FHI 059, Version 11		Issued by: FHI		Date of issue	e: 12/09/2017		
Case No: 2018-0103				Date of visit: 27/03	3/2018		
Time spent on site:	5 hours	M	lain Inspector	r: DCB	=		
Site No: FS0403	Site Name:	Meavag Hatchery					
Business No: FB0449	Business Name:	Meavag Fish Farm	ning				
Case Types: 1 ECI 2	2 CNI 3	4	5	6			
Water Temp (°C): 6	Thermometer No:	Site	ַ <u>ַ</u>	FHI 045 completed			
Observations:	Region: WI	Water type:	F	CoGP MA:			
Dead/weak/abnormally behaving	fish present?	N If yes, see additional information/clinical score sheet.					
Clinical signs of disease observed	d?			nation/clinical score s			
Gross pathology observed?		N If yes, see ad	ditional inforn	nation/clinical score s	heet.		
Diagnostic samples taken?		N					
UNI/REG only - if unable to carry	out intended visit deta	il reason below:					

Additional Case Information:

Site originally set up for salmon production, however hasn't been used for several years, moving into rainbow trout production.

Trout eggs from Aquasearch, Denmark.

Eggs have begun to hatch, good hatch rate of over 95%

44 troughs plus 2 comp-hatcheries in hatchery

eggs been in since the 3rd of March

Very small biomass of morts, when production in Lochs is up and running, planning on using same methods as was used while producing for tssc

No treatments since last inspection.

FHI 059, Version 11			Issu	ed by: FHI			Date of issue	e: 12/09/2017
Case No:	2018-0103		Site No:	FS0403				
Date of Visit:		27/03/2018	3		Inspector(s):	DCB		l
Registration/Autho 1. Business/site deta 2. Changes made to	ails summary		site representa	ative?			Y N	
Site Details								
Total No facilities Species	RTR	1	Facilities sto	cked	1	No facilitie	s inspected	1
Age group No Fish	Fry 71,381							
Mean Fish Wt	0.1g							
Next Fallow Date (S	ite)	Aug 18		Next Input Da	ite (Site)	Nov 18		
Recent (last 4 wks) of the second (last 4 wks) o	disease probl	ems?		N	Any escapes	(since last	visit)?	N
Movement Records	2							
2. Date of last inspect3. Are records compt4. Are movement records compt5. Are records compt6. Are health certification	elete and correctords available lete and correctord attesting to the corrector attesting to the corrector attesting to the corrector attesting to the corrector attention at the corrector attention attention attention at the corrector attention	le for dead fisectly entered?	sh and waste? ?				01/08/2017	Y Y Y
1. Are any movemer If yes, is there a syst	nts carried out	• ,		•	•			N
Mortality Records								
 Mortality records a How are mortalities 		•			Domestic wa	ste - <25kg		Y
If other detail: 3. Mortality records of	complete and	correctly ent	ered?					Υ
4. Recent mortality (·	controlly one		017: 4/03 241 05 25/03 248	09/03 543 11	/03 493 13/	03 222 14/04	305 18/03
5. Evidence of recen	,	typical morta		20 = 0,00 = 10				N
If yes, facility nos/no	mortality per	facility/no sto	ock per facility	/reason:				
6. Any other peaks in	n mortality du	ring period ch	necked?					N
If yes, detail:								
7. Have increased (ull figure year) detail action:	unexplained) ı	nortalities be	en reported to	vet or FHI?				N/A
8. Have 'mortality ev	rents' been re	ported to FHI	? If no, add M	RT case and e	enter on morta	lity events s	sheet.	N/A

Treatments and Medicines Records	
1. Recent treatments (last 4 wks)?	N
If yes, detail:	
If other, detail:	
2. Medicines records available for inspection?	N/A
3. Are records complete and correctly entered?	
4. Are fish in a withdrawal period?	N
5. If yes, what treatment(s)?	
If other, detail:	
6. Are medicines stored appropriately?	N/A
Biosecurity Records	
Biosecurity records available for inspection?	Y
2. Has the manner and frequency of mortality removal, recording and safe disposal been considered?	Y
3. Has the manner and period in which the APB will notify Scottish Ministers or veterinary professional of any	
increased (unexplained) mortality at the site been included?	Y
4. Has the action that will be taken in the event that the presence or suspicion of the presence of a listed disease	Y
is detected been included and how and when that will be notified to Scottish Ministers?	
5. Has the health status of aquaculture animals being stocked on the farm site been covered (equal or higher health status, certification if required)?	Y
6. Have the husbandry and biosecurity measures implemented between each epidemiological unit to minimise transmission of disease been covered (movement of staff, visitors, equipment, live or dead fish etc.)?	Y
7. Is documentation available regarding the measures in place to maintain the physical containment of aquaculture animals held on site?	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?	N
2. If yes, are results available for inspection?	
3. Any significant results?	
If yes, detail (if not detailed under recent disease problems).	
Records checked between: 01/08/2017 - 27/03/2018	

FHI 059, Version 11		Issued by: FHI			Date	of issue	: 12/09/2017
Case Number:	2018-0103		Site No:	FS0403		Insp:	DCB
Date of Visit	27/03/2018		No of m	ovements/s	supp./dest.		Score
Live fish movements			0	1-5	6-10	>10	
Movements on (from out	Frequency of m	novements on from equivalent MS	0	5	10	14	5
with GB) of susceptible species		novements on from equivalent zone or	0	9	18	26	
	Number of sup	ocluding third country	0			14	5
Mayamanta off			0			10	
Movements off	Frequency of m		0			10	3
Exposure via water		Site contacts	0				
Water contacts with other farms (holding species	Farm is protect disinfection or l	ed (secure water supply through	0				0
susceptible to same		or in a coastal zone with category I					l
diseases)	farms upstream	or within 1 tidal excursion	1	2	4		
		or in a coastal zone with category III or within 1 tidal excursion	1	3	6		
		or in a coastal zone with category V					
	farms upstream	n or within 1 tidal excursion	1	4	8		
Management practices			None	Secure	Unsecure		
Water contacts with processors	Any processing	plant discharging into adjacent waters	0	1	2		0
On farm processing within the rules of the directive	No on farm pro	cessing	0				0
	Processing own	n fish (re-cycling risk)	1	1			
	Processing fish	from MS of equivalent status	2				
	Processing fish equivalent statu	from zone or compartment of us	4				
	Processing fish	from Category III farm	8	1			
	Processing fish	from Category V farm	10				
Disposal of fish and fish by-	Site's own was	te only processed.	0]			0
products	Common proce	sses with other farms	3				
	Collection point	for waste from other farms	5				
Use of unpasteurised feeds	No feeding of u	npasteurised feed	0	-]			0
	Feeding unpas	teurised feed	5				
Biosecurity		Number of sites	1	2 or 3	≥ 4		
Contacts with other sites	Sites operating	from single shorebase	0	1	2		0
	Sites sharing s	taff and equipment	0	1	2		
Disinfection of equipment	Yes		0]			0
between sites, use of footbaths etc	No		1				
CoGP/Regulator				_			
Practices in accordance	Yes		0				0
with regulator or industry code of practice	No		3				
Platform access to cages	Yes						0
	No		2				
					Total Rank		MEDIUM
					Nain		INICOIOINI

Case No:	2018-0103		Site	e No:	FS0403]
Sea Lice Inspection (and 1. Has the site experies	Seawater Sites Only) nced sea lice problems in	the previous 4 years	?			
2. Is the CoGP Farm M	lanagement Area (or equ	ivalent) fallowed sync	chronously on a	single ye	ear class basis?	
azamethiphos and ema	access to a range of licen- amectin benzoate) as we in a reasonable period o cumented farm managem	II as access to suitabl f time?	e biological and	or mech	hanical control meas	
	ecords available for inspe	ction? (Legal SSL Co	GP Annex 6)			
	ely reflect the required sta		•	oGP? (L	egal SSI, CoGP Anr	nex 6)
7. Are sea lice (<i>L. salm</i> records are inspected?	nonis) record levels below (CoGP Annex 6)	the suggested criteri	a for treatment i	n the Co	oGP during the perio	d that
8. Have average adult records are inspected?	female sea lice (<i>L. salmo</i>	<i>nis</i>) numbers per fish	been at a level	of 3 or a	above during the per	iod that
If yes, have these beer	reported to the Fish Hea	alth Inspectorate? If no	o, FHI see comn	nent.		
9. Is C. elongatus infe	station at a level which is	considered to cause s	significant welfar	re proble	ems? (CoGP 4.3.81,	5.3.50)
	reatments been administer reatment or where <i>C. eloi</i>					
11. Has any other action	on been taken (where app	olicable)?				
12. Have therapeutic tr	eatments or the actions t	aken had a significant	t impact upon the	e lice lev	vels recorded?	
	ere conducted, carried ou ng strategy for the site, wh	•				ent for
	ific written lice managem scalation of a sea lice infe		ypoints describi	ing set a	ctions to deal with re	ecognised
16. Does the stock on reasons.	site appear satisfactory ir	relation to sea lice le	evel and sea lice	count d	ata? If no please de	tail
Containment Inspecti	ion					
•	nced equipment damage	due to predators in th	e current or prev	vious pro	oduction cycles?	N
2. Are measures in pla	ce to mitigate against the	predation experience	d on site? (Deta	ail below)	Y
Site inside, Tank lids	/covers					
If other, detail below:						
If Yes proceed with que	ents or events been exper estions 4 – 9. If No skip to ported to Scottish Ministe	question 10	cinity of the site s	since the	e last FHI inspection	? N
5. Have these been rep	ported to local DSFB forth	with (where they exis	t)? (CoGP – 4.4	1.37, 5.4	.17)	
·	ported to the SSPO and lo	•				5.4.17)
7. Were methods (if an	y) used to recover escap	ees? If yes give detail				
8 If all nets were deal	oyed was this action agre	ed with local wild fish	interests and wa	as nerm	ission given by Scot	tish
Ministers? (Legal, CoG		Ja mai local wild list!	torooto and we	ao ponin		
9. What action was tak	en to prevent and minimi	se the risk of further e	scapes? (Not co	overed in	n code but could	
be considered unde	r satisfactory measures	s of the Act)				
10. Is the site inspecte	d as satisfactory with rega	ards to containment?	If no, please det	tail reaso	on(s)	Y

Issued by: FHI

Date of issue: 12/09/2017

FHI 059, Version 11

Case No:	2018-0103			Date of visit: 27/03/2018							
Site No:	FS0403	l		Inspector:	DCB	l					
Results Summary	Freq.			Da	te of Notifica	tion					
·	·	Database	Insp		Insp	Writing	Insp	2 nd Insp			
					-						
Report Summary											
Case Type ECI, CNI	Date	Insp	2 nd Insp SAE								
ECI, CNI	03/05/2018	DCB	SAE								
	-										





Meavag Fish Farming Seafield Isle of Scalpay Harris Western Isles HS4 3XZ

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

Business No FB0449 SITE NO FS0403 **INSPECTOR** David Bradley **DATE OF VISIT 27/03/2018** SITE NAME Meavag Hatchery

CASE NO 20180103

Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

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

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

Records

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

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

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

Mortality records were inspected and found to be adequately maintained.

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

R04

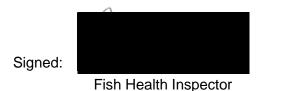
The biosecurity measures plan for the site was inspected and found to be adequately maintained and implemented.

Inspection under the Aquaculture and Fisheries (Scotland) Act 2007

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

On this occasion the site was found to be satisfactory.

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



The Fish Health Inspectorate Service Charter detailing standards of service is available on the Marine Scotland website at www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter

Date: 03/05/18

FHI 059, Version 11		Issued by: FHI		Date of issue: 12/09/2017
Case No: 2018-0104			Date of	visit: 27/03/2018
Time spent on site:	3 hours	Mair	n Inspector:	DCB
Site No: FS1118 Business No: FB0169	Site Name: Business Name:	Trilleachan Mor The Scottish Salmon	Company	
Case Types: 1 ECI	2 CNI 3 SLI	4 VMD 5	6	
Water Temp (°C): 6.9	Thermometer No:	Site	FHI 04	5 completed
Observations:	Region: WI	Water type:	G CoG	SP MA: W-6
Dead/weak/abnormally behavir Clinical signs of disease observ Gross pathology observed? Diagnostic samples taken?	•	N If yes, see additi	onal information/cl	linical score sheet. linical score sheet. linical score sheet.
UNI/REG only - if unable to car	ry out intended visit detai	l reason below:		

Additional Case Information:

Planning to increase the footprint of the farm. 2300 tonnes with 8 120m cages. All planning and consents have gone through. Looking to increase stock by January-March 2019

Mortality event reported on the 22/01/2018 - Post treatment losses. WK3, slightly higher mortality due to Thermolicer treatment (below 1%). Thermolicing this week, 3rd of the year

Company vet checking to make sure fish were suitable for thermolicer

Emergency harvest plan in place

Traffic light system in place for sea lice control - refers to sops SSC/bio/ref - green/amber/red

Lumpfish Mortality = 1-2 per week.

FHI 059, Version 11			Issu	ed by: FHI			Date of issu	e: 12/09/2017
Case No:	2018-0104		Site No:	FS1118				
Date of Visit:		27/03/2018]		Inspector(s):	DCB]
1. Business/site deta	ails summary		ite representa	ative?			Y Y	}
Site Details								
Total No facilities		12	Facilities sto	cked	8	No facilitie	s inspected	12
Species	SAL	LUM						
Age group	17 S1	1 Year						
No Fish	184,761	3,105						
Mean Fish Wt	5.146 Kg	35g						
	ite)	End of April		Next Input Da	ate (Site)	Spring 201	19	
,	,			<u> </u>	1			
Recent (last 4 wks)	disease prob	lems?		N	Any escapes	(since last	visit)?	N
If yes, detail:								
Movement Records	S							
Movement record	s available fo	or inspection?						Y
		.,					02/11/2016	
· ·		ectly entered?	•					Y
· ·		•						Y
5. Are records comp	lete and corr	ectly entered?	•					Y
6. Are health certification	ates for intro	ductions (outw	rith GB) availa	able?				N/A
Transport Records								
Case No: 2018-0104 Site No: FS1118 Date of Visit: 27/03/2018 Inspector(s): DCB Registration/Authorisation Details 1. Business/site details summary checked by site representative? 2. Changes made to details? Site Details Total No facilities Species SAL LUM SAL LUM SPECIES SAL LUM SPECIES SPECIES SAL LUM SPECIES SPECIES SAL LUM SPECIES SPECIES SAL SPECIES SPECIES SAL SPECIES SAL SPECIES SPECIES SAL SPECIES SPECIES SPECIES SPECIES SPECIES SAL SPECIES SPEC				N				
Case No: 2018-0104 Site No: FS1118 Date of Visit: 27/03/2018 Inspector(s): DCB Registration/Authorisation Details 1. Business/site details summary checked by site representative? 2. Changes made to details? Site Details Total No facilities Species SAL LUM 17 S1 1 Year Age group 17 S1 1 Year No Fish 184./761 3,105 Mean Fish Wt 5.146 Kg 35g Next Fallow Date (Site) End of April Next Input Date (Site) Spring 2019 Recent (last 4 wks) disease problems? No woment 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. Mortality records available for inspection? 2. How are mortalities disposed of? Whole fish - Dundas Chemicals for increased/atypical mortalities? If yes, facility nos/no mortality per facility/re stock per facility/reason:								
Mortality Records								
1. Mortality records a	available for i	nspection?						Y
2. How are mortalities	es disposed o	of?			Whole fish -	Dundas Che	emicals	
If other detail:								
3. Mortality records of	complete and	correctly ente						Y
4. Recent mortality (last 4 wks):		wk 9 - 10 - 1	7 pc pw w10 1	8 - 28 pcpw w	k11 28-105	pcpw wk 12	8-11 pcpw
• `	,	atypical mortal	ities?					N
		• •		/reason:				
	, ,	•	, ,					
	n mortality du	ıring period ch	ecked?					Y
	unexplained)	mortalities be	en reported to	vet or FHI?				N/A
			2.16	DT		Pro .	1	
8. Have 'mortality ev	ents' been re	ported to FHI	! If no, add M	KI case and	enter on morta	ality events s	sheet.	Y

FHI 059, Version 11	Issued by: FHI	Date of issue: 12/09/2017
Treatments and Medicines Records		
1 December treatments (lest 4 w/s)2		· ·

Treatments and Medicines Records	
1. Recent treatments (last 4 wks)?	Y
If yes, detail: T.M.S	
If other, detail:	
2. Medicines records available for inspection?	Y
3. Are records complete and correctly entered?	Y
4. Are fish in a withdrawal period?	Y
5. If yes, what treatment(s)? T.M.S.	
If other, detail:	
6. Are medicines stored appropriately?	Y
Biosecurity Records	
Biosecurity records available for inspection?	Y
2. Has the manner and frequency of mortality removal, recording and safe disposal been considered?	Y
3. Has the manner and period in which the APB will notify Scottish Ministers or veterinary professional of any	
increased (unexplained) mortality at the site been included?	Y
4. Has the action that will be taken in the event that the presence or suspicion of the presence of a listed disease is detected been included and <i>how</i> and <i>when</i> that will be notified to Scottish Ministers?	Y
5. Has the health status of aquaculture animals being stocked on the farm site been covered (equal or higher health status, certification if required)?	Y
6. Have the husbandry and biosecurity measures implemented between each epidemiological unit to minimise transmission of disease been covered (movement of staff, visitors, equipment, live or dead fish etc.)?	Y
7. Is documentation available regarding the measures in place to maintain the physical containment of aquaculture animals held on site?	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?	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).	

23/08/17 - 27/03/18 Records checked between:

1111000	, version in							153	sueu by. I				
Case	no:	2018-01	04	Site No:		FS1118			Date of Samplin		27/0	03/2018	27/0
Prior	ity samples:	VI		ВА		PA		MG		g. HI			
	sampling s/ends:	16:0	0:00	17:0	0:00		Inspecto	or:	DCB		VMD No	o.	10
Envir	conmental conditions:	1	Indoors	2		3		4		5			
Sumi	mary samples	HIST		ВА		MG		VI		PA		Total Sa	amples
Add Fis	sh/Pools - click												
Pool/	Fish No												
Fish	nos	F1											
Pool	Group												
Spec	ies	SAL											
Avera	age weight	5.1400											
Sex		N/A											
Wate	er Type	SW											
Details		Loch Seaforth FS1042											
	(Origin	och S1(
	k Origin ity No	7 7											

1 1 11 055, Versio	,,,,,,						133	ueu by.		
03/2018 Additio	nal Sam	ple Infor	mation:							
0	Total T	ests ass	igned	0	1					

FHI 059, Version 11		Issued by: FHI			Date	of issue	: 12/09/2017		
Case Number:	2018-0104		Site No:	FS1118		Insp:	DCB		
Date of Visit	27/03/2018		No of m	ovements/s	supp./dest.		Score		
Live fish movements			0	1-5	6-10	>10			
Movements on (from out	Frequency of m	novements on from equivalent MS	0	5	10	14	0		
with GB) of susceptible species		novements on from equivalent zone or	0	9	18	26			
	Number of sup	ocluding third country	0			14			
NA							10		
Movements off	Frequency of m		0			10	10		
Exposure via water	Trambol of door	Site contacts							
Water contacts with other		ed (secure water supply through							
farms (holding species susceptible to same	disinfection or l	•	0						
diseases)		or in a coastal zone with category In or within 1 tidal excursion	1	2	4		2		
	Farm is on-line	or in a coastal zone with category III							
		or within 1 tidal excursion	1	3	6				
		or in a coastal zone with category V or within 1 tidal excursion	1	4	8				
	1								
Management practices Water contacts with	I Any proposing	plant discharging into adiacont waters	None	Secure	Unsecure				
processors	Any processing	plant discharging into adjacent waters	0	1	2		0		
On farm processing within the rules of the directive	No on farm pro	cessing	0				0		
	Processing own	n fish (re-cycling risk)	1	İ					
	Processing fish	from MS of equivalent status	2						
	Processing fish equivalent statu	from zone or compartment of	4						
	-	from Category III farm	8	1					
	Processing fish	from Category V farm	10						
Disposal of fish and fish by-	Site's own was	te only processed.	0	i I			0		
products	Common proce	esses with other farms	3						
	Collection poin	for waste from other farms	5						
Use of unpasteurised feeds	No feeding of u	npasteurised feed	0	1			0		
γ	Feeding unpas	•	5						
Biosecurity		Number of sites	1	2 or 3	≥ 4				
Contacts with other sites	Sites operating	from single shorebase	0	1	2		0		
	Sites sharing s	taff and equipment	0	1	2				
Disinfection of equipment	Yes		0				0		
between sites, use of footbaths etc	No		1						
CoGP/Regulator				•					
Practices in accordance	Yes		0				0		
with regulator or industry code of practice	No		3						
Platform access to cages	Yes			1					
i lationii access to cayes	No		2				0		
	140			J					
					Total		15		
					Rank		LOW		

FHI 059, Version 11		Issued	Date of iss	Date of issue: 12/09/2		
Case No:	2018-0104		Site No:	FS1118		
Sea Lice Inspection (S 1. Has the site experien	• •	in the previous 4 years	s?		N	
2. Is the CoGP Farm Ma	·			vear class basis?	Y	
3. Does the site have ac	ccess to a range of lice mectin benzoate) as v n a reasonable period	enced in-feed and bath well as access to suital of time?	sea lice medications (ir ole biological and/or me	ncluding deltamethrin, chanical control measures, and	Y	
Management Area (or e			22.4		\	
5. Are sea lice count red	•		·	'	Y	
6. Do records adequate	ly reflect the required s	standard specified in tr	ie 55i and the CoGP? (Legal SSI, CoGP Annex 6)	Y	
7. Are sea lice (<i>L. salmo</i> records are inspected?		ow the suggested crite	ria for treatment in the C	CoGP during the period that	N	
records are inspected?	·	·		above during the period that	Υ	
If yes, have these been	•	·			Y	
9. Is <i>C. elongatus</i> infest	tation at a level which	s considered to cause	significant welfare prob	olems? (CoGP 4.3.81, 5.3.50)	N	
				s levels have exceeded the ations? (CoGP 4.3.82, 5.3.51)	N	
11. Has any other action	n been taken (where a	oplicable)?			Υ	
12. Have therapeutic tre	atments or the actions	taken had a significar	nt impact upon the lice l	evels recorded?	Υ	
13. Are treatments, whe	re conducted, carried	out in cooperation bety	veen participating farms	s?	Υ	
sea lice?	-			e held without treatment for	Υ	
15. Is there a site specif scenarios during the esc			aypoints describing set	actions to deal with recognised	Y	
16. Does the stock on s reasons.	ite appear satisfactory	in relation to sea lice I	evel and sea lice count	data? If no please detail	Υ	
Containment Inspection					N	
1. Has the site experien					N	
2. Are measures in plac A.D.D., M.M.L., Seal I	8 8	ne predation experienc	ed on site? (Detail belo	w)	Υ	
If other, detail below:	Sillius					
ii otilei, detail below.						
 Have escape incider If Yes proceed with quest Have these been representations 	stions 4 – 9. If No skip	to question 10	cinity of the site since t	he last FHI inspection?	N	
5. Have these been repo	orted to local DSFB fo	thwith (where they exi	st)? (CoGP - 4.4.37, 5.	4.17)		
6. Have these been repo	orted to the SSPO and	local fisheries trusts for	orthwith (where they exi	st)? (CoGP – 4.4.37, 5.4.17)		
7. Were methods (if any	y) used to recover esca	apees? If yes give deta	il			
		reed with local wild fish	n interests and was perr	mission given by Scottish		
Ministers? (Legal, CoGF			6.01			
9. What action was take			escapes? (Not covered	in code but could		
be considered under 10. Is the site inspected	•	•	If no, please detail rea	son(s)	Υ	
.o. io tilo olio mopeoteu	as satisfactory with re	gardo to contaminent:	no, ploade detail rea	(v)		

Date of issue: 12/09/2017

FHI 059, Version 11	Issued by: FHI	Date of issue: 12/09/2017
Case No: 2018-0104	Site No: FS1118	
Date of Visit: 27/03/2018	Inspector: DCB	
Point of Compliance		
1. Is the farm under inspection located v	_	Υ
If N, no further questions require comple	etion.	
Points of Compliance for Both Farm	Management Agreements and Statements	
3. Is the current FMAg/S available for in4. Does the FMAg/S identify the relevan5. Does the FMAg/S identify the fish farr	It farm management area? In site(s) to which it applies? It commencement of the agreement or statement	Y Y Y
Arrangements for Fish Health Manag	ement	
farm? 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? 12. Does the FMAg/S identify the arrang fish farm in the area or the individual fa		or farm? Y or farm? Y n the area or the
Arrangements for The Management of	of Sea Lice	
13. Does the FMAg/S identify arrangem	ents for the sharing of data on sea lice numbe	ers and treatments?
14. Does the FMAg/S identify the availal of statement?	bility and the use of medicines on farms cover	
15. Does the FMAg/S identify any requir lice on farms in the area or individual far	rements for the sensitivity testing of available to	reatments for sea Y
	nstances under which biological controls and c	cleaner fish are to be Y
	gements for synchronous treatments on farms	within the area?
Live Fish Movements		
area or farm?	nstances when live fish may be introduced or r	

FHI 059, Version 11	Issued by: FHI	Date of issue: 12/09/2017
Harvesting		
20. Does the FMAg/S identify acceptable	le harvest practices on farms in the area or individ	dual farms?
Fallowing		
21. Does the FMAg/S identify the dates date when a farm or area may be restoo	by which the area or individual farm will be fallow cked?	and the earliest Y
22. Does the FMAg/S identify whether cagreement or statement?	one or more year classes may be stocked onto sit	tes covered by the Y
_	proodstock or potential broodstock are to be kept ??	on any site Y
Point of Compliance for Farm Manag	ement Agreements Only	
24. Does the farm management agreen parties to the agreement?	nent include arrangements for persons to become	e, or cease to be,
Management and operation		
25. Is the fish farm being managed and	operated in accordance with the agreement or st	tatement?
26. What is the version no/date of issue	e of the FMAg/S? 17/05/2017	

Case No:	2018-0104]		Date of visit:	27/03/2018							
Site No:	FS1118 Inspector: DCB											
Results Summary	Freq.		Date of Notification									
,	· ·	Database	Insp	Phone	Insp	Writing	Insp	2 nd Insp				
	_	_										
Report Summary												
Case Type ECI, CNI, SLI, VMD	Date	Insp	2 nd Insp									
ECI, CNI, SLI, VMD	09/04/2018	DCB	ALW									





The Scottish Salmon Company
1 Smithy Lane
Lochgilphead
Argyll
PA31 8TA

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

Business NoFB0169Date of Visit27/03/2018Site NoFS1118Site NameTrilleachan MorInspectorDavid BradleyCase No20180104

Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

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

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 Scotland were not 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 2013

Medicine records were inspected and found to be adequately maintained.

Samples were taken to be analysed for veterinary residues.

Inspection under the Aquaculture and Fisheries (Scotland) Act 2007

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

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

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

Signed:

Fish Health Inspector

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Marine Scotland website at www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter

Date: 09/04/18

FHI 059, Version 11		Issued by: FHI	Date of issue: 12/09/2017							
Case No: 2018-0105			Date of visit: 28/03/2018							
Time spent on site:	4 Hours	Main I	nspector: DCB							
Site No: FS1263	Site Name:	Raineach								
Business No: FB0119	Business Name:	Marine Harvest (Scotla	nd) Ltd							
Case Types: 1 ECI	2 CNI 3 SLI	4 VMD 5	6							
Water Temp (°C): 6.7	Thermometer No:	Site	FHI 045 completed							
Observations:	Region: WI	Water type: S	CoGP MA: W-8							
Dead/weak/abnormally behavir	ng fish present?	N If yes, see addition	nal information/clinical score sheet.							
Clinical signs of disease observ	ved?		nal information/clinical score sheet.							
Gross pathology observed?		N If yes, see addition	nal information/clinical score sheet.							
Diagnostic samples taken?		N								
UNI/REG only - if unable to car	INI/REG only - if unable to carry out intended visit detail reason below:									

Additional Case Information:

Treatment between 90-100% clearance

Lice numbers max 0.48 during period checked, 0.03 after treatment

VMD fish looked healthy inside.

 $Lump fish\ mortality \sim 400\ since\ input\ on\ the\ 23-28/02/2018\ -\ attributed\ to\ input\ losses\ and\ treatment\ losses.$

Cages 1, 2, 4, from Glenfinnan and the rest from Loch Gary.

FHI 059, Version 11			Issu	ued by: FHI			Date of issu	e: 12/09/2017
Case No:	2018-0105]	Site No:	FS1263	3			
Date of Visit:		28/03/2018	3		Inspector(s)	: DCB]
Registration/Autho 1. Business/site deta 2. Changes made to	ails summary		site representa	ative?			Y N	}
Site Details								
Total No facilities		8	Facilities sto	ocked	5	No facilitie	s inspected	8
Species	SAL	LUM		T				
Age group	Q4 17	<6						
No Fish	350,816	26,718						
Mean Fish Wt	1.384 Kg	35G						
Next Fallow Date (Si	ite)	Spring 2019		Next Input Da	ate (Site)	Autumn 20	019	
December (Institute Institute Instit	P	10				. /-! 1(:-:00	N
Recent (last 4 wks) of lf yes, detail:	disease prob	lems?		IN IN	Any escapes	s (since last	visit)'?	N
·								
Movement Records								
1. Movement records		or inspection?						Y
2. Date of last inspec							04/10/2016	· V
3. Are records comp		*						Y
4. Are movement red								
5. Are records comp6. Are health certification		*		able?				N/A
		addions (odtw	vitii Obj avalie	able:				14/74
Transport Records								
1. Are any movemen	nts carried ou	ut by (or on be	half) of the bu	usiness (not us	ing a STB)?			N
If yes, is there a syst	em in place f	for maintenan	ice of transpo	rtation records	?			
Mortality Records								
4. Mantalitus na sanda s								V
1. Mortality records a		•			Enailed as	oito.		1
2. How are mortalities of their detail:	s alsposea d)I ?			Ensiled - on	Site		
3. Mortality records of	complete and	correctly enter	ered?					Y
				VK10 520, WK	11 148, WK12	2 294 across	the site. Unif	form
4. Recent mortality (lact 1 wke).		numbers acc	orss cages, ho	wever in wk 1			
, ,	•	aturaisal marta		in other cages.				N
5. Evidence of recently 15. Evidence of recent		• •		//reason:				11
ii yes, lacility 1103/110	mortality per	Tacility/110 Sto	ok per facility	/16a3011.				
6. Any other peaks in	n mortality du	uring period ch	necked?					N
If yes, detail:								
7. Have increased (d	ınexplained)	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, add M	IRT case and e	enter on morta	ality events s	sheet.	N/A

FHI 059, Version 11	Issued by: FHI	Date of issue: 12/09/2017
Treatments and Medicines Records		
1 Recent treatments (last 4 wks)?		Υ

Treatments and Medicines Records	
1. Recent treatments (last 4 wks)?	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	
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	Y
is detected been included and <i>how</i> and <i>when</i> that will be notified to Scottish Ministers?	Y
5. Has the health status of aquaculture animals being stocked on the farm site been covered (equal or higher health status, certification if required)?	1
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 aquaculture animals held on site?	Y
8. Have the biosecurity procedures been adequately implemented on site?	Y
If no, detail:	
Results of Surveillance	
Has any animal health surveillance been carried out by, or on behalf of, the business?	Y
2. If yes, are results available for inspection?	N
3. Any significant results? If yes, detail (if not detailed under recent disease problems).	IN
ii yes, detaii (ii not detailed diidei recent disease problems).	

Records checked between: 27/02/2018

ii 059, version i i							155	ueu by. F	111			
Case no:	2018-01	05	Site No:		FS1263					28/0	03/2018	28/0
Priority samples:	VI		ВА		РА		MG	Sampling	ı. HI			
Time sampling starts/ends:	16:0	0:00	18:0	0:00		Inspecto	or:	DCB		VMD No).	26
Environmental conditions:	1	Indoors	2		3		4		5			
Summary samples	HIST		ВА		MG		VI	F	PA		Total Sa	mples
ld Fish/Pools - click												
Pool/Fish No												
	F1	F2	F3	F4	F5	F6						
		1 2	10		10	10						
•	SAI	SAI	SAI	SAI	SAI	SAI						
•												
Sex	N/A	N/A	N/A			N/A						
Water Type	SW	SW	SW	SW	SW	SW						
	>	>	>	>	>	>						
	iarr	iarr	arr	arr	iarr	iarr						
	ЬG	h G	h G	hG	h G	ЬG						
Stock Origin	-0C	-oc	-0C	-oc	00-	00						
Facility No	_	1		1								
	Case no: Priority samples: Time sampling starts/ends: Environmental conditions: Summary samples Id Fish/Pools - click Pool/Fish No Fish nos Pool Group Species Average weight Sex Water Type Stock Origin	Case no: Priority samples: VI Time sampling 16:0 starts/ends: Environmental conditions: 1 Summary samples HIST Id Fish/Pools - click Pool/Fish No Fish nos F1 Pool Group Species SAL Average weight 1.3840 Sex N/A Water Type SW Stock Origin	Case no: Priority samples: VI Time sampling starts/ends: Environmental conditions: Summary samples HIST Indoors Summary samples HIST Ad Fish/Pools - click Pool/Fish No Fish nos F1 F2 Pool Group Species SAL Average weight 1.3840 Sex N/A Water Type Stock Origin Stock Origin	Case no: 2018-0105 Site No: Priority samples: VI BA Time sampling starts/ends: 16:00:00 18:0 Environmental conditions: 1 Indoors 2 Summary samples HIST BA Indoors 2 Summary samples HIST BA Indoors 2 Summary samples F1 F2 F3 Pool/Fish No F1 F2 F3 Pool Group SAL SAL SAL Average weight 1.3840 1.3840 1.3840 Sex N/A N/A N/A Water Type SW SW SW Stock Origin Stock Origin Stock Origin Site No:	Case no: 2018-0105 Site No: Priority samples: VI BA Time sampling starts/ends: 16:00:00 18:00:00 Environmental conditions: 1 Indoors 2 Summary samples HIST BA Id Fish/Pools - click BA BA Pool/Fish No F1 F2 F3 F4 Pool Group SAL SW SW <td>Case no: 2018-0105 Site No: FS1263 Priority samples: VI BA PA Time sampling starts/ends: 16:00:00 18:00:00 3 Environmental conditions: 1 Indoors 2 3 Summary samples HIST BA MG Id Fish/Pools - click BA MG MG Id Fish/Pools - click F1 F2 F3 F4 F5 Pool/Fish No F1 F2 F3 F4 F5 Pool Group SAL SW SW</td> <td>Case no: 2018-0105 Site No: FS1263 Priority samples: VI BA PA Time sampling starts/ends: 16:00:00 18:00:00 Inspector Environmental conditions: 1 Indoors 2 3 Summary samples HIST BA MG Idd Fish/Pools - click Pool/Fish No F1 F2 F3 F4 F5 F6 Pool Group F0 F0 F0 F0 F0 F0 Species SAL N/A <</td> <td>Case no: 2018-0105 Site No: FS1263 Priority samples: VI BA PA MG Time sampling starts/ends: 16:00:00 18:00:00 Inspector: Inspector:</td> <td>Case no: 2018-0105 Site No: FS1263 Date of v Sampling Priority samples: VI BA PA MG Time sampling starts/ends: 16:00:00 18:00:00 Inspector: DCB Summary samples HIST BA MG VI F Summary samples HIST BA MG VI F Ind Fish/Pools - click F<td> Case no: 2018-0105 Site No: FS1263 Date of visit/ Sampling: Priority samples: VI</td><td>Case no: 2018-0105 Site No: FS1263 Date of visit/ Sampling: 287/ Sampling: Priority samples: VI BA PA MG HI Time sampling starts/ends: 16:00:00 18:00:00 Inspector: DCB VMD Not starts/ends: Environmental conditions: 1 Indoors 2 3 4 5 Summary samples HIST BA MG VI PA Id Fish/Pools - click Pool/Fish No F1 F2 F3 F4 F5 F6 Pool Group Sale SAL SAL</td><td>Case no: 2018-0105 Site No: FS1263 Date of visit/ Sampling: 28/03/2018 Priority samples: VI BA PA MG HI Time sampling starts/ends: 16:00:00 18:00:00 Inspector: DCB VMD No. Summary samples: 1 Indoors 2 3 4 5 Summary samples: HIST BA MG VI PA Total Sa Id Fish/Pools - click Pool/Fish No F1 F2 F3 F4 F5 F6 Pool Group Pool Group</td></td>	Case no: 2018-0105 Site No: FS1263 Priority samples: VI BA PA Time sampling starts/ends: 16:00:00 18:00:00 3 Environmental conditions: 1 Indoors 2 3 Summary samples HIST BA MG Id Fish/Pools - click BA MG MG Id Fish/Pools - click F1 F2 F3 F4 F5 Pool/Fish No F1 F2 F3 F4 F5 Pool Group SAL SW SW	Case no: 2018-0105 Site No: FS1263 Priority samples: VI BA PA Time sampling starts/ends: 16:00:00 18:00:00 Inspector Environmental conditions: 1 Indoors 2 3 Summary samples HIST BA MG Idd Fish/Pools - click Pool/Fish No F1 F2 F3 F4 F5 F6 Pool Group F0 F0 F0 F0 F0 F0 Species SAL N/A <	Case no: 2018-0105 Site No: FS1263 Priority samples: VI BA PA MG Time sampling starts/ends: 16:00:00 18:00:00 Inspector: Inspector:	Case no: 2018-0105 Site No: FS1263 Date of v Sampling Priority samples: VI BA PA MG Time sampling starts/ends: 16:00:00 18:00:00 Inspector: DCB Summary samples HIST BA MG VI F Summary samples HIST BA MG VI F Ind Fish/Pools - click F <td> Case no: 2018-0105 Site No: FS1263 Date of visit/ Sampling: Priority samples: VI</td> <td>Case no: 2018-0105 Site No: FS1263 Date of visit/ Sampling: 287/ Sampling: Priority samples: VI BA PA MG HI Time sampling starts/ends: 16:00:00 18:00:00 Inspector: DCB VMD Not starts/ends: Environmental conditions: 1 Indoors 2 3 4 5 Summary samples HIST BA MG VI PA Id Fish/Pools - click Pool/Fish No F1 F2 F3 F4 F5 F6 Pool Group Sale SAL SAL</td> <td>Case no: 2018-0105 Site No: FS1263 Date of visit/ Sampling: 28/03/2018 Priority samples: VI BA PA MG HI Time sampling starts/ends: 16:00:00 18:00:00 Inspector: DCB VMD No. Summary samples: 1 Indoors 2 3 4 5 Summary samples: HIST BA MG VI PA Total Sa Id Fish/Pools - click Pool/Fish No F1 F2 F3 F4 F5 F6 Pool Group Pool Group</td>	Case no: 2018-0105 Site No: FS1263 Date of visit/ Sampling: Priority samples: VI	Case no: 2018-0105 Site No: FS1263 Date of visit/ Sampling: 287/ Sampling: Priority samples: VI BA PA MG HI Time sampling starts/ends: 16:00:00 18:00:00 Inspector: DCB VMD Not starts/ends: Environmental conditions: 1 Indoors 2 3 4 5 Summary samples HIST BA MG VI PA Id Fish/Pools - click Pool/Fish No F1 F2 F3 F4 F5 F6 Pool Group Sale SAL SAL	Case no: 2018-0105 Site No: FS1263 Date of visit/ Sampling: 28/03/2018 Priority samples: VI BA PA MG HI Time sampling starts/ends: 16:00:00 18:00:00 Inspector: DCB VMD No. Summary samples: 1 Indoors 2 3 4 5 Summary samples: HIST BA MG VI PA Total Sa Id Fish/Pools - click Pool/Fish No F1 F2 F3 F4 F5 F6 Pool Group Pool Group

03/2018	Addition	nal Sam	ple Infor	mation:						
0]	Total To	ests ass	igned	0					

FHI 059, Version 11		Issued by: FHI			Date of issue			
Case Number:	2018-0105		Site No:	FS1263		Insp:	DCB	
Date of Visit	28/03/2018		No of m	ovements/s	supp./dest.		Score	
Live fish movements			0	1-5	6-10	>10		
Movements on (from out	Frequency of m	novements on from equivalent MS	0	5	10	14	0	
with GB) of susceptible species		novements on from equivalent zone or	0	9	18	26		
	Number of sup	ncluding third country	0			14		
Mayana anto aff			0			10	10	
Movements off	Frequency of m		0			10	3	
Exposure via water	rtamber er dee	Site contacts	0					
Water contacts with other		ed (secure water supply through						
farms (holding species	disinfection or b	•	0					
susceptible to same diseases)		or in a coastal zone with category In or within 1 tidal excursion	1	2	4		2	
		or in a coastal zone with category III						
		or within 1 tidal excursion	1	3	6			
		or in a coastal zone with category V or within 1 tidal excursion	1	4	8			
	ra apatroa			<u> </u>				
Management practices Water contacts with	IA ny nroposina	a plant discharging into adiacont waters	None	Secure	Unsecure			
processors	Any processing	plant discharging into adjacent waters	0	1	2		0	
On farm processing within the rules of the directive	No on farm pro	cessing	0				0	
and raise of the amount	Processing own	n fish (re-cycling risk)	1					
	Processing fish	from MS of equivalent status	2					
	Processing fish equivalent statu	from zone or compartment of	4					
		from Category III farm	8					
		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	
		t for waste from other farms	5	-				
Use of unpasteurised feeds	No feeding of u	inpasteurised feed	0	ן 1				
Ose of unpasteurised reeds	Feeding unpas	•	5					
Biosecurity	i coamig ampaio	Number of sites] 2 or 3	≥ 4			
Contacts with other sites	Sites operating	from single shorebase	0		2		1	
	Sites sharing s	taff and equipment	0		2		1	
Disinfection of equipment	Yes		0	i			0	
between sites, use of footbaths etc	No		1					
CoGP/Regulator				•				
Practices in accordance	Yes		l 0	1			0	
with regulator or industry code of practice	No		3	1				
odd of practice				J				
Platform access to cages	Yes		0				0	
	No		2					
					Total		20	
					Rank		MEDIUM	

Case No:	2018-0105		Site No:	FS1263	
Sea Lice Inspection (Seawater Sites Only)				
• •	~ *	s in the previous 4 years?			Υ
2. Is the CoGP Farm M	lanagement Area (or e	quivalent) fallowed synchronous	sly on a single ye	ear class basis?	Υ
azamethiphos and ema can these be deployed	amectin benzoate) as in a reasonable period cumented farm manag	enced in-feed and bath sea lice well as access to suitable biolog d of time? ement agreement or statement r	ical and/or mech	nanical control measures, ar	Y
,	•	pection? (Legal SSI, CoGP Anne	ev 6)		Y
		standard specified in the SSI an		egal SSI_CoGP Annex 6)	Y
		·	·		
records are inspected?	(CoGP Annex 6)	low the suggested criteria for trea			Y
8. Have average adult frecords are inspected?		<i>moni</i> s) numbers per fish been at	t a level of 3 or a	bove during the period that	N
If yes, have these been	reported to the Fish H	Health Inspectorate? If no, FHI se	ee comment.		N/A
9. Is <i>C. elongatus</i> infes	station at a level which	is considered to cause significant	nt welfare proble	ems? (CoGP 4.3.81, 5.3.50)	N
		stered or other actions taken whelongatus is considered to have			N/A
11. Has any other actio	on been taken (where a	applicable)?			N/A
12. Have therapeutic tr	eatments or the action	s taken had a significant impact	upon the lice lev	vels recorded?	Υ
		out in cooperation between part where fewer populations or part	· ·		Y Y
15. Is there a site speci- scenarios during the es	~	ement procedure with waypoints nfestation?	describing set a	ctions to deal with recognise	ed Y
16. Does the stock on steasons.	site appear satisfactory	y in relation to sea lice level and	sea lice count da	ata? If no please detail	Υ
Containment Inspecti	on				
•		ge due to predators in the curren	nt or previous pro	oduction cycles?	N
2. Are measures in plac	ce to mitigate against t	the predation experienced on site	e? (Detail below)		Υ
A.D.D., M.M.L., Pred	ator Nets (below), S	eal Blinds, Tensioned Nets, T	op Nets		
If other, detail below:					
					The second second
•	•	perienced on or in the vicinity of t	the site since the	e last FHI inspection?	N
f Yes proceed with que 4. Have these been rep		•			
5. Have these been rep	oorted to local DSFB fo	orthwith (where they exist)? (CoG	SP - 4.4.37, 5.4.	.17)	
6. Have these been rep	oorted to the SSPO and	d local fisheries trusts forthwith (where they exist)? (CoGP – 4.4.37, 5.4.17)	
7. Were methods (if an	y) used to recover esc	capees? If yes give detail			
8. If aill nets were denic	oved was this action a	greed with local wild fish interest:	s and was nermi	ssion given by Scottish	
Ministers? (Legal, CoG		g. 1 - 2 ········ 130ar ······a riori intorodi	- and Had pointing	g. on by coothon	
9. What action was tak	en to prevent and mini	imise the risk of further escapes?	? (Not covered in	code but could	
be considered under	•				
10. Is the site inspected	d as satisfactory with re	egards to containment? If no, ple	ease detail reasc	on(s)	Υ

Issued by: FHI

FHI 059, Version 11

Date of issue: 12/09/2017

FHI 059, Version 11	Issued by: FHI	Date of issue: 12/09/2017
Case No: 2018-0105	Site No: FS1263	
Date of Visit: 28/03/2018	Inspector: DCB	
Point of Compliance		
1. Is the farm under inspection located value of the state of the stat	<u> </u>	Y
	Management Agreements and Statements	
3. Is the current FMAg/S available for in4. Does the FMAg/S identify the relevan5. Does the FMAg/S identify the fish fan	nt farm management area? m site(s) to which it applies? commencement of the agreement or statement	Y Y Y
Arrangements for Fish Health Manag	ement	
farm? 9. Does the FMAg/S identify the vaccina 10. Does the FMAg/S identify the specie 11. Does the FMAg/S identify the maxin individual farm?	ation requirements for stocks held in the area are of fish which may be stocked into the area of num stocking density of any pen on any farm in gements for the storage and disposal of any darm?	or farm? or farm? Y in the area or the
Arrangements for The Management of	of Sea Lice	
13. Does the FMAg/S identify arrangem	ents for the sharing of data on sea lice number	ers and treatments?
of statement? 15. Does the FMAg/S identify any require on farms in the area or individual fa 16. Does the FMAg/S identify the circumused on farms in the area or individual fa	nstances under which biological controls and	treatments for sea Y cleaner fish are to be
Live Fish Movements		
area or farm?	nstances when live fish may be introduced or gements for the movement of live fish on and	

FHI 059, Version 11	Issued by: FHI	Date of issue: 12/09/2017
Harvesting		
20. Does the FMAg/S identify accept	able harvest practices on farms in the area or individ	dual farms?
Fallowing		
21. Does the FMAg/S identify the dat date when a farm or area may be res	tes by which the area or individual farm will be fallow stocked?	v and the earliest
22. Does the FMAg/S identify whether agreement or statement?	er one or more year classes may be stocked onto sit	tes covered by the Y
_	er broodstock or potential broodstock are to be kept ent?	on any site Y
Point of Compliance for Farm Man	agement Agreements Only	
24. Does the farm management agre parties to the agreement?	eement include arrangements for persons to become	e, or cease to be,
Management and operation		
25. Is the fish farm being managed a	and operated in accordance with the agreement or st	tatement?
26. What is the version no/date of iss	sue of the FMAg/S? 27/09/2017	

Case No:	2018-0105			Date of visit	: 28/03/2018	3		
Site No:	FS1263	1	Inspector: DCB					
		•						
Results Summary	Freq.	Date of Notification						
		Database	Insp	Phone	Insp	Writing	Insp	2 nd Insp
			1					
	+				+	+		
	+		 		1			
	+							
	1				1			
D	_	•		-				
Report Summary			nd	4				
Case Type ECI,CNI,SLI,VMD	Date	Insp	2 nd Insp					
ECI,CNI,SLI,VMD	09/04/2018	DCB	ALW					
				4				
				-				
				-				
				4				
				-				
	+		+					
	+		+					





Marine Harvest (Scotland) Ltd Stob Ban House Glen Nevis Business Park Fort William PH33 6RX

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

Business NoFB0119Date of Visit28/03/2018Site NoFS1263Site NameRaineachInspectorDavid BradleyCase No20180105

Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

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

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

Records

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

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

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

Mortality records were inspected and found to be adequately maintained.

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

Reports detailing the results of animal health surveillance carried out by or on behalf of the business and/or Marine Scotland were not 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 2013

Medicine records were inspected and found to be adequately maintained.

Samples were taken to be analysed for veterinary residues.

Inspection under the Aquaculture and Fisheries (Scotland) Act 2007

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

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

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

Signed:

Fish Health Inspector

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Marine Scotland website at www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter

Date: 09/04/18

FHI 059, Version 11		Issued by: FHI		Date of i	ssue: 12/09/2017	
Case No: 2018-0106				Date of visit:	28/03/2018	
Time spent on site:	4 hours	Ma	ain Inspector	: D	СВ	
Site No: FS0502	Site Name:	Scotasay				
Business No: FB0119	Business Name:	Marine Harvest (So	otland) Ltd			
Case Types: 1 ECI	2 CNI 3 SLI	4 VMD 5		6		
Water Temp (°C): 6.7	Thermometer No:	Site]	FHI 045 comple	ted	
Observations:	Region: WI	Water type:	S	CoGP MA:	W-8	
Dead/weak/abnormally behaving fish present? N If yes, see additional information/clinical score sheet.						
Clinical signs of disease observ	N If yes, see additional information/clinical score sheet.					
Gross pathology observed?		N If yes, see additional information/clinical score sheet.				
Diagnostic samples taken?		N				
UNI/REG only - if unable to carry out intended visit detail reason below:						

Lice numbers - gravid females over period checked were highest in wk 12, at 0.88 per fish.

lice treatments wk 12 have been effective, cage 6 had lowest clearance of 68%. Rest were high 80s 90 %

VMD fish looked healthy inside.

Lumpfish mortality - 767 since input (23/02-28/02/2018)- attributed to input losses and treatment.

Seal damage suspected on a cage on the 04/02/2018 (MSe040218SAL1), 12 fish were thought to have escaped and the incident was reported to the FHI and investigated in case #20180030.

FHI 059, Version 11			Issu	ed by: FHI			Date of issu	e: 12/09/2017
Case No:	2018-0106		Site No:	FS0502				
Date of Visit:		28/03/2018]		Inspector(s):	DCB]
Registration/Autho 1. Business/site deta 2. Changes made to	ails summary		ite representa	ative?			Y N	1
Site Details								
Total No facilities		8	Facilities sto	cked	8	No facilitie	s inspected	8
Species	SAL	LUM		l e			l	
Age group	Q4 17	<6 M						
No Fish	1,063,237	144,758						
Mean Fish Wt	0.915 Kg	35G						
Next Fallow Date (S	ite)	Spring 2019		Next Input Da	ate (Site)	Autumn 20)19	
·					1			
Recent (last 4 wks)	disease probl	ems?		N	Any escapes	(since last	visit)?	N
If yes, detail:								
Movement Records	S							
1. Movement record		r inspection?						Y
2. Date of last inspec							14/02/2018	
3. Are records comp		ectly entered?	>					Y
4. Are movement red		•		•				Y
5. Are records comp	lete and corr	ectly entered?	>					Y
6. Are health certification		•		able?				N/A
Transport Records								
1. Are any movemen		• •		•	~ .			N
If yes, is there a syst	tem in place f	or maintenan	ce of transpor	rtation records	?			
Mortality Records								
1. Mortality records a	available for i	nspection?						Y
2. How are mortalities disposed of? Ensiled - on site								
If other detail:								
3. Mortality records of	complete and	correctly ente	ered?					Y
4. Recent mortality (last 4 wks)·		,	0.002% across ek) Wk 11 928	, ·		,	70-199 per
5. Evidence of recen	•	itynical mortal		CK) VVK 11 020	7 (30 100) ***	12 1200 (02	100)	N
If yes, facility nos/no		• •		/reason:				
	71	,	1 /					
6. Any other peaks in	n mortality du	ring period ch	necked?					Y
		during treatm						
7. Have increased (u	unexplained)	mortalities be	en reported to	vet or FHI?				N/A
If yes, detail action:			0.16	IDT .		Pr.	1	N1/A
8. Have 'mortality ev	ents' been re	ported to FHI	? If no, add M	IKI case and e	enter on morta	ility events s	neet.	N/A

Treatments and Medicines Records	
1. Recent treatments (last 4 wks)?	Y
If yes, detail: 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	
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	Y
is detected been included and <i>how</i> and <i>when</i> that will be notified to Scottish Ministers?	V
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).	
14/02/2019 29/02/2019	

Records checked between: 14/02/2018 - 28/03/2018

٠.	ii 000, version i i							133	ueu by. i				
	Case no:	2018-01	106	Site No:		FS0502			Date of v		28/0	03/2018	28/0
	Priority samples:	VI		ВА		PA		MG	Sampling	g: HI			
	Time sampling starts/ends:		0:00		0:00		Inspector	r:	DCB	-1	VMD No).	25
	Environmental conditions:	1	Indoors	2		3		4		5			
	Summary samples	HIST		ВА		MG	\ 	/I		PA		Total Sa	mples
A	dd Fish/Pools - click												
	Pool/Fish No												
	Fish nos	F1	F2	F3	F4	F5							
	Pool Group												
	Species	SAL	SAL	SAL	SAL	SAL							
	Average weight	0.9150	0.9150	0.9150	0.9150	0.9150							
	Sex	N/A	N/A	N/A	N/A	N/A							
	Water Type	SW	SW	SW	SW	SW							
									- 1				
									- 1				
				,	_				- 1				
Details		Glenfinnan	Loch Garry	Garry	Loch Garry	Loch Garry			- 1				
ets		ii.	Ğ	Ğ	Ğ	Ğ			- 1				
Ô		eni	ch	Loch	ch	ch			- 1				
Stock	Stock Origin												
St	Facility No	S1	S3	S5	S6	S8							

O Total Tests assigned O
Total Tests assigned 0
Total Tests assigned 0

FHI 059, Version 11		Issued by: FHI			Date	of issue	: 12/09/2017
Case Number:	2018-0106		Site No:	FS0502		Insp:	DCB
Date of Visit	28/03/2018		No of m	ovements/s	supp./dest.		Score
Live fish movements			0	1-5	6-10	>10	
Movements on (from out	Frequency of m	novements on from equivalent MS	0	5	10	14	0
with GB) of susceptible species		novements on from equivalent zone or	0	9	10	26	
	Number of sup	ocluding third country	0		18 10		\vdash
Marranata							10
Movements off	Frequency of m		0				10
Exposure via water	Trambol of door	Site contacts					l——
Water contacts with other	Farm is protect	ed (secure water supply through					
farms (holding species	disinfection or l	•	0				
susceptible to same diseases)		or in a coastal zone with category In or within 1 tidal excursion	1	2	4		2
ŕ		or in a coastal zone with category III					
		or within 1 tidal excursion	1	3	6		
		or in a coastal zone with category V or within 1 tidal excursion	1	4	8		
	Tarris apstream	Tor Willim F tidal executation	'		<u> </u>		
Management practices			None	Secure	Unsecure		
Water contacts with processors	Any processing	plant discharging into adjacent waters	0	1	2		0
On farm processing within	No on farm pro	cessing	0				0
the rules of the directive	Processing own	n fish (re-cycling risk)	1				
	Processing fish	from MS of equivalent status	2				
		from zone or compartment of					
	equivalent statu	rrom Category III farm	4				
		from Category V farm	8				-
			10	<u> </u>			\blacksquare
Disposal of fish and fish by-	Site's own was	te only processed.	0				
products	Common proce	esses with other farms	3				3
	Collection point	for waste from other farms	5				
Use of unpasteurised feeds	No feeding of u	npasteurised feed	0	1			0
	Feeding unpas	teurised feed	5				
Biosecurity		Number of sites	1	2 or 3	≥ 4		
Contacts with other sites	Sites operating	from single shorebase	0	1	2		1
	Sites sharing s	aff and equipment	0	1	2		1
Disinfection of equipment	Yes		0	ĺ			0
between sites, use of footbaths etc	No		1				
CoGP/Regulator				J			
Practices in accordance	Yes		0	1			
with regulator or industry	No		0				
code of practice			3	J			
Platform access to cages	Yes		0				0
	No		2				
					Total		20 MEDIUM
					Rank		MEDIUM

FHI 059, Version 11	Issued	by: FHI	Date of iss	ue: 12/09/2
Case No: 2018-010	06	Site No:	FS0502	
Sea Lice Inspection (Seawater S	Sites Only) ce problems in the previous 4 years	?		Υ
·	t Area (or equivalent) fallowed synd		ear class basis?	Y
3. Does the site have access to a azamethiphos and emamectin ber can these be deployed in a reasor 4. Is there a signed documented fa	range of licenced in-feed and bath nzoate) as well as access to suitab nable period of time? arm management agreement or sta	sea lice medications (incle biological and/or med	cluding deltamethrin, hanical control measures, and	Y
Management Area (or equivalent)				N/
	able for inspection? (Legal SSI, Co		1001 0 05 4 0)	Y
6. Do records adequately reflect tr	ne required standard specified in the	e SSI and the CoGP? (L	egai SSI, CoGP Annex 6)	Υ
7. Are sea lice (<i>L. salmonis</i>) recorrecords are inspected? (CoGP Ar	d levels below the suggested criter nnex 6)	ia for treatment in the Co	oGP during the period that	Υ
records are inspected?	lice (L. salmonis) numbers per fish		above during the period that	N
	o the Fish Health Inspectorate? If n			N/A
9. Is <i>C. elongatus</i> infestation at a	level which is considered to cause	significant welfare proble	ems? (CoGP 4.3.81, 5.3.50)	N
•	een administered or other actions to where <i>C. elongatus</i> is considered			Υ
11. Has any other action been tak	en (where applicable)?			N/A
12. Have therapeutic treatments o	r the actions taken had a significan	t impact upon the lice le	vels recorded?	Υ
	ted, carried out in cooperation betw for the site, where fewer population	· · · · · · · · · · · · · · · · · · ·		Y Y
	ice management procedure with wa a sea lice infestation?	aypoints describing set a	actions to deal with recognised	Υ
16. Does the stock on site appear reasons.	satisfactory in relation to sea lice le	evel and sea lice count o	lata? If no please detail	Υ
Υ				
	ment damage due to predators in thate against the predation experience			Y Y
*	(below), Seal Blinds, Tensioned	·	,	
If other, detail below:				
0.11			L (EIII: 6: 0	N
Have escape incidents or evenIf Yes proceed with questions 4 –Have these been reported to So		cinity of the site since th	e last FHI Inspection?	
	cal DSFB forthwith (where they exis		·	
6. Have these been reported to the	e SSPO and local fisheries trusts fo	orthwith (where they exis	t)? (CoGP – 4.4.37, 5.4.17)	
7. Were methods (if any) used to r	recover escapees? If yes give detai	İ		
	nis action agreed with local wild fish	interests and was perm	ission given by Scottish	
Ministers? (Legal, CoGP – 4.4.38,	·			
	ent and minimise the risk of further e	escapes? (Not covered i	n code but could	
be considered under satisfactors. 10. Is the site inspected as satisfactors.	ory measures of the Act) ctory with regards to containment?	If no, please detail reas	on(s)	Υ
10. 13 the old moperiou as satisfa	ctory with regards to containinetit!	ii iio, picase detaii ieas	On(0)	•

Date of issue: 12/09/2017

FHI 059, Version 11	Issued by: FHI	Date of issue: 12/09/2017
Case No: 2018-0106	Site No: FS0502	
Date of Visit: 28/03/2018	8 Inspector: DCB	
Point of Compliance		
1. Is the farm under inspection located If N, no further questions require comp	•	Υ
Points of Compliance for Both Farm	Management Agreements and Statements	
3. Is the current FMAg/S available for i4. Does the FMAg/S identify the releva5. Does the FMAg/S identify the fish fa	nt farm management area? rm site(s) to which it applies? f commencement of the agreement or statement	Y Y Y
Arrangements for Fish Health Managements	gement	
farm? 9. Does the FMAg/S identify the vaccin 10. Does the FMAg/S identify the spec 11. Does the FMAg/S identify the maxi individual farm? 12. Does the FMAg/S identify the arrar fish farm in the area or the individual farm. Arrangements for The Management		or farm? Y or farm? Y on the area or the Y ead fish from any
of statement? 15. Does the FMAg/S identify any require on farms in the area or individual factorial factor	mstances under which biological controls and c	reatments for sea Y cleaner fish are to be
Live Fish Movements		
area or farm?	mstances when live fish may be introduced or r	

FHI 059, Version 11	Issued by: FHI	Date of issue: 12/09/2017
Harvesting		
20. Does the FMAg/S identify accepta	able harvest practices on farms in the area or individua	al farms?
Fallowing		
21. Does the FMAg/S identify the date date when a farm or area may be res	es by which the area or individual farm will be fallow a tocked?	and the earliest Y
22. Does the FMAg/S identify whethe agreement or statement?	r one or more year classes may be stocked onto sites	s covered by the Y
	r broodstock or potential broodstock are to be kept or ent?	n any site Y
Point of Compliance for Farm Mana	agement Agreements Only	
24. Does the farm management agree parties to the agreement?	ement include arrangements for persons to become,	or cease to be,
Management and operation		
25. Is the fish farm being managed ar	nd operated in accordance with the agreement or stat	rement?
26. What is the version no/date of iss	ue of the FMAg/S? 27/09/2017	

Case No:	2018-0106			Date of visit:	28/03/2018			
Site No:	FS0502	1		Inspector:	DCB	1		
Results Summary	Freq.			Da	te of Notifica	tion		
,	,	Database	Insp		Insp	Writing	Insp	2 nd Insp
Report Summary								
Case Type	Date	Insp	2 nd Insp					
Case Type ECI,CNI,SLI,VMD	09/04/2018	DCB	ALW					





Marine Harvest (Scotland) Ltd Stob Ban House Glen Nevis Business Park Fort William PH33 6RX

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

Business NoFB0119Date of Visit28/03/2018Site NoFS0502Site NameScotasayInspectorDavid BradleyCase No20180106

Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

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

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

Records

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

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

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

Mortality records were inspected and found to be adequately maintained.

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

Reports detailing the results of animal health surveillance carried out by or on behalf of the business and/or Marine Scotland were not 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 2013

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.



The Fish Health Inspectorate Service Charter detailing standards of service is available on the Marine Scotland website at www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter

FHI 059, Version 11		Issued by: FHI	Date of issue: 12/09/2017
Case No: 2018-0108			Date of visit: 27/03/2018
Time spent on site:	hours	Main Insp	pector: ALW
Site No: FS0643	Site Name:	Langass Hatchery	
Business No: FB0169	Business Name:	The Scottish Salmon Com	pany
Case Types: 1 ECI	2 CNI 3	4 5	6
Water Temp (°C): 10.6	Thermometer No:	Site	FHI 045 completed
Observations:	Region: WI	Water type: F	CoGP MA:
Dead/weak/abnormally behaving	fish present?	N If yes, see additional i	nformation/clinical score sheet.
Clinical signs of disease observe	ed?		nformation/clinical score sheet.
Gross pathology observed?		N If yes, see additional i	nformation/clinical score sheet.
Diagnostic samples taken?		N	
UNI/REG only - if unable to carry	out intended visit deta	il reason below:	

Site used to produce company's Hebridean strain of fish. Broodstock transferred onto site in late spring. Produce eyed ova for production sites and future broodstock

Select 1,000 viable ova from each family for incubation in specially modified comphatch system (trays divided into smaller compartments). Each family is raised in a separate 1m tank. Numbers reduced to 500 at 10g, 250 at 30g and to final 100 per family prior to transfer to Loch Geireann. At this point the fish are weighed, length noted and individually tagged. The families are then mixed in cages at Loch Geireann.

The site is currently being upgraded with a new incubation and holding shed which will be stocked in the next 5-6 weeks. This new facility will have a dedicated incubation area (comphatch systems, buckets and zuger jars) and 200 1m tanks for ongrowing. The tanks are fed by robot with a track above the tanks for the hoppers to move along. The current facility (88 1m tanks) will be dismantled. In addition the square tanks in the other building have been removed and replaced with six 5m tanks and two 4m tanks mainly for holding the broodstock.

Currently have one of the large tanks stocked with 147,000 first feeding fry as reserve fish if needed at another site. Also stripped some sea trout broodfish, but no site was available to grow the ova so the ova were culled.

Broodstock for 2018 and 2019 seasons currently at Treanay, but 2020 broodstock currently at Loch Geireann will transfer to Ormsary Broodstock Unit next month. In the future the site will receive green ova and milt from Hebridean broodstock held at Ormsary. Genetic testing will be undertaken to help improve the line.

Recently had gut fungus in a couple of tanks, but treated with formalin. Fish on site appeared healthy.

Water temperature of heated water 10.6C and ambient at 6.3C

FHI 059, Version 11			Issu	ed by: FHI			Date of issu	ıe: 12/09/2017
Case No:	2018-0108]	Site No:	FS0643	3			
Date of Visit:		27/03/2018	3		Inspector(s):	ALW]
Registration/Autho 1. Business/site deta 2. Changes made to	ails summary		site representa	ative?			Y Y	}
Site Details								
Total No facilities		200 + hatchery	Facilities sto	cked	89	No facilitie	es inspected	200 + hatchery
Species Age group No Fish	SAL Fry 229,487							
Mean Fish Wt	0.2g							
Next Fallow Date (S	ite)	N/A		Next Input Da	ate (Site)	May 2018	(broodstock)	
Recent (last 4 wks) of the second (last 4 wks) o	disease probl gut fungus	lems?		Y	Y Any escapes	s (since last	visit)?	N
Movement Records	5							
 Movement record Date of last inspect Are records comp Are movement records comp Are records comp Are health certification 	ction: plete and corrected cords availab plete and corre	rectly entered ble for dead fis rectly entered	? sh and waste? ?				23/11/2016	Y Y Y Y N/A
Transport Records								
1. Are any movemer If yes, is there a syst		• •	•	•				Y
Mortality Records								
Mortality records a How are mortalities	es disposed o	of?			Other (detail)		Y
If other detail: 3. Mortality records of		hiteshore Co						Y
4. Recent mortality (last 4 wks):		1,383 in alev fungus)	rins and 3,906	in first feeding	g fry in last 4	4 weeks (maii	
5. Evidence of recer If yes, facility nos/no		•		/reason:				N
		·						
6. Any other peaks in If yes, detail:	n mortality du	ring period cl	hecked?					N
7. Have increased (u	unexplained)	mortalities be	en reported to	vet or FHI?				N/A
If yes, detail action: 8. Have 'mortality events' been reported to FHI? If no, add MRT case and enter on mortality events sheet.							N/A	

FHI 059, Version 11	Issued by: FHI	Date of issue: 12/09/2017
Treatments and Medicines Records		
1. Recent treatments (last 4 wks)?		Υ

Treatments and Medicines Records	
1. Recent treatments (last 4 wks)?	Y
If yes, detail: Formalin	
If other, detail:	
2. Medicines records available for inspection?	Y
3. Are records complete and correctly entered?	Y
4. Are fish in a withdrawal period?	N
5. If yes, what treatment(s)?	
If other, detail:	
6. Are medicines stored appropriately?	Y
Biosecurity Records	
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	Y
is detected been included and <i>how</i> and <i>when</i> that will be notified to Scottish Ministers?	
5. Has the health status of aquaculture animals being stocked on the farm site been covered (equal or higher	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. Her any animal health auryeillance been carried out by or an hehalf of the business?	V
1. Has any animal health surveillance been carried out by, or on behalf of, the business?2. If yes, are results available for inspection?	\ \rightarrow\ \ri
3. Any significant results?	V
If yes, detail (if not detailed under recent disease problems).	· '
ii yes, detaii (ii not detailed diidei recent disease problems).	

Records checked between: 23/11/2016 - 27/3/18

FHI 059, Version 11		Issued by: FHI			Date of	of issue	: 12/09/2017
Case Number:	2018-0108		Site No:	FS0643		Insp:	ALW
Date of Visit	27/03/2018		No of m	ovements/s	supp./dest.		Score
Live fish movements			0	1-5	6-10	>10	
Movements on (from out	Frequency of m	novements on from equivalent MS	0	5	10	14	0
with GB) of susceptible species		novements on from equivalent zone or	0	0	40	200	
Species .	Number of supp	ocluding third country	0		18 10	26 14	0
Movements off	Frequency of m Number of dest		0		6	10	10
Exposure via water	Number of desi	Site contacts			6-10	10	
Water contacts with other	Farm is protect	ed (secure water supply through	, <u> </u>	-3	0-10		
farms (holding species	disinfection or b		0				0
susceptible to same diseases)	farms upstream	or in a coastal zone with category I or within 1 tidal excursion	1	2	4		1
	farms upstream	or in a coastal zone with category III or within 1 tidal excursion	1	3	6		0
		or in a coastal zone with category V or within 1 tidal excursion	1	4	8		0
Management practices			None	Secure	Unsecure		
Water contacts with processors	Any processing	plant discharging into adjacent waters	0	1	2		0
On farm processing within the rules of the directive	No on farm pro	cessing	0				0
	Processing owr	n fish (re-cycling risk)	1				0
	Processing fish	from MS of equivalent status	2				0
		from zone or compartment of	1				
	equivalent statu	from Category III farm	4				0
		from Category V farm	10				0
			1 10]			
Disposal of fish and fish by- products			0				0
products		sses with other farms	3				0
	Collection point	for waste from other farms	5	_			5
Use of unpasteurised feeds	No feeding of u	npasteurised feed	0	1			0
	Feeding unpast	teurised feed	5				0
Biosecurity		Number of sites	1	2 or 3	≥ 4		
Contacts with other sites	Sites operating	from single shorebase	0	1	2		1
	Sites sharing st	aff and equipment	0	1	2		1
Disinfection of equipment between sites, use of	Yes		0				0
footbaths etc	No		1				0
CoGP/Regulator							
Practices in accordance	Yes		0				0
with regulator or industry code of practice	No		3	1			0
Platform access to cages	Yes		0]			0
	No		2				0
					Tatal		
					Total Rank		MEDIUM

Case No:	2018-0108		Site N	No:	FS0643	
Sea Lice Inspection (and 1. Has the site experies	Seawater Sites Only) nced sea lice problems i	n the previous 4 years?	?			_
•	lanagement Area (or equ			igle ye	ear class basis?	
azamethiphos and ema	access to a range of licer amectin benzoate) as we in a reasonable period o cumented farm manager equivalent)?	ell as access to suitable of time?	e biological and/or	mech	nanical control measu	ures, and
	ecords available for inspe	ection? (Legal SSI, Co	GP Annex 6)			
	ely reflect the required st			P? (Le	egal SSI, CoGP Anne	ex 6)
7. Are sea lice (<i>L. salm</i> records are inspected?	nonis) record levels below (CoGP Annex 6)	w the suggested criteri	a for treatment in th	he Co	GP during the period	d that
8. Have average adult records are inspected?	female sea lice (<i>L. salm</i> o	onis) numbers per fish	been at a level of	3 or a	bove during the perio	od that
If yes, have these beer	reported to the Fish He	alth Inspectorate? If no	, FHI see commen	nt.		
9. Is C. elongatus infes	station at a level which is	considered to cause s	significant welfare p	proble	ms? (CoGP 4.3.81,	5.3.50)
	reatments been administ reatment or where <i>C. elo</i>					
11. Has any other action	on been taken (where ap	plicable)?				
12. Have therapeutic tr	eatments or the actions	taken had a significant	impact upon the lie	ice lev	els recorded?	
13. Are treatments, wh	ere conducted, carried o	ut in cooperation between	een participating fa	arms?		
sea lice?	g strategy for the site, w					
	ific written lice managem scalation of a sea lice inf		ypoints describing	set a	ctions to deal with re	cognised
16. Does the stock on reasons.	site appear satisfactory i	n relation to sea lice le	vel and sea lice co	ount da	ata? If no please deta	ail
Containment Inspecti	ion					
1. Has the site experie	nced equipment damage	due to predators in the	e current or previou	us pro	oduction cycles?	N
2. Are measures in pla	ce to mitigate against the	e predation experience	d on site? (Detail b	pelow))	Y
Site inside						
If other, detail below:						
If Yes proceed with que	ents or events been expe estions 4 – 9. If No skip to ported to Scottish Ministe	o question 10	inity of the site sind	ce the	last FHI inspection?	N N
5. Have these been rep	ported to local DSFB fort	hwith (where they exist	:)? (CoGP – 4.4.37	7, 5.4.	.17)	
·	ported to the SSPO and	•			•	5.4.17)
7. Were methods (if an	y) used to recover escap	pees? If yes give detail				
8. If gill nets were depl	oyed was this action agre	eed with local wild fish	interests and was i	permi	ssion given by Scotti	sh
Ministers? (Legal, CoG						
9. What action was tak	en to prevent and minim	ise the risk of further e	scapes? (Not cove	ered in	code but could	
be considered unde	r satisfactory measure	s of the Act)				
10. Is the site inspecte	d as satisfactory with reg	gards to containment?	f no, please detail	reaso	on(s)	Y

Issued by: FHI

Date of issue: 12/09/2017

FHI 059, Version 11

Case No:	2018-0108	Date of visit: 27/03/2018						
Site No:	FS0643]		Inspector:	ALW	1		
Results Summary	Freq.			Da	te of Notificat	tion		
,		Database	Insp		Insp	Writing	Insp	2 nd Insp
						1		
D 4 O								
Report Summary	_		nd					
Case Type ECI/CNI	Date	Insp	2 nd Insp					
ECI/CNI	04/04/2018	ALW	ASM					
		-						
	 							





The Scottish Salmon Company
1 Smithy Lane
Lochgilphead
Argyll
PA31 8TA

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS NO FB0169 DATE OF VISIT 27/03/2018
SITE NO FS0643 SITE NAME Langass Hatchery
INSPECTOR Andrea Warwick CASE NO 20180108

Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

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

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.

R04

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

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

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

Inspection under the Animals and Animal Products (Examination for Residues and Maximum Residue Limits) (England and Scotland) Regulations 2013

Medicine records were inspected and found to be adequately maintained.

Inspection under the Aquaculture and Fisheries (Scotland) Act 2007

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

On this occasion the site was found to be satisfactory.

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



The Fish Health Inspectorate Service Charter detailing standards of service is available on the Marine Scotland website at www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter

FHI 059, Version 11	I	Issued by: FHI	Date of issue: 12/09/2017							
Case No: 2018-0109			Date of visit: 27/03/2018							
Time spent on site:	2.5 hours	Main	Inspector: ALW							
Site No: FS0195	Site Name:	Loch Geireann								
Business No: FB0169	Business Name:	The Scottish Salmon C	Company							
Case Types: 1 ECI	2 CNI 3 VMD	4 5	6							
Water Temp (°C): 6.8	Thermometer No:	T148	FHI 045 completed							
Observations:	Region: WI	Water type: F	CoGP MA:							
Dead/weak/abnormally behavir	ng fish present?	N If yes, see addition	nal information/clinical score sheet.							
Clinical signs of disease observed	ved?	N If yes, see addition	nal information/clinical score sheet.							
Gross pathology observed?		N If yes, see addition	nal information/clinical score sheet.							
Diagnostic samples taken?		N								
UNI/REG only - if unable to carry out intended visit detail reason below:										

Currently holding 2020 broodstock generation and these will transfer to Ormsary Broodstock Unit next month. Genetic testing will be undertaken to help improve the line and all fish have been pit tagged.

Fish vaccinated with PD7.

All mortalities are weighed, length taken and pit tag recovered before disposal. Mortalities held at Langass Hatchery before disposal. Recent mortalities due to bird damage.

Water very dark and peaty, but fish sampled for VMD appeared healthy and fish in excellent condition.

FHI 059, Version 11			Issu	ed by: FHI			Date of issu	e: 12/09/2017		
Case No:	2018-0109		Site No:	FS0195						
Date of Visit:		27/03/2018]		Inspector(s):	ALW]		
Registration/Autho 1. Business/site deta 2. Changes made to	ails summary		ite representa	tive?			Y N			
Site Details										
Total No facilities		8	Facilities sto	cked	3	No facilitie	es inspected	8		
Species	SAL									
Age group	Parr (2018									
No Fish	12,821									
Mean Fish Wt	80g									
Next Fallow Date (Si	ite)	End April 20	18	Next Input Da	ite (Site)	Aug/Sept 2	2018			
Recent (last 4 wks)	disease probl	ems?		N	Any escapes	(since last	visit)?	N		
If yes, detail:	·					,	,			
Movement Records	•									
Movement records		r inspection?						Y		
2. Date of last inspec		i inspection:					06/10/2015			
3. Are records comp		ectly entered?	•				00/10/2010	Y		
4. Are movement red		•						Y		
5. Are records comp	lete and corre	ectly entered?	•					Y		
6. Are health certification				ıble?				N/A		
Transport Records										
1. Are any movemen		• •		•	•			Y		
If yes, is there a syst	tem in place f	or maintenan	ce of transpor	tation records	?			Y		
Mortality Records										
Mortality records a	available for i	nspection?						Y		
2. How are mortalities		•			Other (detail))				
		hiteshore Cod	ckles		(() ()					
3. Mortality records of								Y		
4. Recent mortality (last 4 wks):		63 in last 4 w	reeks due to co	ormorants					
5. Evidence of recent increased/atypical mortalities?										
If yes, facility nos/no	mortality per	facility/no sto	ck per facility/	reason:						
6. Any other peaks in	n mortality du	ring period ch	ecked?					N		
If yes, detail: 7. Have increased (unexplained) mortalities been reported to vet or FHI?										
If yes, detail action:	arionplairied)	nortalities be	on reported to	730011111				N/A		
8. Have 'mortality ev	ents' been re	ported to FHI	? If no, add M	RT case and e	enter on morta	lity events s	sheet.	N/A		

FHI 059, Version 11	Issued by: FHI	Date of issue: 12/09/2017
Treatments and Medicines Records		

Treatments and Medicines Records	
1. Recent treatments (last 4 wks)?	N
If yes, detail:	
If other, detail:	
2. Medicines records available for inspection?	Y
3. Are records complete and correctly entered?	Y
4. Are fish in a withdrawal period?	N
5. If yes, what treatment(s)?	
If other, detail:	
6. Are medicines stored appropriately?	Y
Biosecurity Records	
Biosecurity records available for inspection?	Y
2. Has the manner and frequency of mortality removal, recording and safe disposal been considered?	Y
3. Has the manner and period in which the APB will notify Scottish Ministers or veterinary professional of any	
increased (unexplained) mortality at the site been included?	Y
4. Has the action that will be taken in the event that the presence or suspicion of the presence of a listed disease	Y
is detected been included and how and when that will be notified to Scottish Ministers?	V
5. Has the health status of aquaculture animals being stocked on the farm site been covered (equal or higher health status, certification if required)?	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?	V
8. Have the biosecurity procedures been adequately implemented on site? If no, detail:	ı
Results of Surveillance	
1. Has any animal health surveillance been carried out by, or on behalf of, the business?	N
2. If yes, are results available for inspection?	
3. Any significant results?	
If yes, detail (if not detailed under recent disease problems).	
Records checked between: 6/10/15 - 27/3/18	

•	mi 059, version i i							133	ueu by. r	111			
	Case no:	2018-01	09	Site No:		FS0195			Date of v		27/0	03/2018	27/0
	Priority samples:	VI		ВА		PA		MG	Sampling	g. HI			
	Time sampling starts/ends:		5:00	12:0	0:00		Inspecto	or:	ALW		VMD No).	5
	Environmental conditions:	1	Indoors	2		3		4		5			
	Summary samples	HIST		ВА		MG		VI		PA		Total Sa	mples
Δ	dd Fish/Pools - click												
	Pool/Fish No												
	Fish nos	1-9	10-13										
	Pool Group												
	Species	SAL	SAL										
	Average weight	0.0800	0.0800										
	Sex	N/A	N/A										
	Water Type	SW	SW										
Stock Details	Stock Origin Facility No	Langass Hatchery (Hebridean)	Langass Hatchery (Hebridean)										
V.) acility in	8	1										

1111 000,								.00	aca by.		
03/2018	Addition	nal Sam	ple Infor	mation:							
0		Total Te	ests ass	igned	0	l					

FHI 059, Version 11		Issued by: FHI			Date	of issue	: 12/09/2017
Case Number:	2018-0109		Site No:	FS0195		Insp:	ALW
Date of Visit	27/03/2018		No of m	ovements/s	supp./dest.		Score
Live fish movements			0	1-5	6-10	>10	
Movements on (from out	Frequency of m	novements on from equivalent MS	0	5	10	14	0
with GB) of susceptible species		novements on from equivalent zone or	0	0	10	26	
эрсогса	Number of sup	ncluding third country	0		18 10	26 14	0
Movements off	Frequency of m		0		6 6	10	3
Exposure via water	Number of des	Site contacts			6-10	10	
Water contacts with other	Farm is protect	ed (secure water supply through		I-3	0-10		
farms (holding species	disinfection or b		0				0
susceptible to same diseases)		or in a coastal zone with category In or within 1 tidal excursion	1	2	4		1
		or in a coastal zone with category III or within 1 tidal excursion	1	3	6		0
		or in a coastal zone with category V or within 1 tidal excursion	1	4	8		0
Management practices			None	Secure	Unsecure		
Water contacts with processors	Any processing	plant discharging into adjacent waters	0	1	2		0
On farm processing within the rules of the directive	No on farm pro	cessing	0				0
the fales of the directive	Processing own	n fish (re-cycling risk)	1	ĺ			0
	Processing fish	from MS of equivalent status	2				0
	Processing fish equivalent statu	from zone or compartment of	4				0
	-	from Category III farm	8	1			0
	Processing fish	from Category V farm	10				0
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	npasteurised feed	0]			0
	Feeding unpas	teurised feed	5				0
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 between sites, use of	Yes		0				0
footbaths etc	No		1				0
CoGP/Regulator							
Practices in accordance	Yes		0				0
with regulator or industry code of practice	No		3				0
Platform access to cages	Yes		0]			0
V	No		2				0
				ı			
					Total		12
					Rank		LOW

Case No:	2018-0109		Site	No:	FS0195	
Sea Lice Inspection (3	Seawater Sites Only) nced sea lice problems ir	n the previous 4 years	?			
2. Is the CoGP Farm M	lanagement Area (or equ	ivalent) fallowed sync	hronously on a sir	ngle ye	ear class basis?	
azamethiphos and ema	access to a range of licent amectin benzoate) as we in a reasonable period of cumented farm managent equivalent)?	ell as access to suitable of time?	e biological and/o	r mech	nanical control measu	ures, and
•	ecords available for inspe	ction? (Legal SSL Co	GP Annex 6)			
	ely reflect the required st		·	SP? (Le	egal SSI, CoGP Anne	ex 6)
7. Are sea lice (<i>L. salm</i> records are inspected?	nonis) record levels below (CoGP Annex 6)	w the suggested criteri	a for treatment in	the Co	oGP during the period	I that
8. Have average adult records are inspected?	female sea lice (L. salmo	onis) numbers per fish	been at a level of	f 3 or a	above during the perio	od that
If yes, have these beer	reported to the Fish He	alth Inspectorate? If no	o, FHI see comme	ent.		
9. Is C. elongatus infes	station at a level which is	considered to cause s	significant welfare	proble	ems? (CoGP 4.3.81,	5.3.50)
	reatments been administer reatment or where <i>C. elo</i>					
11. Has any other action	on been taken (where app	olicable)?				
12. Have therapeutic tr	reatments or the actions	taken had a significant	impact upon the l	lice lev	vels recorded?	
	ere conducted, carried or g strategy for the site, when the site is a site of the site of	•	• • •			nt for
	ific written lice managem scalation of a sea lice info		ypoints describing	g set a	ctions to deal with re-	cognised
16. Does the stock on reasons.	site appear satisfactory in	n relation to sea lice le	vel and sea lice co	ount d	ata? If no please deta	ail
Containment Inspecti	ion					
•	nced equipment damage	due to predators in th	e current or previo	ous pro	oduction cycles?	N
2. Are measures in pla	ce to mitigate against the	predation experience	d on site? (Detail	below))	Υ
Predator Nets (below	v), Tensioned Nets, To	p Nets				
If other, detail below:		-				
If Yes proceed with que	ents or events been expensestions 4 – 9. If No skip to ported to Scottish Minister	o question 10	inity of the site sir	nce the	e last FHI inspection?	N N
5. Have these been rep	ported to local DSFB forti	hwith (where they exist	t)? (CoGP – 4.4.3	37, 5.4	.17)	
	oorted to the SSPO and I	•			•	5.4.17)
7. Were methods (if an	y) used to recover escap	ees? If yes give detail				
8. If gill nets were deple	oyed was this action agre	eed with local wild fish	interests and was	permi	ission given by Scotti	sh
Ministers? (Legal, CoG						
9. What action was tak	en to prevent and minim	ise the risk of further e	scapes? (Not cove	ered ir	n code but could	
be considered unde	r satisfactory measure	s of the Act)				
10. Is the site inspected	d as satisfactory with reg	ards to containment?	f no, please detai	l reaso	on(s)	Y

Issued by: FHI

Date of issue: 12/09/2017

FHI 059, Version 11

Case No:	2018-0109	Date of visit: 27/03/2018						
Site No:	FS0195	Inspector: ALW						
Results Summary	Freq.	Date of Notification						
	i i	Database	Insp		Insp	Writing	Insp	2 nd Insp
				-	-			
	Ì							
Report Summary		-	and a					
Case Type ECI/CNI/VMD	Date	Insp	2 nd Insp					
ECI/CNI/VMD	04/04/2018	ALW	ASM					





The Scottish Salmon Company
1 Smithy Lane
Lochgilphead
Argyll
PA31 8TA

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

Business NoFB0169Date of Visit 27/03/2018Site NoFS0195Site NameLoch GeireannInspectorAndrea WarwickCase No20180109

Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

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

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

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

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

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

Mortality records were inspected and found to be adequately maintained.

