FHI 059, Version 13	Issue	ed by: FHI	Date of issue: 12/05/2020
Case No: 2023-0081			Date of visit: 11/10/2023
Time spent on site:	2.5 hrs	Main Inspect	or:
Site No: FS1267 Business No: FB0169	Site Name: Business Name:	Gometra Bakkafrost Scotland	
Case Types: 1 REP	2 REG 3	4 5	6
Water Temp (°C):	Thermometer No:	T304	FHI 045 completed
Observations:	Region: ST	Water type: S	CoGP MA M-37
Dead/weak/abnormally behavin Clinical signs of disease observ Gross pathology observed? Diagnostic samples taken?	ig fish present? /ed?	If yes, see additional info If yes, see additional info If yes, see additional info	rmation/clinical score sheet. rmation/clinical score sheet. rmation/clinical score sheet.
UNI/REG only - if unable to car	ry out intended visit detail rea	son below:	
	Adverse weather p	prevented access to site	

Additional Case Information:

Paperwork by , observed by

High winds prevented access to site, paperwork completed at shorebase. Site staff were unable to undertaken daily duties at site due to adverse weather. Site observed on camera's at shorebase and large swell going through site which is exposed, especially to westerly winds. Fish are fed from shorebase feeding station, they were observed shoaling well.

Site manger reported that mortalities have decreased as water temperatures have decreased, although temperatures are still reported to be over 14oC, (14.2oC was displayed by site systems at time of inspection).

Site staff controlling/monitoring feeding from shorebase reported that wrasse could be observed feeding on sea lice, where as the lumpfish didn't display the same behaviour. Bakkafrost are reported to be moving from lumpfish to wrasse for cleaner fish and these were reported to be the last batch of lumpfish that will be input to a Bakkafrost site.

The pens on the westerly side of the site were reported to be worst affected by microjellies (muggiae), although all cages suffered mortalities. From most recent health report muggiae were still being observed in the 5m and 10m trawls, although other species of micro jellyfish were now at lower levels.

Site reportedly trialled skirts to keep microjellies out of cages, these were reported to be ineffective, aeration was also used and this was reported to have a positive effect, with the numbers of microjelly fish observed in cages reportedly almost half of that outside.

WRA mortality w/b 09/10 - 13 (0.07%), w/b 02/10 - 71 (0.36%), w/b 25/09 - 255 (1.29%), w/b 09/10 - 459 (2.26%) LUM mortality w/b 09/10 - 31 (0.11%), w/b 02/10 - 65 (0.24%), w/b 25/09 - 274 (0.99%), w/b 18/09 - 475 (1.69%) Worst affected pen (pen 2) was harvested on 10/10/23 and the second worst affected pen (pen 14) is due to be harvested next week (W/B 16/10/23), the site manager expected the mortalities to drop below 1% after pen 14 was harvested.

FHI 059, Version 13			Issu	ied by: FHI			Date of issu	e: 12/05/2020
Case No:	2023-0081]	Site No:	FS1267	7			
Date of Visit:		11/10/202	23		Inspector(s):			I
Registration/Autho	risation Det	ails	., ,					-
1. Business/site deta 2. Changes made to	ails summary details?	checked by	site representa	ative?			Y Y	-
								•
Site Details (includ	e cleaner fis	sh for all sec	ctions)	aliad	15		a increated	16
Species	CAL		Facilities sto	оскеа	15	No facilitie	sinspected	10
	SAL 2022-03	Wild	2022					
No Fish	2022 Q3	10.500	2022					
Mean Fish Wt	339,000 3kg	19,500 Mixed	27,000 Mixod	-	-			
Next Fallow Date (S	ite)	Feb 2024	IVILXED	Next Input Da	ate (Site)	Sept 2024		
Recent (last 4 wks)	disease prob	lems?		N	Any escapes	(since last	visit)?	N
If ves. detail:						(0.1100 10.01		
··· , -···								
Movement Records	S							
1. Movement record	s available fo	or inspection	?					Y
2. Date of last inspe	ction:						21/06/2023	
3. Are records complete and correctly entered?					Y			
4. Are movement re	cords availab	ole for dead f	ish and waste?	?				Y
5. Are records comp	lete and corr	ectly entered	d?					Ŷ
6. Are health certific	ates for intro	ductions (out	twith GB) availa	able?				N/A
Transport Records								
1 Are any movement	nts carried ou	it by (or on b	ehalf) of the bi	usiness (not us	ing a STB)?			-
If ves, is there a syst	tem in place	for maintena	nce of transpo	rtation records	?			
Mortality Records								
1. Mortality records a	available for i	inspection?						Y
2. How are mortalitie	es disposed o	of?			Whole fish -	Dundas Che	emicals	
If other detail:								
3. Mortality records	complete and	d correctly er	ntered?					Y
			wk 41 (09/1	0 to 11/10) - 1.	033 (0.30%), V	VK 40 - 5,82	24 (1.69%), V	VK 39
(11,580), WK 38 - 17,344 (4.63%) - Main cause of mortality gill issues								
4. Recent montality (idsi 4 wks).	at unical mort	allinduled to	jelly lish earlie	r in summer 2	023.		
If yes, facility nos/no mortality ner facility/no stock ner facility/reason:								
Mortalities across all cages on site - attributed to gill damage due to microielly fish								
6 Any other peaks in mortality during period checked?								
If yes, detail: Refer to Mortality Event spreadsheet								
7. Have increased (unexplained)	mortalities b	een reported to	o vet or FHI?				N/A
If yes, detail action:	,							
8. Have 'mortality ev	ents' been re	eported to FI	I? If no, enter	details on mor	tality events sh	neet.		Y

Treatments and Medicines Records				
1. Recent treatments (see comment)?		Y		
If yes, detail: Otpomease				
If other, detail:				
2. Medicines records available for inspection?		Y		
3. Are records complete and correctly entered?		Y		
4. Are fish in a withdrawal period?		N		
5. If yes, what treatment(s)?				
If other, detail:				
6. Are medicines stored appropriately?		Y		
Biosecurity Records 1. Biosecurity records available for inspection? 2. Has the manner and frequency of mortality removal, record 3. Has the manner and period in which the APB will notify Sca <i>increased (unexplained)</i> mortality at the site been included? 4. Has the action that will be taken in the event that the prese is detected been included and <i>how</i> and <i>when</i> that will be not 5. Has the health status of aquaculture animals being stocked health status, certification if required)?	ding and safe disposal been considered? ottish Ministers or veterinary professional of any ence or suspicion of the presence of a listed disease tified to Scottish Ministers? d on the farm site been covered (equal or higher			
 6. Have the husbandry and biosecurity measures implemented transmission of disease been covered (movement of staff, vis 7. Is documentation available regarding the measures in place aquaculture animals held on site? 8. Have the biosecurity procedures been adequately implemented in the procedures been adequately implemented i	ed between each epidemiological unit to minimise sitors, equipment, live or dead fish etc.)? Se to maintain the physical containment of ented on site?			
Results of Surveillance 1. Has any animal health surveillance been carried out by, or 2. If yes, are results available for inspection? 3. Any significant results?	on behalf of, the business?	Y Y Y		
If yes, detail (if not detailed under recent disease problems).				
SRS lesion reported visually, mostly environmental damage t				
Records checked between:	21/06/23 to 11/10/23			

Case No:	2023-0081			Date of visit:	11/10/2023]		
Site No:	FS1267	1		Inspector:		I		
Results Summary	Freq.			Da	te of Notificat	tion		
		Database	Insp	Phone	Insp	Writing	Insp	2 nd Insp
					=		-	
	L		-		=			

Report Summary			
Case Type	Date	Insp	2 nd Insp
REG, REP	23/11/2023		



FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

 BUSINESS NO
 FB0169

 SITE NO
 FS1267

 CASE NO
 20230081

DATE OF VISIT 11/10/2023 SITE NAME Gometra

Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

The above site was inspected following reports of mortalities above the reporting thresholds for a prolonged period. Due to adverse weather conditions the site could not be accessed. Mortality levels were monitored and fell below the reporting threshold following the visit.

Records

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 Scotland were available for inspection.

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.

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



Signed:

Date: 23/11/23

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)

R10

Marine Laboratory, 375 Victoria Road, Aberdeen, AB11 9DB Tel - 0131 244 3498 Fax - 0131 244 0944 Email - <u>ms.fishhealth@gov.scot</u> Website - <u>www.gov.scot/Topics/marine/science</u>

FHI 059, Version 13	Issue	ed by: FHI	Date of issue: 12/05/2020
Case No: 2023-0161			Date of visit: 12/10/2023
Time spent on site: 3.	5hrs	Main Inspecto	or:
Site No: FS1067 Business No: FB0456	Site Name: Business Name:	Inverawe (East) Etive 2 Dawnfresh Farming Ltd	
Case Types: 1 ECI 2	2 CNI 3 SLI	4 VMD 5] 6
Water Temp (°C): 11.62	Thermometer No:	T304	FHI 045 completed
Observations:	Region: ST	Water type: S	CoGP MA: M-36
Dead/weak/abnormally behaving Clinical signs of disease observed Gross pathology observed? Diagnostic samples taken?	fish present? d? out intended visit detail rea	N If yes, see additional inform N If yes, see additional inform N If yes, see additional inform N Son below:	mation/clinical score sheet. mation/clinical score sheet. mation/clinical score sheet.

Additional Case Information:

Paperwork and Inspection by and, observed by and, Inspector Competency audit conducted by and. Stock details and BMP inspected on 11/10/23 prior to site inspection, remaining paperwork inspected on 12/10/23 at shorebase. Site currently consists of 6 x 60m circles, stocked with 2 pens of 2021 year class (48,183 @ 1.407kg) and 4 pens of 2022 year class (96,121 @ 1.430kg).

No inputs to site since Jan 2023, fish are normally input to site before being split to other sites within Loch Etive. Current applications in planning system to change species from rainbow trout to Atlantic salmon. It was reported that the intention was thought to be to use the sites as nursery sites if successful in changing species. It was reported that no fish had been taken on to site with the intention of fallowing the loch (dependant on out come of planning application) of rainbow trout. No issues noted on site, fish were observed shoaling well and no sea lice were observed on the fish sampled for VMD.

All sites within Loch Etive are now reported to have seal pro nets with triple panelling at the waterline and the base of the net. Historically it was reported that from mid November the salinity in the sea loch drops, until spring the following year, which reduces the need to conduct sea lice treatments.

Sites have switched to Aquafarmer in June 2023, prior to this records are in a different system.

Scottish Sea Farms (SSF) also operate within the FMA, no FMAg in place ,but a copy of SSF FMS was available and it was reported that regular communications are held between Dawnfresh and SSF. An MoU is in place between Dawnfresh and SSF and Dawnfresh also have a risk assessment for not synchronously fallowing their sites.

Site manager reported that with the heavy rainfall experienced recently the water temperatures had dropped by a couple of degrees over the last 2 weeks.

FHI 059, Version 13			Issued by: FHI			Date of issue	e: 12/05/2020
Case No:	2023-0161	Site No:	FS106	7			
Date of Visit:		12/10/2023		Inspector(s)	:		
Registration/Autho 1. Business/site deta 2. Changes made to	orisation Detai ails summary c details?	ls hecked by site repres	entative?			Y N	
Site Details (includ Total No facilities Species	e cleaner fish RTR	for all sections) Facilities	s stocked	6	No facilitie	es inspected	6
Age group No Fish	MVG 144.304			-	_		
Mean Fish Wt	1.423kg						
Next Fallow Date (S	ite)	Dec 2023	Next Input D	ate (Site)	Unknown		
Recent (last 4 wks)	disease proble	ms?	1	Any escape	s (since last	visit)?	N
If yes, detail:							
Movement Records 1. Movement records available for inspection? 2. Date of last inspection: 3. Are records complete and correctly entered? 4. Are movement records available for dead fish and waste? 5. Are records complete and correctly entered? 6. Are health certificates for introductions (outwith GB) available? Transport Records						Y Y Y Y Y	
If yes, is there a sys	tem in place fo	r maintenance of tran	sportation records	\$?		l	Y
Mortality Records		and the D					
2. How are mortality	available for ins	spection?		Piegos En	orgon Cum	ornould	1
2. How are mortalities disposed or? Diogas - Energen, Cumpernauid							
3 Mortality records	complete and o	correctly entered?					Y
4 Recent mortality (last 4 wks).	5 197 (3	5%) between 01/	09/23 to 12/10	1/23		
5 Evidence of recer	nt increased/at	vpical mortalities?		00/20 10 12/10	120		N
If ves, facility nos/no	mortality per f	acility/no stock per fac	cility/reason:			L	
6. Any other peaks in mortality during period checked?					Y		
If yes, detail: Refer to FHI Mortality Information for details							
7. Have increased (unexplained) mortalities been reported to vet or FHI? Y							
If yes, detail action:	F	For plankton blooms,	feeding was stopp	ed and increa	sed monitor	ing.	
8. Have 'mortality ev	ents' been rep	orted to FHI? If no, er	nter details on mor	rtality events s	heet.		Y

Treatments and Medicines Records		
1. Recent treatments (see comment)?		Y
If yes, detail: T.M.S., Azamethiphos		
If other, detail:		
2. Medicines records available for inspection?		Y
3. Are records complete and correctly entered?		Y
4. Are fish in a withdrawal period?		Y
5. If yes, what treatment(s)?	T.M.S., Azamethiphos	
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, rec	ording 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	d?	Y
4. Has the action that will be taken in the event that the pre	esence or suspicion of the presence of a listed disease	
is detected been included and how and when that will be r	notified to Scottish Ministers?	Y
5. Has the health status of aquaculture animals being stocl	ked on the farm site been covered (equal or higher	Y
health status, certification if required)?		
6. Have the husbandry and biosecurity measures impleme	nted 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 pl	lace to maintain the physical containment of	Y
aquaculture animals held on site?		
8. Have the biosecurity procedures been adequately imple	mented 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:	05/10/22 to 12/10/23	

Case Number:	2023-0161	Site No:	FS1067		Insp:	
Date of Visit	12/10/2023	No of m	ovements/s	supp./dest.		Score
Live fish movements		0	1-5	6-10	>10	
Movements on (from out	Frequency of movements on from equivalent MS	0	5	10	14	5
with GB) of susceptible	Frequency of movements on from equivalent zone of	r o	9	18	26	0
	Number of suppliers	0	5	10	14	5
Mayamanta off				6	10	6
iviovements off	Number of destinations	0	3	6	10	3
Exposure via water	Site contact	ts 0	1-5	6-10		
Water contacts with other farms (holding species	Farm is protected (secure water supply through disinfection or borehole)	0				
susceptible to same diseases)	Farm is on-line or in a coastal zone with category I farms upstream or within 1 tidal excursion	1	2	4		2
	Farm is on-line or in a coastal zone with category III farms upstream or within 1 tidal excursion	1	3	6		
	Farm is on-line 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 water	rs O	1	2		1
On farm processing within	No on farm processing	0	1			
the rules of the directive	Processing own fish (re-cycling risk)	1	1			1
	Processing fish from MS of equivalent status	2	•			
	Processing fish from zone or compartment of equivalent status	4				
	Processing fish from Category III farm	8	1			
	Processing fish from Category ∨ farm	10	1			
Disposal of fish and fish by-	Site's own waste only processed.	0	ī			
products	Common processes with other farms	3	1			3
	Collection point for waste from other farms	5	1			
Use of unpasteurised feeds	No feeding of unpasteurised feed	0	i			0
	Feeding unpasteurised feed	5	1			
Biosecurity	Number of site	es 1	2 or 3	≥ 4		
Contacts with other sites	Sites operating from single shorebase	0	1	2		2
	Sites sharing staff and equipment	0	1	2		2
Disinfection of equipment	Yes	0	1			
between sites, use of footbaths etc	No	1	1			1
CoGP/Regulator			J			
Practices in accordance	Yes		1			0
with regulator or industry	No		-			0
code of practice		3	J			
Platform access to cages	Yes	0	1			0
	No	2				
				Total Rank		31 HIGH

FHI 059, Version 13	Issued by: FHI	Date of issue: 12/05/2020
Case No: 2023-0161	Site No:	FS1067
Sea Lice Inspection (Seawater Sites 1. Has the site experienced sea lice pro 2. Is the CoGP Farm Management Area 3. Does the site have access to a range azamethiphos and emamectin benzoat can these be deployed in a reasonable	Only) oblems in the previous 4 years? a (or equivalent) fallowed synchronously on a single e of licenced in-feed and bath sea lice medications (ir e) as well as access to suitable biological and/or med period of time?	year class basis? ncluding deltamethrin, chanical control measures, and
4. Is there a signed documented farm r Management Area (or equivalent)?	nanagement agreement or statement relevant to the	site and CoGP Farm Y
 5. Are sea lice count records available 6. Do records adequately reflect the red 	for inspection? (Legal SSI, CoGP Annex 6) quired standard specified in the SSI and the CoGP? (Legal SSI, CoGP Annex 6) Y
7. Are sea lice (<i>L. salmonis</i>) record lev records are inspected? (CoGP Annex	els below the suggested criteria for treatment in the C 6)	CoGP during the period that N
8. Have average adult female sea lice (2 or above (from w/b 10/6/19) during th	(<i>L. salmonis</i>) numbers per fish been at a level of 3 or e period that records are inspected?	above (prior to w/b 10/6/19) or Y
If yes, have these been reported to the 9. Is <i>C. elongatus</i> infestation at a level	Fish Health Inspectorate? If no, FHI see comment. which is considered to cause significant welfare prob	olems? (CoGP 4.3.81, 5.3.50)
10. Have therapeutic treatments been a suggested criteria for treatment or whe	administered or other actions taken when <i>L. salmonis</i> re <i>C. elongatus</i> is considered to have welfare implica	ations? (CoGP 4.3.82, 5.3.51)
11. Has any other action been taken (w12. Have therapeutic treatments or the13. Are treatments, where conducted, o14. Is there a harvesting strategy for thesea lice?	/here applicable)? actions taken had a significant impact upon the lice le carried out in cooperation between participating farms e site, where fewer populations or part populations ar	evels recorded? ?? Y Y Y Y Y Y Y Y Y Y Y Y Y
15. Is there a site specific written lice m scenarios during the escalation of a se	nanagement procedure with waypoints describing set a lice infestation?	actions to deal with recognised Y
16. Do the sea lice levels observed on	stocks reflect sea lice count data? If no please detail	reasons. Y
Containment Inspection 1. Has the site experienced equipment 2. Are measures in place to mitigate ag Seal pro nets, top nets, tensioned n If other, detail below:	damage due to predators in the current or previous p gainst the predation experienced on site? (Detail below nets	w)
 Have escape incidents or events be If Yes proceed with questions 4 – 9. If I 4. Have these been reported to Scottist 5. Have these been reported to local D 6. Have these been reported to the SSI 	en experienced on or in the vicinity of the site since the No skip to question 10 h Ministers? SFB forthwith (where they exist)? (CoGP – 4.4.37, 5. PO and local fisheries trusts forthwith (where they exist)	N .4.17) st)? (CoGP – 4.4.37, 5.4.17)
7. Were methods (if any) used to recov	ver escapees? If yes give detail	
8. If gill nets were deployed was this ac Ministers? (Legal, CoGP – 4.4.38, 5.4.	tion agreed with local wild fish interests and was perr 18)	nission given by Scottish
 What action was taken to prevent an be considered under satisfactory m Is the site inspected as satisfactory 	nd minimise the risk of further escapes? (Not covered neasures of the Act) with regards to containment? If no. please detail reas	in code but could son(s)

FHI 059, Version 13	Issued by: FHI	Date of issue: 12/05/2020
Case No: 2023-0161	Site No: FS1067	
Date of Visit: 12/10/2023	Inspector:	
Point of Compliance 1. Is the farm under inspection located w If N, no further questions require complete Points of Compliance for Both Farm I 2. Has a current farm management agree 3. Is the current FMAg/S available for instance of the FMAg/S identify the relevant	vithin a farm management area? etion. Management Agreements and Statements eement or statement (FMAg/S) been prepare spection? t farm management area?	d? Y
 Does the FMAg/S identify the fish fam Does the FMAg/S identify the fish fam Does the FMAg/S identify the date of Does the FMAg/S identify the date of 	n site(s) to which it applies? commencement of the agreement or stateme review?	ent?
Arrangements for Fish Health Manage 8. Does the FMAg/S identify the minimut	e ment m health standards for the stocks to be introc	duced to the area or Y
9. Does the FMAg/S identify the vaccina 10. Does the FMAg/S identify the specie 11. Does the FMAg/S identify the maxim individual farm?	tion requirements for stocks held in the area es of fish which may be stocked into the area num stocking density of any pen on any farm	or farm? Y or farm? Y in the area or the Y
12. Does the FMAg/S identify the arrang fish farm in the area or the individual far	ements for the storage and disposal of any o rm?	dead fish from any Y
Arrangements for The Management o 13. Does the FMAg/S identify arrangement	f Sea Lice ents for the sharing of data on sea lice numb	ers and treatments? Y
14. Does the FMAg/S identify the availab	bility and the use of medicines on farms cove	ered by the agreement Y
15. Does the FMAg/S identify any require	ements for the sensitivity testing of available	treatments for sea Y
16. Does the FMAg/S identify the circum used on farms in the area or individual fa	nstances under which biological controls and arms?	cleaner fish are to be Y
17. Does the FMAg/S identify the arrang	ements for synchronous treatments on farms	s within the area? Y
Live Fish Movements 18. Does the FMAg/S identify the circum area or farm?	nstances when live fish may be introduced or	removed from the Y
19. Does the FMAg/S identify the arrang or individual farms?	ements for the movement of live fish on and	off sites in the area Y

