FHI 059, Version 13		Issued by: FHI	Date of issue: 12/05/2020
Case No: 2021-0116			Date of visit: 04/08/2021
Time spent on site:	30mins	Main Inspec	etor:
Site No: SS0954	Site Name:	Lochaline Native Oyster Res	•
Business No: SB0567	Business Name:	CAOLAS (Community Assoc	ciation of Lochs and Sounds)
Case Types: 1 ECI	2 3	4 5	6
Water Temp (°C): 13.6	Thermometer No:	T173	FHI 045 completed
Observations:	Region: HI	Water type: S	CoGP MA M-35
Dead/weak/abnormally behaving	g fish present?	N If yes, see additional inf	ormation/clinical score sheet.
Clinical signs of disease observe	ed?		ormation/clinical score sheet.
Gross pathology observed? Diagnostic samples taken?		N If yes, see additional info	ormation/clinical score sheet.
UNI/REG only - if unable to carr	v out intended visit deta	il reason below:	
ONI/NEO Only - Il dilable to call	y out interface visit acta	in reason below.	

# **Additional Case Information:**

First ECI

Input date: 13/07/2021. Source: Morecombe Bay hatchery.

Keeping in freezer bags and frozen. Mort disposal method: landfill/domestic waste (less than 22kg).

No mortality has been moved off site, but record maintained when mortalities occur.

Site inspection conducted on the 04/08/2021 by and observed by an observed by an

Case No:

Date of Visit:

### Registration/Authorisation Details

- 1. Business/site details summary checked by site representative?
- 2. Changes made to details?

### Site Details (include cleaner fish for all sections)

Total No facilities

Species

Age group

No Fish

Mean Fish Wt

Next Fallow Date (Site)

Recent (last 4 wks) disease problems?

If yes, detail:

# **Movement Records**

- 1. Movement records available for inspection?
- 2. Date of last inspection:
- 3. Are records complete and correctly entered?
- 4. Are movement records available for dead fish and waste?
- 5. Are records complete and correctly entered?
- 6. Are health certificates for introductions (outwith GB) available?

### Transport Records

1. Are any movements carried out by (or on behalf) of the business (not using a STB)?

If yes, is there a system in place for maintenance of transportation records?

# **Mortality Records**

- 1. Mortality records available for inspection?
- 2. How are mortalities disposed of?

If other detail:

- 3. Mortality records complete and correctly entered?
- 4. Recent mortality (last 4 wks):
- 5. Evidence of recent increased/atypical mortalities?

If yes, facility nos/no mortality per facility/no stock per facility/reason:

# 6. Any other peaks in mortality during period checked?

If yes, detail:

7. Have increased (unexplained) mortalities been reported to vet or FHI?

If yes, detail action:

8. Have 'mortality events' been reported to FHI? If no, enter details on mortality events sheet.

### **Treatments and Medicines Records**

1. Recent treatments (see comment)?

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 (unexpl
- 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 be
- 5. Has the health status of aquaculture animals being stocked on the farm site been covered (equal or higher health status, cert
- 6. Have the husbandry and biosecurity measures implemented between each epidemiological unit to minimise transmission of c
- 7. Is documentation available regarding the measures in place to maintain the physical containment of aquaculture animals held
- 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).

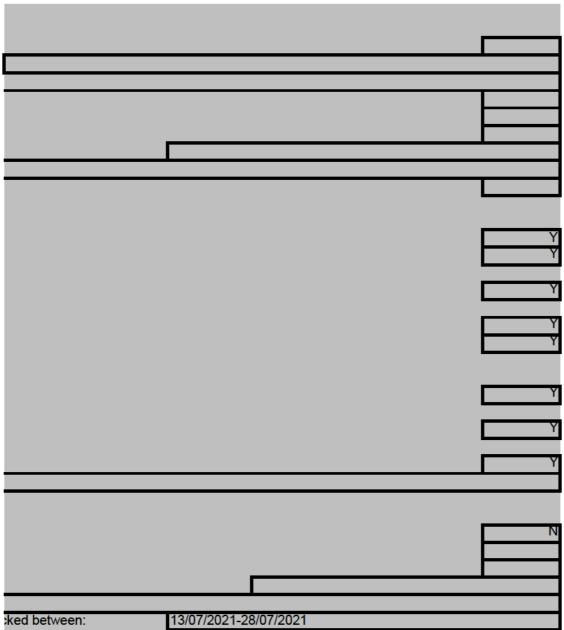
FHI 059, Version 13	Issued by: FHI	Date of issue: 12/05/2020
2021-0116		
OED		
2021		
10,100		
1.09g		
1.509		
<22kg so disposed in landfill however no morta	alities have been disposed of yet as k	cept in a freezer in case sampling is required.

FHI 059, Version 13	Issued by: FHI	Date of issue: 12/05/2020
lained) mortality at the site been included? en included and how and when that will be	notified to Scottish Ministers?	
ification if required)?		
lisease been covered (movement of staff, vi	sitors, equipment, live or dead fish etc.)?	
I on site?		
		December the
		Records chec

Date of issue: 12/05/2020

N/A

N/A



FHI 059, Version 13	Issued by: FHI			Date	of issue: 12
Case Number:	2021-0116 Site No:	SS095	4		
Date of Visit	04/08/2021 Inspector:				
Number of Susceptil	ole species on site				
	ies present = <u>LOW</u> risk				
If susceptible species	present, score for each pathogen		No	Yes	
	Susceptible to Bonamia ostrea (OED)		0	25	25
	Susceptible to Marteilia refringens (OED, MED)		0	3	3
	Susceptible to OsHV (CGI)		0	3	0
Sites within a tidal e	xcursion	1	2-5	>6	
Site contacts	Number of sites holding susceptible species within a tidal				
	excursion	0	2	10	0
Live shellfish moven	nents	0	1-2	>3	
Movements on	Frequency of movements on from equivalent MS	0	5	10	0
	Frequency of movements on from equivalent zone or compartment including third country	0	10	20	0
	Number of suppliers	0	5	10	5
Movements off	Frequency of movements off <u>within</u> MSS Management Areas	0	1	2	0
	Frequency of movements off <u>outwith</u> MSS Management Areas	0	3	6	0
	Number of destinations	0	3	6	0
Management practices		None	Secure (effluent treatment)	Unsecure (no effluent treatment)	
Water contacts with depuration facilities	Depuration of stock from own sites within MSS management area	0	1	2	0
	Depuration of stock from other businesses sites within MSS management area	0	2	6	0
	Depuration of stock from sites outwith MSS management area	0	4	8	0
Biosecurity	Number of sites	1	2 or 3	≥ 4	
Contacts with other	Sites operating from single shorebase	0	1	2	0
sites	Sites sharing staff and equipment	0	1	5	U
			Yes	No	
	Disinfection of equipment between sites, use of footbath	s etc	0	2	0
			Total Risk		33 HIGH

Case No:	2021-0116			Date of visit:	04/08/2021	J		
Site No:	SS0954	1		Inspector:				
	-			mopeotor.				
Results Summary	Freq.			Da	te of Notifica	tion		
		Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Insp
Report Summary								
Case Type	Date	Insp	2 <sup>nd</sup> Insp					
ECI	10/08/2021							





# FISH HEALTH INSPECTORATE VISIT REPORT

# SUMMARY FOR INFORMATION OF SITE OPERATOR

Business No SB0567 Date of Visit 04/08/2021

SITE No SS0954 SITE NAME Lochaline Native Oyster Restoration Project

CASE NO 20210116 INSPECTO

# 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.

Mortality records were inspected and found to be adequately maintained.

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

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

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

Signed:

Fish Health Inspector

Date: 09/08/2021

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

FHI 059, Version 13		Issued by: FHI	Date of issue: 12/05/2020
Case No: 2021-0233			Date of visit: 03/08/2021
Time spent on site:	1.5h	Main Insp	ector:
Site No: FS1269 Business No: FB0119	Site Name: Business Name:	Lochailort Recirculation Ha Mowi Scotland Ltd	atchery
Case Types: 1 ECS	2 CNI 3 VMD	4 5	6
Water Temp (°C): see addition	ıl iı Thermometer No:	Site	FHI 045 completed
Observations:	Region: HI	Water type: F	CoGP MA
Dead/weak/abnormally behaving Clinical signs of disease observed Gross pathology observed? Diagnostic samples taken?		N If yes, see additional in	nformation/clinical score sheet. nformation/clinical score sheet. nformation/clinical score sheet.
UNI/REG only - if unable to carry	y out intended visit detail	reason below:	

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

Q3s @ 60g being transferred to Loch Garry 29/07 and 30/07/2021.

Mortality:

Q3(2021)- Wk30, 96, 0.03%; Wk29, 115, 0.04%; Wk28, 118, 0.04%; Wk27, 216, 0.02% Q4(2021)- Wk30, 2926, 0.13%; Wk29, 433, 0.01%; Wk28, 626, 0.02%; Wk27, 640, 0.02% Q1(2022)- Wk30, 2105, 0.11%; Wk29, 779, 0.04%; Wk28, 1186, 0.06%; Wk27, 1024, 0.05%

Q2(2022)- Wk 30/29/27 counts not conducted weekly as fish were hatching. Wk28, 3137, 0.45%

Fish were inputted from Aquagen (Holywood) and also Kildrummie (Ireland).

Water temperature (site thermometer used for biosecurity reasons):

Q4 (2021)- 14.6 (therefore 30 fish sampled for VHS and IHN).

Q1/2 (2022)- 13.6

Alevins- 6

Cress has been administered multiple times for the various populations. Last treatment date was 04/06/2021.

Fish were being graded at the time of the inspection. Couple of associated mortalities were observed.

Remote inspection completed by served by observed by on 28/07/2021. Site inspection conducted by on 03/08/2021.

VMD sampling conducted by and supervised by 3.30 fish sample: pool 1 conducted by 3.30 fish sample: by , observed by

FHI 059, Ver	sion 13			Issued by	/: FHI		Date	e of issue:	12/05/2020
Case No:	2021-0233		Site No:	FS126	9				
Data of		03/08/202	<b>a</b>		lnonostor/s	٠.			
Date of Visit:		03/06/202	'		Inspector(s	5).			
	n/Authorisat							_	
		ummary checl	ked by site re	presentative?	•		Υ	_	
2. Changes	made to deta	IIIS?					N	_	
Site Details	(include cle	aner fish for	all sections	)					
	`	55 tanks + 1							
Total No fac	ilities	hatchery	Facilities st	ocked	44	No facilities	inspected	55 + 1	
Species	SAL	SAL	SAL	SAL					
Age group	2022 Q2	2022 Q1	2021 Q3	2021 Q4					
No Fish	2,900,000	3,400,000	317,000	2,100,000					
Mean Fish Wt	0.15g	3-7g	90-100g	27g					
Next Fallow	Date (Site)	ongoing cyc	le	Next Input	Date (Site)	TBC		_	
	•	se problems?		_		es (since last v	risit)?	т —	N
If yes, detail:		- Promonie			, my occup.	(	, .	_	
ii yes, detaii									
Movement I	Records								
1. Movemen	t records ava	ailable for insp	ection?						Y
2. Date of la	st inspection:						09/09/2020	)	
3. Are record	ds complete a	and correctly e	entered?						Y
4. Are move	ment records	available for	dead fish and	d waste?					N/A
5. Are record	ds complete a	and correctly e	entered?						N/A
6. Are health	certificates	for introduction	ns (outwith G	B) available?					Y
Transport F	) o o o r d o								
•		arried out by (	or on bobalf)	of the busines	es (not using	a STR\2			N
		arried out by (on the place for ma				a 51b)!		_	IV
ii yes, is tile	ie a system i	ii piace ioi iiia	annenance or	liansportation	i iecolus :			_	
Mortality Re	ecords								
1. Mortality r	ecords availa	able for inspec	ction?						Y
2. How are r	mortalities dis	sposed of?			Incinerated	l - on site			
If other									
detail:									
•	•	lete and corre	ectly entered?	?					Y
	ortality (last 4			nal informatio	n				
		reased/atypica							N
If yes, facility	/ nos/no mor	tality per facilit	ty/no stock pe	er facility/reas	on:				
C. Amy other	manka in man	utalitu du minar m		.JO					NI
o. Any otner	peaks in mo	rtality during p	period checke	:a <i>?</i>					IN
If yes, detail:									
•		olained) morta	lities been re	ported to vet	or FHI?				N/A
lf yes, detail									
8. Have 'mo	rtality events'	been reported	d to FHI? If n	o, enter detail	s on mortality	y events sheet.			N/A

Treatments and Medicines Records		
1. Recent treatments (see comment)?		Y
Cress		
(Bronopol),		
If yes, detail: T.M.S		
If other, detail:		
Medicines records available for inspection?		Y
Are records complete and correctly entered?		Y
4. Are fish in a withdrawal period?		Y
5. If yes, what treatment(s)?	T.M.S and Cress	
If other, detai <u>l</u> :		
6. Are medicines stored appropriately?		Y
Biosecurity Records		
Biosecurity records available for inspection?		Y
2. Has the manner and frequency of mortality remova	al, recording and safe disposal been considered?	Y
3. Has the manner and period in which the APB will n	* * * * * * * * * * * * * * * * * * * *	
any increased (unexplained) mortality at the site bee		Y
4. Has the action that will be taken in the event that the	•	
disease is detected been included and how and whe		Y
5. Has the health status of aquaculture animals being	g stocked on the farm site been covered (equal or	Y
higher health status, certification if required)?		
6. Have the husbandry and biosecurity measures imp	plemented between each epidemiological unit to	
minimise transmission of disease been covered (mov	vement of staff, visitors, equipment, live or dead fish	Y
etc.)?		
7. Is documentation available regarding the measure	s 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 or	ut by, or on behalf of, the business?	Y
2. If yes, are results available for inspection?		Y
3. Any significant results?		N
If yes, detail (if not detailed under recent disease prol	blems).	
	100 100 100 00 107 1000 1	
Records checked between:	09/09/2020-28/07/2021	

	0	0004	2000		C:4- '	\ I = -			EC42	00				lo (	•				00"	00/00	124		00"
	Case no:	2021-	)233		Site I	NO:		L	FS12	69						visit/			03/	08/20	)21		03/(
	Priority samples:	١	/I		] [	ЗА		J	P	Α		]	MG	San	трш	ig:	ні						
	Time sampling starts/ends:	12	:20:0	0	1	4:3	0:00				Insped	tor	:			ı		VME	) No	<b>o</b> .	I		15
	Environmental conditions:		1 Ind	oors		2				3		]	4			1	5						
	Summary samples	HIS	Т		] [	ЗА			М	G	,	Y	VI		Y	l	PA			Tota	ıl Sa	ample	es
A	dd Fish/Pools - click																						
	Pool/Fish No	P1	P2		P3		P4		P5		P6	4											
L	Fish nos	1-5	6-1	0	11-1	5	16-20	)	21-25	•	26-30	3	31-56	57-7	<u>′3</u>	74-9	0	91-1	06	107-	122	123-	139
Ш	Pool Group		١.									4											
	Species	SAL	SA		SAL		SAL	_	SAL		SAL		SAL	SAL	_	SAL		SAL		SAL		SAL	_
	Average weight	40g	400		40g		40g	_	40g		40g	_	l0g	40g		40g		40g		40g		40g	
	Sex Turns	N/A FW	N/A		N/A FW		N/A FW		N/A FW		N/A FW		V/A W	N/A		N/A FW		N/A FW		N/A FW		N/A FW	_
	Water Type	FVV	FV		ΓVV		FVV		FVV		FVV	ļ	- VV	FW		ΓVV		FVV		FVV		FVV	
ck Details	Stock Origin	oimain-leiv		Kildrummie		Kildrummie		Kildrummie		Kildrummie	Kildrummia		Kildrummie		Kildrummie		Kildrummie		Kildrummie		Kildrummie		Kildrummie
Stock	Facility No	39	47		42		37		34	_	46		39	47		42		38		34		37	

6 Total Tests assigned 5	140-154  SAL  40g N/A FW		1000, Volcion 10											
140-154	140-154  SAL  40g N/A FW	08/2021 Additio	nal Sampl	e Infor	mation:									
140-154	140-154  SAL  40g N/A FW													
140-154	140-154  SAL  40g N/A FW													
140-154  SAL  40g N/A FW	140-154  SAL  40g N/A FW													
SAL 40g N/A FW	SAL 40g N/A FW	6	Total Tes	sts assi	gned	5								
SAL 40g N/A FW	SAL 40g N/A FW													
SAL 40g N/A FW	SAL 40g N/A FW													
SAL 40g N/A FW	SAL 40g N/A FW	112 12												
40g N/A FW	40g N/A FW	140-154		-										
40g N/A FW	40g N/A FW	SVI		-										
FW STATE OF THE ST	Kildrummie	40a												
FW STATE OF THE ST	Kildrummie	N/A		ŀ										
	Kildrummie	FW		ı										
iglarummie	Xildrumie 38			ı										
ildrummie	Zildrummie			- 1										
ildrummie	Xildrumie   Xildru			- 1										
	38 <u>Xiguru</u> 38	Φ		- 1										
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38		38		ŀ										

FHI 059, Version 13		Issued by: FHI			Date o	of issue	: 12/05/2020
Case Number:	2021-0233		Site No:	FS1269		Insp:	
Date of Visit	03/08/2021		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	5
with GB) of susceptible species		novements on from equivalent zone or	0	9	18	26	0
	Number of sup	ncluding third country	0			14	5
Name and a ff							40
Movements off	Frequency of n Number of des		0		6	10 10	10
Exposure via water	realiber of des	Site contacts			6-10		
Water contacts with other	Farm is protect	ed (secure water supply through	I				
farms (holding species	disinfection or l	,	0				0
susceptible to same diseases)		or in a coastal zone with category I n or within 1 tidal excursion	1	2	4		
,		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		
	iamis apstream	Tot within I than excursion	<u>'</u>	7	٥		
Management practices			None	Secure	Unsecure		
Water contacts with processors	Any processing waters	g plant discharging into adjacent	0	1	2		0
On farm processing within	No on farm pro	cessing	0	]			0
the rules of the directive	Processing ow	n fish (re-cycling risk)	1	1			
	Processing fish	r from MS of equivalent status	2	1			
	Processing fish	from zone or compartment of					
	equivalent state		4				
		from Category III farm	8				
	Processing fish	n from Category ∀ farm	10	J			
Disposal of fish and fish by-	Site's own was	te only processed.	0				0
products	Common proce	esses with other farms	3	1			
	Collection poin	t for waste from other farms	5	1			
Use of unpasteurised feeds	No feeding of u	inpasteurised feed	0	ĺ			0
	Feeding unpas	· ·	5	1			
Biosecurity		Number of sites	1	2 or 3	≥ 4		
Contacts with other sites	Sites operating	from single shorebase	0	1	2		0
	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	1			
CoGP/Regulator				J			
Practices in accordance	Yes		Τ ,	1			0
with regulator or industry	No		2				0
code of practice			3	J			
Platform access to cages	Yes		0	]			0
	No		2				
					Total		26
					Rank		HIGH

FHI 059, Version 13	Issued by: FHI	Date of issue: 12/05/2020
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Case No: 2021-0233 Site No: FS1269

# 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 benzoate) as well as access to suitable biological and/or mechanical control measures, and can these be deployed in a reasonable particle.
- 4. Is there a signed documented farm management agreement or statement relevant to the site and CoGP Farm Management Area (equivalent)?
- 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)
- Are sea lice (L. salmonis) record levels below the suggested criteria for treatment in the CoGP during the period that records are ir (CoGP Annex 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 2 or 2 or 2 or 2 or 2 or 2
- 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 critreatment or 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 scenarios
- 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)

### site indoors, vermin control, jump nets

If other, detail below:

# influent and effluent water passes through screens and pumps

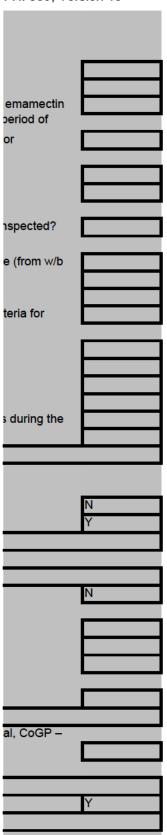
- 3. Have escape incidents or events been experienced on or in the vicinity of the site since the last FHI inspection?
- If Yes proceed with questions 4 9. If No skip to question 10
- 4. Have these been reported to Scottish Ministers?
- Have these been reported to local DSFB forthwith (where they exist)? (CoGP 4.4.37, 5.4.17)
- 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 w	ith local wild fish interests and wa	as permission given by Scottish	Ministers? (Leg
4	4.38, 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)



Case No:	2021-0233	]		Date of visit:	03/08/2021	]		
site No:	FS1269	1		Inspector:				
,	1 0 1200	1		mapeotor.				
Results Summary	Freq.				te of Notifica			
		Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Insp
MG VHS	0/6	11/08/2021		11/08/2021		16/08/2021		
MG IHN	0/6	11/08/2021		11/08/2021		16/08/2021		
	+							
	+							
	+							
	+							
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	+							
	+							
Panart Cumman	_	•		1				
Report Summary Case Type	Date	Insp	2 <sup>nd</sup> Insp	-				
ECS, CNI,VMD	11/08/2021		2 insp					
200, 0.11, 1.112	11/00/2021							
	1							
	4							
	+							
	+							





# FISH HEALTH INSPECTORATE VISIT REPORT

### SUMMARY FOR INFORMATION OF SITE OPERATOR

Business No FB0119 Date of Visit 03/08/2021

SITE No FS1269 SITE NAME Lochailort Recirculation Hatchery
CASE No 20210233 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, due to the water temperature being above 14°C, samples were taken to test for the presence of viral haemorrhagic septicaemia virus (VHSV) and infectious haematopoietic necrosis virus (IHNV). The Inspector did not observe any clinical signs associated with the listed diseases as described in the Aquatic Animal Health (Scotland) Regulations 2009.

# Samples

30 Atlantic salmon were tested for the presence of viral haemorrhagic septicaemia virus (VHSV) and infectious haematopoietic necrosis virus (IHNV). Samples were collected according to the table below:

Fish number	Pool number	Facility number	Stage	Origin
1-5	1	39	2021 Q4	Kildrummie
6-10	2	47	2021 Q4	Kildrummie
11-15	3	42	2021 Q4	Kildrummie
16-20	4	37	2021 Q4	Kildrummie
21-25	5	34	2021 Q4	Kildrummie
26-30	6	46	2021 Q4	Kildrummie

The samples tested **negative** for IHNV and VHSV.

### 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.

Mortality records were inspected and found to be adequately maintained.

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

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

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

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

Medicine records were inspected and found to be adequately maintained.

Samples were taken to be analysed for veterinary residues.

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

The site was also inspected in accordance with the Aquaculture and Fisheries (Scotland) Act 2007 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:

Fish Health Inspector

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

Date: 17/08/2021

FHI 059, Version 13	Issue	ed by: FHI	Date of issue: 12/05/2020
Case No: 2021-0234			Date of visit: 04/08/2021
Time spent on site: 4.	5h	Main Inspecto	r:
Site No: FS0212 Business No: FB0119	Site Name: Business Name:	Invasion Bay Mowi Scotland Ltd	
Case Types: 1 ECI	2 CNI 3 VMD	4 SLI 5 DIA	6
Water Temp (°C): 13.9	Thermometer No:	T173	FHI 045 completed
Observations:	Region: HI	Water type: S	CoGP MA: M-34
Dead/weak/abnormally behaving Clinical signs of disease observed Gross pathology observed? Diagnostic samples taken?	•	Y If yes, see additional inform	mation/clinical score sheet. mation/clinical score sheet. mation/clinical score sheet.
UNI/REG only - if unable to carry	out intended visit detail reas	son below:	

### **Additional Case Information:**

Some information was provided on 06/07/2021. Details provided: Last cycle: VHP, Treatment Records, Site Details, Mortalities

This cycle: VHP, Site Details, Cleanerfish Movements, Lice and Mortality Data

# Cleanerfish:

Lumpfish peak mortality- 2020 Wk28, 1613 ,pseudomonas; 2021 Wk18 1217, wounds and fin damage; 2021 Wk24 1004 emancipation; 2021 Wk25 1137, pseudomonas

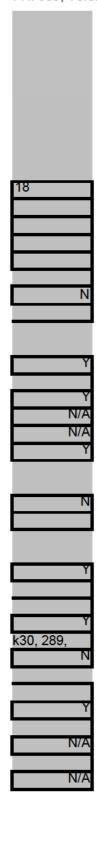
AMX treatment for caligus 20/7/2021 to 23/7/2021.

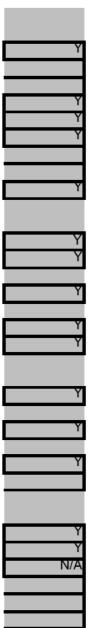
Three fish diagnostic sampling (04/08/2021): fish 1 taken by , observed by . Fish 2 and 3 taken by and observed by . Two fish were moribund and a third that was removed was also included in the sample.

FHI 059, Version 13			Issu	ed by: FHI			Date of issue: 12/05/2020
Case No:	2021-0234	]	Site No:	FS0212			
Date of Visit:		04/08/202	1		Inspector(s	):	
Registration/Author	risation Det	ails					
1. Business/site deta	ails summary	checked by	site representa	ative?			Y
2. Changes made to	details?						N
Site Details (includ	le cleaner fis	sh for all sec	tions)				
Total No facilities	ic cicuitor no	18	Facilities sto	cked	18	No facilities	inspected
Species	SAL	LUM	WRS				
Age group	2020 Q4	2020	wild				
No Fish	564,274	104,058	30,988				
Mean Fish Wt	1.743kg	100g	mix				
Next Fallow Date (S	*	September	2022	Next Input D	_ ` '	December 2	
Recent (last 4 wks)	disease prob	lems?		N	Any escape	s (since last v	risit)?
If yes, detail:							
Movement Record	e						
Movement record		or inspection?	,				
2. Date of last inspe		inopeodori.					14/11/2019
3. Are records comp		ectly entered	?				
4. Are movement re	cords availab	ole for dead fi	sh and waste?	•			
5. Are records comp	olete and corr	ectly entered	?				
6. Are health certific	ates for intro	ductions (out	with GB) availa	able?			
Transport Records		.t.b/	-  -  6\ -6 4	:	: CTD\0		
1. Are any movement of yes, is there a sys		• •	•	•	•		
ii yes, is there a sys	tem in place	ioi maintenai	ice or transpor	rtation records	) <b>f</b>		
Mortality Records							
Mortality records	available for i	inspection?					
2. How are mortalitie		•			Incinerated	- on site	
If other detail:							
3. Mortality records	•	correctly en					
4. Recent mortality (	•		,	372, 0.07%; \	Nk28, 340, 0	.06%; Wk29,	455, 0.08%; W
5. Evidence of recer		* 1					
If yes, facility nos/no	mortality pe	racility/no st	ock per facility	reason:			
6. Any other peaks i	n mortality du	iring period o	hecked?				
If yes, detail:			- cleanerfish c	nly			
7. Have increased (							
If yes, detail action:	an loxplained)	The talking by	on reported to				
8. Have 'mortality ev	ents' been re	ported to FH	l? If no, enter	details on mor	tality events	sheet.	

