FHI 059, Version 13		Issued by: FHI	Date of issue: 12/05/2020
Case No: 2023-0524			Date of visit: 14/11/2023
Time spent on site:	13hrs	Main Ins	pector:
Site No: FS1056 Business No: FB0169	Site Name: Business Name:	Strone Bakkafrost Scotland	
Case Types: 1 STS	2 3	4 5	6
Water Temp (°C): 10.4	Thermometer No:	T305	FHI 045 completed N/A
Observations:	Region: ST	Water type: S	CoGP MA M-45
Dead/weak/abnormally behavin Clinical signs of disease observ Gross pathology observed? Diagnostic samples taken?	• ·	Y If yes, see additional	information/clinical score sheet. information/clinical score sheet. information/clinical score sheet.
UNI/REG only - if unable to carr	y out intended visit deta	il reason below:	

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

Site was re-visited following a positive PCR for ISA (2023-0511). Sequencing to determine if positive for ISA HPR-0 or ISA HPR-deleted was unsuccessful due to small volume of sample. Case has not yet been closed and FHR has not yet been issued.

Statutory sample of 150 fish was taken from the site. Fish from every cage were sampled. Few moribunds were observed (generally 1-2 fish per cage) and these were prioritised for sampling. Where there were not enough moribunds to make up the sample, clinically healthy fish were sampled.

Site is sharing a shorebase with Sgian Dubh (FS1281). Sites have separate entrances to the shorebase office, with foot baths and disinfectant at the entrance for Strone staff. Site staffs are using site-specific PPE, changing rooms, equipment and boats (with Strone workboats being moored in a separate location from Sgian Dubh workboats).

No movements on or off the site had occurred since the last inspection.

Site is stocked with a mix of farmed and wildcaught wrasse. Wrasse mortality for Wk44 was zero.

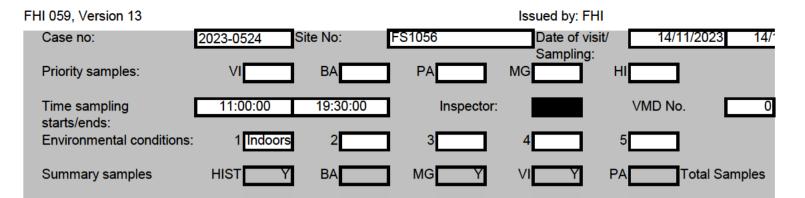
sampled: F1-6, 11-16, 23-28, 33-38, 45-50, 55-60, 65-70, 75-80, 85-90, 95-100, 105-110, 115-120, 125-130, 137-142, 149-150.

sampled: F7-10, 17-22, 29-32, 39-44, 51-54, 59-64, 71-74, 81-84, 91-94, 101-104, 111-114, 121-124, 131-136, 143-148.

Moribund fish: 1-10, 19, 22, 47, 61, 78-79, 81-84, 92, 101, 112, 114, 118, 120, 122, 124, 132-133, 136 and 139.

FHI 059, Version 13		Issued by: FHI					Date of issue	e: 12/05/2020
Case No:	2023-0524	]	Site No:	FS1056	]			
Date of Visit:		14/11/2023	3		Inspector(s):			I
Registration/Autho	risation Det	ails						
1. Business/site deta	•	checked by s	site representa	ative?			Y	
2. Changes made to	details?						Ν	
Site Details (includ	e cleaner fis	h for all sect	tions)					
Total No facilities	e cicalier na	14	Facilities sto	cked	14	No facilitie	s inspected	14
Species	SAL	WRS						
Age group	2023 Q1	2023						
No Fish	964,544	54,000						
Mean Fish Wt	1.65kg	150g						
Next Fallow Date (S		July 24		Next Input Da	te (Site)	Jan 25	-	
Recent (last 4 wks) of	disease prob	lems?		Y	Any escapes	(since last	visit)?	N
If yes, detail:	Furunculosis	s, SRS, AGD						
Movement Records         1. Movement records available for inspection?         2. Date of last inspection:         3. Are records complete and correctly entered?         4. Are movement records available for dead fish and waste?         5. Are records complete and correctly entered?         6. Are health certificates for introductions (outwith GB) available?         Transport Records         1. Are any movements carried out by (or on behalf) of the business (not using a STB)?         If yes, is there a system in place for maintenance of transportation records?         Mortality Records						Y N/A N/A N/A N/A		
1. Mortality records a					Diama Davi			Y
<ol> <li>How are mortalitie</li> <li>If other detail:</li> </ol>	s alsposed o	)  {			Biogas - Barl	(ip		
3. Mortality records of	complete and	correctly ent	ered?					Y
				′ (0.41%) , Wk	44.4 024 (0 4	1%) Wk43 <sup>.</sup>	8 767 (0 89%	6) Wk42 <sup>.</sup>
4. Recent mortality (	last 4 wks):		7,114 (0.72%		11. 1,021 (0.1	170), 111(40.	0,707 (0.007	o), •••• <b>-</b>
5. Evidence of recen		atypical morta		- /				Y
If yes, facility nos/no	mortality per	facility/no sto	ock per facility/	/reason:				
Cage 11 (9,765 (9.9				35 to Week 41.				
6. Any other peaks in	n mortality du	iring period cl	necked?					N
If yes, detail:								
7. Have increased (u	inexplained)	mortalities be	en reported to	o vet or FHI?				N/A
If yes, detail action:				data ila	- 114	1		NUA
8. Have 'mortality ev	ents' been re	ported to FHI	? If 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?	
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	N.I.
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: 03/11/23 - 14/11/23	



#### Add Fish/Pools - click

	Pool/Fish No	F1	F2	F3	F4	F5	F6	F7	F8	F9	F10	F11	F12
	Fish nos	1	2	3	4	5	6	7	8	9	10	11	12
	Pool Group	P1	P1	P2	P2	P3	P3	P4	P4	P5	P5	P6	P6
	Species	SAL	SAL	SAL	SAL	SAL	SAL	SAL	SAL	SAL	SAL	SAL	SAL
	Average weight	1.5kg	1.5kg	1.5kg	1.5kg	1.5kg	1.5kg	1.5kg	1.5kg	1.5kg	1.5kg	1.5kg	1.5kg
	Sex	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Water Type	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Stock Details	Stock Origin Facility No	+ Loch Langavat FS0149	Loch Langavat FS0149	Loch Langavat FS0149	A Loch Langavat FS0149	+ Loch Langavat FS0149	A Loch Langavat FS0149	+ Loch Langavat FS0149	Loch Langavat FS0149	Loch Langavat FS0149	A Loch Langavat FS0149	L Applecross Smolt Unit FS0500	L Applecross Smolt Unit FS0500

#### 11/2023 Additional Sample Information: Fish humanely dispatched by anesthetic followed by percussive blow. Liver, kidney, heart and spleen sampled for virology samples. Fish number 149-150 (P75) unknown cage source as not recorded at time of sampling (possible cages: 8, 9, 10, 11, 12, 13, 14) 225 Total Tests assigned 3 F13 F14 F15 F16 F17 F18 F19 F20 F21 F22 F23 F24 F25 F26 F27 F28 15 28 13 16 17 18 19 20 22 23 24 25 26 27 14 21 P7 P7 P8 P8 P9 P9 P10 P10 P11 P11 P12 P12 P13 P13 P14 P14 SAL 1.5kg N/A SW Applecross Smolt Unit FS0500 Smolt Smolt Smolt Smolt Applecross Smolt Unit FS0500 Applecross Smolt Unit FS0500 Applecross Smolt Unit FS0500 ecross Smolt Applecross Smolt Unit FS0500 Loch Langavat FS0149 Loch Langavat FS0149 Loch Langavat FS0149 Langavat 149 Langavat -och Langavat Applecross SI Unit FS0500 Applecross SI Unit FS0500 Applecross SI Unit FS0500 Unit FS0500 FS0500 ecross

Unit Appl

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49 FS01

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Loch

FHI 059, Versio	n 13	Issued by:		FHI				Date of issue: 12/05/202			5/2020	
Case no:	2023-0524	]	Site No	<b>D</b> :	FS105	6	М	ethod of	f killing:	Percus	sive	
Date of visit:	14/11/2023	3	Inspec	tor(s):				s	heet Re	elevant:	N	
S for strong presen	ice: M for medium presence: W for	weak pres	ence									
Fish Number			F82	F101	F112							
	er death (if > 45 minutes)	45mins	45mins	60 min	80 min							
External Signs	· ·											
Behaviour	Moribund	S	S	S	S							
	Lethargic											
	Hanging vertical											
	Spiralling	_										
	Flashing											
Dedu	Loss of equilibrium											
Body	Dark Distended abdomen	w										
	Anorexic											
	Scale Oedema											
Opercula	Shortened				w							
	Flared											
Haemorrhaging	Throat											
	Ventrum	S										
	Base of fins											
	Elsewhere											
Eyes	Exophthalmic	_										
	Enophthalmic (sunken)	_										
	Cataract											
Gills	Haemorrhagic Pale	м	w	w								
GIIIS	Zoned		Ŵ	М	w							
	Necrotic	-										
Lesions	Flank											
	Elsewhere											
Vent	Inflamed											
	Trailing faeces											
Lice Load	Estimate numbers	2										
Internal Signs												
Ascites	Clear	w	м									
Oedema	Bloody In tissues	**										
Heart	Pale/anaemic	м										
Tiodit	Granulomas											
	Deformed											
Liver	Petechial haem	W			М							
	Gross haem											
	Tissue breakdown											
	Enlarged											
	Colour number(s)	2	2	6	2							
	Granulomas											
Pularic acces	Lesions Petechial haem	s			м							
Pyloric caeca	Tubules mauve	3			IVI							
	Lack of fat	-										
Spleen	Enlarged			м								
opicon	Granulomas											
Gut	No food present											
	Yellow pseudo-faeces											
	External haem											
	Internal haem											
Body wall	Haemorrhaging		М	W								
Swim bladder	Haemorrhaging	S	S	S	S							
	Fluid filled	W										
Kidney	Swollen	w										
	Grey Granular	W		w								
	Liquefied											
General	Parasites present											
	Anaemia											

#### FHI 059, Version 13

Case no:	2023-0524

Г

Date of visit:

14/11/2023

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

	ice: M for medium presence: W for v		_	_	_		_	_	
Fish Number									
	er death (if > 45 minutes)								
External Signs									
Behaviour	Moribund								
	Lethargic								
	Hanging vertical								
	Spiralling								
	Flashing								
	Loss of equilibrium								
Body	Dark								
	Distended abdomen								
	Anorexic								
	Scale Oedema								
Opercula	Shortened								
	Flared								
Haemorrhaging	Throat								
	Ventrum								
	Base of fins								
	Elsewhere								
Eyes	Exophthalmic								
	Enophthalmic (sunken)								
	Cataract								
	Haemorrhagic								
Gills	Pale								
GINS	Zoned								
	Necrotic								
Lesions	Flank					 			
	Elsewhere								
Vent	Inflamed					 			
	Trailing faeces	 				 			
Lice Load	Estimate numbers								
Internal Signs									
Ascites	Clear								
	Bloody								
Oedema	In tissues								
Heart	Pale/anaemic								
	Granulomas								
	Deformed								
Liver	Petechial haem								
	Gross haem								
	Tissue breakdown								
	Enlarged								
	Colour number(s)								
	Granulomas								
	Lesions								
Pyloric caeca	Petechial haem								
i yione caeca	Tubules mauve								
	Lack of fat								
Spleen									
Spleen	Enlarged Granulomas								
0t									
Gut	No food present								
	Yellow pseudo-faeces								
	External haem								
	Internal haem								
Body wall	Haemorrhaging								
Swim bladder	Haemorrhaging								
	Fluid filled								
Kidney	Swollen								
	Grey								
	Granular								
	Liquefied								
General	Parasites present								
	Anaemia								

### Additional comments:

F101 haemorraging on the body wall close to the kidney, see photo

Case No:	2023-0524			Date of visit:	14/11/2023			
Site No:	FS1056	I		Inspector:				
Results Summary	Freq.			Dat	te of Notificat	ion		
		Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Insp
MG_ISA ISA sequencing	7/150	16/11/2023		16/11/2023		20/12/2023		
ISA sequencing	7/7	22/11/2023		23/11/2023				
confirmed HPR0						20/12/2023		
HPAT	4/5	04/12/2023		06/12/2023		20/12/2023		
LPAT	5/5	04/12/2023		06/12/2023		20/12/2023		
ISAV	0/7	20/12/2023				20/12/2023		
Report Summary								
Case Type	Date	Insp	2 <sup>nd</sup> Insp					
Case Type STS	20/12/2023		z insp					
515	20/12/2023							



# FISH HEALTH INSPECTORATE VISIT REPORT

#### SUMMARY FOR INFORMATION OF SITE OPERATOR

 BUSINESS NO
 FB0169

 SITE NO
 FS1056

 CASE NO
 20230524

DATE OF VISIT14/11/2023SITE NAMEStroneINSPECTORInspector

#### Statutory test summary

A statutory test was conducted to test for the presence of infectious salmon anaemia following a positive real-time PCR (QPCR) result from a previous inspection (see report for case 2023-0511). The site had experienced increased mortality levels and a number of moribund fish were observed across the site, therefore additional histology samples were collected from four fish.

Samples were screened for infectious salmon anaemia virus (ISAv) by QPCR. The samples tested positive for infectious salmon anaemia virus (ISAV) by QPCR and the sequence data confirmed the presence of ISAv HPR0, the non-pathogenic form of the virus. No further statutory action is required to be taken in this case, infection with ISAv HPR0 not being a disease listed in The Aquatic Animal Health (Scotland) Regulations 2009. The initial designation notice which was served has now been withdrawn.

Histopathological examination revealed features resembling *Aeromonas salmonicida* (Furunculosis). Hepatocellular necrosis and necrotising splenitis were also observed. One fish also displayed areas of light H&E stain in the compactum stratum of the heart.

#### **Samples**

One hundred and fifty Atlantic salmon were tested for the presence of infectious salmon anaemia virus (ISAv). Samples were collected according to the table below:

Fish number	Pool number	Facility number	Stage	Origin
F1-10	P1-5	4	2023 Q1 Atlantic salmon	Loch Langavat FS0149
F11-22	P6-11	1	2023 Q1 Atlantic salmon	Applecross Smolt Unit FS0500
F23-32	P12-16	3	2023 Q1 Atlantic salmon	Loch Langavat FS0149
F33-44	P17-22	2	2023 Q1 Atlantic salmon	Loch Langavat FS0149
F45-54	P23-27	5	2023 Q1 Atlantic salmon	Loch Langavat FS0149
F55-64	P28-32	7	2023 Q1 Atlantic salmon	Clachan Hatchery FS0398

R16

F65-74	P33-37	6	2023 Q1 Atlantic salmon	Loch Langavat FS0149	
F75-84	P38-42	10	2023 Q1	Applecross Smolt Unit	
17004	175-04 150-42		Atlantic salmon	FS0500	
F85-94	P43-47	8	2023 Q1	Clachan Hatchery	
100-94	1 40-47	0	Atlantic salmon	FS0398	
F95-104	P48-52	9	2023 Q1	Clachan Hatchery	
1 95-104	F95-104 F46-52		Atlantic salmon	FS0398	
F105-114	P53-57	11	2023 Q1	Applecross Smolt Unit	
F105-114	F105-114 P53-57	11	Atlantic salmon	FS0500	
F115-124	P58-62	14	2023 Q1	Applecross Smolt Unit	
1 113-124	F 30-02	14	Atlantic salmon	FS0500	
F125-136	P63-68	12	2023 Q1	Ormsary Smolt Unit	
F125-150	F03-00	12	Atlantic salmon	FS0575	
F137-148	P69-74	13	2023 Q1	Ormsary Smolt Unit	
F 137-140	F09-74	13	Atlantic salmon	FS0575	
F149-150	P75	Not	2023 Q1	Unknown	
F 149-130	F75	recorded	Atlantic salmon	UIKIIOWII	

In addition, fish 79, 82, 101 and 112 were sampled for histological examination.

#### **Observations**

Externally, F79 had a distended abdomen with shortened opercula on F112. Haemorrhaging was observed on the ventrum of F79 and the gills of F79, 82 and 101 were pale, with zoning noted on F82, 101 and 112 also.

Internally, F79 and 82 had bloody ascites and the heart of F79 was pale/anaemic. Petechial haemorrhaging was observed on the livers and pyloric caeca of F79 and 112, and in the body wall of F82 and 101. The swim bladders of all fish (F79, 82, 101 and 112) also had haemorrhaging. The spleen was enlarged in F101 and the kidney was grey in F79 and granular in F79 and 101.

#### Results

#### Virology

Tissue samples were tested for the presence of segments of RNA indicative of the presence of ISAv using real-time PCR (QPCR).

Fish	Cp value	Cp value	Cp value	Reported result
Number				
F2	37.59	37.06	>40	POSITIVE
F19	37.45	37.25	36.76	POSITIVE
F58	35.48	34.85	35.24	POSITIVE
F60	37.12	37.38	37.00	POSITIVE
F114	38.83	37.61	37.82	POSITIVE
F131	>40	>40	>40	POSITIVE
F144	35.30	35.05	35.60	POSITIVE

The following 7 fish tested positive for ISAv:

Sequencing confirmed 100% identity of ISA HPR0.

The remaining fish all tested negative for ISAv by QPCR.

Tissue samples from the above fish were also tested for the presence of Infectious salmon anaemia virus (ISAv) by cell culture. The results of these tests were negative.

#### Histology:

Tissue samples of gill, skin and skeletal muscle, heart, pyloric caeca, pancreas, hind gut, liver, spleen and kidney were taken from four 4 fish. The tissue samples were fixed in 10% neutral buffered formalin.

Histopathological examination revealed the following:

<u>Gill:</u> Minor, multifocal lamellar hyperplasia (F79). Several aggregates of Gram-negative bacteria (F82). Free blood among gill filaments (F101). Lamellar telangiectasia (F112). Some post- mortem artefacts observed (F82, F112).

Skin & Muscle: Minor myositis (F82). F1: not present.

<u>Heart:</u> Mild epicarditis (F79, F101, F112). Gram-negative bacterial aggregates observed on the atrium chamber wall (F79, F82). Minor myocarditis (F101). Areas of light H&E stain observed in the compact layer (F79, F112).

Gut and pyloric caeca: Within normal range.

Pancreas: Within normal range.

<u>Liver:</u> Hepatocellular necrosis, mild, ranging from multifocal to coalescence (F1) with some haemorrhage (F79, F82) and F82 displayed Gram-negative rod-shaped bacterial aggregates. Mild, diffuse hepatocellular vacuolation (macrovesicles) (F82). Some sinusoidal congestion (F82, F101). Some capsulitis (F112).

<u>Kidney:</u> Occasional tubules with mineralisation (F79). Some interstitial cell (haemopoietic) necrosis (F82) with Gram-negative rod-shaped bacterial aggregates. Some foci of haemorrhage (F82).

<u>Spleen:</u> Necrotising splenitis (F82, F101, F112) with Gram-negative rod-shaped bacteria, multifocal, mild (F82). F112 also exhibited one giant cell.

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

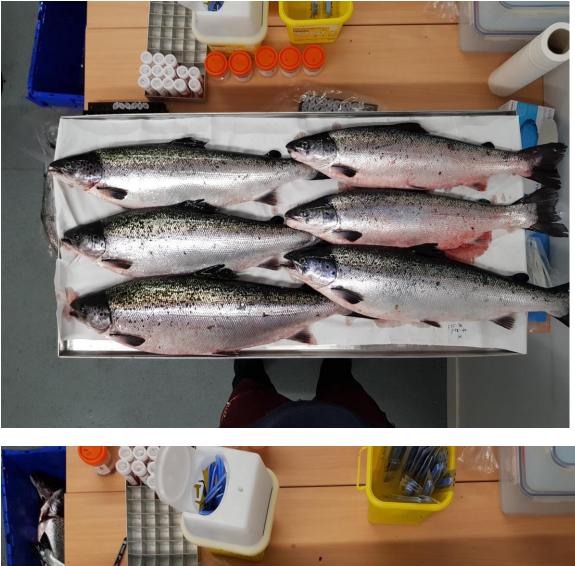


Signed:

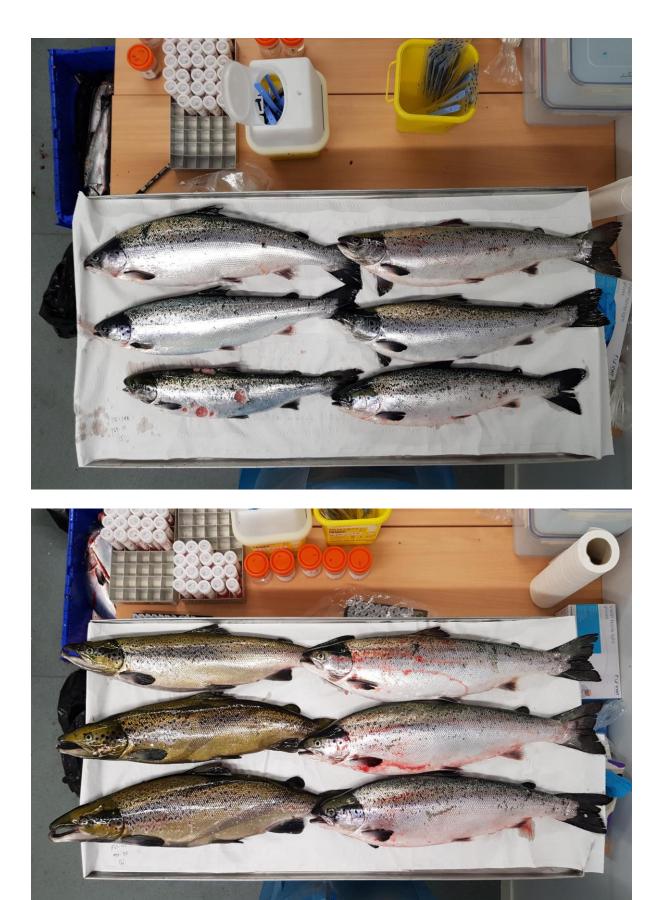
Date: 20/12/2023

**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)





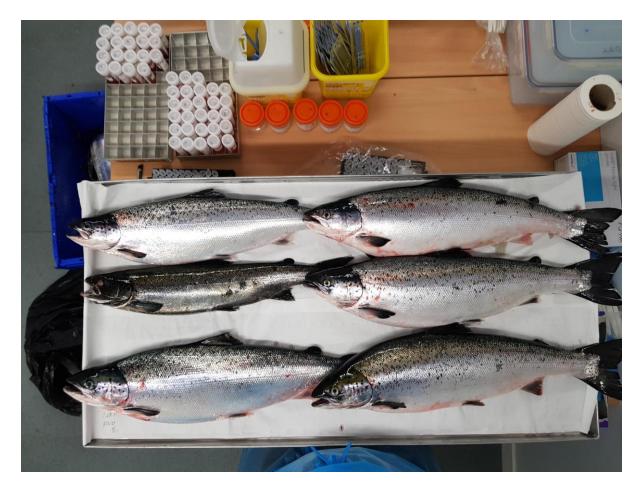






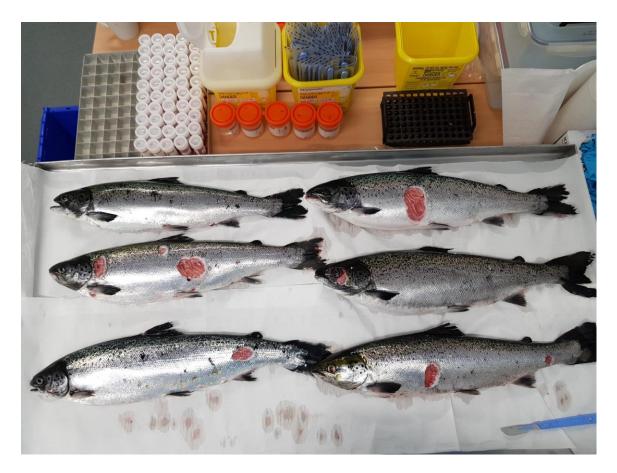












F79 DIA –





F7-F8



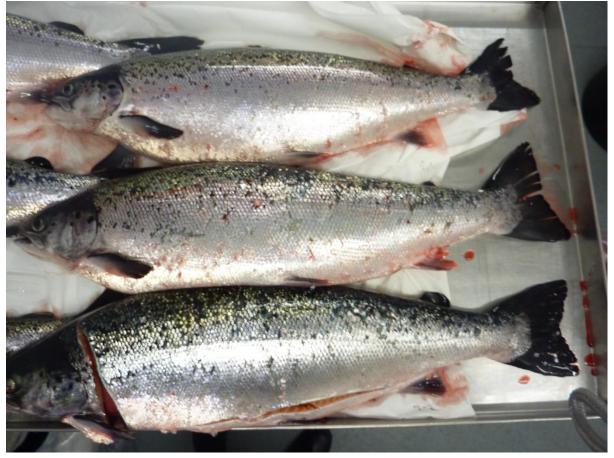
F9-F10



F17-F19



F20-F22



### F29-F30



F31-32



F51-F52



F53-F54



F71-F72



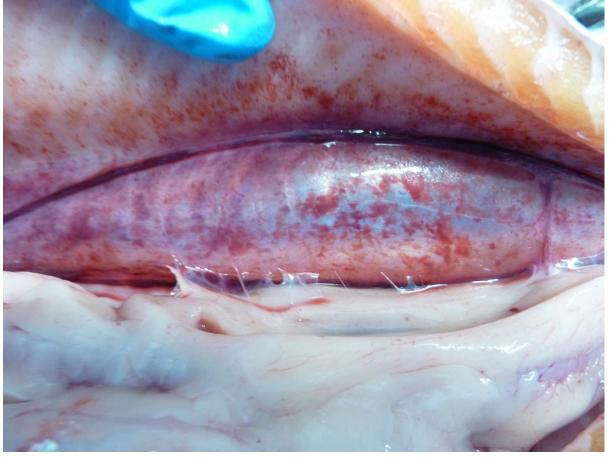
F73-F74

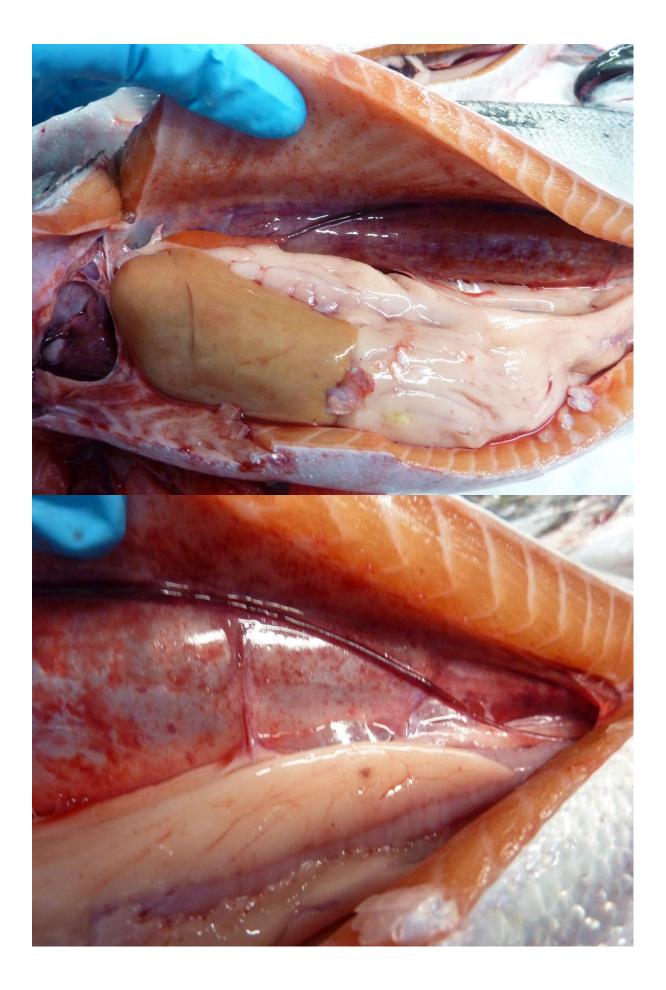


F81-F82



# F82 internal

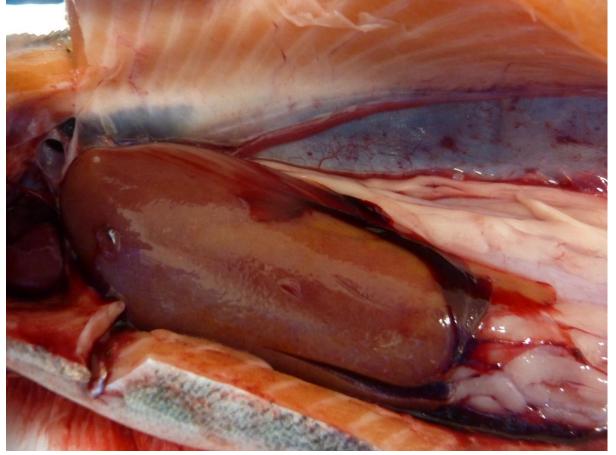


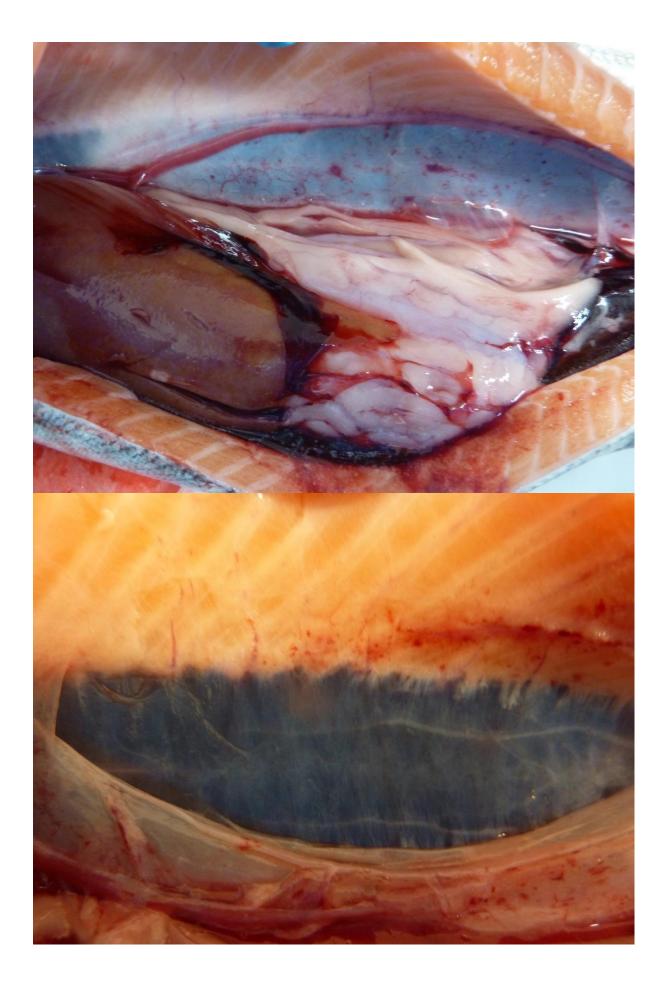


# F101 gills



# F101internal





### F104-F105



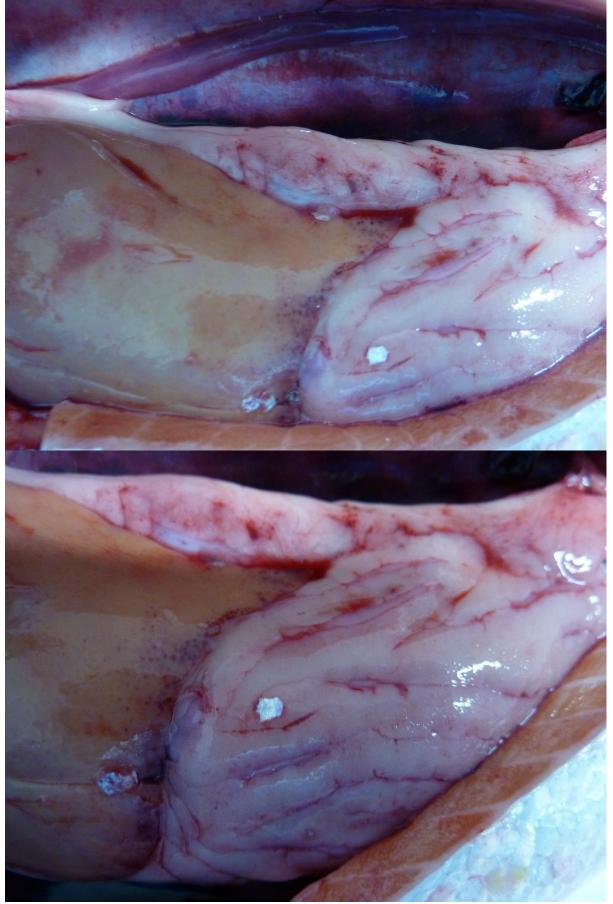
### F111-F112

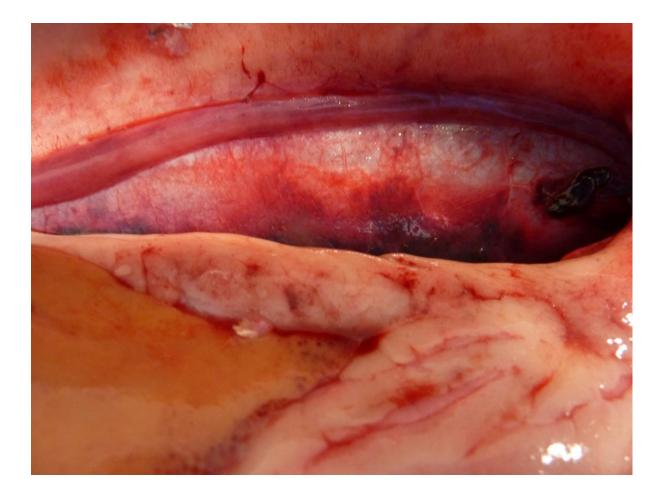


# F112 gills



# F112 internal





## F113-F114



F121-F122



## F123-F124



F131-F133



## F134-F136



FHI 059, Version 13	lss	sued by: FHI	Date of issue: 12/05/2020
Case No: 2023-0525			Date of visit: 16/11/2023
Time spent on site: 3	1	Main Inspe	ctor:
Site No: FS0858 Business No: FB0125	Site Name: Business Name:	Fada Scottish Sea Farms Ltd	
Case Types: 1 REP 2	2 DIA 3	4 5	6
Water Temp (°C): 11.3	Thermometer No:	T173	FHI 045 completed
Observations:	Region: HI	Water type: S	CoGP MA: M-10
Dead/weak/abnormally behaving Clinical signs of disease observed Gross pathology observed? Diagnostic samples taken?	•	y If yes, see additional in	formation/clinical score sheet. formation/clinical score sheet. formation/clinical score sheet.
UNI/REG only - if unable to carry	out intended visit detail re	eason below:	

Peroxide treatments in October (tarp), September (tarp), August (wellboat) and July (tarp). A further treatment is scheduled for 19/11/2023

One moribund and one runt removed for diagnostic sampling. A number of lethargic fish were observed in all cages but displayed a good startle response so could not be caught.

AGD scores increased in July mortalities started increasing in week 34 peaking in week 38 (3,317 (1.92%)) and 39 (3,756 (2.19%)). Mortality numbers rapidly increased in week 41 peaking in week 43 (26,479 (14.48%)) and week 44 27943 (17.80%)) before reducing in week 45 (2,079 (1.56%)) however this week numbers are increasing with 4,921 (3.68%) recorded to date 16/11/2023.

Wrasse mortalities last four weeks:wk 46 8 (0.12%), wk 45 16 (0.31%), wk 44 23 (0.45%), wk 43 5 (0.10%).

FHI 059, Version 13			Issue		Date of issue: 12/05/2020				
Case No:	2023-0525	]	Site No:	FS0858	]				
Date of Visit:		16/11/2023	]		Inspector(s):			I	
Registration/Autho									
1. Business/site deta	•	checked by s	ite representa	tive?			Y		
2. Changes made to	details?						Y	1	
Site Details (includ	e cleaner fis	h for all sect	ions)						
Total No facilities		7	Facilities sto	cked	6	No facilitie	s inspected	6	
Species	SAL	WRS							
Age group	2023 q2	wild							
No Fish	86,516	6,000							
Mean Fish Wt	1.5kg	N/A							
Next Fallow Date (S		May 2024		Next Input Da		unsure			
Recent (last 4 wks)		lems?		Y	Any escapes	(since last	visit)?	N	
If yes, detail:	AGD								
Movement Records         1. Movement records available for inspection?         2. Date of last inspection:         3. Are records complete and correctly entered?         4. Are movement records available for dead fish and waste?         5. Are records complete and correctly entered?         6. Are health certificates for introductions (outwith GB) available?         Transport Records         1. Are any movements carried out by (or on behalf) of the business (not using a STB)?         If yes, is there a system in place for maintenance of transportation records?									
Mortality Records	e ellette (e el								
<ol> <li>Mortality records a</li> <li>How are mortalitie</li> </ol>		•			Whole fish -	Dundae Ch	omicals	I	
If other detail:		) (			whole lish -	Dunuas Che	ernicais		
	complete and	correctly ent	ared?					Y	
3. Mortality records complete and correctly entered?       Y         4. Recent mortality (last 4 wks):       see additional information									
5. Evidence of recer	· · · ·	atypical mortal						Y	
If yes, facility nos/no				reason:					
see additional inform									
6. Any other peaks in		iring period ch	necked?					Y	
If yes, detail:	see addition	al information							
7. Have increased (u	unexplained)	mortalities be	en reported to	vet or FHI?				N/A	
If yes, detail action:									
8. Have 'mortality ev	ents' been re	ported to FHI	? If no, enter o	details on mort	ality events sh	neet.		Y	

Treatments and Medicines Records	
1. Recent treatments (see comment)?	Y
If yes, detail: Optomease, Paramove	
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)? Optomease	
If other, detail:	
6. Are medicines stored appropriately?	Y
Biosecurity Records	
1. Biosecurity records available for inspection?	
2. Has the manner and frequency of mortality removal, recording and safe disposal been considered?	
3. Has the manner and period in which the APB will notify Scottish Ministers or veterinary professional of any	
increased (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 disea	.se
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?	Ý
2. If yes, are results available for inspection?	Ý
3. Any significant results?	Y
If yes, detail (if not detailed under recent disease problems). AGD	
Departs shocked between 26/4/2022 to 16/11/2022	
Records checked between: 26/4/2022 to 16/11/2023	

FHI 059, Version 13							lss	ued by:	FHI			
Case no:	2023-05	525	Site No:		FS0858			Date of		16/	11/2023	16/ <sup>-</sup>
Priority samples:	VI		BA		PA		MG	Samplir x	ig: HI		I	
Time sampling starts/ends:	<u>.</u>	00:00	13:0	0:00		Inspecto	or:			VMD No	р.	0
Environmental conditions:	1	Indoors	2		3		4		5			
Summary samples	HIST	Y	BA	Y	MG	Y	VI		PA		Total Sa	amples
Add Fish/Pools - click												
Pool/Fish No	F1	F2										
Fish nos	1	2										
Pool Group	P1 SAL	P1 SAL										
Species Average weight	1.4kg	300g										
Sex	N/A	300g N/A										
Water Type	SW	SW										
Stock Origin	N Barcaldine smolt unit	L Barcaldine smolt unit										

11/2023	1/2023 Additional Sample Information:											
	Duplica	te RNA	later sa	mple tak	ken for f	1 due to	observe	ed clinica	al signs			
2	J	Total Te	ests ass	igned	3	l						
	•		-			1	-				 -	

FHI 059, Version 13			Issued by: FHI					Date of issue: 12/05/2				5/2020
Case no:	2023-0525		Site No: FS0858			M	Method of killing: Percussive					
Date of visit:	16/11/202	3	Inspector(s):		Sheet Relevant: Y			Y	]			
C (												
Fish Number	nce: M for medium presence: W fo	r weak pres	ence	1			1					1
	er death (if > 45 minutes)											
External Signs												1
Behaviour	Moribund	S	S									1
	Lethargic											
	Hanging vertical	S										
	Spiralling	_										
	Flashing Loss of equilibrium											4
Body	Dark	m	s									
	Distended abdomen		-									1
	Anorexic											1
	Scale Oedema											
Opercula	Shortened											
	Flared											
Haemorrhaging	Throat											ł
	Ventrum Base of fins											
	Elsewhere											ł
Eyes	Exophthalmic											1
	Enophthalmic (sunken)											1
	Cataract											1
	Haemorrhagic											
Gills	Pale											
	Zoned	m	m									-
Lagiana	Necrotic Flank											-
Lesions	Elsewhere	_										
Vent	Inflamed											
	Trailing faeces											
Lice Load	Estimate numbers											1
Internal Signs												
Ascites	Clear											
Oedema	Bloody In tissues											1
Heart	Pale/anaemic											ŀ
licart	Granulomas											
	Deformed	m	m									1
Liver	Petechial haem											1
	Gross haem											
	Tissue breakdown											
	Enlarged	8	5									
	Colour number(s) Granulomas	0	5									ł
	Lesions											ł
Pyloric caeca	Petechial haem											1
	Tubules mauve											1
	Lack of fat											]
Spleen	Enlarged	m	m									ļ
•	Granulomas	_										
Gut	No food present Yellow pseudo-faeces											ł
	External haem											
	Internal haem											ł
Body wall	Haemorrhaging											1
Swim bladder	Haemorrhaging											1
	Fluid filled											1
Kidney	Swollen											]
	Grey											
	Granular											ł
Gonoral	Liquefied Parasitos prosont											ł
General	Parasites present											ł
	Anaemia						I					1

Issued	by:	FHI

Case no:	2023-0525

Г

Date of visit:

16/11/2023

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

• •	nce: M for medium presence: W for	N	_	 1			 -
Fish Number							
	er death (if > 45 minutes)						
External Signs							
Behaviour	Moribund						
	Lethargic						
	Hanging vertical						
	Spiralling						
	Flashing						
	Loss of equilibrium						
Body	Dark						
,	Distended abdomen						
	Anorexic						
	Scale Oedema						
Opercula	Shortened						
Opercula	Flared						
Heemerrheeing	Throat						
Haemorrhaging							
	Ventrum						
	Base of fins						
-	Elsewhere						
Eyes	Exophthalmic						
	Enophthalmic (sunken)						
	Cataract						
	Haemorrhagic						
Gills	Pale						
	Zoned						
	Necrotic						
Lesions	Flank						
	Elsewhere						
Vent	Inflamed						
	Trailing faeces						
Lice Load	Estimate numbers						
Internal Signs							
Ascites	Clear						
	Bloody						
Oedema	In tissues						
Heart	Pale/anaemic		_				
Tican	Granulomas						
	Deformed		_				
Liver	Petechial haem						
LIVEI							
	Gross haem						
	Tissue breakdown						
	Enlarged						
	Colour number(s)					 -	
	Granulomas						
_ · ·	Lesions						
Pyloric caeca	Petechial haem						
	Tubules mauve						
	Lack of fat						
Spleen	Enlarged						
	Granulomas						
Gut	No food present						
	Yellow pseudo-faeces						
	External haem						
	Internal haem						
Body wall	Haemorrhaging						
Swim bladder	Haemorrhaging						
	Fluid filled						
Kidney							
	Swollen						
	Swollen Grey						
	Swollen Grey Granular						
	Swollen Grey Granular Liquefied						
General	Swollen Grey Granular						

2023-0525

Case No:	2023-0525			Date of visit:	16/11/2023	]		
Site No:	FS0858	l		Inspector:		I		
Results Summary	Freq.			Da	te of Notifica	tion		
		Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Insp
IPN (PCR) - IPNM	0/2	17/11/2023		17/11/2023		15/12/2023		
VHS (PCR) - VHSP	0/2	17/11/2023		17/11/2023		15/12/2023		
ISA - ISAQ	0/2	17/11/2023		17/11/2023		15/12/2023		
Salmonid alphavirus (SAV) (PCR) - SALP	0/2	17/11/2023		17/11/2023		15/12/2023		
Piscine myocarditis virus (CMS) (PCR) - PMVP	0/2	17/11/2023		17/11/2023		15/12/2023		
AGD (Neoparamoeba perurans) (PCR) - AGDQ	2/2	21/11/2023		21/11/2023		15/12/2023		
IHN (PCR) - IHNP	0/2	21/11/2023		21/11/2023		15/12/2023		
	0/2 2/2	21/11/2023		21/11/2023		15/12/2023		
Paranucleospora theridion (PCR) - PNST		21/11/2023		21/11/2023		15/12/2023		
Salmon gill poxvirus (PCR) - SPVP	1/2	21/11/2023		21/11/2023		15/12/2023		
Yersinia ruckeri (ERM) · YRUK	1/2	30/11/2023		30/11/2023		15/12/2023		
Amoebic gill disease (histology) - AMGD	2/2	11/12/2023		11/12/2023		15/12/2023		
Epitheliocystis - EPIT	2/2	11/12/2023		11/12/2023		15/12/2023		
Liver pathology - LPAT	2/2	11/12/2023		11/12/2023		15/12/2023		
Heart pathology - HPAT	2/2	11/12/2023		11/12/2023		15/12/2023		
Report Summary								

Report Summary			
Case Type	Date	Insp	2 <sup>nd</sup> Insp
DIA, REP	15/12/20	23	
	_		
	_		
	_		

2023-0525

# FISH HEALTH INSPECTORATE VISIT REPORT

#### SUMMARY FOR INFORMATION OF SITE OPERATOR

 BUSINESS No
 FB0125

 SITE No
 FS0858

 CASE No
 20230525

DATE OF VISIT 16/11/2023 SITE NAME Fada INSPECTOR

#### Section 1: Summary

The site was inspected following reports of increased mortalities occurring. On inspection of stocks lethargic fish were observed in all pens but these could not be caught by hand net, two moribunds were observed and removed for further examination and subsequent diagnostic sampling.

