FHI 059, Version 12	lss	sued by: FHI	Date of issue: 08/10/2018
Case No: 2019-0729			Date of visit: 11/12/2019
Time spent on site:	3.5 hours	Main Inspect	or:
Site No: FS0375 Business No: FB0224	Site Name: Business Name:	Loch Damph Torridon Smolts 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 behaving Clinical signs of disease observed Gross pathology observed? Diagnostic samples taken?		N If yes, see additional info	rmation/clinical score sheet. rmation/clinical score sheet. rmation/clinical score sheet.
UNI/REG only - if unable to carry	y out intended visit detail re	eason below:	

Accompanied by vet from APHA for training purposes Fish sampled for VMD appeared healthy

FHI 059, Version 12			Issu	ued by: FHI			Date of issu	ue: 08/10/2018
Case No:	2019-0729]	Site No:	FS0375	3			
Date of Visit:		11/12/2019)		Inspector(s)):]
Registration/Authornal 1. Business/site detaction 2. Changes made to	ails summary		ite representa	ative?			Y Y	}
Site Details								
Total No facilities		20	Facilities sto	cked	9	No facilitie	es inspected	9
Species	SAL							
Age group	Parr							
No Fish	350,659							
Mean Fish Wt	61 g							
Next Fallow Date (S	ite)	March 2020		Next Input Da	ate (Site)	June 2020		
Recent (last 4 wks)	disease proh	lems?		N	Any escape	e (since last	visit)?	N
If yes, detail:	uisease probi	CIII3:			Ally escape.	s (since last	VISIL):	14
Movement Record	s							
1. Movement record	ls available fo	r inspection?						Y
2. Date of last inspe							11/06/2019	
3. Are records comp		ectly entered	?					Y
4. Are movement re		•		?				N/A
5. Are records comp	olete and corr	ectly entered	?					N/A
6. Are health certific		•		able?				N/A
Transport Records	,							
1. Are any moveme		t by (or on be	half) of the bu	usiness (not us	ing a STB)?			
If yes, is there a sys					_			
Mortality Records								
1. Mortality records	available for i	nspection?						Y
2. How are mortalitie	es disposed o	of?			Incinerated -	- on site		
If other detail:								
3. Mortality records	complete and	correctly ent	ered?					Y
4. Recent mortality	(last 4 wks):		4825 (1.4%)) across site, m	iajority attribu	ited to fungu	s	
5. Evidence of recer	nt increased/a	atypical morta	lities?					N
If yes, facility nos/no	mortality per	facility/no sto	ock per facility	/reason:				
6. Any other peaks i	in mortality du	ring period of	hecked?					l N
If yes, detail:	Il Illortanty da	illig period or	ieckeu:					
7. Have increased (unexplained)	mortalities be	en reported to	o vet or FHI?				N/A
If yes, detail action:								
8. Have 'mortality ev	vents' been re	ported to FHI	? If no, add N	IRT case and c	enter on mort	ality events :	sheet.	N/A

FHI 059, Version 12	Issued by: FHI	Date of issue: 08/10/2018
1. Recent treatments (last 4 wks)?		Y
If yes, detail: Formali	n	
If other, detail:		
2. Medicines records available for inspect	on?	Ϋ́
3. Are records complete and correctly enter	ered?	Y
4. Are fish in a withdrawal period?		Y
5. If yes, what treatment(s)?	Formalin	
If other, detail:		
6. Are medicines stored appropriately?		Y
Biosecurity Records		
1. Biosecurity records available for inspec	tion?	
2. Has the manner and frequency of morta	ality removal, recording and safe disposal bee	en considered?
3. Has the manner and period in which the	e APB will notify Scottish Ministers or veterina	ry professional of any

11/06/2019 - 10/12/2019 Records checked between:

FF	11 059, Version 12							ISS	ued by: F	HI			
	Case no:	2019-07	729	Site No:		FS0375			Date of v		11/1	12/2019	
	Priority samples:	VI		ВА		PA		MG		J. HI			
	Time sampling starts/ends:		0:00		0:00		Inspecto	or:		F	VMD No	o.	11
	Environmental conditions:	1	Indoors	2		3		4	_	5			
	Summary samples	HIST		ВА		MG		VI	ı	PA		Total Sa	mples
A	dd Fish/Pools - click												
	Pool/Fish No												
	Fish nos	1-9	10-18	19-24	25-33								
	Pool Group												
	Species	SAL	SAL	SAL	SAL								
	Average weight	0.0600	0.0600	0.0600	0.0600								
	Sex	N/A	N/A	N/A	N/A								
	Water Type	FW	FW	FW	FW								
		ery	ery	ery	ery								
		tç	tch	tch	tch								
ails		hai	hai	hai	hai								
Details		as	as	as	as								
		Barvas hatchery	Barvas hatchery	Barvas hatchery	Barvas hatchery								
Stock	Stock Origin												
S	Facility No	4	6	9	18								

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

Case No:	2019-0729	Date of visit: 11/12/2019							
Site No:	FS0375	l		Inspector:		l			
Results Summary	Freq.			Dat	te of Notificat	tion			
		Database	Insp	Phone	Insp	Writing	Insp	2 nd Insp	
Poport Cummon									
Report Summary Case Type	Dete	lnen	ond .						
Case Type	Date	Insp	2 nd Insp						
VMD	12/12/2019								





Torridon Smolts Ltd Shieldaig Strathcarron Ross-shire IV54 8XN

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS NO FB0224 SITE NO FS0375 INSPECTOR DATE OF VISIT 10/12/2019
SITE NAME Loch Damph
CASE NO 20190729

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

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

Samples were taken to be analysed for veterinary residues.

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

Records

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

Medicine records were inspected and found to be adequately maintained.

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

Mortality records were inspected and found to be adequately maintained.

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

Signed: Date: 12/12/2019
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

FHI 059, Version 12		Issued by: FHI	D	ate of issue: 08/10/2018
Case No: 2019-0730			Date of vi	isit: 11/12/2019
Time spent on site: 4.	5 hours	Ma	ain Inspector:	
Site No: FS0248 Business No: FB0119	Site Name: Business Name:	Loch Duich Mowi Scotland Ltd		
Case Types: 1 ECI	2 CNI 3 SLI	4 VMD 5	6	
Water Temp (°C): 9.5	Thermometer No:	T147	FHI 045 d	completed
Observations:	Region: HI	Water type:	S CoGP	MA M-21
Dead/weak/abnormally behaving Clinical signs of disease observed Gross pathology observed? Diagnostic samples taken?		N If yes, see add	litional information/clini litional information/clini litional information/clini	ical score sheet.
UNI/REG only - if unable to carry	out intended visit deta	il reason below:		

Wild caught wrasse and farmed lumpsuckers stocked on site.

Adult female sea lice have been above CoGP suggested criteria for treatment intermittently since September 2019, in all cases numbers have fallen below suggested criteria treatment within 1-2 weeks. During the previous production cycle counts above 3 had been recorded and reported to FHI.

Themolicer treatment being carried out during inspection.

1 dead lumpfish and 2 dead wrasse observed in one cage where net had been lifted in preparation for crowding fish before hydrolicer treatment.

Fish sitting low in water. Visibility extremely poor during inspection of cages 1-6 due to hail.

Fish sampled for VMD appeared healthy.

FHI 059, Version 12			Issu	ed by: FHI			Date of issue	e: 08/10/2018		
Case No:	2019-0730		Site No:	FS0248						
Date of Visit:		11/12/201	19		Inspector(s):			1		
Registration/Autho	risation Deta	ails								
 Business/site deta Changes made to 		checked by	site representa	ative?			Y N			
Site Details										
Total No facilities		12	Facilities sto	cked	12	No facilities	s inspected	12		
Species	SAL	WRA	LUM							
Age group	2019 Q1	2019	2019							
No Fish	693,417	32,726	23,157							
Mean Fish Wt	2.35 kg	Mix	Mix							
Next Fallow Date (S	ite)	August 202	20	Next Input Da	ite (Site)	2021 Q1				
`	,			_	1					
Recent (last 4 wks)				Y	Any escapes	(since last)	visit)?	N		
If yes, detail:	Anaemia, Ri	ckettsia, PF	RV							
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 movement If yes, is there a systematical and the statement of the system of			•	•	_			N		
Mortality Records										
1. Mortality records a	available for i	nspection?						Y		
2. How are mortalitie					Ensiled - on:					
If other detail:			- whole fish trar	nsported to Dur	ndas by Billy B	Bowie.				
3. Mortality records of	complete and	correctly er		0057 (0.540	() " 10/11/	10 05 000	(0.500()) "	Υ		
4. Recent mortality (last 4 wks):			9 - 3957 (0.54% 6), w/b 02/12/19	,,	•	(3.58%), W/b	25/11/19 -		
5. Evidence of recen	nt increased/a	typical mort	alities?					Y		
If yes, facility nos/no		•								
w/b 18/11/19 25 966				_	•	•	000 - 2500 pe	r cage. Cage		
6 worst affected with				on thermolicer	during treatme	ent.		N		
Any other peaks in If yes, detail:	n mortality du	ring period	cnecked?					N		
7. Have increased (u	inexplained)	mortalities b	een reported to	o vet or FHI?				Y		
(3	.,		o FHI, pump fix		cer, thermolic	er has been	treating agai	n since		
If yes, detail action:			with no increase							
8. Have 'mortality ev	ents' been re	ported to FI	H? If no, add №	IRT case and e	enter on morta	lity events s	heet.	Y		

FHI 059, Version 12	Issued by: FHI	Date of issue: 08/10/2018
Recent treatments (last 4 wks)? If yes, detail: T.M.:	S	Y
If other, detail:		
2. Medicines records available for inspe		Y
3. Are records complete and correctly e	entered?	Y
4. Are fish in a withdrawal period?	TVO	
5. If yes, what treatment(s)?	T.M.S.	
If other, detail: 6. Are medicines stored appropriately?		Y
Biosecurity Records	4	N. M.
1. Biosecurity records available for insp		Y
	ortality removal, recording and safe disposal been	
3. Has the manner and period in which increased (unexplained) mortality at th	the APB will notify Scottish Ministers or veterinary	professional of any
increased (unexplained) mortality at the	e site peeri iriciuded:	
	ne event that the presence or suspicion of the presed when that will be notified to Scottish Ministers?	sence of a listed disease Y
	animals being stocked on the farm site been cover	ered (equal or higher
health status, certification if required)?	animals being stocked on the farm site been series	sieu (equal of fligher
•	measures implemented between each epidemiolo (movement of staff, visitors, equipment, live or dea	
	g the measures in place to maintain the physical co	
aquaculture animals held on site?	, and modelines in place to maintain a	
8. Have the biosecurity procedures bee	en adequately implemented on site?	Y
If no, detail:		
Results of Surveillance		
1. Has any animal health surveillance to	peen carried out by, or on behalf of, the business?	Y
2. If yes, are results available for inspec	· ·	Y

See above under recent disease problems, also noted plankton challenge during September 2019.

3. Any significant results?

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

Records checked between:

07/06/2017 - 11/12/2019

П	ni 059, version 12							155	ueu by. Fr	Ш			
	Case no:	2019-07	730	Site No:		FS0248			Date of vis		11/	12/2019	
	Priority samples:	VI		ВА		PA		MG		н			
	Time sampling starts/ends:		0:00		0:00		Inspecto	or:			VMD No	o. 	22
	Environmental conditions:	1	Indoors	2		3		4		5			
	Summary samples	HIST		ВА		MG		VI	P.	Α		Total Sa	amples
A	dd Fish/Pools - click												
Г	Pool/Fish No												
	Fish nos	1	2	3	4	5							
	Pool Group												
	Species	SAL	SAL	SAL	SAL	SAL							
	Average weight	2.3500	2.3500	2.3500	2.3500	2.3500							
	Sex	N/A	N/A	N/A		N/A							
	Water Type	SW	SW	SW	SW	SW							
Stock Details		tion	ο Lochailort Recirculation Hatchery	ion		Carbailort Recirculation Hatchery							

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

FHI 059, Version 12		Issued	by: FHI			Date o	of issue	: 08/10/2018
Case Number:	2019-0730			Site No:	FS0248		Insp:	
Date of Visit	11/12/2019			No of me	ovements/s	upp./dest.		Score
Live fish movements				0	1-5	6-10	>10	
Movements on (from out	Frequency of n	novements on from equiva	alent MS	0	5	10	14	5
with GB) of susceptible species		novements on from equiva	alent zone or	0	9	18	26	
·	Number of sup	ncluding third country		0		10	14	5
Movements off	Frequency of n	novements off		0	3	6	10	10
Movements on	Number of des			0		6	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)	farms upstrean	or in a coastal zone with or within 1 tidal excursio	n	1	2	4		1
	farms upstrean	or in a coastal zone with n or within 1 tidal excursio	n	1	3	6		ш
		or in a coastal zone with or within 1 tidal excursion		1	4	8		ш
Management practices				None	Secure	Unsecure		
Water contacts with processors	Any processing	plant discharging into ac	ljacent waters	0	1	2		0
On farm processing within the rules of the directive	No on farm pro			0				0
	Processing ow	n fish (re-cycling risk)		1				
		from MS of equivalent st		2				
	equivalent stat		ent of	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	1			0
products	Common proce	esses with other farms		3	1			ш
	Collection poin	for waste from other farr	ns	5				
Use of unpasteurised feeds	No feeding of u	npasteurised feed		0	i I			0
	Feeding unpas	teurised feed		5				ш
Biosecurity		Nu	mber of sites	1	2 or 3	≥ 4		
Contacts with other sites	Sites operating	from single shorebase		0	1	2		1
	Sites sharing s	taff and equipment		0	1	2		0
Disinfection of equipment	Yes			0	1			0
between sites, use of footbaths etc	No			1				ш
CoGP/Regulator				· · · · ·	1			
Practices in accordance	Yes			0]			0
with regulator or industry code of practice	No			3				
Platform access to cages	Yes			0	1			0
	No			2				
						Total Rank		25 MEDIUM

Case No:	2019-0730		Site	e No:	FS0248		
Sea Lice Inspection (s in the previous 4 years	s?				N
•	•	equivalent) fallowed syn		single ye	ear class basis?		Υ
3. Does the site have a azamethiphos and ema can these be deployed	access to a range of licamectin benzoate) as in a reasonable perio	enced in-feed and bath well as access to suitab d of time?	sea lice medicati	ions (inc /or mech	cluding deltamethrin, nanical control measu	ures, and	Υ
4. Is there a signed doo Management Area (or o		gement agreement or sta	tement relevant	to the sit	te and CoGP Farm		Y
5. Are sea lice count re	cords available for ins	spection? (Legal SSI, Co	GP Annex 6)				Υ
6. Do records adequate	ely reflect the required	standard specified in th	e SSI and the Co	oGP? (Le	egal SSI, CoGP Anne	ex 6)	Υ
7. Are sea lice (L. salm records are inspected?		elow the suggested criter	ia for treatment i	n the Co	GP during the period	l that	N
_	•	<i>lmonis</i>) numbers per fisl od that records are insp		of 3 or a	bove (prior to w/b 10	/6/19) or	Y
If yes, have these beer	reported to the Fish	Health Inspectorate? If n	o, FHI see comn	nent.			Υ
9. Is C. elongatus infes	station at a level which	is considered to cause	significant welfar	re proble	ems? (CoGP 4.3.81, 5	5.3.50)	N
		istered or other actions belongatus is considered					Υ
11. Has any other actio	on been taken (where	applicable)?					Υ
12. Have therapeutic tr	eatments or the action	ns taken had a significar	t impact upon the	e lice lev	els recorded?		Υ
13. Are treatments, who	ere conducted, carried	d out in cooperation betw	veen participating	farms?			Υ
		where fewer population				nt for	Υ
15. Is there a site spec scenarios during the es		ement procedure with wiinfestation?	aypoints describi	ng set a	ctions to deal with red	cognised	Y
16. Do the sea lice leve	els observed on stock	s reflect sea lice count d	ata? If no please	detail re	easons.		Υ
Containment Inspecti	on						
1. Has the site experien	nced equipment dama	ige due to predators in ti	he current or prev	vious pro	oduction cycles?		N
2. Are measures in pla	ce to mitigate against	the predation experience	ed on site? (Deta	il below))		Υ
Top nets, tensioned	nets (HDP nets), se	al blinds, A.D.D. availa	able but not cur	rently us	sed.		
If other, detail below:							
2. Have seems inside	nto ar avente been av	norionand on or in the vi	sinity of the site of	ninaa tha	lest EULinenestien?		N
•		perienced on or in the vi	cinity of the site s	since the	ast Fri inspection?		•
If Yes proceed with que 4. Have these been rep		•				I	
5. Have these been rep	ported to local DSFB f	orthwith (where they exis	st)? (CoGP – 4.4	1.37, 5.4.	.17)		
6. Have these been rep	ported to the SSPO ar	nd local fisheries trusts fo	orthwith (where th	ney exist	t)? (CoGP – 4.4.37, 5	5.4.17)	
7. Were methods (if an	y) used to recover es	capees? If yes give deta	il				
8. If aill nets were denle	oved was this action a	greed with local wild fish	interests and wa	as permi	ission given by Scotti	sh	
Ministers? (Legal, CoG		g. Journal Hotel Wild Hal	torooto and we	LO POITIII	Join given by ocolu		
9. What action was tak	en to prevent and min	imise the risk of further	escapes? (Not co	overed in	code but could		
be considered under	r satisfactory measu	res of the Act)					
10. Is the site inspected	d as satisfactory with	regards to containment?	If no, please det	ail reasc	on(s)		Υ

Issued by: FHI

FHI 059, Version 12

Date of issue: 08/10/2018

FHI 059, Version 12		Issued by: FHI		Date of issue: 08/10/2018
Case No: 2019-073	Site No:	FS0248		
Date of Visit:	11/12/2019	Inspector:	_	
Point of Compliance				
1. Is the farm under inspec	tion located within a far	m management area	?	Y
If N, no further questions re	equire completion.			
Points of Compliance for	Both Farm Manageme	ent Agreements and	d Statements	
 2. Has a current farm man. 3. Is the current FMAg/S at 4. Does the FMAg/S identif 5. Does the FMAg/S identif 6. Does the FMAg/S identif 7. Does the FMAg/S identif 	vailable for inspection? fy the relevant farm mar fy the fish farm site(s) to fy the date of commence	nagement area? o which it applies?		Y Y Y Y Y
Arrangements for Fish H	ealth Management			
8. Does the FMAg/S identification?	fy the minimum health s	tandards for the stoc	ks to be introduced to the are	a or N
 Does the FMAg/S identif Does the FMAg/S identif Does the FMAg/S identified individual farm? 	tify the species of fish w	hich may be stocked		Y Y Y
12. Does the FMAg/S identifish farm in the area or the		r the storage and dis	posal of any dead fish from a	ny Y
Arrangements for The Ma	anagement of Sea Lice)		
13. Does the FMAg/S iden	tify arrangements for the	e sharing of data on s	sea lice numbers and treatme	nts?
14. Does the FMAg/S identified of statement?	tify the availability and th	ne use of medicines of	on farms covered by the agree	ement Y
15. Does the FMAg/S identice on farms in the area or		r the sensitivity testin	g of available treatments for s	
	tify the circumstances u	nder which biological	controls and cleaner fish are	to be Y
		r synchronous treatm	nents on farms within the area	a? Y
Live Fish Movements				
area or farm?		·	introduced or removed from t	

FHI 059, Version 12	Issued by: FHI	Date of Issue: 08/10/20
Harvesting		
20. Does the FMAg/S identify acceptab	ole harvest practices on farms in the area or indi	vidual farms?
Fallowing		
21. Does the FMAg/S identify the dates date when a farm or area may be resto	s by which the area or individual farm will be fallo	ow and the earliest Y
22. Does the FMAg/S identify whether of agreement or statement?	one or more year classes may be stocked onto	sites 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 kep t?	ot on any site
Point of Compliance for Farm Manag	gement Agreements Only	
24. Does the farm management agreer parties to the agreement?	ment include arrangements for persons to becor	me, 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	statement?
26. What is the version no/date of issue	e of the FMAg/S? 12/01/2019	

Case No:	2019-0730			Date of visit:	11/12/2019						
Site No:	FS0248	ı	Inspector:								
Results Summary	Freq.			Da	te of Notificat	tion					
		Database	Insp	Phone	Insp	Writing	Insp	2 nd Insp			
	1										
	 										
Report Summary											
Report Summary Case Type	Date	Insp	2 nd Insp								
ECI,CNI,SLI,VMD	19/12/2019	шэр	2 insp								
LOI,OIVI,OLI,VIVID	10/12/2010										
	 										
	1										
	1										
	1										
	1										
	1										
	1										





Mowi 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 FS0248
Inspector

DATE OF VISIT 11/12/2019
SITE NAME Loch Duich
CASE NO 20190730

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 2015

Medicine records were inspected and found to be adequately maintained.

Samples were taken to be analysed for veterinary residues.

Inspection under the Aquaculture and Fisheries (Scotland) Act 2007

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

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

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

Signed:

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: 19/12/2019

FHI 059, Version 12		Issued by: FHI	Date of is	ssue: 08/10/2018
Case No: 2019-0731			Date of visit:	03/12/2019
Time spent on site:	hr	Main	Inspector:	
Site No: FS0076 Business No: FB0169	Site Name: Business Name:	Barvas Hatchery The Scottish Salmon	Company	
Case Types: 1 ECI	2 CNI 3 VMD	4 MIX 5	6	
Water Temp (°C): 5.7	Thermometer No:	T205	FHI 045 complet	ed
Observations:	Region: WI	Water type: F	CoGP MA	
Dead/weak/abnormally behaving Clinical signs of disease observe Gross pathology observed? Diagnostic samples taken?		N If yes, see addition	onal information/clinical sco onal information/clinical sco onal information/clinical sco	ore sheet.
UNI/REG only - if unable to carry	out intended visit detai	I reason below:		

All import certificates checked as originals.

Site is using Aquacen.

FHI 059, Version 12			Issu	ıed by: FHI			Date of issu	e: 08/10/2018		
Case No:	2019-0731		Site No:	FS0076						
Date of Visit:		03/12/2019	Đ.		Inspector(s):]		
Registration/Authornal 1. Business/site deta 2. Changes made to	ails summary		site representa	ative?			Y Y	}		
Site Details			-			-				
Total No facilities Species	SAL	51 tanks + 1 hatchery SAL	Facilities sto	ocked	1 hatchery, 10 tanks	No facilitie	s inspected	51 tanks + 1 hatchery		
Age group	Alvins	Parr								
No Fish	440,000	250,000								
Mean Fish Wt	0.18g	30g								
Next Fallow Date (S	ite)	N/A		Next Input Da	ate (Site)	January 20	020			
Recent (last 4 wks) If yes, detail:	disease prob	olems?		N	Any escapes	(since last	visit)?	N		
Movement Record	<u> </u>									
1. Movement record 2. Date of last inspe 3. Are records comp 4. Are movement re 5. Are records comp 6. Are health certific	s available fo ction: blete and cor cords availal blete and cor	rectly entered ble for dead fis rectly entered	? sh and waste? ?				01/03/2017	N Y Y Y		
Transport Records 1. Are any movement of the second secon	nts carried o			•	_			Y		
Mortality Records 1. Mortality records	available for	inspection?						Y		
2. How are mortalitie		•			Ensiled - on	site				
If other detail:			10							
Mortality records Recent mortality (•	d correctly ent		cross the whole	e site for Nove	mher		Y		
 4. Recent mortality (last 4 wks): 119 morts across the whole site for November 5. Evidence of recent increased/atypical mortalities? 										
If yes, facility nos/no mortality per facility/no stock per facility/reason:										
6. Any other peaks i								Y		
If yes, detail:			•	or quality, Septe orted in April 20		ber 2019 sli	ghtly increase	d numbers,		
7. Have increased (N/A		
If yes, detail action:		an anta di ta El II	016	1DT '		1:4 4.	la a t			
8. Have 'mortality ev	ents been r	eported to FH	r it no, add N	iki case and e	enter on morta	anty events s	sneet.	Y		

FHI 059, Version 12	Issued by: FHI	Date of issue: 08/10/2018
Recent treatments (last 4 wks)? If yes, detail:		N
If other, detail:		
Medicines records available for inspec		Y
Are records complete and correctly er	itered?	Y
4. Are fish in a withdrawal period?		Y
5. If yes, what treatment(s)?	Formalin, Pyceze	
Aquacen If other, detail: used on site		
6. Are medicines stored appropriately?		Y
Biosecurity Records		
 Biosecurity records available for inspe Has the manner and frequency of mon Has the manner and period in which the 	rtality removal, recording and safe disposal beer he APB will notify Scottish Ministers or veterinar	
increased (unexplained) mortality at the	site been included?	Y
	event that the presence or suspicion of the pre when that will be notified to Scottish Ministers?	sence of a listed disease Y
Has the health status of aquaculture a health status, certification if required)?	nimals being stocked on the farm site been cov	rered (equal or higher Y
•	neasures implemented between each epidemiol novement of staff, visitors, equipment, live or de	
7. Is documentation available regarding aquaculture animals held on site?	the measures in place to maintain the physical of	containment of Y
8. Have the biosecurity procedures been lf no, detail:	adequately implemented on site?	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?

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

Records checked between:

3. Any significant results?

1/3/2017-3/12/2019

	11 059, Version 12							153	sueu by.				
	Case no:	2019-07	731	Site No:		FS0076	5		Date of		03/	12/2019	03/
	Priority samples:	VI		ВА		PA		MG	Samplin	ig: HI		1	
	Time sampling starts/ends:	11:3	80:00	13:3	0:00	l	Inspect	or:		l	VMD No	р. [20
	Environmental conditions:	1	Indoors	2		3		4		5			
	Summary samples	HIST		ВА		MG		VI		PA		Total Sa	mples
A	dd Fish/Pools - click												
	Fish nos	1-12	13-27	28-44	45-61	62-77	78-93	94-109	110-117	118-12	126-146	3	
	Pool Group												
	Species	SAL											
	Average weight	30g											
	Sex	N/A		N/A		N/A		N/A	N/A	N/A	N/A		
	Water Type	FW											
Stock Details		Geocrab Hatchery											
St	Facility No	33	34	13	8	6	4	3	2	1	15		

12/2019 Additional Sample Information:													
0		Total To	ests ass	ianed	0	1							

FHI 059, Version 12		Issued	by: FHI			Date o	of issue	: 08/10/2018
Case Number:	2019-0731			Site No:	FS0076		Insp:	
Date of Visit	03/12/2019			No of mo	ovements/s	upp./dest.		Score
Live fish movements				0	1-5	6-10	>10	
Movements on (from out	Frequency of m	novements on from equiva	alent MS	0	5	10	14	5
with GB) of susceptible species		novements on from equivancluding third country	alent zone or	0	9	18	26	
·	Number of sup			0		10	14	5
Movements off	Frequency of m	novements off		0	3	6	10	10
Wovernorms on	Number of desi			0		6	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)	farms upstream	or in a coastal zone with or within 1 tidal excursio	n	1	2	4		1
	farms upstream	or in a coastal zone with n or within 1 tidal excursio	n	1	3	6		ш
		or in a coastal zone with or within 1 tidal excursio		1	4	8		ш
Management practices				None	Secure	Unsecure		
Water contacts with processors	Any processing	plant discharging into ad	ljacent waters	0	1	2		0
On farm processing within the rules of the directive	No on farm pro			0				0
	Processing own fish (re-cycling risk)							
	Processing fish	from MS of equivalent st	atus	2				
	Processing fish equivalent statu	ent of	4					
		from Category III farm		8				
	Processing fish	from Category ∨ farm		10				\Box
Disposal of fish and fish by-	Site's own was	te only processed.		0]			0
products	Common proce	esses with other farms		3				$\overline{}$
	Collection point	t for waste from other farn	ns	5				
Use of unpasteurised feeds	No feeding of u	npasteurised feed		0	j			0
	Feeding unpas	teurised feed		5				
Biosecurity		Nu	mber of sites	1	2 or 3	≥ 4		
Contacts with other sites	Sites operating	from single shorebase		0	1	2		0
	Sites sharing st	taff and equipment		0	1	2		0
Disinfection of equipment	Yes			0	1			0
between sites, use of footbaths etc	No			1				ш
CoGP/Regulator					,			
Practices in accordance	Yes			0				0
with regulator or industry code of practice	No			3				
Platform access to cages	Yes			0	1			0
	No			2				
						Total Rank		24 MEDIUM

Case No:	2019-0731	Sit	te No:	FS0076	
•	(Seawater Sites Only) enced sea lice problems in the previous 4 y	/ears?			
2. Is the CoGP Farm I	Management Area (or equivalent) fallowed	synchronously on a	single ye	ear class basis?	
azamethiphos and em	access to a range of licenced in-feed and benamectin benzoate) as well as access to so d in a reasonable period of time?	uitable biological and	d/or mech	nanical control measure	es, and
Management Area (or					
5. Are sea lice count r	records available for inspection? (Legal SS	I, CoGP Annex 6)			
6. Do records adequa	tely reflect the required standard specified	in the SSI and the C	oGP? (Le	egal SSI, CoGP Annex	6)
7. Are sea lice (L. salr records are inspected	monis) record levels below the suggested of (CoGP Annex 6)	criteria for treatment	in the Co	GP during the period t	hat
	t female sea lice (<i>L. salmonis</i>) numbers pe 10/6/19) during the period that records are		l of 3 or a	bove (prior to w/b 10/6	/19) or
If yes, have these bee	en reported to the Fish Health Inspectorate	? If no, FHI see com	ment.		
9. Is C. elongatus infe	estation at a level which is considered to ca	ause significant welfa	are proble	ems? (CoGP 4.3.81, 5.3	3.50)
	treatments been administered or other active treatment or where <i>C. elongatus</i> is consider				
11. Has any other acti	ion been taken (where applicable)?				
12. Have therapeutic t	treatments or the actions taken had a signi	ficant impact upon th	ne lice lev	els recorded?	
13. Are treatments, wi	here conducted, carried out in cooperation	between participatin	g farms?		
14. Is there a harvesti sea lice?	ing strategy for the site, where fewer popula	ations or part popula	tions are	held without treatment	for
	cific written lice management procedure wi escalation of a sea lice infestation?	th waypoints describ	oing set a	ctions to deal with reco	gnised
16. Do the sea lice lev	vels observed on stocks reflect sea lice cou	unt data? If no please	e detail re	easons.	
Containment Inspec	tion				
•	enced equipment damage due to predators	in the current or pre	evious pro	oduction cycles?	N
2. Are measures in pla	ace to mitigate against the predation experi	ienced on site? (Deta	ail below))	Υ
If other, detail below	r.				
site inside, outside tar	nks with covers, rentokill				
3. Have escape incide	ents or events been experienced on or in the	he vicinity of the site	since the	e last FHI inspection?	N
	uestions 4 – 9. If No skip to question 10				
4. Have these been re	eported to Scottish Ministers?				
5. Have these been re	eported to local DSFB forthwith (where they	exist)? (CoGP - 4.4	4.37, 5.4.	.17)	
6. Have these been re	eported to the SSPO and local fisheries trus	sts forthwith (where t	they exist)? (CoGP – 4.4.37, 5.4	.17)
7. Were methods (if a	ny) used to recover escapees? If yes give	detail			
8 If all nets were den	ployed was this action agreed with local wild	d fish interests and w	/as nermi	ssion given by Scottish	
Ministers? (Legal, Co			. ac poinii	2.5.011 given by cookiesi	
9. What action was ta	ken to prevent and minimise the risk of furt	ther escapes? (Not c	overed in	code but could	
be considered under	er satisfactory measures of the Act)				
10. Is the site inspecte	ed as satisfactory with regards to containm	ent? If no, please de	tail reasc	on(s)	Υ

Issued by: FHI

Date of issue: 08/10/2018

FHI 059, Version 12

Site No: FS0076

Case No: 2019-0731

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

Case No:	2019-0731			Date of visit:	03/12/2019						
Site No:	FS0076	1	Inspector:								
Results Summary	Freq.			Dat	te of Notifica	tion					
		Database	Insp		Insp	Writing	Insp	2 nd Insp			
Report Summary											
Case Type	Date	Insp	2 nd Insp								
ECI, CNI, VMD MIX	19/12/2019										
MIX	19/12/2019										
			T								





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

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS NO FB0169 SITE NO FS0076 INSPECTOR DATE OF VISIT 03/12/2019
SITE NAME Barvas Hatchery
CASE NO 20190731

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

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 / were not available for inspection.

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

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

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

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

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

Medicine records were inspected and found to be adequately maintained.

Samples were taken to be analysed for veterinary residues.

Inspection under the Aquaculture and Fisheries (Scotland) Act 2007

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

On this occasion the site was found to be satisfactory.

Please contact myself or the duty inspector should you require any 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

FHI 059, Version 12		Issued by: FHI	Date of issue: 08/10/2018
Case No: 2019-0732			Date of visit: 03/12/2019
Time spent on site:	h	Main Insp	ector:
Site No: FS0562 Business No: FB0169	Site Name: Business Name:	Geocrab Hatchery The Scottish Salmon Com	pany
Case Types: 1 ECI	2 CNI 3 VMD	4 MIX 5 DIA	6
Water Temp (°C): 6.8	Thermometer No:	T205	FHI 045 completed
Observations:	Region: WI	Water type: F	CoGP MA
Dead/weak/abnormally behaving fish present? Clinical signs of disease observed? Gross pathology observed? Diagnostic samples taken? Y If yes, see additional information/clinical score sheet. Y If yes, see additional information/clinical score sheet. Y If yes, see additional information/clinical score sheet.			nformation/clinical score sheet.
UNI/REG only - if unable to carry out intended visit detail reason below:			

Hatchery got flooded in September, tanks affected by flood were empty. Tanks with fish at the time were not affected by the flooding. Majority of the site is intact, however one unit currently not operational but hope to be up and running again by summer 2020. Cause of the flooding was heavy rain. Old movement record book was affected by the flood and has been damaged. Copies of pages collected as best as possible.

One certificate from Norway for 2018 checked as original.

Fish from Barvas treated with Aquacen and Pyceze before they were moved to Geocrab.

Paperwork, site inspection and VMD samples collected on 3/12/2019 and diagnostic sample collected on 4/12/2019.

FHI 059, Version 12			Issu	ed by: FHI			Date of issu	e: 08/10/2018
Case No:	2019-0732		Site No:	FS0562				
Date of Visit:		03/12/2019			Inspector(s):]
Registration/Autho	risation Deta	iils						
1. Business/site deta	ails summary	checked by si	te representa	tive?			Y	1
2. Changes made to	details?						N]
Site Details		1 hatchery +				,		1 hatchery +
Total No facilities		•	Facilities sto	rked	4 tanks	No facilitie	s inspected	47 tanks
Species	SAL		r dominos sto	i i i i i i i i i i i i i i i i i i i		Tto Idollico	I	
Age group	parr							
No Fish	582,000							
Mean Fish Wt	37g							
Next Fallow Date (S	ite)	none		Next Input Da	ite (Site)	December	2019	
·	,				1			
Recent (last 4 wks)					Any escapes	(since last	visit)?	N
If yes, detail:	some fungus	but not causi	ing mortality a	at the moment				
Movement Records	S							
1. Movement record	s available for	r inspection?						Y
2. Date of last inspe		·					13/02/2018	
3. Are records comp	lete and corre	ectly entered?						Y
4. Are movement re-	cords availabl	e for dead fish	h and waste?					Y
Are records comp		•						Y
6. Are health certific	ates for introd	luctions (outwi	ith GB) availa	ıble?				Y
Transport Records	•							
1. Are any movemen	nts carried out	by (or on beh	nalf) of the bu	siness (not usi	ing a STB)?			Y
If yes, is there a syst	tem in place f	or maintenand	ce of transpor	tation records?	?			Y
Mortality Records								
1. Mortality records a	available for ir	nspection?						Y
2. How are mortalities	es disposed of	f?			Ensiled - on s	site		
If other detail:								
3. Mortality records	complete and							Y
4. Recent mortality (last 4 wks):			0 per tank per tanks detailed	•	e site for the	e last month,	a few
5. Evidence of recer	nt increased/a	typical mortali	ties?					Y
If yes, facility nos/no	mortality per	facility/no stoo	ck per facility/	reason:				
wk47 - tank 103 171		•						_
the large tanks well	and getting รเ	icked up the o	centre pipe, in	stalled oxygen	diffusers in c	entre pipe n	low to try and	avoid this
problem. 6. Any other peaks in	n mortality du	ring paried ab	aakad2					N
If yes, detail:	i inortality du	ning peniod ch	eckeu!					IN
7. Have increased (u	unexplained)	mortalities bee	en reported to	vet or FHI?				N/A
If yes, detail action:	onpianioa) i		roportou to					,, ,
8. Have 'mortality ev	ents' been re	ported to FHI?	? If no, add M	RT case and e	enter on morta	lity events s	sheet.	Y

FHI 059, Version 12	Issued by: FHI	Date of issue: 08/10/2018
Recent treatments (last 4 wks)? If yes, detail:		N
If other, detail: 2. Medicines records available for inspects. 3. Are records complete and correctly en		Y
4. Are fish in a withdrawal period? 5. If yes, what treatment(s)?	Formalin, Pyceze	
If other, detail: Aquacen	i omiain, i yeeze	
6. Are medicines stored appropriately?		Y
• •	ection? rtality removal, recording and safe disposal bee he APB will notify Scottish Ministers or veterina	
increased (unexplained) mortality at the		Y
	e event that the presence or suspicion of the prowhen that will be notified to Scottish Ministers?	
5. Has the health status of aquaculture a health status, certification if required)?	animals being stocked on the farm site been co	overed (equal or higher Y
•	neasures implemented between each epidemic movement of staff, visitors, equipment, live or d	
Is documentation available regarding taguaculture animals held on site?	the measures in place to maintain the physical	containment of Y
8. Have the biosecurity procedures been If no, detail:	adequately implemented on site?	Y
Results of Surveillance		
Has any animal health surveillance be If yes, are results available for inspecti	een carried out by, or on behalf of, the business ion?	s? Y

10/10/19 HSS on site causing slightly elevated mortalities (from single digits per pen per day to double digits starting wk41)

HSS

13/02/2018 - 03/12/2019

3. Any significant results?

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

Records checked between:

fish were transferred off site to SW by the end of October.

	11 059, Version 12							153	ueu by.				
	Case no:	2019-07	732	Site No:		FS0562			Date of Samplin		03/	12/2019	04/
	Priority samples:	VI		ВА		PA		MG		g. HI		l	
	Time sampling starts/ends:		0:00		0:00		Inspecto	or:			VMD No	o. [20
	Environmental conditions:	1	Indoors	2		3		4		5			
	Summary samples	HIST	Υ	ВА	Υ	MG	Y	VI	Υ	PA	Υ	Total Sa	mples
A	dd Fish/Pools - click												
	Pool/Fish No	F1	F2	F3	F4	F5	P1						
	Fish nos	1	2	3		5	1-5	6-31	32-47	48-64	65-81		
	Pool Group	P1	P1	P1	P1	P1							
	Species	SAL	SAL	SAL	SAL	SAL	SAL	SAL	SAL	SAL	SAL		
	Average weight	35g	35g	35g	35g	35g	35g	35g	35g	35g	35g		
	Sex	N/A	N/A	N/A		N/A		N/A		N/A	N/A		
	Water Type	FW	FW	FW	FW	FW	FW	FW	FW	FW	FW		
Stock Details		G01 Barvas Hatchery	G01 Barvas Hatchery	DO GBarvas Hatchery	DO 99 Barvas Hatchery	D 99 Barvas Hatchery	Barvas Hatchery	P01 Barvas Hatchery	LOT Barvas Hatchery	G01 Barvas Hatchery	90 Barvas Hatchery		
S	1 dollity 140	1 105	1105	1105	1100	1 100		1104	1101	1105	1 100		

2/2019 Additional Sample Information:													
VMD samples collected on 3/12/2019 and diagnostic sample collected on 4/12/2019. Fish from VMD and DIA killed with anesthetic overdose.													
6 Total Tests assigned 2													
	D samples anesthetic	D samples collected anesthetic overdos	D samples collected on 3/1: anesthetic overdose.	D samples collected on 3/12/2019 a anesthetic overdose.	D samples collected on 3/12/2019 and diag anesthetic overdose.	D samples collected on 3/12/2019 and diagnostic sanesthetic overdose.	D samples collected on 3/12/2019 and diagnostic sample of anesthetic overdose.	D samples collected on 3/12/2019 and diagnostic sample collected anesthetic overdose.	D samples collected on 3/12/2019 and diagnostic sample collected on 4/12 anesthetic overdose.	D samples collected on 3/12/2019 and diagnostic sample collected on 4/12/2019. Fanesthetic overdose.	D samples collected on 3/12/2019 and diagnostic sample collected on 4/12/2019. Fish from anesthetic overdose.	D samples collected on 3/12/2019 and diagnostic sample collected on 4/12/2019. Fish from VMD a anesthetic overdose.	D samples collected on 3/12/2019 and diagnostic sample collected on 4/12/2019. Fish from VMD and DIA anesthetic overdose.

FHI 059, Version 12 Issued by: FHI Date of issue: 08/10/2018 Method of killing: Anaesthetic Case no: FS0562 2019-0732 Site No: Inspector(s): Date of visit: 03/12/2019 Sheet Relevant: Y S for strong presence: M for medium presence: W for weak presence F3 F4 Time sampled after death (if > 45 minutes) External Signs Behaviour Moribund Lethargic S Hanging vertical Spiralling Flashing Loss of equilibrium Body Dark Distended abdomen Scale Oedema Opercula Shortened Flared Haemorrhaging Throat Ventrum Base of fins Elsewhere Eyes Exophthalmic Enophthalmic (sunken) Cataract Haemorrhagic Gills Pale Zoned Necrotic Lesions Flank Elsewhere Vent Inflamed Trailing faeces Lice Load Estimate numbers Internal Signs Clear Ascites 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

Parasites present

Anaemia

General

Case no: 2019-0732

Date of visit: 03/12/2019

S for strong process							
	ce: M for medium presence: W for v						
Fish Number	so. In for modulin prosoned. W for v	<u>'</u>					
	er death (if > 45 minutes)						
External Signs	r death (ii > 40 iiiiidtes)						
Behaviour Separate	Moribund						
Bonaviour	Lethargic						
	Hanging vertical						
	Spiralling						
	Flashing						
	Loss of equilibrium						
Body	Dark						
,	Distended abdomen						
	Anorexic						
	Scale Oedema						
Opercula	Shortened						
	Flared						
Haemorrhaging	Throat						
	Ventrum						
	Base of fins						
	Elsewhere						
Eyes	Exophthalmic						
	Enophthalmic (sunken)						
	Cataract						
	Haemorrhagic						
Gills	Pale						
	Zoned						
	Necrotic						
Lesions	Flank						
	Elsewhere						
Vent	Inflamed						
	Trailing faeces						
Lice Load	Estimate numbers						
Internal Signs	01						
Ascites	Clear						
Oedema	Bloody						
	In tissues Pale/anaemic						
Heart	Granulomas						
	Deformed						
Liver	Petechial haem						
LIVEI	Gross haem						
	Tissue breakdown						
	Enlarged						
	Colour number(s)						
	Granulomas						
	Lesions						
Pyloric caeca	Petechial haem						
	Tubules mauve						
	Lack of fat						
Spleen	Enlarged						
	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							

FHI 059, Version 12		issue	ed by: FHI			Date	or issue	: 08/10/2018
Case Number:	2019-0732			Site No:	FS0562		Insp:	
Date of Visit	03/12/2019			No of mo	ovements/s	supp./dest.		Score
Live fish movements				0	1-5	6-10	>10	
Movements on (from out	Frequency of m	novements on from equ	ivalent MS	0	5	10	14	0
with GB) of susceptible species		novements on from equincluding third country	ivalent zone or	0	9	18	26	
	Number of sup			0		10	14	0
Movements off	Frequency of m	novements off		0	3	6	10	10
Movemente en	Number of des			0		6	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)	farms upstrean	or in a coastal zone win or within 1 tidal excurs	sion	1	2	4		1
	farms upstream	or in a coastal zone win or within 1 tidal excurs	sion	1	3	6		ш
		or in a coastal zone win or within 1 tidal excurs		1	4	8		Ш
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				\Box
	Processing fish	from MS of equivalent	status	2	1			ш
	Processing fish equivalent state	i from zone or comparti us	ment of	4				
	•	from Category III farm		8				
	Processing fish	from Category ∨ farm		10				
Disposal of fish and fish by-	Site's own was	te only processed.		0	1			0
products	Common proce	esses with other farms		3				ш
	Collection poin	t for waste from other fa	arms	5				
Use of unpasteurised feeds	No feeding of u	inpasteurised feed		0	i I			0
	Feeding unpas	teurised feed		5				ш
Biosecurity		1	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		1
Disinfection of equipment	Yes			0	1			0
between sites, use of footbaths etc	No			1				Н
CoGP/Regulator								
Practices in accordance	Yes			0				0
with regulator or industry code of practice	No			3				
Platform access to cages	Yes			0	1			0
	No			2				Ш
						Total Rank		15 LOW

Case No:	2019-0732	;	Site No:	FS0562	
-	(Seawater Sites Only) enced sea lice problems in the previo	ous 4 years?			
2. Is the CoGP Farm	Management Area (or equivalent) fa	llowed synchronously on	a single ye	ear class basis?	
azamethiphos and en can these be deployed	access to a range of licenced in-feed namectin benzoate) as well as accest d in a reasonable period of time? ocumented farm management agree	ss to suitable biological a	nd/or mech	nanical control measur	es, and
Management Area (o					
5. Are sea lice count	records available for inspection? (Leg	gal SSI, CoGP Annex 6)			
6. Do records adequa	ately reflect the required standard spe	ecified in the SSI and the	CoGP? (Lo	egal SSI, CoGP Anne	(6)
records are inspected					
	t female sea lice (<i>L. salmonis</i>) numb 10/6/19) during the period that record	•	el of 3 or a	above (prior to w/b 10/6	6/19) or
If yes, have these bee	en reported to the Fish Health Inspec	torate? If no, FHI see co	mment.		
9. Is C. elongatus info	estation at a level which is considered	d to cause significant we	lfare proble	ems? (CoGP 4.3.81, 5	3.50)
	treatments been administered or othe treatment or where <i>C. elongatus</i> is o				
11. Has any other act	tion been taken (where applicable)?				
12. Have therapeutic	treatments or the actions taken had a	a significant impact upon	the lice lev	vels recorded?	
13. Are treatments, w	here conducted, carried out in coope	ration between participat	ting farms?	•	
	ing strategy for the site, where fewer		_		t for
	cific written lice management proced escalation of a sea lice infestation?	ure with waypoints descr	ribing set a	ctions to deal with rec	ognised
16. Do the sea lice le	vels observed on stocks reflect sea li	ce count data? If no plea	se detail re	easons.	
Containment Inspec	tion				
1. Has the site experi	enced equipment damage due to pre	dators in the current or p	revious pro	oduction cycles?	N
2. Are measures in pl	ace to mitigate against the predation	experienced on site? (De	etail below)	Y
If other, detail below					
	itside with cover/nets, Rentokil				N
	lents or events been experienced on		te since the	e last FHI inspection?	IN
	uestions 4 – 9. If No skip to question eported to Scottish Ministers?	10			
4. 11470 (11000 2001)	oported to ocotion ministers.				
	eported to local DSFB forthwith (when				
6. Have these been re	eported to the SSPO and local fisheri	es trusts forthwith (where	e they exist	t)? (CoGP – 4.4.37, 5.4	4.17)
7. Were methods (if a	any) used to recover escapees? If yes	s give detail			
8. If gill nets were der	ployed was this action agreed with loc	cal wild fish interests and	was permi	ission given by Scottis	h
Ministers? (Legal, Co				, , , , , , , , , , , , , , , , , , , ,	
9. What action was ta	ken to prevent and minimise the risk	of further escapes? (Not	t covered ir	n code but could	
be considered und	er satisfactory measures of the Ad	et)			
10. Is the site inspect	ed as satisfactory with regards to cor	ntainment? If no, please	detail reaso	on(s)	Υ

Issued by: FHI

Date of issue: 08/10/2018

FHI 059, Version 12

Site No: FS0562

Case No: 2019-0732

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

Case No: 2019-0732 Date of visit: 03/12/2019 Site No: FS0562 Inspector: Freq. Results Summary Date of Notification Database Phone Writing Insp Insp Insp 2nd Insp 14/01/2019 G. salaris 0/1 17/12/2019 20/12/2019 IHN 0/1 14/01/2019 10/12/2019 20/12/2019 IPN 0/1 10/12/2019 20/12/2019 14/01/2019 14/01/2019 SAV 0/1 10/12/2019 20/12/2019 VHS 14/01/2019 0/1 10/12/2019 20/12/2019 20/12/2019 20/12/2019 **FSPE** 1/5 14/01/2019 20/12/2019 14/01/2019 NSIG 1/5 20/12/2019 20/12/2019 20/12/2019 14/01/2019 HI - FUNG 1/5 PA - Saprolegnia sp. 1/5 20/12/2019 20/12/2019 14/01/2019 13/01/2020 14/01/2019 Saprolegnia parasitica 1/1 Report Summary 2nd Insp Case Type Date Insp ECI, CNI, VMD 19/12/2019 MIX 19/12/2019 DIA 14/01/2019





FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS NO FB0169 SITE NO FS0562 INSPECTOR DATE OF VISIT 03/12/2019
SITE NAME Geocrab Hatchery
CASE NO 20190732

Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

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

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

Records

The surveillance frequency category of the site was assessed as 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.

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

R04

Marine Laboratory, 375 Victoria Road, Aberdeen, AB11 9DB Tel - 0131 244 3498 Fax - 0131 244 0944 Email - <u>ms.fishhealth@gov.scot</u> Website - <u>www.gov.scot/Topics/marine/science</u> 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 2015

Medicine records were inspected and found to be adequately maintained.

Samples were taken to be analysed for veterinary residues.

Inspection under the Aquaculture and Fisheries (Scotland) Act 2007

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

On this occasion the site was found to be satisfactory.

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

Signed: Date: 19/12/2019
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





FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS NO FB0169 SITE NO FS0562 INSPECTOR DATE OF VISIT SITE NAME CASE NO

03/12/2019

Geocrab Hatchery

SE No 20190732

Section 1: Summary

During a routine site inspection lethargic and moribund fish with visible patches of suspected fungal-like growth were observed on site and five Atlantic salmon were removed for a diagnostic sample.

Histopathological examination revealed mild, focal, fungal-like myositis in one fish. The other fish did not show significant pathology.

Fungal-like material collected from the fin of one fish was sequenced and identified as Saprolegnia parasitica.

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 visited for a routine inspection. Mortality was not significantly increased on site, however a few increases in mortality in the weeks leading up the inspection were attributed to the fish not settling well into the large tanks and getting sucked up the centre pipe. Oxygen diffusers were being installed to try and mitigate this issue. The fish had been treated with Pyceze and Aquacen against fungal infection prior to the movement onto the site in November 2019.

Upon inspection fish in two tanks in particular appeared lethargic and moribund and patches of suspected fungal-like growth were visible. Five moribund and lethargic fish with fungal-like growth were removed from both tanks that appeared to be most affected and diagnostic samples

collected. F4-F5 also appeared to have a darkened body colour. Internally F1-F3 had an enlarged spleen and no food present in the gut.

Samples

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

Fish number	Pool number	Facility number	Species	Stage	Origin
F1-F3	P1	T105	Atlantic salmon	37g, Parr	Barvas Hatchery
F4-F5	P1	T106	Atlantic salmon	37g, Parr	Barvas Hatchery

Results

Bacteriology: Kidney and spleen material from F1-F5 was inoculated onto appropriate media for the isolation of bacteria.

The following bacterium was isolated:

• Flavobacterium sp.: F1 (spleen)

The level and purity of growth was not significant.

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), salmonid alphavirus (SAV) and viral haemorrhagic septicemia virus (VHSV).

Parasitology: Fins were collected to determine the presence of *Gyrodactylus salaris* using light microscopy and molecular techniques (PCR).

No *G. salaris* parasites were detected in the samples examined.

One of the fins collected for G. salaris showed a heavy mat of cream-coloured fungal aseptate unbranching hyphae with sporangia consistent with Saprolegnia spp., sequencing using a universal fungal primer identified it as Saprolegnia parasitica.

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

Histopathological examination by light microscopy revealed the following:

Gill: Within normal range.

Skin & Muscle: Absence of epidermal layer (F3). Focally extended white muscle necrosis and foci of haemorrhaging between red muscle fibres (F4). Both skeletal muscle displayed structures resembling hyphae (F4).

Heart: Some nests of basophilic nuclei in atrium (F1). F2: no atrium in section.

Gut and pyloric caeca: Within normal range.

Pancreas: Within normal range.

R09

<u>Liver:</u> Minimal to moderate diffuse hepatocyte vacuolation (F1, F2, F3) <u>Kidney:</u> Mild renal tubule dilation (F2). F1: Compression artefacts

Spleen: Some cuffing (F2), slightly congested (F3).

Signed:

Date: 14/01/2020

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: 2019-0733			Date of visit: 04/12/2019
Time spent on site:	h	Main In	aspector:
Site No: FS0149 Business No: FB0169	Site Name: Business Name:	Loch Langavat The Scottish Salmon Co	ompany
Case Types: 1 ECI	2 CNI 3 VMD	4 5	6
Water Temp (°C): 5.5	Thermometer No:	T205	FHI 045 completed
Observations:	Region: WI	Water type: F	CoGP MA
Dead/weak/abnormally behaving Clinical signs of disease observe Gross pathology observed? Diagnostic samples taken?	•	N If yes, see addition	al information/clinical score sheet. al information/clinical score sheet. al information/clinical score sheet.
UNI/REG only - if unable to carry	out intended visit detai	I reason below:	

Additional Case Information:

Water dark and visibility very limited. No moribund or lethargic fish observed. 2 dead fish observed in 1 pen.

FHI 059, Version 12			Issu	ed by: FHI			Date of issu	e: 08/10/2018			
Case No:	2019-0733		Site No:	FS0149	<u>'</u>]						
Date of Visit:		04/12/2019			Inspector(s):]			
Registration/Autho	risation Deta	ails									
_			ite representa	ative?			Y	1			
2. Changes made to	details?						Υ				
Site Details											
Total No facilities		16 cages	Facilities sto	cked	12 cages	No facilitie	s inspected	16 cages			
Species	SAL										
Age group	2020 S1										
No Fish	596,795										
Mean Fish Wt	42g										
	ite)	Mid April 202	20	Next Input Da	ate (Site)	Septembe	r 2020				
TVEXT CITE TO THE TOTAL TO THE TOTAL	ic,	Wild Fight 20	.0	HOAT IIIput 2		ОСРІСТІВЬ	2020				
Recent (last 4 wks)	disease probl	ems?		N	Any escapes	(since last	visit)?	N			
If yes, detail:											
Movement Records											
		r inenection?						Y			
		inspection:					13/02/2018				
•		ectly entered?	,				13/02/2010	Y			
•		•		,				Y			
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?											
		•		able?				N/A			
Date of Visit: O4/12/2019											
•		t by (or on be	half) of the bu	usiness (not us	ing a STB)?			Y			
•				•	_			Y			
•											
_	available for i	nspection?						Y			
•		•			Ensiled - on	site					
						01.5					
3. Mortality records of	complete and	correctly enter	ered?					Y			
			w/b 4/11/19	10 morts acro	ss the whole	site, w/b 11/	11/19 & w/b 1	8/11/19 0			
4. Recent mortality (last 4 wks):		quality reaso	ons (doing vaco	cinations)						
		••						N			
If yes, facility nos/no	mortality per	facility/no sto	ck per facility	/reason:							
6. Any other peaks it								Y			
If yes detail:	w/b 30/9/19	(grading cull -	30,557), w/b	14/10/19 (grad	ling cull -21,40	J7), mort eve	ents in early 2	2019 reported			
•	inevalained)	mortalities he	en reported to	o vet or FHI?				N/A			
•	mexpiamea,	Hortantico po	sir reperted to	VCC OF T TIL.							
8. Have 'mortality ev	ents' been re	ported to FHI	? If no, add N	IRT case and e	enter on morta	ality events s	sheet.	Y			

FHI 059, Version 12	Issued by: FHI	Date of issue: 08/10/2018
Recent treatments (last 4 wks)? If yes, detail: If other, detail:	T.M.S.	Y
 Medicines records available for Are records complete and corre Are fish in a withdrawal period? If yes, what treatment(s)? 	•	Y Y Y
If other, detail: 6. Are medicines stored appropriate Biosecurity Records		Y
 Biosecurity records available for Has the manner and frequency 	of mortality removal, recording and safe disposal been which the APB will notify Scottish Ministers or veterinary	

Priority samples: VI BA PA MG HI	ГГ	11 059, VEISION 12							155	ueu by. Fr	11			
Priority samples: VI		Case no:	2019-07	733	Site No:		FS0149					04/	12/2019	04/
Summary samples HIST BA MG VI PA Total Samples Add Fish/Pools - click Pool/Fish No		Priority samples:	VI		ВА		PA		MG					
Add Fish/Pools - click Pool/Fish No		starts/ends:				0:00		Inspecto	r:			VMD No).	10
Add Fish/Pools - click Pool/Fish No		Environmental conditions:	1	Indoors	2		3		4		5			
Pool/Fish No Fish nos 1-10 11-26 Pool Group Species SAL SAL Average weight 41g Sex N/A Water Type FW FW Pool Group Species FW FW FW Pool Group Species FW FW FW Pool Group Species FW		Summary samples	HIST		BA		MG	Y	VI	P	Α		Total Sa	mples
Pool/Fish No Fish nos 1-10 11-26 Pool Group Species SAL SAL Average weight 41g Sex N/A Water Type FW FW Pool Group Species FW FW FW Pool Group Species FW FW FW Pool Group Species FW														
Fish nos 1-10 11-26 Pool Group Species SAL SAL Average weight 41g 41g Sex N/A N/A Water Type FW FW Pool Group Species SAL SAL Average weight 41g 41g Sex N/A N/A Water Type FW FW	A													
Pool Group Species SAL SAL Average weight Sex N/A N/A Water Type Sex Occupation Applied to the control of the		Pool/Fish No												
Species SAL SAL Average weight 41g 41g Sex N/A N/A Water Type FW FW PW		Fish nos	1-10	11-26										
Average weight Sex N/A Water Type FW FW Augusta A1g Sex N/A Water Type FW FW August A1g Sex N/A Water Type FW FW August A1g Sex N/A FW FW August A1g Sex N/A FW FW August A1g Sex N/A FW August A1g Sex		Pool Group												
Sex N/A N/A Water Type FW FW Schery S		Species	SAL	SAL										
Water Type FW Creab Creab Creab Creab Creab Creab Creab Creery Creery Creery Creery Creery Creab Cre		Average weight	41g	41g										
ocrab cherynsuidhe cherynsuidhe cherynsuidhe cherynsuidhe chery		Sex	N/A	N/A										
Stock Details Hatcherynsuidhe Hatchery Hatchery Hatchery Hatchery Hatchery Hatchery		Water Type	FW	FW										
				Geocrab Hatcherynsuidhe Hatchery										

	,														
12/2019	12/2019 Additional Sample Information:														
	pen 14 2 fish each, pen 9 3 fish each, Source: Geocrab Hatchery														
0	0 Total Tests assigned 0														

FHI 059, Version 12		Issued by: FHI			Date of	of issue	: 08/10/2018
Case Number:	2019-0733		Site No:	FS0149		Insp:	
Date of Visit	04/12/2019		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	
Special Control of the Control of th	Number of sup	ncluding third country	0			14	0
Mayamanta off							
Movements off	Frequency of n Number of des		0			10 10	3
Exposure via water	rtaniber of des	Site contacts		_			
Water contacts with other	Farm is protect	ed (secure water supply through					
farms (holding species	disinfection or l	,	0				igwdow
susceptible to same diseases)		or in a coastal zone with category I n or within 1 tidal excursion	1	2	4		0
,		or in a coastal zone with category III					
		n or within 1 tidal excursion	1	3	6		igwdow
		or in a coastal zone with category V n or within 1 tidal excursion	1	4	8		
	namio apolican	TOT WILLIAM T LIGHT CACCATOLOGY	<u> </u>		<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 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	n from zone or compartment of us	4				
	Processing fish	from Category III farm	8	1			
	Processing fish	n from Category ∨ farm	10				
Disposal of fish and fish by-	Site's own was	te only processed.	0	1			$\overline{}$
products	Common proce	esses with other farms	3				
	Collection poin	t for waste from other farms	5				5
Use of unpasteurised feeds	No feeding of u	inpasteurised feed	0	1			0
·	Feeding unpas	·	5				-
Biosecurity		Number of sites	1	2 or 3	≥ 4		
Contacts with other sites	Sites operating	from single shorebase	0	1	2		1
	Sites sharing s	taff and equipment	0	1	2		1
Disinfection of equipment	Yes		0	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				\vdash
out of practice				J			
Platform access to cages	Yes		0				0
	No		2				
					Total		13
					Rank		LOW

Case No:	2019-0733		(Site No:	FS0149					
Sea Lice Inspection ((Seawater Sites Only) enced sea lice problems in	the previous 4 years	s?							
2. Is the CoGP Farm N	Management Area (or equiv	valent) fallowed syn	chronously on	a single y	ear class basis?					
azamethiphos and emccan these be deployed	access to a range of licence amectin benzoate) as well d in a reasonable period of ocumented farm management	as access to suitab time?	le biological a	nd/or mec	hanical control meas	ures, and				
	ecords available for inspec	tion? (Legal SSL Co	GP Annex 6)							
6. 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. saln</i> records are inspected?	nonis) record levels below? (CoGP Annex 6)	the suggested criter	ia for treatmer	nt in the Co	oGP during the period	d that				
	female sea lice (<i>L. salmon</i> 0/6/19) during the period the	•		el of 3 or a	above (prior to w/b 10	/6/19) or				
If yes, have these been	n reported to the Fish Heal	th Inspectorate? If n	o, FHI see cor	mment.						
9. Is C. elongatus infe	station at a level which is o	considered to cause	significant wel	fare proble	ems? (CoGP 4.3.81,	5.3.50)				
	reatments been administer treatment or where <i>C. elon</i>									
11. Has any other action	on been taken (where appl	icable)?								
12. Have therapeutic to	reatments or the actions ta	ken had a significan	t impact upon	the lice le	vels recorded?					
13. Are treatments, wh	nere conducted, carried out	in cooperation betw	veen participat	ing farms?	?					
sea lice?	13. Are treatments, where conducted, carried out in cooperation between participating farms? 14. Is there a harvesting strategy for the site, where fewer populations or part populations are held without treatment for sea lice?									
	cific written lice manageme scalation of a sea lice infes		aypoints descr	ibing set a	actions to deal with re	cognised				
16. Do the sea lice lev	rels observed on stocks refl	lect sea lice count da	ata? If no plea	se detail re	easons.					
Containment Inspect	ion									
•	enced equipment damage o	lue to predators in th	ne current or p	revious pr	oduction cycles?	N				
2. Are measures in pla	ace to mitigate against the	predation experience	ed on site? (De	etail below	')	Y				
If other, detail below	:									
top nets										
3. Have escape incide	ents or events been experie	enced on or in the vi	cinity of the sit	te since the	e last FHI inspection?	N				
	estions 4 – 9. If No skip to	•								
4. Have these been re	ported to Scottish Ministers	s?								
5. Have these been re	ported to local DSFB forthy	with (where they exis	st)? (CoGP – 4	4.4.37, 5.4	l.17)					
6. Have these been re	ported to the SSPO and lo	cal fisheries trusts fo	orthwith (where	e they exis	t)? (CoGP – 4.4.37, 5	5.4.17)				
7. Were methods (if ar	ny) used to recover escape	es? If yes give detai	il							
O If will contain the second		al with least with the	interests on t		issian short by Or '''					
8. If gill nets were depl Ministers? (Legal, Co	loyed was this action agree GP – 4.4.38, 5.4.18)	ed with local wild fish	i interests and	was perm	iission given by Scotti	ISIT				
9. What action was tak	ken to prevent and minimis	e the risk of further	escapes? (Not	covered in	n code but could					
be considered unde	er satisfactory measures	of the Act)								
10. Is the site inspecte	ed as satisfactory with rega	rds to containment?	If no, please of	detail reas	on(s)	Y				

Issued by: FHI

Date of issue: 08/10/2018

FHI 059, Version 12

Site No: FS0149

Case No: 2019-0733

Nature of non-compliance:

Action taken (FHI):

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

Case No:	2019-0733			Date of visit:	04/12/2019			
Site No:	FS0149			Inspector:				
Results Summary	Freq.			Dat	te of Notifica	tion		
results summary	r roq.	Database	Insp		Insp	Writing	Insp	2 nd Insp
			 					
Report Summary				1				
Case Type	Date	Insp	2 nd Insp					
ECI, CNI, VMD	19/12/2019							





FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS NO FB0169
SITE NO FS0149
INSPECTOR

DATE OF VISIT 04/12/2019
SITE NAME Loch Langavat
CASE NO 20190733

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.

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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 2015

Medicine records were inspected and found to be adequately maintained.

Samples were taken to be analysed for veterinary residues.

Inspection under the Aquaculture and Fisheries (Scotland) Act 2007

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

On this occasion the site was found to be satisfactory.

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

Signed: Date: 19/12/19
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	Issued by: FHI		Date of issue: 08/10/20	18
Case No: 2019-0735				Date of visit: 05/12/2019	
Time spent on site:		_	Main Inspector	r:	
Site No: FS0148 Business No: FB0169	Site Name: Business Name:	Amhuinnsuidhe The Scottish Sal			3
Case Types: 1 VMD 2	MIX 3	4	5	6	
Water Temp (°C):	Thermometer No:			FHI 045 completed	כ
Observations:	Region: WI	Water type:	F	CoGP MA	
Dead/weak/abnormally behaving fit Clinical signs of disease observed Gross pathology observed? Diagnostic samples taken?	•	N If yes, see a	additional inforn	nation/clinical score sheet. nation/clinical score sheet. nation/clinical score sheet.	
UNI/REG only - if unable to carry o	out intended visit detail	reason below:			
					_

Additional Case Information:

Water dark and peaty. Visibility limited.

FHI 059, Version 12			Issu	ed by: FHI			Date of issue	e: 08/10/2018		
Case No:	2019-0735		Site No:	FS0148						
Date of Visit:		05/12/2019			Inspector(s):			1		
Registration/Autho	risation Deta	ails								
1. Business/site deta	ails summary	checked by si	ite representa	tive?			Υ			
2. Changes made to	details?						N			
Site Details										
		1 hatch + 93								
Total No facilities		tanks	Facilities sto	cked	16 tanks	No facilities	s inspected	16 tanks		
Species										
Age group										
No Fish	376,391									
Mean Fish Wt	26g									
Next Fallow Date (S	ite)	none		Next Input Da	te (Site)	December	2019/ Janua	ry 2020		
					1					
Recent (last 4 wks)	disease probl	ems?		N	Any escapes	(since last v	/isit)?	N		
If yes, detail:										
Movement Records	S									
Movement record		r inspection?						Y		
2. Date of last inspe		т порессиотт.					14/02/2018			
3. Are records comp		ectly entered?						Y		
4. Are movement re		•						Y		
5. Are records comp	lete and corre	ectly entered?						Y		
6. Are health certific	ates for introd	luctions (out v	vith GB) availa	able?				N/A		
Transport Records	•									
Are any movement		t bv (or on bel	nalf) of the bu	siness (not usi	ing a STB)?					
If yes, is there a syst				•	_					
Mortality Records										
Mortality records a	available for i	nspection?						Y		
2. How are mortalities		•			Ensiled - on s	ite				
If other detail:										
3. Mortality records	complete and	correctly ente	ered?					Y		
				019: 152,091 q	uality cull, 1,0	91 production	on morts for t	he whole site		
Recent mortality (last 4 wks):		for the whole	month						
Evidence of recer		• •						N		
If yes, facility nos/no	mortality per	facility/no sto	ck per facility/	reason:						
6. Any other peaks in		<u> </u>						Y		
				tock (+1.5 mil o						
If yes, detail:		accination usu 2019 above r	•	,000. Novembe	2018 159,00	o quality cu	iii due to sma	ii size. T		
7. Have increased (u								N/A		
If yes, detail action:	oxpiairioa) i	The standard	Topontou to					,, ,		
8. Have 'mortality ev	ents' been re	ported to FHI	? If no, add M	RT case and e	enter on mortal	ity events s	heet.	Y		
,			,							

FHI 059, Version 12	Issued by: FHI	Date of issue: 08/10/2018
1. Recent treatments (last 4 wks)?		Y
If yes, detail: T.M.S.	, Pyceze	
If other, detail:		
2. Medicines records available for inspec	tion?	Y
3. Are records complete and correctly en	tered?	Y
4. Are fish in a withdrawal period?		Y
5. If yes, what treatment(s)?	T.M.S., Pyceze	_
If other, detail:		
6. Are medicines stored appropriately?		Y
Biosecurity Records		
1. Biosecurity records available for inspec	ction?	
2. Has the manner and frequency of mor	tality removal, recording and safe disposal beer	n considered?
3. Has the manner and period in which th	ne APB will notify Scottish Ministers or veterinary	y professional of any
increased (unexplained) mortality at the	site been included?	

	11 059, Version 12							155	sued by: FHI	l			
	Case no:	2019-0	735	Site No.		FS0148			Date of visi Sampling:	t/	05/1	2/2019	05/
	Priority samples:	٧	1	ВА		PA		MG		н	=		
	Time sampling starts/ends:		00:00	_	0:00]	Inspect	or:			VMD No.	. [9
	Environmental conditions:		Indoors	2		3		4	_	5			
	Summary samples	HIST		ВА		MG		VI	PA			Total Sar	nples
A	dd Fish/Pools - click												
	Pool/Fish No												
	Fish nos	1-4	5-9	10-14	15-19	20-24	25-35	36-46					
	Pool Group												
	Species	SAL	SAL	SAL	SAL	SAL	SAL	SAL					
	Average weight	26g	26g	26g	26g	26g	26g	26g					
	Sex	N/A	N/A	N/A	N/A	N/A	N/A	N/A					
	Water Type	FW	FW	FW	FW	FW	FW	FW					
		,		>		_	_	_					
		andass Hatchery	Hatchery	Hatchery	Hatchery	angass Hatchery	Hatchery	Langass Hatchery					
		1	t	atc	tc	atc	atch a	atc l					
v.		±	:	土	≌	坣		当					
Details		S	SS	SSI	SS	ISS	ISS	ISS					
		מטכ	Langass	-angass	angass	ge	-angass	ge					
S	Stock Origin	<u></u>	Lar	Lar	Lar	Lar	Lar	Lar					
Stc	Facility No	3	4	10	37	38	33	36					

12/2019	2/2019 Additional Sample Information:														
0	ı	Total To	ests ass	igned	0	1									

Case No:	2019-0735			Date of visit:	05/12/2019						
0430 110.	2010 0100			Date of Visit.	00/12/2010						
Site No:	FS0148			Inspector:							
Results Summary	Freq.			Date of Notification							
ŕ		Database	Insp	Phone	Insp	Writing	Insp	2 nd Insp			
Report Summary				1							
Case Type	Date	Inco	and I								
Case Type		Insp	2 nd Insp								
VMD MIX	19/12/2019 19/12/2019										
IVIIA	19/12/2019										
			-								
			<u> </u>								
			_								





FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

Business No FB0169 **Date of Visit** 05/12/2019

SITE NO FS0148 SITE NAME Amhuinnsuidhe Hatchery

INSPECTOR CASE NO 20190735

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

The above site was visited in accordance with the Animals and Animal Products (Examination for Residues and Maximum Residue Limits) (England and Scotland) Regulations 2015. Samples were taken to be analysed for veterinary residues.

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

Records

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

Medicine records were inspected and found to be adequately maintained.

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

Mortality records were inspected and found to be adequately maintained.

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

Date: 19/12/2019

Signed:

Fish Health Inspector

R20

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: 2019-0737			Date of visit: 11/12/2019
Time spent on site:	2 hours	Main Inspecto	r:
Site No: FS0258 Business No: FB0127	Site Name: Business Name:	Abbey St Bathans Trout Farm Abbey St. Bathans Trout Farm	
Case Types: 1 MIX	2 VMD 3	4 5	6
Water Temp (°C):	Thermometer No:		FHI 045 completed
Observations:	Region: BO	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 inform	mation/clinical score sheet. mation/clinical score sheet. mation/clinical score sheet.
UNI/REG only - if unable to carr	y out intended visit deta	il reason below:	

Additional Case Information:

Movement book; Input detailed as Selcoth. Informed future input must be site specific and include FS number. Last input of fish not in movement book. Input during visit.

Mort disposal; currently stored in IBC and collected by about once a year - not sure how disposes of waste. In future considering storing with formic acid before spreading on his land. Information supplied about the Animal By-Products (Scotland) Regulations 2003 and approved methods of mort disposal. Advised to contact APHA or LA.

Morts; 28 Nov 2019 300 culled due to eye fluke

Mort peak in June; eye fluke and bacterial gill disease treated with Chloramine T. - particularly in pond 10 - small fish.approx 1500 dead in June. Pond 7;larged fish - eye fluke;3000/June

Vet visited in June to advise on bacterial gill disease. Recommended the CT use. It proved effective.

ChloramineT and BKC. - Gill health water treatment. Advised where it is used as a water treatment there is no need to record it in your medicine records. However I would recommend keeping a record of its use for example in your day diary. Medicine records were not available for inspection as no treatments had taken place in the time period checked. Feed last mixed approximately 8 years ago- antibiotic for Red mark syndrome. - under prescription. No significant RMS on site currently.

No paperwork kept in relation to feed mixing. Provided with example; HACCP, HCCP flow chart and Feed mixing logs.

FHI 059, Version 12			Iss	sued by: FHI			Date of issu	ue: 08/10/2018
Case No:	2019-0737		Site No:	FS025	8			
Date of Visit:		11/12/201	9		Inspector(s):]
Registration/Author	orisation Det	ails						
1. Business/site deta	ails summary	checked by	site represen	itative?			Υ	
2. Changes made to	details?						N	1
Site Details								
Total No facilities		19	Facilities st	tocked	19	No facilitie	es inspected	19
Species	RTR	RTR	RTR	RTR				
Age group	fingerling	fingerling	fingerling	fingerling				
No Fish	40,000	40,000	40,000	40,000				
Mean Fish Wt	25g	100g	300g	600g				
Next Fallow Date (S	ite)	No fallow		Next Input D	ate (Site)	March 202	20	
					7			
Recent (last 4 wks)	disease prob	lems?			N Any escapes	(since last	visit)?	N
If yes, detail:								
Movement Record	s							
1. Movement record		or inspection	?					Y
2. Date of last inspe		. п					13/03/2018	
3. Are records comp		rectly entered	J?					N
4. Are movement re				?				N
5. Are records comp	olete and corr	rectly entered	1?					N/A
6. Are health certific		•		ilable?				N/A
Transport Records	5							
1. Are any movemen	nts carried ou	ut by (or on b	ehalf) of the b	ousiness (not u	sing a STB)?			
If yes, is there a sys	tem in place	for maintena	nce of transp	ortation records	s?			
Mortality Records								
1. Mortality records	available for	inspection?						Y
2. How are mortalitie	es disposed o	of?			Other (detail)		
If other detail:								
3. Mortality records	complete and	d correctly en	itered?					Y
4. Recent mortality ((last 4 wks):		150/month	/site - no specif	fic cause.			
5. Evidence of recer	nt increased/a	atypical mort	alities?					N
If yes, facility nos/no		• •		ty/reason:				
6. Any other peaks i			checked?					Y
If yes, detail:	see addition							
7. Have increased (•	mortalities b	een reported	to vet or FHI?				N/A
If yes, detail action:								N1/ 8
8. Have 'mortality ev	≀ents' been r∈	eported to FF	II? If no, add	MRT case and	enter on morta	ality events s	sheet.	N/A

FHI 059, Version 12	Issued by: FHI	Date of issue: 08/10/2018
Recent treatments (last 4 wks)? If yes, detail:		N
If other, detail:		
2. Medicines records available for inspe	ection?	N/A
3. Are records complete and correctly e	ntered?	N/A
4. Are fish in a withdrawal period?		N
5. If yes, what treatment(s)?		
If other, detail: 6. Are medicines stored appropriately?		I N/A
o. Are medicines stored appropriately?		IN/A
Biosecurity Records		
Biosecurity records available for inspect.		
•	ortality removal, recording and safe disposal be	
increased (unexplained) mortality at the	the APB will notify Scottish Ministers or veterir e site been included?	nary professional of any
	e event that the presence or suspicion of the p	
	I when that will be notified to Scottish Ministers	
5. Has the health status of aquaculture health status, certification if required)?	animals being stocked on the farm site been of	covered (equal or higher
•	measures implemented between each epidem movement of staff, visitors, equipment, live or	
7. Is documentation available regarding	the measures in place to maintain the physical	
aquaculture animals held on site?	n adaguatah implamantad an aita?	
8. Have the biosecurity procedures bee If no, detail:	n adequately implemented on site?	
ii iio, dotali.		

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:

13/3/19- 11/12/19

	Priority samples:	VI		ВА	=	PA		MG	Samplii	g. HI		l	
	Time sampling starts/ends: Environmental conditions:		0:00 Windy	14:1	5:00	3	Inspecto	or: 4		 5	VMD No	o.	1
	Summary samples	HIST	=	BA		МG		VI		PA		Total Sa	amples
	Add Fish/Pools - click												
Π	Pool/Fish No												
ſ	Fish nos	1											
Ι	Pool Group												
П	Species	RTR											
-1	Average weight	300g											
-1	Sex												
-1	Water Type	FW											
0	Stock Origin	Howkeld											
Ċ	Facility No	9											

12/2019	Addition	nal Sam	ple Infor	mation:							
	Killed b	y blow t	o head								
0	ı	Total To	ests ass	igned	0	l					

Site No: FS0258

Case No: 2019-0737

Nature of non-compliance:

Action taken (FHI):

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

Case No:	2019-0737			Date of visit:	11/12/2019			
Site No:	FS0258	l		Inspector:		ı		
Results Summary	Freq.			Dat	te of Notificat	tion		
		Database	Insp	Phone	Insp	Writing	Insp	2 nd Insp
Report Summary Case Type								
Case Type	Date	Insp	2 nd Insp					
VMD MIX	16/01/2020							
MIX	15/01/2020							





Abbey St Bathans Trout Farm The Retreat. Blackerstone Duns Berwickshire TD11 3RY

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

Business No FB0127 SITE NO

FS0258

INSPECTOR

DATE OF VISIT SITE NAME 11/12/2019

Abbey St Bathans Trout Farm

CASE NO 20190737

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

The above site was visited in accordance with the Animals and Animal Products (Examination for Residues and Maximum Residue Limits) (England and Scotland) Regulations 2015. Samples were taken to be analysed for veterinary residues.

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

Records

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

Medicine records were not available for inspection as no treatments had taken place in the time period checked.

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.

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

- The source of fish placed onto the site was detailed as a business rather than site specific.
- The last input of fish to the site was not recorded in the book. This was added during the inspection.

It was agreed wish the site manager that for future inputs the source site rather than business will be recorded, including the unique FS number. Should you require any assistance obtaining the FS number please do not hesitate to contact the duty inspector. Future fish movements into and out of Abbey St Bathans Trout Farm must be recorded with 24 hours to meet the requirements of authorisation under the Aquatic Animal Heath (Scotland) Regulations 2009.

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: 16/01/2020

FHI 059, Version 12		Issued by: FHI	Date of issue: 08/10/2018
Case No: 2019-0739			Date of visit: 12/12/2019
Time spent on site:	hour	Main Inspecto	r:
Site No: FS1265 Business No: FB0554	Site Name: Business Name:	St Abbs Marine Station (Finfish St Abbs Marine Station (Finfish	•
Case Types: 1 ECI 2	CNI 3	4 5	6
Water Temp (°C): 7	Thermometer No:	T147	FHI 045 completed
Observations:	Region: BO	Water type: S	CoGP MA None
Dead/weak/abnormally behaving to Clinical signs of disease observed Gross pathology observed? Diagnostic samples taken?	•	N If yes, see additional inform	mation/clinical score sheet. mation/clinical score sheet. mation/clinical score sheet.
UNI/REG only - if unable to carry	out intended visit deta	ail reason below:	

Additional Case Information:

Sea water pumped onto site and flow through.

No future planed inputs currently.

Morts are frozen then sent away for incineration.

Fed cooked mussels and prawns and raw squid

FHI 059, Version 12			Issu	ed by: FHI			Date of issu	ie: 08/10/2018
Case No:	2019-0739		Site No:	FS1265				
Date of Visit:		12/12/2019			Inspector(s):]
Registration/Autho 1. Business/site deta 2. Changes made to	ails summary		ite representa	ative?			Y N	7
Site Details								
Total No facilities		26	Facilities sto	cked	26	No facilitie	s inspected	26
Species	see attachment							
Age group No Fish								
Mean Fish Wt								
Next Fallow Date (Si	ite)	None		Next Input Da	ite (Site)	none		
Recent (last 4 wks) of	disease probl	ems?		N	Any escapes	(since last	visit)?	N
If yes, detail:								
Movement Records								
Movement records		r inspection?						Y
2. Date of last inspec							26/05/2016	
3. Are records comp								Y
4. Are movement red								Y
5. Are records comp		-		-bla2				N/A
6. Are health certification		uctions (outw	ith GB) availa	ible?				IN/A
Transport Records			: IC) S.A I	. (V
 Are any movemer If yes, is there a syst 					_			Y
	em in place i	JI IIIaii ileliaii	ce of transpor	lation records				'
Mortality Records 1. Mortality records a	available for i	nenection?						Y
2. How are mortalitie		•			Other (detail)			
If other detail:	o diopossa s				Other (dotain)			
3. Mortality records of	complete and	correctly enter	ered?					Y
4. Recent mortality (•		none					
5. Evidence of recen	nt increased/a	typical mortal	ities?					N
If yes, facility nos/no	mortality per	facility/no sto	ck per facility/	/reason:				
6. Any other peaks in	n mortality du	ring period ch	ecked?					N
If yes, detail: 7. Have increased (u	(novplained)	mortalities he	on reported to	vot or EUI2				N/A
If yes, detail action:	inexplained) i	Hortanues bed	en reported to) Vet Of TTHE				147.4
8. Have 'mortality ev	ents' been re	ported to FHI	? If no, add M	RT case and e	enter on morta	lity events s	sheet.	N/A

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?

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

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).

Records checked between:

26/5/16-12/12/19

FHI 059, Version 12		Issued by: FHI			Date o	of issue	: 08/10/2018
Case Number:	2019-0739		Site No:	FS1265		Insp:	
Date of Visit	12/12/2019		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 ncluding third country	0	9	18	26	
	Number of sup		0		10	14	-
Movements off	Frequency of n	novements off	I 0	3	6	10	0
	Number of des		0		6	10	0
Exposure via water		Site contacts	s 0	1-5	6-10		
Water contacts with other farms (holding species	disinfection or l	,	0				
susceptible to same diseases)	farms upstrean	or in a coastal zone with category I n or within 1 tidal excursion	1	2	4		1
	farms upstrean	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				
	Processing ow	n fish (re-cycling risk)	1				1
	Processing fish	n from MS of equivalent status	2				
	Processing fish equivalent state	n from zone or compartment of us	4				
	Processing fish	n from Category III farm	8				
	Processing fish	n from Category ∨ farm	10				
Disposal of fish and fish by-	Site's own was	te only processed.	0]			
products	Common proce	esses with other farms	3				3
	Collection poin	t for waste from other farms	5				
Use of unpasteurised feeds	No feeding of u	unpasteurised feed	0	1			0
	Feeding unpas	teurised feed	5				5
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 s	taff and equipment	0	1	2		
Disinfection of equipment	Yes		0]			
between sites, use of footbaths etc	No		1				1
CoGP/Regulator				•			
Practices in accordance	Yes		0				$\overline{}$
with regulator or industry code of practice	No		3]			3
Platform access to cages	Yes		0	1			0
	No		2	1			ш
					Total		15
					Rank		LOW

Case No:	2019-0739		Site No:	FS1265	
Sea Lice Inspection (Seawater Sites Only)				
•	**	in the previous 4 years?			
2. Is the CoGP Farm M	lanagement Area (or e	quivalent) fallowed synch	ronously on a single y	ear class basis?	
		enced in-feed and bath se			
azamethiphos and ema	amectin benzoate) as	well as access to suitable		hanical control measures, an	d
can these be deployed	•				
4. Is there a signed doo Management Area (or e		ement agreement or state	ment relevant to the si	ite and CoGP Farm	
5. Are sea lice count re	cords available for insp	pection? (Legal SSI, CoGI	P Annex 6)		
6. Do records adequate	ely reflect the required	standard specified in the	SSI and the CoGP? (L	egal SSI, CoGP Annex 6)	
7. Are sea lice (L. salm records are inspected?		ow the suggested criteria	for treatment in the Co	oGP during the period that	
		nonis) numbers per fish b od that records are inspec		above (prior to w/b 10/6/19) o	r
If yes, have these been	reported to the Fish H	ealth Inspectorate? If no,	FHI see comment.		
9. Is C. elongatus infes	station at a level which	is considered to cause sig	gnificant welfare proble	ems? (CoGP 4.3.81, 5.3.50)	
•				levels have exceeded the ions? (CoGP 4.3.82, 5.3.51)	
11. Has any other action	on been taken (where a	pplicable)?			
12. Have therapeutic tr	eatments or the action	s taken had a significant ii	mpact upon the lice le	vels recorded?	
13. Are treatments, who	ere conducted, carried	out in cooperation between	en participating farms?	•	
		•		held without treatment for	
15. Is there a site speci scenarios during the es			points describing set a	ections to deal with recognise	d
16. Do the sea lice leve	els observed on stocks	reflect sea lice count data	a? If no please detail re	easons.	
Containment Inspecti	on				
1. Has the site experier	nced equipment dama	ge due to predators in the	current or previous pre	oduction cycles?	N
2. Are measures in place	ce to mitigate against t	ne predation experienced	on site? (Detail below)	Υ
inside					
If other, detail below:					
Have escape incide	nts or events been exp	erienced on or in the vicin	nity of the site since the	e last FHI inspection?	N
If Yes proceed with que	•	•			
4. Have these been rep	oorted to Scottish Minis	ters?			
5. Have these been rep	ported to local DSFB fo	rthwith (where they exist)?	? (CoGP – 4.4.37, 5.4	.17)	
				t)? (CoGP – 4.4.37, 5.4.17)	
7. Were methods (if an	y) used to recover esc	apees? If yes give detail			
		reed with local wild fish in	nterests and was perm	ission given by Scottish	
Ministers? (Legal, CoG	•	ning the viels of fruits or		n anda hut sould	
	-	mise the risk of further esc	capes? (Not covered in	n code but could	
be considered under	•			(-)	V
10. Is the site inspected	a as satisfactory with re	egards to containment? If	no, piease detail reaso	on(s)	Y

