Issu	ued by: FHI	Date of issue: 12/05/2020
		Date of visit: 03/08/2023
5 minutes	Main Inspect	or:
Site Name: Business Name:	Scalpay Scalpay Estate	
3	4 5	6
Thermometer No:		FHI 045 completed
Region: HI	Water type: S	CoGP MA:
fish present? d?	If yes, see additional info	rmation/clinical score sheet. rmation/clinical score sheet. rmation/clinical score sheet.
Boat needed to be	e fixed before being used	
	Site Name: Business Name:  Thermometer No: Region: HI fish present?	Site Name: Business Name:  Scalpay Scalpay Estate  Thermometer No:  Region: HI Water type: S  fish present?  If yes, see additional information of the second of the secon

## **Additional Case Information:**

The site is currently being used for a PhD project. This is due to end in September with stock to be moved off the site by the end of the year. No current plans to restock site as it may just be used for seaweed farming.

A physical site inspection could not be done due to issues with the boat. These will be fixed soon and a site inspection can be carried out later in the year.

FHI 059, Version 13			Iss	ued by: FHI			Date of issu	ıe: 12/05/2020
Case No:	2023-0340	)	Site No:	SS0	182			
Date of Visit:		03/08/20	)23		Inspector(s	):		1
Registration/Author	risation De	etails						
1. Business/site deta			y site represent	tative?			Υ	1
2. Changes made to	details?						Υ	]
Site Details (includ	le cleaner f	ish for all se	ections)					
Total No facilities		4	Facilities st	ocked	2	No faciliti	es inspected	0
Species	PMA	AOP						
Age group	2019	2019						
No Fish	1 line	1 line						
Mean Fish Wt	n/a	n/a						
Next Fallow Date (S	ite)	By end of	2023	Next Input	Date (Site)	No currer	•	
Recent (last 4 wks)	disease pro	blems?			N Any escape	es (since las	t visit)?	N/A
4. Are movement re 5. Are records comp 6. Are health certific Transport Records 1. Are any movement fyes, is there a sys	olete and co cates for intr s nts carried o	orrectly entered oductions (or on on one of the original orig	ed? utwith GB) avai behalf) of the b	lable? ousiness (not	· · · · · ·			N/A N/A N/A
Mortality Records								
1. Mortality records		•						N/A
2. How are mortalitie					Other (deta	ıil)		
If other detail:		ells fall to sea						NI/A
<ol> <li>Mortality records</li> <li>Recent mortality</li> </ol>	•	•	entered?					N/A
5. Evidence of recei	` ,		rtalities?					N/A
If yes, facility nos/no		• •		v/reason:				IN/A
ir yes, racility rios/ric	mortality p	er racility/110	Stock per racilit	y/reason.				
<ol><li>6. Any other peaks i If yes, detail:</li></ol>	n mortality	during period	checked?					N/A
7. Have increased (	unexplained	d) mortalities	been reported	to vet or FHI	?			N/A
If yes, detail action:								
8. Have 'mortality ev	ents' been	reported to F	HI? If no, enter	r details on n	nortality events	sheet.		N/A

Treatments and Medicines Records		
1. Recent treatments (see comment)?		
If yes, detail:		
If other, detail:		
2. Medicines records available for inspection?		
3. Are records complete and correctly entered?		
4. Are fish in a withdrawal period?		
5. If yes, what treatment(s)?		
If other, detail:		
6. Are medicines stored appropriately?		
Pioceaurity Pagerda		
Biosecurity Records  1. Biosecurity records available for inspection?	r	
<ol> <li>Biosecurity records available for inspection?</li> <li>Has the manner and frequency of mortality removal, recording</li> </ol>	n and safe disposal been considered?	
3. Has the manner and period in which the APB will notify Scottis	•	
increased (unexplained) mortality at the site been included?	strivimisters or veterinary professional or any	
4. Has the action that will be taken in the event that the presence	e or suspicion of the presence of a listed disease	
is detected been included and how and when that will be notifie	· · · · · · · · · · · · · · · · · · ·	
5. Has the health status of aquaculture animals being stocked or	n the farm site been covered (equal or higher	
health status, certification if required)?	3	
6. Have the husbandry and biosecurity measures implemented by	,	
transmission of disease been covered (movement of staff, visito	rs, equipment, live or dead fish etc.)?	
7. Is documentation available regarding the measures in place to	o maintain the physical containment of	
aquaculture animals held on site?		
8. Have the biosecurity procedures been adequately implemented	ed on site?	
If no, detail:		
Results of Surveillance		
1. Has any animal health surveillance been carried out by, or on	behalf of, the business?	
2. If yes, are results available for inspection?		
3. Any significant results?		
If yes, detail (if not detailed under recent disease problems).		
Records checked between: 25/	/07/2022 - 03/08/2023	

Issued by: FHI Date of issue: 12/05/2020 FHI 059, Version 13 Case Number: 2023-0340 SS0182 Site No: Date of Visit 03/08/2023 Inspector: Number of Susceptible species on site If no susceptible species present = **LOW** risk If susceptible species present, score for each pathogen No Yes Susceptible to Bonamia ostrea (OED) 0 25 0 Susceptible to Marteilia refringens (OED, MED) ი 3 0 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 0 0 1-2 >3 Live shellfish movements 0 5 10 Frequency of movements on from equivalent MS O Movements on Frequency of movements on from equivalent zone or compartment including third country 0 10 20 0 Number of suppliers 0 5 10 0 Movements off Frequency of movements off within MSS Management 0 2 0 Frequency of movements off outwith MSS Management 0 6 n Areas 3 0 3 6 Λ Number of destinations Secure **Unsecure** Management (no effluent (effluent practices None treatment) treatment) Water contacts with Depuration of stock from own sites within MSS depuration facilities management area 0 2 0 1 Depuration of stock from other businesses sites within MSS management area 0 2 6 0 Depuration of stock from sites outwith MSS management 8 0 area 0 4 **Number of sites** 2 or 3 ≥ 4 **Biosecurity** 1 Sites operating from single shorebase 0 Contacts with other Sites sharing staff and equipment sites Yes No

Disinfection of equipment between sites, use of footbaths etc

0

Total Risk 2

0

LOW

Case No:	2023-0340			Date of visit:	03/08/2023			
Site No:	SS0182	]		Inspector:				
Results Summary	Freq.			Da	te of Notifica	tion		
,	·	Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Insp
Papart Summary								
Report Summary	Date	lnon	ond L					
Case Type REG			2 <sup>nd</sup> Insp					
KLG	09/08/2023							



## FISH HEALTH INSPECTORATE VISIT REPORT

## SUMMARY FOR INFORMATION OF SITE OPERATOR

 Business No
 SB0119
 Date of Visit
 03/08/2023

 Site No
 SS0182
 Site Name
 Scalpay

 Case No
 20230340
 Inspector

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

The above site was inspected, in accordance with the Aquatic Animal Health (Scotland) Regulations 2009.

On this occasion the site could not be physically inspected due to boat issues. Once these are resolved, the site will be inspected again later this year before the site fallows.

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 Scottish Government website at Fish Health Inspectorate Service Charter - gov.scot (www.gov.scot)

Date: 09/08/2023

FHI 059, Version 13		Issued by: FHI	Date of issue: 12/05/2020
Case No: 2023-0355			Date of visit: 09/08/2023
Time spent on site: 4	Hours	Main	Inspector:
Site No: FS1274 Business No: FB0125	Site Name: Business Name:	Kishorn West Scottish Sea Farms Lt	rd
Case Types: 1 DIA 2	REP 3	4 5	6
Water Temp (°C): 13.9	Thermometer No:	Site	FHI 045 completed N/A
Observations:	Region: HI	Water type: S	CoGP MA: M-19
Dead/weak/abnormally behaving of Clinical signs of disease observed Gross pathology observed? Diagnostic samples taken?	·	Y If yes, see additio	nal information/clinical score sheet. nal information/clinical score sheet. nal information/clinical score sheet.
UNI/REG only - if unable to carry	out intended visit deta	nil reason below:	

#### **Additional Case Information:**

Site inspected in a calm sea state, sun with little cloud cover which allowed for good clear visibility of the stocks.

From the physical inspection of the site, a large population in each pen was observed shoaling and moving actively. There were approximately a dozen to two dozen lethargic / moribund fish observed in each pen. 5 fish displaying clinical signs of disease were removed for diagnostic sampling. The gills of all 5 fish were very pale and anaemic, indicative of a recent environmental insult, internally the fish appeared healthy, with no clear signs of disease observed.

The site is currently using both wrasse and lumpfish, both species were observed during the inspection with both stocks appearing healthy. No clinical signs of disease were observed across the site in either of the two cleaner fish stocks. Lumpfish are from Bantry (Ireland) and Wrasse are wild caught from Scotland.

In week 26 the site identified a large increase in numbers of micro jelly fish (Obelia) whilst conducting routine plankton checks which resulted in acute gill damage leading to an initial spike in mortality in week 26. The levels of mortality reduced in wk 27 following a reduction in plankton levels that week however mortality began to spike again in week 28 to present as a large population have developed very pale gills (anaemia from blood loss) following the initial insult which is causing on-going higher mortality. Plankton levels are currently low. In recent weeks the site have been conducing targeted harvest to reduce biomass, the site is now planning to fallow by the end of this month as mortality is still elevated and on-going.

Site thermometer used to record water temperature as T309 was faulty.

18/07/2023 - 3/6 fish sampled tested positive for pasturella, 6/6 positive for AGD.

Cleanerfish mortality: Wrasse - Week 28 to Week 31 was 0.41% (60 fish). Cleanerfish mortality: Lumpfish - Week 28 to Week 31 was 0.54% (139 fish)

FHI 059, Version 13	3		Issu	ied by: FHI			Date of issu	ıe: 12/05/2020
Case No:	2023-0355		Site No:	FS1274				
Date of Visit:		09/08/202	23		Inspector(s)	:		
Registration/Author	orisation Deta	nils						
1. Business/site det			site representa	ative?			Υ	7
2. Changes made to	o details?						N	]
Site Details (includ	de cleaner fis	h for all se	ctions)					
Total No facilities		10	Facilities sto	ocked	8	No facilitie	es inspected	10
Species	SAL	LUM	WRS				Ī	
Age group	2023	2023	2023					
No Fish	170,668	33,800	13,200					
Mean Fish Wt	4.4kg	120g	150g					
Next Fallow Date (S		August 20:		Next Input Da	ate (Site)	Decembe	r 2023	•
Recent (last 4 wks)	disease probl	ems?		Y	Any escape	s (since last	visit)?	N
If yes, detail:	See addition	al info						
<ol> <li>Are records com</li> <li>Are movement re</li> <li>Are records com</li> <li>Are health certific</li> </ol> Transport Records <ol> <li>Are any movement</li> <li>yes, is there a system</li> </ol>	ecords availab plete and correcates for introd s ents carried ou	e for dead ectly entere luctions (ou	fish and waste? d? itwith GB) available	able? usiness (not us	-			Y
Mortality Records	11-11-1- 6 1	0						V
Mortality records     How are martaliti					Other (detai	1\		'
<ol><li>How are mortaliti If other detail:</li></ol>					Other (detail	1)		
3. Mortality records	Whole fish -		ntered?					
3. Mortality records	complete and	Correctly e		9,557, 9.4%), V	Veek 30 (18.	883. 7.2%). '	Week 29 (10.	.605. 3.9%)
4. Recent mortality	(last 4 wks):		•	nal info for clea	,		` '	,
5. Evidence of rece	nt increased/a	typical mor	talities?			•		Y
If yes, facility nos/no	o mortality per	facility/no s	stock per facility	//reason:				
Mortality across site	e is evenly spre	ead.						
6. Any other peaks	in mortality du	ring period	checked?					N
If yes, detail:		, 10.0		. =:::::				N1/A
7. Have increased (	•	mortalities b	been reported to	o vet or FHI?				N/A
If yes, detail action:		norted to El	LIO If no anter	dotoilo an mar	tolitu overte e	hoot		
<ol><li>Have 'mortality e'</li></ol>	vents been re	ported to Fi	ni? II no. enter	uetails on mor	iailiv events s	neet.		T T

Treatments and Medicines Records
1. Recent treatments (see comment)?
If yes, detail: Benzocaine
If other, detail: N/a
2. Medicines records available for inspection?
3. Are records complete and correctly entered?
4. Are fish in a withdrawal period?
5. If yes, what treatment(s)?  Benzocaine
If other, detail: N/a
6. Are medicines stored appropriately?
Biosecurity Records
Biosecurity records available for inspection?
2. Has the manner and frequency of mortality removal, recording and safe disposal been considered?
3. Has the manner and period in which the APB will notify Scottish Ministers or veterinary professional of any
increased (unexplained) mortality at the site been included?
4. Has the action that will be taken in the event that the presence or suspicion of the presence of a listed disease
is detected been included and how and when that will be notified to Scottish Ministers?
5. Has the health status of aquaculture animals being stocked on the farm site been covered (equal or higher
health status, certification if required)?
6. Have the husbandry and biosecurity measures implemented between each epidemiological unit to minimise
transmission of disease been covered (movement of staff, visitors, equipment, live or dead fish etc.)?
7. Is documentation available regarding the measures in place to maintain the physical containment of
aquaculture animals held on site?
8. Have the biosecurity procedures been adequately implemented on site?
If no, detail:
Results of Surveillance
1. Has any animal health surveillance been carried out by, or on behalf of, the business?
2. If yes, are results available for inspection?
3. Any significant results?
If yes, detail (if not detailed under recent disease problems).  See additional info
Records checked between: 17/07/23 - 09/08/23

П	ai 059, version 15							155	ueu by. Fni				
	Case no:	2023-03	355	Site No:		FS1274			Date of visit Sampling:	/	09/08	8/2023	09/0
	Priority samples:	VI		ВА		PA		MG	Sampling.	ні			
	Time sampling starts/ends:		5:00		5:00		Inspecto	or:			VMD No.		0
	Environmental conditions:	1	Dry	2	Sunny	3		4		5	ш		
	Summary samples	HIST	Υ	ВА	Y	MG	Y	VI		РΑ	Т	Total Sai	mples
A	dd Fish/Pools - click												
	Pool/Fish No	F1	F2	F3	F4	F5							
	Fish nos	1	2	3	4	5							
	Pool Group												
	Species	SAL	SAL	SAL	SAL	SAL							
	Average weight	4.4kg	4.4kg	4.4kg		4.4kg							
	Sex	N/A	N/A	N/A		N/A							
	Water Type	SW	SW	SW	SW	SW							
ω.		<b>=</b>		_	_	_							
tail		sku	Skr	sku	skı	skı							
Details		fufi	fufi	fnfi	fnfi	fnfi							
놙	Stock Origin	Stofnfiskur	Stofnfiskur	Stofnfiskur	Stofnfiskur	Stofnfiskur							
Stock	Facility No	6	2		1	1							
										_			

1111 000, 101	0.0 10						100	aca by.		
08/2023 Addi		ple Infor	mation:							
5	Total T	ests ass	igned	3						
										1 1
										1
										1
										1

FHI 059, Version 13 Issued by: FHI Date of issue: 12/05/2020 Method of killing: Case no: 2023-0355 Site No: FS1274 Inspector(s): Sheet Relevant: Y Date of visit: 09/08/2023 S for strong presence: M for medium presence: W for weak presence Fish Number Time sampled after death (if > 45 minutes) 45 External Signs M M M M Behaviour Moribund S S S 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 W W Zoned Necrotic M W Lesions Flank **Elsewhere** Vent Inflamed Trailing faeces Lice Load Estimate numbers Internal Signs Clear М **Ascites** Bloody Oedema In tissues Heart Pale/anaemic Granulomas Deformed Liver Petechial haem Gross haem Tissue breakdown Enlarged 3 Colour number(s) Granulomas Lesions Pyloric caeca Petechial haem **Tubules mauve** Lack of fat Spleen Enlarged

Granulomas

No food present Yellow pseudo-faeces External haem Internal haem

Haemorrhaging Haemorrhaging

Fluid filled

Swollen
Grey
Granular
Liquefied
Parasites present

**Anaemia** 

Gut

Body wall

Kidney

General

Swim bladder

Case no: 2023-0355

Date of visit: 09/08/2023

Date of visit:	09/08/2023	J					
S for strong procon	ce: <b>M</b> for medium presence: <b>W</b> for v						
Fish Number	ce. W for medium presence. W for t	1				I	
	er death (if > 45 minutes)						
External Signs	er death (ii > 45 minutes)						
Behaviour Separate	Moribund						
20110111001	Lethargic						
	Hanging vertical						
	Spiralling						
	Flashing						
	Loss of equilibrium						
Body	Dark						
	Distended abdomen						
	Anorexic						
	Scale Oedema						
Opercula	Shortened						
Usamarrhaging	Flared						
Haemorrhaging	Throat Ventrum						
	Base of fins						
	Elsewhere						
Eyes	Exophthalmic						
,	Enophthalmic (sunken)						
	Cataract						
	Haemorrhagic						
Gills	Pale						
	Zoned						
	Necrotic						
Lesions	Flank						
	Elsewhere						
Vent	Inflamed						
line Lend	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						
i yidiic caeca	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						
12: 1	Fluid filled						
Kidney	Swollen						
	Grey						
	Granular Liquefied						
General	Parasites present						
General	Anaemia						
	Aliacillia						

FHI 059, Version 13	Issued by: FHI	Date of issue: 12/05/202
Additional comments:		
		1
		l
		l
		<b>I</b>
		<b>I</b>
		1

Site No: FS1274

Case No: 2023-0355

Nature of non-compliance:

Action taken (FHI):

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

Case No:	2023-0355			Date of visit:	09/08/2023			
Site No:	FS1274			Inspector:		ı		
Results Summary	Freq.			Da	te of Notifica	tion		
,	·	Database	Insp		Insp	Writing	Insp	2 <sup>nd</sup> Insp
AGDQ	4/5	16/08/2023		16/08/2023	-			
IHNP	0/5	16/08/2023		16/08/2023				
IPNM	0/5	16/08/2023		16/08/2023				
PNST	4/5	16/08/2023		16/08/2023				
PMVP	0/5	16/08/2023		16/08/2023				
SPVP	3/5	16/08/2023		16/08/2023				
SALP	0/5	16/08/2023		16/08/2023				
VHSP	0/5	16/08/2023		16/08/2023				
Gill pathology - GPAT	4/5	30/08/2023		30/08/2023				
Amoebic gill disease	3/5	30/08/2023		30/08/2023				
(histology) - AMGD								
Complex gill issues (histology) - CGDH	4/5	30/08/2023		30/08/2023				
Liver pathology - LPAT	5/5	30/08/2023		30/08/2023				
Heart pathology - HPAT	5/5	30/08/2023		30/08/2023				
Postmortem changes -	5/5	30/08/2023		30/08/2023				
PMCH								
Vibrio species (culture) - VSPE	2/5	30/08/2023		30/08/2023				
*emailed								
Report Summary								
Case Type	Date	Insp	2 <sup>nd</sup> Insp					
DIA	22/09/2023		2 11100					



## FISH HEALTH INSPECTORATE VISIT REPORT

## SUMMARY FOR INFORMATION OF SITE OPERATOR

 Business No
 FB0125
 Date of Visit
 09/08/2023

 Site No
 FS1274
 Site Name
 Kishorn West

 Case No
 20230355
 Inspector

## **Section 1: Summary**

The above site was inspected following reports of increased mortality by the farm operator. During the physical inspection of the site, five fish were removed for diagnostic sampling.

Histopathological examination revealed features consistent with mild, multifocal, hyperplasic branchitis, amoebic gill diseases confirmed by qPCR and vascular disturbances potentially associated with environmental factors/insults. Hepatocellular necrosis and minor myocarditis were also observed.

*Vibrio* sp. was identified on plates taken from kidney material of F1, F4 and F5. The level and purity of growth would not suggest this bacterium would be implicated as a primary cause of morbidity.

Four fish tested positive for *Neoparamoeba perurans* and *Paranucleospora theridion* by qPCR. Three fish tested positive for salmon gill poxvirus (SGPV).

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

The site was inspected following reports of prolonged increased mortality by the farm operator. At the time of visit the site was stocked with 170,668 Atlantic salmon at an average weight of 4.4kg.

A large increase in numbers of micro jelly fish (*Obelia* sp.) were identified during routine site plankton trawls in week 26 and again in week 28, over time the stock on site developed anaemia from blood loss as a result of these bloom events. At the time of inspection, plankton levels had dropped back within a normal range however mortality was still ongoing.

From the physical inspection of the site there were one to two dozen fish observed as lethargic and moribund in each pen. Five fish were removed for diagnostic sampling from pens 1, 2 and 6.

All fish sampled presented lethargic and moribund prior to removal for sampling. The gills of all 5 fish were very pale, with the gills of F2 and F3 appearing slightly zoned and necrotic. Internally, all fish sampled had clear ascites within the body cavities. The liver of F1, F2 and F4 was slightly pale and F2 had a small lesion to the liver. Yellow pseudo-faeces were present within the hind gut of each fish.

## Samples

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

Fish number	Facility number	Species	Stage	Origin	
F1	6	Atlantic salmon	2022 4.4 Kg	Stofnfiskur	
F2	2	Atlantic salmon	2022 4.4 Kg	Stofnfiskur	
F3	2	Atlantic salmon	2022 4.4 Kg	Stofnfiskur	
F4	1	Atlantic salmon	2022 4.4 Kg	Stofnfiskur	
F5	1	Atlantic salmon	2022 4.4 Kg	Stofnfiskur	

## Results

**Bacteriology:** Kidney and gill material from F1 – F5 was inoculated onto appropriate media for the isolation of bacteria.

The following bacteria were isolated:

• Vibrio sp.: F1, F4 and F5 (Kidney).

The level and purity of this isolate would not suggest that it would be implicated as a primary cause of morbidity.

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

Salmon gill poxvirus

Fish Number	Endogenous control Cp value		Reported Result (PCR)		
F1	-	-	-	-	Negative
F2	-	-	-	-	Negative
F3	19.10	33.47	32.87	32.71	POSITIVE
F4	19.43	35.27	36.85	35.34	POSITIVE
F5	19.60	31.95	32.28	32.51	POSITIVE

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

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

Neoparamoeba perurans (AGD)

Fish Number	Endogenous control Cp value		Reported Result (PCR)		
F1	-	-	-	-	Negative
F2	19.99	28.77	28.93	29.00	POSITIVE
F3	19.10	31.40	31.07	31.13	POSITIVE
F4	19.43	32.38	32.18	32.81	POSITIVE
F5	19.60	29.17	29.12	29.12	POSITIVE

Paranucleospora theridion

Fish Number	Endogenous control Cp value	Cp Values			Reported Result (PCR)
F1	20.37	35.32	34.94	35.38	POSITIVE
F2	-	-	-	-	Negative
F3	19.10	34.18	34.47	34.39	POSITIVE
F4	19.43	36.78	34.11	34.07	POSITIVE
F5	19.60	31.04	30.53	30.58	POSITIVE

**Histology:** Tissue samples of gill, skin and skeletal muscle, heart, pyloric caeca, pancreas, hind gut, liver, spleen and kidney were taken from F1 – F5. The tissue samples were fixed in 10% neutral buffered formalin.

Histopathological examination revealed the following:

**Gill:** Lamellar hyperplasic branchitis, mild, multifocal (F2-F5), lamellar vascular disturbances (F2-F5). Presence of few amoeboid cells resembling *Neoparamoeba perurans* observed in F2, F5. F4 displayed between gill filaments plankton-like structure. Some aneurysmal dilation/telangiectasia and lamellar congestion and some vascular disturbances observed in all fish. F1 reading hindered by sampling artefacts.

Skin & Muscle: Within normal range.

**Heart:** Mild, multifocal, myocarditis (F1, F3) and minor necrosis (F5). Some thrombi nests in ventricular chamber. Minor pericarditis (F1, F4).

**Gut and pyloric caeca:** Marked cell sloughing potentially associated with post-mortem artefact observed in all fish. F2 reading hindered by sampling artefacts.

**Liver:** Hepatocellular necrosis, mild, multifocal (F1-F4) to coalescence F5, small foci of sinusoidal congestion (F1), cuffing (F1), hepatocellular vacuolation (macrovesicles), mild, diffuse (F2 & F3).

**Kidney:** Within the normal range.

Spleen: Within the normal range.

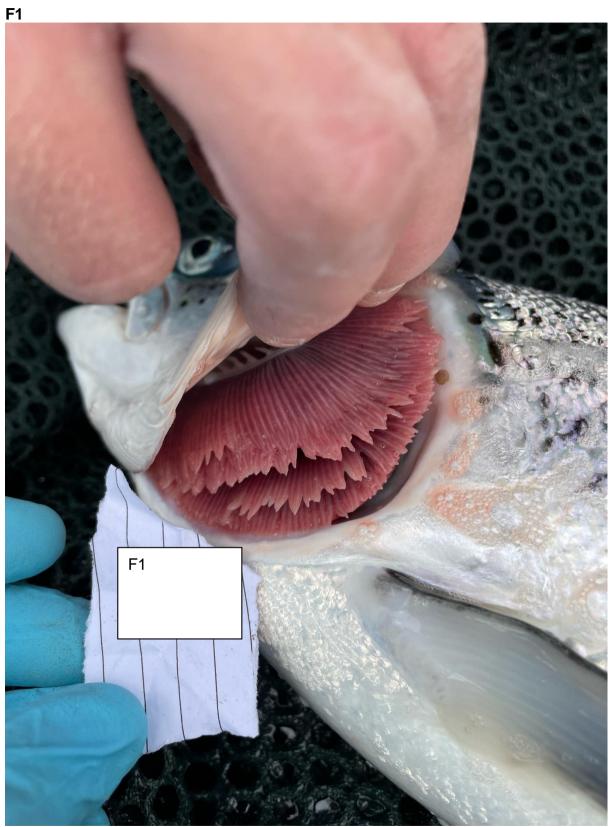
Signed: Date: 22/09/2023

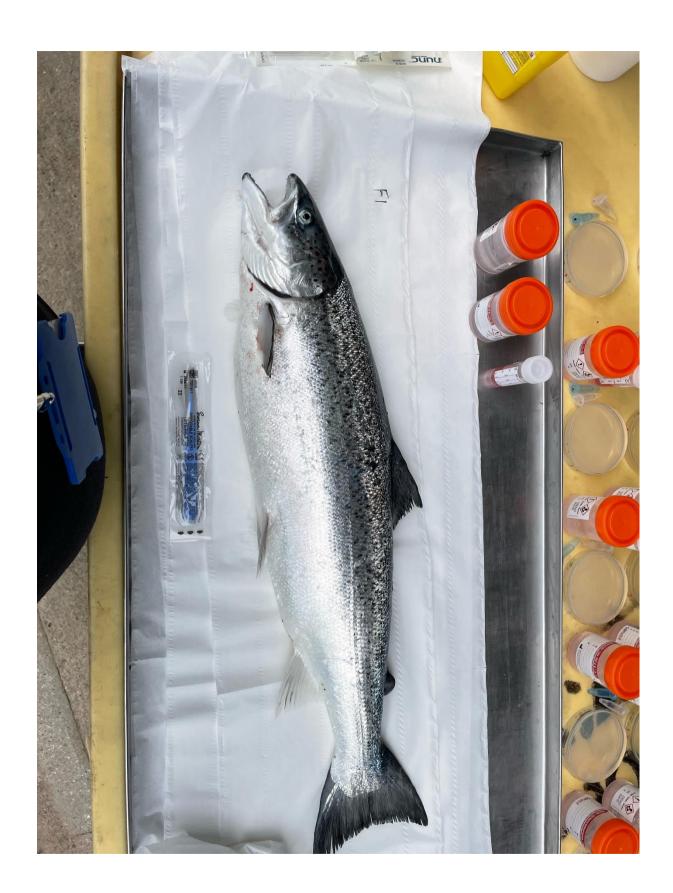
Fish Health Inspector

R09

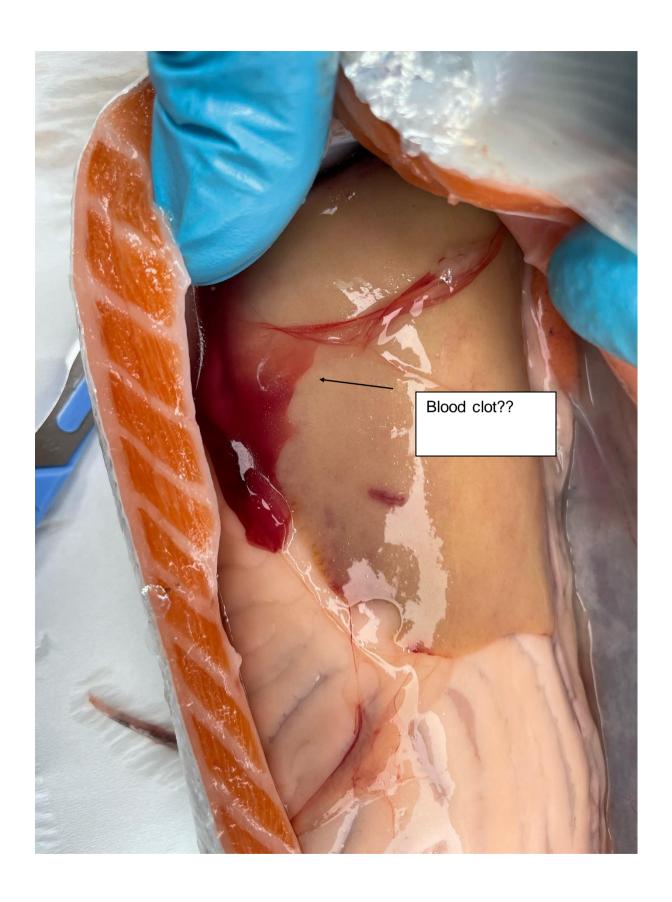
The Fish Health Inspectorate Service Charter detailing standards of service is available on the Scottish Government website at Fish Health Inspectorate Service Charter - gov.scot (www.gov.scot)

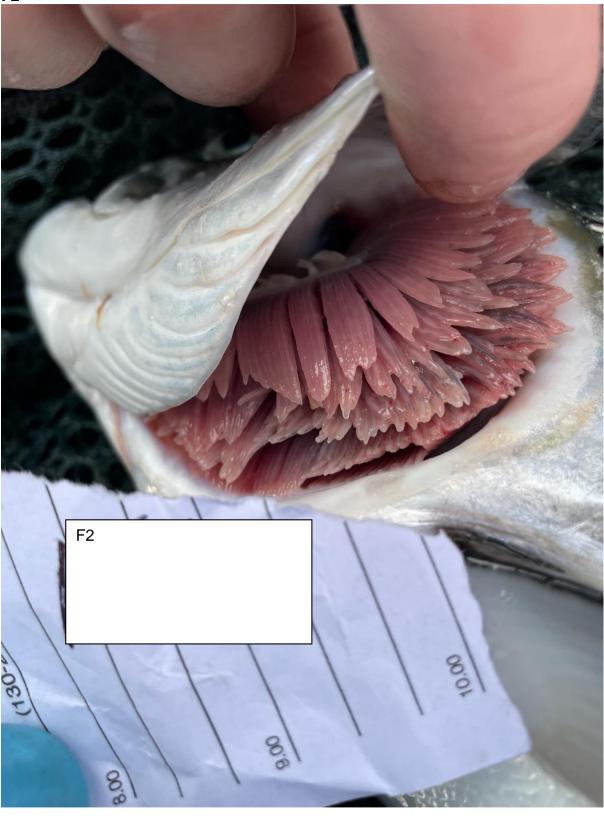
# Kishorn West (FS1274) AFH-2023-0355 09/08/2023

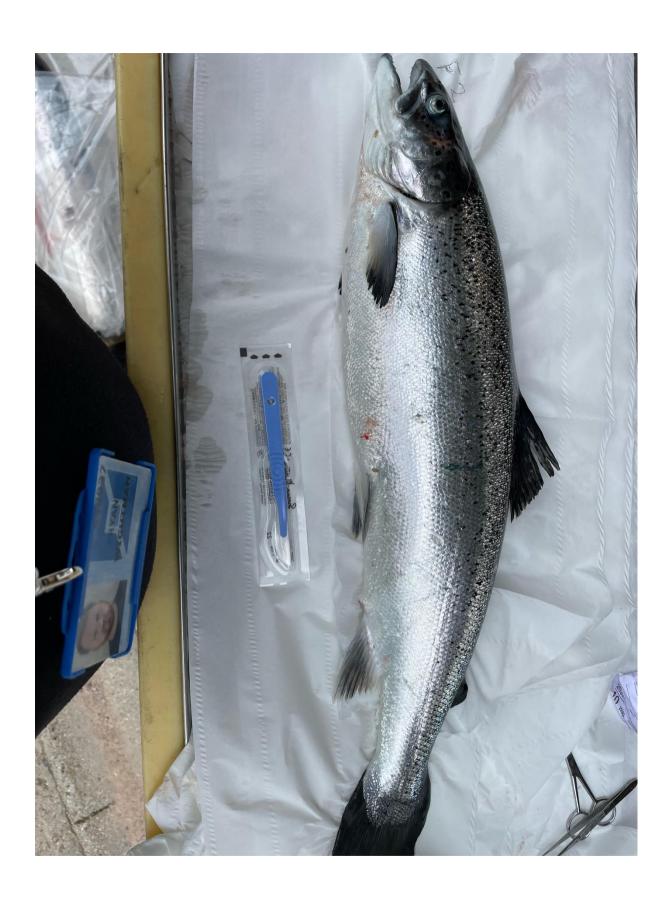




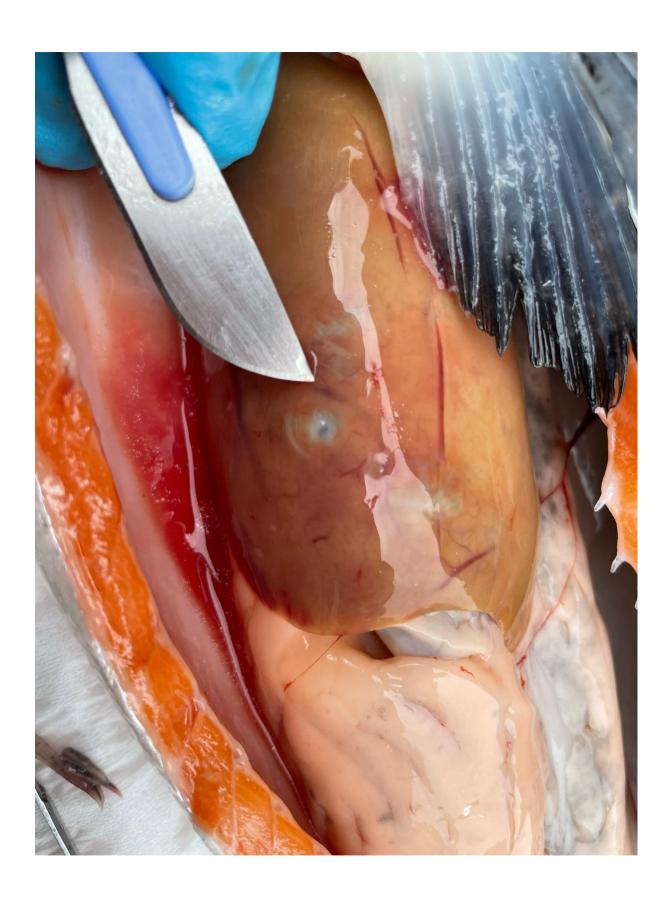




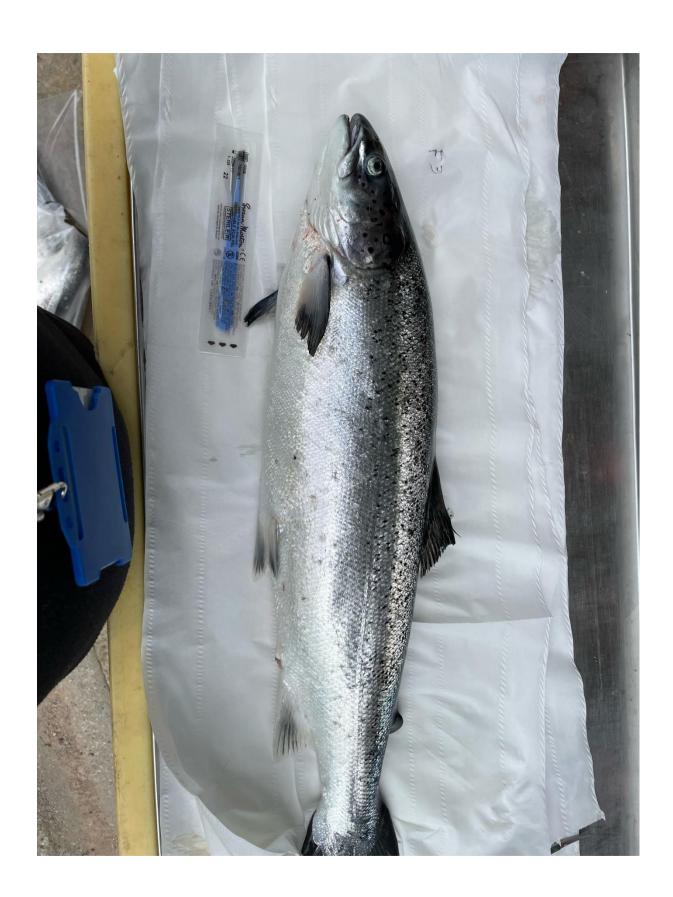








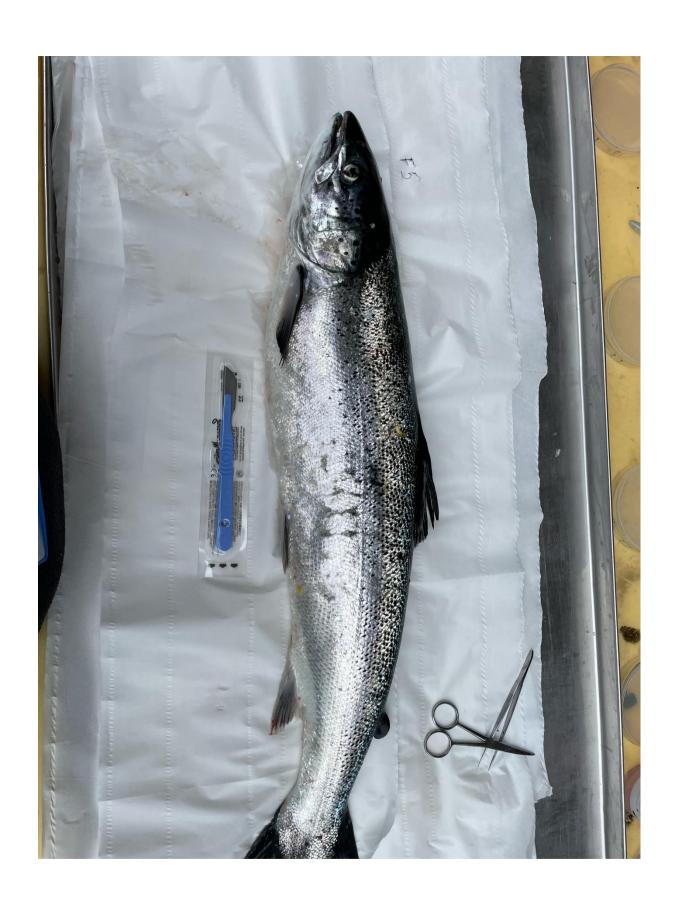


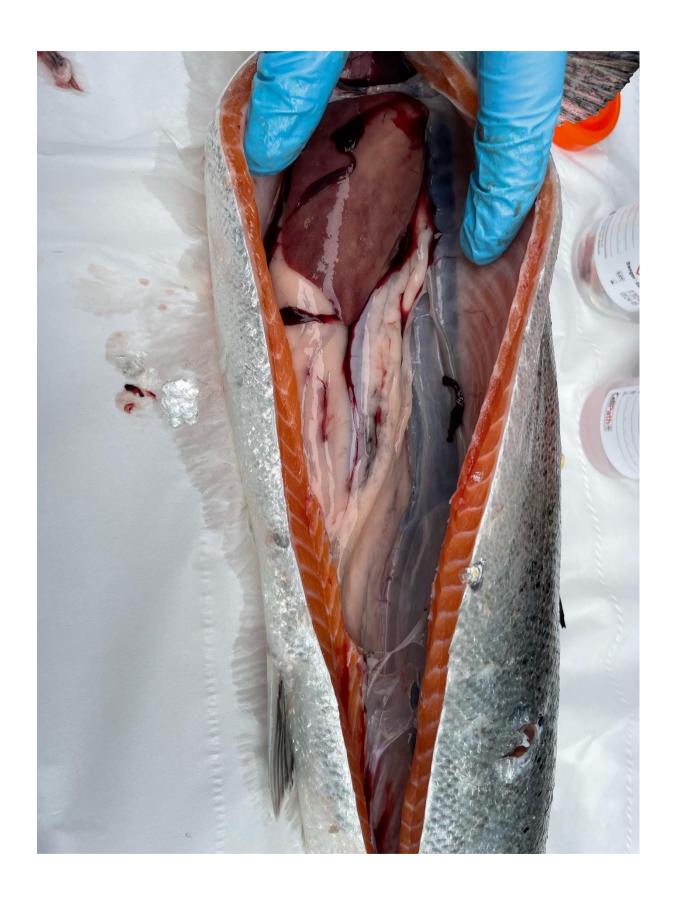












FHI 059, Version 13		Issued by: FHI	Date of issue: 12/05/2020
Case No: 2023-0356			Date of visit: 09/08/2023
Time spent on site:	Hours	Main	Inspector:
Site No: FS0804 Business No: FB0125	Site Name: Business Name:	Kishorn B (North) Scottish Sea Farms Li	td
Case Types: 1 DIA	2 REP 3	4 5	6
Water Temp (°C): 14.1	Thermometer No:	Site	FHI 045 completed N/A
Observations:	Region: HI	Water type: S	CoGP MA: M-19
Dead/weak/abnormally behaving Clinical signs of disease observed Gross pathology observed? Diagnostic samples taken?	•	Y If yes, see addition	onal information/clinical score sheet. onal information/clinical score sheet. onal information/clinical score sheet.
UNI/REG only - if unable to carry	out intended visit deta		
		N/a	

#### **Additional Case Information:**

In week 26 the site identified a large increase in numbers of micro jelly fish (Obelia) whilst conducting routine plankton checks which resulted in acute gill damage leading to an initial spike in mortality in week 26. The levels of mortality reduced in wk 27 following a reduction in plankton levels that week however mortality began to spike again in week 28 to present as a large population have developed very pale gills (anaemia from blood loss) following the initial insult which is causing on-going higher mortality. Plankton levels are currently low. The site are currently undergoing targeted harvests to reduce biomass.

Site inspected in a calm sea state, sun and little cloud cover which allowed for good visibility of the stock. From the physical inspection of the site, the visible population of SAL appeared lethargic and slow moving in all pens. Some weaker, moribund fish were observed resting against the net walls with strong operculum movement observed. Pens 2 and 5 appeared to be in the poorest condition in relation to fish health, 2 fish from each pen was removed for diagnostic sampling. One fish in cage 8 was observed hanging vertailly which was also removed for sampling.

Only 6 pens remained stocked at Kishorn North, the site has been moved up in order of priority on the companies harvest plan and is now planned to fallow by the 18th August.

Site thermometer was used to record the water temperature as T309 was faulty.

Site is positive for AGD, last health check conducted in week 30.

Cleanerfish mortality: Week 31 - Week 28: Wrasse: 2.33% 330 fish. Lumpfish Week 31 - 28: 1.7% 619 fish.

FHI 059, Version 13			lss	sued by: FHI		Date of issue	e: 12/05/2020	
Case No:	2023-0356	5	Site No:	FS0804				
Date of Visit:		09/08/20	)23		Inspector(s)			
Registration/Author	orisation De	etails						
1. Business/site det			v site represer	ntative?		Ī	Υ	
2. Changes made t		y 011001100 I	y cho represent	nat			Y	
, and the second se						•		
Site Details (include	de cleaner f							
Total No facilities		10	Facilities s	tocked	6	No facilities	inspected	10
Species	SAL	LUMP	WRS					
Age group	2022	2023	2023					
No Fish	199,932	27,800	12,000					
Mean Fish Wt	4.65kg	120g	150g					
Next Fallow Date (S	Site)	August 20	)23	Next Input Dat	• •	December 2		
Recent (last 4 wks)	disease pro	blems?		Y	Any escapes	s (since last vi	isit)?	N
If yes, detail:	CGD							
<ul><li>5. Are records com</li><li>6. Are health certified</li><li>Transport Record</li><li>1. Are any movement</li><li>If yes, is there a system</li><li>Mortality Records</li></ul>	cates for intro s ents carried of stem in place	oductions (or	utwith GB) ava	business (not usi				Y
Mortality records		r inspection?						Y
2. How are mortaliti		•			Other (detail	)		
If other detail:		- Billy Bowie	خ			-,		
3. Mortality records								Y
,	·			5,883, 8.6%), Wee	ek 29 (27.463	3. 8%). Week	28 (10,101,	2.7%). See
4. Recent mortality	(last 4 wks):		,	info for cleanerfis	•	, ,,		, ,
5. Evidence of rece	nt increased	l/atypical mor						Y
If yes, facility nos/ne	o mortality p	er facility/no	stock per facili	ity/reason:				
Mortality is evenly s								
6. Any other peaks	in mortality	during period	checked?					N
If yes, detail:								
7. Have increased (	•	i) mortalities	been reported	to vet or FHI?				N/A
If yes, detail action:								
8. Have 'mortality e	vents' been	reported to F	HI? If no, ente	er details on morta	ality events s	heet.		Y

Torotoroute on I.M. Police Boson Is	
Treatments and Medicines Records	V
1. Recent treatments (see comment)?	1
If yes, detail:  Benzocaine	
If other, detail: N/a  2. Medicines records available for inspection?	$\vee$
·	1 V
3. Are records complete and correctly entered?	ĭ
4. Are fish in a withdrawal period?	Y
5. If yes, what treatment(s)?  Benzocaine	
If other, detail: N/a	V
6. Are medicines stored appropriately?	Y
Biosecurity Records	
Biosecurity records available for inspection?	
2. Has the manner and frequency of mortality removal, recording and safe disposal been considered?	
3. Has the manner and period in which the APB will notify Scottish Ministers or veterinary professional of any	
increased (unexplained) mortality at the site been included?	
4. Has the action that will be taken in the event that the presence or suspicion of the presence of a listed disease	
is detected been included and <i>how</i> and <i>when</i> that will be notified to Scottish Ministers?	
5. Has the health status of aquaculture animals being stocked on the farm site been covered (equal or higher	
health status, certification if required)?	
6. Have the husbandry and biosecurity measures implemented between each epidemiological unit to minimise	
transmission of disease been covered (movement of staff, visitors, equipment, live or dead fish etc.)?	
7. Is documentation available regarding the measures in place to maintain the physical containment of	
aquaculture animals held on site?	
8. Have the biosecurity procedures been adequately implemented on site?	
If no, detail:	
Results of Surveillance	
1. Has any animal health surveillance been carried out by, or on behalf of, the business?	Y
2. If yes, are results available for inspection?	Y
3. Any significant results?	Y
If yes, detail (if not detailed under recent disease problems).	
See additional info	
Records checked between: 17/07/23 - 09/08/2023	

П	ai 059, version 15							155	ueu by. rni				
	Case no:	2023-03	356	Site No:		FS0804			Date of visit	t/	09/0	8/2023	09/0
	Priority samples:	VI		ВА		PA		MG	Sampling.	ні			
	Time sampling starts/ends:		80:00		5:00		Inspecto	or:			VMD No.	. [	0
	Environmental conditions:	1	Dry	2	Sunny	3		4		5			
	Summary samples	HIST	Y	ВА	Y	MG	Y	VI		РΑ		Total Sa	mples
A	dd Fish/Pools - click												
	Pool/Fish No	F1	F2	F3	F4	F5							
	Fish nos	1	2	3	4	5							
	Pool Group												
	Species	SAL	SAL	SAL	SAL	SAL							
	Average weight	4.6kg	4.6kg	2.5kg	7kg	4.6kg							
	Sex	N/A	N/A	N/A	N/A	N/A							
	Water Type	SW	SW	SW	SW	SW							
		_		_									
Details		Š	<u>\$</u>	ķ.	en	en							
eta		ıfis	lfis	ıfis	Ğ	JG6							
X L		Stofnfiskur	Stofnfiskur	Stofnfiskur	AquaGen	AquaGen							
Stock	Stock Origin												
S	Facility No	5	5	8	2	2							

1111 000, 101	0.0 10						100	aca by.		
08/2023 Addi		ple Infor	mation:							
5	Total T	ests ass	igned	3						
										1 1
										1
										1
										1

FHI 059, Version 13 Issued by: FHI Date of issue: 12/05/2020 Method of killing: Case no: 2023-0356 FS0804 Site No: Inspector(s): Sheet Relevant: Y Date of visit: 09/08/2023 S for strong presence: M for medium presence: W for weak presence F3 F4 Fish Number Time sampled after death (if > 45 minutes) 15 External Signs Behaviour Moribund S S S Lethargic Hanging vertical S Spiralling Flashing Loss of equilibrium Body Dark Distended abdomen М Anorexic Scale Oedema W W Opercula Shortened Flared Haemorrhaging **Throat** W Ventrum Base of fins Elsewhere Eyes Exophthalmic **Enophthalmic (sunken)** Cataract Haemorrhagic М Gills Pale Zoned Necrotic Lesions Flank **Elsewhere** Vent Inflamed Trailing faeces 12 19 21 Lice Load Estimate numbers 17 Internal Signs Clear **Ascites** M М W Bloody Oedema In tissues Heart Pale/anaemic Granulomas Deformed Liver Petechial haem Gross haem Tissue breakdown Enlarged 3 Colour number(s) Granulomas Lesions Pyloric caeca Petechial haem **Tubules mauve** Lack of fat

M

W

Spleen

Body wall

Kidney

General

Swim bladder

Gut

Enlarged Granulomas

No food present Yellow pseudo-faeces External haem Internal haem

Haemorrhaging Haemorrhaging

Fluid filled

Swollen
Grey
Granular
Liquefied
Parasites present

**Anaemia** 

Case no: 2023-0356

Date of visit: 09/08/2023

Date of visit:	09/08/2023					
0 (						
	ce: M for medium presence: W for v				1	
Fish Number	an death (if . AF minutes)					
External Signs	er death (if > 45 minutes)					
Behaviour	Moribund					
Dellavioui	Lethargic					
	Hanging vertical					
	Spiralling					
	Flashing					
	Loss of equilibrium					
Body	Dark					
	Distended abdomen					
	Anorexic					
	Scale Oedema					
Opercula	Shortened					
Llaamarrhaging	Flared					
Haemorrhaging	Throat Ventrum					
	Base of fins					
	Elsewhere					
Eyes	Exophthalmic					
	Enophthalmic (sunken)					
	Cataract					
	Haemorrhagic					
Gills	Pale					
	Zoned					
	Necrotic					
Lesions	Flank					
Vant	Elsewhere Inflamed					
Vent	Trailing faeces					
Lice Load	Estimate numbers					
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					
0	Granulomas					
Gut	No food present					
	Yellow pseudo-faeces External haem					
	Internal haem					
Body wall	Haemorrhaging					
Swim bladder	Haemorrhaging					
Didddoi	Fluid filled					
Kidney	Swollen					
	Grey					
	Granular					
	Liquefied					
General	Parasites present					
	Anaemia					

HI 059, Version 13	Issued by: FHI	Date of issue: 12/05/20
dditional comments:		

Site No: FS0804

Case No: 2023-0356

Nature of non-compliance:

Action taken (FHI):

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

Case No: 2023-0356 Date of visit: 09/08/2023 Site No: FS0804 Inspector: **Results Summary** Date of Notification Freq. Writing Database Insp Phone Insp Insp 2<sup>nd</sup> Insp 16/08/2023 16/08/2023 **AGDQ** 5/5 **PNST** 5/5 16/08/2023 16/08/2023 **IHNP** 0/5 16/08/2023 16/08/2023 **IPNM** 0/5 16/08/2023 16/08/2023 **ISAG** 0/5 16/08/2023 16/08/2023 **PMVP** 2/5 16/08/2023 16/08/2023 SPVP 4/5 16/08/2023 16/08/2023 0/5 SALP 16/08/2023 16/08/2023 VHSP 0/5 16/08/2023 16/08/2023 30/03/2023 Vibrio species (culture) 5/5 30/08/2023 **VSPE** Amoebic gill disease 1/5 30/08/2023 30/03/2023 (histology) - AMGD Complex gill issues 30/08/2023 30/03/2023 4/5 (histology) - CGDH Epitheliocystis - EPIT 1/5 30/08/2023 30/03/2023 4/5 Gill pathology - GPAT 30/08/2023 30/03/2023 Heart pathology -5/5 30/08/2023 30/03/2023 **HPAT** Liver pathology - LPAT 5/5 30/08/2023 30/03/2023 Cardiomyopathy 1/5 30/08/2023 30/03/2023 syndrome (histology) -**CMPS** 30/03/2023 30/08/2023 Spleen pathology -2/4 **SPAT** Postmortem changes -30/08/2023 30/03/2023 **PMCH** \*emailed Report Summary Case Type Date Insp 2<sup>nd</sup> Insp DIA 22/09/2023



## FISH HEALTH INSPECTORATE VISIT REPORT

## SUMMARY FOR INFORMATION OF SITE OPERATOR

 Business No
 FB0125
 Date of Visit
 09/08/2023

 Site No
 FS0804
 Site Name
 Kishorn B (North)

 Case No
 20230356
 Inspector

**Section 1: Summary** 

The above site was inspected following reports of increased mortality by the farm operator. During the physical inspection of the site, five fish were removed for diagnostic sampling.

Histopathological examination revealed features consistent with mild, multifocal, hyperplasic bronchitis, amoebic gill disease confirmed by qPCR. The presence of some epitheliocystis. Hepatocellular necrosis and necrotising splenitis was also observed. Mild myocarditis observed could be associated with the presence of piscine myocarditis virus (PMCV) confirmed by qPCR.

*Vibrio* sp. was identified on plates taken from kidney material of F4 and F5 and from plates taken from gill material of all 5 fish. A second *Vibrio* sp. was identified on plates taken from kidney material of F4 and F5. The level and purity of growth observed would not suggest these bacteria would be implicated in morbidity.

Five fish tested positive for *Neoparamoeba perurans* and *Paranucleospora theridion* by qPCR, four fish tested positive for salmon gill poxvirus (SGPV) and two fish tested positive for PMCV.

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

The site was inspected following reports of prolonged increased mortality by the farm operator. At the time of visit the site was stocked with 199,932 Atlantic salmon at an average weight of 4.65kg.

A large increase in numbers of micro jelly fish (*Obelia* sp.) were identified during routine site plankton trawls in week 26 and again in week 28, over time the stock on site developed anaemia from blood loss as a result of these bloom events. At the time of inspection plankton levels had dropped back within a normal range, however mortality was still ongoing.

From the physical inspection of the site, the visible population of Atlantic salmon appeared lethargic and slow moving in all pens. Some weaker, moribund fish were observed resting against the net walls with strong operculum movement observed. Fish in pens 2 and 5 appeared to be in the poorest condition in relation to fish health, two fish from each pen were removed for diagnostic sampling. One fish in cage 8 was observed hanging vertically which was also removed for sampling.

All fish sampled presented lethargic and moribund prior to removal for sampling. Externally all five fish had between 10 – 20 lice present of all stages. F4 and F5 had shortened opercula and F4 also presented anorexic and was dark to the body. The gills of all five fish were very pale.

Internally, F1, F2 and F3 had clear and bloody asities present within the body cavity. F4 had an enlarged spleen, and some petechial haemorrhaging was observed on the liver. No food was present in the gut of all five fish sampled.

### Samples

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

Fish number	Facility number	Species	Stage	Origin
F1	5	Atlantic salmon	2022	Stofnfiskur
F2	5	Atlantic salmon	2022	Stofnfiskur
F3	8	Atlantic salmon	2022	Stofnfiskur
F4	2	Atlantic salmon	2022	AquaGen
F5	2	Atlantic salmon	2022	AquaGen

## Results

**Bacteriology:** Kidney and gill material from F1 – F5 was inoculated onto appropriate media for the isolation of bacteria.

The following bacteria were isolated:

Vibrio spp.: F4 and F5 (Kidney), F1 – F5 (Gill).

The level and purity of this isolate would not suggest that it would be implicated as a primary cause of morbidity.

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

Salmon gill poxvirus

Fish Number	Endogenous control Cp value		Reported Result (PCR)		
F1	21.45	29.29	29.39	29.46	POSITIVE
F2	21.30	34.17	35.34	35.04	POSITIVE
F3	21.22	31.98	32.07	31.93	POSITIVE
F4	-	-	-	-	Negative
F5	21.37	27.01	27.01	27.03	POSITIVE

Piscine myocarditis virus (PMCV)

Fish Number	Endogenous control Cp value		Reported Result (PCR)		
F1	-	-	-	-	Negative
F2	-	-	-	-	Negative
F3	-	-	-	-	Negative
F4	17.46	20.71	20.72	20.96	POSITIVE
F5	16.87	24.61	24.74	24.76	POSITIVE

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

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

Neoparamoeba perurans (AGD)

Fish Number	Endogenous control Cp value		Reported Result (PCR)		
F1	21.45	30.77	30.67	30.76	POSITIVE
F2	21.30	28.80	28.79	28.83	POSITIVE
F3	21.22	28.45	28.55	28.54	POSITIVE
F4	21.72	32.62	32.35	31.90	POSITIVE
F5	21.37	31.00	30.97	30.90	POSITIVE

Paranucleospora theridion

Fish Number	Endogenous control Cp value		Reported Result (PCR)		
F1	20.05	32.86	32.95	33.12	POSITIVE
F2	20.13	35.55	35.57	35.57	POSITIVE
F3	19.90	31.52	31.86	31.84	POSITIVE
F4	20.05	33.30	33.80	33.61	POSITIVE
F5	19.53	32.28	32.29	32.88	POSITIVE

**Histology:** Tissue samples of gill, skin and skeletal muscle, heart, pyloric caeca, pancreas, hind gut, liver, spleen and kidney were taken from F1 – F5. The tissue samples were fixed in 10% neutral buffered formalin.

Histopathological examination revealed the following:

**Gill:** Lamellar hyperplasic branchitis, mild to moderate, multifocal (F2-F4), lamellar vascular disturbances (F2-F4). Presence of few amoeboid cells resembling *Neoparamoeba perurans* observed in F3 and few basophilic epithelial inclusions (likely epitheliocystis) F1. Some aneurysmal dilation/telangiectasia and free blood among gill filaments (F2). F5 reading hindered by sampling artefacts.

Skin & Muscle: Within normal range.

**Heart:** Mild, multifocal, myocarditis (F4). Some thrombi nests in ventricular chamber (F3). Minor pericarditis (F1, F2, F5). F3 no atrium in section.

**Gut and pyloric caeca:** Some cell sloughing potentially associated with post-mortem artefact observed in F1, F4, F5. F5 almost no pyloric caeca present.

**Pancreas:** Within the normal range.

**Liver:** Hepatocellular necrosis, mild, multifocal to coalescence F3, F5, cuffing (F1, F4), hepatocellular vacuolation (macrovesicles), mild, diffuse (F1, F2, F4).

**Kidney:** Slight increase of melanomacrophages (F3), presence of hyaline droplets on the epithelium of few renal tubules (F4). Foci of interstitial cell (haemopoietic) reduction (F5).

**Spleen:** Necrotising splenitis, multifocal, mild to moderate (F2 & F5) and slightly congested (F5). F1: Spleen not present.

Signed: Fish Health Inspector

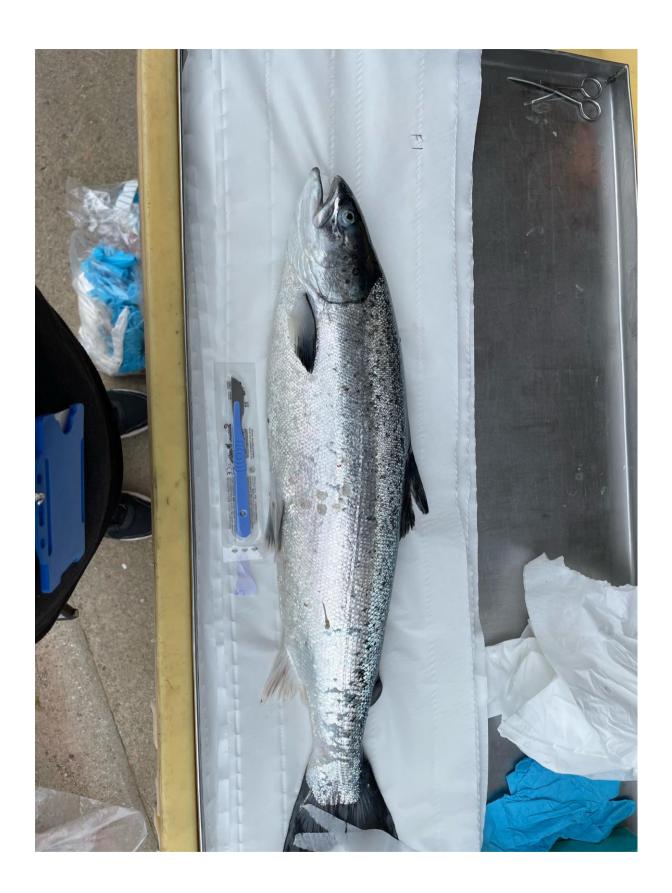
The Fish Health Inspectorate Service Charter detailing standards of service is available on the Scottish Government website at Fish Health Inspectorate Service Charter - gov.scot (www.gov.scot)

Date: 22/09/2023

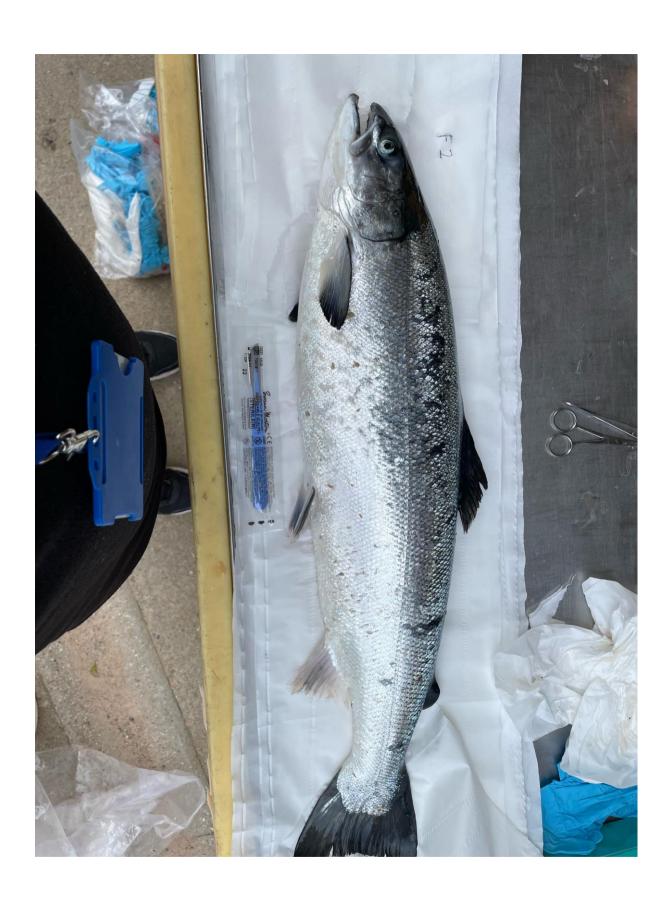
# Kishorn North (FS0804) AFH-2023-0356 09/08/2023