Histopathological examination revealed features consistent with mild to moderate, multifocal, hyperplasic branchitis, amoebic gill disease (AGD) (confirmed by qPCR). Hepatocellular necrosis and minor myocarditis also observed.

Gill samples tested positive for the gill related pathogens: *Paranucleospora theridion* and salmon gill poxvirus (SGPV).

Yersinia ruckeri was identified on plates taken from kidney material, the level and purity of growth would not suggest it would be implicated as a primary source of morbidity.

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

#### Section 2: Case Detail

#### **Observations**

The site was inspected following reports of increased mortality occurring on site, attributed to AGD. A peak of 17.80% (27943) was recorded in week 44 before reducing in the following weeks however numbers remained elevated.

On inspection of the stocks there were lethargic fish noted in all pens however these could not be caught as they displayed a good startle response. Two moribund fish were observed and removed for diagnostic sampling.

F1 was hanging vertically in the pen, both fish had darkened bodies and zoned gills.

Internally both fish had deformed hearts with splenomegaly evident. The liver of F1 was dark in appearance.

#### Samples

Samples were collected from F1-2 according to the table below:

Fish number	Facility number	Species	Stage	Origin
1	2	Atlantic salmon	1.4kg 2023 Q2	Barcaldine Smolt Unit
2	1	Atlantic salmon	300g 2023 Q2	Barcaldine Smolt Unit

<u>Results</u>

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

The following bacteria were isolated:

• Yersinia ruckeri (kidney F1)

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

Salmon gill poxvirus (SGPV)

Fish Number	Endogenous control Cp value		Cp Values	Reported Result (PCR)		
F1	19.36	34.48	34.49	34.97	POSITIVE	
F2	-	-	-	-	Negative	

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

**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	19.36	25.75	26.05	25.83	POSITIVE
F2	18.85	29.54	29.32	29.63	POSITIVE

#### Paranucleospora theridion

#### Neoparamoeba perurans (AGD)

Fish Number	Endogenous control Cp value		Cp Values	Reported Result (PCR)	
F1	19.36	22.74	22.72	22.76	POSITIVE
F2	18.85	27.83	27.73	27.49	POSITIVE

**Histology:** Tissue samples of gill, skin and skeletal muscle, heart, pyloric caeca, pancreas, hind gut, liver, spleen and kidney taken from F1 and 2. The tissue samples were fixed in 10% neutral buffered formalin.

Histopathological examination revealed the following:

Gill: Lamellar hyperplasic branchitis, ranging from mild to moderate, multifocal (F1-F2) with areas of cellular necrosis (F1). Presence of several amoeboid cells resembling *Neoparamoeba perurans* observed in F1 and few basophilic epithelial inclusions (likely epitheliocystis) F1 and F2. Some cell debris among gill filaments.

Skin & Muscle: Within normal range.

Heart: Minor to mild, multifocal, myocarditis (F1, F2). Mild epicarditis (F1).

Gut and pyloric caeca: Reduced abdominal adipose tissue (F2).

Pancreas: Within normal range.

Liver: Hepatocellular necrosis, mild, multifocal (F1) with focal sinusoidal congestion and haemorrhage (F1), hepatocellular vacuolation (macrovesicles), mild, diffuse (F2).

Kidney: Interstitial cell (haemopoietic) necrosis, mild, multifocal with circulating inflammatory cells (F1) and increase numbers of melanomacrophages (F2).

Spleen: Focal area of necrosis and some cuffing (F1), slightly congested (F2).

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

Signed:

Date: 12/12/2023

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)















F2





F2

FHI 059, Version 13		Issued by: FHI		Date of is	ssue: 12/05/2020
Case No: 2023-0529				Date of visit: 2	29/11/2023
Time spent on site: 3.	5hrs		Main Inspector	:	
Site No: FS0839 Business No: FB0169	Site Name: Business Name:	Geasgill Bakkafrost Scotla	and		
Case Types: 1 ECI 2	2 CNI 3 SLI	4	5	6	
Water Temp (°C): 10.4	Thermometer No:	Т309		FHI 045 complet	ied
Observations:	Region: ST	Water type:	S	CoGP MA	M-37
Dead/weak/abnormally behaving fish present?       Y       If yes, see additional information/clinical score sheet.         Clinical signs of disease observed?       Y       If yes, see additional information/clinical score sheet.         Gross pathology observed?       N       If yes, see additional information/clinical score sheet.         Diagnostic samples taken?       N       If yes, see additional information/clinical score sheet.					
UNI/REG only - if unable to carry	out intended visit detai	il reason below:			

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

Salmon came on from the Ormsary Smolt Unit (FS0575) and Applecross (1 cage of this stock remains on site) and were performing well until a period of elevated mortality during June and July. The elevated mortalities were attributed to PD, combined with FW treatments. Mortality has since reduced and has been below the reporting threshold since wk41.

Slice treatments were completed early on in the cycle (in Dec, Feb and Mar) and only FW treatments have been conducted since.

Site normally grows to harvest, however fish were split down and 2 cages were sent to Lamlash for ongrowing. Lamlash lies in a different CoGP area (M-48) and a different disease management area (20) to Geasgill (M-37 and 16a). Lamlash is the only site in its DMA and both sites hold the same yearclass of fish. Lamlash was also fallow prior to receiving fish from Geasgill. Wrasse that were on site at the time of transfer, were moved across to Lamlash with the salmon. A risk assessment was completed and was available for inspection.

Site conducts live haul harvests to Carindow.

Mortality above reporting threshold: Wk37-50, 52 2021. Wk1, 5, 18, 21-22 2022. Wk28 2023: 20,535 (2.97%), wk29: 53,901 (8.02%), wk30: 85,914 (14.93%), wk31: 49,593 (11.01%), wk32: 35,268 (8.8%), wk33: 27,165 (7.43%), wk34: 12,633 (3.73%), wk35: 15,741 (4.83%), wk 36: 3,981 (1.28%), wk37: 5,478 (1.79%), wk38:6,485 (2.16%), wk39: 3,493 (1.19%), wk40: 3,773 (1.3%).

Mortalities above reporting threshold this cycle were attributed to PD, combined with poor gill health and treatment losses. All were reported with the exception of the event that occurred in wk44 2021. Information was collected during the inspection and a notification was submitted retrospectively. NFA.

Fish were vaccinated against furunculosis, IPN and 22Q3 stock were also vaccinated against PD. Fish displaying clinical signs of PD were observed during the inspection, but were unable to be caught using a handnet. Fish in the next cycle will be vaccinated with the Claynav PD injection following positive results during trials.

Wk36 2021: 1.03 average adult female leps. Reduced week after. Wk38: 2.5 (physical treatment), wk41: 1.89, wk42: 1.51, wk43: 4.38, wk44: 3.78 (physical), then dropped to 0.48.. Wk21 2023: 0.98 then 1.14, then 0.6, 1.58, 0.65.

Wildcaught wrasse sourced from the local area were input to site in June and have been performing well since input. Appeared in good health during inspection. Site has lost 12,101 wrasse since input.

The general population of salmon across the site appeared in good condition and were actively shoaling in the cages. Lethargic fish exhibiting physical damage were also observed in most of the cages. Physical damage had been attributed to previous SRS infection followed by secondary bacterial infection. The extent of the damage ranged from minor to moderate. Where these fish could be caught with a handnet, they were removed at the time and humanely dispatched.

Inspection and paperwork completed by \_\_\_\_\_, observed by \_\_\_\_\_.

FHI 059, Version 13	Issued	by: FHI	Date of issue: 12/05/2020
Case No: 2023-0529	Site No: FS	0839	
Date of Visit: 29/11/2023	]	Inspector(s)	
Registration/Authorisation Details		2	
<ol> <li>Business/site details summary checked</li> <li>Changes made to details?</li> </ol>	a by site representative	<i></i>	Y Y
Site Details (include cleaner fish for all	sections)		
Total No facilities 14	Facilities stocked	10	No facilities inspected 14
Species SAL WRA			
Age group 22Q3 Wildcaught			
No Fish 274,852 19,354			
3.7kg 100g Mean Fish Wt			
Next Fallow Date (Site) May 24	Next In	out Date (Site)	August 24
Recent (last 4 wks) disease problems?		<u> </u>	s (since last visit)? N
If yes, detail: PD and poor gill health			
Movement Records			
1. Movement records available for inspec	tion?		Y
2. Date of last inspection:			16/06/2021
3. Are records complete and correctly ent	ered?		Y
4. Are movement records available for de	ad fish and waste?		Y
5. Are records complete and correctly ent	ered?		Y
6. Are health certificates for introductions	(outwith GB) available	?	N/A
Transport Records			
1. Are any movements carried out by (or	on behalf) of the busin	ess (not using a S	STB)? Y
If yes, is there a system in place for main	tenance of transportat	on records?	Y
Mortality Records			
1. Mortality records available for inspection	n?		Ý
2. How are mortalities disposed of?		Whole fish -	Dundas Chemicals
If other detail:	h		V
3. Mortality records complete and correct			
4. Recent mortality (last 4 wks):		), WK45: 1,493 (0	.54%), Wk44: 1,910 (0.68%), Wk43:
• · · · · · ·	1,508 (0.89%)		× ×
5. Evidence of recent increased/atypical r			1
If yes, facility nos/no mortality per facility/n			search is a dwith DD and search will be alth
Slightly elevated mortality in wk43 has be 6. Any other peaks in mortality during per		nt FVV treatment,	
If yes, detail: See additional info.			
7. Have increased (unexplained) mortaliti	es been reported to va	t or EHI2	N/A
If yes, detail action:			11/2
8. Have 'mortality events' been reported to	o FHI? If no enter det	ails on mortality e	vents sheet
o. have mortality events been reported t	o Fritti Artio, effici del	and on montainty e	

Treatments and Medicines Records	
1. Recent treatments (see comment)?	Y
If yes, detail: Optomease	
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?	N
5. If yes, what treatment(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?	Y
3. Has the manner and period in which the APB will notify Scottish Ministers or veterinary professional of any	
increased (unexplained) mortality at the site been included?	Y
4. Has the action that will be taken in the event that the presence or suspicion of the presence of a listed	
disease is detected been included and how and when that will be notified to Scottish Ministers?	Y
5. Has the health status of aquaculture animals being stocked on the farm site been covered (equal or	Y
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?	Ý
2. If yes, are results available for inspection?	Ŷ
3. Any significant results?	Ŷ
If yes, detail (if not detailed under recent disease problems). PD, AGD	
Records checked between: 16/06/21 - 23/11/23	

Issued by: FHI

		issued by. I Th			2010		. 12/03/2020
Case Number:	2023-0529		Site No:	FS0839		Insp:	
Date of Visit	29/11/2023		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	0	9	18	26	0
0,000	Number of sup	ncluding third country	0	5	10	14	0
Name and a state		•	-				
Movements off	Frequency of n Number of des		0	3	6	10 10	10
Exposure via water	Number of des	Site contacts		1-5		10	
Water contacts with other	Farm is protect	ted (secure water supply through			0-10		<b>—</b>
farms (holding species	disinfection or	borehole)	0				
susceptible to same diseases)	farms upstream	or in a coastal zone with category I n or within 1 tidal excursion	1	2	4		1
		or in a coastal zone with category III					
	•	n or within 1 tidal excursion or in a coastal zone with category V	1	3	6		
		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	No on farm pro	ocessing					
the rules of the directive	Processing ow	n fish (re-cycling risk)	0				0
	Processing fish from MS of equivalent status						
	-	2					
	Processing fish from zone or compartment of equivalent status						
	Processing fish	n from Category III farm	8				
	Processing fish	n 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				3
	Collection poin	t for waste from other farms	5				
Use of unpasteurised feeds	No feeding of u	Inpasteurised feed	0				0
	Feeding unpas	•	5				<u> </u>
Biosecurity		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	1	2		0
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				
					Total		18
					Rank		MEDIUM

Case No:

#### Sea Lice Inspection (Seawater Sites Only)

1. Has the site experienced sea lice problems in the previous 4 years?

2. Is the CoGP Farm Management Area (or equivalent) fallowed synchronously on a single year class basis?

3. Does the site have access to a range of licenced in-feed and bath sea lice medications (including deltamethrin, azamethiphos and emame these be deployed in a reasonable period of time?

4. Is there a signed documented farm management agreement or statement relevant to the site and CoGP Farm Management Area (or equiv

- 5. Are sea lice count records available for inspection? (Legal SSI, CoGP Annex 6)
- 6. Do records adequately reflect the required standard specified in the SSI and the CoGP? (Legal SSI, CoGP Annex 6)

7. Are sea lice (L. salmonis) record levels below the suggested criteria for treatment in the CoGP during the period that records are inspecte

8. Have average adult female sea lice (L. salmonis) numbers per fish been at a level of 3 or above (prior to w/b 10/6/19) or 2 or above (from

If yes, have these been reported to the Fish Health Inspectorate? If no, FHI see comment. 9. Is *C. elongatus* infestation at a level which is considered to cause significant welfare problems? (CoGP 4.3.81, 5.3.50)

10. Have therapeutic treatments been administered or other actions taken when L. salmonis levels have exceeded the suggested criteria for

- 11. Has any other action been taken (where applicable)?
- 12. Have therapeutic treatments or the actions taken had a significant impact upon the lice levels recorded?
- 13. Are treatments, where conducted, carried out in cooperation between participating farms?

14. Is there a harvesting strategy for the site, where fewer populations or part populations are held without treatment for sea lice?

15. Is there a site specific written lice management procedure with waypoints describing set actions to deal with recognised scenarios during

16. Do the sea lice levels observed on stocks reflect sea lice count data? If no please detail reasons.

#### Containment Inspection

1. Has the site experienced equipment damage due to predators in the current or previous production cycles?

2. Are measures in place to mitigate against the predation experienced on site? (Detail below)

Sealpro nets, double sashed top nets, stitched.

If other, detail below:

3. Have escape incidents or events been experienced on or in the vicinity of the site since the last FHI inspection?

If Yes proceed with questions 4 - 9. If No skip to question 10

4. Have these been reported to Scottish Ministers?

5. Have these been reported to local DSFB forthwith (where they exist)? (CoGP - 4.4.37, 5.4.17)

6. Have these been reported to the SSPO and local fisheries trusts forthwith (where they exist)? (CoGP - 4.4.37, 5.4.17)

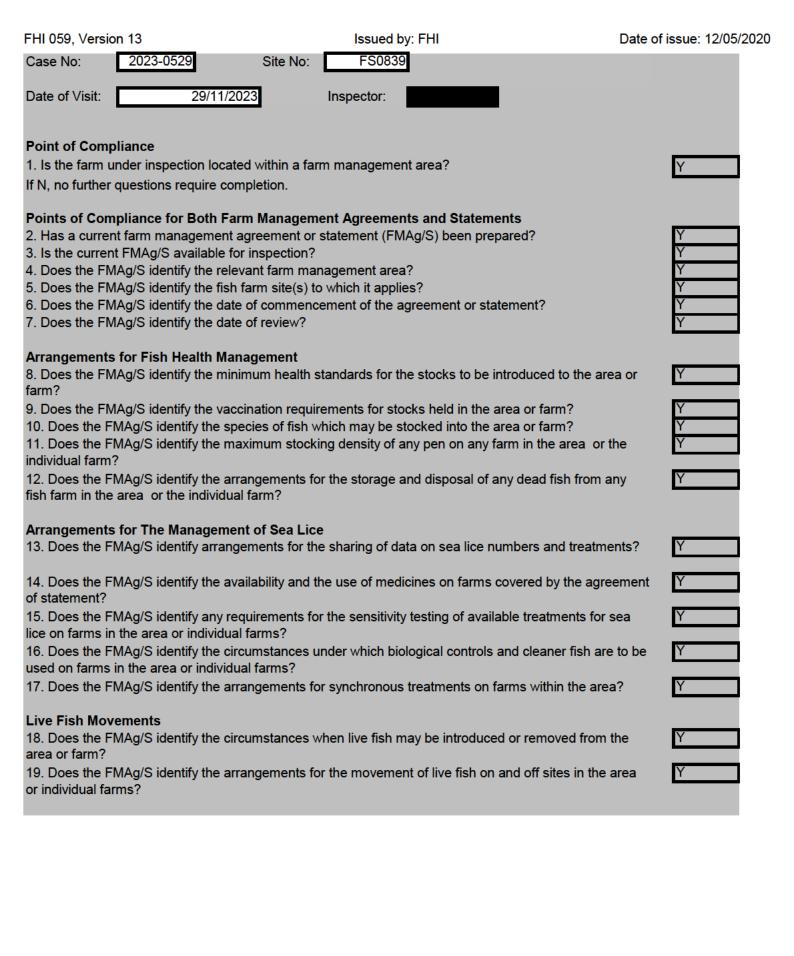
7. Were methods (if any) used to recover escapees? If yes give detail

8. If gill nets were deployed was this action agreed with local wild fish interests and was permission given by Scottish Ministers? (Legal, CoG

9. What action was taken to prevent and minimise the risk of further escapes? (Not covered in code but could be considered under satisfactory measures of the Act)

10. Is the site inspected as satisfactory with regards to containment? If no, please detail reason(s)

FHI 059, Version 13	Issued by: FHI	Date of issue: 12/05/2020
2023-0529	Site No: FS0839	
		Y Y Y
ectin penzoate) as well as access to suitable t	biological and/or mechanical control measures, and can	Y
valent)?		Υ
		Y Y
d? (CoGP Annex 6)	- increase to do	N
w/b 10/6/19) during the period that records are	e inspected ?	Y
		Y N
treatment or where <i>C. elongatus</i> is considered	ed to have welfare implications? (CoGP 4.3.82, 5.3.51)	Y
		Y
		Y
the escalation of a sea lice infestation?		Y
		Y
		Y Y
		Ν
P – 4.4.38, 5.4.18)		
		Y



FHI 059, Version 13	Issued by: FHI	Date of issue: 12/05/2020
Harvesting 20. Does the FMAg/S identify acceptable	harvest practices on farms in the area or individ	dual farms? Y
date when a farm or area may be restock 22. Does the FMAg/S identify whether on agreement or statement? 23. Does the FMAg/S identify whether bro	y which the area or individual farm will be fallow ed? e or more year classes may be stocked onto sit podstock or potential broodstock are to be kept o	es covered by the Y
covered by the agreement or statement? <b>Point of Compliance for Farm Manage</b> 24. Does the farm management agreement parties to the agreement?	ment Agreements Only ent include arrangements for persons to become	e, or cease to be, N/A
Management and operation 25. Is the fish farm being managed and o 26. What is the version no/date of issue o	perated in accordance with the agreement or st of the FMAg/S? Sep-22	atement? Y

Case No: 2023-0529 Site No: FS0839 Date of visit: 29/11/2023

		-		•		-			
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):
01/11/21	07/11/2021	≥750g	2.6kg	SAL	S0	Weekly	3.26	Explained	Gill health related
		-			-				
			_						
			_						

If unexplained, select observations:			Action taken by FHI (include case no where	Yearclass
	event (if available):	company):	applicable):	Year
	20,969		Information collected during routine inspection.	2020
	,		Mortality event is historic. NFA.	
			mortality event to motorio. Hir A.	

Case No:	2023-0529	]		Date of visit:	29/11/2023	3		
Site No:	FS0839	٦		Inspector:	:			
						-		
Results Summary	Freq.		-		te of Notifica		_	
		Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Insp
	_		-				-	
		_	-					
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	+						-	
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	1							
		-		_				
Report Summary								
Case Turne	Dete	Inon	ond i					

Report Summary			
Case Type	Date	Insp	2 <sup>nd</sup> Insp
ECI, CNI, SLI	07/12/202	23	
		_	
	_		

# FISH HEALTH INSPECTORATE VISIT REPORT

#### SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS No FB0169 SITE NO FS0839 CASE NO 20230529

DATE OF VISIT 29/11/2023 SITE NAME Geasgill INSPECTOR

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

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

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

#### Records

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

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

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

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

Mortality records were inspected and found to be adequately maintained.

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

Reports detailing the results of animal health surveillance carried out by or on behalf of the business and/or Marine Directorate were available for inspection.

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

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

Medicine records were inspected and found to be adequately maintained.

#### 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: 07/12/2023

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		Issued by: FHI	Date of issue: 12/05/2020				
Case No: 2023-0535			Date of visit: 21/11/2023				
Time spent on site:	1.5 hrs	Main Ins	pector:				
Site No: FS0681 Business No: FB0061	Site Name: Business Name:	Ormsary Hatchery Landcatch Natural Select	ion Ltd				
Case Types: 1 CNI	2 ECI 3	45_	6				
Water Temp (°C): 8.08	Thermometer No:	T307	FHI 045 completed				
Observations:	Region: ST	Water type: F	CoGP MA:				
Dead/weak/abnormally behavin Clinical signs of disease observ Gross pathology observed? Diagnostic samples taken?	• •	N If yes, see additional	information/clinical score sheet. information/clinical score sheet. information/clinical score sheet.				
UNI/REG only - if unable to carry out intended visit detail reason below:							

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

Site consists of 31 racks and 5 zug racks- egg incubation. A new section has been built in the facility that includes a wash room and space three racks.

Next input is planned for end of November/ December where green eggs will be imported from Ireland (~1million).

On arrival into the hatchery, ova are disinfected with a buffodine solution. To deal with any fungus in incubators, a formalin flush is administered regularly during incubation.

Mortality from previous cycle (2022): 2022 S0- 58825, 1.425% 2022 S1- 66058, 2.31%

FHI 059, Version 13			lssu	ued by: FHI			Date of issu	e: 12/05/2020		
Case No:	2023-0535	]	Site No:	FS068	1					
Date of Visit:		21/11/2023	3		Inspector(s)			I		
Registration/Author			site represent	ative?			Y	1		
2. Changes made to	•	ý	·				Ν	1		
Site Details (include cleaner fish for all sections)										
Total No facilities		1 FW hatchery	Equilities at	alkad	1 FW hatchery	No fooilitio	a increated	1 FW hatchery		
Species	SAL	SAL	Facilities sto	JCKeu	natchery	NO TACIIILE	es inspected	пасспету		
Age group	2024 S0	2025 S1	_		-	-				
No Fish	2,437,406	2,437,061								
Mean Fish Wt	2,407,400 ova	ova								
Next Fallow Date (S		Mid-May 20	24	Next Input D	ate (Site)	Novembe	r 2024			
Recent (last 4 wks)	,				Any escapes			N		
If yes, detail:	· ·			•			,			
<ol> <li>Movement record</li> <li>Date of last inspe</li> <li>Are records comp</li> <li>Are movement re</li> <li>Are records comp</li> <li>Are health certific</li> <li>Transport Records</li> <li>Are any movement</li> <li>If yes, is there a sys</li> <li>Mortality Records</li> <li>Mortality records</li> </ol>	ction: olete and cor cords availab olete and cor ates for intro tates for intro tem in place	rectly entered ble for dead fis rectly entered ductions (out ut by (or on be for maintenar	? sh and waste? ? with GB) avail ehalf) of the bi	able? usiness (not u			10/10/2022	Y Y Y Y Y		
2. How are mortalitie		•			Incinerated -	on site				
If other detail:										
3. Mortality records	complete and	d correctly ent	tered?					Y		
4. Recent mortality (	(last 4 wks):				tional informat eginning dece		currently impo	orting stock		
5. Evidence of recer	nt increased/	atypical morta		<u> </u>	0 0			N		
If yes, facility nos/no	mortality pe	r facility/no ste	ock per facility	//reason:						
<ol> <li>Any other peaks i If yes, detail:</li> </ol>	n mortality d	uring period c	hecked?					N/A		
7. Have increased (unexplained) mortalities been reported to vet or FHI?								N/A		
If yes, detail action:										
8. Have 'mortality ev	vents' been re	eported to FH	I? If no, enter	details on mo	rtality events s	heet.		N/A		
			.,							

Treatments and Medicines Records	
1. Recent treatments (see comment)?	Y
If yes, detail: formalin	
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?	N
5. If yes, what treatment(s)?	
If other, detail:	
6. Are medicines stored appropriately?	Y
Biosecurity Records 1. Biosecurity records available for inspection?	
2. Has the manner and frequency of mortality removal, recording and safe disposal been considered?	
3. Has the manner and period in which the APB will notify Scottish Ministers or veterinary professional of	20)/
<i>increased (unexplained)</i> mortality at the site been included?	
4. Has the action that will be taken in the event that the presence or suspicion of the presence of a listed	disease
is detected been included and <i>how</i> and <i>when</i> that will be notified to Scottish Ministers?	Y
5. Has the health status of aquaculture animals being stocked on the farm site been covered (equal or high	gher Y
health status, certification if required)?	
6. Have the husbandry and biosecurity measures implemented between each epidemiological unit to min	imise 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 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?	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: 10/10/2022-21/11/2023	

FHI 059, Version 13		Issued by: FHI			Dale	JI ISSUE	. 12/05/2020
Case Number:	2023-0535		Site No:	FS0681		Insp:	
Date of Visit	21/11/2023		No of mo	ovements/s	supp./dest.		Score
Live fish movements			0	1-5	6-10	>10	
Movements on (from out		novements on from equivalent MS	0	5	10	14	10
with GB) of susceptible species		novements on from equivalent zone or including third country	0	9	18	26	
	Number of sup		0	5		14	5
Movements off	Frequency of n	novements off	0	3	6	10	10
	Number of des		0	3		10	3
Exposure via water		Site contacts	0	1-5	6-10		
Water contacts with other farms (holding species	Farm is protect disinfection or	ed (secure water supply through porehole)	0				C
susceptible to same diseases)	Farm is on-line	or in a coastal zone with category I n or within 1 tidal excursion	1	2	4		
	farms upstrean	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	plant discharging into adjacent waters	0	1	2		0
On farm processing within the rules of the directive	No on farm pro		0				0
	Processing ow	n fish (re-cycling risk)	1				
	Processing fish	from MS of equivalent status	2				
	equivalent state		4	-			
	- C	from Category III farm	8				
	Processing fish	from Category V farm	10				
Disposal of fish and fish by-		te only processed.	0				
products	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	inpasteurised feed	0				0
	Feeding unpas	teurised feed	5				
Biosecurity		Number of sites	1	2 or 3	≥ 4		
Contacts with other sites		from single shorebase	0	1	2		1
	Sites sharing s	taff and equipment	0	1	2		0
Disinfection of equipment	Yes		0	[			0
between sites, use of footbaths etc	No		1				
CoGP/Regulator				l			
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		32 HIGH
					i tanit		

2023-0535

FHI 059, Version 13	Issued by: FHI	Date of issue: 12/05/2020
Case No: 2023-0535	Site No	FS0681
Sea Lice Inspection (Seawater Sites Only)		
1. Has the site experienced sea lice problems	in the previous 4 years?	
2. Is the CoGP Farm Management Area (or e		
3. Does the site have access to a range of lice azamethiphos and emamectin benzoate) as a can these be deployed in a reasonable period	well as access to suitable biological and/or m	
4. Is there a signed documented farm manage Management Area (or equivalent)?	ement agreement or statement relevant to the	e site and CoGP Farm
5. Are sea lice count records available for insp	pection? (Legal SSI, CoGP Annex 6)	
6. Do records adequately reflect the required	standard specified in the SSI and the CoGP?	(Legal SSI, CoGP Annex 6)
7. Are sea lice ( <i>L. salmonis</i> ) record levels bel records are inspected? (CoGP Annex 6)	ow the suggested criteria for treatment in the	CoGP during the period that
8. Have average adult female sea lice ( <i>L. salr</i> 2 or above (from w/b 10/6/19) during the period		or above (prior to w/b 10/6/19) or
If yes, have these been reported to the Fish H 9. Is <i>C. elongatus</i> infestation at a level which	•	blems? (CoGP 4.3.81, 5.3.50)
10. Have therapeutic treatments been administing suggested criteria for treatment or where <i>C. e</i>		
<ul><li>11. Has any other action been taken (where a</li><li>12. Have therapeutic treatments or the action</li></ul>		levels recorded?
13. Are treatments, where conducted, carried		
14. Is there a harvesting strategy for the site, sea lice?	where fewer populations or part populations a	are held without treatment for
15. Is there a site specific written lice manage scenarios during the escalation of a sea lice in		et actions to deal with recognised
16. Do the sea lice levels observed on stocks	reflect sea lice count data? If no please detail	il reasons.
Containment Inspection		
1. Has the site experienced equipment damage	ge due to predators in the current or previous	production cycles? N
2. Are measures in place to mitigate against t	he predation experienced on site? (Detail below	ow) Y
indoors		
If other, detail below:		
3. Have escape incidents or events been exp	perienced on or in the vicinity of the site since	the last FHI inspection? N
If Yes proceed with questions 4 – 9. If No skip	o to question 10	
4. Have these been reported to Scottish Minis		
5. Have these been reported to local DSFB fo		
6. Have these been reported to the SSPO and	d local fisheries trusts forthwith (where they e	xist)? (CoGP – 4.4.37, 5.4.17)
7. Were methods (if any) used to recover esca	apees? If yes give detail	
8. If gill nets were deployed was this action ag Ministers? (Legal, CoGP – 4.4.38, 5.4.18)	greed with local wild fish interests and was pe	rmission given by Scottish
9. What action was taken to prevent and mini	mise the risk of further escapes? (Not covere	d in code but could
be considered under satisfactory measur		
10. Is the site inspected as satisfactory with re		ason(s) Y

Case No:	2023-0535	]		Date of visit:	21/11/2023	3		
Site No:	FS0681	]		Inspector:				
Results Summary	Freq.				ate of Notifica			
		Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Insp
			-		_			
							-	
Report Summary		1	1	1				

Report Summary			
Case Type	Date	Insp	2 <sup>nd</sup> Insp
ECI, CNI	22/11/20	023	



## SUMMARY FOR INFORMATION OF SITE OPERATOR

 BUSINESS No
 FB0061

 SITE NO
 FS0681

 CASE NO
 20230535

DATE OF VISIT21/11/2023SITE NAMEOrmsary HatcheryINSPECTORInspector

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

Mortality records were inspected and found to be adequately maintained.

