FHI 059, Version 13		Issued by: FHI	Date of issue: 12/05/2020
Case No: 2020-0035			Date of visit: 04/08/2020
Time spent on site:	hrs	Main Inspecto	or:
Site No: FS1341 Business No: FB0119	Site Name: Business Name:	An Camus Mowi Scotland Ltd	
Case Types: 1 PSI 2	3	4 5	6
Water Temp (°C):	Thermometer No:		FHI 045 completed
Observations:	Region: WI	Water type: S	CoGP MA: W-20
Dead/weak/abnormally behaving to Clinical signs of disease observed Gross pathology observed? Diagnostic samples taken?	•	If yes, see additional infor	mation/clinical score sheet. mation/clinical score sheet. mation/clinical score sheet.
UNI/REG only - if unable to carry	out intended visit deta	il reason below:	

PSI carried out following notification from business of increased mortality attributed to gill damage resulting from an algal bloom. CMS and AGD also present in stock.

Aeration system in place to mitigate against algal bloom. Feeding has been reduced.

Wrasse wild caught from Hebrides, Lumpfish from Ocean Matters, Anglesey

Site first stocked in April 2020 from neighbouring site Stulaigh (FS1259)

Remaining 3 cages to be stocked from Marulaig Bay (FS0865) in next few weeks.

Freshwater treatment carried out when fish first stocked and four weeks subsequently, to treat AGD.

FHI 059, Versio	on 13		Issued	d by: FHI		Date of is	sue: 12/05/2020
Case No:	2020-0035	]	Site No:	FS1341	]		
Date of case:	04/08/2020		<b>_</b>		Inspector(s):		
Registration/	Authorisation D	etails					
Business/site of	contacts correct?	(if no update	site summary she	eet)			Y
Site Details							
Total No faciliti	ies		7 No facilities sto	ocked		4	
Species	SAL	LUM	WRA				
Age group	2019 Q4	2020	2020				
No Fish	334,718	10,175	6783				
Mean Fish Wt	2.7 kg	50g	20cm				
Next Fallow Da	ate (Site)	April 2021		Next Input Date	e (Site)	April 2022	
Date of last ins	spection: (ECI or	PSI)	N/A	1			
Martality Info				_			
Mortality Info		sical mortalities	? (last 4 weeks).				
If yes, detail:			w/b 13/07/20 - 2		/h 20/07/20 - 11	0/3 (/ 10%) w/	h 27/07/20 -
ii yes, detaii.	12,138 (3.5%)	1,573 (0.45%),	W/D 13/07/20 - 2	2,934 (1.02 %), W/	10 20/01/20 - 11	,943 (4.19 <i>7</i> 6), w/	0 21/01/20 -
2. Any increase	ed mortalities? (s	since last inspe	ection.)				Y
If yes, detail:	As above - this	is the first insp	ection of the site	since it was reg	istered on 20/0	1/2020	
3. How are mo	rtalities disposed	d of?			Other (detail)		
If other detail:	Whiteshore co	ckles					
Treatments ar	nd Madicines						
	nts? (since last i	nspection)					N
If yes, detail:	into: (Since last i	<b>1</b>		7		7	- 14
Other:							
	and Results of						
	on site? (since						Y
If yes, detail:	CMS and AGD						
•		illance been ca	arried out by, or o	on behalf of, the b	ousiness?		Y
3. Any significa							Y
If yes, detail	CMS, AGD						
Sea lice							
	experienced se	a lice problems	in the previous 4	1 vears?			N
If yes, detail:	experienced sec	a nee problems	Till the previous	+ yours:			
•	vels staved helov	w the suggeste	d criteria for treat	tment in the CoG	P since the las	t inspection?	Y
If no, detail:	leis stayed below	w the suggeste	d ontona for trea	unone in the coc		т порессиотт:	
	ne adult female s	sea lice (L. saln	nonis) numbers p	per fish been at a	level of 3 or ab	ove (prior to w/b	N
		•	ce the last inspec		100010101001	ove (prior to wie	
4. If yes to 3, h	ave these been	reported to the	Fish Health Insp	ectorate? If no,	see comment.		N/A
•		•	nsents relevant to				Y
If yes, detail:	Slice		Salmosan		Excis		Alphamax
6. Have therap	eutic treatments	or the actions	taken had a sign	ificant impact up	on the lice leve	ls recorded?	N/A
If no, detail:							
	≝		ement agreemen	t or statement re	levant to the sit	e and CoGP	Y
	ment Area (or ed		auivalant\ falla	and over the second	u on a single	or aloss besis	
o. is the CoGP	raiiii wanagen	ieni Area (or e	quivalent) fallow	ed synchronousi	y on a single ye	ai Class Dasis?	

Escapes/Containment						
1. Any reported escapes? (check prior to phone call)	N					
2. Any escapes? (since last inspection)	N					
If yes, detail: (include date)						
Biosecurity Records						
1. Any significant changes to your biosecurity procedures since previous visit?	N					
If yes, detail:						

FHI 059, Version 13		Issued by: FHI			Date of	of issue	: 12/05/2020
Case Number:	2020-0035		Site No	: FS1341		Insp:	
Date of Visit	04/08/2020		No of r	novements/	supp./dest.		Score
Live fish movements				0 1-5	6-10	>10	
Movements on (from out	Frequency of m	novements on from equivalent MS		0 5	10	14	0
with GB) of susceptible species		novements on from equivalent zone on cluding third country		0 9	18	26	
	Number of supp			0 5		14	0
Movements off	Frequency of m	novements off		0 3	6	10	10
Wovernonie on	Number of dest			0 3		10	3
Exposure via water		Site contact	ts	0 1-5	6-10		
Water contacts with other farms (holding species	disinfection or b	,		0			
susceptible to same diseases)	farms upstream	or in a coastal zone with category I or within 1 tidal excursion		1 2	4		2
	farms upstream	or in a coastal zone with category III or within 1 tidal excursion		1 3	6		
		or in a coastal zone with category V n or within 1 tidal excursion		1 4	8		
Management practices			None	Secure	Unsecure		
Water contacts with processors	Any processing	plant discharging into adjacent wate	ers	0 1	2		0
On farm processing within the rules of the directive	No on farm pro-			0			
	Processing owr	n fish (re-cycling risk)		1			1
		from MS of equivalent status		2			
	Processing fish from zone or compartment of equivalent status			4			
		from Category III farm		8			
	Processing fish	from Category V farm		0			
Disposal of fish and fish by-	Site's own wast	te only processed.		0			
products	Common proce	esses with other farms		3			3
	Collection point	for waste from other farms		5			
Use of unpasteurised feeds	No feeding of u	npasteurised feed		0			0
	Feeding unpast	teurised feed		5			
Biosecurity		Number of sit	es	1 2 or 3	≥ 4		
Contacts with other sites	Sites operating	from single shorebase		0 1	2		1
	Sites sharing st	taff and equipment		0 1	2		1
Disinfection of equipment	Yes			0			0
between sites, use of footbaths etc	No			1			
CoGP/Regulator							
Practices in accordance with regulator or industry	Yes			0			0
code of practice	No			3			
Platform access to cages	Yes			0			0
	No			2			
					Total		21
					Rank		MEDIUM

Case No:	2020-0035			Date of visit:	04/08/2020			
Site No:	FS1341	Inspector:						
Results Summary	Freq.			Da	te of Notifica	tion		
Í	·	Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Insp
							-	
D 10								
Report Summary	5 .		nd .					
Case Type	Date	Insp	2 <sup>nd</sup> Insp					
PSI	04/08/2020							





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 FS1341
Inspector

DATE OF CASE 04/08/2020 SITE NAME An Camus CASE NO 20200035

# **Passive Surveillance Inspection**

A notification of mortality levels above the reporting criteria was received by the Fish Health Inspectorate for the period of 13/07/2020 to 26/07/2020

A passive surveillance inspection was conducted by telephone to gather information in accordance with the Aquatic Animal Health (Scotland) Regulations 2009, and to meet the requirements of European Community Council Directive 2006/88/EC.

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

The 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.

Mortality levels had exceeded the reporting criteria since the site was first registered and had been reported to the Fish Health Inspectorate as required.

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

Signed:

Date: 04/08/2020

Fish Health Inspector

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Marine Scotland website at <a href="https://www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter">www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter</a>

R26

FHI 059, Version 13		Issued by: FHI	Date of issue: 12/05/2020
Case No: 2020-0036			Date of visit: 06/08/2020
Time spent on site:	A	Main Inspecto	or:
Site No: FS1344 Business No: FB0579	Site Name: Business Name:	Invertote Salmon Farm Organic Sea Harvest Ltd	
Case Types: 1 PSI 2	3	4 5	6
Water Temp (°C):	Thermometer No:		FHI 045 completed
Observations:	Region: HI	Water type: S	CoGP MA: None
Dead/weak/abnormally behaving to Clinical signs of disease observed Gross pathology observed? Diagnostic samples taken?	•	If yes, see additional infor	mation/clinical score sheet. mation/clinical score sheet. mation/clinical score sheet.
UNI/REG only - if unable to carry of	out intended visit deta	il reason below:	

PSI carried out in response to notification from business of increased mortality in lumpfish.

Lumpsucker mortality: 10/07/20 - 16/07 - 822 (2.83%), 17/07-23/07 - 2198 (7.79%), 24/07-30/07 - 4063 (15.62%). Mortality for this week so far at 5573 (25.38%).

Vet attended site on 23/07/2020. Vet report stated mortality most likely attributed to increased stress due to high Caligus burden and secondary skin infections from opportunistic bacteria (Tenibaculum and Vibrio spp.)

AMX tarpaulin treatments carried out on all cages (30/07 - 03/08) with lice reduction of 91% - 97% per cage recorded. Salmon mortality has increased this reporting week (from 31/07) with losses so far of 11,091 (3.6%) attributed to post-treatment mortality. A mortality report is to be submitted to the FHI at the end of this week when the reporting week is complete.

Average Caligus levels before treatment reported as 65 (lumpfish) and 45 (salmon). Following treatment numbers fell to 4 (lumpfish) and 3.6 (salmon).

Average adult female sea lice (Lepeophtheirus salmonis) numbers have been consistently around 0.1.

Wrasse caught from Skye area. Lumpfish stocked from Anglesey (Ocean Matters)

Salmon stocked from Inverkerry (FS1061) and Girlsta (FS0504)

Neighbouring site Culnacnoc Salmon Farm (FS1344) to be stocked with S0's. Risk assessment for non-synchronous production in place, inspected during authorisation process.

Discharge consents in place for tarpaulin treatments. Site intends to only treat with Alphamax.

