FHI 059, Version 12		Issued by: FHI	Date of issue: 08/10/2018				
Case No: 2018-0392			Date of visit: 02/10/2018				
Time spent on site:	1	Main Inspect	or: DJT				
Site No: FS0643 Business No: FB0169	Site Name: Business Name:	Langass Hatchery The Scottish Salmon Compar	ny				
Case Types: 1 MIX 2	2 3	4 5	6				
Water Temp (°C):	Thermometer No:		FHI 045 completed				
Observations:	Region: WI	Water type: F	CoGP MA:				
Dead/weak/abnormally behaving to Clinical signs of disease observed Gross pathology observed? Diagnostic samples taken?	•	If yes, see additional information/clinical score sheet. If yes, see additional information/clinical score sheet. If yes, see additional information/clinical score sheet.					
UNI/REG only - if unable to carry	out intended visit deta	il reason below:					

Feed mixing inspection conducted, no issues raised all required paperwork available.

Case No:	2018-0392			Date of visit:	02/10/2018			
Site No:	FS0643	1		Inspector:	DJT	l		
Results Summary	Freq.			Da	te of Notificat	tion		
Í	·	Database	Insp	Phone	Insp		Insp	2 nd Insp
Donort Cummon								
Report Summary	Data	la a a	and .					
Case Type MIX	Date	Insp	2 nd Insp					
IVIIA	12/10/2018	DJT	ALW					

FHI 059, Version 12		Issued by: FHI	Date of issue: 08/10/2018							
Case No: 2018-0437			Date of visit: 23/10/2018							
Time spent on site:	1 hour	Main Ins	pector: JET							
Site No: FS0575 Business No: FB0061	Site Name: Business Name:	Ormsary Smolt Unit Landcatch Natural Select	ion Ltd							
Case Types: 1 MOV	2 3	4 5	6							
Water Temp (°C):	Thermometer No:		FHI 045 completed							
Observations:	Region: ST	Water type: F	CoGP MA:							
Dead/weak/abnormally behaving fish present? Clinical signs of disease observed? Gross pathology observed? Diagnostic samples taken? If yes, see additional information/clinical score s N If yes, see additional information/clinical score s N N										
UNI/REG only - if unable to carry out intended visit detail reason below:										

Export inspection - 6250 Atlantic salmon (2019 S1) from Tank BP1 being sent to Dubai on 24/10/2018. Health certificate issued - MD18/041 783,000 smolts moved off site during October 2018 Prior to week 43 fish in tank BP1 were in Tank C2

FHI 059, Version 12			Issu	ued by: FHI			Date of issu	e: 08/10/2018
Case No:	2018-0437		Site No:	FS057	5			
Date of Visit:		23/10/201	8		Inspector(s)	: JET]
Registration/Authornal 1. Business/site det 2. Changes made to	ails summar		site represent	ative?			Y N]
Site Details								
Total No facilities		108	Facilities sto	ocked	100	No facilitie	es inspected	1
Species	SAL	SAL						
Age group	2018 S0	2019 S1						
No Fish	560,631	2,485,962						
Mean Fish Wt	90g	45g						
Next Fallow Date (S	Site)	N/A		Next Input D	ate (Site)	January 2	019	
Recent (last 4 wks)	dispasa prol	hlame?		,	Y Any escape	e (einca last	vicit\2	N
If yes, detail:			egnia) - mainly	affecting 201		s (Silice last	visit):	IN
			- g)		0 00 010011			
Movement Record								
1. Movement record		or inspection?					10/10/0010	Y
2. Date of last inspe			0				10/10/2018	· V
3. Are records comp		•		2				Y N/A
4. Are movement re				<i>!</i>				
5. Are records comp		•		oblo?				N/A N/A
6. Are health certific		Jauctions (out	WILLI GD) avall	able !				IN//A
Transport Records								
1. Are any moveme		- '			-			
If yes, is there a sys	sterri iri piace	i ioi iiiaiiileiiai	ice or transpo	riation records	o (
Mortality Records1. Mortality records	available for	increation?						Y
2. How are mortaliti		•			Incinerated	- on site		
If other detail:	es disposed	OI:			incinerated	- 011 3116		
3. Mortality records	complete an	d correctly en	tered?					Y
		·	2018 S0 sto	ck - 23557 (0.	6%) 2019 S1	stock - 5974	l (0.07%). Tar	k BP1 stock -
4. Recent mortality	(last 4 wks):		70 morts in	last 4 weeks.				
5. Evidence of rece		• •						Y
If yes, facility nos/no								
S0 stock week 41 ir site has been treating			to 11248/weel	k. Following w	eek dropped b	ack down to	6270/week -	Saprolegnia -
6. Any other peaks	•		hecked?					N
If yes, detail:								
7. Have increased (unexplained) mortalities be	een reported t	o vet or FHI?				N/A
If ves. detail action:								

N/A

8. Have 'mortality events' been reported to FHI? If no, add MRT case and enter on mortality events sheet.

FHI 059, Version 12	Issued by: FHI	Date of issue: 08/10/2018
1. Recent treatments (last 4 wks)?		
If yes, detail:		
If other, detail:		
2. Medicines records available for inspe	ection?	
3. Are records complete and correctly e	entered?	
4. Are fish in a withdrawal period?		
5. If yes, what treatment(s)?		
If other, detail:		
6. Are medicines stored appropriately?		
Biosecurity Records		
Biosecurity records available for insp	pection?	
•	ortality removal, recording and safe disposal bee	n considered?
	the APB will notify Scottish Ministers or veterinar	
increased (unexplained) mortality at th	•	, , , , , , , , , , , , , , , , , , , ,
4. Has the action that will be taken in th	ne event that the presence or suspicion of the pre	esence of a listed disease
is detected been included and how and	d when that will be notified to Scottish Ministers?	
5. Has the health status of aquaculture	animals being stocked on the farm site been cov	vered (equal or higher
health status, certification if required)?		
6. Have the husbandry and biosecurity	measures implemented between each epidemiol	logical unit to minimise
transmission of disease been covered	(movement of staff, visitors, equipment, live or de-	ead fish etc.)?
7. Is documentation available regarding	g the measures in place to maintain the physical	containment of
aquaculture animals held on site?		
8. Have the biosecurity procedures bee	en adequately implemented on site?	
If no, detail:		

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

Results of Surveillance

3. Any significant results?

2. If yes, are results available for inspection?

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

Records checked between:

24/09/2018 - 23/10/2018

Case No:	2018-0437			Date of visit:	23/10/2018			
Site No:	FS0575]		Inspector:	JET]		
Results Summary	Freq.				te of Notifica			
results outlinary	1 104.	Database	Insp		Insp	Writing	Insp	2 nd Insp
					1			
						1		
Danast Comment				1				
Report Summary	- ·		nd .					
Case Type	Date	Insp	2 nd Insp					
MOV	26/10/2018	JE I	ALW					
				4				





Landcatch Natural Selection Ltd Ormsary Fish Farm Lochgilphead Argyll PA31 8PE

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS NO FB0061 **DATE OF VISIT** 23/10/2018

SITE NO FS0575 SITE NAME Ormsary Smolt Unit

INSPECTOR Joe Triscott **CASE No** 20180437

Inspection for export to a third country

The above site was visited and a consignment of Atlantic salmon smolts for export to Dubai was inspected. A health certificate was issued which must travel with the consignment to the destination.

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

Signed: Date: 26/10/2018

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 12		Issued by: FHI	Date of issue: 08/10/2018							
Case No: 2018-0438			Date of visit: 29/10/2018							
Time spent on site:	1.5 hours	Main In	spector: JET							
Site No: FS0913 Business No: FB0391	Site Name: Business Name:	Wester Fearn Highland Salmon Compa	any Ltd							
Case Types: 1 VMD	2 3	4 5	6							
Water Temp (°C):	Thermometer No:		FHI 045 completed							
Observations:	Region: HI	Water type: F	CoGP MA:							
Dead/weak/abnormally behavin Clinical signs of disease observ Gross pathology observed? Diagnostic samples taken?	•	N If yes, see additional information/clinical score sheet. N If yes, see additional information/clinical score sheet. N If yes, see additional information/clinical score sheet. N								
UNI/REG only - if unable to carry out intended visit detail reason below:										

Stock vaccinated (PD1 and Micro 6) 8-12 October 2018 Fish sampled for VMD appeared healthy.

FHI 059, Version 12			Issı	ued by: FHI			Date of issu	ле: 08/10)/2018
Case No:	2018-0438		Site No:	FS0913	3				
Date of Visit:		29/10/2018	3		Inspector(s):	JET		7	
1. Business/site deta	ails summary		site represent	ative?			Y N	}	
Site Details									
Total No facilities		15	Facilities sto	ocked	11	No facilitie	s inspected	15	
Species	SAL								
No Fish	312,812								
Mean Fish Wt	40g								
Next Fallow Date (S	ite)	December 2	018	Next Input Da	ate (Site)	January 20)19		
Recent (last 4 wks) If yes, detail:	disease prob	lems?		N	Any escapes	s (since last	visit)?	N	
	s								
1. Movement record	ls available fo	or inspection?					26/10/2017		Y
· · · · · · · · · · · · · · · · · · ·		rectly entered	7				20/10/2017	T	Y
·		•		?					N/A
Date of Visit: 29/10/2018 Inspector(s): JET Registration/Authorisation Details 1. Business/site details summary checked by site representative? 2. Changes made to details? Site Details Total No facilities Species SAL Age group No Fish No Fish Mean Fish Wt Next Fallow Date (Site) December 2018 Next Input Date (Site) Nany escapes (since last visit)? Nany escapes (since last visit)?		N/A							
6. Are health certific	ates for intro	ductions (outv	vith GB) avail	able?					Y
Transport Records									
•		ut by (or on be	half) of the b	usiness (not us	ing a STB)?				
If yes, is there a sys	tem in place	for maintenan	ice of transpo	ortation records	?				
Mortality Records									
	available for i	inspection?							Y
					Other (detail))			
•	•	d correctly enter							Y
•	`			ite					
		• •		,					N
If yes, facility nos/no	mortality per	r facility/no sto	ock per facility	//reason:					
6. Any other peaks i	n mortality du	uring period ch	necked?						N
•									
,	unexplained)	mortalities be	en reported t	o vet or FHI?					N/A
•									
8. Have 'mortality ev	/ents' been re	eported to FHI	? If no. add N	∕IRT case and ε	enter on morta	ality events s	heet.		N/A

FHI 059, Version 12	Issued by: FHI	Date of issue: 08/10/2018
FILO39, VEISION 12	issueu by. Ffii	Date of Issue. 06/10/2016
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?		Υ
5. If yes, what treatment(s)?	T.M.S.	
If other, detail:		
6. Are medicines stored appropriately?		Y
Biosecurity Records		
1. Biosecurity records available for inspection?		
2. Has the manner and frequency of mortality remain	val repording and sofe diaposal been considere	A2

2. Medicines records availab	•		Y							
3. Are records complete and4. Are fish in a withdrawal per	•		Y							
5. If yes, what treatment(s)?	mou!	T.M.S.	'							
If other, detail:		T.W.O.								
6. Are medicines stored app	ropriately?		Υ							
Biosecurity Records		·								
1. Biosecurity records availal	ble for inspection?									
2. Has the manner and frequ	ency of mortality removal, recor	rding and safe disposal been considered?								
3. Has the manner and period in which the APB will notify Scottish Ministers or veterinary professional of any										
increased (unexplained) mortality at the site been included?										
A. Haradia and a distribution										
	taken in the event that the present how and when that will be no	ence or suspicion of the presence of a listed disease								
		ed on the farm site been covered (equal or higher								
health status, certification if r	•	or the farm one been covered (equal or migner								
•	•	red between each epidemiological unit to minimise								
	· ·	isitors, equipment, live or dead fish etc.)?								
		ce to maintain the physical containment of								
aquaculture animals held on	site? edures been adequately implem	ented on site?								
If no, detail:	saures been adequately implem	ented on site:								
Results of Surveillance										
Results of Surveillance										
•	rveillance been carried out by, or	r on behalf of, the business?								
2. If yes, are results available	e for inspection?									
3. Any significant results?										
if yes, detail (if not detailed u	under recent disease problems).									
Dagarda	abadiad batusani	26/10/2017 20/10/2019								

26/10/2017 - 29/10/2018

Priority samples:	2018-04 VI	138	Site No:		FS0913			Date of v		29/	10/2018	
	VI							Sampling	٦٠.			
ime sampling			BA		PA		MG		J. HI			
starts/ends:	15:0	0:00	15:2	0:00		Inspecto	or:	JET		VMD No).	3
Environmental conditions:	1	Indoors	2		3		4		5			
Summary samples	HIST		BA		MG		VI	I	PA		Total Sa	amples
d Fish/Pools - click												
Pool/Fish No												
ish nos	1-8	9-12										
Pool Group												
Species	SAL	SAL										
Average weight	40g	40g										
Sex	N/A	N/A										
Vater Type	FW	FW										
Stock Origin	Marine I Ireland - Hatchery	Marine Ireland - Hatchery										
	nvironmental conditions: ummary samples I Fish/Pools - click ool/Fish No ish nos ool Group pecies verage weight ex Vater Type	tarts/ends: nvironmental conditions: 1 ummary samples HIST Fish/Pools - click ool/Fish No ish nos 1-8 ool Group pecies SAL verage weight 40g ex N/A vater Type FW tock Origin	tarts/ends: nvironmental conditions: I Fish/Pools - click ool/Fish No ish nos ool Group pecies verage weight ex Vater Type Tock Origin tock Origin I Indoors HIST I Indoors HIST A Fish/Pools - click SAL SAL Value Hatchery A N/A Vater Type Tock Origin	tarts/ends: nvironmental conditions: I Indoors I Indo	tarts/ends: nvironmental conditions: Indoors I	tarts/ends: nvironmental conditions: 1 Indoors 2 3 ummary samples HIST BA MG A Fish/Pools - click ool/Fish No ish nos ool Group pecies SAL verage weight ex N/A N/A Vater Type Tock Origin Tock Origin A June 1 - June	tarts/ends: nvironmental conditions: 1 Indoors 2 3 ummary samples HIST BA MG Fish/Pools - click ool/Fish No ish nos ool Group pecies SAL verage weight ex N/A Vater Type tock Origin tock Origin 1 Indoors 2 3 3 3 3 4 And	tarts/ends: nvironmental conditions: 1 Indoors 2 3 4 ummary samples HIST BA MG VI Fish/Pools - click ool/Fish No ish nos ool Group pecies SAL verage weight ex N/A Vater Type tock Origin sample Auricest Au	tarts/ends: nvironmental conditions: 1 Indoors 2 3 4 ummary samples HIST BA MG VI Fish/Pools - click ool/Fish No ish nos ool Group pecies SAL SAL verage weight ex N/A N/A vater Type FW FW tock Origin authorized August	tarts/ends: nvironmental conditions: 1 Indoors 2 3 4 5 ummary samples HIST BA MG VI PA I Fish/Pools - click ool/Fish No ish nos ool Group pecies pecies SAL verage weight 40g 40g ex N/A N/A Vater Type FW FW tock Origin	tarts/ends: nvironmental conditions: 1 Indoors 2 3 4 5 ummary samples HIST BA MG VI PA I Fish/Pools - click ool/Fish No ish nos ool Group pecies sAL SAL verage weight ex N/A N/A Vater Type FW FW tock Origin and the sample of the s	tarts/ends: nvironmental conditions: 1 Indoors 2 3 4 5 ummary samples HIST BA MG VI PA Total Sa Fish/Pools - click ool/Fish No ish nos ol Group pecies SAL SAL verage weight ex N/A N/A vater Type Ty

	Addition	nal Sam	ple Infor	mation:							
0	1	Total To	ests ass	igned	0	1					

Site No: FS0913

Case No: 2018-0438

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

Case No:	2018-0438			Date of visit: 29/10/2018					
Site No:	FS0913	1		Inspector:	JET	1			
Results Summary	Freq.			Da	te of Notificat	tion			
		Database	Insp	Phone	Insp	Writing	Insp	2 nd Insp	
						1			
D 0			_						
Report Summary	_		nd						
Case Type VMD	Date	Insp	2 nd Insp SAE						
VMD	07/11/2018	JE I	SAE						
	1								





Highland Salmon Company Ltd New House Ardchronie Ardgay, Sutherland IV24 3DJ

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

 Business No
 FB0391
 Date of Visit
 29/10/2018

 Site No
 FS0913
 Site Name
 Wester Fearn

 Inspector
 Joe Triscott
 Case No
 20180438

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

The above site was visited in accordance with the Animals and Animal Products (Examination for Residues and Maximum Residue Limits) (England and Scotland) Regulations 2013.

Samples were taken to be analysed for veterinary residues.

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

Records

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

Medicine records were inspected and found to be adequately maintained.

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

Mortality records were inspected and found to be adequately maintained.

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



Date: 07/11/2018

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

FHI 059, Version 12	1	ssued by: FHI		Date of	issue: 08/10/2018		
Case No: 2018-0439				Date of visit:	30/10/2018		
Time spent on site:	hours	M	lain Inspector	: <u>J</u>	ET		
Site No: FS0770 Business No: FB0398	Site Name: Business Name:	Duartmore Loch Duart Ltd					
Case Types: 1 ECI 2	2 CNI 3 VMD	4	5	6			
Water Temp (°C): 7.2	Thermometer No:	Site	ב	FHI 045 comple	eted		
Observations:	Region: HI	Water type:	F	CoGP MA:			
Dead/weak/abnormally behaving fish present? Clinical signs of disease observed? Gross pathology observed? Diagnostic samples taken? N If yes, see additional information/clinical score sheet. N If yes, see additional information/clinical score sheet. N If yes, see additional information/clinical score sheet.							
UNI/REG only - if unable to carry out intended visit detail reason below:							

41,871 fish culled w/b 15/10/18 - undersized fish that were unable to be vaccinated.

Dead fish waste taken to Badcall prior to being transported to Gray Composting. Fish waste movements to Badcall recorded in site diary.

Fish sampled for VMD appeared healthy.

FHI 059, Version 12			Issu	ed by: FHI			Date of issu	ue: 08/10/2018	
Case No:	2018-0439	Sit	e No:	FS0770					
Date of Visit:		30/10/2018			Inspector(s):	: JET]	
Registration/Authornamental 1. Business/site detaction 2. Changes made to	ails summary		epresenta	itive?			Y N	}	
Site Details									
Total No facilities		23 Fac	cilities sto	cked	23	No facilitie	es inspected	23	
Species	SAL								
Age group	2019 S1								
No Fish	401,634								
Mean Fish Wt	35g								
Next Fallow Date (S	Site)	April 2019		Next Input Dat	te (Site)	June 2019)		
					1			_	
Recent (last 4 wks)	disease probl	lems?		N	Any escapes	s (since last	visit)?	N	
If yes, detail:									
Movement Record	•								
Movement record		er inepaction?						Y	
2. Date of last inspe		i inspection:					25/10/2017		
3. Are records comp		ectly entered?					20/10/2017	Y	
4. Are movement re		•	nd waste?					Y	
5. Are records comp			10.5.5					Y	
6. Are health certific			GB) availa	able?				N/A	
Transport Records		Ì							
1. Are any movemen	nts carried ou	it by (or on behalf)) of the bu	siness (not usi	ng a STB)?			Y	
If yes, is there a sys	tem in place f	or maintenance c	of transpor	tation records?	}			Y	
Mortality Records									
1. Mortality records	available for i	nspection?						Y	
2. How are mortalities		•			Other (detail)			
		Gray Composting	, Aberdee						
3. Mortality records	complete and	correctly entered	! ?					Y	
4. Recent mortality	(last 4 wks):	37!	5 across s	ite					
5. Evidence of recer	nt increased/a	atypical mortalities	?					N	
If yes, facility nos/no	mortality per	facility/no stock r	per facility/	reason:					
6. Any other peaks i	in mortality du	iring period check	led?					N	
If yes, detail:									
7. Have increased (mortalities been r	eported to	vet or FHI?				N/A	
If yes, detail action:				D.T.				N1/A	
8. Have 'mortality ev	vents' been re	ported to FHI? If /	no. add M	RT case and e	enter on morta	ality events s	sheet.	N/A	

If yes, detail:	T.M.S.							
If other, detail:								
	s available for inspection?	Y						
·	plete and correctly entered?	Y						
4. Are fish in a withd		Y						
5. If yes, what treatm	nent(s)? T.M.S.							
If other, detail:								
6. Are medicines sto	red appropriately?	Y						
Biosecurity Record	ds .							
1. Biosecurity record	ds available for inspection?	Υ						
2. Has the manner a	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						
		V						
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?								
health status, certific	atus of aquaculture animals being stocked on the farm site been covered (equal or higher							
ricaliii Status, Certino								
6. Have the husband	dry and biosecurity measures implemented between each epidemiological unit to minimise	Y						
	ase 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	held on site?							
	rity procedures been adequately implemented on site?	Y						
If no, detail:								
Results of Surveilla	ance							
1. Has any animal he	ealth surveillance been carried out by, or on behalf of, the business?	Υ						
	available for inspection?	Y						
3. Any significant res	sults?	N						
, ,	etailed under recent disease problems).							

25/10/2017 - 30/10/2018 Records checked between:

Case no: 2018-0439 Site No: FS0770 Date of visit/ Sampling: Priority samples: VI BA PA MG HI	018
Time sampling 11:00:00 11:30:00 Inspector: JET VMD No. starts/ends:	9
Environmental conditions: 1 Indoors 2 3 4 5	
Summary samples HIST BA MG VI PA Total	al Samples
Add Fish/Pools - click	
Pool/Fish No	
Fish nos 1-8 9-16 17-24 25-32 33-36	
Pool Group	
Species SAL SAL SAL SAL SAL	
Average weight 40g 40g 40g 40g 40g	
Sex N/A N/A N/A N/A N/A	
Water Type FW FW FW FW	
Stock Details Onarthwore Hatchery All Diagrams Douglin Facility No A1 A4 B4 B5 D3 D3 D3 D3 D3 D3 D3 D4 D4 D5 D5 D5 D6 D6 D7 D7 D8 D8 D8 D9 D9 D9 D9 D9 D9 D9	
Facility No A1 A4 B4 B5 D3	

	Additional Sample Information:												
0		Total Te	ests ass	igned	0								

FHI 059, Version 12		Issued by: FHI			Date	of issue	: 08/10/20
Case Number:	2018-0439		Site No:	FS0770		Insp:	JET
Date of Visit	30/10/2018		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	
with GB) of susceptible species		novements on from equivalent zone or	0	0	40	20	
Species	compartment in Number of supp	cluding third country	0			26 14	
							<u></u>
Movements off	Frequency of m		0			10	1
-	Number of dest		0			10	
Exposure via water Water contacts with other	Earm is protect	Site contacts ed (secure water supply through	0	1-5	6-10		
farms (holding species	disinfection or b		0				
susceptible to same		or in a coastal zone with category I					
diseases)		or within 1 tidal excursion	1	2	4		<u> </u>
		or in a coastal zone with category III or within 1 tidal excursion	1	3	6		
		or in a coastal zone with category V	· ·		3		\vdash
		or within 1 tidal excursion	1	4	8		
Management practices			None	Secure	Unsecure		
Water contacts with	Any processing	plant discharging into adjacent waters			Chicocare		
processors	7 7	, plant aloonalging line aujacom hatolo	0	1	2		
On farm processing within	No on farm pro	cessing		1			
the rules of the directive	Processing own	n fish (re-cycling risk)	0				
	Processing fish	from MS of equivalent status	2	-			_
		from zone or compartment of					
	equivalent statu		4				
	Processing fish	from Category III farm	8				
	Processing fish	from Category V farm	10				
Disposal of fish and fish by-	Site's own wast	e only processed.	0				
products	Common proce	sses with other farms	3				
	Collection point	for waste from other farms	5				
Use of unpasteurised feeds	No feeding of u	npasteurised feed	0	1			
, , , , , , , , , , , , , , , , , , , ,	Feeding unpas	<u>'</u>	5	-			
Biosecurity	3 1	Number of sites	1	」 2 or 3	≥ 4		
Contacts with other sites	Sites operating	from single shorebase		1	2		
	Sites sharing st	aff and equipment	0		2		
Disinfection of equipment	Yes		0	1			
between sites, use of footbaths etc	No		1				
CoGP/Regulator			<u> </u>	J			
Practices in accordance	Yes]			
with regulator or industry	No		0				
code of practice	140		3	J			
Platform access to cages	Yes		0]			
	No		2				\vdash
				J			
					Total		1
					Rank		MEDIUM

Case No:	2018-0439		S	ite No:	FS0770]	
Sea Lice Inspection (9	Seawater Sites Only) nced sea lice problems in	n the previous 4 years	s?				
•	Ianagement Area (or equ			a single y	ear class basis?		
azamethiphos and ema	access to a range of licer amectin benzoate) as we in a reasonable period ocumented farm manager equivalent)?	ell as access to suitat of time?	ole biological an	nd/or mecl	hanical control meas		
5. Are sea lice count re	ecords available for inspe	ection? (Legal SSI, Co	oGP Annex 6)				
6. Do records adequate	ely reflect the required st	tandard specified in th	ne SSI and the (CoGP? (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)	w the suggested crite	ria for treatment	t in the Co	oGP during the perio	d that	
8. Have average adult female sea lice (<i>L. salmonis</i>) numbers per fish been at a level of 3 or above during the period that records are inspected?							
If yes, have these been	reported to the Fish He	ealth Inspectorate? If r	no, FHI see com	nment.			
9. Is C. elongatus infes	station at a level which is	s considered to cause	significant welf	are proble	ems? (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	pplicable)?					
•	eatments or the actions		nt impact upon t	the lice lev	vels recorded?		
13. Are treatments, who	ere conducted, carried o	out in cooperation betw	ween participatir	ng farms?	•		
14. Is there a harvestin sea lice?	ng strategy for the site, w	here fewer population	ns or part popula	ations are	held without treatme		
	scalation of a sea lice inf		aypoints descri	bing set a	ictions to dear with re	scoginsed	
16. Do the sea lice leve	els observed on stocks re	eflect sea lice count d	lata? If no pleas	se detail re	easons.		
2. Are measures in pla	nced equipment damage ce to mitigate against the	•	•	•	•	N Y	
Outer fence around t	·					_	
If other, detail below:							
If Yes proceed with que	ents or events been expendential extensions 4 – 9. If No skip to ported to Scottish Minister	to question 10	icinity of the site	e since the	e last FHI inspection	? N	
5. Have these been rep	ported to local DSFB fort	thwith (where they exis	st)? (CoGP - 4	.4.37, 5.4	.17)		
6. Have these been rep	ported to the SSPO and	local fisheries trusts for	orthwith (where	they exist	t)? (CoGP – 4.4.37,	5.4.17)	
7. Were methods (if an	y) used to recover escap	pees? If yes give deta	il				
8. If gill nets were deple	oyed was this action agre	eed with local wild fish	n interests and v	was perm	ission given by Scot	tish	
Ministers? (Legal, CoG							
	en to prevent and minim		escapes? (Not	covered in	n code but could		
	r satisfactory measure						
10. Is the site inspected	d as satisfactory with reg	gards to containment?	If no, please de	etail reaso	on(s)	Y	

Issued by: FHI

Date of issue: 08/10/2018

FHI 059, Version 12

Case No:	2018-0439	Date of visit: 30/10/2018						
Site No:	FS0770	Inspector: JET						
Results Summary	Freq.			Da	te of Notificat	tion		
Í	· ·	Database	Insp	Phone	Insp		Insp	2 nd Insp
	<u> </u>							
	 							
	1							
	<u> </u>							
	 							
	1							
Report Summary								
Case Type ECI, CNI, VMD	Date	Insp	2 nd Insp					
ECI, CNI, VMD	07/11/2018	JET	SAE					
	 							





Loch Duart Ltd Badcall Salmon House Scourie, Lairg Sutherland IV27 4TH

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

Business NoFB0398Date of Visit 30/10/2018Site NoFS0770Site NameDuartmoreInspectorJoe TriscottCase No20180439

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.

Samples were taken to be analysed for veterinary residues.

Inspection under the Aquaculture and Fisheries (Scotland) Act 2007

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

On this occasion the site was found to be satisfactory.

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

Signed:

Fish Health Inspector

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

Date: 07/11/2018

FHI 059, Version 11		Issued by: FHI	Date of issue: 12/09/2017					
Case No: 2018-0471			Date of visit: 01/10/2018					
Time spent on site:	1 hr	Main	Inspector: SAE					
Site No: SS0002	Site Name:	Loch Fyne						
Business No: SB0002	Business Name:	Loch Fyne Oysters Ltd	d					
Case Types: 1 ECI	2 3	4 5	6					
Water Temp (°C): N/A	Thermometer No:		FHI 045 completed					
Observations:	Region: ST	Water type: S	CoGP MA:					
Dead/weak/abnormally behaving	g fish present?	N If yes, see addition	onal information/clinical score sheet.					
Clinical signs of disease observe	ed?		onal information/clinical score sheet.					
Gross pathology observed?		N If yes, see addition	onal information/clinical score sheet.					
Diagnostic samples taken?		N						
UNI/REG only - if unable to carry out intended visit detail reason below:								

No mussels observed growing on any baskets or trestles. Trestles inspected at low tide, no water temperature measured.

FHI 059, Version 11			Issu	ıed by: FHI			Date of issu	e: 12/09/2017	
Case No:	2018-0471		Site No:	SS0002					
Date of Visit:		01/10/20	18		Inspector(s):	SAE]	
Registration/Autho 1. Business/site deta 2. Changes made to	ails summary		site representa	ative?			Y Y]	
Site Details									
			7			1		161	
T (181 (199		000	- ""		161 baskets,	N. 6 11141		baskets, 6	
Total No facilities Species	CGI	999 CGI	Facilities sto	ocked	6 crates	No facilities	sinspected	crates	
Age group	2018	Mixed							
No Fish	10,465	35,000	_	-					
	55g	Mixed	-	-					
Mean Fish Wt				Navt Innut Da	-t- (C:t-)	O - 4 - 1 00	14.0		
Next Fallow Date (S	ite)	N/A		Next Input Da	ate (Site)	October 20)18		
Recent (last 4 wks)	disease nroh	lems?		N	Any escapes	(since last v	/isit)?	N	
If yes, detail:	alocase prob	1011101			7 trly escapes	(Silloc last)	noity:		
Movement Records									
1. Movement record		or inspection	?				4 = 10 0 10 0 4 0	Y	
 2. Date of last inspection: 3. Are records complete and correctly entered? 									
3. Are records complete and correctly entered?									
4. Are movement re				?				N/A	
5. Are records comp		•		labla?				N/A N/A	
6. Are health certific	ates for intro	ductions (ou	t with GB) avai	iable?				IN/A	
Transport Records	•								
1. Are any movemen	nts carried ou	ıt by (or on b	ehalf) of the bu	usiness (not us	ing a STB)?				
If yes, is there a sys	tem in place	for maintena	ance of transpo	rtation records	?				
Mortality Records									
1. Mortality records	available for i	inspection?						Y	
2. How are mortalities	· ·				Other (detail)				
If other detail:	Empty shells								
3. Mortality records	•	d correctly er						Y	
4. Recent mortality (•		0 in Septem	ber				N	
5. Evidence of recer		• •		//				N	
If yes, facility nos/no	mortality per	r lacility/no s	tock per racility	//reason:					
6. Any other peaks i	n mortality du	ring period	checked?					N	
If yes, detail:									
7. Have increased (unexplained) mortalities been reported to vet or FHI?									
If yes, detail action:									
8. Have 'mortality ev	ents' been re	ported to FI	HI? If no, add M	IRT case and e	enter on morta	lity events s	heet.	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)?		
If yes, detail:		

Treatments and Medicines Records								
1. Recent treatments (last 4 wks)?								
If yes, detail:								
If other, detail:								
2. Medicines records available for inspection?								
3. Are records complete and correctly entered?								
4. Are fish in a withdrawal period?								
5. If yes, what treatment(s)?								
If other, detail:								
6. Are medicines stored appropriately?								
Biosecurity Records								
·								
Biosecurity records available for inspection?								
2. Has the manner and frequency of mortality removal, record	ding 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								
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.								
5. Has the health status of aquaculture animals being stocked on the farm site been covered (equal or higher								
health status, certification if required)?								
6. Have the husbandry and biosecurity measures implemented between each epidemiological unit to minimise								
transmission of disease been covered (movement of staff, visitors, equipment, live or dead fish etc.)?								
7. Is documentation available regarding the measures in place to maintain the physical containment of								
aquaculture animals held on site?								
8. Have the biosecurity procedures been adequately implemented on site?								
If no, detail:								
Results of Surveillance								
4 Hanney and health arms there have a mind out by	and half of the business O	N						
1. Has any animal health surveillance been carried out by, or on behalf of, the business?								
2. If yes, are results available for inspection?								
3. Any significant results?								
If yes, detail (if not detailed under recent disease problems).								

Records checked between:

15/08/2018 - 01/10/2018

FHI 059, Version 11 Issued by: FHI Date of issue: 12/09/2017 Case Number: 2018-0471 SS0002 Site No: Date of Visit SAE 01/10/2018 Inspector: Number of Susceptible species on site If no susceptible species present = LOW risk If susceptible species present, score for each pathogen No Yes Susceptible to Bonamia ostrea (OED) 0 25 0 Susceptible to Marteilia refringens (OED, MED) 0 3 0 Susceptible to OsHV (CGI) 0 3 3 1 2-5 >6 Sites within a tidal excursion Site contacts Number of sites holding susceptible species within a tidal excursion 0 2 10 0 0 1-2 >3 Live shellfish movements 0 5 10 O Frequency of movements on from equivalent MS Movements on Frequency of movements on from equivalent zone or compartment including third country 0 10 20 0 Number of suppliers 0 5 10 0 Movements off Frequency of movements off within MSS Management 0 2 1 0 Frequency of movements off outwith MSS Management 0 6 Areas 3 6 0 Number of destinations 3 6 **Secure Unsecure** Management (effluent (no effluent practices None treatment) treatment) Water contacts with Depuration of stock from own sites within MSS depuration facilities management area 0 2 0 Depuration of stock from other businesses sites within MSS management area 0 2 6 n Depuration of stock from sites out with MSS 0 4 8 4 management area **Number of sites** ≥ 4 1 2 or 3 Biosecurity Sites operating from single shorebase 0 Contacts with other Sites sharing staff and equipment sites Yes No Disinfection of equipment between sites, use of footbaths etc 0 0

Total Risk

MEDIUM

Case No:	2018-0471	Date of visit: 01/10/2018							
Site No:	SS0002	Inspector: SAE							
Results Summary	Freq.	Date of Notification							
		Database	Insp	Phone	Insp	Writing	Insp	2 nd Insp	
	+								
	+								
				<u> </u>	<u> </u>			Į	
Report Summary	_			1					
Case Type	Date	Insp	2 nd Insp	1					
ECI		T	WJM	-					
case closed	17/10/2018 26/11/2018	SAF	KAS	-					
0000 010000	20/11/2010	OAL	10.0	-					
	1			1					
				1					
				-					
	1								





Loch Fyne Oysters Ltd Clachan Ardkinglas Cairndow, Argyll PA26 8BL

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

 Business No
 SB0002
 Date of Visit
 01/10/2018

 Site No
 SS0002
 Site Name
 Loch Fyne

 Inspector
 Svenja Elwenn
 Case No
 20180471

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.

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

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

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

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

- Some crates with undersized oysters were stored on the site due to pump failure.
 These were however not recorded as movements onto the site. All movements on or
 off the site must be recorded. Please also ensure that the sites these oysters originate
 from make a matching record in their records for the movement.
- Site numbers were not recorded in movement records. This was discussed with the manager and must be recorded in future.
- The biosecurity measures plan did not specify that stock must only be sourced from areas with equal or higher health status.

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

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





Loch Fyne Oysters Ltd Clachan Ardkinglas Cairndow, Argyll PA26 8BL

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

 BUSINESS NO
 SB0002
 DATE OF VISIT
 01/10/2018

 SITE NO
 SS0002
 SITE NAME
 Loch Fyne

 INSPECTOR
 Svenja Elwenn
 CASE NO
 20180471

Case completion report

Recommendations in relation to the above case were made for implementation by 17/11/2018. 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.

Signed: Date: 26/11/2018
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 iss	sue: 12/09/2017
Case No: 2018-0472				Date of visit: 02	/10/2018
Time spent on site: 4h		ם ו	Main Inspector	r: SAE	
Site No: FS0323	Site Name:	Cairndow Hatche			
Business No: FB0560	Business Name:	Lakeland (Cairno	dow) Ltd		
Case Types: 1 ECI 2	CNI 3 VMD	4	5	6	
Water Temp (°C): 9	Thermometer No:	T205		FHI 045 complete	d
Observations:	Region: ST	Water type:	F	CoGP MA:	
Dead/weak/abnormally behaving f	fish present?	Y If yes, see a	additional inforn	mation/clinical score	sheet.
Clinical signs of disease observed	l?			mation/clinical score	
Gross pathology observed?		N If yes, see a	additional inforn	mation/clinical score	e sheet.
Diagnostic samples taken?		N			
UNI/REG only - if unable to carry of	out intended visit detail rea	ason below:			

Additional Case Information:

All movements done by Migdale (approved transporter).

Some dorsal fin erosion visible in most tanks, low levels of fungus observed in a few tanks. Worst affected was approximately 20 fish with fungus. However these were actively swimming and dispersed when approached.

Fish sampled for VMD appeared healthy.

FHI 059, Version 11			Issu	ied by: FHI			Date of issu	e: 12/09/2017
Case No:	2018-0472		Site No:	FS0323	3			
Date of Visit:		02/10/2018	3		Inspector(s): SAE]
Registration/Authornal 1. Business/site det 2. Changes made to	ails summary		ite representa	ative?			Y N	}
Site Details								
		75 tanks +	1			7		
Total No facilities Species	SAL	hatchery	Facilities sto	cked	34 tanks	No facilitie	s inspected	34 tanks
Age group	2019 S1							
No Fish	1,386,278							
Mean Fish Wt	31g							
Next Fallow Date (S	Site)	Nov-18		Next Input Da	ate (Site)	Novembe	2018	
Recent (last 4 wks)				Y	Any escape	es (since last	visit)?	N
If yes, detail:	rungus not d	causing a lot o	r mortality					
Movement Record								
1. Movement record		or inspection?					08/11/2017	Y
 Date of last inspense. Are records compared to the c		rectly entered?	>				06/11/2017	Y
4. Are movement re				•				Y
5. Are records comp	olete and corr	rectly entered?	?					Y
Are health certific	ates for intro	ductions (outv	vith GB) availa	able?				Y
Transport Records	5							
1. Are any moveme	nts carried ou	ut by (or on be	half) of the bu	usiness (not us	sing a STB)?			N
If yes, is there a sys	tem in place	for maintenan	ce of transpo	rtation records	?			
Mortality Records								
1. Mortality records		•						Y
How are mortaliti If other detail:	es disposed o	ot?			Ensiled - or	n site		
3. Mortality records	complete and	d correctly ent	ered?					Y
4. Recent mortality	(last 4 wks):		between 3 - the whole sit	133 per tank p	er day mostly	attributed to	fungus, wk 3	9 0.51% for
5. Evidence of recei	` ′	atypical morta						N
If yes, facility nos/no		• •		/reason:				
C. American manales	: t i t -							V
6. Any other peaks		• .		ed due to lack	of rainfall/low	water levels	1 week not r	eported see
If yes, detail:	mort events	tab for details	3		- Carrian/10W			•
7. Have increased (unexplained)	mortalities be	en reported to	o vet or FHI?				N/A
If yes, detail action: 8. Have 'mortality ev	vents' been re	eported to FHI	? If no. add M	IRT case and	enter on mor	tality events	sheet.	l N

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 details		

If yes, detail:	
If other, detail: Pyceze	
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 health status, certification if required)?	1
riediti status, certification ii requireu):	
6. Have the husbandry and biosecurity measures implemented between each epidemiological unit to minimise	Y
transmission of disease been covered (movement of staff, visitors, equipment, live or dead fish etc.)?	
7. Is documentation available regarding the measures in place to maintain the physical containment of	Y
aquaculture animals held on site?	
8. Have the biosecurity procedures been adequately implemented on site?	Y
If no, detail:	
Results of Surveillance	
1. Has any animal health surveillance been carried out by, or on behalf of, the business?	Y
2. If yes, are results available for inspection?	Y
3. Any significant results?	N
If yes, detail (if not detailed under recent disease problems).	