No mortality levels exceeding the reporting criteria have been recorded since the last inspection.

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.

# 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.

R04 UKAS accredited testing laboratory No. 1964 Marine Laboratory, 375 Victoria Road, Aberdeen, AB11 9DB Tel - 0131 244 3498 Email - <u>ms.fishhealth@gov.scot</u> Website - https://www.gov.scot/policies/fish-health-inspectorate/

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

The site was also inspected in accordance with the Aquaculture and Fisheries (Scotland) Act 2007 with respect to section 5 regarding containment and escapes.

On this occasion the site was found to be satisfactory.

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

Signed:

Date: 22/11/2023

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	lss	ued by: FHI	Date of issue: 12/05/2020
Case No: 2023-0536			Date of visit: 21/11/2023
Time spent on site:	.5hrs	Main Inspe	ector:
Site No: FS0090 Business No: FB0061	Site Name: Business Name:	Ormsary Broodstock Unit Landcatch Natural Selection	n Ltd
Case Types: 1 CNI	2 ECI 3 SLI	4 VMD 5	6
Water Temp (°C): 11.75	Thermometer No:	T307	FHI 045 completed
Observations:	Region: ST	Water type: B	CoGP MA: M-44
Dead/weak/abnormally behaving Clinical signs of disease observe Gross pathology observed? Diagnostic samples taken?	•	N 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 re	ason below:	

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

All mortalities and culls are incinerated on site (noted by weight on record). Incineration log inspected 21/11/2023, therefore records have been noted as available.

Transport records: captured in mortalities as transfer morts.

As a broodstock site, does not fallow synchronously on a single year class basis. This is noted in the farm management statement that was inspected 21/11/2023. No harvesting takes place on site.

Harvesting strategy not required as site has land based tanks and are able to treat easily.

Case No: 2023-0536 Site No: FS0990 Date of Visit: 21/11/2023 Inspector(s): Registration/Authorisation Details 1. Business/site details summary checked by site representative? Y Case and to details? Site Details (include cleaner fish for all sections) Total No facilities inspected Species SAL SAL SAL V Age group 202151 2022 15 2023 51 Cotal No facilities inspected 21 Species SAL SAL V SAL V SAL V SAL V SAL V V V V V V V V V V V V V V V V V V V	FHI 059, Version 13			lss	ued by: FHI			Date of issu	ie: 12/05/2020
Registration/Authorisation Details         1. Business/site details summary checked by site representative?       Y         2. Changes made to details?       Y         Site Details (include cleaner fish for all sections)         Total No facilities         Species       SAL       SAL       SAL       SAL       Age group         Zoort ST       2021 S1       2022 S1       2023 S1       Age group       Age group       Zoort S1	Case No:	2023-0536		Site No:	FS0090	D			
1. Business/site details summary checked by site representative?       Y         2. Changes made to details?       Y         Site Details (include cleaner fish for all sections)       Total No facilities inspected       10         No facilities       SAL       SAL       SAL         Species       SAL       SAL       SAL       SAL         Species       SAL       SAL       SAL       SAL         No Fish       741 3.272 16.484       Image: Spring 2024       Spring 2024         Recent (last 4 wks) disease problems?       NAny escapes (since last visit)?       N         Next Failow Date (Site)       never failow       Next Input Date (Site)       spring 2024         Recent (last 4 wks) disease problems?       NAny escapes (since last visit)?       N         If yes, detail:       Y       Y       Y         Movement records available for inspection?       Y       Y         2. Date of last inspection:       01/11/2021       Y         3. Are records complete and correctly entered?       Y         4. Are movement records available for on behalf) of the business (not using a STB)?       Y         f yes, is there a system in place for maintenance of transportation records?       Y         Mortality records       2023: Wk46, 130, 0.62%; Wk45, 96, 0.45%; Wk44, 91, 0.42%;	Date of Visit:		21/11/202	23		Inspector(s)	:		
2. Changes made to details?       N         Site Details (include cleaner fish for all sections)       Total No facilities inspected         Total No facilities       21       Facilities stocked       10       No facilities inspected       21         Species       SAL       SAL       SAL       SAL       SAL       SAL       SAL         Age group       2021 S1       2022 S1       203 S1       Image: SAL       SAL       SAL         No Fish       741       3,272       16,484       Image: SAL       SAL       SAL         Near Fish Wt       11.2kg       7.7kg       1.45kg       Image: Spring 2024       Spring 2024         Recent (last 4 wks) disease problems?       N Any escapes (since last visit)?       N       N       Site of tast inspection:       Y         1. Movement records available for inspection?       Y       Y       Y       Y       Y         2. Date of last inspection:       Y       Y       Y       Y       Y         3. Are records complete and correctly entered?       Y       Y       Y         4. Are movement records available for inspection?       Y       Y         1. Are any movements carried out by (or on behalf) of the business (not using a STB)?       Y         If yes, is there a s	Registration/Autho	orisation De	tails						
Site Details (include cleaner fish for all sections)         Total No facilities       21       Facilities stocked       10       No facilities inspected       21         Species       SAL	1. Business/site deta	ails summar	y checked by	site represent	tative?			Y	
Total No facilities       21       Facilities stocked       10       No facilities inspected       21         Species       SAL       SAL       SAL       SAL       SAL       SAL       Species       2021 S1       2022 S1       2023 S1       SAL       Species       Species <td< td=""><td>2. Changes made to</td><td>o details?</td><td></td><td></td><td></td><td></td><td>I</td><td>Ν</td><td>]</td></td<>	2. Changes made to	o details?					I	Ν	]
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If yes, detail:           Movement Records           1. Movement records available for inspection?           2. Date of last inspection:           3. Are records complete and correctly entered?           4. Are movement records available for dead fish and waste?           5. Are records complete and correctly entered?           6. Are health certificates for introductions (outwith GB) available?           Transport Records           1. Are any movements carried out by (or on behalf) of the business (not using a STB)?           1. Are any movements carried out by (or on behalf) of the business (not using a STB)?           1. Are any movements carried out by (or on behalf) of the business (not using a STB)?           1. Are any movements carried out by (or on behalf) of the business (not using a STB)?           1. Mortality records           1. Mortality records           2. How are mortalities disposed of?           1. drotality records complete and correctly entered?           2. How are mortality (last 4 wks):           2. Sov/6           2. Evidence of recent increased/atypical mortalities?           1. My other peaks in mortality during period checked?           Y           4. Are increased (unexplained) mortalities been reported to vet or FHI?           Y           September 2022: site total mort, 7.04%, 1143, within 22 S1, 14.70%, 1125 (transfer mortality). 2023: Wk38, 117%, 288; Wk39,281, 1.25%(reported ca	•	,		W					
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5. Evidence of recent increased/atypical mortalities?       N         If yes, facility nos/no mortality per facility/no stock per facility/reason:       N         6. Any other peaks in mortality during period checked?       Y         April 2022: site total mort, 7.04%, 1143, within 22 S1, 14.70%, 1125 (transfer mortality). 2023: Wk38, 1.17%, 288; Wk39,281, 1.25%(reported cause, gill health)       Y         7. Have increased (unexplained) mortalities been reported to vet or FHI?       Y         September 2022: site total mort, 6.46%, 763, within 22 S1, 10.87%, 688 (explained laterally as gill health issues, FW treatment conducted and mortalities reduced).	A Recent mortality	(last 1 wks).			0, 130, 0.02%,	VVK45, 90, 0.2	+3%, VVK44, 9	1, 0.42%, 0	7843, 100,
If yes, facility nos/no mortality per facility/no stock per facility/reason:         6. Any other peaks in mortality during period checked?       Y         April 2022: site total mort, 7.04%, 1143, within 22 S1, 14.70%, 1125 (transfer mortality). 2023: Wk38, 1.17%, 288; Wk39,281, 1.25% (reported cause, gill health)       Y         7. Have increased (unexplained) mortalities been reported to vet or FHI?       Y         September 2022: site total mort, 6.46%, 763, within 22 S1, 10.87%, 688 (explained laterally as gill health issues, FW treatment conducted and mortalities reduced).	-	•							N
6. Any other peaks in mortality during period checked?       Y         April 2022: site total mort, 7.04%, 1143, within 22 S1, 14.70%, 1125 (transfer mortality). 2023: Wk38, 1.17%, 288; Wk39,281, 1.25% (reported cause, gill health)       Y         7. Have increased (unexplained) mortalities been reported to vet or FHI?       Y         September 2022: site total mort, 6.46%, 763, within 22 S1, 10.87%, 688 (explained laterally as gill health issues, FW treatment conducted and mortalities reduced).					v/reason:				
April 2022: site total mort, 7.04%, 1143, within 22 S1, 14.70%, 1125 (transfer mortality). 2023: Wk38, 1.17%, 288; Wk39,281, 1.25% (reported cause, gill health)         7. Have increased (unexplained) mortalities been reported to vet or FHI?         Y         September 2022: site total mort, 6.46%, 763, within 22 S1, 10.87%, 688 (explained laterally as gill health issues, FW treatment conducted and mortalities reduced).					y/1003011.				
April 2022: site total mort, 7.04%, 1143, within 22 S1, 14.70%, 1125 (transfer mortality). 2023: Wk38, 1.17%, 288; Wk39,281, 1.25% (reported cause, gill health)         7. Have increased (unexplained) mortalities been reported to vet or FHI?         Y         September 2022: site total mort, 6.46%, 763, within 22 S1, 10.87%, 688 (explained laterally as gill health issues, FW treatment conducted and mortalities reduced).	6 Any other peaks i	in mortality c	luring period	checked?					V
If yes, detail:       1.17%, 288; Wk39,281, 1.25% (reported cause, gill health)         7. Have increased (unexplained) mortalities been reported to vet or FHI?       Y         September 2022: site total mort, 6.46%, 763, within 22 S1, 10.87%, 688 (explained laterally as gill health issues, FW treatment conducted and mortalities reduced).					2 within 22 S1	1/ 700/ 112	5 (transfor me	ortality) 202	2· \///29
7. Have increased (unexplained) mortalities been reported to vet or FHI?       Y         September 2022: site total mort, 6.46%, 763, within 22 S1, 10.87%, 688 (explained laterally as gill health issues, FW treatment conducted and mortalities reduced).	If ves detail:						o (liansier mo	511all(y). 202	J. VVKJO,
September 2022: site total mort, 6.46%, 763, within 22 S1, 10.87%, 688 (explained laterally as gill health issues, FW treatment conducted and mortalities reduced).						callin)			Y
If yes, detail action: as gill health issues, FW treatment conducted and mortalities reduced).		unexplained		•		763 within 2	2 \$1 10 970/	688 (ovolo	ined laterally
	If ves detail action:							• •	ineu laterally
		/ents' been i							Y

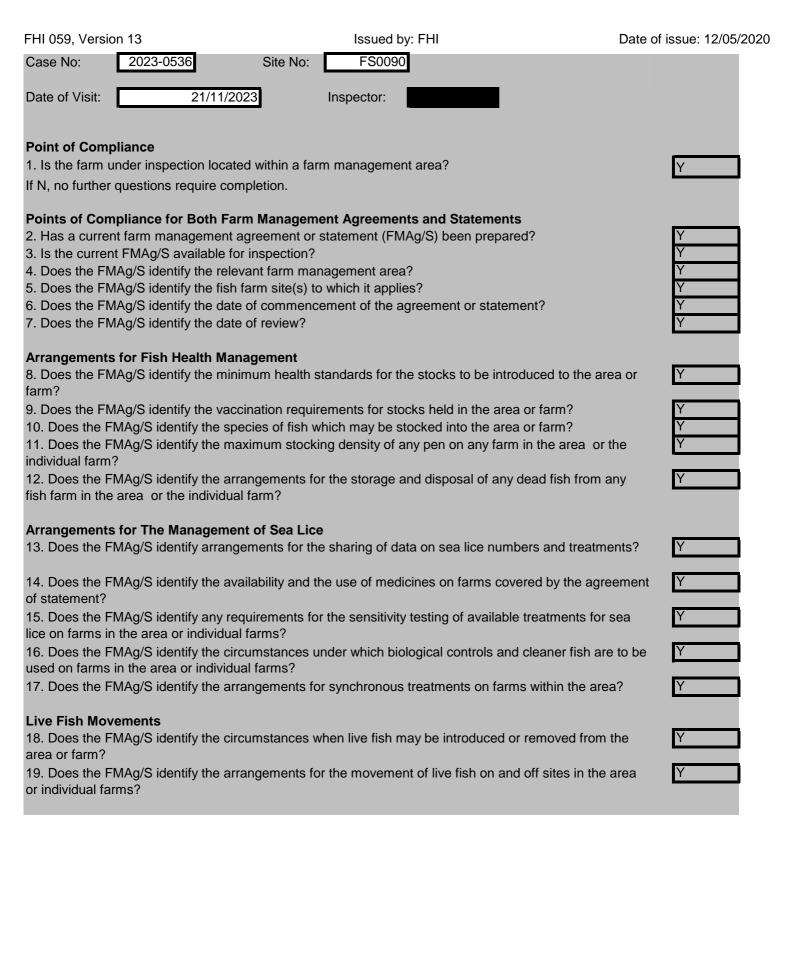
Treatments and Medicines Records	
1. Recent treatments (see comment)?	Y
If yes, detail: T.M.S	
If other, detail:	
2. Medicines records available for inspection?	Y
3. Are records complete and correctly entered?	Y
4. Are fish in a withdrawal period?	Y
5. If yes, what treatment(s)? T.M.S	
If other, detail:	
6. Are medicines stored appropriately?	Υ
Piecesurity Decende	
Biosecurity Records	
1. Biosecurity records available for inspection?	t asta dianagal baan canaidarad?
2. Has the manner and frequency of mortality removal, recording and	
3. Has the manner and period in which the APB will notify Scottish N <i>increased (unexplained)</i> mortality at the site been included?	
	upprision of the processor of a listed diseases
4. Has the action that will be taken in the event that the presence or is detected been included and <i>how</i> and <i>when</i> that will be notified to	
5. Has the health status of aquaculture animals being stocked on the	
health status, certification if required)?	
6. Have the husbandry and biosecurity measures implemented betw	een each epidemiological unit to minimise
transmission of disease been covered (movement of staff, visitors, e	
7. Is documentation available regarding the measures in place to ma	
aquaculture animals held on site?	
8. Have the biosecurity procedures been adequately implemented or	n site?
If no, detail:	
Results of Surveillance	
1. Has any animal health surveillance been carried out by, or on beh	alf of, the business? Y
2. If yes, are results available for inspection?	Y
3. Any significant results?	Y
	Results taken from 03.07.2023 - AGD (zero
If yes, detail (if not detailed under recent disease problems).	seawinter stock).
Results regarding unexplained mortality in 2022, initial inconclusive I	nealth results from third parties. Histology suggested
potential AGD and/or effects of algal bloom.	
Records checked between: 01/11/2	2021- 21/11/2023