FHI 059, Version 13	Issued by: FHI	Date of issue: 12/05/2020
Harvesting 20. Does the FMAg/S identify acceptable harvest prac	tices on farms in the area or individual farms?	Y
Fallowing 21. Does the FMAg/S identify the dates by which the a date when a farm or area may be restocked?	area or individual farm will be fallow and the ea	arliest Y
22. Does the FMAg/S identify whether one or more ye agreement or statement?	ar classes may be stocked onto sites covered	by the Y
23. Does the FMAg/S identify whether broodstock or p covered by the agreement or statement?	ootential broodstock are to be kept on any site	Y
Point of Compliance for Farm Management Agreer 24. Does the farm management agreement include ar parties to the agreement?	nents Only rangements for persons to become, or cease	to be, N/A
Management and operation 25. Is the fish farm being managed and operated in ac 26. What is the version no/date of issue of the FMAg/S	cordance with the agreement or statement? S? 22/05/2022	Y

Case No:	2023-0161			Date of visit:	12/10/2023			
Site No:	FS1067]		Inspector:		I		
Results Summary	Freq.			Da	te of Notifica	tion		
		Database	Insp	Phone	Insp	Writing	Insp	2 nd Insp
			-					
Report Summary								
Case Type	Date	Insp	2 nd Insp					
ECI, CNI, SLI, VMD	30/10/2023							

Report Ourninary			
Case Type	Date	Insp	2 nd Insp
ECI, CNI, SLI, VMD	30/10/2023		
	4		



FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS No FB0456 SITE NO FS1067 20230161 CASE NO

DATE OF VISIT 12/10/2023 SITE NAME INSPECTORS

Inverawe (East) Etive 2

Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

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

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

Records

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

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

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

Records in relation to aquaculture animals transported by the business were inspected and found to be adequately 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, 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: 30/10/23

Fish Health Inspector

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

FHI 059, Version 13	Issue	ed by: FHI	Date of issue: 12/05/2020
Case No: 2023-0162			Date of visit: 12/10/2023
Time spent on site: 3	.5 hrs	Main Inspecto	or:
Site No: FS1112 Business No: FB0456	Site Name: Business Name:	Etive 4 Dawnfresh Farming Ltd	
Case Types: 1 ECI	2 CNI 3 SLI	4 VMD 5] 6
Water Temp (°C): 11.8	Thermometer No:	Т304	FHI 045 completed
Observations:	Region: ST	Water type: S	CoGP MA: M-36
Dead/weak/abnormally behaving Clinical signs of disease observe Gross pathology observed? Diagnostic samples taken?	fish present? d? out intended visit detail rea	N If yes, see additional infor N If yes, see additional infor N If yes, see additional infor N son below:	mation/clinical score sheet. mation/clinical score sheet. mation/clinical score sheet.

Additional Case Information:

Paperwork, site inspection and sampling by the observed by the conducted an Inspector Competency audit. Stock details and BMP inspected 11/10/23 before site inspection, remaining paperwork completed on site on 12/10/23. 10 x 100m pens on site, 9 stocked at time of inspection. Site manager reported that site had consent for 12 cages. All pens fitted with seal pro nets, triple panel at the water line and the base of the net. Last EC inspection was 15/05/21, SLA was conducted on 06/10/21.

Site experienced high levels of L. salmonis during autumn 2021 and Autumn 2022, this was reportedly due to algal blooms within the loch which prevented treatments being conducted. Site manager reported that August 21 the sites experienced a quick resettlement of L. salmonis, which was attributed to a failure with the filters on the treatment boat (Skamik system). 1-2 fish observed per pen, with lesion behind dorsal fin, these fish were very active and shoaling with the general population, no dead or moribund fish observed during inspection. Most recent health reports detailed no conclusive bacteriology findings for cause of lesions.

Fish in most easterly cages observed facing in to the current, which was reportedly much stronger than usual due to increase water being released down the river Awe from the power station following the prolonged period of heavy rain. All fish appeared healthy and pens away from the two pens at the eastern end of the pen group, were shoaling normally. Fish sampled for VMD appeared in good condition, with no sea lice visible.

Unsure of future plans for site at present, currently applications in for changing species on site from RTR to SAL, outcome of those applications will determine the next stocking date, at present the site is due to fallow by the end of the year.

FHI 059, Version 13			Issu	ied by: FHI			Date of issue	e: 12/05/2020
Case No:	2023-0162]	Site No:	FS1112				
Date of Visit:		12/10/2023]		Inspector(s):			l
Registration/Authorisation Details 1. Business/site details summary checked by site representative? 2. Changes made to details?								
Site Details (includ	lo cloanor fic	h for all cost	ions)					
Total No facilities	le cleaner ns	10 all sect	Facilities sto	ocked	10	No facilitie	s inspected	10
Species	RTR							
Age group	MVG							
No Fish	296,922							
Mean Fish Wt	2.872kg							
Next Fallow Date (S	ite)	Dec 2023		Next Input Da	ate (Site)	Unknown		
Recent (last 4 wks)	disease prob	ems?		N	Any escapes	(since last	visit)?	Y
If yes, detail:	MSe151122	RTR1 - 0 fish	reported to h	ave been lost.				
Movement Records 1. Movement records available for inspection? 2. Date of last inspection: 3. Are records complete and correctly entered? 4. Are movement records available for dead fish and waste? 5. Are records complete and correctly entered? 6. Are health certificates for introductions (outwith GB) available? Transport Records 1. Are any movements carried out by (or on behalf) of the business (not using a STB)? If yes, is there a system in place for maintenance of transportation records?						Y Y Y N/A		
1 Mortality records	available for i	nspection?						Y
2. How are mortalitie	es disposed o	of?			Biogas - Ene	raen. Cumb	pernauld	
If other detail:					Dioguo Liio	igen, eann		
3. Mortality records	complete and	correctly ente	ered?					Y
4. Recent mortality (last 4 wks):	-	1,976 (2.599	%) for site betw	een 01/09/23	to 12/10/23		
5. Evidence of recer	nt increased/a	typical mortal	ities?	/				N
If yes, facility nos/no	mortality per	facility/no sto	ck per facility	/reason:				
6. Any other peaks i	n mortality du	iring period ch	necked?					Y
If yes, detail: Refer to FHI Mortality Information for details								
7. Have increased (unexplained) mortalities been reported to vet or FHI?						N/A		
If yes, detail action:			0.16					
8. Have 'mortality ev	ents' been re	ported to FHI	? If no, enter	details on mort	tality events sh	neet.		Y

Treatments and Medicines Records						
1. Recent treatments (see comment)?		Y				
If yes, detail: T.M.S., Salmosan						
If other, detail:						
2. Medicines records available for inspection?		Y				
3. Are records complete and correctly entered?		Y				
4. Are fish in a withdrawal period?		Y				
5. If yes, what treatment(s)?	T.M.S., Salmosan					
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, reco	ording 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 pres	sence or suspicion of the presence of a listed disease					
is detected been included and how and when that will be no	otified to Scottish Ministers?	Y				
5. Has the health status of aquaculture animals being stock	ed on the farm site been covered (equal or higher	Y				
health status, certification if required)?						
6. Have the husbandry and biosecurity measures implemen	ited between each epidemiological unit to minimise	Y				
transmission of disease been covered (movement of staff, v	visitors, equipment, live or dead fish etc.)?					
7. Is documentation available regarding the measures in pla	ace to maintain the physical containment of	Y				
aquaculture animals held on site?						
8. Have the biosecurity procedures been adequately implem	nented on site?	Y				
If no, detail:						
Results of Surveillance						
1. Has any animal health surveillance been carried out by, o	or on behalf of, the business?	Y				
2. If yes, are results available for inspection?		Y				
3. Any significant results?		Ν				
If yes, detail (if not detailed under recent disease problems).						
Records checked between:	15/06/21 to 12/10/23					

Case Number:	2023-0162		Site No:	FS1112		Insp:	
Date of Visit	12/10/2023		No of mo	ovements/s	supp./dest.		Score
Live fish movements			0	1-5	6-10	>10	
Movements on (from out	Frequency of n	novements on from equivalent MS	0	5	10	14	0
with GB) of susceptible	Frequency of n	novements on from equivalent zone or	0	0	10	26	0
openie	compartment in Number of sup	pliers	0	5	10	14	0
Meyomente off	Frequency of n		-		6	10	10
wovements on	Number of des	tinations	0	3	6	10	3
Exposure via water		Site contacts	0	1-5	6-10		
Water contacts with other farms (holding species	Farm is protect disinfection or I	ted (secure water supply through borehole)	0				
susceptible to same diseases)	Farm is on-line farms upstrean	or in a coastal zone with category I n or within 1 tidal excursion	1	2	4		2
	Farm is on-line farms upstrean	or in a coastal zone with category III n or within 1 tidal excursion	1	3	6		
	Farm is on-line farms upstrean	or in a coastal zone with category V n or within 1 tidal excursion	1	4	8		
Management practices			None	Secure	Unsecure		
Water contacts with processors	Any processing	g plant discharging into adjacent waters	0	1	2		1
On farm processing within	No on farm pro	cessing	0	1			
the rules of the directive	Processing ow	Processing own fish (re-cycling risk)					1
	Processing fish	n from MS of equivalent status	2				
	Processing fish from zone or compartment of equivalent status		4				
	Processing fish	n from Category III farm	8	1			
	Processing fish	n from Category V farm	10				
Disposal of fish and fish by-	Site's own was	te only processed.	0				0
products	Common proce	esses with other farms	3				3
	Collection poin	t for waste from other farms	5				0
Use of unpasteurised feeds	No feeding of u	inpasteurised feed	0	í			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						
between sites, use of footbaths etc	No		1				1
CoGP/Regulator							
Practices in accordance	Yes		0				0
code of practice	No		3				
Platform access to cares	Ves						
nationn access to cages	No		0				0
			2				
					Total Rank		25 MEDIUM
							- Internet and the second seco

FHI 059, Version 13	Issued by: FHI	Date of issue: 12/05/2020
Case No: 2023-0162	Site No:	FS1112
Sea Lice Inspection (Seawater Sites Or	nly)	
1. Has the site experienced sea lice proble	ems in the previous 4 years?	Y
2. Is the CoGP Farm Management Area (or equivalent) fallowed synchronously on a single y	vear class basis? N
 Does the site have access to a range o azamethiphos and emamectin benzoate) can these be deployed in a reasonable per 	f licenced in-feed and bath sea lice medications (in as well as access to suitable biological and/or mec eriod of time?	cluding deltamethrin, Y hanical control measures, and
4. Is there a signed documented farm man Management Area (or equivalent)?	nagement agreement or statement relevant to the s	ite and CoGP Farm
5. Are sea lice count records available for	inspection? (Legal SSI, CoGP Annex 6)	Y
6. Do records adequately reflect the requi	red standard specified in the SSI and the CoGP? (L	egal SSI, CoGP Annex 6) Y
7. Are sea lice (<i>L. salmonis</i>) record levels records are inspected? (CoGP Annex 6)	below the suggested criteria for treatment in the Co	oGP during the period that N
8. Have average adult female sea lice (<i>L</i> . 2 or above (from w/b 10/6/19) during the p	salmonis) numbers per fish been at a level of 3 or a period that records are inspected?	above (prior to w/b 10/6/19) or Y
If yes, have these been reported to the Fis	sh Health Inspectorate? If no, FHI see comment.	Y
9. Is <i>C. elongatus</i> infestation at a level wh	nich is considered to cause significant welfare proble	ems? (CoGP 4.3.81, 5.3.50) N
10. Have therapeutic treatments been adr suggested criteria for treatment or where	ninistered or other actions taken when <i>L. salmonis</i> <i>C. elongatus</i> is considered to have welfare implicat	levels have exceeded the Y tions? (CoGP 4.3.82, 5.3.51)
11. Has any other action been taken (whe	ere applicable)?	Y
12. Have therapeutic treatments or the ac	tions taken had a significant impact upon the lice le	vels recorded? Y
13. Are treatments, where conducted, car	ried out in cooperation between participating farms?	? N
14. Is there a harvesting strategy for the s sea lice?	ite, where fewer populations or part populations are	e held without treatment for Y
15. Is there a site specific written lice man scenarios during the escalation of a sea li	agement procedure with waypoints describing set a ce infestation?	actions to deal with recognised Y
16. Do the sea lice levels observed on sto	ocks reflect sea lice count data? If no please detail r	reasons. Y
Containment Inspection		
1. Has the site experienced equipment da	mage due to predators in the current or previous pr	roduction cycles?
2. Are measures in place to mitigate again	nst the predation experienced on site? (Detail below	/) Y
Seal Pro Nets, tensioned nets, top net	ts.	
If other, detail below:		
3. Have escape incidents or events been	experienced on or in the vicinity of the site since th	e last FHI inspection? Y
If Yes proceed with questions 4 – 9. If No	skip to question 10	
4. Have these been reported to Scottish M	/inisters?	Y
5. Have these been reported to local DSF	B forthwith (where they exist)? (CoGP - 4.4.37, 5.4	4.17) Y
6. Have these been reported to the SSPO	and local fisheries trusts forthwith (where they exis	t)? (CoGP – 4.4.37, 5.4.17) Y
7. Were methods (if any) used to recover	escapees? If yes give detail	N/A
8. If gill nets were deployed was this actio	n agreed with local wild fish interests and was perm	nission given by Scottish
Ministers? (Legal, CoGP – 4.4.38, 5.4.18)		N/A
9. What action was taken to prevent and r	minimise the risk of further escapes? (Not covered i	n code but could
be considered under satisfactory mea	All nets upgrade to Sea	IPro nets
10. Is the site inspected as satisfactory wi	th regards to containment? If no, please detail reas	on(s) Y

FHI 059, Version 13	Issued by: FHI	Date of issue: 12/05/2020
Case No: 2023-0162 Site No	: FS1112	
Date of Visit: 12/10/2023	Inspector:	
Point of Compliance		
1. Is the farm under inspection located within a f	farm management area?	Y
If N, no further questions require completion.		
Points of Compliance for Both Farm Manage 2. Has a current farm management agreement of 3. Is the current FMAg/S available for inspection 4. Does the FMAg/S identify the relevant farm m 5. Does the FMAg/S identify the fish farm site(s) 6. Does the FMAg/S identify the date of comment 7. Does the FMAg/S identify the date of review?	ement Agreements and Statements or statement (FMAg/S) been prepare n? nanagement area?) to which it applies? ncement of the agreement or statem	s ed? Y Y Y hent? Y Y
Arrangements for Fish Health Management 8. Does the FMAg/S identify the minimum health farm?	h standards for the stocks to be intro	duced to the area or Y
9. Does the FMAg/S identify the vaccination req 10. Does the FMAg/S identify the species of fish 11. Does the FMAg/S identify the maximum stor individual farm?	uirements for stocks held in the area n which may be stocked into the area cking density of any pen on any farm	a or farm? Y a or farm? Y in the area or the Y
12. Does the FMAg/S identify the arrangements fish farm in the area or the individual farm?	for the storage and disposal of any	dead fish from any Y
Arrangements for The Management of Sea L 13. Does the FMAg/S identify arrangements for	ice the sharing of data on sea lice num!	pers and treatments?
14. Does the FMAg/S identify the availability and of statement?	d the use of medicines on farms cov	ered by the agreement Y
15. Does the FMAg/S identify any requirements lice on farms in the area or individual farms?	for the sensitivity testing of available	e treatments for sea Y
16. Does the FMAg/S identify the circumstances used on farms in the area or individual farms?	s under which biological controls and	cleaner fish are to be Y
17. Does the FMAg/S identify the arrangements	for synchronous treatments on farm	is within the area? Y
Live Fish Movements 18. Does the FMAg/S identify the circumstances area or farm?	s when live fish may be introduced o	r removed from the
19. Does the FMAg/S identify the arrangements or individual farms?	for the movement of live fish on and	off sites in the area Y

FHI 059, Version 13	Issued by: FHI	Date of issue: 12/05/2020
Harvesting 20. Does the FMAg/S identify acceptable harvest prac	tices on farms in the area or individual farms?	Y
Fallowing 21. Does the FMAg/S identify the dates by which the a date when a farm or area may be restocked?	area or individual farm will be fallow and the ea	arliest Y
22. Does the FMAg/S identify whether one or more ye agreement or statement?	ar classes may be stocked onto sites covered	by the Y
23. Does the FMAg/S identify whether broodstock or p covered by the agreement or statement?	ootential broodstock are to be kept on any site	Y
Point of Compliance for Farm Management Agreer 24. Does the farm management agreement include ar parties to the agreement?	nents Only rangements for persons to become, or cease	to be, N/A
Management and operation 25. Is the fish farm being managed and operated in ac 26. What is the version no/date of issue of the FMAg/S	cordance with the agreement or statement? S? 22/05/2022	Y

Case No:	2023-0162			Date of visit:	12/10/2023			
Site No:	FS1112]		Inspector:		I		
Results Summary	Freq.			Da	te of Notifica	tion		
		Database	Insp	Phone	Insp	Writing	Insp	2 nd Insp
			-					
			-					
					-			
	ļ							
	l							
Report Summary								
	Date	Insp	2 nd Incn					
ECI, CNI, SLI, VMD	30/10/2023	mop						

Report Summary			
Case Type	Date	Insp	2 nd Insp
ECI, CNI, SLI, VMD	30/10/2023		
	_		
	_		
	_		
	_		



FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

 BUSINESS No
 FB0456

 SITE NO
 FS1112

 CASE NO
 20230162

DATE OF VISIT12/10/2023SITE NAMEEtive 4INSPECTORSImage: State Sta

Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

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

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

Records

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

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

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

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

Mortality records were inspected and found to be adequately maintained.

Mortality levels had exceeded the reporting criteria since the last inspection and had 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: 30/10/23

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		Issued by: FHI	Date of issue: 12/05/2020
Case No: 2023-0438			Date of visit: 02/10/2023
Time spent on site: 1.	5 hours	Main Inspect	tor:
Site No: SS0354 Business No: SB0525	Site Name: Business Name:	Kyle of Tongue Oysters Kyle of Tongue Oysters Ltd	
Case Types: 1 CER 2	2 ECI 3	4 5	6
Water Temp (°C): 13.7	Thermometer No:	T274	FHI 045 completed
Observations:	Region: HI	Water type: S	CoGP MA
Dead/weak/abnormally behaving Clinical signs of disease observed Gross pathology observed? Diagnostic samples taken?	rmation/clinical score sheet. rmation/clinical score sheet. rmation/clinical score sheet.		
UNI/REG only - if unable to carry	out intended visit detai	l reason below:	

Additional Case Information:

Site inspected at low tide. Bags were securely closed on trestles, some overgrowth with seaweed and some irregular shapes in smaller stock. Site rep stated the site required grading. No unusual mortality observed - if any unexplained mortality is observed (open shells with meat still inside shell) records will be kept detailing number of unexplained mortality and date. Empty shells, taken to Melness waste transfer for disposal. Paperwork conducted by email with business owner as she was not available at the time of inspection, reminded to record species of oyster in movement records. Sampling details of 30 CGI undertaken for CER on request of Morecambe Bay Oysters - results emailed to Morecambe Bay and business owner.

Site centre left batch: likely 2020 stock (85g approx.)

Shucking and sampling conducted by:

	-	
F1:		
F2:		
F3:		
F4:		
F5:		
F6:		
F7:		
F8:		

Top right corner batch, likely 2022 stock (20g approx.)

Shucker: Sampler: F9 - F15:

Middle right, likely 2022 stock (20g approx.)

Shucker: Sampler: F16 - F22

Bottom line. Middle site, likely 2021 stock (60g approx.)

Shucker: Sampler: F23 - F30

FHI 059, Version 13			lss	ued by: FHI		C	Date of issue: ²	12/05/2020
Case No:	2023-0438		Site No:	SS0354	4			
Date of Visit:		02/10/202	23		Inspector(s):			
Registration/Autho	orisation Det	ails				_		
1. Business/site deta	ails summary	checked by	site represen	itative?		Y	/	
2. Changes made to	o details?						<u>۱</u>	
Site Details (includ	le cleaner fis	sh for all se	ctions)					
Total No facilities		15,000	Facilities st	tocked	5,000	No facilities i	inspected A	I
Species	CGI	CGI	CGI	OED				
Age group	2022	2021	2020	mixed				
No Fish	~2million	~2million	800,000	15,000				
Mean Fish Wt	30g	70g	150g	unknown				
Next Fallow Date (S	site)	N/A		Next Input D	ate (Site)	Unknown		
Recent (last 4 wks)	disease prob	lems?		Γ	Any escapes	(since last vis	sit)?	N
Movement Record 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 Mostality Records	s Is available for obtee and com occords availab obtee and com otes for intro sates for intro s nts carried ou tem in place	or inspection rectly entered ble for dead f rectly entered ductions (our ut by (or on b for maintena	? ish and waste d? twith GB) ava behalf) of the t ince of transp	e? ilable? ousiness (not us ortation records	sing a STB)? s?	1	1/03/2021	Y N/A N/A Y
Mortality Records	ovoilable for	increation?					_	v
2 How are mortalitie	avaliable 101 es disposed (nspection?			Other (detail))		
If other detail:	mortalities r	ot observed	calculated th	rough differenc	e in input and	/ stock movem	ents	
3. Mortality records	complete and	correctly er	tered?	ilough unlerend	e in input and	Stock moveme		Y
4. Recent mortality ((last 4 wks):		no recent r	nortality observ	ed			
5. Evidence of recer	nt increased/	atypical mort	alities?					N
If yes, facility nos/no	o mortality pe	r facility/no s	tock per facili	ty/reason:				
				-				
6. Any other peaks i	n mortality d	uring period	checked?					N
If yes, detail:								
7. Have increased (unexplained)	mortalities b	een reported	to vet or FHI?				N/A
If yes, detail action:								
8. Have 'mortality ev	/ents' been re	eported to FI	I? If no, ente	r details on mor	tality events sh	neet.		N/A

Treatments and Medicines Records	
1. Recent treatments (see comment)?	
If yes, detail:	
If other, detail:	
2. Medicines records available for inspection?	
3. Are records complete and correctly entered?	
4. Are fish in a withdrawal period?	
5. If yes, what treatment(s)?	
If other, detail:	
6. Are medicines stored appropriately?	
 Biosecurity Records Biosecurity records available for inspection? 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 <i>increased (unexplained)</i> mortality at the site been included? 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? Has the health status of aquaculture animals being stocked on the farm site been covered (equal or higher health status, certification if required)? 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.)? Is documentation available regarding the measures in place to maintain the physical containment of aquaculture animals held on site? 	Y Y Y Y Y
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? 2. If yes, are results available for inspection? 3. Any significant results?	N
If yes, detail (if not detailed under recent disease problems).	
Records checked between: 11/03/2021 - 02/10/2023	

FHI 059, Version 13				Issued by: FHI		
Case no:	2023-0438	Site No:	SS0354	Date of visit Sampling:	/ 02/10/2023	05/*
Priority samples:	VI	BA	PA	MG	н	
Time sampling starts/ends:	13:30:00	15:30:00	Inspector:		VMD No.	
Environmental conditions:	1 Indoors	2	3	4	5	
Summary samples	HIST	BA	MGY	VI	PA Total Sar	nples

Add Fish/Pools - click

	Pool/Fish No	F1	F2	F3	F4	F5	F6	F7	F8	F9	F10	F11	F12
	Fish nos	F1	F2	F3	F4	F5	F6	F7	F8	F9	F10	F11	F12
	Pool Group												
	Species	CGI	CGI	CGI	CGI	CGI	CGI						
	Average weight	0.1000	0.1000	0.1000	0.1000	0.1000	0.1000	0.1000	0.1000	0.0200	0.0200	0.0200	0.0200
	Sex	N/A	N/A	N/A	N/A	N/A	N/A						
	Water Type	SW	SW	SW	SW	SW	SW						
tock Details	Stock Origin	Tralee Bay Hatchery (Ireland)	Tralee Bay Hatchery (Ireland)	Tralee Bay Hatchery (Ireland)	Seasalter (UK)	L Seasalter (∪K)	Seasalter (UK)	H Seasalter (UK)					
n	acility NO	DOLIOM	DOLIOM	DOLLOM	DOLIOM	BOLLOM	DOLLOW	DOLLOM	DOLLOW	r op rigi	i op rigi	i op rigi	i op rig

Date of issue: 12/05/2020

FHI 059, Version 13	Issued by: FHI			Date	of issue: 12	2/05/20
Case Number:	2023-0438 Site No:	SS035	4			
Date of ∀isit	02/10/2023 Inspector:			l		
Number of Susceptil	ble species on site					
If no susceptible spec	ies present = <u>LOW</u> risk					
If susceptible species	present, score for each pathogen		No	Yes		
	Susceptible to Bonamia ostrea (OED)		0	25	25	
	Susceptible to Marteilia refringens (OED, MED)		0	3	3	
	Susceptible to OsHV (CGI)		0	3	3	
Sites within a tidal e	xcursion	1	2-5	>6		
Site contacts	Number of sites holding susceptible species within a tidal					
	excursion	0	2	10	0	
Live shellfish moven	ients	0	1-2	>3		
Movements on	Frequency of movements on from equivalent MS	0	5	10		
	Frequency of movements on from equivalent zone or					
	compartment including third country	0	10	20		
	Number of suppliers	0	5	10		
Movements off						
	Areas	0	1	2		
	Frequency of movements off <u>outwith</u> MSS Management		2	6		
	Areas Number of destinations	0	3	6		
		Ŭ		Ŭ		
Management			Secure	Unsecure		
practices		None	treatment)	treatment)		
Water contacts with	Depuration of stock from own sites within MSS					
depuration facilities	management area	0	1	2	0	
	Depuration of stock from other businesses sites within					
	MSS management area	0	2	6	0	
	Depuration of stock from sites outwith MSS management					
	area	0	4	8	0	
Biosecurity	Number of sites	1	2 or 3	≥ 4		
Contacts with other	Sites operating from single shorebase	0	1	2	0	
sites	Sites sharing staff and equipment	0	1	5		
			Yes	No		
	Disinfection of equipment between sites, use of footbath	is etc	0	2		
			Total		24	
			Dial		31	
			RISK		HIGH	l

Case No:	2023-0438	Date of visit: 02/10/2023
Site No:	SS0354	Inspector:
Results Summary	Freq.	Date of Notification

		Database	Insp	Phone	Insp	Writing	Insp	2 nd Insp
MG-OsHV	0/30	0/30						
								

Report Summary			
Case Type	Date	Insp	2 nd Insp
CER	06/10/2023		
ECI	19/1/02023		


SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS No SB0525 SITE NO SS0354 **CASE NO** 20230438

DATE OF VISIT 02/10/2023 SITE NAME INSPECTOR

Kyle of Tongue Oysters

Certification Test

Thirty Pacific oysters (Crassostrea gigas) were tested for the presence of a segment of DNA indicative of the presence of ostreid herpesvirus 1 µvar (OsHV-1 µvar) by PCR.

Number	Stage	Origin	Result		
1-8	2020 stock	Tralee Bay Hatchery	Negative		
9-15	2022 stock	Seasalter UK	Negative		
16-22	2022 stock	Seasalter UK	Negative		
23-30	2021 stock	Seasalter UK	Negative		

No evidence of OsHV-1 µvar was found in the samples examined.

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: 06/10/2023

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)



SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS No SB0525 SITE NO SS0354 CASE NO 20230438

DATE OF VISIT 02/10/2023 SITE NAME INSPECTOR

Kyle of Tongue Oysters

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. The Inspector did not observe any clinical signs associated with the listed diseases as described in the Aquatic Animal Health (Scotland) Regulations 2009.

Samples were taken for certification. A separate report has been issued detailing the results of these tests.

Records

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

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

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

Mortality records were inspected and found to be adequately maintained.

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

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

The following points were raised with the site representative: the species of oyster being moved was not included in the movement records.

Following confirmation of the species moved, the records submitted have been amended. Please ensure amendments are made to the original records and all future records include the species of oysters being moved.

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



Signed:

Date: 19/10/2023

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	Iss	ued by: FHI	Date of issue: 12/05/2020
Case No: 2023-0449			Date of visit: 02/10/2023
Time spent on site:	4 Hours	Main Ins	pector:
Site No: FS0502 Business No: FB0169	Site Name: Business Name:	Scotasay Bakkafrost Scotland	
Case Types: 1 ECI	2 CNI 3 SLI	4 VMD 5	6
Water Temp (°C): 13.35	Thermometer No:	T309	FHI 045 completed N/A
Observations:	Region: WI	Water type: S	CoGP MA W-8
Dead/weak/abnormally behavir Clinical signs of disease observ Gross pathology observed? Diagnostic samples taken? UNI/REG only - if unable to car	ng fish present? /ed? ry out intended visit detail re	N If yes, see additional N If yes, see additional N If yes, see additional N If yes, see additional N	information/clinical score sheet. information/clinical score sheet. information/clinical score sheet.

Additional Case Information:

Scotasay is currently stocked with fish from Applecross, Barcaldine and Landcatch. So far, they have had a good start to the cycle, mortality on site has remained low since input. In mid August of this year the site experienced a bloom of micro jellyfish which has lead to some environmental damage to the gills. Pens 6 and 8 were worst affected and are displaying some elevated scores for PGD. The site treated with freshwater on 27/08/2023 (Ronja Star) and again on 18/09/23 (Ronja Fisk) which has had a successful impact on treating the gills. Sea lice infestations have remained below the treatment threshold for the duration of this cycle thus far, the site conducted a precautionary SLICE treatment from 28//08/23 - 04/09/23.

The site has been continually stocking with wild caught ballan wrasse between 16/09/23 - 22/09/23. Two cleanerfish mortality events were observed occurring during the inspection of the sites records for this production cycle. These mortality events occurred during the two freshwater treatments the site has conducted this cycle, the first being on 27/08/23, 1766 (26.07%) and 3,521 (49.63%). For 24 hours prior to each FW treatment the site deployed 3 - 4 baited creels into each stocked pen in attempt to remove cleanerfish prior to treatment. The site also tried to separate the salmon stock from the cleaner fish stock using the well boats however this proved difficult due to the wrasse being of similar size to the salmon stocks.

Upon the physical inspection of the stock, fish were observed shoaling well and responding positively to routine feeding regimes. No clinical signs of disease were observed during the inspection of the stocks.

Fish removed for VMD sampling appeared healthy, with no gross pathology observed.

Cleanerfish : Week 39 (32, 0.90%), Week 38 (3,521, 49.63%), Week 37 (21, 0.35%), Week 36 (80, 1.31%).

FHI 059, Version 13			lssu	ied by: FHI			Date of issu	ie: 12/05/2020
Case No:	2023-0449]	Site No:	FS0502]			
Date of Visit:		02/10/2023	l		Inspector(s):			I
Registration/Autho	risation Det	ails						
1. Business/site deta	ails summary	/ checked by s	ite representa	ative?			Y	
2. Changes made to	details?						Y	
Site Details (includ	o cleaner fi	sh for all sect	ions)					
Total No facilities		8	Eacilities sto	cked	8	No facilities	sinspected	8
Species	SAL	Wrasse			U C			0
Age group	2023 Q2	Wild caught						
No Fish	822.449	3.415						
Mean Fish Wt	758.3g	200g						
Next Fallow Date (S	ite)	Feb 2025		Next Input Da	ate (Site)	May 2025		
Recent (last 4 wks)	disease prob	lems?		N	Any escapes	(since last v	isit)?	N
If yes, detail:								
Movement Records	S a available fi							
1. Movement record	s available fo	or inspection?					45/40/0004	Ť
2. Date of last inspe	ction:	ractly optarad)				15/12/2021	
4 Are movement re	cords availat	ole for dead fis	h and waste?	>				Y
5 Are records com	lete and cor	rectly entered?						Y
6. Are health certific	ates for intro	ductions (outv	, ith GB) availa	able?				N/A
Transport Records								
1. Are any movement	nts carried or	ut by (or on be	half) of the bu	usiness (not us	sing a STB)?			N
If yes, is there a syst	tem in place	for maintenan	ce of transpo	rtation records	?			
Mortality Records								
1. Mortality records a	available for	inspection?						Ť
2. How are mortalitie	es aisposea (Other (detail)			
3 Mortality records	vvnole fish v	waste stored in	1 skips and ta	iken to whitesr	nore cockles.			<u>г ү</u>
5. Mortality records (Week 39 (1	959 0 24) W	eek 38 (2 470	0.30) Wee	k 37 (1 675	0.20%)
4 Recent mortality (last 4 wks).		Week 36 (18	,555, 0.24), W	leaner fish mo	rtality - see a	additional inf	0.2070),
5. Evidence of recer	nt increased/	atypical morta	ities?					Y
If yes, facility nos/no	mortality pe	r facility/no sto	ock per facility	/reason:				
See additional inform	nation relatir	g to cleanerfis	sh mortality.					
6. Any other peaks i	n mortality d	uring period ch	necked?					Ν
If yes, detail:								
7. Have increased (u	unexplained)	mortalities be	en reported to	o vet or FHI?				N/A
If yes, detail action:								
8. Have 'mortality ev	ents' been re	eported to FHI	? If no, enter	details on mor	tality events s	heet.		Y

Treatments and Medicines Records	
1. Recent treatments (see comment)?	Y
If yes, detail: Optomease	
If other, detail: SLICE	
2. Medicines records available for inspection?	Y
3. Are records complete and correctly entered?	Y
4. Are fish in a withdrawal period?	Y
5. If yes, what treatment(s)? Optomease	
If other, detail: SLICE	
6. Are medicines stored appropriately?	Y
Biosecurity Records	
1. Biosecurity records available for inspection?	Y
2. Has the manner and frequency of mortality removal, recording and safe disposal been considered?	Y
3. Has the manner and period in which the APB will notify Scottish Ministers or veterinary professional of any	
increased (unexplained) mortality at the site been included?	Y
4. Has the action that will be taken in the event that the presence or suspicion of the presence of a listed disease	
is detected been included and how and when that will be notified to Scottish Ministers?	Y
5. Has the health status of aquaculture animals being stocked on the farm site been covered (equal or higher health status, certification if required)?	Y
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?	Y
If yes, detail (if not detailed under recent disease problems). AGD and PGD.	
Records checked between: 15/12/2021 - 02/10/2023	

F۲	HI 059, Version 13							lss	ued by: Fl	HI			
	Case no:	2023-04	149	Site No	:	FS0502			Date of vi	sit/	02/1	10/2023	02/*
	Priority samples:	VI		BA		PA		MG	Sampling	: HI		l	
	Time sampling starts/ends:	13:0	0:00	14:0	0:00	l	Inspecto	or:			VMD No	D.	22
	Environmental conditions:	1	Indoors	2		3		4		5			
	Summary samples	HIST		BA		MG		VI		PA		Total Sa	amples
A	dd Fish/Pools - click			-									
	Pool/Fish No												
	Fish nos	F1 - F3	F4-F6	F7-F9	F10-F12	2							
	Pool Group												
	Species	SAL	SAL	SAL	SAL								
	Average weight	758g	758g	758g	758g								
	Sex	N/A	N/A	N/A	N/A								
	Water Type	SW	SW	SW	SW								
Stock Details	Stock Origin Facility No	Applecross Smolt Unit(FS0500)	ся Couldoran Hatchery (FS0301)	o Ormsary Smolt Unit (FS0575)	A Ormsary Smolt Unit (FS0575)								

10/2023	Additior	nal Samp	ole Inforr	nation:							
0		Total Te	ests assi	gned	0						

Case Number:	2023-0449	Site No:	FS0502		Insp:	
Date of Visit	02/10/2023	No of m	ovements/s	upp./dest.		Score
Live fish movements		0	1-5	6-10	>10	
Movements on (from out	Frequency of movements on from equivalent	MS 0	5	10	14	0
with GB) of susceptible species	Frequency of movements on from equivalent compartment including third country	zone or 0	9	18	26	0
	Number of suppliers	0	5	10	14	0
Movements off	Frequency of movements off	0	3	6	10	10
	Number of destinations	0	3	6	10	3
Exposure via water	Site	contacts 0	1-5	6-10		
Water contacts with other farms (holding species	Farm is protected (secure water supply throu disinfection or borehole)	gh O				
susceptible to same diseases)	Farm is on-line or in a coastal zone with cate farms upstream or within 1 tidal excursion	gory I 1	2	4		2
	Farm is on-line or in a coastal zone with cate farms upstream or within 1 tidal excursion	gory III 1	3	6		
	Farm is on-line or in a coastal zone with cate farms upstream or within 1 tidal excursion	gory V 1	4	8		
Management practices		None	Secure	Unsecure		
Water contacts with processors	Any processing plant discharging into adjace	nt waters 0	1	2		0
On farm processing within the rules of the directive	No on farm processing	0				0
	Processing own fish (re-cycling risk)	1				
	Processing fish from MS of equivalent status	2				
	Processing fish from zone or compartment of equivalent status	4				
	Processing fish from Category III farm	8				
	Processing fish from Category V farm	10				
Disposal of fish and fish by-	Site's own waste only processed.	C	7			
products	Common processes with other farms	3				3
	Collection point for waste from other farms	5]			
Use of unpasteurised feeds	No feeding of unpasteurised feed	0	7			0
	Feeding unpasteurised feed	5				
Biosecurity	Numbe	r of sites 1	2 or 3	≥ 4		
Contacts with other sites	Sites operating from single shorebase	0	1	2		2
	Sites sharing staff and equipment	C	1	2		2
Disinfection of equipment	Yes	0	7			0
footbaths etc	No	1	1			
CoGP/Regulator			-			
Practices in accordance	Yes	0]			0
with regulator or industry code of practice	No	3				
Platform access to cages	Yes	0				0
	No	2				
				Total Rank		22 MEDIUM

FHI 059, Version 13	Issued by: FHI	Date of is	sue: 12/05/2020
Case No: 2023-0449	Site No:	FS0502	
Sea Lice Inspection (Seawater Sites Only)			
1. Has the site experienced sea lice problems	s in the previous 4 years?		Ν
2. Is the CoGP Farm Management Area (or e	quivalent) fallowed synchronously on a single	year class basis?	Y
3. Does the site have access to a range of lice	enced in-feed and bath sea lice medications (in	ncluding deltamethrin,	Y
azamethiphos and emamectin benzoate) as and can these be deployed in a reasonable p	well as access to suitable biological and/or me eriod of time?	chanical control measures,	
4. Is there a signed documented farm manage Management Area (or equivalent)?	ement agreement or statement relevant to the	site and CoGP Farm	Y
5. Are sea lice count records available for ins	pection? (Legal SSI, CoGP Annex 6)		Υ
6. Do records adequately reflect the required	standard specified in the SSI and the CoGP? (Legal SSI, CoGP Annex 6)	Y
7. Are sea lice (<i>L. salmonis</i>) record levels bel records are inspected? (CoGP Annex 6)	low the suggested criteria for treatment in the C	CoGP during the period that	N
8. Have average adult female sea lice (<i>L. sali</i> or 2 or above (from w/b 10/6/19) during the pe	<i>monis</i>) numbers per fish been at a level of 3 or eriod that records are inspected?	above (prior to w/b 10/6/19)	Y
If yes, have these been reported to the Fish H	lealth Inspectorate? If no, FHI see comment.		Y
9. Is <i>C. elongatus</i> infestation at a level which	is considered to cause significant welfare prob	olems? (CoGP 4.3.81, 5.3.50)	Ν
10. Have the rapeutic treatments been admini suggested criteria for treatment or where C .	stered or other actions taken when <i>L. salmonis</i> elongatus is considered to have welfare implica	s levels have exceeded the ations? (CoGP 4.3.82, 5.3.51)	Y
11. Has any other action been taken (where a	applicable)?	· · · /	N/A
12. Have therapeutic treatments or the action	s taken had a significant impact upon the lice I	evels recorded?	Y
13. Are treatments, where conducted, carried	out in cooperation between participating farms	3?	Y
14. Is there a harvesting strategy for the site, sea lice?	where fewer populations or part populations ar	e held without treatment for	Y
15. Is there a site specific written lice manage recognised scenarios during the escalation of	ement procedure with waypoints describing set a sea lice infestation?	actions to deal with	Y
16. Do the sea lice levels observed on stocks	reflect sea lice count data? If no please detail	reasons.	Y
Containment inspection	a due to predators in the current or previous r	vroduction cycles?	N
2 Are measures in place to mitigate against t	be predation experienced on site? (Detail belo	w)	Y
Seal pro nets, bird poles		•••	
If other, detail below:			
3. Have escape incidents or events been exp	perienced on or in the vicinity of the site since t	he last FHI inspection?	N
If Yes proceed with questions $4 - 9$. If No skin	to question 10		
4. Have these been reported to Scottish Minis	sters?		
5. Have these been reported to local DSFB fo	orthwith (where they exist)? (CoGP - 4.4.37, 5	.4.17)	
6. Have these been reported to the SSPO and	d local fisheries trusts forthwith (where they exi	st)? (CoGP – 4.4.37, 5.4.17)	
7. Were methods (if any) used to recover esc	apees? If yes give detail		
8. If gill nets were deployed was this action as	areed 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 mini	mise the risk of further escapes? (Not covered	in code but could	
be considered under satisfactory measured	res of the Act)		
10. Is the site inspected as satisfactory with re	egards to containment? If no, please detail rea	son(s)	Y