R04

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

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

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

Inspection under the Animals and Animal Products (Examination for Residues and Maximum Residue Limits) (England and Scotland) Regulations 2013

Medicine records were inspected and found to be adequately maintained.

Samples were taken to be analysed for veterinary residues.

Inspection under the Aquaculture and Fisheries (Scotland) Act 2007

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

On this occasion the site was found to be satisfactory.

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

Signed: Date: 04/04/2018
Fish Health Inspector

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Marine Scotland website at www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter

FHI 059, Version 11	Issu	ued by: FHI	Date of issue: 12/09/201			
Case No: 2018-0110			Date of visit: 28/03/2018			
Time spent on site:	3.5 hours	Main Inspecto	or: ALW			
Site No: FS0796 Business No: FB0169	Site Name: Business Name:	Treanay The Scottish Salmon Compan	у			
Case Types: 1 ECI	2 CNI 3 SLI	4 VMD 5	6			
Water Temp (°C): 7.3	Thermometer No:	T148	FHI 045 completed			
Observations:	Region: WI	Water type: S	CoGP MA: W-13			
Dead/weak/abnormally behavir Clinical signs of disease observ Gross pathology observed? Diagnostic samples taken?	•	N If yes, see additional infor	rmation/clinical score sheet. rmation/clinical score sheet. rmation/clinical score sheet.			
UNI/REG only - if unable to carry out intended visit detail reason below:						

Site currently holding two generations of potential broodstock. Some of the 2016 generation will transfer to Langass Hatchery in May and August and some to Upper Loch Tormasad in July 2018. To synchronise fallow with Outer Eport, the 2017 generation will be transferred to another site in the Uists, probably Grimsay.

The 2017 generation are part of the families programme and have all been pit tagged.

Fish have had Slice treatments in May, July, August, September and November 2017. Lumpfish stocked on site in November 2017 (1 cage only).

Weather poor, but no moribund fish observed. Two fish removed for VMD sampling and both appeared healthy.

FHI 059, Version 11			Iss	sued by: FHI			Date of issu	ıe: 12/09/2017
Case No:	2018-0110		Site No:	FS079	6			
Date of Visit:		28/03/20	18		Inspector(s):	ALW]
Registration/Authorisation Details 1. Business/site details summary checked by site representative? 2. Changes made to details?								}
Site Details								
Total No facilities		8	Facilities st	tocked	4	No facilitie	es inspected	8
Species	SAL	SAL	LUM					
Age group	2016 S1	2017 S1	Adult					
No Fish	5,322	7,635	442					
Mean Fish Wt	8Kg	2.8Kg	various					
Next Fallow Date (S	ite)	October 20	018	Next Input D	ate (Site)	Spring 20	19	
					.			
Recent (last 4 wks)	disease pro	blems?		ſ	N Any escapes	(since last	visit)?	N
If yes, detail:								
Movement Records	S							
1. Movement record	s available	for inspection	?					Y
							Previous bo	
								o inspection
2. Date of last inspe	ction:						of current be 2013)	ook (May
		rrectly entere	d?				2013)	Y
Are records complete and correctly entered? 4. Are movement records available for dead fish and waste?						Y		
5. Are records complete and correctly entered?						Y		
6. Are health certific	ates for intr	oductions (ou	twith GB) ava	ilable?				N/A
Transport Records								
1. Are any movements carried out by (or on behalf) of the business (not using a STB)?								Y
If yes, is there a system in place for maintenance of transportation records?						Y		
Mortality Records								
1. Mortality records available for inspection?								
2. How are mortalities disposed of? Other (detail)								
If other detail: Landfill at Whiteshore Cockles								
3. Mortality records complete and correctly entered?								
4. Recent mortality (last 4 wks): wk 9 - 53, wk 10 - 52, wk 11 - 25, wk 12 - 51, wk 13 - 3 (to date)								
5. Evidence of recent increased/atypical mortalities?						N		
If yes, facility nos/no mortality per facility/no stock per facility/reason:								
6. Any other peaks i	n mortality o	during period	checked?					Y
6. Any other peaks in mortality during period checked? If yes, detail: Grilse removal over winter (Dec - 2.87% and Feb 2.8%)						'		
7. Have increased (unexplained) mortalities been reported to vet or FHI?							N/A	
If yes, detail action:								
8. Have 'mortality events' been reported to FHI? If no, add MRT case and enter on mortality events sheet. N/A								

FHI 059, Version 11	Issued by: FHI	Date of issue: 12/09/2017
Treatments and Medicines Records		

Treatments and Medicines Records					
1. Recent treatments (last 4 wks)?	N				
If yes, detail:					
If other, detail:					
2. Medicines records available for inspection?	Y				
3. Are records complete and correctly entered?	Y				
4. Are fish in a withdrawal period?	N				
5. If yes, what treatment(s)?					
If other, detail:	V				
6. Are medicines stored appropriately?	Ť				
Biosecurity Records					
Biosecurity records available for inspection?	Y				
2. Has the manner and frequency of mortality removal, recording and safe disposal been considered?	Y				
3. Has the manner and period in which the APB will notify Scottish Ministers or veterinary professional of any					
increased (unexplained) mortality at the site been included?	Y				
	V				
4. Has the action that will be taken in the event that the presence or suspicion of the presence of a listed disease	Y				
is detected been included and <i>how</i> and <i>when</i> that will be notified to Scottish Ministers?	V				
5. Has the health status of aquaculture animals being stocked on the farm site been covered (equal or higher health status, certification if required)?					
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					
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?	Υ				
2. If yes, are results available for inspection?	Y				
3. Any significant results?	Y				
If yes, detail (if not detailed under recent disease problems). Complex gill issues (Nov 17)					
10/5/42 27/2/40					

ecords checked between:

19/5/13 - 27/3/18

٠.	1111 000, VEISIOII 11						issued by. I Til							
	Case no:	2018-01	110	Site No:		FS0796	i		Date of Samplin		28/	03/2018	28/0	
	Priority samples:	VI		ВА		PA		MG		g. HI				
	Time sampling starts/ends:		5:00		0:00		Inspecto	or:	ALW	_1	VMD No	o. 	10	
	Environmental conditions:	1	Indoors	2		3		4		5				
	Summary samples	HIST		ВА		MG		VI		PA		Total Sa	mples	
A	dd Fish/Pools - click													
	Pool/Fish No													
	Fish nos	1	2											
	Pool Group													
	Species	SAL	SAL											
	Average weight	8.0000	8.0000											
	Sex	N/A	N/A											
	Water Type	SW	SW											
Stock Details		Geocrab via Greanamul	Geocrab via Greanamul											
Sţ	Facility No	1	5											

000,	11 000, VOIDIOTI TI									100000 59. 1 1 11					
O3/2018 Additional Sample Information:															
0 Total Tests assigned 0															

FHI 059, Version 11			Date of	of issue	: 12/09/2017		
Case Number:	2018-0110		Site No:	FS0796		Insp:	ALW
Date of Visit	28/03/2018		No of m	ovements/s	supp./dest.		Score
Live fish movements			0	1-5	6-10	>10	
Movements on (from out	Frequency of m	novements on from equivalent MS	0	5	10	14	0
with GB) of susceptible species		novements on from equivalent zone or		0	40	00	
species	compartment in Number of supp	cluding third country	0	9 5	18 10	26 14	0
Movements off	Frequency of m		0	3	6	10	6
Exposure via water	Number of dest	Site contacts	0		6-10	10	3
Water contacts with other	Farm is protect	ed (secure water supply through	,	1-5	0-10		
farms (holding species	disinfection or b	oorehole)	0				0
susceptible to same diseases)	farms upstream	or in a coastal zone with category I or within 1 tidal excursion	1	2	4		2
	farms upstream	or in a coastal zone with category III or within 1 tidal excursion	1	3	6		0
		or in a coastal zone with category V or within 1 tidal excursion	1	4	8		0
Management practices			None	Secure	Unsecure		
Water contacts with processors	Any processing	plant discharging into adjacent waters	0	1	2		0
On farm processing within the rules of the directive	No on farm pro		0				0
	Processing own	n fish (re-cycling risk)	1				1
	Processing fish	from MS of equivalent status	2				0
	Processing fish equivalent statu	from zone or compartment of	4				0
		from Category III farm	8				0
		from Category V farm	10				0
Disposal of fish and fish by-	Site's own wast	e only processed.	0	İ			0
products	Common proce	sses with other farms	3				3
	Collection point	for waste from other farms	5				0
Use of unpasteurised feeds	No feeding of u	npasteurised feed	0	: 			0
	Feeding unpast	teurised feed	5				0
Biosecurity		Number of sites	1	2 or 3	≥ 4		
Contacts with other sites	Sites operating	from single shorebase	0	1	2		1
	Sites sharing st	aff and equipment	0	1	2		1
Disinfection of equipment between sites, use of	Yes		0				0
footbaths etc	No		1				0
CoGP/Regulator							
Practices in accordance	Yes		0				0
with regulator or industry code of practice	No		3				0
Platform access to cages	Yes		0				0
	No		2				2
					Total		19
					Rank		MEDIUM

FHI 059, Version 11	Issued by: FHI	Date of issue: 12/09/2
Case No: 2018-0110	Site No:	FS0796
Sea Lice Inspection (Seawater Sites 1. Has the site experienced sea lice pr	• •	Y
·	ea (or equivalent) fallowed synchronously on a single ye	ear class basis?
3. Does the site have access to a rang azamethiphos and emamectin benzoa can these be deployed in a reasonable 4. Is there a signed documented farm	e of licenced in-feed and bath sea lice medications (inclete) as well as access to suitable biological and/or mech	luding deltamethrin, anical control measures, and
Management Area (or equivalent)?		
	for inspection? (Legal SSI, CoGP Annex 6)	Y
b. Do records adequately reflect the re	quired standard specified in the SSI and the CoGP? (Le	egal SSI, CoGP Annex 6) Y
7. Are sea lice (<i>L. salmonis</i>) record lever records are inspected? (CoGP Annex	vels below the suggested criteria for treatment in the Co(6)	GP during the period that N
records are inspected?	(L. salmonis) numbers per fish been at a level of 3 or al	
	Fish Health Inspectorate? If no, FHI see comment.	N/A
9. Is <i>C. elongatus</i> infestation at a leve	I which is considered to cause significant welfare proble	ms? (CoGP 4.3.81, 5.3.50) N
•	administered or other actions taken when <i>L. salmonis leve C. elongatus</i> is considered to have welfare implication	
11. Has any other action been taken (v	where applicable)?	N/A
12. Have therapeutic treatments or the	actions taken had a significant impact upon the lice lev	els recorded?
	carried out in cooperation between participating farms? he site, where fewer populations or part populations are	held without treatment for Y
	nanagement procedure with waypoints describing set act act act act act act act act act ac	ctions to deal with recognised Y
16. Does the stock on site appear satis	sfactory in relation to sea lice level and sea lice count da	ata? If no please detail
	damage due to predators in the current or previous pro	
 Are measures in place to mitigate again. A.D.D., Seal Blinds, Tensioned Net 	gainst the predation experienced on site? (Detail below)	Y
If other, detail below:	is, Top Nets	
il Other, detail below.		
 Have escape incidents or events be Yes proceed with questions 4 – 9. If Have these been reported to Scottis 		last FHI inspection?
	SFB forthwith (where they exist)? (CoGP - 4.4.37, 5.4. PO and local fisheries trusts forthwith (where they exist)	
7. Were methods (if any) used to reco	ver escapees? If yes give detail	
8. If all nots were deployed was this a	ction agreed with local wild fish interests and was permis	ssion given by Scottish
Ministers? (Legal, CoGP – 4.4.38, 5.4.		Scion given by Scottism
9. What action was taken to prevent a	nd minimise the risk of further escapes? (Not covered in	code but could
be considered under satisfactory n	· · · · · · · · · · · · · · · · · · ·	
10. Is the site inspected as satisfactory	with regards to containment? If no, please detail reaso	n(s) Y

Date of issue: 12/09/2017

FHI 059, Version 11	Issued by: FHI	Date of issue: 12/09/2017
Case No: 2018-0110	Site No: FS0796	
Date of Visit: 28/03/2018	Inspector: ALW	
Point of Compliance		
1. Is the farm under inspection located value of N, no further questions require complete.		Y
	Management Agreements and Statements	
3. Is the current FMAg/S available for in4. Does the FMAg/S identify the relevan5. Does the FMAg/S identify the fish far	nt farm management area? m site(s) to which it applies? commencement of the agreement or stateme	Y Y Y
Arrangements for Fish Health Manag	ement	
farm? 9. Does the FMAg/S identify the vaccina 10. Does the FMAg/S identify the specie 11. Does the FMAg/S identify the maxin individual farm?	ation requirements for stocks held in the area of the stocks held in the area of the stocked into the area of the stocking density of any pen on any farm in the storage and disposal of any determ?	or farm? Y or farm? Y in the area or the
Arrangements for The Management of	of Sea Lice	
13. Does the FMAg/S identify arrangem	ents for the sharing of data on sea lice number	ers and treatments?
of statement? 15. Does the FMAg/S identify any requirelice on farms in the area or individual far 16. Does the FMAg/S identify the circumused on farms in the area or individual far	nstances under which biological controls and o	treatments for sea Y cleaner fish are to be
Live Fish Movements		
area or farm?	nstances when live fish may be introduced or gements for the movement of live fish on and	<u> </u>

FHI 059, Version 11	Issued by: FHI	Date of issue: 12/09/2017
Harvesting		
20. Does the FMAg/S identify acceptab	le harvest practices on farms in the area or individ	dual farms?
Fallowing		
21. Does the FMAg/S identify the dates date when a farm or area may be resto	by which the area or individual farm will be fallow cked?	and the earliest Y
22. Does the FMAg/S identify whether agreement or statement?	one or more year classes may be stocked onto site	es covered by the Y
23. Does the FMAg/S identify whether be covered by the agreement or statement	proodstock or potential broodstock are to be kept of the second to the s	on any site Y
Point of Compliance for Farm Manag	gement Agreements Only	
24. Does the farm management agreer parties to the agreement?	ment include arrangements for persons to become	e, or cease to be,
Management and operation		
25. Is the fish farm being managed and	I operated in accordance with the agreement or sta	atement?
26. What is the version no/date of issue	e of the FMAg/S? Spring 2017	

Site No: FS0796

Case No: 2018-0110

Nature of non-compliance:

Action taken (FHI):

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

Case No:	2018-0110			Date of visit: 28/03/2018							
Site No:	FS0796	1		Inspector:	ALW]					
Results Summary	Freq.			Da	Date of Notification						
Í	·	Database	Insp	Phone	Insp	Writing	Insp	2 nd Insp			
	<u> </u>										
	+										
	†										
	1										
	<u> </u>										
	<u> </u>										
	+										
Report Summary				1							
Case Type	Date	Insp	2 nd Insp	1							
Case Type ECI/CNI/SLI/VMD	04/04/2018	ALW	ASM								
				1							
	_										
	 										
			1								





The Scottish Salmon Company 1 Smithy Lane Lochgilphead Argyll PA31 8TA

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

Business NoFB0169Date of Visit27/03/2018Site NoFS0796Site NameTreanayInspectorAndrea WarwickCase No20180110

Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

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

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

Records

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

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

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

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

Mortality records were inspected and found to be adequately maintained.

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

R25

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

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

Inspection under the Animals and Animal Products (Examination for Residues and Maximum Residue Limits) (England and Scotland) Regulations 2013

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.



The Fish Health Inspectorate Service Charter detailing standards of service is available on the Marine Scotland website at www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter

FHI 059, Version 11	Issu	ied by: FHI	Date of issue: 12/09/2017				
Case No: 2018-0111			Date of visit: 28/03/2018				
Time spent on site:	5 hours	Main Inspec	tor: ALW				
Site No: FS1083 Business No: FB0119	Site Name: Business Name:	Groatay Marine Harvest (Scotland) Ltd	d				
Case Types: 1 ECI	2 CNI 3 SLI	4VMD 5 DIA	6				
Water Temp (°C): 7.2	Thermometer No:	T148	FHI 045 completed				
Observations:	Region: WI	Water type: S	CoGP MA: W-11				
Dead/weak/abnormally behaving Clinical signs of disease observed? Gross pathology observed? Diagnostic samples taken?	· ·	Y If yes, see additional information/clinical score sheet. Y If yes, see additional information/clinical score sheet. Y If yes, see additional information/clinical score sheet. Y					
UNI/REG only - if unable to car	ry out intended visit detail rea	ason below:					

Additional Case Information:

Pasteurella skyensis diagnosed on site in December 2017. Mortalities increased post hydrogen peroxide treatment for AGD at end of November and initially thought that increase was related to treatment. Samples indicated that it was at early stage of infection with no chronic signs and decision made to actively remove mortalities to lower infection pressure and not treat with antibiotics. Using ROV to ensure all mortalities are removed.

Mortality levels have been higher at Groatay than at Grey Horse Channel, losing 4.583% since start of December (December - 9,639, January - 8,056, February - 4,185 and March (to date) - 5,033).

Site has had an issue with severe AGD last year and have had several hydrogen peroxide treatments (September, October and twice in November 2017).

Lice levels have been low. Site had a strategic treatment with Slice in August 2017 and currently being treated with Slice again. Locally wild caught wrasse input onto site last year and delivery of lumpsuckers arrived at shorebase during inspection. These will be held in a separate cage as salmon are due to be thinned out into more cages next week.

Site has had issue with seal predation recently, particularly in cage 23.

Visibility good, but fish feeding very deep in water. Used sweep net to catch fish for VMD samples. A number of lethargic fish were seen on the site and removed for diagnostic sampling. All fish sampled for VMD appeared healthy.

FHI 059, Version 11			Issu	ued by: FHI			Date of issue	e: 12/09/2017
Case No:	2018-0111		Site No:	FS1083	3			
Date of Visit:		28/03/20	18		Inspector(s):	: ALW]
Registration/Autho 1. Business/site deta 2. Changes made to	ails summary		y site representa	ative?			Y Y	
Site Details								
Total No facilities		14	Facilities sto	ocked	6	No facilities	s inspected	14
Species	SAL	WRS						
Age group	2017 Q3	Adult						
No Fish	522,801	20,013						
Mean Fish Wt	1.5kg	various						
Next Fallow Date (S	ite)	Dec 2018		Next Input Da	ate (Site)	Q2 2019		
Recent (last 4 wks)	disease pro	hlams?		Y	Y Any escapes	c (since last)	vicit)?	N
,	Pasteurella				Ally Goodpoo	(Sillot last .	/151():	IN
•		ORYGNO						
Movement Records								
1. Movement record		or inspection	1?				1112/2240	Y
2. Date of last inspec		d valers					11/10/2016	V
 Are records comp Are movement records 		•						Y
4. Are movement red5. Are records comp								Y
6. Are health certifications		•		able?				N/A
Transport Records		Jadollo III (twiti 55, 5.	doic .				
				, ,	277/0			V
1. Are any movemen					-			1
If yes, is there a syst	iem in piace	for maintena	ance of transpor	rtation records	<i>'</i>			<u> </u>
Mortality Records								
1. Mortality records a		•						Y
2. How are mortalitie					Other (detail))		
If other detail:		Whiteshore C						
3. Mortality records of	•	•		12	" 10		50	Y
4. Recent mortality (`			928, w/b $5/3 = 7$	1622, w/b 12/	3 = 1744, w	ı/b 19/3 = 569	
5. Evidence of recen		• •						Y
If yes, facility nos/no	, ,							
Cage 23 due to seal				00 fish over 8 d	lay period), iss	sue resolved		•
6. Any other peaks in				· / · · · · · · · · · · ·	100.700/) / · · · · · · · · · · · · · · · · · ·	011/05	Y Y
			ed during Decen	, –				•
If yes, detail:	attributed it	5 Infection wi	rith Pasteurella s	skyensis. Have	10St 4.55 /0 Sii	ice start or L	Jecember (27	1,822).
7. Have increased (u	inexplained) mortalities	been reported to	o vet or FHI?				Y
If yes, detail action:			of mortalities, bu		ow level so de	cided not to	treat with ant	
8. Have 'mortality ev	ents' been r							N/A

FHI 059, Version 11	Issued by: FHI	Date of issue: 12/09/2017
Treatments and Medicines Records		
1. Recent treatments (last 4 wks)?		Y

Treatments and Me	edicines Records	
1. Recent treatments	ts (last 4 wks)?	Y
If yes, detail:	Slice	
If other, detail:		
2. Medicines records	s available for inspection?	Y
3. Are records comp	plete and correctly entered?	Y
4. Are fish in a withd	drawal period?	Y
5. If yes, what treatm	ment(s)?	
If other, detail:		
6. Are medicines sto	ored appropriately?	Y
Biosecurity Record	ds	
· · · · · · · · · · · · · · · · · · ·	ds available for inspection?	Y
	and frequency of mortality removal, recording and safe disposal been considered?	Y
	and period in which the APB will notify Scottish Ministers or veterinary professional of any	
increased (unexplain	ined) mortality at the site been included?	Y
4. Has the action tha	at will be taken in the event that the presence or suspicion of the presence of a listed disease	e Y
is detected been incl	cluded and how and when that will be notified to Scottish Ministers?	
5. Has the health stathed health status, certification	atus of aquaculture animals being stocked on the farm site been covered (equal or higher	Y
ricalii status, cortino		
	dry and biosecurity measures implemented between each epidemiological unit to minimise	Y
	ease been covered (movement of staff, visitors, equipment, live or dead fish etc.)?	
	available regarding the measures in place to maintain the physical containment of	Y
aquaculture animals		
If no, detail:	urity procedures been adequately implemented on site?	Т
ii iio, detaii.		
Results of Surveilla	ance	
1. Has any animal he	nealth surveillance been carried out by, or on behalf of, the business?	Y
-	available for inspection?	Y
3. Any significant res	sults?	Y
, ,	detailed under recent disease problems).	

Records checked between: 11/10/16 - 28/3/18

Г	al 059, version i i		155ueu by. Ffii										
	Case no:	2018-01	111	Site No:		FS1083			Date of Sampling		28/0	03/2018	28/0
	Priority samples:	VI		ВА		PA		MG	-	g. HI			
	Time sampling starts/ends:	14:2	0:00	15:0	0:00		Inspecto	or:	ALW		VMD No	о.	24
	Environmental conditions:	1	Indoors	2		3		4		5			
	Summary samples	HIST	Υ	ВА	Υ	MG	Υ	VI	Υ	PA		Total Sa	mples
A	dd Fish/Pools - click												
	Pool/Fish No	F1	F2	F3	F4	P1							
	Fish nos	1	2	3	4	1-4	5	6	7	8	9		
	Pool Group	P1	P1	P1	P1								
	Species	SAL		SAL	SAL	SAL	SAL	SAL	SAL	SAL	SAL		
	Average weight	1.5000	1.5000	1.5000	1.5000	1.5000				1.5000			
	Sex	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
	Water Type	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW		
		U	O	O	O	O	O	O	O	O	U		
		ochailort Recirc Jnit	Lochailort Recirc Unit	ochailort Recirc Jnit	Lochailort Recirc Unit	Lochailort Recirc Unit	Lochailort Recirc Unit	ochailort Recirc Jnit	Lochailort Recirc Unit	ochailort Recirc Jnit	Lochailort Recirc Unit		
		Re	Re	Re	Re	Re	Re	Re	Re	Re	Re		
Details		ort	ort	ort	ort	ort	ort	ort	ort	ort	ort		
)et		nail	nail	nail	nail	nail	nail	nail	nail	nail	Jail		
		Loch Unit	Loch Unit	Loch Unit	oct 'nit	Loch Unit	ock 'nit	Lock Unit	Loch Unit	Loch Unit	Loch Unit		
Stock	Stock Origin Facility No	<u>ゴコ</u> 27	<u>ゴコ</u> 27	<u>ゴコ</u> 34		<u> </u>		i_⊃ 23	<u> </u>	<u>ゴコ</u> 34	34		
S)	III dollity 140	Z 1	Z1	J 4	23		23	23	J 4	J 4	J 4		

03/2018 Additional Sample Information:													
Individual kidney in dry tube for swabbing on blood agar plates at lab (F1-4). MG storage - individual kidney (F1-4). BAS other - heart													
5 Total Tests assigned 8													

FHI 059, Version 11 Issued by: FHI Date of issue: 12/09/2017

Case no: 2018-0111 Site No: ES1083 Method of killing: Porcussive

Case no:	2018-0111	Site No:		FS1083 Method of killing: Percussive			sive				
Date of visit:	28/03/2018		Inspec	tor(s):	ALW			s	heet Re	elevant:	Υ
S for strong present	ce: M for medium presence: W for v	veak pres	ence					•		•	
Fish Number	be. III for mediam presence. II for v	1 1	2	3	4						
	r death (if > 45 minutes)	100m									
External Signs	i death (ii > 45 inilidies)	100111	I	I	I						
	Marihund										
Behaviour	Moribund	N/I	M	M	М						
	Lethargic	М	IVI	IVI	IVI						
	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	S	S	S	S						
	Elsewhere										
Vent	Inflamed										
	Trailing faeces										
Lice Load	Estimate numbers										
2100 Zoda											
Internal Signs											
Ascites	Clear		M								
Addited	Bloody										
Oedema	In tissues										
Heart	Pale/anaemic										
rieart	Granulomas										
	Deformed										
Liver	Petechial haem										
Livei	Gross haem										
	Tissue breakdown										
	Enlarged	4	5	3	3						
	Colour number(s)	4	3	3	3						
	Granulomas										
Data de la casa de	Lesions										
Pyloric caeca	Petechial haem										
	Tubules mauve										
	Lack of fat										
Spleen	Enlarged										
2 1	Granulomas			c							
Gut	No food present		C	S	S						
	Yellow pseudo-faeces		S								
	External haem										
	Internal haem										
Body wall	Haemorrhaging										
Swim bladder	Haemorrhaging										
	Fluid filled										
Kidney	Swollen										
	Grey				M						
	Granular										
	Liquefied										
General	Parasites present										
	Anaemia										

Case no: 2018-0111

Date of visit: 28/03/2018

Date of visit:	28/03/2018								
S for strong prese	nce: M for medium presence: W for	١٨							
Fish Number	ice. In for mediam presence. W for	VI	1	1	l I		l I	1	
	er death (if > 45 minutes)								
External Signs	er death (if > 45 initiates)								
Behaviour	Moribund								
Dellavioui	Lethargic								
	Hanging vertical								
	Spiralling								
	Flashing								
	Loss of equilibrium								
Body	Dark								
Douy	Distended abdomen								
	Anorexic								
	Scale Oedema								
Opercula	Shortened								
- p	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								
Dyloric cases	Lesions Petechial haem								
Pyloric caeca	Tubules mauve								
	Lack of fat								
Spleen	Enlarged								
opieen	Granulomas								
Gut	No food present								
Gut	Yellow pseudo-faeces								
	External haem								
	Internal haem								
Body wall	Haemorrhaging								
Swim bladder	Haemorrhaging								
J.IIII SIGGGE	Fluid filled								
Kidney	Swollen								
	Grey								
	Granular								
	Liquefied								
General	Parasites present								
-0.10.ui	Anaemia								
	/ illustriilu								

Date of Visit	FHI 059, Version 11		Issued by: FHI			Date	of issue	: 12/09/2017
Live fish movements Common	Case Number:	2018-0111		Site No:	FS1083		Insp:	ALW
Requency of movements on from equivalent MS 0 5 10 14 14 14 14 15 15 15 15	Date of Visit	28/03/2018		No of m	ovements/s	supp./dest.		Score
Frequency of movements on from equivalent zone or compartment including third country	Live fish movements			0	1-5	6-10	>10	
Species Compartment including third country 0 9 18 25 0 0 0 10 14 0 0 0 1 14 0 0 0 1 14 0 0 0 1 15 0 0 0 1 15 0 0 0 1 15 0 0 0 1 15 0 0 0 0 0 0 0 0 0		Frequency of m	novements on from equivalent MS	0	5	10	14	0
Number of suppliers					0	40	00	
Movements off	species							0
Number of destinations								
Site contacts with other contacts with other farm is protected (secure water supply through disinfection or borehole)	Movements off							10
Water contacts with other farms (holding species susceptible to same diseases) Farm is protected (secure water supply through disinfection or borehole) O	Exposure via water	Number of des					10	
		Farm is protect		,	I-3	0-10		
farms upstream or within 1 tidal excursion 1	farms (holding species			0				0
Farm is on-line or in a coastal zone with category III farms upstream or within 1 tidal excursion Farm is on-line or in a coastal zone with category V farms upstream or within 1 tidal excursion Management practices Water contacts with processing plant discharging into adjacent waters processors On farm processing within the rules of the directive Processing dish from MS of equivalent status Processing fish from Sof equivalent status Processing fish from Category U farm Processing fish from Category III farm Processing fish from Category III farm Processing fish from Category V farm On Disposal of fish and fish by-products Common processes with other farms Collection point for waste from other farms Collection point for waste from other farms Solecurity Common processes with other farms Solecurity Contacts with other sites Sites operating from single shorebase On the sites of the directive on the farms Disinfection of equipment between sites, use of No No No No No No No No No No No No No N				1	0	4		
farms upstream or within 1 tidal excursion	uiseases)			1	2	4		
Management practices				1	3	6		0
Management practices Water contacts with processors Water contacts with processors Any processing plant discharging into adjacent waters processors On farm processing within the rules of the directive Processing fish from Zone or compartment of equivalent status Processing fish from Zone or compartment of equivalent status Processing fish from Category III farm 8 Processing fish from Category V farm 10 Disposal of fish and fish byproducts Disposal of fish and fish byproducts One Tomon processes with other farms 3 Collection point for waste from other farms 5 5 Use of unpasteurised feeds No feeding of unpasteurised feed 5 5 Biosecurity Number of sites 1 2 or 3 ≥ 4 Contacts with other sites Sites operating from single shorebase 0 1 2 2 1 1 Disinfection of equipment between sites, use of footbaths etc			0 ,					
Water contacts with processors		farms upstream	or within 1 tidal excursion	1	4	8		0
Disposal of fish and fish by products Site's own waste only processed. Common processes with other farms Site's operating from single shorebase O Disposal of equipment between sites, use of footbaths etc O O O O O O O O O	Management practices			None	Secure	Unsecure		
On farm processing within the rules of the directive 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 byproducts Site's own waste only processed. 0 Common processes with other farms 3 Collection point for waste from other farms 5 Use of unpasteurised feeds No feeding of unpasteurised feed 0 Feeding unpasteurised 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 staff and equipment 0 1 2 2 Disinfection of equipment between sites, use of tootbaths etc No No 1 CodP/Regulator Practices in accordance with regulator or industry code of practice Yes No 2 Platform access to cages Yes 0 No 2 Total 20		Any processing	plant discharging into adjacent waters		1	2		0
the rules of the directive	1	la c		"	<u>'</u>	2		
Processing fish from MS of equivalent status 2 2 0 0 0 0 0 0 0 0				0				0
Processing fish from zone or compartment of equivalent status Processing fish from Category III farm Processing fish from Category V farm Processing fish from Category V farm Disposal of fish and fish by-products Site's own waste only processed. Common processes with other farms Collection point for waste from other farms Collection point for waste from other farms Collection point for waste from other farms Collection point for waste from other farms Disposal of fish and fish by-products No feeding of unpasteurised feed Feeding unpasteurised feed Disposal of fish and fish by-processed. Disposal of		Processing own	n fish (re-cycling risk)	1				0
equivalent status		Processing fish	from MS of equivalent status	2				0
Processing fish from Category V farm				1				
Processing fish from Category V farm 10 0 0				4				
Disposal of fish and fish by-products Common processes with other farms Collection point for waste from other farms Collection point for waste from other farms Collection point for waste from other farms Disposal of fish and fish by-products Collection point for waste from other farms Collection point for waste from other farms Collection point for waste from other farms Disposal of fish and fish by-products with other farms Collection point for waste from			* *					0
Disinfection of equipment between sites, use of footbaths etc Ves No No No No No No No N	D: 1 (C) 1 (C) 1			1]			
Common processes with other farms 3			* *	0				0
Use of unpasteurised feeds				3				3
Feeding unpasteurised feed 5		Collection poin	t for waste from other farms	5]			0
Biosecurity	Use of unpasteurised feeds	No feeding of u	npasteurised feed	0				0
Contacts with other sites		Feeding unpas	teurised feed	5				0
Sites sharing staff and equipment 0 1 2 1 Disinfection of equipment between sites, use of footbaths etc 0 0 CoGP/Regulator Practices in accordance with regulator or industry code of practice No 3 Platform access to cages Yes 0 0 No 2 Total 2 1 1 1 1 1 1 1 1 1 1 1 1 1	_			1	2 or 3	≥ 4		
Disinfection of equipment between sites, use of footbaths etc No 1 CoGP/Regulator Practices in accordance with regulator or industry code of practice Platform access to cages Yes No 3 Platform access to cages Yes No Total O Total	Contacts with other sites	Sites operating	from single shorebase	0	1	2		1
between sites, use of footbaths etc No No 1 CoGP/Regulator Practices in accordance with regulator or industry code of practice Platform access to cages Yes No O Total O Total		Sites sharing s	taff and equipment	0	1	2		1
CoGP/Regulator		Yes		0				0
CoGP/Regulator Practices in accordance with regulator or industry code of practice Yes 0 No 3 Platform access to cages Yes 0 No 2 Total 20		No		1				0
Practices in accordance with regulator or industry code of practice Yes 0 No 3 Platform access to cages Yes 0 No 2 Total					J			
with regulator or industry code of practice No Platform access to cages Yes No Total Total	Practices in accordance	Yes		0				0
Platform access to cages Yes 0 0 0 0 Total 20	•	No		3				0
No 2 Total 20	·				1			
Total 20	Platform access to cages			0				0
		No		2				0
Rank MEDIUM						Total		20
						Rank		MEDIUM

FHI 059, Version 11		Issued	by: FHI	Date of iss	sue: 12/09/2
Case No: 20	18-0111		Site No:	FS1083	
Sea Lice Inspection (Sea 1. Has the site experienced		in the previous 4 years	;?		N
2. Is the CoGP Farm Mana	·			ear class basis?	Y
3. Does the site have acce azamethiphos and emame can these be deployed in a 4. Is there a signed docum	ss to a range of lice ctin benzoate) as vareasonable period ented farm manage	enced in-feed and bath well as access to suitab of time?	sea lice medications (in le biological and/or med	cluding deltamethrin, hanical control measures, and	Y
Management Area (or equi	•		05.4		
5. Are sea lice count record	•		·	and COL CoOD Annoy ()	Y
6. Do records adequately r	ellect the required s	standard specified in th	e SSI and the CoGP? (L	egai SSI, CoGP Annex 6)	Υ
7. Are sea lice (<i>L. salmonis</i> records are inspected? (C		ow the suggested criter	ia for treatment in the C	oGP during the period that	Υ
records are inspected?				above during the period that	N
If yes, have these been rep		·			N/A
9. Is <i>C. elongatu</i> s infestation	on at a level which i	is considered to cause	significant welfare probl	ems? (CoGP 4.3.81, 5.3.50)	N
10. Have therapeutic treatr suggested criteria for treatr				levels have exceeded the ions? (CoGP 4.3.82, 5.3.51)	N/A
11. Has any other action be	een taken (where a	pplicable)?			N/A
12. Have therapeutic treatr	ments or the actions	s taken had a significar	t impact upon the lice le	vels recorded?	Υ
13. Are treatments, where14. Is there a harvesting stsea lice?		·	· · · · · · · · ·	? e held without treatment for	Y Y
			aypoints describing set a	actions to deal with recognised	Y
16. Does the stock on site reasons.	appear satisfactory	in relation to sea lice le	evel and sea lice count of	data? If no please detail	Υ
Containment Inspection 1. Has the site experienced	d equipment damag	e due to predators in t	ne current or previous pr	roduction cycles?	N
2. Are measures in place to					Υ
M.M.L., Seal Blinds, Ten			·	,	
If other, detail below:					
HDP nets					INI
Have escape incidents of the second incidents of the second incidents.	•		cinity of the site since th	e last FHI inspection?	N
4. Have these been reporte	ed to Scottish Minis	ters?			
5. Have these been reporte	ed to local DSFB for	rthwith (where they exis	st)? (CoGP – 4.4.37, 5.4	1.17)	
6. Have these been reporte	ed to the SSPO and	local fisheries trusts for	orthwith (where they exis	et)? (CoGP – 4.4.37, 5.4.17)	
7. Were methods (if any) u	sed to recover esca	apees? If yes give deta	il		
8. If gill nets were deployed	d was this action ag	reed with local wild fish	n interests and was perm	nission given by Scottish	
Ministers? (Legal, CoGP –	4.4.38, 5.4.18)		·		
9. What action was taken t	•		escapes? (Not covered i	n code but could	
be considered under sa	•	· ·	If no please data!!	00(0)	V
10. Is the site inspected as	satisfactory with re	gards to containment?	ii no, piease detail reas	UII(S)	Y

Date of issue: 12/09/2017

FHI 059, Version 11	Issued by: FHI	Date of issue: 12/09/2017
Case No: 2018-0111	Site No: FS1083	
Date of Visit: 28/03/2018	Inspector: ALW	
Point of Compliance		
1. Is the farm under inspection located If N, no further questions require comp	_	Y
Points of Compliance for Both Farm	Management Agreements and Statements	
3. Is the current FMAg/S available for it4. Does the FMAg/S identify the releva5. Does the FMAg/S identify the fish fa	nt farm management area? rm site(s) to which it applies? f commencement of the agreement or statemer	Y Y Y
Arrangements for Fish Health Manag	gement	
farm? 9. Does the FMAg/S identify the vaccin 10. Does the FMAg/S identify the speci 11. Does the FMAg/S identify the maxis individual farm? 12. Does the FMAg/S identify the arran fish farm in the area or the individual farm. Arrangements for The Management		or farm? Y Y n the area or the Padd fish from any Y
of statement? 15. Does the FMAg/S identify any require on farms in the area or individual factorists. Does the FMAg/S identify the circulated on farms in the area or individual	mstances under which biological controls and c	reatments for sea Y leaner fish are to be
Live Fish Movements		
area or farm?	mstances when live fish may be introduced or rengements for the movement of live fish on and o	

FHI 059, Version 11	Issued by: FHI	Date of issue: 12/09/20
Harvesting		
20. Does the FMAg/S identify acceptable	e harvest practices on farms in the area or individ	dual farms?
Fallowing		
21. Does the FMAg/S identify the dates date when a farm or area may be restoo	by which the area or individual farm will be fallow ked?	and the earliest Y
22. Does the FMAg/S identify whether of agreement or statement?	ne or more year classes may be stocked onto site	es covered by the Y
23. Does the FMAg/S identify whether b covered by the agreement or statement?	roodstock or potential broodstock are to be kept on ?	on any site
Point of Compliance for Farm Manage	ement Agreements Only	
24. Does the farm management agreem parties to the agreement?	nent include arrangements for persons to become	e, or cease to be, N/A
Management and operation		
25. Is the fish farm being managed and	operated in accordance with the agreement or sta	atement?
26. What is the version no/date of issue	of the FMAg/S? 2017 Q3	

Site No: FS1083

Case No: 2018-0111

Nature of non-compliance:

Action taken (FHI):

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

Case No: Date of visit: 28/03/2018

Site No: FS1083 Inspector: ALW

Results Summary	Freq.			Da	te of Notificat	tion		
		Database	Insp	Phone	Insp	Writing	Insp	2 nd Insp
IPN PCR	0/1	05/04/2018	ALW	09/04/2018	ALW	18/04/2018	ALW	DJT
ISA PCR	0/1	05/04/2018	ALW	09/04/2018	ALW	18/04/2018	ALW	DJT
IHN PCR	0/1	05/04/2018	ALW	09/04/2018	ALW	18/04/2018	ALW	DJT
SAV PCR	0/1	05/04/2018	ALW	09/04/2018	ALW	18/04/2018	ALW	DJT
VHS PCR	0/1	05/04/2018	ALW	09/04/2018	ALW	18/04/2018		DJT
AGD PCR	0/4	05/04/2018	ALW	09/04/2018	ALW	18/04/2018	ALW	DJT
Para Ther PCR	2/4	05/04/2018	ALW	09/04/2018	ALW	18/04/2018	ALW	DJT
Sal Pox PCR	0/4	05/04/2018	ALW	09/04/2018	ALW	18/04/2018	ALW	DJT
Adhesions	1/4	10/04/2018	ALW	12/04/2018	ALW	18/04/2018	ALW	DJT
Gill pathology	4/4	10/04/2018	ALW	12/04/2018	ALW	18/04/2018	ALW	DJT
Liver pathology	3/4	10/04/2018	ALW	12/04/2018	ALW	18/04/2018	ALW	DJT
Skin pathology	4/4	10/04/2018	ALW	12/04/2018	ALW	18/04/2018	ALW	DJT
Unidentified bacteria	4/4	10/04/2018	ALW	12/04/2018	ALW		ALW	DJT
(histology)						18/04/2018		
Epitheliocystis	1/4	10/04/2018	ALW	12/04/2018	ALW	18/04/2018		DJT
Vibrio spp (Bact)	4/4	12/04/2018	ALW	12/04/2018	ALW	18/04/2018	ALW	DJT
Moritella viscosa	2/4	12/04/2018	ALW	12/04/2018	ALW	18/04/2018	ALW	DJT
Unidentified significant	4/4	12/04/2018	ALW	12/04/2018	ALW		ALW	DJT
bacteria						18/04/2018		
non significant bacteria	1/4	12/04/2018	ALW	12/04/2018	ALW		ALW	DJT
						18/04/2018		

Report Summary			
Case Type	Date	Insp	2 nd Insp
ECI/CNI/SLI/VMD	04/04/2018		ASM
DIA	18/04/2018	ALW	DJT





Marine Harvest (Scotland) Ltd Stob Ban House Glen Nevis Business Park Fort William PH33 6RX

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

Business NoFB0119Date of Visit28/03/2018Site NoFS1083Site NameGroatayInspectorAndrea WarwickCase No20180111

Section 1: Summary

During a routine inspection of the above site, four lethargic fish with lesions were observed. The fish were removed for further examination and subsequent diagnostic sampling.

Histopathology examination revealed skin lesions with high numbers of mixed bacteria and mild skeletal muscle necrosis which may be associated with predation or other physical damage. In addition, mild gill hyperplasia and some circulatory disturbances were also observed by histopathology examination. One fish showed marked hepatic necrosis.

Moritella viscosa and a Vibrio spp. were isolated by bacteriology. The level and purity of growth are not consistent with these bacteria being a primary cause of morbidity.

Due to gill health issues reported on site, samples were screened by QPCR for *Paranucleospora* theridion (syn, *Desmozoon lepeophtherii*) which tested positive.

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

During a routine inspection, four lethargic fish were observed. The site was stocked with 522,801 2017 Q3 Atlantic salmon at 1.5kg average weight and ~20,000 mixed wrasse species.

Amoebic gill disease (AGD) had been diagnosed on the site in autumn 2017 and several treatments had been carried out. Following a treatment in late November 2017, mortality levels

R09

had risen in December and health surveillance carried out by the business reported infection with *Pasteurella skyensis*. From the start of December 2017 through to March 2018, there had been a total mortality of 4.58%. Mortality levels had decreased over this period although there had been an increase in March due to seal predation affecting a single cage accounting for ~30% of mortalities that month.

The four lethargic fish were removed for further examination and subsequent diagnostic sampling. All of the fish had severe lesions with the lesions on fish 1 and 4 appearing to be caused by seal damage.

Internally there was clear ascites in fish 2 along with yellow pseudo-faeces in the gut. Fish 3 and 4 had no food present in their guts and the kidney of fish 4 was grey.

Samples

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

Fish number	Pool number	Facility number	Species	Stage	Origin
1 & 2	P1	27	Atlantic salmon	2017 Q3 at 1.5kg	Lochailort Recirc Unit
3	P1	34	Atlantic salmon	2017 Q3 at 1.5kg	Lochailort Recirc Unit
4	P1	23	Atlantic salmon	2017 Q3 at 1.5kg	Lochailort Recirc Unit

Results

Bacteriology: Kidney, gill and lesion material from fish 1-4 was inoculated onto appropriate media for the isolation of bacteria.

The following bacteria were isolated:

Moritella viscosa (kidney and lesion of fish 1, kidney of fish 2)

Vibrio sp. (kidney of fish 1-4, lesion of fish 1, 3 and 4)

The level and purity of growth are not consistent with these bacteria being a primary cause of morbidity.

A further prevalent bacterium was observed on plates which did not match the characteristics of a known fish pathogen and is likely to be of environmental origin.

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), salmon gill poxvirus (SGPV), salmonid alphavirus (SAV) and viral haemorrhagic septicemia virus (VHSV).

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

Paranucleospora theridion

Fish Number	Endogenous control Cp value		Cp Values					
F1	22.13	33.10	32.94	32.94	POSITIVE			
F2	23.19	>40.00	>40.00	>40.00	POSITIVE			
F3	-	-	-	-	Negative			
F4	-	-	-	-	Negative			

The samples tested negative for Neoparamoeba perurans (AGD).

Histology: Tissue samples of gill, skin and skeletal muscle, heart, pyloric caeca, pancreas, hind gut, liver, spleen and kidney were taken from fish 1-4.

Histopathological examination revealed the following:

<u>Gill:</u> Small foci of interlamellar hyperplasia, epithelial hypertrophy and few cells with fragmented nuclei (F1, F2), some chloride cells displacement (F2). F4 showed one gill filament with interlamellar hyperplasia and lamellar fusion, few scattered lamellar thrombi and several basophilic epithelial inclusions (likely epitheliocystis). Mild lamellar congestion and presence of aneurysmal dilation/telangiectasia noted in all fish. Generalized epithelial lifting noted in F1 and F2 but likely associated with post-mortem artefact.

Skin & Muscle: Lesions showed absence of epidermal layer, dermal oedema with high numbers of mixed bacteria which were also noted on the skeletal muscle (F1-F4) and skeletal muscle necrosis with mild haemorrhage and mild leukocyte cell infiltration (F2-F4).

Heart: Within normal range.

<u>Gut and pyloric caeca</u>: Adipose tissue showed some fibrous adhesions likely associated with vaccine administration (F2), some to moderate cell sloughing (F1-F2) (likely associated with postmortem artefact).

Pancreas: Within the normal range.

<u>Liver</u>: Some capillary congestion (F1-F2), scattered hepatocyte degeneration and apoptotic cells (F2) and marked multifocal coalescence necrosis noted in F4.

<u>Kidney</u>: Few renal tubules with dilated lumen (F2-F3).

Spleen: Slightly congested (F2).

Signed:

Fish Health Inspector

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Marine Scotland website at www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter

Date: 18/04/2018





Marine Harvest (Scotland) Ltd Stob Ban House Glen Nevis Business Park Fort William PH33 6RX

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

Business NoFB0119Date of Visit28/03/2018Site NoFS1083Site NameGroatayInspectorAndrea WarwickCase No20180111

Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

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

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

Records

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

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

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

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

Mortality records were inspected and found to be adequately maintained.

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

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

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

Inspection under the Animals and Animal Products (Examination for Residues and Maximum Residue Limits) (England and Scotland) Regulations 2013

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.



The Fish Health Inspectorate Service Charter detailing standards of service is available on the Marine Scotland website at www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter

FHI 059, Version 11		Issued by: FHI	Date of issue: 12/09/2017			
Case No: 2018-0112			Date of visit: 28/03/2018			
Time spent on site:	5 hours	Main	Inspector: ALW			
Site No: FS1122 Business No: FB0119	Site Name: Business Name:	Grey Horse Channel Marine Harvest (Scotl	land) Ltd			
Case Types: 1 ECI	2 CNI 3 SLI	4 VMD 5 D	1A 6			
Water Temp (°C): 7.2	Thermometer No:	T148	FHI 045 completed			
Observations:	Region: WI	Water type: S	CoGP MA: W-11			
Dead/weak/abnormally behaving fish present? Clinical signs of disease observed? Gross pathology observed? Diagnostic samples taken? If yes, see additional information/clinical score sheet. Y If yes, see additional information/clinical score sheet. Y If yes, see additional information/clinical score sheet. Y						
UNI/REG only - if unable to car	ry out intended visit detai	I reason below:				

Additional Case Information:

Pasteurella skyensis diagnosed on site in December 2017. Mortalities increased post hydrogen peroxide treatment for AGD at end of November and initially thought that increase was related to treatment. Samples indicated that it was at early stage of infection with no chronic signs and decision made to actively remove mortalities to lower infection pressure and not treat with antibiotics. Using ROV to ensure all mortalities are removed.

Mortality levels have been lower at Grey Horse Channel than at Groatay, losing 2.48% since start of December (December - 8,183, January - 4,147, February - 1,980 and March (to date) - 1,793).

Site has had an issue with severe AGD last year and have had several hydrogen peroxide treatments (September, October and twice in November 2017).

Lice levels have been very low (lowest in company). Site had a strategic treatment with Slice in August 2017 and lice skirts in place. Locally wild caught wrasse input onto site last year and delivery of lumpsuckers arrived on Saturday from Dorset Cleaner fish. These are being held in a separate cage as salmon are due to be thinned out into more cages next week. New site Outer Grey Horse Channel will be stocked next spring. Sites moving from Q3/Q4 to Q2 input.

Visibility good, but fish feeding very deep in water. Used sweep net to catch fish for VMD samples. A number of lethargic fish were seen on the site and removed for diagnostic sampling. One fish (pen 14) had haemorrhaging over liver, pyloric caeca and swim bladder (see attached photos). All fish sampled for VMD appeared healthy.