Records checked between: 08/11/2017 - 02/10/2018

ai 059, version i i							155	ueu by. r	111			
Case no:	2018-04	172	Site No:		FS0323					02/	10/2018	02/
Priority samples:	VI		ВА		PA		MG		J. HI			
Time sampling starts/ends:				0:00		Inspecto	or:	SAE		VMD No	o. 	6
Environmental conditions:	1	Indoors	2		3		4		5			
Summary samples	HIST		ВА		MG		VI		PA		Total Sa	mples
dd Fish/Pools - click												
Pool/Fish No												
Fish nos	1-8	9-16	17-24									
Pool Group												
Species	SAL	SAL	SAL									
Average weight	30g	30g	30g									
Sex	N/A	N/A	N/A									
Water Type	FW	FW	FW									
Stock Origin Facility No	Aquagen Norway	Aquagen Norway										
	Case no: Priority samples: Time sampling starts/ends: Environmental conditions: Summary samples dd Fish/Pools - click Pool/Fish No Fish nos Pool Group Species Average weight Sex Water Type	Case no: Priority samples: VI Time sampling starts/ends: Environmental conditions: 1 Summary samples HIST dd Fish/Pools - click Pool/Fish No Fish nos 1-8 Pool Group Species SAL Average weight 30g Sex N/A Water Type FW	Case no: Priority samples: VI Time sampling 12:00:00 starts/ends: Environmental conditions: Summary samples HIST dd Fish/Pools - click Pool/Fish No Fish nos 1-8 9-16 Pool Group Species SAL SAL SAL Average weight 30g 30g Sex N/A N/A Water Type FW Are Average Weight Sex N/A N/A Water Type Are Average FW Are Average Weight Sex N/A N/A Water Type Are Average FW Are Average Weight Sex N/A N/A Water Type Are Average FW Are Average Weight Sex N/A N/A Water Type Are Average FW Are Average Male Average FW Are Average FW	Case no: Priority samples: VI BA Time sampling 12:00:00 12:3 starts/ends: Environmental conditions: 1 Indoors 2 Summary samples HIST BA Add Fish/Pools - click Pool/Fish No BA Fish nos 1-8 9-16 17-24 Pool Group Species SAL SAL SAL SAL Average weight 30g 30g 30g Sex N/A N/A N/A N/A Water Type FW FW FW New York Sew N/A	Case no: Priority samples: VI BA Time sampling 12:00:00 12:30:00 starts/ends: Environmental conditions: Summary samples HIST BA Add Fish/Pools - click Pool/Fish No Fish nos Fish nos Fool Group Species SAL Average weight Sex N/A Water Type Site No: 12:00:00 12:30:0	Case no: 2018-0472 Site No: FS0323 Priority samples: VI BA PA Time sampling starts/ends: 12:00:00 12:30:00 12:30:00 Summary samples: 1 Indoors 2 3 Summary samples: HIST BA MG dd Fish/Pools - click BA MG MG Pool/Fish No Indoors Indoors	Case no: 2018-0472 Site No: FS0323 Priority samples: VI BA PA Time sampling starts/ends: 12:00:00 12:30:00 Inspector Environmental conditions: 1 Indoors 2 3 Summary samples HIST BA MG dd Fish/Pools - click Pool/Fish No Inspector Inspector Fish nos Inspector Inspector Pool Group Inspector Inspector Species SAL SAL Average weight 30g 30g Sex N/A N/A N/A N/A N/A Water Type FW FW FW FW FW	Case no: 2018-0472 Site No: FS0323 Priority samples: VI BA PA MG Time sampling starts/ends: 12:00:00 12:30:00 Inspector: starts/ends: Inspector: Inspector: Sumple conditions: 4 Summary samples HIST BA MG VI dd Fish/Pools - click BA MG VI Pool/Fish No BA MG VI Fish nos 1-8 9-16 17-24 Descension of the conditions: A Pool Group Species SAL SAL SAL SAL Average weight 30g 30g 30g SO SO	Case no: 2018-0472 Site No: FS0323 Date of v Sampling Priority samples: VI BA PA MG MG	Case no: 2018-0472 Site No: FS0323 Date of visit/ Sampling: Priority samples: VI BA PA MG HI Time sampling 12:00:00 12:30:00 Inspector: SAE starts/ends: Environmental conditions: 1 Indoors 2 3 4 5 5 Summary samples HIST BA MG VI PA dd Fish/Pools - click Pool/Fish No Fish nos 1-8 9-16 17-24 Pool Group Species SAL SAL SAL Average weight 30g 30g 30g 30g Sex N/A N/A N/A N/A N/A Water Type FW FW FW FW FW Sex	Case no: 2018-0472 Site No: FS0323 Date of visit/ 02/ Sampling: Priority samples: VI	Case no: 2018-0472 Site No: FS0323 Date of visit/ Sampling: Date of visit/ Sampling: Sampling: Date of visit/ Date of visit/ Date of visit/ Sampling: Date of visit/ Da

10/2018 Additional Sample Information:														
0		Total To	ests ass	signed	0	1								
				99	•									

FHI 059, Version 11	Issued by: FHI Date of issue							017
Case Number:	2018-0472		Site No:	FS0323		Insp:		
Date of Visit	02/10/2018		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		٦
with GB) of susceptible species		novements on from equivalent zone or	0	9	18	26		Q
	Number of sup	ocluding third country	0			14	\vdash	5
Movements off			0			10		10
Movements on	Frequency of m		0		6	10	\vdash	6
Exposure via water	1	Site contacts	0	1-5			_	
Water contacts with other		ed (secure water supply through	_					
farms (holding species susceptible to same	disinfection or l	orehole) or in a coastal zone with category I	0					_
diseases)		or within 1 tidal excursion	1	2	4			1
	Farm is on-line	or in a coastal zone with category III						
		n or within 1 tidal excursion	1	3	6		<u> </u>	_
		or in a coastal zone with category V or within 1 tidal excursion	1	4	8			
Management prostings	<u> </u>		None	Coouro	Llaggering			
Management practices Water contacts with	Any processing	plant discharging into adjacent waters	None	Secure	Unsecure			
processors	Any processing	g plant discharging into adjacent waters	0	1	2			0
On farm processing within	No on farm pro	cessing	0	1				0
the rules of the directive	Processing own	n fish (re-cycling risk)	1				\vdash	Ť
	Processing fish	from MS of equivalent status	2					
		from zone or compartment of	1					
	equivalent statu	i from Category III farm	8	1			 	\dashv
		from Category V farm	10				\vdash	\dashv
D: 1 (C) 1 (C) 1] 1			 	=
Disposal of fish and fish by- products			0				<u> </u>	0
·	-	esses with other farms	3					
	Collection point	t for waste from other farms	5]			Ь_	┙
Use of unpasteurised feeds		npasteurised feed	0					0
	Feeding unpas		5	J				
Biosecurity	lo:	Number of sites	1	2 or 3	≥4			
Contacts with other sites		from single shorebase	0		2		<u> </u>	0
	Sites sharing s	taff and equipment	0	1	2		<u></u>	1
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				\vdash	Ĭ
				J				
					Total			32
					Rank		HIGH	

Case No:	2018-0472		Site No:	FS0323	
·	Seawater Sites Only)	in the previous 4 years?			
•	•	quivalent) fallowed synchronous	sly on a single v	year class hasis?	
		enced in-feed and bath sea lice			
azamethiphos and em can these be deployed	amectin benzoate) as v I in a reasonable period	well as access to suitable biolog I of time?	gical and/or med	chanical control measures, an	d
Is there a signed do Management Area (or		ement agreement or statement i	relevant to the s	ite and CoGP Farm	
5. Are sea lice count re	ecords available for insp	pection? (Legal SSI, CoGP Anne	ex 6)		
6. Do records adequat	ely reflect the required s	standard specified in the SSI an	nd the CoGP? (L	Legal SSI, CoGP Annex 6)	
7. Are sea lice (<i>L. saln</i> records are inspected		ow the suggested criteria for tre	eatment in the C	oGP during the period that	
Have average adult records are inspected		monis) numbers per fish been a	t a level of 3 or	above during the period that	
If yes, have these bee	n reported to the Fish H	lealth Inspectorate? If no, FHI se	ee comment.		
9. Is <i>C. elongatus</i> infe	station at a level which	is considered to cause significa	nt welfare probl	ems? (CoGP 4.3.81, 5.3.50)	
		stered or other actions taken whelongatus is considered to have			
11. Has any other action	on been taken (where a	ipplicable)?			
12. Have therapeutic t	reatments or the actions	s taken had a significant impact	upon the lice le	evels recorded?	
13. Are treatments, wh	ere conducted, carried	out in cooperation between par	ticipating farms	?	
14. Is there a harvestir sea lice?	ng strategy for the site,	where fewer populations or part	populations are	e held without treatment for	
	cific written lice manage scalation of a sea lice in	ement procedure with waypoints infestation?	describing set a	actions to deal with recognise	d
16. Does the stock on reasons.	site appear satisfactory	in relation to sea lice level and	sea lice count of	data? If no please detail	
Containment Inspect					
1. Has the site experie	nced equipment damag	ge due to predators in the currer	nt or previous pr	roduction cycles?	N
2. Are measures in pla	ice to mitigate against the	he predation experienced on site	e? (Detail below	v)	Υ
If other, detail below					
site inside					
3. Have escape incide	ents or events been exp	perienced on or in the vicinity of	the site since th	e last FHI inspection?	N
If Yes proceed with qu	estions 4 – 9. If No skip	to question 10			
4. Have these been re	ported to Scottish Minis	sters?			
5. Have these been re	ported to local DSFB fo	orthwith (where they exist)? (CoC	GP - 4.4.37, 5.4	4.17)	
6. Have these been re	ported to the SSPO and	d local fisheries trusts forthwith ((where they exis	et)? (CoGP – 4.4.37, 5.4.17)	
7. Were methods (if ar	ny) used to recover esca	apees? If yes give detail			
8. If gill nets were dep	oyed was this action ag	greed with local wild fish interest	s and was perm	nission given by Scottish	
Ministers? (Legal, CoC	SP – 4.4.38, 5.4.18)				
9. What action was tal	cen to prevent and minir	mise the risk of further escapes	? (Not covered i	in code but could	
be considered unde	r satisfactory measur	res of the Act)			
10. Is the site inspecte	d as satisfactory with re	egards to containment? If no, ple	ease detail reas	on(s)	Υ

Issued by: FHI

Date of issue: 12/09/2017

FHI 059, Version 11

Site No: FS0323

Case No: 2018-0472

Nature of non-compliance:

Action taken (FHI):

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

Case No:	2018-0472	Site No:	FS0323	Date of visit:	02/10/2018	3			
Start date:	End date: (if applicable)	Size of fish:	Average weight of affected population:	Species:	Yearclass:	Timescale	Mortality rate recorded(%):	Explained/ unexplained:	If explained, select reason(s):
16/07/18	22/07/2018	5g to smolting	5g	SAL	2019 S1	Weekly	1.57	Explained	Fungus, Water quality
									AGD Algal blo BKD Bonamia CMS Complex
									☐ ERM☐ Failed sr☐ Fungus☐ Furuncul
									Gaffkaer Gastroer Gill issue

If unexplained, select observations:	Total mortality during event (if available):	Additional information (e.g. action taken by company):	Action taken by FHI (include case no where applicable):
	25,289	Issues with low rainfall having to reuse water in a non-recirculation system, causing fungal issues and grading activity causing mortality from handling	Other mortality events in previous weeks had been reported. Following week mortality fell to 1.4%, then 0.3% the week after. Recorded during inspection 2/10/18.
oom			
asis			
k gill issues			
molts			
losis mia			
nteritis			
es			
▼			

Case No:	2018-0472			Date of visit:	02/10/2018					
Site No:	FS0323]		Inspector:	SAE]				
Results Summary	Freq.			Date of Notification						
Results Summary	1 164.	Database	Insp	Phone	Insp	Writing	Insp	2 nd Insp		
								- 1		
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	†					 				
	1			1	1	1		1		
						Ì				
D C				1						
Report Summary	5 .		nd							
Case Type ECI, CNI, VMD	Date	Insp	2 nd Insp							
ECI, CNI, VMD	11/10/2018	SAE	ALW							
				4						
	+	-		4						
	+			4						
				-						
	1									





Lakeland (Cairndow) Ltd c/o Cooke Aquaculture Scotland Ltd Crowness Road, Hatston Kirkwall Orkney KW15 1RG

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

DATE OF VISIT 02/10/2018

SITE NAME Cairndow Hatchery

Business No FB0560 Site No FS0323

INSPECTOR Svenja Elwenn Case No 20180472

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

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

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

Mortality records were inspected and found to be adequately maintained.

Mortality levels had exceeded the reporting criteria since the last inspection and had not been reported to the Fish Health Inspectorate. I would like to remind you of the industry agreement in relation to mortality reporting as detailed in A Code of Good Practice for Scottish Finfish Aquaculture.

R04

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 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: 11/10/2018
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	I	ssued by: FHI		Date of i	issue: 12/09/2017
Case No: 2018-0473				Date of visit:	02/10/2018
Time spent on site:	3 hours	N	/lain Inspector	r: A	LW
Site No: FS0476	Site Name:	Quoys Hatchery			
Business No: FB0095	Business Name:	Cooke Aquacultur	e Scotland Lt	td	
Case Types: 1 ECI	2 CNI 3 VMD	4 MIX	5	6	
Water Temp (°C): 8.5	Thermometer No:	T148)	FHI 045 comple	eted
Observations:	Region: SH	Water type:	F	CoGP MA:	
Dead/weak/abnormally behaving	ng fish present?	N If yes, see ad	lditional inforn	mation/clinical sco	ore sheet.
Clinical signs of disease observ	/ed?	N If yes, see ad	lditional inforn	mation/clinical sco	ore sheet.
Gross pathology observed?		N If yes, see ad	lditional inforn	mation/clinical sco	ore sheet.
Diagnostic samples taken?		N			
UNI/REG only - if unable to car	ry out intended visit detail	reason below:			

Additional Case Information:

2018 S0 stock due to transfer to Lyrawa Bay in mid October. Stock from Snarravoe will then be transferred onto the site. All production is organic.

No broodstock on site. Broodstock held at Turness will be transferred to new Aquagen Scotland site at Holywood. Ova for Quoys will be supplied from Holywood rather than from Norway.

Recently used new vaccination machine to vaccinate the parr. Can vaccinate 100,000+ fish per day. Team do not vaccinate the fish directly, just ensure that the are in correct orientation in the racking system. Company plan to use this system for future vaccinations as it worked very well with 98% accuracy. The fish can also be graded as they go through the vaccination machine.

Planning permission has been submitted to build a new recirculation system beside the current hatchery. This would produce an additional two crops of 500,000 fish per year.

Water in tanks quite dark and visibility poor, but fish sampled for VMD looked in very good condition.

FHI 059, Version 11			Issu	ed by: FHI			Date of issu	e: 12/09/2017	
Case No:	2018-0473		Site No:	FS0476					
Date of Visit:		02/10/2018	3		Inspector(s):	ALW]	
Registration/Autho 1. Business/site deta 2. Changes made to	ails summary		ite representa	ative?			Y Y]	
Site Details									
Total No facilities Species	SAL	26 + hat	Facilities sto	cked	13	No facilitie	s inspected	26 + hat	
•	2018 S0								
No Fish	346,614								
Mean Fish Wt	70g								
Next Fallow Date (Si		N/A		Next Input Da	te (Site)	Mid Octob	er 2018		
TYCK! I allow Date (O	110)	14// (Next input bu	•	IVIId Cotob	01 2010		
Recent (last 4 wks)	disease probl	ems?		N	Any escapes	(since last	visit)?	N	
If yes, detail:									
Movement Records									
		r inapportion?						Y	
 Movement records Date of last inspect 		i inspection?					03/10/2017	'	
3. Are records comp		ectly entered	?				00/10/2011	Y	
4. Are movement red		•						Y	
5. Are records comp								Y	
6. Are health certification		•		able?				Y	
Transport Records									
1. Are any movemer If yes, is there a syst		• '		· ·	•			Y	
Mortality Records	'		•						
mortality records									
1. Mortality records a	available for in	nspection?						Y	
2. How are mortalities	es disposed o	f?			Ensiled - on s	site			
If other detail:									
3. Mortality records of	complete and	correctly ent						Y	
4. Recent mortality (last 4 wks):		w/b 1/9/18 - Attributed to	1052, w/b 8/9/ [,] fungus	18 - 850, w/b 1	15/9/18 - 57	3, w/b 22/9/1		
5. Evidence of recent increased/atypical mortalities?								N	
If yes, facility nos/no mortality per facility/no stock per facility/reason:									
C. Amy other medical		*!						NI NI	
Any other peaks in If yes, detail:	n mortality du	ring period cr	ieckea?					N	
7. Have increased (unexplained) mortalities been reported to vet or FHI?									
If yes, detail action:	inoxpiaineu) i	nortalities be	on reported to	, , , , , , , , , , , , , , , , , , , ,				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	heet.	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)?
If yes, detail: T.M.S.
If other, detail:
2. Medicines records available for inspection?
3. Are records complete and correctly entered?
4. Are fish in a withdrawal period?
5. If yes, what treatment(s)?
If other, detail:
6. Are medicines stored appropriately?
Biosecurity Records
Biosecurity records available for inspection?
2. Has the manner and frequency of mortality removal, recording and safe disposal been considered?
3. Has the manner and period in which the APB will notify Scottish Ministers or veterinary professional of any
increased (unexplained) mortality at the site been included?
4. Has the action that will be taken in the event that the presence or suspicion of the presence of a listed disease
is detected been included and how and when that will be notified to Scottish Ministers?
5. Has the health status of aquaculture animals being stocked on the farm site been covered (equal or higher
health status, certification if required)?
6. Have the husbandry and biosecurity measures implemented between each epidemiological unit to minimise
transmission of disease been covered (movement of staff, visitors, equipment, live or dead fish etc.)?
7. Is documentation available regarding the measures in place to maintain the physical containment of
aquaculture animals held on site?
8. Have the biosecurity procedures been adequately implemented on site?
If no, detail:
Results of Surveillance
1. Has any animal health surveillance been carried out by, or on behalf of, the business?
2. If yes, are results available for inspection?
3. Any significant results?
If yes, detail (if not detailed under recent disease problems).

Records checked between: 3/10/18 - 2/10/18

Case no:			_									
0430 110.	2018-04	73	Site No:		FS0476			Date of v		02/	10/2018	02/
Priority samples:	VI		ВА		PA		MG	Sampling	,. HI			
Time sampling starts/ends:				5:00		Inspecto	or:	ALW	<u>.</u>	VMD No).	6
Environmental conditions:	1	Indoors	2		3		4	ш	5			
Summary samples	HIST		BA		MG		VI	F	PA		Total Sa	mples
dd Fish/Pools - click												
Pool/Fish No												
Fish nos	1-6	7-12	13-18									
Pool Group												
Species	SAL	SAL	SAL									
Average weight	70g	70g	70g									
Sex	N/A	N/A	N/A									
Water Type	FW	FW	FW									
Stock Origin	Marine Harvest Norway Mowi	Marine Harvest Norway Mowi	Marine Harvest Norway Mowi									
	Time sampling starts/ends: Environmental conditions: Summary samples Idd Fish/Pools - click Pool/Fish No Fish nos Pool Group Species Average weight Sex Water Type	Time sampling starts/ends: Environmental conditions: 1 Summary samples HIST dd Fish/Pools - click Pool/Fish No Fish nos 1-6 Pool Group Species SAL Average weight 70g Sex N/A Water Type FW Stock Origin 11:3 11:	Time sampling starts/ends: Environmental conditions: 1 Indoors Summary samples HIST Idd Fish/Pools - click Pool/Fish No Fish nos 1-6 7-12 Pool Group Species SAL SAL Average weight 70g 70g Sex N/A N/A Water Type FW FW Stock Origin W W W W W W W W W W W W W W W W W W W	Time sampling starts/ends: Environmental conditions: 1 Indoors 2 Summary samples HIST BA Indoors 1 Indoors 2 Indoors 1 Indoors 2 Indoors 1 In	Time sampling starts/ends: Environmental conditions: 1 Indoors 2 Summary samples HIST BA Summary samples HIST BA Pool/Fish No Fish nos 1-6 7-12 13-18 Pool Group Species SAL SAL SAL SAL Average weight 70g 70g 70g Sex N/A N/A N/A N/A Water Type FW FW FW Stock Origin Now, was a sum of the start of the	Time sampling starts/ends: Environmental conditions: 1 Indoors 2 3 Summary samples HIST BA MG Add Fish/Pools - click Pool/Fish No Fish nos 1-6 7-12 13-18 Pool Group Species SAL SAL SAL SAL Average weight 70g 70g 70g 70g Sex N/A N/A N/A N/A N/A Water Type FW FW FW Stock Origin Starts/ends: 11 Indoors 2 3 MG MG MIST BA MG MG MG MG MG MS MG MG	Time sampling 11:30:00 11:45:00 Inspectors starts/ends: Environmental conditions: 1 Indoors 2 3 Summary samples HIST BA MG Pool/Fish No Fish nos 1-6 7-12 13-18 Pool Group Species SAL SAL SAL Average weight 70g 70g 70g 70g Sex N/A N/A N/A Water Type FW FW FW Stock Origin Starts/Pool 11:30:00 11:45:00 Inspectors 11:45:00 Inspectors 12:40 Indoors 12:40 Indoors 12:40 Indoors 13:40 Inspectors 12:40 Indoors 12:40 Inspectors 12:40 Indoors 12:40 Inspectors 12:40 In	Time sampling starts/ends: Environmental conditions: 1 Indoors 2 3 4 Summary samples HIST BA MG VI Add Fish/Pools - click Pool/Fish No Fish nos 1-6 7-12 13-18 Pool Group Species SAL SAL SAL Average weight 70g 70g 70g 70g 70g Sex N/A N/A N/A N/A Water Type FW FW FW Stock Origin Starts/ends: 1 Indoors 2 3 4 A MG VI MG VI Starts/ends: Environmental conditions: 1 Indoors 2 3 4 A MG VI Starts/ends: Environmental conditions: 1 Indoors 2 3 4 A WG VI Starts/ends: Environmental conditions: 1 Indoors 2 3 4 A WG VI Starts/ends: Environmental conditions: 1 Indoors 2 3 4 A WG VI Starts/ends: Environmental conditions: 1 Indoors 2 3 4 A WG VI Starts/ends: Environmental conditions: 1 Indoors 2 3 4 A WG VI Starts/ends: Environmental conditions: 1 Indoors 2 3 4 A WG VI Starts/ends: Environmental conditions: 1 Indoors 2 3 4 A WG VI Starts/ends: Environmental conditions: 1 Indoors 2 3 4 A WG VI Starts/ends: Environmental conditions: 1 Indoors 2 3 4 A WG VI Starts/ends: Environmental conditions: 1 Indoors 2 3 3 4 A WG VI Starts/ends: Environmental conditions: 1 Indoors 2 3 4 A WG VI Starts/ends: Environmental conditions: 1 Indoors 2 3 4 A WG VI Starts/ends: Environmental conditions: 1 Indoors 2 3 3 4 A WG VI Starts/ends: Environmental conditions: 1 Indoors 2 3 3 4 A WG VI Starts/ends: Environmental conditions: 1 Indoors 2 3 3 4 A WG VI Starts/ends: Environmental conditions: 1 Indoors 2 3 3 4 A WG VI Starts/ends: Environmental conditions: 1 Indoors 2 3 3 4 A WG VI Starts/ends: Environmental conditions: 1 Indoors 2 3 3 4 A WG VI Starts/ends: Environmental conditions: 1 Indoors 2 3 1	Priority samples: VI BA PA MG Time sampling 11:30:00 11:45:00 Inspector: ALW starts/ends: Environmental conditions: 1 Indoors 2 3 4 Summary samples HIST BA MG VI F Odd Fish/Pools - click Pool/Fish No Fish nos 1-6 7-12 13-18 Pool Group Species SAL	Priority samples: VI BA PA MG HI Time sampling 11:30:00 11:45:00 Inspector: ALW starts/ends: Environmental conditions: 1 Indoors 2 3 4 5 Summary samples HIST BA MG VI PA Indoors 2 3 4 5 Summary samples HIST BA MG VI PA Indoors 2 3 4 5 Summary samples HIST BA MG VI PA Indoors 2 3 4 5 Indoors 2 3 5 Indoors 2 3 5 Indoors 3 4 5 Indoors 3 4 5 Indoors 3 4 5 Indoors 4 5 Indoors 5 5 Indoors 5 5 Indoors 6 7 5 Indoors 6 7 5 Indoors 7 7 Indoors 8 7 7 Indoors 9 7 In	Priority samples: VI BA PA MG HI Time sampling starts/ends: 11:30:00 11:45:00 Inspector: ALW VMD Not starts/ends: Environmental conditions: 1 Indoors 2 3 4 5 Summary samples HIST BA MG VI PA Sdd Fish/Pools - click Pool/Fish No Fish nos 1-6 7-12 13-18 9 Pool Group Species SAL SAL SAL SAL Average weight 70g 70g 70g N/A N/A Water Type FW FW FW FW Stock Origin Stock Origin Water Type Stock Origin Water Type Type Type Type Type Type Type Type Type	Priority samples: VI BA PA MG HI Time sampling starts/ends: 11:30:00 11:45:00 Inspector: ALW VMD No. Summary samples: 1 Indoors 2 3 4 5 Summary samples: HIST BA MG VI PA Total Sa Indoors: 2 3 4 5 Total Sa Indoors: 4 5 Total Sa Total Sa Indoors: 4 5 Total Sa Total Sa Indoors: 5 Total Sa Total Sa Total Sa Indoors: 4 5 Total Sa Total Sa Indoors: 5 Total Sa Total Sa Total Sa Indoors: 6 Total Sa Total Sa Total Sa Indoors: 6 Total Sa Total Sa Total Sa Indoors: 7 Total Sa Total Sa Total Sa Indoors: 8 Total Sa Total Sa </th

1111 000,								.00	aca by.		
10/2018	Addition	nal Sam	ple Infor	mation:							
0		Total To	ests ass	igned	0	l					

FHI 059, Version 11		Issued by: FHI			Date of	of issue	: 12/09/2017
Case Number:	2018-0473		Site No:	FS0476		Insp:	ALW
Date of Visit	02/10/2018		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 notuding third country	0	9	18	26	9
	Number of supp		0		10	14	5
Movements off	Frequency of m	novements off	T 0	3	6	10	3
	Number of dest		0		6	10	3
Exposure via water		Site contacts	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	g plant discharging into adjacent waters	0	1	2		0
On farm processing within the rules of the directive	No on farm pro		0]			0
	Processing owr	n fish (re-cycling risk)	1				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	te only processed.	0				0
products	Common proce	esses with other farms	3				0
	Collection point	t for waste from other farms	5				5
Use of unpasteurised feeds	No feeding of u	inpasteurised feed	0	1			0
	Feeding unpast	teurised feed	5				0
Biosecurity		Number of sites	s 1	2 or 3	≥ 4		
Contacts with other sites	Sites operating	from single shorebase	0	1	2		1
	Sites sharing st	taff 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	1			0
					Total Rank		29 HIGH

Case No:	2018-0473		Site No:	FS0476	
Sea Lice Inspection (3	Seawater Sites Only) nced sea lice problems in the	ne previous 4 years?			
2. Is the CoGP Farm M	lanagement Area (or equiva	alent) fallowed synchronously	on a single y	ear class basis?	
azamethiphos and ema	amectin benzoate) as well in a reasonable period of ticumented farm managemen	d in-feed and bath sea lice meas access to suitable biologica me? nt agreement or statement rele	al and/or mec	hanical control measur	es, and
•		on? (Legal SSI, CoGP Annex	6)		
	·	dard specified in the SSI and	•	egal SSI, CoGP Annex	(6)
7. Are sea lice (<i>L. salm</i> records are inspected?		ne suggested criteria for treati	ment in the Co	oGP during the period	that
8. Have average adult records are inspected?		s) numbers per fish been at a	level of 3 or a	above during the period	d that
If yes, have these beer	reported to the Fish Healtl	n Inspectorate? If no, FHI see	comment.		
9. Is C. elongatus infes	station at a level which is co	nsidered to cause significant	welfare proble	ems? (CoGP 4.3.81, 5.	3.50)
		d or other actions taken wher atus is considered to have we			
11. Has any other action	on been taken (where applic	cable)?			
12. Have therapeutic tr	eatments or the actions tak	en had a significant impact up	oon the lice le	vels recorded?	
		n cooperation between partic e fewer populations or part po	· ·		t for
	ific written lice managemen scalation of a sea lice infest	t procedure with waypoints de ation?	escribing set a	actions to deal with reco	ognised
16. Does the stock on streasons.	site appear satisfactory in r	elation to sea lice level and se	ea lice count c	data? If no please detai	
Containment Inspecti 1. Has the site experien		ue to predators in the current of	or previous pr	oduction cycles?	N
2. Are measures in pla	ce to mitigate against the p	redation experienced on site?	(Detail below	<i>'</i>)	Υ
Tanks inside	Predator nets				
If other, detail below:					
If Yes proceed with que	nts or events been experient estions 4 – 9. If No skip to coorted to Scottish Ministers'		e site since th	e last FHI inspection?	N
5. Have these been rep	oorted to local DSFB forthw	ith (where they exist)? (CoGP	- 4.4.37, 5.4	1.17)	
6. Have these been rep	ported to the SSPO and loc	al fisheries trusts forthwith (wh	nere they exis	ot)? (CoGP – 4.4.37, 5.4	4.17)
7. Were methods (if an	y) used to recover escapee	s? If yes give detail			
8. If gill nets were deple	oyed was this action agreed	I with local wild fish interests a	and was perm	nission given by Scottis	h
Ministers? (Legal, CoG					
9. What action was tak	en to prevent and minimise	the risk of further escapes? (Not covered i	n code but could	
be considered unde	r satisfactory measures o	of the Act)			
10. Is the site inspected	d as satisfactory with regard	ds to containment? If no, pleas	se detail reas	on(s)	Υ

Issued by: FHI

Date of issue: 12/09/2017

FHI 059, Version 11

Site No: FS0476

Case No: 2018-0473

Nature of non-compliance:

Action taken (FHI):

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

	Case No:	2018-0473			Date of visit	: 02/10/2018	3		
Database Insp	Site No:	FS0476	1		Inspector	: ALW]		
Database Insp	Results Summary	Freq.			Da	ate of Notifica	ition		
Case Type Date Insp 2 nd Insp ECI/CNI/VMD 09/10/2018 ALW SAE			Database	Insp	Phone	Insp	Writing	Insp	2 nd Insp
Case Type Date Insp 2 nd Insp ECI/CNI/VMD 09/10/2018 ALW SAE									
Case Type Date Insp 2 nd Insp ECI/CNI/VMD 09/10/2018 ALW SAE									
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Case Type Date Insp 2 nd Insp ECI/CNI/VMD 09/10/2018 ALW SAE	Poport Summary	1			٦				
ECI/CNI/VMD 09/10/2018 ALW SAE	Case Type	Dete	lnon	and .	4				
MIX 23/10/2018 ALW KAS					-				
MIX 23/10/2018 ALW KAS	ECI/CNI/VIVID	09/10/2018	ALW		-				
	IVIIX	23/10/2018	ALVV	KAS	4				
					-				
					-				
				+	-				
					-				
					-				
				+	-				
				+	-				
					-				





Cooke Aquaculture Scotland Ltd Crowness Road Hatston Kirkwall Orkney KW15 1RG

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

Business NoFB0095Date of Visit 02/10/2018Site NoFS0476Site NameQuoys HatcheryInspectorAndrea WarwickCase No20180473

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

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

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

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

Mortality records were inspected and found to be adequately maintained

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.

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.

Fish Health Inspector

Signed:

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: 09/10/2018

FHI 059, Version 11	I	ssued by: FHI	Date of issue: 12/09/2017					
Case No: 2018-0474			Date of visit: 02/10/2018					
Time spent on site:	hour	Main I	nspector: ALW					
Site No: FS0542	Site Name:	Snarravoe						
Business No: FB0095	Business Name:	Cooke Aquaculture Sco	otland Ltd					
Case Types: 1 ECI	2 CNI 3	4 5	6					
Water Temp (°C): 8	Thermometer No:	T148	FHI 045 completed					
Observations:	Region: SH	Water type: F	CoGP MA:					
Dead/weak/abnormally behaving	j fish present?	N If yes, see addition	nal information/clinical score sheet.					
Clinical signs of disease observe	ed?		nal information/clinical score sheet.					
Gross pathology observed?		N If yes, see addition	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:								

Additional Case Information:

200,000 fish moved to Loch of Cliffs a couple of weeks ago. Remaining stock will transfer to Quoys Hatchery mid October once the 2018 S0 generation has gone to sea. Vaccination is carried out at Quoys. All fish are organic.

Water dark and difficult to see fish, but no moribunds observed.

FHI 059, Version 11			Issi	ued by: FHI			Date of issu	ıe: 12/09/2017
Case No:	2018-0474		Site No:	FS0542	2			
Date of Visit:		02/10/2018	3		Inspector(s):	: ALW		1
Registration/Autho 1. Business/site deta 2. Changes made to	ails summary		site represent	ative?			Y N	}
Site Details								
Total No facilities		6	Facilities sto	ocked	6	No facilitie	es inspected	6
Species	SAL Parr (2019							
Age group No Fish	Parr (2019 156,989							
	22g							
Mean Fish Wt Next Fallow Date (S		Mid October	- 2019	Next Input Da	rata (Sita)	June/July	2010	
Next Fallow Date (5	ite)	IVIId October	2016	Next Input Do	ate (Site)	June/July	2019	
Recent (last 4 wks) of the second (last 4 wks) o	disease probl	lems?		N	N Any escapes	s (since last	visit)?	N
Movement Records	S							
1. Movement record		or inspection?						Y
2. Date of last inspe	ection:	·					03/10/2017	
3. Are records comp		•						Y
4. Are movement re				?				Y
5. Are records comp		•		Lable O				Y N/A
6. Are health certification		ductions (outw	VITA GB) avail	able?				TV/A
Transport Records								
1. Are any movemen								Y
If yes, is there a syst	tem in place t	or maintenan	ice of transpo	rtation records	;?			Y
Mortality Records								
1. Mortality records a	available for i	inspection?						Y
2. How are mortalities		•			Other (detail	l)		
If other detail:		Quoys Hatcher	•					
3. Mortality records of		correctly ent						Y
4. Recent mortality (•			- 42, w/b 8/9/18	3 - 86, w/b 15/9	9/18 - 19, w/	/b 22/9/18 - 15	
5. Evidence of recer		• •						N
If yes, facility nos/no	mortality per	facility/no sid	ock per raciiity	//reason:				
6. Any other peaks in	in mortality du	uring period cl	hecked?					N
If yes, detail:		5						
7. Have increased (u	•	mortalities be	en reported t	o vet or FHI?				N/A
If yes, detail action:								NI/A
8. Have 'mortality ev	/ents' been re	ported to FHI	If no, add If n	<pre>//RT case and /</pre>	enter on morta	ality 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)?		N

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, r		Y
3. Has the manner and period in which the APB will notif		
increased (unexplained) mortality at the site been include	ded?	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		
5. Has the health status of aquaculture animals being st	ocked on the farm site been covered (equal or higher	Y
health status, certification if required)?		
6. Have the husbandry and biosecurity measures impler	•	Y
transmission of disease been covered (movement of sta		V
7. Is documentation available regarding the measures in	place to maintain the physical containment of	Y
aquaculture animals held on site?	alamentad an aita?	V
8. Have the biosecurity procedures been adequately implif no, detail:	Diemented on Site?	Ť
ii iio, detaii.		
Results of Surveillance		
1. Has any animal health surveillance been carried out b	by, or on behalf of, the business?	Y
2. If yes, are results available for inspection?		Y
3. Any significant results?		N
If yes, detail (if not detailed under recent disease problem	ms).	

Records checked between: 3/10/17 - 2/10/18

FHI 059, Version 11		Issued by: FHI			Date of	of issue	: 12/09/2017	
Case Number:	2018-0474		Site No:	FS0542		Insp:	ALW	
Date of Visit	02/10/2018		No of m	No of movements/supp./dest.				
Live fish movements			0	1-5	6-10	>10		
Movements on (from out with GB) of susceptible species	Frequency of m	novements on from equivalent MS	0	5	10	14	0	
	Frequency of movements on from equivalent zone or compartment including third country		0	9	18	26	0	
•	Number of supp		0		10	14	0	
Movements off	Frequency of m		1 0	3	6	10	3	
Movements on	Number of dest		0		6			
Exposure via water		Site contact:	Site contacts 0 1-5 6-10					
Water contacts with other farms (holding species susceptible to same diseases)	disinfection or b	•	0				0	
	Farm is on-line or in a coastal zone with category I farms upstream or within 1 tidal excursion		1	2	4		1	
	Farm is on-line or in a coastal zone with category III farms upstream or within 1 tidal excursion		1	3	6		0	
	Farm is on-line 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 processors	Any processing	plant discharging into adjacent waters	0	1	2		0	
On farm processing within the rules of the directive	No on farm pro		0]			0	
	Processing owr	n fish (re-cycling risk)	1				0	
	Processing fish	from MS of equivalent status	2				0	
	Processing fish equivalent statu	from zone or compartment of	1				0	
		from Category III farm	8					
		from Category V farm	10				0	
Disposal of fish and fish by- products	Site's own wast	te only processed.	0				0	
	Common processes with other farms		3				3	
	Collection point	t for waste from other farms	5				0	
Use of unpasteurised feeds	No feeding of u	inpasteurised feed	0	1			0	
·	Feeding unpast	·	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	taff and equipment	0	1	2		1	
Disinfection of equipment	Yes		T 0	1			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	1			0	
					Total Rank		12 LOW	

Case No:	2018-0474		Site No:	FS0542	
Sea Lice Inspection (3	Seawater Sites Only) nced sea lice problems in the	ne previous 4 years?			
2. Is the CoGP Farm M	lanagement Area (or equiva	alent) fallowed synchronously of	on a single y	ear class basis?	
azamethiphos and ema	amectin benzoate) as well in a reasonable period of tournented farm manageme	d in-feed and bath sea lice med as access to suitable biological ime? nt agreement or statement rele	and/or mec	hanical control measu	res, and
•		on? (Legal SSI, CoGP Annex 6	3)		
		dard specified in the SSI and th	•	egal SSI, CoGP Anne	x 6)
7. Are sea lice (<i>L. salm</i> records are inspected?		he suggested criteria for treatm	ent in the Co	oGP during the period	that
8. Have average adult records are inspected?		s) numbers per fish been at a l	evel of 3 or a	above during the perio	d that
If yes, have these beer	reported to the Fish Healt	n Inspectorate? If no, FHI see of	comment.		
9. Is C. elongatus infes	station at a level which is co	onsidered to cause significant w	velfare probl	ems? (CoGP 4.3.81, 5	.3.50)
		ed or other actions taken when atus is considered to have well			
11. Has any other action	on been taken (where appli	cable)?			
12. Have therapeutic tr	eatments or the actions tak	en had a significant impact upo	on the lice le	vels recorded?	
13. Are treatments, wh	ere conducted, carried out	in cooperation between particip	ating farms?	?	
sea lice?	-	re fewer populations or part pop			
	ific written lice managemer scalation of a sea lice infes	t procedure with waypoints des ation?	scribing set a	actions to deal with rec	ognised
16. Does the stock on sreasons.	site appear satisfactory in r	elation to sea lice level and sea	a lice count o	data? If no please deta	il
Containment Inspecti	ion				
•		ue to predators in the current or	r previous pr	oduction cycles?	N
2. Are measures in pla	ce to mitigate against the p	redation experienced on site? (Detail below	<i>ı</i>)	Y
Predator nets above	predator nets below				
If other, detail below:					
				=	N
·	·	nced on or in the vicinity of the	site since th	e last FHI inspection?	N
•	estions $4 - 9$. If No skip to corted to Scottish Ministers				
4. nave these been rep	Dorted to Scottish Ministers	!			
5. Have these been rep	ported to local DSFB forthw	ith (where they exist)? (CoGP -	- 4.4.37, 5.4	1.17)	
6. Have these been rep	ported to the SSPO and loc	al fisheries trusts forthwith (whe	ere they exis	et)? (CoGP – 4.4.37, 5.	4.17)
7. Were methods (if an	y) used to recover escapee	es? If yes give detail			
8. If gill nets were deple	oyed was this action agree	d with local wild fish interests ar	nd was perm	nission given by Scottis	h
Ministers? (Legal, CoG				, , , , , , , , , , , , , , , , , , , ,	
9. What action was tak	en to prevent and minimise	the risk of further escapes? (N	lot covered i	n code but could	
	r satisfactory measures of				
10. Is the site inspecte	d as satisfactory with regar	ds to containment? If no, please	e detail reas	on(s)	Υ

Issued by: FHI

Date of issue: 12/09/2017

FHI 059, Version 11

Case No:	2018-0474			Date of visit:	02/10/2018				
Site No:	FS0542	Inspector: ALW							
Results Summary	Freq.	Date of Notification							
,	, i	Database	Insp		Insp	Writing	Insp	2 nd Insp	
Damant Constitution									
Report Summary	D (- nd -						
Case Type ECI/CNI	Date	Insp	2 nd Insp						
ECI/CNI	09/10/2018	ALVV	SAE						
		-							





Cooke Aquaculture Scotland Ltd Crowness Road Hatston Kirkwall Orkney KW15 1RG

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS NO FB0095 DATE OF VISIT 02/10/2018
SITE NO FS0542 SITE NAME Snarravoe
INSPECTOR Andrea Warwick CASE NO 20180474

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.

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.

Signed: Date: 09/10/2018
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		Issued by: FHI	Date of issue: 12/09/20	17
Case No: 2018-0475			Date of visit: 02/10/2018	
Time spent on site:	30 minutes	Main	Inspector: ALW	
Site No: SS0612 Business No: SB0405	Site Name: Business Name:	Croo Taing Unst Shellfish		
Case Types: 1 ECI	2 3	4 5	6	
Water Temp (°C): 11.5	Thermometer No:	T148	FHI 045 completed	
Observations:	Region: SH	Water type: S	CoGP MA:	
Dead/weak/abnormally behavir Clinical signs of disease observ Gross pathology observed? Diagnostic samples taken?	~	N If yes, see addition	onal information/clinical score sheet. onal information/clinical score sheet. onal information/clinical score sheet.	
UNI/REG only - if unable to car	ry out intended visit detai	il reason below:		

Additional Case Information:

Site stocked with 2016 small grade from previous harvest and 2017 stock from McIlwaine Shellfish, Ireland.

No depuration required and waters are class A. Harvest weekly from one of the sites (~6 tonnes) which is sold through SSMG. Tends to be worst site for fouling (tubeworm, barnacles etc). Approx 10kg of mussels are sampled from each harvest on arrival at SSMG and checked for size and fouling. Allowed up to 9% losses due to fouling and 2% undersized before reduction in price paid to Unst Shellfish for consignment. Assessment of 10kg applied to whole consignment.

FHI 059, Version 11		_	Issu	ed by: FHI	_		Date of issu	e: 12/09/2017
Case No:	2018-0475		Site No:	SS0612				
Date of Visit:		02/10/2018]		Inspector(s):	ALW]
Registration/Authoral Business/site deta 2. Changes made to	ils summary		ite representa	itive?			Y Y	}
Site Details								
Age group	MED 2016/2017 80-90T	8 lines	Facilities sto	cked	8 lines	No facilitie	s inspected	8 lines
Mean Fish Wt	N/A							
Next Fallow Date (Si	te)	N/A		Next Input Da	ite (Site)	2020		
Recent (last 4 wks) of If yes, detail:	disease probl	ems?		N	Any escapes	(since last	visit)?	N
Movement Records	3							
 Movement records Date of last inspect Are records comp 	ction:	·	?				23/11/2016	Y
4. Are movement red5. Are records comp6. Are health certification	lete and corre	ectly entered?	?					N/A N/A Y
Transport Records								
1. Are any movement If yes, is there a syst		• •		,				
Mortality Records								
Mortality records a	available for in	nspection?						Y
2. How are mortalitie	-	f?			Other (detail))		
	Seabed		d					Y
 Mortality records of Recent mortality (I 	•	correctly enti	No observed	mortality				I
5. Evidence of recen	,	typical mortal		inortality				N
If yes, facility nos/no		• •		reason:				
, see, and eye can be	- · · · · · · · · · · · · · · · · · · ·	y	-					
6. Any other peaks in	n mortality du	ring period ch	necked?					N
If yes, detail:	m o v m le !:= = =!\		an uan cuta d t	Vot or FUID				NI/A
7. Have increased (ull figure 1) If yes, detail action:	inexpiained) i	nortalities be	en reported to	vet or FHI?				N/A
8. Have 'mortality ev	ents' been re	ported to FHI	? If no, add M	RT 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		

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

Records checked between: 23/11/16 - 2/10/18

FHI 059, Version 11 Issued by: FHI Date of issue: 12/09/2017 Case Number: 2018-0475 SS0612 Site No: Date of Visit ALW 02/10/2018 Inspector: Number of Susceptible species on site If no susceptible species present = LOW risk If susceptible species present, score for each pathogen No Yes Susceptible to Bonamia ostrea (OED) 0 25 0 Susceptible to Marteilia refringens (OED, MED) 0 3 3 Susceptible to OsHV (CGI) 0 3 0 1 2-5 >6 Sites within a tidal excursion Site contacts Number of sites holding susceptible species within a tidal 0 excursion 0 2 10 0 1-2 >3 Live shellfish movements 0 5 10 10 Frequency of movements on from equivalent MS Movements on Frequency of movements on from equivalent zone or compartment including third country 0 10 20 0 Number of suppliers 0 5 10 5 Movements off Frequency of movements off within MSS Management 0 2 1 0 Frequency of movements off outwith MSS Management 0 0 3 6 Areas 0 Number of destinations 3 6 **Secure Unsecure** Management (effluent (no effluent practices None treatment) treatment) Water contacts with Depuration of stock from own sites within MSS depuration facilities management area 0 2 0 Depuration of stock from other businesses sites within MSS management area 0 2 6 n Depuration of stock from sites outwith MSS management 0 4 8 0 area Number of sites ≥ 4 1 2 or 3 Biosecurity Sites operating from single shorebase 0 Contacts with other sites Sites sharing staff and equipment

Disinfection of equipment between sites, use of footbaths etc

Yes

0

Total Risk No

MEDIUM

Case No:	2018-0475			Date of visit:	02/10/2018				
Site No:	SS0612	Inspector: ALW							
Results Summary	Freq.		Date of Notification						
,		Database	Insp		Insp	Writing	Insp	2 nd Insp	
	1								
Report Summary									
Case Type	Date	Insp	2 nd Insp						
Case Type ECI	09/10/2018	ALW	SAE						





Unst Shellfish Maundeville Uyeasound, Unst Shetland ZE2 9DL

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

Business NoSB0405Date of Visit02/10/2018Site NoSS0612Site NameCroo TaingInspectorAndrea WarwickCase No20180475

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.

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

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

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

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	of issue: 12/09/2017
Case No: 2018-0476			Date of visit:	02/10/2018
Time spent on site:	30 minutes	Main	Inspector:	ALW
Site No: SS0804 Business No: SB0405	Site Name: Business Name:	Buness Unst Shellfish		
Case Types: 1 ECI	23	4 5	6	
Water Temp (°C): 11.5	Thermometer No:	T148	FHI 045 comp	pleted
Observations:	Region: SH	Water type: S	CoGP MA:	
Dead/weak/abnormally behavir Clinical signs of disease observed? Gross pathology observed? Diagnostic samples taken?	•	N If yes, see addition	onal information/clinical sonal information/clinical sonal information/clinical s	score sheet.
UNI/REG only - if unable to car	ry out intended visit deta	il reason below:		

Additional Case Information:

Site stocked with 2016 stock from McIlwaine Shellfish, Ireland.

No depuration required and waters are class A. Harvest weekly from one of the sites (~6 tonnes) which is sold through SSMG. Approx 10kg of mussels are sampled from each harvest on arrival at SSMG and checked for size and fouling. Allowed up to 9% losses due to fouling and 2% undersized before reduction in price paid to Unst Shellfish for consignment. Assessment of 10kg applied to whole consignment.

A lot more sea squirts on these lines compared to other sites.

FHI 059, Version 11		_	Issu	ed by: FHI	_		Date of issu	e: 12/09/2017
Case No:	2018-0476		Site No:	SS0804				
Date of Visit:		02/10/2018	3		Inspector(s):	ALW		
Registration/Autho 1. Business/site deta 2. Changes made to	ails summary		ite representa	itive?			Y Y	
Site Details								
Total No facilities Species	MED 2016	4 lines	Facilities sto	cked	4 lines	No facilitie	s inspected	4 lines
Age group No Fish	65T							
	N/A							
Mean Fish Wt		NI/A		Novt Input Do	oto (Cito)	2010		
Next Fallow Date (S	ite)	N/A		Next Input Da	ate (Site) _	2019		
Recent (last 4 wks) of the second (last 4 wks) o	disease probl	ems?		N	Any escapes	s (since last	visit)?	Ν
Movement Records								
Movement record		r inspection?						Y
2. Date of last inspec		•					23/11/2016	
3. Are records comp	lete and corre	ectly entered	?					Y
4. Are movement red	cords availab	le for dead fis	sh and waste?					N/A
5. Are records comp		•						N/A
6. Are health certification	ates for introd	luctions (outv	vith GB) availa	able?				Y
Transport Records								
1. Are any movement If yes, is there a systematical system of the system		• '		•	•			
Mortality Records								
Mortality records a	available for in	nspection?						Y
2. How are mortalities		•			Other (detail)		
If other detail:	Seabed					,		
3. Mortality records of	complete and	correctly ent	ered?					Y
4. Recent mortality (last 4 wks):		No observed	l mortality				
5. Evidence of recen		• •						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 of	nockod?					N
6. Any other peaks in If yes, detail:	I mortality du	ring period ci	ieckeu?					IN
7. Have increased (u	Inexplained)	mortalities be	en reported to	vet or FHI?				N/A
If yes, detail action:								
8. Have 'mortality ev	ents' been re	ported to FHI	? If no, add M	RT 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		

Treatments and Medicines Records	
Recent treatments (last 4 wks)?	
If yes, detail:	
If other, detail:	
Medicines records available for inspection?	
3. Are records complete and correctly entered?	
4. Are fish in a withdrawal period?	
5. If yes, what treatment(s)?	
If other, detail:	
6. Are medicines stored appropriately?	
Biosecurity Records	
Biosecurity records available for inspection?	Y
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?	Υ
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	Υ
health status, certification if required)?	
6. Have the husbandry and biosecurity measures implemented between each epidemiological unit to minimise	Y
transmission of disease been covered (movement of staff, visitors, equipment, live or dead fish etc.)?	
7. Is documentation available regarding the measures in place to maintain the physical containment of	Y
aquaculture animals held on site?	
8. Have the biosecurity procedures been adequately implemented on site?	Y
If no, detail:	
Results of Surveillance	
1. Has any animal health surveillance been carried out by, or on behalf of, the business?	N
2. If yes, are results available for inspection?	
3. Any significant results?	
If yes, detail (if not detailed under recent disease problems).	

Records checked between: 23/11/16 - 2/10/18 FHI 059, Version 11 Issued by: FHI Date of issue: 12/09/2017 Case Number: 2018-0476 SS0804 Site No: Date of Visit ALW 02/10/2018 Inspector: Number of Susceptible species on site If no susceptible species present = LOW risk If susceptible species present, score for each pathogen No Yes Susceptible to Bonamia ostrea (OED) 0 25 0 Susceptible to Marteilia refringens (OED, MED) 0 3 3 Susceptible to OsHV (CGI) 0 3 0 1 2-5 >6 Sites within a tidal excursion Site contacts Number of sites holding susceptible species within a tidal 0 excursion 0 2 10 0 1-2 >3 Live shellfish movements 0 5 10 10 Frequency of movements on from equivalent MS Movements on Frequency of movements on from equivalent zone or compartment including third country 0 10 20 0 Number of suppliers 0 5 10 5 Movements off Frequency of movements off within MSS Management 0 2 1 0 Frequency of movements off outwith MSS Management 0 0 3 6 Areas 0 Number of destinations 3 6 **Secure Unsecure** Management (effluent (no effluent practices None treatment) treatment) Water contacts with Depuration of stock from own sites within MSS depuration facilities management area 0 2 0 Depuration of stock from other businesses sites within MSS management area 0 2 6 n Depuration of stock from sites outwith MSS management 0 4 8 0 area Number of sites ≥ 4 1 2 or 3 Biosecurity

Sites operating from single shorebase

Disinfection of equipment between sites, use of footbaths etc

Sites sharing staff and equipment

Contacts with other sites

0

Yes

0

Total Risk No

MEDIUM

Case No:	2018-0476			Date of visit:	02/10/2018				
Site No:	SS0804	Inspector: ALW							
Results Summary	Freq.			Date of Notification					
,		Database	Insp		Insp	Writing	Insp	2 nd Insp	
	<u> </u>								
	 								
	 								
	 								
	-								
Report Summary									
Case Type ECI	Date	Insp	2 nd Insp						
ECI	09/10/2018	ALW	SAE						
	 								
	 								





Unst Shellfish Maundeville Uyeasound, Unst Shetland ZE2 9DL

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

 Business No
 SB0405
 Date of Visit
 02/10/2018

 Site No
 SS0804
 Site Name
 Buness

 Inspector
 Andrea Warwick
 Case No
 20180476

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.

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

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

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

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	ed by: FHI	Date of issue: 12/09/2017
Case No: 2018-0477			Date of visit: 03/10/2018
Time spent on site:	5 hours	Main Inspect	tor: ALW
Site No: FS1043 Business No: FB0095	Site Name: Business Name:	Ness of Copister Cooke Aquaculture Scotland	l td
Case Types: 1 ECI	2 CNI 3 VMD	4 SLA 5	6
Water Temp (°C): 12.1	Thermometer No:	T148	FHI 045 completed
Observations:	Region: SH	Water type: S	CoGP MA: S-4
Dead/weak/abnormally behaving Clinical signs of disease observed Gross pathology observed? Diagnostic samples taken?	-	N If yes, see additional info	ermation/clinical score sheet. ermation/clinical score sheet. ermation/clinical score sheet.
UNI/REG only - if unable to car	ry out intended visit detail rea	son below:	

Additional Case Information:

Harvests have been delayed at site due to increased mortality at other sites in Yell which have been prioritised for harvest. All harvests are by dead haul. Currently harvesting once per week, but this will increase to to 2-3 times per week (~11,000 fish per harvest) now other sites in Yell have been harvested.

Mortality levels have been low at this site, 1.48% since last inspection in November 2017 (10,946 fish). Remove morts twice per week using dead socks. Divers also in regularly to ensure all morts removed and nets checked.

Lice numbers have been low until last month when they started to rise. Counts done on Monday each week and count for this week has gone above reporting level (3.8 average). Last treatment for lice was with Slice in January 2018. Hydrogen peroxide treatment administered inNovember 2017 for gills. No cleaner fish on site.

A farm management agreement has been signed with the other operator in the area, previously only had a statement. Plan to change how site is stocked. This site will become a nursery site, stocking from February to December annually. The fish will be transferred to other sites in Yell for ongrowing and to maintain that area as a single yearclass. An additional 6 cages are to be installed at this site (120m) and the current 10 cages increased to 120m. A new mooring system will be installed as part of the refit.

When transferring fish to the ongrowing sites, they will be transported in freshwater as a treatment for the gills. Freshwater is collected from the closed hatchery on Yell (Arisdale) and held in two cages with tarpaulins near the site. Fish on site were feeding well and those sampled for VMD appeared healthy.

FHI 059, Version 11			Issue	ed by: FHI	_		Date of issue	e: 12/09/2017
Case No:	2018-0477	(Site No:	FS1043				
Date of Visit:		03/10/2018			Inspector(s):	ALW		
Registration/Autho 1. Business/site deta 2. Changes made to	ails summary		e representa	tive?			Y N	
Site Details								
	Sal 2017 S1 257,992 7.32Kg	10 F	Facilities stoo	cked Next Input Da	te (Site)	No facilitie	s inspected	10
Recent (last 4 wks) of the second sec	, I				Any escapes			N
Movement Records	•							
 Movement records Date of last inspect Are records comp Are movement records Are records comp 	1. Movement records available for inspection? 2. Date of last inspection: 3. Are records complete and correctly entered? 4. Are movement records available for dead fish and waste? 5. Are records complete and correctly entered? 6. Are health certificates for introductions (outwith GB) available?							
Transport Records								
Are any movemer If yes, is there a syst Mortality Records		• `	,	•	,			Y
Mortality records a	available for in	enection?						Y
2. How are mortalities of their detail:		•			Whole fish -	TWMA (She	etland)	
3. Mortality records of	complete and	correctly enter	ed?					Y
4. Recent mortality (last 4 wks): wk 36 - 155, wk 37 - 99, wk 38 - 56, wk 39 - 122								
5. Evidence of recen		• •						N
If yes, facility nos/no	mortality per	racility/no stoc	k per facility/	reason:				
6. Any other peaks in	n mortality dui	ing period che	cked?					N
If yes, detail: 7. Have increased (u	unexplained) r	nortalities beer	n reported to	vet or FHI?				N/A
If yes, detail action:								
8. Have 'mortality ev	ents' been rep	oorted to FHI?	If no, add M	RT case and e	nter on morta	lity events s	heet.	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.	
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)?	
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?	
5. Has the health status of aquaculture animals being stocked on the farm site been covered (equal or higher health status, certification if required)?	Y
6. Have the husbandry and biosecurity measures implemented between each epidemiological unit to minimise	Y
transmission of disease been covered (movement of staff, visitors, equipment, live or dead fish etc.)?	
7. Is documentation available regarding the measures in place to maintain the physical containment of	Y
aquaculture animals held on site?	
8. Have the biosecurity procedures been adequately implemented on site?	Y
If no, detail:	
Results of Surveillance	
1. Has any animal health surveillance been carried out by, or on behalf of, the business?	N
2. If yes, are results available for inspection?	
3. Any significant results?	
If yes, detail (if not detailed under recent disease problems).	

7/11/17 - 3/10/18 Records checked between:

٠.	ii 055, version i i							100	sueu by.				
	Case no:	2018-04	177	Site No:		FS1043			Date of		03/	10/2018	03/
	Priority samples:	VI		ВА		PA		MG	Samplin	ig. HI		İ	
	Time sampling starts/ends:		0:00	11:4	5:00		Inspecto	or:	ALW		VMD No	o.	24
	Environmental conditions:	1	Indoors	2		3		4		5		ı	
	Summary samples	HIST		ВА		MG		VI		PA		Total Sa	amples
Α	dd Fish/Pools - click												
	Pool/Fish No												
	Fish nos	1	2	3									
	Pool Group												
	Species	SAL	SAL	SAL									
	Average weight	7.3kg	7.3kg	7.3kg									
	Sex	N/A	N/A	N/A									
	Water Type	SW	SW	SW									
Stock Details		ص Marine Harvest - Lough Altan	Marine Harvest - Lough Altan	ω Yetts Ο Muckart									
U,	, , , , , , , , , , , , , , , , , , , ,	9	1	U									

000,	1111 000, 1010101111												
10/2018	10/2018 Additional Sample Information:												
0		Total Te	ests ass	igned	0	l							
												ı	
													•

FHI 059, Version 11		Issued by: FHI			Date of	of issue	: 12/09/2017
Case Number:	2018-0477		Site No:	FS1043		Insp:	ALW
Date of Visit	03/10/2018		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 acluding third country	0	9	18	26	0
	Number of supp		0		10	14	5
Movements off	Frequency of m		1 0	3	6	10	10
Movements on	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		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 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 waters	0	1	2		0
On farm processing within the rules of the directive	No on farm pro		0				0
	Processing owr	n fish (re-cycling risk)	1				1
		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	te only processed.	0				0
products	Common proce	esses 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		0
	Sites sharing st	taff and equipment	0	1	2		0
Disinfection of equipment	Yes		T 0	1			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	1			0
					Total Rank		28 HIGH

Case No:	2018-0477		Site No:	FS1043				
Sea Lice Inspection (\$1. Has the site experier		s in the previous 4 years?						
2. Is the CoGP Farm M	anagement Area (or e	equivalent) fallowed synch	ronously on a single ye	ear class basis?				
3. Does the site have a azamethiphos and emacan these be deployed	ccess to a range of licamectin benzoate) as in a reasonable periocumented farm manag	enced in-feed and bath se well as access to suitable	ea lice medications (incl biological and/or mech	luding deltamethrin, nanical control measures, a	and			
5. Are sea lice count re	cords available for ins	pection? (Legal SSI, CoG	P Annex 6)					
6. Do records adequate	. Do records adequately reflect the required standard specified in the SSI and the CoGP? (Legal SSI, CoGP Annex 6)							
7. Are sea lice (<i>L. salm</i> records are inspected?		low the suggested criteria	for treatment in the Co	GP during the period that				
8. Have average adult records are inspected?	· · · · · · · · · · · · · · · · · · ·	monis) numbers per fish b	peen at a level of 3 or a	bove during the period that	t			
If yes, have these been	reported to the Fish I	Health Inspectorate? If no,	FHI see comment.					
9. Is <i>C. elongatus</i> infes	station at a level which	is considered to cause sign	gnificant welfare proble	ms? (CoGP 4.3.81, 5.3.50)			
		istered or other actions takelongatus is considered to		evels have exceeded the ons? (CoGP 4.3.82, 5.3.51)			
11. Has any other actio	on been taken (where a	applicable)?						
12. Have therapeutic tr	eatments or the action	ns taken had a significant i	mpact upon the lice lev	els recorded?				
14. Is there a harvestin sea lice?	g strategy for the site,		or part populations are	held without treatment for				
15. Is there a site speci scenarios during the es			points describing set ac	ctions to deal with recognis	sed			
16. Does the stock on s reasons.	site appear satisfactor	y in relation to sea lice lev	el and sea lice count da	ata? If no please detail				
2. Are measures in place	nced equipment dama	ge due to predators in the the predation experienced		·	N Y			
Seal Blinds, Tension	ed Nets, Top Nets							
If other, detail below:								
If Yes proceed with que 4. Have these been rep	estions 4 – 9. If No ski ported to Scottish Mini	•		·	N			
·			•)? (CoGP – 4.4.37, 5.4.17)				
7. Were methods (if an	y) used to recover esc	capees? If yes give detail						
8 If all nets were deale	oved was this action a	greed with local wild fish ir	nterests and was normi	ssion given by Scottish				
Ministers? (Legal, CoG		g. 504 Mar 1004. Wild 11311 II	and mas permit	co.on given by coolden				
9. What action was take	en to prevent and min	imise the risk of further es	capes? (Not covered in	code but could				
be considered under	satisfactory measu	res of the Act)						
10. Is the site inspected	d as satisfactory with r	egards to containment? If	no, please detail 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: 2018-0477	Site No: FS1043	
Date of Visit: 03/10/2018	Inspector: ALW	
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	It farm management area? In site(s) to which it applies? It 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 cl	eatments for sea Y eaner 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	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 restored.	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	res covered by the Y
23. Does the FMAg/S identify whether be covered by the agreement or statement	broodstock or potential broodstock are to be kept t?	on any site Y
Point of Compliance for Farm Manag	gement Agreements Only	
24. Does the farm management agreen 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 st	tatement?
26. What is the version no/date of issue	e of the FMAg/S? Aug-18	

Site No: FS1043

Case No: 2018-0477

Nature of non-compliance:

Action taken (FHI):

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

Case No: 2018-0477 Site No: FS1043

Date of visit: 03/10/2018 Inspector(s): ALW

Point for consideration Risk level Satisfactory? Requirement Comments and advice given or action taken if necessary

ENHANCED SEA LICE INSPECTION CHECKLIST

a. Inspection of sea lice records							
1.1 Are sea lice count records available for inspection?	Medium	Υ	CoGP 1.2.1, 1.2.2,				
1.2 Do records adequately reflect the required standard specified in	Low & Medium	Υ	Annex 6				
the SSI ¹ and the CoGP ² ?			SSI 1,2,				
(Counts should be weekly, record the person making the count, date							
of the count, number of fish sampled (should be 25), pen or facility							
number recorded, water temperature ³ , number of parasites observed							
and correct stages recorded ⁴							
1.3 Where weekly counts are not conducted is the reason for not	Low	Υ	SSI 1,2(g)	Normally due to bad weather			
conducting the count stated?							
1.4 Is that reason considered acceptable by the Inspector? Give	Low	Υ					
detail.							
1.5 Has the site experienced sea lice problems in the previous 4		N	Detail if necessary:				
years?							
b. Inspection of records relating to treatment and control of sea lie	е						
2.1 Has appropriate action been taken where:			0.004				
a) L. salmonis record levels have been above the suggested criteria for treatment?	High	Υ	CoGP Annex 6	Only went over suggested criteria in September 2018			
	I II ada	N/A	C-CD 4 2 04 5 2 50				
b) C. elongatus infestation is at a level considered to cause significant welfare problems	nigri	IN/A	CoGP 4.3.81, 5.3.50				
2.2 Is therapeutic treatment initiated ASAP where required?	Medium	Υ	CoGP 4.3.130, 5.3.84				
2.3 Where medicines have been administered there should be a			VMD ¹² 19				
record of :			SSI 1,3				
the name / identity of the product	High	Υ	,				
the date of administration	High	Υ					
the quantity (concentration and amount) administered	High	Υ					
the method of administration of the product	High	Υ					
the identification of the fish / facilities treated	High	Υ					
name of the person administering the treatment	Low	Υ					
the withdrawal period	Medium	Υ					
2.4 If the medicine is administered by a veterinary surgeon:			VMD 18				
the name of the veterinary surgeon	High	N/A					
name of the product	High	N/A					
batch number	High	N/A					

Point for consideration	Risk level	Satisfactory?	Requirement	Comments and advice given or action taken if necessary
the date of administration	High	N/A		
amount administered	High	N/A		
identification of fish treated	High	N/A		
withdrawal period	Medium	N/A		
2.5 Have therapeutic treatments or the actions taken had a significant impact upon the lice levels recorded?	High	Υ		
Inspect records to confirm. Significant impact - ≥50% reduction in site average <i>L.salmonis</i> numbers (all stages)				
2.6 If other methods are employed on site to control sea lice and their impact is there a record of:	Low	N/A	SSI, 1,4	
the nature and date of the method employed; the identification number of all facilities subjected to the method; the name of the person employing the method				
2.7 Where medicines have been acquired is there a record of:			VMD 19	
proof of purchase of the medicine concerned	Medium	Υ	VMD 17	
name of the product	High	Υ		
batch number	High	Υ		
the date of purchase	Medium	Υ		
the quantity purchased	High	Υ		
the name and address of the supplier	Medium	Υ		
2.8 Where medicines have been disposed is there a record of:			VMD 19	
the date of disposal	Medium	N/A		
the quantity of product involved	Medium	N/A		
how and where it was disposed of	Medium	N/A		
2.9 Are veterinary health plans available which detail bio-security protocols, preventative measures and treatments in relation to sea	Medium	Y	CoGP 4.3.129, 5.3.83	
lice?				
Consider the following points over a percentage of treatments conducted on site				
2.10 Has the recommended course of treatments been completed?	Medium	Y	CoGP 4.3.134, 5.3.88	
2.11 If not, is there a recorded acceptable reason for not completing treatment?	Medium	N/A	CoGP 4.3.135, 5.3.89	
2.12 Was advice taken from the Veterinary surgeon in such circumstances?	Medium	N/A	CoGP 4.3.135, 5.3.89	
2.13 Are there clear written instructions regarding medicine use, available to those responsible for treatment administration?	Medium	Y	CoGP 4.3.133, 5.3.87	

Point for consideration	Risk level	Satisfactory?	Requirement	Comments and advice given or action taken if necessary
2.14 Does the site have treatment discharge consents relevant to sea lice?		Υ	Detail if necessary:	
c. Inspection of records relating to farm management groups and	farm managem	ent agreements	or statements	
3.1 Is there a nominated farmer acting as coordinator and point of contact for this farm or area inclusive of this farm?	Low	Υ	SSI 1,5,b CoGP 4.3.75, 5.3.44	
3.2 Is there a written undertaking that the farm will observe the provisions of the NTS ⁶ ?	Low	Υ	CoGP 4.3.76, 5.3.45	
3.3 Has an area group been formed within the area containing the site?	Medium	Υ	CoGP 4.3.77, 5.3.46	
3.4 Does the remit of the area group have appropriate veterinary involvement? Consider: -agreed basis for monitoring sea lice -coordinated monitoring and treatment -co-operation between participating farms	Medium	Υ	CoGP 4.3.77, 5.3.46 SSI 1,5, c	
This may require follow up investigation conducted off site to determine				
3.5 Are records available of any decisions made by the FMG in relation to the prevention, control and reduction of parasites?	Low	Υ	SSI 1, 5, c	
3.6 Where treatments have been administered is this done in accordance with principles to maximise the effectiveness of treatments, promote the minimal use of medicines consistent with the maintenance of high standards of fish welfare and help preserve their efficacy?	Medium	Υ	4.3.82, 5.3.51	
For example, the principles of ISLM include: Resistance monitoring – reporting suspected adverse drug event (SADE) to the VMD.				
The steps to determine if resistance is considered a reason for a suspected lack of efficacy (e.g. Bio-assay tests and results, seeking veterinary advice)				
Appropriate discharge consent in place Use of authorized medicines with veterinary instruction and advice as necessary				
Monitoring lice numbers Using an array of treatments where possible Treating all stocks on site at the same time				
Avoiding the simultaneous use of different active ingredients Avoiding consecutive treatments of the same active ingredient, and certainly not on the same cohort of lice Routine removal of moribund fish and regular removal of mortalities.				
3.7 Are weekly monitoring results communicated to other farmers within the defined area?	High	Υ	CoGP 4.3.78, 5.3.47	

Point for consideration	Risk level	Satisfactory?	Requirement	Comments and advice given or action taken if necessary
3.8 Is this done 'as soon as reasonably possible where lice numbers	High	Υ	CoGP 4.3.79, 5.3.48	
exceed the suggested criteria for treatment?				
3.9 Is sea lice data and other information relevant to the management	Low	Υ	CoGP 4.3.80, 5.3.49	
of sea lice provided to the SSPO?				
3.10 Are annual review meetings held by FMA groups to evaluate site	High	Υ	CoGP 4.3.83, 5.3.52	
performance against set criteria?				
3.11 Is there a signed documented farm management agreement or		Υ	AFSA ¹³ 4A	Signed new FMAg in August 2018 (FMS previously)
farm management statement relevant to the site and CoGP Farm				
Management Area (or equivalent)?			Detail if necessary:	
3.12 Are up to date copies of FMS available from other APB operating within the same FMA?	Medium	N/A	CoGP 4.3.88, 5.3.57	
3.13 Are significant changes to FMS notified to other companies	Medium	N/A	CoGP 4.3.89, 5.3.58	
within the FMA?	Mediam	IN/A	COGF 4.3.69, 5.3.56	
3.14 Is there co-operation between APB's operating within the FMA in	Medium	Y	CoGP 4.3.90, 5.3.59	
the development and implementation of FMAg?				
3.15 Are copies of FMS or FMAg available for inspection?	Medium	Y	AFSA 4B	
3.16 Does the FMS or FMAg take into account the relevant aspects	Medium	Y	CoGP 4.3.91, 5.3.60	
regarding a sea lice control strategy?			,	
3.17 If the FMA has been redefined, is there documented evidence	High ¹⁰	N/A	CoGP 4.3.92, 5.3.61	
to demonstrate that the risks to health within and outwith the area is	Ğ			
not increased by the proposal?				
3.18 Is the CoGP Farm Management Area (or equivalent) fallowed	High	Υ	CoGP 4.3.100	
synchronously on a single year class basis?				
3.19 If answered no to 3.18, then is there a documented risk	High	N/A	CoGP 4.3.101	
assessment which meets the requirements of CoGP point 4.3.101?				
d. Inspection of records relating to training and procedures				
4.1 Is there a training programme or plan in place relevant to sea lice	High	Υ	CoGP 7.1.8	
control for the site?	9			
4.2 Are training records available for relevant staff in relation to:			CoGP 4.1.6, 5.1.6	
· ·			SSI, 1,1	
parasite identification	High	Υ	CoGP 4.3.84-86,	
counting parasites (procedures for)	High	Υ	5.3.53-55	
recording counts	High	Υ		
biology and life cycle of parasites	Low	Υ		
symptoms of parasite infection in fish	Low	Υ		
4.3 Have staff been trained in the administration of treatments?	High	Υ	CoGP 4.1.6, 5.1.6	
			CoGP 4.3.84, 5.3.53	

Point for consideration	Risk level	Satisfactory?	Requirement	Comments and advice given or action taken if necessary
N.B. there is no legal requirement to maintain a record of this				
When a second society as COD and site accession of the second site accession of				
Where records exist regarding SOPs and site procedures these should be inspected to confirm suitability				
e. Inspection of site and site stock				
5.1 Are medicines used, stored and disposed of safely?	Medium	Υ	VMD schedule 5	
5.2 Do the sea lice levels observed on stocks reflect sea lice count	High	Υ	i	
data?				
Refer to section e) of guidance notes				
5.3 Does the site appear satisfactory in terms of fish welfare relating to sea lice infestation?	High	Υ		
f. Inspection of farm count procedures				
6.1 Are pens and fish sampled at random?	Low	Υ	CoGP Annex 6,	Sample all cages unless due to harvest
6.2 Have the personnel conducting counts had appropriate training in lice recognition and recording?	High	Υ	4.3.84-86, 5.3.53-55	
(Cross reference to training records – Section d)				
6.3 Can such personnel demonstrate post training competence?	High	Υ	CoGP 4.3.85, 5.3.54	
6.4 Do the sample sizes and methods of sampling match the CoGP suggested protocol (detailed iii – vii)?	Medium	Υ	Annex 6	Normally sample 10 fish per cage
N.B. Other strategies are acceptable if considered adequate in the control and reduction of sea lice				
6.5 Is identification and recording of sea lice count information including species and stages observed to be correct?	High	Υ	Annex 6	
Minimum recording requirements within the CoGP and NTS are:			1	
for Caligus elongatus all identifiable stages and for Lepeophtheirus salmonis chalimus, mobiles and adult females (with or without egg				
strings) ¹¹				
6.6 Is the transfer of data from field counts to records observed to be satisfactory?	Medium	Y	1	
g. Inspection of treatment administration procedures			•	
7.1 Are treatments considered to be administered in an appropriate competent manner?	High	N/A		
Consider appropriate use of tarpaulins; completion of medication per prescription, correct concentrations, mixing and administrations, appropriate product used				
7.2 Is accurate information provided to the attending veterinary surgeon for dosage calculation?	High	N/A	CoGP 4.3.131, 5.3.85	
7.3 Are the fish under consideration being given any other medication, or are they in a withdrawal period for any other medication?		N/A		

Point for consideration	Risk level	Satisfactory?	Requirement	Comments and advice given or action taken if necessary
3 3	Medium	N/A	CoGP 4.3.132, 5.3.86	
this? 7.5 Are clear instructions for medication, dosage and administration	High	N/A	CoGP 4.3.133, 5.3.87	
communicated to the staff responsible for treatment?	riigii	IV/A	4.5.155, 5.5.67	

Additional actions	Powers	Comments and advice given or action taken if necessary
h. FHI sea lice counts If necessary conduct a sea lice count in accordance with the protocol of the CoGP. Indicate where this procedure has been done and make a record of results within the comments box	Power granted under the Act – section 3 (2) (a)	
i. Collection of samples If necessary collect samples. Indicate if samples have been taken and detail what those samples are and the purpose of their collection	Power granted under the Act – section 3 (3) (a)	
j. Enforcement Notice. If an enforcement notice has been issued then maintain a copy / duplicate and record detail Guidance on completing the Enforcement Notice	Power granted under the Act – Section 6 (2)	

- [1] Scottish Statutory Instrument The Fish Farming Businesses (Record Keeping) (Scotland) Order 2008
- [2] A Code of Good Practice for Scottish Finfish Aquaculture
- [3] Water temperature to be measured at the half way point of the depth of the facility containing the fish, or as close to as possible. For SW cage sites one reading per count may be s
- [4] Recording requirements:- for C. elongatus all identifiable stages and for L. salmonis mobiles and adult females (with or without egg strings)
- [5] Area refers to management area as specified within Part 3 of the industry CoGP or as redefined appropriately
- [6] For reference Annex 6 of the CoGP provides the detail of the NTS
- [7] FMA = Farm Management Area
- [8] FMS = Farm Management Statement
- [9] FMAg = Farm Management Agreement
- [10] No further action may be required when answering no to this point and yes to 3.18
- [11] Legal recording requirements within the SSI stipulate for Caligus elongatus: mobiles; and for Lepeophtheirus salmonis: non-gravid mobiles and gravid females.
- [12] VMD The Veterinary Medicines Regulations 2013 (SI 2013 No 2033)
- [13] AFSA Aquaculture and Fisheries (Scotland) Act 2007 (as amended)

Case No:	2018-0477			Date of visit	: 03/10/2018	В		
Site No:	FS1043	1		Inspector	: ALW	1		
Results Summary	Freq.	1			ate of Notifica	tion		
Results Summary	rieq.	Database	Insp	Phone	Insp	Writing	Insp	2 nd Insp
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	+							+
				_				
Report Summary				4				
Case Type ECI/CNI/VMD	Date	Insp	2 nd Insp	_				
ECI/CNI/VMD	09/10/2018	ALW	SAE					
SLA	10/10/2018	ALW	RJS					
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	+		1					
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	1							





FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

Business NoFB0095Date of Visit03/10/2018Site NoFS1043Site NameNess of CopisterInspectorAndrea WarwickCase No20180477

ENHANCED SEA LICE INSPECTION

An enhanced sea lice inspection to ascertain the levels of sea lice and for assessing the measures in place for the prevention, control and reduction of sea lice was conducted in accordance with the Aguaculture and Fisheries (Scotland) Act 2007.

The visit consisted of an inspection of records with regards to sea lice, the stock on site, site procedures with regards to sea lice and the provision of advice.

a) Inspection of sea lice records

The site meets the requirement of current Scottish industry best practice. There were no recommendations made and no further action is required.

b) Inspection of records relating to treatment and control of sea lice

The site meets the requirement of current Scottish industry best practice. There were no recommendations made and no further action is required.

c) Inspection of records relating to farm management groups and area management agreements.

The site meets the requirement of current Scottish industry best practice. No recommendations made or further action required.

The production plan for the site is expected to change with the next input of fish which may result in Farm Management Area (FMA) S-4 not being fallowed on a single year class basis. It is advised that a documented risk assessment is undertaken in accordance with point 4.3.101 of the Code of Good Practice for Scottish Finfish Aquaculture (February 2015 edition) which considers the risks to the company's own operations and to the operations of other companies operating within the FMA and in any adjacent FMA.

d) Inspection of records relating to training and procedures

The site meets the requirement of current Scottish industry best practice. No recommendations made or further action required.

e) Inspection of site and site stock

The site meets the requirement of current Scottish industry best practice. No recommendations made or further action required.

f) Inspection of farm count procedures

An inspection of site staff conducting and recording a sea lice count was carried out. The site meets the requirement of current Scottish industry best practice. No recommendations made or further action required.

g) Inspection of treatment administration procedures

Procedures were not inspected as a treatment was not taking place at the time of inspection. However, discussions on procedures with the company correspondent would suggest that the site meets the requirement of current Scottish industry best practice.

Further Action

The site meets the requirement of current Scottish industry best practice. No further recommendations are made, or further action required.

Please do not hesitate to contact myself or the duty inspector should you require any further information or have any gueries regarding this report.







FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

Business NoFB0095Date of Visit03/10/2018Site NoFS1043Site NameNess of CopisterInspectorAndrea WarwickCase No20180477

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

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

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

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

Mortality records were inspected and found to be adequately maintained.

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

R25

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, as amended, with respect to 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.

An enhanced sea lice inspection was conducted. A separate report will be issued in due course.

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



FHI 059, Version 11	Is	sued by: FHI	Date of issue: 12/09/2017
Case No: 2018-0478			Date of visit: 04/10/2018
Time spent on site:	5.5 hours	Main Insp	pector: ALW
Site No: FS0167	Site Name:	Mid Taing	
Business No: FB0095	Business Name:	Cooke Aquaculture Scotla	and Ltd
Case Types: 1 ECI	2 CNI 3 SLI	4 VMD 5	6
Water Temp (°C): 11.5	Thermometer No:	T148	FHI 045 completed
Observations:	Region: SH	Water type: S	CoGP MA: S-10
Dead/weak/abnormally behaving	•		information/clinical score sheet.
Clinical signs of disease observ	red?		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 care	ry out intended visit detail r	eason below:	

Fish split onto site from Cloudin in June 2018. Due to start harvesting by dead haul second week of November and hope to empty by end of December. Were not graded prior to transfer and have grown better than stock at Cloudin and Burrastow. Site only used for holding growers split down from Cloudin or Burrastow to reduce stocking densities at those sites. Lice numbers have been low with Slice treatment administered in early Auguust. Caligus numbers rose significantly at the end of July, but Slice treatment reduced them. All cages have sea lice skirts in place. Fish were transferred from Cloudin in freshwater as gill treatment.

Hydrogen peroxide treatment undertaken on 21 September for increasing AGD scores (pens 1 and 2 had highest AGD gill scores at site). No adverse behaviour during treatment, but significant increase in mortalities in pens 1 and 2 post treatment from 24-27 September (11.58% and 15.03% respectively). Mortality levels in other cages remained low (0.06%-0.13%). Mortality levels have dropped this week back to pretreatment levels (22 fish from whole site on Monday). Mortalities removed by mort basket with divers in weekly to remove any additional mortalities and to check nets. No moribund or lethargic fish observed on site and fish sampled for VMD appeared healthy.

FHI 059, Version 11			Issu	ed by: FHI			Date of issue	e: 12/09/2017		
Case No:	2018-0478		Site No:	FS0167						
Date of Visit:		04/10/2018]		Inspector(s):	ALW				
Registration/Autho 1. Business/site deta 2. Changes made to	ails summary		ite representa	ative?			Y Y			
Site Details										
Total No facilities		6	Facilities sto	cked	6	No facilitie	s inspected	6		
	SAL 2017 s0									
Age group No Fish	117,935									
	3.9Kg									
Wealth Ion Wt		Dy and Dags	mbor 2010	Novt Input Do	oto (Cito)	Cummar 2	020			
Next Fallow Date (Si	ite)	By end Dece	ember 2018	Next Input Da	ite (Site) -	Summer 2	020			
Recent (last 4 wks) disease problems? Y Any escapes (since last visit)?										
,										
Movement Records	<u> </u>									
1. Movement record	s available fo	r inspection?						Y		
2. Date of last inspec	ction:						22/06/2010			
3. Are records comp		•						Y		
4. Are movement red								Y		
5. Are records comp		•		blo2				N/A		
6. Are health certification		auctions (outw	/IIII GD) avalla	able :				IN/A		
Transport Records										
1. Are any movemen	nts carried ou	t by (or on be	half) of the bu	siness (not usi	ing a STB)?			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	es disposed o	f?			Incinerated -	on site				
				as whole fish to	o TWMA					
3. Mortality records of	complete and	correctly ente			00 0 ()			Υ		
4. Recent mortality (last 4 wks):			vk 37 - 67, wk : 39 - 5,498 (4.	•		s in area so n	o mortality		
5. Evidence of recen		• •						Y		
If yes, facility nos/no		•	,							
Pens 1 & 2/ P1 = 2,3				Treatment loss	ses			N.I.		
If yes, detail:	6. Any other peaks in mortality during period checked?									
7. Have increased (unexplained) mortalities been reported to vet or FHI?										
If yes, detail action:										
8. Have 'mortality events' been reported to FHI? If no, add MRT case and enter on mortality events sheet. N/A										

FHI 059, Version 11	Issued by: FHI	Date of issue: 12/09/2017
Total control of the Patron Barra Is		

Treatments and Medicines Records	
1. 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:	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
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	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).	
00/01/0 4/40/40	

Records checked between: 22/6/10 - 4/10/18

• •	ii 055, version i i							133	ded by.				
	Case no:	2018-04	178	Site No:		FS0167			Date of		04/	10/2018	04/
	Priority samples:	VI		ВА		PA		MG	Samplin	g. HI			
	Time sampling starts/ends:		80:00		5:00		Inspecto	or:	ALW		VMD No	o.	24
	Environmental conditions:	1	Indoors	2		3		4		5			
	Summary samples	HIST		ВА		MG		VI		PA		Total Sa	amples
A	dd Fish/Pools - click												
	Pool/Fish No												
	Fish nos	1	2	3									
	Pool Group												
	Species	SAL	SAL	SAL									
	Average weight	3.9Kg	3.9Kg	3.9Kg									
	Sex	N/A	N/A	N/A									
	Water Type	SW	SW	SW									
Stock Details	Stock Origin Facility No	Furnace (ex Cloudin)	Furnace (ex Cloudin)	ഗ Furnace (ex Cloudin)									
V,	acility NO	1	4	3									

1111 000,										.00	aca by.			
10/2018	Addition	nal Sam	ple Infor	mation:										
0 Total Tests assigned 0														
													ı	
														•

FHI 059, Version 11		Issued by: FHI			Date of	of issue	: 12/09/2017
Case Number:	2018-0478		Site No:	FS0167		Insp:	ALW
Date of Visit	04/10/2018		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	0
·	Number of supp	ocluding third country	0		10	14	0
Movements off	Frequency of m		1 0	3	6	10	0
Movements on	Number of dest		0		6	10	0
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				1
	Processing fish	from MS of equivalent status	2				0
	Processing fish equivalent statu	from zone or compartment of	1				0
		from Category III farm	8				
		from Category V farm	10	-			0
Disposal of fish and fish by-	Site's own wast	te only processed.	0	1			0
products	Common proce	esses with other farms	3				3
	Collection point	t for waste from other farms	5				0
Use of unpasteurised feeds	No feeding of u	npasteurised feed	1 0	i			0
	Feeding unpast	•	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	taff and equipment	0	1	2		1
Disinfection of equipment	Yes		Το]			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	1			0
	No		2				0
					Total Rank		8 LOW

Case No:	2018-0478		Site No:	FS0167					
Sea Lice Inspection (Seawater Sites Only)								
1. Has the site experien	nced sea lice problems in the	previous 4 years?			Υ				
2. Is the CoGP Farm M	lanagement Area (or equival	ent) fallowed synchr	onously on a single y	ear class basis?	Υ				
azamethiphos and emacan these be deployed 4. Is there a signed do	access to a range of licenced amectin benzoate) as well as in a reasonable period of tim cumented farm management	s access to suitable b ne?	piological and/or mec	hanical control measures, a	Y Y				
Management Area (or		n2 /Logal SSL CoCD	(Annoy 6)		V				
	ecords available for inspection		·	and CCL CoCD Annov 6)	Y				
b. Do records adequal	ely reflect the required standa	ard specified in the S	Si and the CogP? (L	egai SSI, COGP Afflex 6)	Ť				
7. Are sea lice (<i>L. salm</i> records are inspected?	nonis) record levels below the (CoGP Annex 6)	e suggested criteria f	or treatment in the Co	oGP during the period that	Υ				
8. Have average adult records are inspected?	female sea lice (L. salmonis)) numbers per fish be	een at a level of 3 or a	above during the period that	t N				
If yes, have these beer	reported to the Fish Health	Inspectorate? If no, I	FHI see comment.		N/A				
9. Is <i>C. elongatus</i> infestation at a level which is considered to cause significant welfare problems? (CoGP 4.3.81, 5.3.50)									
	eatments been administered reatment or where <i>C. elonga</i>				N/A				
11. Has any other action	on been taken (where applica	ble)?			N/A				
12. Have therapeutic tr	eatments or the actions take	n had a significant in	npact upon the lice le	vels recorded?	Υ				
13. Are treatments, wh	ere conducted, carried out in	cooperation betwee	n participating farms?	?	Υ				
	g strategy for the site, where	•	· · · · · ·		Y				
15. Is there a site specific written lice management procedure with waypoints describing set actions to deal with recognised scenarios during the escalation of a sea lice infestation?									
16. Does the stock on reasons.	site appear satisfactory in rel	ation to sea lice leve	I and sea lice count d	lata? If no please detail	Υ				
Containment Inspecti	on								
•	nced equipment damage due	to predators in the	current or previous pr	oduction cycles?	N				
2. Are measures in pla	ce to mitigate against the pre	edation experienced	on site? (Detail below	· ')	Υ				
A.D.D., Tensioned N	ets, Top Nets								
If other, detail below:									
,									
Have escape incide	nts or events been experience	ced on or in the vicini	ty of the site since the	e last FHI inspection?	N				
If Yes proceed with que	estions 4 – 9. If No skip to qu	estion 10							
4. Have these been rep	ported to Scottish Ministers?								
5. Have these been re	ported to local DSFB forthwith	n (where thev exist)?	(CoGP – 4.4.37, 5.4	ŀ.17)					
·	ported to the SSPO and local	•	•						
·			,	, , ,					
7. Were methods (if an	y) used to recover escapees	? If yes give detail							
If gill nets were deplementsMinisters? (Legal, CoG	byed was this action agreed $P = 4.438 \cdot 5.418$	with local wild fish int	erests and was perm	ission given by Scottish					
	en to prevent and minimise t	he risk of further esc	anes? (Not covered in	n code but could					
	r satisfactory measures of	_	apoo. (Not obvered in	Jour Dat Oddia					
	d as satisfactory with regards	· L	no, please detail reas	on(s)	Υ				
io ino dito inoposito	and a substantial for the substantial subs	- Johnammont, III	, p. 0000 0000111000	(5)					

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: 2018-0478	Site No: FS0167	
Date of Visit: 04/10/201	8 Inspector: ALW	
Point of Compliance		
1. Is the farm under inspection located	s within a farm management area?	Y
If N, no further questions require comp	oletion.	
Points of Compliance for Both Farn	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	duced to the area or Y
10. Does the FMAg/S identify the special. Does the FMAg/S identify the maxindividual farm?	nation requirements for stocks held in the area codes of fish which may be stocked into the area community of any pen on any farm in	or farm? in the area or the
fish farm in the area or the individual	ngements for the storage and disposal of any d farm?	ead lish from any
Arrangements for The Management	of Sea Lice	
13. Does the FMAg/S identify arrange	ments for the sharing of data on sea lice number	ers and treatments?
14. Does the FMAg/S identify the avai of statement?	lability and the use of medicines on farms cover	
15. Does the FMAg/S identify any require on farms in the area or individual f	uirements for the sensitivity testing of available farms?	treatments for sea Y
16. Does the FMAg/S identify the circu	umstances under which biological controls and	cleaner fish are to be Y
used on farms in the area or individua 17. Does the FMAg/S identify the arra	ngements for synchronous treatments on farms	s within the area?
Live Fish Movements		
area or farm?	umstances when live fish may be introduced or	
19. Does the FMAg/S identify the array or individual farms?	ngements for the movement of live fish on and	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 indiv	idual farms?
Fallowing		
21. Does the FMAg/S identify the dates date when a farm or area may be restoc	by which the area or individual farm will be fallow	w and the earliest Y
22. Does the FMAg/S identify whether or agreement or statement?	ne or more year classes may be stocked onto s	ites covered by the Y
23. Does the FMAg/S identify whether be covered by the agreement or statement?	roodstock or potential broodstock are to be kept?	t 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 becom	ne, or cease to be, N/A
Management and operation		
25. Is the fish farm being managed and	operated in accordance with the agreement or s	statement?
26. What is the version no/date of issue	of the FMAg/S? 06/09/2017	

Site No: FS0167

Case No: 2018-0478

Nature of non-compliance:

Action taken (FHI):

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

Case No:	2018-0478]		Date of visit:	04/10/2018			
Site No:	FS0167	1		Inspector	ALW]		
Results Summary	Freq.	1			ite of Notifica	tion		
riodalio Garrinary		Database	Insp	Phone	Insp	Writing	Insp	2 nd Insp
	_							
	+	-			1			
	+	1			†			
		1			1			
D				1				
Report Summary			nd	_				
Case Type ECI/CNI/SLI/VMD	Date	Insp	2 nd Insp					
ECI/CNI/SLI/VMD	09/10/2018	ALW	SAE	-				
				-				
				-				
	_	-		-				
				-				
				-				
	1							
	1							





FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

Business NoFB0095Date of Visit04/10/2018Site NoFS0167Site NameMid TaingInspectorAndrea WarwickCase No20180478

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.