FHI 059, Versic	on 13		Issued	by: FHI		Date of is	sue: 12/05/2020
Case No:	2020-0036		Site No:	FS1344			
Date of case:	06/08/2020		]		Inspector(s):		1
Registration/A	Authorisation D	etails					
_	ontacts correct?		te summary she	et)			Y
Site Details							
Total No faciliti	es	12	No facilities sto	ocked	4	4	
Species	SAL	LUM	WRA			1	
Age group	S1 2020	2020	2020				
No Fish	304,993	16,381	2578				
Mean Fish Wt	266g	50g	200g				
Next Fallow Da	ite (Site)	August 2020		Next Input Date	e (Site)	Spring 2021	
Date of last ins	pection: (ECI or	PSI)	N/A	Ī			
Mortality Infor	mation						
•	ncreased or atyp	ical mortalities?	(last 4 weeks).				Y
If yes, detail:	71		,	additional comm	nents		
	ed mortalities? (s	since last inspec	tion.)				Y
If yes, detail:	As above, this i	is the first inspe	ction since the s	ite was registere	d on 31/03/202	0	
	rtalities disposed	d of?			Biogas - Energ	gen, Cumbernau	ld
If other detail:							
Treatments ar	nd Medicines						
	nts? (since last i	nspection)					Y
If yes, detail:	Alphamax	1		1		7	
Other:			<u> </u>	<u> </u>			
	and Results of						
•	on site? (since I		lumpfich coo	additional comm	onto		'
				n behalf of, the b			
<ol> <li>Thas arry arm</li> <li>Any significa</li> </ol>		marice been car	fied out by, or o	ii bellali ol, tile t	)usiriess :		Y
	See additionl co	omments					
<b>,</b> ,	occ addition of	ommonto					
Sea lice							
1. Has the site	experienced sea	a lice problems i	in the previous 4	years?			N
If yes, detail:							
2. Have lice lev	els stayed belov	v the suggested	criteria for treat	ment in the CoG	P since the last	t inspection?	Y
If no, detail:							
_		,	•		level of 3 or ab	ove (prior to w/b	N
10/6/19) or 2 or	r above (from w/	b 10/6/19) since	the last inspect	ion?			
•		•	•	ectorate? If no, s	see comment.		N/A
	e have treatment	t discharge cons		sea lice?		_	Y
If yes, detail:	Alphamax	I	Slice		Excis		Salmosan
•	eutic treatments	or the actions t	aken had a signi	ficant impact up	on the lice level	s recorded?	Y
If no, detail:		al farmer		an atata a	Invested to the first	I O - O D	
			ment agreement	or statement re	levant to the sit	e and CoGP	<u> </u>
	nent Area (or eq Farm Managem		uivalent) fallowe	ed synchronously	v on a single ve	ar class basis?	N
5. 15 110 5001	. a.m. managon	.5/11/11/04 (01/04	a.raiority railow	2 0,1.01110110101	, on a onigio ye	0.000 000101	

FHI 059, Version 13	Issued by: FHI	Date of issue: 12/05/2020
Escapes/Containment		
1 Any reported econogy (shock prior to phone call	1\	N

Escapes/Containment	
1. Any reported escapes? (check prior to phone call)	N
2. Any escapes? (since last inspection)	N
If yes, detail:	
(include date)	
Biosecurity Records	
1. Any significant changes to your biosecurity procedures since previous visit?	N
If yes, detail:	

FHI 059, Version 13		Issued by: FHI			Date of	of issue	: 12/05/2020
Case Number:	2020-0036		Site No:	FS1344		Insp:	
Date of Visit	06/08/2020		No of m	ovements/s	supp./dest.		Score
Live fish movements			0	1-5	6-10	>10	
Movements on (from out	Frequency of m	novements on from equivalent MS	0	5	10	14	0
with GB) of susceptible species		novements on from equivalent zone or	0	9	18	26	
	Number of sup	ncluding third country pliers	0		10	14	0
Movements off	Frequency of m		0			10	6
Movements on	Number of desi		0		6	10	3
Exposure via water		Site contacts	5 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 category I n or within 1 tidal excursion	1	2	4		2
	farms upstream	or in a coastal zone with category III or within 1 tidal excursion	1	3	6		
		or in a coastal zone with category V n or within 1 tidal excursion	1	4	8		
Management practices			None	Secure	Unsecure		
Water contacts with processors	Any processing	g plant discharging into adjacent waters	0	1	2		0
On farm processing within the rules of the directive	No on farm pro		0				
	Processing own	n fish (re-cycling risk)	1				1
		from MS of equivalent status	2				
	equivalent statu		4				
		from Category III farm	8				
	Processing fish	rfrom Category V farm	10				
Disposal of fish and fish by-	Site's own was	te only processed.	0	]			
products	Common proce	esses with other farms	3				3
	Collection point	t for waste from other farms	5				
Use of unpasteurised feeds	No feeding of u	Inpasteurised feed	0	1			0
·	Feeding unpas	teurised feed	5				
Biosecurity		Number of sites	5 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
between sites, use of footbaths etc	No		1				
CoGP/Regulator				-			
Practices in accordance with regulator or industry	Yes		0				0
code of practice	No		3				
Platform access to cages	Yes		0				0
	No		2	]			
					<b>Total</b> Rank		17 MEDIUM

Case No:	2020-0036			Date of visit:	06/08/2020			
Site No:	FS1344	Inspector:						
Results Summary	Freq.			Da	te of Notifica	ition		
Í	·	Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Insp
							-	
							-	
	1							
							-	
							-	
Report Summary				1				
Case Type	Date	Insp	2 <sup>nd</sup> Insp	1				
PSI	06/08/2020							





Organic Sea Harvest Ltd Macdonald House Somerled Square Portree IV51 9EH

# FISH HEALTH INSPECTORATE VISIT REPORT

### SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS NO FB0579 SITE NO FS1344

INSPECTOR

**DATE OF CASE** 06/08/2020

SITE NAME Invertote Salmon Farm

**CASE No** 20200036

# **Passive Surveillance Inspection**

A notification of increased lumpsucker mortality levels received by the Fish Health Inspectorate on for the period of 10/07/2020 to 31/07/2020.

A passive surveillance inspection was conducted by telephone to gather information in accordance with the Aquatic Animal Health (Scotland) Regulations 2009, and to meet the requirements of European Community Council Directive 2006/88/EC. Information was also gathered in accordance with the Aquaculture and Fisheries (Scotland) Act 2007, as amended, with respect to section 3 regarding parasites (sea lice).

Increased mortality was attributed to increased burden of *Caligus* sea lice on lumpsuckers, exacerbated by secondary bacterial infection. Recent treatments carried out under veterinary advice have reduced *Caligus* numbers significantly.

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

The surveillance frequency category of the site was assessed as 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.

Salmonid mortality levels are exceeding the reporting criteria during the week that this inspection took place. A mortality report will be submitted by the business at the end of the current reporting week so that accurate data is submitted.

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



Date: 06/08/2020

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Marine Scotland website at <a href="https://www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter">www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter</a>

FHI 059, Version 13		Issued by: FHI	Date of issue: 12/05/2020
Case No: 2020-0051			Date of visit: 21/08/2020
Time spent on site:	.5 hours	Main Insp	pector:
Site No: FS1241 Business No: FB0544	Site Name: Business Name:	Lothian Scotland	
Case Types: 1 STI	2 3	4 5	6
Water Temp (°C): 13.2	Thermometer No:	T147	FHI 045 completed
Observations:	Region: LO	Water type: B	CoGP MA:
Dead/weak/abnormally behaving Clinical signs of disease observed Gross pathology observed? Diagnostic samples taken?	•	N If yes, see additional	information/clinical score sheet. information/clinical score sheet. information/clinical score sheet.
UNI/REG only - if unable to carry	out intended visit deta	nil reason below:	

Inspection of private fish pond in Edinburgh following the placing of a confirmed designation notice (CDNb20200005) for the control of Koi Herpes Virus Disease (see case 2020-0322).

The pond was inspected to confirm there was no connection to natural waters and to discuss the requirements for the removal of the CDN with the pond owner.

The pond is manmade and fully contained (triple lined and enclosed by netting), with a recirculation system in place. There are no connections to natural waters.

The pond owner intends to keep the remaining fish in the pond until they die, as such the CDN will remain in place until that time. As the fish on site are likely to survive for several years, the pond will be registered with the FHI in order to maintain details for the site.

The remaining fish in the pond appeared healthy, the pond owner noted they have been feeding well and behaviour has been normal.

FHI 059, Version 13	3		Iss		Date of issue: 12/05/2020			
Case No:	2020-0051		Site No:	FS12	41			
Date of Visit:		21/08/202	0		Inspector(s	):		
Registration/Author	orisation De	tails						
1. Business/site det			site represer	ntative?			N/A	
2. Changes made t		,	·				N/A	
Site Details (inclu	de cleaner fi	sh for all sec	tions)					
Total No facilities		1	Facilities s	tocked	1	No faciliti	es inspected	1
Species	CAR	ORF						
Age group	Mix	Mix						
No Fish	10	4						
Mean Fish Wt	Mix	Mix						
Next Fallow Date (S		No immedia	ite plans	Next Input I	Date (Site)	N/A		
Recent (last 4 wks)	•		·		Y Any escape	s (since last	t visit)?	N
If yes, detail:			rus Disease	(see case 202			,	
4. Are movement re 5. Are records com 6. Are health certific  Transport Record 1. Are any movement If yes, is there a sys	plete and cor cates for intro s ents carried o	rectly entered oductions (out	? with GB) ava ehalf) of the	illable? business (not t	•		[	N/A N/A N/A
Mortality Records		i					-	NI/A
<ol> <li>Mortality records</li> <li>How are mortaliti</li> </ol>		•						N/A
If other detail:	es disposed	OI :						
Mortality records	complete an	d correctly on	torod?					N/A
4. Recent mortality	•	d correctly err	lereu :					14/74
<ol> <li>Kecent mortality</li> <li>Evidence of rece</li> </ol>	` ,	atunical morts	litios?					N/A
		• •		tu/roccon:			L	IN/A
If yes, facility nos/no	о тпоташу ре	r racility/110 St	ock per racili	ty/16a5011.				
6. Any other peaks	in mortality d	uring period c	hecked?					N/A
If yes, detail:								
7. Have increased (		mortalities be	een reported	to vet or FHI?				N/A
If yes, detail action:								
8. Have 'mortality e	vents' been r	eported to FH	I? If no, ente	er details on mo	ortality events:	sheet.		N/A

FHI 059, Version 13	Issued by: FHI	Date of issue: 12/05/2020
Treatments and Medicines Records  1. Recent treatments (see comment)?		

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

Case No:	2020-0051			Date of visit:	21/08/2020			
Site No:	FS1241	]		Inspector:		ı		
Results Summary	Freq.			Da	te of Notifica	tion		
,		Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Insp
					·	, J		2 11100
Report Summary				1				
Case Type	Date	Insp	2 <sup>nd</sup> Insp					
No report	Date	шэр	z IIISP					
rto roport								

FHI 059, Version 13		Issued by: FHI	Date of issue: 12/05/2020
Case No: 2020-0322			Date of visit: 11/08/2020
Time spent on site:	min	Main Inspecto	or:
Site No: FS1241 Business No: FB0544	Site Name: Business Name:	Lothian Scotland	
Case Types: 1 DIA	2 3	4 5	6
Water Temp (°C): N/A	Thermometer No:		FHI 045 completed
Observations:	Region: LO	Water type: B	CoGP MA
Dead/weak/abnormally behaving Clinical signs of disease observe Gross pathology observed? Diagnostic samples taken?	•	N/A If yes, see additional infor N/A If yes, see additional infor N/A If yes, see additional infor Y	mation/clinical score sheet.
UNI/REG only - if unable to carry	out intended visit deta	nil reason below:	

Koi carp received in the mail 11/08/2020 from a private koi pond owner. Concerns were raised with regards to a possible infection with KHV in a phone call to DI on 10/08/2020. Fish had been dead for approximately 24 hours so no histology samples were collected, the lab further advised not to collect a virology sample. Molgen, bacteriology and parasitology samples were collected.

Contact information for pond owner:

Details collect from phone call on 10/08/2020: Established (20 years) private garden pond in Moredun, south-east of Edinburgh, originally stocked with 4 adult orph, 2 goldfish and 10 mature koi of various sizes and ages up to 16 years. On 02/06/2020 introduced 10 x 5" koi and 10 shubunkins (goldfish breed). Some loses were expected following the introduction, however, all 10 koi that were introduced have died with no obvious external signs of disease. Administered 1 antibacterial and 1 antifungal treatment as a precaution. Since then, the older koi been dying, again with no obvious external signs of disease. The pond owner has discussed the mortality with the supplier and concluded that it was not an environmental cause as his water parameters were within the limits for the species held. The fish are dying one by one, not en mass.

One of the larger koi is now (10/8/20) lethargic and lying at the top of the pond near the aeration system. It is also displaying a sunken eye and the owner expects it to be dead by tomorrow (11/08/2020).

Stock currently thought to be left in the pond: 4 orph 10" adult 2 goldfish 8" 2 koi 10-12"

Couple of small shubunkins 4-5"

No movements on or off have taken place since the introduction on 02/06/2020. No introduction in the 3 years prior to that and no live movements off. Prior to movement restrictions being placed all mortalities disposed triple bagged to landfill (which in the area goes for incineration). The pond is not connected to any water ways. Movement restrictions placed following confirmation of KHV. The private garden pond was visited by an inspector on 21/08/2020 and will be authorised as a site going forward.

FHI 059, Version 13			Issu	ed by: FHI			Date of issue	: 12/05/2020
Case No:	2020-0322		Site No:	FS1241				
Date of Visit:		11/08/2020			Inspector(s):			
Registration/Authornamental 1. Business/site deta 2. Changes made to	ails summary c		te representa	itive?			N/A N/A	
Site Details (includ	e cleaner fish	for all secti	ons)					
Total No facilities			Facilities sto	cked		No facilities	s inspected	
Species	N/A							
Age group								
No Fish								
Mean Fish Wt				N (1 (5				
Next Fallow Date (S	· ·			Next Input Da	• • •	(aim and least a	:-:4\0	
Recent (last 4 wks)	disease proble	ms?			Any escapes	(since last \	/ISIT) ?	
3. Are records comp 4. Are movement re 5. Are records comp 6. Are health certific Transport Records 1. Are any movement If yes, is there a sys	cords available plete and correct ates for introdu this carried out	for dead fish ctly entered? actions (outwi	th GB) availa	able? siness (not usi			[	
Mortality Records							_	
Mortality records		•						N/A
2. How are mortalitie	es disposed of	?						
If other detail:			10					
3. Mortality records		correctly ente	rea?					
<ol> <li>Recent mortality (</li> <li>Evidence of recer</li> </ol>	•	mical mortali	tion?					
If yes, facility nos/no		•		reason:			L	
ii yes, lacility 1105/110	mortality per i	acility/110 Stot	ok per racility	Teason.				
6. Any other peaks i	n mortality duri	na period ch	ecked?					
If yes, detail:								
7. Have increased (	unexplained) m	ortalities bee	n reported to	vet or FHI?				
If yes, detail action:	ſ							
8. Have 'mortality ev	ents' been rep	orted to FHI?	If no, enter	details on mort	ality events sh	neet.		

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

08/2020	Addition	nal Sam	ple Infor	mation:							
2	1	Total To	ests ass	igned	9	l					

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

Case no: 2020-0322 Site No: FS1241 Method of killing: Unknown

Case no:	2020-0322	]	Site No	):	FS124	1	Me	ethod o	f killing:	Unkno	√n
Date of visit:	11/08/2020	]	Inspect	tor(s):				<b>S</b>	Sheet Ro	elevant:	Υ
<b>S</b> for strong preser	nce: M for medium presence: W for v	weak pres	sence								
Fish Number	·	F1									
Time sampled after	er death (if > 45 minutes)	24hrs									
External Signs											
Behaviour	Moribund										
	Lethargic Hanging vertical										
	Spiralling				_						
	Flashing										
	Loss of equilibrium				_						
Body	Dark										
	Distended abdomen				_						
	Anorexic										
	Scale Oedema										
Opercula	Shortened										
	Flared										
Haemorrhaging	Throat										
	Ventrum										
	Base of fins										
	Elsewhere										
Eyes	Exophthalmic										
	Enophthalmic (sunken)										
	Cataract										
	Haemorrhagic										
Gills	Pale										
	Zoned	S									
	Necrotic	М									
Lesions	Flank				_						
Vent	Elsewhere										
Vent	Inflamed										
Lice Load	Trailing faeces Estimate numbers										
Lice Load	Estimate numbers										
Internal Signs											
Ascites	Clear										
risonios	Bloody										
Oedema	In tissues										
Heart	Pale/anaemic								-		
	Granulomas										
	Deformed										
Liver	Petechial haem										
	Gross haem										
	Tissue breakdown										
	Enlarged										
	Colour number(s)										
	Granulomas										
B. I	Lesions										
Pyloric caeca	Petechial haem										
	Tubules mauve										
Cmlear	Lack of fat										
Spleen	Enlarged Granulomas										
Gut	No food present	S									
out	Yellow pseudo-faeces	_									
	External haem										
	Internal haem										
Body wall	Haemorrhaging										
Swim bladder	Haemorrhaging										
	Fluid filled										
Kidney	Swollen										
	Grey										
	Granular										
	Liquefied	M									
General	Parasites present										
	Anaemia										

Case no: 2020-0322

Date of visit: 11/08/2020

c for etrong procon	oco: M for modium proconco: W fo	T IA					
Fish Number	ice: M for medium presence: W fo	or w	_				
	er death (if > 45 minutes)						
External Signs	er death (ii > 45 illillidtes)						
Behaviour	Moribund						
Dellavioui	Lethargic						
	Hanging vertical						
	Spiralling	_					
	Flashing						
	Loss of equilibrium						
Body	Dark						
Dody	Distended abdomen	_					
	Anorexic						
	Scale Oedema	_					
Opercula	Shortened						
Opercuia	Flared						
Haemorrhaging	Throat						
naemonnaging	Ventrum						
	Base of fins		_				
	Elsewhere						
Even			_				
Eyes	Exophthalmic Enophthalmic (sunken)						
	Cataract						
Gills	Haemorrhagic Pale		_				
GIIIS	Zoned						
		$\overline{}$					
Lasiana	Necrotic Flank	_					
Lesions			_				
Mand	Elsewhere						
Vent	Inflamed		$\overline{}$				
	Trailing faeces						
Lice Load	Estimate numbers		$\rightarrow$				
Internal Signs			$\rightarrow$				
Ascites	Clear						
0 1	Bloody		$\rightarrow$				
Oedema	In tissues						
Heart	Pale/anaemic		_				
	Granulomas						
	Deformed		$\rightarrow$				
Liver	Petechial haem						
	Gross haem		$\overline{}$				
	Tissue breakdown						
	Enlarged						
	Colour number(s)						
	Granulomas						
	Lesions						
Pyloric caeca	Petechial haem						
	Tubules mauve						
	Lack of fat						
Spleen	Enlarged						
2 (	Granulomas						
Gut	No food present						
	Yellow pseudo-faeces						
	External haem						
	Internal haem						
Body wall	Haemorrhaging						
Swim bladder	Haemorrhaging						
	Fluid filled						
Kidney	Swollen						
	Grey						
	Granular						
	Liquefied						
General	Parasites present		I				
	Anaemia						

Additional comments:
No parasites observed, fat was visible in the body cavity but no feed observed in the gut. Adhesion was noted betwee
organs.

Issued by: FHI

Date of issue: 12/05/2020

FHI 059, Version 13

Site No: FS1241

Case No: 2020-0322

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

Case No:	2020-0322			Date of visit:	11/08/202	0		
AUGU INO.	2020-0322	1		Date of Visit.	11/00/202	<b>-</b>		
ite No:	FS1241	1		Inspector:				
Results Summary	Freq.				te of Notific			
		Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> In
/IG - KHV	1/1	13/08/2020		13/08/2020		09/09/2020		
/IG- CEV	01	13/08/2020		13/08/2020		09/09/2020		
/IG - SVC like	0/1	13/08/2020		13/08/2020		09/09/2020		
PA - Plumatella sp.	1/1	21/08/2020				09/09/2020		
PA - Nematode	1/1	21/08/2020				09/09/2020		
AERO	1/1	27/08/2020				09/09/2020		
FSPE	1/1	27/08/2020				09/09/2020		
	1							
	1	1						
	+							
	+							
	+	<del>                                     </del>						
	+							
	+							
	+							
Report Summary	1	1		1				
Case Type	Date	Insp	2 <sup>nd</sup> Insp	1				
DIA DIA	09/09/2020		Z insp					
	09/09/2020							
	+							
	+							
	+							
	4							





69 Mordun Park Gardens, Edinburgh, EH17 7LQ

# FISH HEALTH INSPECTORATE VISIT REPORT

# SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS NO FB0544
SITE NO FS1241
INSPECTOR

DATE OF VISIT 11/08/2020 SITE NAME Lothian CASE NO 20200322

# **Section 1: Summary**

The FHI received a phone call on 10/08/2020 to report increased mortality with the suspicion of a possible infection with koi herpesvirus (KHV) in a private koi pond in Edinburgh. A moribund fish that died shortly before being removed from the pond was posted to the FHI and a diagnostic sample was collected on 11/08/2020.

The koi carp tested positive Cyprinid herpesvirus 3 (CyHV-3) the causative agent of KHV. Signs of clinical disease were observed by the pond owner and the inspector observed necrotic gills, which is pathology consistent with KHV.

Flavobacterium columnare, as well as Aeromonas spp., were isolated. Although the bacteria isolated are not likely to be the primary source of the mortality they would pose a threat to fish health should the numbers increase or the fish population be compromised.

A small section of nematode was observed on the gills, consistent with *Philometra* sp. or *Philometroides* sp. which are common parasites of carp. Freshwater bryozoan floatoblasts of *Plumatella* sp. were also observed on the gills, however these are unlikely to have contributed to the mortality.

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 FHI received a phone call on 10/08/2020 to report increased mortality in a private koi pond in Edinburgh with the suspicion of a possible infection with koi herpesvirus (KHV) raised by the owner. A moribund fish that died shortly before being removed from the pond was posted to the FHI for a diagnostic sample. The koi carp was received on the 11/08/2020 and sampled. Due to the time between death and sampling only bacteriology, molecular genetics and parasitology samples were collected.

The fish was reported as lethargic and moribund with sunken eyes on 10/08/2020 prior to dying, when it was removed and posted to the marine laboratory for testing.

Upon arrival at the laboratory after the fish had been dead for approximately 24 hour, the fish showed zoned and necrotic gills. Fat was observed in the body cavity but there was no food present in the gut. The kidney was liquefied and adhesion was noted between organs.

## Samples

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

Fish number	Pool number	Species	Stage	Origin
F1	P1	Koi carp ( <i>Cyprinus</i> carpio)	~600g	Private Koi Pond

### Results

**Bacteriology:** Kidney and spleen material was inoculated onto appropriate media for the isolation of bacteria.

The following bacteria were isolated:

- Flavobacterium columnare
- Aeromonas spp.

Flavobacterium columnare was identified on the plate taken from spleen material, its identification was confirmed by 16s sequencing. From our antimicrobial sensitivity tests there is evidence of resistance to sulphamethoxazole/trimethoprim but no evidence of resistance to amoxycillin, florfenicol or oxytetracycline. Flavobacterium columnare is a known fish pathogen more usually isolated from slightly warmer climates, it is known to survive for extended periods in fresh water and mud.

Two motile *Aeromonas* spp. were identified on the plate taken from spleen material, these were identified as far as possible using phenotypic and biochemical tests. The most likely identifications are *Aeromonas hydrophila* and *Aeromonas hydrophila / caviae*. Both of these can be pathogenic to fish, however the level and purity of growth in this case would not suggest they are likely to be the primary source of mortality. From our antimicrobial sensitivity tests there is evidence of resistance to amoxycillin, but no evidence of resistance to oxytetracycline, sulphamethoxazole/trimethoprim or florfenicol.

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

Cyprinid herpesvirus 3 (CyHV-3)

Fish Number	Endogenous control Cp value		Reported Result (PCR)		
P1	20.79	28.20	28.27	28.20	POSITIVE

Partial sequencing of the DNA polymerase gene revealed 100% nucleotide identity with CyHV-3 strains.

Samples tested negative for carp edema virus (CEV), spring viraemia of carp virus (SVCV) and genetically related rhabdoviruses.

Parasitology: A gill arch was collected to determine the presence of parasites using light microscopy.

Gill filaments were observed to be necrotic in patches and quite dirty. Several elipsoid structures were observed on and within the gill filaments. These structures were identified as freshwater bryozoan floatoblasts of *Plumatella* sp. These bryozoans are unlikely to cause disease and their presence is likely the result of altered behaviour, eg. fish gathering at water/aeration inlets due to gill damage.

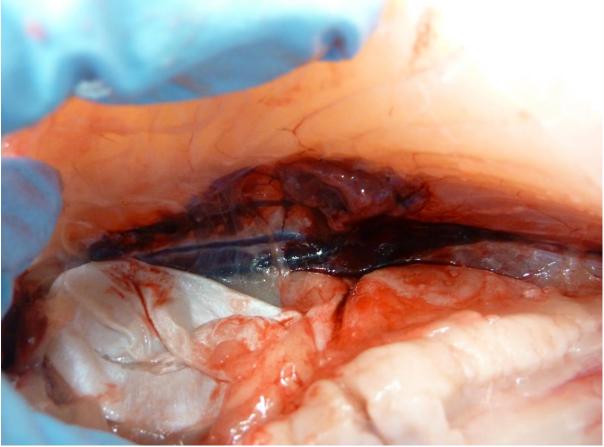
A small section of red-coloured nematode was observed, consistent with *Philometra* sp. or *Philometroides* sp. which are common parasites of carp.

Signed: Date: 09/09/2020
Fish Health Inspector

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Marine Scotland website at <a href="https://www.gov.scot/publications/fish-health-inspectorate-service-charter/">https://www.gov.scot/publications/fish-health-inspectorate-service-charter/</a>







FHI 059, Version 13		Issued by: FHI	Date of issue: 12/05/2020
Case No: 2020-0331			Date of visit: 17/08/2020
Time spent on site:	0.5 hrs	Main Inspe	ctor:
Site No: FS0575 Business No: FB0061	Site Name: Business Name:	Ormsary Smolt Unit Landcatch Natural Selection	n Ltd
Case Types: 1 MOV	2 3	4 5	6
Water Temp (°C):	Thermometer No:		FHI 045 completed
Observations:	Region: ST	Water type: F	CoGP MA:
Dead/weak/abnormally behaving Clinical signs of disease observed Gross pathology observed? Diagnostic samples taken?		N If yes, see additional in	formation/clinical score sheet. formation/clinical score sheet. formation/clinical score sheet.
UNI/REG only - if unable to carr	y out intended visit deta	il reason below:	

Export of 315 salmon parr (ref. no. md20/042, intra.gb.2020.0018001) to Wageningen University, Netherlands. Fish to be transported by Solway transport on 18/08/2020. C&D disinfection sheet for trailer to be used submitted by Solway Transport to FHI and inspected 14/08/2020.

Fish all coming from tank C16. Stock as of 13/08/2020 was 34,681 @ 16.2g average weight. No treatments carried out in the last 8 weeks.

No lethargic or moribund fish noted in the tank. Fish appeared in good health with no signs of disease.

FHI 059, Version 13			Issu	ied by: FHI			Date of issu	e: 12/05/2020
Case No:	2020-0331		Site No:	FS057	5			
Date of Visit:		17/08/202	0		Inspector(s	):		ı
Registration/Author	orisation Det	ails						
1. Business/site det	ails summary	checked by	site representa	ative?			Υ	1
2. Changes made to	•	·	·				N	]
Site Details (includ	de cleaner fis	sh for all sec	tions)					
Total No facilities		108	Facilities sto	ocked	98	No facilitie	es inspected	1
Species	SAL	SAL						
Age group	2020 S0	2020 S1						
No Fish	1,914,023	2,643,380						
Mean Fish Wt	48g	14g						
Next Fallow Date (S		None	•	Next Input D	ate (Site)	Jan. 2021	•	•
Recent (last 4 wks)	disease prob	lems?		1	N Any escape	s (since last	visit)?	N
If yes, detail:						·		
<ol> <li>Date of last inspersions.</li> <li>Are records composite.</li> <li>Are movement respective.</li> <li>Are records composite.</li> <li>Are health certifice.</li> <li>Transport Records.</li> <li>Are any moveme.</li> <li>If yes, is there a system.</li> </ol>	plete and corn ecords availab plete and corn cates for intro s nts carried ou	ole for dead firectly entered ductions (out	sh and waste?  with GB) availa  chalf) of the bu	able? usiness (not us			21/01/2020	N/A N/A N/A
<b>Mortality Records</b>								
1. Mortality records	available for	inspection?						Y
2. How are mortalities	es disposed d	of?			Incinerated	- on site		
If other detail:								
3. Mortality records	complete and	d correctly en	tered?					Y
4. Recent mortality	•			wks 29 - 33, a	total of 38 fis	sh (0.1%)		
5. Evidence of recei	nt increased/a	atypical morta	ılities?					N
If yes, facility nos/no	mortality pe	r facility/no st	ock per facility	/reason:				
6 Any other peaks	in martality du	uring paried a	hookod?					N
6. Any other peaks in the second of the seco	in mortality di	uning period c	necked?					N
7. Have increased (	unexplained)	mortalities ha	en reported to	o vet or FHI2				N/A
If yes, detail action:	anoxpiaineu)	Thortandes be	or reported to	0 7000111111				14// (
8. Have 'mortality ev	vents' been re	eported to FH	I? If no. enter	details on mo	rtality events	sheet.		N/A
			.,		,			

FHI 059, Version 13	Issued by: FHI	Date of issue: 12/05/2020
Treatments and Medicines Records		

Treatments and Medicines Records	
1. Recent treatments (see comment)?	
If yes, detail:	
If other, detail:	
2. Medicines records available for inspection?	
3. Are records complete and correctly entered?	
4. Are fish in a withdrawal period?	
5. If yes, what treatment(s)?	
If other, detail:	
6. Are medicines stored appropriately?	
D'accessité Dance la	
Biosecurity Records  4. Biosecurity records a socilable for inspection 2.	
Biosecurity records available for inspection?	
2. Has the manner and frequency of mortality removal, recording and safe disposal been considered?	
3. Has the manner and period in which the APB will notify Scottish Ministers or veterinary professional of any	
increased (unexplained) mortality at the site been included?	
4. Has the action that will be taken in the event that the presence or suspicion of the presence of a listed disease	
is detected been included and <i>how</i> and <i>when</i> that will be notified to Scottish Ministers?	
5. Has the health status of aquaculture animals being stocked on the farm site been covered (equal or higher	
health status, certification if required)?	
6. Have the husbandry and biosecurity measures implemented between each epidemiological unit to minimise	
transmission of disease been covered (movement of staff, visitors, equipment, live or dead fish etc.)?	
7. Is documentation available regarding the measures in place to maintain the physical containment of	
aquaculture animals held on site?	
8. Have the biosecurity procedures been adequately implemented on site?	
If no, detail:	
Results of Surveillance	
1. Has any animal health surveillance been carried out by, or on behalf of, the business?	Y
2. If yes, are results available for inspection?	Y
3. Any significant results?	N
If yes, detail (if not detailed under recent disease problems).	
Records checked between: 21/01/2020 - 17/08/2020	

Case No:	2020-0331			Date of visit:	17/08/2020					
Site No:	FS0575			Inspector:						
Results Summary	Freq.		Date of Notification							
		Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Insp		
D										
Report Summary	Doto	lnon	ond L							
Case Type MOV	Date 18/08/2020	Insp	2 <sup>nd</sup> Insp							
WOV	10/00/2020									





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

# FISH HEALTH INSPECTORATE VISIT REPORT

#### SUMMARY FOR INFORMATION OF SITE OPERATOR

Business No FB0061 Date of Visit 17/08/2020 Site No FS0575 Site Name Ormsary Smolt Unit

INSPECTOR CASE NO 20200331

## 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 parr for placing on the market in the Netherlands was inspected. A health certificate was issued which must travel with the consignment to the destination. The official authority in the importing country has been notified.