FHI 059, Version 11	HI 059, Version 11 Issued by: FHI Date of issue:										
Case No:	2018-0112		Site No:	FS1122	2						
Date of Visit:		28/03/2018	3		Inspector(s):	ALW]			
Registration/Autho											
 Business/site deta Changes made to 	-	/ checked by s	ite represent	ative?			N				
Site Details											
Total No facilities		14	Facilities sto	ocked	7	No facilitie	es inspected	14			
Species	SAL	WRS	LUM								
Age group	2017 Q3	Adult	Adult								
No Fish	537,738	19,841	27,500								
Mean Fish Wt	1.8kg	Various	~20g								
Next Fallow Date (Si	ite)	December 2	018	Next Input Da	ate (Site)	2019 Q2					
Recent (last 4 wks) of	disease prot	olems?		\ \ \ \ \ \	Y Any escapes	(since last	visit)?	N			
,	Pasteurella				,, 5000	(656					
Movement Records											
Movement records		or inspection?						Y			
2. Date of last inspec		JI IIISPECIIOIT.					11/10/2016				
3. Are records comp		rectly entered	?				1.7.4.=0	Y			
4. Are movement red		•		?				Y			
5. Are records comp								Y			
6. Are health certification				able?				N/A			
Transport Records											
1. Are any movemen								Y			
If yes, is there a syst	tem in place	for maintenan	ce of transpo	ortation records	;?			Y			
Mortality Records											
1. Mortality records a	available for	inspection?						Y			
2. How are mortalitie					Other (detail)						
		Vhiteshore Co									
3. Mortality records of		d correctly ent		11.510	= 3.2 // 4.0/0	221 /	: 2/2 00.4	Y			
4. Recent mortality (119, w/b 5/3 =	566, w/b 12/3	= 381, W/D	19/3 = 381	NI NI			
5. Evidence of recently yes, facility nos/no		• •		y/reacon:				N			
II yes, facility 1105/110	mortality pe	l lacility/fio ste	ick per raciity	//Teason.							
6. Any other peaks in	n mortality d	uring period cl	necked?					Y			
		• .		r 2017 (range fi	rom ~150-300/	/day/cage, a	verage of 26	4/day/cage),			
If yes, detail:	attributed to	Pasteurella s	kyensis. Hav	ve lost 2.48% si	nce start of De	cember (13	3,699).				
7. Have increased (u	(nexplained)	mortalities be	en reported t	to vet or FHI?				Y			
7.110.000000000000000000000000000000000	полранов,		•	nsis as infection	n at low level. F	Removing m	nortalities to r				
If yes, detail action:		infection pre	essure								
8. Have 'mortality ev	ents' been re	eported to FHI	? If no, add N	IRT case and	enter on morta	lity events s	sheet.	N/A			

FHI 059, Version 11	Issued by: FHI	Date of issue: 12/09/2017
Treatments and Medicines Records		

Treatments and Medicines Records								
1. Recent treatments (last 4 wks)?		N						
If yes, detail:								
If other, detail:								
2. Medicines records available for inspection?		Y						
3. Are records complete and correctly entered?		Y						
4. Are fish in a withdrawal period?		N						
5. If yes, what treatment(s)?								
If other, detail:								
6. Are medicines stored appropriately?		Y						
Biosecurity Records								
Biosecurity records available for inspection?		Y						
2. Has the manner and frequency of mortality removal, recording and safe disp	osal 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	Y						
is detected been included and how and when that will be notified to Scottish M								
5. Has the health status of aquaculture animals being stocked on the farm site been covered (equal or higher								
health status, certification if required)?								
6. Have the husbandry and biosecurity measures implemented between each	epidemiological unit to minimise	Y						
transmission of disease been covered (movement of staff, visitors, equipment,	•							
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	ousiness?	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).	iD							

11/10/16 - 28/3/18 Records checked between:

Priority samples: VI	rni 009, veision i i							155ueu by. Ffii							
Priority samples: VI		Case no:	2018-01	112	Site No:		FS1122					28/0	03/2018	28/0	
Summary samples		Priority samples:	VI		ВА		PA		MG		_				
Pool/Fish No			13:3	0:00	14:1	0:00		Inspecto	or:	ALW		VMD No	о.	27	
Pool/Fish No		Environmental conditions:	1	Indoors	2		3		4		5				
Pool/Fish No		Summary samples	HIST	Υ	ВА	Υ	MG	Υ	VI	Υ	PA		Total Sa	mples	
Fish nos	A	dd Fish/Pools - click													
Pool Group		Pool/Fish No	F1	F2	F3	F4	F5	P1							
Species		Fish nos	1	2	3	4	5	1-5	6	7	8	9	10		
Average weight Average weight		Pool Group	P1	P1	P1	P1	P1								
Sex Chailort Recirc chail Chail Recirc chail Chail Recirc chail Chail Recirc chail Chail Recirc chail Chail Recirc chail Chail Recirc chail Chail Recirc chail Chail Recirc chail Chail Recirc chail Chail Recirc chail Chail Recirc chail Chail Recirc chail Chail Recirc chail Chail Recirc chail Chail Recirc chail Chail Recirc chail Chail Recirc chail Chail Recirc chail Chail Recirc chail Recirc chail Chail Recirc chail Chail Recirc chail Recirc chail Recirc chail Chail Recirc chail Chail Recirc chail Chail Recirc chail Chail Recirc chail Chail Recirc ch		Species	SAL	SAL	SAL	SAL	SAL	SAL	SAL	SAL	SAL	SAL	SAL		
chailort Recirc int chailort Recirc int chailort Recirc int chailort Recirc int chailort Recirc int chailort Recirc int chailort Recirc int chailort Recirc int chailort Recirc int chailort Recirc int chailort Recirc int chailort Recirc int chailort Recirc int chailort Recirc int chailort Recirc int chailort Recirc int intitute intitut		Average weight	1.5000	1.5000	1.5000	1.5000	1.5000	1.5000	1.5000	1.5000	1.5000	1.5000	1.5000		
chailort Recirc int chailort Recirc int chailort Recirc int chailort Recirc int chailort Recirc int chailort Recirc int chailort Recirc int chailort Recirc int chailort Recirc int chailort Recirc int chailort Recirc int chailort Recirc int chailort Recirc int chailort Recirc int chailort Recirc int chailort Recirc int chailort Recirc int chailort Recirc int			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
ck Details ochailort Recirc Juit ochailort Recirc Juit ochailort Recirc Juit ochailort Recirc Juit ochailort Recirc Juit ochailort Recirc Juit ochailort Recirc Juit ochailort Recirc Juit ochailort Recirc Juit ochailort Recirc Juit ochailort Recirc Juit ochailort Recirc Juit ochailort Recirc Juit ochailort Recirc Juit		Water Type	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW		
Facility No 6 6 13 14 14 7 7 7 14 14	Stock Details	/ I		Lochailort Recirc Unit	1	Lochailort Recirc Unit	Lochailort Recirc Unit	Lochailort Recirc Unit		Lochailort Recirc Unit	Lochailort Recirc Unit	Lochailort Recirc Unit	Lochailort Recirc Unit		
6 6 13 14 14 7 7 14 14	Ü	praciiity inu	0	0	13	14	14		1	1	1	14	14		

3/2018 Additional Sample Information:														
Individual kidney in dry tube for swabbing on blood agar plates at lab (F1-5). MG storage - individual kidney (F1-5). BAS other - heart														
6 Total Tests assigned 8														

FHI 059, Version 11 Issued by: FHI Date of issue: 12/09/2017

Method of killing: Percussive Case no: 2018-0112 Site No: FS1122 Inspector(s): ALW Sheet Relevant: Y Date of visit: 28/03/2018 S for strong presence: M for medium presence: W for weak presence Fish Number Time sampled after death (if > 45 minutes) 90m 75m 75m 75m External Signs M Behaviour Moribund M M M M 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 **Flank** Lesions **Elsewhere** Vent Inflamed Trailing faeces Lice Load **Estimate numbers** Internal Signs Clear М **Ascites** Bloody Oedema In tissues Heart Pale/anaemic M 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 No food present Gut Yellow pseudo-faeces External haem Internal haem Body wall Haemorrhaging Haemorrhaging Swim bladder W Fluid filled Kidney Swollen Grey Granular Liquefied General Parasites present **Anaemia**

Case no: 2018-0112

Date of visit: 28/03/2018

Date of visit:	28/03/2018								
S for strong prese	nce: M for medium presence: W for	١٨							
Fish Number	ice. In for mediam presence. W for	VI	1	1	l I		l I	1	
	er death (if > 45 minutes)								
External Signs	er death (if > 45 initiates)								
Behaviour	Moribund								
Dellavioui	Lethargic								
	Hanging vertical								
	Spiralling								
	Flashing								
	Loss of equilibrium								
Body	Dark								
Douy	Distended abdomen								
	Anorexic								
	Scale Oedema								
Opercula	Shortened								
- p	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								
Dyloric cases	Lesions Petechial haem								
Pyloric caeca	Tubules mauve								
	Lack of fat								
Spleen	Enlarged								
opieen	Granulomas								
Gut	No food present								
Gut	Yellow pseudo-faeces								
	External haem								
	Internal haem								
Body wall	Haemorrhaging								
Swim bladder	Haemorrhaging								
J.IIII SIGGGE	Fluid filled								
Kidney	Swollen								
	Grey								
	Granular								
	Liquefied								
General	Parasites present								
-0.10.ui	Anaemia								
	/ illustriilu								

FHI 059, Version 11	Issued by: FHI	Date of issue: 12/09/20
Additional comments:		
		1
		1

FHI 059, Version 11		Issued by: FHI			Date of	of issue	: 12/09/2017
Case Number:	2018-0112		Site No:	FS1122		Insp:	ALW
Date of Visit	28/03/2018		No of m	ovements/s	supp./dest.		Score
Live fish movements			0	1-5	6-10	>10	
Movements on (from out	. ,	novements on from equivalent MS	0	5	10	14	0
with GB) of susceptible species		novements on from equivalent zone or acluding third country	0	9	18	26	0
	Number of supp	·	0		10	14	0
Movements off	Frequency of m	novements off	1 0	3	6	10	10
	Number of dest		0		6	10	3
Exposure via water		Site contact	s 0	1-5	6-10		
Water contacts with other farms (holding species	disinfection or b	•	0				0
susceptible to same diseases)	farms upstream	or in a coastal zone with category I or within 1 tidal excursion	1	2	4		2
	farms upstream	or in a coastal zone with category III or within 1 tidal excursion	1	3	6		0
		or in a coastal zone with category V n or within 1 tidal excursion	1	4	8		0
Management practices			None	Secure	Unsecure		
Water contacts with processors	Any processing	plant discharging into adjacent water	s 0	1	2		0
On farm processing within the rules of the directive	No on farm pro		0				0
	Processing owr	n fish (re-cycling risk)	1				0
	Processing fish	from MS of equivalent status	2				0
	Processing fish equivalent statu	from zone or compartment of	4				0
		from Category III farm	8	-			0
	Processing fish	from Category V farm	10	-			0
Disposal of fish and fish by-	Site's own wast	e only processed.	0				0
products	Common proce	sses with other farms	3				3
	Collection point	for waste from other farms	5				0
Use of unpasteurised feeds	No feeding of u	npasteurised feed	0	1			0
	Feeding unpast	teurised feed	5				0
Biosecurity		Number of site	s 1	2 or 3	≥ 4		
Contacts with other sites	Sites operating	from single shorebase	0	1	2		1
	Sites sharing st	aff and equipment	0	1	2		1
Disinfection of equipment	Yes		0]			0
between sites, use of footbaths etc	No		1				0
CoGP/Regulator							
Practices in accordance with regulator or industry	Yes		0				0
code of practice	No		3				0
Platform access to cages	Yes		0				0
	No		2				0
					Total Rank		20 MEDIUM

FHI 059, Version 11	Issued by: FHI	Date of issue: 12/09/2017
Case No: 2018-0112	Site No:	FS1122
Sea Lice Inspection (Seawater Sites Only	n	
1. Has the site experienced sea lice probler	•	N
2. Is the CoGP Farm Management Area (or	equivalent) fallowed synchronously on a single ye	ear class basis?
azamethiphos and emamectin benzoate) a can these be deployed in a reasonable peri	icenced in-feed and bath sea lice medications (inc s well as access to suitable biological and/or mecl od of time? agement agreement or statement relevant to the si	hanical control measures, and
 Are sea lice count records available for in 	nspection? (Legal SSI, CoGP Annex 6)	Y
	d standard specified in the SSI and the CoGP? (L	egal SSI, CoGP Annex 6)
	pelow the suggested criteria for treatment in the Co	
	almonis) numbers per fish been at a level of 3 or a	above during the period that
If yes, have these been reported to the Fish	Health Inspectorate? If no, FHI see comment.	N/A
9. Is C. elongatus infestation at a level which	ch is considered to cause significant welfare proble	ems? (CoGP 4.3.81, 5.3.50) N
	nistered or other actions taken when <i>L. salmonis lateratus</i> is considered to have welfare implication	
13. Are treatments, where conducted, carried14. Is there a harvesting strategy for the site sea lice?15. Is there a site specific written lice mana.	ons taken had a significant impact upon the lice level out in cooperation between participating farms? e, where fewer populations or part populations are gement procedure with waypoints describing set a	held without treatment for Y
scenarios during the escalation of a sea lice 16. Does the stock on site appear satisfactoreasons.	e infestation? ory in relation to sea lice level and sea lice count d	lata? If no please detail
2. Are measures in place to mitigate agains	age due to predators in the current or previous protection the predation experienced on site? (Detail below	
M.M.L., Seal Blinds, Tensioned Nets, T	op Nets	
If other, detail below:		
If Yes proceed with questions 4 – 9. If No sl 4. Have these been reported to Scottish Mir		
6. Have these been reported to the SSPO a	and local fisheries trusts forthwith (where they exist	t)? (CoGP – 4.4.37, 5.4.17)
7. Were methods (if any) used to recover es	scapees? If yes give detail	
Ministers? (Legal, CoGP – 4.4.38, 5.4.18) 9. What action was taken to prevent and middle considered under satisfactory meas	agreed with local wild fish interests and was perm nimise the risk of further escapes? (Not covered in ures of the Act) regards to containment? If no, please detail reason	n code but could

FHI 059, Version 11	Issued by: FHI	Date of issue: 12/09/2017
Case No: 2018-0112	Site No: FS1122	
Date of Visit: 28/03/201	8 Inspector: ALW	
Point of Compliance		
1. Is the farm under inspection located	I within a farm management area?	Υ
If N, no further questions require comp	oletion.	
Points of Compliance for Both Farm	n Management Agreements and Statements	
3. Is the current FMAg/S available for4. Does the FMAg/S identify the relevant5. Does the FMAg/S identify the fish factorial	ant farm management area? arm site(s) to which it applies? of commencement of the agreement or stateme	Y Y Y
Arrangements for Fish Health Mana	gement	
8. Does the FMAg/S identify the minim farm?	num health standards for the stocks to be introd	uced to the area or Y
10. Does the FMAg/S identify the spec	nation requirements for stocks held in the area of cies of fish which may be stocked into the area of imum stocking density of any pen on any farm i	or farm?
12. Does the FMAg/S identify the arranges fish farm in the area or the individual f	ngements for the storage and disposal of any dofarm?	ead fish from any Y
Arrangements for The Management	of Sea Lice	
13. Does the FMAg/S identify arranger	ments for the sharing of data on sea lice number	ers and treatments?
14. Does the FMAg/S identify the avail of statement?	lability and the use of medicines on farms cover	red by the agreement Y
	uirements for the sensitivity testing of available trarms?	
16. Does the FMAg/S identify the circuused on farms in the area or individual	umstances under which biological controls and o	cleaner fish are to be Y
	ngements for synchronous treatments on farms	within the area?
Live Fish Movements		
18. Does the FMAg/S identify the circuarea or farm?	umstances when live fish may be introduced or I	
19. Does the FMAg/S identify the arran or individual farms?	ngements for the movement of live fish on and o	off sites in the area

FHI 059, Version 11	Issued by: FHI	Date of issue: 12/09/20
Harvesting		
20. Does the FMAg/S identify acceptable	e harvest practices on farms in the area or individ	dual farms?
Fallowing		
21. Does the FMAg/S identify the dates date when a farm or area may be restoo	by which the area or individual farm will be fallow ked?	and the earliest Y
22. Does the FMAg/S identify whether of agreement or statement?	ne or more year classes may be stocked onto site	es covered by the Y
23. Does the FMAg/S identify whether b covered by the agreement or statement?	roodstock or potential broodstock are to be kept on ?	on any site Y
Point of Compliance for Farm Manage	ement Agreements Only	
24. Does the farm management agreem parties to the agreement?	nent include arrangements for persons to become	e, or cease to be, N/A
Management and operation		
25. Is the fish farm being managed and	operated in accordance with the agreement or sta	atement?
26. What is the version no/date of issue	of the FMAg/S? 2017 Q3	

Site No: FS1122
Case No: 2018-0112
Nature of non-compliance:

Action taken (FHI):

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

Case No: 2018-0112 Date of visit: 28/03/2018

Site No: FS1122 Inspector: ALW

Results Summary	Freq.		Date of Notification						
		Database	Insp	Phone	Insp	Writing	Insp	2 nd Insp	
IPN PCR	0/1	05/04/2018	ALW	09/04/2018	ALW	18/04/2018	ALW	DJT	
ISA PCR	0/1	05/04/2018	ALW	09/04/2018	ALW	18/04/2018	ALW	DJT	
IHN PCR	0/1	05/04/2018	ALW	09/04/2018	ALW	18/04/2018	ALW	DJT	
SAV PCR	0/1	05/04/2018	ALW	09/04/2018	ALW	18/04/2018	ALW	DJT	
VHS PCR	0/1	05/04/2018	ALW	09/04/2018	ALW	18/04/2018	ALW	DJT	
AGD PCR	4/5	09/04/2018	ALW	09/04/2018	ALW	18/04/2018	ALW	DJT	
Para ther PCR	5/5	09/04/2018	ALW	09/04/2018	ALW	18/04/2018	ALW	DJT	
Sal Pox PCR	1/5	09/04/2018	ALW	09/04/2018	ALW	18/04/2018	ALW	DJT	
Candidatus	4/5	09/04/2018	ALW	09/04/2018	ALW		ALW	DJT	
syngnamydia PCR						18/04/2018			
Candidatus	5/5	09/04/2018	ALW	09/04/2018	ALW		ALW	DJT	
branchiomonas PCR						18/04/2018			
AGD histology	1/5	10/04/2018	ALW	12/04/2018	ALW	18/04/2018	ALW	DJT	
Complex gill issues	5/5	10/04/2018	ALW	12/04/2018	ALW		ALW	DJT	
(histology)						18/04/2018			
Epitheliocystis	5/5	10/04/2018	ALW	12/04/2018	ALW	18/04/2018	ALW	DJT	
Gill pathology	5/5	10/04/2018	ALW	12/04/2018	ALW	18/04/2018	ALW	DJT	
liver pathology	4/5	10/04/2018	ALW	12/04/2018	ALW	18/04/2018	ALW	DJT	
skin pathology	3/5	10/04/2018	ALW	12/04/2018	ALW	18/04/2018	ALW	DJT	
Unidentified bacteria	3/5	10/04/2018	ALW	12/04/2018	ALW		ALW	DJT	
(histology)						18/04/2018			
Vibrio species	5/5	11/04/2018	ALW	12/04/2018	ALW	18/04/2018	ALW	DJT	
Moritella viscosa	4/5	11/04/2018	ALW	12/04/2018	ALW	18/04/2018	ALW	DJT	

Report Summary			
Case Type	Date	Insp	2 nd Insp
ECI/CNI/SLI/VMD	04/04/2018	ALW	ASM
Dia	18/04/2018	ALW	DJT
`			





Marine Harvest (Scotland) Ltd Stob Ban House Glen Nevis Business Park Fort William PH33 6RX

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS NO FB0119 **DATE OF VISIT** 28/03/2018

SITE NO FS1122 SITE NAME Grey Horse Channel

INSPECTOR Andrea Warwick Case No 20180112

Section 1: Summary

During a routine inspection, one moribund and four lethargic fish were observed. The fish were removed for further examination and subsequent diagnostic sampling.

Histopathology examination revealed mild complex gill health with presence of amoeboid-like cells suggestive of amoebic gill disease (AGD) and samples tested positive by QPCR for *Neoparamoeba perurans*. Epitheliocystis was also observed and samples tested positive by QPCR for *Candidatus* Branchiomonas cysticola and *Candidatus* Syngnamydia salmonis. Some vascular damage in the gills and mild hepatic necrosis was also noted.

Due to the gill health issues reported on site, samples were screened for salmon gill poxvirus and *Paranucleospora theridion* (syn, *Desmozoon lepeophtherii*) by QPCR. Samples tested positive for both pathogens.

Vibrio sp. and Moritella viscosa were isolated. The level and purity of growth would not suggest these bacteria are implicated in current fish morbidity.

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

Section 2: Case Detail

Observations

During a routine inspection, one moribund and four lethargic fish were observed. The site was stocked with 537,743 2017 Q3 Atlantic salmon at 1.8kg average weight, ~20,000 mixed wrasse species and 27,500 lumpsuckers.

Amoebic gill disease (AGD) had been diagnosed on the site in autumn 2017 and several treatments had been carried out. Following a treatment in late November 2017, mortality levels had risen in December and health surveillance carried out by the business reported infection with *Pasteurella skyensis*. From the start of December 2017 through to March 2018, there had been a total mortality of 2.48% with decreasing mortality levels each month.

The five fish were removed for further examination and subsequent diagnostic sampling. Fish 1 and 3 were dark and fish 4 had exophthalmia. There were lesions on fish 2, 3 and 4.

Internally fish 1 had a pale heart and no food present in the gut. Fish 3 and 4 had clear ascites. Fish 4 had petechial haemorrhaging on the liver, pyloric caeca and swim bladder. Fish 5 had yellow pseudo-faeces in the gut and a grey kidney.

Samples

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

Fish number	Pool number	Facility number	Species	Stage	Origin
1 & 2	P1	6	Atlantic salmon	2017 Q3 at 1.8kg	Lochailort Recirc Unit
3	P1	13	Atlantic salmon	2017 Q3 at 1.8kg	Lochailort Recirc Unit
4 & 5	P1	14	Atlantic salmon	2017 Q3 at 1.8kg	Lochailort Recirc Unit

Results

Bacteriology: Kidney and gill material from fish 1-5 and lesion material from fish 2, 3 and 5 was inoculated onto appropriate media for the isolation of bacteria.

The following bacteria were isolated:

Moritella viscosa (kidney and lesion of fish 3, lesion of fish 2, 4 and 5)

Vibrio sp. (gill of fish 1-5, kidney of fish 2-5, lesion of fish 2, 3 and 5)

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

Candidatus Branchiomonas cysticola

Fish Number	Endogenous control Cp value		Reported Result (PCR)		
F1	22.91	30.92	31.07	31.05	POSITIVE
F2	22.23	28.20	28.24	28.20	POSITIVE
F3	22.58	30.86	30.94	30.84	POSITIVE
F4	21.95	26.61	26.59	26.65	POSITIVE
F5	22.15	27.70	27.52	27.58	POSITIVE

Candidatus Syngnamydia salmonis

Fish Number	Endogenous control Cp value		Reported Result (PCR)		
F1	22.91	38.72	37.86	39.3	POSITIVE
F2	22.23	36.95	38.38	>40	POSITIVE
F3	-	-	-	-	Negative
F4	21.95	28.51	28.51	28.61	POSITIVE
F5	22.15	32.27	32.15	32.6	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).

Salmon aill poxvirus

Fish Number	Endogenous control Cp value		Reported Result (PCR)		
F1-4	-	-	-	-	Negative
F5	19.83	35.76	35.90	34.91	POSITIVE

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).

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	20.61	36.56	37.31	36.23	POSITIVE
F2	20.07	35.22	37.43	38.51	POSITIVE
F3	-	-	-	-	Negative
F4	22.01	31.10	31.15	31.12	POSITIVE
F5	19.83	32.24	32.09	31.60	POSITIVE

Paranucleospora theridion

Fish Number	Endogenous control Cp value		Cp Values		Reported Result (PCR)
F1	20.61	33.45	34.39	33.65	POSITIVE
F2	20.07	34.03	34.13	33.82	POSITIVE
F3	20.21	33.51	33.70	33.40	POSITIVE
F4	22.01	29.76	29.74	29.79	POSITIVE
F5	19.83	33.05	32.96	32.73	POSITIVE

Histology: Tissue samples of gill, skin and skeletal muscle, heart, pyloric caeca, pancreas, hind gut, liver, spleen and kidney were taken from fish 1-5.

Histopathological examination revealed the following:

<u>Gill</u>: Mild multifocal interlamellar hyperplasia with spaces (lacunae) occasionally filled with cell debris and lamellar fusion (F4) and F2 and F3 noted mainly distally, few to several basophilic epithelial inclusions (likely epitheliocystis) noted in all fish, amoeboid-like cells resembling Neoparamoeba perurans were noted in F4, several scattered aneurysmal dilation/telangiectasia and congested secondary lamellae and few lamellar thrombi also noted.

<u>Skin & Muscle</u>: Lesions (F2, F3 & F5) showed absence of epidermal layer, dermal oedema with high numbers of mixed bacteria which were also noted on the skeletal muscle, skeletal muscle necrosis with mild haemorrhage and mild leukocyte cell infiltration.

Heart: Mild pericarditis (F3, F4).

<u>Gut and pyloric caeca</u>: Some cell sloughing (F5), folds slightly congested noted in hindgut (F2 & F3).

Pancreas: Within normal range.

<u>Liver</u>: Multifocal to coalescence hepatic necrosis (F1, F3, F4 & F5), mild diffuse hepatocyte vacuolation (F1, F5) and multiple foci sinusoidal congestion (F3, F4).

Kidney: Few shrunken glomeruli (F4).

Spleen: Slightly congested (F4).



Fish Health Inspector

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Marine Scotland website at www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter

Date: 17/04/2018





Marine Harvest (Scotland) Ltd Stob Ban House Glen Nevis Business Park Fort William PH33 6RX

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

Business No FB0119 **Date of Visit** 28/03/2018

SITE NO FS1122 SITE NAME Grey Horse Channel

INSPECTOR Andrea Warwick Case No 20180112

Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

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

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

Records

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

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

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

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

Mortality records were inspected and found to be adequately maintained.

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

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

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

Inspection under the Animals and Animal Products (Examination for Residues and Maximum Residue Limits) (England and Scotland) Regulations 2013

Medicine records were inspected and found to be adequately maintained.

Samples were taken to be analysed for veterinary residues.

Inspection under the Aquaculture and Fisheries (Scotland) Act 2007

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

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

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

Signed:

Fish Health Inspector

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Marine Scotland website at www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter

Date: 04/04/2018

FHI 059, Version 11	Issu	ed by: FHI	Date of issue: 12/09/2017
Case No: 2018-0113			Date of visit: 26/03/2018
Time spent on site:	6 hrs	Main Inspecto	or: SAE
Site No: FS0091	Site Name:	Meall Mhor Loch Fyne	
Business No: FB0169	Business Name:	The Scottish Salmon Company	/
Case Types: 1 ECI	2 CNI 3 SLI	4 VMD 5 DIA	6
Water Temp (°C): 7	Thermometer No:	T205	FHI 045 completed
Observations:	Region: ST	Water type: S	CoGP MA: M-42
Dead/weak/abnormally behaving			mation/clinical score sheet.
Clinical signs of disease observed?	ed?		mation/clinical score sheet.
Gross pathology observed? Diagnostic samples taken?		Y If yes, see additional information	mation/clinical score sheet.
UNI/REG only - if unable to carr	y out intended visit detail rea	son below:	

Additional Case Information:

Some issues with physical damage on site, unsure what is causing this but suspect bad weather in conjunction with strong tidal flow on site. All cages affected, however 3 cages particularly bad.

Fish from Migdale (particularly Loch Damph) came with a lot of morts due to fungus on first delivery. First week on input: 25,500 morts. First weeks morts go against the FW site.

Once fish are split down from 6 cages to 12 cages, site will receive hatchery reared lumpsuckers.

Large number of fish with physical damage observed on the site with a number of moribund and dying fish near the surface in some cages. The damage consistently appeared as large lesions on the flanks. This appears consistent with the fish being rubbed on the nets. Fish sampled for VMD appeared healthy.

Paperwork done on 26/3/18, site inspected and samples collected on 27/3/18.

FHI 059, Version 11			Issu	ed by: FHI			Date of issu	e: 12/09/2017		
Case No:	2018-0113		Site No:	FS0091						
Date of Visit:		26/03/2018			Inspector(s):	SAE]		
Registration/Autho 1. Business/site deta 2. Changes made to	ails summary o		ite representa	itive?			Y Y	}		
Site Details										
	SAL 2017 S0 433,490 932g	12 April 2019	Facilities stoo	cked Next Input Da	6 ate (Site)	No facilities October 20	es inspected	12		
Recent (last 4 wks) of If yes, detail:					Any escapes			N		
Movement Records 1. Movement records 2. Date of last inspect 3. Are records comp 4. Are movement records 5. Are records comp 6. Are health certificate Transport Records 1. Are any movement	s available for ction: blete and corre cords available blete and corre ates for introducts.	ectly entered? e for dead fish ectly entered? luctions (outwi	h and waste? vith GB) availa half) of the bu	able? usiness (not usi			28/01/2015	N Y Y N/A		
If yes, is there a syst Mortality Records	em in place ro	or maintenanc	ce of transpor	tation records?				1		
1. Mortality records a 2. How are mortalitie If other detail: 3. Mortality records a	es disposed of complete and	correctly ente	w/b 26/2/18 1	1,195 morts; w/ e; w/b 19/3/18 4		00 morts for	site; w/b 12/0	·		
 Recent mortality (Evidence of recent 	•	typical mortal	ities?					Y		
	Evidence of recent increased/atypical mortalities? yes, facility nos/no mortality per facility/no stock per facility/reason:									
increased morts due	, ,				uspect bad we	eather cages	s 12, 2, 10 wo	orst affected		
6. Any other peaks in		• .						Y		
If yes, detail:	3.37									
7. Have increased (u			•					Y		
If yes, detail action: 8. Have 'mortality ev				e come and sa		ality avents s	shoot	Y		
o. Have mortality ev	CITES DECITION	ported to 1 111;	. II IIO, add IVI	TTT Case and C	THE OIL HIGH	mity CVCITICS 3	ricci.	•		

FHI 059, Version 11	Issued by: FHI	Date of issue: 12/09/2017
Treatments and Medicines Records		
Recent treatments (last 4 wks)?		Y
If yes, detail: H2O2, T.M.	S.	
If other, detail:		
2. Medicines records available for inspection?		Y
3. Are records complete and correctly entered	?	Y
4. Are fish in a withdrawal period?		Y
5. If yes, what treatment(s)?	T.M.S.	_
If other, detail:		
6. Are medicines stored appropriately?		Y
Biosecurity Records		
Biosecurity records available for inspection?	?	Y
2. Has the manner and frequency of mortality	removal, recording and safe disposal be	een considered?
3. Has the manner and period in which the AP	B will notify Scottish Ministers or vetering	nary professional of any
increased (unexplained) mortality at the site b		Y
4. Has the action that will be taken in the even is detected been included and <i>how</i> and <i>when</i>		
5. Has the health status of aquaculture animal health status, certification if required)?	s being stocked on the farm site been c	covered (equal or higher Y

If no, detail:

aquaculture animals held on site?

