FHI 059, Version 13	Issue	ed by: FHI	Date of issue: 12/05/2020
Case No: 2023-0358			Date of visit: 15/08/2023
Time spent on site: 3r	nrs	Main Inspecto	r:
Site No:FS1331Business No:FB0125	Site Name: Business Name:	Lober Rock (SMH) Scottish Sea Farms Ltd	
Case Types: 1 REP 2	2 DIA 3	4 5	6
Water Temp (°C): 13.9	Thermometer No:	T152	FHI 045 completed
Observations:	Region: OR	Water type: S	CoGP MA: O-3
Dead/weak/abnormally behaving Clinical signs of disease observed Gross pathology observed? Diagnostic samples taken? UNI/REG only - if unable to carry	1?	Y If yes, see additional inform Y If yes, see additional inform Y	mation/clinical score sheet. nation/clinical score sheet. mation/clinical score sheet.

### FHI 059, Version 13 Additional Case Information:

Site was re-visited following consecutive weeks of increased mortality. Salmon came on from Barcaldine Smolt Unit (FS1328) and had been performing well this cycle up until wk28 2023.

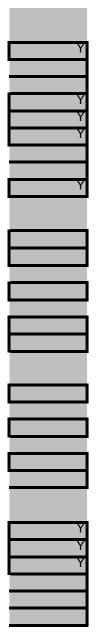
CMS and HSMI had been detected at the site earlier in the year but were not causing significant increases in mortality at that time. CMS, combined with environmental stress (low DO and presence of microjellies) has since been attributed to the cause of the increased mortality in wks28, 29 and 30.

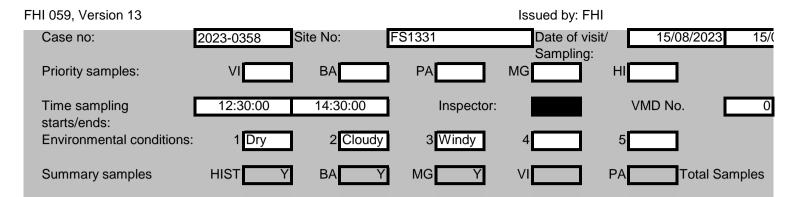
Site is destocking through harvests and site will be fallow by the end of August/beginning of September 23.

FHI 059, Version 13			Issue	ed by: FHI		Date of issue: 12/05/20	020
Case No:	2023-0358	]	Site No:	FS1331	)		
Date of Visit:		15/08/2023	]		Inspector(s):		
Registration/Autho	risation Deta	ails					
1. Business/site deta	ails summary	checked by si	ite representa	tive?		Y	
2. Changes made to	details?					Ν	
Site Details (includ	e cleaner fis	h for all secti	ions)				
Total No facilities		12	Facilities sto	cked	7	No facilities inspected	
Species	SAL						
Age group	21 S0						
No Fish	106,771						
Mean Fish Wt	6.5kg						
Next Fallow Date (S	,	August 23		Next Input Da	<b>•</b> • • •	October 23	
Recent (last 4 wks)	-	ems?		Y	Any escapes	(since last visit)?	
If yes, detail:	CMS, HSMI						
Movement Records	5						
1. Movement record		r inspection?					
2. Date of last inspe						14/06/2023	
3. Are records comp		•					
4. Are movement re							
5. Are records comp		•		11.0			
6. Are health certific	ates for introc	luctions (outw	ith GB) availa	DIe ?			
Transport Records							
1. Are any movement		t by (or on bel	half) of the bu	siness (not usi	ng a STB)?		
If yes, is there a syst							
Mortality Records							
1. Mortality records a	available for i	aspection?					
2. How are mortalitie		•			Other (detail		
	· · · · · · · · · · · · · · · · · · ·		sealed bins to	shorebase wh		, plifted in bulkers to Keen	
If other detail:	ensiling.						
3. Mortality records of	complete and	correctly ente	ered?				
			Wk32: 470 (	0.44%), Wk31:	: 506 (0.37%)	, Wk30: 9,097 (6,2%), W	
4. Recent mortality (	· ·			28: 3,394 (2.06	%)		
5. Evidence of recen							
If yes, facility nos/no	, ,	,					
				ned with low D	O and presen	ce of microjellies at site.	
6. Any other peaks in If yes, detail:	n mortality du	ring period ch	ecked?				
7. Have increased (	(nevrolained)	mortalities hou	an reported to	vet or FHI2			
If yes, detail action:	inexplained)	nontainties bee					
8. Have 'mortality ev	ents' heen re	ported to FHI	2 If no enter (	letails on mort	ality events ch	peet	
o. Have monality ev	Shie beenne				any evente si		

<b>Treatments and Medi</b>	icines Records
1. Recent treatments (s	see comment)?
If yes, detail:	Optomease
If other, detail:	
	available for inspection?
	te and correctly entered?
4. Are fish in a withdray	
5. If yes, what treatmer	nt(s)? Optomease
If other, detail:	
6. Are medicines stored	d appropriately?
Biosecurity Records	
•	available for inspection?
•	d frequency of mortality removal, recording and safe disposal been considered?
	d period in which the APB will notify Scottish Ministers or veterinary professional of any ad) mortality at the site been included?
· · ·	· ·
	will be taken in the event that the presence or suspicion of the presence of a listed disease ded and <i>how</i> and <i>when</i> that will be notified to Scottish Ministers?
	is of aquaculture animals being stocked on the farm site been covered (equal or higher
health status, certificati	
6. Have the husbandry	and biosecurity measures implemented between each epidemiological unit to minimise
-	be been covered (movement of staff, visitors, equipment, live or dead fish etc.)?
	/ailable regarding the measures in place to maintain the physical containment of
aquaculture animals he	
•	y procedures been adequately implemented on site?
If no, detail:	
<b>Results of Surveilland</b>	ce
1. Has any animal heal	Ith surveillance been carried out by, or on behalf of, the business?
2. If yes, are results av	vailable for inspection?
3. Any significant result	ts?
If yes, detail (if not deta	ailed under recent disease problems).
Re	ecords checked between: 14/06/23 - 08/08/23







### Add Fish/Pools - click

	Pool/Fish No	F1	F2	F3	F4	F5				
	Fish nos	1	2	3	4	5				
	Pool Group	P1	P2	P3	P4	P5				
	Species	SAL	SAL	SAL	SAL	SAL				
		6.5kg	6.5kg	6.5kg	6.5kg	6.5kg				
	Sex	N/A	N/A	N/A	N/A	N/A				
	Water Type	SW	SW	SW	SW	SW				
Stock Details	Stock Origin Facility No	Barcaldine Smolt Unit FS1328	b Barcaldine Smolt Unit FS1328	<ul> <li>Barcaldine Smolt Unit FS1328</li> </ul>	Barcaldine Smolt Unit FS1328	Barcaldine Smolt Unit FS1328				
S.	Facility NO	3	3	8	8	12				

)8/2023	8/2023 Additional Sample Information:												
	Dispato	ched by⊺	percuss	ive blow	Ι.								
5		Total To	ests ass	signed	3								

FHI 059, Version 13				lss	ued by:	FHI		Date of issue: 12/05/				)5/2(	
Case no:	2023-0358		Site No: FS1331			1	Method of killing: Percussive					]	
Date of visit:	15/08/202	23		Inspec	tor(s):				5	Sheet Re	elevant:	Y	1
						L			Sheet Relevant: Y				
	nce: M for medium presence: W for				11-3	11-4	11-6		1	1			4
Fish Number	ar death (if a AF minutes)	F1		F2	F3	F4	F5						
External Signs	er death (if > 45 minutes)	_						_					-
Behaviour	Moribund	S		S	м	S	S						
Donaviour	Lethargic			-	M	-	-						
	Hanging vertical												
	Spiralling												1
	Flashing												
	Loss of equilibrium												
Body	Dark												
	Distended abdomen	S		S		S	S						
	Anorexic Scale Oedema	3		3		3	3						
Opercula	Shortened												1
operedia	Flared												1
Haemorrhaging	Throat												1
	Ventrum					W							1
	Base of fins												
	Elsewhere					М							1
Eyes	Exophthalmic												4
	Enophthalmic (sunken)					S	S						1
	Cataract					3	3	-					4
Gills	Haemorrhagic Pale	M		S	w	м	М						
GIIIS	Zoned			0	••								1
	Necrotic	M		Μ		М	S						
Lesions	Flank												1
	Elsewhere												
Vent	Inflamed												
	Trailing faeces												
Lice Load	Estimate numbers	_	6	14	3		19						
Internal Signa		_											-
Internal Signs Ascites	Clear	_		W		w	w						
Astres	Bloody	-		••									1
Oedema	In tissues												
Heart	Pale/anaemic	М		М	W	М	М						1
	Granulomas												
	Deformed												
Liver	Petechial haem												
	Gross haem												
	Tissue breakdown	_											-
	Enlarged Colour number(s)		5	4	5	3	2						1
	Granulomas		-	-	-	-							1
	Lesions												1
Pyloric caeca	Petechial haem												1
	Tubules mauve												
	Lack of fat	W		S		S	S						1
Spleen	Enlarged				W								4
Cut	Granulomas	S											1
Gut	No food present Yellow pseudo-faeces	3		М		S	М	-					4
	External haem					<u> </u>							1
	Internal haem												1
Body wall	Haemorrhaging												1
Swim bladder	Haemorrhaging												1
	Fluid filled												
Kidney	Swollen												1
	Grey												4
	Granular												-
General	Liquefied Parasites present												-
General	Parasites present Anaemia												
	Allacinia												

Issued by: FHI	
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Date of visit:

ļ

15/08/2023

S for strong presence:	M	for medium	presence:	W	for	۷
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	ence: M for medium presence: W fo			1	1	1	1	1	1	1
Fish Number										
	fter death (if > 45 minutes)									
External Signs										
Behaviour	Moribund									
	Lethargic									
	Hanging vertical									
	Spiralling									
	Flashing									
	Loss of equilibrium									
Body	Dark									
Douy	Distended abdomen									
	Anorexic									
	Scale Oedema		-							
Omeneule		_	-							
Opercula	Shortened									
	Flared	_								
Haemorrhaging	Throat									
	Ventrum									
	Base of fins									
	Elsewhere									
Eyes	Exophthalmic									
	Enophthalmic (sunken)									
	Cataract									
	Haemorrhagic									
Gills	Pale									
	Zoned									
	Necrotic									
Lesions	Flank									
	Elsewhere									
Vent	Inflamed	_								
VCIIC	Trailing faeces									
Lice Load	Estimate numbers		-							
LICE LOAD	Estimate numbers									
lesteres et Oleres e										
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									
opicoli	Granulomas		-							
Gut	No food present									
Sut										
	Yellow pseudo-faeces									
	External haem									
De de la	Internal haem									
Body wall	Haemorrhaging									
Swim bladder	Haemorrhaging									
	Fluid filled									
Kidney	Swollen									
	Grey									
	Granular									
	Liquefied									
General	Parasites present									
	Anaemia									

Site No: FS1331

Case No: 2023-0358

Nature of non-compliance:

Action taken (FHI):

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

Case No:	2023-0358	]		Date of visit:	15/08/2023	]		
Site No:	FS1331	]		Inspector:		I		
Results Summary	Freq.				te of Notifica			
		Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Insp
MG_AGDQ	0/5	22/08/2023		24/08/2023		24/08/2023		
MG_IHNQ	0/5	22/08/2023		24/08/2023		24/08/2023		
MG_IPN	0/5	22/08/2023		24/08/2023		24/08/2023		
MG_ISA	0/5	22/08/2023		24/08/2023		24/08/2023		
MG_PARA_THER_Q	2/5	22/08/2023		24/08/2023		24/08/2023		
MG_PMCV	5/5	22/08/2023		24/08/2023		24/08/2023		
MG_SAL_POX	1/5	22/08/2023		24/08/2023		24/08/2023		
MG_SAV	2/5	22/08/2023		24/08/2023		24/08/2023		
MG_VHS	0/5	22/08/2023		24/08/2023		24/08/2023		
Cardiomyopathy syndrome (histology) - CMPS	4/5	01/09/2023		01/09/2023		01/09/2023		
Heart pathology - HPAT	4/5	01/09/2023		01/09/2023		01/09/2023		
Salmonid alphavirus (SAV) (histology) - SALH	1/5	01/09/2023		01/09/2023		01/09/2023		
CGDH	4/5	07/09/2023		07/09/2023		07/09/2023		
Depart Summary								
Report Summary	_		nd					
Case Type	Date	Insp	2 <sup>nd</sup> Insp					

Report Summary			
Case Type	Date	Insp	2 <sup>nd</sup> Insp
REP, DIA	07/09/20	023	
	_		



# FISH HEALTH INSPECTORATE VISIT REPORT

### SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS No FB0125 SITE NO FS1331 CASE NO 20230358

DATE OF VISIT 15/08/2023 SITE NAME Lober Rock (SMH) INSPECTOR

### Section 1: Summary

The site was inspected due to recent mortality reports above the reporting threshold, all attributed to viral disease. Five fish were selected for diagnostic sampling.