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.



FHI 059, Version 11		Issued by: FHI	Date of issue: 12/09/2017
Case No: 2018-0479			Date of visit: 04/10/2018
Time spent on site:	15 minutes	Main Ins	spector: ALW
Site No: FS1053	Site Name:	Hogan	
Business No: FB0095	Business Name:	Cooke Aquaculture Scot	land Ltd
Case Types: 1 REG	2 3	4 5	6
Water Temp (°C):	Thermometer No:		FHI 045 completed
Observations:	Region: SH	Water type: S	CoGP MA: S-10
Dead/weak/abnormally behavin	g fish present?	If yes, see additiona	I information/clinical score sheet.
Clinical signs of disease observ	ed?		I information/clinical score sheet.
Gross pathology observed?		If yes, see additiona	I information/clinical score sheet.
Diagnostic samples taken?			
UNI/REG only - if unable to carr	ry out intended visit deta	il reason below:	

Site is fallow (last harvest November 2014) and cages have been removed. Have applied to put a new site into the area with an increased tonnage, but objections raised by mussel farmers in area.

Amendment form completed to make site inactive.

FHI 059, Version 11			Issu	ed by: FHI			Date of issu	ie: 12/09/2017
Case No:	2018-0479		Site No:	FS1053				
Date of Visit:		04/10/2018	<u>;</u>		Inspector(s):	ALW]
Registration/Autho 1. Business/site deta 2. Changes made to	ails summary		ite representa	itive?			Y	}
Site Details								
Total No facilities Species		0	Facilities sto	cked	0	No facilitie	es inspected	0
Age group No Fish								
Mean Fish Wt								
Next Fallow Date (Si	ite)	N/A		Next Input Da	ite (Site)	N/A		
Recent (last 4 wks) of the second sec	disease probl	ems?		N/A	Any escapes	s (since last	visit)?	N/A
Movement Records								
1. Movement records		r inspection?						Y
2. Date of last inspec	ction:						28/01/2015	
3. Are records comp								Y
4. Are movement red								N/A
Are records compAre health certification				abla?				N/A N/A
6. Are health certification		uctions (outw	/Ith GD) availa	bie?				Nii
Transport Records								
1. Are any movemer If yes, is there a syst		• •		•	•			
Mortality Records								
Mortality records a	available for in	nspection?						N/A
2. How are mortalitie		•						
If other detail: 3. Mortality records of	complete and	correctly ent	arad?					N/A
4. Recent mortality (Conecus Cin	Heu:					10,7
5. Evidence of recen		typical mortal	lities?					N/A
If yes, facility nos/no		•		/reason:				
	or or of a little and a	·	1 . 10					NI/A
6. Any other peaks in If yes, detail:	n mortality du	ring period cri	iecked?					N/A
7. Have increased (u	unexplained) i	mortalities be	en reported to	vet or FHI?				N/A
If yes, detail action:								
8. Have 'mortality ev	ents' been re	ported to FHI	? If no, add M	RT case and e	enter on morta	ality events	sheet.	N/A

Treatments and Medicines Records	
1. Recent treatments (last 4 wks)?	
If yes, detail:	
If other, detail:	
2. Medicines records available for inspection?	
3. Are records complete and correctly entered?	
4. Are fish in a withdrawal period?	
5. If yes, what treatment(s)?	
If other, detail:	
6. Are medicines stored appropriately?	
Biosecurity Records	
Biosecurity records available for inspection?	
Has the manner and frequency of mortality removal, recording and safe disposal been considered?	
3. Has the manner and period in which the APB will notify Scottish Ministers or veterinary professional of any	
increased (unexplained) mortality at the site been included?	
4. Has the action that will be taken in the event that the presence or suspicion of the presence of a listed disease	
is detected been included and how and when that will be notified to Scottish Ministers?	
5. Has the health status of aquaculture animals being stocked on the farm site been covered (equal or higher	
health status, certification if required)?	
6. Have the husbandry and biosecurity measures implemented between each epidemiological unit to minimise	
transmission of disease been covered (movement of staff, visitors, equipment, live or dead fish etc.)?	
7. Is documentation available regarding the measures in place to maintain the physical containment of	
aquaculture animals held on site?	
8. Have the biosecurity procedures been adequately implemented on site?	
If no, detail:	
Results of Surveillance	
1. Has any animal health surveillance been carried out by, or on behalf of, the business?	
2. If yes, are results available for inspection?	
3. Any significant results?	
If yes, detail (if not detailed under recent disease problems).	
Records checked between: 28/1/15 - 4/10/18	

Case No:	2018-0479			Date of visit: 04/10/2018					
Site No:	FS1053	Inspector: ALW							
Results Summary	Freq.			Da	te of Notifica	tion			
		Database	Insp		Insp	Writing	Insp	2 nd Insp	
	Į								
	1			-					
	Î								
				_					
Report Summary									
Case Type REG	Date	Insp	2 nd Insp SAE						
REG	09/10/2018	ALW	SAE						





FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

Business NoFB0095Date of Visit04/10/2018Site NoFS1053Site NameHoganInspectorAndrea WarwickCase No20180479

The above site was inspected and found to be fallow with all equipment removed from the water. As there are no plans to restock this site in the foreseeable future the status of the site has been changed to inactive.

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

Signed: Date: 09/10/2018

Fish Health Inspector

FHI 059, Version 11		Issued by: FHI	Date of issue: 12/09/2017
Case No: 2018-0480			Date of visit: 01/10/2018
Time spent on site:	1h	Main In:	spector: SAE
Site No: FS0575	Site Name:	Ormsary Smolt Unit	
Business No: FB0061	Business Name:	Landcatch Natural Selec	tion Ltd
Case Types: 1 MOV	2 3	4 5	6
Water Temp (°C):	Thermometer No:		FHI 045 completed
Observations:	Region: ST	Water type: F	CoGP MA:
Dead/weak/abnormally behavir	ng fish present?	Y If yes, see additiona	al information/clinical score sheet.
Clinical signs of disease observed	ved?		al information/clinical score sheet.
Gross pathology observed?		N If yes, see additiona	al information/clinical score sheet.
Diagnostic samples taken?		N	
UNI/REG only - if unable to car	ry out intended visit deta	il reason below:	

Fish for export taken from tank E11. Water peaty and visibility limited. Very low level of fungus observed on 2 morts removed from the standpipe. No general fungus observed in the tank.

New export to Dubai likely to be next week.

INTRA.GB.2018.0028143 (MD18/038) issued for 850 Atlantic salmon smolts to Wagenigen (Netherlands) Lorry reg: W24 SSE

FHI 059, Version 11	ı		Issu	ued by: FHI			Date of issu	ie: 12/09/2017
Case No:	2018-0480		Site No:	FS057	5			
Date of Visit:		01/10/2018	8		Inspector(s	s): SAE		
Registration/Authornal 1. Business/site deta 2. Changes made to	tails summary		site represent	ative?			Y N	}
Site Details								
Total No facilities		108	Facilities sto	ocked	100	No facilitie	es inspected	1
Species	SAL	SAL						
Age group	2018 S0	2019 S1						
No Fish	1,361,542	3,243,305						
Mean Fish Wt	86g	36g						
Next Fallow Date (S	Site)	N/A		Next Input D	Date (Site)	Jan-19		
Recent (last 4 wks)						es (since last v	,	N
If yes, detail:	Some fungu	us in smolts. /	Approximately	y 0.1% -0.2%	mortality attri	ibuted to fungu	is per week to	or 2018 S0's.
Movement Record	s							
1. Movement record	ds available f	or inspection?						Y
2. Date of last inspe							19/04/2018	
3. Are records comp	•	•						Y
4. Are movement re				?				N/A
5. Are records comp	•	•						N/A
6. Are health certific	ates for intro	ductions (outv	with GB) availa	able?				N/A
Transport Records	5							
1. Are any movement						,		
If yes, is there a sys	·	for maintenai	ice of transpo	rtation records	s?			
Mortality Records								
1. Mortality records	available for	inspection?						Y
2. How are mortalitie	es disposed	of?			Incinerated	d - on site		
If other detail:								
3. Mortality records	complete and	d correctly ent						Y
4. Recent mortality	(last 4 wks):		Tank E11: b fish)	etween 5-20	per day for th	ne last month (a	approximately	y 29,145
5. Evidence of recer	nt increased/	atypical morta	alities?					N
If yes, facility nos/no	o mortality pe	er facility/no sto	ock per facility	y/reason:				
6. Any other peaks i	in mortality di	uring period c	hecked?					N/A
If yes, detail:		- 190 In	-f x el 4					NI/A
7. Have increased (• •	mortalities be	en reportea u	o vet or FHI?				N/A
If yes, detail action: 8. Have 'mortality ev		concreted to FH	II2 If no. add N	MRT case and	anter on mo	rtality events s	choot	N/A
O. Have Inditality C.	Tellia beell is	sported to 111	1: II IIO, aud iy	AINT Case and	Citter on mo	reality Everite 5	HICCL.	

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

Records checked between:

19/04/2018 - 1/10/18

Case No:	2018-0480			Date of visit: 01/10/2018					
Site No:	FS0575	Inspector: SAE							
Results Summary	Freq.			Da	te of Notifica	tion			
		Database	Insp	Phone	Insp	Writing	Insp	2 nd Insp	
	1								
	1								
	1								
Report Summary									
Case Type	Date	Insp	2 nd Insp						
Case Type MOV	11/10/2018	SAE	ALW						
	1		I						





Landcatch Natural Selection Ltd Ormsary Fish Farm Lochgilphead Argyll PA31 8PE

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS NO FB0061 **DATE OF VISIT** 01/10/2018

SITE NO FS0575 SITE NAME Ormsary Smolt Unit

INSPECTOR Svenja Elwenn CASE No 20180480

Inspection for placing on the market in the EU

In accordance with the Trade in Animals and Related Products (Scotland) Regulations 2012 and European Community Council Directive 2006/88/EC, the above site was visited and a consignment of Atlantic salmon smolts for placing on the market in the Netherlands was inspected. A health certificate was issued which must travel with the consignment to the destination. The official authority in the importing country has been notified.

Signed: Date: 11/10/2018
Fish Health Inspector

FHI 059, Version 11	Iss	sued by: FHI	Date of issue: 12/09/2017
Case No: 2018-0481			Date of visit: 03/10/2018
Time spent on site:	5hrs	Main Insp	pector: SAE
Site No: FS0254 Business No: FB0125	Site Name: Business Name:	Knock Scottish Sea Farms Ltd	
Case Types: 1 ECI	2 CNI 3 VMD	4 5	6
Water Temp (°C): 12.1	Thermometer No:	T205	FHI 045 completed
Observations:	Region: ST	Water type: F	CoGP MA:
Dead/weak/abnormally behavin Clinical signs of disease observ Gross pathology observed? Diagnostic samples taken?	~ .	N If yes, see additional	information/clinical score sheet. information/clinical score sheet. information/clinical score sheet.
UNI/REG only - if unable to car	ry out intended visit detail re	eason below:	

Some damage to dorsal fins observed in most tanks, very low numbers of fungus observed in most tanks. However, two tanks were more affected with fungus with approximately 50 fish in each tank visibly affected. However the majority of these were actively swimming and dispersed when approached.

FHI 059, Version 11			Iss	ued by: FHI			Date of issu	ue: 12/09/201	7
Case No:	2018-0481		Site No:	FS025	54				
Date of Visit:		03/10/2018	3		Inspector(s):	SAE		1	
Registration/Authoral Business/site det 2. Changes made to	ails summar		site represent	tative?			Y Y	- -	
Site Details									
		1 hatchery +	7			-		1 hatchery -	<u> </u>
Total No facilities		40 tanks	Facilities st	ocked	33 tanks	No facilitie	es inspected	40 tanks	i
Species	SAL	SAL	r dominoo on	COROG		110 Tabilitie			
Age group	2018 S0	2019 S1							
No Fish	411,000	1,310,000							
Mean Fish Wt	50g	25g							
Next Fallow Date (S		N/A		Next Input I	Date (Site)	January 2	019		
Recent (last 4 wks)		blems?			Y Any escapes	s (since last	visit)?	N	
If yes, detail:	Fungus								
Movement Record	s								
1. Movement record	ds available f	for inspection?						Y	Y
2. Date of last inspe	ection:						10/10/2017		
3. Are records comp		•							Y
4. Are movement re				?					Y
5. Are records comp									Y
6. Are health certific	cates for intro	oductions (outv	vith GB) avail	lable?					Y
Transport Records	5								
1. Are any moveme		• •		•	•				Y
If yes, is there a sys	stem in place	tor maintenan	ce of transpo	ortation record	ls?			\	Y
Mortality Records									
1. Mortality records	available for	inspection?						\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Y
2. How are mortaliti	es disposed	of?			Ensiled - on	site			
If other detail:									
3. Mortality records	•	•							Y
4. Recent mortality	•		0-50 per tar	nk per day					
5. Evidence of rece		• •							Y
If yes, facility nos/no		•		•					
a few tanks slightly 6. Any other peaks				orts per day du	ue to fungus			1 ,	V
o. Any other peaks				2018 due to hi	gh water tempe	rature and l	ow levels of v	vater in the	_
					entified in the gi				
		•			ver the reportin	_	•		
If you details	weeks wer	e above the rep	porting thresh	hold but not re	ported. See mo	ortality even	ts tab for deta	ails.	
If yes, detail:	un overlein all) montaliti 1	on remains all	to vot ar FUID				KI/	_
7. Have increased () mortalities be	en reported t	to vet of FHI?				N/A	_
If yes, detail action: 8. Have 'mortality e		reported to FHI	2 If no ladd M	MRT case and	enter on morts	ality events	sheet	l N	7
o. Have mortality e	ACTIFS DECITED	oported to 1 111	. II IIO, aud I	VIII Case all	CITICI OII IIIOI L	anty Gverito s	Ji loot.		ø

FHI 059, Version 11	Issued by: FHI	Date of issue: 12/09/2017
Treatments and Medicines Records		
Recent treatments (last 4 wks)?		Y
` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` `	lin, Pyceze	
If other, detail:	, ,	
2. Medicines records available for inspect	tion?	Y
3. Are records complete and correctly ent	tered?	Y
4. Are fish in a withdrawal period?		Y
5. If yes, what treatment(s)?	Formalin	
If other, detail:		
6. Are medicines stored appropriately?		
Biosecurity Records		
1. Biosecurity records available for inspec		Y
• •	tality removal, recording and safe disposal bee	
·	ne APB will notify Scottish Ministers or veterinar	ry professional of any
increased (unexplained) mortality at the	site been included?	
	event that the presence or suspicion of the pre	
	when that will be notified to Scottish Ministers?	
Has the health status of aquaculture ar health status, certification if required)?	nimals being stocked on the farm site been cov	ered (equal or higher Y
·	easures implemented between each epidemio	
	novement of staff, visitors, equipment, live or de	
	he measures in place to maintain the physical of	containment of Y
aquaculture animals held on site? 8. Have the biosecurity procedures been a	adequately implemented on site?	Y
If no, detail:	adequately implemented on site:	
Results of Surveillance		
1. Has any animal health surveillance bee	en carried out by, or on behalf of, the business'	? Y

3. Any significant results?

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

Candidatus Clavochlamydia Salmicola

2. If yes, are results available for inspection?

13/6/18 SGPV 3/10; FVG report from 14/6/18 skin and gill pathology indicative of recent water borne irritation; 20/6/18 sample analysed by PatoGen and suspicion of Candidatus Clavochlamydia Salmicola causing morbidity (followed by two antibiotic treatments -Florocol&Aquatet); August/September PCR positive for Candidatus Clavochlamydia Salmicola

Records checked between: 10/10/2017 - 03/10/18

FHI 059, Version 11					ISSUED DY: FHI									
	Case no:	2018-	0481		Site No	:	FS0254			Date of Samplin		03/	10/2018	03/
	Priority samples:	\	/1		ВА		PA		MG		g. HI			
	Time sampling starts/ends:		:00:00			00:00		Inspect	or:	SAE		VMD No). [25
	Environmental conditions:		1 Indo	ors	2		3		4		5			
	Summary samples	HIST			ВА		MG		VI		PA		Total Sa	mples
A	dd Ciob/Doolo oligi													
A	dd Fish/Pools - click													
	Pool/Fish No													
	Fish nos	1-16	17-2	28	29-40	41-52	53-64	65-76	77-88	89-100				
	Pool Group													
	Species	SAL	SAL		SAL	SAL	SAL	SAL	SAL	SAL				
	Average weight	35g	35g		35g	35g	35g	35g	35g	35g				
	Sex	N/A	N/A		N/A	N/A	N/A	N/A	N/A	N/A				
	Water Type	FW	FW		FW	FW	FW	FW	FW	FW				
"														
Details		8	≣	Ε	Ε	Ε	Ε							
٩		3	5	Z	l L		Į.	j. jĝ	obii	igo				
				Kindrum	Kindrum	Kindrum	Kindrum	Pettigo	Pettigo	Pettigo				
Stock	Facility No	A2	A9		A5	A6	F5		H2	A7				

1111 000, 1010	111 000, 1010101111											
10/2018 Additional Sample Information:												
Fish a	nesthetise	ed with	TMS									
0	Total Te	ests ass	igned	0								
												•

FHI 059, Version 11		Issued by: FHI			Date	of issue	: 12/09/2017
Case Number:	2018-0481		Site No:	FS0254		Insp:	SAE
Date of Visit	03/10/2018		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	10
with GB) of susceptible species		novements on from equivalent zone or	_		40		
species	· ·	ncluding third country	0		18	26	
	Number of sup	pilers	0	5		14	5
Movements off	Frequency of m		0				10
	Number of des		0			10	6
Exposure via water	le · · ·	Site contacts	0	1-5	6-10		
Water contacts with other farms (holding species	disinfection or l	•	0				ш
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		
	Farm is on-line	or in a coastal zone with category V					\Box
	farms upstream	or within 1 tidal excursion	1	4	8		
Management practices			None	Secure	Unsecure		
Water contacts with processors	Any processing	g plant discharging into adjacent waters	0	1	2		0
On farm processing within the rules of the directive	No on farm pro	cessing	0				0
	Processing own	n fish (re-cycling risk)	1				
	Processing fish	from MS of equivalent status	2				
	Processing fish equivalent state	from zone or compartment of	4				П
		from Category III farm	8				
	Processing fish	from Category V farm	10				
Disposal of fish and fish by-	Site's own was	te only processed.	0]			
products	Common proce	esses with other farms	3				
	Collection point	t for waste from other farms	5				5
Use of unpasteurised feeds	No feeding of u	Inpasteurised feed	l 0	-]			0
·	Feeding unpas	•	5				
Biosecurity		Number of sites	1	ı 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		1
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				0
	No		2				
					Total		39
					Rank		HIGH

Case No:	2018-0481		Site No:	FS0254	
Sea Lice Inspection (and 1. Has the site experies	Seawater Sites Only) nced sea lice problems in	he previous 4 years?			
•	·	ralent) fallowed synchronous	ly on a single y	ear class basis?	
azamethiphos and ema	amectin benzoate) as well in a reasonable period of cumented farm manageme	ed in-feed and bath sea lice n as access to suitable biologic time? ent agreement or statement re	cal and/or mec	hanical control measur	es, and
•	·	ion? (Legal SSI, CoGP Anne	x 6)		
		ndard specified in the SSI and		egal SSI, CoGP Annex	(6)
7. Are sea lice (<i>L. salm</i> records are inspected?		the suggested criteria for trea	atment in the Co	oGP during the period	that
8. Have average adult records are inspected?		is) numbers per fish been at	a level of 3 or a	above during the period	d that
If yes, have these beer	reported to the Fish Heal	th Inspectorate? If no, FHI se	e comment.		
9. Is C. elongatus infes	station at a level which is o	onsidered to cause significan	t welfare proble	ems? (CoGP 4.3.81, 5.	3.50)
		ed or other actions taken whe gatus is considered to have w			
11. Has any other action	on been taken (where appl	cable)?			
12. Have therapeutic tr	eatments or the actions ta	ken had a significant impact ι	upon the lice le	vels recorded?	
13. Are treatments, wh	ere conducted, carried out	in cooperation between parti	cipating farms?	?	
sea lice?		ere fewer populations or part p	•		
	ific written lice manageme scalation of a sea lice infes	nt procedure with waypoints of tation?	describing set a	actions to deal with reco	ognised
16. Does the stock on reasons.	site appear satisfactory in	relation to sea lice level and s	sea lice count o	data? If no please detai	1
Containment Inspecti	ion				
•		ue to predators in the current	t or previous pr	oduction cycles?	N
2. Are measures in pla	ce to mitigate against the p	predation experienced on site	? (Detail below	<i>'</i>)	Υ
Electric Fence, Site i	nside, Tank lids/covers				
If other, detail below:					
3 Have escape incide	nte or events been evnerie	enced on or in the vicinity of the	ne site since th	a last FHI inspection?	N
•	estions 4 – 9. If No skip to		ic site since th	e last i i il ilispection:	
	ported to Scottish Ministers	•			
5. Have these been rep	ported to local DSFB forthy	vith (where they exist)? (CoG	P – 4.4.37, 5.4	1.17)	
6. Have these been rep	ported to the SSPO and lo	cal fisheries trusts forthwith (v	vhere they exis	t)? (CoGP – 4.4.37, 5.4	4.17)
7. Were methods (if an	y) used to recover escape	es? If yes give detail			
		d with local wild fish interests	and was perm	nission given by Scottis	h
Ministers? (Legal, CoG	·				
		e the risk of further escapes?	(Not covered i	n code but could	
	r satisfactory measures	· · · · · · · · · · · · · · · · · · ·			To a
10. Is the site inspected	d as satisfactory with rega	ds to containment? If no, plea	ase detail reas	on(s)	Y

Issued by: FHI

Date of issue: 12/09/2017

FHI 059, Version 11

Site No: FS0254

Case No: 2018-0481

Nature of non-compliance:

Action taken (FHI):

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

Case No: 2018-0481 Site No: FS0254 Date of visit: 03/10/2018

Start date:	End date: (if applicable)	Size of fish:	weight of affected population:	Species:	Yearclass:	Timescale	Mortality rate recorded(%):	Explained/ unexplained:	If explained, select	reason(s):
18/06/18	24/06/2018	5g to smolting	6.7g	SAL	2019 S1 and 2018 S0	Weekly	5.60	Explained	Water quality	Click to sele
25/06/18	01/07/2018	5g to smolting	7.3g	SAL	2020 S1 and 2018 S0	Weekly	7.12	Explained	Water quality	
					+		+			

If unexplained, select observations:		Total mortality during event (if available):	Additional information (e.g. action taken by company):	Action taken by FHI (include case no where applicable):		
ct reason(s) orrect cell)		72356	High water temperatures with low water levels in the river.	First week reported. Following weeks were not reported. Collected during site inspection.		
		86764	High water temperatures with low water levels in the river.	First week reported. Following weeks were not reported. Collected during site inspection.		

Case No:	2018-0481			Date of visit:	03/10/2018					
Site No:	FS0254]		Inspector:	SAE]				
Results Summary	Freq.	Date of Notification								
	1.04	Database	Insp	Phone	Insp	Writing	Insp	2 nd Insp		
	+			†	†					
D	_			1						
Report Summary	D :		nd -							
Case Type ECI,CNI, VMD	Date	Insp	2 nd Insp							
ECI,CNI, VMD	11/10/2018	SAE	ALW	-						
				-						
				-						
	-			-						
				1						
				-						
			 							
	1									





Scottish Sea Farms Ltd Laurel House Laurelhill Business Park Polmaise Road Stirling FK7 9JQ

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

 BUSINESS NO
 FB0125
 DATE OF VISIT 03/10/2018

 SITE NO
 FS0254
 SITE NAME
 Knock

 INSPECTOR
 Svenja Elwenn
 CASE NO
 20180481

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

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

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

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

Mortality records were inspected and found to be adequately maintained.

R04

Mortality levels had exceeded the reporting criteria since the last inspection and had not been reported to the Fish Health Inspectorate. I would like to remind you of the industry agreement in relation to mortality reporting as detailed in A Code of Good Practice for Scottish Finfish Aquaculture.

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 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		Issued by: FHI	Date of issue: 12/09/201					
Case No: 2018-0483			Date of visit: 10/10/2018					
Time spent on site:	2 hours	Main	Inspector: AJW					
Site No: FS0575	Site Name:	Ormsary Smolt Unit						
Business No: FB0061	Business Name:	Landcatch Natural Se	lection Ltd					
Case Types: 1 MOV	2 3	4 5	6					
Water Temp (°C):	Thermometer No:		FHI 045 completed					
Observations:	Region: ST	Water type: F	CoGP MA:					
Dead/weak/abnormally behavi	ng fish present?	N If yes, see addition	onal information/clinical score sheet.					
Clinical signs of disease obser	ved?	N If yes, see additional information/clinical score sheet.						
Gross pathology observed?		N If yes, see addition	onal information/clinical score sheet.					
Diagnostic samples taken?		N						
UNI/REG only - if unable to carry out intended visit detail reason below:								

Additional Case Information:

Tank C2, 2019 S1 - destined for export small grade fish.

histo samples - routinely taken from smolts moved off site.

Export; MD18/039 10,500 smolts from tank C2 Fish Farm LLC, Dubai.

FHI 059, Version 11			Issu	ed by: FHI			Date of issue	e: 12/09/2017
Case No:	2018-0483]	Site No:	FS0575				
Date of Visit:		10/10/2018			Inspector(s):	AJW		
Registration/Author 1. Business/site deta 2. Changes made to	ails summary		ite representa	.tive?			Y N	
Site Details								
Total No facilities		108	Facilities stoo	cked	101	No facilitie	es inspected	1
	Sal	sal						
3-3-1	SO 2018	S1 2019						
No Fish	1.15 milion	3.28 million						
Mean Fish Wt	82g	39g						
Next Fallow Date (Si	ite)	no		Next Input Da	ite (Site)	jan 2019		
					1			
Recent (last 4 wks) of	disease probl	ems?		N	Any escapes	s (since last	visit)?	N
If yes, detail:								
Movement Records	;							
1. Movement records	s available fo	r inspection?						Y
2. Date of last inspec	ction:						01/10/2018	
3. Are records comp		•						Y
4. Are movement red								N/A
5. Are records comp		•						N/A
6. Are health certification	ates for introd	ductions (outw	ith GB) availa	ble?				N/A
Transport Records								
1. Are any movement of the second sec								
Mortality Records								
1. Mortality records a		•						Y
2. How are mortalitie	s disposed o	f?			Incinerated -	on site		
If other detail:								V
3. Mortality records of	•	•						Y
4. Recent mortality (I	•		wk 38- 0.13%	o/site/wk				N
5. Evidence of recen If yes, facility nos/no		• •		lroccon:				N
If yes, facility flos/flo	mortality per	Tacility/110 Sto	ck per facility/	reason.				
6. Any other peaks ir	n mortality du	rina period ch	ecked?					N
If yes, detail:								
7. Have increased (u	inexplained)	mortalities bee	en reported to	vet or FHI?				N/A
If yes, detail action:								
8. Have 'mortality eve	ents' been re	ported to FHI	? If no, add M	RT case and e	enter on morta	ality 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)?	
If yes, detail:	
If other, detail:	
2. Medicines records available for inspection?	
3. Are records complete and correctly entered?	
4. Are fish in a withdrawal period?	
5. If yes, what treatment(s)?	
If other, detail:	
6. Are medicines stored appropriately?	
Biosecurity Records	
Biosecurity records available for inspection?	
2. Has the manner and frequency of mortality removal, recording and safe disposal been considered?	
3. Has the manner and period in which the APB will notify Scottish Ministers or veterinary professional of any	
increased (unexplained) mortality at the site been included?	
4. Has the action that will be taken in the event that the presence or suspicion of the presence of a listed disease	
is detected been included and how and when that will be notified to Scottish Ministers?	
5. Has the health status of aquaculture animals being stocked on the farm site been covered (equal or higher	
health status, certification if required)?	
6. Have the husbandry and biosecurity measures implemented between each epidemiological unit to minimise	
transmission of disease been covered (movement of staff, visitors, equipment, live or dead fish etc.)?	
7. Is documentation available regarding the measures in place to maintain the physical containment of	
aquaculture animals held on site?	
8. Have the biosecurity procedures been adequately implemented on site?	
If no, detail:	
Results of Surveillance	
1. Has any animal health surveillance been carried out by, or on behalf of, the business?	N
2. If yes, are results available for inspection?	
3. Any significant results?	
If yes, detail (if not detailed under recent disease problems).	

1/10/18-10/10/18 Records checked between:

Case No:	2018-0483			Date of visit:	10/10/2018			
Site No:	FS0575]		Inspector:	AJW]		
Results Summary	Freq.				te of Notifica	tion		
results outlinary	1 104.	Database	Insp		Insp	Writing	Insp	2 nd Insp
								2 1100
	+	-			-			
	1							1
D 0	_							
Report Summary	D (nd .					
Case Type	Date	Insp	2 nd Insp					
MOV	24/10/2018	AJW	ALW					
	+			4				
	1		 					





Landcatch Natural Selection Ltd Ormsary Fish Farm Lochgilphead Argyll PA31 8PE

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS NO FB0061 **DATE OF VISIT** 10/10/2018

SITE NO FS0575 SITE NAME Ormsary Smolt Unit

INSPECTOR Amanda Walker Case No 20180483

Inspection for export to a third country

The above site was visited and a consignment of Atlantic salmon smolts for export to Dubai was inspected. A health certificate was issued which must travel with the consignment to the destination.

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

Signed: Date: 24/10/2018

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	lss	sued by: FHI	Date of issue: 12/09/2017				
Case No: 2018-0484			Date of visit: 10/10/2018				
Time spent on site:	8 hours	Main Inspec	ctor: AJW				
Site No: FS1047	Site Name:	Loch Creran (D)					
Business No: FB0125	Business Name:	Scottish Sea Farms Ltd					
Case Types: 1 ECI	2 CNI 3 SLI	4 VMD 5 DIA	6				
Water Temp (°C): 12.8	Thermometer No:	T146	FHI 045 completed				
Observations:	Region: ST	Water type: S	CoGP MA: M-36				
Dead/weak/abnormally behavir			ormation/clinical score sheet.				
Clinical signs of disease observ	/ed?		ormation/clinical score sheet.				
Gross pathology observed? Diagnostic samples taken?		Y If yes, see additional in	ormation/clinical score sheet.				
LINI/DEO anha itamahla ta aan							
UNI/REG only - if unable to carry out intended visit detail reason below:							

Additional Case Information:

Fish input; Dec 2017- Jan 2018 Loch Damph, Knock and Loch Ba.

Morts going to Shian and put through PP. Temporary measures until new incinerator up and running on new barge. Some Billy Bowie runs when morts were at peak.

Currently under a slice treatment. Last hydrolicer was 22-25/9/18. Looking to do thermolicer next week.

PGD scores high. 3-4 at worst in cages 2,4

Mort peaks W/B 24th sept; Pen 2; 2052 (21239 fish in pen), Pen 4; 2155 (21581 in pen) Pen 7; 2858(16481 fish in pen)

High morts on input in aquagen cages attributed to fungus.

Health results; chronic water bourne insult, plankton or jelly fish causing gill damage. Heavy lice loads

Current lice levels; last count; 2.93 juv, 20.11 mobiles, 1.09 adult female.

Issue with mobiles; adult female levels have been lower and below the average 3 levels

Slice only chemical treatment this cycle

Obervation on site;many fish with white heads and some with red heads on site. Worst cages 1 and 7. Fish in these cages currently on starve for thermolicer treatment Mon-wed next week. High numbers of lice observed in fish removed for sampling but very few adult females.

FHI 059, Version 11			Issue	ed by: FHI			Date of issue	e: 12/09/2017
Case No:	2018-0484		Site No:	FS1047				
Date of Visit:		10/10/2018			Inspector(s):	AJW		
Registration/Author 1. Business/site deta 2. Changes made to	ails summary		e representa	tive?			Y Y	
Site Details								
Total No facilities		14	Facilities stoo	cked	14	No facilitie	s inspected	14
	sal	wrasse						
Age group	2017 Q4,	adult						
No Fish	337,199	18,222						
Mean Fish Wt	1.77kg	100g						
Next Fallow Date (Si	ite)	july 2019		Next Input Da	ate (Site)	2022		
					1			
Recent (last 4 wks) of				Y	Any escapes	(since last	visit)?	N
If yes, detail:	gill issues ar	nd lice						
Movement Records	3							
Movement records		r inspection?						Y
2. Date of last inspec		i iliapection:					08/04/2014	
3. Are records comp		actly entered?					00/04/2014	N
4. Are movement red		•	and waste?					N
5. Are records comp			and waste.					N
6. Are health certification		•	th GB) availa	ble?				N/A
Transport Records		(
1. Are any movement of the second of the sec		• '		•				N
•	em in place .	Of Illamichano.	5 or transper	lation records.				
Mortality Records								
1. Mortality records a	available for i	nspection?						Y
2. How are mortalitie		•			Other (detail)			
	see addition							
3. Mortality records of			red?					Y
4. Recent mortality (I				; 0.89%. See r	mort event spr	read sheet f	or previous w	eeks
5. Evidence of recen	ŕ	_						Y
If yes, facility nos/no		• •		reason:				
2, 4,7 Cages see ac	dditional info							
6. Any other peaks in			ecked?					Y
If yes, detail:	fungus relate	ed morts post ir	nput					
7. Have increased (u				vet or FHI?				Y
If yes, detail action:		lice treatments						
8. Have 'mortality eve	ents' been re	ported to FHI?	If no, add M	RT case and e	enter on morta	lity events s	heet.	Y

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)?	Y
If yes, detail: T.M.S., Slice	
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)? slice and TMS	
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	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?	Y
If yes, detail (if not detailed under recent disease problems). Complex gill issues	

Records checked between: input until 11/10/18

Г	al 059, version i i							155	ueu by.	ГП			
	Case no:	2018-04	184	Site No:		FS1047			Date of Samplin		10/	10/2018	11/
	Priority samples:	VI		ВА		PA		MG		HI			
	Time sampling starts/ends:	12:0	0:00	14:0	0:00		Inspecto	or:	AJW		VMD No	D.	20
	Environmental conditions:	1	Indoors	2		3		4		5			
	Summary samples	HIST	Υ	BA	Υ	MG	Υ	VI	Υ	PA		Total Sa	mples
A	dd Fish/Pools - click												
	Pool/Fish No	F1	F2		F4	F5	P1						
	Fish nos	1	2	3	4	5	1-5	6	7	8	9		
	Pool Group	P1	P1	P1	P1	P1							
	Species	SAL	SAL	SAL	SAL	SAL	SAL	SAL	SAL	SAL	SAL		
	Average weight	1.0000	1.5000	1.5000	1.5000	1.5000	1.5000	2.0000	2.0000	2.0000	2.0000		
	Sex												
	Water Type	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW		
									hd				
Details								D	am				
)eta		쏬	쏬	쏬	쏬	쏬	쏬	, a	ي	쏬	쏬		
		Knock	Knock	Knock	Knock	Knock	Knock	Loch Ba	Loch Damph	Knock	Knock		
Stock	Stock Origin Facility No	7	7 7		7	7	7	<u>ئ</u> 2			8		
S	I dollity 140	1	1	I	1	1	1	2	4	U	0		

1 1 11 000, Versio	,,,,,,								133	ueu by.			
10/2018 Additio	10/2018 Additional Sample Information:												
6	Total To	ests ass	igned	5	l								

FHI 059, Version 11 Issued by: FHI Date of issue: 12/09/2017 Method of killing: Anaesthetic Case no: 2018-0484 Site No: FS1047 Inspector(s): AJW Sheet Relevant: Y Date of visit: 10/10/2018 S for strong presence: M for medium presence: W for weak presence Fish Number Time sampled after death (if > 45 minutes) External Signs Behaviour Moribund 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 S Zoned Necrotic **Flank** S Lesions **Elsewhere** S Vent Inflamed Trailing faeces 20+ 20+ 20+ 20+ 20+ Lice Load **Estimate numbers** Internal Signs М Clear **Ascites** W Bloody Oedema In tissues Heart Pale/anaemic Granulomas Deformed Liver Petechial haem Gross haem Tissue breakdown Enlarged Colour number(s) Granulomas

M

Lesions

Enlarged

Granulomas
No food present

Haemorrhaging Haemorrhaging

Parasites present

Fluid filled

Swollen
Grey
Granular
Liquefied

Anaemia

Yellow pseudo-faeces
External haem
Internal haem

Petechial haem Tubules mauve Lack of fat

Pyloric caeca

Spleen

Body wall

Kidney

General

Swim bladder

Gut

Case no: 2018-0484

Date of visit:	10/10/2018	1						
	nce: M for medium presence: W for	٨		1		,	1	
Fish Number								
	er death (if > 45 minutes)							
External Signs	Tag							
Behaviour	Moribund							
	Lethargic Hanging vertical							
	Spiralling							
	Flashing							
	Loss of equilibrium							
Body	Dark							
,	Distended abdomen							
	Anorexic							
	Scale Oedema							
Opercula	Shortened							
	Flared							
Haemorrhaging	Throat							
	Ventrum							
	Base of fins							
	Elsewhere							
Eyes	Exophthalmic (see less)							
	Enophthalmic (sunken)							
	Cataract							
Gills	Haemorrhagic Pale							
GIIIS	Zoned							
	Necrotic							
Lesions	Flank							
20010110	Elsewhere							
Vent	Inflamed							
	Trailing faeces							
Lice Load	Estimate numbers							
Internal Signs								
Ascites	Clear							
	Bloody							
Oedema	In tissues							
Heart	Pale/anaemic							
	Granulomas							
Liver	Deformed Petechial haem							
Liver	Gross haem							
	Tissue breakdown							
	Enlarged							
	Colour number(s)							
	Granulomas							
	Lesions							
Pyloric caeca	Petechial haem							
	Tubules mauve							
	Lack of fat							
Spleen	Enlarged							
	Granulomas							
Gut	No food present							
	Yellow pseudo-faeces							
	External haem							
Rody wall	Internal haem							
Body wall Swim bladder	Haemorrhaging							
Swiiii Diauder	Haemorrhaging Fluid filled							
Kidney	Swollen							
. dancy	Grey							
	Granular							
	Liquefied							
General	Parasites present							
	Anaemia							

FHI 059, Version 11		Issued by: FHI			Date of	of issue	: 12/09/20)17
Case Number:	2018-0484		Site No:	FS1047		Insp:	AJW	
Date of Visit	10/10/2018		No of m	ovements/s	supp./dest.		Score	
Live fish movements			0	1-5	6-10	>10		
Movements on (from out	Frequency of n	novements on from equivalent MS	0	5	10	14		0
with GB) of susceptible species	Frequency of movements on from equivalent zone or compartment including third country			9	18	26		
	Number of sup	<u> </u>	0			14	_	-
Movements off			0	ļ		10		10
iviovements on	Frequency of n		0		6	10	<u> </u>	3
Exposure via water		Site contacts	. 0	1-5				
Water contacts with other farms (holding species	Farm is protect disinfection or I	ed (secure water supply through	0					٦
susceptible to same		or in a coastal zone with category I						┪
diseases)		or within 1 tidal excursion	1	2	4		<u> </u>	2
	farms upstrean	or in a coastal zone with category III or within 1 tidal excursion	1	3	6			
		or in a coastal zone with category V nor 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			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					
	Processing fish	from MS of equivalent status	2					
	Processing fish equivalent state	from zone or compartment of	4					
	Processing fish from Category III farm							7
	Processing fish	from Category V farm	10					
Disposal of fish and fish by-	Site's own was	te only processed.	0	Ī				Ī
products	Common proce	esses with other farms	3					3
	Collection poin	t for waste from other farms	5					
Use of unpasteurised feeds	No feeding of u	npasteurised feed	0	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			2
	Sites sharing s	taff and equipment	0	1	2			0
Disinfection of equipment	Yes		0	1				0
between sites, use of footbaths etc	No		1					
CoGP/Regulator				_				
Practices in accordance	Yes		0					0
with regulator or industry code of practice	No		3					
Platform access to cages	Yes		0					0
	No		2					╛
					Total Rank		MEDIUN	21 //

