| FHI 059, Version 13 | lss | ued by: FHI | Date of issue: 12/05/2020 |
|--|--------------------------------|------------------------------------|--|
| Case No: 2024-0173 | | | Date of visit: 28/05/2024 |
| Time spent on site: | 4.5hrs | Main In | spector: |
| Site No:FS1291Business No:FB0119 | Site Name: Business Name: | Caolas A Deas Mowi Scotland Ltd | |
| Case Types: 1 STI | 2 DIA 3 REP | 4 5 | 6 |
| Water Temp (°C): 10.55 | Thermometer No: | Т308 | FHI 045 completed N/A |
| Observations: | Region: WI | Water type: S | CoGP MA: W-5 |
| Dead/weak/abnormally behaving Clinical signs of disease observe Gross pathology observed? Diagnostic samples taken? | | Y If yes, see additiona | al information/clinical score sheet. al information/clinical score sheet. al information/clinical score sheet. |
| UNI/REG only - if unable to carry | y out intended visit detail re | ason below: | |
| | | | |

FHI 059, Version 13

Additional Case Information:

Fish input from Trilleachan Mor on 09/04/2024 (wk15). Site fallowed out previous crop on 04/04/2024. Risk assessment inspected 06/06/2024.

Stock Origin: pen 5, Lochailort, Fanad; rest of the pens, Inchmore, Aquagen

Harvests deadhaul and livehaul- to Blar Mhor.

Statutory inspection conducted following report from the business that clinical signs of Bacterial Kidney Disease (BKD) have been observed on 23/05/2024. The detailed sampling of fish by the business commenced on site following the observation of clinical signs at Seaforth (FS1042) and subsequent CDN placement. The stock origin of fish currently at Caolas a deas is noted as Trilleachan Mor (FS1118). Fish previously transferred to Trilleachan Mor originated from Seaforth (same batch of fish).

During the site inspection, all stocked pens were inspected and 5-10 lethargic fish were observed in the majority of the pens. The majority of these fish were found to be deformed. From the ten fish that were removed, 4 were sampled following the observation of clinical sign relating on BKD.

The 4 fish sampled showed signs of swollen, grey, granular kidney, bloody ascites, swollen spleen with granules and yellow pseudofaeces.

Pen 5 on site was noted as the pen with increased mortality compared to the rest of the site; this is also the pen that originally during routine health surveillance from the business, clinical signs of BKD were observed.

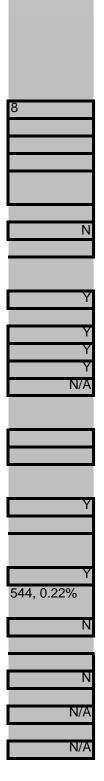
On the day of inspection, pen 1 was receiving a passive grade/targeted harvest - permission to move dead fish off site was given by FHI on 27/05/2024.

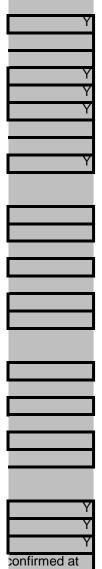
Health team visit every 3 weeks.

A few wrasse were observed on site during site inspection. No records relating to cleanerfish because site did not think that there were cleanerfish on site. Site mentioned that cleanerfish may have been transferred from Trilleachan Mhor - ~5% remaining on site.

| FHI 059, Version 13 | ls | Issued by: FHI | | | | | | | |
|--|---|---------------------------------------|-------------------------------|--|--|--|--|--|--|
| Case No: 2024-0173 | Site No: | FS1291 | | | | | | | |
| Date of Visit: | 28/05/2024 | 4 Inspector(s): | | | | | | | |
| Registration/Authorisation D | | atative 2 | | | | | | | |
| Business/site details summa Changes made to details? | iry checked by sile represer | manve? | N N | | | | | | |
| Site Details (include cleaner | fish for all sections) | | | | | | | | |
| Total No facilities | Facilities stock | ked 6 | No facilities inspected | | | | | | |
| Species SAL | | | | | | | | | |
| Age group 2023 Q2 | | | | | | | | | |
| No Fish 233,004 | | | | | | | | | |
| Mean Fish 5.1kg | | | | | | | | | |
| Wt | | | | | | | | | |
| | | Next Input Date (Site) | Q4 2024 | | | | | | |
| Recent (last 4 wks) disease pro | obiems? | N Any esca | bes (since last visit)? | | | | | | |
| If yes, detail: | | | | | | | | | |
| Movement Records | | | | | | | | | |
| 1. Movement records available | for inspection? | | | | | | | | |
| 2. Date of last inspection: | | | 06/02/2024 | | | | | | |
| 3. Are records complete and co | orrectly entered? | | | | | | | | |
| 4. Are movement records avail | • | e? | | | | | | | |
| 5. Are records complete and co | orrectly entered? | | | | | | | | |
| 6. Are health certificates for inter- | roductions (outwith GB) ava | ailable? | | | | | | | |
| Transport Records | | | | | | | | | |
| 1. Are any movements carried | out by (or on behalf) of the | business (not using a ST | ⁻ B)? | | | | | | |
| If yes, is there a system in plac | e for maintenance of transp | portation records? | | | | | | | |
| Mortality Records | | | | | | | | | |
| 1. Mortality records available for | or inspection? | | | | | | | | |
| | How are mortalities disposed of? Other (detail) | | | | | | | | |
| Ensiled onsite or whole fish taken to Whiteshore Cockles If other detail: | | | | | | | | | |
| 3. Mortality records complete and correctly entered? | | | | | | | | | |
| | | 52, 0.32%; Wk20, 420, 0 | .18%; Wk19, 390, 0.16%; Wk18, | | | | | | |
| 4. Recent mortality (last 4 wks) | : | | | | | | | | |
| 5. Evidence of recent increased | •• | | | | | | | | |
| If yes, facility nos/no mortality p | per facility/no stock per facil | lity/reason: | | | | | | | |
| | | | | | | | | | |
| 6. Any other peaks in mortality | during period checked? | | | | | | | | |
| If yes, detail: | | | | | | | | | |
| 7. Have increased (unexplained | d) mortalities been reported | d to vet or FHI? | | | | | | | |
| If yes, detail action: | | · · · · · · · · · · · · · · · · · · · | | | | | | | |
| B. Have 'mortality events' been reported to FHI? If no, enter details on mortality events sheet. | | | | | | | | | |