Issued by: FHI

Date of issue: 08/10/2018

FHI 059, Version 12

Case No:	2019-0739			Date of visit:	12/12/2019			
Site No:	FS1265	l		Inspector:		ı		
Results Summary	Freq.			Dat	te of Notificat	tion		
		Database	Insp	Phone	Insp	Writing	Insp	2 nd Insp
D								
Report Summary Case Type	_	-						
Case Type	Date	Insp	2 nd Insp					
ECI, CNI	24/12/2019							

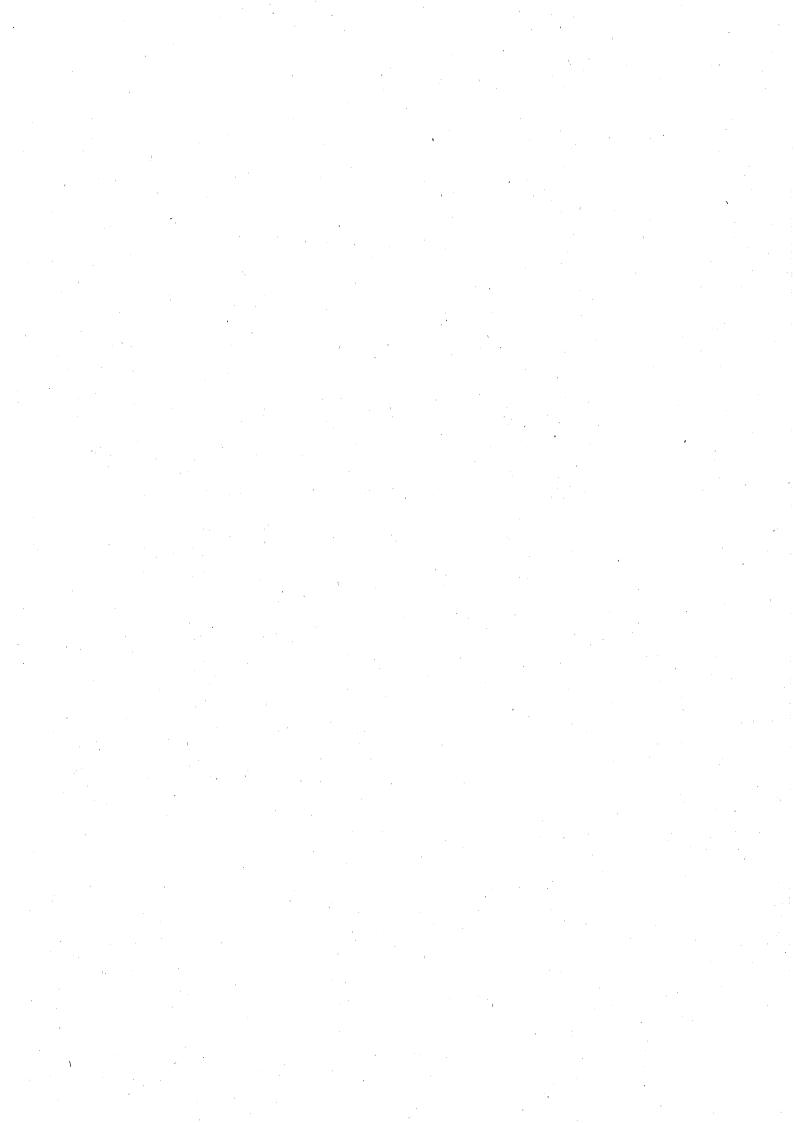


Note - attachments file must be saved to ARC folder as PDF with correct name format e.g. 2012-0123-attach or 2012-0123-attach2 etc.

St Abbs Marine Station Sp	ition Speicies List	Last Updated: Dec 19	V	Site No: SS085
Tank ID	Common Name	Scientific Name	Collection Site	Number
11	lobster	Homarus gammarus	larval reared	£.
2T	lobster	Homarus gammarus	larval reared	5
3T	lobster	Homarus gammarus	larval reared	. 4
18	lobster	Homarus gammarus	St Abbs M.R.	⊢ 1
28	lobster	Homarus gammarus	St Abbs M.R.	1
38	lobster	Homarus gammarus	St Abbs M.R.	11
48				
58			`.	
68	Velvet Crab	Necora puber	St Abbs M.R.	10
	Shore crab	Carcenus meanus	St Abbs M.R.	∞
78				*
88			4.	
98	Lobster	Homarus gammarus	St Abbs M.R.	
4A				
5A	Native Seagrass		Belhaven Bay	
	Queen Scallop	Aequipecten opercularis	Dunbar	Η.
	Brown Crab	Cancer pagurus	St Abbs M.R.	2
6A 49				
7A	Blue Mussel	Mytilus edulis	Musselburgh	77
8A			•	
SA (recirculation)	2 9 8	Phymatolithon calcareum	Orkney	
. 10	Lesser Octopus	Eledone cirrhosa	St Abbs M.R.	H
2C	lobster	Homarus gammarus	St Abbs M.R.	2
	fifteen spines stickleback	Spinachia spinachia	St Abbs M.R.	
	Sun Star	Crossaster papposu	St Abbs M.R.	æ
30	Lobster	Homarus gammarus	St Abbs M.R.	5
	Hermet Crab	Pagurus bernhardus	St Abbs M.R.	3
4C	Lesser Octopus	Eledone cirrhosa	St Abbs M.R.	
	Scorpian Fish	Myoxocephalus scorpius	St Abbs M.R.	⊢

SC ("Rocknool")	Edible Sea Hrchin	Echinis esculentus	St Abbs M B		
/ loodypour) ac	במוסוכ סכמ כו כווווו	Forming escalement	SCADS With:	•	
	Common Hermit Crab	Pagarus bernhardus	St Abbs M.R.		~
	3 Spined Stickleback	Gasterosteus aculeatus	St Abbs M.R.	7	_
	Langoustine	Nephrops norvegicus	East Lothian		~
	Viviparus Eelpout	Zoarces viviparus	St Abbs M.R.		1
	Yarrel's Blenny	Chirolophis ascanii	St Abbs M.R.		~
	Lesser weever	Echiichthys vipera	St Abbs M.R.		
	Common Brittle Star	Astropecten irregularis	St Abbs M.R.	H	
	Beadlet Anemone	Actinia equina	St Abbs M.R.		
	Strawberry Anemone	. Actinia fragacea	St Abbs M.R.		
	Snakelocks Anemone	Anemonia sulcata	St Abbs M.R.		
	Green Wrasse	Crenilabrus melops	St Abbs M.R.		_
~	Spiny Squat Lobster	Galathea strigosa	St Abbs M.R.		
	Common Squat Lobster	Galathea squamifera	St Abbs M.R.		_
	Grass Prawn	Palaemon elegans	St Abbs M.R.	5.	_
1	Toad Crab	Hyas coarctatus	St Abbs M.R.		_
	Starfish	Asterias rubens	St Abbs M.R.	•	~
	Bloody henry	Henricia sanguinolenta	St Abbs M.R.	-	
. 29	Lobster	Homarus gammarus	St Abbs M.R.		
70	Lesser Octopus	Eledone cirrhosa	St Abbs M.R.		<u></u>
3 C	Dulse	Palmaria palmata	St Abbs M.R.	52 Strands	
26	European Lobster	Homarus gammarus	St Abbs M.R.	•	
.*	Edible Sea Urchin	Echinus esculentus	St Abbs M.R.	,	~
7.5M (1D)	Brown Crab	Cancer pagurus	St Abbs M.R.		10
Quarintine One (Q1)				,	1
Quarintine Two (Q2)					
F-SQUARE (4D)	Brown Crab	Cancer pagurus	St Abbs M.R.	. 25	
ANEMONE (5D)	Dahlia Anemone	Urticina felina			
	Snakelocks Anemone	Anemonia viridis			
	Pimplet Anemone	Anthopleura ballii			
	Strawberry Anemone	Actinia fragacea			
MESOCOSM (1E)	Haddock	Melanogrammus aeglefinus	St Abbs M.R.		
	Atlantic Cod	Gadus morhua	St Abbs M.R.		. 2

Coley	Pollachius viriens	St Abbs M.R.	2
Pollock	Pollachius pollachius	St Abbs M.R.	2
Grey Gurnard	Eutrigla gurnardus	St Abbs M.R.	1
Cuckoo Wrasse	Labrus bimaculatus	St Abbs M.R.	4
Corkwing Wrasse	Crenilabrus melops	St Abbs M.R.	2
Dab	Limanda limanda	St Abbs M.R.	5
Plaice	Pleuronectes platessa	St Abbs M.R.	5
3-Bearded Rockling	Gaidropsarus vulgaris	St Abbs M.R.	2
Periwinkles	Littorina líttorea	St Abbs M.R.	100+
Urchins	Echinus esculentus	St Abbs M.R.	5
European Spiny Lobsters	Palinurus elephas		. 2
Scorpian Fish	Myoxocephalus scorpius	St Abbs M.R.	2
lobster	Homarus gammarus	St Abbs M.R.	17
Brown Crab	Cancer pagurus	St Abbs M.R.	17
Velvet Crab	Necora puber	St Abbs M.R.	
Shore crab	Carcinus maenas	St Abbs M.R.	Š







St Abbs Marine Station (Finfish)
The Harbour
St Abbs
Berwickshire
TD14 5QF

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS NO FB0554 DATE OF VISIT 12/12/2019
SITE NO FS1265 SITE NAME St Abbs Marine Station (Finfish)
INSPECTOR CASE NO 20190739

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.

R04

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

Inspection under the Aquaculture and Fisheries (Scotland) Act 2007

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

On this occasion the site was found to be satisfactory.

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

Signed: /

Date:24/12/2019

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

FHI 059, Version 12		Issued by: FHI		Date of issue: 08/10/2018
Case No: 2019-0740				Date of visit: 12/12/2019
Time spent on site:	hour	$\overline{}$	Main Inspector	:
Site No: SS0850 Business No: SB0527	Site Name: Business Name:	St Abbs Marine St Abbs Marine	· · · · · · · · · · · · · · · · · · ·	,
Case Types: 1 ECI 2	3	4	5	6
Water Temp (°C): 7	Thermometer No:	T146	\neg	FHI 045 completed
Observations:	Region: BO	Water type	: S	CoGP MA
Dead/weak/abnormally behaving Clinical signs of disease observed Gross pathology observed? Diagnostic samples taken?	•	N If yes, see	additional inforn	nation/clinical score sheet. nation/clinical score sheet. nation/clinical score sheet.
UNI/REG only - if unable to carry	out intended visit deta	ail reason below:		

Additional Case Information:

Input of crabs and lobsters all locally caught. Held for 24 hours and measured. May be tagged.

Mortalities - Incinerated at Heriot Watt University. Less often than once a year

Native oysters - Placed on site from Heriot Watt. Brought onto site at two separate times 16/3/17 and 28/3/19- On input the oysters were held in a quarantine recirculation tank with ozone and biofilters for 1 month, These tested negative Bonamia ostreae, Marteilia refringens and OsHV-1. Tanks cleaned and disinfected on fallowing. Oysters have been frozen, double bagged and remain in the freezer (183 of 2017 input and 45 of 2019 input). - future plan is to send them to Heriot Watt for incineration. No current plans to input more.

When the native oysters were removed from the tanks they were cleaned and disinfected with virkon. Drainage water disinfect with virkon and dry tanks. No records of disinfection procedures . 24 hour contact time following maufactures guidelines for virkon concentrations.

No known native oyster beds locally. No site disinfection of discharge water. Disinfected water from holding tanks is not discharged, it is stored in barrels for transport to Herriot Watt where it is thought it will be ozone treated.

FHI 059, Version 12			Issu	ed by: FHI			Date of issu	ie: 08/10/2018
Case No:	2019-0740]	Site No:	SS0850				
Date of Visit:		12/12/2019]		Inspector(s):			1
Registration/Authornal 1. Business/site det 2. Changes made to	ails summary		ite representa	ative?			Y N	}
Site Details			_					
Total No facilities		30	Facilities sto	cked	30	No facilitie	s inspected	30
	see attached							
Species	stock sheet							
Age group	Stock Sheet							
No Fish								
Mean Fish Wt Next Fallow Date (S	(ito)	nono		Next Input Da	oto (Sito)	no immedi	ato plan	
Next Fallow Date (S	one)	none		Next Input Da	ile (Sile)	no immedi	ate plan	
Recent (last 4 wks)	disease probl	ems?		N	Any escapes	(since last	visit)?	N
If yes, detail:					,,	(,	
Massamant Dagard								
Movement Record		r inanastian?						V
 Movement record Date of last inspect 		r inspection?					26/05/2016	'
3. Are records comp		ectly entered?	•				20/03/2010	Y
4. Are movement re		•		,				Y
5. Are records comp								Y
6. Are health certific		-		able?				N/A
Transport Records								
Are any moveme		t by (or on bel	half) of the bu	ısiness (not usi	ing a STB)?			
If yes, is there a sys		• `	•	•	•			
Mortality Records	·		· ·					
Mortality records	available for i	nspection?						Y
2. How are mortalities		•			Other (detail)		
If other detail:					(a.c.a	/		
3. Mortality records	complete and	correctly ente	ered?					Y
4. Recent mortality	(last 4 wks):		4 morts in N	ovember. Dec;	20 Velvet cra	bs -part of e	xperiment - I	nandling
5. Evidence of recei	nt increased/a	typical mortal	ities?					N
If yes, facility nos/no	mortality per	facility/no sto	ck per facility	/reason:				
6. Any other peaks	in mortality du	ring period ch	ecked?					N
If yes, detail:	upovploiped)	mortalities ke	on ronorted to	vot or EUI2				NI/A
7. Have increased (If yes, detail action:	unexplained)	mortalities be	en reported to	vecor FHI?				N/A
8. Have 'mortality e	vents' heen re	norted to FHI	? If no ladd M	IRT case and e	enter on morts	lity events s	heet	N/A
o. Have Mortality e	venta pecirie	ported to 1 mi	: II IIO, aud IV	ii ti case and e	inter on morte	inty events s	nicet.	14//

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).

Date of issue: 08/10/2018 FHI 059, Version 12 Issued by: FHI Case Number: 2019-0740 Site No: SS0850 Date of Visit 12/12/2019 Inspector: Number of Susceptible species on site If no susceptible species present = LOW risk If susceptible species present, score for each pathogen Yes No 25 Susceptible to Bonamia ostrea (OED) 0 Susceptible to Marteilia refringens (OED, MED) 0 3 0 Susceptible to OsHV (CGI) 0 3 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 Live shellfish movements 0 1-2 >3 Frequency of movements on from equivalent MS 10 Movements on Frequency of movements on from equivalent zone or compartment including third country 0 10 20 Number of suppliers 0 5 10 Movements off Frequency of movements off within MSS Management 0 1 2 2 Frequency of movements off outwith MSS Management 0 3 6 Areas 0 Number of destinations Secure Unsecure Management (effluent (no effluent treatment) practices None 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 0 2 6 MSS management area Depuration of stock from sites outwith MSS management 0 8 area Number of sites 2 or 3 > 4 **Biosecurity** Contacts with other Sites operating from single shorebase Sites sharing staff and equipment sites Yes No Disinfection of equipment between sites, use of footbaths etc 0

Total Risk

_OW

Case No:	2019-0740			Date of visit:	12/12/2019			
Site No:	SS0850	l		Inspector:		ı		
Results Summary	Freq.			Dat	te of Notificat	tion		
		Database	Insp	Phone	Insp	Writing	Insp	2 nd Insp
Report Summary								
Report Summary Case Type	Date	Insp	2 nd Insp					
ECI, CNI	24/12/2019	шэр	Z insp					
LOI, OIVI	24/12/2013							
			 					

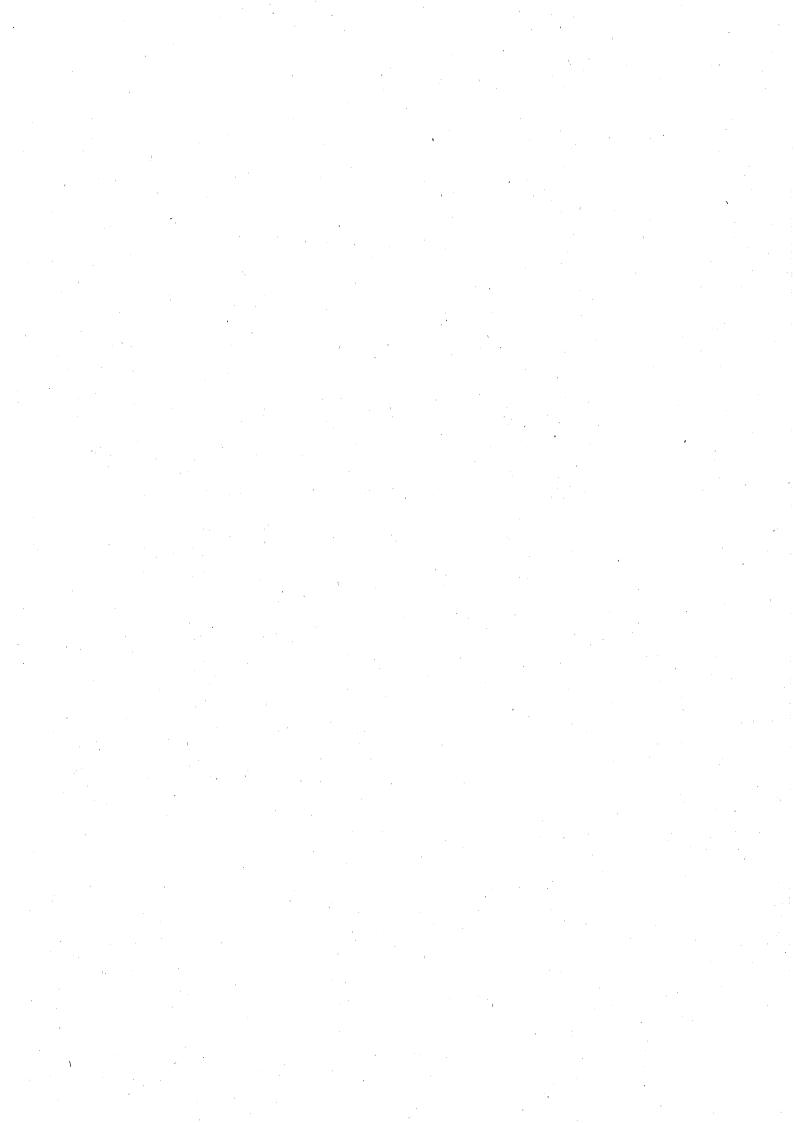


Note - attachments file must be saved to ARC folder as PDF with correct name format e.g. 2012-0123-attach or 2012-0123-attach2 etc.

St Abbs Marine Station Sp	ition Speicies List	Last Updated: Dec 19	V	Site No: SS085
Tank ID	Common Name	Scientific Name	Collection Site	Number
11	lobster	Homarus gammarus	larval reared	£.
2T	lobster	Homarus gammarus	larval reared	5
3T	lobster	Homarus gammarus	larval reared	. 4
18	lobster	Homarus gammarus	St Abbs M.R.	⊢ 1
28	lobster	Homarus gammarus	St Abbs M.R.	1
38	lobster	Homarus gammarus	St Abbs M.R.	11
48				
58			`.	
68	Velvet Crab	Necora puber	St Abbs M.R.	10
	Shore crab	Carcenus meanus	St Abbs M.R.	∞
78				*
88			4.	
98	Lobster	Homarus gammarus	St Abbs M.R.	
4A				
5A	Native Seagrass		Belhaven Bay	
	Queen Scallop	Aequipecten opercularis	Dunbar	Η.
	Brown Crab	Cancer pagurus	St Abbs M.R.	2
6A 49				
7A	Blue Mussel	Mytilus edulis	Musselburgh	77
8A			•	
SA (recirculation)	2 9 8	Phymatolithon calcareum	Orkney	
. 10	Lesser Octopus	Eledone cirrhosa	St Abbs M.R.	H
2C	lobster	Homarus gammarus	St Abbs M.R.	2
	fifteen spines stickleback	Spinachia spinachia	St Abbs M.R.	
	Sun Star	Crossaster papposu	St Abbs M.R.	æ
30	Lobster	Homarus gammarus	St Abbs M.R.	5
	Hermet Crab	Pagurus bernhardus	St Abbs M.R.	3
4C	Lesser Octopus	Eledone cirrhosa	St Abbs M.R.	
	Scorpian Fish	Myoxocephalus scorpius	St Abbs M.R.	⊢

SC ("Rocknool")	Edible Sea Hrchin	Echinis esculentus	St Abbs M B		
/ loodypour) ac	במוסוכ סכמ כו כווווו	Forming escalement	SCADS With:	•	
	Common Hermit Crab	Pagarus bernhardus	St Abbs M.R.		~
	3 Spined Stickleback	Gasterosteus aculeatus	St Abbs M.R.	7	_
	Langoustine	Nephrops norvegicus	East Lothian		~
	Viviparus Eelpout	Zoarces viviparus	St Abbs M.R.		1
	Yarrel's Blenny	Chirolophis ascanii	St Abbs M.R.		~
	Lesser weever	Echiichthys vipera	St Abbs M.R.		
	Common Brittle Star	Astropecten irregularis	St Abbs M.R.	H	
	Beadlet Anemone	Actinia equina	St Abbs M.R.		
	Strawberry Anemone	. Actinia fragacea	St Abbs M.R.		
	Snakelocks Anemone	Anemonia sulcata	St Abbs M.R.		
	Green Wrasse	Crenilabrus melops	St Abbs M.R.		_
~	Spiny Squat Lobster	Galathea strigosa	St Abbs M.R.		
	Common Squat Lobster	Galathea squamifera	St Abbs M.R.		_
	Grass Prawn	Palaemon elegans	St Abbs M.R.	5.	_
1	Toad Crab	Hyas coarctatus	St Abbs M.R.		_
	Starfish	Asterias rubens	St Abbs M.R.	•	~
	Bloody henry	Henricia sanguinolenta	St Abbs M.R.	-	
. 29	Lobster	Homarus gammarus	St Abbs M.R.		
70	Lesser Octopus	Eledone cirrhosa	St Abbs M.R.		<u></u>
3 C	Dulse	Palmaria palmata	St Abbs M.R.	52 Strands	
26	European Lobster	Homarus gammarus	St Abbs M.R.	•	
.*	Edible Sea Urchin	Echinus esculentus	St Abbs M.R.	,	~
7.5M (1D)	Brown Crab	Cancer pagurus	St Abbs M.R.		10
Quarintine One (Q1)				,	1
Quarintine Two (Q2)					
F-SQUARE (4D)	Brown Crab	Cancer pagurus	St Abbs M.R.	. 25	
ANEMONE (5D)	Dahlia Anemone	Urticina felina			
	Snakelocks Anemone	Anemonia viridis			
	Pimplet Anemone	Anthopleura ballii			
	Strawberry Anemone	Actinia fragacea			
MESOCOSM (1E)	Haddock	Melanogrammus aeglefinus	St Abbs M.R.		
	Atlantic Cod	Gadus morhua	St Abbs M.R.		. 2

Coley	Pollachius viriens	St Abbs M.R.	2
Pollock	Pollachius pollachius	St Abbs M.R.	2
Grey Gurnard	Eutrigla gurnardus	St Abbs M.R.	1
Cuckoo Wrasse	Labrus bimaculatus	St Abbs M.R.	4
Corkwing Wrasse	Crenilabrus melops	St Abbs M.R.	2
Dab	Limanda limanda	St Abbs M.R.	5
Plaice	Pleuronectes platessa	St Abbs M.R.	5
3-Bearded Rockling	Gaidropsarus vulgaris	St Abbs M.R.	2
Periwinkles	Littorina líttorea	St Abbs M.R.	100+
Urchins	Echinus esculentus	St Abbs M.R.	5
European Spiny Lobsters	Palinurus elephas		. 2
Scorpian Fish	Myoxocephalus scorpius	St Abbs M.R.	2
lobster	Homarus gammarus	St Abbs M.R.	17
Brown Crab	Cancer pagurus	St Abbs M.R.	17
Velvet Crab	Necora puber	St Abbs M.R.	
Shore crab	Carcinus maenas	St Abbs M.R.	Š







St Abbs Marine Station (Shellfish)
The Harbour
St Abbs
Berwickshire
TD14 5QF

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS NO SB0527
SITE NO SS0850
SITE NAME
SITE NAME
DATE OF VISIT 12/12/2019
St Abbs Marine Station (Shellfish)
CASE NO 20190740

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.

Mortality records were inspected and found to be adequately maintained.

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

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

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

Signed:

Fish Health Inspector

Date: 24/12/2019

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: 2019-0743			Date of visit: 10/12/2019
Time spent on site:	3.5 hrs	Main In:	spector:
Site No: FS0892 Business No: FB0061	Site Name: Business Name:	Clachbreac Landcatch Natural Selec	etion 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 behavin Clinical signs of disease observ Gross pathology observed? Diagnostic samples taken?	-	N 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 carr	ry out intended visit deta	ail reason below:	

Additional Case Information:

Inspection of 2019 S0 stock held in tank B3 which are being exported to France on the 10th and 13th of December 2019 (certificate numbers INTRA.GB.2019.0035001 & 0035004). One lorry transporting fish had 12 separate tank units on it. A total of ~22,440 fish due to be exported on both days with ~1,870 fish/tank on lorry.

Mortality levels low from tank (B3) holding fish for export (Wk 46 - 112, 0.25%, wk 47 - 122, 0.28%, wk 48 - 33, 0.08%), wk 49 - 26, 0.06%/ per week for tank B3). Movement records and mortality records all well maintained. Site had been treated with formalin in early November for fungus. Fish looked to be in good condition at time of inspection.

Once both exports complete all remaining stock on site will be 2020 S1's

FHI 059, Version 12			Issu	ed by: FHI			Date of issu	ie: 08/10/2018
Case No:	2019-0743		Site No:	FS0892				
Date of Visit:		10/12/2019	9		Inspector(s)	:]
Registration/Autho 1. Business/site deta 2. Changes made to	ails summary		site representa	ative?			Y N	- }
Site Details								
Total No facilities		24	Facilities sto	cked	19	No facilitie	es inspected	24
Species	SAL	SAL						
Age group	2019 S0	2020 S1						
No Fish	43,688	342,902						
Mean Fish Wt	75.5g	48.8g						
Next Fallow Date (S	ite)	May 2020	_	Next Input Da	ate (Site)	June 2020	,	
Recent (last 4 wks)				Y	Any escapes	s (since last	visit)?	N
If yes, detail:	touch of fund	gus						
1. Movement record 2. Date of last inspect 3. Are records compt 4. Are movement records compt 5. Are records compt 6. Are health certificator Transport Records 1. Are any movement figes, is there a system of the cords Mortality Records	ction: blete and corrected availablete and corrected attention at	ectly entered? le for dead fis ectly entered? ductions (outv	? sh and waste? ? with GB) availa chalf) of the bu	able? usiness (not us	_		20/03/2018	Y Y Y N/A
1. Mortality records a	available for i	nspection?						Y
2. How are mortalitie					Other (detail	l)		
If other detail:		sary for incine						
 Mortality records of Recent mortality (Evidence of recent yes, facility nos/no 	(last 4 wks): nt increased/a	atypical morta	Wk 46 (112, week for tan lities?		22, 0.28%), 4	8 (33, 0.08%	6), 49 (26, 0.0	06%) per N
6. Any other peaks i	n mortality du	ring period of	hecked?					l N
If yes, detail:	n mortality du	ring period cr	lecked?					IN
7. Have increased (ulif yes, detail action:	unexplained)	mortalities be	en reported to	o vet or FHI?				N/A
8. Have 'mortality ev	ents' been re	ported to FHI	? If no, add M	IRT case and o	enter on morta	ality events	sheet.	N/A

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 inspec		
3. Are records complete and correctly en	itered?	
4. Are fish in a withdrawal period?		
5. If yes, what treatment(s)?		
If other, detail:		
6. Are medicines stored appropriately?		
Biosecurity Records		
1. Biosecurity records available for inspe	ction?	
• •	rtality removal, recording and safe disposal be	
•	he APB will notify Scottish Ministers or vetering	nary professional of any
increased (unexplained) mortality at the	site been included?	
	event that the presence or suspicion of the p when that will be notified to Scottish Ministers	
5. Has the health status of aquaculture a	animals being stocked on the farm site been o	covered (equal or higher
health status, certification if required)?		
•	neasures implemented between each epidem	
transmission of disease been covered (n	novement of staff, visitors, equipment, live or	dead fish etc.)?
7. Is documentation available regarding taquaculture animals held on site?	the measures in place to maintain the physica	al containment of
Have the biosecurity procedures been	adequately implemented on site?	
If no, detail:	adequately implemented on site:	

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:

20/03/2018 - 10/12/2019

Site No: FS0892 Inspector: Date of Notification	
Results Summary Freq. Date of Notification	
Database Insp Phone Insp Writing Insp 2 nd Insp	
Ponort Summany	
Report Summary Case Type Date Insp 2 nd Insp	
Case Type Date Insp 2 nd Insp	
MOV 13/12/2019	





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

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS NOFB0061DATE OF VISIT10/12/2019SITE NOFS0892SITE NAMEClachbreacINSPECTORCASE NO20190743

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 for placing on the market in France 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.

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

Signed: Date: 13/12/2019
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