FHI 059, Version 13	Is	ssued by: FHI	Date of issue: 12/05/2020				
Case No: 2022-0557			Date of visit: 09/11/2022				
Time spent on site:	45mins	Main Inspect	or:				
Site No: SS0931 Business No: SB0556	Site Name: Business Name:	Oyster Holding Room The Roslin Institute					
Case Types: 1 REG	2 3	5	6				
Water Temp (°C):	Thermometer No:		FHI 045 completed				
Observations:	Region: LO	Water type: S	CoGP MA:				
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.  If yes, see additional information/clinical score sheet.							
UNI/REG only - if unable to carr	y out intended visit detail i	reason below:					
	Site	currently fallow.					

When the site is stocked, animals are kept in buckets and a water change is conducted weekly using natural seawater collected from St Abbs Marine Station. They have a small inlet just offshore and the water is pumped onshore and collected from the station. It is stored in a large water tank on site which is set up as a recirculation unit that is independent from the oyster buckets. It is filtered down to 1 micron and is passed through a UV filter before being used for water changes.

Waste water removed from the buckets is stored in a separate bin that is disinfected with sodium hypochlorite for 24hrs prior to disposal via mains sewage.

Where the storage tank is located within the room, there is a bunded container which the tank sits on which is capable of holding the volume of the tank should it leak.

The room is also divided into a dry and wet area. The dry side is for disposable PPE which is then discarded into the clinical waste bin within the room.

Mortalities are disposed of via the Universities approved route for clinical waste, which is incineration at another location on campus (but off site).

Site has received stock from Guernsey since the last inspection. Site manager produced a letter from the FHI confirming that a health certificate was not required due to the closed containment of the site and the high biosecurity measures that are in place.

FHI 059, Version 13	3		Issu	ed by: FHI			Date of issu	ie: 12/05/2020
Case No:	2022-0557		Site No:	SS0931				
Date of Visit:		09/11/2022	]		Inspector(s)	:		
Registration/Author	orisation Deta	ils						
1. Business/site det			ite representa	ative?			Y	7
2. Changes made t	•	·	·				N	
Site Details (includ	de cleaner fis	h for all sect	ions)					
Total No facilities		6	Facilities sto	cked	0	No faciliti	es inspected	6
Species	N/A							
Age group								
No Fish								
Mean Fish Wt								
Next Fallow Date (S	Site)	Currently fall	OW.	Next Input Da	ate (Site)	Unsure.		
Recent (last 4 wks)		ems?		N	Any escape	s (since last	t visit)?	N
If yes, detail:								
Movement Record	İs							
Movement record		inspection?						Y
2. Date of last inspe							31/03/2021	
3. Are records com		ectly entered?	•					Y
4. Are movement re	•	•		•				N/A
5. Are records com								N/A
6. Are health certific	•	•		able?				N/A
Transport Record	s							
1. Are any moveme		by (or on be	half) of the bu	usiness (not us	ing a STB)?			
If yes, is there a sys					-			
Mortality Records								
Mortality records		nspection?						Y
2. How are mortaliti		•			Other (detai	I)		
If other detail:			at another lo	cation on cam	`	,		
3. Mortality records								Y
4. Recent mortality	· ·	•		en fallow since	August 22.			•
5. Evidence of rece		typical mortal						N
If yes, facility nos/no	o mortality per	facility/no sto	ck per facility	/reason:				
6. Any other peaks	in mortality du	ring period ch	ecked?					I N
If yes, detail:		g p = 110 a 011						
7. Have increased (	•	mortalities be	en reported to	o vet or FHI?				N/A
If yes, detail action: 8. Have 'mortality e		ported to EUI	2 If no onter	dataile on mort	tality events o	hoot		N/A
o. Have inortality e	venus peemie		: if no, enter	u <del>c</del> talis on mon	ianty events s	nieet.		IN/A

Treatments and Medicines Records		
1. Recent treatments (see comment)?		
If yes, detail:		
If other, detail:		
2. Medicines records available for inspection?		
3. Are records complete and correctly entered?		
4. Are fish in a withdrawal period?		
5. If yes, what treatment(s)?		
If other, detail:		
6. Are medicines stored appropriately?		
<b>Biosecurity Records</b>		
1. Biosecurity records available for inspection?		Y
2. Has the manner and frequency of mortality removal, recording	g and safe disposal been considered?	Y
3. Has the manner and period in which the APB will notify Scotti	sh Ministers or veterinary professional of any	
increased (unexplained) mortality at the site been included?		Y
4. Has the action that will be taken in the event that the presence	e or suspicion of the presence of a listed disease	
is detected been included and how and when that will be notifie	d to Scottish Ministers?	Y
5. Has the health status of aquaculture animals being stocked o	n the farm site been covered (equal or higher	Y
health status, certification if required)?		
6. Have the husbandry and biosecurity measures implemented I	between each epidemiological unit to minimise	Y
transmission of disease been covered (movement of staff, visito	rs, equipment, live or dead fish etc.)?	
7. Is documentation available regarding the measures in place to	o maintain the physical containment of	Y
aquaculture animals held on site?		
8. Have the biosecurity procedures been adequately implemented	ed 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: 31	/03/2021 - 09/11/2022	

FHI 059, Version 13	Issued by: FHI			Date	of issue: 12
Case Number:	2022-0557 Site No:	SS093	1		
Date of Visit	09/11/2022 Inspector:				
Number of Susceptil	ble 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	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	10
	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	Ī			·	
Movements on	Frequency of movements off within MSS Management Areas	0	1	2	0
	Frequency of movements off <u>outwith</u> MSS Management Areas	0	3	6	0
	Number of destinations	0	3	6	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	1
sites	Sites sharing staff and equipment	0	1	5	1
			Yes	No	
	Disinfection of equipment between sites, use of footbath	ns etc	0	2	0
			Total Risk		51 HIGH

Case No:	2022-0557			Date of visit:	09/11/2022				
Site No:	SS0931	1		Inspector:					
Results Summary	Freq.	Database	Inch	Da Phone	te of Notifica Insp	tion Writing	Insp	and I	
		Dalabase	Insp	Phone	шър	vviiding	шѕр	2 <sup>nd</sup> Insp	
							-		
							=		
							=		
							-		
			-				-		
							=		
Report Summary									
Case Type	Date 15/11/2022	Insp	2 <sup>nd</sup> Insp						
REG	15/11/2022								





### SUMMARY FOR INFORMATION OF SITE OPERATOR

Business No SB0556 Date of Visit 09/11/2022

SITE NO SS0931 SITE NAME Oyster Holding Room

CASE NO 20220557 INSPECTOR

Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

The above site was inspected, in accordance with the Aquatic Animal Health (Scotland) Regulations 2009. On this occasion, the site was found to be fallow.

#### 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

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: 15/11/2022

FHI 059, Version 13		Issued by: FHI	Date of issue: 12/05/2020
Case No: 2022-0558			Date of visit: 09/11/2022
Time spent on site:	1hr	Main Ir	nspector:
Site No: SS0941 Business No: SB0556	Site Name: Business Name:	Disease Challenge Roo The Roslin Institute	m 02.050
Case Types: 1 REG	2 3	4 5	6
Water Temp (°C):	Thermometer No:		FHI 045 completed
Observations:	Region: LO	Water type: S	CoGP MA:
Dead/weak/abnormally behavin Clinical signs of disease observ Gross pathology observed? Diagnostic samples taken?	~ .	If yes, see addition	al information/clinical score sheet. al information/clinical score sheet. al information/clinical score sheet.
UNI/REG only - if unable to carr			
	Si	te currently fallow.	

Animals are only moved into this room when disease challenge work is ongoing, so this site doesn't hold stock as such.

The site records mortalities, however, due to the nature of the site and the fact the animals are intentionally challenged with different diseases, the mortalities (although high) are explained. Disease challenge work generally lasts 2 weeks and mortality attributed to infection with disease is expected to be ~60/70%.

Mortalities are disposed of via the Universities approved route for clinical waste and are incinerated at another location on campus (but off site).

Either live oysters or tissue samples are placed in wells with 200ml of seawater, sealed then placed in a plastic bag which is then disinfected with Virkon before moving into the disease challenege room. Once in the DC room, the well tray is placed within an extractor hood when the virus is either injected into the tissue or added to the water surrounding the live oyster. The welltray is then sealed in a plastic bag and placed into a lockable incubator for the duration of the experiment.

Once the disease challenge work has been completed, the oysters are removed from the incubator and placed in the hood for everything to be disinfected with Virkon before being sealed in another plastic bag which is also disinfected and tagged with a tracking marker before being stored in a lockable freezer until enough waste is generated. At which point, the waste is disposed of in clinical waste and marked for incineration which is completed at another location on campus, but off site.

The DC room is lockable while work is ongoing and there is an electronic register of personel using the room.

FHI 059, Version 13			Issu	ed by: FHI			Date of issue	e: 12/05/2020
Case No:	2022-0558		Site No:	SS0941				
Date of Visit:		09/11/2022	2]		Inspector(s):			
Registration/Autho								
1. Business/site deta	•	checked by s	ite representa	ative?			Y	
2. Changes made to	details?						N	ı
Site Details (includ	e cleaner fis	h for all sect	ions)					
Total No facilities		1			0	No facilitie	es inspected	1
Species	N/A							
Age group								
No Fish								
Mean Fish Wt								
Next Fallow Date (S	,	Currently fall	low.	Next Input Da	_ ` ′	Unsure.	:-:()0	N.
Recent (last 4 wks)	disease proble	ems?		IV	Any escapes	(since last	VISIT)?	N
If yes, detail:								
Movement Records	s							
1. Movement record	s available for	r inspection?						Y
2. Date of last inspec							31/03/2021	
3. Are records comp		•						Y
4. Are movement red								N/A
5. Are records comp		•						N/A
6. Are health certification	ates for introd	uctions (outw	vith GB) availa	able?				N/A
Transport Records								
1. Are any movemen	nts carried out	by (or on be	half) of the bu	ısiness (not usi	ing a STB)?			
If yes, is there a syst	tem in place f	or maintenan	ce of transpor	rtation records?	?			
<b>Mortality Records</b>								
1. Mortality records a	available for in	nspection?						Y
2. How are mortalitie		•			Other (detail)			
If other detail:	Mortalities a	e incinerated	at another lo	cation on camp	ous (but off site	e).		
3. Mortality records of								Y
4. Recent mortality (	last 4 wks):		Site has bee	en fallow since A	August 22.			
5. Evidence of recen	nt increased/a	typical mortal						N/A
If yes, facility nos/no	mortality per	facility/no sto	ock per facility	/reason:				
2 1 1 2 2 2 2 2 2	et e Utere ele	·	1 10					
6. Any other peaks in		ŭ i		: 00 700/				ΥΥ
If yes, detail:	Mortality duri pathogen.	ng experimer	ntal work is ar	round 60-70%,	but is explaine	ed due to in	itentional infec	tion with
7. Have increased (u		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 sh	ieet.		N/A

Treatments and Medicines Records	
1. Recent treatments (see comment)?	
If yes, detail:	
If other, detail:	
2. Medicines records available for inspection?	
3. Are records complete and correctly entered?	
4. Are fish in a withdrawal period?	
5. If yes, what treatment(s)?	
If other, detail:	
6. Are medicines stored appropriately?	
o. Ale medicines stored appropriately:	
Biosecurity Records	
Biosecurity records available for inspection?	
Has the manner and frequency of mortality removal, recording and safe disposal been considered?	
3. Has the manner and period in which the APB will notify Scottish Ministers or veterinary professional of any	
increased (unexplained) mortality at the site been included?	
4. Has the action that will be taken in the event that the presence or suspicion of the presence of a listed disease	
is detected been included and how and when that will be notified to Scottish Ministers?	
5. Has the health status of aquaculture animals being stocked on the farm site been covered (equal or higher	
health status, certification if required)?	
6. Have the husbandry and biosecurity measures implemented between each epidemiological unit to minimise	
transmission of disease been covered (movement of staff, visitors, equipment, live or dead fish etc.)?	
7. Is documentation available regarding the measures in place to maintain the physical containment of	
aquaculture animals held on site?	
8. Have the biosecurity procedures been adequately implemented on site?	
If no, detail:	
Results of Surveillance	
1. Has any animal health surveillance been carried out by, or on behalf of, the business?	
2. If yes, are results available for inspection?	
3. Any significant results?	
If yes, detail (if not detailed under recent disease problems).	
Records checked between: 31/03/2021 - 09/11/2022	

FHI 059, Version 13	Issued by: FHI			Date	of issue: 12
Case Number:	2022-0558 Site No:	SS094	1		
Date of Visit	09/11/2022 Inspector:			l	
Number of Susceptib	ole species on site				
	ies present = <u>LOW</u> risk				
If susceptible species	present, score for each pathogen		No	Yes	
	Susceptible to Bonamia ostrea (OED)		0	25	25
	Susceptible to Marteilia refringens (OED, MED)		0	3	3
	Susceptible to OsHV (CGI)		0	3	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	0
	Number of suppliers	0	5	10	0
Movements off					
iviovements on	Frequency of movements off within MSS Management Areas	0	1	2	0
	Frequency of movements off <u>outwith</u> MSS Management Areas	0	3	6	0
	Number of destinations	0	3	6	0
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	1
sites	Sites sharing staff and equipment	0	1	5	1
			Yes	No	
	Disinfection of equipment between sites, use of footbath	s etc	0	2	0
			Total		33
			Risk		HIGH

Case No:	2022-0558			Date of visit:	09/11/2022			
		1						
Site No:	SS0941	J		Inspector:				
Results Summary	Freq.	Date of Notification						
		Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Insp
			-					
			-					
			_				-	
			-					
			-					
			-					
Report Summary								
Case Type		Insp	2 <sup>nd</sup> Insp					
REG	15/11/2022							





### SUMMARY FOR INFORMATION OF SITE OPERATOR

Business No SB0556 Date of Visit 09/11/2022

SITE NO SS0941 SITE NAME Disease Challenge Room 02.050

CASE NO 20220558 INSPECTOR

Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

The above site was inspected, in accordance with the Aquatic Animal Health (Scotland) Regulations 2009. On this occasion, the site was found to be fallow.