Histopathological examination revealed features consistent with mild hyperplasic branchitis and cardiomyopathy syndrome (CMS). One fish also displayed features resembling the presence of salmonid alphavirus (SAV). Salmonid alphavirus (SAV) and piscine myocarditis virus (PMCV) were confirmed by qPCR. Fish also displayed features of osmotic imbalance and cachexia.

Paranucleospora theridion, and salmon gill poxvirus were also detected by qPCR.

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

R09

Lober Rock (SMH) was inspected due to recent, consecutive mortality reports above the reporting criteria, all attributed to viral disease and which resulted in the loss of 16,553 fish in a 4-week period. At the time of inspection, the site was stocked with 106,771 S0 Atlantic salmon at an average weight of 6.5kg originating from the Barcaldine Smolt Unit (FS1328). All cages were inspected and mortalities and moribund fish were observed in the majority of cages on site. Five moribund fish were removed from cages 3, 8 and 12 for diagnostic sampling.

All five fish were moribund and 4/5 fish were anorexic. Haemorrhaging was noted on the ventral surface and flank of F4. Cataracts were observed in the eyes of F4 and F5. The gills of all five fish were pale and necrosis of the gills was noted in F1-2 and F4-5. Internally, F2, 4 and 5 had clear ascites in the body cavity and all five fish had pale/anaemic hearts. There was an obvious lack of fat surrounding the pyloric caeca of F1-2 and F4-5, and the spleen of F3 was enlarged. No food was present in the gut of F1 and yellow pseudo-faeces were present in the guts of F2, 4 and 5.

## Samples

Fish number	Facility number	Species	Stage	Origin
F1-2	3	Atlantic salmon	21 S0	Barcaldine Smolt Unit (FS1328)
F3-4	8	Atlantic salmon	21 S0	Barcaldine Smolt Unit (FS1328)
F5	12	Atlantic salmon	21 S0	Barcaldine Smolt Unit (FS1328)

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

### <u>Results</u>

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

No significant bacteria were isolated.

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

Endogenous Fish control Cp Cp Values Reported Result (PCR) Number value F1 16.47 31.23 31.09 30.68 POSITIVE F2 16.63 29.17 POSITIVE 30.00 29.50 F3 16.95 27.22 26.75 26.81 POSITIVE F4 17.32 30.26 29.11 30.17 POSITIVE F5 17.32 26.17 25.97 26.63 POSITIVE

Piscine myocarditis virus (CMS)

Salmon gill poxvirus (SGPV)

Fish Number	Endogenous control Cp value		Cp Values		Reported Result (PCR)		
F1	-	-	-	Negative			
F2	-	-	-	-	Negative		
F3	19.72	34.91 35.13		35.96	POSITIVE		
F4	-	-	-	-	Negative		
F5	-	-	-	-	Negative		

R09

Salmonid alphavirus (SAV)

Fish Number	Endogenous control Cp value		Cp Values	Reported Result (PCR)		
F1	-	-	-	-	Negative	
F2	-	-	-	-	Negative	
F3	16.95	28.49	29.02	28.84	POSITIVE	
F4	17.32	33.74	34.05	35.09	POSITIVE	
F5	-	-	-	-	Negative	

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

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

Fish Number	Endogenous control Cp value		Cp Values		Reported Result (PCR)			
F1	-	-	-	-	Negative			
F2	19.83	35.19	36.18	35.33	POSITIVE			
F3	19.72	34.98	36.33	35.36	POSITIVE			
F4	-	-	-	-	Negative			
F5	-	-	-	-	Negative			

Paranucleospora theridion

The samples tested negative for Neoparamoeba perurans (AGD).

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

Histopathological examination revealed the following:

<u>Gill:</u> Lamellar hyperplasia, very mild to mild, multifocal (F1, F2, F3, F4) with haemorrhage, (F2, F4) lamellar necrosis. F5 displayed one plankton-like structure between two gill filaments. Some aneurysmal dilation/telangiectasia (F1), free blood among gill filament (F3) and lamellar congestion observed in all fish (likely due to persecutive stunning).

Skin & Muscle: Skeletal white muscle necrosis, mild, multifocal (F2).

Heart: Myocarditis, minor, multifocal (F1, F2, F3) and moderate necrotising myocarditis (F5).

Gut and pyloric caeca: Reduced to absence of adipose tissues observed in all fish.

Pancreas: Within the normal range.

Liver: Some sinusoidal congestion (F5). Renal tubules with some epithelial vacuolation (F2).

Kidney: Increase number of melanomacrophage aggregates in all fish.

Spleen: Slightly to marked congestion in all fish.



Signed:

Date: 07/09/2023

Fish Health Inspector

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

FHI 059, Version 13	lssu	ied by: FHI	Date of issue: 12/05/2020
Case No: 2023-0359			Date of visit: 11/08/2023
Time spent on site:	)	Main Inspecto	pr:
Site No:FS0993Business No:FB0095	Site Name: Business Name:	Chalmers Hope Cooke Aquaculture Scotland L	td
Case Types: 1 INF	23	45	6
Water Temp (°C):	Thermometer No:		FHI 045 completed
Observations:	Region: OR	Water type: S	CoGP MA: O-3
Dead/weak/abnormally behaving Clinical signs of disease observe Gross pathology observed? Diagnostic samples taken?	ed?	If yes, see additional infor 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	ison below:	

### Additional Case Information:

IDN placed . Phonecall from business informing us of suspicion of the presence of BKD. FHI to visit 16/8/23.

Case No:	2023-0359			Date of visit:	11/08/2023	]		
Site No:	FS0993	]		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	Date	Insp	2 <sup>nd</sup> Insp					
no report	12/09/2023							

FHI 059, Version 13	lssu	ied by: FHI	Date of issue: 12/05/2020
Case No: 2023-0360			Date of visit: 16/08/2023
Time spent on site:	4hrs	Main Inspect	or:
Site No: FS0993 Business No: FB0095	Site Name: Business Name:	Chalmers Hope Cooke Aquaculture Scotland I	_td
Case Types: 1 REP	2 DIA 3 STI	4 5	6
Water Temp (°C): 13.9	Thermometer No:	T152	FHI 045 completed
Observations:	Region: OR	Water type: S	CoGP MA: O-3
Dead/weak/abnormally behaving Clinical signs of disease observed Gross pathology observed? Diagnostic samples taken? UNI/REG only - if unable to carry	ed?	<ul> <li>Y</li> <li>If yes, see additional info</li> <li>Y</li> <li>If yes, see additional info</li> <li>Y</li> </ul>	rmation/clinical score sheet. rmation/clinical score sheet. rmation/clinical score sheet.

### FHI 059, Version 13 Additional Case Information:

Salmon were moved from Fara West (FS1017) to Chalmers in Wk30. Mortality data is from input.

Salmon originated from Ardtaraig Hatchery (FS0648) and Yetts O' Muckart (FS0371) (mix of Stofinfisker and Aquagen). Yetts fish have been feeding and performing well. Few moribunds observed in the cages stocked with fish from Yetts (1-6). Cages stocked with fish from Ardtaraig (7-12) had high numbers of moribunds that were dark in colour, most exhibiting exopthalmia and some physical damage to flanks with visible haemorrhaging along the throat and ventrum. Fish were removed from these cages for diagnostic sampling.

Mortality events above reporting threshold:

Wks 48, 49, 51 and 52 2022 - all events attributed to poor gill health on site combined with environmental insult. Wk4 2023 - also attributed to poor gill health and environmental insult.

Wks48 and 49 mortality events were not reported as required. Mortality notifications for these weeks were submitted retrospectively, NFA.

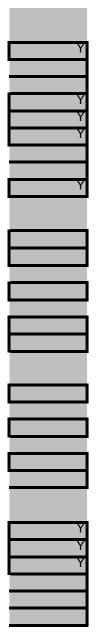
Last crop had a hydrolicer treatment in March/April 2022, followed by a thermolicer treatment in April 22. Current crop have only had a Salmosan treatment in July following transfer from Fara West and Tricaine for sea lice counts and sampling.

Last crop were dead haul, harvested out by 21st June 23.

FHI 059, Version 13			Issu	ed by: FHI			Date of issue: 12/05/2020
Case No:	2023-0360	]	Site No:	FS0993	3		
Date of Visit:		16/08/2023	3		Inspector(s):		
Registration/Autho	orisation Det	ails					
1. Business/site deta	ails summary	checked by s	ite representa	tive?			Y
2. Changes made to	o details?						Y
Site Details (includ	le cleaner fis	sh for all sect	ions)				
Total No facilities		12	Facilities sto	cked	12	No facilitie	s inspected
Species	SAL	1					
Age group	2022 S0	1					
No Fish	482,788						
Mean Fish Wt	1.6kg						
Next Fallow Date (S		June 24	•	Next Input Da	ate (Site)	August 24	
Recent (last 4 wks)	•	lems?			Any escapes		
If yes, detail:	Suspected				_ · ·	X	
Movement Decend							
Movement Records							
1. Movement record		or inspection?					01/03/2022
<ol> <li>Date of last inspe</li> <li>Are records comp</li> </ol>		roothy optorod	)				01/03/2022
4. Are movement re		•					
5. Are records comp				blo <sup>2</sup>			
6. Are health certific			nui GD) avalla				
Transport Records							
1. Are any movement		ut by (or on be	half) of the bu	siness (not usi	ng a STB)?		
If yes, is there a sys							
Mortality Records							
1. Mortality records	available for	inspection?					
2. How are mortalitie		•			Other (detail	)	
	· · · · · · · · · · · · · · · · · · ·		transferred in	sealed bins to	,	/	loaded onto a
If other detail:				transferred to		•	
3. Mortality records					1 olagia tor ol	loining.	
4. Recent mortality (	•	· · · · · · · · · · · · · · · · · · ·		(0.3%), Wk31	· 2593 (0.52%	Wk30:50	0 (0.01%)
5. Evidence of recer	` '	atvoical morta		(0.070), 11101	. 2000 (0.0270	<i>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</i>	
If yes, facility nos/no				reason:			
,,							
6. Any other peaks i	n mortality du	uring period ch	necked?				
				1.2% (4,990),	Wk51: 1.22%	(5.143). W	k49: 1.19% (2
If yes, detail:		% (4,432), Wł				(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
7. Have increased (							
If yes, detail action:	,						
8. Have 'mortality ev	vents' been re	eported to FHI	? If no, enter o	details on mort	ality events sh	neet.	