| Treatments and Medicines Records | |
|--|---|
| 1. Recent treatments (see comment)? | |
| If yes, detail: T.M.S | |
| 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)? | T.M.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, re | cording and safe disposal been considered? |
| 3. Has the manner and period in which the APB will notify | - |
| increased (unexplained) mortality at the site been include | |
| | resence or suspicion of the presence of a listed disease is |
| detected been included and how and when that will be not | · · · |
| 5. Has the health status of aquaculture animals being sto | cked on the farm site been covered (equal or higher |
| health status, certification if required)? | , , , , , , , , , , , , , , , , , , , |
| 6. Have the husbandry and biosecurity measures implem transmission of disease been covered (movement of staf 7. Is documentation available regarding the measures in | , visitors, equipment, live or dead fish etc.)? |
| animals held on site? | |
| 8. Have the biosecurity procedures been adequately impl | emented 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? | |
| | 23/05/2024- samples taken following BKD of |
| | Seaforth and detailed sampling conducted |
| | Report received on 29/05/2024 showed sar |
| | for PRV, PMCV and BKD. Report seen and |
| | health report of detailed sampling conducte |
| If yes, detail (if not detailed under recent disease problem | s). team of the business. |
| | |
| Records checked between: | 06/02/2024-28/05/2024 |
| | |





on site. nples positive also inital d by health

| FHI 059, Version 13 | | | | Issued by: FI | -11 | | |
|----------------------------|-----------|----------|-----------|-------------------|-----|------------|--------|
| Case no: | 2024-0173 | Site No: | FS1291 | Date of vis | | 28/05/2024 | 28/(|
| Priority samples: | VI | ВА | PA | Sampling: MG x | н | | |
| Time sampling starts/ends: | 15:23:00 | 17:45:00 | Inspector | | VN | ID No. | 0 |
| Environmental conditions | 1 Cloud | y 2 Wet | 3 | 4 | 5 | | |
| Summary samples | HIST | Y BA | Y MG Y | VI | PA | Total Sa | amples |
| Add Fish/Pools - click | | | | | | | |
| Pool/Fish No | F1 F2 | F3 F4 | | | | | |
| Fish nos | 1 2 | 3 4 | | | | | |

Pool Group Species

Water Type

Stock Origin Facility No

Sex

tock Details

Average weight

SAL

N/A

SW

Trilleachan Mor (FS1118)

5.1kg

SAL

N/A

SW

Trilleachan Mor (FS1118)

4

5.1kg

SAL

N/A

SW

Trilleachan Mor (FS1118)

5

5.1kg

SAL

N/A

SW

Trilleachan Mor (FS1118)

5

5.1kg

|)5/2024 | 5/2024 Additional Sample Information: | | | | | | | | | | |
|---------|---------------------------------------|----------|----------|--------|---|---|--|--|--|--|--|
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| 4 | | Total T | anto ano | igned | E | 1 | | | | | |
| 4 | J | Total Te | ests ass | lignea | S | | | | | | |
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| FHI 059, Version 13 | | | Issued by: FHI | | | | | Date of issue: 12/05/20 | | | |
|---------------------|---|--------------|-----------------|-----------|----------|---|-------------------------------|-------------------------|------------|----|--|
| Case no: | 2024-0173 | | Site No: FS1291 | | | 1 | Method of killing: Percussive | | | | |
| Date of visit: | 28/05/20 | 024 | Inspe | ector(s): | | | | Sheet R | elevant: Y | 3. | |
| S for strong prosor | nce: M for medium presence: W | for wook pro | sonco | | | | | | | | |
| Fish Number | | | Sence | 2 3 | 4 | | | | | 7 | |
| | er death (if > 45 minutes) | | - | | | | | | | | |
| External Signs | | | | | | | | | | | |
| Behaviour | Moribund | M | Μ | М | Μ | | | | | | |
| | Lethargic | | | | | | | | | | |
| | Hanging vertical | | | | | | | | | | |
| | Spiralling | _ | _ | _ | | | _ | | | | |
| | Flashing | | | | | | | | | - | |
| Body | