

Case No: 2020-0036 Date of visit: 06/08/2020

Time spent on site: N/A Main Inspector: [Redacted]

Site No: FS1344 Site Name: Invertote Salmon Farm  
Business No: FB0579 Business Name: 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 fish present? [ ] If yes, see additional information/clinical score sheet.  
Clinical signs of disease observed? [ ] If yes, see additional information/clinical score sheet.  
Gross pathology observed? [ ] If yes, see additional information/clinical score sheet.  
Diagnostic samples taken? [ ]

UNI/REG only - if unable to carry out intended visit detail reason below:  
[Redacted]

**Additional Case Information:**

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 Girdsta (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.

Case No:  Site No:   
 Date of case:  Inspector(s):

**Registration/Authorisation Details**

Business/site contacts correct? (if no update site summary sheet)

**Site Details**

Total No facilities	<input type="text" value="12"/>	No facilities stocked	<input type="text" value="4"/>
Species	<input type="text" value="SAL"/>	<input type="text" value="LUM"/>	<input type="text" value="WRA"/>
Age group	<input type="text" value="S1 2020"/>	<input type="text" value="2020"/>	<input type="text" value="2020"/>
No Fish	<input type="text" value="304,993"/>	<input type="text" value="16,381"/>	<input type="text" value="2578"/>
Mean Fish Wt	<input type="text" value="266g"/>	<input type="text" value="50g"/>	<input type="text" value="200g"/>
Next Fallow Date (Site)	<input type="text" value="August 2020"/>	Next Input Date (Site)	<input type="text" value="Spring 2021"/>

Date of last inspection: (ECI or PSI)

**Mortality Information**

1. Any recent increased or atypical mortalities? (last 4 weeks).   
 If yes, detail:   
 2. Any increased mortalities? (since last inspection.)   
 If yes, detail:   
 3. How are mortalities disposed of?   
 If other detail:

**Treatments and Medicines**

1. Any treatments? (since last inspection)   
 If yes, detail:     
 Other:

**Health status and Results of Surveillance**

1. Any disease on site? (since last inspection)   
 If yes, detail:   
 2. Has any animal health surveillance been carried out by, or on behalf of, the business?   
 3. Any significant results?   
 If yes, detail

**Sea lice**

1. Has the site experienced sea lice problems in the previous 4 years?   
 If yes, detail:   
 2. Have lice levels stayed below the suggested criteria for treatment in the CoGP since the last inspection?   
 If no, detail:   
 3. Have average adult female sea lice (L. salmonis) numbers per fish been at a level of 3 or above (prior to w/b 10/6/19) or 2 or above (from w/b 10/6/19) since the last inspection?   
 4. If yes to 3, have these been reported to the Fish Health Inspectorate? If no, see comment.   
 5. Does the site have treatment discharge consents relevant to sea lice?   
 If yes, detail:      
 6. Have therapeutic treatments or the actions taken had a significant impact upon the lice levels recorded?   
 If no, detail:   
 7. Is there a signed documented farm management agreement or statement relevant to the site and CoGP Farm Management Area (or equivalent)?   
 8. Is the CoGP Farm Management Area (or equivalent) followed synchronously on a single year class basis?

**Escapes/Containment**

1. Any reported escapes? (check prior to phone call)

N

2. Any escapes? (since last inspection)

N

If yes, detail:  
(include date)

[Redacted area]

**Biosecurity Records**

1. Any significant changes to your biosecurity procedures since previous visit?

N

If yes, detail:

[Redacted area]

Case Number:	2020-0036	Site No:	FS1344	Insp:		
Date of Visit	06/08/2020	No of movements/supp./dest.			Score	
<b>Live fish movements</b>		<b>0</b>	<b>1-5</b>	<b>6-10</b>	<b>&gt;10</b>	
Movements on (from out with GB) of susceptible species	Frequency of movements on from equivalent MS	0	5	10	14	0
	Frequency of movements on from equivalent zone or compartment including third country	0	9	18	26	
	Number of suppliers	0	5	10	14	0
Movements off	Frequency of movements off	0	3	6	10	6
	Number of destinations	0	3	6	10	3
<b>Exposure via water</b>	<b>Site contacts</b>	<b>0</b>	<b>1-5</b>	<b>6-10</b>		
Water contacts with other farms (holding species susceptible to same diseases)	Farm is protected (secure water supply through disinfection or borehole)	0				
	Farm is on-line or in a coastal zone with category I farms upstream or within 1 tidal excursion	1	2	4		2
	Farm is on-line or in a coastal zone with category III farms upstream or within 1 tidal excursion	1	3	6		
	Farm is on-line or in a coastal zone with category V farms upstream or within 1 tidal excursion	1	4	8		
<b>Management practices</b>		<b>None</b>	<b>Secure</b>	<b>Unsecure</b>		
Water contacts with processors	Any processing plant discharging into adjacent waters	0	1	2		0
On farm processing within the rules of the directive	No on farm processing	0				
	Processing own fish (re-cycling risk)	1				1
	Processing fish from MS of equivalent status	2				
	Processing fish from zone or compartment of equivalent status	4				
	Processing fish from Category III farm	8				
	Processing fish from Category V farm	10				
Disposal of fish and fish by-products	Site's own waste only processed.	0				
	Common processes with other farms	3				3
	Collection point for waste from other farms	5				
Use of unpasteurised feeds	No feeding of unpasteurised feed	0				0
	Feeding unpasteurised feed	5				
<b>Biosecurity</b>	<b>Number of sites</b>	<b>1</b>	<b>2 or 3</b>	<b>≥ 4</b>		
Contacts with other sites	Sites operating from single shorebase	0	1	2		1
	Sites sharing staff and equipment	0	1	2		1
Disinfection of equipment between sites, use of footbaths etc	Yes	0				0
	No	1				
<b>CoGP/Regulator</b>						
Practices in accordance with regulator or industry code of practice	Yes	0				0
	No	3				
Platform access to cages	Yes	0				0
	No	2				
<b>Total Rank</b>					<b>17</b>	<b>MEDIUM</b>

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Results Summary	Freq.	Date of Notification						
		Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Insp

Report Summary			
Case Type	Date	Insp	2 <sup>nd</sup> Insp
PSI	06/08/2020		

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

## FISH HEALTH INSPECTORATE VISIT REPORT

### SUMMARY FOR INFORMATION OF SITE OPERATOR

<b>BUSINESS No</b>	FB0579	<b>DATE OF CASE</b>	06/08/2020
<b>SITE No</b>	FS1344	<b>SITE NAME</b>	Invertote Salmon Farm
<b>INSPECTOR</b>		<b>CASE No</b>	20200036

#### Passive Surveillance Inspection

A notification of increased lump sucker 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 lump suckers, 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.

Signed:



Fish Health Inspector

Date: 06/08/2020

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](http://www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter)