anaemia						
	, araviina						

FHI 059, Version 12	Issued by: FHI	Date of issue: 08/10/201
Additional comments:		

Site No: FS1237

Case No: 2019-0408

Nature of non-compliance:
Action taken (FHI):
Non-compliance relevant to (delete): VirologyMolGen/Bacteriology/Histology/Parasitology

Case No:	2019-0408			Date of vis	it: 20/08/20	)19		
Site No:	FS1237	]		Inspecto	or:	_		
Results Summary	Freq.	Date of Notification						
•		Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Insp
MG_IHNQ	0/1	28/08/2019				28/08/2019		
MG_IPN	0/1	28/08/2019				28/08/2019		
MG_ISA	0/1	28/08/2019				28/08/2019		
MG_PMCV	0/1	28/08/2019				28/08/2019		
MG_PRV	0/1	28/08/2019				28/08/2019		
MG_SAL_POX	0/1	28/08/2019				28/08/2019		
MG_SAV	0/1	28/08/2019				28/08/2019		
MG_VHS	0/1	28/08/2019		1		28/08/2019		
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Report Summary				_				
Case Type	Date	Insp	2 <sup>nd</sup> Insp					
DIA	28/08/2019							
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Page 1 of 1





Nith Catchment Fishery Trust 37 George Street, Dumfries, DG1 1EB Tel: 01387 740 043

## FISH HEALTH INSPECTORATE VISIT REPORT

### SUMMARY FOR INFORMATION OF SITE OPERATOR

**BUSINESS NO** FB0544 **DATE OF VISIT** 20/08/2019

SITE NO FS1237 SITE NAME Dumfries and Galloway

- River Nith

INSPECTOR CASE No 20190408

## **Section 1: Summary**

Following a report from the Nith District Salmon Fishery Board on the 26<sup>th</sup> July 2019 of a fish caught showing haemorrhaging on the ventral surface, Fish Health Inspectors visited the river on the 20<sup>th</sup> August 2019. The fish had been frozen on the 26<sup>th</sup> July prior to inspection and samples being taken.

Molecular testing was negative. However, limited tests could be conducted as the fish was frozen prior to sampling.

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

Following a report of an Atlantic salmon caught by rod and line by an angler and reported to the Nith District Salmon Fishery Board the fish was examined and sampling was carried out.

The fish showed signs of haemorrhaging on the ventral surface and the base of fins, as well as a slightly swollen vent. Post mortem changes may have occurred as a result of the freezing process. On further discussion with the fishery board representative, this was the first fish to be reported with signs of disease in the area and there had been no reports of mortalities. As the fish was frozen on the 26<sup>th</sup> of July by the angler before handing it in to DSFB limited tests could be carried out. Internally, no signs of disease were noted.

### Samples

Samples were collected according to the table below:

Fish number	Pool number	Species	Stage	Origin
F1	P1	Atlantic salmon	1.5 kg	River Nith

### Results

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

The samples tested negative for infectious haematopoietic necrosis virus (IHNV), infectious pancreatic necrosis virus (IPNV), infectious salmon anaemia virus (ISAV), salmonid alphavirus (SAV), viral haemorrhagic septicemia virus (VHSV), piscine reovirus (PRV), piscine myocarditis virus (PMCV) and salmon gill poxvirus (SGPV).

Signed:

Fish Health Inspector

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Marine Scotland website at <a href="https://www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter">www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter</a>

Date: 28/08/2019



Figure 1 - River Nith (fish 1) 26/07/2019



Figure 2 - River Nith (fish 1) 26/07/2019



Figure 3 - River Nith (fish 1) 26/07/2019

FHI 059, Version 12		Issued by: FHI	Date of issue: 08/10/2018			
Case No: 2019-0409			Date of visit: 20/08/2019			
Time spent on site:	30 min	Main Inspecto	or:			
Site No: SS0456 Business No: SB0291	Site Name: Business Name:	Loch Ryan, Shore Site and Bu The Loch Ryan Oyster Fishery	_			
Case Types: 1 REG	23	4 5	6			
Water Temp (°C):	Thermometer No:		FHI 045 completed			
Observations:	Region: DG	Water type: S	CoGP MA			
Dead/weak/abnormally behavin Clinical signs of disease observ Gross pathology observed? Diagnostic samples taken?	•	If yes, see additional infor	mation/clinical score sheet. mation/clinical score sheet. mation/clinical score sheet.			
UNI/REG only - if unable to carry out intended visit detail reason below:						
No oysters have been harvested since last inspection.						

Native oysters are dredged from 5 set locations within Loch Ryan. Oysters of 80 - 100g collected and sold to Rossmore Oysters (London) for human consumption. Any oysters below 80g are placed back into the loch. No oysters have been harvested since last inspection in April 2019 due to technical issues with the boat. These problems are to be rectified within the next week to allow continuation of harvesting.

Although site has been risk assessed as medium, the site has been categorised as high due to the presence of native oysters.

FHI 059, Version 12			Issu	ıed by: FHI			Date of issu	ue: 08/10/2018
Case No:	2019-0409		Site No:	SS0456				
Date of Visit:		20/08/2019			Inspector(s):	:		]
Registration/Authornal 1. Business/site det 2. Changes made to	ails summary		ite representa	ative?			Y N	}
Site Details Total No facilities Species Age group	OED mix	5	Facilities sto	cked	5	No facilitie	es inspected	n/a
No Fish	unknown mix							
Mean Fish Wt Next Fallow Date (S		never fallow		Next Input Da	ate (Site)	wild stock		1
Recent (last 4 wks) If yes, detail:	disease probl	ems?		N	Any escapes	s (since last	visit)?	N
Movement Record  1. Movement record  2. Date of last inspect  3. Are records completed are movement records. Are records completed are records completed are health certifications.	ds available for ection: plete and corre ecords available plete and corre	ectly entered? le for dead fisl ectly entered?	h and waste?				08/04/2019	Y N/A N/A N/A
Transport Records  1. Are any moveme If yes, is there a sys	nts carried ou		•	•	_			
Mortality Records 1. Mortality records 2. How are mortalities		•			Other (detail	1)		N/A
If other detail: 3. Mortality records 4. Recent mortality	•			d mortalities sine	ice last inspe	ction		N/A
5. Evidence of recei	nt increased/a	atypical mortali	ities?					N/A
6. Any other peaks i	n mortality du	ring period ch	ecked?					N/A
If yes, detail: 7. Have increased ( If yes, detail action:			·			"4		N/A
8. Have 'mortality ev	/ents' been re	ported to FHI	? If no. add M	IRT case and $\epsilon$	enter on mort	ality events s	sheet.	N/A

FHI 059, Version 12	lss	sued by: FHI	Date of issue: 08/10/2018				
Recent treatments     If yes, detail:     If other, detail:							
	available for inspection?						
Are records complete.     Are fish in a withdr	ete and correctly entered?						
5. If yes, what treatm	•						
If other, detail:							
6. Are medicines stor	ed appropriately?						
Biosecurity Record	s						
•	s available for inspection?		10				
		ording and safe disposal been conside					
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?							
` '							
	•	esence 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		ted on the faith site been covered (eq	ual of Higher				
6. Have the husband	ry and biosecurity measures impleme	nted between each epidemiological ur	nit to minimise				
	•	visitors, equipment, live or dead fish e					

7. Is documentation available regarding the measures in place to maintain the physical containment of

8. Have the biosecurity procedures been adequately implemented on site?

1. Has any animal health surveillance been carried out by, or on behalf of, the business?

aquaculture animals held on site?

2. If yes, are results available for inspection?

If yes, detail (if not detailed under recent disease problems).

Records checked between:

**Results of Surveillance** 

3. Any significant results?

If no, detail:

08/04/2019 - 20/08/2019

Disinfection of equipment between sites, use of footbaths etc

0

Total Risk 0

Site No: SS0456

Case No: 2019-0409

Nature of non-compliance:

Action taken (FHI):

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

Case No:	2019-0409			Date of visit:	20/08/2019			
Case IVO.	2010-0400			Date of visit.	20/00/2013	ı		
Site No:	SS0456			Inspector:		1		
Results Summary	Freq.			Da	te of Notifica	tion		
Í	· ·	Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Insp
	-							
	<del>                                     </del>							
Report Summary								
Case Type	Date	Insp	2 <sup>nd</sup> Insp					
REG	23/08/2019							
			<u> </u>					





The Loch Ryan Oyster Fishery Co Ltd The Thatched Cottage Penberth, St. Buryan Penzance, Cornwall TR19 6HJ

# FISH HEALTH INSPECTORATE VISIT REPORT

### SUMMARY FOR INFORMATION OF SITE OPERATOR

**BUSINESS No** SB0291 **DATE OF VISIT** 20/08/2019

SITE NO SS0456 SITE NAME Loch Ryan, Shore Site and

Buildings

INSPECTOR CASE No 20190409

### Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

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

No native oysters (Ostrea edulis) have been harvested since last inspection on the 8 h April, 2019.

#### Records

The surveillance frequency category of the site was assessed as medium. However, due to the fact of native oysters being susceptible to *Bonamia ostrea* an inspection under the Aquatic Animal Health (Scotland) Regulations 2009 will be conducted annually.

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.

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



Date: 23/08/2019

Fish Health Inspector

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Marine Scotland website at <a href="https://www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter">www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter</a>

FHI 059, Version 12		Issued by: FHI	Date of issue: 08/10/2018
Case No: 2019-0410			Date of visit: 21/08/2019
Time spent on site:	hr	Main Inspect	or:
Site No: SS0228 Business No: SB0149	Site Name: Business Name:	Hunterston Terminal - Fairlie Cumbrae Oysters Ltd.	
Case Types: 1 QUA	2 3	4 5	6
Water Temp (°C): n/a	Thermometer No:		FHI 045 completed
Observations:	Region: ST	Water type: S	CoGP MA
Dead/weak/abnormally behaving Clinical signs of disease observe Gross pathology observed? Diagnostic samples taken?	•	N If yes, see additional info	rmation/clinical score sheet. rmation/clinical score sheet. rmation/clinical score sheet.
UNI/REG only - if unable to carry	out intended visit deta	ail reason below:	

Quarantine inspection of Cumbrae Oysters depuration plant to ensure conditions met for depositing of CGI from an area subject to movement restrictions.

Approx. 32,000 CGI currently on site from several locations along with ~200kg of Palourdes (Manilla clams) . Stock on site usually sold within a couple of days post depuration.

Tanks cleaned usually every 2nd cycle but may be cleaned more frequently under certain circumstances such as change of species being held in tank or time stock has been held in tank. 1.5 litres of hypochlorite is added to larger tanks (0.75 litres for smaller tanks) and run through for 15 minutes before being released into drains. Tank also scrubbed clean along with flow meter and filter being changed. UV lights also cleaned once a month. After cleaning, copious amounts of freshwater are run through tanks to remove disinfectant before they are re-stocked.

Bags that stock arrives in are placed in black bags and treated with hypochlorite for at least 15 minutes. Records also kept for this action. Due to H&S procedures set out by delivery company preventing van being disinfected with hypochlorite at site, the oysters are packed and sealed with Clingfilm to prevent any leakage. If leakage has occurred it is sprayed with Jeyes fluid and wiped with paper towel.

The water used on site is taken from Hunterston terminal by tanker. It is not treated with anything prior to use but after use it is treated with hypochlorite before being released into the drains.

Any waste is disinfected with hypochlorite and placed in sealed skip. Once full it is removed from site by

Case No:	2019-0410			Date of visit:	21/08/2019			
2230 110.	_515 5415			Date of Viole.	21,00,2010			
Site No:	SS0228			Inspector:				
Results Summary	Freq.			Da	te of Notifica			
		Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Insp
						<b>.</b>		
Report Summary								
Case Type	Date	Insp	2 <sup>nd</sup> Insp					
QUA	23/08/2019							





Cumbrae Oysters Ltd. 38A Bowfield Road Howwood Renfrewshire PA9 1BS

# FISH HEALTH INSPECTORATE VISIT REPORT

#### SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS NO SB0149 SITE NO SS0228

INSPECTOR

**DATE OF VISIT** 21/08/2019

SITE NAME Hunterston Terminal - Fairlie

**CASE No** 20190410

The depuration facility operated by Cumbrae Oysters was inspected to ensure the conditions of authorisation to allow the deposition and depuration of *Crassostrea gigas* (Pacific oysters), *Mercenaria mercenaria* (hard clams), *Cerastoderma edule* (cockles) and *Tapes decussatus* (palourdes) from an area subject to movement restrictions (Othneil Oysters, Poole) are being met.

Documented disinfection, daily tank checks and training records were available for inspection. Standard operating procedures (SOP) for all onsite activities have also been developed and were available for inspection.

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: 23/08/2019

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Marine Scotland website at <a href="https://www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter">www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter</a>

FHI 059, Version 12		Issued by: FHI	Date of issue: 08/10/2018
Case No: 2019-0411			Date of visit: 19/08/2019
Time spent on site:	0 min	Main	Inspector:
Site No: FS0473 Business No: FB0357	Site Name: Business Name:	Niall Bromage Freshw University of Stirling	ater Field Station
Case Types: 1 VMD	2 UNI 3	4 5	6
Water Temp (°C):	Thermometer No:		FHI 045 completed
Observations:	Region: CE	Water type: F	CoGP MA
Dead/weak/abnormally behaving Clinical signs of disease observe	•		onal information/clinical score sheet.
Gross pathology observed?	•		onal information/clinical score sheet.
Diagnostic samples taken?		IVA	
UNI/REG only - if unable to carry	out intended visit deta	ail reason below:	
VMD sa	amples not taken due t	to fish only being at an avera	ge weight of 1.5g

An unannounced inspection was to be carried out and VMD samples collected. Once on site it was discovered that the stock on site were at an average weight of 1.5g. Decision was made to re-schedule for a later date as fish were not at a suitable size for taking vmd samples.

Site No: FS0473

Case No: 2019-0411

Nature of non-compliance:
Action taken (FHI):
Non-compliance relevant to (delete): VirologyMolGen/Bacteriology/Histology/Parasitology

Case No:	2019-0411	Date of visit: 19/08/2019						
Site No:	FS0473	l	Inspector:					
Results Summary	Freq.			Dat	te of Notificat	tion		
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Report Summary				1				
Case Type	Date	Insp	2 <sup>nd</sup> Insp					
UNI/VMD	23/08/2019		2 11150					
	20/00/2010							
	1							





University of Stirling Institute of Aquaculture University of Stirling Stirling FK9 4LA

# FISH HEALTH INSPECTORATE VISIT REPORT

### SUMMARY FOR INFORMATION OF SITE OPERATOR

**BUSINESS NO** FB0357 **DATE OF VISIT** 19/08/2019

SITE No FS0473 SITE NAME Niall Bromage Freshwater

Field Station

INSPECTOR CASE No 20190411

Inspection under the Animals and Animal Products (Examination for Residues and Maximum Residue Limits) (England and Scotland) Regulations 2015

The above site was visited in accordance with the Animals and Animal Products (Examination for Residues and Maximum Residue Limits) (England and Scotland) Regulations 2015. On this occasion the inspection was unannounced to meet the requirements of European Council Regulation 882/2004.

Samples were not taken to be analysed for veterinary residues as the average weight of the fish (1.5g) was too small for sampling.

### Records

The information required for the public record of aquaculture production businesses regarding this site was verified and where necessary updated.

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.

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



The Fish Health Inspectorate Service Charter detailing standards of service is available on the Marine Scotland website at <a href="https://www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter">www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter</a>

FHI 059, Version 12		Issued by: FHI	Date	of issue: 08/10/2018
Case No: 2019-0414			Date of visit:	08/08/2019
Time spent on site:	hour	Maii	n Inspector:	
Site No: SS0636 Business No: SB0416	Site Name: Business Name:	Whalefirth C&A Thomason Ltd		
Case Types: 1 ECI 2	3	4 5	6	]
Water Temp (°C): 12.5	Thermometer No:	T274	FHI 045 con	npleted
Observations:	Region: SH	Water type:	G CoGP M	Ą
Dead/weak/abnormally behaving of Clinical signs of disease observed Gross pathology observed? Diagnostic samples taken?	•	N If yes, see addit	ional information/clinica ional information/clinica ional information/clinica	l score sheet.
UNI/REG only - if unable to carry	out intended visit detail	l reason below:		

Site used to collect spat for resocking on other sites operated by C & A Thomason. Mainly self-sufficient, but occasionally take additional spat from A & C Tait if required. Don't take samples for toxin testing at this site as it is only for spat collection. Very good spatfall this year especially on the 2 outer lines on both sides of the site. One line of spat will be resocked onto 4 ongrowing lines.

Do not sell via SSMG, still independent. Produce smaller volumes, but sell a higher value product for restaurants. Mainly sell in the UK, but also abroad to countries such as Dubai.

Have droppers and spat collection ladder ropes on the lines. Spat in good condition and very little fouling.

FHI 059, Version 12			Issu	ed by: FHI			Date of issu	e: 08/10/2018
Case No:	2019-0414	]	Site No:	SS0636				
Date of Visit:		08/08/2019	3		Inspector(s):			]
Registration/Authornamental 1. Business/site deta 2. Changes made to	ails summary		ite representa	ative?			Y N	}
Site Details								
Total No facilities		6 lines	Facilities sto	cked	6 lines	No facilitie	s inspected	6 lines
Species	MED							
Age group	1 year old							
No Fish	6 lines							
Mean Fish Wt	N/A							
Next Fallow Date (S	ite)	August/Sept	ember 2019	Next Input Da	ite (Site)	Natural sp	atfall	
Recent (last 4 wks)	disease probl	ems?		N	Any escapes	(since last	visit)?	N/A
If yes, detail:								
Movement Records	S							
1. Movement record		r inspection?						Y
2. Date of last inspe							25/07/2017	
3. Are records comp		•						Y N/A
<ol><li>Are movement re</li><li>Are records comp</li></ol>								N/A N/A
6. Are health certific		•		able?				N/A
		idoliono (odin	, iii 35, avaii					
Transport Records  1. Are any movement		t by (or on bo	half) of the bu	icinoss (not usi	ing a STR\2			
If yes, is there a sys				•	_			
Mortality Records	tom in place i	or maintenan	oo or transpor		•			
Mortality records	available for i	nspection?						Y
2. How are mortalities		•			Other (detail)			
	seabed				(22222)			
3. Mortality records	complete and	correctly ent	ered?					Y
4. Recent mortality (last 4 wks): No observed mortality								
5. Evidence of recent increased/atypical mortalities?						N		
If yes, facility nos/no mortality per facility/no stock per facility/reason:								
C. A th l :								I N
6. Any other peaks i If yes, detail:	n mortality du	ring period cr	iecked?					N
7. Have increased (	unexplained)	mortalities be	en reported to	vet or FHI?				N/A
If yes, detail action:								
8. Have 'mortality events' been reported to FHI? If no, add MRT case and enter on mortality events sheet.						N/A		

FHI 059, Version 12	Issued by: FHI	Date of issue: 08/10/2018
Recent treatments (last 4 wks)?  If you detail:		
If yes, detail: If other, detail:		
Medicines records available for inspec	ction?	
Are records complete and correctly er		
4. Are fish in a withdrawal period?		
5. If yes, what treatment(s)?		
If other, detail:		
6. Are medicines stored appropriately?		
Biosecurity Records		
Biosecurity records available for insper	ection?	Y
•	rtality removal, recording and safe disposal been	considered?
3. Has the manner and period in which the	he APB will notify Scottish Ministers or veterinary	y professional of any
increased (unexplained) mortality at the	site been included?	Y
	e event that the presence or suspicion of the pres	sence of a listed disease Y
	when that will be notified to Scottish Ministers?	
•	animals being stocked on the farm site been cove	ered (equal or higher Y
health status, certification if required)?		
6. Have the husbandry and biosecurity m	neasures implemented between each epidemiolo	ogical unit to minimise
•	novement of staff, visitors, equipment, live or de	
·	the measures in place to maintain the physical c	
aquaculture animals held on site?	, , , , , , , , , , , , , , , , , , ,	
8. Have the biosecurity procedures been	adequately implemented on site?	Y
If no, detail:		
Results of Surveillance		
1. Has any animal health surveillance be	een carried out by, or on behalf of, the business?	N

2. If yes, are results available for inspection?

If yes, detail (if not detailed under recent disease problems).

Records checked between:

3. Any significant results?

25/7/17 - 8/8/19

Date of issue: 08/10/2018 FHI 059, Version 12 Issued by: FHI Case Number: 2019-0414 Site No: SS0636 Date of Visit 08/08/2019 Inspector: Number of Susceptible species on site If no susceptible species present = LOW risk If susceptible species present, score for each pathogen Yes No 25 Susceptible to Bonamia ostrea (OED) 0 0 Susceptible to Marteilia refringens (OED, MED) 0 3 3 Susceptible to OsHV (CGI) 0 3 0 1 2-5 >6 Sites within a tidal excursion Site contacts Number of sites holding susceptible species within a tidal excursion 0 2 10 Live shellfish movements 0 1-2 >3 Frequency of movements on from equivalent MS O 10 Movements on Frequency of movements on from equivalent zone or compartment including third country 0 10 20 n Number of suppliers 0 5 10 0 Movements off Frequency of movements off within MSS Management 0 1 2 0 Frequency of movements off outwith MSS Management 0 6 3 6 Areas 0 Number of destinations Secure Unsecure Management (effluent (no effluent treatment) practices None treatment) Water contacts with Depuration of stock from own sites within MSS depuration facilities management area 0 2 0 Depuration of stock from other businesses sites within 0 2 6 0 MSS management area Depuration of stock from sites outwith MSS management 0 8 0 area Number of sites 2 or 3 > 4 **Biosecurity** Contacts with other Sites operating from single shorebase Sites sharing staff and equipment sites Yes No Disinfection of equipment between sites, use of footbaths etc 0

Total Risk

Case No:	2019-0414			Date of visit:	08/08/2019			
Site No:	SS0636			Inspector:				
Results Summary	Freq.				te of Notificat			
		Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Insp
Report Summary								
Case Type	Date	Insp	2 <sup>nd</sup> Insp					
ECI	21/08/2019							





C&A Thomason Ltd Cullivoe Pier Yell Shetland ZE2 9DD

# FISH HEALTH INSPECTORATE VISIT REPORT

### SUMMARY FOR INFORMATION OF SITE OPERATOR

 BUSINESS NO
 SB0416
 DATE OF VISIT
 08/08/2019

 SITE NO
 SS0636
 SITE NAME
 Whalefirth

 INSPECTOR
 CASE NO
 20190414

## 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.

No mortality had been observed on site since the last inspection by Marine Scotland.

No animal health surveillance had been carried out on behalf of the business and/or Marine Scotland since the last Marine Scotland Inspection.

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

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



Fish Health Inspector

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Marine Scotland website at <a href="https://www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter">www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter</a>

Date: 21/08/2019

FHI 059, Version 12	Issu	ied by: FHI	Date of issue: 08/10/2018
Case No: 2019-0415			Date of visit: 08/08/2019
Time spent on site:	10 minutes	Main Inspecto	or:
Site No: SS0558 Business No: SB0416	Site Name: Business Name:	Shalder's Ayre C&A Thomason Ltd	
Case Types: 1 REG	2 3	4 5	6
Water Temp (°C):	Thermometer No:		FHI 045 completed
Observations:	Region: SH	Water type: S	CoGP MA
Dead/weak/abnormally behaving Clinical signs of disease observed Gross pathology observed? Diagnostic samples taken?	•	If yes, see additional infor	rmation/clinical score sheet. rmation/clinical score sheet. rmation/clinical score sheet.
UNI/REG only - if unable to carr	y out intended visit detail rea	ason below:	

Site has been fallow since taken over from previous operator in 2012. Bought to use as a spat collection site (class B water so would have to depurate if straight to market), but have enough spat from site in Whalefirth with small top up from A & C Tait if required.

No facilities in the water. If decide to install lines may subcontract to Eastvoe Shellfish as don't have a boat in the area or enough staff to manage the site in addition to the sites in Yell.

Unable to view area as cannot be seen from the shore.

FHI 059, Version 12		Issı	ued by: FHI		Γ	Date of issu	ıe: 08/10/2018
Case No:	2019-0415	Site No:	SS0558				
Date of Visit:	08/08/2	2019		Inspector(s):	:		]
Registration/Authornamental 1. Business/site deta 2. Changes made to	ails summary checked	by site represent	ative?			Y Y	}
Site Details Total No facilities Species	O	Facilities sto	ocked	0	No facilities	inspected	0
Age group No Fish							
Mean Fish Wt Next Fallow Date (S	ite) N/A		Next Input Da	ate (Site)	not certain		
Recent (last 4 wks) If yes, detail:	disease problems?		N/A	Any escapes	s (since last vi	sit)?	N/A
<ol> <li>Date of last inspe</li> <li>Are records comp</li> <li>Are movement re</li> <li>Are records comp</li> </ol>	ds available for inspection	ered? ad fish and waste? ered?				21/07/2015	Y N/A N/A N/A
•	s nts carried out by (or or tem in place for mainte	•	•	_			
2. How are mortalitie		?		Other (detail	l)		N/A
	Seabed complete and correctly (last 4 wks):		since last inspec	ction			N/A
5. Evidence of recer	nt increased/atypical mo o mortality per facility/no	ortalities?					N/A
	in mortality during perio	d checked?					N/A
If yes, detail action:	unexplained) mortalities			enter en mort	ality ayonta sh	a at	N/A
8. Have mortality ev	lents been reported to	FHI? IT NO. add IV	VIR I case and F	enter on morta	ality events sn	leet.	IN/A

FHI 059, Version 12	Issue	ed by: FHI	Date of issue: 08/10/2018
	available for inspection? te and correctly entered? wal period?		
6. Are medicines store	d appropriately?		
<ul><li>2. Has the manner and increased (unexplained)</li><li>4. Has the action that is detected been included.</li></ul>	available for inspection?  If frequency of mortality removal, record period in which the APB will notify Scaled) mortality at the site been included?  If will be taken in the event that the preseded and how and when that will be not us of aquaculture animals being stocked tion if required)?	ottish Ministers or veterinary profession of the presence of a tified to Scottish Ministers?	listed disease
transmission of diseas 7. Is documentation at aquaculture animals h	y and biosecurity measures implemente te been covered (movement of staff, vis vailable regarding the measures in place eld on site? y procedures been adequately impleme	sitors, equipment, live or dead fish etc ee to maintain the physical containmen	:.)?
Results of Surveillan	ce		
1. Has any animal hea	lth surveillance been carried out by, or	on behalf of, the business?	

21/7/15 - 8/8/19

2. If yes, are results available for inspection?

If yes, detail (if not detailed under recent disease problems).