Case No:	2018-0484		S	ite No:	FS1047		
Sea Lice Inspection (Seawater Sites Only)						
1. Has the site experie	nced sea lice problems in	the previous 4 years	s?				Υ
2. Is the CoGP Farm M	lanagement Area (or equi	ivalent) fallowed syn	chronously on a	a single y	ear class basis?		Υ
azamethiphos and emacan these be deployed 4. Is there a signed do	access to a range of licend amectin benzoate) as we in a reasonable period of cumented farm managem	ell as access to suitab f time?	ole biological an	d/or mecl	hanical control me	easures, and	Y
Management Area (or							
5. Are sea lice count re	ecords available for inspec	ction? (Legal SSI, Co	GP Annex 6)				Υ
6. Do records adequate	ely reflect the required sta	andard specified in th	e SSI and the C	CoGP? (L	egal SSI, CoGP A	Annex 6)	Υ
7. Are sea lice (<i>L. saln</i> records are inspected?	nonis) record levels below (CoGP Annex 6)	v the suggested criter	ria for treatment	in the Co	oGP during the pe	eriod that	N
8. Have average adult records are inspected?	female sea lice (<i>L. salmo</i>	nis) numbers per fish	h been at a leve	of 3 or a	above during the p	period that	N
If yes, have these beer	n reported to the Fish Hea	alth Inspectorate? If n	no, FHI see com	ment.			
9. Is <i>C. elongatus</i> infe	station at a level which is	considered to cause	significant welfa	are proble	ems? (CoGP 4.3.8	31, 5.3.50)	N
	reatments been administer reatment or where <i>C. elor</i>						Υ
11. Has any other action	on been taken (where app	olicable)?					Υ
12. Have therapeutic tr	eatments or the actions to	aken had a significan	nt impact upon t	he lice le	vels recorded?		Υ
13. Are treatments, wh	ere conducted, carried ou	ut in cooperation betw	veen participatir	ng farms?	•		Υ
	ng strategy for the site, wh	•	•	~		tment for	Υ
	ific written lice managemescalation of a sea lice infe		aypoints describ	oing set a	actions to deal with	n recognised	Υ
16. Does the stock on reasons.	site appear satisfactory in	relation to sea lice lo	evel and sea lic	e count d	lata? If no please	detail	Υ
Containment Inspect	ion						
•	nced equipment damage	due to predators in the	he current or pro	evious pro	oduction cycles?		N
•	ce to mitigate against the	•	•	•	•		Υ
ADDs,saphire seal p			· ·		,		
If other, detail below:	·						
,							
3. Have escape incide	ents or events been experi	ienced on or in the vi	cinity of the site	since the	e last FHI inspecti	ion?	N
•	estions $4 - 9$. If No skip to ported to Scottish Minister	•					
5. Have these been re	ported to local DSFB forth	nwith (where they exis	st)? (CoGP – 4	.4.37, 5.4	·.17)		
6. Have these been rep	ported to the SSPO and lo	ocal fisheries trusts fo	orthwith (where	they exis	t)? (CoGP – 4.4.3	7, 5.4.17)	
7. Were methods (if ar	y) used to recover escape	ees? If yes give deta	il				
0.16.11							
8. If gill nets were depl Ministers? (Legal, CoG	oyed was this action agre SP – 4.4.38, 5.4.18)	ed with local wild fish	n interests and v	was perm	ission given by So	cottish	
	en to prevent and minimis	se the risk of further	escapes? (Not o	covered in	n code but could		
	r satisfactory measures			J. 51 50 11	- Jour Sat Godia		
	d as satisfactory with rega	· ·	If no, please de	etail reaso	on(s)		Υ
			, p.0000 00		(-)		

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: 2018-0484	Site No: FS1047	
Date of Visit: 10/10/2018	Inspector: AJW	
Point of Compliance		
1. Is the farm under inspection located v	_	Y
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 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? 12. Does the FMAg/S identify the arrang fish farm in the area or the individual fa Arrangements for The Management of		or farm? or farm? Y in the area or the dead fish from any
 14. Does the FMAg/S identify the availation of statement? 15. Does the FMAg/S identify any requirilice on farms in the area or individual fail 16. Does the FMAg/S identify the circum used on farms in the area or individual f 	bility and the use of medicines on farms coverements for the sensitivity testing of available rms?	treatments for sea 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 acceptal	ble harvest practices on farms in the area or individ	lual farms?
Fallowing		
21. Does the FMAg/S identify the dated date when a farm or area may be resto	es by which the area or individual farm will be fallow ocked?	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
_	broodstock or potential broodstock are to be kept ont?	on any site Y
Point of Compliance for Farm Mana	gement Agreements Only	
24. Does the farm management agree parties to the agreement?	ement 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 sta	atement?
26. What is the version no/date of issu	ue of the FMAg/S? 2017-2019	

Site No: FS1047
Case No: 2018-0484

Action taken (FHI):

Nature of non-compliance:

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

Case No: 2018-0484 Date of visit: 10/10/2018

Site No: FS1047 Inspector: AJW

Results Summary	Freq.	Date of Notification								
		Database Ins	p Phone	Insp	Writing	Insp	2 nd Insp			
CGDH	5/5	24/10/2018 AJ	W 24/10/2018	ALW	31/10/2018	AJW				
EPIT	1/5	24/10/2018 AJ	W 24/10/2018	ALW	31/10/2018	AJW				
GPAT	5/5	24/10/2018 AJ	W 24/10/2018	ALW	31/10/2018	AJW				
SPVH	2/5	24/10/2018 AJ	W 24/10/2018	ALW	31/10/2018	AJW				
MG AGD	0/5	24/10/2018 AJ	W 24/10/2018	ALW	31/10/2018	AJW				
MG IHN	0/1	24/10/2018 AJ	W 24/10/2018	ALW	31/10/2018	AJW				
MG IPN	0/1	24/10/2018 AJ	W 24/10/2018	ALW	31/10/2018	AJW				
MG ISA	0/1	24/10/2018 AJ	W 24/10/2018	ALW	31/10/2018	AJW				
MG Para Ther	5/5	24/10/2018 AJ	W 24/10/2018	ALW	31/10/2018	AJW				
MG Sal Pox	5/5	24/10/2018 AJ	W 24/10/2018	ALW	31/10/2018	AJW				
MG SAV	0/1	24/10/2018 AJ	W 24/10/2018	ALW	31/10/2018	AJW				
MG VHS	0/1	24/10/2018 AJ	W 24/10/2018	ALW	31/10/2018	AJW				
SKIN	2/5	24/10/2018 AJ	W 24/10/2018	ALW	31/10/2018	AJW				
VSPE	5/5	29/10/2018 AJ	W		31/10/2018	AJW				
PSFL	3/5	29/10/2018 AJ	W		31/10/2018	AJW				
<u> </u>										

Report Summary			
Case Type	Date	Insp	2 nd Insp
ECI, SLI, CNI, VMD	29/10/2018	AJW	ASM
Diag	31/10/2018	AJW	ASM





Scottish Sea Farms Ltd Laurel House Laurelhill Business Park Polmaise Road Stirling FK7 9JQ

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

Business NoFB0125Date of Visit11/10/2018Site NoFS1047Site NameLoch Creran (D)InspectorAmanda WalkerCase No20180484

Section 1: Summary

During a routine inspection, records showed raised mortality levels at Loch Creran (D). Five fish were removed for diagnostic examination.

Histopathology examination revealed mild complex gill pathology with features resembling salmon gill poxvirus. Additional samples tested positive for salmon gill poxvirus by QPCR. The presence of epitheliocystis structures were also noted. Two fish also showed skin lesions which may impact on the osmotic balance.

Due to the gill health issues reported on site, samples were screened for *Neoparamoeba* perurans (causative agent of AGD) and *Paranucleospora theridion* by QPCR. Samples tested positive for *Paranucleospora theridion*.

Two *Vibrio* sp. were isolated. These were not thought to be the primary source of morbidity however the level of growth of the vibrio bacteria was significant on the gill and skin lesions.

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

Loch Creran (D) was visited by the fish health inspectorate for a routine EC inspection. During the inspection it was noted that elevated mortality had been recorded at the site but this had dropped to 0.89% for the site for the last full week.

Health surveillance at the site had indicated a chronic water bourn insult, possibly plankton or jellyfish, causing gill damage.

On inspection of the site several moribund fish, some with white or red head lesions were observed in all pens. Five were removed for diagnostic examination. These fish displayed heavy lice loads and three of the five had extensive head lesions with another having a flank lesion. Three of the five fish exhibited pale gills. Internally one fish had bloody ascites and one had clear ascites. All fish had pale livers and fish three had an enlarged spleen.

<u>Samples</u>

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

Fish number	Pool number	Facility number	Species	Stage	Origin
1-5	1	7	Atlantic salmon	1.5 kg	Knock

Results

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

The following bacteria were isolated;

- Pseudomonas *fluorescens* (from gill material in 3/5 fish sampled)
- Vibrio spp. (two isolates);

There was heavy bacterial growth on the plates inoculated with material from lesions and gills, but not internally, for one of the *Vibrio* sp. and there was lighter growth of the second *Vibrio* sp.

The predominant *Vibrio* sp. was observed on plates taken from kidney material of 5/5 fish, lesion material of 4/4 fish and gill material of 5/5 fish. The second *Vibrio* sp. was observed on plates taken from kidney material of 3/5 fish and lesion material of 4/4 fish.

From the tests conducted on both *Vibrio* sp. we have evidence which may indicate some resistance to amoxicillin.

We do not have evidence of resistance to 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).

Salmon gill poxvirus (SGPV)

Fish Number	Endogenous control Cp value	Cp Values			Reported Result (PCR)
F1	21.93	23.26	23.26	23.04	POSITIVE
F2	22.60	23.66	23.22	23.69	POSITIVE
F3	22.40	28.39	28.67	28.63	POSITIVE
F4	22.25	30.55	29.78	30.39	POSITIVE
F5	21.75	32.62	32.18	32.55	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).

Paranucleospora theridion

Fish Number	Endogenous control Cp value		Cp Values	Reported Result (PCR)	
F1	21.93	30.48	30.66	30.46	POSITIVE
F2	22.60	36.03	36.19	35.55	POSITIVE
F3	22.40	37.26	36.18	36.96	POSITIVE
F4	22.25	36.21	36.14	35.61	POSITIVE
F5	21.75	31.95	31.4	31.5	POSITIVE

The samples tested negative for *Neoparamoeba perurans*.

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

The following histopathological changes were observed:

<u>Gill:</u> Mild multifocal interlamellar hyperplasia (F3) and in F5 noted mainly at the tips of gill filaments. Several individual lamellae with epithelial hyperplasia and circulatory disturbances (thrombi) were noted in F2. F1 and F2 showed few apoptotic cells shedding off and some chloride cell displacement. Several basophilic epithelial inclusions (likely epitheliocystis) also noted in F2. Few scattered aneurysmal dilation/telangiectasia noted in F1.

<u>Skin & Muscle:</u> Absence of epidermal layer noted in F2. Mild dermal oedema with mild leucocyte infiltration (F3 & F4) and presence of mixed bacteria that stained Gram negative (F4). Skeletal necrosis and mild haemorrhage also noted in F3 and F4.

<u>Heart:</u> Occasional nests of basophilic nuclei noted in F1, F2 & F5 and foci of subendocardial fibrosis (F3).

Gut and pyloric caeca: Presence of bacteria within the intestinal lumen (hindgut) (F3 & F5).

Pancreas: Within normal range.

<u>Liver:</u> Mild multifocal hepatic necrosis (F2) and hepatocyte vacuolation (F5).

Signed:

Fish Health Inspector

Date: 30/10/2018

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

R09





Scottish Sea Farms Ltd Laurel House Laurelhill Business Park Polmaise Road Stirling FK7 9JQ

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

Business NoFB0125Date of Visit11/10/2018Site NoFS1047Site NameLoch Creran (D)InspectorAmanda WalkerCase No20180484

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 found to be inadequately 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: No records were available for the movement of fish mortalities off site for disposal through the processing plant at South Shian or for the fish removed by Billy Bowie. The unique FS numbers for sites were not recorded in the movement records book. Future movements of dead fish off site and the FS numbers for movements on and off site will be recorded in the movement records book.

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

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: 29/10/2018

FHI 059, Version 11		Issued by: FHI	Date of issue: 12/09/2017
Case No: 2018-0485			Date of visit: 02/10/2018
Time spent on site:	h	Main Inspe	ector:
Site No: FS0194	Site Name:	Upper Loch Tormasad	
Business No: FB0169	Business Name:	The Scottish Salmon Comp	pany
Case Types: 1 ECI	2 CNI 3	4 5	6
Water Temp (°C): 10.6	Thermometer No:	T173	FHI 045 completed
Observations:	Region: WI	Water type: F	CoGP MA:
Dead/weak/abnormally behaving	fish present?	n If yes, see additional ir	nformation/clinical score sheet.
Clinical signs of disease observe	d?	n If yes, see additional ir	nformation/clinical score sheet.
Gross pathology observed?		n If yes, see additional ir	nformation/clinical score sheet.
Diagnostic samples taken?		n	
UNI/REG only - if unable to carry	out intended visit deta	il reason below:	

Additional Case Information:

2.92% mortality since input, total of 37, 17 were Lochcarron stock (Hebridean and Lochcarron stock on site)

Some restocking with both Hebridean strain (locally) and Lochcarron strain (Lochcarron catchment)

FHI 059, Version 11			Issu	ed by: FHI			Date of issu	ie: 12/09/2017		
Case No:	2018-0485		Site No:	FS0194	1					
Date of Visit:		02/10/2018	<u>.</u>		Inspector(s):]		
Registration/Autho 1. Business/site deta 2. Changes made to	ails summary		ite representa	itive?			Y Y	}		
Site Details										
	SAL	4	Facilities stoo	cked	4	No facilitie	es inspected	4		
Age group No Fish	2016 S1 1,231									
Mean Fish Wt	10.86kg									
Next Fallow Date (Si	ite)	Jan 2019		Next Input Da	ate (Site)	July 2019				
Recent (last 4 wks) disease problems? N Any escapes (since last visit)? N If yes, detail:										
Movement Records	s									
1. Movement records		r inspection?						Y		
2. Date of last inspec	ction:						23/11/2016			
3. Are records comp		•						Y		
4. Are movement red								Y		
5. Are records comp6. Are health certification		•		ablo2				Y N/A		
		Juctions (outw	IIII GD) avalla	ible :				IN//		
Transport Records										
1. Are any movement If yes, is there a syst		• •		•	•			Y		
Mortality Records										
Mortality records a	available for i	nspection?						У		
2. How are mortalitie		•			Other (detail))				
	Landfill									
3. Mortality records of	•	correctly ento	ered?					У		
4. Recent mortality (last 4 wks):		15/site/last for	our weeks. (1.2	2%).					
5. Evidence of recen		• •						n		
If yes, facility nos/no	mortality per	facility/no sto	ck per facility/	/reason:						
6. Any other peaks in	n mortality du	uring period ch	aackad?					n		
If yes, detail:	Thortanty da	ning period on	eckeu:							
7. Have increased (u	unexplained)	mortalities be	en reported to	vet or FHI?				N/A		
If yes, detail action:										
8. Have 'mortality ev	ents' been re	ported to FHI	? If no, add M	RT case and	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)?		N
If yes, detail:		
If other, detail:		
2. Medicines records available for inspect	ion?	Y
3. Are records complete and correctly ent	ered?	Y
4. Are fish in a withdrawal period?		N/A
5. If yes, what treatment(s)?		_
If other, detail:		
6. Are medicines stored appropriately?		Y
Biosecurity Records		

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/A
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?	У
3. Has the manner and period in which the APB will notify Scottish Ministers or veterinary professional of any	
increased (unexplained) mortality at the site been included?	У
4. Has the action that will be taken in the event that the presence or suspicion of the presence of a listed disease	У
is detected been included and <i>how</i> and <i>when</i> that will be notified to Scottish Ministers?	
5. Has the health status of aquaculture animals being stocked on the farm site been covered (equal or higher health status, certification if required)?	У
6. Have the husbandry and biosecurity measures implemented between each epidemiological unit to minimise	V
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?	у
8. Have the biosecurity procedures been adequately implemented on site?	V
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?	Υ
3. Any significant results?	N
General health screen prior to transfer. Comp	any
If yes, detail (if not detailed under recent disease problems). biologist inspects once a month.	

Records checked between:

23/11/16 to 2/10/18

FHI 059, Version 11		Issued by: FHI			Date	of issue	: 12/09/2017	
Case Number:	2018-0485	5 Site No: FS0194 Insp:						
Date of Visit	02/10/2018		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	0	
	Number of sup	ocluding third country	0			14	0	
Mayananta aff			0					
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					
susceptible to same diseases)	Farm is on-line	or in a coastal zone with category I	1	2	4		1	
		or in a coastal zone with category III or within 1 tidal excursion	1	3	6		П	
		or in a coastal zone with category V or within 1 tidal excursion	1	4	8			
Management practices			None	Secure	Unsecure			
Water contacts with processors	Any processing	plant discharging into adjacent waters	0	1	2		0	
On farm processing within the rules of the directive	No on farm pro		0				0	
	Processing own	n fish (re-cycling risk)	1					
	Processing fish	from MS of equivalent status	2					
	equivalent statu		4					
		from Category III farm	8					
	Processing fish	from Category V farm	10					
Disposal of fish and fish by-	Site's own was	te only processed.	0				0	
products	Common proce	sses with other farms	3	1			0	
	Collection point	for waste from other farms	5	Ì				
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		2	
	Sites sharing s	taff and equipment	0	1	2		0	
Disinfection of equipment between sites, use of	Yes		0				0	
footbaths etc	No		1					
CoGP/Regulator								
Practices in accordance with regulator or industry	Yes		0				0	
code of practice	No		3					
Platform access to cages	Yes		0				0	
	No		2					
					Total		12	
					Rank		LOW	

Case No:	2018-0485		Site I	No:	FS0194		
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			ngle 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	ell as access to suitable of time?	e biological and/or	r mech	hanical control measu	ures, and	
•	ecords available for inspe	ection? (Legal SSL Co	SP Annex 6)				
	ely reflect the required st		•	P? (L	egal SSI, CoGP Anno	ex 6)	
7. Are sea lice (L. salm records are inspected?	nonis) record levels below (CoGP Annex 6)	w the suggested criteria	a for treatment in t	the Co	oGP 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	above during the perio	od that	
If yes, have these beer	reported to the Fish He	alth Inspectorate? If no	, FHI see comme	nt.			
9. Is C. elongatus infes	station at a level which is	considered to cause s	ignificant welfare	proble	ems? (CoGP 4.3.81,	5.3.50)	
	reatments been administ reatment or where <i>C. elc</i>						
11. Has any other action	on been taken (where ap	plicable)?					
12. Have therapeutic tr	reatments or the actions	taken had a significant	impact upon the I	ice lev	vels recorded?		
	ere conducted, carried on g strategy for the site, w	·	• • •			nt for	
	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 lev	vel and sea lice co	ount d	ata? If no please deta	ail	
·	ion nced equipment damage ce to mitigate against the	·		•	•	N Y	
Top nets	tensioned nets	producer oxponence	a o o (2 o.a.)	0.011	,		
If other, detail below:							
ii otilei, detail below.							
If Yes proceed with que	ents or events been expendential expenses and the serious 4 – 9. If No skip to the serious and the serious expenses the serious expenses are serious expenses and the serious expenses are serious expenses are serious expenses and the serious expenses are serious expenses	o question 10	inity of the site sin	ice the	e last FHI inspection?	N N	
5. Have these been rep	oorted to local DSFB fort	hwith (where they exist)? (CoGP - 4.4.3	7, 5.4	.17)		
6. Have these been rep	ported to the SSPO and	ocal fisheries trusts for	thwith (where they	y exist	t)? (CoGP – 4.4.37, 5	5.4.17)	
7. Were methods (if an	y) used to recover escap	pees? 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 es	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? I	f no, please detail	reaso	on(s)	У	

Issued by: FHI

Date of issue: 12/09/2017

FHI 059, Version 11

Case No:	2018-0485			Date of visit:	02/10/2018			
Site No:	FS0194	1		Inspector:		l		
Results Summary	Freq.				te of Notifica			
		Database	Insp	Phone	Insp	Writing	Insp	2 nd Insp
	-							
	 							
	1							
	Ì							
	ļ							
Report Summary								
Case Type	Date	Inon	ond I.e. e.e.					
		Insp	2 nd Insp					
ECI,CNI	11/10/2018							
	 							
	 							
	1							





FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS NO FB0169
SITE NO FS0194
INSPECTOR

DATE OF VISIT 02/10/2018
SITE NAME Upper Loch Tormasad
CASE NO 20180485

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.

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.

R04

Reports detailing the results of animal health surveillance carried out by or on behalf of the business 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.



FHI 059, Version 11	Iss	ued by: FHI	Date of issue: 12/09/2017
Case No: 2018-0486			Date of visit: 03/10/2018
Time spent on site:	1.5h	Main Inspecto	or: DJT
Site No: FS1255 Business No: FB0169	Site Name: Business Name:	North Uiskevagh The Scottish Salmon Compan	ıy
Case Types: 1 ECI	2 CNI 3 SLI	4 VMD 5	6
Water Temp (°C): 12	Thermometer No:	T173	FHI 045 completed
Observations:	Region: WI	Water type: S	CoGP MA: W-15
Dead/weak/abnormally behaving Clinical signs of disease observed Gross pathology observed? Diagnostic samples taken?	•	Y If yes, see additional info	rmation/clinical score sheet. rmation/clinical score sheet. rmation/clinical score sheet.
UNI/REG only - if unable to carry	out intended visit detail re	ason below:	

Additional Case Information:

Treatment for AGD Wk 34 post treatment mortalities recorded (0.37%. Additional treatment week 38 post treatment morts 0.29% wk 38 and 0.23% wk 39%.

Mortalities have been grumbling since input (well below mortality reporting criteria) being attributed to some physical damage from 'cage furniture' and low level AGD.

Routine gill swabs taken for AGD. Results are used to direct treatment strategy.

Site to be used as a nursery site.

Some fish observed with damage to head, this is being attributed to 'cage furniture' injuries. These fish could not be caught to allow further examination. A lot of jumping was evident across the site. Good feeding response. The fish sampled for VMD were in good health with no lice evident.

FHI 059, Version 11		_	Issue	ed by: FHI	_		Date of issue	e: 12/09/2017
Case No:	2018-0486		Site No:	FS1255				
Date of Visit:		03/10/2018			Inspector(s):	DJT		1
Registration/Autho 1. Business/site deta 2. Changes made to	ails summary		te representa	tive?			Y N	
Site Details								
Total No facilities		12	Facilities sto	cked	12	No facilitie	s inspected	12
	SAL							
Age group	2018 S1							
No Fish	666,571							
Mean Fish Wt	627g							
Next Fallow Date (Si		DEC 2018		Next Input Da	te (Site)	April 2020		
Next I allow Date (O	ite)	DEC 2010		Next Input Da	- -	April 2020		
Recent (last 4 wks) of	disease probl	ems?		Y	Any escapes	(since last v	visit)?	N
			nht increase in	n mortalities pe		•	violey :	
,,	Gingini inioi Ga	30 0.7102 0	j			g		
Movement Records	5							
1. Movement records	s available fo	r inspection?						Y
2. Date of last inspec	ction:						29/08/2017	
3. Are records comp	lete and corre	ectly entered?						Y
4. Are movement red	cords availabl	e for dead fisl	n and waste?					Y
5. Are records comp	lete and corre	ectly entered?						Y
6. Are health certification	ates for introc	luctions (outw	ith GB) availa	ble?				N/A
Transport Records								
1. Are any movemen	nts carried ou	t bv (or on bel	nalf) of the bu	siness (not usi	ng a STB)?			Y
If yes, is there a syst		• '		•				Y
Mortality Records								
1. Mortality records a	available for in	nspection?						Y
2. How are mortalitie	es disposed o	f?			Other (detail)			
	Landfill				,			
3. Mortality records of		correctly ente	red?					Y
4. Recent mortality (last 4 wks):		6915 (1.03%) (attributed to	post treatmer	nt morts for	AGD)	
5. Evidence of recen	ŕ			/ \			,	Y
If yes, facility nos/no		* *		reason:				_
as above AGD.	The state of the s							
6. Any other peaks in	n mortality du	ring period ch	ecked?					N
If yes, detail:		<u> </u>						
7. Have increased (u	inexplained)	mortalities bed	en reported to	vet or FHI?				Y
If yes, detail action:			•	eatments adm	ninistered			
8. Have 'mortality ev						lity events s	heet.	N/A

Treatments and Medicines Records	
1. 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)?	
If other, detail:	
6. Are medicines stored appropriately?	Y
Biosecurity Records	
Biosecurity records available for inspection?	У
2. Has the manner and frequency of mortality removal, recording and safe disposal been considered?	У
3. Has the manner and period in which the APB will notify Scottish Ministers or veterinary professional of any	
increased (unexplained) mortality at the site been included?	У
4. Has the action that will be taken in the event that the presence or suspicion of the presence of a listed disease is detected been included and <i>how</i> and <i>when</i> that will be notified to Scottish Ministers?	У
5. Has the health status of aquaculture animals being stocked on the farm site been covered (equal or higher health status, certification if required)?	У
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.)?	У
7. Is documentation available regarding the measures in place to maintain the physical containment of aquaculture animals held on site?	У
8. Have the biosecurity procedures been adequately implemented on site? If no, detail:	У
Results of Surveillance	
1. Has any animal health surveillance been carried out by, or on behalf of, the business?	Y
2. If yes, are results available for inspection?	Y
3. Any significant results?	Y
If yes, detail (if not detailed under recent disease problems).	
Records checked between: 29/08/2017 to 3/10/18	

	ai 059, version i i					issued by. FIII							
	Case no:	2018-04	186	Site No:		FS1255			Date of v		03/1	10/2018	
	Priority samples:	VI		ВА		PA		MG	Sampling	y. HI			
	Time sampling starts/ends:		0:00		0:00		Inspecto	or:	DJT		VMD No). 	20
	Environmental conditions:	1	Indoors	2		3		4	\Box	5			
	Summary samples	HIST		ВА		MG		VI	F	PA		Total Sa	amples
A	dd Fish/Pools - click												
	Pool/Fish No												
	Fish nos	1-3	4-8	9-11	12-14								
	Pool Group												
	Species	SAL	SAL	SAL	SAL								
	Average weight	600g	600g	600g	600g								
	Sex	N/A	N/A	N/A	N/A								
	Water Type	SW	SW	SW	SW								
Stock Details		ы Ваглаѕ	2 Barvas	ω Amhuinnsuidhe	O Amhuinnsuidhe								
(1)	Tradinty 140	J	1	U	10								

	Addition	nal Sam	ple Infor	mation:										
0 Total Tests assigned 0														

FHI 059, Version 11		Issued by: FHI			Date	of issue	e: 12/09/2017
Case Number:	2018-0486		Site No:	FS1255		Insp:	DJT
Date of Visit	03/10/2018		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	_		40		
species	· ·	ncluding third country	0		18		
	Number of sup	ollers	0	5			
Movements off	Frequency of m		0				6
	Number of des		0			10	3
Exposure via water		Site contacts	0	1-5	6-10		
Water contacts with other farms (holding species	disinfection or l	•	0				
susceptible to same diseases)		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		
	Farm is on-line	or in a coastal zone with category V					
	farms upstream	or within 1 tidal excursion	1	4	8		
Management practices			None	Secure	Unsecure		
Water contacts with processors	Any processing	plant discharging into adjacent waters	0	1	2		0
On farm processing within the rules of the directive	No on farm pro	cessing	0				0
	Processing own	n fish (re-cycling risk)	1				
	Processing fish	from MS of equivalent status	2	1			
	Processing fish equivalent statu	from zone or compartment of us	4				
	Processing fish	from Category III farm	8	1			
	Processing fish	from Category V farm	10]			
Disposal of fish and fish by-	Site's own was	te only processed.	0]			
products	Common proce	esses with other farms	3				3
	Collection poin	t for waste from other farms	5				
Use of unpasteurised feeds	No feeding of u	npasteurised feed	0	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		2
	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						Ω
	No		2				
					Total Pank		MEDIUM
					Rank		MEDIUM

Casa Na	0040 0400		0:	ta Nia.	E04055		
Case No:	2018-0486		Si	te No:	FS1255	_	
Sea Lice Inspection (Seawater Sites Only)						
1. Has the site experien	nced sea lice problems in	the previous 4 years	s?				N
2. Is the CoGP Farm M	lanagement Area (or equ	ivalent) fallowed syn	chronously on a	single y	ear class basis?		Υ
azamethiphos and ema can these be deployed	access to a range of licent amectin benzoate) as we in a reasonable period o cumented farm managem	ell as access to suitab f time?	ole biological and	d/or mecl	hanical control me	easures, and	Y
Management Area (or		ioni agreement or ste		. 10 1110 31		"	'
•	cords available for inspe	ction? (Legal SSI, Co	GP Annex 6)				Υ
6. Do records adequate	ely reflect the required sta	andard specified in th	e SSI and the C	oGP? (L	egal SSI, CoGP A	nnex 6)	Υ
7. Are sea lice (<i>L. salm</i> records are inspected?	nonis) record levels below (CoGP Annex 6)	v the suggested criter	ria for treatment	in the Co	oGP during the pe	riod that	Υ
8. Have average adult records are inspected?	female sea lice (<i>L. salmo</i>	onis) numbers per fish	h been at a level	of 3 or a	above during the p	eriod that	N
If yes, have these beer	reported to the Fish Hea	alth Inspectorate? If n	no, FHI see comi	ment.			N/A
9. Is <i>C. elongatus</i> infes	station at a level which is	considered to cause	significant welfa	re proble	ems? (CoGP 4.3.8	31, 5.3.50)	N
	eatments been administereatment or where <i>C. elon</i>						N/A
11. Has any other action	on been taken (where app	olicable)?					N/A
12. Have therapeutic tr	eatments or the actions t	aken had a significan	nt impact upon th	ne lice lev	vels recorded?		N/A
13. Are treatments, wh	ere conducted, carried ou	ut in cooperation betw	veen participatin	g farms?	•		Υ
	g strategy for the site, wh	•	•	~		ment for	Υ
	ific written lice managemecalation of a sea lice infe		aypoints describ	ing set a	ections to deal with	recognised	Υ
16. Does the stock on reasons.	site appear satisfactory ir	n relation to sea lice le	evel and sea lice	e count d	lata? If no please	detail	У
Containment Inspecti	on						
•	nced equipment damage	due to predators in the	he current or pre	evious pro	oduction cycles?		N
•	ce to mitigate against the	•	•	•	•		Υ
	Blinds, Tensioned Net		,		,		
If other, detail below:		o, . op o					
ii other, detail below.							
3. Have escape incide	nts or events been exper	ienced on or in the vi	cinity of the site	since the	e last FHI inspecti	on?	N
If Yes proceed with que	estions 4 – 9. If No skip to	question 10					
	ported to Scottish Ministe	•					
5. Have these been rep	oorted to local DSFB forth	nwith (where they exis	st)? (CoGP – 4.	4.37, 5.4	.17)		
6. Have these been rep	ported to the SSPO and lo	ocal fisheries trusts fo	orthwith (where t	hey exist	t)? (CoGP – 4.4.3	7, 5.4.17)	
7. Were methods (if an	y) used to recover escap	ees? If yes give detai	il				
O If all noto were dead	avad was this action are	and with local wild fall	intorcata and	100 55	iggion sives by C	ottich	
8. If gill nets were depl Ministers? (Legal, CoG	oyed was this action agre iP – 4.4.38, 5.4.18)	eu with local wild fish	i interests and w	as perm	ission given by So	เปแรก	
	en to prevent and minimi	se the risk of further	escapes? (Not c	overed in	n code but could		
	r satisfactory measures						
	d as satisfactory with reg	*	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: 2018-0486	Site No: FS1255	
Date of Visit: 03/10/2018	Inspector: DJT	
Point of Compliance		
1. Is the farm under inspection located v	_	у
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? m site(s) to which it applies? commencement of the agreement or stateme	у у у
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?		or farm? or farm? y y in the area or the
13. Does the FMAg/S identify arrangem	ents for the sharing of data on sea lice numb	ers and treatments?
14. Does the FMAg/S identify the available of statement?	bility and the use of medicines on farms cove	ered by the agreement y
	rements for the sensitivity testing of available	treatments for sea y
16. Does the FMAg/S identify the circum	nstances under which biological controls and	cleaner fish are to be
used on farms in the area or individual factors. Does the FMAg/S identify the arrangements	arms? gements for synchronous treatments on farms	cleaner fish are to be y s within the area? y
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 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?	v 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
23. Does the FMAg/S identify whether be covered by the agreement or statement	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, y
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? 26/02/2018	

Case No:	2018-0486	Date of visit: 03/10/2018						
Site No:	FS1255	1	Inspector: DJT					
Results Summary	Freq.			Da	te of Notificat	tion		
,	,	Database	Insp	Phone	Insp		Insp	2 nd Insp
	-							
	 							
	 							
	 							
Report Summary								
Case Type ECI,CNI,SLI,VMD	Date	Insp	2 nd Insp					
ECI,CNI,SLI,VMD	08/10/2018	DJT	SAE					
	<u> </u>							
	 							
	 							





FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

Business NoFB0169Date of Visit03/10/2018Site NoFS1255Site NameNorth UiskevaghInspectorDavid TomlinsonCase No20180486

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



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*

FHI 059, Version 11	lss	sued by: FHI	Date of issue: 12/09/2017
Case No: 2018-0487			Date of visit: 03/10/2018
Time spent on site:	2h	Main Inspec	ctor: DJT
Site No: FS0051 Business No: FB0169	Site Name: Business Name:	Bagh Chlann Neill (Grimsay) The Scottish Salmon Compa	
Case Types: 1 ECI	2 CNI 3 SLI	4 5	6
Water Temp (°C): 11.5	Thermometer No:	T173	FHI 045 completed
Observations:	Region: WI	Water type: S	CoGP MA: W-14
Dead/weak/abnormally behaving Clinical signs of disease observed? Gross pathology observed? Diagnostic samples taken?	· ·	n If yes, see additional inf	formation/clinical score sheet. formation/clinical score sheet. formation/clinical score sheet.
UNI/REG only - if unable to car	ry out intended visit detail re	eason below:	

Additional Case Information:

Mortality rates recorded above reporting threshold wk 29 102 1.36%. Wk 31 124 1.68%. Wk 32 94 1.29%. Wk 33 73 1.02%. Wk 35 181 2.57%. Wk 37 91 1.33%. Wk 38 69 1.02%. Some low level AGD and CMS. When sorting through fish for selecting suitable broodstock the fish did not take the anaesthetic/handling and operation was abandoned. This resulted in some additional mortality and predator damage. ADD were installed wk 36 and predator nets were also adjusted to ensure better containment.

No sea lice therapeautants (other than peroxide)can be used therefore sea lice strategy differs from other sites. Wrasse are used however there is no sea lice action plan in VHP or FMS

Lice levels above the reporting criteria 19/7/18 AF 4.9, 27/7/18 5.28 AF, 2/8/18 4.3 AF, 10/8/18 3.1 AF, 16/8/18 2.61 AF 20/8/18 2.13 AF, 27/8/18 1.81 AF, 30/8/18 1.94 AF, 6/9/18 1.52 AF, 14/9/18 1.61 AF, 19/9/18 1.65 AF, 25/9/18 1.85 AF, 28/9/18 1.59 AF.

Wrasse being used to control lice numbers, this has been effective.

FHI 059, Version 11			Issue	ed by: FHI			Date of issue	e: 12/09/2017
Case No:	2018-0487		Site No:	FS0051				
Date of Visit:		03/10/2018			Inspector(s):	DJT		
Registration/Autho 1. Business/site deta 2. Changes made to	ails summary		e representa	tive?			у	
Site Details								-
Total No facilities		6	Facilities stoo	cked	4	No facilities	s inspected	4
Species	SAL	WRS						
Age group	2017 s1	Wild						
No Fish	6,561	529						
Mean Fish Wt	5.3kg	N/A						
Next Fallow Date (S	ite)	July 2019		Next Input Da	te (Site)	Sep 2020		
Recent (last 4 wks)	disease nrohl	ems?		Y	Any escapes	(since last)	/isit\2	N
,	low level AG			•	Апу сосарсо	(Sirice last)	7131t <i>)</i> :	IV
, 500, 4014		2 4.14 5.115						
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 O2/09/2015 Y N/A							Y Y Y N/A	
If yes, is there a syst	tem in place t	or maintenanc	e of transport	tation records?	?			
Mortality Records								
1. Mortality records a	available for i	nspection?						У
2. How are mortalities					Other (detail)			
If other detail: Landfill white shore cockles								
3. Mortality records of	complete and	correctly ente	red?					У
4. Recent mortality (last 4 wks):		226 (3.29%)	last four week	s, no wrasse r	morts. See a	additional com	
5. Evidence of recent increased/atypical mortalities?								
If yes, facility nos/no mortality per facility/no stock per facility/reason:								
see additional comm								
6. Any other peaks in mortality during period checked?								
If yes, detail: as above								
7. Have increased (unexplained) mortalities been reported to vet or FHI?								
If yes, detail action:		samples take						
8. Have 'mortality ev	ents' been re	ported to FHI?	If no, add MI	RT case and e	enter on morta	lity events s	heet.	Y

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 Medicines Records	
1. Recent treatments (last 4 wks)?	Y
If yes, detail: TMS	
If other, detail:	
2. Medicines records available for inspection?	Y
3. Are records complete and correctly entered?	у
4. Are fish in a withdrawal period?	n
5. If yes, what treatment(s)?	
If other, detail:	
6. Are medicines stored appropriately?	у
Biosecurity Records	
Biosecurity records available for inspection?	V
2. Has the manner and frequency of mortality removal, recording and safe disposal been considered?	У
3. Has the manner and period in which the APB will notify Scottish Ministers or veterinary professional of any	
increased (unexplained) mortality at the site been included?	У
4. Has the action that will be taken in the event that the presence or suspicion of the presence of a listed disease	у
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	У
health status, certification if required)?	
6. Have the husbandry and biosecurity measures implemented between each epidemiological unit to minimise	V
transmission of disease been covered (movement of staff, visitors, equipment, live or dead fish etc.)?	,
7. Is documentation available regarding the measures in place to maintain the physical containment of	У
aquaculture animals held on site?	,
8. Have the biosecurity procedures been adequately implemented on site?	у
If no, detail:	
Results of Surveillance	
1. Has any animal health surveillance been carried out by, or on behalf of, the business?	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). CMS, AGD	
in you, dottain (in not dottained direct notation disorded problemo).	

Records checked between: 2/9/2015 to 3/10/2018

FHI 059, Version 11		Issued by: FHI			Date	of issue	: 12/09/2017
Case Number:	2018-0487		Site No:	FS0051		Insp:	DJT
Date of Visit	03/10/2018		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	0
·	Number of sup	ocluding third country pliers	0			14	0
Movements off	Frequency of m		0	3	6	10	10
INOVERNEETIES ON	Number of desi		0			10	3
Exposure via water	,	Site contacts	0	1-5	6-10		
Water contacts with other farms (holding species	Farm is protect disinfection or b	ed (secure water supply through corehole)	0				
susceptible to same diseases)	farms upstream	or in a coastal zone with category I n or within 1 tidal excursion	1	2	4		2
	farms upstream	or in a coastal zone with category III n or within 1 tidal excursion	1	3	6		ш
		or in a coastal zone with category V n or within 1 tidal excursion	1	4	8		ш
Management practices			None	Secure	Unsecure		
Water contacts with processors	Any processing	g plant discharging into adjacent waters	0	1	2		0
On farm processing within the rules of the directive	No on farm pro	cessing	0				0
	Processing own	n fish (re-cycling risk)	1				
	Processing fish	from MS of equivalent status	2				
	equivalent statu		4				
		from Category III farm	8				
	Processing fish	from Category V farm	10				ш
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	inpasteurised 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		2
	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 with regulator or industry	Yes		0				0
code of practice	No		3				
Platform access to cages	Yes		0				0
	No		2				
					Total		20
					Rank		MEDIUM

FHI 059, Version 11	Issued by: FHI	Date of issue: 12/09/2017
Case No: 2018-0487	Site No: FS0051	
Date of Visit: 03/10/2018	8 Inspector: DJT	
Point of Compliance		
1. Is the farm under inspection located If N, no further questions require comp	•	у
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? If commencement of the agreement or statement	у У У
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 arran fish farm in the area or the individual farm. Arrangements for The Management		or farm? y or farm? y n 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 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	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 or?	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	ratement?
26. What is the version no/date of issue	e of the FMAg/S? 04/08/2016	

FHI 059, Version 11	Issued by: FHI	Date of issue: 12/09/2
Case No: 2018-0487	Site No:	FS0051
Sea Lice Inspection (Seawater Sites Only) 1. Has the site experienced sea lice problems		n
	equivalent) fallowed synchronously on a single v	year 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 4. Is there a signed documented farm manage	enced in-feed and bath sea lice medications (in well as access to suitable biological and/or med	ocluding deltamethrin, chanical control measures, and
Management Area (or equivalent)?		
5. Are sea lice count records available for ins		Y
6. Do records adequately reflect the required	standard specified in the SSI and the CoGP? (I	Legal SSI, CoGP Annex 6)
7. Are sea lice (L. salmonis) record levels be records are inspected? (CoGP Annex 6)	low the suggested criteria for treatment in the C	oGP during the period that N
records are inspected?	monis) numbers per fish been at a level of 3 or	above during the period that
	Health Inspectorate? If no, FHI see comment.	Y
9. Is <i>C. elongatus</i> infestation at a level which	is considered to cause significant welfare problem	lems? (CoGP 4.3.81, 5.3.50) N
•	istered or other actions taken when <i>L. salmonis</i> elongatus is considered to have welfare implica	
11. Has any other action been taken (where a	applicable)?	N
12. Have therapeutic treatments or the action	ns taken had a significant impact upon the lice le	evels recorded?
	out in cooperation between participating farms where fewer populations or part populations are	
	ement procedure with waypoints describing set infestation?	actions to deal with recognised N
16. Does the stock on site appear satisfactor	y in relation to sea lice level and sea lice count	data? If no please detail
	ge due to predators in the current or previous p	
A.D.D., M.M.L., Predator Nets (below), T	the predation experienced on site? (Detail below ensigned Nets, Top Nets	v)
If other, detail below:	ensioned recis, rop recis	
 Have escape incidents or events been explicted by the second of the secon		ne last FHI inspection?
·	orthwith (where they exist)? (CoGP - 4.4.37, 5.4 d local fisheries trusts forthwith (where they exist)	
7. Were methods (if any) used to recover esc	capees? If yes give detail	\equiv
O. If will not a ware dealers to		aincian airean ha Co-ruish
8. If gill nets were deployed was this action a Ministers? (Legal, CoGP – 4.4.38, 5.4.18)	greed with local wild fish interests and was pern	nission given by Scottish
	imise the risk of further escapes? (Not covered	in code but could
be considered under satisfactory measu		
10. Is the site inspected as satisfactory with r	egards to containment? If no, please detail reas	son(s) Y

Date of issue: 12/09/2017

Case No:	2018-0487	Date of visit: 03/10/2018							
Site No:	FS0051	Inspector: DJT							
Results Summary	Freq.	Date of Notification							
,		Database	Insp		Insp	Writing	Insp	2 nd Insp	
								- 1	
						-			
	1					-			
Report Summary									
Case Type	Date	Insp	2 nd Insp						
ECI,CNI,SLI	18/10/2018 28/11/2018	DJT	WJM						
Case Type ECI,CNI,SLI case completion report	28/11/2018	DJT	AJW						





FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

Business No FB0169 Date of Visit 03/10/2018

SITE NO FS0051 SITE NAME Bagh Chlann Neill (Grimsay)

INSPECTOR David Tomlinson Case No 20180487

Case completion report

Recommendations in relation to the above case were made for implementation by 18/12/18. 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: 28/11/2018

Fish Health Inspector





FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS No FB0169 **DATE OF VISIT** 03/10/2018

SITE No FS0051 SITE NAME Bagh Chlann Neill (Grimsay)

INSPECTOR David Tomlinson Case No 20180487

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.

