

Case No:	2023-0448	Date of visit:	03/10/2023			
Time spent on site:	2 Hours	Main Inspector:				
Site No:	FS0403	Site Name:	Meavag Hatchery			
Business No:	FB0449	Business Name:	Meavag Fish Farming			
Case Types:	1 ECI	2 CNI	3	4	5	6
Water Temp (°C):	12	Thermometer No:	Site	FHI 045 completed	N/A	
Observations:	Region:	WI	Water type:	F	CoGP MA:	
Dead/weak/abnormally behaving fish present?	N	If yes, see additional information/clinical score sheet.				
Clinical signs of disease observed?	N	If yes, see additional information/clinical score sheet.				
Gross pathology observed?	N	If yes, see additional information/clinical score sheet.				
Diagnostic samples taken?	N					

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

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**Additional Case Information:**

Meavag is currently stocked with approximately 7,800 rainbow trout of various sizes, averaging 100g of stock which was sourced from Aquasearch in Denmark in 2019. The site is also stocked with 16,352 fry averaging 5g. The ova for this fry stock was imported from Troutlodge, USA in May 2023.

Meavag also has one tank stocked with 50 Koi carp, these fish were stocked without permission, sourced from Cuttlebrook Koi Farm in Oxford, England. APB breach of authorisation letter is to be sent.

The site currently has 7 tanks stocked of the 19 which are present on the site. On the date of inspection the electricity which powers the lights in the main hatchery facility had tripped / wasn't working during the inspection, which made for a very difficult observation of the stock. Inspection of the sites facility was conducted under torch light.

From the few fish that were clearly visible, no clinical signs of disease were observed. The larger stock of trout were observed responding positively to hand feeding.

The Koi carp appeared healthy and were also observed responding well to routine hand feeding. No mortality has been recorded to any of the Koi carp stock since input in July 2022.

The water source for the hatchery is taken from a neighbouring freshwater loch via a pipeline network. Waste water from the hatchery tanks is then transferred by a connecting pipe to sea. Where the waste water pipe exits the site at the shoreline, there is a screened box which is in place to catch any potential escaping fish which could make it through the pipeline in the event of a tank screen failure. This box surrounding the waste water pipe was positioned within the tidal range of the sea and was visibly damaged and broken. Site management have been advised that a replacement should be ordered as soon as possible, an enhanced containment inspection will also be scheduled in due course.

Water temperature was 12 degrees on the date of inspection, temperature was taken using the sites thermometer for biosecurity.

The mortality records supplied is for the 2019 RTR stock only, no records for Koi or RTR fry has been supplied.

No treatments have been conducted onsite since the date of last inspection.

Morts stored in 25L plastic bin on site, waste is transported to landfill via company van.

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Inspector(s):

**Registration/Authorisation Details**

1. Business/site details summary checked by site representative?

Y

2. Changes made to details?

N

**Site Details (include cleaner fish for all sections)**

Total No facilities	19	Facilities stocked	7	No facilities inspected	19
Species	Koi carp	RTR	RTR		
Age group	2022	2023	2021		
No Fish	50	16,352	7,800		
Mean Fish Wt	35g	5g	100g		
Next Fallow Date (Site)	N/a	Next Input Date (Site)	Unknown		
Recent (last 4 wks) disease problems?		N	Any escapes (since last visit)?		N
If yes, detail:					

**Movement Records**

1. Movement records available for inspection?

Y

2. Date of last inspection:

19/10/2021

3. Are records complete and correctly entered?

Y

4. Are movement records available for dead fish and waste?

N

5. Are records complete and correctly entered?

N/A

6. Are health certificates for introductions (outwith GB) available?

Y

**Transport Records**

1. Are any movements carried out by (or on behalf) of the business (not using a STB)?

Y

If yes, is there a system in place for maintenance of transportation records?

N

**Mortality Records**

1. Mortality records available for inspection?

Y

2. How are mortalities disposed of?

Other (detail)

If other detail: See additional information.

3. Mortality records complete and correctly entered?

N

4. Recent mortality (last 4 wks):

01/09/2023 - 30/09/2023 - 21 RTR. See additional info.

5. Evidence of recent increased/atypical mortalities?

N

If yes, facility nos/no mortality per facility/no stock per facility/reason:

6. Any other peaks in mortality during period checked?

N

If yes, detail:

7. Have increased (unexplained) mortalities been reported to vet or FHI?

N/A

If yes, detail action:

8. Have 'mortality events' been reported to FHI? If no, enter details on mortality events sheet.

N/A

**Treatments and Medicines Records**

1. Recent treatments (see comment)?	N
If yes, detail:	
If other, detail:	
2. Medicines records available for inspection?	N/A
3. Are records complete and correctly entered?	N/A
4. Are fish in a withdrawal period?	N
5. If yes, what treatment(s)?	
If other, detail:	
6. Are medicines stored appropriately?	N/A

**Biosecurity Records**

1. Biosecurity records available for inspection?	Y
2. Has the manner and frequency of mortality removal, recording and safe disposal been considered?	Y
3. Has the manner and period in which the APB will notify Scottish Ministers or veterinary professional of any <i>increased (unexplained)</i> mortality at the site been included?	Y
4. Has the action that will be taken in the event that the presence or suspicion of the presence of a listed disease is detected been included and <i>how</i> and <i>when</i> that will be notified to Scottish Ministers?	Y
5. Has the health status of aquaculture animals being stocked on the farm site been covered (equal or higher health status, certification if required)?	Y
6. Have the husbandry and biosecurity measures implemented between each epidemiological unit to minimise transmission of disease been covered (movement of staff, visitors, equipment, live or dead fish etc.)?	Y
7. Is documentation available regarding the measures in place to maintain the physical containment of aquaculture animals held on site?	Y
8. Have the biosecurity procedures been adequately implemented on site?	Y
If no, detail:	

**Results of Surveillance**

1. Has any animal health surveillance been carried out by, or on behalf of, the business?	N
2. If yes, are results available for inspection?	
3. Any significant results?	
If yes, detail (if not detailed under recent disease problems).	

Records checked between: 19/10/2021 - 03/10/2023

Case Number:	2023-0448	Site No:	FS0403	Insp:	
Date of Visit	03/10/2023	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
	Frequency of movements on from equivalent zone or compartment including third country	0	9	18	26
	Number of suppliers	0	5	10	14
Movements off	Frequency of movements off	0	3	6	10
	Number of destinations	0	3	6	10
<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	
	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	
On farm processing within the rules of the directive	No on farm processing	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			
	Common processes with other farms	3			
	Collection point for waste from other farms	5			
Use of unpasteurised feeds	No feeding of unpasteurised feed	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	
	Sites sharing staff and equipment	0	1	2	
Disinfection of equipment between sites, use of footbaths etc	Yes	0			
	No	1			
<b>CoGP/Regulator</b>					
Practices in accordance with regulator or industry code of practice	Yes	0			
	No	3			
Platform access to cages	Yes	0			
	No	2			
<b>Total Rank</b>					<b>25</b> <b>MEDIUM</b>

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Site No: FS0403

**Sea Lice Inspection (Seawater Sites Only)**

1. Has the site experienced sea lice problems in the previous 4 years? ☐
2. Is the CoGP Farm Management Area (or equivalent) fallowed synchronously on a single year class basis? ☐
3. Does the site have access to a range of licenced in-feed and bath sea lice medications (including deltamethrin, azamethiphos and emamectin benzoate) as well as access to suitable biological and/or mechanical control measures, and can these be deployed in a reasonable period of time? ☐
4. Is there a signed documented farm management agreement or statement relevant to the site and CoGP Farm Management Area (or equivalent)? ☐
5. Are sea lice count records available for inspection? (Legal SSI, CoGP Annex 6) ☐
6. Do records adequately reflect the required standard specified in the SSI and the CoGP? (Legal SSI, CoGP Annex 6) ☐
7. Are sea lice (*L. salmonis*) record levels below the suggested criteria for treatment in the CoGP during the period that records are inspected? (CoGP Annex 6) ☐
8. 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) during the period that records are inspected? ☐
- If yes, have these been reported to the Fish Health Inspectorate? If no, FHI see comment. ☐
9. Is *C. elongatus* infestation at a level which is considered to cause significant welfare problems? (CoGP 4.3.81, 5.3.50) ☐
10. Have therapeutic treatments been administered or other actions taken when *L. salmonis* levels have exceeded the suggested criteria for treatment or where *C. elongatus* is considered to have welfare implications? (CoGP 4.3.82, 5.3.51) ☐
11. Has any other action been taken (where applicable)? ☐
12. Have therapeutic treatments or the actions taken had a significant impact upon the lice levels recorded? ☐
13. Are treatments, where conducted, carried out in cooperation between participating farms? ☐
14. Is there a harvesting strategy for the site, where fewer populations or part populations are held without treatment for sea lice? ☐
15. Is there a site specific written lice management procedure with waypoints describing set actions to deal with recognised scenarios during the escalation of a sea lice infestation? ☐
16. Do the sea lice levels observed on stocks reflect sea lice count data? If no please detail reasons. ☐

**Containment Inspection**

1. Has the site experienced equipment damage due to predators in the current or previous production cycles? ☐ N
2. Are measures in place to mitigate against the predation experienced on site? (Detail below) ☐ Y

Rat and mouse traps, site inside.

If other, detail below:

3. Have escape incidents or events been experienced on or in the vicinity of the site since the last FHI inspection? ☐ N

If Yes proceed with questions 4 – 9. If No skip to question 10

4. Have these been reported to Scottish Ministers? ☐
5. Have these been reported to local DSFB forthwith (where they exist)? (CoGP – 4.4.37, 5.4.17) ☐
6. Have these been reported to the SSPO and local fisheries trusts forthwith (where they exist)? (CoGP – 4.4.37, 5.4.17) ☐

7. Were methods (if any) used to recover escapees? If yes give detail ☐

8. If gill nets were deployed was this action agreed with local wild fish interests and was permission given by Scottish Ministers? (Legal, CoGP – 4.4.38, 5.4.18) ☐

9. What action was taken to prevent and minimise the risk of further escapes? (Not covered in code but could be considered under satisfactory measures of the Act) ☐

10. Is the site inspected as satisfactory with regards to containment? If no, please detail reason(s) ☐ N

Screened box which is situated around the waste water pipe from the hatchery is broken and in need of replacment.

Case No: 2023-0448

Date of visit: 03/10/2023

Site No: **FS0403**

Inspector: [REDACTED]

[illegible][illegible]



# FISH HEALTH INSPECTORATE VISIT REPORT

## SUMMARY FOR INFORMATION OF SITE OPERATOR

<b>BUSINESS No</b>	FB0449	<b>DATE OF VISIT</b>	03/10/2023
<b>SITE No</b>	FS0403	<b>SITE NAME</b>	Meavag Hatchery
<b>CASE No</b>	20230448	<b>INSPECTOR</b>	[REDACTED]

### Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

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

All epidemiological units were inspected. On this occasion no samples were taken for disease analysis. The Inspector did not observe any clinical signs associated with the listed diseases as described in the Aquatic Animal Health (Scotland) Regulations 2009.

#### Records

The surveillance frequency category of the site was assessed as medium. An inspection under the Aquatic Animal Health (Scotland) Regulations 2009 will be conducted every second year. The category of the site will be reassessed on a routine basis and updated as required.

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

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

Records in relation to aquaculture animals transported by the business were not available for inspection.

Mortality records were inspected and found to be inadequately maintained.

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

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

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

- Mortality records for all stocks present on site were not available for inspection. Mortality records should include the number of any aquaculture animals that have died in each epidemiological unit.



- Movement records for dead fish and waste were not available for inspection. Records are required to include details of the movement of any aquaculture animal or any aquaculture animal product into or out of the area in respect of which the business operates.
- Transport records were not available for inspection. Records are required to detail the number of animals which die during the course of transport.

These must be addressed to ensure the conditions of authorisation for your Aquaculture Production Business (APB) are being met. Records or documentation demonstrating that these points have been addressed should be sent to the Fish Health Inspectorate (contact details below) by the **30<sup>th</sup> November 2023**.

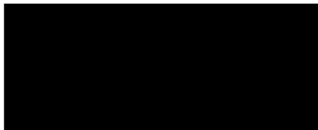
### **Inspection under the Aquaculture and Fisheries (Scotland) Act 2007**

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

The site has been recommended for an enhanced inspection and this will be conducted in due course.

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: 19/10/2023

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Scottish Government website at [Fish Health Inspectorate Service Charter - gov.scot \(www.gov.scot\)](https://www.gov.scot/policies/fish-health-inspectorate/)

# FISH HEALTH INSPECTORATE VISIT REPORT

## SUMMARY FOR INFORMATION OF SITE OPERATOR

<b>BUSINESS No</b>	FB0449	<b>DATE OF VISIT</b>	03/10/2023
<b>SITE No</b>	FS0403	<b>SITE NAME</b>	Meavag Hatchery
<b>CASE No</b>	20230448	<b>INSPECTOR</b>	

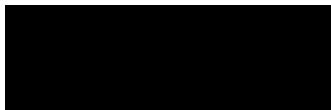
### Case completion report

Recommendations in relation to the above case were made for implementation by 30/11/2023. Following submission of the required documentation, evidence has now been provided to the Fish Health Inspectorate to demonstrate that the recommendations have been implemented.

This case will now be closed. This site may be subject to further audit and recommendations in the future.

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

Signed:



Fish Health Inspector

Date: 25/01/2023

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