Treatments and Medicines Records	
1. Recent treatments (see comment)?	
If yes, detail: AMX, 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)?	
If other, detail:	
6. Are medicines stored appropriately?	
Biosecurity Records	
Biosecurity records available for inspection?	
2. Has the manner and frequency of mortality removal, recording and safe disposal been con	
3. Has the manner and period in which the APB will notify Scottish Ministers or veterinary pro	fessional 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	e 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	al unit to minimise
transmission of disease been covered (movement of staff, visitors, equipment, live or dead fi	
7. Is documentation available regarding the measures in place to maintain the physical conta	•
animals held on site?	inition of aquaculture
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: 14/11/2019-27/07/2021	

14/11/2019-27/07/2021





Г	HI 059, Version 13							ISS	sued by:	гпі			
	Case no:	2021-02	234	Site No:		FS0212			Date of		04/0	08/2021	04/0
	Priority samples:	VI		ВА		РА		MG	Samplin	ig:   HI		l	
	Time sampling starts/ends:		0:00	14:0	0:00		Inspecto	or:			VMD No	o. <b> </b>	<b>1</b> 5
	Environmental conditions:	1	Indoors	2		3		4		5			
	Summary samples	HIST	Y	ВА	Y	MG	Y	VI		PA		Total Sa	mples
A	dd Fish/Pools - click												
Г	Pool/Fish No	F1	F2	F3	P1								
	Fish nos	1	2	3	1-3	4	5						
Г	Pool Group	P1	P1	P1	P2								
Г	Species	SAL	SAL	SAL	SAL	SAL	SAL						
	Average weight	1.7000	1.7000	1.7000	1.7000	1.7000	1.7000						
	Sex	N/A	N/A	N/A	N/A	N/A	N/A						
	Water Type	SW	SW	SW	SW	SW	SW						
stock Details		Loch Garry (FS1104)	က Loch Garry (FS1104)	ω Loch Garry (FS1104)	Loch Garry (FS1104)	Loch Garry (FS1104)	Loch Garry (FS1104)						
U.	,	1		U		7	7						

08/2021	Addition	nal Sam	ple Info	rmation							
4	1	Total T	ests ass	signed	4	ı					

FHI 059, Version 13 Issued by: FHI Date of issue: 12/05/2020

Case no:	2021-0234		Site No	):	FS0212	FS0212		ethod of	Method of killing: Anaesthetic			
Date of visit:	04/08/2021		Inspect	tor(s):				S	heet Re	elevant:	Y	
S for strong present	ce: <b>M</b> for medium presence: <b>W</b> for <b>v</b>	woak nros	enco									
Fish Number	co. III for modum prosence. W for	IF1		F3								
	r death (if > 45 minutes)	12:00	12:40	13:15								
External Signs	a doddir (ii z 40 iiiiidaso)		12.70									
Behaviour	Moribund	S		S								
	Lethargic	S		S								
	Hanging vertical											
	Spiralling											
	Flashing											
	Loss of equilibrium											
Body	Dark	S		S								
	Distended abdomen											
	Anorexic											
	Scale Oedema		10/	18/								
Opercula	Shortened		W	W								
	Flared											
Haemorrhaging	Throat											
	Ventrum Peac of fine											
	Base of fins Elsewhere											
Eyes	Exophthalmic Exophthalmic											
Lycs	Enophthalmic (sunken)											
	Cataract	S										
	Haemorrhagic											
Gills	Pale	W										
	Zoned											
	Necrotic											
Lesions		М										
	Elsewhere											
Vent	Inflamed											
	Trailing faeces											
Lice Load	Estimate numbers	0	0	0								
Internal Signs												
Ascites	Clear											
	Bloody											
Oedema Heart	In tissues Pale/anaemic											
пеагі	Granulomas											
	Deformed											
Liver	Petechial haem	S										
	Gross haem											
	Tissue breakdown											
	Enlarged											
	Colour number(s)	4	3	1								
	Granulomas											
	Lesions											
Pyloric caeca	Petechial haem											
	Tubules mauve											
	Lack of fat	VAZ										
Spleen	Enlarged	W										
Cost	Granulomas											
Gut	No food present	S		S								
	Yellow pseudo-faeces	-		3								
	External haem Internal haem											
Body wall	Haemorrhaging											
Swim bladder	Haemorrhaging											
Carini Diadaci	Fluid filled											
Kidney	Swollen											
	Grey	w		S								
	Granular	W		S								
	Liquefied											
General	Parasites present											
	Anaemia											

Case no: 2021-0234

Date of visit: 04/08/2021

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

FHI 059, Version 13	Issued by: FHI	Date of issue: 12/05/2020
A -1-1'1' 1 1		

Additional comments:
F1 adhesions throughout the internal cavity, the spleen was encased in a membrane and was slightly enlarged, one
eye was missing and a cataract was present in the other, the eye was sampled for histo. F2 was from healthy stock as
additional sample training, some considerable scale loss on one flank but this was due to handling as the fish were soft
in addition minor pin prick haemorrhaging was present on the ventral surface. Internally the fish appeared healthy.
Internaly adhesions were evident, some deposits on the fatty tissue. F3 also possessed adhesions in the internal cavity.
Minor lesions on one flank, with scale loss evident.
Kidney slightly grey and granular, there was no other indication of BKD, therefore no samples were taken for this.

FHI 059, Version 13		Issued by: FHI			Date of	of issue	: 12/05/2020
Case Number:	2021-0234		Site No:	FS0212		Insp:	
Date of Visit	04/08/2021			ovements/s	supp./dest.		Score
Live fish movements			0	1-5	6-10	>10	
Movements on (from out	Frequency of movements on from equivalent MS		C	5	10	14	10
with GB) of susceptible species	Frequency of movements on from equivalent zone or		,		10	26	0
ороско	compartment including third country  Number of suppliers		C			26 14	10
				<u> </u>			10
Movements off	Frequency of movements off  Number of destinations		C			10 10	3
Exposure via water Site contacts							
Water contacts with other	Farm is protect	ed (secure water supply through	<u> </u>				
farms (holding species susceptible to same diseases)	disinfection or borehole)		C				0
	Farm is on-line or in a coastal zone with category I farms upstream or within 1 tidal excursion		1	2	4		1
	Farm is on-line 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	1	0		
	iainis upstream	TOT WILLIII T LIGAT EXCUISION		4	0		
Management practices		None	Secure	Unsecure			
Water contacts with processors	Any processing	plant discharging into adjacent waters	С	1	2		0
On farm processing within the rules of the directive	No on farm pro	cessing	C	)			
	Processing own	n fish (re-cycling risk)	1	1			1
	Processing fish	from MS of equivalent status	2	<u> </u>			<del>                                     </del>
	Processing fish	from zone or compartment of		i			
	equivalent statu		4				
		from Category III farm	8	3			
	Processing fish	from Category V farm	10	)			
Disposal of fish and fish by- products	Site's own was	e only processed.	C	)			0
	Common proce	sses with other farms	3	3			
	Collection point	for waste from other farms	5	5			
Use of unpasteurised feeds	No feeding of u	npasteurised feed		]			0
	Feeding unpas	•	5	5			
iosecurity Number of sites		1	2 or 3	≥4			
Contacts with other sites	Sites operating	from single shorebase	C	1	2		0
	Sites sharing st	aff and equipment	C	1	2		0
Disinfection of equipment	Yes			]			0
between sites, use of footbaths etc	No		1				
				J			
CoGP/Regulator Practices in accordance	Yes		Ι ,	1			
with regulator or industry code of practice	No		0				0
			3	']			
Platform access to cages	Yes		0				0
	No		2	2			
				•			
					Total		35
					Rank		HIGH

FHI 059, Version 13 Issued by: FHI Date of issue: 12/05/2020

Case No: Site No: FS0212

## 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, a suitable biological and/or mechanical control measures, and can these be deployed in a reasonable period of time?
- Is there a signed documented farm management agreement or statement relevant to the site and CoGP Farm M
- 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 Anne
- 7. Are sea lice (L. salmonis) record levels below the suggested criteria for treatment in the CoGP during the period
- 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/lf 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
- 10. Have therapeutic treatments been administered or other actions taken when *L. salmonis levels* have exceeded 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 treatmer
- 15. Is there a site specific written lice management procedure with waypoints describing set actions to deal with rec
- 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)

Tension nets top 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
- 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 Scottis
- 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)

Date of issue: 12/05/2020

FHI 059, Version 13	Issued by: FHI	Date of issue: 12/05/2020
Case No: 2021-0234 Site	No: FS0212	
Date of Visit: 04/08/2021	Inspector:	
Point of Compliance		
Is the farm under inspection located within	a farm management area?	Y
If N, no further questions require completion.		
Points of Compliance for Both Farm Mana	gement Agreements and Statements	
2. Has a current farm management agreeme	nt or statement (FMAg/S) been prepare	
3. Is the current FMAg/S available for inspect		Y
<ol><li>Does the FMAg/S identify the relevant farm</li><li>Does the FMAg/S identify the fish farm site</li></ol>	_	Y
6. Does the FMAg/S identify the date of comr	• •	ent?
7. Does the FMAg/S identify the date of review	w?	Y
Arrangements for Fish Health Managemen		
8. Does the FMAg/S identify the minimum headerm?	alth standards for the stocks to be intro	duced to the area or
9. Does the FMAg/S identify the vaccination r	equirements for stocks held in the area	or farm?
10. Does the FMAg/S identify the species of f	•	
11. Does the FMAg/S identify the maximum s individual farm?	stocking density of any pen on any farm	in the area or the
12. Does the FMAg/S identify the arrangemen	nts for the storage and disposal of any	dead fish from any
fish farm in the area or the individual farm?		
Arrangements for The Management of Sea	ı Lice	
13. Does the FMAg/S identify arrangements f	or the sharing of data on sea lice numb	pers and treatments?
14. Does the FMAg/S identify the availability a	and the use of medicines on farms cove	ered by the agreement
of statement?		V.
15. Does the FMAg/S identify any requiremer lice on farms in the area or individual farms?	nts for the sensitivity testing of available	treatments for sea
16. Does the FMAg/S identify the circumstance		cleaner fish are to be  Y  s within the area?
used on farms in the area or individual farms		o with in the one 2
17. Does the FMAg/S identify the arrangemen	nts for synchronous treatments on farm	S WILLIII LITE ALEA!
Live Fish Movements	and the first field are and the first stands	V
18. Does the FMAg/S identify the circumstand area or farm?	ces when live fish may be introduced or	
19. Does the FMAg/S identify the arrangement	nts for the movement of live fish on and	off sites in the area
or individual farms?		

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 in	ndividual farms?
date when a farm or area may be restock 22. Does the FMAg/S identify whether on agreement or statement?	e or more year classes may be stocked ont podstock or potential broodstock are to be k	to sites covered by the
Point of Compliance for Farm Manager 24. Does the farm management agreeme parties to the agreement?	ment Agreements Only ent include arrangements for persons to bed	come, or cease to be,
Management and operation 25. Is the fish farm being managed and o 26. What is the version no/date of issue o	operated in accordance with the agreement of the FMAg/S?  06/11/2020	or statement?

Case No:	2021-0234			Date of visit	: 04/08/2021			
N: 11	500040	7						
Site No:	FS0212	J		Inspector				
Results Summary	Freq.			Da	ate of Notifica	ation		
		Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Insp
<sup>o</sup> seudomonas sp.	3/3	19/08/2021		19/08/2021		26/08/2021		
VSIG	3/3	19/08/2021		19/08/2021		26/08/2021		
SKIN	2/3	19/08/2021		19/08/2021		26/08/2021		
ADHE	1/3	19/08/2021		19/08/2021		26/08/2021		
GPAT	2/3	19/08/2021		19/08/2021		26/08/2021		
PMCH	1/3	19/08/2021		19/08/2021		26/08/2021		
MG IHNQ	Negative	19/08/2021		19/08/2021		26/08/2021		
MG IPN	Negative	19/08/2021		19/08/2021		26/08/2021		
MG SAV	Negative	19/08/2021		19/08/2021		26/08/2021		
MG VHS	Negative	19/08/2021		19/08/2021		26/08/2021		
MG ISAV	Negative	19/08/2021		19/08/2021	Ī	26/08/2021		
	_	1						
	_	1						
	+	+						
		1						
	_							
	_	+						
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		1						
Report Summary		T	I	1				
Case Type	Date	Insp	2 <sup>nd</sup> Insp					
ECI,CNI,SLI,VMD	10/08/202							
DIA	26/08/202							
	_							
	_	-						
	-							
	-							
	-							





# SUMMARY FOR INFORMATION OF SITE OPERATOR

 Business
 No
 FB0119
 Date of Visit
 04/08/2021

 Site No
 FS0212
 Site Name
 Invasion Bay

 Case No
 20210234
 Inspector

# Section 1: Summary

During a routine inspection two lethargic and moribund Atlantic salmon were observed, these were removed for further examination and subsequent diagnostic sampling. A third salmon that had been removed for residue testing was also sampled to allow a direct comparison to be made and for training purposes.

Histopathology examination revealed mild gill pathology and dermatitis. Mild peritonitis was observed in one fish and likely associated with vaccination.

Pseudomonas sp. was isolated from the lesions of all three fish and the kidney of one however, purity and level of growth did not suggest that the bacteria were implicated in fish morbidity.

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

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 visited for a routine inspection. No recent disease problems had been reported. Mortality across the site has been low in weeks leading up to the inspection. On inspection of the stocks two moribund and lethargic fish were observed and removed for further examination and subsequent diagnostic sampling. One additional fish was removed for residue testing.

Externally F1 and F2 were moribund and lethargic with darkened bodies. The opercula of F2 and F3 were slightly shortened. F1 had one eye missing and a cataract, in addition the gills were pale and lesions were evident on the flank. F2 had some minor pin prick lesions on the ventral surface. All three fish had scale loss on the flanks but this was due to handling.

Internally, F1 and F3 displayed adhesions throughout the internal cavity and F2 had some dark deposits on the fatty tissue. F1 had some petechial haemorrhaging on the liver and had a slightly

enlarged spleen. Yellow pseudo faeces was present in the gut of F1 and F3 and the kidneys were grey and granular. The spleen of F1 was encased in a membrane.

#### <u>Samples</u>

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

Fish number	Pool number	Facility number	Species	Stage	Origin
F1	P1	1	Atlantic salmon	2020 Q4/ 1.7kg	Loch Garry (FS1104)
F2	P1	3	Atlantic salmon	2020 Q4/ 1.7kg	Loch Garry (FS1104)
F3	P1	8	Atlantic salmon	2020 Q4/ 1.7kg	Loch Garry (FS1104)

### Results

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

The following bacterium was isolated:

• Pseudomonas sp.: F1-3 (Lesions), F1 (Kidney)

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

The samples tested negative for IHNV, IPNV, ISAV, SAV, VHSV.

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

Histopathological examination revealed the following:

<u>Gill:</u> Mild interlamellar epithelial hyperplasia and lamellar fusion, several lamellae displaying vascular thrombosis (F1). F3 displayed debris among gill filaments and a structure resembling a copepod.

Skin & Muscle: Oedematous epidermal layer, oedema of the stratum spongiosum, no pocket scales present and presence of minimal inflammatory cell infiltration (F1). F2 displayed a focal area with a cluster of osteoclast-like cells and some inflammatory cell infiltration on the stratum spongiosum.

<u>Heart:</u> within normal range.

<u>Gut and pyloric caeca:</u> Abdominal adipose tissue displayed some inflammatory cell infiltration, some fibrous adhesions and granulomatous inflammation (likely associated with vaccine administration) (F1). F2 exhibited some sloughing likely associated with post-mortem artefacts.

Pancreas: Within normal range. F3 displayed evidences of pancreatic autolysis.

R09

<u>Liver:</u> Two granuloma within the hepatic parenchyma (F1), some diffuse vacuolation (macrovisicles) (F1).

<u>Kidney:</u> Few scattered swollen erythrocyte within hematopoietic tissue.

Spleen: Foci of reduced white pulp (F1).