Records checked between:

3. Any significant results?

Date of issue: 08/10/2018 FHI 059, Version 12 Issued by: FHI Case Number: 2019-0415 Site No: SS0558 Date of Visit 08/08/2019 Inspector: Number of Susceptible species on site If no susceptible species present = LOW risk If susceptible species present, score for each pathogen Yes No 25 Susceptible to Bonamia ostrea (OED) 0 0 Susceptible to Marteilia refringens (OED, MED) 0 3 3 Susceptible to OsHV (CGI) 0 3 0 1 2-5 >6 Sites within a tidal excursion Site contacts Number of sites holding susceptible species within a tidal 10 excursion 0 2 10 Live shellfish movements 0 1-2 >3 Frequency of movements on from equivalent MS O 10 0 Movements on Frequency of movements on from equivalent zone or compartment including third country 0 10 20 n Number of suppliers 0 5 10 0 Movements off Frequency of movements off within MSS Management 0 1 2 0 Frequency of movements off outwith MSS Management 0 0 3 6 Areas 0 Number of destinations Secure Unsecure Management (effluent (no effluent treatment) practices None treatment) Water contacts with Depuration of stock from own sites within MSS depuration facilities management area 0 2 0 Depuration of stock from other businesses sites within 0 2 6 0 MSS management area Depuration of stock from sites outwith MSS management 0 8 0 area Number of sites 2 or 3 > 4 **Biosecurity** Contacts with other Sites operating from single shorebase Sites sharing staff and equipment sites Yes No Disinfection of equipment between sites, use of footbaths etc 0 0

Total Risk

LOW

Case No:	2019-0415	Date of visit: 08/08/2019						
Site No:	SS0558	Inspector:						
Results Summary	Freq.	Date of Notification						
		Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Insp
Report Summany				1				
Report Summary Case Type	Date	Inch	and Image					
REG	21/08/2019	Insp	2 <sup>nd</sup> Insp					
INLO	21/00/2019							
	<del>                                     </del>							
	<del>                                     </del>							





C&A Thomason Ltd Cullivoe Pier Yell Shetland ZE2 9DD

# FISH HEALTH INSPECTORATE VISIT REPORT

### SUMMARY FOR INFORMATION OF SITE OPERATOR

 Business No
 SB0416
 Date of Visit
 08/08/2019

 Site No
 Site Name
 Shalder's Ayre

 Inspector
 Case No
 20190415

## Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

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

The site was reported to be long-term fallow, but an inspection could not be carried out due to the location of the site.

#### Records

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

No mortality had been observed on site since the last inspection by Marine Scotland.

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



The Fish Health Inspectorate Service Charter detailing standards of service is available on the Marine Scotland website at <a href="https://www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter">www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter</a>

FHI 059, Version 12		Issued by: FHI	Date of issue: 08/10/2018				
Case No: 2019-0416			Date of visit: 08/08/2019				
Time spent on site:	minutes	Main In	spector:				
Site No: SS0854 Business No: SB0337	Site Name: Business Name:	Lee of Vollister Cribba Sound Ltd					
Case Types: 1 ECI 2	3	4 5	6				
Water Temp (°C): 12.5	Thermometer No:	T274	FHI 045 completed				
Observations:	Region: SH	Water type: S	CoGP MA				
Dead/weak/abnormally behaving to Clinical signs of disease observed Gross pathology observed? Diagnostic samples taken?	•	N If yes, see additiona	al information/clinical score sheet. al information/clinical score sheet. al information/clinical score sheet.				
UNI/REG only - if unable to carry out intended visit detail reason below:							

Lines very heavy with mussels (1 year old stock). Use this site for spat collection and then transfer to other sites on Shetland mainland for ongrowing. Transfer of stock to other sites is dependent on availability of contractors to strip lines so may end up growing mussels here to harvest size. Site was last fully cleared in March 2018.

Inspected site with other operator in voe. Information and paperwork collected via email.

FHI 059, Version 12		Issue	ed by: FHI			Date of issu	e: 08/10/2018
Case No: 20	019-0416	Site No:	SS0854				
Date of Visit:	30	3/08/2019		Inspector(s):			]
Registration/Authoris  1. Business/site details  2. Changes made to details	summary che	cked by site representa	tive?			Y Y	}
Age group 1	4 III IED year old lines	nes Facilities stoo	cked	4 lines	No facilitie	s inspected	4 lines
Mean Fish Wt	/A						
Next Fallow Date (Site	) Not	certain	Next Input Da	te (Site)	Natural sp	atfall	
Recent (last 4 wks) dis	ease problems	?	N	Any escapes	(since last	visit)?	N/A
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?							
•	-	(or on behalf) of the bu aintenance of transpor	•	_			
Mortality Records  1. Mortality records ava  2. How are mortalities If other detail:	disposed of?	ection?		Other (detail)			Y
Mortality records cor     Recent mortality (last	•	rectly entered? No observed	mortality				Y
5. Evidence of recent in If yes, facility nos/no m	• •	cal mortalities? lity/no stock per facility/	reason:				N
6. Any other peaks in r If yes, detail:	nortality during	period checked?					N
If yes, detail action:		alities been reported to		enter on morta	lity events s	sheet.	N/A

2. If yes, are results available for inspection?

3. Any significant results?

1. Has any animal health surveillance been carried out by, or on behalf of, the business?

Date of issue: 08/10/2018 FHI 059, Version 12 Issued by: FHI Case Number: 2019-0416 Site No: SS0854 Date of Visit 08/08/2019 Inspector: Number of Susceptible species on site If no susceptible species present = LOW risk If susceptible species present, score for each pathogen Yes No 25 Susceptible to Bonamia ostrea (OED) 0 0 Susceptible to Marteilia refringens (OED, MED) 0 3 3 Susceptible to OsHV (CGI) 0 3 0 1 2-5 >6 Sites within a tidal excursion Site contacts Number of sites holding susceptible species within a tidal excursion 0 2 10 Live shellfish movements 0 1-2 >3 Frequency of movements on from equivalent MS O 10 Movements on Frequency of movements on from equivalent zone or compartment including third country 0 10 20 n Number of suppliers 0 5 10 0 Movements off Frequency of movements off within MSS Management 0 1 2 0 Frequency of movements off outwith MSS Management 0 6 3 6 Areas 0 Number of destinations Secure Unsecure Management (effluent (no effluent treatment) practices None treatment) Water contacts with Depuration of stock from own sites within MSS depuration facilities management area 0 2 0 Depuration of stock from other businesses sites within 0 2 6 0 MSS management area Depuration of stock from sites outwith MSS management 0 8 0 area Number of sites 2 or 3 > 4 **Biosecurity** Contacts with other Sites operating from single shorebase Sites sharing staff and equipment sites Yes No Disinfection of equipment between sites, use of footbaths etc 0 0

Total Risk

Case No:	2019-0416	Date of visit: 08/08/2019						
Site No:	SS0854	Inspector:						
Results Summary	Freq.	Date of Notification						
		Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Insp
Report Summary								
Report Summary Case Type	Date	Insp	2 <sup>nd</sup> Insp					
FCI	02/09/2019	шэр	2 insp					
ECI	02/03/2013							
	<del>                                     </del>							
			<del></del>					
			<b>—</b>					
	_							





Cribba Sound Ltd Fograbrekk North Roe Shetland ZE2 9RY

# FISH HEALTH INSPECTORATE VISIT REPORT

### SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS NO SB0337
SITE NO SS0854
INSPECTOR

DATE OF VISIT 08/08/2019
SITE NAME Lee of Vollister
CASE NO 20190416

# 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.

No mortality had been observed on site since the last inspection by Marine Scotland.

No animal health surveillance had been carried out on behalf of the business and/or Marine Scotland since the last Marine Scotland Inspection.

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

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



The Fish Health Inspectorate Service Charter detailing standards of service is available on the Marine Scotland website at <a href="https://www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter">www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter</a>

FHI 059, Version 12		Issued by: FHI	Date of issue: 08/10/2018
Case No: 2019-0417			Date of visit: 06/08/2019
Time spent on site:	mins	Main Inspect	or:
Site No: SS0663 Business No: SB0396	Site Name: Business Name:	South Voe Burra Olnafirth Sea Farm Ltd	
Case Types: 1 ECI 2	2 3	4 5	6
Water Temp (°C): 12.5	Thermometer No:	T274	FHI 045 completed
Observations:	Region: SH	Water type: S	CoGP MA
Dead/weak/abnormally behaving to Clinical signs of disease observed Gross pathology observed? Diagnostic samples taken?	•	N If yes, see additional info	rmation/clinical score sheet. rmation/clinical score sheet. rmation/clinical score sheet.
UNI/REG only - if unable to carry	out intended visit deta	nil reason below:	

### **Additional Case Information:**

Two 220m lines and two 22m lines on site. Mix of continuous line and droppers. Site is in a shallow area so maximum depth of droppers is 3.5m.

Have had one harvest since last inspection of 11 tonnes a couple of years ago. Approximately 6 tonnes of 4 year old stock still on site and ready for harvesting when Blueshell Mussels available. Only harvest during months when area is class A so don't have to depurate. Area has been class A for the whole year so far.

Poor spatfall in 2017 and had a lot of squirts on the lines. Stripped the spat lines completely last year and redeployed. Lots of sea squirts, particularly on the droppers and some tubeworms on the larger shells.

FHI 059, Version 12			Issu	ed by: FHI			Date of issu	e: 08/10/2018
Case No:	2019-0417	]	Site No:	SS0663				
Date of Visit:		06/08/2019	9		Inspector(s):			]
Registration/Autho 1. Business/site deta 2. Changes made to	ails summary		ite representa	ative?			Y Y	]
Site Details								
Total No facilities		4	Facilities sto	cked	4	No facilitie	es inspected	4
Species	MED	MED						
Age group	4 year old	1 year old						
No Fish	1 Line	3 lines						
Mean Fish Wt	N/A	N/A						
Next Fallow Date (S	ite)	N/A		Next Input Da	te (Site)	Natural sp	atfall	
Recent (last 4 wks) of If yes, detail:	disease probl	ems?		N	Any escapes	(since last	visit)?	N/A
•								
Movement Records								
Movement record		r inspection?						Y
2. Date of last inspec							22/07/2015	
3. Are records comp		•						Y
4. Are movement red								N/A
<ol><li>Are records comp</li><li>Are health certification</li></ol>		-		abla?				N/A N/A
		auctions (outv	VILLI GD) avalla	able :				IN/A
Transport Records								
1. Are any movemen			•	•	_			
If yes, is there a syst	em in place t	or maintenan	ice of transpoi	rtation records				
Mortality Records								
Mortality records a								Y
2. How are mortalitie		if?			Other (detail)			
	Seabed	a a wa a thu a m t	ava d O					
<ol> <li>Mortality records of</li> <li>Recent mortality (</li> </ol>	•	correctly ent		l manufaliti.				,
• ,	•		No observed	mortality				I NI
5. Evidence of recen		••		droopen:				N
If yes, facility nos/no	mortality per	Tacility/110 St	ock per racility	rieason.				
6. Any other peaks in	n mortality du	ring period cl	necked?					N
If yes, detail:	du	g poriou or						
7. Have increased (u	inexplained)	mortalities be	en reported to	vet or FHI?				N/A
If yes, detail action:	,							
8. Have 'mortality events' been reported to FHI? If no, add MRT case and enter on mortality events sheet.								N/A

FHI 059, Version 12	Issu	ed by: FHI	Date of issue: 08/10/2018
Recent treatments (I If yes, detail:	ast 4 wks)?		
If other, detail:	<u> </u>		
2. Medicines records a	vailable for inspection?		
	e and correctly entered?		
4. Are fish in a withdraw	•		
5. If yes, what treatmer	ıt(s)?		
If other, detail:			
6. Are medicines stored	d appropriately?		
Biosecurity Records			
•	available for inspection?		Y
•	•	ding and safe disposal been considered	? Y
		cottish Ministers or veterinary profession	
	d) mortality at the site been included?	•	Y
4. Has the action that v	vill be taken in the event that the prese	ence or suspicion of the presence of a lis	sted disease Y
is detected been includ	led and <i>how</i> and <i>when</i> that will be no	tified to Scottish Ministers?	
		ed on the farm site been covered (equal	or higher Y
health status, certificati	on if required)?		
•	•	ed between each epidemiological unit to isitors, equipment, live or dead fish etc.)	
	•		
aquaculture animals he		ce to maintain the physical containment	01
•	procedures been adequately impleme	ented on site?	Y
If no, detail:	procedures seem adequately impleme	STROUGHT SIGN.	
Results of Surveilland	ce		
1 Has any animal heal	th surveillance been carried out by, or	on hehalf of the husiness?	N
as arry arminal rical	in our remarioe been curried out by, or	on bondinor, the business.	

2. If yes, are results available for inspection?

If yes, detail (if not detailed under recent disease problems).

Records checked between:

3. Any significant results?

22/07/2015 - 6/8/19

Date of issue: 08/10/2018 FHI 059, Version 12 Issued by: FHI Case Number: 2019-0417 Site No: SS0663 Date of Visit 06/08/2019 Inspector: Number of Susceptible species on site If no susceptible species present = LOW risk If susceptible species present, score for each pathogen Yes No 25 Susceptible to Bonamia ostrea (OED) 0 0 Susceptible to Marteilia refringens (OED, MED) 0 3 3 Susceptible to OsHV (CGI) 0 3 0 1 2-5 >6 Sites within a tidal excursion Site contacts Number of sites holding susceptible species within a tidal 10 excursion 0 2 10 Live shellfish movements 0 1-2 >3 Frequency of movements on from equivalent MS 10 0 Movements on Frequency of movements on from equivalent zone or compartment including third country 0 10 20 n Number of suppliers 0 5 10 0 Movements off Frequency of movements off within MSS Management 0 1 2 0 Frequency of movements off outwith MSS Management 0 0 3 6 Areas 0 Number of destinations Secure Unsecure Management (effluent (no effluent treatment) practices None treatment) Water contacts with Depuration of stock from own sites within MSS depuration facilities management area 0 2 0 Depuration of stock from other businesses sites within 0 2 6 0 MSS management area Depuration of stock from sites outwith MSS management 0 8 0 area Number of sites 2 or 3 > 4 **Biosecurity** Contacts with other Sites operating from single shorebase Sites sharing staff and equipment sites Yes No Disinfection of equipment between sites, use of footbaths etc 0 0

Total Risk

LOW

Case No:	2019-0417	Date of visit: 06/08/2019							
Site No:	SS0663	Inspector:							
Results Summary	Freq.	Date of Notification							
		Database	Insp		Insp	Writing	Insp	2 <sup>nd</sup> Insp	
Report Summary				1					
Case Type	Date	Insp	2 <sup>nd</sup> Insp						
ECI	21/08/2019		2 11130						
	1								





Olnafirth Sea Farm Ltd Lower Voe Shetland ZE2 9PX

# FISH HEALTH INSPECTORATE VISIT REPORT

#### SUMMARY FOR INFORMATION OF SITE OPERATOR

Business NoSB0396Date of Visit06/08/2019Site NoSS0663Site NameSouth Voe BurraInspectorCase No20190417

# 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 low. An inspection under the Aquatic Animal Health (Scotland) Regulations 2009 will be conducted fourth 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.

No mortality had been observed on site since the last inspection by Marine Scotland.

No animal health surveillance had been carried out on behalf of the business and/or Marine Scotland since the last Marine Scotland Inspection.

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

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



The Fish Health Inspectorate Service Charter detailing standards of service is available on the Marine Scotland website at <a href="https://www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter">www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter</a>

FHI 059, Version 12	Issu	ed by: FHI		Date of issue: 08/10/2018
Case No: 2019-0418				Date of visit: 08/08/2019
Time spent on site:	mins	]	Main Inspecto	r:
3.00.00	Site Name: Business Name:	Mill Bight Suthra Voe She	llfish	
Case Types: 1 REG 2	3	4	5	6
Water Temp (°C):	Thermometer No:			FHI 045 completed
Observations:	Region: SH	Water type:	: S	CoGP MA
Dead/weak/abnormally behaving fis Clinical signs of disease observed? Gross pathology observed?	•	N/A If yes, see a	additional inforr	nation/clinical score sheet. nation/clinical score sheet. nation/clinical score sheet.
Diagnostic samples taken?				
UNI/REG only - if unable to carry or	ut intended visit detail rea	son below:		

## **Additional Case Information:**

Site has been fallow since last inspection in 2017, therefore no movements. May use again, but not certain when. Paperwork checked over the phone.

Other sites registered to Suthra Voe Shellfish are managed by Blueshell Mussels, but this site is still operated by and and

FHI 059, Version 12	•		Issu	ued by: FHI			Date of issu	ıe: 08/10/2018
Case No:	2019-0418		Site No:	SS0843	3			
Date of Visit:		08/08/2019	9		Inspector(s):	:		]
Registration/Authornal 1. Business/site detaction 2. Changes made to	ails summary		site representa	ative?			Y	}
Site Details Total No facilities		0	Facilities sto	ocked	О	No facilitie	s inspected	0
Species	Fallow							
Age group No Fish								
Mean Fish Wt								
Next Fallow Date (S	ite)	N/A		Next Input Da	ate (Site)	Not certain		
Recent (last 4 wks) If yes, detail:	disease probl	ems?		N	Any escapes	s (since last v	/isit)?	N/A
Movement Record	s							
Movement record		r inspection?						N/A
2. Date of last inspe							not checked	
3. Are records comp		ectly entered	?					N/A
4. Are movement re				,				N/A
5. Are records comp		•						N/A
6. Are health certific	ates for introd	luctions (out	vith GB) availa	able?				N/A
Transport Records	;							
1. Are any movement of yes, is there a sys			•	•	_			
Mortality Records								
1. Mortality records	available for i	nspection?						N/A
2. How are mortalities	es disposed o	f?			Other (detail	l)		
If other detail:	seabed							
3. Mortality records	•	correctly ent						N/A
4. Recent mortality	` '		Site fallow					A NIZA
5. Evidence of recei		• •						N/A
If yes, facility nos/no	mortality per	facility/no sto	ock per facility	/reason:				
6. Any other peaks i	in mortality du	rina period cl	necked?					N/A
If yes, detail:		Times process						
7. Have increased (		mortalities be	en reported to	o vet or FHI?				N/A
If yes, detail action:								
8. Have 'mortality ev	vents' been re	ported to FHI	i? If no. add IV	IRT case and c	enter on mort	alitv events s	neet.	N/A

FHI 059, Version 12	Issued by: FHI	Date of issue: 08/10/2018
1. Recent treatments (last 4 If yes, detail: If other, detail: 2. Medicines records availab 3. Are records complete and 4. Are fish in a withdrawal pe 5. If yes, what treatment(s)? If other, detail:	ole for inspection? I correctly entered? eriod?	
6. Are medicines stored app	ropriately?	
3. Has the manner and period increased (unexplained) model.  4. Has the action that will be is detected been included an	uency of mortality removal, recording and safe od in which the APB will notify Scottish Minister ortality at the site been included?  I taken in the event that the presence or suspice and how and when that will be notified to Scottis quaculture animals being stocked on the farm	sion of the presence of a listed disease sh Ministers?
transmission of disease beer 7. Is documentation available aquaculture animals held on	biosecurity measures implemented between ea in covered (movement of staff, visitors, equipm e regarding the measures in place to maintain i site? edures been adequately implemented on site?	nent, live or dead fish etc.)? the physical containment of
Results of Surveillance		
1. Has any animal health sur	rveillance been carried out by, or on behalf of,	the business?

9/11/17 - 6/8/19

2. If yes, are results available for inspection?

If yes, detail (if not detailed under recent disease problems).

Records checked between:

3. Any significant results?

Date of issue: 08/10/2018 FHI 059, Version 12 Issued by: FHI Case Number: 2019-0418 Site No: SS0843 Date of Visit 08/08/2019 Inspector: Number of Susceptible species on site If no susceptible species present = LOW risk If susceptible species present, score for each pathogen Yes No 25 Susceptible to Bonamia ostrea (OED) 0 0 Susceptible to Marteilia refringens (OED, MED) 0 3 3 Susceptible to OsHV (CGI) 0 3 0 1 2-5 >6 Sites within a tidal excursion Site contacts Number of sites holding susceptible species within a tidal 10 excursion 0 2 10 Live shellfish movements 0 1-2 >3 Frequency of movements on from equivalent MS O 10 0 Movements on Frequency of movements on from equivalent zone or compartment including third country 0 10 20 n Number of suppliers 0 5 10 0 Movements off Frequency of movements off within MSS Management 0 1 2 0 Frequency of movements off outwith MSS Management 0 0 3 6 Areas 0 Number of destinations Secure Unsecure Management (effluent (no effluent treatment) practices None treatment) Water contacts with Depuration of stock from own sites within MSS depuration facilities management area 0 2 0 Depuration of stock from other businesses sites within 0 2 6 0 MSS management area Depuration of stock from sites outwith MSS management 0 8 0 area Number of sites 2 or 3 > 4 **Biosecurity** Contacts with other Sites operating from single shorebase Sites sharing staff and equipment sites Yes No Disinfection of equipment between sites, use of footbaths etc 0

Total Risk

LOW

Case No:	2019-0418	Date of visit: 08/08/2019						
Site No:	SS0843	Inspector:						
Results Summary	Freq.	Date of Notification						
		Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Insp
Penort Summen								
Report Summary Case Type	Dete	lnen	ond .					
Case Type	Date	Insp	2 <sup>nd</sup> Insp					
REG	21/08/2019							





Suthra Voe Shellfish c/o Blueshell Mussels Ltd Sparl Brae Shetland ZE2 9QJ

# FISH HEALTH INSPECTORATE VISIT REPORT

### SUMMARY FOR INFORMATION OF SITE OPERATOR

 BUSINESS NO
 SB0465
 DATE OF VISIT
 08/08/2019

 SITE NO
 SS0843
 SITE NAME
 Mill Bight

 INSPECTOR
 CASE NO
 20190418

# Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

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

The site was reported to be long-term fallow.