FHI 059, Version 13				Issued by	/: FHI	
Case no:	2023-0536	Site No:	FS0090	Date of	of visit/ 21/1	1/2023 21/ <sup>-</sup>
				Samp	ling:	
Priority samples:	VI	BA	PA	MG	HI	
Time sampling	14:00:00	14:05:00	Inspect	or:	VMD No	. 1
starts/ends:				, <u> </u>		
Environmental conditions:	1 Indo	ors 2	3	4	5	
Company and a second as	шот					Tatal Camalaa
Summary samples	HIST	BA	MG		PA	Total Samples
Add Fish/Pools - click						
Pool/Fish No						
Fish nos	1					
Pool Group						
Species	SAL					
Average weight	1.45kg					
Sex	N/A					
Water Type	SW					
	jt.					
	Smolt Unit					
	nol					
<u>0</u>	s (					
stai	ary 575					
۵	Ormsary (FS0575)					
Stock Origin						
Facility No	G08					

11/2023	Addition	nal Sam	ple Infor	mation:						
	-									
0		Total Te	ests ass	igned	0					
					1					

FHI 059, Version 13		Issued by: FHI			Date	JI Issue	: 12/05/2020
Case Number:	2023-0536		Site No:	FS0090		Insp:	
Date of Visit	21/11/2023		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 neuronal neuron neuronal neuron	0	9	18	26	
	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	ed (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		1
		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	cessing	0				0
	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-	Site's own was	te only processed.	0	[			
products	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	inpasteurised feed	0	[			0
	Feeding unpas	teurised feed	5				
Biosecurity		Number of sites	1	2 or 3	≥ 4		
Contacts with other sites		from single shorebase	0	1	2		1
	Sites sharing s	taff and equipment	0	1	2		0
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	Dat	te of issue: 12/05/2020
Case No: 2023-0536	S	ite No: FS0090	
Sea Lice Inspection (Seawater Sites Only)			
1. Has the site experienced sea lice problems	s in the previous 4 years?		Ν
2. Is the CoGP Farm Management Area (or e	quivalent) fallowed synchronously on a	a single year class basis?	Ν
3. Does the site have access to a range of lic azamethiphos and emamectin benzoate) as can these be deployed in a reasonable period	well as access to suitable biological an	· •	Y res, and
4. Is there a signed documented farm manag Management Area (or equivalent)?	ement agreement or statement relevan	t to the site and CoGP Farm	Y
5. Are sea lice count records available for ins	pection? (Legal SSI, CoGP Annex 6)		Y
6. Do records adequately reflect the required	standard specified in the SSI and the C	oGP? (Legal SSI, CoGP Anne	× 6) Y
7. Are sea lice ( <i>L. salmonis</i> ) record levels be records are inspected? (CoGP Annex 6)	low the suggested criteria for treatment	in the CoGP during the period	that Y
8. Have average adult female sea lice ( <i>L. sali</i> 2 or above (from w/b 10/6/19) during the period	· ·	l of 3 or above (prior to w/b 10/	(6/19) or N
If yes, have these been reported to the Fish H 9. Is <i>C. elongatus</i> infestation at a level which	•		Y (.3.50) N
9. IS C. elongatus intestation at a level which	is considered to cause significant weild	are problems? (COGF 4.3.01, 3	(.3.30) N
10. Have therapeutic treatments been admini suggested criteria for treatment or where $C$ .			
11. Has any other action been taken (where a	applicable)?		N/A
12. Have therapeutic treatments or the action	s taken had a significant impact upon the	ne lice levels recorded?	Y
13. Are treatments, where conducted, carried	out in cooperation between participatin	ig farms?	N/A
14. Is there a harvesting strategy for the site, sea lice?	where fewer populations or part popula	tions are held without treatmer	nt for Y
15. Is there a site specific written lice manage scenarios during the escalation of a sea lice it		bing set actions to deal with rec	cognised Y
16. Do the sea lice levels observed on stocks	reflect sea lice count data? If no pleas	e detail reasons.	Y
Containment Inspection			
1. Has the site experienced equipment damage			Ν
2. Are measures in place to mitigate against t	he predation experienced on site? (Det	ail below)	Y
on land tanks,			
If other, detail below:			
<ol> <li>Have escape incidents or events been exp</li> </ol>	perienced on or in the vicinity of the site	since the last FHI inspection?	Ν
If Yes proceed with questions $4 - 9$ . If No skip	-		
4. Have these been reported to Scottish Minis	-		
5. Have these been reported to local DSFB fo	orthwith (where they exist)? (CoGP – 4	.4.37, 5.4.17)	
6. Have these been reported to the SSPO and	d local fisheries trusts forthwith (where	they exist)? (CoGP – 4.4.37, 5	.4.17)
7. Were methods (if any) used to recover esc	apees? If yes give detail		
8. If gill nets were deployed was this action ag	areed with local wild fish interests and w	vas permission diven by Scotti	sh
Ministers? (Legal, CoGP – 4.4.38, 5.4.18)		as permission given by bootin	
9. What action was taken to prevent and mini		covered in code but could	
be considered under satisfactory measured	· · ·		
10. Is the site inspected as satisfactory with re-	egards to containment? If no, please de	etail reason(s)	Y



FHI 059, Version 13	Issued by: FHI	Date of issue: 12/05/2020
Harvesting 20. Does the FMAg/S identify accepta	able harvest practices on farms in the area or individe	ual farms?
Fallowing		
date when a farm or area may be res	es by which the area or individual farm will be fallow a tocked?	and the earliest
22. Does the FMAg/S identify whethe agreement or statement?	r one or more year classes may be stocked onto site	es covered by the Y
23. Does the FMAg/S identify whethe covered by the agreement or stateme	r broodstock or potential broodstock are to be kept o ent?	on any site Y
Point of Compliance for Farm Mana	agement Agreements Only	
24. Does the farm management agre parties to the agreement?	ement include arrangements for persons to become	, or cease to be, N/A
Management and operation		
<ul><li>25. Is the fish farm being managed at</li><li>26. What is the version no/date of iss</li></ul>	nd operated in accordance with the agreement or sta ue of the FMAg/S?	atement? Y

Case No:	2023-0536	]		Date of visit:	21/11/2023	3		
Site No:	FS0090	]		Inspector:				
Results Summary	Freq.	1		Da	ate of Notifica	ation		
Results Summary	i ieq.	Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Insp
			-				-	
			-				-	
			-				-	
							-	
		1						
							-	
					-			
Report Summary				1				
Case Type	Date	Insp	2 <sup>nd</sup> Insp					

Report Summary			
Case Type	Date	Insp	2 <sup>nd</sup> Insp
ECI	11/12/2	023	

### SUMMARY FOR INFORMATION OF SITE OPERATOR

 BUSINESS No
 FB0061

 SITE No
 FS0090

 CASE No
 20230536

D S In

DATE OF VISIT 21/11/2023 SITE NAME Ormsary Broodstock Unit

#### 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.

Mortality records were inspected and found to be adequately maintained.

Mortality levels had exceeded the reporting criteria since the last inspection and had been reported to the Fish Health Inspectorate as required.

Reports detailing the results of animal health surveillance carried out by or on behalf of the business and/or Marine Directorate were available for inspection.

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

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

Medicine records were inspected and found to be adequately maintained.

Samples were taken to be analysed for veterinary residues.

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

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

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

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



Signed:

Date: 11/12/2023

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)

FHI 059, Version 13	Issue	ed by: FHI	Date of issue: 12/05/2020
Case No: 2023-0541			Date of visit: 28/11/2023
Time spent on site: 45	ōmins	Main Inspecto	pr:
Site No: FS0777 Business No: FB0134	Site Name: Business Name:	Eilean Coltair Kames Fish Farming Ltd	
Case Types: 1 ECI 2	2 CNI 3 SLI	45	6
Water Temp (°C): 11.39	Thermometer No:	Т308	FHI 045 completed
Observations:	Region: ST	Water type: S	CoGP MA: M-40
Dead/weak/abnormally behaving Clinical signs of disease observed Gross pathology observed? Diagnostic samples taken? UNI/REG only - if unable to carry	d?	Y If yes, see additional infor Y If yes, see additional infor N	mation/clinical score sheet. mation/clinical score sheet. mation/clinical score sheet.
,			

#### Additional Case Information:

Treatment conducted end of WK 47, so mortality from this treatment will be captured in wk 48 mortality figures.

Site pushes whole cages - therefore no transport records detailed (no water exchange and no water discharged elsewhere).

Last mechnical treatments - 25/11/2023 (all pens), thermolicer

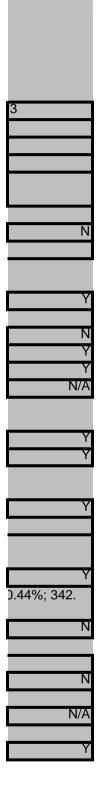
Site has since the summer been experiencing issues with jellyfish and plankton. No recent health suveillance conducted. Health team only visit when there are significant issues.

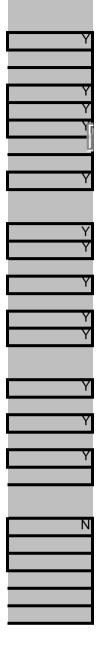
During site inspection some fish were observed with large lesions during attempts to remove, but were not able to be caught. A few moribund fish were observed but again not able to be removed. No diagnostic samples were taken.

FHI 059, Version 13		Issued by: FHI			Date of issue: 12/05/2020
Case No: 2023-0541	Site No:	FS0777			
Date of Visit:	28/11/2023		Inspector(s):		
Registration/Authorisation					
<ol> <li>Business/site details summer</li> <li>Changes made to details?</li> </ol>		sentative?			Y N
Site Details (include cleane	er fish for all sections)				
-	3 Facilities sto	cked	3	No facilities in	nspected
Species RTR					T
Age group 2023 (spring)					
No Fish 76,721					
Mean Fish 1.75g					
Wt					
Next Fallow Date (Site)	July 2024	Next Input Da	te (Site)	Spring 2025	
Recent (last 4 wks) disease	-		- · ·	(since last visi	t)?
If yes, detail: jellyfish and gi					() ·
jenynörränd gr	1100000				
Movement Records					
1. Movement records availab	ale for inspection?				
2. Date of last inspection:	ne for inspection:				03/10/2023
3. Are records complete and	correctly optorod?				03/10/2023
-	-	ata 2			
4. Are movement records ava		ste?			
5. Are records complete and	-				
6. Are health certificates for i	introductions (outwith GB) a	ivallable?			
Transport Records					
1. Are any movements carrie	ed out by (or on behalf) of th	e business (not	using a STB)?	)	
If yes, is there a system in pla					
Mortality Records					
1. Mortality records available	for inspection?				
2. How are mortalities dispos	sed of?		Other (detail)		
ensiled at kam	nes pier and then taken awa	ay via fergusons.			
If other detail:					
3. Mortality records complete	and correctly entered?				
	2023: Wk47	, 0.04%, 28; Wk	46, 0.16%, 12	2; Wk45, 0.29 <sup>o</sup>	%, 223; Wk44, (
4. Recent mortality (last 4 wk	(s):				
5. Evidence of recent increas	sed/atypical mortalities?				
If yes, facility nos/no mortality	y per facility/no stock per fa	cility/reason:			
6. Any other peaks in mortali	ity during period checked?				
If yes, detail:					
7. Have increased (unexplain	ned) mortalities been report	ed to vet or FHI?	>		
If yes, detail action:					
8. Have 'mortality events' bee	en reported to FHI? If no. er	nter details on m	ortality events	sheet.	
	.,				

'n

Treatments and Medicines Records
1. Recent treatments (see comment)?
If yes, detail: T.M.S
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)? T.M.S
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 <i>increased (unexplained)</i> mortality at the site been included?
4. Has the action that will be taken in the event that the presence or suspicion of the presence of a listed disease is
detected been included and 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: 03/10/2023-28/11/2023





FHI 059, Version 13		Issued by: FHI			Date	or issue.	12/05/2020
Case Number:	2023-0541		Site No:	FS0777		Insp:	
Date of Visit	28/11/2023		No of m	ovements/s	supp./dest.		Score
Live fish movements			0	1-5	6-10	>10	_
Movements on (from out		novements on from equivalent MS	0	5	10	14	0
with GB) of susceptible species		novements on from equivalent zone or including third country	0	9	18	26	
	Number of sup		0	-	10		0
Movements off	Frequency of n	novements off	0	3	6	10	6
	Number of des		0	3			3
Exposure via water		Site contacts	0	1-5	6-10		
Water contacts with other farms (holding species	disinfection or l		0				
susceptible to same diseases)	farms upstrean	or in a coastal zone with category I or within 1 tidal excursion	1	2	4		4
		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	1			0
	Processing ow	n fish (re-cycling risk)	1				
	Processing fish	from MS of equivalent status	2				
	Processing fish equivalent state	from zone or compartment of us	4				
	Processing fish	from Category III farm	8				
	Processing fish	from Category V farm	10				
	Site's own was	te only processed.	0	]			
products	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	inpasteurised feed	0	ĺ			0
	Feeding unpas	teurised feed	5				
Biosecurity		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	1	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				0
	No		2				
					Total		17
					Rank		MEDIUM

FHI 059, Version 1
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Site No:

# 2023-0541

#### Sea Lice Inspection (Seawater Sites Only)

1. Has the site experienced sea lice problems in the previous 4 years?

2. Is the CoGP Farm Management Area (or equivalent) fallowed synchronously on a single year class basis?

3. Does the site have access to a range of licenced in-feed and bath sea lice medications (including deltamethrin, azamethiphos well as access to suitable biological and/or mechanical control measures, and can these be deployed in a reasonable period of

4. Is there a signed documented farm management agreement or statement relevant to the site and CoGP Farm Management A

- 5. Are sea lice count records available for inspection? (Legal SSI, CoGP Annex 6)
- 6. Do records adequately reflect the required standard specified in the SSI and the CoGP? (Legal SSI, CoGP Annex 6)

7. Are sea lice (*L. salmonis*) record levels below the suggested criteria for treatment in the CoGP during the period that records 6)

8. Have average adult female sea lice (*L. salmonis*) numbers per fish been at a level of 3 or above (prior to w/b 10/6/19) or 2 or during the period that records are inspected?

If yes, have these been reported to the Fish Health Inspectorate? If no, FHI see comment.

9. Is *C. elongatus* infestation at a level which is considered to cause significant welfare problems? (CoGP 4.3.81, 5.3.50)

10. Have therapeutic treatments been administered or other actions taken when *L. salmonis levels* have exceeded the suggest where *C. elongatus* is considered to have welfare implications? (CoGP 4.3.82, 5.3.51)

- 11. Has any other action been taken (where applicable)?
- 12. Have therapeutic treatments or the actions taken had a significant impact upon the lice levels recorded?
- 13. Are treatments, where conducted, carried out in cooperation between participating farms?

14. Is there a harvesting strategy for the site, where fewer populations or part populations are held without treatment for sea lice

15. Is there a site specific written lice management procedure with waypoints describing set actions to deal with recognised scena sea lice infestation?