Eye: Within normal range (F1). F2 and F3 not sampled.

Signed:

Fish Health Inspector

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

Date: 26/08/2021





#### SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS NO FB0119 DATE OF VISIT 04/08/2021
SITE NO FS0212 SITE NAME Invasion Bay

Case No 20210234 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.

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

## 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 every second year. The category of the site will be reassessed on a routine basis and updated as required.

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

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

Mortality records were inspected and found to be adequately maintained.

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

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

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

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

Medicine records were inspected and found to be adequately maintained.

Samples were taken to be analysed for veterinary residues.

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

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

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

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

Signed:

Fish Health Inspector

Date: 10/08/2021

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

FHI 059, Version 13	Į:	ssued by: FHI	Date of issue: 12/05/2020
Case No: 2021-0270			Date of visit: 05/08/2021
Time spent on site: 4h	1	Main	Inspector:
Site No: FS0413 Business No: FB0119	Site Name: Business Name:	Camas Glas Mowi Scotland Ltd	
Case Types: 1 ECI 2	2 CNI 3 SLI	4 VMD 5	6
Water Temp (°C): 13.9	Thermometer No:	T173	FHI 045 completed
Observations:	Region: HI	Water type: S	CoGP MA M-34
Dead/weak/abnormally behaving Clinical signs of disease observed Gross pathology observed? Diagnostic samples taken?	•	N If yes, see addition	nal information/clinical score sheet. nal information/clinical score sheet. nal information/clinical score sheet.
UNI/REG only - if unable to carry	out intended visit detail	reason below:	

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

Cleanerfish Previous peak mortalities:

LUM- 2020: wk16, 3251, decomp and wounds; wk17, 4114, decomp, wounds, culled (1648); wk18, 2235, decomp, wounds, culled (756); wk19, 1493, decomp, wounds, culled (400). Dropping after wk17.

#### SAL previous peak mortalities:

2019 wk 40, 2.94%; wk41, 9.54%; wk42, 4.90%; wk43, 2.73%; wk44, 2.41% (post treatment morts)

#### Recent mortality:

LUM mortality: 2021 wk27, 197, decomp and wounds; wk28, 1277, decomp and wounds

SAL mortality: 2021 wk27, 2301, 0.34%; wk28, 2088, 0.52%; wk29, 2519, 0.38%, physical damage; wk30, 2849, 0.43%

WRS mortality: 2021 wk27, 53, wounds and fin damage; wk28, 85, wounds and fin damage;

wk29-814, mostly lumpfish

Sea lice- wk9 2020, not reported over threshold

Concussion main cause of physical damage, looking to install bird poles to mitigate further damage.

Site uses environets, these seem to work well on the circle pens. A couple of pens had some warping of the handrail, this was reported to be due to completing swim-throughs when the temperatures were high, the plastic becomes slightly more maleable and when the weight of the wet net is supported on the handrail some warping occured. A trial of dyneema environets is ongoing with one pen fitted, the net is significantly lighter reducing strain on the pen structure.

The water was very clear allowing a good inspection of the stocks. Wrasse and lumpfish all appeared in good health. The salmon appeared very jumpy however no issues with lice are reported and the fish sampled had zero lice burden. Due to the issues with concussion the 'hamster' wheels are being replaced with bird poles.

Remote inspection conducted on the 29/07/2021 by and observed by . Site inspection conducted by on 05/08/2021. VMD sampling conducted by and observed by .

FHI 059, Ve	rsion 13			Issued by:	FHI		Date of issue: 12/05/2020
Case No:	2021-0270		Site No:	FS0413	3		
Date of Visit:		05/08/202	21		Inspector(s	s):	
	n/Authorioot	tion Dotaila					
	n/Authorisat		ked by site rep	presentative?		V	/
	made to deta	-	ked by site re	presentative:		Ī	
Z. Orlanges	made to dete	ano.				<u> </u>	<u>-                                      </u>
Site Details	(include cle	aner fish for	r all sections)				
Total No fac		12	Facilities sto		12	No facilities ins	spected 12
Species	SAL	LUM	WRS				
Age group	2021 Q1	2021	Wild				
No Fish	663,036	35,404	44,102				
Mean Fish Wt	449.16g	50g	-				
Next Fallow	Date (Site)	October 20	122	Next Input D	ate (Site)	December 202	22
		se problems				es (since last visit	
If yes, detail				•	,,	(	
2. Date of la 3. Are recor 4. Are move 5. Are recor 6. Are healt Transport I 1. Are any n	est inspection ds complete ement records ds complete in certificates Records novements ca re a system i	and correctly s available for and correctly for introduction	entered? r dead fish and	B) available?		_	Y N/A N/A Y
1. Mortality	records availa	able for inspe	ction?				Y
2. How are If other detail:	mortalities dis	sposed of?			Incinerated	d - on site	
	records comm	olete and corr	ectly entered?				Y
•	ortality (last		_	al information			
	• •	•	al mortalities?		·		Y
			ity/no stock pe		n:		
	al information			,			
6. Any other	peaks in mo	rtality during	period checke	d?			Y
If yes, detail	see addition	nal informatio	n				
		plained) mort	alities been re <sub>l</sub>	ported to vet o	r FHI?		N/A
If yes, detail							
8. Have 'mo	rtality events	been reporte	ed to FHI? If no	o, enter details	on mortalit	y events sheet.	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?	Y
Biosecurity Records	
Biosecurity records available for inspection?	Y
2. Has the manner and frequency of mortality removal, recording and safe disposal been considered?	Y
3. Has the manner and period in which the APB will notify Scottish Ministers or veterinary professional of	
any increased (unexplained) mortality at the site been included?	Y
4. Has the action that will be taken in the event that the presence or suspicion of the presence of a listed	
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	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?	Y
2. If yes, are results available for inspection?	Ţ
3. Any significant results?	1
If yes, detail (if not detailed under recent disease problems).	
Concussion and zooplankton damage noted (salmon), Pseudomonas anguillaseptica (cleanerfish: lumpfis	h)
Records checked between: 22/10/2019-29/07/2021	

	11 059, Version 15							155	ueu by.				
	Case no:	2021-02	270	Site No:		FS0413			Date of		05/0	08/2021	05/
	Priority samples:	VI		ВА		РА		MG	Samplir	ng: HI			
	Time sampling starts/ends:		0:00		0:00	1	Inspect	or:			VMD No	).	16
	Environmental conditions:	1	Indoors	2		3		4		5			
	Summary samples	HIST		ВА		MG		VI		PA		Total Sa	amples
A	dd Fish/Pools - click												
	Pool/Fish No												
	Fish nos	1	2	3	4	5	6	7	8	9			
	Pool Group												
	Species	SAL											
	Average weight	0.4490		0.4490			0.4490		0.4490				
	Sex	N/A		N/A		N/A	N/A	N/A		N/A			
	Water Type	SW											
Stock Details		Lochailort (FS1269)											
S	Facility No	12	12	12	2	2	2	5	5	5			

08/2021 Additional Sample Information:							
0 Total Tests assigned 0							
<del></del>							

FHI 059, Version 13		Issued by: FHI			Date o	t issue	: 12/05/2020
Case Number:	2021-0270		Site No:	FS0413		Insp:	
Date of Visit	05/08/2021		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	5
with GB) of susceptible species		novements on from equivalent zone or including third country	0	9	18	26	0
	Number of sup		0	5	10	14	5
Movements off	Frequency of m	novements off	1 0	3	6	10	10
	Number of dest		0	3	6	10	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 upstream	or in a coastal zone with category I n or within 1 tidal excursion	1	2	4		1
	farms upstream	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 waters	plant discharging into adjacent	0	1	2		0
On farm processing within the rules of the directive	No on farm pro	cessing	0				0
	Processing own	n fish (re-cycling risk)	1				
	Processing fish	from MS of equivalent status	2				
	Processing fish equivalent statu	from zone or compartment of us	4				
	Processing fish	from Category III farm	8				
	Processing fish	from Category V farm	10				
•	Site's own wast	te only processed.	0	1			0
products	Common proce	esses with other farms	3				
	Collection point	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	Sites operating	from single shorebase	0	1	2		0
	Sites sharing st	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 with regulator or industry	Yes		0				0
code of practice	No		3				
Platform access to cages	Yes		0				0
	No		2				
					Total Rank		24 MEDIUM

FHI 059, Version 13	Issued by: FHI	Date of issue: 12/05/2020
Case No: 2021-02	270	Site No: FS0413
Sea Lice Inspection (Seawater Sites	s Only)	
1. Has the site experienced sea lice pr	roblems in the previous 4 years?	
2. Is the CoGP Farm Management Are	ea (or equivalent) fallowed synchronously on a single yea	ar class basis?
	ge of licenced in-feed and bath sea lice medications (included biological and/or mechanical control measures, and ca	
4. Is there a signed documented farm equivalent)?	management agreement or statement relevant to the site	and CoGP Farm Management Area (
5. Are sea lice count records available	for inspection? (Legal SSI, CoGP Annex 6)	
6. Do records adequately reflect the re	equired standard specified in the SSI and the CoGP? (Leg	gal SSI, CoGP Annex 6)
7. Are sea lice ( <i>L. salmonis</i> ) record le (CoGP Annex 6)	vels below the suggested criteria for treatment in the CoG	SP during the period that records are ir
8. Have average adult female sea lice	(L. salmonis) numbers per fish been at a level of 3 or absertion in the same inspected? Fish Health Inspectorate? If no, FHI see comment.	ove (prior to w/b 10/6/19) or 2 or above
9. Is C. elongatus infestation at a leve	l which is considered to cause significant welfare problem	ns? (CoGP 4.3.81, 5.3.50)
•	administered or other actions taken when <i>L. salmonis les</i> nsidered to have welfare implications? (CoGP 4.3.82, 5.3	
11. Has any other action been taken (	where applicable)?	
•	e actions taken had a significant impact upon the lice leve	els recorded?
	carried out in cooperation between participating farms?	
14. Is there a harvesting strategy for the	ne site, where fewer populations or part populations are h	eld without treatment for sea lice?
15. Is there a site specific written lice rescalation of a sea lice infestation?	management procedure with waypoints describing set act	tions to deal with recognised scenarios
16. Do the sea lice levels observed on	stocks reflect sea lice count data? If no please detail rea	asons.
Containment Inspection		
•	t damage due to predators in the current or previous proc	duction cycles?
	gainst the predation experienced on site? (Detail below)	-,

(birds),
Tension
nets, Seal
blinds
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? (Leg. 4.4.38, 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)

2021-0270

FHI 059, Version 13	Issued by: FHI	Date of issue: 12/05/2020

CNI & SLI

Page 2 of 1

FHI 059, Version 13	Issued by: FHI	Date of issue: 12/05/2020
Case No: 2021-0270	Site No: FS0413	
Date of Visit: 05/08/2021	Inspector:	
Point of Compliance  1. Is the farm under inspection located w	ithin a farm management area?	Υ
If N, no further questions require complete	tion.	
<ul><li>2. Has a current farm management agree</li><li>3. Is the current FMAg/S available for ins</li><li>4. Does the FMAg/S identify the relevant</li><li>5. Does the FMAg/S identify the fish farm</li></ul>	farm management area? n site(s) to which it applies? commencement of the agreement or staten	ed? Y Y Y
Arrangements for Fish Health Manage 8. Does the FMAg/S identify the minimum farm?	ement in health standards for the stocks to be intro	oduced to the area or Y
10. Does the FMAg/S identify the species	tion requirements for stocks held in the area s of fish which may be stocked into the area um stocking density of any pen on any farn	a or farm?
	ements for the storage and disposal of any m?	dead fish from any
Arrangements for The Management of 13. Does the FMAg/S identify arrangement	f Sea Lice ents for the sharing of data on sea lice num	bers and treatments?
14. Does the FMAg/S identify the availab agreement of statement?	ility and the use of medicines on farms cov	ered by the
_	ements for the sensitivity testing of available ms?	
16. Does the FMAg/S identify the circums used on farms in the area or individual fa	stances under which biological controls and irms?	d cleaner fish are to be
	ements for synchronous treatments on farn	ns within the area?
Live Fish Movements 18. Does the FMAg/S identify the circums area or farm?	stances when live fish may be introduced o	
19. Does the FMAg/S identify the arrange or individual farms?	ements for the movement of live fish on an	d off sites in the area

FHI 059, Version 13	Issued by: FHI	Date of issue: 12/05/2020
Harvesting 20. Does the FMAg/S identify acceptable	e harvest practices on farms in the area or inc	dividual farms?
date when a farm or area may be restoo 22. Does the FMAg/S identify whether o the agreement or statement?	ne or more year classes may be stocked onto	o sites covered by
Point of Compliance for Farm Manage 24. Does the farm management agreem parties to the agreement?	ement Agreements Only nent include arrangements for persons to beco	ome, or cease to be, N/A
Management and operation 25. Is the fish farm being managed and 26. What is the version no/date of issue	operated in accordance with the agreement of the FMAg/S? 21/01/2021	or statement?

	2004 2072				05/00/000	7		
Case No:	2021-0270	J		Date of visit	: 05/08/202			
Site No:	FS0413	1		Inspector				
Results Summary	Freq.				ate of Notifica			
		Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Insp
	<u> </u>							
	+							
	+							
	+							
	1							
	1							
	+							
	+							
Report Summary								
Case Type	Date	Insp	2 <sup>nd</sup> Insp					
ECI, CNI, SLI, VMD	10/08/2021							
	<b>†</b>							





#### SUMMARY FOR INFORMATION OF SITE OPERATOR

Business No FB0119 Date of Visit 05/08/2021
Site No FS0413 Site Name Camas Glas

Case No 20210270 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 third 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.

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

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

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

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

Medicine records were inspected and found to be adequately maintained.

Samples were taken to be analysed for veterinary residues.

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

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

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

On this occasion the site was found to have had average adult female *Lepeophtheirus salmonis* ('sea lice') per fish counts of 2 or above. These counts had not been reported to the Fish Health Inspectorate as part of the required measures to demonstrate that satisfactory measures are in place for the control of sea lice. At this occurrence where the average adult female sea lice per fish count reaches 2 or above this should have been reported to the Fish Health Inspectorate within seven days of the date of the count.

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



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

FHI 059, Version 13	Issu	ed by: FHI	Date of issue: 12/05/2020		
Case No: 2021-0292			Date of visit: 25/08/2021		
Time spent on site:	30mins	Main Inspec	etor:		
Site No: SS0948 Business No: SB0553	Site Name: Business Name:	Burnbank Orkney Shellfish Hatchery (0	OSH) Ltd		
Case Types: 1 REG	2 3	4 5	6		
Water Temp (°C):	Thermometer No:		FHI 045 completed		
Observations:	Region: OR	Water type: B	CoGP MA:		
Dead/weak/abnormally behavin Clinical signs of disease observ Gross pathology observed? Diagnostic samples taken?	•	If yes, see additional information/clinical score sheet.  If yes, see additional information/clinical score sheet.  If yes, see additional information/clinical score sheet.			
UNI/REG only - if unable to carr					
	Site	e Fallow.			

## **Additional Case Information:**

Oysters came onto the site in April 2020 and were held in quarantine tanks until they were transferred to Lamb Holm following negative PCR tests for Bonamia and Marteillia.

First batch were moved off in July 2020.

Site received a second input in March 2021 and were transferred to Lamb Holm following negative PCR tests for Bonamia and Marteillia in April 2021.

The site has remained fallow since April 21.

This site is unlikely to be stocked, and is intended to only be used as a temporary holding facility for animals prior to transfer to Lamb Holm (SS0548).

Broodstock may be transferred to this site from Lamb Holm to allow Lamb Holm to undergo cleaning and disinfection and a short fallow period prior to next spawning, but this has not yet been confirmed.

FHI 059, Version 13		_	Issu	ed by: FHI	_		Date of issue	e: 12/05/2020
Case No:	2021-0292		Site No:	SS0948				
Date of Visit:		25/08/2021	1		Inspector(s):			
Registration/Autho	risation Deta	ils						
1. Business/site deta	•	checked by s	ite representa	ative?			Υ	
2. Changes made to	details?						Υ	
Site Details (includ	le cleaner fisl	h for all secti	ions)					
Total No facilities		2	Facilities sto	cked	0	No facilities	s inspected	2
Species								
Age group								
No Fish								
Mean Fish Wt								
Next Fallow Date (S	*	Currently fall	ow.	Next Input Da	_ ` ′	Unsure.	1.110	
Recent (last 4 wks)  If yes, detail:	disease proble	ems?		IN	Any escapes	(since last v	visit)?	N
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?							on Y Y Y N/A	
Mortality Records							•	
Mortality records	available for in	nspection?						Y
2. How are mortalities		•			Other (detail)			
If other detail:			and stored in	a freezer until	,		ninglebraes wa	aste facility
3. Mortality records								Y
4. Recent mortality (	(last 4 wks):	·	Last 4 weeks	s mortality prior	r to transfer to	Lamb Holm	n was an aver	age weekly
5. Evidence of recer	nt increased/a							N
If yes, facility nos/no	mortality per	facility/no sto	ck per facility	/reason:				
6. Any other peaks i	n mortality dui	ring period ch	ecked?					N
If yes, detail:	unovalciacd\ "	mortalitica ka	on ronorted to	vot or FUID				N/A
7. Have increased (If yes, detail action:	unexplained) r l	nortailles be	en reported to	vecor FHI?				IN/A
8. Have 'mortality ev	ents' heen rer	orted to FHI	2 If no enter	details on mort	ality events sh	neet		N/A
o. Have mortality ev	Citto Decirie		. II IIO, CIIIGI	details on more	unty CVEITIG SI	1001.		14//

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?	
o. The medianes stored appropriately:	
Biosecurity Records	
Biosecurity records available for inspection?	Y
2. Has the manner and frequency of mortality removal, recording and safe disposal been considered?	Y
3. Has the manner and period in which the APB will notify Scottish Ministers or veterinary professional of any	
increased (unexplained) mortality at the site been included?	Y
4. Has the action that will be taken in the event that the presence or suspicion of the presence of a listed disease	
is detected been included and how and when that will be notified to Scottish Ministers?	Y
5. Has the health status of aquaculture animals being stocked on the farm site been covered (equal or higher	Y
health status, certification if required)?	
6. Have the husbandry and biosecurity measures implemented between each epidemiological unit to minimise	Y
transmission of disease been covered (movement of staff, visitors, equipment, live or dead fish etc.)?	V
7. Is documentation available regarding the measures in place to maintain the physical containment of	Y
aquaculture animals held on site?	V
8. Have the biosecurity procedures been adequately implemented on site?  If no, detail:	T
ii iio, detaii.	
Results of Surveillance	
Has any animal health surveillance been carried out by, or on behalf of, the business?	Y
2. If yes, are results available for inspection?	·
3. Any significant results?	N
If yes, detail (if not detailed under recent disease problems).	
yes, actain (ii iiict actained andoi recont diocade probleme).	
Records checked between: First Inspection.	

12/05/2020

FHI 059, Version 13	Issued by: FHI			Date	of issue: 12
Case Number:	2021-0292 Site No:	SS094	8		
Date of Visit	25/08/2021 Inspector:				
Number of Susceptil	ole species on site				
	ies present = <u>LOW</u> risk				
If susceptible species	present, score for each pathogen		No	Yes	
	Susceptible to Bonamia ostrea (OED)		0	25	25
	Susceptible to Marteilia refringens (OED, MED)		0	3	3
	Susceptible to OsHV (CGI)		0	3	
Sites within a tidal e	xcursion	1	2-5	>6	
Site contacts	Number of sites holding susceptible species within a tidal				
	excursion	0	2	10	0
Live shellfish moven	nents	0	1-2	>3	
Movements on	Frequency of movements on from equivalent MS	0	5	10	0
	Frequency of movements on from equivalent zone or				
	compartment including third country	0	10	20	
	Number of suppliers	0	5	10	0
Movements off	- , , , , , , , , , , , , , , , , , ,				
	Frequency of movements off within MSS Management Areas	0	1	2	1
	Frequency of movements off outwith MSS Management				·
	Areas	0	3	6	
	Number of destinations	0	3	6	3
Management			Secure (effluent	Unsecure (no effluent	
practices		None	treatment)	treatment)	
Water contacts with			,		
depuration facilities	Depuration of stock from own sites within MSS		4	2	0
	management area	0	1	2	0
	Depuration of stock from other businesses sites within MSS management area	0	2	6	0
	Depuration of stock from sites outwith MSS management	_			
	area	0	4	8	0
Biosecurity	Number of sites	1	2 or 3	≥ 4	
Contacts with other	Sites operating from single shorebase	0	1	2	0
sites	Sites sharing staff and equipment	0	1	5	0
			Yes	No	
	Disinfection of equipment between sites, use of footbath	0	2	0	
	Distribution of equipment between sites, use of footbath	13 616	J		J
			Total		32
			Risk		HIGH

Case No:	2021-0292			Date of visit	25/08/2021			
Site No:	SS0948	)		Inspector				
Results Summary	Freq.			Da	ate of Notifica	ation		
,	i i	Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Insp
	+							
			-					
D + 0								
Report Summary			nd	-				
Case Type	Date	Insp	2 <sup>nd</sup> Insp					
Reg	31/08/2021							
	+							
	+							





## SUMMARY FOR INFORMATION OF SITE OPERATOR

 Business No
 SB0553
 Date of Visit
 25/08/2021

 Site No
 SS0948
 Site Name
 Burnbank

 Case No
 20210292
 Inspector

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

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

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

Signed: Date: 30/08/2021

Fish Health Inspector

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

FHI 059, Version 13		Issued by: FHI	Date of issue: 12/05/2020	
Case No: 2021-0293			Date of visit: 25/08/2021	
Time spent on site:	r	Main Inspect	or:	
Site No: SS0548 Business No: SB0553	Site Name: Business Name:	Lamb Holm Orkney Shellfish Hatchery (O	SH) Ltd	
Case Types: 1 ECI 2	3	4 5	6	
Water Temp (°C): 8	Thermometer No:	T152	FHI 045 completed N/A	
Observations:	Region: OR	Water type: S	CoGP MA:	
Dead/weak/abnormally behaving fish present?  Clinical signs of disease observed?  Gross pathology observed?  Diagnostic samples taken?  N  If yes, see additional information/clinical score of the present of the prese				
UNI/REG only - if unable to carry of	out intended visit detail	l reason below:		

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

Average weekly mortality since input in July 2020 was 0.7%

The oyster broodstock on site were originally sourced from the Isle of Mull. They were originally moved onto OSHs Burnbank site (SS0948) where they were housed for a period of time while testing for listed diseases was ongoing at Marine Scotland. Following negative results, the animals were transferred to this site.

Lobsters are also wildcaught by local fishing vessels in the waters around Orkney, and transferred to Lamb Holm Quarry (SS0806). Lobsters are generally sold for human consumption from SS0806, but gravid females are transferred to Lamb Holm where they are placed in tanks for spawning. Larvae are collected in dedicated tanks and then released back into the wild. Adult females are then transferred back to SS0806 where they are then sold for human consumption.

Holding tanks are maintained at a temperature of 8 degrees. Spawning tanks are maintained at 22 degrees.

Any mortalities and waste are sealed in biohazard bags and then stored in a freezer until such a time when capacity is reached. Bags are then taken to Chinglebraes clinical waste facility in Orkney for incineration.

There are preliminary plans in place to supply the DEEP restoration project with juvenile oysters towards the end of this year, beginning of next year. Site manager explained that restoration projects would be the destination for the majority of their stock.

All animals observed on site appeared healthy. No gaping shells were observed in any of the stock.

FHI 059, Version 13		_	ls	sued by: FHI	_		Date of issue	e: 12/05/2020
Case No:	2021-0293	]	Site No:	SS0548	3			
Date of Visit:		25/08/202	21		Inspector(s)			1
Registration/Autho	risation Det	ails						
1. Business/site deta			site represe	ntative?			Υ	
2. Changes made to	details?	·	·				Υ	
Site Details (includ	o cloanor fic	h for all so	ctions)					
Total No facilities	e cleaner na	1	Facilities	stocked	1	No faciliti	es inspected	1
Species	OED	OED	HGA	HGA	<del> </del>	140 faciliti	СЭ ПЭРССКС	•
Age group	Adult	Spat	Adult	Juveniles				
No Fish	636	245,000	1	2,000				
Mean Fish Wt	300g	<1g	1.8kg	<1g				
Next Fallow Date (S		November		Next Input Da	ate (Site)	Feb 22	_	
Recent (last 4 wks)					Any escapes	s (since las	t visit)?	N
If yes, detail:	· ·						,	
<ul> <li>4. Are movement red</li> <li>5. Are records comp</li> <li>6. Are health certification</li> <li>Transport Records</li> <li>1. Are any movement</li> <li>If yes, is there a systematic red</li> </ul>	elete and corr ates for introd nts carried ou	ectly entereductions (ou	d? twith GB) ava pehalf) of the	ailable? business (not us				N/A
	·		·					
Mortality Records  1. Mortality records a	available for i	increation?						V
2. How are mortalities		•			Other (detail	\		'
If other detail:			is and stared	Lin a franzar pria	`	,	obrace waste f	ocility
3. Mortality records				l in a freezer prio	i to incineratio	n at Ching	ebraes waste i	acility.
4. Recent mortality (	•	correctly ci		nortality across t	ha sita is 25 a	vetore/wool	k (2.2% per we	
5. Evidence of recer		atypical mort		Tiortainty across ti	116 316 13 23 0	ysters/wee	K (2.270 per we	N N
If yes, facility nos/no		• •		litv/reason:				
,				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
6. Any other peaks in	n mortality du	uring period	checked?					N
If yes, detail:								
7. Have increased (u	inexplained)	mortalities b	een reported	d to vet or FHI?				N/A
If yes, detail action:								
8. Have 'mortality ev	ents' been re	ported to FI	II? If no, ente	er details on mor	tality events s	heet.		N/A

Tuestments and Madiaines Decords	
Treatments and Medicines Records	
1. Recent treatments (see comment)?	
If yes, detail:	
If other, detail:	
2. Medicines records available for inspection?	
3. Are records complete and correctly entered?	
4. Are fish in a withdrawal period?	
5. If yes, what treatment(s)?	
If other, detail:	
6. Are medicines stored appropriately?	
Biosecurity Records	
Biosecurity records available for inspection?	Y
2. Has the manner and frequency of mortality removal, recording and safe disposal been considered?	Y
3. Has the manner and period in which the APB will notify Scottish Ministers or veterinary professional of any	
increased (unexplained) mortality at the site been included?	Y
4. Has the action that will be taken in the event that the presence or suspicion of the presence of a listed disease	
is detected been included and how and when that will be notified to Scottish Ministers?	Y
5. Has the health status of aquaculture animals being stocked on the farm site been covered (equal or higher	Y
health status, certification if required)?	
6. Have the husbandry and biosecurity measures implemented between each epidemiological unit to minimise	Y
transmission of disease been covered (movement of staff, visitors, equipment, live or dead fish etc.)?	
7. Is documentation available regarding the measures in place to maintain the physical containment of	Y
aquaculture animals held on site?	
8. Have the biosecurity procedures been adequately implemented on site?	Y
If no, detail:	
Results of Surveillance	
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: 1/12/2020 - 17/08/2021	

12/05/2020

FHI 059, Version 13	Issued by: FHI			Date	of issue: 12				
Case Number:	2021-0293 Site No:	SS054	8						
Date of Visit	25/08/2021 Inspector:								
Number of Susceptik	ole species on site								
	ies present = <u>LOW</u> risk								
If susceptible species	present, score for each pathogen		No	Yes					
	Susceptible to Bonamia ostrea (OED)		0	25	25				
	Susceptible to Marteilia refringens (OED, MED)		0	3	3				
	Susceptible to OsHV (CGI)		0	3					
Sites within a tidal ex	xcursion	1	2-5	>6					
Site contacts	Number of sites holding susceptible species within a tidal								
	excursion	0	2	10	0				
Live shellfish moven	nents	0	1-2	>3					
Movements on	Frequency of movements on from equivalent MS	0	5	10	0				
	Frequency of movements on from equivalent zone or								
	compartment including third country	0	10	20					
	Number of suppliers	0	5	10	0				
Movements off	Frequency of movements off within MSS Management Areas	0	1	2	1				
	Frequency of movements off <u>outwith</u> MSS Management Areas	0	3	6	6				
	Number of destinations	0	3	6	3				
Management practices		None	Secure (effluent treatment)	Unsecure (no effluent treatment)					
Water contacts with depuration facilities	Depuration of stock from own sites within MSS management area	0	1	2	0				
	Depuration of stock from other businesses sites within								
	MSS management area	0	2	6	0				
	Depuration of stock from sites outwith MSS management								
	area	0	4	8	0				
Biosecurity	Number of sites	1	2 or 3	≥ 4					
Contacts with other	Sites operating from single shorebase	0	1	2	0				
sites	Sites sharing staff and equipment	0	1	5	0				
			Yes	No					
	Disinfection of equipment between sites, use of footbath	s etc	0	2	0				
			Total Risk		38 HIGH				

Case No:	2021-0293	]		Date of visit	25/08/2021			
Site No:	SS0548	]		Inspector				
Results Summary	Freq.			Da	ate of Notifica	ation		
,		Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Insp
	_							
	-	<del>                                     </del>						
	_							
			-				-	
	+		-				-	
Report Summary								
Case Type	Date	Insp	2 <sup>nd</sup> Insp					
ECI	31/08/2021							
	_							
	+							
	+							
	1							





#### SUMMARY FOR INFORMATION OF SITE OPERATOR

 Business No
 SB0553
 Date of Visit
 25/08/2021

 Site No
 SS0548
 Site Name
 Lamb Holm

 Case No
 20210293
 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 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.

Mortality records were inspected and found to be adequately maintained.

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

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

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

Signed: Date: 30/08/2021
Fish Health Inspector

FHI 059, Version 13	Issued by: FHI	Date of issue: 12/05/2020					
Case No: 2021-0294		Date of visit: 24/08/2021					
Time spent on site: 3hrs		Main Inspector:					
	e Name: Meil Bay siness Name: Cooke Aquacu	lture Scotland Ltd					
Case Types: 1 ECI 2 CN	II 3 SLI 4 VMD	5 6					
Water Temp (°C): 13.5 The	ermometer No:	FHI 045 completed					
Observations: Reg	gion: OR Water type	e: S CoGP MA: O-2					
Dead/weak/abnormally behaving fish present?  Clinical signs of disease observed?  Gross pathology observed?  Diagnostic samples taken?  If yes, see additional information/clinical score sheet.  N  If yes, see additional information/clinical score sheet.  N  N							
UNI/REG only - if unable to carry out intended visit detail reason below:							

Smolts came on from Yetts O'Muckart (FS0371) in April 2020.

Used as a nursery site. Fish will be moved off to Carness and Quanterness.

Deadhaul harvests go to Kirkwall processing plant within the disease management area. No discharge into DMA.

All mortalities are transferred to Doon Bay in sealed bins where they are collected by a Cooke road lorry and transferred to Pelagia in Bussy, Shetland where they are ensiled.

Seal presence has been noted around the site. Although not causing damage to equipment, the majority of mortalities at the site have been attributed to seal damage.

Site is equipped with both nylon nets and seal blinds on half of the cages and sapphire nets on the other half. Mortalities attributed to seal damage are higher in cages with nylon nets. Site plans to replace the nylon nets with sapphire nets during fallow.

Sites within the FMA are not fallowed synchronously on a single year class basis, but there is a documented risk assessment for this which was made available during the inspection.

Fish were sitting deep in the water so difficult to observe. One moribund observed across the site, removed at the time of inspection and humanely dispatched.

Fish sampled for VMD appeared healthy and demonstrated a strong feeding response.

FHI 059, Version 13	;		Issu	ed by: FHI			Date of issu	ie: 12/05/2020
Case No:	2021-0294		Site No:	FS0597				
Date of Visit:		24/08/2021	]		Inspector(s):			
Registration/Author	orisation Deta	ails						
1. Business/site det			ite representa	ative?			Y	1
2. Changes made to	•	·	·				Υ	1
Site Details (includ	de cleaner fis	h for all sect	ions)					
Total No facilities		10	Facilities sto	cked	6	No facilitie	es inspected	10
Species	SAL							
Age group	2020 S1							
No Fish	99,000							
Mean Fish Wt	4kg							
Next Fallow Date (S		Sep 21		Next Input Da	ate (Site)	Mar 22		•
Recent (last 4 wks)	disease probl	ems?		N	Any escapes	(since last	visit)?	N
If yes, detail:						,	,	
1. Movement record 2. Date of last inspect 3. Are records completed. Are movement records completed. Are health certified.  Transport Records 1. Are any movement figures, is there a system.	ection: plete and correcords availabelete and correctes for introducts at the corrected output of the corrected output output of the corrected output	ectly entered? le for dead fis ectly entered? ductions (outw	th and waste? vith GB) availa half) of the bu	able? usiness (not us	-		29/05/2018	Y Y Y Y N/A
Mortality records	available for i	nspection?						
2. How are mortaliti		•			Other (detail)			<u> </u>
If other detail:		al comments.			Other (detail)			
3. Mortality records								T 7
4. Recent mortality	•	Correctly eric		0.76%) Wk31:	210 (0 210/)	M/k20: 492	2 (O 200/ ) M/k	20: 102
<ol> <li>Evidence of rece</li> </ol>	,	itynical mortal		0.7076) VVK31.	310 (0.21 /6),	VVK30. 403	0.2970), VVK	29. 192 N
If yes, facility nos/no		• •		/reason:				
	• •							
6. Any other peaks If yes, detail:	in mortality du	ring period ch	necked?					N
ท yes, detail. 7. Have increased (	unexplained)	mortalities be	en reported to	o vet or FHI?				N/A
If yes, detail action:			z oponou it					
8. Have 'mortality e	vents' been re	ported to FHI	? If no, enter	details on mort	ality events sh	neet.		N/A

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)?
If other, detail:
6. Are medicines stored appropriately?
Biosecurity Records
Biosecurity records available for inspection?
2. Has the manner and frequency of mortality removal, recording and safe disposal been considered?
3. Has the manner and period in which the APB will notify Scottish Ministers or veterinary professional of any
increased (unexplained) mortality at the site been included?
4. Has the action that will be taken in the event that the presence or suspicion of the presence of a listed disease
is detected been included and <i>how</i> and <i>when</i> that will be notified to Scottish Ministers?
5. Has the health status of aquaculture animals being stocked on the farm site been covered (equal or higher
health status, certification if required)?
6. Have the husbandry and biosecurity measures implemented between each epidemiological unit to minimise
transmission of disease been covered (movement of staff, visitors, equipment, live or dead fish etc.)?
7. Is documentation available regarding the measures in place to maintain the physical containment of
aquaculture animals held on site?
8. Have the biosecurity procedures been adequately implemented on site?
If no, detail:
Results of Surveillance
1. Has any animal health surveillance been carried out by, or on behalf of, the business?
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: 29/05/2018 - 24/08/2021

FHI 059, Version 13		Issued by: FHI			Date of	of issue	: 12/05/2020
Case Number:	2021-0294		Site No:	FS0597		Insp:	
Date of Visit	24/08/2021		No of m	ovements/s	supp./dest.		Score
Live fish movements			0	1-5	6-10	>10	
Movements on (from out	Frequency of m	novements on from equivalent MS	C	5	10	14	0
with GB) of susceptible species		novements on from equivalent zone or	С	9	18	26	
•	Number of sup	ocluding third country	C			14	0
Movements off	Frequency of m		C	3		10	10
Movements on	Number of dest		0			10	3
Exposure via water		Site contacts	. 0	1-5	6-10		
Water contacts with other farms (holding species	Farm is protect disinfection or b	ed (secure water supply through porehole)	C				
susceptible to same diseases)	farms upstream	or in a coastal zone with category I or within 1 tidal excursion	1	2	4		2
	farms upstream	or in a coastal zone with category III or within 1 tidal excursion	1	3	6		
		or in a coastal zone with category V or within 1 tidal excursion	1	4	8		
Management practices			None	Secure	Unsecure		
Water contacts with processors	Any processing	plant discharging into adjacent waters	С	1	2		0
On farm processing within the rules of the directive	No on farm pro	cessing	C				
	Processing own	n fish (re-cycling risk)	1				1
	Processing fish	from MS of equivalent status	2	2			
	Processing fish equivalent statu	from zone or compartment of us	4	ļ			
		from Category III farm	8	3			
	Processing fish	from Category V farm	10	)			
Disposal of fish and fish by-	Site's own was	e only processed.	C				
products	Common proce	sses with other farms	3	3			3
	Collection point	for waste from other farms	5	3			
Use of unpasteurised feeds	No feeding of u	npasteurised feed	0	<u>-</u> 5]			0
	Feeding unpas	teurised feed	5	5			
Biosecurity		Number of sites	1	2 or 3	≥ 4		
Contacts with other sites	Sites operating	from single shorebase	C	1	2		2
	Sites sharing st	aff and equipment	C	1	2		1
Disinfection of equipment	Yes		C				0
between sites, use of footbaths etc	No		1	<u> </u>			
CoGP/Regulator	1			,			
Practices in accordance with regulator or industry	Yes		C				0
code of practice	No		3	3			
Platform access to cages	Yes			5]			0
	No		2	2			
			-	J			
					Total Rank		MEDIUM

FHI 059, Version 13		Issued by: FHI		Date of issue: 12/05/2020
Case No:	2021-0294	Site	No: FS0597	
Sea Lice Inspection (S	Socurator Sitos Only)			
-	nced sea lice problems in the previous	4 vears?		N
•	anagement Area (or equivalent) fallow	· ·	single year class basis?	? N
	ccess to a range of licenced in-feed a			
	mectin benzoate) as well as access t in a reasonable period of time?	o suitable biological and/	or mechanical control r	measures, and
4. Is there a signed doc Management Area (or e	cumented farm management agreeme equivalent)?	nt or statement relevant to	o the site and CoGP Fa	arm Y
	cords available for inspection? (Legal	·		Υ
6. Do records adequate	ely reflect the required standard specif	ied in the SSI and the Co	GP? (Legal SSI, CoGP	Annex 6) Y
7. Are sea lice ( <i>L. salme</i> ecords are inspected?	onis) record levels below the suggest (CoGP Annex 6)	ed criteria for treatment in	the CoGP during the	period that Y
~	emale sea lice ( <i>L. salmonis</i> ) numbers 0/6/19) during the period that records a	•	of 3 or above (prior to w	v/b 10/6/19) or N
·	reported to the Fish Health Inspector			N/A
9. Is <i>C. elongatus</i> infes	tation at a level which is considered to	cause significant welfare	e problems? (CoGP 4.3	3.81, 5.3.50) N
•	eatments been administered or other a eatment or where <i>C. elongatus</i> is con			
•	n been taken (where applicable)?			N/A
· ·	eatments or the actions taken had a si	· · · ·		N/A
	ere conducted, carried out in cooperat g strategy for the site, where fewer po			eatment for Y
sea lice?	y strategy for the site, where lewer po	pulations of part population	nis are nela williout lie	saunent for
	fic written lice management procedure calation of a sea lice infestation?	e with waypoints describin	ig set actions to deal w	vith recognised Y
16. Do the sea lice leve	els observed on stocks reflect sea lice	count data? If no please	detail reasons.	Y
Containment Inspection	on			
·	nced equipment damage due to preda	tors in the current or previ	ious production cycles	? N
•	ce to mitigate against the predation ex	perienced on site? (Detai	l below)	Υ
Top nets,				
ensioned sapphire nets,				
nylon nets and				
seal blinds				
f other, detail below:				
P. Hayo accordinately	nts or events been experienced on or	in the vicinity of the cite of	ince the last EUI inche	nation?
	estions 4 – 9. If No skip to question 10		ince the last FHI insper	ection?
	orted to Scottish Ministers?			
· ·	orted to local DSFB forthwith (where t	hey exist)? (CoGP - 4.4.	.37, 5.4.17)	
·	orted to the SSPO and local fisheries	* ' '	· ·	.37, 5.4.17)
7. Were methods (if any	y) used to recover escapees? If yes gi	ve detail		
) If all pata war day	ayod woo this cation are admitted.	wild figh interests and	o norminalan si una l	Caattiah
B. If gill nets were deplo Ministers? (Legal, CoGl	byed was this action agreed with local P – 4.4.38, 5.4.18)	wild lish interests and wa	s permission given by	Scottish
	en to prevent and minimise the risk of	further escapes? (Not co	vered in code but could	d
	satisfactory measures of the Act)			N/
IU. Is the site inspected	d as satisfactory with regards to contain	nment? If no, please deta	ılı reason(s)	Y

FHI 059, Version 13	Issued by: FHI	Date of issue: 12/05/2020
Case No: 2021-0294 Site	e No: FS0597	
Date of Visit: 24/08/2021	Inspector:	
Point of Compliance		
1. Is the farm under inspection located within	n a farm management area?	Y
f N, no further questions require completion	1.	
Points of Compliance for Both Farm Man	agement Agreements and Statements	
2. Has a current farm management agreeme		Υ Υ
3. Is the current FMAg/S available for inspec		Y
<ol> <li>Does the FMAg/S identify the relevant far</li> <li>Does the FMAg/S identify the fish farm sit</li> </ol>	•	Y
6. Does the FMAg/S identify the date of com		nt? Y
7. Does the FMAg/S identify the date of review	•	Y
Arrangements for Fish Health Manageme	ent	
3. Does the FMAg/S identify the minimum he		uced to the area or
arm?	was an income out of an atacks hald in the area	V V
<ol><li>Does the FMAg/S identify the vaccination</li><li>Does the FMAg/S identify the species of</li></ol>	·	
11. Does the FMAg/S identify the maximum	•	
ndividual farm?		
12. Does the FMAg/S identify the arrangement of the form in the area, or the individual form?	ents for the storage and disposal of any de	ead fish from any
ish farm in the area or the individual farm?		
Arrangements for The Management of Se		V
13. Does the FMAg/S identify arrangements	for the sharing of data on sea lice number	ers and treatments?
14. Does the FMAg/S identify the availability	and the use of medicines on farms cover	ed by the agreement
of statement? 15. Does the FMAg/S identify any requireme	ants for the sensitivity testing of available t	reatments for sea
ice on farms in the area or individual farms?		
16. Does the FMAg/S identify the circumstan	•	within the area?
used on farms in the area or individual farms 17. Does the FMAg/S identify the arrangeme		within the area?
Live Fish Movements		
18. Does the FMAg/S identify the circumstar	nces when live fish may be introduced or r	removed from the
area or farm?		
<ol> <li>Does the FMAg/S identify the arrangement individual farms?</li> </ol>	ents for the movement of live fish on and o	off sites in the area

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 indi	vidual farms?
date when a farm or area may be restocl 22. Does the FMAg/S identify whether or agreement or statement?	ne or more year classes may be stocked onto	sites covered by the
Point of Compliance for Farm Manage 24. Does the farm management agreement?	ement Agreements Only ent include arrangements for persons to become	me, or cease to be,
Management and operation 25. Is the fish farm being managed and of the control of	operated in accordance with the agreement or of the FMAg/S?  Jan-21	statement? Y

ЕП	1 039, Version 13							155	ueu by.	ГП			
	Case no:	2021-02	294	Site No:		FS0597			Date of Samplin		24/	08/2021	24/(
	Priority samples:	VI		ВА		PA		MG		ig.   HI			
	Time sampling starts/ends:	11:3	0:00	12:0	0:00		Inspecto	or:			VMD No	o.	10
1	Environmental conditions:	1	Dry	2	Cloudy	3		4		5			
;	Summary samples	HIST		ВА		MG		VI		PA		Total Sa	amples
Ad	d Fish/Pools - click												
	Pool/Fish No												
	Fish nos	1											
	Pool Group												
	Species	SAL											
	Average weight	4kg											
	Sex	N/A											
	Water Type	SW											
		Yetts O'Muckart FS0371											
sils		Mu											
Details		s O 371											
	Ota ale Osiais	etts S03											
	Stock Origin Facility No	Σű											
S	I acility NO	2											

)8/2021	D8/2021 Additional Sample Information: Humanely dispatched by percussive blow.											
0	l	Total To	ests ass	igned	0	1						

Site No: FS0597

Case No: 2021-0294

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

Case No:	2021-0294			Date of visit:	24/08/2021			
Site No:	S0597			Inspector:		l		
Results Summary F	req.			Da	te of Notifica	tion		
·		Database	Insp	Phone	Insp		Insp	2 <sup>nd</sup> Insp
Report Summary								
	Date	Insp	2 <sup>nd</sup> Insp					
ECI, CNI, SLI, VMD	30/08/2021							
+								





#### SUMMARY FOR INFORMATION OF SITE OPERATOR

 Business No
 FB0095
 Date of Visit
 24/08/2021

 Site No
 FS0597
 Site Name
 Meil Bay

 Case No
 20210294
 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.