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

Signed: Date: 18/08/2020

Fish Health Inspector

FHI 059, Version 13	Is	sued by: FHI	Date of issue: 12/05/2020			
Case No: 2020-0340			Date of visit: 21/08/2020			
Time spent on site:	a	Main Inspect	or:			
Site No: FS0559 Business No: FB0169	Site Name: Business Name:	Ardyne The Scottish Salmon Compan	у			
Case Types: 1 PSI 2	3	4 5	6			
Water Temp (°C):	Thermometer No:		FHI 045 completed			
Observations:	Region: ST	Water type: S	CoGP MA: M-45			
Dead/weak/abnormally behaving to Clinical signs of disease observed Gross pathology observed? Diagnostic samples taken?	•	If yes, see additional information/clinical score sheet.  If yes, see additional information/clinical score sheet.  If yes, see additional information/clinical score sheet.				
UNI/REG only - if unable to carry	out intended visit detail r	eason below:				

Mortality information - Last 4 weeks

Week 33 - 20643 - 2.27% Week 32 - 4042 - 2.37% Week 31 - 3867 - 2.22% Week 30 - 292 - 0.21%

Dinoflagellate combined with solids in water after heavy rainfall resulted in environmental insult. Mortality is now back at normal levels and appetite are doing well.

Fish had been doing really well but have succumbed to an environmental insult casued by a multitude of factors in the loch. Environmental event lasted only a few days and mortality levels are back to normal. Harvesting procedures have commenced and fallow is expected within the month. Environmental insult combined with historic PGD is thought to have been the main source of high mortality.

FHI 059, Version 13		Issued by: FHI			Date o	ot issue	: 12/05/2020
Case Number:	2020-0340		Site No:	FS0559		Insp:	
Date of Visit	21/08/2020		No of m	ovements/s	supp./dest.		Score
Live fish movements			0	1-5	6-10	>10	
Movements on (from out	Frequency of m	novements on from equivalent MS	0	5	10	14	0
with GB) of susceptible species		novements on from equivalent zone or	0	9	18	26	0
·	Number of sup	ncluding third country pliers	0			14	0
Movements off	Frequency of m		0	ļ	ļI	10	10
Movements on	Number of desi		0		6	10	3
Exposure via water		Site contacts	5 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 category I n or within 1 tidal excursion	1	2	4		1
	farms upstream	or in a coastal zone with category III or within 1 tidal excursion	1	3	6		
		or in a coastal zone with category V n or within 1 tidal excursion	1	4	8		
Management practices			None	Secure	Unsecure		
Water contacts with processors	Any processing	g plant discharging into adjacent waters	0	1	2		1
On farm processing within the rules of the directive	No on farm pro		0				
	Processing own	n fish (re-cycling risk)	1				1
	Processing fish	from MS of equivalent status	2				
	equivalent statu		4				
	Processing fish	from Category III farm	8				
	Processing fish	rfrom Category V farm	10				
Disposal of fish and fish by-	Site's own was	te only processed.	0	1			
products	Common proce	esses with other farms	3				3
	Collection point	t for waste from other farms	5				
Use of unpasteurised feeds	No feeding of u	Inpasteurised feed	T 0	- 1			0
	Feeding unpas	<u> </u>	5				
Biosecurity		Number of sites	5 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		T 0	j			0
between sites, use of footbaths etc	No		1				
CoGP/Regulator				-			
Practices in accordance with regulator or industry	Yes		0				0
code of practice	No		3				
Platform access to cages	Yes		0				0
	No		2				
					<b>Total</b> Rank		21 MEDIUM

FHI 059, Versi	on 13		Issue	d by: FHI		Date of iss	sue: 12/05/2020
Case No:	2020-034	0	Site No:	FS0559	]		
Date of case:	21/08/2020		]		Inspector(s):		
Registration//	Authorisation D	Details					
Business/site	contacts correct	? (if no update s	ite summary sh	eet)			Y
Site Details							
Total No facilit	ies	10	No facilities st	tocked		4	
Species	SAL	WRS	LUM				
Age group	19 S1's	Q2 2019	Q4 2019				
No Fish	38,196	12200 + lum	12200 + wrs				
Mean Fish Wt		mixed	mixed				
Next Fallow Da	ate (Site)	Mid septembe	r 2020	Next Input Date	e (Site)	March 2021	
Date of last ins	spection: (ECI o	r PSI)	25/06/202	0			
Mortality Info	rmation						
_		pical mortalities?	? (last 4 weeks)				Y
If yes, detail:			See	additional inform	nation		
2. Any increas		(since last inspe	ction.)				Y
If yes, detail:	see additional						
	rtalities dispose	d of?			Whole fish - D	oundas Chemicals	3
If other detail:							
Treatments a	nd Medicines						
	ents? (since last	inspection)					Y
If yes, detail:	H2O2	7	Slice		T.M.S.	7	
Other:							
Health status	and Results of	f Survoillance					
		last inspection)					Y
If yes, detail:			ground SAV de	tected but not clir	nical		
	· · · · · · · · · · · · · · · · · · ·		•	on behalf of, the b			Υ
3. Any significa			, , , , , , , , , , , , , , , , , , ,	· · · · · · · · · · · · · · · · · · ·			N
If yes, detail							
Sea lice			in the second second	4			N
	experiencea se	ea lice problems	in the previous	4 years?			IN
If yes, detail:	vala atawa dibala		d avitavia fav tvaa	ton ant in the CaC	D since the lee	t in an action O	V
	veis stayed beid	w the suggested	criteria for trea	tment in the CoG	P since the las	t inspection?	Ť
If no, detail:	no adult famala	and line (L. anim	onia) numbora	per fish been at a	loval of 2 or ok	acya (prior to w/b	N
	≝'	//b 10/6/19) sinc		•	i level of 3 of al	pove (prior to w/b	IN
,	`	,			aa aammant		NI/A
		reported to the nt discharge con		pectorate? If no, s	see comment.		N/A
If yes, detail:	Alphamax		Salmosan		Slice	7	•
-		s or the actions t		 nificant impact up		ls recorded?	Y
If no, detail:	Tatio troatment	o or the detions	anon nad a sigi	одна ппраст ар	0.1 0.10 100 1000	.o rooordou:	,
	aned document	ed farm manage	ement agreemer	nt or statement re	levant to the sit	te and CoGP	Y
	ment Area (or e		agroomor				
			quivalent) fallow	ed synchronousl	y on a single ye	ear class basis?	Y

Escapes/Containment	
1. Any reported escapes? (check prior to phone call)	N
2. Any escapes? (since last inspection)	N
If yes, detail:	
(include date)	
Biosecurity Records	
1. Any significant changes to your biosecurity procedures since previous visit?	N
If yes, detail:	

Case No:	2020-0340			Date of visit:	21/08/2020			
Site No:	FS0559	1		Inspector:		ı		
Results Summary	Freq.			Da	te of Notifica	tion		
	·	Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Insp
	1							
	1							
Report Summary								
Case Type	Date	Insp	2 <sup>nd</sup> Insp					
PSI	28/08/2020		2 11100					





# FISH HEALTH INSPECTORATE VISIT REPORT

## SUMMARY FOR INFORMATION OF SITE OPERATOR

 Business No
 FB0169
 Date of Case
 21/08/2020

 Site No
 FS0559
 Site Name
 Ardyne

 Inspector
 Case No
 20200340

# **Passive Surveillance Inspection**

A notification of mortality levels above the reporting criteria was received by the Fish Health Inspectorate on 20/08/2020 for the period of 03/08/2020 to 09/08/2020.

Due to current government advice regarding the on-going situation with COVID-19 an inspection of the site could not be conducted. A passive surveillance inspection was conducted by telephone to gather information in accordance with the Aquatic Animal Health (Scotland) Regulations 2009, and to meet the requirements of European Community Council Directive 2006/88/EC. Information was also gathered in accordance with the Aquaculture and Fisheries (Scotland) Act 2007, as amended, with respect to section 3 regarding parasites (sea lice)

The FHI was notified by the operator that there had been increased mortality at the above mentioned site. The attributed cause of mortality was environmental insult and the site in question is due to be harvested out by mid-September.

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

The surveillance frequency category of the site was assessed as 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.

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



Fish Health Inspector

Date: 31/08/2020

FHI 059, Version 13		Issued by: FHI	Date of issue: 12/05/2020			
Case No: 2020-0341			Date of visit: 21/08/2020			
Time spent on site:	n/a	Main Inspecto	or:			
Site No: FS1056 Business No: FB0169	Site Name: Business Name:	Strone Point The Scottish Salmon Compan	у			
Case Types: 1 PSI	2 3	4 5	6			
Water Temp (°C):	Thermometer No:		FHI 045 completed			
Observations:	Region: ST	Water type: S	CoGP MA: M-45			
Dead/weak/abnormally behavin Clinical signs of disease observ Gross pathology observed? Diagnostic samples taken?	~ .	If yes, see additional infor	rmation/clinical score sheet. rmation/clinical score sheet. rmation/clinical score sheet.			
UNI/REG only - if unable to carry out intended visit detail reason below:						

Mortality information (last 4 weeks)

Week 33 - 79381 - 32.84% Week 32 - 8182 - 3.09% Week 31 8627 - 2.17% Week 30 - 3287 - 0.82% Week 28 - 6682 - 1.48%

Dinoflagellate combined with solids in water after heavy rainfall resulted in environmental insult. Mortality is now back at normal levels and appetite are doing well.

Fish have been doing really well but have succumbed to an environmental insult caused by a multitude of factors in the loch. Environmental event lasted only a few days and mortality levels are back to normal. Harvesting procedures have commenced and fallow is expected within the month. Environmental insult combined with historic PGD is thought to have been the main source of high mortality.