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 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, 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.

The following points were raised with the site representative with regards to parasites (sea lice) during the inspection:

The following measure was not demonstrated to be in place during the visit:

 A site specific written lice management procedure with waypoints describing set actions to deal with recognised scenarios during the escalation of a sea lice infestation;

This must be addressed to demonstrate that satisfactory measures are in place for the control of sea lice. Records or documentation demonstrating that this point has been addressed should be sent to the Fish Health Inspectorate (contact details below) within 30 days of the date this report was issued.

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



FHI 059, Version 11		Issued by: FHI	Date of	issue: 12/09/2017
Case No: 2018-0488			Date of visit:	02/10/2018
Time spent on site:	30 minutes	Mair	n Inspector:	LW
Site No: SS0599 Business No: SB0405	Site Name: Business Name:	Baltasound Harbour Unst Shellfish		
Case Types: 1 ECI	2 3	4 5	6	
Water Temp (°C): 11.5	Thermometer No:	T148	FHI 045 comple	eted
Observations:	Region: SH	Water type:	CoGP MA:	
Dead/weak/abnormally behavir Clinical signs of disease observed? Gross pathology observed? Diagnostic samples taken?	~	N If yes, see addit	ional information/clinical sc ional information/clinical sc ional information/clinical sc	ore sheet.
UNI/REG only - if unable to car	ry out intended visit detail	I reason below:		

Site stocked with 2016 small grade from previous harvest and 2018 stock from McIlwaine Shellfish, Ireland (March and July).

No depuration required and waters are class A. Harvest weekly from one of the sites (~6 tonnes) which is sold through SSMG. Approx 10kg of mussels are sampled from each harvest on arrival at SSMG and checked for size and fouling. Allowed up to 9% losses due to fouling and 2% undersized before reduction in price paid to Unst Shellfish for consignment. Assessment of 10kg applied to whole consignment.

Mussels very clean with little fouling.

FHI 059, Version 11			Issu	ued by: FHI			Date of issu	ie: 12/09/2017
Case No:	2018-0488		Site No:	SS0599	9			
Date of Visit:		02/10/2018	В		Inspector(s):	ALW		1
Registration/Autho 1. Business/site deta 2. Changes made to	ails summary		site representa	ative?			Y Y	1
Site Details								
Total No facilities		7 lines	Facilities sto	ocked	7 lines	No facilitie	es inspected	7 lines
	MED 2016/2018							
3-3-1	70T							
	701 N/A							
Mean Fish Wt Next Fallow Date (Si		N/A		Next Input Da	ato (Site)	2021		
Next Fallow Date (C.	ite)	IN/A		Next Input Do	tle (Sile)	2021		
Recent (last 4 wks) of the second (last 4 wks) o	disease probl	ems?		N	N Any escapes	s (since last	visit)?	N
Movement Records	s							
1. Movement record		or inspection?						Y
2. Date of last inspec	ection:	·					23/11/2016	
3. Are records comp		•						Y
4. Are movement red								N/A
5. Are records comp		•		11-0				N/A
6. Are health certification		Juctions (out	VITA GB) avalla	able?				'
Transport Records								
1. Are any movemen					-			
If yes, is there a syst	tem in place i	Of Illamichan	ice or transpor	tallon records	<i>'</i>			
Mortality Records								
1. Mortality records a	available for i	nspection?						Y
2. How are mortalitie		•			Other (detail))		
If other detail:	Seabed							
3. Mortality records of	•	correctly ent						Y
4. Recent mortality (`		No observed	I mortality				N.
5. Evidence of recen		• •						N
If yes, facility nos/no	mortality per	facility/no sic	ock per racility	/reason:				
6. Any other peaks in	n mortality du	ring period c	hecked?					N
If yes, detail:	Tilloria,	ing point.	ICOROC.					
7. Have increased (u	unexplained)	mortalities be	en reported to	o vet or FHI?				N/A
If yes, detail action:								
8. Have 'mortality ev	ents' been re	ported to FH'	? If no, add M	IRT case and	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		

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

Records checked between: 23/11/16 - 2/10/18

FHI 059, Version 11 Issued by: FHI Date of issue: 12/09/2017 Case Number: 2018-0488 SS0599 Site No: Date of Visit ALW 02/10/2018 Inspector: Number of Susceptible species on site If no susceptible species present = LOW risk If susceptible species present, score for each pathogen No Yes Susceptible to Bonamia ostrea (OED) 0 25 0 Susceptible to Marteilia refringens (OED, MED) 0 3 3 Susceptible to OsHV (CGI) 0 3 0 1 2-5 >6 Sites within a tidal excursion Site contacts Number of sites holding susceptible species within a tidal excursion 0 2 10 0 0 1-2 >3 Live shellfish movements 0 5 10 10 Frequency of movements on from equivalent MS Movements on Frequency of movements on from equivalent zone or compartment including third country 0 10 20 0 Number of suppliers 0 5 10 5 Movements off Frequency of movements off within MSS Management 0 2 1 0 Frequency of movements off outwith MSS Management 0 0 3 6 Areas 0 Number of destinations 3 6 **Secure Unsecure** Management (effluent (no effluent practices None treatment) treatment) Water contacts with Depuration of stock from own sites within MSS depuration facilities management area 0 2 0 Depuration of stock from other businesses sites within MSS management area 0 2 6 n Depuration of stock from sites outwith MSS management 0 4 8 0 area **Number of sites** 1 2 or 3 > 4 Biosecurity

Sites operating from single shorebase

Disinfection of equipment between sites, use of footbaths etc

Sites sharing staff and equipment

Contacts with other sites

0

Yes

0

Total Risk No

MEDIUM

Case No:	2018-0488			Date of visit: 02/10/2018					
Site No:	SS0599	Inspector: ALW							
Results Summary	Freq.			Da	te of Notificat	tion			
		Database	Insp	Phone	Insp	Writing	Insp	2 nd Insp	
						1			
D 1 O									
Report Summary	_		nd						
Case Type ECI	Date	Insp	2 nd Insp SAE						
ECI	09/10/2018	ALW	SAE						
	1								





Unst Shellfish Maundeville Uyeasound, Unst Shetland ZE2 9DL

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS NO SB0405 **DATE OF VISIT** 02/10/2018

SITE No SS0599 SITE NAME Baltasound Harbour

INSPECTOR Andrea Warwick CASE No 20180488

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.

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

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

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

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	e: 12/09/2017
Case No: 2018-0489				Date of visit: 01/1	0/2018
Time spent on site:	1 hour	Ma	ain Inspector	: ALW	
Site No: SS0658	Site Name:	South of Houss Ho			
Business No: SB0424	Business Name:	George Duncan (S	hellfish) Ltd		
Case Types: 1 ECI	2 3	4 5		6	
Water Temp (°C): 11.5	Thermometer No:	T148]	FHI 045 completed	
Observations:	Region: SH	Water type:	S	CoGP MA:	
Dead/weak/abnormally behavior	ng fish present?	N If yes, see add	ditional inform	nation/clinical score s	sheet.
Clinical signs of disease observed	ved?	N If yes, see add	ditional inform	nation/clinical score s	sheet.
Gross pathology observed?		N If yes, see add	ditional inform	nation/clinical score s	sheet.
Diagnostic samples taken?		N			
UNI/REG only - if unable to car	ry out intended visit deta	ail reason below:			

Permission for twelve 200m longlines, but only five 100m lines on site currently.

Stock on site very large, mix of 2012/13/14. Spatfall over last few years has been very poor. Clean lines put in for spatfall earlier this year very heavily fouled with sea squirts and only the occasional mussel.

Stock is harvested by Shetland Mussels. Harvested 8 tonnes in spring and plan for another harvest before the end of the year, but probably won"t clear the site.

Samples collected weekly for toxin testing. Waters are class A.

Not sure on future plans for site as spatfall has been so poor.

Completed records to deregister former fish business FB0165.

FHI 059, Version 11			Issue	ed by: FHI			Date of issue	e: 12/09/2017
Case No:	2018-0489	Si	te No:	SS0658				
Date of Visit:		01/10/2018			Inspector(s):	ALW		
Registration/Author 1. Business/site deta 2. Changes made to	ils summary		representat	tive?			Y Y	
Site Details								
Age group No Fish	MED 2012-14 10 tonnes	5 lines Fa	acilities stoc	ked	5 lines	No facilitie	s inspected	5 lines
Mean i isii wt	N/A							
Next Fallow Date (Si	te)	None planned		Next Input Da	te (Site)	Natural spa	atfall	
Recent (last 4 wks) of the second sec	disease probl	ems?		N	Any escapes	(since last	visit)?	N
Movement Records	•							
 Movement records Date of last inspect Are records comp 	ction:	·					09/11/2016	Y
4. Are movement red		•	and waste?					N/A
5. Are records comp		•						N/A
6. Are health certification	ates for introd	luctions (outwith	GB) availal	ble?				N/A
Transport Records								
1. Are any movement of yes, is there a syst		• `	•	`	,			
Mortality Records								
Mortality records a	available for ir	nspection?						Υ
2. How are mortalitie		•			Other (detail)			
	Seabed							
3. Mortality records of	•	· ·						Y
4. Recent mortality (I	•		o observed	mortality				NI.
5. Evidence of recen If yes, facility nos/no		• •		roacon:				N
ir yes, racility 1105/110	mortality per	Tacility/110 Stock	per racility/i	leason.				
6. Any other peaks in	n mortality du	ring period chec	ked?					N
If yes, detail:				, FIIIA				
7. Have increased (ull lf yes, detail action:	inexplained) r	nortalities been	reported to	vet or FHI?				N/A
8. Have 'mortality eve	ents' been re	ported to FHI? If	no, add Mi	RT case and e	nter on morta	lity events s	heet.	N/A

Treatments and Medicines Records	
1. Recent treatments (last 4 wks)?	
If yes, detail:	
If other, detail:	
Medicines records available for inspection?	
3. Are records complete and correctly entered?	
4. Are fish in a withdrawal period?	
5. If yes, what treatment(s)?	
If other, detail:	
6. Are medicines stored appropriately?	
•	
Biosecurity Records	
Biosecurity records available for inspection?	Y
2. Has the manner and frequency of mortality removal, recording and safe 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	Y
health status, certification if required)?	
6. Have the hyphandry and his courity macaures implemented between each enidemiclogical unit to minimize	
6. Have the husbandry and biosecurity measures implemented between each epidemiological unit to minimise transmission of disease been covered (movement of staff, visitors, equipment, live or dead fish etc.)?	'
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?	$\overline{}$
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: 9/11/16 - 1/10/18	

FHI 059, Version 11 Issued by: FHI Date of issue: 12/09/2017 Case Number: 2018-0489 SS0658 Site No: Date of Visit ALW 01/10/2018 Inspector: Number of Susceptible species on site If no susceptible species present = LOW risk If susceptible species present, score for each pathogen No Yes Susceptible to Bonamia ostrea (OED) 0 25 0 Susceptible to Marteilia refringens (OED, MED) 0 3 0 Susceptible to OsHV (CGI) 0 3 3 1 2-5 >6 Sites within a tidal excursion Site contacts Number of sites holding susceptible species within a tidal excursion 0 2 10 2 0 1-2 >3 Live shellfish movements 0 5 10 O Frequency of movements on from equivalent MS Movements on Frequency of movements on from equivalent zone or compartment including third country 0 10 20 0 Number of suppliers 0 5 10 0 Movements off Frequency of movements off within MSS Management 0 2 1 0 Frequency of movements off outwith MSS Management 0 0 3 6 Areas 0 Number of destinations 3 6 **Secure Unsecure** Management (effluent (no effluent practices None treatment) treatment) Water contacts with Depuration of stock from own sites within MSS depuration facilities management area 0 2 0 Depuration of stock from other businesses sites within MSS management area 0 2 6 n Depuration of stock from sites outwith MSS management 0 4 8 0 area **Number of sites** ≥ 4 1 2 or 3 Biosecurity Sites operating from single shorebase 0 Contacts with other sites Sites sharing staff and equipment Yes No

Disinfection of equipment between sites, use of footbaths etc

0

Total Risk

LOW

Case No:	2018-0489			Date of visit:	01/10/2018]		
Site No:	SS0658]		Inspector:	ALW]		
Results Summary	Freq.				te of Notifica	tion		
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Report Summary			Т	1				
Case Type	Date	Insp	2 nd Insp					
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George Duncan (Shellfish) Ltd Meadow Houss, Burra Shetland ZE2 9LE

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS No SB0424 **DATE OF VISIT** 01/10/2018

SITE NO SS0658 SITE NAME South of House Holm

INSPECTOR Andrea Warwick Case No 20180489

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

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

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

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

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

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

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	l:	ssued by: FHI	Date of issue: 12/09/2017
Case No: 2018-0490			Date of visit: 02/10/2018
Time spent on site:	0 minutes	Main Inspe	ector: ALW
Site No: SS0611	Site Name:	Hawksness	
Business No: SB0405	Business Name:	Unst Shellfish	
Case Types: 1 REG	2 3	4 5	6
Water Temp (°C):	Thermometer No:		FHI 045 completed
Observations:	Region: SH	Water type: S	CoGP MA:
Dead/weak/abnormally behaving	fish present?	If yes, see additional in	nformation/clinical score sheet.
Clinical signs of disease observe	d?		nformation/clinical score sheet.
Gross pathology observed? Diagnostic samples taken?		If yes, see additional in	nformation/clinical score sheet.
Diagnostic samples taken!			
UNI/REG only - if unable to carry	out intended visit detail	reason below:	

Site fallow for over a year and no lines in the water (removed a couple of months ago). No plans to stock at the moment. Spatfall has been poor and site is too exposed for retubed stock.

Case No:	2018-0490]		Date of visit:	02/10/2018			
Site No:	SS0611	1		Inspector:	ALW	1		
Deculto Cummon	Ггос	<u> </u>				tion		
Results Summary	Freq.	Database	Insp	Phone	te of Notifica Insp	Writing	Insp	2 nd Insp
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Report Summary			Т	1				
Case Type	Date	Insp	2 nd Insp					
REG	09/10/2018	ALW	SAE					
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	4							
	+							





Unst Shellfish Maundeville Uyeasound, Unst Shetland ZE2 9DL

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

Business NoSB0405Date of Visit02/10/2018Site NoSS0611Site NameHawksnessInspectorAndrea WarwickCase No20180490

Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

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

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

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

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: 09/10/2018

Signed:

FHI 059, Version 11	Issu	ed by: FHI	Date of issue: 12/09/2017
Case No: 2018-0491			Date of visit: 08/10/2018
Time spent on site:	4 hrs	Main Inspecto	r: WJM
Site No: FS1104 Business No: FB0119	Site Name: Business Name:	Laddie Wood, Loch Garry Marine Harvest (Scotland) Ltd	
Case Types: 1 ECI	2 CNI 3 VMD	4 5	6
Water Temp (°C): 9.95	Thermometer No:	Site	FHI 045 completed
Observations:	Region: HI	Water type: F	CoGP MA:
Dead/weak/abnormally behavir	•		mation/clinical score sheet.
Clinical signs of disease observ	/ed?		mation/clinical score sheet.
Gross pathology observed? Diagnostic samples taken?		N If yes, see additional inform	mation/clinical score sheet.
Diagnostic samples taken:			
UNI/REG only - if unable to car	ry out intended visit detail rea	son below:	

Fish put on site 27th - 31st Aug. 2018 from Inchmore hatchery.

Dyneema nets used on site and 3 electric wires run around the perimeter of each top net to deter otters.

Sound scarers also available against otters but found not too effective after a while.

Fish have also been vaccinated in last 3 weeks with Winvil 3 Micro (0.5ml/fish dose).

Water peaty so visibility limited. No moribund or lethargic fish spotted. Fish taken for VMD sampling appeared in good health.

FHI 059, Version 11			Issu	ed by: FHI			Date of issu	e: 12/09/2017
Case No:	2018-0491		Site No:	FS1104	4			
Date of Visit:		08/10/2018	3		Inspector(s):	WJM		
Registration/Autho 1. Business/site deta 2. Changes made to	ails summary		site representa	ative?			Y N	
Site Details								
Total No facilities		22	Facilities sto	cked	19	No facilitie	es inspected	22
	SAL 2018 Q4							
Age group No Fish	1,835,877							
Mean Fish Wt	37.3g							
Next Fallow Date (Si		DEC 2018		Next Input Da	ate (Site)	JULY 2019	9	
,	,					00_		
Recent (last 4 wks) of	disease probl	ems?		N	N Any escapes	(since last	visit)?	Ν
If yes, detail:								
Movement Records								
1. Movement records		r inspection?					20/00/0046	Y
2. Date of last inspect3. Are records comp		actly entered	2				02/08/2016	Y
4. Are movement red		•						N/A
5. Are records comp								N/A
6. Are health certification		•		able?				N/A
Transport Records								
1. Are any movement If yes, is there a syst								N
Mortality Records								
Mortality records a	available for i	nspection?						Y
2. How are mortalitie		•			Ensiled - on s	site		
If other detail:								
3. Mortality records of		correctly ento						Y
4. Recent mortality (·		~30/week/sit	e (0.002%)				N
5. Evidence of recen If yes, facility nos/no		• •		/reason:				N
11 yes, radiity 1155	mortant) po	Taomity/110 311	ok por rasiii.	leason.				
6. Any other peaks in	n mortality du	iring period ch	necked?					N
If yes, detail:	· · · · · · · · · · · · · · · · · · ·	······································						NI/A
7. Have increased (ull fixed yes, detail action:	inexplained) i	mortalities be	en reported to	vet or FHI?				N/A
8. Have 'mortality ev	ents' been re	ported to FHI	? If no, add M	RT case and	enter on morta	ality events	sheet.	N/A

Treatments and Medicines Records							
1. Recent treatments (last 4 wks)?	Y						
If yes, detail: Formalin, T.M.S., Pyceze							
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)? Formalin, T.M.S.							
If other, detail:							
6. Are medicines stored appropriately?	Y						
Biosecurity Records							
Biosecurity records available for inspection? Has the manner and frequency of mortality removal, recording and safe disposal been considered?	Y						
Has the manner and period in which the APB will notify Scottish Ministers or veterinary professional of any increased (unexplained) mortality at the site been included?							
4. Has the action that will be taken in the event that the presence or suspicion of the presence of a listed disease is detected been included and <i>how</i> and <i>when</i> that will be notified to Scottish Ministers?	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? If no, detail:	Y						
Results of Surveillance							
1. Has any animal health surveillance been carried out by, or on behalf of, the business?2. If yes, are results available for inspection?	Y						
3. Any significant results?	Ν						
If yes, detail (if not detailed under recent disease problems).							
Records checked between: 02/08/2016 - 08/10/2018							

	ii 000, version i i							100	ded by.				
	Case no:	2018-04	191	Site No:		FS1104			Date of Samplin		08/	10/2018	
	Priority samples:	VI		ВА		PA		MG	-	g. HI			
	Time sampling starts/ends:		0:00		0:00		Inspecto	or:	WJM		VMD No	o. 	15
	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	1-25	26-50	51-75									
		1-25	20-50	31-73									
	Pool Group	CAL	CAL	CAL									
	Species	SAL		SAL									
	Average weight		0.0370										
	Sex	N/A	N/A	N/A									
	Water Type	FW	FW	FW									
Details		ē	ā	ē									
eta		2	ομ	ου									
X D		Inchmore	Inchmore	Inchmore									
Stock	Stock Origin												
S	Facility No	5	10	17									

	Addition	nal Sam	ple Infor	mation:							
0	l	Total To	ests ass	signed	0	l					

FHI 059, Version 11		Issued by: FHI			Date of	of issue	: 12/09/2017
Case Number:	2018-0491		Site No:	FS1104		Insp:	WJM
Date of Visit	08/10/2018		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	6
Exposure via water	Number of dest	Site contacts			6-10	10	
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				
susceptible to same diseases)	farms upstream	or in a coastal zone with category I or within 1 tidal excursion	1	2	4		1
		or in a coastal zone with category III or within 1 tidal excursion	1	3	6		
		or in a coastal zone with category V or within 1 tidal excursion	1	4	8		
Management practices			None	Secure	Unsecure		
Water contacts with processors	Any processing	plant discharging into adjacent waters	0	1	2		0
On farm processing within the rules of the directive	No on farm pro	cessing	0				0
the raise of the another	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				П
		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]			0
products	Common proce	sses with other farms	3	ĺ			
	Collection point	for waste from other farms	5				
Use of unpasteurised feeds	No feeding of u	npasteurised feed	0				0
	Feeding unpast	teurised feed	5				
Biosecurity		Number of sites	1	2 or 3	≥ 4		
Contacts with other sites	Sites operating	from single shorebase	0	1	2		0
	Sites sharing st	aff and equipment	0	1	2		0
Disinfection of equipment between sites, use of	Yes		0				0
footbaths etc	No		1				
CoGP/Regulator				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		10
					Rank		LOW

Case No:	2018-0491		Site No:	FS1104	
Sea Lice Inspection (in the american America			
·	•	in the previous 4 years?			
		quivalent) fallowed synchronously			
azamethiphos and emacan these be deployed	amectin benzoate) as v in a reasonable period	enced in-feed and bath sea lice mo well as access to suitable biological of time? Dement agreement or statement relo	al and/or med	chanical control measures, and	
Management Area (or		ement agreement or statement ren	evant to the s	sile and Coor Fami	
5. Are sea lice count re	ecords available for insp	pection? (Legal SSI, CoGP Annex	6)		
6. Do records adequat	ely reflect the required	standard specified in the SSI and	the CoGP? (I	Legal SSI, CoGP Annex 6)	
7. Are sea lice (<i>L. saln</i> records are inspected?		ow the suggested criteria for treati	ment in the C	oGP during the period that	
8. Have average adult records are inspected?	· ·	monis) numbers per fish been at a	level of 3 or	above during the period that	
If yes, have these been	n reported to the Fish H	lealth Inspectorate? If no, FHI see	comment.		
9. Is <i>C. elongatus</i> infe	station at a level which	is considered to cause significant	welfare probl	lems? (CoGP 4.3.81, 5.3.50)	
		stered or other actions taken wher longatus is considered to have we			
11. Has any other action	on been taken (where a	pplicable)?			
12. Have therapeutic to	eatments or the actions	s taken had a significant impact up	oon the lice le	evels recorded?	
13. Are treatments, wh	ere conducted, carried	out in cooperation between partic	ipating farms	?	
14. Is there a harvestir sea lice?	ng strategy for the site,	where fewer populations or part po	opulations are	e held without treatment for	
	ific written lice manage scalation of a sea lice in	ment procedure with waypoints denfestation?	escribing set	actions to deal with recognised	d
16. Does the stock on reasons.	site appear satisfactory	in relation to sea lice level and se	ea lice count o	data? If no please detail	
Containment Inspect	ion				
 Has the site experie 	nced equipment damag	ge due to predators in the current of	or previous p	roduction cycles?	N
2. Are measures in pla	ce to mitigate against t	he predation experienced on site?	(Detail below	v)	Υ
Electric Fence, Tens	ioned Nets, Top Nets	6			
If other, detail below					
·	able but not currently u	sed			
3. Have escape incide	nts or events been exp	erienced on or in the vicinity of the	e site since th	ne last FHI inspection?	N
If Yes proceed with qu	estions 4 – 9. If No skip	to question 10			
	oorted to Scottish Minis	•			
	and to local DOED fo	who with (who are the expension)? (CoCD	4 4 27 5	4 47\	
		rthwith (where they exist)? (CoGP			
b. Have these been re	ported to the SSPO and	d local fisheries trusts forthwith (wh	nere they exis	st)? (COGP – 4.4.37, 5.4.17)	
7. Were methods (if ar	y) used to recover esca	apees? If yes give detail			
		greed with local wild fish interests a	and was pern	nission given by Scottish	
Ministers? (Legal, CoG	·				
	•	mise the risk of further escapes? (Not covered	in code but could	
be considered unde	r satisfactory measur	res of the Act)			
10. Is the site inspecte	d as satisfactory with re	egards to containment? If no, pleas	se detail reas	son(s)	Υ

Issued by: FHI

Date of issue: 12/09/2017

FHI 059, Version 11

Case No:	2018-0491]		Date of visit	: 08/10/2018	B		
Site No:	FS1104]		Inspector	: WJM]		
Results Summary	Freq.			Da	ate of Notifica	ation		
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Report Summary			nd	4				
Case Type ECI/CNI/VMD	Date	Insp	2 nd Insp	4				
ECI/CNI/VMD	16/10/2018	WJM	DJT	4				
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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 SITE NO FS1104

INSPECTOR Warren Murray

DATE OF VISIT 08/10/2018

SITE NAME Laddie Wood, Loch Garry

CASE No 20180491

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.

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 with respect to section 5 regarding containment and escapes.

On this occasion the site was found to be satisfactory.

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

Signed: Fish Health Inspector

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

Date: 16/10/2018

FHI 059, Version 11	ls	sued by: FHI	Date of issue: 12/09/2017
Case No: 2018-0492			Date of visit: 10/10/2018
Time spent on site:	1.5 Hrs	Main Inspe	ector: WJM
Site No: FS0249	Site Name:	Ardnish	t d
Business No: FB0119	Business Name:	Marine Harvest (Scotland) I	Lta
Case Types: 1 ECI	2 CNI 3 SLI	4 5	6
Water Temp (°C): 12.2	Thermometer No:	Site	FHI 045 completed
Observations:	Region: HI	Water type: S	CoGP MA: M-31
Dead/weak/abnormally behaving	•		formation/clinical score sheet.
Clinical signs of disease observ	red?		formation/clinical score sheet.
Gross pathology observed? Diagnostic samples taken?		N If yes, see additional in	formation/clinical score sheet.
UNI/REG only - if unable to care	ry out intended visit detail re	eason below:	

Wrasse on site are wild caught from and Plymouth.

Heavy rain over the previous 2 days has reduced visibility of the stock. No moribund or lethargic fish visible. Fish coming up to feed appeared healthy and fish seen from underwater camera system looked in good condition.

FHI 059, Version 11			Issu	ed by: FHI			Date of issue	e: 12/09/2017
Case No:	2018-0492		Site No:	FS0249				
Date of Visit:		10/10/2018	3		Inspector(s):	WJM		
Registration/Autho 1. Business/site deta 2. Changes made to	ails summary		ite representa	ative?			Y Y	
Site Details								
Total No facilities		92	Facilities sto	cked	89	No facilitie	es inspected	92
Species	SAL	WRS						
Age group	2018 Q2	Mix						
No Fish	83,869	4,508						
Mean Fish Wt	1.58Kg	unknown						
Next Fallow Date (Si	ite)	June 2019		Next Input Da	ate (Site)	July 2019		
					1			
Recent (last 4 wks)	disease probl	ems?		N	Any escapes	s (since last	visit)?	N
If yes, detail:								
Movement Records	3							
1. Movement records		r inspection?						Y
2. Date of last inspec		11.54.					12/06/2018	
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	ates for introd	ductions (outw	vith GB) availa	able?				N/A
Transport Records								
1. Are any movement If yes, is there a syst					-			N
Mortality Records								
Wortanty Necords								
1. Mortality records a	available for i	nspection?						Y
2. How are mortalitie		•			Ensiled - on	site		
If other detail:								
3. Mortality records of	•	correctly enter	ered?					Y
4. Recent mortality (last 4 wks):		104 (0.12%)	morts for whol	le site over we	eeks 37 - 40)	
5. Evidence of recen	it increased/a	typical mortal	ities?					N
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	iecked?					N
If yes, detail:	:::avalainad)	re-ortalition bo	an reported to	··ot or EUIO				N/A
7. Have increased (ulf yes, detail action:	inexplained)	mortalities be	en reported to) Vet or Fri?				IN/A
8. Have 'mortality ev	ents' been re	ported to FHI	2 If no ladd M	IRT case and e	enter on morta	ality events s	sheet	N/A
o. Havo mortality ov	onto boom to	portou to 1 1 II	. II IIO, add IVI	ir tri odoo dirid c	Jintor off fillorte	anty over no c	311001.	,,

Treatments and Medicines Records	
1. Recent treatments (last 4 wks)?	Y
If yes, detail: Salmosan 11-14/09/2018. Only used in 5 of the pens.	
f 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)? Salmosan	
f other, detail:	
6. Are medicines stored appropriately?	Y
Biosecurity Records	
1. Biosecurity records available for inspection?	Y
2. Has the manner and frequency of mortality removal, recording and safe disposal been considered?	Y
3. Has the manner and period in which the APB will notify Scottish Ministers or veterinary professional of any	
increased (unexplained) mortality at the site been included?	Y
4. Has the action that will be taken in the event that the presence or suspicion of the presence of a listed disease	Y
s 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	Y
nealth 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.)?	N. Control of the Con
7. Is documentation available regarding the measures in place to maintain the physical containment of	Y
aquaculture animals held on site?	
3. Have the biosecurity procedures been adequately implemented on site? If no, detail:	ī
i ilo, 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
f yes, detail (if not detailed under recent disease problems).	
Records checked between: 12/06/2018 - 10/10/2018	

FHI 059, Version 11		Issued by: FHI			Date	of issue	: 12/09/2017
Case Number:	2018-0492		Site No:	FS0249		Insp:	WJM
Date of Visit	10/10/2018		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	Frequency of movements on from equivalent zone or compartment including third country			9	10	26	0
	Number of sup		0		18 10		0
Marranata							
Movements off	Frequency of m		0				3
Exposure via water	Transor or door	Site contacts					
Water contacts with other	Farm is protect	ed (secure water supply through	<u> </u>	1			
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		1
,		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		
	iainis upstream	TOT WILLIIT T LIGAT EXCUISION	<u>'</u>	1 4	0		
Management practices			None	Secure	Unsecure		
Water contacts with processors	Any processing	g plant discharging into adjacent waters	0	1	2		0
On farm processing within	No on farm pro	cessing	0				
the rules of the directive	Processing own	n fish (re-cycling risk)	1				1
	Processing fish	from MS of equivalent status	2				
	Processing fish from zone or compartment of						
	equivalent status Processing fish from Category III farm						
		<u> </u>	8				
	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	esses with other farms	3				
	Collection point	for waste from other farms	5				
Use of unpasteurised feeds	No feeding of u	inpasteurised feed	0	1			0
	Feeding unpas	teurised feed	5				
Biosecurity	•	Number of sites	1	2 or 3	≥ 4		
Contacts with other sites	Sites operating	from single shorebase	0	1	2		0
	Sites sharing s	taff and equipment	0	1	2		0
Disinfection of equipment	Yes		0	1			0
between sites, use of footbaths etc	No		1				
			'	ļ			
CoGP/Regulator Practices in accordance	Yes			1			
with regulator or industry	No		0				0
code of practice	INO		3				
Platform access to cages	Yes		0				0
	No		2				
					Total		11
					Rank		LOW

FHI 059, Version 11	Issued by: FHI	Date of issue: 12/09/2
Case No: 2018-0492	Site No:	FS0249
Sea Lice Inspection (Seawater Sites Only 1. Has the site experienced sea lice probler	••	N
·	equivalent) fallowed synchronously on a single y	
3. Does the site have access to a range of lazamethiphos and emamectin benzoate) a can these be deployed in a reasonable perion 4. Is there a signed documented farm management.	licenced in-feed and bath sea lice medications (in swell as access to suitable biological and/or medications)	cluding deltamethrin, chanical control measures, and
Management Area (or equivalent)?		
5. Are sea lice count records available for in		Y
Do records adequately reflect the require	ed standard specified in the SSI and the CoGP? (L	Legal SSI, CoGP Annex 6)
7. Are sea lice (<i>L. salmonis</i>) record levels be records are inspected? (CoGP Annex 6)	pelow the suggested criteria for treatment in the C	oGP during the period that Y
records are inspected?	almonis) numbers per fish been at a level of 3 or	
	Health Inspectorate? If no, FHI see comment.	N/A
9. Is <i>C. elongatus</i> infestation at a level which	ch is considered to cause significant welfare probl	ems? (CoGP 4.3.81, 5.3.50)
•	inistered or other actions taken when <i>L. salmonis</i> . elongatus is considered to have welfare implicate	
11. Has any other action been taken (where	e applicable)?	N/A
12. Have therapeutic treatments or the action	ons taken had a significant impact upon the lice le	evels recorded?
	ed out in cooperation between participating farms e, where fewer populations or part populations are	
	gement procedure with waypoints describing set a	actions to deal with recognised Y
16. Does the stock on site appear satisfactoreasons.	ory in relation to sea lice level and sea lice count of	data? If no please detail
	nage due to predators in the current or previous post the predation experienced on site? (Detail below	
A.D.D., M.M.L., Tensioned Nets, Top N		1
If other, detail below:		
 Have escape incidents or events been e Yes proceed with questions 4 – 9. If No s Have these been reported to Scottish Min 		e last FHI inspection?
	forthwith (where they exist)? (CoGP – 4.4.37, 5.4 and local fisheries trusts forthwith (where they exist)	
7. Were methods (if any) used to recover e	scapees? If yes give detail	=
8. If gill nets were deployed was this action Ministers? (Legal, CoGP – 4.4.38, 5.4.18)	agreed with local wild fish interests and was perm	nission given by Scottish
· ·	inimise the risk of further escapes? (Not covered	in code but could
be considered under satisfactory meas		
•	regards to containment? If no, please detail reas	on(s)

Date of issue: 12/09/2017

FHI 059, Version 11	Issued by: FHI	Date of issue: 12/09/2017
Case No: 2018-0492	Site No: FS0249	
Date of Visit: 10/10/2018	8 Inspector: WJM	
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 spec 11. Does the FMAg/S identify the maxi individual farm? 12. Does the FMAg/S identify the arran fish farm in the area or the individual fa		r farm? Y r farm? Y the area or the Y ad 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 cl	reatments for sea Y Ileaner 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 acceptabl	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 cked?	and the earliest Y
22. Does the FMAg/S identify whether of 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 ?	on any site Y
Point of Compliance for Farm Manag	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,
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?	

Case No:	2018-0492			Date of visit:	10/10/2018	B					
Site No:	FS0249]		Inspector	: WJM]					
Results Summary	Freq.	П		Da	ate of Notifica	ition					
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								2 nd Insp			
				-							
Report Summary											
Case Type ECI/CNI/SLI	Date	Insp	2 nd Insp DJT								
ECI/CNI/SLI	16/10/2018	WJM	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 Visit10/10/2018Site NoFS0249Site NameArdnishInspectorWarren MurrayCase No20180492

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.

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, 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.



FHI 059, Version 11	Is	sued by: FHI	Date of issue: 12/09/2017							
Case No: 2018-0493			Date of visit: 09/10/2018							
Time spent on site:	3 Hrs	Main Ins	pector: WJM							
Site No: FS0146 Business No: FB0169	Site Name: Business Name:	Kinlochmoidart Hatchery The Scottish Salmon Con	npany							
Case Types: 1 ECI	2 CNI 3 VMD	4 5	6							
Water Temp (°C): 11.5	Thermometer No:	Site	FHI 045 completed							
Observations:	Region: HI	Water type: F	CoGP MA:							
Dead/weak/abnormally behaving Clinical signs of disease observ Gross pathology observed? Diagnostic samples taken?	<u> </u>	N If yes, see additional	information/clinical score sheet. information/clinical score sheet. information/clinical score sheet.							
UNI/REG only - if unable to carry out intended visit detail reason below:										

Additional Case Information:

Slight increased mortalities during week 39 put down to post vaccination. Levels still remained below reporting criteria and dropped back to normal levels following week.

Formalin flushed through a number of tanks (5,6,11,12) for costia

FHI contact details not updated on escape plan for Kinlochmoidart. Issue raised with site manager and will be corrected.

Water comes in via river passed through screens, but site also has 3 boreholes providing top up water for recirculation tanks.

A few morts noted in a few tanks. Maximum 2/tank. No signs of disease, no diagnostics taken. Fish sampled for VMD appeared healthy.

Increased Mortalities

wk 23 - S0 2.7% (35,000), S1 1.27% (7,000)

wk 24 - S0 2.54% (32,000), S1 0.59%, (3,000)

wk 25 - S0 1.47%, (18,000), S1 0.3%, (1,600)

wk 26 - S0 1.69%, (20,000), S1 0.18%, (900)

wk 27 - S0 1.48%, (17,500), S1 0.26%, (1,400)

ERM put down as main cause, fish treated with antibiotics and mortalities started to decrease wk 24. Tank flow through 10 (S0 stock) worst affected, accounting for nearly 50% (19,000) of the morts wk 23 but dropped to 6,000 on wk 24. S0 stock worst affected during. Fish also stressed during this period due to increased water temperatures because of the weather.

FHI 059, Version 11			Issu	ed by: FHI			Date of issu	e: 12/09/2017			
Case No:	2018-0493		Site No:	FS0146							
Date of Visit:		09/10/2018]		Inspector(s):	WJM]			
Registration/Autho 1. Business/site deta 2. Changes made to	ails summary		ite representa	ntive?			Y Y]			
Site Details											
Total No facilities		32	Facilities sto	cked	15	No facilities	ies inspected 32				
	SAL	SAL									
3-3-1	2018 S0	2019 S1									
No Fish	475,351	448,119									
Wicaii i ioii vvt	60g	23g									
Next Fallow Date (Si	ite)	never fallow		Next Input Da	te (Site)	NOV. 2018	3				
Recent (last 4 wks)	disease prob	lems?		N	Any escapes	(since last v	/isit)?	N			
If yes, detail:											
Movement Records											
1. Movement records available for inspection? 2. Date of last inspection: 3. Are records complete and correctly entered? 4. Are movement records available for dead fish and waste? 5. Are records complete and correctly entered? 6. Are health certificates for introductions (outwith GB) available? Transport Records 1. Are any movements carried out by (or on behalf) of the business (not using a STB)?											
If yes, is there a syst Mortality Records		• `	•	•	,						
mortality Necords											
1. Mortality records a	available for i	nspection?						Y			
2. How are mortalitie	s disposed o	of?			Ensiled - on s	site					
If other detail:											
3. Mortality records of	•	correctly enter						Y			
4. Recent mortality (5336 (0.56%),	4957 (0.53%),	6404 (0.68	%), 5334 (0.				
5. Evidence of recen		• •		,				N			
If yes, facility nos/no	mortality per	facility/no sto	ck per facility/	reason:							
6. Any other peaks in	a mortality du	uring pariod ch	nackad?					I ∨			
	Wk 7 - 8%.	Due to pump	failure and air	lock in pipewor		6 & 27 due 1	to ERM and s	stress from			
				ional information	on)			V			
7. Have increased (unexplained) mortalities been reported to vet or FHI?											
	If yes, detail action: Antibiotics administerd. 8. Have 'mortality events' been reported to FHI? If no, add MRT case and enter on mortality events sheet.										

