

Case No:	2022-0347	Date of visit:	15/08/2022			
Time spent on site:	2hours	Main Inspector:				
Site No:	FS0462	Site Name:	Kames Bay (east)			
Business No:	FB0134	Business Name:	Kames Fish Farming Ltd			
Case Types:	1 ESC	2	3	4	5	6
Water Temp (°C):		Thermometer No:		FHI 045 completed		
Observations:	Region:	ST	Water type:	S	CoGP MA:	M-40
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:**

Escape investigation conducted on 15/08/2022. Site had harvested part pen in the morning of the escape investigation.

Background: An escapes investigation visit was carried out following an escape notification being submitted by Kames Fish Farming on the 22/06/2022. The initial notification stated that two holes were found by divers which were considered large enough for stock to escape through. Potential cause was identified as pen snagging on an unknown object during a towing operation. The final notification was received on 20/07/2022, where it was noted that 0 fish escaped and underlying cause was still unknown.

The average weight on site, on the day of inspection, was 4kg, although site currently holds rainbow trout at 6-7kg which will be used for broodstock (individual weight).

On the day of the escape investigation, Underwater Contracting (UCO) were on site deploying the ROV. The company was contracted to check the mooring grid at Kames Bay (east), Kames Bay (west) and Shuna, to ensure that no riser rope was floating or loose from the weight. Site manager will pass on footage/report from the ROV survey. In addition, manager informed that to mitigate against the occurred events, any riser ropes will be disconnected by divers prior to the new cycle starting in October 2022.

Pens are towed from both Shuna and Kames Bay (west). Generally, the pens are towed from Kames Bay (west); pens from Shuna are usually towed depending how quickly it needs harvested. Towing usually occurs at 0.5 knots, and takes ~4 hours to reach the site. Kames Bay (east) can be seen as the harvesting station, where pens come to get harvested. The event potentially occurred during a towing procedure. The towing procedure is the first process allowing harvesting to commence.

Due to new site manager on site (started 1 month ago), inspector spoke to site operatives who were present on the day of the event. Site operatives believe that the event could only have occurred in the last 30m close to the site. Riser rope is approx. 100m out and 30m long. Site operative informed that when the site's moorings went in the riser ropes were left (usually are anchored or weighted).

Due to weather and ROV faults, complete review of the site's moorings and grid was not completed on the 15/08/2022. Manager informed that ROV work will recommence in early September 2022. Site fallow as of 18/08/2022.

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Inspector(s):

**Registration/Authorisation Details**

1. Business/site details summary checked by site representative?
2. Changes made to details?

Y
Y

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

Total No facilities	6	Facilities stocked	2	No facilities inspected	6
Species	RTR				
Age group	2020				
No Fish	10681(3400 after harvest)				
Mean Fish Wt	3.5kg				
Next Fallow Date (Site)	18/08/2022	Next Input Date (Site)	October 2022		
Recent (last 4 wks) disease problems?	N	Any escapes (since last visit)?	Y		
If yes, detail:	Escape notification received 22/06/2022. Reason for escape: chafe/snag of unknown object. Escape investigation conducted 15/08/2022 and investigation internally still ongoing.				

**Movement Records**

1. Movement records available for inspection? Y
2. Date of last inspection: 03/11/2021
3. Are records complete and correctly entered? Y
4. Are movement records available for dead fish and waste? Y
5. Are records complete and correctly entered? Y
6. Are health certificates for introductions (outwith GB) available? N/A

**Transport Records**

1. Are any movements carried out by (or on behalf) of the business (not using a STB)?
- If yes, is there a system in place for maintenance of transportation records?

**Mortality Records**

1. Mortality records available for inspection? Y
  2. How are mortalities disposed of? Ensiled - on site
- If other detail:
3. Mortality records complete and correctly entered? Y
  4. Recent mortality (last 4 wks): 2022: no mortality for the last 4 weeks
  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)?

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 *how* and *when* 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?

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:

03/11/2021-15/08/2022

Inspector: [REDACTED]

[illegible]

# FISH HEALTH INSPECTORATE VISIT REPORT

## SUMMARY FOR INFORMATION OF SITE OPERATOR

<b>BUSINESS No</b>	FB0134	<b>DATE OF VISIT</b>	15/08/2022
<b>SITE No</b>	FS0462	<b>SITE NAME</b>	Kames Bay (east)
<b>CASE No</b>	20220347	<b>INSPECTOR</b>	

### Escape Investigation

The site was inspected following notification of circumstances which gave rise to a significant risk of escape of rainbow trout on 22/06/2022 (Marine Scotland escape incident number MSe220622RTR1)

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.

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

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

Mortality records were inspected and found to be adequately maintained.

Following the circumstances that gave rise to a significant risk of escape of rainbow trout on the 22/06/2022, the following recommendations are made for improvement.

To ensure it continues to meet the requirements of the CoGP (Chapter 4, point 4.16), it is recommended that a documented review is undertaken of the documented standard operating procedure and documented inspection plan for pen and mooring components, which is based on risk assessment.

It is recommended that a documented review of workboat operations is conducted to ensure they continue to be planned and conducted in a manner which avoids damage to nets and pens, in accordance with the CoGP (Chapter 4, point 4.28).

It is recommended that a documented review is undertaken of procedures which could increase the risk of fish escaping from pens to ensure that they are carefully planned and supervised to minimise risk as required by the CoGP (Chapter 4, point 4.29).

It is recommended that a documented review should be undertaken of staff training to ensure that all farm staff are aware of factors affecting the potential breaches of containment and that they are

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trained in actions to take in the event of an escape in accordance with the CoGP (Chapter 4, point 4.35).

It is also advised that to ensure the inherent risk of moving fish in pens is minimised the practical steps in Annex 4, part A4.7 of A Technical Standard for Scottish Finfish Aquaculture should be undertaken.

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

Signed:

A black rectangular box redacting the signature of the Fish Health Inspector.

Date: 25/08/2022

Fish Health Inspector

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/>