FHI 059, Version 13		Issued by: FHI			Date of	of issue	: 12/05/2020
Case Number:	2020-0341		Site No:	FS1056		Insp:	
Date of Visit	21/08/2020		No of m	ovements/s	supp./dest.		Score
Live fish movements			0	1-5	6-10	>10	
Movements on (from out	Frequency of m	novements on from equivalent MS	0	5	10	14	0
with GB) of susceptible species		novements on from equivalent zone or	0	0	40	200	0
Species .	Number of supp	ocluding third country	0		18 10	26 14	0
							0
Movements off	Frequency of m		0		6	10	10
Exposure via water	Number of dest	Site contacts			6-10	10	3
Water contacts with other	Farm is protect	ed (secure water supply through	, <u> </u>	I -3	0-10		
farms (holding species	disinfection or b	oorehole)	0				
susceptible to same diseases)	farms upstream	or in a coastal zone with category I or within 1 tidal excursion	1	2	4		2
	farms upstream	or in a coastal zone with category III or within 1 tidal excursion	1	3	6		
		or in a coastal zone with category V or within 1 tidal excursion	1	4	8		
Management practices			None	Secure	Unsecure		
Water contacts with processors	Any processing	plant discharging into adjacent waters	0	1	2		1
On farm processing within the rules of the directive	No on farm pro		0				
	Processing own	n fish (re-cycling risk)	1				1
	Processing fish	from MS of equivalent status	2	1			
	Processing fish equivalent statu	from zone or compartment of	4				
		from Category III farm	8				
	Processing fish	from Category V farm	10				
Disposal of fish and fish by-	Site's own wast	e only processed.	0	<u>.</u> 			
products	Common proce	sses with other farms	3				3
	Collection point	for waste from other farms	5				
Use of unpasteurised feeds	No feeding of u	npasteurised feed	0	i I			0
·	Feeding unpast	<u> </u>	5				
Biosecurity		Number of sites	1	ı 2 or 3	≥ 4		
Contacts with other sites	Sites operating	from single shorebase	0	1	2		1
	Sites sharing st	aff and equipment	0	1	2		1
Disinfection of equipment	Yes		0				0
between sites, use of footbaths etc	No		1				
CoGP/Regulator							
Practices in accordance	Yes		0				0
with regulator or industry code of practice	No		3				
Platform access to cages	Yes		0				0
	No		2				
					Total		22
					Rank		MEDIUM

FHI 059, Version	on 13		Issued	by: FHI		Date of issue: 12/05/2020
Case No:	2020-034	1	Site No:	FS1056	5	
Date of case:	21/08/2020		]		Inspector(s):	
Registration/A	Authorisation D	etails				
Business/site of	contacts correct	? (if no update si	te summary she	eet)		Y
Site Details						
Total No faciliti	es	14	No facilities sto	ocked	10	7
Species	SAL	WRS	LUMP			
Age group	19 s1's	2019	2019			
No Fish	95,821	34000 +lump	34000 + WRS			
Mean Fish Wt		Mixed	Mixed			
Next Fallow Da	ate (Site)	Mid september	2020	Next Input Dat	e (Site)	March 21
Date of last ins	pection: (ECI or	PSI)	23/07/2020	D		
Mortality Info	rmation					
•	ncreased or aty	oical mortalities?	,			Y
If yes, detail:				additional inforn	nation	
		since last inspec	tion.)			Y
If yes, detail:	see additional rtalities dispose				Whala fish D	undas Chamicals
If other detail:	rtaillies dispose	u 01?			whole lish - D	undas Chemicals
1. Any disease If yes, detail:	and Results of on site? (since Low levels of A mal health surve ant results?		ality event ried out by, or o		ousiness?	Y
Sea lice						
1. Has the site If yes, detail:	experienced se	a lice problems i	n the previous 4	years?		N
•	els stayed belo	w the suggested	criteria for treat	ment in the CoC	SP since the last	inspection? Y
If no, detail:		33				
3. Have average	ge adult female	sea lice (L. salm	onis) numbers p	er fish been at a	a level of 3 or ab	ove (prior to w/b N
10/6/19) or 2 o	r above (from w	/b 10/6/19) since	the last inspec	tion?		
		reported to the F	•		see comment.	N/A
		nt discharge cons		sea lice?		Y
If yes, detail:	Alphamax		Salmosan		Slice	
	eutic treatments	or the actions to	aken nad a sign	ificant impact up	on the lice level	s recorded?
If no, detail:	aned documents	ed farm managei	ment agreemen	t or statement re	alevant to the city	e and CoGP Y
	ment Area (or e		nent agreemen	t or statement le	novant to the site	C and Gool
		nent Area (or eq	uivalent) fallow	ed synchronousl	y on a single ye	ar class basis?

FHI 059, Version 13	Issued by: FHI	Date of issue: 12/05/2020
Escapes/Containment		
1 Any reported ascanes? (check prior to phone call)		N

Escapes/Containment					
Any reported escapes? (check prior to phone call)					
2. Any escapes? (since last inspection)		N			
If yes, detail:					
(include date)					
Biosecurity Records					
1. Any significant changes to your biosecurity procedures since previous visit?		N			
If yes, detail:					

Case No:	2020-0341			Date of visit:	21/08/2020			
Site No:	FS1056	1		Inspector:		ı		
Results Summary	Freq.			Da	te of Notifica	tion		
Í	·	Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Insp
	1							
	1							
Report Summary								
Case Type	Date	Insp	2 <sup>nd</sup> Insp					
PSI	28/08/2020		2 11100					





# FISH HEALTH INSPECTORATE VISIT REPORT

## SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS NOFB0169DATE OF CASE21/08/2020SITE NOFS1056SITE NAMEStrone PointINSPECTORCASE NO20200341

# **Passive Surveillance Inspection**

A notification of mortality levels above the reporting criteria was received by the Fish Health Inspectorate on 20/08/2020 for the period of 03/08/2020 to 09/08/2020.

Due to current government advice regarding the on-going situation with COVID-19 an inspection of the site could not be conducted. A passive surveillance inspection was conducted by telephone to gather information in accordance with the Aquatic Animal Health (Scotland) Regulations 2009, and to meet the requirements of European Community Council Directive 2006/88/EC. Information was also gathered in accordance with the Aquaculture and Fisheries (Scotland) Act 2007, as amended, with respect to section 3 regarding parasites (sea lice).

The FHI was notified by the operator that there had been increased mortality at the above mentioned site. The attributed cause of mortality was environmental insult and the site in question is due to be harvested out by mid-September.

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

The surveillance frequency category of the site was assessed as 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.

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



Fish Health Inspector

Date: 31/08/2020

FHI 059, Version 13		Issued by: FHI	Date of issue: 12/05/2020
Case No: 2020-0342			Date of visit: 21/08/2020
Time spent on site:	a	Main Inspecto	or:
Site No: FS1281 Business No: FB0169	Site Name: Business Name:	Sgian Dubh The Scottish Salmon Compan	у
Case Types: 1 PSI 2	3	4 5	6
Water Temp (°C):	Thermometer No:		FHI 045 completed
Observations:	Region: ST	Water type: S	CoGP MA: M-45
Dead/weak/abnormally behaving to Clinical signs of disease observed Gross pathology observed? Diagnostic samples taken?	•	If yes, see additional infor	mation/clinical score sheet. mation/clinical score sheet. mation/clinical score sheet.
UNI/REG only - if unable to carry	out intended visit detai	il reason below:	

Mortality information (last 4 weeks)

Week 33 - 102344 - 39.55% Week 32 - 11582 - 2.12% Week 31 - 5107 - 1.46% Week 30 - 7464 - 1.82%

Week 49 (2019) - 13048 - 1.58% Week 46 (2019) - 15895 - 1.76%

Sgian dbhu has been one of the worst affected sites in loch striven due to historic levels of PD and AGD levels, higher biomass may have exacerbated effects of environmental insult, site is also closest to the freshwater run off and therefore would have been the most exposed to suspended solids in the loch after the extreme recent downpour.

Dinoflagellate combined with solids in water after heavy rainfall resulted in environmental insult. Mortality is now back at normal levels and appetite are doing well.

Fish have been doing really well but have succumbed to an environmental insult caused by a multitude of factors in the loch. Environmental event lasted only a few days and mortality levels are back to normal. Harvesting procedures have commenced and fallow is expected within the month. Environmental insult combined with historic PGD is thought to have been the main source of high mortality.

FHI 059, Version 13		Issued by: FHI			Date	of issue:	: 12/05/2020
Case Number:	2020-0342		Site No:	FS1281		Insp:	
Date of Visit	21/08/2020		No of m	ovements/s	supp./dest.		Score
Live fish movements			0	1-5	6-10	>10	
Movements on (from out	Frequency of m	novements on from equivalent MS	0	5	10	14	0
with GB) of susceptible species		novements on from equivalent zone or			40	00	0
species	compartment in Number of sup	ncluding third country	0		18 10	26 14	0
							0
Movements off	Frequency of m		0			10	10
Fyma ayra via yyatar	Number of des	tinations Site contacts	0			10	3
Exposure via water Water contacts with other	Farm is protect	ed (secure water supply through	5 0 T	1-5 	0-10		
farms (holding species	disinfection or l		0				
susceptible to same		or in a coastal zone with category I		_			
diseases)	<u> </u>	n or within 1 tidal excursion	1	2	4		2
		or in a coastal zone with category III or within 1 tidal excursion	1	3	6		
		or in a coastal zone with category V					
	farms upstream	or within 1 tidal excursion	1	4	8		
Management practices			None	Secure	Unsecure		
Water contacts with	Any processing	plant discharging into adjacent waters	;				
processors			0	1	2		1
On farm processing within	No on farm pro	cessing	0	1			
the rules of the directive	Processing own	n fish (re-cycling risk)	1				1
	Processing fish	from MS of equivalent status	2				<u>'</u>
		from zone or compartment of					
	equivalent statu		4				
	Processing fish	from Category III farm	8				
	Processing fish	from Category V farm	10				
Disposal of fish and fish by-	Site's own was	te only processed.	0	]			0
products	Common proce	esses with other farms	3				3
	Collection point	t for waste from other farms	5				
Use of unpasteurised feeds	No fooding of u	Inpasteurised feed	<u> </u>	J 1			
Ose of unpasteurised reeds	Feeding unpas	•	5				
Biosecurity	r ccairig aripas	Number of sites		] 2 or 3	≥4		
Contacts with other sites	Sites operating	from single shorebase	0	1	2		1
		taff and equipment	0		2		1
		ин ана очирноне	0	<u>'</u>			
Disinfection of equipment between sites, use of	Yes		0				0
footbaths etc	No		1				
CoGP/Regulator				•			
Practices in accordance	Yes		0				0
with regulator or industry code of practice	No		3				
oud of practice				J			
Platform access to cages	Yes		0				0
	No		2				
					<b>-</b>		
					Total		MEDIUM
					Rank		MEDIUM

