Issue	ed by: FHI	Date of issue: 12/05/2020
		Date of visit: 01/11/2023
0mins	Main Inspecto	or:
Site Name: Business Name:	Disease Challenge Room 02.0 The Roslin Institute	050
2 3	4 5	6
Thermometer No:		FHI 045 completed
Region: LO	Water type: S	CoGP MA:
fish present? d?	If yes, see additional infor	rmation/clinical score sheet. rmation/clinical score sheet. rmation/clinical score sheet.
Site to be deregisted	ered. Fallow inspection.	
	Omins  Site Name: Business Name:  Thermometer No: Region: LO fish present? d?	Site Name: Business Name:  The Roslin Institute  Thermometer No:  Region:  LO  Water type:  S  fish present? d?  If yes, see additional information of the present of the p

Site has not been stocked since last inspection so no records to collect.

Site has been decomissioned by the business and is to be deregistered. Orders to be revoked.

Site operations have moved to a new site, which was also inspected as part of the consideration for authorisation.

FHI 059, Version 13	;		Issu	ed by: FHI			Date of issu	ie: 12/05/2020
Case No:	2023-0501		Site No:	SS0941				
Date of Visit:		01/11/2023	]		Inspector(s):			
Registration/Author	orisation Deta	ils						
1. Business/site det			ite representa	ative?			Y	7
2. Changes made to	•	Í	·				Υ	1
Site Details (includ	de cleaner fis	h for all secti	ions)					
Total No facilities		0	Facilities sto	cked	0	No faciliti	es inspected	0
Species								
Age group								
No Fish								
Mean Fish Wt								
Next Fallow Date (S	Site)	Currently fall	ow	Next Input Da	ate (Site)	N/A		•
Recent (last 4 wks)	disease proble	ems?		N/A	Any escapes	(since last	t visit)?	N
If yes, detail:						`	,	
Movement Record	s							
Movement record		inspection?						Y
2. Date of last inspe		поросиот.					31/03/2021	
3. Are records comp		ectly entered?	•					N/A
4. Are movement re		•		<b>,</b>				N/A
5. Are records comp								N/A
6. Are health certific		•		able?				N/A
Transport Records	5							
1. Are any moveme		bv (or on bel	half) of the bu	usiness (not usi	ing a STB)?			
If yes, is there a sys		• `	*	,	,			
Mortality Records								
1. Mortality records	available for in	nspection?						Y
2. How are mortaliti		•			Incinerated -	on site		
If other detail:			e disposed of	via the institute	es clinical was	ste route.		
3. Mortality records								N/A
4. Recent mortality	(last 4 wks):		None.					
5. Evidence of rece	nt increased/a	typical mortal	ities?					N/A
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?					N/A
If yes, detail:								
<ol><li>Have increased ( If yes, detail action:</li></ol>	unexplained) i	nortalities be	en reported to	o vet or FHI?				N/A
8. Have 'mortality e	vents' been re	corted to FHI	? If no, enter	details on mort	ality events sl	neet.		N/A

Treatments and Medicines Records	
Recent treatments (see comment)?  If you detail:	
If yes, detail:	
If other, detail:  2. Medicines records available for inspection?	
Are records complete and correctly entered?	
4. Are fish in a withdrawal period?	
5. If yes, what treatment(s)?	
If other, detail:	
6. Are medicines stored appropriately?	
Biosecurity Records	
Biosecurity records available for inspection?	
2. Has the manner and frequency of mortality removal, recording	g 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	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?
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 by	
transmission of disease been covered (movement of staff, visito	
7. Is documentation available regarding the measures in place to	maintain the physical containment of
aquaculture animals held on site?	ad an aita 0
8. Have the biosecurity procedures been adequately implemented in the procedure in the proc	ed on site?
ii iio, detaii.	
Results of Surveillance	
Has any animal health surveillance been carried out by, or on	behalf of the business?
2. If yes, are results available for inspection?	
3. Any significant results?	
If yes, detail (if not detailed under recent disease problems).	
Records checked between: 31/	/03/21 - 01/11/23

Case No:	2023-0501			Date of visit:	01/11/2023			
Site No:	SS0941	]		Inspector:		ı		
Results Summary	Freq.			Da	te of Notifica	tion		
,		Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Insp
	1							
	-							
	<del> </del>							
D								
Report Summary								
Case Type REG	Date	Insp	2 <sup>nd</sup> Insp					
REG	03/11/2023							
	<del>                                     </del>							
	<del>                                     </del>							
	<del>                                     </del>							



### SUMMARY FOR INFORMATION OF SITE OPERATOR

**DATE OF VISIT** 01/11/2023

BUSINESS NO SB0556

SITE NO SS0941 SITE NAME Disease Challenge Room 02.050

CASE NO 20230501 INSPECTOR

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 and is to be deregistered.

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

Signed: Date: 03/11/2023

Fish Health Inspector

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

FHI 059, Version 13	Issu	ed by: FHI	Date of issue: 12/05/2020
Case No: 2023-0502			Date of visit: 01/11/2023
Time spent on site:	1hr	Main Insp	pector:
Site No: FS1364 Business No: FB0590	Site Name: Business Name:	Budongo Moat RZSS Edinburgh Zoo	
Case Types: 1 REG	2 3	4 5	6
Water Temp (°C):	Thermometer No:		FHI 045 completed
Observations:	Region: LO	Water type: F	CoGP MA:
Dead/weak/abnormally behaving Clinical signs of disease observed Gross pathology observed? Diagnostic samples taken?	•	If yes, see additional	information/clinical score sheet. information/clinical score sheet. information/clinical score sheet.
UNI/REG only - if unable to carr			
	Site to be deregist	ered. Fallow inspection.	

Business was authorised as an APB in order to move live fish off to a put and take fishery. Inspection was completed to confirm site is fallow following the transfer of the fish before being deregistered.

FHI 059, Version 13			Issu	ied by: FHI			Date of issu	ue: 12/05/2020
Case No:	2023-0502		Site No:	FS1364				
Date of Visit:		01/11/2023	1		Inspector(s)			
Registration/Autho	risation Deta	ails						_
1. Business/site deta	•	checked by si	ite represent	ative?			Υ	
2. Changes made to	details?						Υ	J
Site Details (includ	e cleaner fis	h for all secti	ions)					
Total No facilities		0	Facilities sto	ocked	0	No facilit	ties inspected	0
Species								
Age group								
No Fish								
Mean Fish Wt		0		Marchael Da	(0:12)	N1/A		
Next Fallow Date (S	•	Currently fall	ow	Next Input Da	_ ` ′	N/A	ot vioit\2	NI/A
Recent (last 4 wks) of the second (last 4 wks) o	disease probi	ems?		IN/A	Any escapes	s (since ias	st visit) ?	N/A
<ol> <li>Are records comp</li> <li>Are health certific</li> </ol> Transport Records <ol> <li>Are any movement</li> <li>yes, is there a sys</li> </ol>	ates for introd nts carried ou	luctions (outw	ith GB) avail	usiness (not us	-			N/A
Mortality Records								
Mortality records a	available for i	nspection?						N/A
2. How are mortalitie		•			Incinerated -	on site		
If other detail:								
3. Mortality records	•	correctly ente	ered?					N/A
4. Recent mortality (	•		No mortalitie	es observed.				NI/A
<ol><li>Evidence of recer</li><li>If yes, facility nos/no</li></ol>		• •		//reason:				N/A
ir yes, racility 1105/110	mortality per	Tacility/110 Sto	ck per racility	rieason.				
6. Any other peaks i	n mortality du	ring period ch	ecked?					N/A
If yes, detail:								
7. Have increased (u	unexplained)	mortalities be	en reported t	o vet or FHI?				N/A
If yes, detail action: 8. Have 'mortality ev	ents' boon ro	norted to EUI	2 If no ontor	details on more	tality events s	heet		N/A
o. Have mortality ev	elira neeli le	Policu to FIII	: II IIO, enter	uctails off fffoff	ianty everits S	neet.		IN/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?		
Piecesurity Peserde		
Biosecurity Records  1. Biosecurity records available for inspection?		
<ul><li>2. Has the manner and frequency of mortality removal, recording and sa</li></ul>	ofo disposal boon considered?	
3. Has the manner and period in which the APB will notify Scottish Minis	·	
increased (unexplained) mortality at the site been included?	ters or veterinary professional or any	
4. Has the action that will be taken in the event that the presence or sus	nicion of the presence of a listed disease	
is detected been included and <i>how</i> and <i>when</i> that will be notified to Scr	•	
5. Has the health status of aquaculture animals being stocked on the fa		
health status, certification if required)?	in site been covered (equal of higher	
Troditir Status, Softmouton in rodumou).		
6. Have the husbandry and biosecurity measures implemented between	each epidemiological unit to minimise	
transmission of disease been covered (movement of staff, visitors, equi		
7. Is documentation available regarding the measures in place to maintain	· · · · · · · · · · · · · · · · · · ·	
aquaculture animals held on site?		
8. Have the biosecurity procedures been adequately implemented on si	e?	
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: First inspe	ction	

0 11	2000 0500							
Case No:	2023-0502	J		Date of visit	: 01/11/2023			
Site No:	FS1364	1		Inspector				
		ı		торостог				
Results Summary	Freq.			Da	ate of Notifica	ition		
		Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Insp
	<b>.</b>							
					-			
					-			
					-			
					-			
Report Summary				1				
Case Type REG	Date	Insp	2 <sup>nd</sup> Insp					
REG	03/11/2023							



### SUMMARY FOR INFORMATION OF SITE OPERATOR

Business No FB0590 Date of Visit 01/11/2023
Site No FS1364 Site Name Budongo Moat
Case No 20230502 Inspector

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 and is to be deregistered.

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

Signed: Date: 03/11/2023

Fish Health Inspector

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

FHI 059, Version 13	lss	sued by: FHI	Date of issue: 12/05/2020
Case No: 2023-0503			Date of visit: 01/11/2023
Time spent on site:	45mins	Main Inspect	or:
Site No: SS0977 Business No: SB0556	Site Name: Business Name:	Disease Challenge Aquarium The Roslin Institute	
Case Types: 1 OTH	2 INF 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 info	rmation/clinical score sheet. rmation/clinical score sheet. rmation/clinical score sheet.
UNI/REG only - if unable to carry	y out intended visit detail re	eason below:	

Site was inspected as part of the application for authorisation to ensure that satisfactory biosecurity measures are in place to enable disease challenge work, which includes but is not limited to listed diseases (Bonamia and OsHV).

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

The site will record mortalities, however, due to the nature of the site and the fact the animals are intentionally challenged with disease pathogens, 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, live shrimp or tissue samples are moved into the aquarium. 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 challenge (DC) aquarium. Live animals will be transferred to the DC aquarium also in bags that have been disinfected with Virkon prior to transfer. Once in the DC aquarium, 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. The new DC aquarium is equipped with trays that are able to stock live animals. Either artificial seawater using mains water or natural seawater collected at the abstraction point in St Abbs is used in the DC aquarium. The seawater is stored in a large drum in the upstairs floor. A gravity fed system of pipes then transfers the seawater from the storage tank into the trays within the DC aquarium. These pipes are fitted with non-return valves in addition to the gravity fed design to ensure no water leaves the DC aquarium.

Waste water from the system is drained through pipes into a large disinfection tank, where sodium hypochlorite is added and left for 48hrs prior to discharge into mains. There are no drains in the aquarium room and wastewater is discharged via pipes that go though the wall. Non-return valves are also installed in these pipes. The entire room is bunded and is capable of holding the entire volume of water held within the aquarium should a leak ever occur.

Waste is bagged and disinfected with Virkon before being placed in a second bag which is also disinfected. Waste is stored within the aquarium within a designated clinical waste bin which is collected when full and disposed of via the universities clinical waste route, which ultimetely ends in incineration.

0								
Case No:	2023-0503	J		Date of vis	sit: 01/11/20	023		
Site No:	SS0977	1		Inspect	or:			
Results Summary	Freq.	Detahasa	lasa		Date of Noti		laan	- nd -
		Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Insp
	+						_	
	†							
							_	
	+							
							_	
Report Summary								
Case Type	Date	Insp	2 <sup>nd</sup> Insp					
OTH, INF (no report)								
	+							
	1							
	1							

FHI 059, Version 13	Iss	sued by: FHI	Date of issue: 12/05/2020
Case No: 2023-0504			Date of visit: 06/11/2023
Time spent on site:	irs	Main Inspecto	or:
Site No: FS1104 Business No: FB0119	Site Name: Business Name:	Laddie Wood, Loch Garry Mowi Scotland Ltd	
Case Types: 1 ECI 2	CNI 3 VMD	4 5	6
Water Temp (°C): 8.2	Thermometer No:	T306	FHI 045 completed
Observations:	Region: HI	Water type: F	CoGP MA:
Dead/weak/abnormally behaving for Clinical signs of disease observed Gross pathology observed? Diagnostic samples taken?	•	Y If yes, see additional infor	mation/clinical score sheet. mation/clinical score sheet. mation/clinical score sheet.
UNI/REG only - if unable to carry of	out intended visit detail re	eason below:	

Site is stocked with organic fish that came on from Inverpolly (FS0264) and non-organics sourced from Inchmore (FS0226). Organics are reported to be performing well. The non-organics have been impacted by Saprolegnia, attributed to issues with filtration at the hatchery.

Elevated mortality in wks42 and 43. Attributed to vaccination losses and fungal infection.

Fish have been vaccinated with Micro6, Micro1 PD and Pasturella skyensis.

Clinical signs of PKD were observed in fish sampled on 18/09/23, however fish behaviour and mortality trends did not raise concerns at the time. Prevalence will be closely monitored.

Dead fish and waste from the site is now incinerated on site. Culls are stored in IBCs at the shorebase before being collected by Billy Bowie and taken to Duranta, Middlesborough.

The majority of fish were difficult to observe as they were sitting deeper in the water which was very dark in colour as a result from high volumes of rain in recent weeks. Fish that were observed at the surface were infected with Saprolegnia and fungal growths were prevalent in every cage of fish stocked from Inchmore. Organics have not been so badly affected.

Staff were on site at time of inspection treating non-organic stock with Pyceze and Formalin. Moribunds and mortalities were actively being removed from the cages following treatment. Fish are due to be transferred to sea in the coming weeks.

Fish sampled for VMD appeared in good health externally and internally and food was present in the gut of all fish.

FHI 059, Version 13			Issu	ıed by: FHI			Date of issu	e: 12/05/2020
Case No:	2023-0504		Site No:	FS1104	4			
Date of Visit:		06/11/2023	3		Inspector(s	):		
Registration/Autho								_
1. Business/site deta	•	checked by s	ite representa	ative?			Y	_
2. Changes made to	uetalis						ī	
Site Details (includ	e cleaner fis	h for all sect	ions)					
Total No facilities		22	Facilities sto	ocked	20	No facilitie	es inspected	22
Species	SAL							
Age group	2023 Q4							
No Fish	1,587,461							
Mean Fish Wt	~93g							
Next Fallow Date (S		Nov 23		Next Input D		Jul 24		
Recent (last 4 wks)		ems?			Y Any escape	es (since last	visit)?	N
If yes, detail:	Saprolegnia							
Movement Records	2							
Movement record		r inspection?						Y
2. Date of last inspe		i inspection:					08/09/2020	
3. Are records comp		ectly entered?	?				00/00/2020	Y
4. Are movement re				?				Y
5. Are records comp								Y
6. Are health certific		•		able?				N/A
Transport Records								
1. Are any movemen	nts carried ou	t by (or on be	half) of the bu	usiness (not us	sing a STB)?			N
If yes, is there a sys	tem in place f	or maintenan	ce of transpo	rtation records	s?			
Mortality Records								
1. Mortality records	available for i	nspection?						Y
2. How are mortalities		•			Incinerated	- on site		
If other detail:								
3. Mortality records	complete and	correctly enter	ered?					Y
			Wk43: 22,97	78 (1.4%), Wk	42: 21,044 (1	.3%), Wk41	: 672 (0.04%),	, Wk40:
4. Recent mortality (			1,318 (0.2%	<u>)</u>				
5. Evidence of recer		•						Y
If yes, facility nos/no	, ,	•					0 1 .	
Majority of mortalitie 6. Any other peaks i				nd have been a	attributed to i	nfection with	Saprolegnia.	l N
If yes, detail:	IT IIIOI tality du	ning penda ci	leckeu!					11
7. Have increased (	inexplained)	mortalities he	en reported to	o vet or FHI?				N/A
If yes, detail action:	anioa)		z.reported to					-,,,
8. Have 'mortality ev	ents' been re	ported to FHI	? If no, enter	details on moi	rtality events	sheet.		N/A

Treatments and Me			
1. Recent treatments			Y
Market State	Formalin,		
If yes, detail:	Pyceze		
If other, detail:	a vallable for increation?		
	s available for inspection?		ĭ
•	lete and correctly entered?		T
4. Are fish in a withd	•	E P. D	'
5. If yes, what treatm	ierii(s)?	Formalin, Pyceze	
If other, detail:			
6. Are medicines sto	red appropriately?		<u> </u>
Biosecurity Record	le .		
	ls available for inspection?		V
-		recording and safe disposal been considered?	\ \frac{1}{V}
		ify Scottish Ministers or veterinary professional of any	
	ned) mortality at the site been inclu		Y
•	•	presence or suspicion of the presence of a listed disease	
	luded and <i>how</i> and <i>when</i> that will b	·	Y
		tocked on the farm site been covered (equal or higher	Y
health status, certific			
, , , , , , , , , , , , , , , , , , , ,	<b></b>		
6. Have the husband	dry and biosecurity measures implement	mented between each epidemiological unit to minimise	Y
		aff, visitors, equipment, live or dead fish etc.)?	
		n place to maintain the physical containment of	Y
aquaculture animals			
•	rity procedures been adequately imp	plemented on site?	Y
If no, detail:			
Results of Surveilla	ance		
1. Has any animal he	ealth surveillance been carried out b	by, or on behalf of, the business?	Y
2. If yes, are results	available for inspection?		Y
3. Any significant res	sults?		Y
If yes, detail (if not de	etailed under recent disease proble	ems). Saprolegnia and PKD	
R	Records checked between:	08/09/2020 - 03/11/2023	

FHI 059, Version 13	Issued by: FHI	Date of issue: 12/05/2020
Case No: 2023-0504	Site No	FS1104
Sea Lice Inspection (Seawater Sites Only)		
Has the site experienced sea lice problems	in the previous 4 years?	
2. Is the CoGP Farm Management Area (or ed	quivalent) fallowed synchronously on a single	e year class basis?
3. Does the site have access to a range of lice	enced in-feed and bath sea lice medications	(including deltamethrin,
azamethiphos and emamectin benzoate) as v can these be deployed in a reasonable period		echanical control measures, and
4. Is there a signed documented farm manage Management Area (or equivalent)?	ement agreement or statement relevant to the	e site and CoGP Farm
<ul><li>5. Are sea lice count records available for insp</li><li>6. Do records adequately reflect the required s</li></ul>		(Legal SSI, CoGP Annex 6)
7. Are sea lice ( <i>L. salmonis</i> ) record levels believels	ow the suggested criteria for treatment in the	CoGP during the period that
records are inspected? (CoGP Annex 6)		
8. Have average adult female sea lice ( <i>L. salr</i> , 2 or above (from w/b 10/6/19) during the period		or above (prior to w/b 10/6/19) or
If yes, have these been reported to the Fish H	•	
9. Is C. elongatus infestation at a level which	is considered to cause significant welfare pro	oblems? (CoGP 4.3.81, 5.3.50)
10. Have the rapeutic treatments been adminissuggested criteria for treatment or where $\it C.e.$		
11. Has any other action been taken (where a	pplicable)?	
12. Have therapeutic treatments or the actions	s taken had a significant impact upon the lice	e levels recorded?
13. Are treatments, where conducted, carried		
14. Is there a harvesting strategy for the site, sea lice?	where fewer populations or part populations	are held without treatment for
15. Is there a site specific written lice manage scenarios during the escalation of a sea lice in		et actions to deal with recognised
16. Do the sea lice levels observed on stocks	reflect sea lice count data? If no please deta	il reasons.
Containment Inspection		
1. Has the site experienced equipment damage	ge due to predators in the current or previous	production cycles?
2. Are measures in place to mitigate against the	he predation experienced on site? (Detail bel	ow)
Electric fence Tensioned nets	Top nets	
If other, detail below:		
Have escape incidents or events been exp		the last EULinementian?
If Yes proceed with questions 4 – 9. If No skip	•	the last FHI inspection?
4. Have these been reported to Scottish Minis	•	
5. Have these been reported to local DSFB fo		5 4 17)
6. Have these been reported to the SSPO and		· · · · · · · · · · · · · · · · · · ·
		, (666)
7. Were methods (if any) used to recover esca	apees? If yes give detail	
8. If gill nets were deployed was this action ag Ministers? (Legal, CoGP – 4.4.38, 5.4.18)	reed with local wild fish interests and was pe	ermission given by Scottish
<ol> <li>What action was taken to prevent and mining</li> </ol>	mise the risk of further escapes? (Not covere	ed in code but could
be considered under satisfactory measur		
10. Is the site inspected as satisfactory with re		eason(s)

FHI 059, Version 13		Issued by: FHI			Date o	of issue	: 12/05/2020
Case Number:	2023-0504		Site No:	FS1104		Insp:	
Date of Visit	06/11/2023		No of m	ovements/s	supp./dest.		Score
Live fish movements			0	1-5	6-10	>10	
Movements on (from out	Frequency of m	novements on from equivalent MS	0	5	10	14	0
with GB) of susceptible species		novements on from equivalent zone or		0	10	26	0
	Number of supp	cluding third country	0			26 14	0
Movements off	Frequency of m Number of dest		0			10	3
Exposure via water	Indiliber of desi	Site contacts				10	
Water contacts with other	Farm is protect	ed (secure water supply through	1				
farms (holding species	disinfection or b	porehole)	0				
susceptible to same diseases)		or in a coastal zone with category I or within 1 tidal excursion	1	2	4		1
		or in a coastal zone with category III	'		7		<u>'</u>
		or within 1 tidal excursion	1	3	6		
		or in a coastal zone with category V					
	farms upstream	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				
		from zone or compartment of					
	equivalent statu		4				
		from Category III farm	8				
	Processing lish	from Category V 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 farms	5				
Use of unpasteurised feeds	No feeding of u	npasteurised feed	0	1			0
·	Feeding unpast	•	5				
Biosecurity		Number of sites	1	2 or 3	≥ 4		
Contacts with other sites	Sites operating	from single shorebase	Ιο	1	2		0
	Sites sharing st	aff and equipment	0		2		0
Disinfection of equipment	Yes		0	1			0
between sites, use of footbaths etc	No		1				
CoGP/Regulator	<u> </u>			J			
Practices in accordance	Yes		Το	]			0
with regulator or industry	No		2				3
code of practice			3	J			
Platform access to cages	Yes		0				0
	No		2				
				•			
					Total		10
					Rank		LOW

ы	HI 059, Version 13							ISS	suea by: i	-HI			
	Case no:	2023-05	504	Site No		FS1104			Date of v		06/1	1/2023	07/
	Priority samples:	VI		ВА		PA		MG		<sub>у</sub> . НІ			
	Time sampling starts/ends:		0:00		5:00		Inspecto	or:		_	VMD No	). <b>[</b>	19
	Environmental conditions:	1	Indoors	2		3		4		5			
	Summary samples	HIST		ВА		MG		VI		PA		Total Sa	mples
A	dd Fish/Pools - click												
H	Fish nos	F1-15	E16-30	F31-45	E46-57								
	Pool Group	1 1-13	1 10-30	131-43	1 40-37								
	Species	SAL	SAL	SAL	SAL								
	Average weight			93g	93g								
	Sex	N/A		N/A	N/A								
	Water Type	FW	FW	FW	FW								
Stock Details		horhmore FS0226	മ Inchmore FS0226	ω Inchmore FS0226	D Inchmore FS0226								

11/2023	11/2023 Additional Sample Information:  Fish were humanely dispatched by tricaine overdose.														
	Fish we	re huma	anely dis	spatched	d by trica	aine ove	rdose.								
0	0 Total Tests assigned 0														

Site No: FS1104

Case No: 2023-0504

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

0 N	0000 0504				00/44/000	7		
Case No:	2023-0504	J		Date of visit	: 06/11/2023	3		
Site No:	FS1104	1		Inspector	:			
Results Summary	Freq.	Database	II	Da Da	ate of Notifica	ation	II	nd
		Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Insp
	_							
	+						-	
							_	
			-				_	
	-						-	
	<u> </u>							
							_	
			-				_	
							_	
Damant Communication	_			-				
Report Summary	Date	lnon	ond I	4				
Case Type ECI, CNI, VMD	07/11/2023	Insp	2 <sup>nd</sup> Insp					
201, 0111, 11112	0.71.172020							



### **SUMMARY FOR INFORMATION OF SITE OPERATOR**

**BUSINESS NO** FB0119 **DATE OF VISIT** 06/11/2023

SITE NO FS1104 SITE NAME Laddie Wood, Loch Garry

CASE NO 20230504 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 low. An inspection under the Aquatic Animal Health (Scotland) Regulations 2009 will be conducted every third year. The category of the site will be reassessed on a routine basis and updated as required.

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

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

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 Directorate were available for inspection.

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

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

Medicine records were inspected and found to be adequately maintained.

Samples were taken to be analysed for veterinary residues.

R04

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

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

On this occasion the site was found to be satisfactory.

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



Signed: Date: 07/11/2023

Fish Health Inspector

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

FHI 059, Version 13	Issu	ed by: FHI		Date of issue: 12/05/2020
Case No: 2023-0505				Date of visit: 08/11/2023
Time spent on site: 5h	nrs	M	ain Inspector	:
Site No: FS0742 Business No: FB0119	Site Name: Business Name:	Glenfinnan Mowi Scotland Ltd		
Case Types: 1 VMD 2	3	4 5	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 observed Gross pathology observed? Diagnostic samples taken?	•	Y If yes, see add	ditional inform	nation/clinical score sheet. nation/clinical score sheet. nation/clinical score sheet.
UNI/REG only - if unable to carry	out intended visit detail rea	son below:		

Fish came on from Inchmore (FS0226) and Lochailort (FS1269). Fish were meant to be 65g at transfer, but were closer to 90g. Fish appeared healthy pre-transfer, however following transfer, Saprolegnia developed and mortalities began to slowly increase. Treatments of Pyceze and Aquacen have been completed to control the fungal infection.

Mortalities are incinerated on site, however large culls are stored in IBCs at the shorebase before collection by Billy Bowie and taken to Dundas or Barkip for disposal.

On day of inspection, some cages were being loaded into lorries for transport to Eilean Grianain (Carradale) (FS1176). Inspector observed good crowding in the cages that were being pumped into the lorries.

Site is made up of 2 cage groups (Salmon Bay and Black Bay). Fish were difficult to observe as they were sitting deeper in the nets and the water was dark in colour. Selected nets were raised to aid removal for VMD sampling. Fish that were observed in the raised nets were active in the cages, however infection with Saprolegnia was evident across the site. Mortalities were observed in most cages, however few moribunds were observed. These were being removed by handnet during the inspection and were examined. Some individuals had significant fungal growths around the head, tail and flank.

Fish that were sampled for VMD were mostly healthy externally and internally, with the exception of a few individuals which had fungal growths on the body.

FHI 059, Versio	on 13			Issued by: F	HI		Date of issue: 12/05/202			
Case No:	2023-0505		Site No:	FS0742						
Date of Visit:		08/11/2023	]		Inspector(s)	):				
Registration/A	Authorisation	Details								
1. Business/site	e details sum	mary checked	by site repre	sentative?			Υ			
2. Changes ma	ade to details?	?					Υ			
Site Details (in	nclude clean	er fish for all	sections)							
Total No faciliti		32	Facilities sto	cked	25	No facilities	inspected	32		
Species	SAL						T			
Age group	2023 Q4									
No Fish	2,179,118									
Mean Fish Wt	100g									
Next Fallow Da		Dec 23		Next Input D	ate (Site)	July 24				
Recent (last 4)	` '				_ ` ′	s (since last v	risit\?	N		
,	Saprolegnia	рговістів:			rany cocape	o (Sirioc last v	ioit) :	10		
Movement Re	oordo									
		hla far inanaa	tion?					V		
1. Movement re		ole for inspect	lion?				20/04/2024	'		
2. Date of last i	•	l corroctly ont	orod0				28/04/2021	V		
3. Are records	•	•								
4. Are moveme				aste?				Y		
5. Are records	•	•		11-1-1-0				Y		
6. Are health co	ertificates for	introductions	(outwith GB) a	avallable?				N/A		
Transport Rec										
1. Are any mov					_	STB)?				
If yes, is there	a system in p	lace for maint	enance of tra	nsportation re	ecords?					
Mortality Reco	ords									
1. Mortality rec	ords available	e for inspectio	n?					Y		
2. How are mo	rtalities dispo	sed of?			Incinerated	- on site				
If other detail:										
3. Mortality rec	ords complete	e and correctl	y entered?					Y		
	·			0.02%), Wk4	11: 1,248 (0.0	06%), Wk42: 3	3,012 (0.14%	), Wk43:		
4. Recent mort	ality (last 4 w	ks):	13,484 (0.61	%)						
5. Evidence of	recent increa	sed/atypical n	nortalities?					Y		
If yes, facility n	os/no mortalit	y per facility/r	no stock per fa	acility/reason:						
Cages 21, 22 a	and 23 are wo	rst affected. (	Combination of	of fungal infec	tion and bad	weather ever	nts.			
6. Any other pe	aks in mortal	ity during peri	od checked?					Y		
				to fungal infe	ction combin	ed with treatm	nent/handling	losses.		
7. Have increas								N/A		
If yes, detail ac	tion:									
8. Have 'mortal	lity events' be	en reported to	FHI? If no, e	enter details o	n mortality e	vents sheet.		Y		

Treatments and Medicines Records		
Recent treatments (see comment)?		Y
Aquacen Pyceze		•
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 Formalin Pyceze	
If other, detail:		
6. Are medicines stored appropriately?		Y
Diagonitis Doggada		
Biosecurity Records		
Biosecurity records available for inspection?	vecesting and acta dispersal been considered?	
2. Has the manner and frequency of mortality removal,		
3. Has the manner and period in which the APB will not increased (unexplained) mortality at the site been included.		
4. Has the action that will be taken in the event that the disease is detected been included and <i>how</i> and <i>when</i>		
5. Has the health status of aquaculture animals being s		
health status, certification if required)?	stocked of the farm site been bovered (equal of higher	
6. Have the husbandry and biosecurity measures imple	emented between each epidemiological unit to	
minimise transmission of disease been covered (movel	,	
etc.)?		
7. Is documentation available regarding the measures i	in place to maintain the physical containment of	
aquaculture animals held on site?		
8. Have the biosecurity procedures been adequately im	plemented 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 proble	ems).	
Records checked between:	28/04/2021 - 03/11/2023	
ivecords checked between.	2010-112021 - 00/11/2020	

	11 059, Version 15							155	sueu by. Fni				
	Case no:	2023-05	505	Site No		FS0742			Date of visit	/ Sampling:	08/	11/2023	08/
	Priority samples:	VI		ВА		PA		MG		HI		ı	
	Time sampling starts/ends:	11:4	5:00	14:0	0:00	1	Inspect	or:			VMD No.	ļ	50
	Environmental conditions:	1	Indoors	2		3		4		5		1	
	Summary samples	HIST		ВА		MG		VI		PA		Total Sa	amples
A	dd Fish/Pools - click												
	Pool/Fish No												
	Fish nos	F1-15	F16-30	F31-45	F46-60	F61-75	F76-90	F91-105	F106-120	F121-135	F136-150		
	Pool Group												
	Species	SAL	SAL	SAL	SAL	SAL	SAL	SAL	SAL	SAL	SAL		
	Average weight	100g	100g	100g	100g	100g	100g	100g	100g	100g	100g		
		N/A		N/A	N/A		N/A	N/A	N/A	N/A	N/A		
	Water Type	FW	FW	FW	FW	FW	FW	FW	FW	FW	FW		
											1		1
		69	69	69	69	69	(FS0226)	26)	26)	(FS0226)	(FS0226)		1
		312	312	312	312	312	302	(FS0226)	202	302	202		1
		(FS	(FS	(F	(FS	(F	(FS	(FS	(FS	(FS			1
sis		r.	ort	r.	ort	r.			ē.	ē	<u>ə</u>		1
Details		ailc	ailc	ailc	ailc	ailc	υOπ	Out	lom	lorr	و		ı <b>İ</b>
		Lochailort (FS1269)	Inchmore	Inchmore	ch.	chr	ੂ ਫ਼ਿ		ı <b>İ</b>				
tock	Stock Origin			7	7		n C	드	9 Inchmore (FS0226)	82 Inchmore	86 Inchmore		
Ś	Facility No	11	13	15	17	19	22	24	26	28	30		

11/2023	11/2023 Additional Sample Information:													
Fish humanely dispatched by tricaine overdose.														
0 Total Tests assigned 0														

Site No: FS0742

Case No: 2023-0505

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

Case No:	2023-0505			Date of visit:	08/11/2023			
Site No:	FS0742	1		Inspector:		ı		
Results Summary	Freq.			Da	te of Notifica	tion		
	· ·	Database	Insp	Phone	Insp		Insp	2 <sup>nd</sup> Insp
	<u> </u>							
Report Summary				1				
Case Type	Date	Inch	and Incom					
Case Type VMD	08/11/2023	Insp	2 <sup>nd</sup> Insp					
VIVID	00/11/2020							



#### SUMMARY FOR INFORMATION OF SITE OPERATOR

 BUSINESS NO
 FB0119
 DATE OF VISIT
 08/11/2023

 SITE NO
 FS0742
 SITE NAME
 Glenfinnan

 CASE NO
 20230505
 INSPECTOR

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

The above site was visited in accordance with the Animals and Animal Products (Examination for Residues and Maximum Residue Limits) (England and Scotland) Regulations 2015.

Samples were taken to be analysed for veterinary residues.

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

Medicine records were inspected and found to be adequately maintained.

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.

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

Signed: Date: 08/11/2023

Fish Health Inspector

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

Issued by: FHI	Date of issue: 12/05/2020
	Date of visit: 07/11/2023
Main Inspec	ctor:
3 4 5	6
eter No:	FHI 045 completed
HI Water type: S	CoGP MA:
N If yes, see additional info	ormation/clinical score sheet. ormation/clinical score sheet. ormation/clinical score sheet.
l visit detail reason below:	
	Main Inspectors  Loch na Droma Buidhe Fass Fern Mussels  4 5  eter No: T306  HI Water type: S  Y If yes, see additional info

Site authorised in August 23. First inspection.

Due to the time of year that authorisation was granted, droppers that had collected spat in April were transferred from Liddesdale (SS0832). Site manager suggested that stock from this site may be moved back to Liddesdale if the stock don't perform well this year being in a slightly higher salinity compared to the companies sites at the head of the loch.

Stock were very clean with next to no fouling, with just the occasional seasquirt and seastar observed on the lines.

FHI 059, Version 13	3		Issu	ed by: FHI			Date of issu	ue: 12/05/2020
Case No:	2023-0506		Site No:	SS0974				
Date of Visit:		07/11/2023	3		Inspector(s):			
Registration/Author	orisation Deta	ails						
1. Business/site det			site representa	ative?			Y	7
2. Changes made t	o details?						N	1
Site Details (includ	de cleaner fis	h for all sect	ions)					
Total No facilities		5	Facilities sto	cked	5	No facilitie	es inspected	5
Species	MED							
Age group	2023							
No Fish	5 ropes							
Mean Fish Wt	46,750kg							
Next Fallow Date (S	Site)	Continuous	production.	Next Input Da	te (Site)	April 24		
Recent (last 4 wks)	disease probl	ems?		N	Any escapes	(since last	visit)?	N/A
If yes, detail:								
Movement Record	ls							
1. Movement record		r inspection?						Y
2. Date of last inspe		.,					First inspec	tion.
3. Are records com		ectly entered?	?					Y
4. Are movement re	•	•		•				N/A
5. Are records com	plete and corre	ectly entered?	?					N/A
6. Are health certific	cates for introd	luctions (outv	vith GB) availa	able?				N/A
Transport Record	s							
1. Are any moveme		t bv (or on be	half) of the bu	usiness (not usi	ing a STB)?			
If yes, is there a sys		• `		· ·				
Mortality Records								
Mortality records		nspection?						N/A
2. How are mortaliti					Other (detail)			
If other detail:	Empty shells		abed.		( ( ) ( )			
3. Mortality records								N/A
4. Recent mortality	(last 4 wks):	·	None observ	ved since stock	æd.			
5. Evidence of rece	nt increased/a	typical morta						N/A
If yes, facility nos/no	o mortality per	facility/no sto	ock per facility	/reason:				
6. Any other peaks	in mortality du	ring period ch	necked?					N/A
If yes, detail:								
7. Have increased (	•	mortalities be	en reported to	o vet or FHI?				N/A
If yes, detail action:		nomed to Elli	O If man and	detelle '	elite avente d			NI/A
8. Have 'mortality e	vents been re	portea to FHI	r 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?		
	_	
Biosecurity Records	<u>_</u>	
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 Scottis	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 notified	d to Scottish Ministers?	Y
5. Has the health status of aquaculture animals being stocked or	n the farm site been covered (equal or higher	Y
health status, certification if required)?		
6. Have the husbandry and biosecurity measures implemented by		Y
transmission of disease been covered (movement of staff, visito		
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	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: First	st Inspection	

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

FHI 059, Version 13	issued by: FHI			Date	or issue: 12
Case Number:	2023-0506 Site No:	SS097	4		
Date of Visit	07/11/2023 Inspector:				
Number of Susceptib	ole species on site				
	ies present = <u>LOW</u> risk			.,	
If susceptible species	present, score for each pathogen		No	Yes	
	Susceptible to Bonamia ostrea (OED)		0	25	0
	Susceptible to Marteilia refringens (OED, MED)		0	3	3
	Susceptible to OsHV (CGI)		0	3	0
Sites within a tidal 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	Frequency of movements off within MSS Management Areas	0	1	2	2
	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	is etc	0	2	2
			Total Risk		12 LOW

Case No:	2023-0506			Date of visit:	07/11/2023			
Site No:	SS0974	1		Inspector:		l		
Results Summary	Freq.			Da	te of Notifica	tion		
	· .	Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Insp
	_							
Poport Summers				1				
Report Summary	Date	Inon	ond I					
Case Type ECI	07/11/2023	Insp	2 <sup>nd</sup> Insp					
LOI	07/11/2023							
	<del> </del>							
	1							

Page 1 of 1



#### SUMMARY FOR INFORMATION OF SITE OPERATOR

**BUSINESS NO SB0406 DATE OF VISIT 07/11/2023** 

SITE NO SS0974 SITE NAME Loch na Droma Buidhe

CASE NO 20230506 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 low. An inspection under the Aquatic Animal Health (Scotland) Regulations 2009 will be conducted every fourth year. The category of the site will be reassessed on a routine basis and updated as required.