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

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

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

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

Medicine records were inspected and found to be adequately maintained.

Samples were taken to be analysed for veterinary residues.

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

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

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

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

Signed:

Fish Health Inspector

Date: 30/08/2021

FHI 059, Version 13	Issued by: FHI	Date of issue: 12/05/2020					
Case No: 2021-0295		Date of visit: 24/08/2021					
Time spent on site: 3hrs	Main Inspec	tor:					
Site No: FS0908 Site Na Business No: FB0095 Busine	ame:  Quanterness  Cooke Aquaculture Scotland	Ltd					
Case Types: 1 ECI 2 CNI	3 SLI 4 VMD 5	6					
Water Temp (°C): 13.5 Therm	nometer No: T152	FHI 045 completed					
Observations: Region	n: OR Water type: S	CoGP MA: O-2					
Dead/weak/abnormally behaving fish present?  Clinical signs of disease observed?  Gross pathology observed?  Diagnostic samples taken?  If yes, see additional information/clinical score sheet.  N  If yes, see additional information/clinical score sheet.  N  N							
UNI/REG only - if unable to carry out intended visit detail reason below:							

Smolts came on from Yetts O'Muckart (FS0371) in April 2020.

All mortalities are transferred to Doon Bay in sealed bins where they are collected by a Cooke road lorry and transferred to Pelagia in Bussy, Shetland where they are ensiled.

Site has had very low mortality since input and fish are reportedly doing very well, with high conversion rates observed across both stocks.

Average lep numbers across the site are extremely low. Caligus numbers have increased slightly in the last few weeks but are not at a level where intervention is deemed necessary. No treatment planned at this time.

Deadhaul harvests are taken to Kirkwall processing plant within the disease management area. No discharge into DMA. No live movements of fish off this site.

Sites within FMA are not fallowed synchronously on a single year class basis, but there is a documented risk assessment for this which was made available during the inspection.

A few moribunds were observed across the site that had a higher than average lice load, however this was not reflective of the whole population which appeared healthy. Moribunds were removed at time of inspection and humanely dispatched. No other clinical signs of disease were observed so fish were not sampled for diagnostics.

Fish sampled for VMD appeared healthy and demonstrated a strong feeding response.

FHI 059, Version 13			Issu	ed by: FHI	_		Date of issue	e: 12/05/2020
Case No:	2021-0295		Site No:	FS0908	]			
Date of Visit:		24/08/2021	]		Inspector(s):			
Registration/Autho	risation Deta	ils						
1. Business/site deta			ite representa	ative?			Υ	
2. Changes made to	details?						Υ	
Site Details (includ	e cleaner fish	n for all secti	ions)					
Total No facilities		8	Facilities sto	cked	8	No facilities	s inspected	8
Species	SAL							
Age group	2020 S1							
No Fish	153,792							
Mean Fish Wt	3.7kg							
Next Fallow Date (S	ite)	Oct/Nov 21		Next Input Da	ite (Site)	Jan/Feb 22		
Recent (last 4 wks)	disease proble	ems?		N	Any escapes	(since last v	/isit)?	N
If yes, detail:								
<ul> <li>3. Are records comp</li> <li>4. Are movement re</li> <li>5. Are records comp</li> <li>6. Are health certific</li> <li>Transport Records</li> <li>1. Are any movement</li> <li>If yes, is there a system</li> </ul>	cords available blete and corre ates for introd ints carried out	e for dead fis ctly entered? uctions (outwood)	h and waste? vith GB) availa	able? siness (not usi				Y Y Y N/A
<b>Mortality Records</b>							_	
1. Mortality records		•						Y
2. How are mortalities					Other (detail)			
If other detail:	See additiona							
3. Mortality records	•	correctly ente	ered?					Y
4. Recent mortality (	•			.21%), Wk31: 2	223 (0.15%), \	Nk30: 0 (ba	d weather so	
5. Evidence of recer		<i>,</i> ,						N
If yes, facility nos/no	mortality per	facility/no sto	ck per facility	/reason:				
6. Any other peaks i	n mortality dur	ing period ch	ecked?					N
If yes, detail:		. 11.0		, =::::				N1/0
7. Have increased (	inexplained) n	nortalities be	en reported to	vet or FHI?				N/A
If yes, detail action:	( . ) )		0.16	1-1-1	-Pr			K1/A
8. Have 'mortality ev	ents' been rep	orted to FHI	? If no, enter of	details on mort	ality events sh	neet.		N/A

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)?								
If other, detail:								
6. Are medicines stored appropriately?								
Biosecurity Records								
Biosecurity records available for inspection?								
2. Has the manner and frequency of mortality removal, recording and safe disposal been considered?								
3. Has the manner and period in which the APB will notify Scottish Ministers or veterinary professional of any								
increased (unexplained) mortality at the site been included?								
4. Has the action that will be taken in the event that the presence or suspicion of the presence of a listed disease								
is detected been included and <i>how</i> and <i>when</i> that will be notified to Scottish Ministers?								
5. Has the health status of aquaculture animals being stocked on the farm site been covered (equal or higher								
health status, certification if required)?								
6. Have the husbandry and biosecurity measures implemented between each epidemiological unit to minimise								
transmission of disease been covered (movement of staff, visitors, equipment, live or dead fish etc.)?								
7. Is documentation available regarding the measures in place to maintain the physical containment of								
aquaculture animals held on site?								
8. Have the biosecurity procedures been adequately implemented on site?								
If no, detail:								
Results of Surveillance								
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: 29/05/2018 - 18/08/2021								

FHI 059, Version 13		Issued by: FHI			Date of	of issue	: 12/05/2020
Case Number:	2021-0295		Site No:	FS0908		Insp:	
Date of Visit	24/08/2021		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	0	18	26	
GP 60.65	Number of sup	ncluding third country	0			14	0
NA	<u> </u>					10	
Movements off	Frequency of n Number of des		0		6 6	10	0
Exposure via water	Transor or doo	Site contacts	0				
Water contacts with other		ed (secure water supply through					
farms (holding species susceptible to same	disinfection or l	•	0				
diseases)	farms upstrean	or in a coastal zone with category I n or within 1 tidal excursion	1	2	4		2
		or in a coastal zone with category III  n or within 1 tidal excursion	1	3	6		
		or in a coastal zone with category V n or within 1 tidal excursion	1	4	8		
Management practices			None	Secure	Unsecure		
Water contacts with processors	Any processing	g plant discharging into adjacent waters	0	1	2		1
On farm processing within the rules of the directive	No on farm pro	cessing	0				
	Processing ow	n fish (re-cycling risk)	1				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				
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	Sites operating	from single shorebase	0	1	2		2
	Sites sharing s	taff and equipment	0	1	2		1
Disinfection of equipment between sites, use of	Yes		0				0
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			1			
Later decede to dayes	No		2				0
					Total		46
					<b>Total</b> Rank		LOW

FHI 059, Version 13	Issued by: FHI	Date of issue: 12/05/2020
Case No: 2021-0295	Site No:	FS0908
3. Does the site have access to a range of licer	uivalent) fallowed synchronously on a single yeanced in-feed and bath sea lice medications (incluell as access to suitable biological and/or mecha	uding deltamethrin,
4. Is there a signed documented farm manager Management Area (or equivalent)?	ment agreement or statement relevant to the site	e and CoGP Farm
5. Are sea lice count records available for inspect. 6. Do records adequately reflect the required st	ection? (Legal SSI, CoGP Annex 6) tandard specified in the SSI and the CoGP? (Leg	gal SSI, CoGP Annex 6)
7. Are sea lice ( <i>L. salmonis</i> ) record levels belo records are inspected? (CoGP Annex 6)	w the suggested criteria for treatment in the CoC	GP during the period that
3. Have average adult female sea lice ( <i>L. salme</i> 2 or above (from w/b 10/6/19) during the period	onis) numbers per fish been at a level of 3 or abd that records are inspected?	pove (prior to w/b 10/6/19) or N
f yes, have these been reported to the Fish He D. Is C. elongatus infestation at a level which is	ealth Inspectorate? If no, FHI see comment. s considered to cause significant welfare problem	ms? (CoGP 4.3.81, 5.3.50)
·	tered or other actions taken when <i>L. salmonis le</i> congatus is considered to have welfare implication	
13. Are treatments, where conducted, carried o	oplicable)? taken had a significant impact upon the lice level out in cooperation between participating farms? where fewer populations or part populations are h	Y
15. Is there a site specific written lice managem scenarios during the escalation of a sea lice inf	nent procedure with waypoints describing set acrestation?	tions to deal with recognised Y
16. Do the sea lice levels observed on stocks r	eflect sea lice count data? If no please detail rea	asons. Y
	e due to predators in the current or previous proc e predation experienced on site? (Detail below)	duction cycles?  N Y
Totrier, detail below.		
f Yes proceed with questions 4 – 9. If No skip t 4. Have these been reported to Scottish Ministe 5. Have these been reported to local DSFB fort		17)
7. Were methods (if any) used to recover escap	pees? If yes give detail	
Ministers? (Legal, CoGP – 4.4.38, 5.4.18)  D. What action was taken to prevent and minim be considered under satisfactory measure	eed with local wild fish interests and was permisnise the risk of further escapes? (Not covered in es of the Act)  gards to containment? If no, please detail reason	code but could

FHI 059, Version 13	Issued by: FHI	Date of issue: 12/05/2020
	Site No: FS0908	
Date of Visit: 24/08/2021	Inspector:	
Point of Compliance		
1. Is the farm under inspection located w		Y
If N, no further questions require comple	tion.	
-	Management Agreements and Statement	
2. ਜas a current farm management agre 3. Is the current FMAg/S available for ins	eement or statement (FMAg/S) been prepar	rea?
4. Does the FMAg/S identify the relevant	•	<u>·</u> Y
5. Does the FMAg/S identify the fish farn		Y
	commencement of the agreement or staten	ment?
7. Does the FMAg/S identify the date of	review?	Υ
Arrangements for Fish Health Manage		
8. Does the FMAg/S identify the minimur farm?	m health standards for the stocks to be intro	oduced to the area or Y
	tion requirements for stocks held in the are	a or farm?
•	es of fish which may be stocked into the are	
11. Does the FMAg/S identify the maxim individual farm?	num stocking density of any pen on any farn	n in the area or the
	pements for the storage and disposal of any	dead fish from any
fish farm in the area or the individual far	m?	
Arrangements for The Management o		
13. Does the FMAg/S identify arrangement	ents for the sharing of data on sea lice num	bers and treatments?
	cility and the use of medicines on farms cov	vered by the agreement
of statement?	ements for the sensitivity testing of available	e treatments for sea
lice on farms in the area or individual far		
	nstances under which biological controls and	d cleaner fish are to be
used on farms in the area or individual fa 17. Does the FMAg/S identify the arrang	arms : pements for synchronous treatments on farr	d cleaner fish are to be  Y  ms within the area?  Y
Live Fish Movements		
18. Does the FMAg/S identify the circum	nstances when live fish may be introduced o	or removed from the
area or farm?		d off citos in the cross
19. Does the FMAg/S identity the arrang or individual farms?	pements for the movement of live fish on an	d off sites in the area

FHI 059, Version 13	Issued by: FHI	Date of issue: 12/05/2020
Harvesting 20. Does the FMAg/S identify acceptable h	arvest practices on farms in the area or indi	vidual farms?
date when a farm or area may be restocked 22. Does the FMAg/S identify whether one agreement or statement?	which the area or individual farm will be fallod? or more year classes may be stocked onto so	sites covered by the
Point of Compliance for Farm Managem 24. Does the farm management agreemen parties to the agreement?	nent Agreements Only  It include arrangements for persons to becor	me, or cease to be,
Management and operation 25. Is the fish farm being managed and ope 26. What is the version no/date of issue of	erated in accordance with the agreement or the FMAg/S?  Jan-21	statement? Y

Г	HI 059, Version 13							iss	suea by: i	-HI			
	Case no:	2021-02	295	Site No:		FS0908			Date of v		24/0	08/2021	24/0
	Priority samples:	VI		ВА		PA		MG		g. HI			
	Time sampling starts/ends:		0:00	11:0			Inspecto	or:			VMD No	).	15
	Environmental conditions:	1	Dry	2	Cloudy	3		4		5			
	Summary samples	HIST		ВА		MG		VI		PA		Total Sa	amples
_	dd Fish/Pools - click												
	Pool/Fish No												
	Fish nos	1	2										
	Pool Group												
	Species	SAL	SAL										
	Average weight	3.7kg	3.7kg										
	Sex	N/A	N/A										
	Water Type	SW	SW										
Ctock Details		Φ Yetts O'Muckart FS0371	Yetts O'Muckart FS0371										
U	JI. 40	U	U										

D8/2021 Additional Sample Information: Humanely dispatched by percussive blow.													
0	l	Total To	ests ass	igned	0	1							

Site No: FS0908

Case No: 2021-0295

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

Results Summary Freq.  Date of Notification  Database Insp Phone Insp Writing Insp 2 <sup>nd</sup> Insp  2nd Insp  Ins	∍ No:	2021-0295			Date of visit:	24/08/2021	J						
Results Summary Freq.  Database Insp Phone Insp Writing Insp 2 <sup>nd</sup> Insp  Database Insp Phone Insp Insp Insp  Database Insp Insp  Database Insp Insp Insp  Database Insp Insp Insp  Database Insp Insp Insp  Database Insp Insp Insp  Database Insp Insp Insp  Database Insp Insp Insp  Database Insp Insp Insp Insp Insp Insp  Database Insp Insp Insp Insp Insp Insp Insp Insp		FS0908			Inspector:		1						
Database Insp Phone Insp Writing Insp 2 <sup>nd</sup> Insp  Insp Insp Insp Insp Insp Insp Insp	sults Summary	Freq.			Da	Date of Notification							
		·   ·	Database	Insp				Insp	2 <sup>nd</sup> Insp				
		+											
		+											
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		+											
		+											
		1											
Deposit Commons	n a ut Cuma us sur												
Report Summary		Data	l	and .									
Case Type Date Insp 2 <sup>nd</sup> Insp ECI, CNI, SLI, VMD 30/08/2021	Se Type		insp	2" Insp									
ECI, CNI, SLI, VMD 30/08/2021	I, CIVI, SLI, VIVID	30/06/2021											
	-												





#### SUMMARY FOR INFORMATION OF SITE OPERATOR

Business NoFB0095Date of Visit24/08/2021Site NoFS0908Site NameQuanternessCase No20210295Inspector

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

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

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

#### Records

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

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

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

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

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

Medicine records were inspected and found to be adequately maintained.

Samples were taken to be analysed for veterinary residues.

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

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

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

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

Signed:

Fish Health Inspector

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

Date: 30/08/2021

FHI 059, Version 13		Issued by: FHI	Date	e of issue: 12/05/2020		
Case No: 2021-0313			Date of visit	26/08/2021		
Time spent on site: 45	5 mins	Ma	ain Inspector:			
Site No: FS1046 Business No: FB0119	Site Name: Business Name:	Larval Rearing Unit Mowi Scotland Ltd				
Case Types: 1 MOV 2	ECI 3	4 5	6	ם		
Water Temp (°C): 13	Thermometer No:	T146	FHI 045 cor	npleted		
Observations:	Region: ST	Water type:	B CoGP M	IA: M-49		
Dead/weak/abnormally behaving Clinical signs of disease observed Gross pathology observed? Diagnostic samples taken?	•	N If yes, see additional information/clinical score sheet. N If yes, see additional information/clinical score sheet. N If yes, see additional information/clinical score sheet. N				
UNI/REG only - if unable to carry	out intended visit deta	ail reason below:				

Site visited 26/8/21 for export certificate signing and 13/7/21 for ECI.

Cert MS/2021/0010 for 1000000 ballan wrasse in 20 boxes for export to Norway.

Site was visited 13/7/21, case 20210247 - all paperwork for EC completed at this time but water temp was 14c. This case is for the site inspection only as water temp was below 14c. See case 20210247 for full detail of case paperwork.

All fish on site appeared healthy with no moribund animals being observed.

FHI 059, Version 13			Issu	ed by: FHI			Date of issu	e: 12/05/2020
Case No:	2021-0313		Site No:	FS1046				
Date of Visit:		26/08/2021	]		Inspector(s):			j
Registration/Author	orisation Deta	nils						
1. Business/site deta	ails summary	checked by s	ite representa	ative?			N	
2. Changes made to	details?						N	]
Site Details (includ	le cleaner fis	h for all sect	ions)					
Total No facilities		33	Facilities sto	cked	24	No facilitie	s inspected	24
Species	Ballan WRA	Ballan WRA						
Age group	Brood	larvae						
No Fish	2,000	1,000,000						
140 1 1011								
Mean Fish Wt	370g to 1.5kg	0.1g						
Next Fallow Date (S		no plan		Next Input Da	te (Site)	No plan		
Recent (last 4 wks)				•	Any escapes		visit)?	N
If yes, detail:	alcodec propi	011101			rary occupied	3 (011100 1400	violty.	- 1
ii yos, actaii.								
Movement Record	s							
1. Movement record		r inspection?						Y
2. Date of last inspe							23/08/2021	
3. Are records comp		ectly entered?	•				20/00/2021	Y
4. Are movement re		•		•				Y
5. Are records comp								Ÿ
6. Are health certific		•		ablo2				N/A
o. Are nealth certific	ales for infloc	idelions (odiw	illi GD) avalla	able:				14// (
Transport Records								
1. Are any movemen		t bv (or on bel	half) of the bu	usiness (not usi	ng a STB)?			N
If yes, is there a sys		• ,	*	,				
,,								
<b>Mortality Records</b>								
1. Mortality records	available for in	nspection?						Y
2. How are mortalitie		•			Other (detail	)		
If other detail:	Hazco -incin				(1111)	,		
3. Mortality records			ered?					Y
4. Recent mortality	•	,		last visit 23/8/2	1			
5. Evidence of recer	•	tvpical mortal						N
If yes, facility nos/no		•		/reason:				
, ,	71	,	'					
6. Any other peaks i	n mortality du	ring period ch	ecked?					N
If yes, detail:								
7. Have increased (	unexplained) i	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	details on mort	ality events s	heet.		N/A

Treatments and Medicines Records	
1. Recent treatments (see comment)?	N
If yes, detail:	
If other, detail:	
2. Medicines records available for inspection?	N/A
3. Are records complete and correctly entered?	
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	
Biosecurity records available for inspection?	N
2. Has the manner and frequency of mortality removal, recording and safe disposal been considered?	
3. Has the manner and period in which the APB will notify Scottish Ministers or veterinary professional of any	
increased (unexplained) mortality at the site been included?	
4. Has the action that will be taken in the event that the presence or suspicion of the presence of a listed disease	
is detected been included and how and when that will be notified to Scottish Ministers?	
5. Has the health status of aquaculture animals being stocked on the farm site been covered (equal or higher	
health status, certification if required)?	
6. Have the husbandry and biosecurity measures implemented between each epidemiological unit to minimise	
transmission of disease been covered (movement of staff, visitors, equipment, live or dead fish etc.)?	
7. Is documentation available regarding the measures in place to maintain the physical containment of	
aquaculture animals held on site?	
8. Have the biosecurity procedures been adequately implemented on site?	
If no, detail:	
Results of Surveillance	
1. Has any animal health surveillance been carried out by, or on behalf of, the business?	N
2. If yes, are results available for inspection?	N/A
3. Any significant results?	
If yes, detail (if not detailed under recent disease problems).	
Records checked between: 23/8/21-28/8/21	

-									
Case No:	2021-0313	J		Date of vi	sit: 26/08/20	021			
Site No:	FS1046	1		Inspect	or:				
		,		Порос	.01.				
Results Summary	Freq.	Date of Notification							
		Databas	e Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Ins	
	+								
Report Summary	1	ı		7					
Case Type	Date	Insp	2 <sup>nd</sup> Insp						
MOV	06/09/2021		Z IIISP						
MOV ECI	06/09/2021								
	+								





#### SUMMARY FOR INFORMATION OF SITE OPERATOR

Business No FB0119 Date of Visit 26/08/2021

SITE NO FS1046 SITE NAME Larval Rearing Unit CASE NO 20210313 INSPECTOR

## Inspection for export

The above site was visited and a consignment of ballan wrasse larvae for export to Norway was 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: 06/09/2021

Fish Health Inspector





#### SUMMARY FOR INFORMATION OF SITE OPERATOR.

Business No FB0119 Date of Visit 26/08/2021

SITE NO FS1046 SITE NAME Larval Rearing Unit
CASE NO 20210313 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

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

Mortality records were inspected and found to be adequately maintained. No 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 Scotland since the last Marine Scotland Inspection.

The site was inspected on 13<sup>th</sup> July 2021 and records including those relating to farm management agreements and the biosecurity measures plan were checked. However at the time of this inspection water temperature at the site was above that required for the visual assessment of fish stocks in accordance with Aquatic Animal Health (Scotland) Regulations 2009. During this visit on 26/8/21 the water temperature had reduced and a visual inspection of fish stocks was carried out. Please refer to the case of 13<sup>th</sup> July 2021 (case 20210247) for full details.

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

Signed:

Fish Health Inspector

Date: 06/09/2021

FHI 059, Version 13		Issued by: FHI	Date of issu	ue: 12/05/2020			
Case No: 2021-0315			Date of visit: 26/	08/2021			
Time spent on site:	) mins	Mair	n Inspector:				
Site No: FS1307 Business No: FB0119	Site Name: Business Name:	Wrasse Broodstock Mowi Scotland Ltd	Jnit				
Case Types: 1 ECI 2	2 3	4 5	6				
Water Temp (°C): 13	Thermometer No:	T146	FHI 045 completed	· 🗀			
Observations:	Region: ST	Water type:	CoGP MA: N	M-49			
Dead/weak/abnormally behaving Clinical signs of disease observed Gross pathology observed? Diagnostic samples taken?	·	N If yes, see additional information/clinical score sheet. N If yes, see additional information/clinical score sheet. N If yes, see additional information/clinical score sheet. N					
UNI/REG only - if unable to carry out intended visit detail reason below:							

Site visited 13/7/21 for EC inspection , case 20210248. All paperwork done then but water temp was 14c. This visit was to complete site inspection. Paperwork completed under case 20210248.

Site inspection; all stocks appeared health. No moribund fish observed.

FHI 059, Version 13	į.		lss	ued by: FHI			Date of issu	e: 12/05/2020
Case No:	2021-0315	]	Site No:	FS130	07			
Date of Visit:		26/08/20	21		Inspector(s):			
Registration/Author	orisation Det	ails						
1. Business/site det	ails summary	checked by	site represen	tative?			Υ	
2. Changes made to	o details?						Υ	]
Site Details (include	de cleaner fis	sh for all se	ctions)					
Total No facilities		12	Facilities st	tocked	8	No faciliti	es inspected	12
	Ballan	Ballan	Ballan				T	
Species	Wrasse	Wrasse	Wrasse					
Age group	2013	2019	2012					
No Fish	384	997	203					
Mean Fish Wt	650g	68g	700g					
Next Fallow Date (S	Site)	none		Next Input I	Date (Site)	none		
Recent (last 4 wks)	disease prob	lems?			N Any escapes	(since last	: visit)?	N
If yes, detail:								
Movement Record  1. Movement record  2. Date of last inspect  3. Are records completed. Are movement records completed. Are records completed. Are health certifications.	ds available for ection: olete and correcords availab olete and corr	ectly entere le for dead rectly entere	d? fish and waste d?				13/07/2021	Y Y Y Y N/A
Transport Records	5							
1. Are any moveme		ıt bv (or on l	pehalf) of the b	ousiness (not u	using a STB)?			N
If yes, is there a sys		• `	•	,	,			
Mortality Records								
1. Mortality records	available for i	inspection?						Y
2. How are mortalities disposed of? Other (detail)								
If other detail:	HAZCO - inc	cineration of	ff site					
3. Mortality records	complete and	d correctly e	ntered?					Y
4. Recent mortality (last 4 wks): none since last inspection								
								N
If yes, facility nos/no mortality per facility/no stock per facility/reason:								
6. Any other peaks in mortality during period checked?								
If yes, detail:								
7. Have increased (unexplained) mortalities been reported to vet or FHI?								
If yes, detail action:			110.16		. 10			
8. Have 'mortality events' been reported to FHI? If no, enter details on mortality events sheet.  N/A								

Treatments and Medicines Records							
1. Recent treatments (see comment)?		N/A					
If yes, detail:							
If other, detail:							
2. Medicines records available for inspection?							
3. Are records complete and correctly entered?							
4. Are fish in a withdrawal period?							
5. If yes, what treatment(s)?							
If other, detail:							
6. Are medicines stored appropriately?							
Biosecurity Records							
Biosecurity records available for inspection?		N					
2. Has the manner and frequency of mortality removal, recording a	·						
3. Has the manner and period in which the APB will notify Scottish	Ministers or veterinary professional of any						
increased (unexplained) mortality at the site been included?							
4. Has the action that will be taken in the event that the presence or suspicion of the presence of a listed disease							
is detected been included and <i>how</i> and <i>when</i> that will be notified to Scottish Ministers?							
5. Has the health status of aquaculture animals being stocked on the farm site been covered (equal or higher							
health status, certification if required)?							
6. Have the husbandry and hispacurity manaures implemented be	twoon cook onidemialogical unit to minimize						
6. Have the husbandry and biosecurity measures implemented be transmission of disease been covered (movement of staff, visitors							
7. Is documentation available regarding the measures in place to r							
aquaculture animals held on site?	namam the physical containment of						
8. Have the biosecurity procedures been adequately implemented	on site?						
If no, detail:	on one.						
Results of Surveillance							
1. Has any animal health surveillance been carried out by, or on be	ehalf of, the business?	N/A					
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: 13/7/	/21- 26/8/21						

Case No:	2021-0315			Date of visit:	26/08/2021					
Site No:	FS1307	Inspector:								
Results Summary	Freq.	Date of Notification								
results Summary	r req.	Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Insp		
							-			
							-			
Report Summary				]						
Case Type	Date	Insp	2 <sup>nd</sup> Insp							
ECI	06/09/2021									





#### SUMMARY FOR INFORMATION OF SITE OPERATOR

Business No FB0119 Date of Visit 26/08/2021

SITE NO FS1307 SITE NAME Wrasse Broodstock Unit

CASE NO 20210315 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

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

Mortality records were inspected and found to be adequately maintained. No mortality levels exceeding the reporting criteria have been recorded since the last inspection.

The site was inspected on 13th July 2021 and records including those relating to farm management agreements and the biosecurity measures plan were checked. However at the time of this inspection water temperature at the site was above that required for the visual assessment of fish stocks in accordance with Aquatic Animal Health (Scotland) Regulations 2009. During this visit on 26/8/21 the water temperature had reduced and a visual inspection of fish stocks was carried out. Please refer to the case of 13th July 2021 (case 20210248) for full details.

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

Signed:

Fish Health Inspector

Date: 06/09/2021