#### 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: 15/11/2022

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>

FHI 059, Version 13		Issued by: FHI	Date of issue: 12/05/2020
Case No: 2022-0559			Date of visit: 09/11/2022
Time spent on site:	1hr	Main Inspecto	r:
Site No: SS0917 Business No: SB0544	Site Name: Business Name:	John Muir Building Heriot Watt University	
Case Types: 1 REG	2 3	4 5	6
Water Temp (°C):	Thermometer No:		FHI 045 completed
Observations:	Region: LO	Water type: S	CoGP MA:
Dead/weak/abnormally behaving Clinical signs of disease observed Gross pathology observed? Diagnostic samples taken?	-	If yes, see additional inform	mation/clinical score sheet. mation/clinical score sheet. mation/clinical score sheet.
UNI/REG only - if unable to carr			
	Sit	te currently fallow.	

Site is used as part of the restocking program in the Dornoch Firth. Oysters are collected from Loch Craignish (SS0935), Little Loch Broom (SS0877) and Loch Ryan (SS0456) and are transported to site where they are cleaned and depurated. 1% of the population is selected for qPCR screening for Bonamia, Martellia and OsHV prior to release of any animals into the Dornoch Firth.

FHI 059, Version 13	3		Issu	ied by: FHI			Date of issu	e: 12/05/2020
Case No:	2022-0559		Site No:	SS0917				
Date of Visit:		09/11/2022	]		Inspector(s	):		1
Registration/Author	orisation Deta	nils						
1. Business/site det			ite representa	ative?			Y	1
2. Changes made to	o details?						N	]
Site Details (includ	de cleaner fis	h for all sect	ions)					
Total No facilities		6	Facilities sto	ocked	0	No facilitie	es inspected	6
Species	N/A						1	
Age group	1471							
No Fish								
Mean Fish Wt								
Next Fallow Date (S	Site)	Currently fall	ow.	Next Input Da	ate (Site)	Wk46 22		
Recent (last 4 wks)						es (since last	visit)?	l N
If yes, detail:					, , ,	,	,	
Movement Record		r inapaction?						
<ol> <li>Movement record</li> <li>Date of last inspendent</li> </ol>		inspection?					19/02/2020	
3. Are records com		actly antarad?					19/02/2020	
4. Are movement re	•	•		)				
5. Are records com				•				
6. Are health certific	•	•		able?				N/A
51 7 H 5 115 GHU 1 5 5 TUN			02) avam	abio.				
Transport Records	S							_
1. Are any moveme	ents carried ou	by (or on be	half) of the bu	usiness (not us	ing a STB)?			
If yes, is there a sys	stem in place f	or maintenan	ce of transpo	rtation records	?			
Mortality Records								
Mortality records		nspection?						Y
2. How are mortaliti		•			Other (deta	nil)		
If other detail:	PHS used as	waste dispo	sal company	. Incinerator ba	sed in Glaso	iow.		
3. Mortality records						-		Y
4. Recent mortality	•	,		en fallow since	13/10/22.			
5. Evidence of rece		typical mortal						l N
If yes, facility nos/no		* *		//reason:				
C. Americath an incodes	in an autolita ala							N
6. Any other peaks If yes, detail:	in mortality du	ring period cr	тескеа?					N
7. Have increased (	(unexplained)	nortalities be	en reported to	o vet or FHI?				N/A
If yes, detail action:			·					
8. Have 'mortality e	vents' been re	ported to FHI	? If no, enter	details on mor	tality events	sheet.		N/A

Treatments and Medicines Records		
1. Recent treatments (see comment)?		
If yes, detail:		
If other, detail:		
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 di	·	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 suspicio	•	
is detected been included and how and when that will be notified to Scottish		
5. Has the health status of aquaculture animals being stocked on the farm si	ite been covered (equal or higher	Y
health status, certification if required)?		
6. Have the husbandry and biosecurity measures implemented between each	, ,	Y
transmission of disease been covered (movement of staff, visitors, equipment		
7. Is documentation available regarding the measures in place to maintain the	ne 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, th	le 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: 19/02/2020 - 09	9/11/2022	

FHI 059, Version 13	Issued by: FHI			Date	of issue: 12
Case Number:	2022-0559 Site No:	SS091	7		
Date of Visit	09/11/2022 Inspector:		i		
Number of Susceptil	ble 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	0
Movements off					
Movements on	Frequency of movements off within MSS Management Areas	0	1	2	0
	Frequency of movements off <u>outwith</u> MSS Management Areas	0	3	6	3
	Number of destinations	0	3	6	6
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	1
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		38
			Risk		HIGH

Case No:	2022-0559	J		Date of vi	sit: 09/11/20	)22		
Site No:	SS0917	7		Inspect	or:			
		4						
Results Summary	Freq.		Į.		Date of Noti		1.	
		Database	e Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Inst
					_			
	+							
	_							
	+							
	_							
Report Summary		T						
Case Type	Date	Insp	2 <sup>nd</sup> Insp					
REG	15/11/2022							
	_							
	+							
	+							
	1							
<del></del>								





### SUMMARY FOR INFORMATION OF SITE OPERATOR

Business No SB0544 Date of Visit 09/11/2022

SITE NO SS0917 SITE NAME John Muir Building

CASE NO 20220559 INSPECTOR

Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

The above site was inspected, in accordance with the Aquatic Animal Health (Scotland) Regulations 2009. On this occasion, the site was found to be fallow.

#### 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: 15/11/2022

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>

FHI 059, Version 13	Is	ssued by: FHI	Date of issue: 12/05/2020
Case No: 2022-0564			Date of visit: 17/11/2022
Time spent on site: 5h	1	Main Ins	pector:
Site No: FS0375 Business No: FB0224	Site Name: Business Name:	Loch Damph Torridon Smolts Ltd	
Case Types: 1 ECI 2	2 CNI 3 VMD	4 5	6
Water Temp (°C): 8.5	Thermometer No:	T173	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?	·	Y If yes, see additional	I information/clinical score sheet. I information/clinical score sheet. I information/clinical score sheet.
UNI/REG only - if unable to carry	out intended visit detail	reason below:	

w/b 14/11/2022 2170 (1.4%) fungus, w/b 7/11/2022 1634 (1.0%) fungus, w/b 4/7/2022 9879 (1.1%) post transfer

Fish vaccinated 27/10/2022, touch of fungus in the stock post vaccine. Formalin treatments being administered.

Some fungus evident during inspection.

FHI 059, Version 13			Issu	ed by: FHI			Date of issu	e: 12/05/2020
Case No:	2022-0564		Site No:	FS0375				
Date of Visit:		17/11/2022			Inspector(s):			
Registration/Author	orisation Deta	ails						
1. Business/site det			te representa	ative?			Υ	1
2. Changes made to	•	,	· ·				Υ	
Site Details (include	le cleaner fis	h for all secti	ons)					
Total No facilities	de oleaner ne	20	Facilities sto	cked	6	No facilities	inspected	20
Species	SAL		r dominos sto	l		Tto Taomileo	mopootou	
Age group	2022							
No Fish	176,677							
Mean Fish Wt	82g							
Next Fallow Date (S		Feb to May 2	2023	Next Input Da	ite (Site)	May/June 2	2023	
Recent (last 4 wks)					Any escapes			N
If yes, detail:	Touch of fur				, σοσαροσ	(000 1001 1	, .	
<ol> <li>Date of last inspects</li> <li>Are records complete.</li> <li>Are movement respects.</li> <li>Are records complete.</li> <li>Are health certification.</li> <li>Are any movements.</li> <li>Are any movements.</li> <li>Are a system.</li> </ol>	plete and correctords available end corrected and corrected for introduced and corrected out the corre	le for dead fis ectly entered? ductions (outw	ith GB) availa	able? siness (not usi	-		27/07/2021	N/A N/A N/A N/A
<b>Mortality Records</b>								
1. Mortality records	available for i	nspection?						У
2. How are mortaliti	es disposed d	f?			Incinerated -	on site		
If other detail:								
3. Mortality records	complete and	correctly ente	red?					Y
4. Recent mortality	(last 4 wks):		4485 (2.7%)	across the site	e in the last for	ur weeks due	e to fungus	
5. Evidence of rece	nt increased/a	typical mortal	ties?					Y
If yes, facility nos/no	o mortality per	facility/no sto	ck per facility	/reason:				
as above								
6. Any other peaks		<u> </u>	ecked?					Y
If yes, detail:		al comments						
7. Have increased (	unexplained)	mortalities bee	en reported to	vet or FHI?				N/A
If yes, detail action:								
8. Have 'mortality events' been reported to FHI? If no, enter details on mortality events sheet. N/A								N/A

Treatments and Medicines Records	
1. Recent treatments (see comment)?	У
TMS Aquacen	
If yes, detail: (formalin)	
If other, detail:	
2. Medicines records available for inspection?	Y
3. Are records complete and correctly entered?	Y
4. Are fish in a withdrawal period?	Y
5. If yes, what treatment(s)?  Aquacen TMS	
If other, detail:	
6. Are medicines stored appropriately?	Υ
Biosecurity Records	
Biosecurity records available for inspection?	V
2. Has the manner and frequency of mortality removal, recording and safe disposal been considered?	V
3. Has the manner and period in which the APB will notify Scottish Ministers or veterinary professional of any	,
increased (unexplained) mortality at the site been included?	Y
4. Has the action that will be taken in the event that the presence or suspicion of the presence of a listed disease	
is detected been included and <i>how</i> and <i>when</i> that will be notified to Scottish Ministers?	Y
5. Has the health status of aquaculture animals being stocked on the farm site been covered (equal or higher	Y
health status, certification if required)?	•
Thouast status, sortinoation in roquitou).	
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?	V
If no, detail:	<u>'</u>
ii iio, detaii.	
Desults of Cumusillanes	
Results of Surveillance	N
1. Has any animal health surveillance been carried out by, or on behalf of, the business?	IN
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: 27/7/2021 to 17/11/2022	