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

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

No mortality had been observed on site since the last inspection by Marine Directorate.

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

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

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

Signed:

Date: 07/11/2023

Fish Health Inspector

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

FHI 059, Version 13	Is	sued by: FHI	Date of issue: 12/05/2020
Case No: 2023-0507			Date of visit: 07/11/2023
Time spent on site:	r	Main Inspe	ector:
Site No: SS0918 Business No: SB0406	Site Name: Business Name:	Sron na Saobhaidh Fass Fern Mussels	
Case Types: 1 ECI 2	3	4 5	6
Water Temp (°C): 8.2	Thermometer No:	T306	FHI 045 completed
Observations:	Region: HI	Water type: S	CoGP MA:
Dead/weak/abnormally behaving for Clinical signs of disease observed Gross pathology observed? Diagnostic samples taken?	formation/clinical score sheet. formation/clinical score sheet. formation/clinical score sheet.		
UNI/REG only - if unable to carry of	out intended visit detail r	eason below:	

Droppers were deployed in April 23 to collect spat. Only 1 rope is stocked with this years spat. All other lines on the site are stocked with mussels collected in 2020.

Mussels appeared in good health upon inspection. Some empty shells with no tissue remaining were observed and this has been attributed to predation by seastars. Tube worm fouling was extensive and some sea squirts were also observed on the ropes.

2020 mussels will be harvested this year and sent to SSMG for cleaning, grading and sale for human consumption.

A normal production cycle lasts around 2 years and the site is operated on a continuous cycle. The 2023 spat will be harvested in 2025 and droppers will be deployed in April 24 to collect spat that will be harvested 2026.

No movements on or off the site have taken place since the last inspection, so no records were collected.

FHI 059, Version 13			Issu	ied by: FHI			Date of issue	e: 12/05/2020
Case No:	2023-0507		Site No:	SS0918				
Date of Visit:		07/11/2023	3		Inspector(s):			1
Registration/Author	orisation Deta	ails						
1. Business/site deta			site representa	ative?			Y	1
2. Changes made to	•	•	·				Υ	
Site Details (includ	le cleaner fis	h for all sec	tions)					
Total No facilities		7	Facilities sto	ocked	5	No faciliti	es inspected	7
Species	MED	MED					T .	
Age group	2020	2023						
No Fish	4 ropes	1 rope						
Mean Fish Wt	96,000kg	9500kg						
Next Fallow Date (S		Continuous	production.	Next Input Da	ite (Site)	April 24		
Recent (last 4 wks)	disease probl	ems?		N	Any escapes	(since last	: visit)?	N/A
If yes, detail:								
<ol> <li>Date of last inspeta.</li> <li>Are records compta.</li> <li>Are movement resords compta.</li> <li>Are records compta.</li> <li>Are health certificant remains and records.</li> <li>Are any movement resords.</li> <li>Are any movement resords.</li> <li>Mortality Records.</li> </ol>	plete and corrected available and corrected and corrected for introductions.	le for dead fisectly entered ductions (outvoice to by (or on be	sh and waste?  with GB) available  chalf) of the bu	able? usiness (not us	•		11/11/2019	Y N/A N/A N/A
1. Mortality records	available for i	nspection?						N/A
2. How are mortalities					Other (detail	)		
If other detail:		s fall to the se	eabed.					
3. Mortality records								N/A
4. Recent mortality	(last 4 wks):		None observ	ved since last in	nspection.			
5. Evidence of recer	nt increased/a	itypical morta	lities?					N/A
If yes, facility nos/no	mortality per	facility/no sto	ock per facility	//reason:				
6. Any other peaks i	n mortality du	ring period c	hecked?					N/A
If yes, detail: 7. Have increased (	unexplained)	mortalities he	en reported to	o vet or FHI?				N/A
If yes, detail action:	anoxpiamed)	Thortaining be	on reported t	0 100 01 1 111:				13//
8. Have 'mortality ev	ents' been re	ported to FH	l? If no, enter	details on mort	ality events sl	neet.		N/A

Treatments and Medicines Records	
1. Recent treatments (see comment)?	
If yes, detail:	
If other, detail:	
2. Medicines records available for inspection?	
3. Are records complete and correctly entered?	
4. Are fish in a withdrawal period?	
5. If yes, what treatment(s)?	
If other, detail:	
6. Are medicines stored appropriately?	
Biosecurity Records	
Biosecurity records available for inspection?	V
<ol> <li>Has the manner and frequency of mortality removal, recording and safe disposal been co</li> </ol>	nsidered?
3. Has the manner and period in which the APB will notify Scottish Ministers or veterinary pro-	
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	ce 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	d (equal or higher
health status, certification if required)?	
6. Have the hyphandry and hispacyrity managers implemented between each anidomiclasis	val unit ta minimia
6. Have the husbandry and biosecurity measures implemented between each epidemiologic transmission of disease been covered (movement of staff, visitors, equipment, live or dead for the content of the c	
7. Is documentation available regarding the measures in place to maintain the physical contains the physical c	· · · · · · · · · · · · · · · · · · ·
aquaculture animals held on site?	allillelit of
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: 11/11/2019 - 07/11/2023	

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

FHI 059, Version 13	issued by: FHI			Date	or issue: 12			
Case Number:	2023-0507 Site No:	SS091	8					
Date of Visit	07/11/2023 Inspector:	07/11/2023 Inspector:						
Number of Susceptib	ole species on site							
	ies present = <u>LOW</u> risk			.,				
If susceptible species	present, score for each pathogen		No	Yes				
	Susceptible to Bonamia ostrea (OED)		0	25	0			
	Susceptible to Marteilia refringens (OED, MED)		0	3	3			
	Susceptible to OsHV (CGI)		0	3	0			
Sites within a tidal e	xcursion	1	2-5	>6				
Site contacts	Number of sites holding susceptible species within a tidal excursion	0	2	10	2			
Live shellfish moven	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	Ī							
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	ns etc	0	2	2			
			Total		9			
			Risk		LOW			

Case No:	2023-0507			Date of visit:	07/11/2023			
Site No:	SS0918	1		Inspector:		l		
Results Summary	Freq.			Da	te of Notifica	tion		
	· .	Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Insp
	_							
Poport Summary				1				
Report Summary	Date	Inon	and I.e.					
Case Type ECI	07/11/2023	Insp	2 <sup>nd</sup> Insp					
LOI	07/11/2023							
	<del> </del>							
	1							



#### SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS No SB0406 DATE OF VISIT 07/11/2023

SITE NO SS0918 SITE NAME Sron na Saobhaidh

CASE NO 20230507 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 low. An inspection under the Aquatic Animal Health (Scotland) Regulations 2009 will be conducted every fourth year. The category of the site will be reassessed on a routine basis and updated as required.

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

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

No mortality had been observed on site since the last inspection by Marine Directorate .

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

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

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

Signed:

Fish Health Inspector

Date: 16/11/2023

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

FHI 059, Version 13	Issue	ed by: FHI	Date of issue: 12/05/2020			
Case No: 2023-0508			Date of visit: 02/11/2023			
Time spent on site:	Hours	Main Inspecto	r:			
Site No: FS0648 Business No: FB0235	Site Name: Business Name:	Ardtaraig Hatchery Cooke Aquaculture (Freshwate	er) Ltd			
Case Types: 1 ECI 2	CNI 3 VMD	4 5	6			
Water Temp (°C): 6.7	Thermometer No:	T309	FHI 045 completed N/A			
Observations:	Region: ST	Water type: F	CoGP MA:			
Dead/weak/abnormally behaving fish present?  Clinical signs of disease observed?  Gross pathology observed?  Diagnostic samples taken?  N If yes, see additional information/clinical score sheet.  N If yes, see additional information/clinical score sheet.  N If yes, see additional information/clinical score sheet.						
UNI/REG only - if unable to carry	out intended visit detail reas	son below:				

Ardtaraig Hatchery is currently made up of four units, an incubation unit (Comp Hatch), Unit A, B, C and F which are all fry/ongrowing units. Units A, C and F are currently stocked with 2024 S1 fish from Benchmark Genetics, Iceland. Fish have performed well this cycle, mortality has remained low throughout the duration of this production cycle.

From the physical inspection of the site, fish were observed as being very active and shoaling well. No clinical signs of disease were observed during the inspection.

Fish removed for VMD sampling were health both internally and externally.

FHI 059, Version 13			Issu	ed by: FHI			Date of issu	e: 12/05/2020
Case No:	2023-0508		Site No:	FS0648				
Date of Visit:		02/11/2023	3		Inspector(s):			
Registration/Autho	risation Deta	ails						
1. Business/site deta			ite representa	ative?			Y	1
2. Changes made to	•						N	j
Site Details (includ	e cleaner fis	h for all sect	ions)					
Total No facilities		39	Facilities sto	cked	21	No facilities	s inspected	39
Species	SAL							
Age group	2024 S1							
No Fish	330,406							
Mean Fish Wt	40g							
Next Fallow Date (Si	ite)	Never Fallow	V	Next Input Da	ite (Site)	December	2024	
Recent (last 4 wks)	disease probl	ems?		N	Any escapes	(since last v	visit)?	N
If yes, detail:								
Movement Records	s							
1. Movement records	s available fo	r inspection?						Y
2. Date of last inspec							02/11/2021	
3. Are records comp	lete and corre	ectly entered?	<b>?</b>					Y
4. Are movement red	cords availab	e for dead fis	h and waste?					Y
5. Are records comp	lete and corre	ectly entered?	<u>}</u>					N/A
6. Are health certification	ates for introd	luctions (outw	<i>i</i> ith GB) availa	able?				Y
Transport Records								
1. Are any movemen	nts carried ou	t by (or on bel	half) of the bu	ısiness (not usi	ing a STB)?			N
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 mortalities	es disposed o	f?			Incinerated -	on site		
If other detail:								
3. Mortality records of	complete and	correctly enter						Y
4. Recent mortality (	last 4 wks):		Week 43 (39 (497, 0.08%)	9, 0.01%), Wee	ek 42 (47, 0.01	1%), Week 4	11 (177, 0.05°	%), Week 40
5. Evidence of recen	` ,	typical mortal		)				N
If yes, facility nos/no		•		/reason:				
, , , , , ,	, ,							
6. Any other peaks in	n mortality du	ring period ch	necked?					Y
If yes, detail:	2023 Week	24 - 1.05% 3,	272, mortality	post vaccination	on			
7. Have increased (u								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	neet.		N/A

Treatments and Medicines Records							
1. Recent treatments (see comment)?	Y						
If yes, detail: Aquacen (formalin)							
If other, detail: Cress							
Medicines records available for inspection?	Y						
3. Are records complete and correctly entered?	Y						
4. Are fish in a withdrawal period?	Y						
	Aquacen (Formalin)						
If other, detail: Cress							
6. Are medicines stored appropriately?	Y						
Biosecurity Records							
Biosecurity records available for inspection?	Y						
2. Has the manner and frequency of mortality removal, recording and safe disposal been considered?							
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 prese	nce or suspicion of the presence of a listed disease						
is detected been included and how and when that will be noti	ified to Scottish Ministers?						
5. Has the health status of aquaculture animals being stocked	d on the farm site been covered (equal or higher						
health status, certification if required)?							
6. Have the husbandry and biosecurity measures implemente	ed between each epidemiological unit to minimise						
transmission of disease been covered (movement of staff, vis	sitors, equipment, live or dead fish etc.)?						
7. Is documentation available regarding the measures in place	e to maintain the physical containment of						
aquaculture animals held on site?							
8. Have the biosecurity procedures been adequately impleme	ented 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?	Y						
3. Any significant results?	N						
If yes, detail (if not detailed under recent disease problems).							
	<u> </u>						
Records checked between:	02/11/2021 - 02/11/2023						

٠.	11 009, VEISIOII 13							100	ueu by.	1 11			
	Case no:	2023-05	508	Site No		FS0648			Date of Samplin		02/1	1/2023	02/
	Priority samples:	VI		ВА		PA	=	MG	Samplin	g. HI			
	Time sampling starts/ends:	10:3	0:00	11:0	0:00		Inspecto	or:			VMD No	. [	10
	Environmental conditions:	1	Indoors	2		3		4		5			
	Summary samples	HIST		ВА		MG		VI		PA		Total Sa	mples
A	dd Fish/Pools - click												
	Pool/Fish No												
	Fish nos	1-3	4-6	7-10	11-13	14-16							
	Pool Group												
	Species	SAL	SAL	SAL	SAL	SAL							
	Average weight	40g	40g	40g	40g	40g							
	Sex	N/a		N/a	N/a	N/a							
	Water Type	FW	FW	FW	FW	FW							
Stock Details		Benchmark Genetics, Iceland	Benchmark Genetics, Iceland	Benchmark Genetics, Iceland	Benchmark Genetics, Iceland	Benchmark Genetics, Iceland							
St	Facility No	C1	C2	C3	C4	C5							

11/2023 Additional Sample Information:													
0 Total Tests assigned 0													

FHI 059, Version 13		Issued by: FHI			Date of	of issue	: 12/05/2020
Case Number:	2023-0508		Site No:	FS0648		Insp:	
Date of Visit	02/11/2023		No of m	ovements/s	supp./dest.		Score
Live fish movements			0	1-5	6-10	>10	
Movements on (from out	Frequency of m	novements on from equivalent MS	0	5	10	14	5
with GB) of susceptible species		novements on from equivalent zone or acluding third country	0	9	18	26	
•	Number of sup		0			14	5
Movements off	Frequency of m		0	3	6	10	10
Movements on	Number of dest		0			10	3
Exposure via water		Site contacts	0	1-5	6-10		
Water contacts with other farms (holding species	Farm is protect disinfection or b	ed (secure water supply through porehole)	0				
susceptible to same diseases)	farms upstream	or in a coastal zone with category I or within 1 tidal excursion	1	2	4		1
	farms upstream	or in a coastal zone with category III or within 1 tidal excursion	1	3	6		
		or in a coastal zone with category V or within 1 tidal excursion	1	4	8		
Management practices			None	Secure	Unsecure		
Water contacts with processors	Any processing	plant discharging into adjacent waters	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				
		from Category III farm	8				
	Processing fish	from Category V farm	10				
Disposal of fish and fish by-	Site's own was	e only processed.	0	]			0
products	Common proce	sses with other farms	3				
	Collection point	for waste from other farms	5				
Use of unpasteurised feeds	No feeding of u	npasteurised feed	0	1			0
	Feeding unpas	teurised feed	5				
Biosecurity		Number of sites	1	2 or 3	≥ 4		
Contacts with other sites	Sites operating	from single shorebase	0	1	2		0
	Sites sharing st	aff and equipment	0	1	2		0
Disinfection of equipment	Yes		0				0
between sites, use of footbaths etc	No		1				
CoGP/Regulator							
Practices in accordance	Yes		0				0
with regulator or industry code of practice	No		3				
Diatform access to access	IVos			1			
Platform access to cages	Yes No		0				0
	1.40			J			
					Total		24
					Rank		MEDIUM

Site No: FS0648

Case No: 2023-0508

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

Case No:	2023-0508			Date of visit:	02/11/2023					
Site No:	FS0648	1		Inspector:		ı				
Results Summary	Freq.			Date of Notification						
	·	Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Insp		
			=							
	+									
	+									
	1									
	+									
	+									
Report Summary				1						
Case Type	Date	Insp	2 <sup>nd</sup> Insp							
Case Type ECI, CNI, VMD	06/11/2023									
	+									
	†									



#### SUMMARY FOR INFORMATION OF SITE OPERATOR

**BUSINESS NO** FB0235 **DATE OF VISIT** 02/11/2023

SITE NO FS0648 SITE NAME Ardtaraig Hatchery
CASE NO 20230508 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.

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

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

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

Medicine records were inspected and found to be adequately maintained.

Samples were taken to be analysed for veterinary residues.

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

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

On this occasion the site was found to be satisfactory.

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

Signed:

Fish Health Inspector

Date: 06/11/2023

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

FHI 059, Version 13		Issued by: FHI	Date of issue: 12/05/2020					
Case No: 2023-0509			Date of visit: 02/11/2023					
Time spent on site:	Hour	Main Inspect	or:					
Site No: SS0759 Business No: SB0530	Site Name: Business Name:	Fearna Loch Striven Mussel Farms Li	td					
Case Types: 1 ECI 2	2 3	4 5	6					
Water Temp (°C): 11	Thermometer No:	T309	FHI 045 completed N/A					
Observations:	Region: ST	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.  N  If yes, see additional information/clinical score sheet.  N  N  N								
UNI/REG only - if unable to carry out intended visit detail reason below:								

The site is currently stocked with 30 200m longlines with 10m down ropes stocked with natural spat mussels. Fearna has two year classes currently onsite, 2021 and 2022. The site is in the process of trying to arrange an export of musscle seed from their 2022 stock to Northern Ireland (Belfast Lough) and is awaiting permissions from DEARA before the movement is to take place. If permissions are granted, the site will export 15 lines of their 2022 stock in December 2023. If permission is not granted, the site plans to on grow this stock to harvest at full size in late 2024 or early 2025.

A varied level of marine fouling was observed within the top meter of stocked ropes for both year classes of stock. Sea squirts, urchins and star fish were observed in small numbers. Some tube worm was observed on the 2021 stock. No open shells or signs of any mortality of the stocks was observed during the inspection.

FHI 059, Version 13	<b>;</b>	Issued by: FHI					Date of issue: 12/05/2020			
Case No:	2023-0509		Site No:	SS0759	]					
Date of Visit:		02/11/2023	3		Inspector(s):	:				
Registration/Author	orisation Det	ails								
1. Business/site deta			site representa	ative?			Υ			
2. Changes made to	o details?						N			
Site Details (includ	de cleaner fis	sh for all sect	tions)							
Total No facilities		30	Facilities sto	ocked	30	No facili	ities inspected	30		
Species	MED	MED								
Age group	2021	2022								
No Fish	15 Lines	15 Lines								
Mean Fish Wt	50mm	30mm								
Next Fallow Date (S	•	Never Fallov	N	Next Input Da	_ ` ′	N/a				
Recent (last 4 wks)	disease prob	lems?		N	Any escapes	s (since las	st visit)?	N/A		
If yes, detail:										
Movement Records										
Movement record		or inspection?						Y		
2. Date of last inspe		i irispection:					06/12/2021			
3. Are records comp		ectly entered	2				00/12/2021	Y		
4. Are movement re		•		,				N/A		
5. Are records comp								N/A		
6. Are health certific		•		able?				N/A		
O. Allo Hodili Jorano	atoo for intro-	Judiono (out.	vitin OB, avail.	abio:						
Transport Records	3									
1. Are any movemen		it by (or on be	half) of the bu	usiness (not us	ing a STB)?					
If yes, is there a sys					-					
Mortality Records	available for	nanaction?						N/A		
1. Mortality records		•			Other (detail	1)		IN//		
2. How are mortalitied of their detail:					Other (detail	)				
3. Mortality records		s fall to seaflo						N/A		
3. Mortality records	Complete and	Correctly em		d mortality has	hoon observ	ad ansite (	since the date o			
4. Recent mortality (	(last 4 wks):		inspection.	u mortality has	Deen Observe	Bu unaite a	since the date o	ii last		
5. Evidence of recer		atvoical morta						N/A		
If yes, facility nos/no		• •		//reason:						
6. Any other peaks i	in mortality du	iring period cl	necked?					N/A		
If yes, detail:										
7. Have increased (	unexplained)	mortalities be	en reported to	o vet or FHI?				N/A		
If yes, detail action:										
8. Have 'mortality ev	vents' been re	ported to FH	? If no, enter	details on mort	tality events s	heet.		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 disease	
is detected been included and <i>how</i> and <i>when</i> that will be notified to Scottish Ministers?	Y
5. Has the health status of aquaculture animals being stocked on the farm site been covered (equal or higher	Y
health status, certification if required)?	
6. Have the hyphandry and hispacyrity magazine implemented between each enidemiclasical unit to minimize	
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.)?	<u> </u>
7. Is documentation available regarding the measures in place to maintain the physical containment of	N/A
aquaculture animals held on site?	14/71
8. Have the biosecurity procedures been adequately implemented on site?	$\overline{}$
If no, detail:	<u> </u>
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).	
Records checked between: 06/12/2023	

FHI 059, Version 13	Issued by: FHI			Date	of issue: 12
Case Number:	2023-0509 Site No:	SS075	9		
Date of Visit	02/11/2023 Inspector:			i i	
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	2
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		40	00	
	compartment including third country  Number of suppliers	0	10 5	20 10	0
	Number of suppliers	U	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	3
	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	2
	Depuration of stock from other businesses sites within MSS management area	0	2	6	2
	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	ıs etc	0	2	2
			Total Risk		19 MEDIUM

Case No:	2023-0509	7		Data of vi	sit: 02/11/20	123				
Case No.	2023-0009	J		Date of VI	SIL. 02/11/20	023				
Site No:	SS0759 Inspector:									
Results Summary	Freq.	Date of Notification								
		Database	e Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> In		
		1								
		1								
Report Summary										
Case Type	Date	Insp	2 <sup>nd</sup> Insp							
ECI	02/11/2023	3								
	+									



#### SUMMARY FOR INFORMATION OF SITE OPERATOR

 Business No
 SB0530
 Date of Visit
 02/11/2023

 Site No
 SS0759
 Site Name
 Fearna

 Case No
 20230509
 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.

No mortality had been observed on site since the last inspection by Marine Directorate.

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

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

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

Signed:

Fish Health Inspector

Date: 30/11/2023

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

FHI 059, Version 13		Issued by: FHI	Date of issue: 12/05/2020					
Case No: 2023-0510			Date of visit: 22/11/2023					
Time spent on site:	Hours	Main Ins	spector:					
Site No: FS1086 Business No: FB0169	Site Name: Business Name:	Geocrab Incubation Hatc Bakkafrost Scotland	hery					
Case Types: 1 ECI 2	2 CNI 3	4 5	6					
Water Temp (°C): 6	Thermometer No:	Site	FHI 045 completed N/A					
Observations:	Region: WI	Water type: F	CoGP MA:					
Dead/weak/abnormally behaving Clinical signs of disease observed Gross pathology observed? Diagnostic samples taken?	· ·	N If yes, see additional information/clinical score sheet. N If yes, see additional information/clinical score sheet. N If yes, see additional information/clinical score sheet. N						
UNI/REG only - if unable to carry out intended visit detail reason below:								

Site stocked 28th September 2023 with 823,580 eggs from Bencumark Genetics, Iceland. The stock have performed well since input with very little mortality being observed on site.

From the physical inspection of the stock, no clinical signs of disease were observed. Eggs have started to hatch, all alvins observed appeared healthy and were observed moving actively within the trays.

Site thermometer used for biosecurity reasons.

FHI 059, Version 13		_	Issu	ed by: FHI	_		Date of issue	e: 12/05/2020
Case No:	2023-0510		Site No:	FS1086				
Date of Visit:		22/11/2023	3		Inspector(s):			
Registration/Autho	risation Deta	nils						
1. Business/site deta	ails summary	checked by s	site representa	ative?			Υ	
2. Changes made to	details?						N	
Site Details (includ	le cleaner fis	h for all sect	tions)					
Total No facilities		1	Facilities sto	cked	1	No facilitie	es inspected	1
Species	SAL							
Age group	2024 Q3							
No Fish	823,530							
Mean Fish Wt	0.12g							
Next Fallow Date (S		12/2023		Next Input Da		09/2024		
Recent (last 4 wks)	disease probl	ems?		N	Any escapes	s (since last	visit)?	N
If yes, detail:								
Movement Records 1. Movement record 2. Date of last inspe 3. Are records comp 4. Are movement re 5. Are records comp 6. Are health certific  Transport Records 1. Are any movement If yes, is there a system	s available for ction: blete and corre cords available blete and corre ates for introd	ectly entered le for dead fis ectly entered luctions (outv	? sh and waste? ? with GB) availa ehalf) of the bu	able? usiness (not usi	_		22/11/2023	Y Y Y Y Y N/A
<b>Mortality Records</b>								
1. Mortality records a	available for ir	nspection?						Y
2. How are mortalities disposed of? Ensiled - on site								
If other detail: Ensiled waste removed by Billie Bowie.								
3. Mortality records complete and correctly entered?						Y		
4. Recent mortality (last 4 wks): 3780, 0.46 % since 28/09/2023								
5. Evidence of recent increased/atypical mortalities?						N		
If yes, facility nos/no	mortality per	facility/no sto	ock per facility	/reason:				
6. Any other peaks i	n mortality du	ring period cl	hecked?					N
If yes, detail:	un averlaire a -1\	mortalitics I	on reported t	Not or FLUO				NI/A
7. Have increased (u	unexplained) i	nortalities be	en reported to	vet of FHI?				N/A
If yes, detail action:	onto! hoon re	ported to EU	12 If no onto-	dotaile on mart	ality ayanta al	hoot		N/A
8. Have 'mortality ev	rents been re	ported to FHI	r ii no, enter	uetalis on mon	anty events si	neet.		IN/A

Treatments and Medicines Records	
1. Recent treatments (see comment)?	Y
If yes, detail: Buffidine	
If other, detail:	
2. Medicines records available for inspection?	Y
3. Are records complete and correctly entered?	Y
4. Are fish in a withdrawal period?	N
5. If yes, what treatment(s)?	
If other, detail:	
6. Are medicines stored appropriately?	Y
Biosecurity Records	
1. Biosecurity records available for inspection?	Y
2. Has the manner and frequency of mortality removal, recording and safe disposal been considered?	Y
3. Has the manner and period in which the APB will notify Scottish Ministers or veterinary professional of any	
increased (unexplained) mortality at the site been included?	Y
4. Has the action that will be taken in the event that the presence or suspicion of the presence of a listed disea	se
is detected been included and how and when that will be notified to Scottish Ministers?	Y
5. Has the health status of aquaculture animals being stocked on the farm site been covered (equal or higher	Y
health status, certification if required)?	
6. Have the husbandry and biosecurity measures implemented between each epidemiological unit to minimise	Y
transmission of disease been covered (movement of staff, visitors, equipment, live or dead fish etc.)?	
7. Is documentation available regarding the measures in place to maintain the physical containment of	Y
aquaculture animals held on site?	
8. Have the biosecurity procedures been adequately implemented on site?	Y
If no, detail:	
Results of Surveillance	
1. Has any animal health surveillance been carried out by, or on behalf of, the business?	Y
2. If yes, are results available for inspection?	Y
3. Any significant results?	N
If yes, detail (if not detailed under recent disease problems).	
Records checked between: 22/11/2023 - 22/11/2023	

FHI 059, Version 13		Issued by: FHI			Date o	of issue	: 12/05/2020
Case Number:	2023-0510		Site No:	FS1086		Insp:	
Date of Visit	22/11/2023		No of m	ovements/s	supp./dest.		Score
Live fish movements			0	1-5	6-10	>10	
Movements on (from out	Frequency of m	ovements on from equivalent MS	0	5	10	14	5
with GB) of susceptible species		ovements on from equivalent zone or	0	9	18	26	0
	Number of supp	cluding third country	0		10	14	5
Manager 2015							2
Movements off	Frequency of m Number of dest		0		6	10 10	3
Exposure via water	Trambor or door	Site contacts			6-10		
Water contacts with other farms (holding species	Farm is protect disinfection or b	ed (secure water supply through porehole)	0				0
susceptible to same diseases)		or in a coastal zone with category I or within 1 tidal excursion	1	2	4		
	farms upstream	or in a coastal zone with category III or within 1 tidal excursion	1	3	6		
		or in a coastal zone with category V or within 1 tidal excursion	1	4	8		
Management practices			None	Secure	Unsecure		
Water contacts with processors	Any processing	plant discharging into adjacent waters	0	1	2		0
On farm processing within the rules of the directive	No on farm pro		0				0
	Processing owr	n fish (re-cycling risk)	1				
	Processing fish	from MS of equivalent status	2	1			
	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	e only processed.	0	1			
products	Common proce	sses with other farms	3				3
	Collection point	for waste from other farms	5				
Use of unpasteurised feeds	No feeding of u	npasteurised feed	0	, ]			0
Too or anpastounous roods	Feeding unpast	·	5				
Biosecurity		Number of sites	1	J 2 or 3	≥ 4		
Contacts with other sites	Sites operating	from single shorebase	0	1	2		1
	Sites sharing st	aff and equipment	0	1	2		0
Disinfection of equipment between sites, use of	Yes		0				0
footbaths etc	No		1				
CoGP/Regulator				_			
Practices in accordance with regulator or industry	Yes		0				0
code of practice	No		3				
Platform access to cages	Yes		0				0
	No		2				
					Total		20
					Rank		MEDIUM

FHI 059, Version 13	Issued by: FHI	Date of issue: 12/05/2
Case No: 2023-0510	Site No:	FS1086
Sea Lice Inspection (Seawater Sites Only)		
Has the site experienced sea lice problem		
	equivalent) fallowed synchronously on a single	year class basis?
3. Does the site have access to a range of lice	cenced in-feed and bath sea lice medications (in well as access to suitable biological and/or me	ncluding deltamethrin,
4. Is there a signed documented farm management Area (or equivalent)?	gement agreement or statement relevant to the	site and CoGP Farm
<ul><li>5. Are sea lice count records available for ins</li><li>6. Do records adequately reflect the required</li></ul>	spection? (Legal SSI, CoGP Annex 6) I standard specified in the SSI and the CoGP? (	(Legal SSI, CoGP Annex 6)
7. Are sea lice ( <i>L. salmonis</i> ) record levels be records are inspected? (CoGP Annex 6)	elow the suggested criteria for treatment in the 0	CoGP during the period that
8. Have average adult female sea lice ( <i>L. sa.</i> 2 or above (from w/b 10/6/19) during the peri	Imonis) numbers per fish been at a level of 3 or iod that records are inspected?	above (prior to w/b 10/6/19) or
•	Health Inspectorate? If no, FHI see comment.  n is considered to cause significant welfare prob	olems? (CoGP 4.3.81, 5.3.50)
	nistered or other actions taken when <i>L. salmonis</i> elongatus is considered to have welfare implications.	
11. Has any other action been taken (where	applicable)?	
12. Have therapeutic treatments or the action	ns taken had a significant impact upon the lice I	evels recorded?
13. Are treatments, where conducted, carried	d out in cooperation between participating farms	s?
14. Is there a harvesting strategy for the site, sea lice?	, where fewer populations or part populations a	re held without treatment for
15. Is there a site specific written lice manag scenarios during the escalation of a sea lice	ement procedure with waypoints describing set infestation?	actions to deal with recognised
16. Do the sea lice levels observed on stocks	s reflect sea lice count data? If no please detail	reasons.
Containment Inspection	and due to produtere in the current or provious	are dustion evalue?
	age due to predators in the current or previous p	-
Pest control - Rent - O - Kill.	the predation experienced on site? (Detail belo	w)
If other, detail below:		
2. Hove easens incidents or events been ev	received an artist the visibility of the cite since t	he last FUL increation?
•	reperienced on or in the vicinity of the site since t	he last FHI inspection?
If Yes proceed with questions 4 – 9. If No ski 4. Have these been reported to Scottish Mini		
·	orthwith (where they exist)? (CoGP - 4.4.37, 5	4 17)
·	nd local fisheries trusts forthwith (where they exi	,
7. Were methods (if any) used to recover esc	capees? If yes give detail	
	agreed with local wild fish interests and was per	mission given by Scottish
Ministers? (Legal, CoGP – 4.4.38, 5.4.18) 9. What action was taken to prevent and min	nimise the risk of further escapes? (Not covered	in code but could
be considered under satisfactory measu	ures of the Act)	
10. Is the site inspected as satisfactory with i	regards to containment? If no, please detail rea	son(s) Y

Date of issue: 12/05/2020

•	2222.274	-								
Case No:	2023-0510	J		Date of v	isit: 22/11/20	023				
Site No:	FS1086			Inspec	tor:					
Results Summary	Freq.	Database	e Insp	Phone	Date of Noti	Writing	Insp	and Image		
		Databas	шэр	THOTIC	ШЭР	witting	ШЭР	2 <sup>nd</sup> Insp		
				_	_					
Report Summary				7						
Case Type	Date	Insp	2 <sup>nd</sup> Insp							
ECI, CNI	30/11/2023	3								

# FISH HEALTH INSPECTORATE VISIT REPORT

### SUMMARY FOR INFORMATION OF SITE OPERATOR

**BUSINESS No** FB0169 **DATE OF VISIT** 22/11/2023

SITE NO FS1086 SITE NAME Geocrab Incubation Hatchery

CASE NO 20230510 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.

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

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

## Inspection under the 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.

R04



Fish Health Inspector

Date: 30/11/2023

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

FHI 059, Version 13	Issue	ed by: FHI	Date of issue: 12/05/2020
Case No: 2023-0513			Date of visit: 08/11/2023
Time spent on site:	hours	Main Inspecto	r:
Site No: FS1362 Business No: FB0169	Site Name: Business Name:	Applecross Smolt Unit 2 Bakkafrost Scotland	
Case Types: 1 ECI 2	2 CNI 3 VMD	4 5	6
Water Temp (°C): 12	Thermometer No:	T172	FHI 045 completed
Observations:	Region: HI	Water type: F	CoGP MA:
Dead/weak/abnormally behaving Clinical signs of disease observed Gross pathology observed? Diagnostic samples taken?	•	N If yes, see additional infor	mation/clinical score sheet. mation/clinical score sheet. mation/clinical score sheet.
UNI/REG only - if unable to carry	out intended visit detail reas	son below:	

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

Toxic ammonia issue in 26/07/23 - 01/08/23 caused by a blocked waste discharge pipe. Approx. 213,000 fish (31%) lost in total. Facility had been open for 2 months before issue and this was the first batch of fish on site. The blockage was caused by a foreign object being dropped. The pipe now has a grate over it to stop anything similar happening in the future. The pipe was unblocked asap and fish transferred to sea.

Prior to toxicity issue, mortality was increased due to salinity supply issue on site. This increased Saprolegnia and approx. 21,000 fish lost (2.3%). The salinity supply issue has since been rectified. The fish were sent to Tarbert South. Veterinary approval received to transfer the fish to sea.

Ongrowing 1 to be stocked in December 2023. Ongrowing 2 to be stocked in Q3 2024 (approx.)

Salinity can be increased post vaccination if health issues arise. Background salinity kept at 2ppt and raised to 5ppt to treat minor issues such as fungus post treatment.

Fish smoltification slowed artificially by controlling light exposure and temperature. Temp is kept at a constant 12 degrees C. Before transfer to sea, light exposure to be increased.

FHI 059, Version 13		Issu	ued by: FHI			Date of issue	e: 12/05/2020
Case No:	2023-0513	Site No:	FS1362	]			
Date of Visit:	08/11/20	023		Inspector(s):			I
Registration/Autho	risation Details						
_	ails summary checked b	y site represent	ative?			Y	
2. Changes made to						N	1
•	e cleaner fish for all s						
Total No facilities	4	Facilities sto	ocked	4	No facilities	s inspected	4
Species	SAL						
Age group	Q1 2023						
No Fish	964,000						
Mean Fish Wt	80g						
Next Fallow Date (Si		5	Next Input Da	_ ` ′	Jan 2024		
Recent (last 4 wks)	disease problems?		N	Any escapes	(since last v	visit)?	N
If yes, detail:							
Movement Records							
	s available for inspectio	in?					Y
2. Date of last inspec	•	""				31/05/2023	
·	elete and correctly enter	ed?				31/00/2020	Y
·	cords available for dead		?				Y
	elete and correctly enter						Y
	ates for introductions (o		able?				N/A
<b>Transport Records</b>							
-	nts carried out by (or on			-			N
If yes, is there a syst	tem in place for mainter	nance of transpo	ortation records?	?			
<b>Mortality Records</b>							
•	available for inspection?	<b>&gt;</b>					Y
2. How are mortalitie	•			Biogas - Bark	kip		
If other detail:							
3. Mortality records of	complete and correctly	entered?					Y
4. Recent mortality (	last 4 wks).	3,819 (0.39° rectified	%) fish. Mainly (	due to a trans	port issue. T	his issue has	s since be
							Y
5. Evidence of recent increased/atypical mortalities?  If yes, facility nos/no mortality per facility/no stock per facility/reason:							
•	o a transport issue in o			on why that tr	ansport resi	ulted in highe	r mortality
	r transport operations w			•	•		
	st transfer. Mortality now				geri eribea	r was on. Dis.	ogiot oati no
	n mortality during period		g				Y
If yes, detail:	See additional informa						
7. Have increased (u	unexplained) mortalities		o vet or FHI?				Y
		HI notified. Dec		vet to transfer	fish to sea a	after fungus a	nd toxicity
If yes, detail action:	issues.						
8 Have 'mortality ev	ents' been reported to l	HI? If no enter	details on mort	ality events sh	neet		Y

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
Diagoniilus Dooguda		
Biosecurity Records	_	V
Biosecurity records available for inspection?	and an additional C	Y
2. Has the manner and frequency of mortality removal, recording and safe disposal I	_	1
3. Has the manner and period in which the APB will notify Scottish Ministers or veter	inary professional of any	
increased (unexplained) mortality at the site been included?	L	'
4. Has the action that will be taken in the event that the presence or suspicion of the	•	
is detected been included and <i>how</i> and <i>when</i> that will be notified to Scottish Minister.		
5. Has the health status of aquaculture animals being stocked on the farm site been health status, certification if required)?	covered (equal of higher	'
ricaliti status, certification ii requireu):		
6. Have the husbandry and biosecurity measures implemented between each epider	miological unit to minimise	Y
transmission of disease been covered (movement of staff, visitors, equipment, live of		•
7. Is documentation available regarding the measures in place to maintain the physic	· · · · · · · · · · · · · · · · · · ·	Y
aquaculture animals held on site?	par containment of	
8. Have the biosecurity procedures been adequately implemented on site?	г	Y
If no, detail:		
.,		
Results of Surveillance		
1. Has any animal health surveillance been carried out by, or on behalf of, the busine	ess?	Y
2. If yes, are results available for inspection?		Y
3. Any significant results?	-	N
If yes, detail (if not detailed under recent disease problems).		
Records checked between: 10/07/2023 - 08/11/202	23	