## Records

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

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

Signed:

Fish Health Inspector

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Marine Scotland website at <a href="https://www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter">www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter</a>

Date: 21/08/2019

FHI 059, Version 12		Issued by: FHI	Date of issue: 08/10/2018
Case No: 2019-0419			Date of visit: 06/08/2019
Time spent on site:	) minutes	Main In:	spector:
Site No: SS0579 Business No: SB0382	Site Name: Business Name:	Wadbister Voe Blaaskjell Ltd	
Case Types: 1 ECI 2	2 3	4 5	6
Water Temp (°C): 12.5	Thermometer No:	T274	FHI 045 completed
Observations:	Region: SH	Water type: S	CoGP MA
Dead/weak/abnormally behaving to Clinical signs of disease observed Gross pathology observed? Diagnostic samples taken?	•	N If yes, see additiona	al information/clinical score sheet. al information/clinical score sheet. al information/clinical score sheet.
UNI/REG only - if unable to carry	out intended visit deta	nil reason below:	

# **Additional Case Information:**

Mix of 1 and 2 year old stock on site. Droppers very clean, with very few sea squirts.

FHI 059, Version 12			Issu	ıed by: FHI			Date of issu	ue: 08/10/2018
Case No:	2019-0419	]	Site No:	SS0579	•			
Date of Visit:		06/08/2019	<b>3</b>		Inspector(s):	:		]
Registration/Authornamental 1. Business/site deta 2. Changes made to	ails summary		site representa	ative?			Y Y	}
Site Details								
Total No facilities		12 lines	Facilities sto	cked	6 lines	No facilitie	es inspected	12 lines
Species	MED							
Age group	1 & 2 year							
No Fish	6 lines							
Mean Fish Wt	N/A							
Next Fallow Date (S	ite)	N/A		Next Input Da	ate (Site)	Natural sp	oatfall	
Recent (last 4 wks)	disease probl	ems?		N	Any escapes	s (since last	visit)?	N/A
If yes, detail:	discuse proc.	SINO:			Ally Cocapo.	) (Silloo lact	visity.	INIT
Movement Records	s							
1. Movement record		r inspection?						Y
2. Date of last inspe							31/05/2017	
3. Are records comp		ectly entered	?					Y
4. Are movement re		•		,				N/A
5. Are records comp	lete and corre	ectly entered	?					N/A
6. Are health certific	ates for introd	luctions (outv	vith GB) availa	able?				N/A
Transport Records								
1. Are any movemen		t by (or on be	half) of the bu	usiness (not us	ing a STB)?			
If yes, is there a sys					_			
Mortality Records								
1. Mortality records	available for in	nspection?						Y
2. How are mortalitie		•			Other (detail	1)		
	empty shells							
3. Mortality records			ered?					Y
4. Recent mortality (	•		No observed	d mortality				
5. Evidence of recer	nt increased/a	typical morta						N
If yes, facility nos/no				/reason:				
6. Any other peaks i	n mortality du	ring pariod of	hookod2					N
If yes, detail:	n mortality du	ning period ci	leckeu?					
7. Have increased (	unexplained)	mortalities be	en reported to	o vet or FHI?				N/A
If yes, detail action:								
8. Have 'mortality ev	ents' been re	ported to FHI	? If no, add N	IRT case and e	enter on mort	ality events	sheet.	N/A

1. Has any animal health surveillance been carried out by, or on behalf of, the business?

2. If yes, are results available for inspection?

If yes, detail (if not detailed under recent disease problems).

Records checked between:

3. Any significant results?

31/5/17 - 8/8/19

Date of issue: 08/10/2018 FHI 059, Version 12 Issued by: FHI Case Number: 2019-0419 Site No: SS0579 Date of Visit 06/08/2019 Inspector: Number of Susceptible species on site If no susceptible species present = LOW risk If susceptible species present, score for each pathogen Yes No 25 Susceptible to Bonamia ostrea (OED) 0 0 Susceptible to Marteilia refringens (OED, MED) 0 3 3 Susceptible to OsHV (CGI) 0 3 0 1 2-5 >6 Sites within a tidal excursion Site contacts Number of sites holding susceptible species within a tidal excursion 0 2 10 Live shellfish movements 0 1-2 >3 Frequency of movements on from equivalent MS O 10 Movements on Frequency of movements on from equivalent zone or compartment including third country 0 10 20 n Number of suppliers 0 5 10 0 Movements off Frequency of movements off within MSS Management 0 1 2 2 Frequency of movements off outwith MSS Management 0 6 3 6 Areas 0 Number of destinations Secure Unsecure Management (effluent (no effluent treatment) practices None treatment) Water contacts with Depuration of stock from own sites within MSS depuration facilities management area 0 2 0 Depuration of stock from other businesses sites within 0 2 6 0 MSS management area Depuration of stock from sites outwith MSS management 0 8 0 area Number of sites 2 or 3 > 4 **Biosecurity** Contacts with other Sites operating from single shorebase Sites sharing staff and equipment sites Yes No Disinfection of equipment between sites, use of footbaths etc 0

Total Risk

Case No:	2019-0419	Date of visit: 06/08/2019							
Site No:	SS0579	Inspector:							
Results Summary	Freq.	Date of Notification							
		Database	Insp		Insp	Writing	Insp	2 <sup>nd</sup> Insp	
	<u> </u>								
	<del>                                     </del>								
			<b>-</b>						
Report Summary									
Case Type	Date	Insp	2 <sup>nd</sup> Insp						
ECI	07/10/2019		2 IIISP						
	0171072010								
	1								
	<u> </u>								





Blaaskjell Ltd c/o Blueshell Mussels Ltd Sparl, Brae Shetland ZE2 9QJ

# FISH HEALTH INSPECTORATE VISIT REPORT

### SUMMARY FOR INFORMATION OF SITE OPERATOR

 Business No
 SB0382
 Date of Visit
 06/08/2019

 Site No
 SS0579
 Site Name
 Wadbister Voe

 Inspector
 Case No
 20190419

## 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 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.

No mortality had been observed on site since the last inspection by Marine Scotland.

No animal health surveillance had been carried out on behalf of the business and/or Marine Scotland since the last Marine Scotland Inspection.

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

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



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