Treatments and Medicines Records
1. Recent treatments (last 4 wks)?
If yes, detail: Formalin
If other, detail:
2. Medicines records available for inspection?
3. Are records complete and correctly entered?
4. Are fish in a withdrawal period?
5. If yes, what treatment(s)? Formalin used only in tanks 5, 6, 11 & 12
If other, detail:
6. Are medicines stored appropriately?
Biosecurity Records
Biosecurity records available for inspection? Y
2. Has the manner and frequency of mortality removal, recording and safe disposal been considered?
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?
moroacca (anoxipamosa) mortanty at the cite occir moracca.
4. Has the action that will be taken in the event that the presence or suspicion of the presence of a listed disease
is detected been included and <i>how</i> and <i>when</i> that will be notified to Scottish Ministers?
5. Has the health status of aquaculture animals being stocked on the farm site been covered (equal or higher
health status, certification if required)?
6. Have the husbandry and biosecurity measures implemented between each epidemiological unit to minimise
transmission of disease been covered (movement of staff, visitors, equipment, live or dead fish etc.)?
7. Is documentation available regarding the measures in place to maintain the physical containment of
aquaculture animals held on site?
8. Have the biosecurity procedures been adequately implemented on site?
If no, detail:
Results of Surveillance
1. Has any animal health surveillance been carried out by, or on behalf of, the business?
2. If yes, are results available for inspection?
3. Any significant results?
If yes, detail (if not detailed under recent disease problems).
ii yee, detaii (ii not detailed under recent disease problems).
Records checked between: 10/10/2017 - 09/10/2018

٠.	ili 009, version i i							100	ueu by.				
	Case no:	2018-04	193	Site No:		FS0146			Date of Samplin		09/	10/2018	
	Priority samples:	VI		ВА		PA		MG		ig. HI			
	Time sampling starts/ends:		5:00		5:00		Inspecto	or:	WJM		VMD No	о.	6
	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	1-6	7-12	13-18									
	Pool Group												
	Species	SAL	SAL	SAL									
	Average weight	0.0600	0.0600	0.0600									
	Sex	N/A	N/A	N/A									
	Water Type	FW	FW	FW									
)otaile		Stofnfiskur	Stofnfiskur	Stofnfiskur									
De		fnfii	fnfis	fnfis									
Stock	Stock Origin	Sto	Sto	Sto									
Ţ,	Facility No	R1-1		R2-2									

	Addition	nal Sam	ple Infor	mation:							
0		Total Te	ests ass	igned	0						
	-			•		-					

FHI 059, Version 11		Issued by: FHI			Date	Date of issue		
Case Number:	2018-0493		Site No:	FS0146		Insp:		
Date of Visit	09/10/2018		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	0	40	200		
эрсою	Number of supp	ocluding third country	0			26 14	5	
Movements off	Frequency of m		0			10	6	
Exposure via water	Number 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					
susceptible to same		or in a coastal zone with category I						
diseases)		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			
		or in a coastal zone with category V						
		or within 1 tidal excursion	1	4	8			
Management practices			None	Secure	Unsecure		1	
Water contacts with	Any processing	plant discharging into adjacent waters						
processors	7.		0	1	2		0	
On farm processing within	No on farm pro	cessing		1				
the rules of the directive	Processing owr	n fish (re-cycling risk)	0	-			0	
	Processing fish	from MS of equivalent status	1				_	
		from zone or compartment of		-			_	
	equivalent statu		4					
	Processing fish	from Category III farm	8					
	Processing fish	from Category V farm	10					
Disposal of fish and fish by-	Site's own wast	e only processed.	0	1			0	
products	Common proce	sses with other farms	3					
	Collection point	for waste from other farms	5	1				
Use of unpasteurised feeds	No feeding of u	npasteurised feed	0	1			0	
	Feeding unpast	<u>'</u>	5					
Biosecurity		Number of sites] 2 or 3	≥4			
Contacts with other sites	Sites operating	from single shorebase	0	1	2		0	
	Sites sharing st	aff and equipment	0		2		0	
Disinfection of equipment	Yes		0					
between sites, use of	No		0	•				
footbaths etc			1	J				
CoGP/Regulator Practices in accordance	Yes		Ι	1				
with regulator or industry			0				0	
code of practice	No		3					
Platform access to cages	Yes			1				
Tidilomi docess to cayes	No		0					
	110			J				
					Total		20	
					Rank		MEDIUM	

Case No:	2018-0493		Site	No:	FS0146]
Sea Lice Inspection (3	Seawater Sites Only) nced sea lice problems in	the previous 4 years?				
2. Is the CoGP Farm M	lanagement Area (or equi	valent) fallowed syncl	hronously on a si	ingle ye	ear class basis?	
azamethiphos and ema	access to a range of licence amectin benzoate) as well in a reasonable period of cumented farm manageme	l as access to suitable time?	e biological and/o	or mech	hanical control meas	
•	ecords available for inspec	tion? (Legal SSL CoG	SP Annex 6)			
	ely reflect the required sta		·	GP? (L	egal SSI, CoGP Ann	ex 6)
7. Are sea lice (<i>L. salm</i> records are inspected?	nonis) record levels below (CoGP Annex 6)	the suggested criteria	a for treatment in	the Co	oGP during the perio	d that
8. Have average adult records are inspected?	female sea lice (<i>L. salmoi</i>	nis) numbers per fish	been at a level of	f 3 or a	above during the per	iod that
If yes, have these beer	reported to the Fish Hea	th Inspectorate? If no	, FHI see comme	ent.		
9. Is C. elongatus infes	station at a level which is o	considered to cause s	ignificant welfare	proble	ems? (CoGP 4.3.81,	5.3.50)
	reatments been administer reatment or where <i>C. elon</i>					
11. Has any other action	on been taken (where app	icable)?				
12. Have therapeutic tr	eatments or the actions ta	ken had a significant	impact upon the	lice lev	vels recorded?	
	ere conducted, carried ou g strategy for the site, who	·	• • •			ent for
	ific written lice manageme scalation of a sea lice infe		ypoints describing	g set a	ctions to deal with re	ecognised
16. Does the stock on reasons.	site appear satisfactory in	relation to sea lice lev	vel and sea lice c	ount d	ata? If no please de	tail
Containment Inspecti	ion					
•	nced equipment damage	due to predators in the	e current or previo	ous pro	oduction cycles?	N
2. Are measures in pla	ce to mitigate against the	predation experienced	d on site? (Detail	below)	Y
Site inside, Tank lids	/covers					
If other, detail below:						
If Yes proceed with que	ents or events been experiestions 4 – 9. If No skip to ported to Scottish Minister	question 10	inity of the site si	nce the	e last FHI inspection	? N
5. Have these been rep	ported to local DSFB forth	with (where they exist)? (CoGP – 4.4.3	37, 5.4	.17)	
	ported to the SSPO and lo				•	5.4.17)
7. Were methods (if an	y) used to recover escape	es? If yes give detail				
8. If all nets were deal	oyed was this action agree	ed with local wild fish i	interests and was	s perm	ission given by Scott	tish
Ministers? (Legal, CoG		The second series in the secon		Pomi	g.v.c.v. by 6000	
9. What action was tak	en to prevent and minimis	e the risk of further es	scapes? (Not cov	ered ir	n code but could	
be considered unde	r satisfactory measures	of the Act)				
10. Is the site inspected	d as satisfactory with rega	rds to containment? It	f no, please detai	il reaso	on(s)	Υ

Issued by: FHI

Date of issue: 12/09/2017

FHI 059, Version 11

Site No: FS0146

Case No: 2018-0493

Nature of non-compliance:

Action taken (FHI):

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

Results Summary Freq. Date of Notification Database Insp Phone Insp Writing Insp 2 nd Insp	Case No:	2018-0493]		Date of visit:	09/10/2018			
Results Summary Freq. Date of Notification Database Insp Phone Insp Writing Insp 2 nd Insp Insp Phone Ins	Site No:	FS0146]		Inspector:	WJM]		
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The Scottish Salmon Company 1 Smithy Lane Lochgilphead Argyll PA31 8TA

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

DATE OF VISIT 09/10/2018

BUSINESS NO FB0169 SITE NO FS0146

SITE NO FS0146 SITE NAME Kinlochmoidart Hatchery Varren Murray CASE NO 20180493

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.

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.

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 recommendations were issued in relation to:

Escapes – FHI contact details on site specific plan for escapes require updating

Please ensure that these points have been addressed.

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



FHI 059, Version 11	Iss	sued by: FHI	Dat	e of issue: 12/09/2017		
Case No: 2018-0494			Date of visi	t: 10/10/2018		
Time spent on site:	30 min.	Mair	n Inspector:	WJM		
Site No: FS1216 Business No: FB0537	Site Name: Business Name:	Strontian Hatchery Sunart Community C	ompany			
Case Types: 1 ECI	2 CNI 3	4 5	6			
Water Temp (°C): 11.8	Thermometer No:	T148	FHI 045 co	mpleted		
Observations:	Region: HI	Water type: F	CoGP N	IA:		
Dead/weak/abnormally behavir Clinical signs of disease observ Gross pathology observed? Diagnostic samples taken?	~ .	N If yes, see additional information/clinical score sheet. N If yes, see additional information/clinical score sheet. N If yes, see additional information/clinical score sheet. N				
UNI/REG only - if unable to car	ry out intended visit detail re	eason below:				

Additional Case Information:

Unit were tanks are kept was dark. No fish noticed to be hanging close to surface of the water. Fish appeared healthy. FHI contact details not up to date on BMP but all other aspects of BMP satisfactory. Issue discussed with site manager and will be corrected.

Parr are caught from Strontian and Carnoch river. Salmon eggs derived from broodstock indigenous to to Hurich river brought onto site from Drimsallie Mill hatchery.

Inlet water is from an insecure source at Allt a' Mhuillin. Effluent water passes through 2 sediment traps before discharging into open water at Bun Allt.

All tanks are top screened and a screen is present at the water discharge.

FHI 059, Version 11			Issu	ed by: FHI			Date of issu	ie: 12/09/2017
Case No:	2018-0494		Site No:	FS1216	5			
Date of Visit:		10/10/2018	3		Inspector(s):	WJM]
Registration/Authorn 1. Business/site deta 2. Changes made to	ails summary		ite representa	itive?			Y Y	}
Site Details								
Total No facilities Species Age group	SAL MIX	3	Facilities sto	cked	1	No facilitie	es inspected	3
No Fish	79							
Mean Fish Wt	UNKNOWN							
Next Fallow Date (S	ite)	NOV 2018		Next Input Da	ate (Site)	DEC 2020	0 or 2021	
Recent (last 4 wks)	disease probl	ems?		N	Any escapes	s (since last	: visit)?	N
Movement Records	S							
1. Movement record	s available for	r inspection?						Y
2. Date of last inspe							18/02/2014	V
3. Are records comp								Y N/A
4. Are movement re								N/A N/A
5. Are records comp6. Are health certific				able?				N/A
Transport Records								
1. Are any movement If yes, is there a system		• '		,				Y
Mortality Records								
1. Mortality records	available for in	nspection?						Y
2. How are mortalities of their detail:	es disposed of	f?			Incinerated -	on site		
3. Mortality records	complete and	correctly ent	ered?					Y
4. Recent mortality (e input in July.				
5. Evidence of recer		· ·						N
If yes, facility nos/no	mortality per	facility/no sto	ck per facility/	reason:				
6. Any other peaks i	n mortality du	ring period ch	necked?					N
If yes, detail:								
7. Have increased (unexplained) r	mortalities be	en reported to	vet or FHI?				N/A
If yes, detail action:		interten FIII	O. If it is a solid N	DT and	· · · · · · · · · · · · · · · · · · ·	Pt. create	.14	NI/A
8. Have 'mortality ev	ents been re	ported to Fini	? It no, add ivi	RT case and e	enter on morta	ality 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)?		N

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?		Υ
4. Are fish in a withdrawal period?		N
5. If yes, what treatment(s)?		
If other, detail:		
6. Are medicines stored appropriately?	N	I/A
Biosecurity Records		
Biosecurity records available for inspection?		Υ
2. Has the manner and frequency of mortality removal, recording a	·	Y
3. Has the manner and period in which the APB will notify Scottish	Ministers or veterinary professional of any	N.
increased (unexplained) mortality at the site been included?		N
4. Has the action that will be taken in the event that the presence of		N
is detected been included and how and when that will be notified to		
5. Has the health status of aquaculture animals being stocked on thealth status, certification if required)?	ne farm site been covered (equal or higher	Y
6. Have the husbandry and biosecurity measures implemented bet		Y
transmission of disease been covered (movement of staff, visitors,		
7. Is documentation available regarding the measures in place to n	naintain the physical containment of	Y
aquaculture animals held on site?		V
8. Have the biosecurity procedures been adequately implemented If no, detail:	on site?	Y
ii iio, detaii.		
Results of Surveillance		
1. Has any animal health surveillance been carried out by, or on be	half of, the business?	Ν
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: 18/02/2014 - 10/10/2018

FHI 059, Version 11		Issued by: FHI			Date	of issue	: 12/09/2017
Case Number:	2018-0494		Site No:	FS1216		Insp:	WJM
Date of Visit	10/10/2018		No of m	ovements/s	supp./dest.		Score
Live fish movements			0	1-5	6-10	>10	
Movements on (from out	Frequency of n	novements on from equivalent MS	0	5	10	14	0
with GB) of susceptible species		novements on from equivalent zone or	0	9	18	26	0
	Number of sup	ncluding third country	0				0
h							
Movements off	Frequency of m		0				3
Exposure via water	i tambér er dec	Site contacts					
Water contacts with other	Farm is protect	ed (secure water supply through					
farms (holding species	disinfection or I	•	0				0
susceptible to same diseases)		or in a coastal zone with category In or within 1 tidal excursion	1	2	4		
		or in a coastal zone with category III					
	-	n or within 1 tidal excursion	1	3	6		
		or in a coastal zone with category V or within 1 tidal excursion	1	4	8		
	namio apotrean	Tot Within T tidal executation	'		<u> </u>		
Management practices			None	Secure	Unsecure		
Water contacts with processors	Any processing	g 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 ow	n fish (re-cycling risk)	1				
	Processing fish from MS of equivalent status						
	Processing fish from zone or compartment of						
	equivalent status Processing fish from Category III farm			1			
		from Category V farm	10				
Disposal of fish and fish by			<u> </u>] 1			
Disposal of fish and fish by- products		0	•			0	
		esses with other farms	3				
	Collection poin	t for waste from other farms	5	J			
Use of unpasteurised feeds		npasteurised feed	0				0
	Feeding unpas	teurised feed	5				
Biosecurity	lou u	Number of sites	1	2 or 3	≥ 4		
Contacts with other sites		from single shorebase	0		2		0
	Sites sharing s	taff and equipment	0	1	2		0
Disinfection of equipment	Yes		0				0
between sites, use of footbaths etc	No		1	Ì			
CoGP/Regulator				ı			
Practices in accordance	Yes		0				0
with regulator or industry code of practice	No		3				
				ı			
Platform access to cages	Yes		0				0
	No		2				
					Total		6
					Rank		LOW

Case No:	2018-0494	Site No: FS1216	
Sea Lice Inspection (3	Seawater Sites Only) nced sea lice problems ir	the previous 4 years?	
2. Is the CoGP Farm M	lanagement Area (or equ	ivalent) fallowed synchronously on a single year class basis?	
azamethiphos and ema	amectin benzoate) as we in a reasonable period o cumented farm managen	ced in-feed and bath sea lice medications (including deltamethrin, ell as access to suitable biological and/or mechanical control measur f time? The time is the same of the	es, and
•		ction? (Legal SSI, CoGP Annex 6)	
	·	andard specified in the SSI and the CoGP? (Legal SSI, CoGP Annex	(6)
7. Are sea lice (<i>L. salm</i> records are inspected?		v the suggested criteria for treatment in the CoGP during the period to	that
8. Have average adult records are inspected?		nis) numbers per fish been at a level of 3 or above during the period	d that
If yes, have these beer	reported to the Fish Hea	alth Inspectorate? If no, FHI see comment.	
9. Is C. elongatus infes	station at a level which is	considered to cause significant welfare problems? (CoGP 4.3.81, 5.	3.50)
		ered or other actions taken when <i>L. salmonis levels</i> have exceeded ingatus is considered to have welfare implications? (CoGP 4.3.82, 5.	
11. Has any other action	on been taken (where app	olicable)?	
12. Have therapeutic tr	eatments or the actions t	aken had a significant impact upon the lice levels recorded?	
		ut in cooperation between participating farms? nere fewer populations or part populations are held without treatment	t for
	ific written lice managem scalation of a sea lice infe	ent procedure with waypoints describing set actions to deal with reconstant	ognised
16. Does the stock on reasons.	site appear satisfactory in	relation to sea lice level and sea lice count data? If no please detai	1
Containment Inspecti	ion		
•		due to predators in the current or previous production cycles?	N
2. Are measures in pla	ce to mitigate against the	predation experienced on site? (Detail below)	Y
Site inside, Tank lids	/covers		
If other, detail below:			
·			
If Yes proceed with que	nts or events been experestions 4 – 9. If No skip to borted to Scottish Ministe	·	N
5. Have these been rer	oorted to local DSFB forth	nwith (where they exist)? (CoGP – 4.4.37, 5.4.17)	
		ocal fisheries trusts forthwith (where they exist)? (CoGP – 4.4.37, 5.4	4.17)
7. Were methods (if an	y) used to recover escap	ees? If yes give detail	
8 If all nets were deal	oved was this action agre	eed with local wild fish interests and was permission given by Scottisl	h
Ministers? (Legal, CoG		Same and the first meredie and that politication given by deduce	
9. What action was tak	en to prevent and minimi	se the risk of further escapes? (Not covered in code but could	
be considered unde	r satisfactory measures	s of the Act)	
10. Is the site inspected	d as satisfactory with reg	ards to containment? If no, please detail reason(s)	Υ

Issued by: FHI

Date of issue: 12/09/2017

FHI 059, Version 11

Case No:	2018-0494)		Date of visit	: 10/10/2018			
Site No:	FS1216]		Inspector	: WJM]		
Results Summary	Freq.			Da	ate of Notifica	tion		
,		Database	Insp	Phone	Insp	Writing	Insp	2 nd Insp
			<u> </u>					
								1
				Ì	Ì			1
Report Summary				1				
Case Type ECI/CNI	Date	Insp	2 nd Insp	1				
ECI/CNI	30/10/2018	WJM	ALW					
				1				
			 					
	4							
	+							
	+	 	1					





Sunart Community Company 7 Ardnastaing Strontian Acharacle Argyll PH36 4HY

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS NO FB0537 SITE NO FS1216

INSPECTOR Warren Murray

DATE OF VISIT 10/10/2018

SITE NAME Strontian Hatchery

CASE No 20180494

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.

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 inadequately maintained.

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

Fish Health Inspectorate phone number had not been updated to the new number

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.

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



FHI 059, Version 11		Issued by: FHI	Date of issue: 12/09/2017					
Case No: 2018-0496			Date of visit: 09/10/2018					
Time spent on site:	1 Hr	Main	Inspector: WJM					
Site No: SS0918	Site Name:	Sron na Saobhaidh						
Business No: SB0406	Business Name:	Fass Fern Mussels						
Case Types: 1 ECI	2 3	4 5	6					
Water Temp (°C): N/A	Thermometer No:		FHI 045 completed					
Observations:	Region: HI	Water type: S	CoGP MA:					
Dead/weak/abnormally behavir	ng fish present?	N If yes, see additio	nal information/clinical score sheet.					
Clinical signs of disease observ	ved?		nal information/clinical score sheet.					
Gross pathology observed?		N If yes, see additio	nal information/clinical score sheet.					
Diagnostic samples taken?		N						
UNI/REG only - if unable to carry out intended visit detail reason below:								

Additional Case Information:

Spat collected at Garvan then moved to Sron na Saobhaidh. Shells appeared in good condition and clean, fairly low levels of seaweed.

No increased mortality since last inspection. Health of stock and any increased mortalities recorded in biosecurity log.

FHI 059, Version 11			Issu	ued by: FHI			Date of issu	ie: 12/09/2017
Case No:	2018-0496		Site No:	SS0918	В			
Date of Visit:		09/10/2018	3		Inspector(s):	WJM		1
Registration/Autho 1. Business/site deta 2. Changes made to	ails summary		site representa	ative?			Y N	}
Site Details								
Total No facilities		6	Facilities sto	cked	5	No facilitie	es inspected	6
	MED							
Age group	2018							
No Fish	25 tonnes							
Mean Fish Wt	N/A	(N				2240		
Next Fallow Date (S	ite)	never fallow		Next Input Da	ate (Site)	July 2019		
Recent (last 4 wks) of If yes, detail:	disease probl	lems?		N	N Any escapes	s (since last	visit)?	N/A
Movement Records	S							
1. Movement record		or inspection?						Y
2. Date of last inspec							first inspection	on
3. Are records comp	olete and corre	•						Y
4. Are movement rec								N/A
5. Are records comp		•						N/A
6. Are health certification	ates for introd	ductions (outw	vith GB) availa	able?				N/A
Transport Records								
1. Are any movement If yes, is there a syst					-			
Mortality Records								
Mortality records a		•						Y
2. How are mortalitie					Other (detail))		
If other detail:		s drop to seab						
3. Mortality records of	•	correctly ente		1 - P41 - 2				Y
4. Recent mortality (` '	t sizel morta	no known mo	ortalities				N
5. Evidence of recently yes, facility nos/no				/reason:				
II you, radiity rice	mortant, po.	laomty/110 011	ok por ido	TCGGOTT.				
6. Any other peaks in	n mortality du	uring period ch	necked?					N
If yes, detail:								
7. Have increased (u	•	mortalities be	en reported to	vet or FHI?				N/A
If yes, detail action:		L Live Fill						NI/A
8. Have 'mortality ev	/ents' been re	ported to FHI	!? If no, add IV	IRT case and	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		

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

Records checked between:

first site inspection

FHI 059, Version 11 Issued by: FHI Date of issue: 12/09/2017 Case Number: 2018-0496 SS0918 Site No: Date of Visit WJM 09/10/2018 Inspector: Number of Susceptible species on site If no susceptible species present = LOW risk If susceptible species present, score for each pathogen No Yes Susceptible to Bonamia ostrea (OED) 0 25 0 Susceptible to Marteilia refringens (OED, MED) 0 3 3 Susceptible to OsHV (CGI) 0 3 0 1 2-5 >6 Sites within a tidal excursion Site contacts Number of sites holding susceptible species within a tidal excursion 0 2 10 2 0 1-2 >3 Live shellfish movements 0 5 10 O Frequency of movements on from equivalent MS Movements on Frequency of movements on from equivalent zone or compartment including third country 0 10 20 0 Number of suppliers 0 5 10 0 Movements off Frequency of movements off within MSS Management 0 2 1 0 Frequency of movements off outwith MSS Management 0 0 3 6 Areas 0 Number of destinations 3 6 **Secure Unsecure** Management (effluent (no effluent practices None treatment) treatment) Water contacts with Depuration of stock from own sites within MSS depuration facilities management area 0 2 0 Depuration of stock from other businesses sites within MSS management area 0 2 6 n Depuration of stock from sites outwith MSS management 0 4 8 0 area **Number of sites** ≥ 4 1 2 or 3 Biosecurity Sites operating from single shorebase 0 Contacts with other sites Sites sharing staff and equipment Yes No

Disinfection of equipment between sites, use of footbaths etc

0

Total Risk

LOW

Case No:	2018-0496			Date of visit:	09/10/2018			
Site No:	SS0918	1		Inspector:	WJM	1		
Results Summary	Freq.	Database	Insp	Da Phone	te of Notifica Insp	tion Writing	Insp	and I
		Dalabase	шър	FIIONE	шър	vviillig	шър	2 nd Insp
						 		
						-		
				1	1	 		
Report Summary								
Case Type ECI	Date	Insp	2 nd Insp					
ECI	16/10/2018	WJM	ALW					
		-		4				
			 					





Fass Fern Mussels Garvan Glen Garvan, by Fort William Inverness-shire PH33 7AW

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS NO SB0406 **DATE OF VISIT** 09/10/2018

SITE NO SS0918 SITE NAME Sron na Saobhaidh

INSPECTOR Warren Murray CASE No 20180496

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

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

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

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

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

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

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

Signed: Date: 16/10/2018
Fish Health Inspector

FHI 059, Version 11		Issued by: FHI		Date of issue: 12/09/201
Case No: 2018-0497			Date	e of visit: 09/10/2018
Time spent on site:	1 Hr	Mai	n Inspector:	WJM
Site No: SS0818	Site Name:	Camas a Chuilinn		
Business No: SB0406	Business Name:	Fass Fern Mussels		
Case Types: 1 REG	2 3	4 5	6	—
Water Temp (°C): N/A	Thermometer No:		FHI	045 completed
Observations:	Region: HI	Water type:	3 (CoGP MA:
Dead/weak/abnormally behaving fish present? N/A If yes, see additional information/clinical score sheet.				
Clinical signs of disease observ Gross pathology observed?		N/A If yes, see additional information/clinical score sheet. N/A If yes, see additional information/clinical score sheet.		
Cross patrology observed:		N/A		The limited Score Sheet.
Diagnostic samples taken?				
UNI/REG only - if unable to carry out intended visit detail reason below:				
Could not get out to site due to weather conditions				

Additional Case Information:

Good spat collection at Camas a Chuilinn. All stock then moved to Garvan for ongrowing.

No increased mortality since last inspection. Health of stock and any increased mortalities recorded in biosecurity log.

Could not get out to site due to weather conditions but could see 7 lines in the water from shore.

FHI 059, Version 11			Issu	ed by: FHI			Date of issu	ie: 12/09/2017
Case No:	2018-0497		Site No:	SS0818	3			
Date of Visit:		09/10/2018	3		Inspector(s):	: WJM		1
Registration/Autho 1. Business/site deta 2. Changes made to	ails summary		ite representa	ative?			Y N	}
Site Details								
Total No facilities		8	Facilities sto	cked	7	No facilitie	es inspected	8
	MED	MED						
3-3-1	2018	2017						
No Fish	15 tonnes	60 tonnes						
Mean Fish Wt	N/A	N/A						
Next Fallow Date (Si	ite)	never fallow		Next Input Da	ate (Site)	natural spa	atfall	
Recent (last 4 wks) of If yes, detail:	disease prob	lems?		N	Any escapes	s (since last	visit)?	N/A
Movement Records	c							
Movement records		or inspection?						Y
2. Date of last inspec		Лиороз					11/03/2014	
3. Are records comp		rectly entered?	?					Y
4. Are movement red		•						N/A
5. Are records comp		•						N/A
6. Are health certification	ates for intro	ductions (outw	vith GB) availa	able?				N/A
Transport Records								
1. Are any movement If yes, is there a syst					-			
Mortality Records								
Mortality records a	available for	inspection?						Y
2. How are mortalities		•			Other (detail))		
		s drop to seab	ped					
3. Mortality records of	complete and	d correctly ente	ered?					Y
4. Recent mortality ((last 4 wks):		no known mo	ortalities				
5. Evidence of recen								N
If yes, facility nos/no	mortality per	r facility/no sto	ck per facility/	/reason:				
6. Any other peaks in	n mortality d	uring period cl	necked?					l N
If yes, detail:	11101	illig paner	loonou.					
7. Have increased (u	unexplained)	mortalities be	en reported to	vet or FHI?				N/A
If yes, detail action:			·					
8. Have 'mortality ev	ents' been re	eported to FHI	? If no, add M	RT 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)?		

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

Records checked between: 11/03/2014 - 09/10/2018

FHI 059, Version 11 Issued by: FHI Date of issue: 12/09/2017 Case Number: 2018-0497 SS0818 Site No: Date of Visit WJM 09/10/2018 Inspector: Number of Susceptible species on site If no susceptible species present = LOW risk If susceptible species present, score for each pathogen No Yes Susceptible to Bonamia ostrea (OED) 0 25 0 Susceptible to Marteilia refringens (OED, MED) 0 3 3 Susceptible to OsHV (CGI) 0 3 0 1 2-5 >6 Sites within a tidal excursion Site contacts Number of sites holding susceptible species within a tidal excursion 0 2 10 0 0 1-2 >3 Live shellfish movements 0 5 10 O Frequency of movements on from equivalent MS Movements on Frequency of movements on from equivalent zone or compartment including third country 0 10 20 0 Number of suppliers 0 5 10 0 Movements off Frequency of movements off within MSS Management 0 2 1 1 Frequency of movements off outwith MSS Management 0 0 3 6 Areas 0 Number of destinations 3 6 **Secure Unsecure** Management (effluent (no effluent practices None treatment) treatment) Water contacts with Depuration of stock from own sites within MSS depuration facilities management area 0 2 0 Depuration of stock from other businesses sites within MSS management area 0 2 6 n Depuration of stock from sites outwith MSS management 0 4 8 0 area Number of sites ≥ 4 1 2 or 3 Biosecurity Sites operating from single shorebase 0 Contacts with other sites Sites sharing staff and equipment Yes No

Disinfection of equipment between sites, use of footbaths etc

0

Total Risk

LOW

Case No:	2018-0497			Date of visit	: 09/10/2018	В		
Site No:	SS0818]		Inspector	: WJM]		
Results Summary	Freq.			Da	ate of Notifica	ation		
,	'	Database	Insp	Phone	Insp	Writing	Insp	2 nd Insp
	+			+		-		1
				+				
				1				
	+			†				1
		1		†				
		1		1	Ì			1
						•	•	
Report Summary								
Case Type	Date	Insp	2 nd Insp					
Case Type REG	16/10/2018	WJM	ALW					





Fass Fern Mussels Garvan Glen Garvan, by Fort William Inverness-shire PH33 7AW

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS NO SB0406
SITE NO SS0818
INSPECTOR Warren Murray

DATE OF VISIT
SITE NAME
CASE NO

DATE OF VISIT 09/10/2018

Camas a Chuilinn 20180497

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.

On this occasion, the site inspection could not be conducted as weather conditions were deemed unsuitable.

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

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

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

No animal health surveillance had been carried out on behalf of the business or by Marine Scotland since the last inspection.

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

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



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 12		Issued by: FHI		Date of issue: 08/10/2018
Case No: 2018-0498			Da	te of visit: 10/10/2018
Time spent on site:	30 min	Ma	ain Inspector:	WJM
Site No: SS0375 Business No: SB0245	Site Name: Business Name:	Camas Inas Loch Sunart Seafor	ods (Scotland)	
Case Types: 1 REG	2 3	4 5	6	
Water Temp (°C):	Thermometer No:] FH	II 045 completed
Observations:	Region: HI	Water type:	S	CoGP MA:
Dead/weak/abnormally behavir Clinical signs of disease observ Gross pathology observed? Diagnostic samples taken?	· ·	If yes, see add	litional informati	on/clinical score sheet. on/clinical score sheet. on/clinical score sheet.
UNI/REG only - if unable to car	ry out intended visit deta			
		site fallow		

Additional Case Information:

Site due ECI inspection. On contact with site manager, site was said to be fallow and unsure when will be stocked again due to planning issues with Marine Scotland. Hopes to have these issues resolved quickly. Drove past location of site in Loch Sunart and could not see any facilities in the water.

Case No:	2018-0498			Date of visi	it: 10/10/201	18		
Site No:	SS0375]		Inspecto	r: WJM			
Results Summary	Freq.				ate of Notific	cation		
results Summary		Database	Insp	Phone	Insp	Writing	Insp	2 nd Insp
						_		
						_		
	+							_
	+			1	+	+		
	+				+			
				1		1		
				_				
Report Summary								
Case Type	Date	Insp	2 nd Insp					
Case Type REG	17/10/2018	WJM	ALW					
				4				





Loch Sunart Seafoods (Scotland)
Suynord Camas Inas
Loch Sunart
Ardnamurchan
PH36 4JQ

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

Business NoSB0245Date of Visit10/10/2018Site NoSS0375Site NameCamas InasInspectorWarren MurrayCase No20180498

Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

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

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

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

Signed: Date: 17/10/2018
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 12	1	ssued by: FHI		Date of	issue: 08/10/2018
Case No: 2018-0504				Date of visit:	29/11/2018
Time spent on site:	h	_	Main Inspector	: <u>[</u>	DJT
Site No: FS0577 Business No: FB0070	Site Name: Business Name:	Kindrochet Fish Kindrochet Fish			
Case Types: 1 ECI	2 CNI 3 VMD	4	5	6	
Water Temp (°C): 7.1	Thermometer No:	T173	\supset	FHI 045 compl	eted
Observations:	Region: TA	Water type	e: F	CoGP MA:	
Dead/weak/abnormally behaving Clinical signs of disease observe Gross pathology observed? Diagnostic samples taken?	•		additional inforn additional inforn additional inforn	nation/clinical so	core sheet.
UNI/REG only - if unable to carry	out intended visit detail	reason below:			

Additional Case Information:

Some fertile RTR males were observed, this milt was stripped and used over some brown trout ova to see if viable hybrid could be produced. . To check with FHI regarding authorisation/non-native regulations

Costia had been an issue through the summer, some treatments with formalin

Aquatet treatment for red mark syndrome.

Some deformed fish are culled, frozen and sent to SPCA for otter food. There is an ensiler onsite but is only used for an emergency situation. Some morts are buried on site.

Mortalities for pond stocks 3378 (1082kg)from Dec 17 to Nov 18. The Hatchery 24500 (20kg)

Some biosecurity measures were not included in the plan as some pages were missing, new plan to be sent through and agreed with manager.

Some fin rot and fungus observed on five fish across the site. No samples taken.

FHI 059, Version 12		Is	sued by: FHI		Date of issue: 08/10/201				
Case No:	2018-0504		Site No:	FS057	7				
Date of Visit:		29/11/2018]		Inspector(s):	DJT]	
Registration/Authornal 1. Business/site detail 2. Changes made to	ails summary		ite represe	ntative?			y n	}	
Site Details			_			_			
Total No facilities		1 hat, 4 raceway, 15 ponds	Facilities s	stocked	15 ponds the hatchery and 4 raceways		s inspected	all	
Species	Hybrid trout ova	RTR	TRO	RTR	TRO	RTR	TRO		
Age group	2018 ova	2017	2017	2016	2016	2018	2018		
No Fish	41	6,000	500	1,000	6	75,000	1,000		
Mean Fish Wt	N/A	1kg	450g	2kg	3kg		40g		
Next Fallow Date (S	ite)	ongoing cycl	e	Next Input D		unsure			
					. .				
Recent (last 4 wks) If yes, detail:		ems? s in older stoc	k		Y Any escapes	(since last v	/ISIt)'?	N	
		s in older stoc	· N						
 Movement Record Movement record Date of last inspector 	ls available fo	r inspection?					06/11/2017		Υ
3. Are records comp		ectly entered?)				00/11/2017		Y
4. Are movement re		•		te?					Y
5. Are records comp									N
6. Are health certific	ates for introd	ductions (outw	ith GB) ava	ailable?					Y
Transport Records									
1. Are any movement of yes, is there a sys		• '		,	· ·				Y
Mortality Records	terri iri piace i	or maintenan	cc or trainsp	portation record	J.				
1. Mortality records		•							Y
2. How are mortalitied of their detail:					Other (detail)				
3. Mortality records	Buried on sit		ered?					1	Y
4. Recent mortality (•	corroomy orm		t four weeks				1	
5. Evidence of recer	•	typical mortal							N
If yes, facility nos/no	mortality per	facility/no sto	ck per facil	lity/reason:					
6. Any other peaks i	n mortality du	ring period ch	necked?						N
If yes, detail:									
7. Have increased (unexplained)	mortalities be	en reported	d to vet or FHI?					N/A
If yes, detail action: 8. Have 'mortality ev	(ante! haan ra	ported to EUI	2 If no add	IMPT case and	enter en morte	lity evente e	hoot		N/A
o. Have mortality ev	cillo neeli le	Polica lo FIII	: II IIO, add	I WIT Lase and	enter on morta	my everns s	HEEL.		1 1//~

FHI 059, Version 12	Issued by: FHI	Date of issue: 08/10/2018
Treatments and Medicines Records		
1. Recent treatments (last 4 wks)?		N
If yes, detail:		
If other, detail:		
2. Medicines records available for inspe		Y
3. Are records complete and correctly e	ntered?	Y
4. Are fish in a withdrawal period?		N
5. If yes, what treatment(s)?		
If other, detail:		
6. Are medicines stored appropriately?		Y
Biosecurity Records		
1. Biosecurity records available for inspe	ection?	Y
2. Has the manner and frequency of mo	ortality removal, recording and safe disposal been	n considered?
3. Has the manner and period in which	the APB will notify Scottish Ministers or veterinar	ry professional of any
increased (unexplained) mortality at the	e site been included?	Y
	e event that the presence or suspicion of the pre	
	I when that will be notified to Scottish Ministers?	
	animals being stocked on the farm site been cov	vered (equal or higher N
health status, certification if required)?		
		logical unit to minimise
	measures implemented between each epidemiol movement of staff, visitors, equipment, live or de	logical and to minimo
	• •	
aquaculture animals held on site?	the measures in place to maintain the physical of	Containment of
8. Have the biosecurity procedures bee	n adequately implemented on site?	
If no, detail:	n adequately implemented on site:	
Results of Surveillance		
1. Has any animal health surveillance be	een carried out by, or on behalf of, the business?	? N
2. If yes, are results available for inspec	tion?	

November 2017 to 29/11/18

3. Any significant results?

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

Records checked between:

1111 000, Version 12					133060 D	y. 1 1 11		
Case no:	2018-050	Site No	FS0	577	Date Samp	of visit/	29/11/2018	3
Priority samples:	VI	ВА		PA	MG	HI		
Time sampling starts/ends:	14:20		0:00	Inspector	r: DJT	<u> </u>	VMD No.	1
Environmental condition	s: 1 L	Ory 2		3	4	5		
Summary samples	HIST	ВА	MG		/I	PA	Total S	Samples
Add Fish/Pools - click								
Pool/Fish No								
Fish nos	1							
Pool Group								
Species	RTR							
Average weight	450g							
Sex Time	N/A FW							
Water Type	FVV							
<u>s</u>	<u>e</u>							
Details	20							
	Kindrochet							
Stock Origin Facility No								
pacility No	5							

	Addition	nal Sam	ple Infoi	mation:							
0	1	Total Te	ests ass	signed	0	l					

FHI 059, Version 12		Issued by: FHI			Date	of issue	e: 08/10/201
Case Number:	2018-0504		Site No:	FS0577		Insp:	DJT
Date of Visit	29/11/2018		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	C
with GB) of susceptible species		novements on from equivalent zone or	_		40		
species		ncluding third country	0		18		
	Number of sup	Dilers	0	5			
Movements off	Frequency of m		0				10
	Number of desi		0			10	10
Exposure via water	le · · ·	Site contacts	0	1-5	6-10		
Water contacts with other farms (holding species	disinfection or l	•	0				
susceptible to same diseases)		or in a coastal zone with category I 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	or within 1 tidal excursion	1	4	8		4
Management practices	1.		None	Secure	Unsecure		
Water contacts with processors	Any processing	plant discharging into adjacent waters	0	1	2		С
On farm processing within the rules of the directive	No on farm pro	cessing	0				С
and raide 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 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				C
products	Common proce	esses with other farms	3				
	Collection point	for waste from other farms	5				
Use of unpasteurised feeds	No feeding of u	npasteurised feed	0	1			C
·	Feeding unpas	teurised feed	5				
Biosecurity		Number of sites	1	ı 2 or 3	≥ 4		
Contacts with other sites	Sites operating	from single shorebase	0	1	2		C
	Sites sharing s	taff and equipment	0	1	2		
Disinfection of equipment	Yes		0	1			C
between sites, use of footbaths etc	No		1				
CoGP/Regulator				_			
Practices in accordance	Yes		0				C
with regulator or industry code of practice	No		3				
Platform access to cages	Yes						C
	No		2				
					Total		24
					Rank		MEDIUM

Case No:	2018-0504		Site N	o: FS05	77	
Sea Lice Inspection (9		in the previous 4 years?	,			
•	•	quivalent) fallowed sync		gle year clas	ss basis?	
azamethiphos and ema	amectin benzoate) as v in a reasonable period cumented farm manage	enced in-feed and bath s vell as access to suitable of time? ement agreement or stat	e biological and/or r	mechanical	control measure	es, and
5. Are sea lice count re	ecords available for insp	pection? (Legal SSI, Co	GP Annex 6)			
6. Do records adequate	ely reflect the required	standard specified in the	SSI and the CoGP	?? (Legal SS	SI, CoGP Annex	(6)
7. Are sea lice (<i>L. salm</i> records are inspected?		ow the suggested criteria	a for treatment in the	e CoGP du	ring the period t	hat
8. Have average adult records are inspected?	· · · · · · · · · · · · · · · · · · ·	nonis) numbers per fish	been at a level of 3	or above d	uring the period	I that
If yes, have these beer	reported to the Fish H	ealth Inspectorate? If no	, FHI see comment	t.		
9. Is C. elongatus infes	station at a level which	is considered to cause s	ignificant welfare pr	roblems? (C	CoGP 4.3.81, 5.	3.50)
		stered or other actions ta longatus is considered t				
11. Has any other action	on been taken (where a	pplicable)?				
•	·	s taken had a significant	impact upon the lic	e levels rec	corded?	
13. Are treatments, wh	ere conducted, carried	out in cooperation betwe	een participating far	ms?		
14. Is there a harvestin sea lice?	ig strategy for the site,	where fewer populations ment procedure with wa	or part populations	are held w		
scenarios during the es			,,			
16. Do the sea lice leve	els observed on stocks	reflect sea lice count da	ta? If no please det	ail reasons.		
•	nced equipment damag	e due to predators in the	·	•	n cycles?	N Y
If other, detail below:						
If Yes proceed with que	ents or events been exp estions 4 – 9. If No skip ported to Scottish Minis	•	inity of the site since	e the last Fl	HI inspection?	N
5. Have these been rep	ported to local DSFB fo	rthwith (where they exist)? (CoGP - 4.4.37,	, 5.4.17)		
6. Have these been rep	ported to the SSPO and	l local fisheries trusts for	thwith (where they	exist)? (Coo	GP – 4.4.37, 5.4	1.17)
7. Were methods (if an	y) used to recover esca	apees? If yes give detail				
8. If gill nets were deple	oyed was this action ac	reed with local wild fish	interests and was p	ermission o	given by Scottish	h
Ministers? (Legal, CoG						
9. What action was tak	en to prevent and mini	mise the risk of further e	scapes? (Not cover	ed in code l	but could	
	r satisfactory measur					
10. Is the site inspected	d as satisfactory with re	gards to containment? I	f no, please detail r	eason(s)		У

Issued by: FHI

Date of issue: 08/10/2018

FHI 059, Version 12

Site No: FS0577

Case No: 2018-0504

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

Case No:	2018-0504			Date of visit:	29/11/2018				
Site No:	FS0577	1		Inspector:	DJT	l			
Results Summary	Freq.	Date of Notification							
Í	·	Database	Insp	Phone	Insp	Writing	Insp	2 nd Insp	
	ļ								
	 								
	 								
	1								
	ļ								
	-								
Report Summary									
Case Type	Date	Insp	2 nd Insp						
Case Type ECI,CNI,VMD	06/12/2018	DJT	JET						
,									
	.								





Kindrochet Fish Farm St Fillans Perthshire

PH6 2JZ

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

Business No FB0070 Date of Visit 29/11/2018

SITE NO FS0577 SITE NAME Kindrochet Fish Farm

INSPECTOR David Tomlinson CASE No 20180504

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.

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 or Marine Scotland since the last Marine Scotland Inspection.

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

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

- Movements of culled fish to the SPCA were not being maintained, a record of these movements must be recorded for any future movements.
- The biosecurity measures plan was incomplete, this was discussed during the inspection and a draft plan has been emailed. This should be reviewed and updated as required and a copy maintained for future inspections

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 with respect to section 5 regarding containment and escapes.

On this occasion the site was found to be satisfactory.

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



Date: 06/12/2018

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

FHI 059, Version 12		Issued by: FHI	D	ate of issue: 08/10/2018
Case No: 2018-0507			Date of v	isit: 11/10/2018
Time spent on site:	Hrs	Ma	in Inspector:	WJM
Site No: FS0546 Business No: FB0125	Site Name: Business Name:	Nevis C (Ardintigh) Scottish Sea Farms		
Case Types: 1 REP 2	2 DIA 3	4 5	6	
Water Temp (°C): 12.9	Thermometer No:	Site	FHI 045 (completed
Observations:	Region: HI	Water type:	S CoGP	P MA: M-23
Dead/weak/abnormally behaving Clinical signs of disease observed Gross pathology observed? Diagnostic samples taken?	•	Y If yes, see addi	tional information/clin tional information/clin tional information/clin	ical score sheet.
UNI/REG only - if unable to carry	out intended visit deta	il reason below:		

Additional Case Information:

FHI notified of mortality on site post H2O2 treatment. There had been a drop in feed activity and gill scores between 2-3 so decision was made to carry out H2O2 treatment.

Site mortalities for weeks 35 - 39 averaged 0.37 for whole site per week. Pens 4, 9, 10, 11 & 12 treated on 05/10/2018. Pens 2, 6 & 8 treated on 06/10/2018. Pen 1 treated on 10/10/208 and remaining 2 pens (3 & 5) treated on 11/10/2018.

Mortalities for each pen from 05/10 - 11/10/2018 as follows: 1 - 1375, 2 - 102, 3 - 90, 4 - 56, 5 - 38, 6 - 14,892, 8 - 12,713, 9 - 18,920, 10 - 1675, 11 - 8081, 12 - 1139.

Site confused why only certain pens showed such a jump in mortalities post treatment while others didn't. Fish on site appeared in good health and feeding well on inspection. A few fish appeared slightly lethargic in pen 1 but had just been treated 24 hrs earlier. No external damage and no internal signs of disease. Gills on fish 1 slightly pale. Sea lice levels at 0.03/fish of all stages.

Histo samples taken on 27/09/2018 by FVG. Report noted variable gill disease ranging from mild to severe, suggesting previous AGD. Heart disease of an inflammatory nature from fish from pen 1. low grade HSMI possible. PCR samples collected 10/10/2018 by FVG.

2 batches of H2O2 used on 05/10/2018. Company having it checked for any potential issues.