Priority samples:   VI	
Priority samples:         VI         BA         PA         MG         HI           Time sampling starts/ends:         13:00:00         14:00:00         Inspector:         VMD           Environmental conditions:         1 Indoors         2         3         4         5           Summary samples         HIST         BA         MG         VI         PA           Add Fish/Pools - click           Pool/Fish No         I-16         17-32         33-52         53-69         POOL/Fish No         POOL/Fish No         POOL/Fish No         Species         SAL         SAL <td< td=""><td>08/11/2023 08/</td></td<>	08/11/2023 08/
Starts/ends:   Environmental conditions:   1   Indoors   2   3   4   5	
Summary samples         HIST         BA         MG         VI         PA           Add Fish/Pools - click           Pool/Fish No	No. 17
Add Fish/Pools - click           Pool/Fish No	ַ
Pool/Fish No	Total Samples
Fish nos         1-16         17-32         33-52         53-69           Pool Group         Species         SAL         SAL         SAL           Average weight         80g         80g         80g           Sex         Water Type         FW         FW         FW	
Pool Group  Species SAL SAL SAL SAL  Average weight 80g 80g 80g  Sex  Water Type FW FW FW FW	
Species SAL SAL SAL SAL SAL SAL Average weight 80g 80g 80g 80g Sex Water Type FW FW FW FW	
Average weight 80g 80g 80g 80g Sex Water Type FW FW FW	
Sex Water Type FW FW FW	
Water Type FW FW FW	
atchery atchery atchery	
Stock Details Couldoran hatchery FS0301 Couldoran hatchery FS0301 FS0301  Couldoran hatchery FS0301  Couldoran hatchery FS0301  Couldoran hatchery FS0301  A gradual strength of the strength	

11/2023	1/2023 Additional Sample Information:										
0	1	Total To	ests ass	igned	0						

FHI 059, Version 13		Issued by: FHI			Date	of issue	: 12/05/2020		
Case Number:	2023-0513		Site No:	FS1362		Insp:			
Date of Visit	08/11/2023		No of m	No of movements/supp./dest.					
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			
21 - 2 - 2	Number of sup	ocluding third country	0			14	0		
Movements off	Frequency of m		<u> </u>	3		10	3		
Movements on	Number of des		0			10	3		
Exposure via water		Site contacts	0	1-5	6-10				
Water contacts with other farms (holding species	Farm is protect disinfection or l	ed (secure water supply through porehole)	0						
susceptible to same diseases)		or in a coastal zone with category I or within 1 tidal excursion	1	2	4		1		
	farms upstream	or in a coastal zone with category III or within 1 tidal excursion	1	3	6				
		or in a coastal zone with category V n or within 1 tidal excursion	1	4	8				
Management practices			None	Secure	Unsecure				
Water contacts with processors	Any processing	plant discharging into adjacent waters	0	1	2		0		
On farm processing within the rules of the directive	No on farm pro	cessing	0				0		
the rules of the directive	Processing own	n fish (re-cycling risk)	1						
	Processing fish	from MS of equivalent status	2						
	Processing fish equivalent state	from zone or compartment of us	4						
		from Category III farm	8						
	Processing fish	from Category V farm	10						
Disposal of fish and fish by-	Site's own was	te only processed.	0						
products	Common proce	esses with other farms	3				3		
	Collection poin	t for waste from other farms	5						
Use of unpasteurised feeds	No feeding of u	npasteurised feed	0	Ī			0		
	Feeding unpas	teurised feed	5						
Biosecurity		Number of sites	1	2 or 3	≥ 4				
Contacts with other sites	Sites operating	from single shorebase	0	1	2		2		
	Sites sharing s	taff and equipment	0	1	2		2		
Disinfection of equipment	Yes		0				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			1					
Tallotti access to cages	No		2	-			U		
				J					
					Total Rank		LOW		

FHI 059, Version 13	Issued by: FHI	Date of issue: 12/05/2020
Case No: 2023-0513	Site No	p: FS1362
Sea Lice Inspection (Seawater Sites Only)		
Has the site experienced sea lice problems	s in the previous 4 years?	
2. Is the CoGP Farm Management Area (or e	equivalent) fallowed synchronously on a single	le year class basis?
3. Does the site have access to a range of lice	enced in-feed and bath sea lice medications	(including deltamethrin,
azamethiphos and emamectin benzoate) as can these be deployed in a reasonable period		nechanical control measures, and
4. Is there a signed documented farm manag Management Area (or equivalent)?	ement agreement or statement relevant to th	e site and CoGP Farm
<ul><li>5. Are sea lice count records available for ins</li><li>6. Do records adequately reflect the required</li></ul>		? (Legal SSI, CoGP Annex 6)
7. Are sea lice ( <i>L. salmonis</i> ) record levels be records are inspected? (CoGP Annex 6)	low the suggested criteria for treatment in the	e CoGP during the period that
8. Have average adult female sea lice ( <i>L. sal</i> 2 or above (from w/b 10/6/19) during the period		or above (prior to w/b 10/6/19) or
If yes, have these been reported to the Fish I	Health Inspectorate? If no, FHI see comment.	
9. Is C. elongatus infestation at a level which	is considered to cause significant welfare pr	oblems? (CoGP 4.3.81, 5.3.50)
10. Have therapeutic treatments been adminisuggested criteria for treatment or where <i>C.</i> e		
11. Has any other action been taken (where a	applicable)?	
12. Have therapeutic treatments or the action	s taken had a significant impact upon the lice	e levels recorded?
13. Are treatments, where conducted, carried	lout in cooperation between participating farm	ms?
14. Is there a harvesting strategy for the site, sea lice?	where fewer populations or part populations	are held without treatment for
15. Is there a site specific written lice manage scenarios during the escalation of a sea lice in		et actions to deal with recognised
16. Do the sea lice levels observed on stocks	reflect sea lice count data? If no please deta	ail reasons.
Containment Inspection		
Has the site experienced equipment dama	ge due to predators in the current or previous	s production cycles?
2. Are measures in place to mitigate against	•	
Site inside, contract with pest control con		,
If other, detail below:		
3. Have escape incidents or events been exp	•	e the last FHI inspection?
If Yes proceed with questions 4 – 9. If No skil		
4. Have these been reported to Scottish Minis		E 4 47\
<ul><li>5. Have these been reported to local DSFB for</li><li>6. Have these been reported to the SSPO an</li></ul>		
o. Have these been reported to the 33FO an	u local listielles trusts forthwith (where they e	(COOF - 4.4.37, 3.4.17)
7. Were methods (if any) used to recover esc	capees? If yes give detail	
8. If gill nets were deployed was this action a	greed with local wild fish interests and was no	ermission given by Scottish
Ministers? (Legal, CoGP – 4.4.38, 5.4.18)		
9. What action was taken to prevent and min		ed in code but could
be considered under satisfactory measu		2000(0)
10. Is the site inspected as satisfactory with r	egarus to containment? If no, please detail re	eason(s)

Case No:	2023-0513			Date of visit:	08/11/2023	3		
Site No:	FS1362	]		Inspector:		ı		
Results Summary	Freq.			Da	te of Notifica	ition		
ŕ	·	Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Insp
			-					
	+		-					
			-					
			-					
Report Summary				1				
	Doto	lnon	and I	1				
Case Type ECI, CNI, VMD	Date 14/11/2023	Insp	2 <sup>nd</sup> Insp					
LCI, CIVI, VIVID	14/11/2023							



# FISH HEALTH INSPECTORATE VISIT REPORT

## **SUMMARY FOR INFORMATION OF SITE OPERATOR**

**BUSINESS NO** FB0169 **DATE OF VISIT** 08/11/2023

SITE NO FS1362 SITE NAME Applecross Smolt Unit 2

CASE NO 20230513 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 low. An inspection under the Aquatic Animal Health (Scotland) Regulations 2009 will be conducted every third year. The category of the site will be reassessed on a routine basis and updated as required.

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

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

Mortality records were inspected and found to be adequately maintained.

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

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

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

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

Medicine records were inspected and found to be adequately maintained.

Samples were taken to be analysed for veterinary residues.

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

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

On this occasion the site was found to be satisfactory.

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

Signed: Date: 14/11/2023
Fish Health Inspector

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

FHI 059, Version 13		Issued by: FHI	Date of issue: 12/05/2020				
Case No: 2023-0514			Date of visit: 09/11/2023				
Time spent on site:	hours	Main In	spector:				
Site No: FS1318 Business No: FB0169	Site Name: Business Name:	Portree Outer Bakkafrost Scotland					
Case Types: 1 ECI 2	2 CNI 3 SLI	4 VMD 5	6				
Water Temp (°C): 12.4	Thermometer No:	T172	FHI 045 completed				
Observations:	Region: HI	Water type: S	CoGP MA M-26				
Dead/weak/abnormally behaving fish present?  Clinical signs of disease observed?  Gross pathology observed?  Diagnostic samples taken?  If yes, see additional information/clinical score sheet.  N  If yes, see additional information/clinical score sheet.  N  N  N							
UNI/REG only - if unable to carry out intended visit detail reason below:							

### **Additional Case Information:**

Biologist visit every week to take routine samples (blood samples, swabs etc)

Patogen do testing for disease and last routine samples came back as positive for CMS and AGD.

Tests in October came back as positive for Aeromonas salmonicida (furunculosis), PRV-1, SAV, PMCV and Yersinia ruckeri.

All with high Ct. values and low numbers of positive results.

No live fish movements since last inspection

Mortality mostly due to environmental issues (approx. 50%)

Fish currently on "EV diet" (extra vitamins). This increases mucus production amongst other benefits. Fish have been on this diet since the summer.

Treatments: FLS treat in mid-august, freshwater in early Sept and early Oct and FLS and FW in early Nov. All have been reportedly successful

Bigger barge to arrive next summer.

About 6 dead fish observed during the inspection of the cages and stock

conducted inspection and was audited by

FHI 059, Version 13			Issu	ed by: FHI			Date of issue	e: 12/05/2020
Case No:	2023-0514		Site No:	FS1318	]			
Date of Visit:		09/11/2023	]		Inspector(s):			l
Registration/Autho	risation Deta	ails						
1. Business/site deta	ails summary	checked by s	ite representa	ative?			Υ	
2. Changes made to							Υ	
Site Details (includ	e cleaner fis	h for all sect	ions)			_		
Total No facilities		10	Facilities sto	cked	10	No facilities	s inspected	10
Species	SAL							
Age group	Q3 22							
No Fish	542, 935							
Mean Fish Wt	3.302kg							
Next Fallow Date (S	ite)	Jun 2024		Next Input Da	_ ` '	August 202		
Recent (last 4 wks)	disease probl	ems?		Y	Any escapes	(since last v	visit)?	N
If yes, detail:	CMS (high C	t scores) and	I AGD					
Movement Records	5							
1. Movement record	s available fo	r inspection?						Y
2. Date of last inspec	ction:						02/08/2023	
3. Are records comp		ectly entered?	•					Y
4. Are movement red	cords availab	le for dead fis	h and waste?	•				Y
5. Are records comp	lete and corre	ectly entered?	•					N
6. Are health certification	ates for introd	luctions (outw	ith GB) availa	able?				N/A
Transport Records								
1. Are any movemen	nts carried ou	t by (or on be	half) of the bu	ısiness (not us	ing a STB)?			N/A
If yes, is there a syst		• •		•				
Mortality Records								
1. Mortality records a	available for i	nspection?						Y
2. How are mortalitie	es disposed o	f?			Ensiled - on	site		
If other detail:								
3. Mortality records of	complete and	correctly ente	ered?					Y
			· ·	fish (0.26%), 44: 8,482 fish	•	* *		
4. Recent mortality (	last 4 wks):		complete)					
5. Evidence of recent increased/atypical mortalities?								
If yes, facility nos/no	mortality per	facility/no sto	ck per facility	/reason:			'	
Mortality in wk 44 slightly increased. The increase has been attributed to environmental issues and post treatment mortality. All cages affected. It is expected that mortality will return to low levels once wk 45 complete.								
	_	•		ieveis once wi	45 complete			N
6. Any other peaks in	Thortality du	ning period ch	ieckeu?					N
If yes, detail:	(neveloired)	mortalities ha	on reported to	Vet or EUI3				
7. Have increased (u	inexplained)				tific d			1
If yes, detail action:	onto' boon re			ted and FHI no		noot		V
3. Have 'mortality events' been reported to FHI? If no, enter details on mortality events sheet.								

Treatments and Medicines Records							
1. Recent treatments (see comment)?							
If yes, detail: FW and FLS week before inspection, Optomease treatment on 07/11/23.							
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. Are medicines stored appropriatory.							
Biosecurity Records							
Biosecurity records available for inspection?							
Has the manner and frequency of mortality removal, recording and safe disposal been considered?							
Has the manner and period in which the APB will notify Scottish Ministers or veterinary professional of any							
increased (unexplained) mortality at the site been included?							
4. Has the action that will be taken in the event that the presence or suspicion of the presence of a listed disease							
is detected been included and <i>how</i> and <i>when</i> that will be notified to Scottish Ministers?							
5. Has the health status of aquaculture animals being stocked on the farm site been covered (equal or higher							
health status, certification if required)?							
6. Have the husbandry and biosecurity measures implemented between each epidemiological unit to minimise							
transmission of disease been covered (movement of staff, visitors, equipment, live or dead fish etc.)?							
7. Is documentation available regarding the measures in place to maintain the physical containment of							
aquaculture animals held on site?							
8. Have the biosecurity procedures been adequately implemented on site?							
If no, detail:							
Results of Surveillance							
1. Has any animal health surveillance been carried out by, or on behalf of, the business?							
2. If yes, are results available for inspection?							
3. Any significant results?							
If yes, detail (if not detailed under recent disease problems).  See additional info							
Table 100 100 100 100 100 100 100 100 100 10							
Records checked between: 02/08/2023 - 09/11/2023							

Priority samples:   VI	Г	HI 059, Version 13							ISS	suea by: i	-111			
Priority samples:   VI		Case no:	2023-05	514	Site No:		FS1318					09/1	1/2023	09/
Summary samples		Priority samples:	VI		ВА		PA		MG					
Summary samples			13:0	0:00	13:3	0:00		Inspecto	or:			VMD No	. [	8
Pool/Fish No		Environmental conditions:	1	Indoors	2		3		4		5			
Pool/Fish No		Summary samples	HIST		ВА		MG		VI		PA		Total Sa	mples
Fish nos 1 Pool Group Species Average weight 3.0000 Sex N/A Water Type SW  Stock Origin	Α													
Pool Group Species SAL Average weight Sex N/A Water Type SW Stock Origin														
Species SAL Average weight 3.0000 Sex N/A Water Type SW  Stock Origin  SAL Average weight 3.0000 Sex N/A  Sex N			1											
Average weight 3.0000 Sex N/A Water Type SW  Stock Origin  Average weight 3.0000 Sex N/A  Sex N/A  Sex N/A  Stock Origin														
Sex N/A Water Type SW Stock Origin														
Water Type  SW  Stock Origin  Stock Origin		Average weight	3.0000											
Stock Origin		Sex												
		Water Type	SW											
			Loch Damph FS0375											

11/2023 Additional Sample Information:													
0 Total Tests assigned 0													
0		rotal l	ests ass	ignea	U								

FHI 059, Version 13		Issued by: FHI			Date of	of issue	: 12/05/2020
Case Number:	2023-0514		Site No:	FS1318		Insp:	
Date of Visit	09/11/2023		No of m	ovements/s	supp./dest.		Score
Live fish movements			0	1-5	6-10	>10	
Movements on (from out	Frequency of m	novements on from equivalent MS	0	5	10	14	0
with GB) of susceptible species	Frequency of movements on from equivalent zone or compartment including third country			۵	18	26	
Species .	Number of sup	•	0		10	26 14	0
1 6							10
Movements off	Frequency of m		0		6	10 10	3
Exposure via water	Number of desi	Site contacts				10	
Water contacts with other	Farm is protect	ed (secure water supply through					
farms (holding species	disinfection or l	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	'		7		
		n or within 1 tidal excursion	1	3	6		
		or in a coastal zone with category V					
	farms upstream	n or within 1 tidal excursion	1	4	8		
Management practices			None	Secure	Unsecure		
Water contacts with processors	Any processing	plant discharging into adjacent waters	0	1	2		0
On farm processing within the rules of the directive	No on farm pro	cessing	0				0
the rules of the directive	Processing own	n fish (re-cycling risk)	1	1			
	Processing fish	from MS of equivalent status	2				
	Processing fish	from zone or compartment of		1			
	equivalent statu	4					
		from Category III farm	8				
	Processing fish	from Category ∨ farm	10				
Disposal of fish and fish by-	Site's own was	te only processed.	0	1			
products	Common proce	esses with other farms	3				3
	Collection point	t for waste from other farms	5				
Use of unpasteurised feeds	No feeding of u	npasteurised feed		í			0
oco or ampaotoanoca rocao	Feeding unpas	•	5	1			
Biosecurity		Number of sites	1	1 2 or 3	≥4		
Contacts with other sites	Sites operating	from single shorebase	0		2		1
	Sites sharing st	taff and equipment	0		2		1
Disinfection of equipment	Yes		0				0
between sites, use of footbaths etc	No		1	1			
CoGP/Regulator							
Practices in accordance	Yes		0	]			0
with regulator or industry code of practice	No		3				
				J			
Platform access to cages	Yes		0				0
	No		2				
					Total		20
					Rank		MEDIUM

FHI 059, Version 13		Issued by:	FHI	[	Date of issue:	12/05/2020
Case No:	2023-0514		Site No:	FS1318		
2. Is the CoGP Farm Ma 3. Does the site have a	anagement Area (or eccess to a range of lice mectin benzoate) as v	in the previous 4 years? quivalent) fallowed synchrolenced in-feed and bath sea well as access to suitable bi of time?	lice medications (in	cluding deltamethrir		
	umented farm manage	ement agreement or stateme	ent relevant to the s	site and CoGP Farm	Y	
		pection? (Legal SSI, CoGP / standard specified in the SS		Legal SSI, CoGP Ar	nnex 6)	
7. Are sea lice (L. salmo records are inspected?	•	ow the suggested criteria fo	r treatment in the C	oGP during the peri	iod that N	
		nonis) numbers per fish been dithat records are inspected		above (prior to w/b	10/6/19) or Y	
-	•	ealth Inspectorate? If no, Fl is considered to cause sign		lems? (CoGP 4.3.81	1, 5.3.50) N	
•		stered or other actions taker longatus is considered to h				A
13. Are treatments, whe	eatments or the actions ere conducted, carried	pplicable)? s taken had a significant impout in cooperation between where fewer populations or	participating farms	?	Y Y Y nent for	
15. Is there a site specification scenarios during the escenarios	_	ment procedure with waypo	ints describing set	actions to deal with	recognised Y	
_		reflect sea lice count data?	If no please detail r	reasons.	Y	
2. Are measures in plac	ced equipment damag e to mitigate against th	ne due to predators in the cu ne predation experienced or bird nets, morts removed	n site? (Detail belov	v)	N Y ntrol contract	held
If Yes proceed with que 4. Have these been rep 5. Have these been rep	stions 4 – 9. If No skip orted to Scottish Minis orted to local DSFB fo		CoGP – 4.4.37, 5.4	4.17)	Ē	
7. Were methods (if any	y) used to recover esca	apees? If yes give detail				
Ministers? (Legal, CoGi 9. What action was take be considered under	P – 4.4.38, 5.4.18) en to prevent and minin satisfactory measur	reed with local wild fish inte mise the risk of further esca es of the Act) egards to containment? If no	pes? (Not covered	in code but could	ottish	

FHI 059, Version 13	Issued by: FHI	Date of issue: 12/05/2020
Case No: 2023-0514 Site	No: FS1318	
Date of Visit: 09/11/2023	Inspector:	
367 172325		
Point of Compliance		
Is the farm under inspection located within	n a farm management area?	Y
If N, no further questions require completion	).	
Points of Compliance for Both Farm Man	agement Agreements and Statement	2
Has a current farm management agreement		
3. Is the current FMAg/S available for inspec		Y
<ol><li>Does the FMAg/S identify the relevant fan Does the FMAg/S identify the fish farm sit</li></ol>	_	Y
6. Does the FMAg/S identify the date of com		nent?
7. Does the FMAg/S identify the date of revi	ew?	Y
Arrangements for Fish Health Manageme	ent	
8. Does the FMAg/S identify the minimum he		oduced to the area or
farm? 9. Does the FMAg/S identify the vaccination	requirements for stocks held in the area	or form?
10. Does the FMAg/S identify the vaccination	•	
11. Does the FMAg/S identify the maximum individual farm?		
12. Does the FMAg/S identify the arrangement		dead fish from any
fish farm in the area or the individual farm?		
Arrangements for The Management of Se		
13. Does the FMAg/S identify arrangements	for the sharing of data on sea lice numi	pers and treatments?
14. Does the FMAg/S identify the availability of statement?	and the use of medicines on farms cov	ered by the agreement
15. Does the FMAg/S identify any requireme		e treatments for sea
lice on farms in the area or individual farms? 16. Does the FMAg/S identify the circumstar		d alcohor fish are to be
used on farms in the area or individual farms	_	d cleaner fish are to be
17. Does the FMAg/S identify the arrangement		d cleaner fish are to be Y  ns within the area? Y
Live Fish Movements		
18. Does the FMAg/S identify the circumstar	nces when live fish may be introduced o	r removed from the
area or farm? 19. Does the FMAg/S identify the arrangeme	ents for the movement of live fish on and	d off sites in the area
or individual farms?		