Treatments and Medicines Records
1. Recent treatments (see comment)?
If yes, detail: TMS
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)? TMS
If other, detail:
6. Are medicines stored appropriately?
Biosecurity Records
1. Biosecurity records available for inspection?
2. Has the manner and frequency of mortality removal, recording and safe disposal been considered?
3. Has the manner and period in which the APB will notify Scottish Ministers or veterinary professional of any
increased (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).
Records checked between: 01/03/2022 - 16/08/23



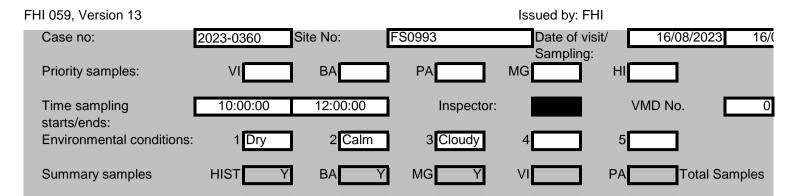


Issued by: FHI

Case No: 2023-0360 Site No: FS0993 Date of visit: 16/08/2023

Start date:	End date: (if applicable)	Size of fish:	Average weight of affected population:	Species:	Yearclass (SW SAL only):	Timescale	Mortality rate recorded(%):	Explained/ unexplained:	If explained, select reason(s):
28/11/22	04/12/2022	≥750g	2/1kg	SAL	S0	Weekly	1.91	Explained	Gill issues, Jellyfish
28/11/22	04/12/2022	≥750g	2/1kg	SAL	S0	Weekly	1.19	Explained	Gill issues, Jellyfish

Not provided Not provided	inspection. Business reminded of requirement to report mortality events that exceed the reporting thresholds. NFA.	2022
Not provided	Historic event picked up during routine inspection. Business reminded of requirement to report mortality events that exceed the	



### Add Fish/Pools - click

	Pool/Fish No	F1	F2	F3	F4	F5				
	Fish nos	1	2	3	4	5				
	Pool Group	P1	P2	P3	P4	P5				
	Species	SAL		SAL	SAL	SAL				
	Average weight	1.6kg	1.6kg	1.6kg	1.6kg	1.6kg				
	Sex	N/A	N/A	N/A		N/A				
	Water Type	SW	SW	SW	SW	SW				
Stock Details	Stock Origin Facility No	۲ Yetts O' Muckart FS0371	A Ardtaraig Hatchery FS0648	∞ Ardtaraig Hatchery FS0648	o Ardtaraig Hatchery FS0648	5 Ardtaraig Hatchery FS0648				
Š	Facility No	5	7	8	9	12				

)8/2023	023 Additional Sample Information:												
		sive blov											
													_
5		Total T	ests ass	signed	4								

FHI 059, Versic		Issued by: FHI					Date of issue: 12/05/2					
Case no:	2023-0360		Site No: FS0993					Method of killing: Percussive				
Date of visit:	16/08/20	)23	3 Inspector(s):					S	Sheet Re	elevant:	Y	1
	10/00/20	/20	Inspector(s): Sheet Relevant: Y									1
	nce: M for medium presence: W											
Fish Number		F1	F2	F3	F4	F5						
	er death (if > 45 minutes)											
External Signs Behaviour	Moribund	S	S	s	S	S						
Denavioui	Lethargic	-	•	-	•	•						
	Hanging vertical											
	Spiralling											
	Flashing											
	Loss of equilibrium											
Body	Dark		Μ	W	W	S						
	Distended abdomen	S										
	Anorexic	14/	S	М	S	S						
	Scale Oedema	W										
Opercula	Shortened											
Hoom our boots	Flared	w			w							1
Haemorrhaging	Throat Ventrum	W		w	**							
	Base of fins	W			w							1
	Elsewhere											1
Eyes	Exophthalmic	S	S	S	S	S						
	Enophthalmic (sunken)											1
	Cataract			W								
	Haemorrhagic				W							
Gills	Pale	S	S	S	S	S						
	Zoned											
	Necrotic	М	W	М	S	Μ						
Lesions	Flank											
	Elsewhere											
Vent	Inflamed	_										
Lice Load	Trailing faeces Estimate numbers	14	9	11	7	8					-	
		14	5			0						
Internal Signs												
Ascites	Clear	S			W							
	Bloody		W			W						
Oedema	In tissues											
Heart	Pale/anaemic	S	S	S	S	S						
	Granulomas											
	Deformed											
Liver	Petechial haem		W		W	М						
	Gross haem											1
	Tissue breakdown		М		м	M						4
	Enlarged		IVI		141	IVI						-
	Colour number(s) Granulomas				w							-
	Lesions											1
Pyloric caeca	Petechial haem					w						1
	Tubules mauve											1
	Lack of fat	S	W		w							1
Spleen	Enlarged		М	М		S						1
	Granulomas					W						]
Gut	No food present				Μ							
	Yellow pseudo-faeces	М	М	М		М						
	External haem											
	Internal haem											1
Body wall	Haemorrhaging											4
Swim bladder	Haemorrhaging											-
Kidney	Fluid filled Swollen		М	M		w						-
	Grey											1
	Granular		М									1
	Liquefied	W			w							1
General	Parasites present											1
	Anaemia											1

Case no:	2023-0360

Date of visit:

16/08/2023

Time sampled after desh (if > 45 minutes)         Image         Image <th>Eich Number</th> <th></th> <th>V</th> <th></th> <th>r</th> <th>r</th> <th></th> <th>1</th> <th>· · · · · ·</th>	Eich Number		V		r	r		1	· · · · · ·
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Behaviour         Moribund		er death (If > 45 minutes)							
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Hanging vertical         Image         Image <thimage< th="">         Image         Image</thimage<>	Behaviour								
Spiraling BabingSpiraling Loss of equilibriumSpira									
FlashingImage									
Loss of equilibriumImage: state of equili									
BodyDarkDistanded abdomenDistanded abdomenD									
Distended abdomen         Image: Section of the s									
Anoresic         Anoresic         Anoresic         Anoresic         Anoresic         Anoresic         Anoresic           Opercula         Shortened         Image         Image <t< th=""><td>Body</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	Body								
Scale Ocdema         Scale Ocdema<									
Operational         Shortened         No         No <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
FlandMath		Scale Oedema							
HaemornhagingIntractImageImag	Opercula	Shortened							
VentrumImageImageImageImageImageImageImageImageImageImageExerphinalImage<		Flared							
Base of fins         Image: state of the state of t	Haemorrhaging	Throat							
ElsewhereImage: set of the se		Ventrum							
EyesExophthalmic (sunken)Image: subscript (sunken)Image: subscript (sunken)Image: subscript (subscript		Base of fins		1					
Enophthalmic (sunken)         Image: Cataract         Imag									
Enophthalmic (sunken)         Image: Cataract         Imag	Eyes								
Cataract         Maemorhagic									
Hamorinagic         Image: Constraint of the sector of									
Gills         Pale         Image: Section of the sectio		•							
Zoned         Mecrotic         Metrotic         Metrotic <t< th=""><td>Gills</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	Gills								
Necrotic         Image: Constraint of the second secon				<u> </u>					
Lesions         Flank         Image         <				<u> </u>					
Elsewhere         Image: Constraint of the second seco	Lociana		-						
Vent         Inflamed         Image: Constraint of the second seco	Lesions			<u> </u>					
Trailing faces         Image: Constraint of the second	Manat								
Lice LoadEstimate numbersImage <th< th=""><td>vent</td><td></td><td></td><td><u> </u></td><td></td><td></td><td></td><td></td><td></td></th<>	vent			<u> </u>					
Internal SignsImage: constraint of the second s									
Ascites       Clear       Image: Source of the second seco	Lice Load	Estimate numbers							
Ascites       Clear       Image: Source of the second seco									
BloodyImage: segment of the segment of th									
OedemaIn tissuesImage: state sta	Ascites								
HeartPale/anaemicImage: second			_						
GranulomasImage: style									
DeformedImage: starting of the starti	Heart								
LiverPetechial haemImage: Color number (s)Image: Co									
Gross haemImage: Construction of the sector of		Deformed							
Tissue breakdownImageImageImageImageImageImageEnlargedImage	Liver								
EnlargedImageImageImageImageImageImageColour number(s)ImageImageImageImageImageImageImageImageGranulomasImageImageImageImageImageImageImageImageImagePyloric caecaPetechial haemImageImageImageImageImageImageImageImageTubules mauveImageImageImageImageImageImageImageImageImageImageSpleenEnlargedImage									
Colour number(s)Image: style		Tissue breakdown							
Colour number(s)Image: style		Enlarged							
GranulomasImage: sector of the se									
LesionsImage: style sty									
Pyloric caecaPetechial haemImage of the state of									
Tubules mauveImage: Constraint of the state o	Pyloric caeca								
Lack of fatImage <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
SpleenEnlargedIma									
GranulomasImage: selection of the selection of th	Spleen								
GutNo food presentImage: selection of the selection of th									
Yellow pseudo-faecesImage: sternal haemImage: sterna	Gut								
External haemImage: second				<u> </u>					
Internal haemImage: second									
Body wallHaemorrhagingImage: state of the state o									
Swim bladder       Haemorrhaging       Image: Constraint of the second s	Deducual								
Fluid filled       Image: Second									
Kidney       Swollen       Image: Swollen	Swim bladder			<u> </u>					
Grey       Image: Constraint of the second sec									
Granular     Image: Constraint of the second s	Kidney								
Liquefied									
	1								
General Parasites present									
Anaemia Anaemia	General	Parasites present							

Additional comments:

F1 very swollen and full of clear fluid in the body cavity.

F2 left eye had burst. White nodules very visible and widespread in kidney. White structures were noted in the heart of F2.

F4 white nodules observed on the liver and kidney.

F5 left eye had burst. White nodules observed on the spleen in addition to kidney.

Site No: FS0993

Case No: 2023-0360

Nature of non-compliance:

Action taken (FHI):

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

Case No:	2023-0360	Date of visit: 16/08/2023
Site No:	FS0993	Inspector:

Results Summary	Freq.	Date of Notification								
		Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Insp		
MG_ISA	0/5	22/08/2023		22/08/2023		22/08/2023				
MG_IHNQ	0/5	22/08/2023		22/08/2023		22/08/2023				
MG_VHS	0/5	22/08/2023		22/08/2023		22/08/2023				
MG_BKD	4/5	22/08/2023		22/08/2023		22/08/2023				
MG_PARA_THER_Q	5/5	22/08/2023		22/08/2023		22/08/2023				
MG_AGDQ	1/5	22/08/2023		22/08/2023		22/08/2023				
MG_SAL_POX	2/5	22/08/2023		22/08/2023		22/08/2023				
MG_SAV	0/5	22/08/2023		22/08/2023		22/08/2023				
MG_IPN	1/5	22/08/2023		22/08/2023		22/08/2023				
MG_PMCV	3/5	22/08/2023		22/08/2023		22/08/2023				
MG PRV	1/1	25/08/2023		25/08/2023		25/08/2023				
Yersinia ruckeri (ERM) - YRUK	1/5	30/08/2023		30/08/2023		30/08/2023				
No significant bacteria (culture) - NSIG	2/5	30/08/2023		30/08/2023		30/08/2023				
BKD Renibacterium salmoninarum (histo) - RSBA	5/5	30/08/2023		30/08/2023		30/08/2023				
Gill pathology - GPAT	5/5	30/08/2023		30/08/2023		30/08/2023				
Heart pathology - HPAT	5/5	30/08/2023		30/08/2023		30/08/2023				
Liver pathology - LPAT	3/5	30/08/2023		30/08/2023		30/08/2023				
Kidney pathology - KPAT	5/5	30/08/2023		30/08/2023		30/08/2023				
Skin pathology - SKIN	4/4	30/08/2023		30/08/2023		30/08/2023				
Salmonid alphavirus (SAV) (histology) - SALH	5/5	30/08/2023		30/08/2023		30/08/2023				
L										

Date	Insp	2 <sup>nd</sup> Insp
07/09/2023		
		25/08/2023



# FISH HEALTH INSPECTORATE VISIT REPORT

### SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS No FB0095 SITE NO FS0993 CASE NO 20230360

DATE OF VISIT 16/08/2023 SITE NAME Chalmers Hope INSPECTOR

### Section 1: Summary

The site was inspected following notification by the business of suspicion of the presence of bacterial kidney disease (BKD). Five fish were selected for diagnostic sampling.

Histopathological examination revealed features consistent with bacterial kidney disease (BKD). confirmed by qPCR. Some features resembled the presence of cardiomyopathy syndrome (CMS), also confirmed by qPCR. Although qPCR was negative for salmonid alphavirus (SAV), some features resembling SAV were observed. Some mild hyperplasic branchitis was also observed.

Infectious pancreatic necrosis (IPN), piscine reovirus, Neoparamoeba perurans (AGD), Paranucleospora theridion, and salmon gill poxvirus were all detected by gPCR.

Yersinia ruckeri was identified on plates taken from kidney material of fish 2. Although this is a primary fish pathogen the level and purity of growth would not suggest this bacterium would be implicated as the primary source of morbidity in this case.

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

Chalmers Hope was inspected following notification by the business for the suspected presence of bacterial kidney disease (BKD) on the site. At the time of inspection, the site was stocked with 482,788 S0 (2022) Atlantic salmon at an average weight of 1.6kg, originating from both Ardtaraig Hatchery (FS0648) and Yetts O' Muckart (FS0371) and no mortality events exceeding the reporting threshold had been experienced at the site. The last mortality event that exceeded the reporting threshold was at the beginning of December 2022. All cages were inspected and mortalities and moribund fish were observed across the site, but were significantly higher in cages 7-12. Five moribund fish were removed from cages 5, 7, 8, 9 and 12 for diagnostic sampling.

All five fish were moribund and 4/5 fish were dark in colour. F1 had a distended abdomen, while F2-5 were anorexic. Scale pocket oedema was noted on F1. Haemorrhaging was observed in the eyes of F4 and cataracts were observed in the eyes of F3. The eyes of F2 and F5 had burst. All five fish had pale gills that were in varying stages of necrosis.

Internally, clear ascites was observed in F1 and F4, while bloody ascites was noted in F2 and F5. The hearts of all five fish were pale/anaemic. The livers of F2, 4 and 5 exhibited petechial haemorrhaging and were enlarged, while the liver of F4 was granular in texture.

Petechial haemorrhaging was observed in the pyloric caeca (PC) of F5 and there was an obvious lack of fat on the PC of F1, 2 and 4. The spleens of F2, 3 and 5 were enlarged and granulomas were also noted on the spleen of F5. No food was present in the gut of F4 and yellow pseudo-faeces were noted in the guts of F1, 2, 3 and 5. The kidneys were swollen in F2, 3 and 5 and were liquefied in F1 and 4. Granulomas were also observed on the kidney of F2.

### Samples

Fish number	Facility number	Species	Stage	Origin
F1	5	Atlantic salmon	2022 S0	Yetts O' Muckart (FS0371)
F2	7	Atlantic salmon	2022 S0	Ardtaraig Hatchery (FS0648)
F3	8	Atlantic salmon	2022 S0	Ardtaraig Hatchery (FS0648)
F4	9	Atlantic salmon	2022 S0	Ardtaraig Hatchery (FS0648)
F5	10	Atlantic salmon	2022 S0	Ardtaraig Hatchery (FS0648)

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

# <u>Results</u>

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

The following bacterium was isolated:

• Yersinia ruckeri (Kidney: F2)

Tissue samples were tested for segments of nucleic acid indicative of the presence of the pathogens specified below:

Renibacterium salmonarum (BKD)

Fish Number	Endogenous control Cp value	Cp Values			Reported Result (PCR)
F1	-	-	-	-	Negative
F2	21.84	24.61	24.69	24.69	POSITIVE
F3	21.28	36.14	35.94	35.63	POSITIVE
F4	21.52	31.89	31.69	31.91	POSITIVE
F5	20.85	34.11	34.53	34.84	POSITIVE

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

Fish Number	Endogenous control Cp value	Cp Values			Reported Result (PCR)
F1	21.70	33.90	33.64	34.74	POSITIVE
F2	20.63	40	38.24	40	POSITIVE
F3	-	-	-	-	Negative
F4	-	-	-	-	Negative
F5	-	-	-	-	Negative

Salmon gill poxvirus (SGPV)

# Piscine myocarditis virus (CMS)

Fish Number	Endogenous control Cp value	Cp Values			Reported Result (PCR)
F1	16.23	20.79	20.84	20.72	POSITIVE
F2	16.36	25.28	25.23	25.33	POSITIVE
F3	18.24	34.07	35.74	34.15	POSITIVE
F4	-	-	-	-	Negative
F5	-	-	-	-	Negative

### Infectious pancreatic necrosis (IPN)

Fish Number	Endogenous control Cp value	Cp Values			Reported Result (PCR)
F1	16.23	35.89	34.57	36.76	POSITIVE
F2	-	-	-	-	Negative
F3	-	-	-	-	Negative
F4	-	-	-	-	Negative
F5	-	-	-	-	Negative

#### Piscine reovirus (HSMI)

Fish Number	Endogenous control Cp value		Cp Values		Reported Result (PCR)
F3	22.15	33.16	34.33	33.99	POSITIVE

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

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

Fish Number	Endogenous control Cp value		Cp Values		Reported Result (PCR)
F1	21.70	31.94	30.78	31.59	POSITIVE
F2	-	-	-	-	Negative
F3	-	-	-	-	Negative
F4	-	-	-	-	Negative
F5	-	-	-	-	Negative

Neoparamoeba perurans (AGD)

#### Paranucleospora theridion

Fish Number	Endogenous control Cp value	Cp Values			Reported Result (PCR)
F1	21.70	28.94	29.09	28.92	POSITIVE
F2	20.63	31.20	30.85	31.13	POSITIVE
F3	22.32	36.98	36.56	37.09	POSITIVE
F4	22.63	36.04	35.17	35.78	POSITIVE
F5	19.88	36.49	36.30	36.50	POSITIVE

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

Histopathological examination revealed the following:

<u>Gill:</u> Lamellar hyperplasia, mild, multifocal to diffuse (F1, F2, F3, F5) with necrosis (F2). Focal to multifocal granulomatous inflammation (F2, F4). One plankton-like structure between two filaments (F2). Clusters of basophilic nuclei at the tips of few filaments (F4). Aneurysmal dilation/telangiectasia (F1, F2) and lamellar congestion (F1).

<u>Skin & Muscle:</u> Skeletal red muscle myositis, mild to moderate, multifocal (F3, F4) and skeletal white muscle myositis, mild, multifocal (F3). Granuloma-like structure at the red-white muscle interface (F2, F3). F1: Skin not present.

<u>Heart:</u> Myocarditis, minor, multifocal (F1-F5). Granulomatous inflammation, multifocal, mild (F2, F3, F4) and foci with marked presence of Gram-positive bacteria (F2). Epicarditis (F1, F2, F3, F4). F2 , F4: No atrium present.

<u>Gut and pyloric caeca:</u> Reduced abdominal adipose tissue (F1, F3, F4), granulomatous peritonitis (F2, F3, F4, F5).

Pancreas: Small foci of acinar necrosis (F2).

Liver: Granulomatous hepatitis, mild, multifocal (F1, F2, F4), cuffing (F1, F4).

<u>Kidney:</u> Interstitial cell (haemopoietic) necrosis, mild, multifocal (F1, F2, F5), granulomatous nephritis (F2, F3, F4, F5). Few renal tubules with hyaline droplets (F5).

Spleen: Capsulitis (F5).

R09 UKAS accredited testing laboratory No. 1964 Marine Laboratory, 375 Victoria Road, Aberdeen, AB11 9DB Tel - 0131 244 3498 Fax - 0131 244 0944 Email - <u>ms.fishhealth@gov.scot</u> Website - <u>www.gov.scot/Topics/marine/science</u>



Signed:

Date: 07/09/2023

# **Fish Health Inspector**

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



# FISH HEALTH INSPECTORATE VISIT REPORT

#### SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS NO FB0095 SITE NO FS0993 CASE NO 20230360

DATE OF VISIT 16/08/2023 SITE NAME Chalmers Hope INSPECTOR

Statutory Inspection

The above site was inspected following notification for the suspected presence of bacterial kidney disease (BKD).

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

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



Signed:

Date: 25/08/2023

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)















# F3 –





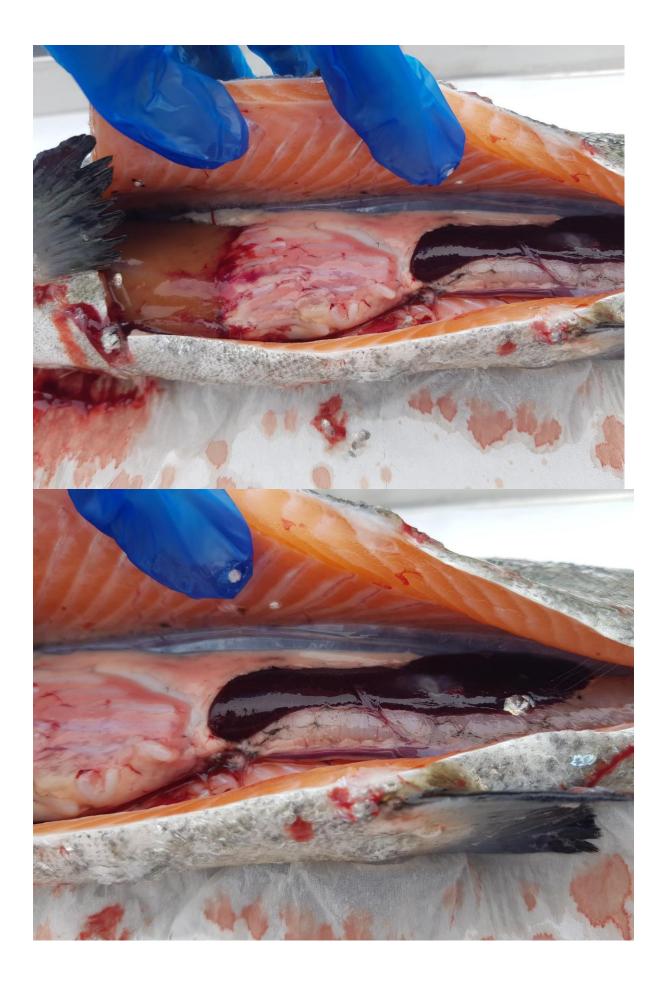
F4 –





F5 –





FHI 059, Version 13	Issu	ed by: FHI	Date of issue: 12/05/2020
Case No: 2023-0364			Date of visit: 22/08/2023
Time spent on site:	4hrs	Main Inspecte	or:
Site No: FS1023 Business No: FB0125	Site Name: Business Name:	Bring Head Scottish Sea Farms Ltd	
Case Types: 1 ECI	2 CNI 3 SLI	4 VMD 5 STI	6
Water Temp (°C): 13.74	Thermometer No:	T308	FHI 045 completed N/A
Observations:	Region: OR	Water type: S	CoGP MA: O-3
Dead/weak/abnormally behavir Clinical signs of disease observ Gross pathology observed? Diagnostic samples taken? UNI/REG only - if unable to car	ved?	NIf yes, see additional infoNIf yes, see additional infoN	rmation/clinical score sheet. rmation/clinical score sheet. rmation/clinical score sheet.

#### Additional Case Information:

Fish moved on from Toyness in march 2023 - toyness is a nursery site.

Stock origin: Knock and barcaldine (stofnfiskur and aquagen)

Treatments: FW- 23/03 to 06/04, Wk 12, all pens: FW treatment at input - 0.85% 5400, mortality below threshold. Slice Wk 19, all pens Slice Wk 25, all pens FW wk 27, all pens

All harvests are conducted via live haul. Optomease used instead of T.M.S before end of crop due to shorter withdrawal time.

Health surveillance: weekly gill swabs, but usually once a month health visits conducted.

08/08/2023 - gill swabs - no AGD detected. Site has also bee seeing mild bloody spotting initially thought to be due to caligus but determined that jellyfish are issue.

non-synchronous fallow risk assessment available as sites in FMA do not fallow synchronously: inspected 17/08/2023 FMA- reviewed annually, but discussed every 6 months.

During site inspection, seagulls were observed landing on bird net and weighing it down. Site has highlighted that birds are an issue but all mitigation measures in place. In addition, an upside down fish was observed in pen 8, removed to inspect it and deemed that no clinical signs were observed and therefore no diagnostic sample taken.

1 fish was removed for VMD sampling and was observed to be in healthy condition. Fish on site were observed to be shoaling well and feeding well too.

In addition to the routine inspection, a statutory inspection was conducted due to confirmation of BKD at Chalmer's Hope (FS0993) - within one tidal excursion of the inspected site. The inspection was conducted to rule out signs of clinical BKD. No fish were observed with signs of clinical BKD.

FHI 059, Version 13		lssu	ued by: FHI			Date of issu	ie: 12/05/2020
Case No: 2023-03	364	Site No:	FS102	.3			
Date of Visit:	22/08/20	23		Inspector(s	):		I
Registration/Authorisation	Details						
1. Business/site details sum	•	y site represent	ative?			Y	]
2. Changes made to details?	2					Y	
	<i></i>						
Site Details (include cleane	er fish for all se		alkad	11	No fooilitir	a increated	12
Total No facilities Species SAL	12	Facilities sto	оскеа	11	INO TACIIITIE	es inspected	12
	0			_	_		
				_	_		
No Fish 616,304 Mean Fish Wt 2.69kg	4						-
Next Fallow Date (Site)	July 2024		Next Input D	ate (Site)	Septembe	er 2024	
Recent (last 4 wks) disease				N Any escape			N
If yes, detail:				, ing occupe		(ioit)	
Movement Records							
1. Movement records availab	ole for inspectior	ו?					Y
2. Date of last inspection:						10/11/2021	
3. Are records complete and	correctly entere	ed?					Y
4. Are movement records av			?				Y
5. Are records complete and							Y
6. Are health certificates for	introductions (ou	utwith GB) avail	able?				N/A
Transport Records							
1. Are any movements carrie	ed out by (or on	behalf) of the b	usiness (not u	sing a STB)?			N
If yes, is there a system in pl							
<b>, , , , , , , , , ,</b>							
Mortality Records							
1. Mortality records available	•						Y
2. How are mortalities dispos	sed of?			Other (deta	il)		
	into bins and en		siler on orkne	y.			
3. Mortality records complete	e and correctly e						Y
4. Recent mortality (last 4 wl	(6):		2, 0.11%, 692;	Wk 31%0%,0	); Wk30, 0.12	2%, 768; Wk	29, 0.45%,
5. Evidence of recent increas		2799; talitios2					N
If yes, facility nos/no mortalit			/reason:				
in yoo, raointy noo/no mortait	, por raolity/10 (						
6. Any other peaks in mortal	itv durina period	checked?					N
If yes, detail:							
7. Have increased (unexplain							
If yes, detail action:	ned) mortalities	been reported t	o vet or FHI?				N/A
ii yes, uetali action.	ned) mortalities	been reported t	o vet or FHI?				N/A

Treatments and Medicines Records	
1. Recent treatments (see comment)?	Y
If yes, detail: T.M.S	
If other, detail:	
2. Medicines records available for inspection?	Y
3. Are records complete and correctly entered?	Y
4. Are fish in a withdrawal period?	Y
5. If yes, what treatment(s)? T.M.S	
If other, detail:	
6. Are medicines stored appropriately?	Y
Biosecurity Records	
1. Biosecurity records available for inspection?	Y
2. Has the manner and frequency of mortality removal, recording and safe disposal been considered?	Ý
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 <i>how</i> and <i>when</i> 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?	Y
2. If yes, are results available for inspection?	Y
3. Any significant results?	N
If yes, detail (if not detailed under recent disease problems).	
Records checked between: 10/11/2021-22/08/2023	

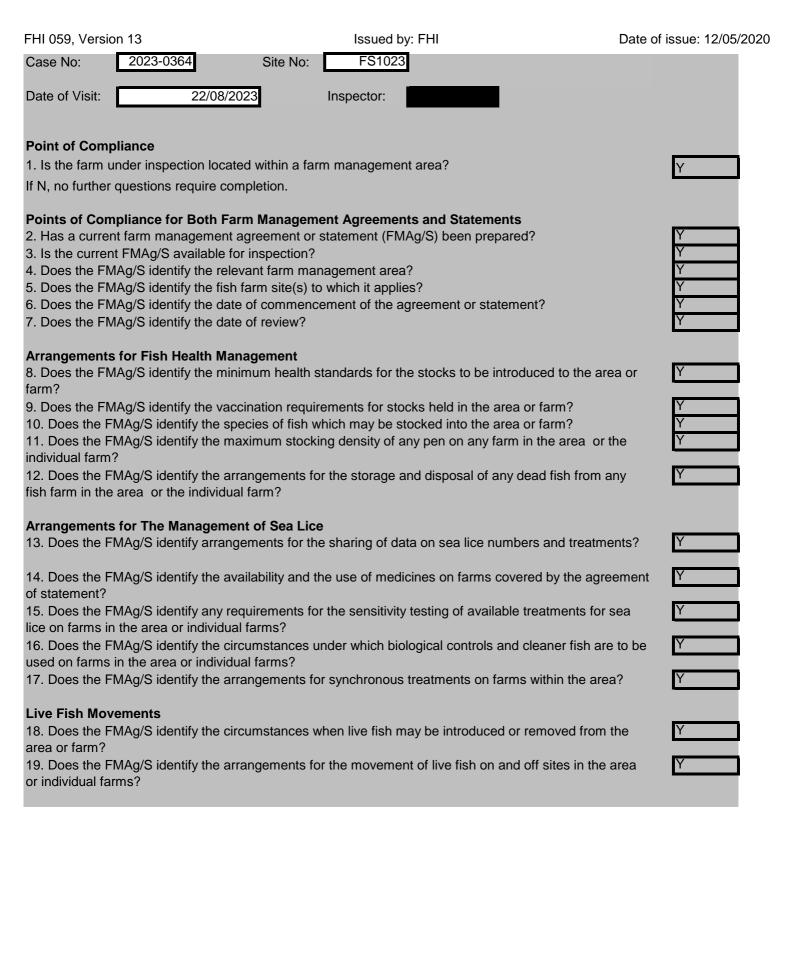
FHI 059, Version 13				Issued by: F	HI	
Case no:	2023-0364	Site No:	FS1023	Date of v		08/2023 22/0
Priority samples:	VI	ВА	PA	Sampling MG	): HI	l i
Time sampling starts/ends:	11:15:00	11:25:00	Inspect	or:	VMD No	p. <u>10</u>
Environmental conditions:	1 Win	dy 2 Cloudy	3	4	5	
Summary samples	HIST	ВА	MG	VI	PA	Total Samples
Add Fish/Pools - click						
Pool/Fish No						
Fish nos	F1					
Pool Group						
Species	SAL					
Average weight	3kg					
Sex	N/A					
Water Type	SW					
Stock Origin Stock Origin Facility No	α Toyness (FS1024)					

)8/2023	Addition	nal Sam	ple Infor	mation:						
0		Total To	ests ass	igned	0					

FHI 059, Version 13

Case Number:	2023-0364		Site No:	FS1023		Insp:	
Date of Visit	22/08/2023		No of m	ovements/s	supp./dest.	_	Score
Live fish movements			0	1-5	6-10	>10	
Movements on (from out	Frequency of n	novements on from equivalent MS	0	5	10	14	0
with GB) of susceptible species		novements on from equivalent zone or ncluding third country	0	9	18	26	0
	Number of sup	pliers	0	5	10	14	0
Movements off	Frequency of n	novements off	0	3	6	10	10
	Number of des		0	3	6	10	3
Exposure via water		Site contacts	0	1-5	6-10		
Water contacts with other farms (holding species	Farm is protect disinfection or	ted (secure water supply through borehole)	0				
susceptible to same diseases)		or in a coastal zone with category I n or within 1 tidal excursion	1	2	4		2
		or in a coastal zone with category III n or within 1 tidal excursion	1	3	6		
		or in a coastal zone with category V n or within 1 tidal excursion	1	4	8		
Management practices			None	Secure	Unsecure		
Water contacts with processors	Any processing	g plant discharging into adjacent waters	0	1	2		0
On farm processing within the rules of the directive	No on farm pro	ocessing	0				0
the rules of the directive	Processing ow	n fish (re-cycling risk)	1				
	Processing fish	n from MS of equivalent status	2				
	Processing fish equivalent stat	n from zone or compartment of us	4				
	Processing fish	n from Category III farm	8				
	Processing fish	n from Category V farm	10				
Disposal of fish and fish by- products			0				
producis	Common proce	esses with other farms	3				3
	Collection poin	t for waste from other farms	5				
Use of unpasteurised feeds	No feeding of u	unpasteurised feed	0	1			0
	Feeding unpas	teurised feed	5				
Biosecurity	Į	Number of sites	, , 1	2 or 3	≥ 4		
Contacts with other sites	Sites operating	from single shorebase	0	1	2		1
	Sites sharing s	taff and equipment	0		2		0
Disinfection of equipment	Yes		0				0
between sites, use of footbaths etc	No		1				
CoGP/Regulator							
Practices in accordance with regulator or industry	Yes		0				0
code of practice	No		3	]			
Platform access to cages	Yes		0	1			0
	No		2				
					Total		19
					Rank		MEDIUM

FHI 059, Version 13	Issue	d by: FHI	Date of iss	ue: 12/05/2020
Case No: 2023-03	64	Site No:	FS1023	
Sea Lice Inspection (Seawater	Sites Only)			
<ol> <li>Is the CoGP Farm Managemer</li> <li>Does the site have access to a</li> </ol>	ce problems in the previous 4 year at Area (or equivalent) fallowed sy range of licenced in-feed and bath nzoate) as well as access to suita nable period of time?	nchronously on a single y n sea lice medications (in	cluding deltamethrin,	N N Y
4. Is there a signed documented f Management Area (or equivalent)	arm management agreement or si ?	tatement relevant to the s	ite and CoGP Farm	Y
	lable for inspection? (Legal SSI, C he required standard specified in t		egal SSI, CoGP Annex 6)	Y Y
7. Are sea lice ( <i>L. salmonis</i> ) reco records are inspected? (CoGP A	rd levels below the suggested crite nnex 6)	eria for treatment in the C	oGP during the period that	Ν
-	a lice ( <i>L. salmonis</i> ) numbers per fis ing the period that records are ins		above (prior to w/b 10/6/19) or	Y
	to the Fish Health Inspectorate? If level which is considered to cause		ems? (CoGP 4.3.81, 5.3.50)	Y N
	been administered or other actions r where <i>C. elongatus</i> is considered			Y
13. Are treatments, where conduct	ten (where applicable)? For the actions taken had a significat Sted, carried out in cooperation bet for the site, where fewer populatio	ween participating farms	?	N/A Y Y Y
	lice management procedure with v f a sea lice infestation?	waypoints describing set a	actions to deal with recognised	Y
16. Do the sea lice levels observe	ed on stocks reflect sea lice count	data? If no please detail r	easons.	Y
	ment damage due to predators in ate against the predation experience		· · · · · · · · · · · · · · · · · · ·	N Y
<ol> <li>Have escape incidents or ever If Yes proceed with questions 4 –</li> <li>Have these been reported to S</li> </ol>	9. If No skip to question 10	vicinity of the site since th	e last FHI inspection?	N
	cal DSFB forthwith (where they ex e SSPO and local fisheries trusts			
7. Were methods (if any) used to	recover escapees? If yes give deta	ail		
8. If gill nets were deployed was t Ministers? (Legal, CoGP – 4.4.38	his action agreed with local wild fis . 5.4.18)	sh interests and was perm	ission given by Scottish	
9. What action was taken to preve	ent and minimise the risk of further	escapes? (Not covered i	n code but could	
be considered under satisfact 10. Is the site inspected as satisfa	actory with regards to containment	? If no, please detail reas	on(s)	Y



Harvesting 20. Does the FMAg/S identify acceptable harvest practices on farms in the area or individual farms?	Y
<b>Fallowing</b> 21. Does the FMAg/S identify the dates by which the area or individual farm will be fallow and the earliest date when a farm or area may be restocked?	Y
22. Does the FMAg/S identify whether one or more year classes may be stocked onto sites covered by the agreement or statement?	Y
23. Does the FMAg/S identify whether broodstock or potential broodstock are to be kept on any site covered by the agreement or statement?	Y
Point of Compliance for Farm Management Agreements Only 24. Does the farm management agreement include arrangements for persons to become, or cease to be, parties to the agreement?	Υ
Management and operation25. Is the fish farm being managed and operated in accordance with the agreement or statement?26. What is the version no/date of issue of the FMAg/S?Apr-23	Y

Issued by: FHI

FHI 059, Version 13

Date of issue: 12/05/2020

FHI 059, Version 13

Case No:	2023-0364			Date of visit:	22/08/2023	3		
Site No:	FS1023			Inspector:				
Results Summary	Freq.			Da	te of Notifica	tion		
Results Summary	i ieq.	Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Insp
			-					
							-	
			-				-	
			_				-	
Report Summary				1				
Case Type ECI,CNI, SLI,VMD STI	Date	Insp	2 <sup>nd</sup> Insp					
ECI,CNI, SLI,VMD	25/08/2023							
STI	25/08/2023							
	1							



# FISH HEALTH INSPECTORATE VISIT REPORT

#### SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS NO FB0125 SITE NO FS1023 CASE NO 20230364 DATE OF VISIT 22/08/2023 SITE NAME INSPECTOR

Bring Head

#### Statutory Inspection

The above site was inspected as it is located within one tidal excursion of a site where the presence of bacterial kidney disease (BKD) has been confirmed.