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

8. Have the biosecurity procedures been adequately implemented on site?

6. Have the husbandry and biosecurity measures implemented between each epidemiological unit to minimise

transmission of disease been covered (movement of staff, visitors, equipment, live or dead fish etc.)?

7. Is documentation available regarding the measures in place to maintain the physical containment of

- 2. If yes, are results available for inspection?
- 3. Any significant results?

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

October 2017: initial gill swabs 0/9 for SGPV, 9/9 for P. theridion, 1/9 AGD, 5/9 Epitheliocystis; then regular swabs when biologists visit. Feb 2018: report regarding some fish with lesions (head damage due to bird damage), some findings similar to Moritella toxaemia.

Records checked between:

28/01/2015 - 26/3/18

	11 000, voicion 11								uou by.				
	Case no:	2018-01	113	Site No:		FS0091			Date of Samplin		26/	03/2018	27/0
	Priority samples:	VI		ВА		PA		MG		ľні			
	Time sampling starts/ends: Environmental conditions:		0:00 Indoors		0:00	3	Inspecto	or: 4	SAE	5	VMD N	o. 	15
A	Summary samples dd Fish/Pools - click	HIST	Υ	ВА	Υ	MG	Υ	VI	Υ	PA		Total Sa	amples
	Pool/Fish No	F1	F2	F3	F4	F5	P1						
	Fish nos	1	2	3	4	5	1-5	6	7	8	9	10	11
	Pool Group	P1	P1	P1	P1	P1							
	Species	SAL	SAL	SAL	SAL	SAL	SAL	SAL	SAL	SAL	SAL	SAL	SAL
	Average weight	800g	800g	800g	800g	800g				800g	800g	800g	800g
	Sex	N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A	N/A	N/A
	Water Type	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Stock Details		Migdale Loch Shin	Migdale Loch Shin	Migdale Loch Shin	Migdale Loch Shin	Migdale Loch Damph		Migdale Loch Damph	Migdale Loch Damph	Migdale Loch Damph	Migdale Loch Damph	Migdale Loch Damph	Migdale Loch Damph
Ċ	Facility No	10	10	12	12	2		1	1	1	1	2	2

03/2018	Addition	nal Sam	ple Infor	mation:								
6		Total Te	ests ass	igned	4							
12	13	14	15	16	17	18	19	20				
12	13	14	13	10	17	10	19	20				
SAL	SAL	SAL	SAL	SAL	SAL	SAL	SAL	SAL				
			800g	800g	800g	800g	800g	800g				
N/A		N/A		N/A		N/A		N/A				
SW	SW	SW	SW	SW	SW	SW	SW	SW				
Migdale Loch Damph	Migdale Loch Damph	Migdale Loch Damph	Migdale Loch Damph	Migdale Loch Damph	Migdale Loch Shin	Migdale Loch Shin	Migdale Loch Shin	Migdale Loch Shin				
2	2	3	3	3	12	12	12	12				•

FHI 059, Version 11 Issued by: FHI Date of issue: 12/09/2017

Case no:	2018-0113]	Site No:		FS00	91	M	Method of killing: Percussive				
Date of visit:	26/03/2018	3	Inspe	ctor(s):	SAE Sheet Relevant:						Υ	
S for etrong proces	nce: M for medium presence: W for	wook n	roconco							,		
Fish Number	ice. In for medium presence. W for	F1	F2	F3	IF4	IF5	_			I		
	er death (if > 45 minutes)	+		1.0								
External Signs	(
Behaviour	Moribund	S	S	S	S	S						
	Lethargic	S	S	S	S	S						
	Hanging vertical											
	Spiralling											
	Flashing											
	Loss of equilibrium											
Body	Dark											
	Distended abdomen											
	Anorexic											
	Scale Oedema											
Opercula	Shortened											
	Flared											
Haemorrhaging	Throat											
	Ventrum											
	Base of fins											
Evos	Elsewhere											
Eyes	Exophthalmic (sunkan)											
	Enophthalmic (sunken) Cataract											
	Haemorrhagic											
Gills	Pale											
Oilia	Zoned											
	Necrotic											
Lesions	Flank	s	S	S	S	S						
	Elsewhere											
Vent	Inflamed											
	Trailing faeces											
Lice Load	Estimate numbers											
Internal Signs												
Ascites	Clear											
	Bloody	W	M	M	S	M						
Oedema	In tissues											
Heart	Pale/anaemic						_					
	Granulomas											
Liver	Deformed											
Liver	Petechial haem Gross haem		М									
			IVI	W	W	М						
	Tissue breakdown Enlarged			7.	**	1.01						
	Colour number(s)											
	Granulomas											
	Lesions											
Pyloric caeca	Petechial haem		М									
,	Tubules mauve											
	Lack of fat											
Spleen	Enlarged	W	W	M	M	M						
	Granulomas											
Gut	No food present											
	Yellow pseudo-faeces											
	External haem											
	Internal haem											
Body wall	Haemorrhaging											
Swim bladder	Haemorrhaging											
12: 1	Fluid filled											
Kidney	Swollen											
	Grey											
	Granular											
Gonoral	Liquefied											
General	Parasites present											
	Anaemia											

Case no: 2018-0113

Date of visit: 26/03/2018

Date of visit:	26/03/2018								
S for strong prese	nce: M for medium presence: W for	١٨							
Fish Number	ice. In for mediam presence. W for	VI	1	1			l I	1	
	er death (if > 45 minutes)								
External Signs	er death (if > 45 initiates)								
Behaviour	Moribund								
Dellavioui	Lethargic								
	Hanging vertical								
	Spiralling								
	Flashing								
	Loss of equilibrium								
Body	Dark								
Douy	Distended abdomen								
	Anorexic								
	Scale Oedema								
Opercula	Shortened								
- p	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								
	Cranulames								
	Granulomas								
Dylorio cocco	Lesions Potoshial hasm								
Pyloric caeca	Petechial haem								
	Tubules mauve Lack of fat								
Spleen	Enlarged								
opieen	Granulomas								
Gut	No food present								
Gut	Yellow pseudo-faeces								
	External haem								
	Internal haem								
Body wall	Haemorrhaging								
Swim bladder	Haemorrhaging								
Owini Diaddel	Fluid filled								
Kidney	Swollen								
radioy	Grey								
	Granular								
	Liquefied								
General	Parasites present								
Jonoral	Anaemia								
	raidelliid								

FHI 059, Version 11	Issued by: FHI	Date of issue: 12/09/
Additional comments:		
Caudal fins in very bad condition on all f	ish, F4 missing part of the upper jaw, F5 missing	g one eye. Lesions look like fish
nave been rubbed on the nets.		
		1
		l
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		l
		1
		1

FHI 059, Version 11		Issued by: FHI			Date of	of issue	: 12/09/2017
Case Number:	2018-0113		Site No:	FS0091		Insp:	SAE
Date of Visit	26/03/2018		No of m	ovements/s	supp./dest.		Score
Live fish movements			0	1-5	6-10	>10	
Movements on (from out	Frequency of m	novements on from equivalent MS	0	5	10	14	0
with GB) of susceptible species		novements on from equivalent zone or	0	0	40	200	0
Species .	Number of supp	ocluding third country	0		18 10	26 14	0
Movements off	Frequency of m		0		6	10	10
Exposure via water	Number of dest	Site contacts			6-10	10	3
Water contacts with other	Farm is protect	ed (secure water supply through	, <u> </u>	I-3	0-10		
farms (holding species	disinfection or b	oorehole)	0				0
susceptible to same diseases)	farms upstream	or in a coastal zone with category I or within 1 tidal excursion	1	2	4		2
	farms upstream	or in a coastal zone with category III or within 1 tidal excursion	1	3	6		0
		or in a coastal zone with category V or within 1 tidal excursion	1	4	8		0
Management practices			None	Secure	Unsecure		
Water contacts with processors	Any processing	plant discharging into adjacent waters	0	1	2		1
On farm processing within the rules of the directive	No on farm pro	cessing	0				0
	Processing owr	n fish (re-cycling risk)	1				0
	Processing fish	from MS of equivalent status	2	1			0
	Processing fish equivalent statu	from zone or compartment of	4				0
		from Category III farm	8	1			0
	Processing fish	from Category V farm	10				0
Disposal of fish and fish by-	Site's own wast	e only processed.	0]			0
products	Common proce	sses with other farms	3				3
	Collection point	for waste from other farms	5				0
Use of unpasteurised feeds	No feeding of u	npasteurised feed	0]			0
	Feeding unpast	teurised feed	5				0
Biosecurity		Number of sites	1	2 or 3	≥ 4		
Contacts with other sites	Sites operating	from single shorebase	0	1	2		2
	Sites sharing st	aff and equipment	0	1	2		2
Disinfection of equipment between sites, use of	Yes		0				0
footbaths etc	No		1				0
CoGP/Regulator				_			
Practices in accordance with regulator or industry	Yes		0				0
code of practice	No		3				0
Platform access to cages	Yes		0				0
	No		2				0
					Total		23
					Rank		MEDIUM

						_	
Case No:	2018-0113		Sit	te No:	FS0091]	
-	(Seawater Sites Only)	in the marriage of	-2				V
•	enced sea lice problems						Υ
2. Is the CoGP Farm N	Management Area (or eq	uivalent) fallowed syn	chronously on a	single ye	ear class basis?		Υ
azamethiphos and em can these be deployed	access to a range of lice amectin benzoate) as well in a reasonable period ocumented farm manage equivalent)?	vell as access to suitab of time?	ole biological and	d/or mech	nanical control meas		Y
5. Are sea lice count re	ecords available for insp	ection? (Legal SSI, Co	GP Annex 6)			ĺ	Υ
6. Do records adequat	ely reflect the required s	tandard specified in th	e SSI and the C	oGP? (Lo	egal SSI, CoGP Anr	nex 6)	Υ
7. Are sea lice (<i>L. saln</i> records are inspected	monis) record levels belo ? (CoGP Annex 6)	ow the suggested criter	ria for treatment	in the Co	oGP during the perio	d that	Υ
8. Have average adult records are inspected	female sea lice (<i>L. saln</i> ?	nonis) numbers per fish	h been at a level	of 3 or a	above during the per	iod that	N
If yes, have these bee	n reported to the Fish He	ealth Inspectorate? If n	no, FHI see comi	ment.			N/A
9. Is <i>C. elongatu</i> s infe	station at a level which i	s considered to cause	significant welfa	re proble	ems? (CoGP 4.3.81,	5.3.50)	N
	reatments been adminis reatment or where <i>C. el</i>						N/A
11. Has any other acti	on been taken (where a	oplicable)?					N/A
•	reatments or the actions		nt impact upon th	ne lice lev	vels recorded?		N/A
•	nere conducted, carried	_					Υ
	ng strategy for the site, v	•	•	~		ent for	Y
-	cific written lice manager scalation of a sea lice in	-	aypoints describ	ing set a	ctions to deal with re	ecognised	Υ
16. Does the stock on reasons.	site appear satisfactory	in relation to sea lice le	evel and sea lice	e count d	ata? If no please de	tail	Υ
Containment Inspect	ion						
-	enced equipment damag	e due to predators in th	he current or pre	evious pro	oduction cycles?	İ	N
	ace to mitigate against th						Y
2. 7 110 mododi 00 iii pic	to to magate against a	о ргодалог охрополог	od on one. (Don	an bolow,	/		•
If other, detail below	•						
•	ds, top nets, ADD (not in	use currently)					
	ents or events been expe		cinity of the site	since the	e last FHI inspection	?	N
•	estions 4 – 9. If No skip		on the one	011100 1110			
	ported to Scottish Minist	•					
	ported to local DSFB for				·		
6. Have these been re	ported to the SSPO and	local fisheries trusts fo	orthwith (where t	hey exist	t)? (CoGP – 4.4.37,	5.4.17)	
7. Were methods (if a	ny) used to recover esca	pees? If yes give detai	il				
8. If gill nets were den	loyed was this action ag	reed with local wild fish	n interests and w	as permi	ission given by Scot	tish	
Ministers? (Legal, Co		The field			J. C. C. C. C. C. C. C. C. C. C. C. C. C.		
9. What action was tal	ken to prevent and minin	nise the risk of further	escapes? (Not c	overed in	n code but could		
be considered unde	er satisfactory measure	es of the Act)					
	ed as satisfactory with re	· ·	If no, please de	tail reaso	on(s)		Υ
	-						

Issued by: FHI

Date of issue: 12/09/2017

FHI 059, Version 11

FHI 059, Version 11	Issued by: FHI	Date of issue: 12/09/2017
Case No: 2018-0113	Site No: FS0091	
Date of Visit: 26/03/2018	Inspector: SAE	
Point of Compliance		
1. Is the farm under inspection located v If N, no further questions require comple	_	Y
Points of Compliance for Both Farm	Management Agreements and Statements	
3. Is the current FMAg/S available for in4. Does the FMAg/S identify the relevan5. Does the FMAg/S identify the fish farr	t farm management area? m site(s) to which it applies? commencement of the agreement or statemer	Y Y Y
Arrangements for Fish Health Manag	ement	
farm? 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?	m health standards for the stocks to be introduction requirements for stocks held in the area of es of fish which may be stocked into the area of num stocking density of any pen on any farm in gements for the storage and disposal of any dearm?	r farm? Y r farm? Y the area or the
Arrangements for The Management of	of Sea Lice	
13. Does the FMAg/S identify arrangem	ents for the sharing of data on sea lice number	rs and treatments?
of statement? 15. Does the FMAg/S identify any requir lice on farms in the area or individual far 16. Does the FMAg/S identify the circum used on farms in the area or individual far	nstances under which biological controls and c	reatments for sea Y Ileaner fish are to be
Live Fish Movements		
area or farm?	nstances when live fish may be introduced or regements for the movement of live fish on and o	

FHI 059, Version 11	Issued by: FHI	Date of issue: 12/09/2017
Harvesting		
20. Does the FMAg/S identify acceptab	ole harvest practices on farms in the area or individ	dual farms?
Fallowing		
21. Does the FMAg/S identify the dates date when a farm or area may be resto	s by which the area or individual farm will be fallow ocked?	and the earliest Y
•	one or more year classes may be stocked onto sit	tes covered by the Y
	broodstock or potential broodstock are to be kept at?	on any site Y
Point of Compliance for Farm Manag	gement Agreements Only	
24. Does the farm management agreed parties to the agreement?	ment include arrangements for persons to become	e, or cease to be, N/A
Management and operation		
25. Is the fish farm being managed and	d operated in accordance with the agreement or st	tatement?
26. What is the version no/date of issue	e of the FMAg/S? 26.02.2018	

Site No: FS0091

Case No: 2018-0113

Nature of non-compliance:

Action taken (FHI):

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

 Case No:
 2018-0113
 Date of visit: 26/03/2018

 Site No:
 FS0091
 Inspector: SAE

Results Summary	Freq.		Date of Notification					
		Database	Insp	Phone	Insp	Writing	Insp	2 nd Insp
MG SAV	0/1	05/04/2018	SAE	12/04/2018	SAE	18/04/2018	SAE	DJT
MG ISA	0/1	05/04/2018	SAE	12/04/2018	SAE	18/04/2018	SAE	DJT
MG IHNQ	0/1	05/04/2018	SAE	12/04/2018	SAE	18/04/2018	SAE	DJT
MG VHS	0/1	05/04/2018	SAE	12/04/2018	SAE	18/04/2018	SAE	DJT
MG IPN	0/1	05/04/2018	SAE	12/04/2018	SAE	18/04/2018	SAE	DJT
ADHE	1/5	10/04/2018	SAE	12/04/2018	SAE	18/04/2018	SAE	DJT
BACT	5/5	10/04/2018	SAE	12/04/2018	SAE	18/04/2018	SAE	DJT
SKIN	5/5	10/04/2018	SAE	12/04/2018	SAE	18/04/2018	SAE	DJT
VSPE (Isolate A)	5/5	12/04/2018	SAE	12/04/2018	SAE	18/04/2018	SAE	DJT
/SPE (Isolate B)	3/5	12/04/2018	SAE	12/04/2018	SAE	18/04/2018	SAE	DJT
VVIS	3/5	12/04/2018	SAE	12/04/2018	SAE	18/04/2018	SAE	DJT
					1			

Report Summary			
Case Type	Date	Insp	2 nd Insp
ECI, CNI, SLI, VMD	09/04/2018		ALW
DIA	18/04/2018	SAE	DJT





The Scottish Salmon Company 1 Smithy Lane Lochgilphead Argyll PA31 8TA

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

Business No FB0169 **Date of Visit** 26/03/2018

SITE NO FS0091 SITE NAME Meall Mhor Loch Fyne

INSPECTOR Svenja Elwenn Case No 20180113

Section 1: Summary

During a routine site inspection moribund fish were observed on site and five fish were removed for diagnostic sampling. Histopathological examination revealed skin lesions with high numbers of mixed bacteria and mild skeletal muscle necrosis, which is consistent with the physical damage observed on site.

Two *Vibrio* sp. and *Moritella viscosa* were isolated. The mixed growth would not suggest to be the primary source of morbidity however the level of growth was significant.

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

At the time of inspection slightly elevated mortalities were occurring on site due to physical damage, suspected to have been caused by sustained bad weather in conjunction with strong tidal flows. Mortality levels appeared to peak at 4,589 for the site in the week prior to inspection. A large number of fish with physical damage were observed on the site with a number of moribund fish near the surface in some cages. The damage consistently appeared as large lesions on the flanks. This appears consistent with the fish being rubbed on the nets.

All five fish sampled were lethargic and moribund with a large lesion on the flank and with the caudal fin in poor condition. F4 was missing part of the upper jaw and F5 was missing an eye. Internally all fish had bloody ascites and an enlarged spleen, with some tissue breakdown evident in the liver in F3-F5 and haemorrhaging on the liver and pyloric caeca in F2.

Samples

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

Fish number	Pool number	Facility number	Species	Stage	Origin
F1 - F2	P1	10	Atlantic salmon	2017 S0, 800g	Migdale Loch Shin
F3 - F4	P1	12	Atlantic salmon	2017 S0, 800g	Migdale Loch Shin
F5	P1	2	Atlantic salmon	2017 S0, 800g	Migdale Loch Damph

Results

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

The following bacteria were isolated:

- Vibrio sp. (Isolate A): F1-F5 (kidney, lesion, gill)
- Vibrio sp. (Isolate B): F2, F4-F5 (kidney)
- Moritella viscosa: F1 (lesion), F4 (kidney), F5 (kidney, lesion)

From the tests conducted on *Vibrio* sp. (5/5), we do not have evidence of resistance to amoxycillin, oxytetracycline, sulphamethoxazole 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).

Histology: Tissue samples of gill, skin and skeletal muscle, heart, pyloric caeca, pancreas, hind gut, liver, spleen and kidney were taken from F1 – F5. The tissue samples were fixed in 10% neutral buffered formalin.

Histopathological examination by light microscopy revealed the following:

<u>Gill:</u> Small foci of interlamellar hyperplasia (F1-F2) and lamellar fusion (F2). Generalised lamellar congestion and presence of aneurysmal dilation/telangiectasia noted in all fish (likely associated with the killing method – percussion). Some epithelial lifting noted in all fish (likely associated with post-mortem artefact).

<u>Skin & Muscle:</u> Lesions showed absence of epidermal layer, dermal oedema with high numbers of mixed bacteria which were also noted on the skeletal muscle (F1-F5), mild haemorrhage in the hypodermis and skeletal muscle necrosis with mild haemorrhage and mild leukocyte cell infiltration (F2-F5). F2 also showed an increase of melanin deposits at the basement membrane. Heart: Within the normal range.

Gut and pyloric caeca: Adipose tissue showed some fibrous adhesions likely associated with vaccine administration (F2) and some cell sloughing noted in F3.

Pancreas: Within the normal range.

Liver: Some capillary congestion (F1, F3) and multiple small foci of sinusoidal congestion and

hepatocyte necrosis noted in F5. Kidney: Within the normal range.

Spleen: Slightly reduction of white pulp (F3).

Signed: Date: 18/04/2018

Fish Health Inspector

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Marine Scotland website at www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter





The Scottish Salmon Company 1 Smithy Lane Lochgilphead Argyll PA31 8TA

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

Business No FB0169 **Date of Visit** 26/03/2018

SITE NO FS0091 SITE NAME Meall Mhor Loch Fyne

INSPECTOR Svenja Elwenn Case No 20180113

Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

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

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

Records

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

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

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

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

Mortality records were inspected and found to be adequately maintained.

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

R25

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

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

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

• FS numbers must be recorded in the source/destination section of the movement record book, to allow for better traceability of stocks. It was discussed with the site manager that this would be recorded in future. No further action is required.

These must be addressed to ensure the conditions of authorisation for your Aquaculture Production Business (APB) are being met.

Inspection under the Animals and Animal Products (Examination for Residues and Maximum Residue Limits) (England and Scotland) Regulations 2013

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 assistance or clarification in implementing any requirement or recommendation detailed in this report.

Signed: Date: 09/04/2018
Fish Health Inspector

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Marine Scotland website at www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter

FHI 059, Version 11	Issu	Date of issue: 12/09/2017				
Case No: 2018-0114			Date of visit: 27/03/2018			
Time spent on site:	6 hrs	Main Inspecto	or: SAE			
Site No: FS0683	Site Name:	Gob a Bharra Loch Fyne				
Business No: FB0169	Business Name:	The Scottish Salmon Company	/			
Case Types: 1 ECI	2 CNI 3 SLI	4 VMD 5	6			
Water Temp (°C): 6.9	Thermometer No:	T205	FHI 045 completed			
Observations:	Region: ST	Water type: S	CoGP MA: M-42			
Dead/weak/abnormally behaving fish present? Y If yes, see additional information/clinical score sheet.						
Clinical signs of disease observed? N If yes, see additional information/clinical score sheet. N If yes, see additional information/clinical score sheet.						
Gross pathology observed? Diagnostic samples taken? N If yes, see additional information/clinical score sheet.						
UNI/REG only - if unable to carry out intended visit detail reason below:						

Additional Case Information:

Considerable swell on site at time of inspection with poor weather conditions so visibility limited. Fish appeared to be deeper in the water. A few runts observed in most cages. A few fish with physical damage observed actively swimming deeper in the cage. Fish sampled for VMD appeared healthy.

FHI 059, Version 11			Issu	ed by: FHI			Date of issu	e: 12/09/2017	
Case No:	2018-0114		Site No:	FS0683					
Date of Visit:		27/03/2018]		Inspector(s):	SAE]	
Registration/Authorisation Details 1. Business/site details summary checked by site representative? 2. Changes made to details? Y Y									
Site Details									
Total No facilities		10	Facilities sto	cked	5	No facilitie	s inspected	10	
Species	SAL								
Age group	2017 S0								
No Fish	339,715								
Mean Fish Wt	902g								
Next Fallow Date (S	ite)	April 2019		Next Input Da	ate (Site)	October 20)19		
•	,	<u> </u>		'	7				
Recent (last 4 wks)	disease probl	ems?		N	Any escapes	(since last	visit)?	N	
If yes, detail:									
Movement Records									
1. Movement record		r inspection?						Y	
2. Date of last inspec							15/06/2016		
3. Are records comp		ectly entered?	>					N	
4. Are movement red		•						Y	
5. Are records comp	lete and corre	ectly entered?	>					Y	
6. Are health certification		•		able?				N/A	
Transport Records									
1. Are any movement If yes, is there a systematical syste		• •		•				Y	
	iem in piace i	or maintenan	oc or transpor	tation records	•				
Mortality Records									
1. Mortality records a	available for i	nspection?						Y	
2. How are mortalities		•			Whole fish -	Dundas Che	emicals		
If other detail:									
3. Mortality records of	complete and	correctly ente	ered?					Y	
4. Recent mortality (last 4 wks):		between 250	-400 morts pe	r week for the	site			
5. Evidence of recen	nt increased/a	typical mortal	lities?					Y	
If yes, facility nos/no	mortality per	facility/no sto	ck per facility	/reason:					
slight increase with	failed smolts	dying post tre	eatment						
6. Any other peaks in mortality during period checked?							Y		
increased grumbling morts on input due to ERM 400-3,900 per week for approximately 10 weeks post input									
•		mortalities be	en reported to	vet or FHI?				Y	
7. Have increased (unexplained) mortalities been reported to vet or FHI? If yes, detail action: ERM diagnosed in October 2017									
8. Have 'mortality events' been reported to FHI? If no, add MRT case and enter on mortality events sheet.								Y	

FHI 059, Version 11		Issued by: FHI	Date of issue: 12/09/2017
,		,	
Treatments and Medicine	es Records		
1. Recent treatments (last	4 wks)?		Y
If yes, detail:	H2O2, T.M.S.		•
If other, detail:	<u>-</u>		

	If yes, detail: H2O2, T.M.S.						
	If other, detail:						
	2. Medicines records available for inspection?	Y					
	3. Are records complete and correctly entered?	Y					
	4. Are fish in a withdrawal period?	Y					
	5. If yes, what treatment(s)? T.M.S.						
	If other, detail:						
	6. Are medicines stored appropriately?	Y					
	Biosecurity Records						
	Biosecurity records available for inspection?	Y					
	2. Has the manner and frequency of mortality removal, recording and safe disposal been considered?	Y					
	3. Has the manner and period in which the APB will notify Scottish Ministers or veterinary professional of any						
increased (unexplained) mortality at the site been included?							
	4. Has the action that will be taken in the event that the presence or suspicion of the presence of a listed disease	Y					
	is detected been included and <i>how</i> and <i>when</i> that will be notified to Scottish Ministers?						
	5. Has the health status of aquaculture animals being stocked on the farm site been covered (equal or higher	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?	Υ					
	2. If yes, are results available for inspection?	Y					
3. Any significant results?							
	If yes, detail (if not detailed under recent disease problems).						
١	Oct 2017: confirmed ERM as a strong possibility: January 2018: low level Y. ruckeri isolated amongst mixed growt	th					

Records checked between: 15/06/2016 - 27/3/18

٠.	ii 059, version i i								ueu by.				
	Case no:	2018-01	114	Site No:		FS0683			Date of Sampling		27/	03/2018	27/
	Priority samples:	VI		ВА		PA		MG	-	ig. HI			
	Time sampling starts/ends:	18:0	0:00	18:3	0:00	l	Inspecto	or:	SAE	l	VMD No	o.	15
	Environmental conditions:	1	Indoors	2		3		4		5			
	Summary samples	HIST		ВА		MG		VI		PA		Total Sa	amples
Α	dd Fish/Pools - click												
	Pool/Fish No												
	Fish nos	1	2	3	4	5	6	7	8	9	10	11	12
	Pool Group												
	Species	SAL	SAL	SAL	SAL	SAL	SAL	SAL	SAL	SAL	SAL	SAL	SAL
	Average weight	900g	900g	900g	900g	900g	900g	900g	900g	900g	900g	900g	900g
	Sex	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Water Type	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Stock Details	I .	Kinlochmoidart Hatchery	Kinlochmoidart Hatchery	Kinlochmoidart Hatchery	Kinlochmoidart Hatchery		Kinlochmoidart Hatchery	Kinlochmoidart Hatchery	Migdale Loch Shin	Migdale Loch Shin	Migdale Loch Shin	Migdale Loch Shin	Kinlochmoidart Hatchery
Ś	Facility No	1	1	1	1	2	2	2	3	3	3	3	10

Till dod, Volcion Ti														
03/2018	3/2018 Additional Sample Information:													
2														
0	0 Total Tests assigned 0													
13	14	15												
0.41		0.11												
SAL	SAL	SAL												
900g	900g	900g												
N/A SW	N/A SW	N/A SW												
SVV	300	300												
+		t t												
dar	Jar	dar												
og /	ĕ _	noir /												
chn Jery	유호	chn Jery												
Kinlochmoidart Hatchery	Kinlochmoidart Hatchery	Kinlochmoidart Hatchery												
	<u> </u>	즐표												
10	10	10												