FHI 059, Version 13	Issued by: FHI	Date of issue: 12/05/2020
Harvesting 20. Does the FMAg/S identify acceptable	harvest practices on farms in the area or inc	lividual farms?
date when a farm or area may be restock 22. Does the FMAg/S identify whether on agreement or statement?	e or more year classes may be stocked onto	sites covered by the
Point of Compliance for Farm Manage 24. Does the farm management agreeme parties to the agreement?	ment Agreements Only ent include arrangements for persons to beco	ome, or cease to be,
Management and operation 25. Is the fish farm being managed and o 26. What is the version no/date of issue o	operated in accordance with the agreement of the FMAg/S? 17/03/2023	r statement?

Case No:	2023-0514			Date of visit:	09/11/2023			
Site No:	FS1318	1		Inspector				
One 140.	101010	ı		mspector.				
Results Summary	Freq.			Da	ite of Notifica	ition		
		Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Insp
	-							
	1							
D				1				
Report Summary	D 1		and .					
Report Summary Case Type ECI, CNI, SLI, VMD	Date 14/11/2023	Insp	2 <sup>nd</sup> Insp					
LOI, OIVI, OLI, VIVID	14/11/2023							
	1							
	<del>                                     </del>							



# FISH HEALTH INSPECTORATE VISIT REPORT

#### SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS NO FB0169 DATE OF VISIT 09/11/2023
SITE NO FS1318 SITE NAME Portree Outer
CASE NO 20230514 INSPECTOR

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

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

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

## Records

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

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

Aquaculture animal and aquaculture animal product movement records were inspected and found to be inadequately maintained. This point was raised with the representative at the time of the inspection. Since then, a wate transfer note has been submitted to the fish health inspectorate and, following examination, it appears to be satisfactory. No further action is required on this point.

Mortality records were inspected and found to be adequately maintained.

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

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

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

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

Medicine records were inspected and found to be adequately maintained.

Samples were taken to be analysed for veterinary residues.

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

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

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

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

Signed: Date: 14/11/2023
Fish Health Inspector

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

FHI 059, Version 13	lss	sued by: FHI	Date of issue: 12/05/2020					
Case No: 2023-0515			Date of visit: 08/11/2023					
Time spent on site:	hours	Main Inspect	or:					
Site No: FS0500 Business No: FB0169	Site Name: Business Name:	Applecross Smolt Unit Bakkafrost Scotland						
Case Types: 1 VMD	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 fish present?  Clinical signs of disease observed?  Gross pathology observed?  Diagnostic samples taken?  If yes, see additional information/clinical score sheet.  N  If yes, see additional information/clinical score sheet.  N  N								
UNI/REG only - if unable to carry out intended visit detail reason below:								

## **Additional Case Information:**

The current batch of fish will move in the ongrowing unit (ongrowing 1) in December.

No plans to use ongrowing 2 until Q3 2024.

Ensiler in the processing of being built and not yet commissioned. Fish will be ensiled in the future. Ensiler to be commissioned by the end of the year.

Fish will eventually be released to sea at 500g. There will be a phased approach to increasing the size of the fish with the next batch being released at between 200g - 230g. The plan is to release the fish at 500g by 2026/27.

Fish will be kept as parr in the smolt unit

Background salinity can be controlled. Salinity increased post vaccination or when fish show signs of disease. Salinity usually kept at 2ppt and raised to 5ppb post vaccination.

FHI 059, Version 13		_	Issu	ed by: FHI	_		Date of issu	ie: 12/05/2020
Case No:	2023-0515		Site No:	FS0500				
Date of Visit:		08/11/2023	3		Inspector(s)	:		1
Registration/Autho	risation Deta	ails						
1. Business/site deta			ite representa	ative?			Y	1
2. Changes made to	•						N	1
Site Details (includ	e cleaner fis	h for all sect	ions)					
Total No facilities		7	Facilities sto	cked	7	No facilitie	es inspected	7
Species	SAL						T .	
Age group	Q1 2023							
No Fish	1,220,000							
Mean Fish Wt	61g							
Next Fallow Date (S		December 2	023	Next Input Da	ate (Site)	January 2	024	
Recent (last 4 wks)	disease probl	ems?		•	Any escape	s (since last	visit)?	N
If yes, detail:						,	,	
<ol> <li>Are movement re</li> <li>Are records comp</li> <li>Are health certific</li> </ol> Transport Records <ol> <li>Are any movement</li> <li>yes, is there a sys</li> </ol>	olete and corre ates for introd ats carried ou	ectly entered' luctions (outv	? vith GB) availa half) of the bu	able? usiness (not usi				Y N/A
Mortality Records								
Mortality records :	available for i	nspection?						Y
2. How are mortalities		•			Biogas - Ba	rkip		
If other detail:					. 9			
3. Mortality records	complete and	correctly ent	ered?					Y
4. Recent mortality (		•		). Majority of m	ortality due to	o vaccinatio	n	
5. Evidence of recer	•	typical morta		, <b>,</b>			-	N
If yes, facility nos/no		•		/reason:				
		•						
6. Any other peaks i	n mortality du	ring period ch	necked?					N
If yes, detail:								
7. Have increased (	unexplained)	mortalities be	en reported to	o vet or FHI?				N/A
If yes, detail action:								
<ol><li>Have 'mortality ev</li></ol>	ents' been re	ported to FHI	? If no, enter	details on mort	tality events s	heet.		N/A
								· · · · · · · · · · · · · · · · · · ·

Treatments and Medicines Records								
1. Recent treatments (see comment)?								
If yes, detail: Tricaine (TMS)								
If other, detail:								
2. Medicines records available for inspection?								
3. Are records complete and correctly entered?								
4. Are fish in a withdrawal period?								
5. If yes, what treatment(s)?								
If other, detail:								
6. Are medicines stored appropriately?								
Biosecurity Records								
Biosecurity records available for inspection?								
2. Has the manner and frequency of mortality removal, recording and safe disposal been considered?								
3. Has the manner and period in which the APB will notify Scottish Ministers or veterinary professional of any								
increased (unexplained) mortality at the site been included?								
4. Has the action that will be taken in the event that the presence or suspicion of the presence of a listed disease								
is detected been included and <i>how</i> and <i>when</i> that will be notified to Scottish Ministers?								
5. Has the health status of aquaculture animals being stocked on the farm site been covered (equal or higher								
health status, certification if required)?								
6. Have the husbandry and biosecurity measures implemented between each epidemiological unit to minimise								
transmission of disease been covered (movement of staff, visitors, equipment, live or dead fish etc.)?								
7. Is documentation available regarding the measures in place to maintain the physical containment of								
aquaculture animals held on site?								
8. Have the biosecurity procedures been adequately implemented on site?								
If no, detail:								
Results of Surveillance								
<ul><li>1. Has any animal health surveillance been carried out by, or on behalf of, the business?</li><li>2. If yes, are results available for inspection?</li></ul>								
3. Any significant results?								
If yes, detail (if not detailed under recent disease problems).								
ii yoo, actaii (ii not actailea anaci recent alocase problems).								
Decords shocked between 106/12/2022 09/11/2022								
Records checked between: 06/12/2022 - 08/11/2023								

FHI 059, Version 13				issued by: FHI									
	Case no: 2023-0515		515	Site No: FS		FS0500	500		Date of visit/ Sampling:		08/11/2023		08/
	Priority samples:	VI		ВА		PA		MG		<sub>9</sub> . HI			
	Time sampling starts/ends:	tarts/ends:		14:00:00		Inspector:		or:	:		VMD No.		8
	Environmental conditions:	1	Indoors	2		3		4		5			
	Summary samples	HIST		ВА		MG		VI		PA		Total Sa	mples
Α	dd Fish/Pools - click												
	Pool/Fish No												
	Fish nos	1-25	26-50										
	Pool Group												
	Species	SAL	SAL										
	Average weight	60g	60g										
	Sex												
	Water Type	FW	FW										
Stock Details		م Applecross parr unit FS1336	Applecross parr unit FS1336										
O.	of admity 140	J	5										

11/2023	1/2023 Additional Sample Information:														
0	1	Total To	ests ass	igned	0										

Case No:	2023-0515	]		Date of visi	t: 08/11/202	23		
Site No:	FS0500	]		Inspecto	r:			
Results Summary	Freq.			D	ate of Notific	cation		
,	·	Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Insp
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	-							
			_				_	
Donort Summary								
Report Summary	Date	Inon	ond .					
Case Type VMD	14/11/2023	Insp	2 <sup>nd</sup> Insp					
VIVID	14/11/2020	2						
	+							
	_							



#### SUMMARY FOR INFORMATION OF SITE OPERATOR

Business No FB0169 Date of Visit 08/11/2023

SITE NO FS0500 SITE NAME Applecross Smolt Unit

CASE NO 20230515 INSPECTOR

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

The above site was visited in accordance with the Animals and Animal Products (Examination for Residues and Maximum Residue Limits) (England and Scotland) Regulations 2015.

Samples were taken to be analysed for veterinary residues.

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

Medicine records were inspected and found to be adequately maintained.

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.

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

Signed:

Fish Health Inspector

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

Date: 14/11/2023

FHI 059, Version 13	Issu	ed by: FHI	Date of issue: 12/05/2020
Case No: 2023-0516			Date of visit: 03/11/2023
Time spent on site:	) mins	Main In	espector:
Site No: ss0547 Business No: SB0358	Site Name: Business Name:	South Ardnaclach Farm Creran Oysters	
Case Types: 1 PSI 2	2 3	4 5	6
Water Temp (°C):	Thermometer No:		FHI 045 completed
Observations:	Region: ST	Water type: S	CoGP MA:
Dead/weak/abnormally behaving Clinical signs of disease observed Gross pathology observed? Diagnostic samples taken?	•	If yes, see additiona	al information/clinical score sheet. al information/clinical score sheet. al information/clinical score sheet.
UNI/REG only - if unable to carry	out intended visit detail rea	son below:	

Mortality records kept each time oysters are handled (e.g. grading). Background mortality currently at 5-6% over the time that each stock is on site.

Manager is reportedly very pleased with the health of the oysters over the past year.

Site underwent a series of tests for OHV, Bonamia and Vibrio sp. strains for a research project in 2020 and 2021. All results for notifiable disease came back as negative.

No signs of D.vex on the oyster farm despite the organism being present in the loch.

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

FHI 059, Version 13	issued by: FHI			Date	or issue: 12
Case Number:	2023-0516 Site No:	ss0547	7		
Date of Visit	03/11/2023 Inspector:				
Number of Susceptil	ole species on site				
	ies present = <u>LOW</u> risk			.,	
If susceptible species	present, score for each pathogen		No	Yes	
	Susceptible to Bonamia ostrea (OED)		0	25	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	2
Live shellfish moven	nents	0	1-2	>3	
Movements on	Frequency of movements on from equivalent MS	0	5	10	5
	Frequency of movements on from equivalent zone or compartment including third country	0	10	20	
	Number of suppliers	0	5	10	5
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	
	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	
	Depuration of stock from sites outwith MSS management area	0	4	8	
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	is etc	0	2	0
			Total		43
			Risk		

FHI 059, Version 13		Issu	ed by: FHI		Date	of issue: 12/05/2020
Case No: 2023-0516		Site No:	ss0547			
Date of case:	03/11/2023	3		Inspector(s):		
Business/site contacts correct	ct? (if no, update	site summary s	sheet)			Υ
Site Details						
Total No facilities:	575			No fa	cilities stocked:	250
Species CGI	CGI	CGI	CGI	OED	OED	
Age group 2019	9 2021			2017	2022	
No shellfish 5,000			145,000		,	
Mean fish Wt 90g	110g	35g	1g	95g	10g	
Next fallow date (site)	N/A		Next i	nput date (site)		Jun-24
Date of last inspection: (ECI	or PSI):	19/04/2023	3			
1. Any recent increased or at	ypical mortalities	s? (last 4 weeks	s):			N
If yes, detail:						
e.g. site						
average, max per facility						
per facility						
2. Any increased mortalities?	(eince last insp	action)				N
If yes, detail:	(Sirice last irispi	oction)				
yee, deta						
3. How are mortalities dispos	ed of?					Other (detail)
If other detail: empty shells a	are used to repa	ir holes in farm	tracks			
4. Are there any diseases on	your site?					N
If yes, detail:						
5. Have you experienced pre-	dation on site?					$\nabla$
· · · · · · · · · · · · · · · · · · ·	mber lost. Bag s	size reduced fro	m 14mm to 9mi	m to reduce pre	dation from ovs	ter catchers.
	ortedly successfu				•	
	,	,				
6. Has the site experienced in	ncreased or abn	ormal fouling?				N
If yes, detail:						
7. Have you observed any inv	vasive species o	n your site?				N
If yes, detail:						
8. Do you have an up to date	RMP, and are th	here any issues	2			N
If yes, detail:	Divir , allu ale li	nere arry issues	:			14
ii yoo, actali.						
9. What quantity of spat fall h	ave you had in t	he last 12 mont	ths? (mussel site	es only):		
N/A	,					

						-		
Case No:	2023-0516			Date of visit	: 03/11/2023	3		
Site No:	ss0547	]		Inspector	:			
Results Summary	Freq.			Da	ate of Notifica	ation	1.	
		Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Insp
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			_					
Report Summary			I	1				
Case Type	Date	Insp	2 <sup>nd</sup> Insp					
Case Type PSI	14/11/2023	'						
	+							
	+							



#### **SUMMARY FOR INFORMATION OF SITE OPERATOR**

BUSINESS NO SB0358 DATE OF VISIT 03/11/2023

SITE NO SS0547 SITE NAME South Ardnaclach Farm

CASE NO 20230516 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 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.

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: Date: 14/11/2023

Fish Health Inspector

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

FHI 059, Version 13	Iss	sued by: FHI	Date of issue: 12/05/2020
Case No: 2023-0517			Date of visit: 02/11/2023
Time spent on site:	0 minutes	Main Inspec	etor:
Site No: SS0286 Business No: SB0189	Site Name: Business Name:	Site 1 Francis McGhee	
Case Types: 1 REG	2 3	4 5	6
Water Temp (°C):	Thermometer No:		FHI 045 completed N/A
Observations:	Region: ST	Water type: S	CoGP MA:
Dead/weak/abnormally behaving Clinical signs of disease observed Gross pathology observed? Diagnostic samples taken?	•	If yes, see additional inf	ormation/clinical score sheet. ormation/clinical score sheet. ormation/clinical score sheet.
UNI/REG only - if unable to carry			
	Unable	e to contact site.	

REG inspection of the site conducted from roadside. A few marker bouys were observed in the location of where the site should be, no visable shellfish holding faccilities observed. Correspondance with a local member of the public confirmed that the site has been fallow for 3 - 4 years.

Case No:	2023-0517	J		Date of visi	it: 02/11/202	23		
Site No:	SS0286	7		Inspecto	r:			
Results Summary	Freq.			D	ate of Notific	cation		
		Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Insp
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					_			
					_			
					_			
					_			
Report Summary								
Case Type REG	Date	Insp	2 <sup>nd</sup> Insp					
REG	06/11/2023	3						
		-						
		-						
	+							
	+							



#### SUMMARY FOR INFORMATION OF SITE OPERATOR

 BUSINESS NO
 SB0189
 DATE OF VISIT
 02/11/2023

 SITE NO
 SS0286
 SITE NAME
 Site 1

CASE NO 20230517 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.

An inspection of the sites paperwork could not be conducted as there were no site representatives available. This inspection will be rescheduled later in the year.

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

Signed:

Fish Health Inspector

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

Date: 06/11/2023

FHI 059, Version 13	Is	sued by: FHI	Date of issue: 12/05/2020			
Case No: 2023-0518			Date of visit: 14/11/2023			
Time spent on site: 4h	1	Main Inspec	tor:			
Site No: FS1083 Business No: FB0119	Site Name: Business Name:	Groatay Mowi Scotland Ltd				
Case Types: 1 REP 2	2 DIA 3 VMD	4 5	6			
Water Temp (°C): 10.8	Thermometer No:	T173	FHI 045 completed			
Observations:	Region: WI	Water type: S	CoGP MA: W-11			
Dead/weak/abnormally behaving Clinical signs of disease observed Gross pathology observed? Diagnostic samples taken?	•	y If yes, see additional information/clinical score sheet. y If yes, see additional information/clinical score sheet. y If yes, see additional information/clinical score sheet. y				
UNI/REG only - if unable to carry	out intended visit detail r	reason below:				

Salmon peaks in mortalities 2022, wk 39 2,978 (1.25%), wk 40 5,145 (2.19%), wk 41 4,766 (2.07%), wk 43 1,361 (1.15%), wk 44 1,304 (1.36%), wk 45 1,013 (1.07%), wk 47 3,801 (8.52%), Mainly seal predation and pasteurella but some poor doers, CMS and gill health.

Salmon peaks in mortality 2023, wk 39 13,475 (1.46%), wk 40 17,625 (1.94%), wk 41 32,901 (3.70%), wk 42 40,777 (4.76%), wk 43 14,795 (1.81%), wk 44 15,330 (1.69%), AGD the main issue some poor doers in wk 39 also.

Lumpfish peaks in mortality 2023 wk 28 10,280 (8.15%), wk 29 21,970 (18.97%), wk 30 3,913 (4.17%), mainly tenacibaculum.

Wrasse peaks in mortality 2023, wk 39 494 (2.11%), wk 41 687 (3.05%), transport losses and without diagnosis.

Wrasse mortalities last four weeks, wk 44 146 (0.66%) wk 43 297 (1.29%), wk 42 456 (1.95%), wk 41 687 (3.05%).