16. Do the sea lice levels observed on stocks reflect sea lice count data? If no please detail reasons.

#### **Containment Inspection**

1. Has the site experienced equipment damage due to predators in the current or previous production cycles?

2. Are measures in place to mitigate against the predation experienced on site? (Detail below)

Bird nets,

If other, detail below:

3. Have escape incidents or events been experienced on or in the vicinity of the site since the last FHI inspection?

If Yes proceed with questions 4 - 9. If No skip to question 10

4. Have these been reported to Scottish Ministers?

5. Have these been reported to local DSFB forthwith (where they exist)? (CoGP - 4.4.37, 5.4.17)

6. Have these been reported to the SSPO and local fisheries trusts forthwith (where they exist)? (CoGP - 4.4.37, 5.4.17)

# 7. Were methods (if any) used to recover escapees? If yes give detail

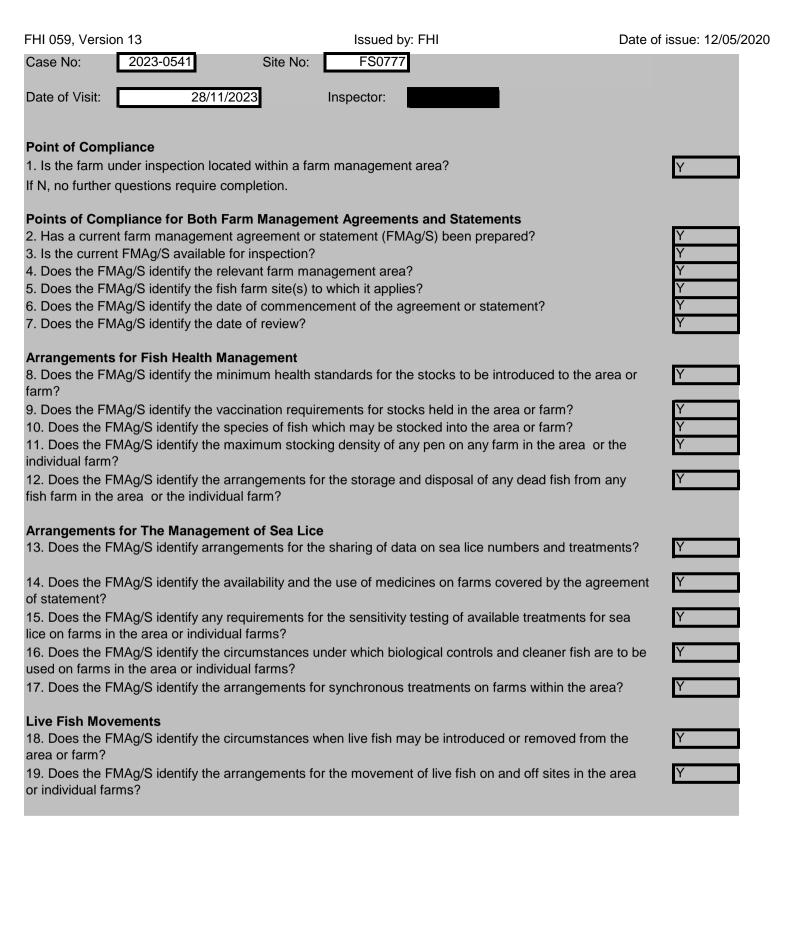
8. If gill nets were deployed was this action agreed with local wild fish interests and was permission given by Scottish Ministers? 5.4.18)

9. What action was taken to prevent and minimise the risk of further escapes? (Not covered in code but could

be considered under satisfactory measures of the Act)

10. Is the site inspected as satisfactory with regards to containment? If no, please detail reason(s)

FS0777	
	N
	N
and emamectin benzoate) as	s Y
time?	
<pre>\rea (or equivalent)?</pre>	Y
	V
	Y Y
are inspected? (CoGP Annex	Ν
above (from w/b 10/6/19)	Y
	Y N
	IN
ed criteria for treatment or	Y
	N/A
	Y
0	Y Y
?	Y
narios during the escalation of	Y
nanos duning the escalation of	1
	Y
	N
	Y
	N
(Legal, CoGP – 4.4.38,	
	Y



FHI 059, Version 13	Issued by: FHI	Date of issue: 12/05/2020
Harvesting 20. Does the FMAg/S identify acceptab	le harvest practices on farms in the area or individu	ual farms? Y
date when a farm or area may be restor 22. Does the FMAg/S identify whether of	by which the area or individual farm will be fallow a cked? one or more year classes may be stocked onto sites	
agreement or statement? 23. Does the FMAg/S identify whether the covered by the agreement or statement	proodstock or potential broodstock are to be kept or t?	n any site Y
<b>Point of Compliance for Farm Manag</b> 24. Does the farm management agreen parties to the agreement?	gement Agreements Only ment include arrangements for persons to become,	or cease to be, Y
Management and operation 25. Is the fish farm being managed and 26. What is the version no/date of issue	l operated in accordance with the agreement or stat e of the FMAg/S? April 2023 V12	tement? Y

Case No:	2023-0541	]		Date of visit:	28/11/2023	]		
Site No:	FS0777	]		Inspector:		I		
Results Summary	Freq.				te of Notifica	tion		
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ECI, CNI, SLI	11/12/2023							
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# SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS NO FB0134 SITE NO FS0777 CASE NO 20230541

**DATE OF VISIT** 28/11/2023 SITE NAME Eilean Coltair INSPECTOR

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

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

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

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

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

Aquaculture animal and aquaculture animal product movement records were inspected and found to be inadequately maintained.

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

Mortality records were inspected and found to be adequately maintained.

Mortality levels had exceeded the reporting criteria since the last inspection and had been reported to the Fish Health Inspectorate as required.

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

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

 One movement of fish was not recorded on the site's movement records. Amended records were received. No further action required.

#### 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.

# 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:

Date: 11/12/2023

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)

FHI 059, Version 13	ls	sued by: FHI	Date of issue: 12/05/2020
Case No: 2023-0542			Date of visit: 29/11/2023
Time spent on site:	1.5 hrs	Main Inspec	otor:
Site No: FS0843 Business No: FB0012	Site Name: Business Name:	Evanachan Marine Hatchery Otter Ferry Seafish Ltd	
Case Types: 1 MOV	23	4 5	6
Water Temp (°C):	Thermometer No:		FHI 045 completed
Observations:	Region: ST	Water type: S	CoGP MA: M-42
Dead/weak/abnormally behaving Clinical signs of disease observed Gross pathology observed? Diagnostic samples taken? UNI/REG only - if unable to carr	ed?	NIf yes, see additional infoNIf yes, see additional infoNIf yes, see additional info	ormation/clinical score sheet. ormation/clinical score sheet. ormation/clinical score sheet.
	, dotain		

#### Additional Case Information:

Site and stock inspection for export of halibut to Canada from Evanachan Marine Hatchery.

Movement and mortality records since 22/11/2023 inspected.

6 tanks of halibut are to be exported 29/11/2023. The inspected fish have been observed to be healthy and no ectoparasites were seen.

FHI 059, Version 13			Issu	ed by: FHI			Date of issu	e: 12/05/2020
Case No:	2023-0542	]	Site No:	FS0843	]			
Date of Visit:		29/11/2023	]		Inspector(s):			I
Registration/Autho			ita rapraganta	stive?			V	1
2. Changes made to	•	checked by s	ite representa	uive?			n N	1
Site Details (includ	o oloonor fic	h for all coat	ionc)					
Site Details (include Total No facilities	e cleaner ns	109	Facilities sto	ckod	72	No facilitio	s inspected	6
Species		WRS			12	NO IACIIILIE	s inspecieu	0
	HAL							
Age group No Fish	2023	2023				-		
	51,636	71,784				-		
Mean Fish Wt	4.5g	0.9g						
Next Fallow Date (Si	,	never fallow		Next Input Da	_ ` '	Spring 202		
Recent (last 4 wks) of	disease prob	ems?		N	Any escapes	s (since last	visit)?	N
If yes, detail:								
Movement Records 1. Movement records 2. Date of last inspec 3. Are records comp 4. Are movement rec 5. Are records comp 6. Are health certifica Transport Records 1. Are any movement If yes, is there a system Mortality Records 1. Mortality Records	s available fo ction: lete and corr cords availab lete and corr ates for introd	ectly entered? le for dead fis ectly entered? ductions (outw t by (or on bel	h and waste? vith GB) availa half) of the bu	able? Isiness (not us			30/10/2023	Y Y Y N/A
1. Mortality records a		•						Y
2. How are mortalitie	es disposed c	f?			Ensiled - on	site		
If other detail:								
3. Mortality records of	complete and	correctly ente	ered?					Y
			2023: Wk47,	, 264, 0.5%; W	′k46, 283, 0.5	%; Wk45, 2	52, 0.4%; Wk	44, 202,
4. Recent mortality (	,		0.3%					
5. Evidence of recen	it increased/a	typical mortal	ities?					N
If yes, facility nos/no	mortality per	facility/no sto	ck per facility/	/reason:				
6. Any other peaks in	n mortality du	iring period ch	ecked?					N
If yes, detail:								
7. Have increased (L	inexplained)	mortalities be	en reported to	vet or FHI?				N/A
If yes, detail action:								
8. Have 'mortality ev	ents' been re	ported to FHI	? If no, enter o	details on mort	tality events sl	neet.		Y
<b>,</b> -		•			•			

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?	
<ul> <li>Biosecurity Records</li> <li>1. Biosecurity records available for inspection?</li> <li>2. Has the manner and frequency of mortality removal, recording and safe disposal been considered?</li> <li>3. Has the manner and period in which the APB will notify Scottish Ministers or veterinary professional of any <i>increased (unexplained)</i> mortality at the site been included?</li> <li>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?</li> <li>5. Has the health status of aquaculture animals being stocked on the farm site been covered (equal or higher health status, certification if required)?</li> <li>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.)?</li> </ul>	
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:	
<b>Results of Surveillance</b> 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?	N
, ,	
If yes, detail (if not detailed under recent disease problems).	
Records checked between: 22/11/2023 to 29/11/23	

Case No:	2023-0542	]		Date of visit:	29/11/2023	]		
Site No:	FS0843	]		Inspector:				
Results Summary	Freq.			Da	te of Notifica	tion		
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Case Type	Date	Insp	2 <sup>nd</sup> Insp					
Case Type MOV	13/12/2023							

Report Summary			
Case Type	Date	Insp	2 <sup>nd</sup> Insp
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# SUMMARY FOR INFORMATION OF SITE OPERATOR

 BUSINESS No
 FB0012

 SITE NO
 FS0843

 CASE NO
 20230542

DATE OF VISIT 29/11/2023 SITE NAME Evanachan INSPECTOR

Evanachan Marine Hatchery

### Inspection for export

The above site was visited and a consignment of juvenile Atlantic halibut for export to Canada inspected. A health certificate was issued which must travel with the consignment to the destination.

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



Signed:

Date: 13/12/2023

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	lse	sued by: FHI	Date of issue: 12/05/2020
Case No: 2023-0544			Date of visit: 27/11/2023
Time spent on site:	30mins	Main Inspe	ector:
Site No: SS0871 Business No: SB0294	Site Name: Business Name:	Lynn of Lorn Lismore Seafoods	
Dusiness No. 500294	Dusiness Name.		
Case Types: 1 REG	23	4 5	6
Water Temp (°C):	Thermometer No:		FHI 045 completed
Observations:	Region: ST	Water type: S	CoGP MA:
Dead/weak/abnormally behavir	ng fish present?	If yes, see additional in	formation/clinical score sheet.
Clinical signs of disease observ	ved?	If yes, see additional in	formation/clinical score sheet.
Gross pathology observed?		If yes, see additional in	formation/clinical score sheet.
Diagnostic samples taken?			
UNI/REG only - if unable to car	ry out intended visit detail r	eason below:	

# FHI 059, Version 13 Additional Case Information:

Site has been fallow since 2014 and no equipment is in the water. Crown Estate lease has already been given up. There are no plans to stock this site in the future and paperwork for deactivation of site and de-register of business have been received.

FHI 059, Version 13		lssu	ed by: FHI			Date of issu	ie: 12/05/2020
Case No: 20	23-0544	Site No:	SS0871	]			
Date of Visit:	27/11/2023	3		Inspector(s):			
Registration/Authorisa			di ve O				-
<ol> <li>Business/site details</li> <li>Changes made to de</li> </ol>		site representa	auve?			Y Y	
Site Details (include c	leaner fis <u>h for all sec</u>	tions)			_		
Total No facilities	0	Facilities sto	cked	0	No facilitie	es inspected	0
	low						
Age group							
No Fish							
Mean Fish Wt		-					
Next Fallow Date (Site)		low	Next Input Da	_ ` <i>'</i>	no plans		
Recent (last 4 wks) dise	ease problems?		N/A	Any escapes	s (since last	visit)?	N/A
If yes, detail:							
<b>Movement Records</b> 1. Movement records av	vailable for inspection?						N/A
2. Date of last inspectio	•					31/03/2014	
3. Are records complete		?				01/00/2011	N/A
4. Are movement record	· · · · · · · · · · · · · · · · · · ·						N/A
5. Are records complete							N/A
6. Are health certificates	-		able?				N/A
Transport Records							
1. Are any movements	carried out by (or on be	ehalf) of the bu	isiness (not us	ing a STB)?			
If yes, is there a system	in place for maintenar	nce of transpor	rtation records	?			
Mortality Records							
1. Mortality records ava	•						N/A
2. How are mortalities d	•			Other (detail	)		
	e fallow	ta na dO					N/A
3. Mortality records com	•		0044				N/A
4. Recent mortality (last		site fallow si	nce 2014				N/A
5. Evidence of recent in	•••		1				IN/A
If yes, facility nos/no mo	briancy per racinty/no st	оск регласниу	/reason.				
6. Any other peaks in m	ortality during period c	hecked?					N/A
If yes, detail:							
7. Have increased (une	xplained) mortalities be	een reported to	o vet or FHI?				N/A
If yes, detail action:							N1/A
8. Have 'mortality event	s been reported to FH	I? If no, enter	details on mort	tality events sl	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?	
2. Has the manner and frequency of mortality removal, recording and safe dispos	al been considered?
3. Has the manner and period in which the APB will notify Scottish Ministers or ve	terinary professional of any
increased (unexplained) mortality at the site been included?	
4. Has the action that will be taken in the event that the presence or suspicion of t	he presence of a listed disease
is detected been included and how and when that will be notified to Scottish Mini-	sters?
5. Has the health status of aquaculture animals being stocked on the farm site be	en covered (equal or higher
health status, certification if required)?	
6. Have the husbandry and biosecurity measures implemented between each epi	demiological unit to minimise
transmission of disease been covered (movement of staff, visitors, equipment, live	e or dead fish etc.)?
7. Is documentation available regarding the measures in place to maintain the physical sector and the	/sical 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 bus	iness?
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: no records checked	

Case No:	2023-0544	Date of visit: 27/11/2023
Site No:	SS0871	Inspector:

Results Summary	Freq.			Da	ate of Notifica	tion		
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## SUMMARY FOR INFORMATION OF SITE OPERATOR

 BUSINESS No
 SB0294

 SITE NO
 SS0871

 CASE NO
 20230544

DATE OF VISIT 27/11/2023 SITE NAME Lynn of Lorn

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

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

On this occasion, the site was found to be fallow with no equipment present.

The site is no longer in operation and there are no plans to stock the site with livestock or equipment in the future. The site will therefore be de-registered.

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



Signed:

Date: 13/12/2023

Fish Health Inspector

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