FHI 059, Version 11	Issued by: FHI Date of i						: 12/09/2017
Case Number:	2018-0114		Site No:	FS0683		Insp:	SAE
Date of Visit	27/03/2018		No of me	ovements/s	supp./dest.		Score
Live fish movements			0	1-5	6-10	>10	
Movements on (from out	Frequency of m	novements on from equivalent MS	0	5	10	14	0
with GB) of susceptible species		novements on from equivalent zone or	0		40	00	
species	compartment in Number of supp	ncluding third country	0		18 10	26 14	0
Movements off	Frequency of m		0			10	10
Exposure via water	inumber of desi	Site contacts	_			10	3
Water contacts with other	Farm is protect	ed (secure water supply through	, <u> </u>	I -3	0-10		
farms (holding species	disinfection or b		0				0
susceptible to same		or in a coastal zone with category I	4	0	4		
diseases)		or within 1 tidal excursion or in a coastal zone with category III	1	2	4		
		or within 1 tidal excursion	1	3	6		0
		or in a coastal zone with category V					
	farms upstream	or within 1 tidal excursion	1	4	8		0
Management practices			None	Secure	Unsecure		
Water contacts with	Any processing	plant discharging into adjacent waters					
processors			0	1	2		1
On farm processing within the rules of the directive	No on farm pro	cessing	0				0
	Processing own	n fish (re-cycling risk)	1				0
	Processing fish	from MS of equivalent status	2				
		from zone or compartment of	_				
	equivalent statu	4				0	
	Processing fish	8				0	
	Processing fish	from Category V farm	10				0
Disposal of fish and fish by-	Site's own wast	te only processed.	0]			0
products	Common proce	sses with other farms	3	1			3
	Collection point	for waste from other farms	5				0
Use of unpasteurised feeds	No feeding of u	npasteurised feed	0	1			0
	Feeding unpas	•	5	1			0
Biosecurity		Number of sites	1	ı 2 or 3	≥ 4		
Contacts with other sites	Sites operating	from single shorebase	0	1	2		2
	Sites sharing st	taff and equipment	0	1	2		2
Disinfection of equipment	Yes		0	<u>!</u> 			
between sites, use of	No		0				
footbaths etc	110		1	J			0
CoGP/Regulator	IVaa		T .	1			
Practices in accordance Yes with regulator or industry							0
code of practice	No		3]			0
Platform access to cages	Yes]			0
	No		2				0
	I			J			
					Total		23
					Rank		MEDIUM

FHI 059, Version 11	Issued by: FHI	Date of issue: 12/09/2017								
Case No: 2018-0114	Site No:	FS0683								
Sea Lice Inspection (Seawater Sites Only) 1. Has the site experienced sea lice problem		V								
	equivalent) fallowed synchronously on a single y	ear class basis?								
3. Does the site have access to a range of lic azamethiphos and emamectin benzoate) as can these be deployed in a reasonable period	cenced in-feed and bath sea lice medications (inc well as access to suitable biological and/or mecl	cluding deltamethrin, hanical control measures, and								
5. Are sea lice count records available for instance.	spection? (Legal SSL CoGP Annex 6)	Y								
	I standard specified in the SSI and the CoGP? (L	egal SSI, CoGP Annex 6)								
7. Are sea lice (<i>L. salmonis</i>) record levels be records are inspected? (CoGP Annex 6)	7. Are sea lice (<i>L. salmonis</i>) record levels below the suggested criteria for treatment in the CoGP during the period that									
·	Imonis) numbers per fish been at a level of 3 or a	above during the period that								
If yes, have these been reported to the Fish	Health Inspectorate? If no, FHI see comment.	N/A								
9. Is C. elongatus infestation at a level which	n is considered to cause significant welfare proble	ems? (CoGP 4.3.81, 5.3.50) N								
	nistered or other actions taken when <i>L. salmonis lelongatus</i> is considered to have welfare implication									
11. Has any other action been taken (where	applicable)?	N/A								
12. Have therapeutic treatments or the action	ns taken had a significant impact upon the lice lev	vels recorded?								
14. Is there a harvesting strategy for the site sea lice?	d out in cooperation between participating farms?, where fewer populations or part populations are ement procedure with waypoints describing set a infestation?	held without treatment for Y								
16. Does the stock on site appear satisfactor reasons.	ry in relation to sea lice level and sea lice count d	ata? If no please detail								
Containment Inspection										
•	age due to predators in the current or previous pro	oduction cycles?								
2. Are measures in place to mitigate against	the predation experienced on site? (Detail below	Υ Υ								
If all an alota! In along										
If other, detail below: tension nets, seal blinds, top net, ADDs (not	in use)									
	eperienced on or in the vicinity of the site since the	e last FHI inspection?								
If Yes proceed with questions 4 – 9. If No ski										
4. Have these been reported to Scottish Mini										
5. Have these been reported to local DSFB f	orthwith (where they exist)? (CoGP - 4.4.37, 5.4	.17)								
6. Have these been reported to the SSPO ar	nd local fisheries trusts forthwith (where they exist	t)? (CoGP – 4.4.37, 5.4.17)								
7. Were methods (if any) used to recover est	capees? If yes give detail									
8. If all note were deployed was this action a	agreed with local wild fish interests and was perm	ission given by Scottish								
Ministers? (Legal, CoGP – 4.4.38, 5.4.18)	agreed with local wild half interests and was perill	ission given by coulding								
9. What action was taken to prevent and mir	nimise the risk of further escapes? (Not covered in	n code but could								
be considered under satisfactory measurements	· · · · · · · · · · · · · · · · · · ·									
10. Is the site inspected as satisfactory with	regards to containment? If no, please detail reason	on(s) Y								

FHI 059, Version 11	Issued by: FHI	Date of issue: 12/09/2017
Case No: 2018-0114	Site No: FS0683	
Date of Visit: 27/03/2018	Inspector: SAE	
Point of Compliance		
1. Is the farm under inspection located volume of N, no further questions require complete.	_	Y
Points of Compliance for Both Farm	Management Agreements and Statements	
3. Is the current FMAg/S available for in4. Does the FMAg/S identify the relevan5. Does the FMAg/S identify the fish farr	t farm management area? m site(s) to which it applies? commencement of the agreement or statemer	Y Y Y
Arrangements for Fish Health Manag	ement	
farm? 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?	m health standards for the stocks to be introduction requirements for stocks held in the area of es of fish which may be stocked into the area of num stocking density of any pen on any farm in gements for the storage and disposal of any dearm?	r farm? Y r farm? Y the area or the
Arrangements for The Management of	of Sea Lice	
13. Does the FMAg/S identify arrangem	ents for the sharing of data on sea lice number	rs and treatments?
of statement? 15. Does the FMAg/S identify any requir lice on farms in the area or individual far 16. Does the FMAg/S identify the circum used on farms in the area or individual far	nstances under which biological controls and c	reatments for sea Y Ileaner fish are to be
Live Fish Movements		
area or farm?	nstances when live fish may be introduced or regements for the movement of live fish on and o	

FHI 059, Version 11	Issued by: FHI	Date of issue: 12/09/2017
Harvesting		
20. Does the FMAg/S identify acceptal	able harvest practices on farms in the area or individu	ual farms?
Fallowing		
21. Does the FMAg/S identify the date date when a farm or area may be resto	es by which the area or individual farm will be fallow a cocked?	and the earliest Y
•	r one or more year classes may be stocked onto sites	s covered by the Y
	r broodstock or potential broodstock are to be kept or nt?	n any site Y
Point of Compliance for Farm Mana	agement Agreements Only	
24. Does the farm management agree parties to the agreement?	ement include arrangements for persons to become,	or cease to be, N/A
Management and operation		
25. Is the fish farm being managed an	nd operated in accordance with the agreement or star	tement?
26. What is the version no/date of issu	ue of the FMAg/S? 26/02/2018	

Site No: FS0683

Case No: 2018-0114

Nature of non-compliance:

Action taken (FHI):

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

Case No:	2018-0114			Date of visit: 27/03/2018								
Site No:	FS0683]		Inspector: SAE								
Results Summary	Freq.	<u> </u>	Date of Notification									
results Summary	. 104.	Database	Insp	Phone	Insp	Writing	Insp	2 nd Insp				
	1											
	1											
D C				1								
Report Summary	D (nd									
Case Type ECI, CNI, SLI, VMD	Date	Insp	2 nd Insp									
ECI, CNI, SLI, VMD	09/04/2018	SAE	ALW									
				-								
				4								
	+											
				1								
				-								
	1											





The Scottish Salmon Company 1 Smithy Lane Lochgilphead Argyll PA31 8TA

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

Business No FB0169 **Date of Visit** 27/03/2018

SITE NO FS0683 SITE NAME Gob a Bharra Loch Fyne

INSPECTOR Svenja Elwenn Case No 20180114

Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

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

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

Records

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

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

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

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

Mortality records were inspected and found to be adequately maintained.

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

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

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

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

• FS numbers must be recorded in the source/destination section of the movement record book, to allow for better traceability of stocks. It was discussed with the site manager that this would be recorded in future. No further action is required.

These must be addressed to ensure the conditions of authorisation for your Aquaculture Production Business (APB) are being met.

Inspection under the Animals and Animal Products (Examination for Residues and Maximum Residue Limits) (England and Scotland) Regulations 2013

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 assistance or clarification in implementing any requirement or recommendation detailed in this report.

Signed:

Fish Health Inspector

Date: 09/04/2018

FHI 059, Version 11	Is	ssued by: FHI	Date of issue: 12/09/2017						
Case No: 2018-0115			Date of visit: 28/03/2018						
Time spent on site:	5 hrs	Main I	nspector: SAE						
Site No: FS1112 Business No: FB0456	Site Name: Business Name:	Etive 4 Dawnfresh Farming Ltd	1						
Case Types: 1 ECI	2 CNI 3 SLI	4 VMD 5	6						
Water Temp (°C): 6.2	Thermometer No:	Site	FHI 045 completed						
Observations:	Region: ST	Water type: S	CoGP MA: M-36						
Dead/weak/abnormally behavir	•		nal information/clinical score sheet.						
Clinical signs of disease observed?	/ed?		nal information/clinical score sheet. nal information/clinical score sheet.						
Diagnostic samples taken?		N N	ar information/offinioal source sheet.						
UNI/REG only - if unable to car	UNI/REG only - if unable to carry out intended visit detail reason below:								

Additional Case Information:

not allowed cleaner fish, but have access to medicinal treatments and mechanical treatments.

FMS prepared, however in communication with SFF (only other operator)

Cages with larger fish had a large number of fish with damage to the caudal fin, this is thought to be due to aggressive feeding behaviour. This didn't appear to affect the fish. Cages with smaller stock did not appear to show the same issues yet.

FHI 059, Version 11			Issu	ied by: FHI		Date of	issue: 12/09/2017		
Case No:	2018-0115		Site No:	FS1112	2				
Date of Visit:		28/03/2018	8		Inspector(s)	: SAE			
Registration/Authornal 1. Business/site deta 2. Changes made to	ails summar		site representa	ative?		Y N			
Site Details									
Total No facilities		10	Facilities sto	cked	10	No facilities inspect	ted 10		
Species	RTR	RTR							
Age group	2014	2016							
No Fish	238,665	262,095							
Mean Fish Wt	2.7kg	1.55kg							
Next Fallow Date (S	ite)	March 2019)	Next Input Da	ate (Site)	End of April 2019			
Recent (last 4 wks)	disease prol	blems?		N	Any escape	es (since last visit)?	N		
If yes, detail:									
Movement Records	S								
1. Movement record	ls available f	or inspection?	,				Y		
2. Date of last inspe						23/02/20	016		
3. Are records comp		•					Y		
4. Are movement re							Y		
5. Are records comp							Y NI/A		
6. Are health certific	6. Are health certificates for introductions (outwith GB) available?								
Transport Records									
1. Are any movemen	nts carried o	out by (or on be	ehalf) of the bu	isiness (not us	sing a STB)?		Y		
If yes, is there a sys		• •	,	•			Y		
Mortality Records									
Mortality records:	available for	inspection?					Y		
2. How are mortalities		•			Whole fish -	- Dundas Chemicals			
If other detail:	some go to	Billy Bowie in							
3. Mortality records	complete an	d correctly en					Y		
			flow causing w/b 12/3 2,1	pockets in the	e nets; w/b 5/3	e - decomposed this is 3/ 1,902 morts for site osed; w/b 19/3 1,576 n	- decomposed;		
4. Recent mortality (•		decomposed	d.			V		
5. Evidence of recer		* *					Y		
If yes, facility nos/no					Larga tidoo in	ant weeks which a	the rote to		
bag and create folds	s. This mean	ns morts are p	redominantly b			recent weeks which o	cause the nets to		
6. Any other peaks i		• .					Y		
	4/9/17-10/9 morts per v	9/17 2,592 moi week per site o	rts per week pedecomposed (d	er site due to s divers) and trea	seal damage	3 morts due to treatments. 18-24 -1/10/2017 3,934 per s	4/9/17 2,951		
If yes, detail:			al and treatme				NI/A		
7. Have increased (•) mortalities be	en reported to) vet or FHI?			N/A		
If yes, detail action:	rantal boon i	reported to EL	II2 If no add M	IDT coco and	anter en mort	tality ayanta ahaat	N/A		

FHI 059, Version 11	Issued by: FHI	Date of issue: 12/09/2017
Treatments and Medicines Records		
1. Recent treatments (last 4 wks)?		Y
If yes, detail:		
If other, detail: TMS		
2. Medicines records available for inspe	ction?	Y
3. Are records complete and correctly en	ntered?	Y
4. Are fish in a withdrawal period?		Y
5. If yes, what treatment(s)?		
If other, detail: TMS		
6. Are medicines stored appropriately?		Y
Biosecurity Records		
Biosecurity records available for inspending	ection?	Y
2. Has the manner and frequency of mo	rtality removal, recording and safe disposal bee	en considered?
3. Has the manner and period in which t	he APB will notify Scottish Ministers or veterina	ry professional of any
increased (unexplained) mortality at the	site been included?	Y
	e event that the presence or suspicion of the pre when that will be notified to Scottish Ministers?	
5. Has the health status of aquaculture a health status, certification if required)?	animals being stocked on the farm site been co	vered (equal or higher Y
	neasures implemented between each epidemic movement of staff, visitors, equipment, live or d	
	the measures in place to maintain the physical	

PKD (not suspected to cause mortality)

8. Have the biosecurity procedures been adequately implemented on site?

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

If no, detail:

Results of Surveillance

3. Any significant results?

issues - environmental)

2. If yes, are results available for inspection?

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

Records checked between:

Oct 2017 PKD identified in T6, multiple factor attributed to slightly increased morts through autumn (treatments, tides, gill

23/02/2016 - 28/03/2018

FHI 059, Version 11							Issued by: FHI							
	Case no:	2018-01	115	Site No:		FS1112			Date of Samplin		28/0	03/2018	28/0	
	Priority samples:	VI		ВА		PA		MG		g. HI				
	Time sampling starts/ends:	13:2	0:00	13:3	0:00	1	Inspecto	or:	SAE		VMD No	o. (2	
	Environmental conditions:	1	Indoors	2		3		4		5				
	Summary samples	HIST		ВА		MG		VI		PA		Total Sa	amples	
A	dd Fish/Pools - click													
	Pool/Fish No													
	Fish nos	1	2											
	Pool Group													
	Species	RTR	RTR											
	Average weight	700g	700g											
	Sex	N/A	N/A											
	Water Type	SW	SW											
.,														
<u>0</u>														
Details		Ф 2	e 2											
-	Stock Origin	Etive	Etive 2											
Stock	Facility No	<u>Ш</u> 1	10											
Ο.	7		. •											

THE GOO, VOICION TE								loodod by. I I II							
D3/2018 Additional Sample Information:															
0	0 Total Tests assigned 0														
															•

FHI 059, Version 11		Issued by: FHI			Date	of issue	: 12/09/2017
Case Number:	2018-0115		Site No:	FS1112		Insp:	SAE
Date of Visit	28/03/2018		No of me	ovements/s	supp./dest.		Score
Live fish movements			0	1-5	6-10	>10	
Movements on (from out	Frequency of m	ovements on from equivalent MS	0	5	10	14	0
with GB) of susceptible species		ovements on from equivalent zone or			40		
species		cluding third country	0	_		26	0
	Number of supp		1 0			14	
Movements off	Frequency of m		0			10	6
	Number of dest		0			10	3
Exposure via water	IFarm is protect	Site contacts	0	1-5	6-10		
Water contacts with other farms (holding species	disinfection or b	•	0				
susceptible to same diseases)	farms upstream	or in a coastal zone with category I or within 1 tidal excursion	1	2	4		2
		or in a coastal zone with category III or within 1 tidal excursion	1	3	6		
		or in a coastal zone with category V or within 1 tidal excursion	1	4	8		
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 prod	cessing	0]			0
and raise of the angents	Processing own	n fish (re-cycling risk)	1				
	Processing fish	from MS of equivalent status	2				
	Processing fish equivalent statu	from zone or compartment of	4				
		from Category III farm	8				
	Processing fish	from Category V farm	10				
Disposal of fish and fish by-	Site's own wast	e only processed.	0				
products	Common proce	sses with other farms	3				3
	Collection point	for waste from other farms	5				
Use of unpasteurised feeds	No feeding of u	npasteurised feed	0	1			0
	Feeding unpast	eurised 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 st	aff and equipment	0	1	2		2
Disinfection of equipment between sites, use of	Yes		0				
footbaths etc	No		1				1
CoGP/Regulator	lv.			1			
Practices in accordance with regulator or industry	Yes		0				0
code of practice	No		3				
Platform access to cages	Yes		0				0
	No		2]			
					Total		19
					Rank		MEDIUM

FHI 059, Version 11	Issued by: FHI	Date of issue: 12/09/2017
Case No: 2018-0115	Site No:	FS1112
Sea Lice Inspection (Seawater Sites Only) 1. Has the site experienced sea lice problem		N
	equivalent) fallowed synchronously on a single y	ear class basis?
azamethiphos and emamectin benzoate) as can these be deployed in a reasonable perio	cenced in-feed and bath sea lice medications (inc well as access to suitable biological and/or med d of time? gement agreement or statement relevant to the s	hanical control measures, and
 Are sea lice count records available for ins 	spection? (Legal SSI, CoGP Annex 6)	Y
	standard specified in the SSI and the CoGP? (L	egal SSI, CoGP Annex 6)
7. Are sea lice (<i>L. salmonis</i>) record levels be records are inspected? (CoGP Annex 6)	elow the suggested criteria for treatment in the Co	oGP during the period that
8. Have average adult female sea lice (<i>L. sai</i> records are inspected?	Imonis) numbers per fish been at a level of 3 or a	above during the period that N
If yes, have these been reported to the Fish I	Health Inspectorate? If no, FHI see comment.	N/A
9. Is C. elongatus infestation at a level which	n is considered to cause significant welfare proble	ems? (CoGP 4.3.81, 5.3.50)
	istered or other actions taken when <i>L. salmonis</i> elongatus is considered to have welfare implicat	
11. Has any other action been taken (where	applicable)?	N/A
12. Have therapeutic treatments or the action	ns taken had a significant impact upon the lice le	vels recorded?
	d out in cooperation between participating farms? where fewer populations or part populations are	
15. Is there a site specific written lice managescenarios during the escalation of a sea lice	ement procedure with waypoints describing set a infestation?	actions to deal with recognised N
16. Does the stock on site appear satisfactor reasons.	y in relation to sea lice level and sea lice count d	lata? If no please detail
	ge due to predators in the current or previous pr	
Are measures in place to mitigate against	the predation experienced on site? (Detail below	Υ Υ
If other, detail below:		
	the base and waterline, top nets, centre weights	3
3. Have escape incidents or events been ex	perienced on or in the vicinity of the site since the	e last FHI inspection?
If Yes proceed with questions 4 – 9. If No ski		
4. Have these been reported to Scottish Mini	sters?	
5. Have these been reported to local DSFB for	orthwith (where they exist)? (CoGP - 4.4.37, 5.4	l.17)
6. Have these been reported to the SSPO an	nd local fisheries trusts forthwith (where they exis	t)? (CoGP – 4.4.37, 5.4.17)
7. Were methods (if any) used to recover esc	capees? If yes give detail	
	greed with local wild fish interests and was perm	ission given by Scottish
Ministers? (Legal, CoGP – 4.4.38, 5.4.18)		
	imise the risk of further escapes? (Not covered in	n code but could
be considered under satisfactory measu		
10. Is the site inspected as satisfactory with i	regards to containment? If no, please detail reason	on(s)

FHI 059, Version 11	Issued by: FHI	Date of issue: 12/09/2017
Case No: 2018-0115	Site No: FS1112	
Date of Visit: 28/03/2018	8 Inspector: SAE	
Point of Compliance		
1. Is the farm under inspection located If N, no further questions require comp	•	Y
Points of Compliance for Both Farm	Management Agreements and Statements	
3. Is the current FMAg/S available for i4. Does the FMAg/S identify the releva5. Does the FMAg/S identify the fish fa	ant farm management area? arm site(s) to which it applies? of commencement of the agreement or statemer	Y Y Y
Arrangements for Fish Health Mana	gement	
farm? 9. Does the FMAg/S identify the vaccin 10. Does the FMAg/S identify the spec 11. Does the FMAg/S identify the maxi individual farm? 12. Does the FMAg/S identify the arrar fish farm in the area or the individual farm. Arrangements for The Management	of Sea Lice	or farm? Y r farm? Y n the area or the Pad fish from any Y
	ments for the sharing of data on sea lice number	
of statement? 15. Does the FMAg/S identify any require on farms in the area or individual factorized the farms in the area or individual factorized on farms in the area or individual	mstances under which biological controls and cl	reatments for sea Y Ileaner fish are to be
Live Fish Movements		
area or farm?	imstances when live fish may be introduced or rengements for the movement of live fish on and o	

FHI 059, Version 11	Issued by: FHI	Date of issue: 12/09/2017
Harvesting		
20. Does the FMAg/S identify acceptab	ole harvest practices on farms in the area or individ	dual farms?
Fallowing		
21. Does the FMAg/S identify the dates date when a farm or area may be resto	s by which the area or individual farm will be fallow ocked?	and the earliest Y
•	one or more year classes may be stocked onto sit	tes covered by the Y
	broodstock or potential broodstock are to be kept at?	on any site Y
Point of Compliance for Farm Manag	gement Agreements Only	
24. Does the farm management agree parties to the agreement?	ment include arrangements for persons to become	e, or cease to be, N/A
Management and operation		
25. Is the fish farm being managed and	d operated in accordance with the agreement or st	tatement?
26. What is the version no/date of issue	e of the FMAg/S? 13/02/2018	

Site No: FS1112

Case No: 2018-0115

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

Case No:	2018-0115			Date of visit	28/03/2018				
Site No:	FS1112]		Inspector	SAE]			
Describe Company		1				4in n			
Results Summary	Freq.	Database	Insp	Phone	te of Notifica		Writing Insp		
			<u> </u>				'	2 nd Insp	
	Ì				1				
	-								
	1				†				
				-					
Report Summary									
Case Type ECI, CNI, SLI, VMD	Date	Insp	2 nd Insp						
ECI, CNI, SLI, VMD	10/04/2018	SAE	ALW						
case closed	16/04/2018	SAE	DJT						
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				-					
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				_					
	+								





Dawnfresh Farming Ltd Bothwellpark Industrial Estate Uddingston Lanarkshire G71 6LS

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

 Business No
 FB0456
 Date of Visit
 28/03/2018

 Site No
 FS1112
 Site Name
 Etive 4

 Inspector
 Svenja Elwenn
 Case No
 20180115

Case completion report

Recommendations in relation to the above case were made for implementation by 10 May 2018. Following submission of the required documentation, evidence has now been provided to Marine Scotland to demonstrate that the recommendations have been implemented.

This case will now be closed. This site may be subject to further audit and recommendations in the future.

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

Signed: Date: 16/04/2018

Fish Health Inspector

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Marine Scotland website at www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter





Dawnfresh Farming Ltd Bothwellpark Industrial Estate Uddingston Lanarkshire G71 6LS

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

Business NoFB0456Date of Visit28/03/2018Site NoFS1112Site NameEtive 4InspectorSvenja ElwennCase No20180115

Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

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

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

Records

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

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

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

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

Mortality records were inspected and found to be adequately maintained.

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

R25

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

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

Inspection under the Animals and Animal Products (Examination for Residues and Maximum Residue Limits) (England and Scotland) Regulations 2013

Medicine records were inspected and found to be adequately maintained.

Samples were taken to be analysed for veterinary residues.

Inspection under the Aquaculture and Fisheries (Scotland) Act 2007

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

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

On this occasion the following recommendations were issued in relation to section 3 regarding parasites (sea lice):

- There was no harvesting strategy for the site, where fewer populations or part populations are held without treatment for sea lice.
- There was no site specific written lice management procedure with waypoints describing set actions to deal with recognised scenarios during the escalation of a sea lice infestation.

Records or documentation demonstrating that these points have been addressed should be sent to the Fish Health Inspectorate (contact details below) within 30 days of this report. The site may be subject to further inspection or enforcement action should the appropriate action regarding the above points not be taken within the time period stipulated.

Please contact myself or the duty inspector should you require any assistance or clarification in implementing any requirement or recommendation detailed in this report.

Signed:

Fish Health Inspector

Date: 10/04/2018

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Marine Scotland website at www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter

Annex - The Aquaculture and Fisheries (Scotland) Act 2007

Section 4A of the Aquaculture and Fisheries (Scotland) Act 2007, as amended, introduces the requirement for a person carrying out the business of fish farming within a farm management area⁽¹⁾ to:

- (a) be party to a farm management agreement, or prepare and maintain a farm management statement, in relation to the fish farm, and
- (b) ensure that the fish farm is managed and operated in accordance with the agreement or statement.

To ensure compliance with the Aquaculture and Fisheries (Scotland) Act 2007, as amended, the following points must be addressed in the farm management agreement/statement [delete as appropriate]

- The statement or agreement must identify the farm management area to which the agreement or statement applies.
- The statement or agreement must identify the fish farm sites to which the agreement or statement applies.
- The statement or agreement must identifying the date of commencement
- The statement or agreement must identify the date of review (farm management agreements or statements must be reviewed at least every two years).
- In the case of a farm management agreement, arrangements for persons to become, or cease to be, parties to the agreement.

The statement or agreement must include arrangements for;

NB if the FMAg/FMS includes some arrangements on health management, live fish movements or harvesting from our checklist, do not make any further recommendations regarding the missing points and delete these sections. Only include recommendations if health management, live fish movements or harvesting have not been addressed at all [delete this paragraph before issuing report].

- Fish health management
 - This may include the minimum health standards for stocks introduced to the area; vaccination requirements of stocks held in the area; the species of fish to be stocked into any farm in the area; the maximum stocking density of any cage on any fish farm in the area and the arrangements for the storage and disposal of any dead fish from the area (examples for guidance).
- The management of parasites⁽²⁾
 This must include arrangements for the synchronisation of treatments; the availability of and use of medicines; requirements for sensitivity testing; the sharing of data and information on sea lice numbers and treatments and the use of biological controls and cleaner fish.

- The movements of live fish on and off the farms
 This may include the methods and circumstances in which live fish will be introduced to
 or removed from the area (examples for guidance).
- The harvesting of fish
 This may include details of acceptable harvesting practices; whether by live or dead fish
 removal and details of containment and biosecurity (examples for guidance).
- Fallowing of the farms after harvesting
 This must include the dates for fallowing of the area, the earliest date of restocking, identify whether one or more year classes may be stocked onto sites covered by the agreement & identify whether broodstock or potential broodstock are to be kept on any site covered by the agreement.

A copy of this annex has been sent to [insert business name of other signatories to the FMAg] as signatories to the farm management agreement for area [insert area]. [Delete as appropriate - include only for agreements]

⁽¹⁾ Farm management area means an area specified as such in the Code of Good Practice for Scottish Finfish Aquaculture

⁽²⁾ Parasites as defined in The Aquaculture and Fisheries (Scotland) Act 2007 which means *Caligus elongatus* and *Lepeophtherius salmonis*