Lumpfish mortalities last four weeks, wk 44 104 (0.12%), wk 43 111 (0.13%), wk 42 391 (0.46%), wk 41 161 (0.19%).

Paramove 50 was administered in mid August, September and October and freshwater in September and November to treat AGD.

Pisckiricketsia recently identified, anti-biotic to be administered.

A number of moribunds observed in all cages inspected.

FHI 059, Version 13	3		Is	sued by: FHI			Date of issu	ie: 12/05/2020
Case No:	2023-0518	3	Site No:	FS108	3			
Date of Visit:		14/11/20	23		Inspector(s	s):		ı
Registration/Auth	orisation De	etails						
1. Business/site de			site represei	ntative?			Υ	1
2. Changes made t	o details?						Υ	1
Site Details (inclu	de cleaner f	ish for all se	ctions)					
Total No facilities		14	Facilities s	stocked	14	No facilitie	s inspected	14
Species	SAL	WRS	LUM				T .	
Age group	2023 q2	Mix wild	2023					
No Fish	857,214	22,510	83,544					
Mean Fish Wt	1.08kg	N/A	N/A					
Next Fallow Date (S	Site)	August 202	24	Next Input D	ate (Site)	March 202	25	
Recent (last 4 wks)	disease pro	blems?			Y Any escap	es (since last	visit)?	N
If yes, detail:	AGD, pisci	irekettsia						
<ol> <li>Are records com</li> <li>Are movement re</li> <li>Are records com</li> <li>Are health certified</li> </ol> Transport Record <ol> <li>Are any movement</li> <li>If yes, is there a system</li> </ol>	ecords available plete and co cates for intress.  s ents carried of	able for dead rrectly entere oductions (ou	fish and wast d? itwith GB) ava pehalf) of the	ailable? business (not u		,		Y Y N/A
Mortality Records								
1. Mortality records	available for	r inspection?						Y
2. How are mortalit	ies disposed	of?			Other (deta	ail)		
If other detail:	Whole fish	white shore	cockles					
3. Mortality records	complete ar	nd correctly e	ntered?					Y
4. Recent mortality	(last 4 wks):		see addition	onal information	1			
5. Evidence of rece	ent increased	/atypical mor	talities?					Y
If yes, facility nos/n	o mortality p	er facility/no s	tock per facil	ity/reason:				
see additional infor								
6. Any other peaks		<u> </u>						Y
If yes, detail:		onal information						
7. Have increased	(unexplained	l) mortalities b	peen reported	to vet or FHI?				N/A
If yes, detail action:								
8. Have 'mortality e	vents' been	reported to FI	H? If no, ente	er details on mo	rtality events	sheet.		Y

Treatments and Medicines Records	
1. Recent treatments (see comment)?	Υ
If yes, detail: Freshwater, Paramove, TMS	
If other, detail:	
2. Medicines records available for inspection?	Υ
3. Are records complete and correctly entered?	Υ
4. Are fish in a withdrawal period?	Υ
5. If yes, what treatment(s)?	
If other, detail:	
6. Are medicines stored appropriately?	Υ
Biosecurity Records	
Biosecurity records available for inspection?	
2. Has the manner and frequency of mortality removal, recording and safe disposal been considered?	
3. Has the manner and period in which the APB will notify Scottish Ministers or veterinary professional of any	
increased (unexplained) mortality at the site been included?	
4. Has the action that will be taken in the event that the presence or suspicion of the presence of a listed disease	
is detected been included and <i>how</i> and <i>when</i> that will be notified to Scottish Ministers?	
5. Has the health status of aquaculture animals being stocked on the farm site been covered (equal or higher	
health status, certification if required)?	
6. Have the husbandry and biosecurity measures implemented between each epidemiological unit to minimise	
transmission of disease been covered (movement of staff, visitors, equipment, live or dead fish etc.)?	
7. Is documentation available regarding the measures in place to maintain the physical containment of	
aquaculture animals held on site?	
8. Have the biosecurity procedures been adequately implemented on site?	
If no, detail:	
Results of Surveillance	
1. Has any animal health surveillance been carried out by, or on behalf of, the business?	Υ
2. If yes, are results available for inspection?	Y
3. Any significant results?	Υ
If yes, detail (if not detailed under recent disease problems).  AGD, gill health, piscirickettsia	
Records checked between: 26/7/2022 to 14/11/2023	

	al 059, version 13							153	sued by.	ГП			
	Case no:	2023-05	518	Site No		FS1083	3		Date of Sampling		14/	11/2023	14/
	Priority samples:	VI		ВА		PA		MG		ig. HI			
	Time sampling starts/ends:	12:0	0:00	13:0	00:00		Inspect	or:			VMD No	o. <b> </b>	15
	Environmental conditions:	1	Indoors	2		3		4		5			
	Summary samples	HIST	Y	ВА	Y	MG	Y	VI		PA		Total Sa	mples
A	dd Fish/Pools - click												
	Pool/Fish No	F1	F2	F3	F4	F5							
	Fish nos	1	2	3	4	5	6-7	8-9	10-11	11-12			
	Pool Group	P1	P1	P1	P1	P1							
	Species	SAL	SAL	SAL	SAL	SAL	SAL	SAL	SAL	SAL			
	Average weight	1.1kg	1.1kg	1.1kg	1.1kg	1.1kg	1.1kg	1.1kg	1.1kg	1.1kg			
	Sex												
	Water Type	SW	SW	SW	SW	SW	SW	SW	SW	SW			
													,
,,													,
9		<u>s</u>	<u>e</u>	ore	ore	ore	<u>e</u>	ore.	ore	ore			,
Details		Ĕ	<u> </u>	E S	<u> </u>	E C	ĕ	E	l mc	E S			
		Inchmore	Inchmore	nchmore	Inchmore	Inchmore	Inchmore	Inchmore	Inchmore	Inchmore			.
Stock	Facility No	31	31	30	30	30		27	23	31			
	7	•	•					_		•			

1 1 11 000, V	. 0.0.0.								.00	aca by.			
Additional Sample Information:													
5		Total Te	ests ass	igned	3	l							

FHI 059, Version 13 Issued by: FHI Date of issue: 12/05/2020 Method of killing: Unknown Case no: FS1083 2023-0518 Site No: Inspector(s): Sheet Relevant: Y Date of visit: 14/11/2023 S for strong presence: M for medium presence: W for weak presence Fish Number Time sampled after death (if > 45 minutes) External Signs W w Behaviour Moribund W W W Lethargic S S Hanging vertical Spiralling Flashing Loss of equilibrium Body Dark Distended abdomen Anorexic m Scale Oedema Opercula Shortened Flared Haemorrhaging Throat Ventrum Base of fins Elsewhere Eyes Exophthalmic Enophthalmic (sunken) Cataract Haemorrhagic Gills Pale w W w W Zoned W Necrotic Flank Lesions Elsewhere Vent Inflamed Trailing faeces 0 Lice Load Estimate numbers 0 0 Internal Signs Clear **Ascites Bloody** Oedema In tissues Pale/anaemic Heart Granulomas Deformed m m m m m Liver Petechial haem Gross haem Tissue breakdown Enlarged Colour number(s) Granulomas Lesions Petechial haem Pyloric caeca Tubules mauve m W Lack of fat S W Spleen Enlarged S S S Granulomas s m Gut No food present Yellow pseudo-faeces

External haem Internal haem

Haemorrhaging Haemorrhaging

Parasites present

Fluid filled

Swollen Grey Granular Liquefied

Anaemia

Body wall

Kidney

General

Swim bladder

Case no: 2023-0518

Date of visit: 14/11/2023

Date of visit:	14/11/2023					
	ce: <b>M</b> for medium presence: <b>W</b> for w					
Fish Number						
	er death (if > 45 minutes)					
External Signs	Manufface d					
Behaviour	Moribund Lethargic					
	Hanging vertical					
	Spiralling					
	Flashing					
	Loss of equilibrium					
Body	Dark					
	Distended abdomen					
	Anorexic					
_	Scale Oedema					
Opercula	Shortened					
	Flared					
Haemorrhaging	Throat Ventrum					
	Base of fins					
	Elsewhere					
Eyes	Exophthalmic					
•	Enophthalmic (sunken)					
	Cataract					
	Haemorrhagic					
Gills	Pale					
	Zoned					
	Necrotic					
Lesions	Flank					
Vent	Elsewhere Inflamed					
vent	Trailing faeces					
Lice Load	Estimate numbers					
2.00 2000	Estimate Humbers					
Internal Signs						
Ascites	Clear					
	Bloody					
Oedema	In tissues					
Heart	Pale/anaemic					
	Granulomas Deformed					
Liver	Petechial haem					
LIVEI	Gross haem					
	Tissue breakdown					
	Enlarged					
	Colour number(s)					
	Granulomas					
	Lesions					
Pyloric caeca	Petechial haem					
	Tubules mauve Lack of fat					
Spleen	Enlarged					
Оргост	Granulomas					
Gut	No food present					
	Yellow pseudo-faeces					
	External haem					
	Internal haem					
Body wall	Haemorrhaging					
Swim bladder	Haemorrhaging					
Vidno:	Fluid filled					
Kidney	Swollen					
	Grey Granular					
	Liquefied					
General	Parasites present					
	Anaemia					

FHI 059, Version 13	Issued by: FHI	Date of issue: 12/05/202
Additional comments:		

 Case No:
 2023-0518
 Date of visit:
 14/11/2023

 Site No:
 FS1083
 Inspector:

Results Summary	Freq.	Date of Notification							
		Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Insp	
VHS (PCR) - VHSP	0/5	22/11/2023		22/11/2023		15/12/2023			
IHN (PCR) - IHNP	0/5	22/11/2023		22/11/2023		15/12/2023			
ISA (real time qPCR -	0/5	22/11/2023		22/11/2023					
heart & kidney) - ISAQ									
						15/12/2023			
AGD (Neoparamoeba	4/5	22/11/2023		22/11/2023					
perurans) (PCR) -						45/40/0000			
AGDQ	0/5	00/44/0000		00/44/0000		15/12/2023 15/12/2023			
IPN (PCR) - IPNM	0/5 5/5	22/11/2023 22/11/2023		22/11/2023 22/11/2023		15/12/2023			
Paranucleospora theridion (PCR) - PNST	5/5	22/11/2023		22/11/2023					
ineliaion (FOR) - FNST						15/12/2023			
Piscine myocarditis	0/5	22/11/2023		22/11/2023		10/12/2020			
virus (CMS) (PCR) -	0,0	,,		,,					
PMVP						15/12/2023			
Salmon gill poxvirus	4/5	22/11/2023		22/11/2023					
(PCR) - SPVP						15/12/2023			
Salmonid alphavirus	0/5	22/11/2023		22/11/2023					
(SAV) (PCR) - SALP						15/12/2023			
Vibrio species (culture)	5/5	28/11/2023		28/11/2023		4=4404000			
VSPE	4/5	00/40/0000		00/40/0000		15/12/2023			
Epitheliocystis - EPIT	4/5	06/12/2023		06/12/2023		15/12/2023			
Gill pathology - GPAT	5/5	06/12/2023		06/12/2023		15/12/2023			
Heart pathology - HPAT	5/5	06/12/2023		06/12/2023		15/12/2023			
Kidney pathology -	5/5	06/12/2023		06/12/2023		10/12/2020			
KPAT	<i>3</i> , <i>3</i>	00/12/2020		00/12/2020		15/12/2023			
Spleen pathology -	4/5	06/12/2023		06/12/2023					
SPAT						15/12/2023			
Piscirickettsia salmonis	4/5	06/12/2023		06/12/2023					
(SRS) (histology) -									
PISH						15/12/2023			
		1							
	<u> </u>	<u> </u>							

Report Summary			
Case Type	Date	Insp	2 <sup>nd</sup> Insp
DIA	15/12/2023		

#### SUMMARY FOR INFORMATION OF SITE OPERATOR

 Business No
 FB0119
 Date of Visit
 14/11/2023

 Site No
 FS1083
 Site Name
 Groatay

 Case No
 20230518
 Inspector

### **Section 1: Summary**

The above site was inspected following reports of increased mortalities. A number of lethargic and moribund fish were observed in all of the pens, five were removed for further examination and subsequent diagnostic sampling.

Histopathology examination revealed very mild gill pathology and pathology consistent with salmonid rickettsial septicaemia (SRS).

Samples tested positive for the gill related pathogens: *Paranucleospora theridion*, salmon gill poxvirus (SGPV) and *Neoparamoeba perurans* (AGD).

*Vibrio* sp. was identified on plates taken from kidney material, the level of bacterial growth is significant however the purity of growth would not suggest that these bacteria would be the primary source of morbidity.

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

## **Section 2: Case Detail**

#### Observations

Elevated mortalities had been reported to the FHI since week 39 and peaking in week 42, mortalities have reduced but continue to remain elevated. On inspection of the stocks lethargic and moribund fish were observed in all cages, five were removed for further examination and diagnostic sampling.

All fish samples were lethargic and moribund with F3 appearing anorexic. The gills of all fish were pale and necrotic with zoning noted in F4.

Internally, the hearts of all fish appeared deformed with splenomegaly and yellow pseudo faeces evident. The pyloric caeca of F1, 3, 4 and 5 lacked fat and the tubules were mauve in appearance. Granulomas were observed on the spleen of F3 and 4.

#### Samples

Samples were collected from F1-5 according to the table below:

Fish number	Facility number	Species	Stage	Origin
F1-2	31	Atlantic salmon	1.1kg 2023 Q2	Inchmore
F3-5	30	Atlantic salmon	1.1kg 2023 Q2	Inchmore

#### Results

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

The following bacteria were isolated:

- Vibrio sp. (isolate A) (kidney F1-5)
- Vibrio sp. (isolate B) (kidney F1-2 and F4-5)
- Vibrio sp. (isolate C) (kidney F1, 4 and 5)

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

Salmon gill poxvirus

Fish Number	Endogenous control Cp value		Cp Values	Reported Result (PCR)	
F1	20.97	30.02	30.11	30.01	POSITIVE
F2	20.68	33.00	33.09	33.02	POSITIVE
F3	-	-	-	-	Negative
F4	20.08	31.92	32.23	32.17	POSITIVE
F5	19.95	31.81	31.75	31.89	POSITIVE

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

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

Paranucleospora theridion

Fish Number	Endogenous control Cp value		Cp Values	Reported Result (PCR)	
F1	20.97	23.98	24.08	24.06	POSITIVE
F2	20.68	26.66	26.78	26.64	POSITIVE
F3	20.78	27.87	28.17	28.10	POSITIVE
F4	20.08	23.11	24.17	24.00	POSITIVE
F5	19.95	25.17	25.23	25.30	POSITIVE

Neoparamoeba perurans (AGD)

leoparamoeba perurans (AOD)								
Fish Number	Endogenous control Cp value		Cp Values		Reported Result (PCR)			
F1	20.97	32.14	32.09	32.49	POSITIVE			
F2	-	-	-		Negative			
F3	20.78	27.68	28.72	28.90	POSITIVE			
F4	20.08	29.07	29.22	29.86	POSITIVE			

<b>F5</b> 19.95 28.00 27.79	28.02 POSITIVE
-----------------------------	----------------

**Histology:** Tissue samples of gill, skin and skeletal muscle, heart, pyloric caeca, pancreas, hind gut, liver, spleen and kidney were taken from F1-5. The tissue samples were fixed in 10% neutral buffered formalin.

Histopathological examination revealed the following:

Gill: Filament hyperplasia and lamellar fusion some to minor, multifocal (F1, F5), F2 displayed some filament tip bluntness and F4 some lamellar adhesions, few basophilic epithelial inclusions (likely epitheliocystis) (F1, F2, F3, F5). Lamellar telangiectasia with multifocal thrombosis (F3, F4) and free blood among gill filaments (F5).

Skin & Muscle: Within normal range.

Heart: Mild, epicarditis (F1, F2, F3, F5) with round blue structures resembling bacteria (likely *Piscirickettsia* sp.) (F4, F5) F2 also displayed a small granuloma-like structure within the ventricle and F3 displayed a mild, multifocal, myositis.

Gut and pyloric caeca: Peritonitis, mild to moderate, multifocal (F1-F5), some fish also displayed necrosis. Presence of few round blue structures resembling bacteria that stained Gram-negative (likely *Piscirickettsia* sp.) (F1, F2, F4, F5). F2, F5 some granulomatous reaction with some structures showed centrally splendore-hoeppli reaction (homogeneous eosinophilic material).

Liver: Capsulitis (F4) with (F1) and few round blue structures resembling bacteria that stained Gram-negative (likely *Piscirickettsia* sp.) (F4). Hepatocellular necrosis, minimal, focal (F1, F3) with a few round blue structures resembling bacteria (likely *Piscirickettsia* sp.) (F1).

Kidney: Interstitial cell (haemopoietic) necrosis, mild to marked, multifocal (F1, F2, F3, F4) with a few intracellular round blue structures resembling bacteria that stained Gram-negative (likely *Piscirickettsia* sp.) (F1, F2, F4) and F5 displayed increased numbers of eosinophilic granular cells. Some renal tubules display some hyaline droplets (F2, F3, F4, F5).

Spleen: Necrotising capsulitis (F1, F2, F4, F5) with few round blue structures resembling bacteria that stained Gram-negative (likely *Piscirickettsia* sp.) (F1, F2, F4, F5). F1 some granulomatous reaction with some structures showed centrally splendore-hoeppli reaction (homogeneous eosinophilic material). Some erythrocytophagocitosis observed in F1 and F5. F5 displayed increased numbers of eosinophilic granular cells and F2 to a lesser extent.

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

Signed: Date: 12/12/2023
Fish Health Inspector

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

FHI 059, Version 13	Iss	ued by: FHI	Date of issue: 12/05/2020				
Case No: 2023-0522			Date of visit: 27/11/2023				
Time spent on site:	hrs	Main Inspecto	or:				
Site No: SS0553 Business No: SB0224	Site Name: Business Name:	Eilean Nam Meann Lismore Shellfish					
Case Types: 1 ECI	2 3	4 5	6				
Water Temp (°C):	Thermometer No:		FHI 045 completed				
Observations:	Region: ST	Water type: S	CoGP MA:				
Dead/weak/abnormally behaving Clinical signs of disease observe Gross pathology observed? Diagnostic samples taken?	•	N If yes, see additional infor	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:							

All movements off site are for harvest and get sent to Loch Fyne Oysters. No depuration happens on site.

Site plans to input stock from Morecambe Bay Oysters in spring/summer 2024.

Empty shells are usually separated out at grading. These are used to maintain the tracks to the site.

Good growth observed in all cohorts on site, with average amount of seaweed observed on the bags. Oystercatchers have previously been an issue in the past but numbers in the bay have reduced so less problems have been experienced.

no temperature taken as it was low tide at the time of inspection.