All epidemiological units were inspected. No clinical signs associated with BKD were observed.

If clinical signs of BKD are observed on the site, the Inspectorate must be informed immediately.

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



Fish Health Inspector

Signed:

Date: 25/08/2023

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)

FHI 059, Version 13	ls	ssued by: FHI	Date of issue: 12/05/2020
Case No: 2023-0366			Date of visit: 23/08/2023
Time spent on site:	4hrs	Main Inspec	etor:
Site No: FS0860 Business No: FB0125	Site Name: Business Name:	Shapinsay Scottish Sea Farms Ltd	
Case Types: 1 ECI	2 CNI 3 SLI	4 VMD 5	6
Water Temp (°C): 13.85	Thermometer No:	T308	FHI 045 completed N/A
Observations:	Region: OR	Water type: S	CoGP MA: O-2
Dead/weak/abnormally behavin Clinical signs of disease observ Gross pathology observed? Diagnostic samples taken?	• •	N If yes, see additional inf	ormation/clinical score sheet. ormation/clinical score sheet. ormation/clinical score sheet.
UNI/REG only - if unable to car	ry out intended visit detail	reason below:	

#### Additional Case Information:

Site stocked: 06/05/2023. Stock origin: Barcaldine (6 pens are Aquagen and 2 are Stofnfiskur)

Shapinsay currently stocked as a nursery site. 2 pens of salmon due to be transferred to Puldrite. The remaining pens are stock that will stay on Shapinsay.

Mortalities are collected via the foover. These are then moved into bins which get disposed of at the business ensiler on Orkney, located in Twatt.

Treatments since input: Slice 03/08/2023 Slice 23/06/2023 Peroxide: 29/07/2023-31/07/2023

Seasonal caligus becomes a burden on site, therefore site has treated with slice and peroxide (Paramove 50) to stay on top of any issues. Lep numbers to date have continued to remain low.

Health inspections from health manager are conducted once a month. Health reports inspected from 18/07/2023 showed positive PCRs for AGD (10/12 samples). Histology reports also inspected, taken on 03/07/2023, showed no significant results.

Site mortality has remained low since input. Any mortalities have since input have been attributed to mainly birds and runts. To mitigate bird predation, bird nets have been doubled, increased tension and kites and scarecrows deployed.

Wrasse input was conducted on 14/07/2023. WK33: 1 mortality has been found . Wk34: 20 mortalities

All harvests are conducted via live haul.

Risk assessment in place for the fact that FMA does not fallow synchronously. FMA also does not note whether one or more year classes are stocked but detailed in business risk assessment. Found to be satisfactory therefore no issues raised with FMA presently.

Fish were sampled for VMD from 4 pens (4,7,8,9) and were observed to be healthy. Stofnfiskur stock in pen 7 and 9. Aquagen stock in 4 and 8.

Fish on site were seen to be shoaling well with only 4 moribund or runts observed across the whole site. Upon inspection no clinical signs of disease were observed.

FHI 059, Ver	sion 13			Issued by	: FHI		Date	e of issue:	12/05/2020
Case No:	2023-0366		Site No:	FS0860					
Data of		22/08/2022	1		Inon actor(a)				
Date of Visit:		23/08/2023			Inspector(s)				
								-	
-	n/Authorisati							-	
		mmary check	ed by site rep	presentative?			Y	4	
2. Changes	made to detai	IS ?					Ŷ	J	
Site Details	(include clea	aner fish for a	all sections)						
Total No fac		12	Facilities stor	cked	8	No facilities	inspected	12	
Species	SAL	WRS							
Age group	2023 Q2	2023							
No Fish	601,918	6,879							
Mean Fish Wt	463g	mixed							
Next Fallow	Date (Site)	Early 2025		Next Input D	ate (Site)	May 2025			
Recent (last	4 wks) diseas				Any escapes	•	isit)?	1	N
If yes,	AGD					×	,		
detail:									
<ul> <li>4. Are moves</li> <li>5. Are record</li> <li>6. Are health</li> <li>Transport R</li> <li>1. Are any m</li> <li>If yes, is their</li> <li>Mortality Re</li> <li>1. Mortality r</li> </ul>	ds complete a ment records ds complete a certificates fo ecords lovements cal re a system in ecords	nd correctly e available for o nd correctly e or introduction rried out by (c place for ma ble for inspec posed of?	dead fish and intered? ns (outwith GE or on behalf) o intenance of t	3) available? of the busines			06/10/2021		Y Y VA Y
If other	ensiled on or					)			
detail:									
3. Mortality r	ecords compl	ete and corre	ctly entered?						Y
5. Evidence		wks): eased/atypica ality per facilit	Wk30, 0.24% I mortalities?	<u>%, 1443; Wk2</u>	o, 921; Wk32, 9, 0.29%, 177 on:				N
If yes,		tality during p Nk7 1.30%, 2		d?					Y
detail:	ased (upeyo	lained) mortal	ities been ror	orted to vet a	or EHI2				N/A
If yes, detail		aned) monal							
		been reported	to FHI? If no	, enter details	s on mortality	events sheet			N

I reatments and Medicines Records	
1. Recent treatments (see comment)?	Y
If yes, detail: T.M.S, Slice	
If other, detail:	
2. Medicines records available for inspection?	Y
3. Are records complete and correctly entered?	Y
4. Are fish in a withdrawal period?	Y
5. If yes, what treatment(s)? T.M.S, Slice	
If other, detail:	
6. Are medicines stored appropriately?	Y
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 <i>increased</i> ( <i>unexplained</i> ) 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 health status, certification if required)?	Y
6. Have the husbandry and biosecurity measures implemented between each epidemiological unit to	
minimise transmission of disease been covered (movement of staff, visitors, equipment, live or dead fish etc.)?	Y
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?	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). AGD: 10/12 pcrs detected	
Records checked between: 06/10/2021-23/08/2023	

FHI 059, Version 13							Issue	d by: FHI			
Case no:	2023-03	366	Site No	:	FS0860			ate of visit/	23/	08/2023	23/(
Priority samples:	VI		BA		PA		MG	ampling:	11	]	
Time sampling starts/ends:	10:3	0:00	11:3	0:00	l	Inspecto	r:		VMD N	0.	19
Environmental conditions:	1	Windy	2	Sunny	3	Cloudy	4		5	]	
Summary samples	HIST		BA		MG		VI	P	A	Total Sa	amples
Add Fish/Pools - click											
Pool/Fish No											
Fish nos	1-4	5-7	9-11	12-13							
Pool Group											
Species	SAL	SAL	SAL	SAL							
Average weight	370g	370g	370g	370g							
Sex	N/A	N/A	N/A	N/A							
Water Type	SW	SW	SW	SW							

Barcaldine Smolt Unit (FS1328)

4

Barcaldine Smolt Unit (FS1328)

8

Barcaldine Smolt Unit (FS1328)

9

Barcaldine Smolt Unit (FS1328)

tock Details

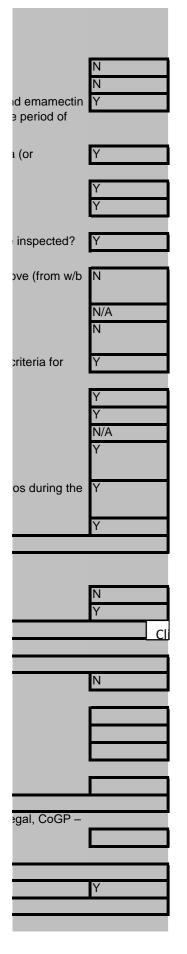
Stock Origin Facility No

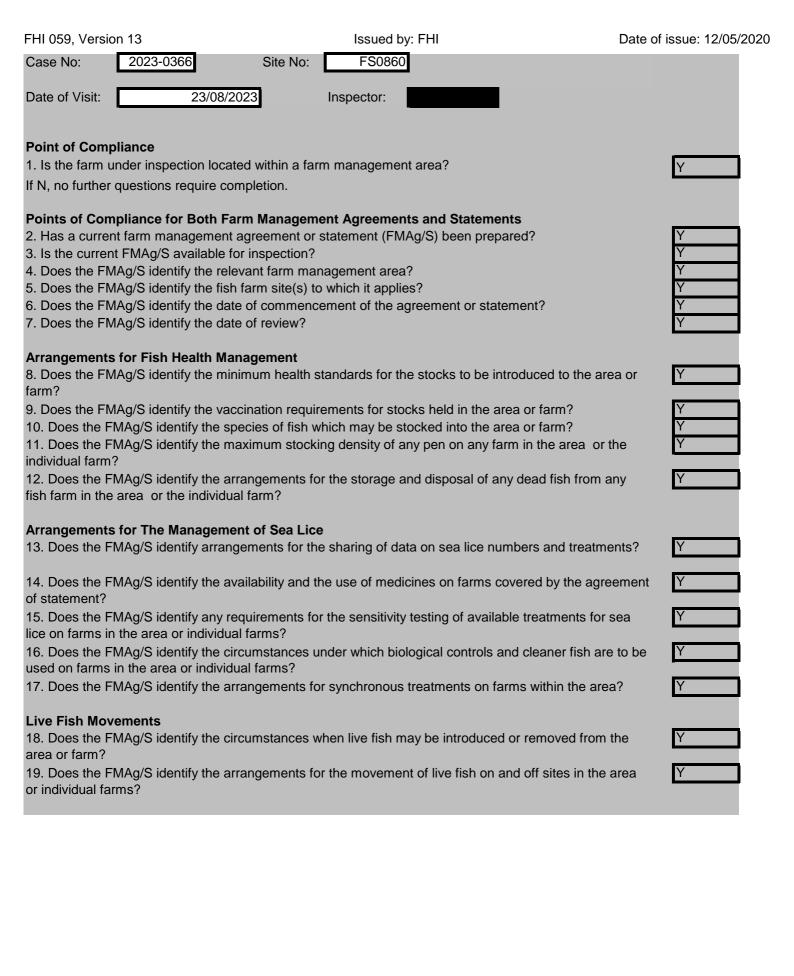
08/2023	Addition	nal Sam	ple Infor	mation:						
0	l	Total Te	ests ass	igned	0					
										•

