

Case No: 2022-0007 Date of visit: 14/01/2022

Time spent on site: 0 Main Inspector:

Site No: FS1042 Site Name: Seaforth
Business No: FB0119 Business Name: Mowi Scotland Ltd

Case Types: 1 PSI 2 REP 3 4 5 6

Water Temp (°C): Thermometer No: FHI 045 completed

Observations: Region: WI Water type: S CoGP MA W-6

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:

**Additional Case Information:**

## Mortality events reported:

29/11/2021 1.32% 25459

06/12/2021 3.15% 59962

13/12/2021 2.53% 46789

20/12/2021 2.51% 45244

27/12/2021 2.0% 351172

03/01/2021 2.95% 50753

## Recent sealice figures:

2021 wk49: 1.15

wk50: 2.14

wk51: 1.70

Wk52: 3.05

Salmon stock origins are from Loch Ness, Glenfinnan and Loch Arkaig. First signs of infection were observed on Noster side of Seaforth. Clinical signs of haemorrhaging on swimbladder and eyes was observed. Seaforth experiencing higher mortalities than Noster since 06/12/2021. Health checks have and are being conducted every two weeks.

Lumpfish input in October 2021. As a result of freshwater and mechanical delousing treatments there are no more lumpfish on site. Attempts were made prior to the treatments to remove fish with a brailer. Lumpfish origin: Ocean Matters, Anglesey.

The site has access to 'Foover' as a result of the 41m deep nets, and is able to remove any missed morts.

Florocol was administered as a first treatment on the whole of the site. Florocol shortages in UK have affected second treatment. Therefore, pen 3 and 5 will continue on Florocol and the rest of the site will be treated with Aquacen (Oxytetracycline hydrochloride). This second treatment will commence w/b 17/01/2022. Prior to the second treatment, thermolicer commenced on 14/01/2022.

PSI conducted by [REDACTED] and supervised by [REDACTED] on 14/01/2022.

Case Number:	2022-0007	Site No:	FS1042	Insp:		
Date of Visit	14/01/2022	No of movements/supp./dest.			Score	
<b>Live fish movements</b>		0	1-5	6-10	>10	
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	0
	Number of suppliers	0	5	10	14	0
Movements off	Frequency of movements off	0	3	6	10	10
	Number of destinations	0	3	6	10	3
<b>Exposure via water</b>	<b>Site contacts</b>	0	1-5	6-10		
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>		None	Secure	Unsecure		
Water contacts with processors	Any processing plant discharging into adjacent waters	0	1	2		0
On farm processing within the rules of the directive	No on farm processing	0				0
	Processing own fish (re-cycling risk)	1				
	Processing fish from MS of equivalent status	2				
	Processing fish from zone or compartment of equivalent status	4				
	Processing fish from Category III farm	8				
	Processing fish from Category V farm	10				
Disposal of fish and fish by-products	Site's own waste only processed.	0				0
	Common processes with other farms	3				
	Collection point for waste from other farms	5				
Use of unpasteurised feeds	No feeding of unpasteurised feed	0				0
	Feeding unpasteurised feed	5				
<b>Biosecurity</b>	<b>Number of sites</b>	1	2 or 3	≥ 4		
Contacts with other sites	Sites operating from single shorebase	0	1	2		0
	Sites sharing staff and equipment	0	1	2		0
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>15</b>	<b>LOW</b>

Case No:	2022-0007	Site No:	FS1042
Date of case:	14/01/2022	Inspector(s):	
<b>Registration/Authorisation Details</b>			
Business/site contacts correct? (if no update site summary sheet)			
<b>Site Details</b>			
Total No facilities	10	No facilities stocked	9
Species	SAL		
Age group	2021 Q2		
No Fish	1 718 905		
Mean Fish Wt	1.714kg		
Next Fallow Date (Site)	June 2022	Next Input Date (Site)	March 2023
Date of last inspection: (ECI or PSI)	15/09/2021		
<b>Mortality Information</b>			
1. Any recent increased or atypical mortalities? (last 4 weeks).			
If yes, detail:	see additional comments		
2. Any increased mortalities? (since last inspection.)			
If yes, detail:	see additional comments		
3. How are mortalities disposed of?	Ensiled - on site		
If other detail:	Fergusons remove ensiled material to Cumbercauld; White Shore cockles (contingency)		
<b>Treatments and Medicines</b>			
1. Any treatments? (since last inspection)			
If yes, detail:	Florfenicol		
Other:	Oxytetracycline scheduled for w/b 17/01/2022		
<b>Health status and Results of Surveillance</b>			
1. Any disease on site? (since last inspection)			
If yes, detail:	Pasteurella skyensis		
2. Has any animal health surveillance been carried out by, or on behalf of, the business?			
3. Any significant results?			
If yes, detail	Pasteurella skyensis, 16/12/2021		
<b>Sea lice</b>			
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:	see comments		
3. Have average adult female sea lice ( <i>L. salmonis</i> ) 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:	Alphamax	Excis	Slice
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) fallowed synchronously on a single year class basis?			

**Escapes/Containment**

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

	N
	N

2. Any escapes? (since last inspection)

If yes, detail:  
(include date)

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**Biosecurity Records**

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

	Y
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If yes, detail:

see additional comments
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# FISH HEALTH INSPECTORATE VISIT REPORT

## SUMMARY FOR INFORMATION OF SITE OPERATOR

<b>BUSINESS No</b>	FB0119	<b>DATE OF VISIT</b>	14/01/2022
<b>SITE No</b>	FS1042	<b>SITE NAME</b>	Seaforth
<b>CASE No</b>	20220007	<b>INSPECTOR</b>	[REDACTED]

### Routine surveillance frequency assessment under the Aquatic Animal Health (Scotland) Regulations 2009

Notifications of mortality levels above the reporting criteria were received by the Fish Health Inspectorate since November 2021 and elevated levels of mortality are ongoing. A passive surveillance inspection was conducted by telephone to gather information in accordance with the Aquatic Animal Health (Scotland) Regulations 2009.

The above site was contacted in accordance with the Aquatic Animal Health (Scotland) Regulations 2009.

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

Mortality levels had exceeded the reporting criteria since the last inspection 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:



Fish Health Inspector

Date: 17/01/2022

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

Case No: 2022-0008 Date of visit: 19/01/2022

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

Site No: SS0147 Site Name: Udale Bay (Cromarty Bay)
Business No: SB0096 Business Name: Cromarty Mussels

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

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**

Meeting conducted on Teams. [REDACTED] leading inspection, [REDACTED] observing for training purposes

The farm used to use Smart Units (from Smart Farm AS) to farm mussels but has recently changed to using longlines as they reportedly work better with the current speed and strength in Cromarty Firth.

The farm has also recently changed its business strategy, moving away from selling mussels for the table and now only supplying spat for on-growing. The site is operated in conjunction with Shetland Mussels who took 241 tonnes of spat off the site last year to on-grow on their sites in Shetland. Spat is transported off the site in one movement using a boat

Farm continues to collect spat naturally and hopes for another good spat fall next year.

Case Number:	2022-0008	Site No:	SS0147		
Date of Visit	19/01/2022	Inspector:			
<b>Number of Susceptible species on site</b>					
If no susceptible species present = <b>LOW</b> risk					
If susceptible species present, score for each pathogen					
		No	Yes		
	Susceptible to Bonamia ostrea (OED)	0	25		0
	Susceptible to Marteilia refringens (OED, MED)	0	3		3
	Susceptible to OshV (CGI)	0	3		
<b>Sites within a tidal excursion</b>					
		1	2-5	>6	
Site contacts	Number of sites holding susceptible species within a tidal excursion	0	2	10	0
<b>Live shellfish movements</b>					
		0	1-2	>3	
Movements on	Frequency of movements on from equivalent MS	0	5	10	0
	Frequency of movements on from equivalent zone or compartment including third country	0	10	20	
	Number of suppliers	0	5	10	0
Movements off	Frequency of movements off <u>within</u> MSS Management Areas	0	1	2	1
	Frequency of movements off <u>outwith</u> MSS Management Areas	0	3	6	
	Number of destinations	0	3	6	6
<b>Management practices</b>					
		None	Secure (effluent treatment)	Unsecure (no effluent treatment)	
Water contacts with depuration facilities	Depuration of stock from own sites within MSS management area	0	1	2	0
	Depuration of stock from other businesses sites within MSS management area	0	2	6	
	Depuration of stock from sites outwith MSS management area	0	4	8	0
<b>Biosecurity</b>					
	Number of sites	1	2 or 3	≥ 4	
Contacts with other sites	Sites operating from single shorebase	0	1	2	1
	Sites sharing staff and equipment	0	1	5	1
			Yes	No	
	Disinfection of equipment between sites, use of footbaths etc		0	2	0
				<b>Total Risk</b>	<b>12</b>



## FISH HEALTH INSPECTORATE VISIT REPORT

### SUMMARY FOR INFORMATION OF SITE OPERATOR

<b>BUSINESS No</b>	SB0096	<b>DATE OF VISIT</b>	19/01/2022
<b>SITE No</b>	SS0147	<b>SITE NAME</b>	Udale Bay (Cromarty Bay)
<b>CASE No</b>	20220008	<b>INSPECTOR</b>	██████████

#### Routine surveillance frequency assessment under the Aquatic Animal Health (Scotland) Regulations 2009

The above site was contacted in accordance with the Aquatic Animal Health (Scotland) Regulations 2009.

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

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: 19/01/2022

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