11 059, Version 13							ISS	uea by. Fi	71			
Case no:	2022-05	564	Site No:		FS0375					17/	11/2022	17/ <i>°</i>
Priority samples:	VI		ВА		PA		MG	Sampling	ні			
Time sampling starts/ends:	11:0	00:00	11:3	0:00		Inspecto	or:			VMD No	o.	7
Environmental conditions:	1	Indoors	2		3		4	-	5			
Summary samples	HIST		ВА		MG		VI		PA		Total Sa	mples
dd Fish/Pools - click												
Pool/Fish No												
Fish nos	1-20	21-35										
Pool Group												
Species	SAL	SAL										
Average weight	60g	60g										
Sex	N/A											
Water Type	FW	FW										
	ıtail	ıtail										
Stock Origin	Xir	, X										
Facility No	4	17										
	Case no: Priority samples: Time sampling starts/ends: Environmental conditions: Summary samples  In the sampling starts/ends: Environmental conditions: Summary samples  In the sampling starts/ends: Environmental conditions:  Summary samples  In the sampling starts/ends:  Environmental conditions:  Summary samples  In the sampling starts/ends:  In the sampling starts/ends:  Environmental conditions:  Summary samples  Summary samples  Add Fish/Pools - click  Pool/Fish No Fish nos Pool Group Species Average weight Sex Water Type	Case no:  Priority samples:  VI  Time sampling starts/ends: Environmental conditions: 1  Summary samples HIST  dd Fish/Pools - click  Pool/Fish No Fish nos 1-20 Pool Group Species SAL Average weight 60g Sex N/A Water Type FW	Case no:  Priority samples:  VI  Time sampling 11:00:00 starts/ends: Environmental conditions:  Summary samples  HIST  dd Fish/Pools - click  Pool/Fish No Fish nos Fish nos Fool Group Species SAL Average weight Sex N/A Water Type  Stock Origin  Stock Origin  VI  11:00:00  11:	Case no:  Priority samples:  VI BA  Time sampling 11:00:00 11:3 starts/ends: Environmental conditions: 1 Indoors 2  Summary samples HIST BA  dd Fish/Pools - click  Pool/Fish No Fish nos 1-20 21-35 Pool Group Species SAL SAL Average weight 60g 60g Sex N/A N/A Water Type FW  Stock Origin  Site No:  District Site No:  BA  Site No: BA  Indoors 2  Site No: BA  Indoors 2  Indoors 2  Indoors 4  Indoors 5  Indoors 5  Indoors 5  Indoors 6  Indoors 6  Indoors 6  Indoors 7  Indoors 7  Indoors 1  Indoors 2  Indoors 1  Indoo	Case no:  Priority samples:  VI BA  Time sampling 11:00:00 11:30:00 starts/ends: Environmental conditions: 1 Indoors 2  Summary samples HIST BA  Add Fish/Pools - click  Pool/Fish No Fish nos 1-20 21-35 Pool Group Species SAL SAL SAL Average weight 60g 60g Sex N/A N/A Water Type FW FW  Stock Origin Starts No:  VI BA  BA  Indoors 2  Indoors 2  Indoors 2  Indoors 3  Indoors 4  Indoors 5  Indoors 5  Indoors 6  Indoors 7  Indoors 7  Indoors 8  Indoors 8  Indoors 8  Indoors 9  Indoors	Case no:         2022-0564         Site No:         FS0375           Priority samples:         VI         BA         PA           Time sampling starts/ends:         11:00:00         11:30:00         starts/ends:           Environmental conditions:         1 Indoors         2         3           Summary samples         HIST         BA         MG           Indoors         2         3         MG           Indoors         2         3         MG           Indoors         2         3         MG           Indoors         3         MG         MG           Indoors         3         MG         MG           Indoors         4         MG         MG           Indoors         4         MG         MG           Indoors         4         MG         MG           Indoors         5         4         MG         MG           Indoors         4         4         A         A           Indoors         5         4         A         A           Indoors         5         4         A         A           Indoors         5         4         A         A         <	Case no:         2022-0564         Site No:         FS0375           Priority samples:         VI         BA         PA           Time sampling starts/ends:         11:00:00         11:30:00         Inspector           Environmental conditions:         1 Indoors         2         3           Summary samples         HIST         BA         MG           Inspector         MG         MG           Summary samples         HIST         BA         MG           Inspector         MG         MG    Summary samples  HIST  BA  MG  MG  MG  MG  MG  MG  MG  MG  MG  M	Case no:         2022-0564         Site No:         FS0375           Priority samples:         VI         BA         PA         MG           Time sampling starts/ends:         11:00:00         11:30:00         Inspector:           Environmental conditions:         1 Indoors         2         3         4           Summary samples         HIST         BA         MG         VI           Ind Fish/Pools - click         Ind Fish/Pools - click         Ind Fish/Pools - click         Ind Fish/Pools - click           Ind Fish/Pools - click         Ind Fish/Pools - click         Ind Fish/Pools - click         Ind Fish/Pools - click         Ind Fish/Pools - click           Ind Fish/Pools - click         Ind Fish/Pools - click         Ind Fish/Pools - click         Ind Fish/Pools - click         Ind Fish/Pools - click           Ind Fish/Pools - click         Ind Fish/Pools - click         Ind Fish/Pools - click         Ind Fish/Pools - click         Ind Fish/Pools - click         Ind Fish/Pools - click         Ind Fish/Pools - click         Ind Fish/Pools - click         Ind Fish/Pools - click         Ind Fish/P	Case no:   2022-0564   Site No:   FS0375   Date of visampling   Date o	Case no:   2022-0564   Site No:   FS0375   Date of visit/ Sampling:   Priority samples:   VI	Case no:   2022-0564   Site No:   FS0375   Date of visit/   Sampling:   Priority samples:   VI	Case no:   2022-0564   Site No:   FS0375   Date of visit/   Sampling:   Tr/11/2022   Sampling:   Sam

11/2022 Additional Sample Information:	
0 Total Tests assigned 0	

FHI 059, Version 13		Issued by: FHI			Date of	of issue	: 12/05/2020
Case Number:	2022-0564		Site No:	FS0375		Insp:	
Date of Visit	17/11/2022		No of m	ovements/s	supp./dest.		Score
Live fish movements			0	1-5	6-10	>10	
Movements on (from out	Frequency of m	novements on from equivalent MS	0	5	10	14	0
with GB) of susceptible species		novements on from equivalent zone or	0	9	18	26	0
1	Number of supp	ocluding third country	0			14	0
Movements off	Frequency of m		1 0	3		10	10
Wovernerits on	Number of dest		0			10	6
Exposure via water		Site contacts	5 0	1-5	6-10		
Water contacts with other farms (holding species	Farm is protect disinfection or b	ed (secure water supply through porehole)	0				
susceptible to same diseases)		or in a coastal zone with category I n or within 1 tidal excursion	1	2	4		2
		or in a coastal zone with category III 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	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				
Disposal of fish and fish by-	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	npasteurised feed	0	i I			0
	Feeding unpas	teurised feed	5				
Biosecurity	<del>!</del>	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		
Disinfection of equipment	Yes			1			0
between sites, use of footbaths etc	No		1				
CoGP/Regulator							
Practices in accordance	Yes		0				0
with regulator or industry code of practice	No		3				
Platform access to cages	Yes		0				0
	No		2	]			
					<b>Total</b> Rank		18 MEDIUM

Case No:	2022-0564		Site No:	FS0375	
Sea Lice Inspection (	Seawater Sites Only)				
1. Has the site experie	nced sea lice problems in the prev	rious 4 years?			
2. Is the CoGP Farm M	lanagement Area (or equivalent)	fallowed synchronously or	n a single ye	ear class basis?	
azamethiphos and ema	access to a range of licenced in-fer amectin benzoate) as well as according a reasonable period of time?				ures, and
4. Is there a signed do Management Area (or	cumented farm management agre equivalent)?	ement or statement releva	ant to the sit	te and CoGP Farm	
5. Are sea lice count re	ecords available for inspection? (L	egal SSI, CoGP Annex 6)			
6. Do records adequate	ely reflect the required standard sp	pecified in the SSI and the	e CoGP? (Le	egal SSI, CoGP Anne	ex 6)
7. Are sea lice ( <i>L. salm</i> records are inspected?	nonis) record levels below the sug (CoGP Annex 6)	gested criteria for treatme	ent in the Co	GP during the period	that
	female sea lice ( <i>L. salmonis</i> ) num 0/6/19) during the period that reco		vel of 3 or a	above (prior to w/b 10	/6/19) or
If yes, have these been	reported to the Fish Health Inspe	ectorate? If no, FHI see co	omment.		
9. Is C. elongatus infe	station at a level which is consider	ed to cause significant we	elfare proble	ems? (CoGP 4.3.81, 5	5.3.50)
	reatments been administered or ot reatment or where <i>C. elongatus</i> is				
11. Has any other action	on been taken (where applicable)?				
·	eatments or the actions taken had	· · · · · · · · · · · · · · · · · · ·			
	ere conducted, carried out in coop		_		
sea lice?	ng strategy for the site, where fewer	er populations or part popu	ulations are	neid without treatme	nt for
	ific written lice management processcalation of a sea lice infestation?	edure with waypoints desc	cribing set a	ctions to deal with red	cognised
16. Do the sea lice leve	els observed on stocks reflect sea	lice count data? If no plea	ase detail re	easons.	
0					
Containment Inspecti	i <b>on</b> nced equipment damage due to p	redators in the current or a	previous pro	aduction cycles?	N
•	ce to mitigate against the predation	·	-	•	Y
•	ensioned nets			/	
If other, detail below:					
				=	
·	ints or events been experienced o estions 4 – 9. If No skip to questio		ite since the	e last FHI inspection?	N
	corted to Scottish Ministers?	11 10			
•	ported to local DSFB forthwith (wh	ere they exist)? (CoGP –	443754	17)	
	ported to the SSPO and local fisher				.4.17)
7. Were methods (if an	y) used to recover escapees? If y	es give detail			
O. K. W.					
8. If gill nets were deplements with Ministers? (Legal, CoG	oyed was this action agreed with learning P - 4.4.38, 5.4.18)	ocal wild fish interests and	d was permi	ission given by Scotti	sn
	en to prevent and minimise the ris		ot covered in	code but could	
	r satisfactory measures of the				
10. Is the site inspecte	d as satisfactory with regards to co	ontainment? If no, please	detail reasc	on(s)	Υ

Issued by: FHI

FHI 059, Version 13

Date of issue: 12/05/2020

Site No: FS0375

Case No: 2022-0564

Nature of non-compliance:

Action taken (FHI):

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

Case No:	2022-0564			Date of visit:	17/11/2022			
Site No:	FS0375	]		Inspector:				
Results Summary	Freq.			Da	te of Notifica	tion		
results cultillary	1 104.	Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Insp
	+							
	+							
	+							
			-					
	+							
	+							
	+							
	+							
	+							
Report Summary			<u> </u>	1				
Case Type	Date	Insp	2 <sup>nd</sup> Insp					
ECI,CNI,VMD	05/12/2022							
	+							
	+							





#### SUMMARY FOR INFORMATION OF SITE OPERATOR

Business No FB0224 Date of Visit 17/11/2022
Site No FS0375 Site Name Loch Damph
Case No 20220564 Inspector

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

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

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

## Records

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

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

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

Mortality records were inspected and found to be adequately maintained.

No 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 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.



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: 2022-0567			Date of visit: 09/11/2022
Time spent on site:	.5 Hours	Main Inspe	ector:
Site No: FS0264 Business No: FB0132	Site Name: Business Name:	Inverpolly Finfish Ltd	
Case Types: 1 MIX	2 3	4 5	6
Water Temp (°C):	Thermometer No:		FHI 045 completed
Observations:	Region: HI	Water type: F	CoGP MA
Dead/weak/abnormally behaving Clinical signs of disease observe Gross pathology observed? Diagnostic samples taken?		If yes, see additional in	nformation/clinical score sheet. nformation/clinical score sheet. nformation/clinical score sheet.
UNI/REG only - if unable to carry	out intended visit deta	il reason below:	

VMD feed mixing inspection conducted, no issues raised.

FHI 059, Version 13			Issu	ed by: FHI			Date of issue	: 12/05/2020
Case No:	2022-0567		Site No:	FS0264				
Date of Visit:		09/11/2022	]		Inspector(s):			
Registration/Autho 1. Business/site deta	ails summary		ite representa	ative?			Υ	
2. Changes made to details?								
Site Details (include cleaner fish for all sections)								
Total No facilities								
Species	SAL							
Age group	2023							
No Fish Mean Fish Wt	417,000							
	80g	Nov / Dog 20	122	Next Input Da	to (Sito)	January 20	122	
Next Fallow Date (Si	*	Nov / Dec 20	022	Next Input Da	_ ` '	January 20		
If yes, detail:	Recent (last 4 wks) disease problems?  Any escapes (since last visit)?							
ii yes, uetaii.								
Movement Records	•							
Movement records available for inspection?								
2. Date of last inspection: 31/05/2021								
3. Are records complete and correctly entered?								Y
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.								

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

Treatments and Medicines Records		
1. Recent treatments (see comment)?		N
If yes, detail:		
If other, detail:		
2. Medicines records available for inspection?		Y
3. Are records complete and correctly entered?		Y
4. Are fish in a withdrawal period?		N
5. If yes, what treatment(s)?		
If other, detail:		
6. Are medicines stored appropriately?		Y
11 1		
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 Scottis	sh 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	· · · · · · · · · · · · · · · · · · ·	
5. Has the health status of aquaculture animals being stocked or	n the farm site been covered (equal or higher	
health status, certification if required)?		
6. Have the husbandry and biosecurity measures implemented b	etween each epidemiological unit to minimise	
transmission of disease been covered (movement of staff, visitor	rs, 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 implemente	d on site?	
If no, detail:		
Results of Surveillance		
1. Has any animal health surveillance been carried out by, or on	behalf of, the business?	
If yes, are results available for inspection?		
3. Any significant results?		
If yes, detail (if not detailed under recent disease problems).		
Records checked between: 31/	05/2021 - 09/11/2022	

Ones No.	2022 0567			D-4 6 - 1-14-	00/44/2022						
Case No:	2022-0567	J		Date of Visit:	09/11/2022	ı					
Site No:	FS0264	1		Inspector:		l					
Results Summary	Freq.			Da	Date of Notification						
		Database	Insp	Phone	Insp		Insp	2 <sup>nd</sup> Insp			
Report Summary											
Case Type	Date	Insp	2 <sup>nd</sup> Insp								
MIX	15/11/2022										

FHI 059, Version 13	ls	ssued by: FHI	Date of issue: 12/05/2020
Case No: 2022-0572			Date of visit: 22/11/2022
Time spent on site:	hours	Main Inspecto	or:
Site No: FS1260 Business No: FB0398	Site Name: Business Name:	Sound of Harris Loch Duart Ltd	
Case Types: 1 REP 2	2 DIA 3	4 5	6
Water Temp (°C): 12.2	Thermometer No:	T173	FHI 045 completed
Observations:	Region: WI	Water type: S	CoGP MA: None
Dead/weak/abnormally behaving Clinical signs of disease observed Gross pathology observed? Diagnostic samples taken?	· · · · · · · · · · · · · · · · · · ·	Y If yes, see additional infor	rmation/clinical score sheet. rmation/clinical score sheet. rmation/clinical score sheet.
UNI/REG only - if unable to carry	out intended visit detail	reason below:	

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

### **Additional Case Information:**

Stock origin: Landcatch/Hendrix Genetics Input of stock onto site: Wk12 2022

# Treatment history:

First SLICE treatment was conducted in June (14-21/06/2022). Increase in gill health issues on site appearing in September promoted first H2O2 treatment from 02-07/10/2022 and 19-20/10/2022. FW treatments have been conducted between these with a duration of 3 hours. Planned H2O2 treatment in Wk47.

Health Issues: AGD inentified on site in September following potential environmental damage which was emphasised by histology reports. Mild PRV diagnosed, as well as Branchiamonas cysticola, PGD and Tenacibaculum maritum. October health visits conducted routine health screening. Following continued issues, continued high levels of PGD and AGD were reported on 27/11/2022 by health reports with last internal visit being on 15/11/2022.

2022: June, 6; August, 605 (due to freshwater treatment); September, 54; October, 95; Novemeber, 15. Wrasse on site sourced locally or from Isle of Skye (all wild caught). Wrasse movement records were also inspected.

Site visit: first set of 10 pens inspected. Pens 7 and 8 are the pens with the highest mortality in this first set. ~20 moribund and letharic fish were seen around the sides of the pens worst affected, many of which were exhibiting gasping behaviour. On the second set of 10 pens, pen 13, 17 and 18 were the most affected pens. During the inspection two pens were seen recieving Paramove 50 treatments. Current plan on site is to conduct Paramove 50 treatments on all the pens in the next week fews, should weather allow. AGD is the noted as the primary cause of mortality on site. Company biologist and cleanerfish coordinator on site supervising treatments. Wrasse are only creeled out during FW treatments, but hides allow for wrasse to seek shelter during H2O2 treatments. Wrasse were seen in all of the pens and appeared to be healthy. All fish sampled were moribund and lethargic.

FHI 059, Version 13			Issu	ed by: FHI			Date of issue	e: 12/05/2020
Case No:	2022-0572		Site No:	FS1260				
Date of Visit:		22/11/2022	]		Inspector(s):			
Registration/Author	risation Deta	iils						
1. Business/site deta	ails summary	checked by s	ite representa	tive?			Υ	
2. Changes made to	details?	·					N	
Site Details (includ	le cleaner fiel	h for all secti	ions)					
Total No facilities		20	Facilities sto	cked	20	No facilitie	s inspected	20
Species	SAL	WRS	r domines stor	I		140 Taomic	этторестей	
Age group	S1 2022	wild caught						
No Fish	367,700	10,493						
Mean Fish Wt	1kg	mix						
Next Fallow Date (S		Autumn 2023	<u> </u>	Next Input Da	te (Site)	04/2024		
Recent (last 4 wks)				•	Any escapes		vicit\2	N
If yes, detail:			onmontal incu	It primary caus		(Silice last	visit):	11
ii yes, detaii.	AGD issues	on site, enviro	Jililelilai ilisu	it primary caus	se.			
<b>Movement Record</b>	S							
1. Movement record	ls available for	r inspection?						Y
2. Date of last inspe							06/10/2021	
3. Are records comp		ectly entered?	•					Y
4. Are movement re		-						Y
5. Are records comp								Y
6. Are health certific		•		ıble?				N/A
		(	,					
<b>Transport Records</b>	•							
1. Are any movemen	nts carried out	by (or on bel	half) of the bu	siness (not usi	ing a STB)?			
If yes, is there a sys	tem in place f	or maintenan	ce of transpor	tation records?	?			
Mortality Records								
1. Mortality records	available for ir	enaction?						Y
2. How are mortalities		•			Other (detail)			
If other detail:		at whiteshore	a acaklas		Other (detail)			
3. Mortality records								Y
5. Wortainly records	complete and	correctly erite		/ 16010: \\\\\\	F 4.000/ 200	17. \\/\/.//	2 220/ 0000-1/	11.42
4. Recent mortality (	(last 1 wks).			%, 16810; Wk4	5, 4.99%, 206	47, VVK44, A	2.33%,9880,0	VK43,
5. Evidence of recer		typical mortal	3.64,15991					V
		* *		/roccon:				
If yes, facility nos/no		•			0/ 0507: 14/1-0	0.0000/ 4	0000: 14/1-07	4 000/ 0444
Wk42,1.80%,8054;		17938; WK40	J,Z.62%, 1Z5C	JU; VVK39,1.77	%, 8587; VVK3	8, 2.02%, 1	0026; VVK37,	1.22%,6111;
Wk36, 1.69%, 8616 6. Any other peaks i		ring period ch	acked2					N
If yes, detail:	Thortality du	ing pendu ch	ieckeu!					IN
•	upovolcinod)	mortalities ha	on reported to	vot or EUI2				N/A
7. Have increased (	unexplained) i	nortailles de	en reported to	vecoi Fni?				IN/A
If yes, detail action:  8 Have 'mortality ev	ronto! hoon re	ported to FLII	2 If no onto	dotaile on mert	colity overte ab	oot		V
O DAVE HIGHAMIV AV	CHIS DEED TO	JULIEU 10 F.A.	, IL LIO ELIIEL (	JEIGHS ON MON	and everies or	1561		

FHI 059, Version 13	Issued by: FHI	Date of issue: 12/05/2020
Treatments and Medicines Ro	cords	
Recent treatments (see com		<u> </u>
1. Necent treatments (see com		
If yes, detail:	H2O2, T.M.S.	
If other, detail:		
2. Medicines records available	or inspection?	Y
3. Are records complete and co	rrectly entered?	Y
4. Are fish in a withdrawal perio	d?	Y
5. If yes, what treatment(s)?	T.M.S.	
If other, detail:		
6. Are medicines stored approp	riately?	Y
Biosecurity Records		
1. Biosecurity records available	for inspection?	

2. Has the manner and frequency of mortality removal, recording and safe disposal been considered? 3. Has the manner and period in which the APB will notify Scottish Ministers or veterinary professional of any increased (unexplained) mortality at the site been included? 4. Has the action that will be taken in the event that the presence or suspicion of the presence of a listed disease is detected been included and how and when that will be notified to Scottish Ministers? 5. Has the health status of aquaculture animals being stocked on the farm site been covered (equal or higher health status, certification if required)? 6. Have the husbandry and biosecurity measures implemented between each epidemiological unit to minimise transmission of disease been covered (movement of staff, visitors, equipment, live or dead fish etc.)? 7. Is documentation available regarding the measures in place to maintain the physical containment of aquaculture animals held on site? 8. Have the biosecurity procedures been adequately implemented on site? If no, detail: **Results of Surveillance** 1. Has any animal health surveillance been carried out by, or on behalf of, the business? 2. If yes, are results available for inspection? 3. Any significant results? September diagnosed AGD, PGD, and low level If yes, detail (if not detailed under recent disease problems). PRV on site by Pharmaq. October internal sampling found and observed severe levels of AGD and PGD as well as positive for Brachiomonas sp.

Records checked between: 06/10/2022-22/11/2022

٠.	ii 059, version 15			-				100	ueu by.				
	Case no:	2022-0	572	Site No		FS1260			Date of		22/1	11/2022	22/
	Priority samples:	VI		ВА		РА		MG	Samplin	ng: HI			
	Time sampling starts/ends:		80:00		5:00		Inspecto				VMD No	o.	0
	Environmental conditions:	1	Sunny	2	Windy	3	Cloudy	4	Dry	5			
	Summary samples	HIST	Y	ВА	Y	MG	Y	VI		PA		Total Sa	amples
				-				•					
A	dd Fish/Pools - click												
	Pool/Fish No	F1	F2	F3	F4	F5							
	Fish nos	1	2	3	4	5							
	Pool Group												
	Species	SAL	SAL	SAL	SAL	SAL							
	Average weight	1kg	1kg	1kg	1kg	1kg							
	Sex	N/A	N/A	N/A	N/A	N/A							
	Water Type	SW	SW	SW	SW	SW							
		+		(2)	(2)	(2)							
		Smolt Unit	in	)37	(FS0375)	)37							
		<del> </del>	#	FS(	FS(	FS(							
		) Li	Ĕ	၂) ၁		၂) ၁							
ails		$\overline{}$	5 (2	rea	rea Tea	rea							
Details		sar )57	sar )57	hol	h	hbı							
X	Ctook Origin	Ormsary (FS0575)	Ormsary Smolt Unit (FS0575)	Clachbreac (FS0375)	Clachbreac	Clachbreac (FS0375)							
Stock	Stock Origin Facility No	0 <u>L</u>		)	8	8 8							
S	I dollity 140	1	1	0	0	0							

# 11/2022 Additional Sample Information: Fish 1-2 sampled from 09:30 to 10:00. Fish 3-5 sampled from 10:00 to 10:45. All fish dispatched minutes before sampling started. Total Tests assigned 3

FHI 059, Version 13 Issued by: FHI Date of issue: 12/05/2020 Method of killing: Percussive Case no: 2022-0572 Site No: FS1260 Inspector(s): Sheet Relevant: Y Date of visit: 22/11/2022 S for strong presence: M for medium presence: W for weak presence Fish Number Time sampled after death (if > 45 minutes) External Signs Behaviour Moribund S S S Lethargic Hanging vertical Spiralling Flashing Loss of equilibrium W W W Body Dark Distended abdomen Anorexic Scale Oedema Opercula Shortened Flared Haemorrhaging **Throat** Ventrum Base of fins Elsewhere Exophthalmic Eyes Enophthalmic (sunken) Cataract Haemorrhagic Gills Zoned Necrotic Lesions Flank Elsewhere Vent Inflamed Trailing faeces Estimate numbers 0 0 0 0 0 Lice Load Internal Signs **Ascites** Clear **Bloody** Oedema In tissues Heart Pale/anaemic Granulomas W Deformed Liver Petechial haem Gross haem Tissue breakdown Enlarged Colour number(s) Granulomas Lesions Petechial haem Pyloric caeca Tubules mauve Lack of fat Spleen **Enlarged** Granulomas Gut No food present Yellow pseudo-faeces External haem Internal haem Body wall Haemorrhaging Haemorrhaging Swim bladder Fluid filled Kidney Swollen Grey Granular Liquefied Parasites present General

Anaemia

Case no: 2022-0572

Date of visit: 22/11/2022

Date of visit:	22/11/2022					
S for strong presen	nce: <b>M</b> for medium presence: <b>W</b> for v					
Fish Number	ide. III for mediam presence. II for v					
	er death (if > 45 minutes)					
External Signs	or death (ii > 40 minutes)					
Behaviour	Moribund					
	Lethargic					
	Hanging vertical					
	Spiralling					
	Flashing					
	Loss of equilibrium					
Body	Dark					
	Distended abdomen					
	Anorexic					
Omereule	Scale Oedema Shortened					
Opercula	Flared					
Haemorrhaging	Throat					
acmorriaging	Ventrum					
	Base of fins					
	Elsewhere					
Eyes	Exophthalmic					
	Enophthalmic (sunken)					
	Cataract					
	Haemorrhagic					
Gills	Pale					
	Zoned					
	Necrotic					
Lesions	Flank					
Vent	Elsewhere Inflamed					
veni	Trailing faeces					
Lice Load	Estimate numbers					
Eloc Eoud	Estimate nambers					
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					
Dody wall	Internal haem					
Body wall Swim bladder	Haemorrhaging					
Swiiii Diadder	Haemorrhaging Fluid filled					
Kidney	Swollen					
Mulicy	Grey					
	Granular					
	Liquefied					
General	Parasites present					
	Anaemia					