FHI 059, Version 13

,		Issued by: FHI			Duio		: 12/05/2020
Case Number:	2023-0366		Site No:	FS0860		Insp:	
Date of Visit	23/08/2023		No of m	ovements/s	supp./dest.		Score
Live fish movements			0	1-5	6-10	>10	
Movements on (from out	Frequency of n	novements on from equivalent MS	0	5	10	14	C
with GB) of susceptible species		novements on from equivalent zone or including third country	0	9	18	26	C
	Number of sup		0	-	10	14	0
Movements off	Frequency of n	novements off	0	3	6	10	10
	Number of des		0	3	6	10	3
Exposure via water		Site contacts	0	1-5	6-10		
Water contacts with other farms (holding species	Farm is protect disinfection or I	ed (secure water supply through porehole)	0				
susceptible to same diseases)	farms upstrean	or in a coastal zone with category I n or within 1 tidal excursion	1	2	4		2
	farms upstrean	or in a coastal zone with category III or within 1 tidal excursion	1	3	6		
		or in a coastal zone with category V n or within 1 tidal excursion	1	4	8		
Management practices			None	Secure	Unsecure		
Water contacts with processors	Any processing	plant discharging into adjacent waters	0	1	2		0
On farm processing within the rules of the directive	No on farm pro	cessing	0				0
the rules of the directive	Processing own	n fish (re-cycling risk)	1				
	Processing fish	from MS of equivalent status	2				
	equivalent state		4				
	C C	from Category III farm	8				
	Processing fish	from Category V farm	10				
Disposal of fish and fish by-	Site's own was	te only processed.	0				0
products	Common proce	esses with other farms	3				
	Collection poin	t for waste from other farms	5				
Use of unpasteurised feeds	No feeding of u	inpasteurised feed	0	[			C
	Feeding unpas	teurised feed	5				
Biosecurity		Number of sites	1	2 or 3	≥ 4		
Contacts with other sites		from single shorebase	0	1	2		2
	Sites sharing s	taff and equipment	0	1	2		1
Disinfection of equipment	Yes		0	1			0
between sites, use of footbaths etc	No		1				
CoGP/Regulator							
Practices in accordance	Yes		0				0
with regulator or industry code of practice	No		3				
Platform access to cages	Yes		0				0
	No		2				
					<b>Total</b> Rank		18 MEDIUM

FHI 059, Version 13		Issued by: FHI	Date of issue: 12/05/20	)20
Case No:	2023-0366	Sit	e No: FS0860	
<ol> <li>Is the CoGP Farm Manag</li> <li>Does the site have access</li> </ol>	sea lice problems in the previou ement Area (or equivalent) fall s to a range of licenced in-feed	us 4 years? owed synchronously on a single yea and bath sea lice medications (inclu techanical control measures, and car	ding deltamethrin, azamethiphos an	
4. Is there a signed documer equivalent)?	nted farm management agreen	nent or statement relevant to the site	and CoGP Farm Management Area	
	s available for inspection? (Leg flect the required standard spec	al SSI, CoGP Annex 6) cified in the SSI and the CoGP? (Leg	al SSI, CoGP Annex 6)	
7. Are sea lice ( <i>L. salmonis</i> ) (CoGP Annex 6)	record levels below the sugge	sted criteria for treatment in the CoG	P during the period that records are	
8. Have average adult femal 10/6/19) during the period th		ers per fish been at a level of 3 or abo	ove (prior to w/b 10/6/19) or 2 or abc	
	-	orate? If no, FHI see comment. to cause significant welfare problem	is? (CoGP 4.3.81, 5.3.50)	
•		r actions taken when <i>L. salmonis lev</i> fare implications? (CoGP 4.3.82, 5.3.		
-	en taken (where applicable)?			
•		significant impact upon the lice level	s recorded?	
	·	ation between participating farms? populations or part populations are he	eld without treatment for sea lice?	
15. Is there a site specific wr escalation of a sea lice infes		are with waypoints describing set acti	ons to deal with recognised scenario	
16. Do the sea lice levels ob	served on stocks reflect sea lic	e count data? If no please detail rea	sons.	
		lators in the current or previous prod experienced on site? (Detail below)	uction cycles?	
If other, detail below:				
If Yes proceed with question 4. Have these been reported 5. Have these been reported	r events been experienced on c is 4 – 9. If No skip to question 1 d to Scottish Ministers? d to local DSFB forthwith (where	or in the vicinity of the site since the la 0 e they exist)? (CoGP – 4.4.37, 5.4.1 es trusts forthwith (where they exist)?	7)	
7. Were methods (if any) use	ed to recover escapees? If yes	give detail		
8. If gill nets were deployed v 4.4.38, 5.4.18)	was this action agreed with loc	al wild fish interests and was permiss	sion given by Scottish Ministers? (Le	
		of further escapes? (Not covered in c	ode but could	
	sfactory measures of the Ac satisfactory with regards to cont	t) tainment? If no, please detail reason	(s)	





Issued by: FHI	Date of issue: 12/05/2020
le harvest practices on farms in the area or individua	al farms? Y
one or more year classes may be stocked onto sites proodstock or potential broodstock are to be kept on	s covered by the Y
ement Agreements Only nent include arrangements for persons to become, o	or cease to be, Y
operated in accordance with the agreement or state of the FMAg/S? Apr-23	rement?
	le harvest practices on farms in the area or individu by which the area or individual farm will be fallow a cked? one or more year classes may be stocked onto sites proodstock or potential broodstock are to be kept or c? <b>ement Agreements Only</b> nent include arrangements for persons to become,

Issued by: FHI

Case No: 2023-0366 Site No: FS0860 Date of visit: 23/08/2023

Start date:	End date: (if applicable)	Size of fish:	Average weight of affected population:	Species:	Yearclass (SW SAL only):	Timescale	Mortality rate recorded(%):	Explained/ unexplained:	If explained, select reason(s):
23/08/23	13/02/2023	≥750g	11.9kg	SAL	11.9kg	Weekly	1.30	Explained	CMS

If unexplained, select observations:		Additional information (e.g. action taken by company):	Action taken by FHI (include case no where applicable):	Yearclass Year
	238	Historic mortality event identified through routine site inspection. At the time site was harvesting to fallow and was empty wk 8 2023.	Historic event - no further action.	2021

Case No:	2023-0366	]		Date of visit:	23/08/202	:3		
Site No:	FS0860	נ		Inspector				
Results Summary	Freq.	1		Da	ate of Notific	ation		
,		Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Insp
							_	
			_		-		_	
							_	
							_	
							-	
							-	
							_	
							_	
							_	
							_	
Report Summary								
Case Type ECI, CNI,SLI,VMD	Date	Insp	2 <sup>nd</sup> Insp					
ECI, CNI,SLI,VMD	25/08/2023	3						

Report Summary			
Case Type	Date	Insp	2 <sup>nd</sup> Insp
ECI, CNI,SLI,VMD	25/08/2023		
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	ļ		
	<b> </b>		



# FISH HEALTH INSPECTORATE VISIT REPORT

#### SUMMARY FOR INFORMATION OF SITE OPERATOR

 BUSINESS NO
 FB0125

 SITE NO
 FS0860

 CASE NO
 20230366

DATE OF VISIT23/08/2023SITE NAMEShapinsayINSPECTORInspector

#### 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.

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

Mortality records were inspected and found to be adequately maintained.

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

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

Medicine records were inspected and found to be adequately maintained.

Samples were taken to be analysed for veterinary residues.

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

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

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

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



Signed:

Fish Health Inspector

Date: 25/08/2023

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)

FHI 059, Version 13	I	Issued by: FHI	Date of issue: 12/05/2020
Case No: 2023-0373			Date of visit: 22/08/2023
Time spent on site:		Main Inspe	ector:
Site No: FS1244 Business No: FB0544	Site Name: Business Name:	Strathclyde Scotland	
Case Types: 1	23	4 5	6
Water Temp (°C):	Thermometer No:		FHI 045 completed
Observations:	Region: ST	Water type: B	CoGP MA
Dead/weak/abnormally behaving Clinical signs of disease observed Gross pathology observed? Diagnostic samples taken?	•	If yes, see additional in	formation/clinical score sheet. formation/clinical score sheet. formation/clinical score sheet.
UNI/REG only - if unable to carry	out intended visit detail	reason below:	

### Additional Case Information:

Information from 3rd party informing us of suspicion of KHV in garden pond.



FHI visit arranged for 23/8/23

No report issued

Case No:	2023-0373			Date of visit:	22/08/2023			
Site No:	FS1244	l		Inspector:				
Results Summary	Freq.			Dat	te of Notificat	ion		
		Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Insp

<b> </b>				
l	 			

Report Summary			
		Insp	2 <sup>nd</sup> Insp
INF	12/09/2023		

FHI 059, Version 13	Issue	ed by: FHI	Date of issue: 12/05/2020
Case No: 2023-0375			Date of visit: 31/08/2023
Time spent on site:	hr	Main Inspect	tor:
Site No:SS0924Business No:SB0428	Site Name: Business Name:	Swinister Voe Hunter Salmon (Shellfish)	
Case Types: 1 ECI	23	4 5	6
Water Temp (°C): 12.8	Thermometer No:	T148	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? UNI/REG only - if unable to carry	d?	N If yes, see additional info N If yes, see additional info N	ormation/clinical score sheet. ormation/clinical score sheet. ormation/clinical score sheet.

### FHI 059, Version 13 Additional Case Information:

Low to medium fouling from seaweed on the first few meters of rope on the lines collecting spat. Shells clean but medium seaweed and sea squirt fouling on the line holding the 2022 stock. No movements on or off site since last inspection. Spat collected at site is grown and harvested at same site.

FHI 059, Version 13			Issu	ed by: FHI			Date of issue	e: 12/05/2020
Case No:	2023-0375	]	Site No:	SS0924	]			
Date of Visit:		31/08/2023			Inspector(s):			l
Registration/Autho	risation Det	ails						
1. Business/site deta		checked by si	te representa	tive?			Υ	
2. Changes made to	details?						Y	
Site Details (includ	e cleaner fis	h for all secti	ons)					
Total No facilities		E.	Facilities sto	cked	4	No facilitie	s inspected	4
Species	MED	MED						-
Age group	2022	2023						
No Fish	1 line	3 lines						
Mean Fish Wt	~30mm	spat						
Next Fallow Date (S	ite)	never fallow		Next Input Da	ate (Site)	natural spa	at collection	
Recent (last 4 wks)	disease prob	lems?		N	Any escapes	(since last	visit)?	N/A
If yes, detail:								
Movement Records 1. Movement record 2. Date of last inspect 3. Are records comp 4. Are movement records comp 6. Are health certificant Transport Records 1. Are any movement If yes, is there a system Mortality Records	s available fo ction: lete and corr cords availab lete and corr ates for intro-	ectly entered? le for dead fish ectly entered? ductions (outwing t by (or on beh	th GB) availa	ible? siness (not usi	- /		18/07/2022	Y N/A N/A N/A
1. Mortality records a	available for i	nspection?						Y
2. How are mortalitie	es disposed o	of?			Other (detail)			
If other detail:		s drop to seabe						
3. Mortality records	•							Y
4. Recent mortality (				d mortality has	been observe	ed since last	inspection	
5. Evidence of recen								N
If yes, facility nos/no	mortality per	facility/no sto	ck per facility	reason:				
	o no ortoliti d							N
<ol> <li>Any other peaks in If yes, detail:</li> </ol>	n mortality du	inng period ch	ecked?					N
7. Have increased (	(nexplained)	mortalities bee	on reported to	vet or FHI2				N/A
If yes, detail action:								
8. Have 'mortality ev	ents' been re	ported to FHI?	lf no, enter o	details on mort	ality events sh	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	
1. Biosecurity records available for inspection?	Ý
2. Has the manner and frequency of mortality removal, recording and safe disposal been considered?	ř
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	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	N/A
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: 18/07/2022 - 31/08/2023	