Case No: 2018-0507 Site No: FS0546 Date of Visit: 11/10/2018 Inspector(s): WJM Registration/Authorisation Details 1. Business/site details summary checked by site representative? 2. Changes made to details? Site Details Total No facilities 12 Facilities stocked 11 No facilities inspected 12	
Registration/Authorisation Details 1. Business/site details summary checked by site representative? 2. Changes made to details? Site Details	
1. Business/site details summary checked by site representative? 2. Changes made to details? Site Details N N/A N/A	
Total No facilities 12 Facilities stocked 11 No facilities inspected 12	
Species SAL SAL	
Age group 2018 S1	
No Fish 237,723	
Mean Fish Wt 1.04Kg	
Next Fallow Date (Site) Sept. 2019 Next Input Date (Site) Dec. 2019	
Recent (last 4 wks) disease problems? Y Any escapes (since last visit)?	
If yes, detail: AGD/ gill issues present.	
Movement Records	
	Y
1. Movement records available for inspection?2. Date of last inspection:04/07/2018	
3. Are records complete and correctly entered?	Υ
	V/A
	V/A
	N/A
Transport Records	
1. Are any movements carried out by (or on behalf) of the business (not using a STB)?	
If yes, is there a system in place for maintenance of transportation records?	
Mortality Records	
1. Mortality records available for inspection?	Υ
2. How are mortalities disposed of? Incinerated - on site	
If other detail:	
3. Mortality records complete and correctly entered?	Y
4. Recent mortality (last 4 wks): Weeks 38 - 41: 0.08%, 0.31%, 10.45%, 11.14%	
5. Evidence of recent increased/atypical mortalities?	Y
If yes, facility nos/no mortality per facility/no stock per facility/reason:	
Pens 6 (14,892), 8 (12,713), 9 (18,920) & 11 (8,081) post H2O2 treatment 05/10 - 11/10/2018	
6. Any other peaks in mortality during period checked?	N
If yes, detail: 7. Have increased (unexplained) mortalities been reported to vet or FHI?	Y
If yes, detail action: FHI notified, site inspected.	
8. Have 'mortality events' been reported to FHI? If no, add MRT case and enter on mortality events sheet.	Y

Resul	ts of	Survei	llance	

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).

gill disease

see additional comments

Records checked between:

04/07/2018 - 11/10/2018

ы	11 059, version 12							ISS	suea by:	гпі			
	Case no:	2018-05	507	Site No:		FS0546			Date of Samplin		11/	10/2018	11/
	Priority samples:	VI		ВА		PA		MG		g. HI			
	Time sampling starts/ends:		0:00		0:00		Inspecto	or:	WJM		VMD No	o. [0
	Environmental conditions:	1	Windy	2	Wet	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	P1									
	Fish nos	1	2	1-2									
	Pool Group	P1	P1										
	Species	SAL	SAL	SAL									
	Average weight	1.0400	1.0400	1.0400									
	Sex	N/A	N/A	N/A									
	Water Type	SW	SW	SW									
<u>S.</u>		>	>	>									
Details		sar	sar	sar									
		Ormsary	Ormsary	Ormsary									
Stock	Stock Origin												
Ċ.	Facility No	1	1	1									

1111 000, 1010101 12												
10/2018	Addition	nal Sam	ple Infor	mation:								
3		Total To	ests ass	igned	3	l						

FHI 059, Version 12 Issued by: FHI Date of issue: 08/10/2018

Case no: 2018-0507 Site No: FS0546 Method of killing: Percussive

Date of visit: 11/10/2018 Inspector(s): WJM Sheet Relevant: Y

Case no:	2018-0507		Site No:	FS0546	N	Method of killing	g: Percussive
Date of visit:	11/10/20	118	Inspector(s):	WJM		Shoot	Relevant: Y
Date Of VISIL	1 1/10/20	710				Sneet	Nelevalli.
	nce: M for medium presence: W	for weak pr					
Fish Number			1 2				
Time sampled at External Signs	ter death (if > 45 minutes)						
Behaviour	Moribund						
	Lethargic	w	w	_			
	Hanging vertical						
	Spiralling						
	Flashing						
Dodu	Loss of equilibrium			_			
Body	Dark Distended abdomen			_			
	Anorexic						
	Scale Oedema						
Opercula	Shortened						
	Flared						
Haemorrhaging	Throat						
	Ventrum Reco of fine						
	Base of fins Elsewhere						
Eyes	Exophthalmic						
_,	Enophthalmic (sunken)						
	Cataract						
	Haemorrhagic						
Gills	Pale	М	W				
	Zoned			_			
	Necrotic			_			
Lesions	Flank Elsewhere			_			
Vent	Inflamed			_			
10111	Trailing faeces						
Lice Load	Estimate numbers						
Internal Signs							
Ascites	Clear						
Oedema	Bloody In tissues			_			
Heart	Pale/anaemic			_			
· rourt	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						
Gut	Granulomas No food present						
Jul	Yellow pseudo-faeces						
	External haem						
	Internal haem						
Body wall	Haemorrhaging						
Swim bladder	Haemorrhaging						
	Fluid filled						
Kidney	Swollen						
	Grey Granular						
	Liquefied						
General	Parasites present						
	Anaemia						

Case no: 2018-0507

Date of visit: 11/10/2018

Date of visit:	11/10/2018	<u>1</u>					
S for strong preser	nce: M for medium presence: W for	۱۸					
Fish Number	ice. Wi for medium presence. W for	VI I				ı	
	er death (if > 45 minutes)						
External Signs	er death (if > 45 fillilidies)						
Behaviour	Moribund						
Bellavioui	Lethargic						
	Hanging vertical						
	Spiralling						
	Flashing						
	Loss of equilibrium						
Body	Dark						
Войу	Distended abdomen						
	Anorexic						
	Scale Oedema						
Opercula	Shortened						
Орегсина	Flared						
Haemorrhaging	Throat						
nacmonnaying	Ventrum						
	Base of fins						
	Elsewhere						
Fves	Exophthalmic						
Eyes	Enophthalmic (sunken)						
	Cataract						
Gills	Haemorrhagic Pale						
GIIIS	Zoned						
Lasiana	Necrotic Flank						
Lesions							
V 1	Elsewhere						
Vent	Inflamed						
Line Lond	Trailing faeces						
Lice Load	Estimate numbers						
1.0							
Internal Signs							
Ascites	Clear						
	Bloody						
Oedema	In tissues						
Heart	Pale/anaemic						
	Granulomas						
	Deformed						
Liver	Petechial haem						
	Gross haem						
	Tissue breakdown						
	Enlarged						
	Colour number(s)						
	Granulomas						
	Lesions						
Pyloric caeca	Petechial haem						
	Tubules mauve						
	Lack of fat						
Spleen	Enlarged						
	Granulomas						
Gut	No food present						
	Yellow pseudo-faeces						
	External haem						
	Internal haem						
Body wall	Haemorrhaging						
Swim bladder	Haemorrhaging						
	Fluid filled						
Kidney	Swollen						
	Grey						
	Granular						
	Liquefied						
General	Parasites present						
	Anaemia						

HI 059, Version 12	Issued by: FHI	Date of issue: 08/10/20
Additional comments:		
		1
		l
		1
		1
		1
		1
		1

Site No: FS0546

Nature of non-compliance:

Action taken (FHI):

Case No: 2018-0507

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

 Case No:
 2018-0507
 Date of visit: 11/10/2018

 Site No:
 FS0546
 Inspector: WJM

Results Summary	Freq.	Date of Notification								
		Database	Insp	Phone	Insp	Writing	Insp	2 nd Insp		
MG_IPN	0/1	18/10/2018	WJM	22/10/2018	ALW	02/11/2018	WJM	SAE		
MG_VHS	0/1	18/10/2018	WJM	22/10/2018	ALW	02/11/2018	WJM	SAE		
MG_IHN	0/1	18/10/2018	WJM	22/10/2018	ALW	02/11/2018	WJM	SAE		
MG_ISA	0/1	18/10/2018	WJM	22/10/2018	ALW	02/11/2018	WJM	SAE		
MG_SAV	0/1	18/10/2018	WJM	22/10/2018	ALW	02/11/2018	WJM	SAE		
AGD QPCR	2/2	22/10/2018	ALW	22/10/2018	ALW	02/11/2018	WJM	SAE		
P theridion QPCR	2/2	22/10/2018	ALW	22/10/2018	ALW	02/11/2018	WJM	SAE		
Salmon gill pox QPCR	2/2	22/10/2018	ALW	22/10/2018	ALW	02/11/2018	WJM	SAE		
Complex gill disease histo	2/2	22/10/2018	ALW	22/10/2018	ALW	02/11/2018	WJM	SAE		
AGD histo	1/2	22/10/2018	ALW	22/10/2018	ALW	02/11/2018	WJM	SAE		
gill pathology	2/2	22/10/2018	ALW	22/10/2018	ALW	02/11/2018		SAE		
post mortem changes	2/2	22/10/2018	ALW	22/10/2018	ALW	02/11/2018		SAE		
PSFL	1/2	30/10/2018	WJM	31/10/2018	WJM	02/11/2018	WJM	SAE		
				+		_				

Report Summary			
Case Type	Date	Insp	2 nd Insp
DIAG	02/11/2018		SAE
REP	02/11/2018	WJM	SAE





Scottish Sea Farms Ltd Laurel House Laurelhill Business Park Polmaise Road Stirling FK7 9JQ

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS No FB0125 **DATE OF VISIT** 11/10/2018

SITE NO FS0546 SITE NAME Nevis C (Ardintigh)

INSPECTOR Warren Murray Case No 20180507

Section 1: Summary

The above site was inspected following a report from Scottish Sea Farms of a recent increase in mortalities. On inspection of the site, a small number of fish appeared lethargic. Two lethargic fish were removed for examination and subsequent diagnostic sampling.

Histopathology examination revealed mild to moderate complex gill pathology with mild to moderate proliferative gill hyperplasia along with evidence of amoebic cells (the causative agent of amoebic gill disease) and samples tested positive for *Paranucleospora theridion* (syn, *Desmozoon lepeophtherii*) by qPCR.

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

Pseudomonas fluorescens was isolated. The light growth would not suggest bacteria to be the primary source of morbidity.

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

Section 2: Case Detail

Observations

The site was stocked with 237,723 2018 S1 Atlantic salmon at an average weight of 1.04 kg. Mortality rate had jumped from 0.31% in week 39 to 10.45% in week 40. The increase in mortality occurred post treatment but was confined to only four of the pens treated. Samples had been taken prior to the event with gill disease being confirmed.

R09

During the inspection a number of lethargic Atlantic salmon were observed. Two lethargic fish were removed from the pens for further examination and subsequent diagnostic sampling. The gills of fish 1 and 2 were pale.

Internally both fish appeared healthy with no gross pathology observed.

Samples

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

Fish number	Pool number	Facility number	Species	Stage	Origin
F1 & F2	P1	1	Atlantic salmon	S1 2018 @ 1kg	Ormsary Smolt Unit

Results

Bacteriology: Kidney and gill material from fish 1 and 2 were inoculated onto appropriate media for the isolation of bacteria.

The following bacteria were isolated:

• Pseudomonas fluorescens (F1 gills)

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

Salmon gill poxvirus (SGPV)

	Fish Number	Endogenous control Cp value		Cp Values	Reported Result (PCR)	
	F1	21.36	35.02	34.47	34.76	Positive
Ī	F2	22.14	28.83	28.89	28.78	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 Endogenous control Cp value		Cp Values			Reported Result (PCR)
F1	21.36	35.26	35.34	35.84	Positive
F2	22.14	30.29	30.18	30.09	Positive

Paranucleospora theridion (syn, Desmozoon lepeophtherii)

Fish Number	Endogenous control Cp value		Cp Values	Reported Result (PCR)	
F1	21.36	30.02	30.66	Positive	
F2	22.14	29.61	29.37	29.32	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 and 2. The tissue samples were fixed in 10% neutral buffered formalin.

Histopathological examination revealed the following:

<u>Gill</u>: Mild to moderate multifocal interlamellar hyperplasia with spaces (lacunae) occasionally filled with cell debris (F1-F2), few lamellar thrombi, prominent goblet cells noted in all fish, small foci of cell necrosis on the hyperplasic plaques noted in F1 and several amoebic cells resembling *Neoparamoeba perurans* were noted in F2. Generalized epithelial lifting likely associated with post-mortem artefact.

Skin & Muscle: Within normal range.

Heart: Within normal range.

Gut and pyloric caeca: Within normal range.

Pancreas: Within normal range.

<u>Liver</u>: Mild multifocal hepatocyte vacuolation.

Kidney: Within normal range.

Spleen: Small granuloma-like structure (F1).

Signed: Date: 02/11/2018

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 12		Issued by: FHI	Date of issue: 08/10/2018
Case No: 2018-0508			Date of visit: 15/10/2018
Time spent on site:	hrs	Main In	spector: PMM
Site No: FS1076 Business No: FB0440	Site Name: Business Name:	Setterness North (Bomle Grieg Seafood Shetland	,
Case Types: 1 REP 2	2DIA 3	4 5	6
Water Temp (°C): 10.3	Thermometer No:	T154	FHI 045 completed
Observations:	Region: SH	Water type: S	CoGP MA: S-4
Dead/weak/abnormally behaving of Clinical signs of disease observed Gross pathology observed? Diagnostic samples taken?	•	Y If yes, see additiona	al information/clinical score sheet. al information/clinical score sheet. al information/clinical score sheet.
UNI/REG only - if unable to carry	out intended visit deta	il reason below:	

Additional Case Information:

Site was scheduled to be fallow, however, harvests at other sites within and outwith MA have delayed this. Site will be fallow before the end of October 2018 and restock beginning of 2019. Site will likely receive some fish from nursery site - Taing of Railsborough Catfirth, these went to sea in October 2018.

~ 10 moribund fish observed in cages 7 & 9, <10 observed in cage 12 (highest biomass cage). Very few observed in cage 6, but very low biomass at present.

GSS have been conducting regular water samples and have not identified anything that may have caused the gill issues, however at present the water samples aren't checked for jellyfish.

10 fish removed and 5 selected for diagnostic sampling - see clinical score sheet.

After 2017 S0's are harvested at Score Holms the wellboat will return to Setterness North and complete the harvesting operations.

FHI 059, Version 12			Issu	ed by: FHI			Date of issu	e: 08/10/2018
Case No:	2018-0508		Site No:	FS1076				
Date of Visit:		15/10/2018]		Inspector(s):	PMM]
Registration/Autho 1. Business/site deta 2. Changes made to	ails summary		ite representa	itive?			Y N]
Site Details Total No facilities Species Age group	SAL 2017 S1	10	Facilities sto	cked	4	No facilitie	es inspected	10
No Fish	~50,000							
Mean Fish Wt	~5.5 kg							
Next Fallow Date (Si	ite)	October 2018	8	Next Input Da	ite (Site)	Beginning	of 2019	
Recent (last 4 wks) of If yes, detail:	disease probl	ems?		Y	Any escapes	(since last	visit)?	N
 Movement records Date of last inspect Are records comp Are movement records Are records comp Are health certificat Transport Records Are any movement 	ction: lete and corrected available lete and corrected attention a	ectly entered? le for dead fis ectly entered? luctions (outw t by (or on bel	h and waste? rith GB) availa	able? siness (not usi	-		26/04/2018	Y Y Y Y N/A
If yes, is there a syst	tem in place f	or maintenand	ce of transpor	tation records	?			
Mortality Records 1. Mortality records a						=14/444 (0)	4 8	Y
2. How are mortalities If other detail:	es aisposea o	T?			Whole fish -	I WIMA (She	etiand)	
3. Mortality records of	complete and	correctly ente	WK 38 - , W	K 39 - , WK 40 ed to Anaemia		,		` ,
4. Recent mortality (, in the second second				, , ,	•	<u> </u>	
5. Evidence of recen		•		/rooson:				Y
If yes, facility nos/no Increase week 40 - s		-	ck per racility,	reason.				
6. Any other peaks in			ecked?					Y
If yes, detail: 7. Have increased (ι	ınexplained) ı	mortalities be	en reported to	vet or FHI?				N/A
If yes, detail action: 8. Have 'mortality ev	ents' been re	ported to FHI	? If no, add M	RT case and e	enter on morta	llity events s	sheet.	Y

Results of Surveillance

If no, detail:

aquaculture animals held on site?

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

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).

Complex gill issues, CMS and Anaemia

Records checked between:

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

May 2018 to 15/10/18

ы	al 059, version 12							ISSI	Jea by: F	ПΙ			
	Case no:	2018-05	808	Site No:		FS1076			Date of v Sampling		15/1	10/2018	15/
	Priority samples:	VI		ВА		PA		MG		,. HI			
	Time sampling starts/ends:		0:00		0:00	 	Inspector:] : 40	PMM	E	VMD No). [0
	Environmental conditions:	'	Indoors			3	ш	4	_	5			
	Summary samples	HIST	Υ	ВА	Υ	MG	Y	ı [Y	PA		Total Sa	mples
								Ī					
Α	dd Fish/Pools - click												
	I												
	Pool/Fish No	F1	F2		F4	F5	P1						
	Fish nos	1	2	3	4	5	1-5						
	Pool Group	P1	P1	P1	P1	P1							
	Species	SAL	SAL	SAL	SAL	SAL	SAL						
	Average weight	~5.5 kg	V)	~5.5 kg		~5.5 kg						
	Sex	N/A	N/A	N/A		N/A	N/A						
	Water Type	SW	SW	SW	SW	SW	SW						
		_		_	_	_							
		ler)	ler)	iery	iery	iery	je j						
.,		달	ţ	tc	tch	tc	달						
<u>0.</u>		Та	Та	Та	Ha	Та	Ha						
Details		ta	fa	ta	ta	ta	ta						
		Girlsta Hatchery											
Stock	Stock Origin Facility No)			\rightarrow				
Ċ,	racility NO	7	7	1	9	12	7, 9, 12						

	1711 000, Volum 12												
10/2018	10/2018 Additional Sample Information:												
6	6 Total Tests assigned 3												
												1	

FHI 059, Version 12 Issued by: FHI Date of issue: 08/10/2018 Method of killing: Percussive Case no: 2018-0508 FS1076 Site No: Inspector(s): 15/10/2018 PMM Sheet Relevant: Y Date of visit: S for strong presence: M for medium presence: W for weak presence Fish Number Time sampled after death (if > 45 minutes) External Signs Behaviour Moribund 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 W Gills Pale M Zoned W Necrotic **Flank** Lesions **Elsewhere** Vent Inflamed Trailing faeces <20 <20 <20 <20 <20 Lice Load **Estimate numbers** Internal Signs Clear **Ascites** М W М Bloody Oedema In tissues Heart Pale/anaemic Granulomas Deformed Liver Petechial haem Gross haem Tissue breakdown

Enlarged
Colour number(s)
Granulomas
Lesions

Enlarged Granulomas No food present

Petechial haem Tubules mauve Lack of fat

Yellow pseudo-faeces
External haem
Internal haem

Haemorrhaging Haemorrhaging

Parasites present

Fluid filled

Swollen
Grey
Granular
Liquefied

Anaemia

Pyloric caeca

Spleen

Body wall

Kidney

General

Swim bladder

Gut

М

Case no: 2018-0508

Date of visit: 15/10/2018

Date of visit:	15/10/2018	3					
S for strong preser	nce: M for medium presence: W for	W					
Fish Number	, , , , , , , , , , , , , , , , , , , ,						
	er death (if > 45 minutes)						
External Signs	•						
Behaviour	Moribund						
	Lethargic						
	Hanging vertical						
	Spiralling						
	Flashing						
	Loss of equilibrium						
Body	Dark						
	Distended abdomen						
	Anorexic						
Opercula	Scale Oedema Shortened						
Орегсија	Flared						
Haemorrhaging	Throat						
	Ventrum						
	Base of fins						
	Elsewhere						
Eyes	Exophthalmic						
	Enophthalmic (sunken)						
	Cataract						
	Haemorrhagic						
Gills	Pale						
	Zoned						
	Necrotic						
Lesions	Flank						
Manat	Elsewhere						
Vent	Inflamed						
Lice Load	Trailing faeces Estimate numbers						
Lice Loau	Estillate liulibers						
Internal Signs							
Ascites	Clear						
	Bloody						
Oedema	In tissues						
Heart	Pale/anaemic						
	Granulomas						
	Deformed						
Liver	Petechial haem						
	Gross haem						
	Tissue breakdown						
	Enlarged						
	Colour number(s) Granulomas						
	Lesions						
Pyloric caeca	Petechial haem						
. J.c.i.e euceu	Tubules mauve						
	Lack of fat						
Spleen	Enlarged						
	Granulomas						
Gut	No food present						
	Yellow pseudo-faeces						
	External haem						
	Internal haem						
Body wall	Haemorrhaging						
Swim bladder	Haemorrhaging						
Vidno:	Fluid filled						
Kidney	Swollen						
	Grey Granular						
	Liquefied						
General	Parasites present						
	Anaemia						

Site No: FS1076

Case No: 2018-0508

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

Case No: 2018-0508 Date of visit: 15/10/2018 Site No: FS1076 Inspector: PMM **Results Summary** Date of Notification Freq. 2nd Insp Database Insp Phone Insp Writing Insp 24/10/2018 PMM AGD QPCR 5/5 22/10/2018 PMM 25/01/2019 PMM Para Ther QPCR 4/5 22/10/2018 PMM 24/10/2018 PMM 25/01/2019 PMM 25/01/2019 PMM SAL POX QPCR 3/5 22/10/2018 PMM 24/10/2018 PMM **IHN QPCR** 0/1 22/10/2018 PMM 24/10/2018 PMM 25/01/2019 PMM **IPN QPCR** 0/1 22/10/2018 PMM 24/10/2018 PMM 25/01/2019 PMM 25/01/2019 PMM **ISA QPCR** 0/1 22/10/2018 PMM 24/10/2018 PMM 25/01/2019 PMM SAV QPCR 1/1 22/10/2018 PMM 24/10/2018 PMM VHS QPCR 0/1 22/10/2018 PMM 24/10/2018 PMM 25/01/2019 PMM Vibrio Sp 5/5 29/10/2018 PMM 29/10/2018 PMM 25/01/2019 PMM 25/01/2019 PMM PMV QPCR 1/1 02/11/2018 PMM PRV QPCR 0/1 02/11/2018 PMM 25/01/2019 PMM PMCH 5/5 13/11/2018 PMM 25/01/2019 PMM 25/01/2019 PMM **AMGD** 1/5 13/11/2018 PMM CGDH 5/5 13/11/2018 PMM 25/01/2019 PMM GPAT 13/11/2018 PMM 25/01/2019 PMM 5/5 25/01/2019 PMM HPAT 3/5 13/11/2018 PMM **CMPS** 25/01/2019 PMM 1/5 13/11/2018 PMM Report Summary 2nd Insp Case Type Date Insp DIA, REP 25/01/2019 PMM JET





Grieg Seafood Shetland Ltd Gremista Lerwick Shetland ZE1 OPX

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS No FB0440 **DATE OF VISIT** 15/10/2018

SITE NO FS1076 SITE NAME Setterness North (Bomlo)

INSPECTOR Paul McKay Case No 20180508

Section 1: Summary

The above site was inspected, following a report from the company of mortality levels above the weekly reporting criteria. A number of moribund fish were observed across the site. Five fish were selected for further examination and subsequent diagnostic sampling.

Histopathology examination revealed mild complex gill pathology with mild proliferative gill hyperplasia and evidence of amoebic cells, likely *Neoparamoeba perurans* the causative agent of amoebic gill disease. Samples tested positive for *Neoparamoeba perurans* by QPCR. One fish showed marked endocarditis with features consistent with cardiomyopathy syndrome (CMS) and the sample tested positive for piscine myocarditis virus, the causative agent of cardiomyopathy syndrome.

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

Vibrio sp. was identified on plates taken from gill and kidney material.

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

Section 2: Case Detail

Observations

The above site was inspected following a report from the company of mortality levels above the weekly reporting criteria during weeks 40 (3.68%) and 41 (1.12%). The site was stocked with approximately 50,000 2017 S1 Atlantic salmon at an average weight of 5.5 kg.

These mortalities were attributed to anaemia, complex gill issues, cardiomyopathy syndrome and post treatment losses. During the site inspection approximately 10 moribund fish were observed in cages 7 and 9. Fewer moribund fish were observed in cages 6 and 12.

Fish two exhibited scale oedema. All five fish sampled were moribund and all had pale gills, with the gills of fish four being zoned and the gills of fish five being slightly necrotic. Fish one, two, three and five all had enlarged spleens. Fish one to three had grey kidneys.

Samples

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

Fish number	Pool number	Facility number	Species	Stage	Origin
1 – 3	1	7	Atlantic salmon	2017 S1 / @5.5kg	Girlsta Hatchery
4	1	9	Atlantic salmon	2017 S1 / @5.5kg	Girlsta Hatchery
5	1	12	Atlantic salmon	2017 S1 / .@5.5kg	Girlsta Hatchery

Results

Bacteriology: Kidney, gill and spleen from fish one to five were inoculated onto appropriate media for the isolation of bacteria.

The following bacteria were isolated from fish gill material of 5/5 fish and kidney material of 2/5 fish

Vibrio sp.

Although the growth level was heavy on the plate taken from gill material of fish 5, overall the bacterial growth was generally light and mixed.

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

Salmon gill poxvirus

Fish Number	Endogenous control Cp value		Cp Values					
F1	20.32	37.49	37.80	37.25	POSITIVE			
F2	20.26	39.90	37.15	38.14	POSITIVE			
F3	-	-	-	-	NEGATIVE			

F4	-	-	-	-	NEGATIVE
F5	20.81	25.44	25.15	25.12	POSITIVE

Piscine myocarditis virus

Pool Number	Endogenous control Cp value		Cp Values		Reported Result (PCR)
P1	16.32	21.14	21.22	21.15	POSITIVE

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

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		Reported Result (PCR)		
F1	20.32	29.67	29.78	29.86	POSITIVE
F2	20.26	31.65	32.24	32.10	POSITIVE
F3	19.95	28.06	27.96	27.90	POSITIVE
F4	21.29	30.01	29.85	30.15	POSITIVE
F5	20.81	26.92	27.17	27.31	POSITIVE

Paranucleospora theridion

Fish Number	Endogenous control Cp value		Reported Result (PCR)		
F1	20.32	33.56	33.72	33.64	POSITIVE
F2	20.26	35.22	34.87	34.28	POSITIVE
F3	19.95	31.72	32.12	31.95	POSITIVE
F4	-	-	-	-	NEGATIVE
F5	20.81	25.52	25.44	25.45	POSITIVE

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

Histopathological examination revealed the following:

<u>Gill</u>: Mild multifocal interlamellar hyperplasia with spaces (lacunae) occasionally filled with cell debris (F1-F5), few lamellar thrombi, prominent goblet cells (F1-F5), small foci of cell necrosis on the hyperplasic plaques noted in F1 and several amoebic cells resembling *Neoparamoeba perurans* and an increase of eosinophilic granular cells (EGC) at the centre of gill filaments were noted in all fish. Few scattered aneurysmal dilation/telangiectasia (F1, F4 & F5) and some free blood among gill filaments noted. Generalized epithelial lifting likely associated with post-mortem artefact.

Skin & Muscle: Small foci of skeletal red fibre degeneration with a pale H&E stain (F4).

<u>Heart</u>: Marked pericarditis noted in F2. Marked diffuse endocarditis and myofibre necrosis at the spongy layer of ventricle (F2). Foci of leucocyte infiltration and fibre degeneration were noted in F3 and F4. F4 also showed some small thrombi.

Gut and pyloric caeca: Marked cell sloughing (likely associated with post-mortem artefact).

Pancreas: Some individual apoptotic acinar cells (F4).

Liver: Mild diffuse hepatic vacuolation (F5).

<u>Kidney</u>: Within normal range/ F1 only head kidney.

Spleen: Small foci of white pulp reduction (F4 & F5).



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: 25/01/2019

FHI 059, Version 12		Issued by: FHI		Date of is	ssue: 08/10/2018
Case No: 2018-0509				Date of visit:	6/10/2018
Time spent on site:	nrs	_	Main Inspector	: P	ИМ
Site No: FS0948 Business No: FB0440	Site Name: Business Name:	Score Holms Grieg Seafood S	Shetland Ltd		
Case Types: 1 REP 2	DIA 3	4	5	6	
Water Temp (°C): 10.4	Thermometer No:	T154		FHI 045 complet	ted
Observations:	Region: SH	Water type	: S	CoGP MA:	S-11
Dead/weak/abnormally behaving f Clinical signs of disease observed Gross pathology observed? Diagnostic samples taken?	•	Y If yes, see	additional inforn	nation/clinical sco nation/clinical sco nation/clinical sco	ore sheet.
UNI/REG only - if unable to carry of	out intended visit deta	il reason below:			

Additional Case Information:

Severe weather at time of inspection, winds gusting to force 9 and large swell (>2m). Inspected cage 1 and removed two lethargic fish for diagnostic sampling. Unable to access remaining cages.

It was reported that only the fish in the west side cages have been affected, these fish are have been in the sea longer (17 S0) and are slightly larger than those on the east side (18 S1) of the site. The decision has been made to harvest the 17 S0 stock and these should be harvested by the end of the week, weather dependant. All harvests are being conducted on site by Johnson Marine. Mortality numbers are dropping as the 17 S0 stock is harvested. At present the 18 S1 stock is not exhibiting the same issues as the 17 S0, but company will closely monitor. Once 17 S0 have been harvested the wellboat will return to Setterness and complete harvesting at Setterness North.

Limited access to the cage was possible due to extreme weather, two fish removed, ~10 dead observed at opposite side of cage, fish removed for sampling had few sea lice.

Health reports have identified complex gill issues and gill damage due to a waterborne insult. GSS conduct daily water samples, but these have not identified any causes for the gill damage. Samples taken by company vet have tested positive for CMS, although clinical signs of CMS have not been observed during health checks.

FHI 059, Version 12			Issu	ued by: FHI			Date of issu	ue: 08/10/2018
Case No:	2018-0509		Site No:	FS094	8			
Date of Visit:		16/10/201	8		Inspector(s)	: PMM]
Registration/Authornal 1. Business/site detail 2. Changes made to	ails summary		site representa	ative?			Y N	}
Site Details								
Total No facilities		10	Facilities sto	ocked	7	No facilitie	es inspected	1
Species	SAL	SAL						
Age group	2017 S0	2018 S1						
No Fish	~85,500	195,500						
Mean Fish Wt	3.3 kg	2.4 kg						
Next Fallow Date (S	site)	Autumn 20	19	Next Input D	ate (Site)	2020 S1		
December (least 4 lea)	Parameter	10			V	. /-! [(:-:\\O	
Recent (last 4 wks) If yes, detail:			tified by QPCF		Y Any escapes	s (since last	VISIT)?	N
		ilo ,oivio idori	unou by Qi Oi					
Movement Record								V
1. Movement record		or inspection?	?				00/00/0040	Y
2. Date of last inspe			10				28/08/2018	Y
 Are records comp Are movement re 		•)				Y
5. Are records comp				•				,
6. Are health certific		•		ahle?				N/A
Transport Records		radoliono (odi	with OD, avail	ubio:				
1. Are any movement		ut by (or on b	abalf) of the bu	reinage (not u	sing a STR\2			
If yes, is there a sys		* '		,	· · · · · ·			
	tom in place	Tor maintena		riation record	J.			
Mortality Records	ovoiloble for	in an action?						V
 Mortality records How are mortalitie 		•			Whole fish -	T\\/\\/\ /Ch	otland)	<u>'</u>
If other detail:	es disposed	OI ?			vvriole listi -	TVVIVIA (SIT	eliariu)	
3. Mortality records	complete and	d correctly en	tered?					Y
		a coco, c		07 (1.7%) (~6	,000 from cag	e 3) for site.	WK39 - 14.3	97 (3.6%) for
), WK40 - 6,87			
4. Recent mortality ((last 4 wks):		(8.54%) for	site - attribute	d to Complex	gills and CM	S.	
5. Evidence of recer	nt increased/	atypical morta	alities?					Y
If yes, facility nos/no	mortality pe	r facility/no st	ock per facility	//reason:				
2017 S0 stock								
6. Any other peaks i	n mortality d	uring period o	hecked?					N
If yes, detail:		(11/1 -		. =				
7. Have increased (unexplained)	mortalities b	een reported to	o vet or FHI?				N/A
If yes, detail action:	(antal base =	operted to EU	II2 If po odd N	ADT coop on a	ontor on mort	ality avanta	choot	Y
8. Have 'mortality ev	veura peen r	eponed to FF	n : n no, add N	in i case and	enter on mort	anty events :	SHEEL.	1

T.M.S.

Biosecurity Records

If other, detail:

5. If yes, what treatment(s)?

6. Are medicines stored appropriately?

- 1. Biosecurity records available for inspection?
- 2. Has the manner and frequency of mortality removal, recording and safe disposal been considered?
- 3. Has the manner and period in which the APB will notify Scottish Ministers or veterinary professional of any *increased (unexplained)* mortality at the site been included?
- 4. Has the action that will be taken in the event that the presence or suspicion of the presence of a listed disease is detected been included and *how* and *when* that will be notified to Scottish Ministers?
- 5. Has the health status of aquaculture animals being stocked on the farm site been covered (equal or higher health status, certification if required)?
- 6. Have the husbandry and biosecurity measures implemented between each epidemiological unit to minimise transmission of disease been covered (movement of staff, visitors, equipment, live or dead fish etc.)?
- 7. Is documentation available regarding the measures in place to maintain the physical containment of aquaculture animals held on site?
- 8. Have the biosecurity procedures been adequately implemented on site?

If no, detail:

Results of Surveillance

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

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

Complex gills due to waterborne insult.

Records checked between:

Sept 2018 to 16/10/18

•	ni 059, version 12							133	sueu by.				
	Case no:	2018-05	509	Site No:		FS0948			Date of Samplin		16/	10/2018	16/
	Priority samples:	VI		ВА		PA		MG		HI			
	Time sampling starts/ends: Environmental conditions:		00:00	15:4 2	0:00	3	Inspecto	or: 4	PMM	5	VMD No	o. 	0
	Summary samples	HIST	Υ	ВА	Υ	MG	Υ	VI	Υ	PA		Total Sa	amples
A	dd Fish/Pools - click												
	Pool/Fish No	F1	F2	P1									
	Fish nos	1	2										
	Pool Group	1	1										
	Species	SAL	SAL	SAL									
	Average weight	3.3 kg	3.3 kg	3.3 KG									
	Sex	N/A	N/A	N/A									
	Water Type	SW	SW	SW									
Stock Details		Girlsta Hatchery	Girlsta Hatchery	Girlsta Hatchery									

1111 000,								.00	aca by.		
10/2018	Addition	nal Sam	ple Infor	mation:							
3		Total Te	ests ass	igned	3	l					

FHI 059, Version 12 Issued by: FHI Date of issue: 08/10/2018

Case no: 2018-0509 Site No: FS0948 Method of killing: Percussive

Case no:	2018-0509		Site No):	FS094	8	M	ethod of	f killing:	Percus	sive
Date of visit:	16/10/2018	B	Inspect	tor(s):	PMM] 8	heet Re	elevant:	Υ
S for strong prese	nce: M for medium presence: W for	weak pres	sence								
Fish Number	noon in tot modiam processes it to	1 1					I			l	
	er death (if > 45 minutes)										
External Signs	,										
Behaviour	Moribund										
	Lethargic	S	S								
	Hanging vertical										
	Spiralling										
	Flashing										
	Loss of equilibrium										
Body	Dark										
	Distended abdomen										
	Anorexic										
	Scale Oedema										
Opercula	Shortened										
Hoomersheesine	Flared										
Haemorrhaging	Throat Ventrum										
	Base of fins										
	Elsewhere										
Eyes	Exophthalmic										
_,	Enophthalmic (sunken)										
	Cataract										
	Haemorrhagic										
Gills	Pale	W	W								
	Zoned										
	Necrotic										
Lesions	Flank										
	Elsewhere										
Vent	Inflamed										
	Trailing faeces										
Lice Load	Estimate numbers	<10	<10								
Internal Signs											
Ascites	Clear										
Ondores	Bloody										
Oedema Hoart	In tissues Pale/anaemic										
Heart	Granulomas										
	Deformed										
Liver	Petechial haem										
_,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Gross haem	w	W								
	Tissue breakdown										
	Enlarged										
	Colour number(s)	4	4								
	Granulomas										
	Lesions										
Pyloric caeca	Petechial haem										
	Tubules mauve										
	Lack of fat										
Spleen	Enlarged	M	S								
	Granulomas										
Gut	No food present										
	Yellow pseudo-faeces	S			_						
	External haem										
5	Internal haem										
Body wall	Haemorrhaging										
Swim bladder	Haemorrhaging										
Kidno:	Fluid filled										
Kidney	Swollen										
	Grey Granular										
	Liquefied										
General	Parasites present										
General	Anaemia										
	Allacilla										

Case no: 2018-0509

Date of visit: 16/10/2018

Date of visit.	10/10/201	<u> </u>					
S for strong presen	nce: M for medium presence: W fo	r w					
Fish Number	<u>'</u>						
	er death (if > 45 minutes)						
External Signs	(
Behaviour	Moribund						
	Lethargic						
	Hanging vertical						
	Spiralling						
	Flashing						
	Loss of equilibrium						
Body	Dark						
Dody	Distended abdomen						
	Anorexic						
	Scale Oedema						
Opercula	Shortened						
Opercula	Flared						
Hoomorrhoging							
Haemorrhaging	Throat Ventrum						
	Base of fins						
Eves	Elsewhere						
Eyes	Exophthalmic						
	Enophthalmic (sunken)						
	Cataract						
Cille	Haemorrhagic						
Gills	Pale						
	Zoned						
	Necrotic						
Lesions	Flank						
	Elsewhere						
Vent	Inflamed		_				
	Trailing faeces						
Lice Load	Estimate numbers		_				
Internal Signs							
Ascites	Clear						
	Bloody						
Oedema	In tissues						
Heart	Pale/anaemic						
	Granulomas						
	Deformed						
Liver	Petechial haem						
	Gross haem						
	Tissue breakdown						
	Enlarged						
	Colour number(s)						
	Granulomas						
	Lesions						
Pyloric caeca	Petechial haem						
	Tubules mauve						
	Lack of fat						
Spleen	Enlarged						
	Granulomas						
Gut	No food present						
	Yellow pseudo-faeces						
	External haem						
	Internal haem						
Body wall	Haemorrhaging						
Swim bladder	Haemorrhaging						
	Fluid filled						
Kidney	Swollen						
	Grey						
	Granular						
	Liquefied						
General	Parasites present						
	Anaemia						

ditional comments:	HI 059, Version 12	Issued by: FHI	Date of issue: 08/10/201
	Additional comments:		

Site No: FS0948
Case No: 2018-0509

Nature of non-compliance:

Action taken (FHI):

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

Case No: 2018-0509 Date of visit: 16/10/2018 Inspector: PMM Site No: FS0948 **Results Summary** Date of Notification Freq. 2nd Insp Database Insp Phone Insp Writing Insp 24/10/2018 PMM AGD QPCR 2/2 22/10/2018 PMM 25/01/2019 PMM JET **IHN QPCR** 0/1 22/10/2018 PMM 24/10/2018 PMM 25/01/2019 PMM JET 25/01/2019 PMM **IPN QPCR** 0/1 22/10/2018 PMM 24/10/2018 PMM JET ISA QPCR 0/1 22/10/2018 PMM 24/10/2018 PMM 25/01/2019 PMM JET PARA THER QPCR 2/2 22/10/2018 PMM 24/10/2018 PMM 25/01/2019 PMM JET SAL POX QPCR 25/01/2019 PMM 0/2 22/10/2018 PMM 24/10/2018 PMM JET SAV QPCR 25/01/2019 PMM 0/1 22/10/2018 PMM 24/10/2018 PMM JET VHS QPCR 0/1 22/10/2018 PMM 24/10/2018 PMM 25/01/2019 PMM JET 29/10/2018 PMM A. salmonicida 1/2 29/10/2018 PMM 25/01/2019 PMM JET 25/01/2019 PMM **PMCH** 2/2 13/11/2018 PMM JET **AMGD** 2/2 13/11/2018 PMM 25/01/2019 PMM JET 25/01/2019 PMM CGDH 2/2 13/11/2018 PMM JET 25/01/2019 PMM **GPAT** 2/2 13/11/2018 PMM **JET KPAT** 1/2 13/11/2018 PMM 25/01/2019 PMM JET LPAT 2/2 13/11/2018 PMM 25/01/2019 PMM JET Report Summary 2nd Insp Case Type Date Insp DIA, REP 25/01/2019 PMM JET





Grieg Seafood Shetland Ltd Gremista Lerwick Shetland ZE1 OPX

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

 Business No
 FB0440
 Date of Visit
 16/10/2018

 Site No
 FS0948
 Site Name
 Score Holms

 Inspector
 Paul McKay
 Case No
 20180509

Section 1: Summary

The above site was inspected, following a report from the company of mortality levels above the weekly reporting criteria. A number of moribund fish were observed across the site. Two fish were selected for further examination and subsequent diagnostic sampling.

Histopathology examination revealed mild complex gill pathology with mild proliferative gill hyperplasia, presence of epitheliocystis and evidences of amoebic cells, likely *Neoparamoeba perurans* the causative agent of amoebic gill disease. Samples tested positive for *Neoparamoeba perurans* by QPCR. Hepatic necrosis was noted and the kidney of one fish showed a granulomatous inflammation.

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

Aeromonas salmonicida was identified on plates taken from kidney material of fish 2. Aeromonas salmonicida is a primary fish pathogen.

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

Section 2: Case Detail

Observations

The above site was inspected following a report from the company of mortality levels above the weekly reporting criteria during week 38 (1.7%), week 39 (3.6%) and week 40 (1.9%). The site

R09

was stocked with 85,500 2017 S0 Atlantic salmon at an average weight of 3.3 kg, 195,000 2018 S1 Atlantic salmon at 2.4 kg and approximately 30,000 lumpsuckers at mixed weight.

These mortalities were attributed to complex gill issues, cardiomyopathy syndrome and post treatment losses. There was large swell and winds gusting to force 9 during the inspection of the site which limited access to one cage (cage one) on site. Two lethargic fish were observed in cage one and 10 dead Atlantic salmon were observed at the opposite side of the cage, although this could not be accessed.

Both fish sampled were lethargic and had pale gills. Both fish had gross haemorrhaging on the liver and enlarged spleens. Fish one had yellow pseudo-faeces.

Samples

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

Fish number	Pool number	Facility number	Species	Stage	Origin
1 & 2	1	1	Atlantic salmon	2017 S0 @ 3.3kg	Taing of Railsborough

Results

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

The following bacteria were isolated from kidney material of fish two

- Aeromonas salmonicida

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

Overall, light mixed growth was observed on plates taken from kidney and gill material.

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), Salmon gill poxvirus (SGPV) 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		Reported Result (PCR)		
F1	22.28	27.28	27.44	27.32	POSITIVE
F2	22.25	26.88	26.86	26.89	POSITIVE

Paranucleospora theridion

Fish Number	Endogenous control Cp value		Reported Result (PCR)		
F1	22.28	34.92	34.96	35.12	POSITIVE
F2	22.25	36.08	36.00	36.46	POSITIVE

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

Histopathological examination revealed the following:

<u>Gill</u>: Mild multifocal interlamellar hyperplasia with spaces (lacunae) occasionally filled with cell debris (F1) and to a lesser extension in F2, few lamellar thrombi, prominent goblet cells, small foci of cell necrosis and haemorrhage on the hyperplasic plaques noted in F1 and rare to several amoebic cells resembling *Neoparamoeba perurans* were noted in F2 and F1. Several basophilic epithelial inclusions (likely epitheliocystis) also noted in F1. Few scattered aneurysmal dilation/telangiectasia noted in F1. Generalized epithelial lifting likely associated with post-mortem artefact.

<u>Skin & Muscle</u>: Sparse isolate skeletal white fibre degeneration and some increase in eosinophilia (F1 & F2).

Heart: Within normal range.

<u>Gut and pyloric caeca</u>: Some foci of fold congestion (F1), presence of bacteria within the intestinal lumen (hindgut) (F2) and cell sloughing.

Pancreas: Within normal range.

Liver: Mild multifocal hepatic necrosis (F1 & F2).

<u>Kidney</u>: Two granuloma-like structures with remains of foreign material (resembling calcareous deposits) and a giant cell noted in F1.

Spleen: Within normal range.



Signed:

Date: 25/01/2019

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