FHI 059, Versio	n 13		Issued	by: FHI		Date of iss	sue: 12/05/2020
Case No:	2020-0342		Site No:	FS1281			
Date of case:	21/08/2020				Inspector(s):		İ
Registration/A	uthorisation D	etails					
_			site summary she	et)			Y
Site Details							
Total No facilitie	es	1	6 No facilities sto	cked	9	1	
Species	SAL	WRS	LUMP				
Age group	19 S1's	2019	2019				
	111,214	45000 inc	45000 inc				
No Fish		LUM	WRS				
Mean Fish Wt	ŭ	mixed	mixed		(=)		
Next Fallow Da	te (Site)	Mid Septemb	er 2020	Next Input Date	e (Site)	March 2021	
Date of last insp	pection: (ECI or	PSI)	02/10/2019	]			
Mortality Infori	mation						
		ical mortalities	? (last 4 weeks).				Y
If yes, detail:	ordered or dryp	ioai iiioitaiitioo		additional inform	nation		
2. Any increase	d mortalities? (s	since last inspe		additional inform	lation		Y
	See additional	•					
3. How are mor					Whole fish - Do	undas Chemicals	3
If other detail:	·				•		
Treatments an	d Modicinos						
1. Any treatmen		nspection)					Y
	T.M.S.	<b>1</b>	Slice	1	H2O2	1	·
Other:	1 .101.0.		Olice		11202		
Health status a							V
1. Any disease	· ·	• •					Y
			with elevated bio			population. Wk22	
		illance been ca	arried out by, or o	n benair or, the t	ousiness?		Y
3. Any significar			la a a a a attuilla cota al ta	DD Oill beath			Ť
If yes, detail	See above - Mi	ortality has not	been attributed to	PD - Gill nealtr	n nas been main	issue.	
Sea lice							
	experienced sea	a lice problems	in the previous 4	vears?			N
If yes, detail:				,			
· ·	els staved belov	w the suggeste	d criteria for treat	ment in the CoG	P since the last	inspection?	Y
If no, detail:		i iiio ouggooio					
*	e adult female s	sea lice (L. salr	nonis) numbers p	er fish been at a	level of 3 or ab	ove (prior to w/b	N
		,	ce the last inspect			4	
4. If yes to 3, ha	ave these been	reported to the	Fish Health Inspe	ectorate? If no,	see comment.		N/A
5. Does the site	have treatmen	t discharge cor	nsents relevant to	sea lice?		_	Y
	Alphamax		Salmosan		Slice		
6. Have therape	eutic treatments	or the actions	taken had a signi	ficant impact up	on the lice level	s recorded?	Y
If no, detail:							
			ement agreement	or statement re	levant to the site	and CoGP	Y
Farm Managem			quivolent) felle	ad ay makasasasas	u on o dinala con	or alogo besiso	
o. Is the CodP	raiiii wanagem	ient Area (or e	quivalent) fallowe	su synchronousi	y on a single yea	ai ciass dasis?	'

FHI 059, Version 13	Issued by: FHI	Date of issue: 12/05/2020
Escapes/Containment		
1 Any reported ascanes? (check prior to phone call)		N

Escapes/Containment	
1. Any reported escapes? (check prior to phone call)	N
2. Any escapes? (since last inspection)	N
If yes, detail:	
(include date)	
Biosecurity Records	
1. Any significant changes to your biosecurity procedures since previous visit?	N
If yes, detail:	

Case No:	2020-0342			Date of visit:	21/08/2020			
Site No:	FS1281	1		Inspector:		ı		
Results Summary	Freq.			Da	te of Notifica	tion		
Í	·	Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Insp
							-	
D 10								
Report Summary	5 .		nd .					
Case Type	Date	Insp	2 <sup>nd</sup> Insp					
PSI	28/08/2020							





# FISH HEALTH INSPECTORATE VISIT REPORT

## SUMMARY FOR INFORMATION OF SITE OPERATOR

Business NoFB0169Date of Case21/08/2020Site NoFS1281Site NameSgian DubhInspectorCase No20200342

# **Passive Surveillance Inspection**

A notification of mortality levels above the reporting criteria was received by the Fish Health Inspectorate on 20/08/2020 for the period of 03/08/2020 to 09/08/2020.

Due to current government advice regarding the on-going situation with COVID-19 an inspection of the site could not be conducted. A passive surveillance inspection was conducted by telephone to gather information in accordance with the Aquatic Animal Health (Scotland) Regulations 2009, and to meet the requirements of European Community Council Directive 2006/88/EC. Information was also gathered in accordance with the Aquaculture and Fisheries (Scotland) Act 2007, as amended, with respect to section 3 regarding parasites (sea lice).

The FHI was notified by the operator that there had been increased mortality at the above mentioned site. The attributed cause of mortality was environmental insult and the site in question is due to be harvested out by mid-September.

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

The surveillance frequency category of the site was assessed as 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.

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



Fish Health Inspector

Date: 31/08/2020

FHI 059, Version 13		Issued by: FHI	Date of issue: 12/05/2020			
Case No: 2020-0343			Date of visit: 21/08/2020			
Time spent on site:	n/a	Main Inspecto	r:			
Site No: FS0752 Business No: FB0169	Site Name: Business Name:	Taranaish The Scottish Salmon Company	,			
Case Types: 1 PSI	2 3	4 5	6			
Water Temp (°C):	Thermometer No:		FHI 045 completed			
Observations:	Region: WI	Water type: S	CoGP MA: W-1			
Dead/weak/abnormally behaving Clinical signs of disease observed Gross pathology observed? Diagnostic samples taken?	•	If yes, see additional information/clinical score sheet.  If yes, see additional information/clinical score sheet.  If yes, see additional information/clinical score sheet.				
UNI/REG only - if unable to carry	out intended visit deta	nil reason below:				

Mortality information (last 4 weeks)

week 33 - 15807 - 4.09%) week 32 - 8084 - 1.96% week 31 - 2961 - 0.71%) week 30 - 1078 - 0.25%

week 28 - 7016 - 1.55% (post treatment)

Gill health and a mixture of PGD and post treatment mortality, site manager has reported jelly fish in the area. FW treatment had post mortality within the crowd, Mechanical treatment had post treatment mortality recently in certain pens worst affected by gill health and environmental.

FHI 059, Version 13		Issued by: FHI			Date	of issue:	: 12/05/2020
Case Number:	2020-0343		Site No:	FS0752		Insp:	
Date of Visit	21/08/2020		No of m	ovements/s	supp./dest.		Score
Live fish movements			0	1-5	6-10	>10	
Movements on (from out	Frequency of m	novements on from equivalent MS	0	5	10	14	0
with GB) of susceptible species		novements on from equivalent zone or			40	00	0
species	compartment in Number of sup	ncluding third country	0		18 10	26 14	0
Movements off	Frequency of m		0			10	10
	Number of des	inations Site contacts	0			10	3
Exposure via water Water contacts with other	Farm is protect	ed (secure water supply through	5 0 T	1-5 	0-10		
farms (holding species	disinfection or l		0				
susceptible to same		or in a coastal zone with category I		_			
diseases)	<u> </u>	or within 1 tidal excursion	1	2	4		2
		or in a coastal zone with category III or within 1 tidal excursion	1	3	6		
		or in a coastal zone with category V					
	farms upstream	or within 1 tidal excursion	1	4	8		
Management practices			None	Secure	Unsecure		
Water contacts with	Any processing	plant discharging into adjacent waters	;				
processors			0	1	2		0
On farm processing within	No on farm pro	cessing	0	1			
the rules of the directive	Processing own	n fish (re-cycling risk)	1				1
	Processing fish	from MS of equivalent status	2				<del>  '</del>
		from zone or compartment of					
	equivalent statu		4				
	Processing fish	from Category III farm	8				
	Processing fish	from Category V farm	10				
Disposal of fish and fish by-	Site's own was	te only processed.	0	]			
products	Common proce	esses with other farms	3				3
	Collection point	t for waste from other farms	5				
Use of unpasteurised feeds	No fooding of u	npasteurised feed	1 0	J 1			
Ose of unpasteurised reeds	Feeding unpas	•	5				0
Biosecurity	r ccairig aripas	Number of sites		] 2 or 3	≥ 4		
Contacts with other sites	Sites operating	from single shorebase	0	1	2		1
		taff and equipment	0		2		'
			0	<u>'</u>			<u> </u>
Disinfection of equipment between sites, use of	Yes		0				0
footbaths etc	No		1				
CoGP/Regulator				•			
Practices in accordance	Yes		0				0
with regulator or industry code of practice	No		3				
occo or practice				ı			
Platform access to cages	Yes		0				0
	No		2				
					_		
					Total		21
					Rank		MEDIUM

FHI 059, Version	on 13		Issued	by: FHI		Date of issue: 12/05/2020
Case No:	2020-0343		Site No:	FS0752		
Date of case:	21/08/2020		]		Inspector(s):	
Registration/A	Authorisation D	etails				
Business/site of	contacts correct?	(if no update si	te summary she	et)		Y
Site Details						
Total No faciliti	es	16	No facilities sto	cked	8	3
Species	SAL	Lump				
Age group	19 S1's	2019				
No Fish	166,833	50,000				
Mean Fish Wt		40g				
Next Fallow Da	ate (Site)	Early October:	2020	Next Input Date	e (Site)	Feb/march 2021
Date of last ins	pection: (ECI or	PSI)	10/04/2020	]		
Mortality Info						
•	ncreased or atyp	ical mortalities?	,			Y
If yes, detail:				additional inform	nation	
	ed mortalities? (		ction.)			Y
If yes, detail:	see additional				Oth an (data:1)	
	rtalities disposed whole fish to W		kloo		Other (detail)	
If yes, detail: Other: Health status 1. Any disease If yes, detail: 2. Has any anii	mal health surve	Surveillance last inspection) - detection of P	H2O2  D but not clinical ried out by, or or		T.M.S.	Y
3. Any signification of the second of the se	ant results? see above					Y
If yes, detail: 2. Have lice lev If no, detail: 3. Have averag 10/6/19) or 2 o 4. If yes to 3, h 5. Does the site	loch that site is yels stayed below sea lice number ge adult female so r above (from wave these been e have treatments)	w the suggested or regularly spike sea lice (L. salm /b 10/6/19) since reported to the	e the last inspect Fish Health Inspe sents relevant to	ment in the Cocor treatment. er fish been at a ion? ectorate? If no, s	P since the last a level of 3 or ab see comment.	inspection?  Nove (prior to w/b  N/A
If no, detail: 7. Is there a signal Farm Manager	gned documente ment Area (or ed	ed farm manage puivalent)?	Salmosan aken had a signi ment agreement uivalent) fallowe	or statement re	levant to the site	e and CoGP Y

Escapes/Containment						
1. Any reported escapes? (check prior to phone call)						
2. Any escapes? (since last inspection)	N					
If yes, detail:						
(include date)						
Biosecurity Records						
biosecurity records						
1. Any significant changes to your biosecurity procedures since previous visit?	N					
If yes, detail:						

Case No:	2020-0343			Date of visit:	21/08/2020					
Site No:	FS0752	Inspector:								
Results Summary	Freq.	Date of Notification								
Í	·	Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Insp		
							-			
D 10										
Report Summary	5 .		nd .							
Case Type	Date	Insp	2 <sup>nd</sup> Insp							
PSI	28/08/2020									





# FISH HEALTH INSPECTORATE VISIT REPORT

## SUMMARY FOR INFORMATION OF SITE OPERATOR

Business NoFB0169Date of Case21/08/2020Site NoFS0752Site NameTaranaishInspectorCase No20200343

# **Passive Surveillance Inspection**

A notification of mortality levels above the reporting criteria was received by the Fish Health Inspectorate on 20/08/2020 for the period of 03/08/2020 to 09/08/2020.

Due to current government advice regarding the on-going situation with COVID-19 an inspection of the site could not be conducted. A passive surveillance inspection was conducted by telephone to gather information in accordance with the Aquatic Animal Health (Scotland) Regulations 2009, and to meet the requirements of European Community Council Directive 2006/88/EC. Information was also gathered in accordance with the Aquaculture and Fisheries (Scotland) Act 2007, as amended, with respect to section 3 regarding parasites (sea lice).

The FHI was notified by the operator that there had been increased mortality at the above mentioned site. The attributed cause of mortality was environmental insult and treatment losses.

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

The surveillance frequency category of the site was assessed as 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.

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



Fish Health Inspector

Date: 31/08/2020

FHI 059, Version 13	Issu	ed by: FHI	Date of issue: 12/05/2020
Case No: 2020-0353			Date of visit: 25/08/2020
Time spent on site:	A	Main Inspecto	or:
Site No: FS0742 Business No: FB0119	Site Name: Business Name:	Glenfinnan Mowi Scotland Ltd	
Case Types: 1 PSI 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 to Clinical signs of disease observed Gross pathology observed? Diagnostic samples taken?	·	If yes, see additional infor	mation/clinical score sheet. mation/clinical score sheet. mation/clinical score sheet.
UNI/REG only - if unable to carry	out intended visit detail rea	son below:	

PSI carried out following report of increased mortality by business - w/b 10/08/20: 61,188 (8.07%)

Recent transfer of fish onto site from Inchmore (FS0226). 200,000 on 13/08/20 and 105,000 on 14/08/2020.

On days of transfer site temperature recorded as 17.2 °C and 17.4 °C respectively. Dissolved oxygen levels on site were normal.

On the 14th, fish transferred on 13th appeared lethargic and mortality began to increase. Water samples showed no significant plankton levels. Examination of the fish, showed some minor gill pathology. A significant amount of vaccine was observed in the gut and increased levels of adhesion were also observed. No plankton was observed in the gut. No other pathology was observed.

Fish had recently been vaccinated at Inchmore with PD7 and a Pasteurella skyensis vaccine.

Subsequent water samples on 17th and 21st showed increasing levels of plankton with Asterionella sp and Cyanobacteria identified - 25/ml and 70/ml respectively, however by this time mortality had reduced significantly.

Mortality affected only the newly introduced stock, with a loss of approximately 20%. The mortality is attributed to a stress event, potentially influenced by the transfer of the stock, high temperatures and increasing plankton at the site.

The following week (w/b 17/08/20) mortality fell to 672 across site. The two weeks before the mortality event, mortality was 11 and 35 across the site respectively.

FHI 059, Version	on 13		Issued	by: FHI		Date of issu	ue: 12/05/2020
Case No:	2020-0353		Site No:	FS0742			
Date of case:	25/08/2020				Inspector(s):		
	Authorisation De			۸		_	V
Business/site of	contacts correct?	(if no update sit	e summary she	et)		L	Y
Site Details			l			,	
Total No faciliti Species		32	No facilities sto	cked	12	2	
Age group	SAL Parr						
No Fish	640,627						
Mean Fish Wt	56 g						
Next Fallow Da	ate (Site)	October 2020		Next Input Date	e (Site)	November 2020	
Date of last ins	spection: (ECI or	PSI)	21/02/2019	]			
Mortality Info	rmation					_	
•	ncreased or atyp		,				Y
If yes, detail:	w/b/10/08	/20 - 61,188 (8.0		I to stress event ation for further		sferred fish. See a	dditional
2. Any increase	ed mortalities? (s	since last inspec					N
If yes, detail:							
3. How are mo If other detail:	rtalities disposed	l of?			Biogas - Energ	en, Cumbernauld	
ii oti ici detaii.							
Treatments an							N/
1. Any treatme If yes, detail:	nts? (since last in Formalin	nspection) <b>I</b>		1		- F	Y
Other:	I Omiaiii						
Hoolth status	and Results of	Survoillance					
	on site? (since I					Г	N
If yes, detail:		,					
-	mal health surve	illance been car	ried out by, or o	n behalf of, the b	ousiness?		Y
3. Any significa	ant results?						N
If yes, detail							
Sea lice							
1. Has the site	experienced sea	a lice problems in	n the previous 4	years?			N/A
If yes, detail:							
	vels stayed below	v the suggested	criteria for treat	ment in the CoG	P since the last	inspection?	N/A
If no, detail:	ge adult female s	ea lice (L. salm)	nis) numbers n	er fish heen at a	level of 3 or ab	ove (prior to w/b	N/A
	r above (from w/	•			riever or o or ub	ove (prior to w/b	14/71
4. If yes to 3, h	ave these been i	reported to the F	ish Health Insp	ectorate? If no, s	see comment.	Г	N/A
	e have treatment	•	•				N/A
If yes, detail:		l		]		] [	N1/A
•	eutic treatments	or the actions ta	iken had a signi	ficant impact up	on the lice level	s recorded?	N/A
If no, detail: 7 Is there a significant of the sign	gned documente	d farm manager	nent agreement	or statement re	levant to the site	and CoGP	N/A
	ment Area (or eq		nont agreement	or diatoment le	iovant to the site		
	P Farm Managem		uivalent) fallowe	ed synchronousl	y on a single yea	ar class basis?	N/A

FHI 059, Version 13	Issued by: FHI	Date of issue: 12/05/2020
Escapes/Containment		
A A	. 118	N

Escapes/Containment					
1. Any reported escapes? (check prior to phone call)					
2. Any escapes? (since last inspection)					
If yes, detail:					
(include date)					
Biosecurity Records					
Any significant changes to your biosecurity procedures since previous visit?					
If yes, detail:					

FHI 059, Version 13		Issued by: FHI			Date	of issue	: 12/05/2020
Case Number:	2020-0353		Site No:	FS0742		Insp:	
Date of Visit	25/08/2020		No of m	Score			
Live fish movements			0	1-5	6-10	>10	
Movements on (from out	Frequency of m	ovements on from equivalent MS	0	5	10	14	0
with GB) of susceptible species		ovements on from equivalent zone or		0	40	200	
эресіез	Compartment in Number of supp	cluding third country	0			26 14	0
							0
Movements off	Frequency of m		0			10	10
Evacuus vie weter	Number of dest	Site contacts				10	0
Exposure via water Water contacts with other	Farm is protecte	ed (secure water supply through	- U	1-3 	6-10		
farms (holding species	disinfection or b		0				
susceptible to same		or in a coastal zone with category I		_			
diseases)		or within 1 tidal excursion	1	2	4		1
		or in a coastal zone with category III or within 1 tidal excursion	1	3	6		
		or in a coastal zone with category V					
		or within 1 tidal excursion	1	4	8		
Management practices			None	Secure	Unsecure		
Water contacts with	Any processing	plant discharging into adjacent waters	;				
processors			0	1	2		0
On farm processing within	No on farm prod	cessing	0	1			0
the rules of the directive	Processing own	fish (re-cycling risk)	1				
	Processing fish	from MS of equivalent status	2				
	Processing fish from zone or compartment of						
	equivalent statu		4				
		from Category III farm	8				
	Processing fish	from Category V farm	10				
Disposal of fish and fish by-	Site's own wast	e only processed.	0				0
products	Common proce	sses with other farms	3				
	Collection point	for waste from other farms	5				
Use of unpasteurised feeds	No feeding of u	npasteurised feed	I 0	1			0
·	Feeding unpast	•	5	-			
Biosecurity		Number of sites	<u> </u>	」 2 or 3	≥ 4		
Contacts with other sites	Sites operating	from single shorebase	Το	1	2		0
	Sites sharing st	aff and equipment	0	1	2		0
Disinfection of equipment	Yes						
between sites, use of	No		0				0
footbaths etc	110		1	J			
CoGP/Regulator Practices in accordance	Yes			1			
with regulator or industry			0				0
code of practice	No		3				
Platform access to cages	Yes			1			n
	No		2				
				J			
					Total		17
					Rank		MEDIUM

Case No:	2020-0353			Date of visit:	25/08/2020					
Site No:	FS0742	Inspector:								
Results Summary	Freq.	Date of Notification								
Í	·	Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Insp		
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Report Summary	D (		- nd -							
Case Type	Date	Insp	2 <sup>nd</sup> Insp							
PSI	25/08/2020									





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 FS0742 INSPECTOR DATE OF CASE 25/08/2020 SITE NAME Glenfinnan CASE NO 20200353

# **Passive Surveillance Inspection**

A notification of mortality levels above the reporting criteria was received by the Fish Health Inspectorate on 21/08/2020 for the period of 10/08/2020 to 16/08/2020.

A passive surveillance inspection was conducted by telephone to gather information in accordance with the Aquatic Animal Health (Scotland) Regulations 2009, and to meet the requirements of European Community Council Directive 2006/88/EC. Information was also gathered in accordance with the Aquaculture and Fisheries (Scotland) Act 2007, as amended, with respect to section 3 regarding parasites (sea lice).

Mortality of 61,188 was reported by the business for the w/b 10/08/2020. Attributed to a stress event following transfer of fish on site. The following weeks mortality fell to 672.

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

The surveillance frequency category of the site was assessed as 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.

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



Date: 25/08/2020