FHI 059, Version 13	Issued by: F	Н	Date of issue: 12/05/2020
Case No: 2023-0449	Site No: FS0502		
Date of Visit: 02/10/2023	Inspector:		
Point of Compliance			
1. Is the farm under inspection located v	vithin a farm management ar	ea?	Y
If N, no further questions require comple	etion.		
Points of Compliance for Both Farm	Management Agreements a	Ind Statements	V
3. Is the current FMAg/S available for in	spection?	5) been prepared?	Y
4. Does the FMAg/S identify the relevan	t farm management area?		Υ
5. Does the FMAg/S identify the fish farm	n site(s) to which it applies?	mont or statement?	Y
7. Does the FMAg/S identify the date of	review?		Y
A			
8. Does the FMAg/S identify the minimu	ement m health standards for the st	ocks to be introduced to the are	ea or Y
9. Does the FMAg/S identify the vaccina	tion requirements for stocks	held in the area or farm?	Υ
10. Does the FMAg/S identify the specie	s of fish which may be stock	ed into the area or farm?	Y
11. Does the FMAg/S identify the maxim individual farm?	ium stocking density of any p	en on any farm in the area or t	ihe Y
12. Does the FMAg/S identify the arrang	ements for the storage and	disposal of any dead fish from a	iny fish Y
farm in the area or the individual farm?			
Arrangements for The Management of	f Sea Lice		
13. Does the FMAg/S identify arrangem	ents for the sharing of data o	n sea lice numbers and treatme	ents? Y
14. Does the FMAg/S identify the available of statement?	pility and the use of medicine	s on farms covered by the agre	ement Y
15. Does the FMAg/S identify any requir	ements for the sensitivity tes	ting of available treatments for	sea Y
lice on farms in the area or individual far	ms?		
16. Does the FMAg/S identify the circum used on farms in the area or individual f.	istances under which biologi arms?	cal controls and cleaner fish are	e to be
17. Does the FMAg/S identify the arrange	ements for synchronous trea	atments on farms within the area	a? Y
Live Fish Movements			
18. Does the FMAg/S identify the circum area or farm?	istances when live fish may l	be introduced or removed from	the Y
19. Does the FMAg/S identify the arrang individual farms?	ements for the movement of	live fish on and off sites in the	area or Y

Harvesting 20. Does the FMAg/S identify acceptable harvest practices on farms in the area or individual farms? Y	
Fallowing	
21. Does the FMAg/S identify the dates by which the area or individual farm will be fallow and the earliest date when a farm or area may be restocked?	1
22. Does the FMAg/S identify whether one or more year classes may be stocked onto sites covered by the Agreement or statement?	
23. Does the FMAg/S identify whether broodstock or potential broodstock are to be kept on any site Covered by the agreement or statement?	
Point of Compliance for Farm Management Agreements Only	
24. Does the farm management agreement include arrangements for persons to become, or cease to be, parties to the agreement?	
Management and operation	
25. Is the fish farm being managed and operated in accordance with the agreement or statement?	
26. What is the version no/date of issue of the FMAg/S? 01/05/2023	

Case No:	2023-0449	Date of visit: 02/10/2023
Site No:	FS0502	Inspector:

Results Summary	Freq.	Date of Notification						
		Database	Insp	Phone	Insp	Writing	Insp	2 nd Insp
							_	
			_				_	
			_					
	_	_	-					
			-				_	
	_	_	-				_	
	_							
	-		-				_	
		+						
	+	+						
	+	+						
	1	+						
	1	1						

Report Summary			
Case Type	Date	Insp	2 nd Insp
ECI, SLI, CNI, VMD	27/10/2023		



SUMMARY FOR INFORMATION OF SITE OPERATOR

 BUSINESS NO
 FB0169

 SITE NO
 FS0502

 CASE NO
 20230449

DATE OF VISIT02/10/2023SITE NAMEScotasayINSPECTORInspector

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.

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.

R25 UKAS accredited testing laboratory No. 1964 Marine Laboratory, 375 Victoria Road, Aberdeen, AB11 9DB Tel - 0131 244 3498 Email - <u>ms.fishhealth@gov.scot</u> Website - <u>https://www.gov.scot/policies/fish-health-inspectorate/</u> 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: 27/10/2023

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		Issued by: FHI	Date of issue: 12/05/2020		
Case No: 2023-0451			Date of visit: 30/11/2023		
Time spent on site:	1 hour	Main Inspec	tor:		
Site No: SS0877 Business No: SB0534	Site Name: Business Name:	Leac Nan Sgarbh Little Loch Charron Ltd	Broom		
Case Types: 1 ECI	23	4 5	6		
Water Temp (°C): N/A	Thermometer No:		FHI 045 completed		
Observations:	Region: HI	Water type: S	CoGP MA		
Dead/weak/abnormally behaving fish present?NIf yes, see additional information/clinical score sheet.Clinical signs of disease observed?NIf yes, see additional information/clinical score sheet.Gross pathology observed?NIf yes, see additional information/clinical score sheet.Diagnostic samples taken?N					
UNI/REG only - if unable to carr	y out intended visit deta	ail reason below:			

Additional Case Information:

Mortality related to Pacific oysters is <3% per grading, for Natives it is a touch higher 5 to 10% per grading (per annum figure). This is in line with what expect for site, in fact the level of mortality in the natives is falling but this could also be influenced by weather patterns.

Main business for the site is native oysters on for restoration projects. No disease issues observed. Heriot Watt had a full disease analysis of a sample of Natives performed within the last month for the Restoration Forth project in the Firth of Forth. This returned clear for all test points.

temperate not taken as tide was out at time of inspection.

Stocks looked good on inspection and very few dead shells observed.

Note; long line site but requires a low tide for inspection as lines are attached to sea bed.

Paperwork and inspection by . Observed by

FHI 059, Versi	on 13			Issued by: FI	41		Date of issu	e: 12/05/2020
Case No:	2023-0451]	Site No:	SS0877]			
Date of Visit:		30/11/2023	3		Inspector(s):			I
Registration//	Authorisation	n Details						
1. Business/sit 2. Changes ma	e details sum ade to details	mary checked?	d by site repre	sentative?			Y N	•
								•
Site Details (II	nclude clean	er fish for all	sections)	akad	20 1000	No facilities inc	nested	
Total No facilit	les		Facilities sto			No facilities ins	pecied	40 111185
Species	OED	OED	OED	OED	Pacific	Pacific		
Age group	seed	GN20K	Market	19	Market	21		
NO FISh	6,800	8,530	5,200	3,315	24,505	23,400		
Mean Fish Wt	<12g	30-50g	50g+	50g+	85g+	30-50g		
Next Fallow Da	ate (Site)	none planne	ed	Next Input D	ate (Site)	Spring or sumn	ner 2024	
Recent (last 4	wks) disease	problems?		N	Any escapes	(since last visit)	?	N/A
If ves detail:		p		•		(,		
Movement Re	cords							
1. Movement r	ecords availa	ble for inspec	tion?					Y
2. Date of last	inspection:						30/08/2022	
3. Are records	complete and	d correctly ent	ered?				-	Y
4. Are moveme	ent records av	vailable for de	ad fish and wa	aste?				N/A
5. Are records	complete and	d correctly ent	ered?					N/A
6. Are health c	ertificates for	introductions	(outwith GB) a	available?				N/A
Transport Re	cords							
1. Are any mov	vements carri	ed out by (or (on behalf) of tl	he business (r	not using a ST	B)?		
If yes, is there	a system in p	lace for main	tenance of trai	nsportation re	cords?	,		
Mortality Rec	ords							
1. Mortality red	ords available	e for inspectio	n?					Y
2. How are mo	rtalities dispo	sed of?			Domestic wa	ste - <25kg		
If other detail:						<u> </u>		
3. Mortality red	ords complet	e and correct	y entered?					Y
4. Recent mor	tality (last 4 w	′ks):	none observ	ed				
5. Evidence of	recent increa	sed/atypical r	nortalities?					N
If yes, facility n	los/no mortali	ty per facility/	no stock per fa	cility/reason:				
			· ·					
6. Any other pe	eaks in morta	lity during per	iod checked?					N
if yes, detail:		in a d) increated it		te d te vet er F				N1/A
7. Have increa	sed (unexplai	ined) mortaliti	es been repor	ted to vet or F	HI?			N/A
8 Have morte	lity evente' bo	en reported t	EHI2 If no. o	nter detaile or	mortality ava	nts sheet		
o. Have molta	inty events be	en reponed t	01111: 11110, e	nier details Of	i montality eve	nto sheet.		

Treatments and Medicines Records	
1. Recent treatments (see comment)?	
If yes, detail:	
If other, detail:	
2. Medicines records available for inspection?	
3. Are records complete and correctly entered?	
4. Are fish in a withdrawal period?	
5. If yes, what treatment(s)?	
If other, detail:	
6. Are medicines stored appropriately?	
Riosecurity Records	
1 Riosecurity records available for inspection?	Y
2. Has the manner and frequency of mortality removal, recording and safe disposal been considered?	Ý
2. Has the manner and neried in which the APR will notify Scottish Ministers or veterinary professional of any	
increased (unevolained) mortality at the site been included?	Y
4. Has the action that will be taken in the event that the presence or suspicion of the presence of a listed disease	
is detected been included and how and when that will be notified to Scottish Ministers?	Y
5. Has the health status of aquaculture animals being stocked on the farm site been covered (equal or higher	Y
health status, certification if required)?	
6 Have the husbandry and biosecurity measures implemented between each epidemiological unit to minimise	Y
transmission of disease been covered (movement of staff, visitors, equipment, live or dead fish etc.)?	
7. Is documentation available regarding the measures in place to maintain the physical containment of	Y
aquaculture animals held on site?	
8. Have the biosecurity procedures been adequately implemented on site?	Y
If no, detail:	
Results of Surveillance	
1. Has any animal health surveillance been carried out by, or on behalf of, the business?	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: 30/9/23- 30/11/23	

FHI 059, Version 13	Issued by: FHI			Date	of issue: 12	2/05/2020
Case Number:	2023-0451 Site No:	SS087	7			
Date of ∀isit	30/11/2023 Inspector:			I		
Number of Suscepti	ble species on site					
If no susceptible spec	ties present = <u>LOW</u> risk					
If susceptible species	present, score for each pathogen		No	Yes		
	Susceptible to Bonamia ostrea (OED)		0	25	25	
	Susceptible to Marteilia refringens (OED, MED)		0	3	3	
	Susceptible to OsHV (CGI)		0	3	3	
Sites within a tidal e	xcursion	1	2-5	>6		
Site contacts	Number of sites holding susceptible species within a tidal					
	excursion	0	2	10	0	
Live shellfish mover	nents	0	1-2	>3		
Movements on	Frequency of movements on from equivalent MS	0	5	10	0	
	Frequency of movements on from equivalent zone or					
	compartment including third country	0	10	20		
	Number of suppliers	0	5	10		
Movements off						
movements on	Frequency of movements off <u>within</u> MSS Management Areas	0	1	2		
	Frequency of movements off <u>outwith</u> MSS Management		2	6	6	
	Number of destinations	0	3	6	3	
			Secure			
Management			(offluent	(no effluent		
practices		None	treatment)	(no endent)		
Water contacts with				liculienty		
depuration facilities	Depuration of stock from own sites within MSS					
acparation racintico	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	24		1
Contacts with other	Sites operating from single shorebase	0	1	2	0	
sites	Sites sharing staff and equipment	U	1	5		
			Yes	No		1
	Disinfection of equipment between sites use of footbatt	is etc	0	2	0	
	Bisiniscion of equipment between sites, use of football	13 010	0	2		l
			Total		40	
			Risk		HIGH	
			Riok			
			Nion			

Case No:	2023-0451	Date of visit: 30/11/2023
Site No:	SS0877	Inspector:

Results Summary	Freq.		Date of Notification					
		Database	Insp	Phone	Insp	Writing	Insp	2 nd Insp
					_		_	
					_		_	
		_					_	
	_		-		_		_	
	_		-		-		_	
	_		-		-		-	
	-						-	
			-		-		-	
		-						

Report Summary			
Case Type	Date	Insp	2 nd Insp
ECI	21/11/2023		



SUMMARY FOR INFORMATION OF SITE OPERATOR

 BUSINESS NO
 SB0534

 SITE NO
 SS0877

 CASE NO
 20230451

DATE OF VISIT 30/10/2023 SITE NAME Leac Nan S INSPECTOR

20/10/2023 Leac Nan Sgarbh Little Loch Broom

Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

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

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

Records

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

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

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

Mortality records were inspected and found to be adequately maintained.

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.

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

Signed:

Date: 21/11/2023

Fish Health Inspector

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

FHI 059, Version 13	lss	ued by: FHI	Date of issue: 12/05/2020
Case No: 2023-0454			Date of visit: 02/10/2023
Time spent on site:	1h	Main Inspec	stor:
Site No: SS0476 Business No: SB0502	Site Name: Business Name:	Seafield Centre Seafield Oysters	
Case Types: 1 ECI	23	4 5	6
Water Temp (°C): N/A	Thermometer No:		FHI 045 completed
Observations:	Region: HI	Water type: S	CoGP MA
Dead/weak/abnormally behavin Clinical signs of disease observ Gross pathology observed? Diagnostic samples taken?	g fish present? ed?	nIf yes, see additional infonIf yes, see additional infonIf yes, see additional infonIf yes, see additional info	ormation/clinical score sheet. ormation/clinical score sheet. ormation/clinical score sheet.
UNI/REG only - if unable to car	y out intended visit detail re	ason below:	

8 bags of CGI and 2 bags of OED.

Water quality A in the winter and B in the summer

No plans to restock.

CGI, 20 morts counted for the year. OED single figures recorded for the year.

No movements on or off site since the last inspection.

Once remaining stocks are sold site will likely be deregistered.

FHI 059, Version 13			Issu	ied by: FHI			Date of issu	e: 12/05/2020
Case No:	2023-0454]	Site No:	SS0476	j			
Date of Visit:		02/10/2023]		Inspector(s):			I
Registration/Autho	risation Deta	ails					-	
 Business/site deta Changes made to 	ails summary details?	checked by s	site representa	ative?			у У	
Site Details (includ	e cleaner fis	h for all sect	ions)					
		11 trestles	1					
Total No facilities		(10 bags)	Facilities sto	cked	11	No facilitie	s inspected	11
Species	OED	CGI						
Age group	Mixed	Mixed						
No Fish	70	~1500						
Mean Fish Wt	mix	mix						
Next Fallow Date (S	ite)	No plans		Next Input Da	ate (Site)	no plans		
Recent (last 4 wks)	disease probl	lems?		N	Any escapes	(since last v	/isit)?	N/A
If yes, detail:								
Movement Records	S							X
1. Movement record	s available fo	or inspection?						Ť
2. Date of last inspe	ction:		_				27/07/2022	V
3. Are records comp	plete and corr	ectly entered	? 	`				Ť
4. Are movement re	cords availab	le for dead fis	sn and waste?					IN/A
5. Are records comp	plete and corr	ectly entered	? 					IN/A
6. Are health certific	ates for introc	ductions (outv	vith GB) availa	able?				N/A
Transport Records								
1. Are any movement	nts carried ou	it by (or on be	half) of the bu	usiness (not us	sing a STB)?			N/A
If ves. is there a svs	tem in place f	for maintenan	ce of transpo	rtation records	?			N/A
Mortality Records								
1. Mortality records a	available for i	nspection?						Y
2. How are mortalitie	es disposed c	of?			Other (detail)			
If other detail:	Shells crush	ed						
3. Mortality records	complete and	l correctly ent	ered?					Y
4. Recent mortality (last 4 wks):		see addition	al information				
5. Evidence of recer	nt increased/a	atypical morta	lities?					N
If yes, facility nos/no	mortality per	facility/no sto	ock per facility	/reason:				
6. Any other peaks i	n mortality du	iring period cl	necked?					N
If yes, detail:								
7. Have increased (u	unexplained)	mortalities be	en reported to	o vet or FHI?				N/A
If yes, detail action:								
8. Have 'mortality ev	ents' been re	ported to FHI	? If no, enter	details on mor	tality events sh	neet.		N/A

Treatments and Medicines Records	
1. Recent treatments (see comment)?	
If yes, detail:	
If other, detail:	
2. Medicines records available for inspection?	
3. Are records complete and correctly entered?	
4. Are fish in a withdrawal period?	
5. If yes, what treatment(s)?	
If other, detail:	
6. Are medicines stored appropriately?	
Biosecurity Records	
1. Biosecurity records available for inspection?	У
2. Has the manner and frequency of mortality removal, recording and safe disposal been considered?	У
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?	У
4. Has the action that will be taken in the event that the presence or suspicion of the presence of a listed disease	
is detected been included and how and when that will be notified to Scottish Ministers?	У
5. Has the health status of aquaculture animals being stocked on the farm site been covered (equal or higher	У
health status, certification if required)?	
6. Have the husbandry and biosecurity measures implemented between each epidemiological unit to minimise	У
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	У
aquaculture animals held on site?	
8. Have the biosecurity procedures been adequately implemented on site?	У
If no, detail:	
Results of Surveillance	
1. Has any animal health surveillance been carried out by, or on behalf of, the business?	N/A
2. If yes, are results available for inspection?	
3. Any significant results?	
If yes, detail (if not detailed under recent disease problems).	
Records checked between: 27/7/2022 to 2/10/2023	