HI 059, Version 13	Issued by: FHI	Date of issue: 12/05/20
additional comments:		
		<b>I</b>
		l
		<b>I</b>
		<b>I</b>

Site No: FS1260

Case No: 2022-0572

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

Case No: 2022-0572 Date of visit: 22/11/2022 Site No: FS1260 Inspector: Results Summary Freq. Date of Notification 2<sup>nd</sup> Insp Database Insp Phone Insp Writing Insp MG\_AGDQ 5/5 30/11/2022 01/12/2022 15/12/2022 MG\_IHNQ 0/5 30/11/2022 01/12/2022 15/12/2022 1/5 MG IPN 30/11/2022 01/12/2022 15/12/2022 30/11/2022 MG\_ISA 0/5 01/12/2022 15/12/2022 15/12/2022 MG\_PARA\_THER-Q 5/5 30/11/2022 01/12/2022 0/5 15/12/2022 a12 30/11/2022 01/12/2022 MG\_SAL\_POX 5/5 30/11/2022 01/12/2022 15/12/2022 MG\_SAV 30/11/2022 01/12/2022 15/12/2022 0/5 0/5 MG\_VHS 30/11/2022 01/12/2022 15/12/2022 4/5 ADHE 08/12/2022 15/12/2022 15/12/2022 AMGD 5/5 08/12/2022 15/12/2022 15/12/2022 **CGDH** 5/5 08/12/2022 15/12/2022 15/12/2022 **GPAT** 5/5 08/12/2022 15/12/2022 15/12/2022 08/12/2022 LPAT 4/5 15/12/2022 15/12/2022 **HPAT** 3/5 08/12/2022 15/12/2022 15/12/2022 **AERO** 5/5 08/12/2022 15/12/2022 15/12/2022 **VSPE** 5/5 08/12/2022 15/12/2022 15/12/2022 Report Summary Case Type Date Insp 2<sup>nd</sup> Insp DIAG, REP 15/12/2022





# FISH HEALTH INSPECTORATE VISIT REPORT

# SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS NOFB0398DATE OF VISIT22/11/2022SITE NOFS1260SITE NAMESound of HarrisCASE NO20220572INSPECTOR

**Section 1: Summary** 

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

Histopathology examination revealed mild to moderate, multifocal hyperplasic branchitis associated to gill health issues and vascular disturbance. Epitheliocystis (likely *Ca.* Branchiomonas cisticola) and amoebic gill disease (AGD) were also observed. F3 also displayed lesions that could be related with the presence of gill poxvirus. Gill lesions could also be associated with environmental factors/water insults. Hepatic necrosis, mild peritonitis (likely associated with vaccine administration) and mild multifocal myocarditis also observed.

All fish tested positive for *Neoparamoeba perurans* (amoebic gill disease), *Paranucleospora theridion* and salmon gill poxvirus by qPCR. One fish tested positive for infectious pancreatic necrosis (IPNV) by qPCR.

An Aeromonas sp. and a Vibrio sp. were identified on plates taken from gill material of all fish. The level and purity of growth would suggest they are likely to be of environmental origin and not present as primary fish pathogens.

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**

# <u>Observations</u>

Following 8 weeks of notification of increased mortality above the reporting threshold, a site inspection was conducted. Approximately 20 moribund and lethargic fish were observed around the sides of pens with pens 7 and 8 being worst affected, many of which were exhibiting gasping behaviour. Minimal lice numbers were observed on site. Gill appearance/condition was varied in fish removed for inspection and subsequently sampling. The majority of the gills were observed to have very minimal white lesions but their overall shape and condition was normal. Only one fish was observed with slightly paler and ununiform shape. In addition, on the day of the inspection, two pens were observed receiving Paramove 50 treatments.

All sampled fish were lethargic and moribund. Only one fish had zoned gills. Internally, yellow pseudofaeces was present in the hind gut of all fish sampled.

R09

# **Samples**

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

Fish number	Facility number	Species	Stage	Origin
1-2	7	Atlantic salmon	1kg 2022 S1	Ormsary Smolt Unit (FS0575)
3-5	8	Atlantic salmon	1kg 2022 S1	Clachbreac (FS0375)

# Results

**Bacteriology:** Kidney and gill F1 to F5 inoculated onto appropriate media for the isolation of bacteria.

The following bacteria was isolated from gill material in F1-F5:

- Aeromonas sp.
- Vibrio sp.

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

Infectious pancreatic necrosis virus (IPNV)

Fish Number	Endogenous control Cp value	Cp Values	Reported Result (PCR)		
F1	-	-	-	-	NEGATIVE
F2	-	-	-	-	NEGATIVE
F3	-	-	-	-	NEGATIVE
F4	-	-	-	-	NEGATIVE
F5	20.46	35.81	36.33	37.75	POSITIVE

Salmon gill pox virus

Cannon gin p	alition gill pox virus								
Fish Number	Endogenous control Cp value	Cp Values	Reported Result (PCR)						
F1	19.66	30.13	30.22	30.06	POSITIVE				
F2	18.84	25.05	24.85	25.14	POSITIVE				
F3	19.08	21.36	21.41	21.62	POSITIVE				
F4	18.45	25.11	25.15	24.79	POSITIVE				
F5	19.39	29.83	30.09	29.92	POSITIVE				

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

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

Neoparamoeba perurans (AGD)

Fish Number	Endogenous control Cp value	Cp Values			Reported Result (PCR)
F1	19.66	26.40	26.41	26.58	POSITIVE
F2	18.84	24.28	24.17	24.42	POSITIVE
F3	19.08	23.63	23.81	23.88	POSITIVE
F4	18.45	25.99	26.19	25.93	POSITIVE
F5	19.39	26.40	26.48	26.54	POSITIVE

Paranucleospora theridion

Fish Number	Endogenous control Cp	Cp Values			Reported Result (PCR)
	value		T	T	` ,
F1	19.66	26.93	26.98	26.94	POSITIVE
F2	18.84	24.75	24.80	24.97	POSITIVE
F3	19.08	26.17	26.20	26.24	POSITIVE
F4	18.45	23.69	23.50	23.68	POSITIVE
F5	19.39	25.60	25.68	25.69	POSITIVE

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

Histopathological examination revealed the following:

Gill: Lamellar hyperplasia and fusion, mild to moderate, multifocal, lamellar necrosis, mild, multifocal (F4 & F5) and vascular disturbance (F2 & F5). Presence of several amoeboid cells resembling *Neoparamoeba perurans* (F1-F5) and few basophilic epithelial inclusions (likely epitheliocystis) (F2, F3, F4, F5). Features of nuclear karryiorhexis in the lamellar epithelial cells and cell apoptosis were also observed F3.

Skin & Muscle: Within normal range.

Heart: Minimal to mild, multifocal myocarditis (F1,F3). Mild epicarditis (F1, F5).

Gut and pyloric caeca: Peritonitis, mild (potentially associated with vaccine administration) (F1, F2, F3, F4).

Pancreas: within normal range.

Liver: hepatocellular necrosis, mild, multifocal (F2, F3, F4, F5) and haemorrhage (F2, F5) and hepatocellular vacuolation (macrovisicules), mild, diffuse (F2).

R09

Kidney: Interstitial cell (haempoietic) necrosis very mild, multifocal (f5), several renal tubules displaying hyaline droplet observed in all fish.

Spleen: Some cuffing (F3, F4, F5).



Signed:

Fish Health Inspector

Date: 08/12/2022

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 Diagnostic Sampling Photos: Sound of Harris (FS1260)



Figure 1 Overview of a) fish 1 and b) fish 2 sampled (pen 7).

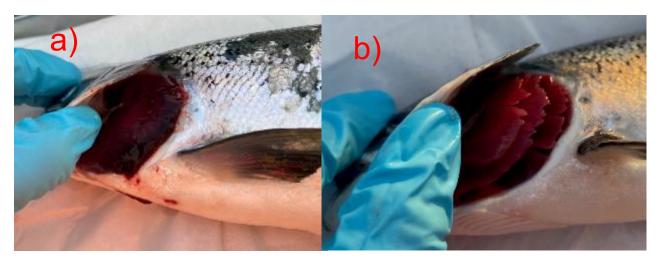


Figure 2 Gills of a) fish 1 and b) fish 2.



Figure 3 Internal view of fish 1.



Figure 4 Internal view of fish 2.



Figure 5 Overview of c) fish 3, d) fish 4 and e) fish 5 (pen 8).



Figure 6 Gills of c) fish 3 and d) fish 4.



Figure 7 Gills of fish 5



Figure 8 Internal view of fish 3



Figure 9 Internal view of fish 4.



Figure 10 Internal view of fish 5.

FHI 059, Version 13	1	ssued by: FHI	Date of issue: 12/05/2020
Case No: 2022-0573			Date of visit: 23/11/2022
Time spent on site:	hrs	Main Inspec	ctor:
Site No: FS0508	Site Name:	Kinnaird Mill Trout	
Business No: FB0456	Business Name:	Dawnfresh Farming Ltd	
Case Types: 1 ECI	2 CNI 3 VMD	4 5	6
Water Temp (°C): 6.5	Thermometer No:	T304	FHI 045 completed
Observations:	Region: TA	Water type: F	CoGP MA
Dead/weak/abnormally behaving	fish present?	Y If yes, see additional inf	ormation/clinical score sheet.
Clinical signs of disease observe	d?		formation/clinical score sheet.
Gross pathology observed?		N If yes, see additional inf	formation/clinical score sheet.
Diagnostic samples taken?		N	
UNI/REG only - if unable to carry	out intended visit detail	reason below:	

# Additional Case Information:

Accompanied and observed by conducting internal FHI Audit. Site water supply for ponds and tanks has been in spate and water was silty with fish returning to feeding after spate. Fish in hatchery in good condition and supplied by borehole water which is at a constant 9oC. The odd fish in the tanks was lethargic and one had a lesion on the flank. These fish are recovering from RTFS and have been treated with Florfenicol. Vaccinating fish against ERM and Furunculosis by injection while on site. Fish were recovering from anaesthetic quickly after handling. Some moribund or sideswimming fish observed in the Nov 2021 batch of fish. Two fish from pond 3 were removed for examination and were found to have stones in the gut. This was due to having been on starve during the summer of 2022 when water temperatures were above 21oC. One moribund fish from pond 4 was removed and examined but no signs of disease were observed. The site has triple screens, bird nets and an electric fence in place to ensure containment and a disc filter to prevent issues with eye fluke. Predation from birds and otters is experienced and vermin can sometimes be observed at the site although a pest control contract is in place. Ensiled waste is disposed of at a biodigester at Turriff. There have been Florfenicol, Halamid, Cress, Formalin and TMS treatments over the year. Although procedures detail that staff have to consider the health of incoming stocks the minimum health standard was not detailed in the VHWP and was raised with site staff. 3 fish removed and sampled for residue testing. These fish were in good condition and showed no internal signs of disease.