F1

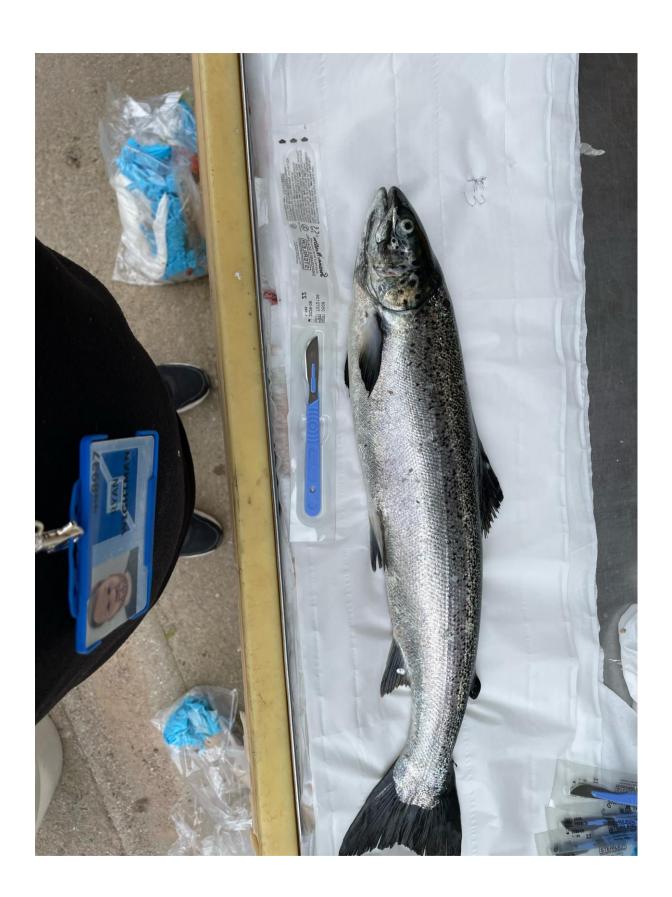






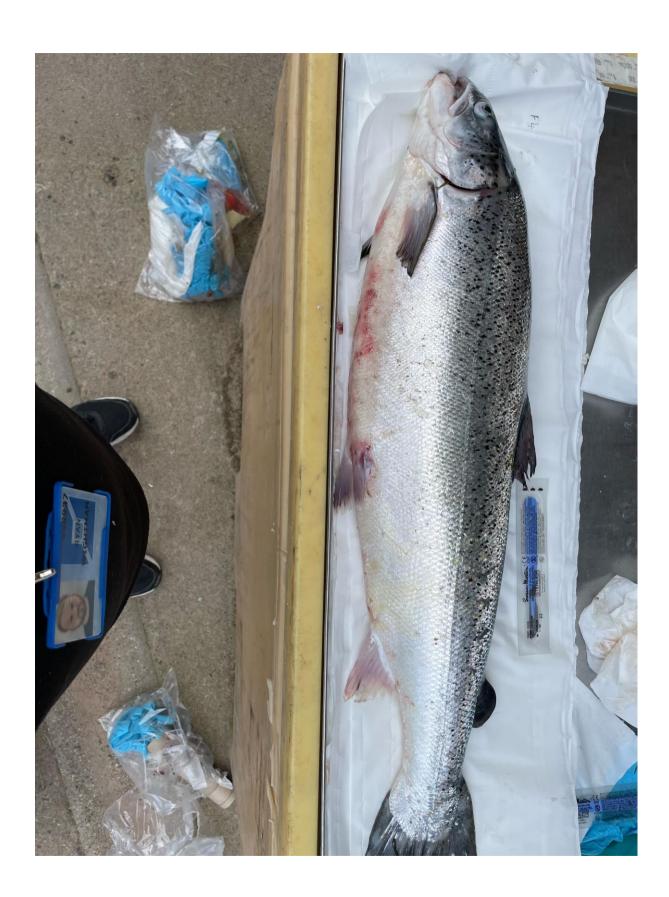




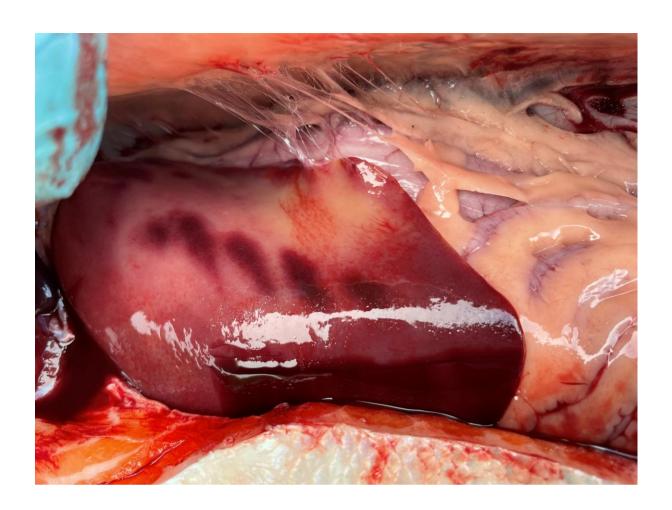






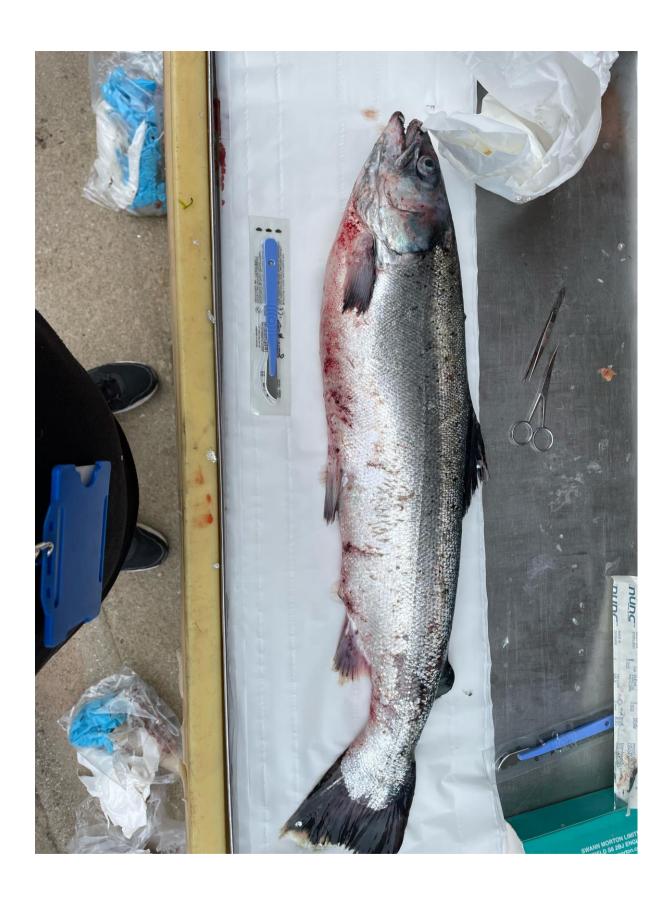












FHI 059, Version 13		Issued by: FHI	Date of issue: 12/05/2020					
Case No: 2023-0384			Date of visit: 30/08/2023					
Time spent on site:	hour	Main Inspec	tor:					
Site No: SS0968 Business No: SB0430	Site Name: Business Name:	Bight of Breawick Blueshell Mussels Ltd						
Case Types: 1 ECI 2	3	4 5	6					
Water Temp (°C): 13.1	Thermometer No:	T306	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 information/clinical score sheet. N If yes, see additional information/clinical score sheet. N If yes, see additional information/clinical score sheet. N						
UNI/REG only - if unable to carry out intended visit detail reason below:								

## **Additional Case Information:**

Paperwork carried out by (30/08/2023) site inspection carried out by (30/08/2023). First site inspection. Registered February 2023.

Site well maintained. Some fouling on lines, however this does not appear to be causing any issues.

FHI 059, Version 13			Issu	ued by: FHI			Date of issue:	: 12/05/2020	
Case No:	2023-0384	]	Site No:	SS0968	]				
Date of Visit:		30/08/2023	]		Inspector(s):				
Registration/Author	risation Deta	ails							
1. Business/site deta	•	checked by s	ite represent	ative?			Υ		
2. Changes made to	details?						N		
Site Details (includ	le cleaner fis	h for all sect	ions)						
Total No facilities		5	Facilities sto	ocked	5	No facilitie	es inspected	)	
Species	MED								
Age group	2023								
No Fish	5 lines								
Mean Fish Wt	~5-10mm								
Next Fallow Date (S	ite)	Never fallow	•	Next Input Da	ite (Site)	Natural sp	at collection		
Recent (last 4 wks)	disease probl	ems?		N	Any escapes	(since last	visit)?	N/A	
If yes, detail:									
<ol> <li>Date of last inspe</li> <li>Are records comp</li> <li>Are movement re</li> <li>Are records comp</li> <li>Are records comp</li> <li>Are health certific</li> </ol> Transport Records <ol> <li>Are any movement</li> <li>yes, is there a sys</li> </ol> Mortality Records	olete and corre cords availab olete and corre ates for introd to nts carried ou tem in place f	le for dead fis ectly entered? ductions (outw t by (or on be for maintenan	sh and waste' P vith GB) avail	able? usiness (not usi	_		First inspection	on Y N/A N/A N/A	
1. Mortality records	available for i	nspection?						Y	
2. How are mortalitie					Other (detail	)			
If other detail:	Empty shells							· ·	
3. Mortality records	•	correctly ente						Y	
4. Recent mortality (	•	:		d mortality obs	erved			6.1	
5. Evidence of recer		• •		./			L	N	
If yes, facility nos/no	mortality per	racility/no sto	ock per racility	//reason:					
6. Any other peaks i	n mortality du	ring period ch	necked?					N/A	
If yes, detail:									
7. Have increased (	unexplained)	mortalities be	en reported t	o vet or FHI?				N/A	
If yes, detail action:								N/A	
8. Have 'mortality events' been reported to FHI? If no, enter details on mortality events sheet.									

Treatments and Medicines Records	
1. Recent treatments (see comment)?	
If yes, detail:	
If other, detail:	
2. Medicines records available for inspection?	
3. Are records complete and correctly entered?	
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 inspection?	Y
2. Has the manner and frequency of mortality removal, recording and safe disposal been considered?	Y
3. Has the manner and period in which the APB will notify Scottish Ministers or veterinary professional of any	
increased (unexplained) mortality at the site been included?	Y
4. Has the action that will be taken in the event that the presence or suspicion of the presence of a listed diseas	e
is detected been included and how and when that will be notified to Scottish Ministers?	Y
5. Has the health status of aquaculture animals being stocked on the farm site been covered (equal or higher	Y
health status, certification if required)?	
6. Have the husbandry and biosecurity measures implemented between each epidemiological unit to minimise	Y
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	Y
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 been carried out by, or on behalf of, the business?	N
2. If yes, are results available for inspection?	
3. Any significant results?	
If yes, detail (if not detailed under recent disease problems).	
Records checked between: First inspection	

FHI 059, Version 13	Issued by: FHI			Date	of issue: 12
Case Number:	2023-0384 Site No:	SS096	8		
Date of ∀isit	30/08/2023 Inspector:			l	
Number of Susceptil	ble species on site				
	ies present = <u>LOW</u> risk		NI-	V	
If susceptible species	present, score for each pathogen		No	Yes	
	Susceptible to Bonamia ostrea (OED)		0	25	0
	Susceptible to Marteilia refringens (OED, MED)		0	3	3
	Susceptible to OsHV (CGI)		0	3	0
Sites within a tidal e	xcursion	1	2-5	>6	
Site contacts	Number of sites holding susceptible species within a tidal				
	excursion	0	2	10	10
Live shellfish moven	nents	0	1-2	>3	
Movements on	Frequency of movements on from equivalent MS	0	5	10	U
	Frequency of movements on from equivalent zone or				
	compartment including third country	0	10	20	0
	Number of suppliers	0	5	10	0
Movements off	Frequency of movements off within MSS Management		,		
	Areas	0	1	2	0
	Frequency of movements off <u>outwith</u> MSS Management Areas	0	3	6	0
	Number of destinations	0	3	6	0
			Secure	Unsecure	
Management practices		None	(effluent treatment)	(no effluent	
Water contacts with		None	treatment)	treatment)	
depuration facilities	Depuration of stock from own sites within MSS management area	0	1	2	0
	Depuration of stock from other businesses sites within	•			$\vdash$
	MSS management area	0	2	6	0
	Depuration of stock from sites outwith MSS management				
	area	0	4	8	0
Biosecurity	Number of sites	1	2 or 3	≥ 4	
Contacts with other	Sites operating from single shorebase	0	1	2	2
sites	Sites sharing staff and equipment	0	1	5	5
			Yes	No	
	Disinfection of equipment between sites, use of footbath	s etc	0	2	2
	Disinfection of equipment between sites, use of footbath	s etc	0 Total	2	2 22
	Disinfection of equipment between sites, use of footbath	s etc		2	

Case No:	2023-0384			Date of visit:	30/08/2023			
Site No:	SS0968	l		Inspector:		I		
Results Summary	Freq.			Da	te of Notifica	tion		
,	·	Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Insp
Report Summary		-						
Case Type ECI	Date	Insp	2 <sup>nd</sup> Insp					
ECI	06/11/2023							



### SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS NO SB0430 DATE OF VISIT 30/08/2023
SITE NO SS0968 SITE NAME Bight of Breawick
CASE NO 20230384 INSPECTOR

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

The above site was inspected, in accordance with the Aquatic Animal Health (Scotland) Regulations 2009.

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

### Records

The surveillance frequency category of the site was assessed as medium. An inspection under the Aquatic Animal Health (Scotland) Regulations 2009 will be conducted every second year. The category of the site will be reassessed on a routine basis and updated as required.

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

Aquaculture animal and aquaculture animal product movement records were inspected and appeared to be adequately maintained.

Mortality records were inspected and found to be adequately maintained.

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

Signed: Fish Health Inspector

FHI 059, Version 13	Issu	ed by: FHI	Date of issue: 12/05/2020
Case No: 2023-0385			Date of visit: 30/08/2023
Time spent on site:	hour	Main Inspecto	or:
Site No: SS0723 Business No: SB0465	Site Name: Business Name:	Treawick Suthra Voe Shellfish	
Case Types: 1 ECI 2	3	4 5	6
Water Temp (°C): 13.1	Thermometer No:	T306	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 infor	mation/clinical score sheet. mation/clinical score sheet. mation/clinical score sheet.
UNI/REG only - if unable to carry	out intended visit detail rea	son below:	

Limited fowling. Overall site appeared well maintained and tidy, with good spatfall.

Site inspection carried out by (30/08/2023), paperwork completed by (30/08/2023)

FHI 059, Version 13	3	_	Issu	ed by: FHI	_		Date of issue	e: 12/05/2020
Case No:	2023-0385		Site No:	SS0723				
Date of Visit:		30/08/2023	3		Inspector(s):			
Registration/Author	orisation Deta	ails						
1. Business/site det			ite representa	ative?			Υ	1
2. Changes made to	•	·	·				N	
Site Details (includ	de cleaner fis	h for all sect	ions)					
Total No facilities		3	Facilities sto	cked	3	No facilitie	es inspected	3
Species	MED						Τ .	
Age group	Mix							
No Fish	3 lines							
Mean Fish Wt	Mix							
Next Fallow Date (S		No plans		Next Input Da	ite (Site)	Natural sp	pat fall	
Recent (last 4 wks)	•	•		N				N/A
If yes, detail:								
3. Are records com 4. Are movement re 5. Are records com 6. Are health certific  Transport Records 1. Are any moveme If yes, is there a sys	ecords availab plete and correcates for introd s ents carried ou	le for dead fis ectly entered? ductions (outv	sh and waste? ? vith GB) availa half) of the bu	able? usiness (not usi	_			N/A N/A N/A
1. Mortality records	available for it	nspection?						Y
<ol><li>How are mortaliti</li></ol>	es disposed o	f?			Other (detail	)		
If other detail:		fall to sea be						
<ol><li>Mortality records</li></ol>	•	correctly ent	ered?					Y
4. Recent mortality			No observed	d mortality				
<ol><li>Evidence of rece</li></ol>		• •						N
If yes, facility nos/no	o mortality per	facility/no sto	ock per facility	/reason:				
6. Any other peaks	in mortality du	ring period ch	necked?					N/A
If yes, detail:	(unovaloined)	mortalitics be	on reported to	a vot or EUI2				N/A
7. Have increased (	• •	mortanties be	en reported to	vel or FHI?				IV/A
If yes, detail action: 8. Have 'mortality e		norted to EUI	2 If no enter	details on mort	ality events s	heet		N/A
o. Have inortality e	venus peemie	ported to FIII	: Il lio, enter	uctails on more	anty events s	neet.		IV/A

Tuestos sud Madiainas Dagarda	
Treatments and Medicines Records  1. Recent treatments (see comment)?	
If yes, detail:	
If other, detail:	
2. Medicines records available for inspection?	
3. Are records complete and correctly entered?	
4. Are fish in a withdrawal period?	
5. If yes, what treatment(s)?	•
If other, detail:	
6. Are medicines stored appropriately?	
Biosecurity Records	
1. Biosecurity records available for inspection?	Y
2. Has the manner and frequency of mortality removal, recording and safe disposal been considered?	Y
3. Has the manner and period in which the APB will notify Scottish Ministers or veterinary professional of any	
increased (unexplained) mortality at the site been included?	Y
4. Has the action that will be taken in the event that the presence or suspicion of the presence of a listed diseas	е
is detected been included and how and when that will be notified to Scottish Ministers?	Y
5. Has the health status of aquaculture animals being stocked on the farm site been covered (equal or higher	Y
health status, certification if required)?	
6. Have the husbandry and biosecurity measures implemented between each epidemiological unit to minimise	Y
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	Y
aquaculture animals held on site?	
8. Have the biosecurity procedures been adequately implemented on site?	'
If no, detail:	
Results of Surveillance	
Has any animal health surveillance been carried out by, or on behalf of, the business?	N
2. If yes, are results available for inspection?	
3. Any significant results?	
If yes, detail (if not detailed under recent disease problems).	
il you, detail (il liot detailed direct recent disease probleme).	
Records checked between: 05/11/2018 - 30/08/2023	

FHI 059, Version 13	Issued by: FHI			Date	of issue: 12
Case Number:	2023-0385 Site No:	SS072	3		
Date of ∀isit	30/08/2023 Inspector:			l	
Number of Susceptib	ole species on site				
	ies present = <u>LOW</u> risk			.,	
If susceptible species	present, score for each pathogen		No	Yes	
	Susceptible to Bonamia ostrea (OED)		0	25	0
	Susceptible to Marteilia refringens (OED, MED)		0	3	3
	Susceptible to OsHV (CGI)		0	3	0
Sites within a tidal ex	xcursion	1	2-5	>6	
Site contacts	Number of sites holding susceptible species within a tidal				
	excursion	0	2	10	10
Live shellfish moven	nents	0	1-2	>3	
Movements on	Frequency of movements on from equivalent MS	0	5	10	U
	Frequency of movements on from equivalent zone or				
	compartment including third country	0	10	20	0
	Number of suppliers	0	5	10	0
Movements off	Frequency of movements off within MSS Management				
	Areas	0	1	2	0
	Frequency of movements off <u>outwith</u> MSS Management Areas	0	3	6	0
	Number of destinations	0	3	6	0
			Secure	Unsecure	
Management practices		None	(effluent treatment)	(no effluent	
Water contacts with		None	treatment)	treatment)	
depuration facilities	Depuration of stock from own sites within MSS management area	0	1	2	0
	Depuration of stock from other businesses sites within				
	MSS management area	0	2	6	0
	Depuration of stock from sites outwith MSS management				
	area	0	4	8	0
Biosecurity	Number of sites	1	2 or 3	≥ 4	
Contacts with other	Sites operating from single shorebase	0	1	2	2
sites	Sites sharing staff and equipment	0	1	5	5
			Yes	No	
	Disinfection of equipment between sites, use of footbath	s atc	0	2	2
	Distribution of equipment between sites, use of hotibath	O CIC	,		
			Total		22
			Risk		MEDIUM

Case No:	2023-0385			Date of visit:	30/08/2023			
O'' N	000700	1						
Site No:	SS0723			Inspector:				
Results Summary	Freq.			Da	te of Notifica	tion		
results cultilliary	r req.	Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Insp
						· · · · · · · · · · · · · · · · · · ·		2 11130
Donart Cummon								
Report Summary	Dete	laaa	ond .					
Case Type ECI	Date 06/11/2023	Insp	2 <sup>nd</sup> Insp					
LOI	00/11/2023							



### SUMMARY FOR INFORMATION OF SITE OPERATOR

 Business No
 SB0465
 Date of Visit
 30/08/2023

 Site No
 SS0723
 Site Name
 Treawick

 Case No
 20230385
 Inspector

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

The above site was inspected, in accordance with the Aquatic Animal Health (Scotland) Regulations 2009.

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

### Records

The surveillance frequency category of the site was assessed as medium. An inspection under the Aquatic Animal Health (Scotland) Regulations 2009 will be conducted every second year. The category of the site will be reassessed on a routine basis and updated as required.

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

Aquaculture animal and aquaculture animal product movement records were inspected and appeared to be adequately maintained.

Mortality records were inspected and found to be adequately maintained.

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

Signed: Fish Health Inspector

FHI 059, Version 13	Issue	ed by: FHI	Date of issue: 12/05/2020
Case No: 2023-0386			Date of visit: 30/08/2023
Time spent on site:	hour	Main Inspecto	or:
Site No: SS0500 Business No: SB0465	Site Name: Business Name:	Suthra Voe Suthra Voe Shellfish	
Case Types: 1 ECI	2 3	4 5	6
Water Temp (°C): 12.9	Thermometer No:	T306	FHI 045 completed
Observations:	Region: SH	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 infor	mation/clinical score sheet. mation/clinical score sheet. mation/clinical score sheet.
UNI/REG only - if unable to carry	out intended visit detail reas	son below:	
Water Temp (°C): 12.9  Observations:  Dead/weak/abnormally behaving Clinical signs of disease observe Gross pathology observed?  Diagnostic samples taken?	Thermometer No:  Region: SH g fish present? ed?	T306  Water type: S  N If yes, see additional inform If yes, see additional inform If yes, see additional inform N	FHI 045 completed  CoGP MA  mation/clinical score sheet. mation/clinical score sheet.

Site well maintained. Some fouling on lines, however this does not appear to be causing any issues.

Paperwork carried out by (30/08/2023) site inspection carried out by (30/08/2023)

FHI 059, Version 13			Issu	ied by: FHI			Date of issue	e: 12/05/2020
Case No:	2023-0386		Site No:	SS0500	]			
Date of Visit:		30/08/2023			Inspector(s):			
Registration/Autho	risation Deta	ails						
1. Business/site deta	ails summary		ite representa	ative?			Y	
2. Changes made to	details?						Υ	
Site Details (includ	e cleaner fis	h for all sect	_					
Total No facilities		5	Facilities sto	cked	5	No facilitie	es inspected	5
Species	MED							
Age group No Fish	Mix							
Mean Fish Wt	5 lines							
Next Fallow Date (Si	10-30mm	Never fallow		Next Input Da	oto (Sito)	Natural sp	act fall	
Recent (last 4 wks)	,				Any escapes			NI/A
If yes, detail:	ilsease proble	ems:		<u> </u>	Arry escapes	(Since last	VISIL) !	N/A
<ul><li>5. Are records comp</li><li>6. Are health certification</li><li>Transport Records</li><li>1. Are any movement If yes, is there a syst</li></ul>	ates for introd onts carried out	ductions (outw	vith GB) availa half) of the bu	usiness (not usi				N/A N/A
Mortality Records								
Mortality records a	available for in	nspection?					T. T. T.	Y
2. How are mortalitie		•			Other (detail)			
	Empty shells		d					
3. Mortality records of								Y
4. Recent mortality (	•			d increased mo	ortality			
5. Evidence of recen		••						N
If yes, facility nos/no	mortality per	facility/no sto	ck per facility	/reason:				
6. Any other peaks in	n mortality du	ring period ch	necked?					N/A
If yes, detail:	Thortanty da	ing period on	iconcu.					
7. Have increased (u	inexplained)	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, enter	details on mort	tality events sh	neet.		N/A

Treatments and Madiainas Dagarda		
Treatments and Medicines Records		
1. Recent treatments (see comment)?		
If yes, detail:		
If other, detail:		
2. Medicines records available for inspection?		
3. Are records complete and correctly entered?		
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 inspection?		Y
2. Has the manner and frequency of mortality removal, recording and safe dispos		Y
3. Has the manner and period in which the APB will notify Scottish Ministers or ve	terinary professional of any	
increased (unexplained) mortality at the site been included?		Y
4. Has the action that will be taken in the event that the presence or suspicion of t	· ·	
is detected been included and how and when that will be notified to Scottish Mini		Y
5. Has the health status of aquaculture animals being stocked on the farm site be	en covered (equal or higher	Y
health status, certification if required)?		
6. Have the husbandry and biosecurity measures implemented between each epi	_	Y
transmission of disease been covered (movement of staff, visitors, equipment, liv	_	
7. Is documentation available regarding the measures in place to maintain the physical states of the state of	ysical containment of	Y
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 been carried out by, or on behalf of, the bus	siness?	N
2. If yes, are results available for inspection?		
3. Any significant results?		
If yes, detail (if not detailed under recent disease problems).		
Records checked between: 05/11/2018- 30/08/2	.023	

FHI 059, Version 13	Issued by: FHI			Date	of issue: 12
Case Number:	2023-0386 Site No:	SS050	0		
Date of ∀isit	30/08/2023 Inspector:			1	
Number of Susceptil	ole species on site				
	es present = <u>LOW</u> risk		N.	V	
If susceptible species	present, score for each pathogen		No	Yes	
	Susceptible to Bonamia ostrea (OED)		0	25	0
	Susceptible to Marteilia refringens (OED, MED)		0	3	3
	Susceptible to OsHV (CGI)		0	3	0
Sites within a tidal e	ccursion	1	2-5	>6	
Site contacts	Number of sites holding susceptible species within a tidal				
	excursion	0	2	10	10
Live shellfish moven	nents	0	1-2	>3	
Movements on	Frequency of movements on from equivalent MS	0	5	10	U
	Frequency of movements on from equivalent zone or				
	compartment including third country	0	10	20	0
	Number of suppliers	0	5	10	0
Movements off	Frequency of movements off <u>within</u> MSS Management Areas	0	4	2	0
		U	1	2	
	Frequency of movements off <u>outwith</u> MSS Management Areas	0	3	6	0
	Number of destinations	0	3	6	0
			Secure	Unsecure	
Management practices		None	(effluent treatment)	(no effluent treatment)	
Water contacts with		None	u eauneni)	l eaunent)	
depuration facilities	Depuration of stock from own sites within MSS management area	0	1	2	0
	Depuration of stock from other businesses sites within				$\vdash$
		0	2	6	0
	MSS management area  Depuration of stock from sites outwith MSS management	_	2	6	0
	MSS management area	_	2	6 8	0
Biosecurity	MSS management area Depuration of stock from sites outwith MSS management				
Biosecurity  Contacts with other	MSS management area Depuration of stock from sites outwith MSS management area	0	4	8	
	MSS management area  Depuration of stock from sites outwith MSS management area  Number of sites	0	4	8 ≥ 4	
Contacts with other	MSS management area  Depuration of stock from sites outwith MSS management area  Number of sites  Sites operating from single shorebase	0 1 0	4 2 or 3	8 ≥4	0
Contacts with other	MSS management area  Depuration of stock from sites outwith MSS management area  Number of sites  Sites operating from single shorebase  Sites sharing staff and equipment	0 1 0 0	4 2 or 3 1 1 Yes	8 ≥ 4 2 5 No	0
Contacts with other	MSS management area  Depuration of stock from sites outwith MSS management area  Number of sites  Sites operating from single shorebase	0 1 0 0	4 2 or 3 1	8 ≥4 2 5	0
Contacts with other	MSS management area  Depuration of stock from sites outwith MSS management area  Number of sites  Sites operating from single shorebase  Sites sharing staff and equipment	0 1 0 0	4 2 or 3 1 1 Yes	8 ≥ 4 2 5 No	0
Contacts with other	MSS management area  Depuration of stock from sites outwith MSS management area  Number of sites  Sites operating from single shorebase  Sites sharing staff and equipment	0 1 0 0	4 2 or 3 1 1 Yes	8 ≥ 4 2 5 No	0 2 5

Case No:	2023-0386			Date of visit:	30/08/2023			
Site No:	SS0500	l		Inspector:		ı		
Results Summary	Freq.			Da	te of Notifica	tion		
,	·	Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Insp
Report Summary								
Case Type ECI	Date	Insp	2 <sup>nd</sup> Insp					
ECI	06/11/2023							



### SUMMARY FOR INFORMATION OF SITE OPERATOR

 Business No
 SB0465
 Date of Visit
 30/08/2023

 Site No
 SS0500
 Site Name
 Suthra Voe

 Case No
 20230386
 Inspector

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

The above site was inspected, in accordance with the Aquatic Animal Health (Scotland) Regulations 2009.

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

### Records

The surveillance frequency category of the site was assessed as medium. An inspection under the Aquatic Animal Health (Scotland) Regulations 2009 will be conducted every second year. The category of the site will be reassessed on a routine basis and updated as required.

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

Aquaculture animal and aquaculture animal product movement records were inspected and appeared to be adequately maintained.

Mortality records were inspected and found to be adequately maintained.

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

Signed: Fish Health Inspector

Date: 06/11/2023

R14

FHI 059, Version 13	Issu	ied by: FHI	Date of issue: 12/05/2020
Case No: 2023-0387			Date of visit: 30/08/2023
Time spent on site:	hour	Main Inspecto	or:
Site No: SS0526 Business No: SB0337	Site Name: Business Name:	Grink Holm Cribba Sound Ltd	
Case Types: 1 ECI 2	2 3	4 5	6
Water Temp (°C): 13.1	Thermometer No:	T306	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?	•	N 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 rea	ason below:	

Conditions of stock on site appeared good. Some fowling, but minimal.

Paperwork completed by (30/08/2023), site inspection carried out by (30/08/2023).

Date of Visit: 30/08/2023 Inspector(s):  Registration/Authorisation Details  1. Business/site details summary checked by site representative?  2. Changes made to details?  Site Details (include cleaner fish for all sections)  Total No facilities  Species  MED  Mix  A Facilities stocked  4 No facilities inspected  4 Species  Age group  Mix  No Fish  Mean Fish Wt  10-30mm  Next Fallow Date (Site)  Recent (last 4 wks) disease problems?  Nany escapes (since last visit)?  NAny escapes (since last visit)?  NAny escapes  Since last visit)?  NAny escapes  Since last visit)?  NAN  Are records complete and correctly entered?  4. Are movement records available for inspection?  2. Date of last inspection:  3. Are records complete and correctly entered?  4. Are movement records available for dead fish and waste?  5. Are records complete and correctly entered?  6. Are health certificates for introductions (outwith GB) available?  Transport Records  1. Mortality records available for mintenance of transportation records?  If yes, is there a system in place for maintenance of transportation records?  Mortality records available for inspection?  2. How are mortalities disposed of?  A recent mortality (last 4 wks):  Dead shells fall to sea bed  3. Mortality records complete and correctly entered?  4. Recent mortality (last 4 wks):  Do observed increased mortality  If yes, settail:  N/A  N/A  N/A  Transport records complete and correctly entered?  A record correctly entered?  A record correctly entered?  A record correctly entered?  A	FHI 059, Version 13			Issu	ied by: FHI			Date of issu	e: 12/05/2020
Registration/Authorisation Details  1. Business/site details summary checked by site representative?  2. Changes made to details?  Site Details (include cleaner fish for all sections)  Total No facilities Species  Age group Mix No Fish Age a lines Mean Fish Wt 10-30mm Next Fallow Date (Site) Never fallow Next Fallow Date (Site) Never fallow Next Input Date (Site) Natural spat fall Recent (last 4 wks) disease problems?  NAny 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?  Transport Records  1. Mortality records available for inspection? 2. How are mortalities disposed of? 2. How are mortalities disposed of? 3. Mortality records available for inspection? 4. Recent mortality (last 4 wks): 5. Who observed increased mortality 6. Any other peaks in mortality during period checked? 6. Any other peaks in mortality during period checked? 7. NA  NA  No facility nos/no mortality been reported to vet or FHI? 7. NA	Case No:	2023-0387	j	Site No:	SS0526				
1. Business/site details summary checked by site representative? 2. Changes made to details?  Site Details (include cleaner fish for all sections)  Total No facilities Species MED Age group Mix No Fish Haines Hoan Fish Wt 10-30mm Next Fallow Date (Site) Mever fallow Next Input Date (Site) Nany escapes (since last visit)? N/A  If yes, detail:  Movement Records 1. Movement records available for inspection? 2. Date of last inspection: 3. Are records complete and correctly entered? 4. Are movement records available for dead fish and waste? 5. Are records complete and correctly entered? 4. Are movement records available for late of the summary of t	Date of Visit:		30/08/2023	1		Inspector(s):			•
Site Details (include cleaner fish for all sections)  Total No facilities	Registration/Author	risation Deta	ails						_
Site Details (include cleaner fish for all sections)  Total No facilities   4			checked by s	ite representa	ative?			Υ	
Total No facilities Species Age group Mix MED Mix No Fish 4 lines 10-30mm Next Fallow Date (Site) Next Fallow Date (Site) Never fallow Next Input Date (Site) Natural spat fall Next Fallow Date (Site) Never fallow Next Input Date (Site) Natural spat fall Recent (last 4 wks) disease problems? NAny escapes (since last visit)? N/A for secape of last inspection?  1. Movement records available for inspection? 2. Date of last inspection: 05/11/2018 3. Are records complete and correctly entered? 4. Are movement records available for dead fish and waste? 5. Are records complete and correctly entered? 6. Are health certificates for introductions (outwith GB) available?  Transport Records 1. Are any movements carried out by (or on behalf) of the business (not using a STB)? If yes, is there a system in place for maintenance of transportation records?  Mortality Records 1. Mortality records available for inspection? 2. How are mortalities disposed of? Other (detail) 1. Great shells fall to sea bed 3. Mortality records complete and correctly entered? 4. Recent mortality (last 4 wks): No observed increased mortality 5. Evidence of recent increased/atypical mortalities? If yes, facility nos/no mortality during period checked? If yes, detail: N/A for the mortality during period checked? If yes, detail action: N/A for the portal action acti	2. Changes made to	details?						Y	]
Total No facilities Species Age group Mix MED Mix No Fish 4 lines 10-30mm Next Fallow Date (Site) Next Fallow Date (Site) Never fallow Next Input Date (Site) Natural spat fall Next Fallow Date (Site) Never fallow Next Input Date (Site) Natural spat fall Recent (last 4 wks) disease problems? NAny escapes (since last visit)? N/A for secape of last inspection?  1. Movement records available for inspection? 2. Date of last inspection: 05/11/2018 3. Are records complete and correctly entered? 4. Are movement records available for dead fish and waste? 5. Are records complete and correctly entered? 6. Are health certificates for introductions (outwith GB) available?  Transport Records 1. Are any movements carried out by (or on behalf) of the business (not using a STB)? If yes, is there a system in place for maintenance of transportation records?  Mortality Records 1. Mortality records available for inspection? 2. How are mortalities disposed of? Other (detail) 1. Great shells fall to sea bed 3. Mortality records complete and correctly entered? 4. Recent mortality (last 4 wks): No observed increased mortality 5. Evidence of recent increased/atypical mortalities? If yes, facility nos/no mortality during period checked? If yes, detail: N/A for the mortality during period checked? If yes, detail action: N/A for the portal action acti	Site Details (includ	le cleaner fie	h for all sect	ione)					
Species Age group Mix No Fish Mean Fish Wt Next Fallow Date (Site) Mever fallow Mext Fallow Date (Site) Mever fallow Mext Fallow Date (Site) Movement Records 1. Any escapes (since last visit)? Movement Records 2. Date of last inspection: 3. Are records complete and correctly entered? 4. Are movement records available for dead fish and waste? 5. Are records complete and correctly entered? 6. Are health certificates for introductions (outwith GB) available?  Transport Records 1. Mortality Records Mortality Records Mortality Records 3. Mortality records available for maintenance of transportation records?  Mortality Records 1. Mortality records available for inspection? 2. How are mortalities disposed of? If other detail: Dead shells fall to sea bed 3. Mortality records complete and correctly entered? 4. Recent mortality (last 4 wks): No observed increased mortality (18t 4 wks): No observed increased mortality (18t 5 wks): No observed increased mortality (18t 6 wks): No observed increased mortality (18t 7 wks): No observed increased were fall the fall to sea bed 18t 7 wks): No observed increased were fall the fall to sea bed 18t 7 wks 1	•	ic cicalici lis	4	_	ocked	4	No facilitie	s inspected	4
Age group No Fish No Fish Watan Fish Wt Next Fallow Date (Site) Never fallow Next Fallow Date (Site) Never fallow Next Input Date (Site) Natural spat fall Recent (last 4 wks) disease problems? N/A Nay escapes (since last visit)? N/A If yes, detail:  Movement Records 1. Movement records available for inspection? 2. Date of last inspection: 3. Are records complete and correctly entered? 4. Are movement records available for dead fish and waste? 5. Are records complete and correctly entered? 6. Are health certificates for introductions (outwith GB) available?  Transport Records 1. Are any movements carried out by (or on behalf) of the business (not using a STB)? If yes, is there a system in place for maintenance of transportation records?  Mortality Records 1. Mortality records available for inspection? 2. How are mortalities disposed of? If other detail: Dead shells fall to sea bed 3. Mortality records complete and correctly entered? 4. Recent mortality (last 4 wks): No observed increased mortality 5. Evidence of recent increased/atypical mortalities? If yes, facility nos/no mortality during period checked? If yes, detail: N/A If yes, detail:		MED		r domineo etc	I		Tto racingo	I	
Mean Fish W Mean Fish Wt Next Fallow Date (Sife) Never fallow Next Input Date (Site) Natural spat fall Recent (last 4 wks) disease problems? NI Any escapes (since last visit)? NI/Alf yes, detail:    Movement Records	•								
Mean Fish Wt Next Fallow Date (Site) Never fallow Next Input Date (Site) Natural spat fall Recent (last 4 wks) disease problems? NAny escapes (since last visit)? N/A If yes, detail:  Movement Records 1. Movement records available for inspection? 2. Date of last inspection: 3. Are records complete and correctly entered? 4. Are movement records available for dead fish and waste? 5. Are records complete and correctly entered? 6. Are health certificates for introductions (outwith GB) available?  Transport Records 1. Are any movements carried out by (or on behalf) of the business (not using a STB)? If yes, is there a system in place for maintenance of transportation records?  Mortality Records 1. Mortality records available for inspection? 2. How are mortalities disposed of? If other detail: Dead shells fall to sea bed 3. Mortality records complete and correctly entered? 4. Recent mortality (last 4 wks): 5. Evidence of recent increased/atypical mortalities? If yes, facility nos/no mortality per facility/no stock per facility/reason:  N/A If yes, detail: N/A If yes, detail action:  N/A If yes, detail action:	No Fish								
Next Fallow Date (Site)  Never fallow  Next Input Date (Site)  Natural spat fall  Natural	Mean Fish Wt								
Movement Records  1. Movement records available for inspection?  2. Date of last inspection: 3. Are records complete and correctly entered? 4. Are movement records available for dead fish and waste? 5. Are records complete and correctly entered? 6. Are health certificates for introductions (outwith GB) available?  Transport Records  1. Are any movements carried out by (or on behalf) of the business (not using a STB)?  If yes, is there a system in place for maintenance of transportation records?  Mortality Records  1. Mortality records available for inspection?  2. How are mortalities disposed of?  If other detail:  Dead shells fail to sea bed 3. Mortality records complete and correctly entered? 4. Recent mortality (last 4 wks):  No observed increased mortality  5. Evidence of recent increased/atypical mortalities?  If yes, facility nos/no mortality per facility/no stock per facility/reason:  6. Any other peaks in mortality during period checked?  If yes, detail:  7. Have increased (unexplained) mortalities been reported to vet or FHI?  N/A  If yes, detail action:	Next Fallow Date (S		Never fallow	,	Next Input Da	ate (Site)	Natural spa	at fall	•
Movement Records  1. Movement records available for inspection?  2. Date of last inspection: 3. Are records complete and correctly entered? 4. Are movement records available for dead fish and waste? 5. Are records complete and correctly entered? 6. Are health certificates for introductions (outwith GB) available?  Transport Records  1. Are any movements carried out by (or on behalf) of the business (not using a STB)?  If yes, is there a system in place for maintenance of transportation records?  Mortality Records 1. Mortality records available for inspection? 2. How are mortalities disposed of?  If other detail: 3. Mortality records complete and correctly entered? 4. Recent mortality (last 4 wks): 5. Evidence of recent increased/atypical mortalities?  If yes, facility nos/no mortality per facility/no stock per facility/reason:  8. Any other peaks in mortality during period checked?  If yes, detail: 7. Have increased (unexplained) mortalities been reported to vet or FHI?  N/A  If yes, detail action:	Recent (last 4 wks)	disease probl	ems?		, N	Any escapes	(since last	visit)?	N/A
1. Movement records available for inspection? 2. Date of last inspection: 3. Are records complete and correctly entered? 4. Are movement records available for dead fish and waste? 5. Are records complete and correctly entered? 6. Are health certificates for introductions (outwith GB) available?  Transport Records 1. Are any movements carried out by (or on behalf) of the business (not using a STB)?  If yes, is there a system in place for maintenance of transportation records?  Mortality Records 1. Mortality records available for inspection? 2. How are mortalities disposed of? If other detail: 3. Mortality records complete and correctly entered? 4. Recent mortality (last 4 wks): 5. Evidence of recent increased/atypical mortalities?  No observed increased mortality  If yes, facility nos/no mortality per facility/no stock per facility/reason:  1. Mortality records available for inspection?  Yes, facility nos/no mortality per facility/no stock per facility/reason:	If yes, detail:				•		•		
1. Mortality records available for inspection?  2. How are mortalities disposed of?  If other detail:  Dead shells fall to sea bed  3. Mortality records complete and correctly entered?  4. Recent mortality (last 4 wks):  5. Evidence of recent increased/atypical mortalities?  If yes, facility nos/no mortality per facility/no stock per facility/reason:  6. Any other peaks in mortality during period checked?  If yes, detail:  7. Have increased (unexplained) mortalities been reported to vet or FHI?  N/A  If yes, detail action:	4. Are movement re 5. Are records comp 6. Are health certific  Transport Records 1. Are any movement	cords availab plete and corre ates for introd ints carried ou	le for dead fis ectly entered? ductions (outw t by (or on be	sh and waste? ? vith GB) avail half) of the bu	able? usiness (not us				N/A
2. How are mortalities disposed of?  If other detail:  Dead shells fall to sea bed  3. Mortality records complete and correctly entered?  4. Recent mortality (last 4 wks):  No observed increased mortality  5. Evidence of recent increased/atypical mortalities?  If yes, facility nos/no mortality per facility/no stock per facility/reason:  6. Any other peaks in mortality during period checked?  N/A  If yes, detail:  7. Have increased (unexplained) mortalities been reported to vet or FHI?  N/A  If yes, detail action:	Mortality Records								
If other detail:  Dead shells fall to sea bed  Mortality records complete and correctly entered?  No observed increased mortality  Evidence of recent increased/atypical mortalities?  If yes, facility nos/no mortality per facility/no stock per facility/reason:  Any other peaks in mortality during period checked?  N/A  If yes, detail:  Have increased (unexplained) mortalities been reported to vet or FHI?  N/A  If yes, detail action:	1. Mortality records	available for i	nspection?						Y
3. Mortality records complete and correctly entered?  4. Recent mortality (last 4 wks):  5. Evidence of recent increased/atypical mortalities?  If yes, facility nos/no mortality per facility/no stock per facility/reason:  6. Any other peaks in mortality during period checked?  If yes, detail:  7. Have increased (unexplained) mortalities been reported to vet or FHI?  N/A  If yes, detail action:		es disposed o	f?			Other (detail	)		
4. Recent mortality (last 4 wks):  No observed increased mortality  5. Evidence of recent increased/atypical mortalities?  If yes, facility nos/no mortality per facility/no stock per facility/reason:  N/A  16. Any other peaks in mortality during period checked?  N/A  17. Have increased (unexplained) mortalities been reported to vet or FHI?  N/A  18. If yes, detail action:									
5. Evidence of recent increased/atypical mortalities?  If yes, facility nos/no mortality per facility/no stock per facility/reason:  6. Any other peaks in mortality during period checked?  If yes, detail:  7. Have increased (unexplained) mortalities been reported to vet or FHI?  N/A  If yes, detail action:	•	•	correctly enter						Y
If yes, facility nos/no mortality per facility/no stock per facility/reason:  6. Any other peaks in mortality during period checked?  N/A  If yes, detail:  7. Have increased (unexplained) mortalities been reported to vet or FHI?  N/A  If yes, detail action:	• '	•			d increased mo	ortality			
6. Any other peaks in mortality during period checked?  If yes, detail:  7. Have increased (unexplained) mortalities been reported to vet or FHI?  N/A  N/A									N
If yes, detail:  7. Have increased (unexplained) mortalities been reported to vet or FHI?  N/A  If yes, detail action:	If yes, facility nos/no	mortality per	facility/no sto	ock per facility	//reason:				
If yes, detail:  7. Have increased (unexplained) mortalities been reported to vet or FHI?  N/A  If yes, detail action:	6 Any other needs i	n mortality du	ring paried at	anakad2					NI/A
7. Have increased (unexplained) mortalities been reported to vet or FHI?  N/A  If yes, detail action:	•	n mortality du	ning period ci	ieckeu?					IN/A
If yes, detail action:		inexplained)	mortalities be	en reported to	o vet or FHI2				N/A
	•	инскріаніса) і	nortainies be	cirreported t	O VOLOTTII:				1377
		ents' been re	ported to FHI	? If no. enter	details on mor	tality events sl	heet.		N/A

Treatments and Medicines Records	
1. Recent treatments (see comment)?	
If other detail:	
If other, detail:  2. Medicines records available for inspection?	
·	
3. Are records complete and correctly entered?	
4. Are fish in a withdrawal period?	
5. If yes, what treatment(s)?	
If other, detail:	
6. Are medicines stored appropriately?	
Biosecurity Records	V
Biosecurity records available for inspection?	Y
2. Has the manner and frequency of mortality removal, recording and safe disposal been considered?	Y
3. Has the manner and period in which the APB will notify Scottish Ministers or veterinary professional of any	
increased (unexplained) mortality at the site been included?	Y
4. Has the action that will be taken in the event that the presence or suspicion of the presence of a listed disease	
is detected been included and how and when that will be notified to Scottish Ministers?	Y
5. Has the health status of aquaculture animals being stocked on the farm site been covered (equal or higher	Y
health status, certification if required)?	
6. Have the husbandry and biosecurity measures implemented between each epidemiological unit to minimise	Y
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	Y
aquaculture animals held on site?	
8. Have the biosecurity procedures been adequately implemented on site?	Y
If no, detail:	
Results of Surveillance	
Has any animal health surveillance been carried out by, or on behalf of, the business?	N
2. If yes, are results available for inspection?	
3. Any significant results?	
If yes, detail (if not detailed under recent disease problems).	
ii yes, detaii (ii not detailed dider recent disease problems).	
Records checked between: 05/11/2022 - 30/08/23	

rni 059, version 15	issued by. Fill			Date	or issue. 12
Case Number:	2023-0387 Site No:	SS052	6		
Date of ∀isit	30/08/2023 Inspector:				
Number of Susceptil	ole species on site				
	ies present = <u>LOW</u> risk			.,	
If susceptible species	present, score for each pathogen		No	Yes	
	Susceptible to Bonamia ostrea (OED)		0	25	0
	Susceptible to Marteilia refringens (OED, MED)		0	3	3
	Susceptible to OsHV (CGI)		0	3	0
Sites within a tidal e	xcursion	1	2-5	>6	
Site contacts	Number of sites holding susceptible species within a tidal				
	excursion	0	2	10	10
Live shellfish moven	nents	0	1-2	>3	
Movements on	Frequency of movements on from equivalent MS	0	5	10	U
	Frequency of movements on from equivalent zone or				
	compartment including third country	0	10	20	0
	Number of suppliers	0	5	10	0
Movements off					
	Frequency of movements off <u>within</u> MSS Management Areas	0	1	2	0
	Frequency of movements off <u>outwith</u> MSS Management	U	'		$\vdash$ $\vdash$ $\vdash$ $\vdash$
	Areas	0	3	6	6
	Number of destinations	0	3	6	6
			Secure	Unsecure	
Management practices		None	(effluent treatment)	(no effluent treatment)	
Water contacts with		None	treatment)	treatment)	
depuration facilities	Depuration of stock from own sites within MSS				l 1
	management area	0	1	2	0
	Depuration of stock from other businesses sites within		_		
	MSS management area	0	2	6	0
	Depuration of stock from sites outwith MSS management area	0	4	8	0
	urcu		-		ـــــــــــــــــــــــــــــــــــــــ
Biosecurity	Number of sites	1	2 or 3	≥ 4	
Contacts with other	Sites operating from single shorebase	0	1	2	1
sites	Sites sharing staff and equipment	0	1	5	1
			Yes	No	
	Disinfection of equipment between sites, use of footbath	ıs etc	0	2	2
	Biomicotion of equipment between sites, use of feetbath				
	Bioline and a squipment settled reads, use of recusaring		Tetal		
	Bioliniostion of equipment section eneo, upo et locisatin		Total Risk		29 MEDIUM

Case No:	2023-0387			Date of visit:	30/08/2023			
Site No:	SS0526	l		Inspector:		ı		
Results Summary	Freq.			Da	te of Notifica	tion		
,	·	Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Insp
Report Summary								
Case Type ECI	Date	Insp	2 <sup>nd</sup> Insp					
ECI	06/11/2023							



### SUMMARY FOR INFORMATION OF SITE OPERATOR

 Business No
 SB0337
 Date of Visit
 30/08/2023

 Site No
 SS0526
 Site Name
 Grink Holm

 Case No
 20230387
 Inspector

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

The above site was inspected, in accordance with the Aquatic Animal Health (Scotland) Regulations 2009.

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

### Records

The surveillance frequency category of the site was assessed as medium. An inspection under the Aquatic Animal Health (Scotland) Regulations 2009 will be conducted every second year. The category of the site will be reassessed on a routine basis and updated as required.

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

Aquaculture animal and aquaculture animal product movement records were inspected and appeared to be adequately maintained.

Mortality records were inspected and found to be adequately maintained.

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

Signed: Fish Health Inspector

FHI 059, Version 13		Issued by: FHI	Date of issue: 12/05/2020
Case No: 2023-0401			Date of visit: 30/08/2023
Time spent on site:	hour	Main Inspecto	or:
Site No: SS0541 Business No: SB0447	Site Name: Business Name:	North of Linga, Vaila Sound SI Seafarms Ltd	
Case Types: 1 ECI 2	2 3	4 5	6
Water Temp (°C): 13.2	Thermometer No:	T306	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 infor	mation/clinical score sheet. mation/clinical score sheet. mation/clinical score sheet.
UNI/REG only - if unable to carry	out intended visit deta	il reason below:	

Site inspection completed by on 30/08/2023. Paperwork completed by

No issues observed, limited fouling on lines and site was well maintained.

FHI 059, Version 13			Issu	ued by: FHI			Date of issu	e: 12/05/2020
Case No:	2023-0401	j	Site No:	SS0541	]			
Date of Visit:		30/08/2023	1		Inspector(s):			ı
Registration/Author	risation Deta	ails						_
1. Business/site deta		checked by s	ite represent	ative?			Υ	
2. Changes made to	details?						N	]
Site Details (includ	le cleaner fis	h for all sect	ions)					
Total No facilities		6	Facilities sto	ocked	6	No facilitie	s inspected	6
Species	MED						T .	
Age group	2020							
No Fish	300 T							
Mean Fish Wt	55 mm							
Next Fallow Date (S		No Plan		Next Input Da	ate (Site)	August 202	23	
Recent (last 4 wks)	disease probl	ems?		N	Any escapes	(since last	visit)?	N
If yes, detail:								
<ol> <li>Are records comp</li> <li>Are movement re</li> <li>Are records comp</li> <li>Are health certific</li> </ol> Transport Records <ol> <li>Are any movement</li> <li>yes, is there a sys</li> </ol>	cords availab plete and corre ates for introd s nts carried ou	le for dead fis ectly entered? ductions (outw t by (or on be	sh and waste? ? vith GB) avail half) of the bu	able? usiness (not us				N/A N/A N/A
Mortality Records								
1. Mortality records	available for i	nspection?						Y
2. How are mortalitie	es disposed o	f?			Other (detail	)		
If other detail:		fall to seabed						
3. Mortality records	complete and	correctly ent	ered?					Y
4. Recent mortality (	•		No observed	d mortality				
<ol><li>Evidence of recer</li></ol>								N
If yes, facility nos/no	mortality per	facility/no sto	ock per facility	//reason:				
								817.6
6. Any other peaks i	n mortality du	ring period cr	necked?					N/A
If yes, detail:				a wat ay FI IIO				NI/A
7. Have increased (	unexplained)	nortalities be	en reported to	o vet of FHI?				N/A
If yes, detail action:	onto' boon	ported to EUI	2 If no onter	dotaile en man	tality avanta al	hoot		NI/A
8. Have 'mortality ev	rents been re	ported to FHI	r ii no, enter	details on mor	tailty events si	neet.		N/A

_ , , ,		
Treatments and Medicines Records		
1. Recent treatments (see comment)?		
If yes, detail:		
If other, detail:		
2. Medicines records available for inspection?		
3. Are records complete and correctly entered?		
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 inspection?		Y
2. Has the manner and frequency of mortality removal, recording	•	Y
3. Has the manner and period in which the APB will notify Scott	sh Ministers or veterinary professional of any	
increased (unexplained) mortality at the site been included?		Y
4. Has the action that will be taken in the event that the present		
is detected been included and how and when that will be notified		Y
5. Has the health status of aquaculture animals being stocked of	n the farm site been covered (equal or higher	Y
health status, certification if required)?		
		V
6. Have the husbandry and biosecurity measures implemented		Y
transmission of disease been covered (movement of staff, visite		V
7. Is documentation available regarding the measures in place to	o maintain the physical containment of	1
aquaculture animals held on site?		V
8. Have the biosecurity procedures been adequately implement	ed on site?	Y
If no, detail:		
Results of Surveillance		
1. Has any animal health surveillance been carried out by, or or	behalf of, the business?	N
2. If yes, are results available for inspection?		
3. Any significant results?		
If yes, detail (if not detailed under recent disease problems).		
Records checked between: 05	/11/2018 - 30/08/2023	

FHI 059, Version 13	Issued by: FHI			Date	of issue: 12
Case Number:	2023-0401 Site No:	SS054	1		
Date of ∀isit	30/08/2023 Inspector:			l	
Number of Susceptil	ole species on site				
	ies present = <u>LOW</u> risk		Na	Vaa	
If susceptible species	present, score for each pathogen		No	Yes	
	Susceptible to Bonamia ostrea (OED)		0	25	0
	Susceptible to Marteilia refringens (OED, MED)		0	3	3
	Susceptible to OsHV (CGI)		0	3	0
Sites within a tidal e	xcursion	1	2-5	>6	
Site contacts	Number of sites holding susceptible species within a tidal				
	excursion	0	2	10	10
Live shellfish moven	nents	0	1-2	>3	
Movements on	Frequency of movements on from equivalent MS	0	5	10	U
	Frequency of movements on from equivalent zone or				
	compartment including third country	0	10	20	0
	Number of suppliers	0	5	10	0
Movements off	Frequency of movements off within MSS Management				
	Areas	0	1	2	0
	Frequency of movements off <u>outwith</u> MSS Management	_		6	ا ہ ا
	Areas Number of destinations	0	3	6	<u>6</u> 3
	Transcript describing				سنسا
			Secure	Unsecure	
Management			(effluent	(no effluent	
practices		None	treatment)	treatment)	
Water contacts with depuration facilities	Depuration of stock from own sites within MSS management area	0	1	2	0
	Depuration of stock from other businesses sites within	-			<del>⊢</del>
	MSS management area	0	2	6	0
	Depuration of stock from sites outwith MSS management	_			
	area	0	4	8	0
Biosecurity	Number of sites	1	2 or 3	≥ 4	
Contacts with other	Sites operating from single shorebase	0	1	2	1
sites	Sites sharing staff and equipment	0	1	5	1
			Yes	No	
	Disinfection of equipment between sites, use of footbath	s etc	0	2	2
			Total		26
			Total Risk		26 MEDIUM

O N	2000 0404				00/00/0000			
Case No:	2023-0401			Date of visit:	30/08/2023			
Site No:	SS0541	1		Inspector:		1		
Results Summary	Freq.	D-4-b	II	Da	te of Notifica	tion	II	l ad
		Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Insp
Poport Cummon				1				
Report Summary Case Type ECI	Data	lnen	and I					
Case Type FCI	Date 06/11/2023	Insp	2 <sup>nd</sup> Insp					
LOI	00/11/2023							



### SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS NO SB0430 DATE OF VISIT 30/08/2023

SITE NO SS0541 SITE NAME North of Linga, Vaila Sound INSPECTOR

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

The above site was inspected, in accordance with the Aquatic Animal Health (Scotland) Regulations 2009.

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

### Records

The surveillance frequency category of the site was assessed as medium. An inspection under the Aquatic Animal Health (Scotland) Regulations 2009 will be conducted every second year. The category of the site will be reassessed on a routine basis and updated as required.

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

Aquaculture animal and aquaculture animal product movement records were inspected and appeared to be adequately maintained.

Mortality records were inspected and found to be adequately maintained.

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

Signed:

Fish Health Inspector

FHI 059, Version 13		Issued by: FHI	Date of issue: 12/05/2020
Case No: 2023-0402			Date of visit: 30/08/2023
Time spent on site:	hour	Main Inspecto	r:
Site No: SS0652 Business No: SB0447	Site Name: Business Name:	Riskness SI Seafarms Ltd	
Case Types: 1 ECI 2	3	4 5	6
Water Temp (°C): 13.2	Thermometer No:	T306	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 infor	mation/clinical score sheet. mation/clinical score sheet. mation/clinical score sheet.
UNI/REG only - if unable to carry	out intended visit deta	ail reason below:	

Site in good condition. Some fowling on lines, but overall, good growth and stock in good condition.

Site inspection carried out by 30/08/2023, paperwork by 30/08/2023

FHI 059, Version 13			Issu	ied by: FHI			Date of issu	ie: 12/05/2020
Case No:	2023-0402	l	Site No:	SS0652	2			
Date of Visit:		30/08/2023	3		Inspector(s):			ı
Registration/Author								_
1. Business/site deta		checked by s	ite represent	ative?			Y	]
2. Changes made to	details?						Y	J
Site Details (includ	le cleaner fis	h for all sect	ions)					
Total No facilities		3	Facilities sto	ocked	3	No facilitie	s inspected	3
Species	MED							
Age group	Mix							
No Fish	3 lines							
Mean Fish Wt	10-30mm							
Next Fallow Date (S	ite)	never fallow		Next Input Da	ate (Site)	Natural sp	at fall	
Recent (last 4 wks)	disease probl	ems?		N	Any escapes	(since last	visit)?	N/A
If yes, detail:								
Movement Records	S							
1. Movement record	s available fo	r inspection?						Y
2. Date of last inspe	ction:						05/11/2018	
3. Are records complete and correctly entered?								Y
4. Are movement records available for dead fish and waste?							N/A	
<ol><li>Are records comp</li></ol>		•						N/A
6. Are health certific	ates for introd	luctions (outw	vith GB) avail	able?				N/A
Transport Records	<b>;</b>							
1. Are any movements carried out by (or on behalf) of the business (not using a STB)?								
If yes, is there a system in place for maintenance of transportation records?								
Mortality Records								
1. Mortality records available for inspection?  Improve the second of t							Y	
2. How are mortalities disposed of?  Other (detail)								
If other detail: Empty shells to sea bed								
3. Mortality records complete and correctly entered?								Y
4. Recent mortality (last 4 wks): No observed increased mortality								
5. Evidence of recent increased/atypical mortalities?							N	
If yes, facility nos/no mortality per facility/no stock per facility/reason:								
6. Any other peaks in mortality during period checked?							N/A	
If yes, detail:							NI/A	
7. Have increased (unexplained) mortalities been reported to vet or FHI?  If yes, detail action:								N/A
	onto' boon ro	ported to EUI	2 If no onter	dotaile on mar	tality avanta al	hoot		NI/A
8. Have 'mortality events' been reported to FHI? If no, enter details on mortality events sheet.							N/A	

Treatments and Medicines Decords							
Treatments and Medicines Records	_						
1. Recent treatments (see comment)?							
If yes, detail:							
If other, detail:							
2. Medicines records available for inspection?	_						
3. Are records complete and correctly entered?	_						
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 inspection?		Y					
Has the manner and frequency of mortality removal, recording and safe disposal been considered?							
3. Has the manner and period in which the APB will notify Scottish Ministers or veterior	nary professional of any						
increased (unexplained) mortality at the site been included?		Y					
4. Has the action that will be taken in the event that the presence or suspicion of the							
is detected been included and how and when that will be notified to Scottish Ministers?							
5. Has the health status of aquaculture animals being stocked on the farm site been covered (equal or higher							
health status, certification if required)?							
		V					
6. Have the husbandry and biosecurity measures implemented between each epidemiological unit to minimise							
transmission of disease been covered (movement of staff, visitors, equipment, live or dead fish etc.)?							
7. Is documentation available regarding the measures in place to maintain the physical containment of							
aquaculture animals held on site?							
8. Have the biosecurity procedures been adequately implemented on site?		Y					
If no, detail:							
Results of Surveillance							
1. Has any animal health surveillance been carried out by, or on behalf of, the business?							
2. If yes, are results available for inspection?							
3. Any significant results?							
If yes, detail (if not detailed under recent disease problems).							
Records checked between: 05/11/2018 - 30/08/202	3						

FHI 059, Version 13	Issued by: FHI			Date	of issue: 12	
Case Number:	2023-0402 Site No:	SS065	2			
Date of ∀isit	30/08/2023 Inspector:			l		
Number of Susceptib	ole species on site					
	ies present = <u>LOW</u> risk			.,		
If susceptible species	present, score for each pathogen		No	Yes		
	Susceptible to Bonamia ostrea (OED)		0	25	0	
	Susceptible to Marteilia refringens (OED, MED)		0	3	3	
	Susceptible to OsHV (CGI)		0	3	0	
Sites within a tidal ex	1	2-5	>6			
Site contacts	Number of sites holding susceptible species within a tidal					
	excursion	0	2	10	10	
Live shellfish moven	nents	0	1-2	>3		
Movements on	Frequency of movements on from equivalent MS	0	5	10	U	
	Frequency of movements on from equivalent zone or					
	compartment including third country	0	10	20	0	
	Number of suppliers	0	5	10	0	
Movements off	Frequency of movements off <u>within</u> MSS Management Areas	0	1	2	0	
	Frequency of movements off <u>outwith</u> MSS Management Areas	0	3	6	6	
	Number of destinations	0	3	6	3	
			Secure	Unsecure		
Management practices		None	(effluent treatment)	(no effluent treatment)		
Water contacts with	Depuration of stock from own sites within MSS					
depuration facilities	management area	0	1	2	0	
	Depuration of stock from other businesses sites within					
	MSS management area	0	2	6	0	
	Depuration of stock from sites outwith MSS management					
	area	0	4	8	0	
Biosecurity	Number of sites	1	2 or 3	≥ 4		
Contacts with other	Sites operating from single shorebase	0	1	2	1	
sites	Sites sharing staff and equipment	0	1	5	1	
			Yes	No		
	Disinfection of equipment between sites, use of footbath	s etc	0	2	2	
Total						
			Total		26	
			Risk		MEDIUM	

		_				_			
Case No:	2023-0402			Date of visit:	30/08/2023				
Site No:	CCOCEO			l					
Sile IVO.	SS0652			Inspector:					
Results Summary	Freq.	Date of Notification							
	. 104.	Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Insp	
								2 1110	
Report Summary			nd						
Report Summary Case Type ECI	Date 00/44/2022	Insp	2 <sup>nd</sup> Insp						
ECI	06/11/2023								



### SUMMARY FOR INFORMATION OF SITE OPERATOR

Business No SB0430 Date of Visit 30/08/2023
Site No SS0652 Site Name Riskness
Case No 20230402 Inspector

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

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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.

Signed:

Fish Health Inspector