Case Number: 2023-0454 Site No: Stot76 Date of Visit 02/10/2023 Inspector: Inspector: Number of Susceptible species present = LOW risk Inspector: Image: Case of the case of participant of the case of the cas	FHI 059, Version 13	Issued by: FHI			Date	of issue: 12	2/05/2020
Date of Visit Q2/10/202 Inspector: Impact of Susceptible species present = LQW risk. If us usceptible species present = LQW risk. No Yes 23 If us usceptible species present = LQW risk. No Yes 23 Susceptible to Denamia ostrea (OED) 0 25 23 Susceptible to Martial refringens (OED, MED) 0 33 33 Site contacts Number of sites holding susceptible species within a tidal 0 2 10 Novements on Frequency of movements on from equivalent MS 0 5 10 0 Movements off Frequency of movements on from equivalent MS 0 1 2 0 Movements off Frequency of movements off within MSS Management 0 1 2 0 Movements off Frequency of movements off within MSS Management 0 1 2 0 Mater contacts with perturbion of stock from own sites within MSS 0 1 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 <td>Case Number:</td> <td>2023-0454 Site No:</td> <td>SS047</td> <td>6</td> <td></td> <td></td> <td></td>	Case Number:	2023-0454 Site No:	SS047	6			
Number of Susceptible species present = Low risk Yes Susceptible to Bonamia ostrea (OED) 0 25 Susceptible to Solv (CGI) 0 3 Susceptible to Solv (CGI) 0 2 25 Susceptible to Solv (CGI) 0 3 Susceptible to Solv (CGI) 0 2 10 2 Ites within a tidal excursion 1 2.5 5 10 2 Site contacts Number of sites holding susceptible species within a tidal 0 1 0 1 0 0 0 0 0 0 0 <th< td=""><td>Date of Visit</td><td>02/10/2023 Inspector:</td><td></td><td></td><td></td><td></td><td></td></th<>	Date of Visit	02/10/2023 Inspector:					
No Yes If usceptible species present, score for each pathogen No Yes Susceptible to Marteliia refringens (OED, MED) 0 3 3 Susceptible to Marteliia refringens (OED, MED) 0 3 3 Site swithin a tidal excursion 1 2-5 >6 Site contacts Number of sites holding susceptible species within a tidal 0 2 10 2 Live shellfish movements 0 1-2 >3 1 2-5 3 Movements on Prequency of movements on from equivalent MS 0 5 10 0 Movements off Prequency of movements on from equivalent XS 0 5 10 0 Movements off Prequency of movements on from equivalent XS 0 5 100 0 Movements off Prequency of movements off outwith MSS Management Areaa 0 1 2 0 Management practices Prequency of movements off outwith MSS Management Areaa 0 1 2 0 Management area 0 1 2 0 0 0 0 0 0	Number of Susceptil	ble species on site					
If susceptible species present, score for each pathogen No Yes Susceptible to Bonamia ostrea (OED) 0 25 25 Susceptible to Anteilia refringens (OED) 0 3 3 Sites within a tidal excursion 1 2-5 5-6 Site contacts Number of sites holding susceptible species within a tidal 0 2 10 2 Live shellfish movements 0 1-2 53 Movements 0 1-2 53 Movements 0 1-2 5 Moveme	If no susceptible spec	ies present = <u>LOW</u> risk					
Susceptible to Bonamia ostrea (OED) 0 25 25 Susceptible to Martelia refringens (OED, MED) 0 3 3 Site swithin a tidal excursion 1 2-5 >6 Site contacts Number of sites holding susceptible species within a tidal excursion 0 2 10 2 Live shellfish movements 0 1-2 >3 7 Movements on Frequency of movements on from equivalent MS 0 5 10 0 Movements off Frequency of movements on from equivalent zone or compartment including third country 0 1 2 0 Movements off Frequency of movements off within MSS Management Areas 0 1 2 0 Movements off Frequency of movements off within MSS Management Areas 0 3 6 0 Mumber of suppliers 0 3 6 0 0 0 Water contacts with depuration of stock from own sites within MSS management area 0 1 2 0 0 Most management area Depuration of stock from other business	If susceptible species	present, score for each pathogen		No	Yes		
Susceptible to Martellia refringens (OED, MED) 0 3 3 Susceptible to OsHV (CGI) 0 3 3 Site contacts Number of sites holding susceptible species within a tidal occursion 0 2 10 2 Site contacts Number of sites holding susceptible species within a tidal occursion 0 2 10 2 Live shellfish movements on compariment including third country 0 1-2 >3 0 Movements on Frequency of movements on from equivalent zone or compariment including third country 0 10 20 0 Movements off Frequency of movements off <u>outwith</u> MSS Management Areas 0 1 2 0 Movements off Frequency of movements off <u>outwith</u> MSS Management Areas 0 3 6 0 Movements off Erequency of movements off <u>outwith</u> MSS Management Areas 0 1 2 0 Movements off Erequency of movements off <u>outwith</u> MSS Management Areas 0 3 6 0 Management pactices Every of stock from own sites within MSS management area 0 1		Susceptible to Bonamia ostrea (OED)		0	25	25	
Susceptible to OsHV (CGI) 0 3 3 Site contacts Number of sites holding susceptible species within a tidal excursion 0 2 100 2 Live shellfish movements excursion Frequency of movements on from equivalent MS 0 5 100 0 Live shellfish movements movements on Frequency of movements on from equivalent XDS 0 5 100 0 Movements off Frequency of movements of from equivalent XDS 0 1 2 0 0 Movements off Frequency of movements off within MSS Management Areas 0 1 2 0 0 Movements off Frequency of movements off outwith MSS Management Areas 0 3 6 0 Movements off Frequency of movements off outwith MSS Management Areas 0 3 6 0 Management practices Frequency of movements off outwith MSS management area 0 3 6 0 Water contacts with depuration of stock from own sites within MSS management area 0 1 2 0 0 0 Bise		Susceptible to Marteilia refringens (OED, MED)		0	3	3	
Sites within a tidal excursion 1 2-5 >6 Site contacts Number of sites holding susceptible species within a tidal excursion 0 2 10 2 Live shellfish movements 0 1-2 >3 76 Movements on requery of movements on from equivalent MS 0 5 10 0 Movements off Frequency of movements on from equivalent XS 0 5 10 0 Movements off Frequency of movements off outwith MSS Management Areas 0 1 2 0 Movements off Frequency of movements off outwith MSS Management Areas 0 3 6 0 Management practices Number of destinations 0 3 6 0 Water contacts with depuration of stock from own sites within MSS management area area 0 1 2 0 Biosecurity Number of stock from other businesses sites within MSS management area area 0 1 2 0 Biosecurity Number of stock from sites outwith MSS management area 0 1 2 0 Bites sharing staff and equipment area 0 1 2 0		Susceptible to OsHV (CGI)		0	3	3	
Site contacts Number of sites holding susceptible species within a tidal excursion 0 2 10 2 Live shellfish movements 0 1-2 >3 2 2 2 Movements on Frequency of movements on from equivalent XDE O 0 1-2 >3 0 <t< td=""><td>Sites within a tidal e</td><td>xcursion</td><td>1</td><td>2-5</td><td>>6</td><td></td><td></td></t<>	Sites within a tidal e	xcursion	1	2-5	>6		
excursionexcursion02102Live shellfish movements01-2>3Movements onFrequency of movements on from equivalent Zone or compartment including third country010200Number of suppliers051000Movements offFrequency of movements off within MSS Management Areas01200Movements offFrequency of movements off within MSS Management Areas01200Management practices03600Water contacts with depuration facilitiesDepuration of stock from own sites within MSS management area0120Depuration of stock from sites outwith MSS management area0120BiosecurityNumber of sites12 or 3240Contacts with areaSites operating from single shorebase0120BiosecuritySites operating from single shorebase0120Disinfection of equipment between sites, use of footbaths etc0200Total Risk33313333HIGH101200	Site contacts	Number of sites holding susceptible species within a tidal					
Live shellfish movements01-2>3Movements on compartment including third country05100Number of suppliers05100Movements off compartment including third country001020Movements off AreasFrequency of movements off within MSS Management Areas0120Movements off AreasFrequency of movements off outwith MSS Management Areas0120Movements off AreasO36000Mumber of destinations03600Management practicesDepuration of stock from own sites within MSS management area0120Water contacts with depuration of stock from other businesses sites within MSS management area0120Depuration of stock from other businesses sites within MSS management area0120Depuration of stock from single shorebase01200Bites operating from single shorebase01500Bites operating from single shorebase01500Sites sharing staff and equipment01500Usinfection of equipment between sites, use of footbaths etc0200Disinfection of equipment between sites, use of footbaths etc0200Total RiskHiGH33HiGH		excursion	0	2	10	2	
Movements on compartment including third country 0 5 10 0 Movements on 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 0 Movements off Frequency of movements off outwith Areas 0 1 2 0 Movements off Frequency of movements off outwith Areas 0 1 2 0 Movements off Frequency of movements off outwith Areas 0 1 2 0 Management practices Frequency of movements off outwith MS management area 0 3 6 0 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 1 2 0 0 Biosecurity Number of sites 1 2 or 3 2 4 0	l ive shellfish mover	nents	0	1-2	>3		
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	Movements on	IFrequency of movements on from equivalent MS	0	5	10	0	
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 0 Frequency of movements off outwith MSS Management Areas 0 3 6 0 Mumber of destinations 0 3 6 0 Management practices Secure (effluent (no effluent treatment) Unsecure (no effluent treatment) 0 Water contacts with depuration facilities Depuration of stock from own sites within MSS management area Depuration of stock from other businesses sites within MSS management area 0 1 2 0 Biosecurity Number of sites 1 2 or 3 ≥4 0 Contacts with other sites Sites operating from single shorebase 0 1 2 0 Disinfection of equipment between sites, use of footbaths etc 0 2 0 0 Eites operating from single shorebase 0 1 5 0 0 Disinfection of equipment between sites, use of footbaths etc 0 2 0 0 <		Frequency of movements on from equivalent zone or					
Number of suppliers 0 5 10 0 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 0 Management practices 0 3 6 0 <td< td=""><td></td><td>compartment including third country</td><td>0</td><td>10</td><td>20</td><td>0</td><td></td></td<>		compartment including third country	0	10	20	0	
Movements off Frequency of movements off within MSS Management 0 1 2 0 Frequency of movements off outwith MSS Management 0 3 6 0 Areas 0 3 6 0 Number of destinations 0 3 6 0 Management 0 3 6 0 practices Nome reatment) Unsecure (no effluent treatment) 0 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 24 0 Contacts with other sites Sites operating from single shorebase 0 1 2 0 Disinfection of equipment between sites, use of footbaths etc 0 2 0 0 Total Risk HIGH 33 HIGH 10 1		Number of suppliers	0	5	10	0	
Model Henris Gill Frequency of movements off within MSS Management 0 1 2 0 Areas 0 1 2 0 Frequency of movements off outwith MSS Management 0 3 6 0 Management 0 3 6 0 0 Management 0 3 6 0 0 Management practices Unsecure (effluent treatment) Unsecure (no effluent treatment) 0 2 0 0 Water contacts with depuration of stock from own sites within MSS management area 0 1 2 0	Movements off						
Areas0120Frequency of movements off outwith MSS Management Areas0360Number of destinations0360Management practices0360Water contacts with depuration facilitiesDepuration of stock from own sites within MSS management area0120Depuration of stock from own sites within MSS management area01200Depuration of stock from other businesses sites within MSS management area02600Depuration of stock from other businesses sites within marea04800BiosecurityNumber of sites12 or 32400Contacts with other sitesSites operating from single shorebase01200Sites sharing staff and equipment0150000Disinfection of equipment between sites, use of footbaths etc02000TotalRisk11GH1311GH13111311HIGHNo201311120Sites operating from single shorebase0120011511Sites sharing staff and equipment015000011511151115111511151115	wovements on	Frequency of movements off within MSS Management					
Frequency of movements off outwith MSS Management Areas0360Number of destinations0360Management practices0360Water contacts with depuration facilitiesDepuration of stock from own sites within MSS management area0120Depuration of stock from other businesses sites within MSS management area01200Depuration of stock from other businesses sites within MSS management area04800BiosecurityNumber of sites12 or 3240000Bites operating from single shorebase01200<		Areas	0	1	2	0	
Areas0360Number of destinations0360Management practices0360Water contacts with depuration of stock from own sites within MSS management area0120Depuration of stock from own sites within MSS management area0120Depuration of stock from other businesses sites within MSS management area0260Depuration of stock from sites outwith MSS management area0480BiosecurityNumber of sites12 or 32 4Contacts with other sitesSites operating from single shorebase0120Disinfection of equipment between sites, use of footbaths etc0200Total Risk33		Frequency of movements off outwith MSS Management					
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Management practicesDepuration of stock from own sites within MSS management area0120Depuration of stock from own sites within MSS management area0120Depuration of stock from other businesses sites within MSS management area0260Depuration of stock from sites outwith MSS management area0480BiosecurityNumber of sites12 or 3≥4Contacts with other sitesSites operating from single shorebase0120Sites sharing staff and equipment01500Disinfection of equipment between sites, use of footbaths etc0200YesNoTotal Risk33 HIGH		Number of destinations	0	3	0	0	
Management practices(effluent treatment)(no effluent treatment)Water contacts with depuration facilitiesDepuration of stock from own sites within MSS management area0120Depuration of stock from other businesses sites within MSS management area01200Depuration of stock from other businesses sites within MSS management area02600Depuration of stock from sites outwith MSS management area026000BiosecurityNumber of sites12 or 32400Contacts with other sitesSites operating from single shorebase01200Sites sharing staff and equipment012000Disinfection of equipment between sites, use of footbaths etc0200Total RiskSite33 HIGH33 HIGH33 HIGH33 HIGH33 HIGH				Secure	Unsecure		
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Intradigenent area 0 1 2 0 Depuration of stock from other businesses sites within 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 Sites operating from single shorebase 0 1 2 0 Sites sharing staff and equipment 0 1 5 0 0 Lisinfection of equipment between sites, use of footbaths etc 0 2 0 0 Total Risk 33 HIGH HIGH HIGH HIGH	depuration facilities	management area	0	1	2	0	
Deputation of stock from other businesses sites within 0 2 6 0 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 operating staff and equipment 0 1 5 0 Disinfection of equipment between sites, use of footbaths etc 0 2 0 Total Risk 33 HIGH 1 1		Depurction of stock from other huginesses sites within	0		2		
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BiosecurityNumber of sites12 or 3 ≥ 4 Contacts with other sitesSites operating from single shorebase0120Sites sharing staff and equipment01500YesNoTotal Risk33 HIGH		Depuration of stock from sites outwith MSS management	0	2	<u> </u>	- Ŭ	
BiosecurityNumber of sites12 or 3 ≥ 4 Contacts with other sitesSites operating from single shorebase0120Sites sharing staff and equipment0150Image: Sites sharing staff and equipment0150Image: Sites sharing staff and equipment0120Image: Sites sharing staff and equipment0150Image: Sites sharing staff and equipment0120Image: Sites sharing staff and equipment between sites, use of footbaths etc020Image: Sites sharing staff and equipment between sites, use of footbaths etc020Image: Sites sharing staff and equipment between sites, use of footbaths etc020Image: Sites sharing staff and equipment between sites, use of footbaths etc020Image: Sites sharing staff and equipment between sites, use of footbaths etc020Image: Sites sharing staff and equipment between sites, use of footbaths etc020Image: Sites sharing staff and equipment between sites, use of footbaths etc0233Image: Sites sharing staff and equipment sites sharing staff and equipment sites		area	0	4	8	0	
Biosecurity Number of sites 1 2 or 3 2 4 Contacts with other sites Sites operating from single shorebase 0 1 2 0 Sites sharing staff and equipment 0 1 5 0 Disinfection of equipment between sites, use of footbaths etc 0 2 0 Total Risk 33 HIGH						-	
Contacts with other sites 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 footbaths etc 0 2 0 Total Risk 33 HIGH	Biosecurity		$\frac{1}{1}$	2 OF 3	2 4		
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Yes No Disinfection of equipment between sites, use of footbaths etc 0 2 0 Total Risk 33 HIGH	Siles	Sites sharing stail and equipment	0	I	5	0	
Disinfection of equipment between sites, use of footbaths etc 0 2 0 Total Risk 33 HIGH				Yes	No		
Total 33 Risk HiGH		Disinfection of equipment between sites, use of footbath	ns etc	0	2	0	
Risk HIGH				Total			
KISK HIGH				Diek		33	
				RISK		поп	

Case No:	2023-0454	Date of visit: 02/10/2023
Site No:	SS0476	Inspector:

Results Summary	Freq.		Date of Notification						
		Database	Insp	Phone	Insp	Writing	Insp	2 nd Insp	
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Report Summary			
Case Type	Date	Insp	2 nd Insp
ECI	10/10/2023		



SUMMARY FOR INFORMATION OF SITE OPERATOR

 BUSINESS No
 SB0502

 SITE NO
 SS0476

 CASE NO
 20230454

0502 0476 230454 DATE OF VISIT 02/10/2023 SITE NAME Seafield Centre

Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

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

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

Records

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

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

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

Mortality records were inspected and found to be adequately maintained.

No animal health surveillance had been carried out on behalf of the business and/or Marine 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: 10/10/2023

R14

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

FHI 059, Version 13	lssu	ued by: FHI	Date of issue: 12/05/2020			
Case No: 2023-0456			Date of visit: 03/10/2023			
Time spent on site:	h	Main Inspec	tor:			
Site No:FS1310Business No:FB0134	Site Name: Business Name:	Loch Pooltiel Kames Fish Farming Ltd				
Case Types: 1 ECI	2 CNI 3 SLI	4 5	6			
Water Temp (°C): 13.9	Thermometer No:	T173	FHI 045 completed			
Observations:	Region: HI	Water type: S	CoGP MA M-25			
Dead/weak/abnormally behaving fish present? Clinical signs of disease observed? Gross pathology observed? Diagnostic samples taken? LINU/DEC only if unable to correct out intended visit datail reason below.						
UNI/REG UNIY - II UNADIE to Carry		ason below.				

Two dead fish observed in one pen. One pen inspected fully the remaining from the boat due to weather conditions.

Recent morts, wk 39 289 (0.06%), wk 38 766 (0.15%), wk 37 362 (0.07%), wk 36 1426 (0.28%)

Stock reportedly growing well.

Currently only operational site in the management area and reportedly has been since 2021. There was a Farm Partnership Agreement with Grieg but the sites have been taken on by a new operator. The agreement included the synchronisation of treatments and fallowing but the other sites in the management area have not been stocked so no discussion has occurred as of yet.

Site is using seal pro nets in all but one pen, manager reports this had been very effective against seal predation.

Peaks in mortality 2023 wk 33 4212 (0.80%), wk 27 2395 (0.45%) post transfer, wk 18 1831 (0.57%), wk 17 2155 failed fish, seal, handling (0.67%) failed fish/seal wk 16 1647 (0.51%) failed fish

Peaks in mortality 2022, wk 48 1092 (0.94%) post transfer/PKD, wk 47 1234 (1.05%) post transfer/failed fish, wk 46 (1517 (1.28%) post transfer/failed fish and PKD

Peaks in mortality 2021, wk 30 4599 (1.27%)failed fish, wk 29 4711 (1.26%) failed fish

No live fish movements offsite.

FHI 059, Version 13			lssu	ied by: FHI			Date of issu	e: 12/05/2020
Case No:	2023-0456]	Site No:	FS1310	D			
Date of Visit:		03/10/2023	3		Inspector(s)	:		l
Registration/Autho 1. Business/site deta 2. Changes made to	orisation Det ails summary details?	a ils / checked by s	site representa	ative?			у Ү]
Site Details (includ	le cleaner fis	sh for all sect	tions)			_		
		10 (8x90m and 2x100m						40
Total No facilities	DTD	circles)	Facilities sto	cked	9	No facilitie	s inspected	10
Age group	RTR 2022-04	RTR 2022-02				_		
No Fish	2022 Q4	2023 QZ				_		
Mean Fish Wt	90,391 2.5kg	406,792 650g				_		
Next Fallow Date (S	ite)	September 2	2024	Next Input D	ate (Site)	Autumn/wi	nter 2024	
Recent (last 4 wks)	disease prob	lems?			Anv escape	s (since last v	/isit)?	N
If ves. detail:						- (
Movement Record	S							
1. Movement record	ls available fo	or inspection?						У
2. Date of last inspe	ction:						12/11/2020	
3. Are records comp	plete and corr	rectly entered	?					Y
4. Are movement re	cords availab	ole for dead fis	sh and waste?	2				Y
5. Are records comp	plete and corr	rectly entered	?					Y
6. Are health certific	ates for intro	ductions (outv	vith GB) availa	able?				N/A
Treven ent Deserve								
1 And any movement	i eta acuitada:	the for an he		uning and the state				N
If yos, is there a sys	tom in place	for maintenan	co of transpo	rtation records	sing a 51 b)?			
II yes, is there a sys	terri in piace			ration records	5 !			
Mortality Records								
1. Mortality records available for inspection?								
2. How are mortalities disposed of?								
If other detail:								
3. Mortality records complete and correctly entered? Y								
4. Recent mortality (last 4 wks): see additional information								
5. Evidence of recent increased/atypical mortalities?								
If yes, facility nos/no mortality per facility/no stock per facility/reason:								
6. Any other peaks i	n mortality du	uring period cl	necked?					Y
If yes, detail:	see addition	al information)					
7. Have increased (unexplained)	mortalities be	en reported to	o vet or FHI?				N/A
If yes, detail action:				1	- 1 - P (
o. Have mortality ev	vents been re	eported to FHI	r if no, enter	details on mo	rtaility events :	sneet.		Ý

Treatments and Medicines Records	غ					
1. Recent treatments (see comment)?	?			Y		
If yes, detail: TMS	S					
If other, detail:						
2. Medicines records available for insp	pection?			Ý		
3. Are records complete and correctly	entered?			Y		
4. Are fish in a withdrawal period?				Y		
5. If yes, what treatment(s)?		TMS				
If other, detail:						
6. Are medicines stored appropriately?	?			Y		
Biosecurity Records						
1. Biosecurity records available for inst	spection?			Y		
2. Has the manner and frequency of m	nortality removal, recor	rding and safe c	disposal been considered?	Y		
3. Has the manner and period in which	h the APB will notify Sc	cottish Ministers	s or veterinary professional of any			
increased (unexplained) mortality at the	the site been included?	2		Y		
4. Has the action that will be taken in t	the event that the pres	ence or suspici	on of the presence of a listed disease			
is detected been included and how an	nd when that will be no	tified to Scottis	h Ministers?	Y		
5. Has the health status of aquaculture	e animals being stocke	ed on the farm s	site been covered (equal or higher	Y		
health status, certification if required)?	?					
6. Have the husbandry and biosecurity	y measures implement	ted between ea	ch epidemiological unit to minimise	Y		
transmission of disease been covered	d (movement of staff, v	isitors, equipme	ent, live or dead fish etc.)?			
7. Is documentation available regardin	ng the measures in place	ce to maintain t'	he physical containment of	Y		
aquaculture animals held on site?						
8. Have the biosecurity procedures be	en adequately implem	ented 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?						
2. If yes, are results available for inspe	ection?			Y		
3. Any significant results?				N		
If yes, detail (if not detailed under rece	ent disease problems).					
Records checked b	between:	12/11/2020 to	3/10/2023			
Case Number:	2023-0456	Site No:	FS1310		Insp:	
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Date of Visit	03/10/2023	No of mo	ovements/s	upp./dest.		Score
Live fish movements		0	1-5	6-10	>10	
Movements on (from out	Frequency of movements 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	0	9	18	26	0
	Number of suppliers	0	5	10	14	0
Movements off	Frequency of movements off	0	3	6	10	0
	Number of destinations	0	3	6	10	0
Exposure via water	Site contacts	0	1-5	6-10		
Water contacts with other farms (holding species	Farm is protected (secure water supply through disinfection or borehole)	0				
susceptible to same diseases)	Farm is on-line or in a coastal zone with category I farms upstream or within 1 tidal excursion	1	2	4		2
	Farm is on-line or in a coastal zone with category III farms upstream or within 1 tidal excursion	1	3	6		
	Farm is on-line 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 processing	0	1			
	Processing own fish (re-cycling risk)	1				1
	Processing fish from MS of equivalent status	2				
	Processing fish from zone or compartment of equivalent status	4				
	Processing fish from Category III farm	8	1			
	Processing fish from Category V farm	10				
Disposal of fish and fish by-	Site's own waste only processed.	0				0
products	Common processes with other farms	3				
	Collection point for waste from other farms	5				
Use of unpasteurised feeds	No feeding of unpasteurised feed	0	1			0
	Feeding unpasteurised feed	5				
Biosecurity	Number of sites	5 1	2 or 3	≥ 4		
Contacts with other sites	Sites operating from single shorebase	0	1	2		0
	Sites sharing staff and equipment	0	1	2		
Disinfection of equipment	Yes	0				0
footbaths etc	No	1				
CoGP/Regulator						
Practices in accordance	Yes	0				0
code of practice	No	3				
Platform access to cages	Yes	0	1			0
	No	2				
				Total		3
				Rank		LOW

FHI 059, Version 13	Issued by: FHI	Date of issue: 12/05/2020
Case No: 2023-0456	Site No:	FS1310
Sea Lice Inspection (Seawater Sites Only)		
 Has the site experienced sea lice problems Is the CoGP Farm Management Area (or ed) Does the site have access to a range of lice azamethiphos and emamectin benzoate) as wand can these be deployed in a reasonable period. 	in the previous 4 years? quivalent) fallowed synchronously on a single y enced in-feed and bath sea lice medications (in well as access to suitable biological and/or med eriod of time?	year class basis? Y Including deltamethrin, Y Inchanical control measures,
4. Is there a signed documented farm manage Management Area (or equivalent)?	ement agreement or statement relevant to the s	site and CoGP Farm Y
5. Are sea lice count records available for insp6. Do records adequately reflect the required s	pection? (Legal SSI, CoGP Annex 6) standard specified in the SSI and the CoGP? (I	Legal SSI, CoGP Annex 6) Y
7. Are sea lice (<i>L. salmonis</i>) record levels belorecords are inspected? (CoGP Annex 6)	ow the suggested criteria for treatment in the C	CoGP during the period that Y
8. Have average adult female sea lice (<i>L. saln</i> 2 or above (from w/b 10/6/19) during the perio	nonis) numbers per fish been at a level of 3 or d that records are inspected?	above (prior to w/b 10/6/19) or N
If yes, have these been reported to the Fish H 9. Is <i>C. elongatus</i> infestation at a level which	ealth Inspectorate? If no, FHI see comment. is considered to cause significant welfare probl	V lems? (CoGP 4.3.81, 5.3.50)
10. Have therapeutic treatments been adminis suggested criteria for treatment or where <i>C. e.</i>	stered or other actions taken when <i>L. salmonis</i> longatus is considered to have welfare implication	<i>levels</i> have exceeded the tions? (CoGP 4.3.82, 5.3.51)
11. Has any other action been taken (where a	pplicable)?	N/A
12. Have therapeutic treatments of the actions	s taken had a significant impact upon the lice is	
14. Is there a harvesting strategy for the site, v sea lice?	where fewer populations or part populations are	e held without treatment for Y
15. Is there a site specific written lice manage recognised scenarios during the escalation of	ment procedure with waypoints describing set a a sea lice infestation?	actions to deal with Y
16. Do the sea lice levels observed on stocks	reflect sea lice count data? If no please detail i	reasons. Y
Containment Inspection		
1. Has the site experienced equipment damag	e due to predators in the current or previous pl	roduction cycles? Y
2. Are measures in place to mitigate against the	ne predation experienced on site? (Detail below	V) Y
Seal pro nets ter top nets Regular di	Ver visits	
3. Have escape incidents or events been exp	erienced on or in the vicinity of the site since th	ne last FHI inspection? N
If Yes proceed with questions 4 – 9. If No skip	to question 10	
4. Have these been reported to Scottish Minis	ters?	
5. Have these been reported to local DSFB for	rthwith (where they exist)? ($CoGP - 4.4.37, 5.4$	4.17)
6. Have these been reported to the SSPO and	l local fisheries trusts forthwith (where they exis	st)? (CoGP – 4.4.37, 5.4.17)
7. Were methods (if any) used to recover esca	apees? If yes give detail	
8. If gill nets were deployed was this action ag Ministers? (Legal, CoGP – 4.4.38, 5.4.18)	reed with local wild fish interests and was pern	nission given by Scottish
9. What action was taken to prevent and minir	nise the risk of further escapes? (Not covered	in code but could
be considered under satisfactory measur	es of the Act)	
10. Is the site inspected as satisfactory with re	gards to containment? If no, please detail reas	son(s) Y

Case No:	2023-0456	Date of visit: 03/10/2023
Site No:	FS1310	Inspector:

Results Summary	Freq.	Date of Notification									
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Report Summary			
Case Type	Date	Insp	2 nd Insp
ECI,CNI,SLI	10/10/2	023	
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FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

 BUSINESS NO
 FB0134

 SITE NO
 FS1310

 CASE NO
 20230456

DATE OF VISIT03/10/2023SITE NAMELoch PooltielINSPECTORInspector

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.

R25 UKAS accredited testing laboratory No. 1964 Marine Laboratory, 375 Victoria Road, Aberdeen, AB11 9DB Tel - 0131 244 3498 Email - <u>ms.fishhealth@gov.scot</u> Website -<u>https://www.gov.scot/policies/fish-health-inspectorate/</u>

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: 10/10/2023

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: 2023-0460			Date of visit: 04/10/2023				
Time spent on site:	5.5 hours	Main Inspect	or:				
Site No: FS1281 Business No: FB0169	Site Name: Business Name:	Sgian Dubh Bakkafrost Scotland					
Case Types: 1 ECI	2 CNI 3 SLI	4 VMD 5	6				
Water Temp (°C): 13.81	Thermometer No:	T310	FHI 045 completed N/A				
Observations:	Region: ST	Water type: S	CoGP MA: M-45				
Dead/weak/abnormally behavin Clinical signs of disease observ Gross pathology observed? Diagnostic samples taken? UNI/REG only - if unable to car	g fish present? ′ed? ry out intended visit detail rea	YIf yes, see additional information/clinical score sheet.YIf yes, see additional information/clinical score sheet.YIf yes, see additional information/clinical score sheet.NIf yes, see additional information/clinical score sheet.NIf yes, see additional information/clinical score sheet.					

FHI 059, Version 13 Additional Case Information:

Salmon came march this year, wrasse in June

Stock on site have come from - Applecross, Kinlochmoidart, Harris Lochs, Hebridean Smolt (Clachen Hatchery) and Couldoran - Most stock are native Hebridian.

Wrasse mortalities - Wk38 - 2.48% (1,321), Wk37 - 2.92% (1,600), Wk36 - 2.98% (1,470), Wk35 - 2.88% (1,250). Wrasse mortality attributed to environmental reasons - jellyfish, possible pollution from forestry upstream (wrasse don't like suspended solids in the water).

Freshwater treatments last week and the rest of the site is being treated tonight.

Latest health report - systemic bacterial infection. Furunculosis, suspected Tenacibaculum sp., mixed gill infections with AGD, Branchiomonas-like epitheliocysts and lamellar pathology suspicious of infection with Desmozoon lepeophtherii. Waterborne environmental damage to gills - possibly jellyfish or stinging cell contact. Health team including head vet are on site today to collect samples for general health screening.

Sealice - SLICE was a precautionary measure.

During physical inspection of the site, 4 out of 16 pens had a couple of mortalities observed on the surface of the water. No moribund fish were observed on site. A handful of lethargic fish were observed across the whole site but when approached all fish swam off quickly. Water visibility on site was poor due to the large volume of freshwater input from the recent wet weather. Fish that were observed were shoaling a few feet below the water surface.

Fish for VMD samples were collected from pens 1, 4 and 10. Fish sampled for VMD appeared healthy both externally and internally with no lice observed on any fish collected.

FHI 059, Version 13			lssu	ed by: FHI			Date of issu	e: 12/05/2020
Case No:	2023-0460]	Site No:	FS1281]			
Date of Visit:		04/10/2023	3		Inspector(s):			I
Registration/Autho	risation Det	tails						
1. Business/site deta	ails summary	y checked by s	ite representa	ative?			Y	1
2. Changes made to	details?						Y	
Site Details (includ	e cleaner fi	sh for all sect	ions)	.11				10
Total No facilities	0.41	16	Facilities sto	скеа	16	No facilitie	s inspected	16
Age group	SAL 2201	WRS						
No Fish	23Q1	VVIId/2023						
Mean Fish Wt	909,723 1.480 kg	250g	-	-				
Next Fallow Date (S	1.409 kg	August 2024		Next Input Da	ate (Site)	Feburary 2	025	
Recent (last 4 wks)	disease prob	plems?	•	Y	Any escapes	(since last y	visit)?	N
If ves. detail:	SRS on site	e. furunculosis	detected on s	site and AGD				
n yoo, actain		, 1414110410010						
Movement Records	5							
1. Movement record	s available fo	or inspection?						Y
2. Date of last inspe	ction:						04/11/2021	
3. Are records comp	lete and cor	rectly entered?	?					Y
4. Are movement re-	cords availat	ole for dead fis	h and waste?)				Y
5. Are records comp	lete and cor	rectly entered?	?					Y
6. Are health certific	ates for intro	ductions (outw	vith GB) availa	able?				N/A
T								
1 Are only movement	to corriad a	ut by (or on bo	half) of the hu	uning and (not up				
I. Are any movement	its camed of	for maintanan	nail) of the bu	rtation records	ng a 51 b)?			
ii yes, is there a syst	lem in place	ioi maintenan	ce of transpor	riation records	f			<u> </u>
Mortality Records								
1. Mortality records a	available for	inspection?						Y
2. How are mortalitie	es disposed	of?			Biogas - Bar	kip		
If other detail:	·				. ~			
3. Mortality records of	complete and	d correctly ente	ered?					Y
			SAL: Wk 39	- 1.61% (14,93	32 fish), Wk 3	8 - 2.27% (2	1,593 fish), V	Vk 37 -
4. Recent mortality (last 4 wks):		3.47% (34,1	81 fish), Wk 30	6 - 3.12% (31,	704)		
5. Evidence of recen	t increased/	atypical morta	lities?					N
If yes, facility nos/no	mortality pe	r facility/no sto	ock per facility	r/reason:				
6. Any other peaks in	n mortality di	uring period cr	necked?		(00 11 1		Ý
If ves detail:	Mortalities a	above the repo	orting threshol	d in summer o	f 2022 and 20	23 attributed	to gill health	and
7 Have increased (inexplained)	mortalities be	en reported to	o vet or FHI2				N/A
If ves, detail action:	nexplained)	inortanties be						
8. Have 'mortality ev	ents' been re	eported to FHI	? If no. enter	details on mor	tality events st	neet.		Y
in the montainty of								

Treatments and Medicines Reco	ords	
1. Recent treatments (see comme	ent)?	Y
If yes, detail:	SLICE - 27th August (7 day treatment), last freshwater 2nd October, Optamas	se
If other, detail:		
2. Medicines records available for	inspection?	Y
3. Are records complete and corre	ectly entered?	Y
4. Are fish in a withdrawal period?		Y
5. If yes, what treatment(s)?	Optamase	
If other, detail:		
6. Are medicines stored appropria	tely?	Y
Biosecurity Records 1. Biosecurity records available fo 2. Has the manner and frequency 3. Has the manner and period in v increased (unexplained) mortality	r inspection? of mortality removal, recording and safe disposal been considered? which the APB will notify Scottish Ministers or veterinary professional of any	Y Y
4. Has the action that will be taker is detected been included and <i>ho</i> 5. Has the health status of aquacu health status, certification if requir	in the event that the presence or suspicion of the presence of a listed disease w and when that will be notified to Scottish Ministers? Ilture animals being stocked on the farm site been covered (equal or higher ed)?	P
6. Have the husbandry and biosed transmission of disease been cover7. Is documentation available regard aquaculture animals held on site?	curity measures implemented between each epidemiological unit to minimise ered (movement of staff, visitors, equipment, live or dead fish etc.)? arding the measures in place to maintain the physical containment of	Ү
8. Have the biosecurity procedure	s been adequately implemented on site?	Y
If no, detail:		
Results of Surveillance	nce been carried out by or on behalf of the business?	Y
2 If yes are results available for i	nspection?	Y
3. Any significant results?		Y
If ves, detail (if not detailed under	recent disease problems).	
Records check	ked between: 04/11/2021 - 04/10/2023	

F۲	II 059, Version 13		Issued by: FHI										
	Case no:	2023-04	460	Site No:	:	FS1281			Date of	visit/	04/	10/2023	04/*
	Priority samples:	VI		BA		PA		MG	Samplir	ng: HI			
	Time sampling starts/ends:	14:4	5:00	15:2	0:00		Inspect	or:			VMD No	D.	15
	Environmental conditions:	1		2		3		4		5			
	Summary samples	HIST		BA		MG		VI		PA		Total Sa	mples
A	dd Fish/Pools - click IPool/Fish No												
	Fish nos	1-2	3-4	5-6									
	Pool Group												
	Species	SAL	SAL	SAL									
	Average weight	1.4890	1.4890	1.4890									
	Sex	N/A	N/A	N/A									
	Water Type	SW	SW	SW									
tock Details	Stock Origin	Clachan Hatchery (FS0398)	Applecross Hatchery (FS1336)	Ecch Huamavat (FS0737)									
S		1	4	10									

0/2023 Additional Sample Information:														
0 Total Tests assigned 0														
	1	rotar r	0010 000	igned	0	l								
	-		-									-	 	

Case Number:	2023-0460		Site No:	FS1281		Insp:	
Date of Visit	04/10/2023		No of m	ovements/s	supp./dest.		Score
Live fish movements			0	1-5	6-10	>10	
Movements on (from out	Frequency of n	novements on from equivalent MS	0	5	10	14	0
species	Frequency of n compartment in	novements on from equivalent zone or ncluding third country	0	9	18	26	0
	Number of sup	pliers	0	5	10	14	0
Movements off	Frequency of n	novements off	0	3	6	10	10
	Number of des	tinations	0	3	6	10	3
Exposure via water		Site contacts	0	1-5	6-10		
farms (holding species susceptible to same diseases)	disinfection or	borehole)	0				
	farms upstream	n or within 1 tidal excursion	1	2	4		2
	farms upstream	n or within 1 tidal excursion	1	3	6		
	farms upstream	or in a coastal zone with category v n or within 1 tidal excursion	1	4	8		
Management practices			None	Secure	Unsecure		
Water contacts with processors	Any processing	g plant discharging into adjacent waters	0	1	2		1
On farm processing within the rules of the directive	No on farm pro	ocessing	0				0
	Processing ow	n fish (re-cycling risk)	1				
	Processing fish	n from MS of equivalent status	2				
	Processing fish equivalent stat	n from zone or compartment of us	4				
	Processing fish	n from Category III farm	8				
	Processing fish	n from Category V farm	10]			
Disposal of fish and fish by-	Site's own was	te only processed.	0				
products	Common proce	esses with other farms	3				3
	Collection poin	t for waste from other farms	5				
Use of unpasteurised feeds	No feeding of u	unpasteurised 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		1
	Sites sharing s	taff and equipment	0	1	2		1
Disinfection of equipment	Yes		0				0
footbaths etc	No		1				
CoGP/Regulator	•			•			
Practices in accordance with regulator or industry	Yes		0				0
code of practice			3				
Platform access to cages	Yes		0				0
	No		2				
					Total		21 MEDIUM

FHI 059, Version 13	Issued by: FHI	Date of issue: 12/05/2020
Case No: 2023-0460	Site No:	FS1281
Sea Lice Inspection (Seawater Sites	Only)	
 Has the site experienced sea lice pro Is the CoGP Farm Management Area Does the site have access to a range azamethiphos and emamectin benzoate can these be deployed in a reasonable 	blems in the previous 4 years? (or equivalent) fallowed synchronously on a single of licenced in-feed and bath sea lice medications (ir a) as well as access to suitable biological and/or med period of time?	year class basis? Including deltamethrin, Chanical control measures, and
 4. Is there a signed documented farm m Management Area (or equivalent)? 	nanagement agreement or statement relevant to the	site and CoGP Farm Y
5. Are sea lice count records available f6. Do records adequately reflect the req	or inspection? (Legal SSI, CoGP Annex 6) uired standard specified in the SSI and the CoGP? (Legal SSI, CoGP Annex 6) Y
7. Are sea lice (<i>L. salmonis</i>) record leve records are inspected? (CoGP Annex 6	els below the suggested criteria for treatment in the C	CoGP during the period that Y
8. Have average adult female sea lice (2 or above (from w/b 10/6/19) during the	L. salmonis) numbers per fish been at a level of 3 or e period that records are inspected?	above (prior to w/b 10/6/19) or N
If yes, have these been reported to the 9. Is <i>C. elongatus</i> infestation at a level	Fish Health Inspectorate? If no, FHI see comment. which is considered to cause significant welfare prob	lems? (CoGP 4.3.81, 5.3.50) N
10. Have therapeutic treatments been a suggested criteria for treatment or wher	dministered or other actions taken when <i>L. salmonis</i> e <i>C. elongatus</i> is considered to have welfare implication	tions? (CoGP 4.3.82, 5.3.51)
11. Has any other action been taken (w12. Have therapeutic treatments or the a13. Are treatments, where conducted, c14. Is there a harvesting strategy for the sea lice?	here applicable)? actions taken had a significant impact upon the lice le arried out in cooperation between participating farms a site, where fewer populations or part populations ar	evels recorded? ? e held without treatment for
15. Is there a site specific written lice m scenarios during the escalation of a sea	anagement procedure with waypoints describing set a lice infestation?	actions to deal with recognised Y
16. Do the sea lice levels observed on s	stocks reflect sea lice count data? If no please detail	reasons. Y
Containment Inspection 1. Has the site experienced equipment of 2. Are measures in place to mitigate age Top bird nets, sealpro nets, nets are If other, detail below:	damage due to predators in the current or previous p ainst the predation experienced on site? (Detail below weighed down (20 x 42g chain weights plus a c	roduction cycles? N w) Y centre weight)
 Have escape incidents or events been if Yes proceed with questions 4 – 9. If N Have these been reported to Scottish Have these been reported to local DS Have these been reported to the SSF 	en experienced on or in the vicinity of the site since the lo skip to question 10 Ministers? SFB forthwith (where they exist)? (CoGP – 4.4.37, 5. PO and local fisheries trusts forthwith (where they exist)	N 4.17) st)? (CoGP – 4.4.37, 5.4.17)
7. Were methods (if any) used to recove	er escapees? If yes give detail	
 8. If gill nets were deployed was this activity ministers? (Legal, CoGP – 4.4.38, 5.4.1 9. What action was taken to prevent and be considered under satisfactory ministeries. 	tion agreed with local wild fish interests and was perr 8) d minimise the risk of further escapes? (Not covered easures of the Act)	nission given by Scottish in code but could
10. Is the site inspected as satisfactory	with regards to containment? If no, please detail reas	Son(S)



Harvesting 20. Does the FMAg/S identify acceptable harvest practices on farms in the area or individual farms?	Y
Fallowing 21. Does the FMAg/S identify the dates by which the area or individual farm will be fallow and the earliest date when a form or erea may be restanced?	Y
22. Does the FMAg/S identify whether one or more year classes may be stocked onto sites covered by the agreement or statement?	Y
23. Does the FMAg/S identify whether broodstock or potential broodstock are to be kept on any site covered by the agreement or statement?	Y
Point of Compliance for Farm Management Agreements Only 24. Does the farm management agreement include arrangements for persons to become, or cease to be, parties to the agreement?	N/A
Management and operation25. Is the fish farm being managed and operated in accordance with the agreement or statement?26. What is the version no/date of issue of the FMAg/S?27/02/2023	Υ

Issued by: FHI

FHI 059, Version 13

Date of issue: 12/05/2020

Site No: FS1281

Case No: 2023-0460

Nature of non-compliance:

Action taken (FHI):

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

Case No:	2023-0460			Date of visit: 04/10/2023							
Site No:	FS1281]		Inspector:							
Results Summary	Freq.			Date of Notification							
		Database	Insp	Phone	Insp	Writing	Insp	2 nd Insp			
			-								
Report Summary				1							
Case Type	Date	Insp	2 nd Insp								
ECI, CNI, SLI, VMD	11/10/2023										



FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

 BUSINESS NO
 FB0169

 SITE NO
 FS1281

 CASE NO
 20230460

DATE OF VISIT04/10/2023SITE NAMESgian DubhINSPECTORInspector

Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

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

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

Records

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

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

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

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

Mortality records were inspected and found to be adequately maintained.