FHI 059, Version 13			lss	sued by: FHI			Date of issu	ie: 12/05/2020
Case No:	2022-0573	]	Site No:	FS050	)8			
Date of Visit:		23/11/202	2		Inspector(s	):		
Registration/Autho								
1. Business/site deta	ails summary	checked by	site represer	ntative?			Y	
2. Changes made to	details?						Y	]
Site Details (includ	e cleaner fis					_		
		9 Ponds, 8						
		Tanks, 1			A.II			A.11
Total No facilities		Hatchery	Facilities s		All		es inspected	All
Species	RTR	RTR	RTR	RTR	RTR	RTR		
Age group	Sep-21	Nov-21	Jan-22	Mar-22	Sep-22	Oct-22		
No Fish	35,048	220,988	87,783	236,910	145,809	270,285		
Mean Fish Wt	262g	161g	107g	43g	0.8g	0.17g		
Next Fallow Date (S	•	Fallow by u	nit only	Next Input I		January 2		
Recent (last 4 wks)	disease probl	ems?			Y Any escape	s (since last	visit)?	N
If yes, detail:	RTFS in Ma	rch 2022 sto	ck with 0.859	% mortality in tl	ne last four we	eks.		
Movement Records  1. Movement record		r inspection?	>					Y
2. Date of last inspec							22/10/2021	•
3. Are records comp		ectly entered	12				22/10/2021	Y
4. Are movement re		•		e?				Y
5. Are records comp				<b>.</b>				Y
6. Are health certification		•		ilable?				Y
o. Ale realth octano		addions (odi	with OB) ave	iliable.				
Transport Records								
1. Are any movemen		t by (or on be	ehalf) of the	business (not i	using a STB)?			N
If yes, is there a syst				•	_			
ii yes, is there a syst	iem in piace i	or maintena	noc or trainsp	ortalion record				
Mortality Records								
Mortality records a	available for i	nspection?						Y
2. How are mortalities		•			Ensiled - or	site		
If other detail:					Eriolica or	· one		
3. Mortality records	complete and	correctly en	tered?					Y
o. Mortality records (	oompiete und	correctly err		Mar 2022 stock	1.4% in Nov	2021 stock	6% in Sent 2	022 stock
4. Recent mortality (	last 4 wks).		0.03 /0 111	Wai 2022 310Ci	t, 1.470 III 140V	2021 Stock,	0 /0 III Ocpt 20	322 3100K
5. Evidence of recen	•	typical morta	alities?					Y
If yes, facility nos/no		• •		itv/reason:				
RTFS in March 2022		-			Iorfenicol			
6. Any other peaks in				i, ireated with	IOHEHICOI			Y
o. Any other peaks in				e 4.5K (3.3%) r	norte Ian 202	2 stock suffe	red 5K morte	PTES and
If yes, detail:	5K Whitespo		•	= 4.5K (3.5%) I	norts, Jan 202	Z SIOCK SUITE	aeu ar morts	Till 3 and
7. Have increased (u				to yet or FHI2				Y
If yes, detail action:	aricapianied)			Florfenicol tre	atment forma	lin treatment		'
8 Have 'mortality ev	ents' heen re							N/A

Treatments and Madiaines Base	de	
Treatments and Medicines Reco	_	V
1. Recent treatments (see comme	,	1
	Florfenicol	
If other, detail:	·	V
2. Medicines records available for	·	Y
3. Are records complete and corre	ctly entered?	Y
4. Are fish in a withdrawal period?		Y
5. If yes, what treatment(s)?	Florfenicol	
Only in		
March 2022		
If other, detail: stock		V
6. Are medicines stored appropria	tely?	Y
Diagramita Dagada		
Biosecurity Records	· · · · · · · · · · · · · · · · · · ·	\ <u></u>
Biosecurity records available for	·	Y
	of mortality removal, recording and safe disposal been considered?	Y
	which the APB will notify Scottish Ministers or veterinary professional of any	V
increased (unexplained) mortality		Y
	in the event that the presence or suspicion of the presence of a listed disease	
	v and when that will be notified to Scottish Ministers?	Y
	lture animals being stocked on the farm site been covered (equal or higher	N
health status, certification if require	ed)?	
6. Have the husbandry and biosec	urity measures implemented between each epidemiological unit to minimise	Y
-	ered (movement of staff, visitors, equipment, live or dead fish etc.)?	
	rding the measures in place to maintain the physical containment of	Y
aquaculture animals held on site?	irding the measures in place to maintain the physical containment of	
•	s been adequately implemented on site?	N
	oming stocks to be considered by staff but no detail of the minimum standard acc	
If no, detail:	offiling stocks to be considered by stan but no detail of the millimum standard acc	epiable
Results of Surveillance		
	nce been carried out by, or on behalf of, the business?	Y
2. If yes, are results available for in		Y
3. Any significant results?		Y
If yes, detail (if not detailed under i	recent disease problems).  RTFS, Whitespot and stones in gut	
jos, detaii (ii fist detailed dildei i	Title, Williamore and Stolles in gut	
Records check	red between: 22/10/21 - 23/11/2022	

	ni 059, version 15							155	ueu by. r	111			
	Case no:	2022-05	73	Site No:		FS0508			Date of v		23/	11/2022	23/
	Priority samples:	VI		ВА		PA		MG	Sampling	y. HI			
	Time sampling starts/ends:	13:0	0:00	14:0	0:00		Inspecto	or:			VMD No	р.	3
	Environmental conditions:	1		2		3		4		5			
	Summary samples	HIST		ВА		MG		VI		PA		Total Sa	mples
A	dd Fish/Pools - click												
	Pool/Fish No												
П	Fish nos	1 - 3											
	Pool Group												
	Species	RTR											
	Average weight	262g											
	Sex												
	Water Type	FW											
Stock Details	Stock Origin	Troutlodge											
Ú.	Facility No	Pond 5											

										,				
1/2022 Additional Sample Information:														
RIM No	221990	08, 2219	910, 22	19912										
0 Total Tests assigned 0														
	Additior RIM No	RIM No 221990	Additional Sample Infor RIM No 2219908, 2219	Additional Sample Information: RIM No 2219908, 2219910, 22	Additional Sample Information: RIM No 2219908, 2219910, 2219912	Additional Sample Information: RIM No 2219908, 2219910, 2219912	Additional Sample Information: RIM No 2219908, 2219910, 2219912	Additional Sample Information: RIM No 2219908, 2219910, 2219912	Additional Sample Information: RIM No 2219908, 2219910, 2219912	Additional Sample Information: RIM No 2219908, 2219910, 2219912	Additional Sample Information: RIM No 2219908, 2219910, 2219912	Additional Sample Information: RIM No 2219908, 2219910, 2219912	Additional Sample Information: RIM No 2219908, 2219910, 2219912	Additional Sample Information: RIM No 2219908, 2219910, 2219912

FHI 059, Version 13		Issue	d by: FHI			Date o	of issue	: 12/05/2020
Case Number:	2022-0573			Site No:	FS0508		Insp:	
Date of Visit	23/11/2022			No of me	ovements/s	supp./dest.		Score
Live fish movements				0	1-5	6-10	>10	
Movements on (from out	Frequency of m	ovements on from equ	ivalent MS	0	5	10	14	
with GB) of susceptible species		novements on from equi	ivalent zone or	0	9	18	26	g
	Number of supp	cluding third country		0	5	10	14	5
Movements off	Frequency of m			0	3	6	10	10
Movements on	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 b	,		0				
susceptible to same diseases)	farms upstream	or in a coastal zone wit or within 1 tidal excurs	ion	1	2	4		1
	farms upstream	or in a coastal zone wit or within 1 tidal excurs	ion	1	3	6		
		or in a coastal zone wit or within 1 tidal excurs		1	4	8		
Management practices				None	Secure	Unsecure		
Water contacts with processors	Any processing	plant discharging into	adjacent waters	0	1	2		0
On farm processing within the rules of the directive	No on farm pro	cessing		0				0
	Processing owr	n fish (re-cycling risk)		1				
	Processing fish	from MS of equivalent	status	2				
	Processing fish equivalent statu	from zone or compartn	nent of	4				
	Processing fish	from Category III farm		8				
	Processing fish	from Category ∨ farm		10				
Disposal of fish and fish by-	Site's own wast	e only processed.		0				0
products	Common proce	sses with other farms		3				
	Collection point	for waste from other fa	irms	5				
Use of unpasteurised feeds	No feeding of u	npasteurised feed		0				0
·	Feeding unpast	•		5				
Biosecurity		N	umber of sites	1	2 or 3	≥ 4		
Contacts with other sites	Sites operating	from single shorebase		0	1	2		0
	Sites sharing st	aff and equipment		0	1	2		1
Disinfection of equipment	Yes			0	1			0
between sites, use of footbaths etc	No			1				
CoGP/Regulator								
Practices in accordance with regulator or industry	Yes			0				0
code of practice	No			3				
Platform access to cages	Yes			0				
	No			2				
						Total Rank		29 HIGH

Case No:	2022-0573		Site No:	FS0508	
<ol> <li>Is the CoGP Farm M</li> <li>Does the site have a azamethiphos and ema</li> </ol>	Seawater Sites Only) need sea lice problems in the lanagement Area (or equivaluccess to a range of licence amectin benzoate) as well a in a reasonable period of ti	alent) fallowed synchro d in-feed and bath sea as access to suitable b	lice medications (in	cluding deltamethrin,	s, and
4. Is there a signed doo Management Area (or e	cumented farm managemer equivalent)?	nt agreement or statem	ent relevant to the s	site and CoGP Farm	
	cords available for inspecti ely reflect the required stand	. •		egal SSI, CoGP Annex 6	5)
7. Are sea lice (L. salm records are inspected?	onis) record levels below to (CoGP Annex 6)	he suggested criteria fo	or treatment in the C	oGP during the period tha	at
	female sea lice ( <i>L. salmonis</i> 0/6/19) during the period tha			above (prior to w/b 10/6/1	19) or
If yes, have these been	reported to the Fish Health	n Inspectorate? If no, F	HI see comment.		
9. Is C. elongatus infes	station at a level which is co	onsidered to cause sign	nificant welfare prob	lems? (CoGP 4.3.81, 5.3.	50)
suggested criteria for tr	eatments been administere reatment or where <i>C. elong</i> on been taken (where applic	atus is considered to h			
•	eatments or the actions tak		pact upon the lice le	evels recorded?	
•	ere conducted, carried out i	•			
14. Is there a harvesting sea lice?	g strategy for the site, wher	re fewer populations or	part populations are	e held without treatment fo	or
	ific written lice managemen scalation of a sea lice infest		oints describing set	actions to deal with recog	nised
16. Do the sea lice leve	els observed on stocks refle	ect sea lice count data?	If no please detail	reasons.	
2. Are measures in place	on nced equipment damage du ce to mitigate against the pr	•		•	N Y
Bird nets,		Vermin control F	encing		
If other, detail below:					
If Yes proceed with que 4. Have these been rep 5. Have these been rep	estions 4 – 9. If No skip to questions to scottish Ministers's ported to Scottish Ministers's ported to local DSFB forthwood to the SSPO and local DSFB.	uestion 10 ? ith (where they exist)?	(CoGP – 4.4.37, 5.	4.17)	N
7. Were methods (if an	y) used to recover escapee	es? If yes give detail			
	oyed was this action agreed	d with local wild fish inte	erests and was pern	nission given by Scottish	
Ministers? (Legal, CoG 9. What action was take	P – 4.4.38, 5.4.18) en to prevent and minimise	the risk of further esca	apes? (Not covered	in code but could	
	r satisfactory measures of				
	d as satisfactory with regard		o, please detail reas	son(s)	Υ

Issued by: FHI

FHI 059, Version 13

Date of issue: 12/05/2020

Site No: FS0508

Case No: 2022-0573

Nature of non-compliance:

Action taken (FHI):

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

		_				_		
Case No:	2022-0573			Date of visit:	23/11/2022			
Site No:	ECOEOO			la ana ataw				
Site No.	FS0508			Inspector:				
Results Summary	Freq.			Da	te of Notifica	tion		
,	·	Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Insp
Report Summary				1				
Case Type	Date	Insp	2 <sup>nd</sup> Insp					
ECI, CNI, VMD	05/12/2022		2 11100					





# FISH HEALTH INSPECTORATE VISIT REPORT

# SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS NO FB0456 DATE OF VISIT 23/11/2022

SITE NO FS0508 SITE NAME Kinnaird Mill Trout

Case No 20220573 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 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 inadequately maintained.

The following point was raised with the site representative during the inspection:

 AHWP did not detail the minimum health status for source of stock as part of Biosecurity Measures Plan. Documentation demonstrating that this point had been addressed was sent to the Fish Health Inspectorate (contact details below) on 25/11/2022. This issue is now closed.

# 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.

Date: 05/12/2022

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>

FHI 059, Version 13		Issued by: FHI	Date of issue: 12	/05/2020
Case No: 2022-0574			Date of visit: 23/11/20	22
Time spent on site:	0mins	Mai	n Inspector:	
Site No: SS0598 Business No: SB0394	Site Name: Business Name:	Lewis Mussels Lewis Mussels		=
Case Types: 1 ECI	2 3	4 5	6	
Water Temp (°C): 9.6	Thermometer No:	T173	FHI 045 completed	
Observations:	Region: WI	Water type:	S CoGP MA:	
Dead/weak/abnormally behaving	fish present?	N If yes, see addit	tional information/clinical score shee	t.
Clinical signs of disease observe	d?		tional information/clinical score shee	
Gross pathology observed?		N If yes, see addit	tional information/clinical score shee	t.
Diagnostic samples taken?		N		
UNI/REG only - if unable to carry	out intended visit deta	il reason below:		

# **Additional Case Information:**

Site not inspected since 2015. Site does not have movement book as it has been lost prior to inspection. Site manager confirmed that mussels are not transferred between sites from relaying.

BMP available and adequate with minor edits required.

Minimal fouling seen on the lines inspected. No issues with eider ducks reported.

FHI 059, Version 13			Issu	ed by: FHI			Date of issu	e: 12/05/2020
Case No:	2022-0574		Site No:	SS0598				
Date of Visit:		23/11/2022	2		Inspector(s):			i
Registration/Autho								
1. Business/site deta	•	checked by s	site representa	ative?			Υ	
2. Changes made to	details?						Y	]
Site Details (includ								
Total No facilities		5	Facilities sto	cked	5	No facilitie	s inspected	5
Species	MED	MED						
Age group	2020	2021						
	3 double	2 double						
No Fish	lines	lines						
Mean Fish Wt	40mm	35mm						
Next Fallow Date (S	,	never fallow		Next Input Da	_ '	summer 20		
Recent (last 4 wks)	disease probl	ems?		N	Any escapes	(since last v	visit)?	N
If yes, detail:								
Movement Records								
		r increation?						N
<ol> <li>Movement record</li> <li>Date of last inspec</li> </ol>		Inspection:					28/07/2015	, ,
3. Are records comp		actly entered	2				20/01/2013	N
4. Are movement records								N/A
5. Are records comp								N/A
6. Are health certification		•		able?				N/A
O. Ale ficallit continu	ales for introd	luctions (out	VIIII GD) availa	IDIC:				
<b>Transport Records</b>								
1. Are any movemen	nts carried ou	t by (or on be	half) of the bu	usiness (not usi	ing a STB)?			
If yes, is there a syst	tem in place f	or maintenan	ice of transpor	rtation records?	?			
Mortality Records								
Mortality records a	available for in	nspection?						N/A
2. How are mortalitie					Other (detail)			
If other detail:		fall to the se	abed					
3. Mortality records of								N/A
4. Recent mortality (	•			d mortality obse	erved on site s	ince last ins	spection	
5. Evidence of recer		typical morta						N/A
If yes, facility nos/no				/reason:				
6. Any other peaks in	n mortality du	ring period cl	necked?					N/A
If yes, detail:								
7. Have increased (u	unexplained)	mortalities be	en reported to	vet or FHI?				N/A
If yes, detail action:								
8. Have 'mortality ev	ents' been re	ported to FHI	? If no, enter	details on mort	ality events sh	eet.		N/A

Treatments and Medicines Records	
1. Recent treatments (see comment)?	
If yes, detail:	
If other, detail:	
2. Medicines records available for inspection?	
3. Are records complete and correctly entered?	
4. Are fish in a withdrawal period?	
5. If yes, what treatment(s)?	
If other, detail:	
6. Are medicines stored appropriately?	
Biosecurity Records	
1. Biosecurity records available for inspection?	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	V
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?	T V
5. Has the health status of aquaculture animals being stocked on the farm site been covered (equal or higher health status, certification if required)?	1
Thealth Status, Certification in 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: 28/07/2015-23/11/2022	

FHI 059, Version 13	Issued by: FHI			Date	of issue: 12
Case Number:	2022-0574 Site No:	SS059	8		
Date of Visit	23/11/2022 Inspector:				
Number of Susceptil	ble species on site				
_	ies present = LOW risk				
	present, score for each pathogen		No	Yes	
	Susceptible to Bonamia ostrea (OED)		0	25	0
	Susceptible to Marteilia refringens (OED, MED)		0	3	3
	Susceptible to OsHV (CGI)		0	3	0
Sites within a tidal e	veursion	1	2-5	>6	
Site contacts	Number of sites holding susceptible species within a tidal				
	excursion	0	2	10	10
1.1		_	4.0	. 2	
Live shellfish mover		<b>0</b>	<b>1-2</b>	>3   10	0
Movements on	Frequency of movements on from equivalent MS	0	5	10	
	Frequency of movements on from equivalent zone or		10	20	0
	compartment including third country  Number of suppliers	0	10 5	20	0
	Inditiber of suppliers	0	3	10	
Movements off	Frequency of movements off within MSS Management				
	Areas	0	1	2	0
	Frequency of movements off outwith MSS Management				
	Areas	0	3	6	0
	Number of destinations	0	3	6	0
Management			Secure (effluent	Unsecure (no effluent	
practices		None	treatment)	treatment)	
Water contacts with					
depuration facilities	Depuration of stock from own sites within MSS		4	_	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	_		Ŭ	
	area	0	4	8	0
	Nombra of eller		0 0		
Biosecurity	Number of sites	1   0	2 or 3	≥4	
Contacts with other sites	Sites operating from single shorebase Sites sharing staff and equipment	0	1	5	5
31103	Sites sharing stair and equipment	Ů			
			Yes	No	
	Disinfection of equipment between sites, use of footbath	is etc	0	2	2
		.5 5.6			
			Total		20
			Risk		MEDIUM

Case No:	2022-0574			Date of visit:	23/11/2022			
Site No:	SS0598	1		Inspector:				
	330398	l		irispector.				
Results Summary	Freq.				te of Notifica			
		Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Insp
Report Summary				1				
Case Type	Date	Insp	2 <sup>nd</sup> Insp					
ECI	29/11/2022							





### SUMMARY FOR INFORMATION OF SITE OPERATOR

Business NoSB0394Date of Visit23/11/2022Site NoSS0598Site NameLewis MusselsCase No20220574Inspector

# 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 not available for inspection.

No evidence of increased or atypical mortality has been observed on site since the last inspection by Marine Scotland.

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

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

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

Movement record were not available for inspection.

This report is a reminder that any Aquaculture animal and aquaculture animal product movements on and off site must be recorded to ensure the conditions of authorisation for your Aquaculture Production Business (APB) are being met.

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	I	ssued by: FHI	Date of issue: 12/05/2020		
Case No: 2022-0577			Date of visit: 23/11/2022		
Time spent on site:	Omins	Main Inspec	ctor:		
Site No: SS0773 Business No: SB0394	Site Name: Business Name:	Sgeir nan Each Lewis Mussels			
Case Types: 1 ECI 2	3	4 5	6		
Water Temp (°C): 12.2	Thermometer No:	T173	FHI 045 completed		
Observations:	Region: WI	Water type: S	CoGP MA:		
Dead/weak/abnormally behaving to Clinical signs of disease observed Gross pathology observed? Diagnostic samples taken?	•	N If yes, see additional inf	ormation/clinical score sheet. ormation/clinical score sheet. ormation/clinical score sheet.		
UNI/REG only - if unable to carry out intended visit detail reason below:					

# **Additional Case Information:**

Site not inspected since 2015. Site does not have movement book. Site manager confirmed that mussels are not transferred between sites from relaying.

BMP available and adequate with minor edits required.

Minimal fouling observed on site. Eider ducks have not been an issue on site.

FHI 059, Version 13			Issu	ued by: FHI			Date of issu	e: 12/05/2020
Case No:	2022-0577		Site No:	SS0773				
Date of Visit:		23/11/2022	2		Inspector(s):			
Registration/Autho								
1. Business/site deta	•	checked by s	site representa	ative?			Y	
2. Changes made to	details?						Y	]
Site Details (includ								
Total No facilities		5	Facilities sto	cked	5	No facilitie	s inspected	5
Species	MED	MED						
Age group	2020	spat						
	2 double	2 double						
No Fish	lines	lines						
Mean Fish Wt	45mm	spat						
Next Fallow Date (S	,	never fallow		Next Input Da	_ '		mer spatfall	
Recent (last 4 wks)	disease probl	ems?		N	Any escapes	(since last	visit)?	N
If yes, detail:								
Maryamant Dogard								
Movement Records		- increation?						N
1. Movement record		r Inspection:					28/07/2015	IV
<ol> <li>Date of last inspects</li> <li>Are records comp</li> </ol>		cotly entered	2				26/07/2013	N
4. Are movement rec				,				N/A
5. Are records comp								N/A
6. Are health certification		•		able?				N/A
O. Allo Hould's Cortillo		luctions (out	vitir OB, availe	abic:				
Transport Records								
1. Are any movemen		t by (or on be	ehalf) of the bu	usiness (not usi	ing a STB)?			
If yes, is there a syst		• '		,				
Mortality Records								
Mortality records a	available for i	nspection?						N/A
2. How are mortalities					Other (detail)			
	empty shells		abed					
3. Mortality records of								N/A
4. Recent mortality (	•			d mortality obse	erved on site s	since the las	t inspection	
5. Evidence of recer		typical morta					-	N/A
If yes, facility nos/no				/reason:				
6. Any other peaks in	n mortality du	ring period c	necked?					N/A
If yes, detail:								
7. Have increased (u	unexplained)	mortalities be	en reported to	o vet or FHI?				N/A
If yes, detail action:								
8. Have 'mortality ev	ents' been re	ported to FH	I? If no, enter	details on mort	tality events sh	neet.		N/A

Treatments and Medicines Records	
1. Recent treatments (see comment)?	
If yes, detail:	
If other, detail:	
2. Medicines records available for inspection?	
3. Are records complete and correctly entered?	
4. Are fish in a withdrawal period?	
5. If yes, what treatment(s)?	•
If other, detail:	
6. Are medicines stored appropriately?	
Biosecurity Records	
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 dise	ase
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	e 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?	<u> </u>
8. Have the biosecurity procedures been adequately implemented on site?	Y
If no, detail:	
Results of Surveillance	
Has any animal health surveillance been carried out by, or on behalf of, the business?	N
2. If yes, are results available for inspection?	
3. Any significant results?	
If yes, detail (if not detailed under recent disease problems).	
ir you, dotair (ir not dotailed direct recent disease probleme).	
Records checked between: 28/07/2015-23/11/2022	

FHI 059, Version 13	issued by: FHI			Date	or issue: 12
Case Number:	2022-0577 Site No:	SS077	3		
Date of Visit	23/11/2022 Inspector:			1	
Number of Susceptil	ole species on site				
	ies present = <u>LOW</u> risk				
If susceptible species	present, score for each pathogen		No	Yes	
	Susceptible to Bonamia ostrea (OED)		0	25	0
	Susceptible to Marteilia refringens (OED, MED)		0	3	3
	Susceptible to OsHV (CGI)		0	3	0
Sites within a tidal e	xcursion	1	2-5	>6	
Site contacts	Number of sites holding susceptible species within a tidal excursion	0	2	10	10
Live shellfish moven	nents	0	1-2	>3	
Movements on	Frequency of movements on from equivalent MS	0	5	10	0
	Frequency of movements on from equivalent zone or compartment including third country	0	10	20	0
	Number of suppliers	0	5	10	0
Mayamanta off					
Movements off	Frequency of movements off within MSS Management Areas	0	1	2	0
	Frequency of movements off <u>outwith</u> MSS Management Areas	0	3	6	0
	Number of destinations	0	3	6	0
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	5
			Yes	No	
	Disinfection of equipment between sites, use of footbath	ıs etc	0	2	2
			Total		20
			Risk		MEDIUM

Case No: 2022-0577 Date of visit: 23/11/2022  Site No: SS0773 Inspector:  Results Summary Freq. Date of Notification  Database Insp Phone Insp Writing Insp 2 <sup>nd</sup> Insp
Results Summary Freq. Date of Notification
Results Summary Freq. Date of Notification
Results Summary Freq.  Database Insp Phone Insp Writing Insp 2 <sup>nd</sup> Insp  Insp Insp Insp Insp Insp  Insp Insp Insp Insp Insp  Insp Insp Insp Insp  Insp Insp Insp Insp Insp  Insp Insp Insp Insp Insp  Insp Insp Insp Insp  Insp Insp Insp Insp Insp  Insp Insp Insp Insp Insp  Insp Insp Insp Insp Insp  Insp Insp Insp Insp Insp  Insp Insp Insp Insp Insp  Insp Insp Insp Insp Insp  Insp Insp Insp Insp Insp  Insp Insp Insp Insp Insp  Insp Insp Insp Insp Insp  Insp Insp Insp Insp Insp  Insp Insp Insp Insp Insp  Insp Insp Insp Insp Insp Insp  Insp Insp Insp Insp Insp Insp  Insp Insp Insp Insp Insp Insp Insp Insp  Insp Insp Insp Insp Insp Insp Insp Insp
Database Insp Phone Insp Writing Insp   2 <sup>1/4</sup> Insp
Report Summary Spate Local Loc
Case Type Date Insp 2 <sup>nd</sup> Insp
ECI 29/11/2022





### SUMMARY FOR INFORMATION OF SITE OPERATOR

Business No SB0394 Date of Visit 23/11/2022
Site No SS0773 Site Name Sgeir nan Each
Case No 20220577 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 not available for inspection.