FHI 059, Version	13		Iss	ued by: FHI			Date of issue	e: 12/05/2020
Case No:	2023-052	2	Site No:	SS0553	3			
Date of Visit:		27/11/20	23		Inspector(s	):		
Registration/Aut	horisation D	etails						
1. Business/site d	etails summa	ry checked by	site represen	tative?			Υ	1
2. Changes made		•	·				N	
Site Details (incl	ude cleaner	fish for all se	ctions)					
Total No facilities		250	Facilities st	ocked	100	No facilitie	s inspected	250
Species	CGI	CGI	CGI					
Age group	2018	2020	2021					
No Fish	10,000	100,000	200,000					
Mean Fish Wt	110g	120g	20-110g					
Next Fallow Date	(Site)	never fallo		Next Input Da	ate (Site)	spring/sun	nmer 2024	
Recent (last 4 wks	s) disease pro	oblems?		N	Any escape	es (since last	visit)?	N
If yes, detail:								
<ol> <li>Are records cords.</li> <li>Are health certing.</li> <li>Transport Records.</li> <li>Are any movemonth of the property of the property.</li> </ol>	ficates for intended ds nents carried	roductions (ou	itwith GB) ava	ousiness (not us				N/A Y
	•		·					
Mortality Record  1. Mortality record		r inspection?						
2. How are mortal					Other (deta	sil)		
If other detail:			holes on track	to the site	Other (deta	···· <i>)</i>		
Mortality record				to the site				
4. Recent mortalit	•	•		nd martalities of	aconyod sing	the last inco	oction	<u> </u>
5. Evidence of rec				ed mortalities ob	JSEIVEU SIIICE	e trie iast irisp	ection	l N
If yes, facility nos/		• •		w/reason:				- 17
ir yes, racility 1105/	no mortality p	er racility/110 s	stock per raciii	.y/16a5011.				
6. Any other peak If yes, detail:	s in mortality	during period	checked?					N
7. Have increased	•	d) mortalities l	peen reported	to vet or FHI?				N/A
If yes, detail action								N 1 / 5
8. Have 'mortality	events' been	reported to F	HI? If no, ente	r details on mor	tality events	sheet.		N/A

Treatments and Medicines Records					
1. Recent treatments (see comment)?					
If yes, detail:					
If other, detail:  2. Medicines records available for inspection?					
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, reco	rding and safe disposal been considered?	Y			
3. Has the manner and period in which the APB will notify So	•				
increased (unexplained) mortality at the site been included?		Y			
4. Has the action that will be taken in the event that the pres					
is detected been included and <i>how</i> and <i>when</i> that will be notified to Scottish Ministers?					
5. Has the health status of aquaculture animals being stocked on the farm site been covered (equal or higher					
health status, certification if required)?					
6. Have the husbandry and biosecurity measures implement	ted between each epidemiological unit to minimise	Y			
transmission of disease been covered (movement of staff, v	·				
7. Is documentation available regarding the measures in place to maintain the physical containment of					
aquaculture animals held on site?	' ′				
8. Have the biosecurity procedures been adequately implemented on site?					
If no, detail:					
Results of Surveillance					
1. Has any animal health surveillance been carried out by, or on behalf of, the business?					
2. If yes, are results available for inspection?					
3. Any significant results?					
If yes, detail (if not detailed under recent disease problems).					
Records checked between:	01/09/2015-27/11/2023				

FHI 059, Version 13	Issued by: FHI	Date	of issue: 12		
Case Number:	2023-0522 Site No:	SS055	3		
Date of Visit	27/11/2023 Inspector:				
Number of Susceptil	ole species on site				
-	ies present = <u>LOW</u> risk				
If susceptible species	present, score for each pathogen		No	Yes	
	Susceptible to Bonamia ostrea (OED)		0	25	0
	Susceptible to Marteilia refringens (OED, MED)		0	3	0
	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 mover		0	1-2	>3	
Movements on	Frequency of movements on from equivalent MS	0	5	10	5
	Frequency of movements on from equivalent zone or		40	20	
	compartment including third country  Number of suppliers	0	10 5	20 10	5
	Invalidation suppliers	U	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
			•		
Managament			Secure	Unsecure	
Management practices		None	(effluent treatment)	(no effluent treatment)	
Water contacts with	T	I	treatmenty	Treatmenty	
depuration facilities	Depuration of stock from own sites within MSS				
doparation radiities	management area	0	1	2	0
	Depuration of stock from other businesses sites within		0	0	
	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	ns etc	0	2	2
			Total		15
			Risk		LOW

Case No:	2023-0522			Date of visit:	27/11/2023	В		
Site No:	SS0553	Inspector:						
Results Summary	Freq.	Database	Insp	Phone Da	te of Notifica Insp	writing	Insp	and I
		Database	шэр	i none	шэр	vviitiiig	шэр	2 <sup>nd</sup> Insp
							=	
							-	
Report Summary								
Case Type	Date	Insp	2 <sup>nd</sup> Insp					
ECI	11/12/2023							



#### SUMMARY FOR INFORMATION OF SITE OPERATOR

**BUSINESS NO** SB0224 **DATE OF VISIT** 27/11/2023

SITE NO SS0553 SITE NAME Eilean Nam Meann

CASE NO 20230522 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 low. An inspection under the Aquatic Animal Health (Scotland) Regulations 2009 will be conducted every fourth year. The category of the site will be reassessed on a routine basis and updated as required.

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

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

No mortality had been observed on site since the last inspection by Marine Directorate .

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

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

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



Signed:

Fish Health Inspector

Date: 11/12/2023

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FHI 059, Version 13		Issued by: FHI	Date of issue: 12/05/2020		
Case No: 2023-0523			Date of visit: 22/11/2023		
Time spent on site:	0hrs	Main Inspec	tor:		
Site No: FS1080 Business No: FB0095	Site Name: Business Name:	Bay of Cleat (North) Cooke Aquaculture Scotland	Ltd		
Case Types: 1 REG	2 3	4 5	6		
Water Temp (°C):	Thermometer No:		FHI 045 completed		
Observations:	Region: OR	Water type: S	CoGP MA: O-1		
Dead/weak/abnormally behavir Clinical signs of disease observed? Gross pathology observed? Diagnostic samples taken?	•	If yes, see additional info	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:					
Adverse weather did not permit visit					

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

Fish will be transferred to Skelwick Skerry and potentially onto Moclett (if being used next year).

Treatments on site: only FW treatment conducted - Wk37, brought caligus levels down as well as managing AGD/gill health on site.

ROV used to remove morts. Divers only are called out to site when required (~2 weeks).

Health staff on site every week; sampling conducted every week.

Paperwork inspected: Mass mortality appendix, containment plan and marine biosecurity plan and all deemed satisfactory.

Farm management agreement highlights that sites does not fallow sychronously and does not stock synchronously either. Risk assessment in place and inspected - deemed satisfactory.

Due to adverse weather, the site inspection was not conducted. Therefore only paperwork was inspected remotely. Movement and waste transfer records not inspected due to not being able to get to Orkney to inspect these records.

FHI 059, Version	on 13		Issued	d by: FHI		Date of issue: 12/05/2020
Case No:	2023-0523	]	Site No:	FS1080	]	
Date of Visit:		22/11/2023	]		Inspector(s):	
Registration/	Authorisation	Details				
1. Business/sit	e details sumn	nary checked by s	ite representati	ve?		Υ
2. Changes ma	ade to details?					N
Site Details (in	nclude cleane	r fish for all sect	ions)			
Total No facilit	es	16	Facilities stock	ed	16	No facilities inspected
Species	SAL					
Age group	2023 S1					
No Fish	357,080					
Mean Fish Wt	1.9kg					
Next Fallow Da		Jan 2024		Next Input Date	o (Sito)	April 2024
Recent (last 4	•			•	_ ` ′	(since last visit)?
If yes, detail:	AGD - gill hea				rary cocapes	(diffee last visit):
4. Are movements. Are records 6. Are health comments. Transport Records. Are any movements.	ent records ava complete and ertificates for in cords vements carrie	correctly entered?  ailable for dead fis correctly entered?  ntroductions (outw  d out by (or on be ace for maintenan	sh and waste? ? vith GB) availab half) of the busi	ness (not using	a STB)?	
Mortality Rec						
•		for inspection?			Other (detail)	
<ol><li>How are mo If other detail:</li></ol>		n seal bags from	Mostray than	to Doupoboy	Other (detail)	
		and correctly ent		to Douriebay.		
o. Wortanty roo		and correctly one		1378. 0.38%: WI	k44, 2346, 0.65	5%; Wk43, 986, 0.27%; Wk42, 12
4. Recent mort	ality (last 4 wk	s):		n/jellyfish and er		, , , , , , , , , , , , , , , , , , , ,
5. Evidence of	recent increas	ed/atypical mortal	lities?			
If yes, facility n	os/no mortality	per facility/no sto	ock per facility/re	eason:		
6 Any other no	aka in martalit	n, during poriod of	a alka dO			
f yes, detail:	eaks in mortain	ty during period ch	ieckeu?			
•	sed (unexplain	ed) mortalities be	en reported to v	et or FHI?		
If yes, detail ac	•	Jay mortantico be	5.1.10portou to 1			
•		en reported to FHI	? If no, enter de	etails on mortality	y events sheet.	

FHI 059, Version 13	Issued by: FHI	Date of issue: 12/05/2020
Till 059, Version 15	issueu by. Fili	Date of Issue. 12/03/2020
Freatments and Medicines Records		
1. Recent treatments (see comment)?		
If yes, detail: T.M.S		
f other, detail:		
<ol><li>Medicines records available for inspection</li></ol>	on?	
<ol><li>Are records complete and correctly ente</li></ol>	red?	
4. Are fish in a withdrawal period?	<u></u>	
5. If yes, what treatment(s)?	T.M.S	
f other, detail:		
6. Are medicines stored appropriately?		
Diagonitis Doggada		
Biosecurity Records	ion2	
Biosecurity records available for inspect     Healths manner and frequency of morte		on considered?
• •	lity removal, recording and safe disposal be	
3. Has the manner and period in which the (unexplained) mortality at the site been inc	APB will notify Scottish Ministers or vetering cluded?	ary professional of any <i>increased</i>
•	vent that the presence or suspicion of the pr	resence of a listed disease is detected
5. Has the health status of aquaculture ani certification if required)?	mals being stocked on the farm site been co	overed (equal or higher health status,
•	asures implemented between each epidemi	
7. Is documentation available regarding the neld on site?	e measures in place to maintain the physica	l containment of aquaculture animals
3. Have the biosecurity procedures been a	dequately implemented on site?	
f no, detail:		

## **Results of Surveillance**

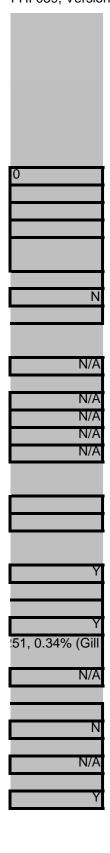
- 1. Has any animal health surveillance been carried out by, or on behalf of, the business?
- 2. If yes, are results available for inspection?
- 3. Any significant results?

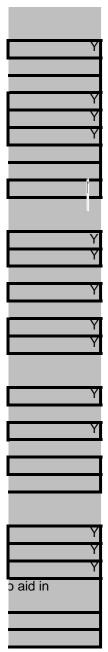
If yes, detail (if not detailed under recent disease problems).

AGD; scores 1-3. FW treatments being used to reducing burden.

Records checked between:

12/09/2023-22/11/2023





FHI 059, Version 13		Issued by: FHI			Date of	of issue	: 12/05/2020
Case Number:	2023-0523		Site No:	FS1080		Insp:	
Date of Visit	22/11/2023		No of m	ovements/s	supp./dest.		Score
Live fish movements			0	1-5	6-10	>10	
Movements on (from out	Frequency of m	novements on from equivalent MS	0	5	10	14	0
with GB) of susceptible species		novements on from equivalent zone or	0	9	10	26	
ороснос	Number of supp	ocluding third country	0			14	0
May remainted off				ļ			10
Movements off	Frequency of m		0			10	10
Exposure via water	Trainibor or door	Site contacts					
Water contacts with other		ed (secure water supply through		I			
farms (holding species	disinfection or b	•	0				
susceptible to same diseases)		or in a coastal zone with category I 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		
	iairiis upstreair	TOT WITHIN T LIGAT EXCUISION		4	٥		
Management practices			None	Secure	Unsecure		
Water contacts with processors	Any processing	plant discharging into adjacent waters	0	1	2		0
On farm processing within	No on farm pro	cessing	0	]			0
the rules of the directive	Processing own	n fish (re-cycling risk)	1	-			Ü
	Processing fish	from MS of equivalent status	2	1			
	Processing fish equivalent statu	from zone or compartment of	4				
		from Category III farm	8				
	Processing fish	from Category V farm	10				
Disposal of fish and fish by-	Site's own wast	e only processed.	0	j			
products	Common proce	sses with other farms	3	-			3
	Collection point	for waste from other farms	5	-			
Use of unpasteurised feeds	No fooding of u	npasteurised feed	0	ן 1			
Ose of unpasteurised feeds	Feeding unpas	<u>.</u>	5				
Biosecurity	r ccairig aripas	Number of sites	ļ	J	≥ 4		
Contacts with other sites	Sites operating	from single shorebase			2		1
		aff and equipment	0		2		0
Disinfection of equipment	Yes		<u> </u>	! 1			
between sites, use of	No		0	-			0
footbaths etc	110		1	J			
CoGP/Regulator	Voc		1	1			
Practices in accordance with regulator or industry	Yes		0				0
code of practice	No		3				
Platform access to cages	Yes		T 0	1			0
i lationii access to cages	No		2				0
	1.10			J			
					Total		22
					Rank		MEDIUM

FHI 059, Version 13		Issued by: FHI	Date of issue: 12/05/2020
Case No:	2023-0523		Site No:
3. Does the site have access	ea lice problems in the ement Area (or equivate to a range of licence	alent) fallowed synchronously on a single y	cluding deltamethrin, azamethiphos and eman
4. Is there a signed documen	ted farm manageme	nt agreement or statement relevant to the s	ite and CoGP Farm Management Area (or equ
	•	ion? (Legal SSI, CoGP Annex 6) dard specified in the SSI and the CoGP? (L	egal SSI, CoGP Annex 6)
7. Are sea lice (L. salmonis)	record levels below t	he suggested criteria for treatment in the Co	oGP during the period that records are inspect
8. Have average adult female that records are inspected?	sea lice ( <i>L. salmoni</i>	is) numbers per fish been at a level of 3 or a	above (prior to w/b 10/6/19) or 2 or above (fror
-		h Inspectorate? If no, FHI see comment.  onsidered to cause significant welfare proble	ems? (CoGP 4.3.81, 5.3.50)
10. Have therapeutic treatme elongatus is considered to ha			levels have exceeded the suggested criteria for
13. Are treatments, where con	nts or the actions takenducted, carried out	cable)?  ken had a significant impact upon the lice le in cooperation between participating farms?  re fewer populations or part populations are	?
15. Is there a site specific writinfestation?	tten lice managemer	nt procedure with waypoints describing set a	actions to deal with recognised scenarios durir
16. Do the sea lice levels obs	erved on stocks refle	ect sea lice count data? If no please detail re	easons.
· ·	• •	ue to predators in the current or previous proredation experienced on site? (Detail below	-
If Yes proceed with questions 4. Have these been reported 5. Have these been reported	4 – 9. If No skip to o to Scottish Ministers to local DSFB forthw		· I.17)
7. Were methods (if any) use	d to recover escape	es? If yes give detail	
8. If gill nets were deployed w	as this action agree	d with local wild fish interests and was perm	nission given by Scottish Ministers? (Legal, Co
be considered under satis	factory measures	e the risk of further escapes? (Not covered in of the Act) ds to containment? If no, please detail reasons.	

FS1080	
	N
	N N Y
nectin benzoate) as well as	Υ
uivalent)?	Υ
,	
	Y Y
	Υ
ted? (CoGP Annex 6)	Υ
m w/b 10/6/19) during the period	N
	N/A
	N
or treatment or where C.	Υ
	Υ
	Y Y Y
	Y
ng the escalation of a sea lice	Y
.9 0000	
	N
	Υ
	N
GP – 4.4.38, 5.4.18)	
1. 1.00, 0.4.10)	
	IN1/A
	N/A

FHI 059, Version 13	Issued by: FHI	Date of issue: 12/05/2020
Case No: 2023-0523	Site No: FS1080	
Date of Visit: 22/11/2023	Inspector:	
Point of Compliance	with in a form management area?	
1. Is the farm under inspection located w		Y
If N, no further questions require comple	HION.	
Points of Compliance for Both Farm I	Management Agreements and Statemen	ts
•	eement or statement (FMAg/S) been prepa	
<ol><li>Is the current FMAg/S available for ins</li></ol>	•	Y
4. Does the FMAg/S identify the relevant	•	Y
5. Does the FMAg/S identify the fish farm	m site(s) to which it applies? commencement of the agreement or state	ment?
7. Does the FMAg/S identify the date of	•	Y
Arrangements for Fish Health Manage		
8. Does the FMAg/S identify the minimulation?	m health standards for the stocks to be intr	roduced to the area or Y
9. Does the FMAg/S identify the vaccina	ation requirements for stocks held in the are	ea or farm?
	es of fish which may be stocked into the are	
11. Does the FMAg/S identify the maximindividual farm?	num stocking density of any pen on any fari	m in the area or the
12. Does the FMAg/S identify the arrang fish farm in the area or the individual far	gements for the storage and disposal of any	y dead fish from any
Arrangements for The Management o		
13. Does the FMAg/S identify arrangement	ents for the sharing of data on sea lice num	nbers and treatments?
	bility and the use of medicines on farms co	vered by the agreement Y
of statement?		V.
15. Does the FMAg/S identify any requir lice on farms in the area or individual far	rements for the sensitivity testing of availab rms?	le treatments for sea
16. Does the FMAg/S identify the circum	nstances under which biological controls an	nd cleaner fish are to be
used on farms in the area or individual fa		
17. Does the FMAg/S identify the arrang	gements for synchronous treatments on far	ms within the area?
Live Fish Movements		
18. Does the FMAg/S identify the circum area or farm?	nstances when live fish may be introduced	
	gements for the movement of live fish on ar	nd off sites in the area

FHI 059, Version 13	Issued by: FHI	Date of issue: 12/05/2020
Harvesting 20. Does the FMAg/S identify acceptable	harvest practices on farms in the area or indiv	vidual farms?
date when a farm or area may be restock		
22. Does the FMAg/S identify whether one agreement or statement?	e or more year classes may be stocked onto s	sites covered by the Y
23. Does the FMAg/S identify whether brocovered by the agreement or statement?	oodstock or potential broodstock are to be kep	t on any site
Point of Compliance for Farm Manager 24. Does the farm management agreeme parties to the agreement?	ment Agreements Only ont include arrangements for persons to becon	ne, or cease to be, N/A
Management and operation 25. Is the fish farm being managed and op 26. What is the version no/date of issue o	perated in accordance with the agreement or some fithe FMAg/S?  Created July 2023/ signs.	

Case No: 2023-0523 Date of visit; 22/11/2023  Site No: FS1080 Inspector:  Results Summary Freq. Date of Notification  Database Insp Phone Insp Writing Insp 2 <sup>nd</sup> Ir
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REG 22/11/2023



# FISH HEALTH INSPECTORATE VISIT REPORT

### **SUMMARY FOR INFORMATION OF SITE OPERATOR**

**BUSINESS NO** FB0095 **DATE OF VISIT** 22/11/2023

SITE NO FS1080 SITE NAME Bay of Cleat (North)

CASE NO 20230523 INSPECTOR

On this occasion the site could not be inspected be to adverse weather conditions not permitting the site to be visited. An inspection will be rescheduled at a later date.

## 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:

Mortality records were inspected and found to be adequately maintained.

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

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

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

Medicine records were inspected and found to be adequately maintained.

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

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

On this occasion the site could not be visited and the measures in place for the control of parasites and containment of stock could not be assessed. The site was found to be satisfactory with regards to fish farm management agreements and statements.

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



Signed:

Fish Health Inspector

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

Date: 22/11/2023