Mortality levels had exceeded the reporting criteria since the last inspection and had 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.



Date: 11/10/2023

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

FHI 059, Version 13	ls	sued by: FHI	Date of issue: 12/05/2020
Case No: 2023-0463			Date of visit: 03/10/2023
Time spent on site:	2.5 hours	Main Inspe	ctor:
Site No: FS0242 Business No: FB0169	Site Name: Business Name:	Gravir Bakkafrost Scotland	
Case Types: 1 DIA	2 REP 3	4 5	6
Water Temp (°C): 13.23	Thermometer No:	Т309	FHI 045 completed N/A
Observations:	Region: WI	Water type: S	CoGP MA: W-4
Dead/weak/abnormally behavir Clinical signs of disease observ Gross pathology observed? Diagnostic samples taken? UNI/REG only - if unable to car	ig fish present? /ed? ry out intended visit detail r	Y If yes, see additional in Y	formation/clinical score sheet. formation/clinical score sheet. formation/clinical score sheet.

Additional Case Information:

Site inspected in order to conduct a further round of diagnostic sampling following increased, further mortality at the site since the date of last inspection, which was 31/07/2023.

Gravir has been harvesting the site out since the start of August this year, during the physical inspection of the site, only one pen remained stocked with 6,000 fish. Due to the size of the pens (120m) only a small number of fish were observed during the inspection, two fish were captured and removed for diagnostic sampling. Of the fish observed during the inspection, clinical signs of disease were observed. Fish appeared extremely lethargic and moribund, some fish presented with a loss of equilibrium in their swimming behaviour and other were observed as being anorexic.

Recent health checks conducted by the companies vet revealed positive results for furunculosis and AGD, which is consistent with the diagnostic findings achieved during the last FHI diagnostic.

No treatments have taken place since the last date of inspection.

Case No: 2023-0463 Site No: FS0242 Date of Visit: 03/10/2023 Registration/Authorisation Details 1. Business/site details summary checked by site representative? 2. Changes made to details? Site Details (include cleaner fish for all sections) Total No facilities 12 Species SAL Age group 2022 S0 No Fish 6,000 Mean Fish Wt 2.5kg Next Fallow Date (Site) 04/10/2023 Recent (last 4 wks) disease problems? Y If yes, detail: Areomonas salmonicida, AGD, PGD
Date of Visit: 03/10/2023 Registration/Authorisation Details 1. Business/site details summary checked by site representative? 2. Changes made to details? Site Details (include cleaner fish for all sections) Total No facilities Species SAL D Facilities stocked Species Species Species SAL D Facilities stocked Species
Registration/Authorisation Details 1. Business/site details summary checked by site representative? 2. Changes made to details? Site Details (include cleaner fish for all sections) Total No facilities 12 Species SAL Age group 2022 S0 No Fish 6,000 Mean Fish Wt 2.5kg Next Fallow Date (Site) 04/10/2023 Recent (last 4 wks) disease problems? Y If yes, detail: Areomonas salmonicida, AGD, PGD
Site Details (include cleaner fish for all sections) Total No facilities Species Age group No Fish Mean Fish Wt Next Fallow Date (Site) Recent (last 4 wks) disease problems? If yes, detail: Movement Records 1. Movement records available for inspection?
Total No facilities 12 Facilities stocked Species SAL Image: Sale of the stocked Age group 2022 S0 Image: Sale of the stocked No Fish 6,000 Image: Sale of the stocked Mean Fish Wt 2.5kg Image: Sale of the stocked Next Fallow Date (Site) 04/10/2023 Next Input Date Recent (last 4 wks) disease problems? Y If yes, detail: Areomonas salmonicida, AGD, PGD Movement Records 1. Movement records available for inspection? 2. Deta of last inspection? 2. Deta of last inspection?
Species SAL Age group No Fish No Fish Mean Fish Wt Description Mean Fish Wt Skg Odd/10/2023 Next Fallow Date (Site) Recent (last 4 wks) disease problems? If yes, detail: Areomonas salmonicida, AGD, PGD Movement Records 1. Movement records available for inspection? 2. Data of last inspection?
Age group 2022 S0 Image: state stat
No Fish 6,000 Image: Constraint of the second
Mean Fish Wt 2.5kg 04/10/2023 Next Fallow Date (Site) 04/10/2023 Next Input Date Recent (last 4 wks) disease problems? Y If yes, detail: Areomonas salmonicida, AGD, PGD Movement Records 1. Movement records available for inspection?
Next Fallow Date (Site) 04/10/2023 Next Input Date Recent (last 4 wks) disease problems? Y If yes, detail: Areomonas salmonicida, AGD, PGD Movement Records 1. Movement records available for inspection? 2. Date of last inspection?
Recent (last 4 wks) disease problems? Y If yes, detail: Areomonas salmonicida, AGD, PGD Movement Records 1. Movement records available for inspection? 2. Data of last inspection: 2. Data of last inspection?
If yes, detail: Areomonas salmonicida, AGD, PGD Movement Records 1. Movement records available for inspection? 2. Data of last inspection:
Movement Records 1. Movement records available for inspection?
 2. Date of last inspection. 3. Are records complete and correctly entered? 4. Are movement records available for dead fish and waste? 5. Are records complete and correctly entered? 6. Are health certificates for introductions (outwith GB) available? Transport Records Are any movements carried out by (or on behalf) of the business (not using a STB)? If yes, is there a system in place for maintenance of transportation records?
Mortality Records
1. Mortality records available for inspection?
2. How are mortalities disposed of?
Whole fish by Whiteshore cockle's, excess mortality has been re
3. Mortality records complete and correctly entered?
4. Recent mortality (last 4 wks): 5. Evidence of recent increased/atypical mortalities? If yes, facility nos/no mortality per facility/no stock per facility/reason: 10.65%).
6. Any other peaks in mortality during period checked?
If yes, detail:
7. Have increased (unexplained) mortalities been reported to vet or FHI?
If yes, detail action:
8. Have 'mortality events' been reported to FHI? If no, enter details on mortality events sheet.

Treatments and Medicines Records
1. Recent treatments (see comment)?
If yes, detail:
If other, detail:
2. Medicines records available for inspection?
3. Are records complete and correctly entered?
4. Are fish in a withdrawal period?
5. If yes, what treatment(s)?
If other, detail:
6. Are medicines stored appropriately?
Biosecurity Records
1. Biosecurity records available for inspection?
2. Has the manner and frequency of mortality removal, recording and safe disposal been considered?
3. Has the manner and period in which the APB will notify Scottish Ministers or veterinary professional of any increase
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 de
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 si

6. Have the husbandry and biosecurity measures implemented between each epidemiological unit to minimise transm (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 an8. Have the biosecurity procedures been adequately implemented on site?

If no, detail:

Results of Surveillance

1. Has any animal health surveillance been carried out by, or on behalf of, the business?

2. If yes, are results available for inspection?

3. Any significant results?

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

Records checked between:

31/07/2023 - 0

Inspector(s):			
			•
		N	1
		Ν	
1	No facilities insp	ected	12
te (Site)	08/24		
Any escapes	(since last visit)?		N
			Y
		31/07/2023	
			Y Y
			Y
			N/A
			Y
Other (detail)			
emoved and e	nsiled on the Ba	kkaness.	Y
(3024, 2.32%), Wk37 (24,516,	, 9.21%), Wk	36 (34,281,
			N
			N/A
			N1/A
			IN/A
			Y

	Ν
	Y
	Y
	N
	Y
d (unexplained) mortality at the site been	
tected been included and how and when	
tatus, certification if required)?	
ission of dispass been sovered	
ission of disease been covered	
imals held on site?	
	Ý
	Ý
See additional info	
)3/10/2023	

F۲	II 059, Version 13							lss	ued by:	y: FHI			
	Case no:	2023-04	463	Site No:		FS0242			Date of Samplir	visit/ ng:	03/	10/2023	03/*
	Priority samples:	VI		BA		PA		MG		Н			
	Time sampling starts/ends:	15:4	5:00	16:1	5:00		Inspecto	or:		l	VMD No	D.	0
	Environmental conditions:	1	Indoors	2		3		4		5			
	Summary samples	HIST	Y	BA	Y	MG	Y	VI		PA		Total Sa	amples
A	dd Fish/Pools - click												
	Pool/Fish No	F1	F2										
	Fish nos	1	2										
	Pool Group	-											
	Species	SAL	SAL										
	Average weight	2.5kg	2.5kg										
	Sex	N/A	N/A										
	water Type	SVV	SVV										
stock Details	Stock Origin Facility No	Applecross (FS0500)	Applecross (FS0500)										
0)	, <u> </u>		•										

10/2023	23 Additional Sample Information:												
2	1	Total To	ests ass	igned	3	I							

FHI 059, Version 13			Issued by: FHI					Date of issue: 12/05/2020				
Case no:	2023-0463		Site No: FS0242			Method of killing:						
Date of visit:	03/10/202	3	Inspector(s):			Sheet Relevant: Y						
0.6												
S for strong presen	ice: wi for meaium presence: w fo	r weak pres	ence	1		1	1		-	1		
Time sampled after	er death (if > 45 minutes)											
External Signs	(
Behaviour	Moribund	S	S									
	Lethargic	S	S									
	Hanging vertical											
	Spiralling											
	Flashing											
Body	Dark											
Douy	Distended abdomen											
	Anorexic											
	Scale Oedema									-		
Opercula	Shortened		W									
	Flared											
Haemorrhaging	Throat											
	Ventrum	_	vv									
	Base of fins	W	w									
Fues	Exophthalmic											
Lycs	Enophthalmic (sunken)											
	Cataract											
	Haemorrhagic											
Gills	Pale	S	S									
	Zoned											
	Necrotic											
Lesions	Flank											
Vont	LISEWhere		м									
vent	Trailing faeces											
Lice Load	Estimate numbers	0	0									
Internal Signs												
Ascites	Clear											
	Bloody		S									
Oedema	In tissues		N.A.									
Heart	Pale/anaemic	_	IVI									
	Granulomas											
Liver	Petechial haem											
	Gross haem											
	Tissue breakdown		W									
	Enlarged											
	Colour number(s)	4	5									
	Granulomas											
D. d	Lesions		NA									
Pyloric caeca	Petechial haem	_	IVI									
	Lack of fat											
Spleen	Enlarged		S									
	Granulomas											
Gut	No food present											
	Yellow pseudo-faeces	S	S									
	External haem											
	Internal haem		6									
Body wall	Haemorrhaging		5									
Swim bladder	Haemorrhaging		c									
Kidney	Fidia filled		3		-							
Nuney	Grev											
	Granular											
	Liquefied											
General	Parasites present											
	Anaemia											

Issued	by:	FHI
	-	

Case no: 2023-0463

Date of visit:

03/10/2023

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

				r	1	r	1	1	1
risn number									
Time sampled afte	er death (if > 45 minutes)								
External Signs									
Behaviour	Moribund								
	Lethargic								
	Hanging vertical								
	Spiralling								
	Flashing								
	Loss of equilibrium								
Body	Dark								
	Distended abdomen								
	Anorexic		i i						
	Scale Oedema								
Oporcula	Shortonod								
Opercula	Shortened								
	Flared								
Haemorrhaging	Throat								
	Ventrum								
	Base of fins								
	Elsewhere								
Eves	Exophthalmic								
L)03	Enophthalmic (sunkon)								
	Cataract								
	Haemorrhagic								
Gills	Pale								
	Zoned								
	Necrotic								
Lesions	Flank								
20010110	Flsowborg								
Vant	Informed								
vent	Innamed								
	Trailing faeces								
Lice Load	Estimate numbers								
Internal Signs									
Ascites	Clear								
	Bloody								
Oadama									
Oedema									
Heart	Pale/anaemic								
	Granulomas								
	Deformed								
Liver	Petechial haem								
	Gross haem								
	Tissue breakdown								
	Colour number(s)								
	Granulomas								
	Lesions								
Pyloric caeca	Petechial haem								
	Tubules mauve		İ.						
	Lack of fat								
Sploop	Enlarged								
Spieen	Cremulamen								
	Granulomas								
Gut	No food present								
	Yellow pseudo-faeces								
	External haem								
	Internal haem								
Body wall	Haemorrhaging								
Swim bladder	Haemorrhaging								
Kidney	Swollen								
	Grey								
	Granular								
	Liquefied								
General	Parasites present								
	Anaemia								

Additional comments:

Swollen PC in F2.

Site No: FS0242

Case No: 2023-0463

Nature of non-compliance:

Action taken (FHI):

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

Case No:	2023-0463]		Date of visit:	03/10/2023			
Site No:	FS0242]		Inspector:		l		
Results Summary	Freq.	1		Dat	te of Notificat	tion		
	·	Database	Insp	Phone	Insp	Writing	Insp	2 nd Insp
ASAL	2/2	25/10/2023		25/10/2023		30/10/2023		
SERR	1/2	25/10/2023		25/10/2023		30/10/2023		
AGDQ	1/2	25/10/2023		25/10/2023		30/10/2023		
PNST	0/2	25/10/2023		25/10/2023		30/10/2023		
SPVP	0/2	25/10/2023		25/10/2023		30/10/2023		
IPNM	0/2	25/10/2023		25/10/2023		30/10/2023		
ISAG	0/2	25/10/2023		25/10/2023		30/10/2023		
IHNP	0/2	25/10/2023		25/10/2023		30/10/2023		
SALP	0/2	25/10/2023		25/10/2023		30/10/2023		
VHSV	0/2	25/10/2023		25/10/2023		30/10/2023		
			1	-				
Report Summary								
Case Type	Date	Insp	2 nd Insp					
DIA/REP	25/10/2023							
	1							



FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS No FB0169 SITE NO FS0242 CASE NO

20230463

DATE OF VISIT 03/10/2023 SITE NAME Gravir INSPECTOR

Section 1: Summary

The above site was inspected following reports of increased mortality by the farm operator. During the inspection of the site, two fish were removed for diagnostic sampling.

Histopathology examination revealed moderate, multifocal, hyperplasic branchitis. F2 also displayed features resembling Aeromonas salmonicida (furuncolosis). Hepatocellular necrosis and necrotising nephrites also observed. One fish also displayed areas of light HE stain in the compactum stratum.

Aeromonas salmonicida was identified on plates taken from kidney material from both fish tested, the level and purity of growth would suggest that this bacterium is present as a primary pathogen. From our antimicrobial sensitivity testing there is no evidence of resistance to AML, FFC, SXT or OT.

Serratia liquefaciens was identified on plates taken from kidney material of fish 1 and gill material of 2/2 fish. The level and purity of growth would suggest this bacterium may also be implicated in morbidity in this fish.

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

Section 2: Case Detail

Observations

The site was previously inspected on 31/07/2023 and diagnostic samples were taken, please refer to the previous report for results.

The site was reinspected due to continued high levels of reported mortality since the date of last inspection. At the time of inspection, Garvir were nearing the end of their harvest, approximately 6,000 fish were left onsite from one pen which was due to be harvested the following day. Due to the low biomass, only a few fish were observed within this pen. Of the visible stock which was observed, fish appeared lethargic and moribund. Two fish were captured and removed for diagnostic sampling. The stock had previously been diagnosed with Furunculosis and have had ongoing, persistent issues with gill health which had been exacerbated by an environmental insult earlier in the year.

Both fish sampled presented as lethargic and moribund prior to removal for sampling. Externally, F2 had shortened opercula and haemorrhaging was observed at the ventrum. The Gills of both fish were pale. Internally, F2 had bloody ascites within the body cavity, the heart was pale and anaemic and some tissue breakdown was observed on the liver. Petechial haemorrhaging was observed on the pyloric caeca, the spleen was enlarged and the swim bladder was fluid filled in F2. Both fish had yellow pseudo-faeces present within the gut.

Samples

Samples were collected from 2 fish according to the table below:

Fish number	Facility number	Species	Stage	Origin
F1	4	Atlantic Salmon	2022 S0 2.5kg	Applecross (FS0500)
F2	4	Atlantic Salmon	2022 S0 2.5kg	Applecross (FS0500)

Results

Bacteriology: Kidney and gill material from two fish was inoculated onto appropriate media for the isolation of bacteria.

The following bacteria were isolated:

- Areomonas salmonicida : F1 & F2 (Kidney)
- Serratia liquefaciens : F1 (Kidney), F1 & F2 (Gill)

From the tests conducted, we do not have evidence of resistance to amoxycillin, oxytetracycline, sulphamethoxazole/trimethoprim or florfenicol.

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

The samples tested negative for infectious haematopoietic necrosis virus (IHNV), infectious pancreatic necrosis virus (IPNV), infectious salmon anaemia virus (ISAV), salmonid alphavirus (SAV) and viral haemorrhagic septicemia virus (VHSV), salmon gill poxvirus (SGPV), piscine reovirus (PRV) 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		Reported Result (PCR)		
F1	19.36	29.88	29.78	29.95	POSITIVE
F2	18.99	26.64	26.43	26.65	POSITIVE

Neoparamoeba perurans (AGD)

Fish Number	Endogenous control Cp value		Reported Result (PCR)		
F1	19.36	32.94	32.17	32.62	POSITIVE
F2	18.99	33.23	-	-	Negative

R09 UKAS accredited testing laboratory No. 1964 Marine Laboratory, 375 Victoria Road, Aberdeen, AB11 9DB Tel - 0131 244 3498 Fax - 0131 244 0944 Email - <u>ms.fishhealth@gov.scot</u> Website - <u>www.gov.scot/Topics/marine/science</u> **Histology:** Tissue samples of gill, skin and skeletal muscle, heart, pyloric caeca, pancreas, hind gut, liver, spleen and kidney were taken from 2 fish. The tissue samples were fixed in 10% neutral buffered formalin.

Histopathological examination revealed the following:

Gill: Filament branchitis, moderate, multifocal (F1, F2), mainly observed at the filament tips. F2 also displayed tiny areas of necrosis. Free blood among gill filaments (F1 & F2).

Skin & Muscle: Degeneration of the white skeletal musculature, mild, multifocal (F2).

Heart: Marked eipcarditis and Gram-negative bacterial aggregates observed on the atrium chamber wall (F2). Areas of light H&E stain observed in the compact layer (F2).

Gut and pyloric caeca: Peritonitis, mild (F2).

Pancreas: Within the normal range.

Liver: Hepatocellular necrosis, mild, multifocal (F1 & F2). Moderate, capsulitis (F2), some cuffing (F1). Mild, multifocal, hepatocellular vacuolation (macrovesicles) (F2).

Kidney: Foci of interstitial cell (haemopoietic) granuloma-like structures with few rod-shaped Gram negative bacetria (F1) and areas of interstitial cell (haemopoietic) necrosis (F2), mild, multifocal.

Spleen: Necrotising splenitis with Gram-negative rod-shaped bacteria, multifocal, mild (F3), few aggregates of Gram-negative rod-shaped bacteria in F2, F3, F4. F5 exhibited cuffing (F4).

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: 03/10/2023

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)

AFH-2023-0463














FHI 059, Version 13	lss	sued by: FHI	Date of issue: 12/05/2020
Case No: 2023-0465			Date of visit: 11/10/2023
Time spent on site:	3.5hrs	Main Inspec	ctor:
Site No: FS0805 Business No: FB0119	Site Name: Business Name:	Bagh Dail Nan Cean Mowi Scotland Ltd	
Case Types: 1 REP	2 VMD 3 DIA	4 5	6
Water Temp (°C): 13.38	Thermometer No:	Т309	FHI 045 completed N/A
Observations:	Region: ST	Water type: S	CoGP MA: M-40
Dead/weak/abnormally behavir Clinical signs of disease observ Gross pathology observed? Diagnostic samples taken? UNI/REG only - if unable to car	ig fish present? /ed? ry out intended visit detail re	Y If yes, see additional inf Y If yes, see additional inf Y If yes, see additional inf Y eason below:	ormation/clinical score sheet. formation/clinical score sheet. formation/clinical score sheet.

FHI 059, Version 13 Additional Case Information:

Current fish on site moved on from Maclean's Nose: wk33. Previous cycle fish were harvested and site was fallowed out in wk 31. 13/08/2023

Stock origin of fish: Loch Lochy, Ireland. Transferred to site from Maclean's Nose.

Cleanerfish mortality 2023 (recent 4 weeks): Wrasse; Wk39, 4.96%, 2275; Wk38, 2.61%,1230; Wk37, 2.49%,1205; Wk36, 1.30%, 488 (attributed to furunculosis) Lumpfish culled following harvest of fish from previous cycle in Wk31.

2/08/2023 - culled out the lumpfish.

Health visits: more swabs taken on 05/10/2023, AGD, 2/10 positive. Health checks conducted every 2 weeks.

Movement of fish from MacLean's Nose: first two deliveriesfish exhibited AGD. Pen 2 and 3 were experiencing higher levels of AGD. Gentle peroxide treatment in the well but stopped immediately as temperature was too high. Mortality in wk 33 correspondes to this treatment loss. Risk assessment in place (dated 11/08/2023) for transfer of fish from 13/08/2023 - inspected.

Site inspected on 11/10/2023 (7/8 stocked pens inspected) and two moribund fish removed for diagnostic sampling. F1 was observed to have many small, almost circular lesions on its flanks and operculum. F2 presented with very pale, grey gills. Due to weather, one pen was not inspected.

Pen 1 harvested out 11/10/2023. Plans to harvest pen 10 12/10/2023.

movement records inspected: some harvests conducted via deadhaul. Either shipped to Larne or Blar Mhor from Oban pier.

FHI 059, Ver	sion 13			Issued by:	FHI		Date	e of issue: 12/05/2020
Case No:	2023-0465		Site No:	FS0805				
Doto of		11/10/2022	I		Increator(a)			
Visit:		11/10/2023			:			
Degistration	/Authoricoti	an Dataila						_
	NAUTORISATI	on Details	ad hy sita ran	recentative?			V	-
2. Changes	made to detai	ls?	ed by site rep	resentative:			N	-
Site Details	(include clea	aner fish for a	all sections)					
Total No faci	lities	12	Facilities stor	cked	8	No facilities i	nspected	7
Species	SAL	WRS			-			
Age group	2022 Q4	wild caught						
No Fish	250,000	43,500						
Mean Fish	3.5kg	mix						
Next Fallow	Date (Site)	End of Nover	nber	Next Input D	ate (Site)	Start April 20	24	
Recent (last	4 wks) diseas	se problems?		Y	Any escapes	(since last vi	sit)?	N
If ves.	PRV-1, SRS	, AGD			,, cocc.pcc	(000 10.01 11	,.	
detail:	,	,						
 Date of las Are record Are moved Are record Are record Are health Transport R Are any m If yes, is ther Mortality Re Mortality r 	st inspection: Is complete a ment records is complete a certificates for ecords ovements car re a system in ecords ecords availa	nd correctly e available for o nd correctly e or introduction rried out by (o place for mai	ntered? dead fish and ntered? ls (outwith GE r on behalf) o ntenance of t ion?	waste? 3) available? f the business ransportation	s (not using a records?	STB)?	15/03/2023	Y Y Y N/A
2. How are n	nortalities disp	posed of?			Other (detail)			
If other detail:	Taken to Ka	mes Pier, ens	iled and then	taken to Bark	ip Biogas			
3. Mortality r	ecords compl	ete and correc	ctly entered?					Y
			2023: Wk39, 1.20%.4699	1.78%,5764; (mortalities at	Wk38, 1.43% tributed to HS	6,5490; Wk37 MI and anae	′,1.13%,437 mia) : clean	1; Wk36, erfish
4. Recent me	ortality (last 4	wks):	mortality: see	additional in	formation		, ,	
5. Evidence	of recent incre	eased/atypical	mortalities?					Y
If yes, facility	nos/no morta	ality per facility	//no stock per	facility/reaso	n:			
pen 1, 2 and	10 and 11 (a	naemia and H	ISMI).	0				
6. Any other	peaks in mor	tailty during pe	enoa checkea				444.14/1/200	1
detail:	WK33, 10.28	%, 17382 (Me	alicinal IOSS, 8 1 05% /112	5: Wk27 1 9	5% /165 (att	ributed to PD	414, WK30,	5.79%,3493;
7. Have incre	eased (unexp	ained) mortal	ities been ren	orted to vet α	r FHI?			N/A
If yes, detail	action:							
8. Have 'mor	tality events'	been reported	to FHI? If no	, enter details	on mortality	events sheet.		Y

Treatments and Medicines Records		
1. Recent treatments (see comment)?		Y
If yes, detail: T.M.S		
If other, detail:		
2. Medicines records available for inspection?		Y
3. Are records complete and correctly entered?		Y
4. Are fish in a withdrawal period?		Y
5. If yes, what treatment(s)?	T.M.S	
If other, detail:		
6. Are medicines stored appropriately?		Y
Piecesurity Pecerde		
1 Piececurity records available for inspection?		
2. Has the manner and frequency of mortality remova	val recording and safe disposal been considered?	
2. Has the manner and neried in which the APR will n	al, recording and sale disposal been considered.	
3. Has the manner and period in which the Ar D with a site beat increased (unexplained) mortality at the site beat	noting Scottish ministers of veterinary professional of	
4. Use the action that will be taken in the event that the	L	
4. Has the action that will be taken in the event that the	an that will be notified to Scottish Ministers?	
5. Has the health status of aquaculture animals heing	a stocked on the farm site been covered (equal or	
higher health status, certification if required)?		
6. Have the husbandry and biosecurity measures imp	plemented between each epidemiological unit to	
minimise transmission of disease been covered (mov	evement of staff, visitors, equipment, live or dead fish	
etc.)?		
7. Is documentation available regarding the measures	es in place to maintain the physical containment of	
aquaculture animals held on site?		
8. Have the biosecurity procedures been adequately i	implemented on site?	
If no, detail:		
Results of Surveillance		
1. Has any animal health surveillance been carried out	out by, or on behalf of, the business?	Y
2. If yes, are results available for inspection?		Y
3. Any significant results?		Y
	PRV-1, Piscrikettsia salmonis (4/7) 19.09	.2023;
If yes, detail (if not detailed under recent disease prob	oblems). CMS seen in larger fish.	
Records checked between:	15/03/2023-11/10/2023	

II 059, Version 13							lss	sued by:	FHI			
Case no:	2023-04	465	Site No:		FS0805			Date of	visit/	11/	10/2023	11/ [,]
Priority samples:	VI		BA		PA		MG	Samplir	ng: HI			
Time sampling starts/ends:	12:2	0:00	13:0	0:00		Inspect	or:			VMD No	o.	10
Environmental conditions:	1	Indoors	2		3		4		ວ			
Summary samples	HIST	Y	BA	Y	MG	Y	VI		PA		Total Sa	amples
dd Fish/Pools - click	E 1	E 2										
Fish nos	Г I 1	г∠ 2	3									
Pool Group	Ч Р1	P2	5									
Species	SAL	SAL	SAL									
Average weight	3.5kg	3.5kg	3.5kg									
Sex	N/A	N/A	N/A									
Water Type	SW	SW	SW									
Stock Origin	MacLean's Nose (FS0599)	MacLean's Nose (FS0599)	5 MacLean's Nose (FS0599)									
	Case no: Priority samples: Time sampling starts/ends: Environmental conditions: Summary samples dd Fish/Pools - click Pool/Fish No Fish nos Pool Group Species Average weight Sex Water Type Stock Origin Facility No	II 059, Version 13 Case no: 2023-04 Priority samples: VI Time sampling 12:2 starts/ends: 1 Environmental conditions: 1 Summary samples HIST dd Fish/Pools - click Pool/Fish No F1 Fish nos 1 Pool Group P1 Species SAL Average weight 3.5kg Sex N/A Water Type SW Stock Origin W Facility No 10	II 059, Version 13 Case no: 2023-0465 Priority samples: VI Time sampling 12:20:00 starts/ends: 1 Environmental conditions: 1 Summary samples HIST Y Y Ad Fish/Pools - click F1 Pool/Fish No F1 F1 F2 Fish nos 1 Pool Group P1 P2 Species SAL SAL Average weight 3.5kg Sex N/A N/A N/A Water Type SW SW SW Stock Origin W Facility No 10	Il 059, Version 13 Case no: 2023-0465 Site No: Priority samples: VI BA Time sampling 12:20:00 13:0 starts/ends: Environmental conditions: 1 Indoors 2 Summary samples HIST Y BA dd Fish/Pools - click HIST Y BA Pool/Fish No F1 F2 5 Fish nos 1 2 3 Pool Group P1 P2 5 Species SAL SAL SAL Average weight 3.5kg 3.5kg 3.5kg Sex N/A N/A N/A Water Type SW SW SW Stock Origin Will Will Will Facility No 10 11 10	Case no: 2023-0465 Site No: Priority samples: VI BA Time sampling 12:20:00 13:00:00 starts/ends: Environmental conditions: 1 Indoors 2 Summary samples HIST Y BA Y dd Fish/Pools - click HIST Y BA Y dd Fish/Pools - click Pool/Fish No F1 F2 Image: Comparison of the second s	Case no: 2023-0465 Site No: FS0805 Priority samples: VI BA PA Time sampling 12:20:00 13:00:00 starts/ends: Environmental conditions: 1 Indoors 2 3 Summary samples HIST Y BA Y MG dd Fish/Pools - click Pool/Fish No F1 F2	Case no: 2023-0465 Site No: FS0805 Priority samples: VI BA PA Time sampling 12:20:00 13:00:00 Inspector starts/ends: Environmental conditions: 1 Indoors 2 3 Summary samples HIST Y BA Y MG Y dd Fish/Pools - click Fish nos 1 2 3	Case no: 2023-0465 Site No: FS0805 Priority samples: VI BA PA MG Time sampling 12:20:00 13:00:00 Inspector: Inspector: starts/ends: Environmental conditions: 1 Indoors 2 3 4 Summary samples HIST Y BA Y MG Y VI dd Fish/Pools - click Pool/Fish No F1 F2	In 059, Version 13 Issued by: Case no: 2023-0465 Site No: FS0805 Date of Samplir Priority samples: VI BA PA MG Time sampling 12:20:00 13:00:00 Inspector: Inspector: starts/ends: Environmental conditions: 1 Indoors 2 3 4 Summary samples HIST Y BA Y MG Y Id Fish/Pools - click Pool/Fish No F1 F2	In 059, Version 13 Issued by: PHI Case no: 2023-0465 Site No: FS0805 Date of visit/ Sampling: Priority samples: VI BA PA MG HI Time sampling starts/ends: 12:20:00 13:00:00 Inspector: Image: Comparison of the sampling starts/ends: Environmental conditions: 1 Indoors 2 3 4 5 Summary samples HIST Y BA Y MG Y PA Pool/Fish No F1 F2 Pool/Fish No F1 F2 Pool Group P1 P2 Secies SAL SAL SAL SAL Sex V/A N/A <td>It 059, Version 13 Itsued by: FHI Case no: 2023-0465 Site No: FS0805 Date of visit/ Sampling: 11/ Sampling: Priority samples: VI BA PA MG HI Time sampling 12:20:00 13:00:00 Inspector: VMD No starts/ends: Environmental conditions: 1 Indoors 2 3 4 5 Summary samples HIST Y BA Y MG Y PA dd Fish/Pools - click Pool Group P1 P2 </td> <td>It 059, Version 13 It 059, Version 13 It 059, Version 13 Case no: 2023-0465 Site No: FS0805 Date of visit/ Sampling: 11/10/2023 Sampling: Priority samples: VI BA PA MG HI Time sampling 12:20:00 13:00:00 Inspector: VMD No. starts/ends: Environmental conditions: 1 Indoors 2 3 4 5 Summary samples HIST Y BA Y MG Y VI PA Total Sa Add Fish/Pools - click F1 F2 </td>	It 059, Version 13 Itsued by: FHI Case no: 2023-0465 Site No: FS0805 Date of visit/ Sampling: 11/ Sampling: Priority samples: VI BA PA MG HI Time sampling 12:20:00 13:00:00 Inspector: VMD No starts/ends: Environmental conditions: 1 Indoors 2 3 4 5 Summary samples HIST Y BA Y MG Y PA dd Fish/Pools - click Pool Group P1 P2	It 059, Version 13 It 059, Version 13 It 059, Version 13 Case no: 2023-0465 Site No: FS0805 Date of visit/ Sampling: 11/10/2023 Sampling: Priority samples: VI BA PA MG HI Time sampling 12:20:00 13:00:00 Inspector: VMD No. starts/ends: Environmental conditions: 1 Indoors 2 3 4 5 Summary samples HIST Y BA Y MG Y VI PA Total Sa Add Fish/Pools - click F1 F2

10/2023	Additional Sample Information:											
2		Total To	ests ass	igned	7							

FHI 059, Versio	n 13	Issued by:			FHI				Dat	e of iss	ue: 12/0	5/2020
Case no:	2023-0465		Site No):	FS080	5	M	ethod of	killing:	Percus	sive	
Date of visit:	11/10/202	23	3 Inspector(s):				Sheet Relevant: Y			Y		
S for strong preser	nce: M for medium presence: W fo	r weak pres	sence									
Fish Number		1	2									
Time sampled after	er death (if > 45 minutes)	74mins	80mins									
External Signs	• • •											
Behaviour	Moribund	Μ	Μ									
	Lethargic	Μ	м									
	Hanging vertical											
	Spiralling											
	Flashing	_	_									
Dedu	Loss of equilibrium	_										
Боау	Dark Distonded abdomon	_	-									
		_										
	Scale Oedema											
Opercula	Shortened											
	Flared											
Haemorrhaging	Throat											
	Ventrum	W	W									
	Base of fins											
-	Elsewhere											
Eyes	Exophthalmic											
	Enophthalmic (sunken)	_										
	Cataract		-									
Gille	Pale	-	S									
0113	Zoned	W	s									
	Necrotic		M									
Lesions	Flank	S										
	Elsewhere											
Vent	Inflamed											
	Trailing faeces											
Lice Load	Estimate numbers		30									
		_										
Internal Signs		_										
Ascites	Clear		W									
Oedema												
Heart	Pale/anaemic	-										
liouit	Granulomas											
	Deformed	W										
Liver	Petechial haem											
	Gross haem											
	Tissue breakdown											
	Enlarged		L									
	Colour number(s)	4	3									
	Granulomas											
Pyloric cases	Petechial haem											
i yione caeca	Tubules mauve											
	Lack of fat											
Spleen	Enlarged											
-	Granulomas											
Gut	No food present	S	S									
	Yellow pseudo-faeces	S	S									
	External haem											
D	Internal haem											
Body wall	Haemorrhaging											
Swim bladder	Fluid filled											
Kidney	Swollen											
i duno y	Grev											
	Granular											
	Liquefied											ľ
General	Parasites present											
	Anaemia											

FHI 059, Version 13

Issued	by:	FHI
	-	

Case no:	2023-0465

L

Date of visit:

11/10/2023

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

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

2023-0465

Site No: FS0805

Case No: 2023-0465

Nature of non-compliance:

Action taken (FHI):

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

FHI 059, Version 13

Case No:	2023-0465]		Date of visit:	11/10/2023	3		
Site No:	FS0805]		Inspector:				
Results Summary	Freq.			Da	te of Notifica	ation		
		Database	Insp	Phone	Insp	Writing	Insp	2 nd Insp
AGD	2/2	17/10/2023		17/10/2023		07/11/2023	8	
SALP	0/2	17/10/2023		17/10/2023		07/11/2023	8	
VHSP	0/2	17/10/2023		17/10/2023		07/11/2023	8	
IHNP	0/2	17/10/2023		17/10/2023		07/11/2023	8	
IPNM	0/2	17/10/2023		17/10/2023		07/11/2023	8	
ISAQ	0/2	17/10/2023		17/10/2023		07/11/2023	8	
PNST	2/2	17/10/2023		17/10/2023		07/11/2023	8	
PISP	2/2	17/10/2023		17/10/2023		07/11/2023	8	
PMVP	0/2	17/10/2023		17/10/2023		07/11/2023	8	
PRVP	2/2	17/10/2023		17/10/2023		07/11/2023	8	
SPVP	2/2	17/10/2023		17/10/2023		07/11/2023	8	
PSFL	1/2	26/10/2023		26/10/2023		07/11/2023	8	
VSPE	1/2	26/10/2023		26/10/2023		07/11/2023	8	
				_				
Report Summary								
Case Type	Date	Insp	2 nd Insp					
DIAG, REP	07/11/2023	\$						
VMD	07/11/2023	\$						



FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS NO FB0119 SITE NO FS0805 CASE NO

20230465

DATE OF VISIT 11/10/2023 SITE NAME Bagh Dail Nan Cean INSPECTOR

Section 1: Summary

The above site was inspected following a report of increased mortality. During the physical inspection, two moribund Atlantic salmon were removed for diagnostic sampling.

Histopathology examination revealed mixed and complex pathology. There was pathology consistent with salmonid rickettsial septicaemia (SRS), which was confirmed via qPCR in both fish testing positive for Piscirickettsia salmonis. Gills displayed multifocal, mild, hyperplasic lamellar branchitis associated with complex gill issues. Hepatocellular necrosis and very mild myocarditis were also observed.

Bacteriology results identified *Pseudomonas fluorescens* on plates taken from gill material in one fish. In addition, Vibrio sp. was identified. However, the level and purity of growth would not suggest that these bacteria would be implicated as a primary pathogen in the morbidity of the fish and are likely to be of environmental origin.

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

Section 2: Case Detail

Observations

The site was inspected following recent reports of increased mortality for a few weeks on site. During the site inspection, two moribund and lethargic fish were removed for sampling. Haemorrhaging was observed around the vents on both fish, whilst circular lesions were only observed on F1. Very pale zoned gills were seen on F2, with slight necrosis observed also. Thirty lice were counted on F2. Internally, F1 exhibited a slightly deformed/rounded heart, and no food was present in the gut expect for pseudofaeces. F2 was observed with bloody ascites and pseudofaeces was present, as well as a lack of food in the gut.

Samples

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

Fish number	Facility number	Species	Stage	Origin
1	10	Atlantic salmon	2022 Q4	Maclean's Nose (FS0599)
2	11	Atlantic salmon	2022 Q4	Maclean's Nose (FS0599)

R09

Results

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

The following bacteria were isolated:

- Pseudomonas fluorescens: F2 (Gill)
- Vibrio sp.: F1 (Lesion)

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

Piscirickettsia salmonis

Fish Number	Endogenous control Cp value	Cp Values			Reported Result (PCR)
F1	20.14	35.12	34.84	34.98	POSITIVE
F2	20.52	>40	>40	>40	POSITIVE

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

Piscine Reovirus (PRV)

Fish Number	Endogenous control Cp value	Cp Values			Reported Result (PCR)
F1	17.55	35.63	35.13	36.75	POSITIVE
F2	17.71	35.65	34.74	35.72	POSITIVE

Salmon Gill Poxvirus (SGPV)

Fish Number	Endogenous control Cp value	Cp Values		Reported Result (PCR)	
F1	20.78	34.12	33.64	33.73	POSITIVE
F2	21.49	33.92	34.36	33.96	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).

Neoparamoeba perurans (AGD)

Fish Number	Endogenous control Cp value	Cp Values		Reported Result (PCR)	
F1	20.78	27.87	27.93	27.86	POSITIVE
F2	21.49	31.58	31.18	31.53	POSITIVE

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

Fish Number	Endogenous control Cp value	Cp Values			Reported Result (PCR)
F1	20.78	30.11	30.07	30.33	POSITIVE
F2	21.49	37.64	36.10	35.50	POSITIVE

Histology: Tissue samples of gill, skin and skeletal muscle, heart, pyloric caeca, pancreas, hind gut, liver, spleen and kidney were taken from two fish.

Histopathological examination revealed the following:

Gill: lamellar hyperplasic branchitis mild, multifocal (F1 & F2), F1 slightly more severe and chronic and F2 mainly at the gill filament tips. Lamellar telangiectasia with multifocal thrombosis and free blood among gill filaments (F1 & F2).

Skin & Muscle: Dermatitis with few intracellular round blue structures resembling bacteria (likely *Piscirickettsia* sp.), moderate, multifocal, observed in F1.

Heart: Small foci of cellular degeneration (F1) and inflammatory cells (F1). Few thrombi (F2).

Gut and pyloric caeca: Within the normal range.

Pancreas: Within the normal range.

Liver: Hepatocellular necrosis, random, mild, multifocal (F2). F1 displayed hepatocellular vacuolation (macrovesicles), mild, diffuse.

Kidney: Few renal tubules displaying hyaline droplets (F1).

Spleen: Within the normal range.

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 Fish Health Inspectorate Service Charter - gov.scot (www.gov.scot)



FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS No FB0119 SITE NO FS0805 CASE NO 20230465

DATE OF VISIT 11/10/2023 SITE NAME INSPECTOR

Bagh Dail Nan Cean

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.

In addition, samples were taken for diagnostic purposes. A separate report will be issued detailing the results of these tests.

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: 07/11/2023

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)

R20

Diagnostic case photos: 2023-0465



Figure 1 Overview photo of a) fish 1 and b) fish 2.



Figure 2 Photos of gills on a) fish 1 and b) fish 2.



Figure 3 Picture of lesions observed on fish 1; a) lesion on head/operculum of fish 1 and b) small-rounded lesions on flanks of fish 1



Figure 4 Internal view of fish 1



Figure 5 Internal view of fish 2