No evidence of increased or atypical mortality has been observed on site since the last inspection by Marine Scotland.

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

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

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

Movement record were not available for inspection.

This report is a reminder that any Aquaculture animal and aquaculture animal product movements on and off site must be recorded to ensure the conditions of authorisation for your Aquaculture Production Business (APB) are being met.

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: 2022-0584			Date of visit: 07/11/2022		
Time spent on site:	1hr	Main Inspecto	or:		
Site No: SS0964 Business No: SB0569	Site Name: Business Name:	Rastech Eden Campus (SF) Rastech CIC (Shellfish)			
Case Types: 1 ALA	2 3	4 5	6		
Water Temp (°C):	Thermometer No:		FHI 045 completed		
Observations:	Region: FI	Water type: S	CoGP MA: None		
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.  If yes, see additional information/clinical score sheet.					
UNI/REG only - if unable to carry out intended visit detail reason below:					

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

All the bussinesses existing IBCs, drum filter, protein skimmer, uv, ozone etc will be transfred to this site from SS0940, which will be deregistered once decomissioned.

All effluent water is passed through a drum filter prior to collection and storage in a silo located on site, where the solid waste sinks to the bottom and is captured in a cone. The solid waste is then removed from the wastewater and is processed in an anaerobic digestor before it is used as fertiliser for a hydroponics unit (also on site) for plant cultivation.

The waste water is dosed with chlorine and ozone before it is discharched into mains sewage where it goes through tertiary treatment prior to discharge.

Mortalities and waste is collected in a sealed bin on site, which is expected to be collected by a licensed contractor once a year due to the low level of expected mortalities. Currently the plan is to collect fish and shellfish waste in the same bin, but this can be seperated if required.

The poly tunnel sits ontop of a pond liner and the bunding comes up 12" above ground within the tunnel. It is capabe of holding the volume of water in the facilities should a leak or overspill occur.

The poly tunnel is seperated into 2 rooms, each temperature controlled. Arcitc charr in one side at an ambient temp of 12 degrees celsius, and the whiteleg shrimp in the other room at 30 degrees celsius. There were footbaths with disinfectant present at the boundary to each site. A visitor log is also available at the portacabin at the entry to the poly tunnel for visitor control. There is a changing room on entry where staff and visitors can put on PPE. There was no change of PPE between the fish and shellfish sites.

The poly tunnel is within a secure perimeter fence which is padlocked and under 24/7 cctv monitoring. Cameras are present througout the site.

use of alien and locally absent species in aquaculture.

- Does the facility involve the recirculation of water: Yes.
- Do discharges not connect in any way to open waters before screening and filtering or percolation and filtering to prevent the release of solid waste into the aquatic environment:

The water in the recirculation unit passes through a drum filter and biological filter. No water is discharged from the recirc unit. All effluent water from the site is the waste water that is collected from the drum filter. This water is collected in a large silo to allow any remaining solids to separate from the wastewater. Solid waste sinks to the bottom cone where it is then removed and processed in an anaerobic digester before it is used as fertiliser for a hydroponics unit for plant cultivation (Salicornia). The waste water is dosed with chlorine and ozone before it is discharged into mains sewage where it passes through tertiary treatment.

• Are measures in place to prevent the escapes from the facility of the farmed species and non-target species that may survive and subsequently reproduce:

Yes. This is a closed recirculation unit with no water being discharged directly from the system. Water is passed through a drum filter and biological filter. All effluent water from the site is the waste water that is collected from the drum filter. This water is collected in a large silo to allow any remaining solids to separate from the wastewater. Solid waste sinks to the bottom cone where it is then removed and processed in an anaerobic digester before it is used as fertiliser for a hydroponics unit. The remaining waste water (containing no solid waste) is dosed with chlorine and ozone prior to discharge down mains drains where is goes to tertiary treatment. Site is indoors and fully bunded. Stock will be held in IBCs. If flooding were to occur, bunding is capable of holding more than the volume of water located on site. Site is surrounded by a perimeter fence is monitored with 24/7 CCTV. Site is locked when unattended.

- Are measures in place to prevent the loss of reared specimens or non-target species and other biological material, including pathogens due to factors such as predators (e.g. birds) and flooding:

  Site is indoors and locked when unattended. Birds or other predators will have no access to the site. The site is bunded and is
- capable of holding the volume of water on site. All effluent is dosed with chlorine and ozone prior to discharge into mains.
- For predators is there predator control plan and what are the measures in place to prevent predation:

- For flooding what is the distance of the facility from open waters: Distance of facility to open water is ~20m, however, the site is completely bunded to contain any water due to flooding or overspill.
- Are measures are in place to prevent losses of reared specimens or non-target species and other biological material, including pathogens, due to theft or vandalism:

  Site is surrounded by a perimeter fence and is monitored with 24/7 CCTV. Alarms are installed and the site is locked when unattended.
- Are dead organisms disposed of in an appropriate method:
   All mortalities and waste are collected in a sealed bin which will be collected by a third party contractor for disposal as clinical waste.
- Is transport carried out under conditions that prevent the escape of the species and any non-target species: Animals are transported in sealed bags within polyboxes. These are moved by site personnel using private vehicles.

Case No:	2022-0584			Date of visit:	07/11/2022			
Site No:	SS0964	1						
	330904	l		Inspector:				
Results Summary	Freq.	_	1.		te of Notifica			
		Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Insp
	+							
Report Summary			1	1				
Case Type	Date	Insp	2 <sup>nd</sup> Insp					
ALA	23/11/2022							





### SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS No SB0569 DATE OF VISIT 07/11/2022

SITE NO SS0964 SITE NAME Rastech Eden Campus (SF)

Case No 20220584 Inspector

An application for authorisation to farm the non-native species white leg shrimp (*Litopenaeus vannamei*) was received on the 13<sup>th</sup> September 2022.

The production facilities at Rastech Eden Campus (SF), operated by Rastech CIC (Shellfish), were inspected on 7<sup>th</sup> November 2022 to determine if an application for a permit was required under the Alien and Locally Absent Species in Aquaculture (Scotland) Regulations 2015 ("the 2015 regulations"). Movements of alien or locally absent species to facilities meeting the definition of a 'closed aquaculture facility' are exempt from the permit process by these Regulations, provided that transport is carried out under conditions that prevent the escape of those species and any non-target species.

It was determined that the facilities and their current operation met the requirements of a closed aquaculture facility under Article 3(3) of Council regulation (EC) No 708/2007. The transport methods proposed were deemed to be acceptable with regards to containment and prevention of escape.

### Operational activities included:

- Site access through a locked entrance to prevent unauthorised entry from persons, predators or vermin:
- Aquaculture conducted in a recirculation system;
- The facilities will only be stocked with Litopenaeus vannamei (white leg shrimp);
- Waste water is passed through a drum filter prior to discharge for tertiary treatment;
- Mortalities are removed daily and stored in a bio-secure manner prior to disposal;
- Mortalities will be collected by an approved waste contractor for biosecure disposal;
- Transportation of stock into the site is conducted in sealed bags within sealed boxes, with all water associated with the transport discharged into the recirculating system;
- All materials associated with transport are disinfected prior to disposal;
- An auditable record of stock and product transfers is maintained;
- Stock will be euthanized on site and disposed of using an approved waste contractor;
- No live animals will be transported out of the facility.

The Rastech Eden Campus (SF) site, will not require to apply for a permit to introduce alien species under Council Regulation (EC) No 708/2007 due to the facilities currently being regarded as meeting the requirements of a closed aquaculture facility and the transport of the alien species being conducted under conditions that will prevent their escape.

Rastech CIC (Shellfish) are reminded that should there be any change to the current operational practices at the Rastech Eden Campus (SF), this may result in the requirement for a permit under the 2015 Regulations. To ensure compliance with the 2015 Regulations these changes must be discussed with the Fish Health Inspectorate prior to being implemented.

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

Signed: Date: 23/11/2022

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: 2022-0586			Date of visit: 22/11/2022		
Time spent on site:	A	Main Inspecto	or:		
Site No: SS0823 Business No: SB0513	Site Name: Business Name:	Badluarach Grant Campbell			
Case Types: 1 PSI 2	3	4 5	6		
Water Temp (°C):	Thermometer No:		FHI 045 completed		
Observations:	Region: HI	Water type: S	CoGP MA:		
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.  If yes, see additional information/clinical score sheet.					
UNI/REG only - if unable to carry out intended visit detail reason below:					

### **Additional Case Information:**

The site is unlikely to be stocked again, authorisation form signed to make site inactive.

The last stock was removed from this site 18/02/2019 and it has not been restocked.

The easterly wave action on this site causes the scallops to hunker down and not feed effectively. They grow shell to protect themselves and appear to use their own meat as a source of energy to achieve this, therefore the meat yield at shucking is reduced. Although scallops can recover their meat weight quite quickly the site was again hit by sustained easterly gales in November 2018 and of course the lack of food in the water left the scallops in poor condition until their food source returned in spring 2019.

rmi 059, version 13	issued by: FHI			Date	or issue: 12
Case Number:	2022-0586 Site No:	SS082	3		
Date of Visit	22/11/2022 Inspector:				
Number of Susceptil	•				
	ies present = <u>LOW</u> risk			.,	
If susceptible species	present, score for each pathogen		No	Yes	
	Susceptible to Bonamia ostrea (OED)		0	25	0
	Susceptible to Marteilia refringens (OED, MED)		0	3	0
	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	0
NA					
Movements off	Frequency of movements off within MSS Management Areas	0	1	2	0
	Frequency of movements off <u>outwith</u> MSS Management Areas	0	3	6	0
	Number of destinations	0	3	6	0
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	ıs etc	0	2	0
			Total		0
			Risk		

FHI 059, Version 13	ls	Issued by: FHI		Date of issue: 12/0			
Case No: 2022-0586	Site No:	SS0823					
Date of case:	22/11/2022	Ins	spector(s):				
Business/site contacts correct?	(if no, update site summa	ry sheet)		Y			
Site Details							
	Several Order		No faci	ilities stocked: Fa	allow		
Species	70.010.		140 140	intics stocked.			
Age group							
No shellfish							
Mean fish Wt							
	Currently fallow	Next inpu	t date (site)	No inputs planned			
Date of last inspection: (ECI or	PSI): 27/07/2	015					
Any recent increased or atypic	ical mortalities? (last 4 we	eks):		N/	/A		
If yes, detail:							
e.g. site							
average, max							
per facility							
2. Any increased mortalities? (s	ince last inspection)			N/	′A		
If yes, detail:							
3. How are mortalities disposed	of?			O	ther (detail)		
If other detail: Empty shells left	t on seabed.						
A Are there are discussed as we				N			
4. Are there any diseases on your lf yes, detail:	ur site?			IN			
ii yes, detaii.							
5. Have you experienced preda	tion on site?			Y			
If yes, detail: Starfish and cra	b when the site used to be	e stocked.					
6. Has the site experienced incr	reased or abnormal fouling	g?		Y			
•	fouling in 2018, covering I	but not killing the scalld	ops and forcir	ng them to group	together in		
If yes, detail: clear areas of gr	round.						
7. Have you observed any invas	sive species on your site?			N			
If yes, detail:							
8. Do you have an up to date Bl	MP_and are there any issu	ues?		Y			
If yes, detail:	, and are there ary look			'			
9. What quantity of spat fall hav	ve you had in the last 12 m	onths? (mussal sites o	nnlv).				
N/A	by you had in the last 12 m	ionino: (musser sites u	71 11 y ).				

0 N	0000 0500			<b>5</b>	: 00/44/0	200						
Case No:	2022-0586	J		Date of vis	sit: 22/11/20	022						
Site No:	SS0823	SS0823 Inspector:										
Results Summary	Freq.	Freq. Date of Notification										
results cultilliary	1 164.	Database Insp Phone Insp Writing Insp										
						3		2 <sup>nd</sup> In				
	_											
	+											
Report Summary												
Case Type	Date	Insp	2 <sup>nd</sup> Insp									
PSI	23/11/2022	2										
	+											





#### SUMMARY FOR INFORMATION OF SITE OPERATOR

Business NoSB0513Date of Visit21/11/2022Site NoSS0823Site NameBadluarach

Case No 20220586 INSPECTOR

Routine surveillance frequency assessment under the Aquatic Animal Health (Scotland) Regulations 2009

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

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

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

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

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

Signed:

Fish Health Inspector

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: 23/11/2022