FHI 059, Version 13	Issued by: FHI			Date	of issue: 12/05/2
Case Number:	2023-0375 Site No:	SS092	4		
Date of Visit	31/08/2023 Inspector:				
umber of Susceptil	ble species on site			-	
-	ies present = <u>LOW</u> risk				
	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	2
Live shellfish moven		0	1-2	>3	
Movements on	Frequency of movements on from equivalent MS	0	5	10	0
	Frequency of movements on from equivalent zone or				
	compartment including third country	0	10	20	0
	Number of suppliers	0	5	10	0
Novements off					
	Frequency of movements off <u>within</u> MSS Management		4	2	0
	Areas	0	1	2	0
	Frequency of movements off <u>outwith</u> MSS Management	_	2	C	0
	Areas Number of destinations	0	3	6 6	0
		Ŭ	0	Ŭ	Ű
			Secure	Unsecure	
Management			(effluent	(no effluent	
			4 4	trootmont)	
practices		None	treatment)	treatment)	
Water contacts with	Depuration of stack from own sites within MSS	None	treatment)	treatment)	
	Depuration of stock from own sites within MSS				0
Water contacts with	management area	None 0	treatment)	2	0
Water contacts with	management area Depuration of stock from other businesses sites within	0	1	2	
Water contacts with	management area Depuration of stock from other businesses sites within MSS management area	0			0 0
Water contacts with	management area Depuration of stock from other businesses sites within	0	1	2	
Water contacts with	management area Depuration of stock from other businesses sites within MSS management area Depuration of stock from sites outwith MSS management area	0	1	2 6	0
Water contacts with	management area Depuration of stock from other businesses sites within MSS management area Depuration of stock from sites outwith MSS management	0 0 0 1	1	2 6 8 ≥4	0
Water contacts with depuration facilities	management area Depuration of stock from other businesses sites within MSS management area Depuration of stock from sites outwith MSS management area Number of sites Sites operating from single shorebase	0 0 0 1	1 2 4	2 6 8 ≥4 2	0
Water contacts with depuration facilities Biosecurity	management area Depuration of stock from other businesses sites within MSS management area Depuration of stock from sites outwith MSS management area Number of sites	0 0 0 1	1 2 4 <b>2 or 3</b>	2 6 8 ≥4	0
Water contacts with depuration facilities Biosecurity Contacts with other	management area Depuration of stock from other businesses sites within MSS management area Depuration of stock from sites outwith MSS management area Number of sites Sites operating from single shorebase	0 0 0 1	1 2 4 <b>2 or 3</b> 1	2 6 8 ≥4 2	0 0 2
Water contacts with depuration facilities Biosecurity Contacts with other	management area Depuration of stock from other businesses sites within MSS management area Depuration of stock from sites outwith MSS management area Number of sites Sites operating from single shorebase	0 0 0 1	1 2 4 <b>2 or 3</b> 1 1	2 6 8 ≥4 2 5	0 0 2
Water contacts with depuration facilities Biosecurity Contacts with other	management area Depuration of stock from other businesses sites within MSS management area Depuration of stock from sites outwith MSS management area Number of sites Sites operating from single shorebase	0 0 0 1 0 0	1 2 4 <b>2 or 3</b> 1 1	2 6 8 ≥4 2 5	0 0 2
Water contacts with depuration facilities Biosecurity Contacts with other	management area Depuration of stock from other businesses sites within 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 0 0 1 0 0	1 2 4 <b>2 or 3</b> 1 1 <b>Yes</b> 0	2 6 8 ≥4 2 5 No	0 0 2 5 2
Water contacts with depuration facilities Biosecurity Contacts with other	management area Depuration of stock from other businesses sites within 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 0 0 1 0 0	1 2 4 <b>2 or 3</b> 1 1 <b>Yes</b>	2 6 8 ≥4 2 5 No	0 0 2 5

Case No:	2023-0375	Date of visit: 31/08/2023								
Site No:	SS0924	Inspector:								
Results Summary	Freq.	Date of Notification								
		Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Insp		
Report Summary				1						
Case Type	Date	Insp	2 <sup>nd</sup> Insp							
ECI	05/09/2023									



# FISH HEALTH INSPECTORATE VISIT REPORT

#### SUMMARY FOR INFORMATION OF SITE OPERATOR

 BUSINESS No
 SB0428

 SITE NO
 SS0924

 CASE NO
 20230375

DATE OF VISIT31/08/2023SITE NAMESwinister VoeINSPECTORInspector

#### 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 low. An inspection under the Aquatic Animal Health (Scotland) Regulations 2009 will be conducted every fourth year. The category of the site will be reassessed on a routine basis and updated as required.

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

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:

Date: 05/09/2023

**Fish Health Inspector** 

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

FHI 059, Version 13	lssu	ued by: FHI	Date of issue: 12/05/2020					
Case No: 2023-0376			Date of visit: 28/08/2023					
Time spent on site:	1 hour	Main Inspec	tor:					
Site No: SS0826 Business No: SB0516	Site Name: Business Name:	Firth of Forth Lobster Hatche The Firth of Forth Lobster Ha						
Case Types: 1 ECI	2 3	4 5	6					
Water Temp (°C): not taken	Thermometer No:		FHI 045 completed N/A					
Observations:	Region: LO	Water type: S	CoGP MA:					
Dead/weak/abnormally behaving fish present?NIf yes, see additional information/clinical score sheet.Clinical signs of disease observed?NIf yes, see additional information/clinical score sheet.Gross pathology observed?NIf yes, see additional information/clinical score sheet.Diagnostic samples taken?NN								
UNI/REG only - if unable to carry out intended visit detail reason below:								

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

Berried female lobsters collected from fishermen May until August. - They are held for approximately 3 weeks before being notched and released at North Berwick. Only the adults that have been sponsored by a member of the public are released. If not sponsored they are returned to the fishermen. All juvenile lobsters are also released at North Berwick.

Juvenile lobsters are fed red plankton and copepods. Larvae red plankton and krill. Adults are not fed.

Lobsters are sourced for Seacliff fishing and Belhaven Lobsters

Morts 18/5/23 - 1 adult, 19/5/23 2 adults(low oxygen due to power failure), 2/6/23 20 juveniles. Larval mortality in 2022 due to bacterial issue in incubators.

FHI 059, Ver	sion 13			Issued by	: FHI		Date	e of issue: 12/05/2020
Case No:	2023-0376	]	Site No:	SS0826	]			
Date of		28/08/2023	]		Inspector(s)			
Registratio	n/Authorisati	on Details						
-	site details su		ked by site rep	presentative?			Y	7
2. Changes	made to detai	ls?					Υ	
Site Details	(include clea	aner fish for	all sections)					
Total No fac	ilities	3	Facilities sto	cked	2	No facilities i	nspected	3
Species	Lobster	Lobster						
Age group	Adult	Juvenile						
No Fish	1	300						
Mean Fish Wt	400g	<0.1g						
Next Fallow	• •	within next 3	weeks	Next Input D	ate (Site)	June 2024		
Recent (last	4 wks) diseas	se problems?		N	Any escapes	s (since last vi	sit)?	N/A
If yes,								
detail:								
<ol> <li>Date of la</li> <li>Are record</li> <li>Are move</li> <li>Are move</li> <li>Are record</li> <li>Are health</li> <li>Transport F</li> <li>Are any m</li> <li>If yes, is the</li> <li>Mortality Re</li> <li>Mortality r</li> </ol>	at records ava st inspection: ds complete a ment records ds complete a certificates for <b>Records</b> novements ca re a system in	nd correctly e available for nd correctly e or introduction rried out by (c place for ma ble for inspec	entered? dead fish and entered? ns (outwith GE or on behalf) c intenance of t	3) available? of the busines	. –		25/05/2016	Y Y Y N/A
If other					Domootio we			
detail:								
3. Mortality r	ecords compl	ete and corre	ctly entered?					Y
4. Recent m	ortality (last 4	wks):	nil					
5. Evidence	of recent incr	eased/atypica	I mortalities?					N
If yes, facility	y nos/no morta	ality per facilit	y/no stock pe	r facility/reaso	on:			
6. Any other	peaks in mor	tality during p	eriod checked	1?				Y
lf yes, detail:	bacterial issu	ue in one of th	ne incubators	holding larva	e in 2022. Inc	ubator fallowe	ed then clear	red
7. Have incr	eased (unexp	lained) morta	lities been rep	ported to vet o	or FHI?			N/A
If yes, detail								
8. Have 'mo	rtality events'	been reported	to FHI? If no	o, enter details	s on mortality	events sheet.		N/A

Treatments and Medicines Records					
1. Recent treatments (see comment)?					
If yes, detail:					
If other, deta					
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, deta					
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					
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	Y				
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: 25/6/16- 28/8/23					

FHI 059, Version 13	13 Issued by: FHI			Date	of issue: 12/05/2
Case Number:	2023-0376 Site No:	SS082	6		
Date of Visit	28/08/2023 Inspector:				
Number of Susceptil	ale species on site			-	
•	ies present = <u>LOW</u> risk				
	present, score for each pathogen		No	Yes	
· ·	Susceptible to Bonamia ostrea (OED)		0	25	0
	Susceptible to Marteilia refringens (OED, MED)		0	3	
	Susceptible to OsHV (CGI)		0	3	
		4	2.5		
Sites within a tidal e		1	2-5	>6	
Site contacts	Number of sites holding susceptible species within a tidal excursion	0	2	10	0
Live shellfish moven	nents	0	1-2	>3	
Movements on	Frequency of movements on from equivalent MS	0	5	10	0
	Frequency of movements on from equivalent zone or				
	compartment including third country	0	10	20	
	Number of suppliers	0	5	10	
Movements off					
	Frequency of movements off <u>within</u> MSS Management	0	4	2	2
	Areas	0	1	2	2
	Frequency of movements off <u>outwith</u> MSS Management Areas	0	2	G	
	Number of destinations	0	3	6 6	3
			Secure	Unsecure	
Management			(effluent	(no effluent	
practices		None	treatment)	treatment)	
Water contacts with depuration facilities		None	,		
	Depuration of stock from own sites within MSS management area	0	1	2	0
	management area			2	0
				2	0
	management area Depuration of stock from other businesses sites within	0	1		0
	management area Depuration of stock from other businesses sites within MSS management area	0	1		0
depuration facilities	management area Depuration of stock from other businesses sites within MSS management area Depuration of stock from sites outwith MSS management	0	1	6	0
depuration facilities	management area Depuration of stock from other businesses sites within MSS management area Depuration of stock from sites outwith MSS management area	0	1 2 4	6 8	0
depuration facilities	management area Depuration of stock from other businesses sites within MSS management area Depuration of stock from sites outwith MSS management area Number of sites	0 0 0 1	1 2 4 <b>2 or 3</b>	6 8 ≥4	
depuration facilities Biosecurity Contacts with other	management area Depuration of stock from other businesses sites within MSS management area Depuration of stock from sites outwith MSS management area Number of sites Sites operating from single shorebase	0 0 0 1	1 2 4 <b>2 or 3</b> 1	6 8 ≥4 2	
depuration facilities Biosecurity Contacts with other	management area Depuration of stock from other businesses sites within MSS management area Depuration of stock from sites outwith MSS management area Number of sites Sites operating from single shorebase	0 0 0 1	1 2 4 <b>2 or 3</b> 1 1	6 8 ≥4 2 5	
depuration facilities Biosecurity Contacts with other	management area Depuration of stock from other businesses sites within MSS management area Depuration of stock from sites outwith MSS management area Number of sites Sites operating from single shorebase	0 0 0 1 0 0	1 2 4 <b>2 or 3</b> 1 1	6 8 ≥4 2 5	
depuration facilities Biosecurity Contacts with other	management area         Depuration of stock from other businesses sites within         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 0 0 1 0 0	1 2 4 <b>2 or 3</b> 1 1 <b>Yes</b> 0	6 8 ≥4 2 5 No	0
depuration facilities Biosecurity Contacts with other	management area         Depuration of stock from other businesses sites within         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 0 0 1 0 0	1 2 4 <b>2 or 3</b> 1 1 <b>Yes</b>	6 8 ≥4 2 5 No	0

Case No:	2023-0376			Date of visit:	28/08/2023					
Site No:	SS0826	Inspector:								
Results Summary	Freq.	Date of Notification								
		Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Insp		
				_						
Report Summary										
Case Type	Date	Insp	2 <sup>nd</sup> Insp							
ECI	12/09/2023									



# FISH HEALTH INSPECTORATE VISIT REPORT

#### SUMMARY FOR INFORMATION OF SITE OPERATOR

 BUSINESS NO
 SB0516

 SITE NO
 SS0826

 CASE NO
 20230376

DATE OF VISIT 28/08/2023 SITE NAME Firth of Fort

Firth of Forth Lobster Hatchery

#### 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. <u>Records</u>

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

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

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

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: 12/09/2023

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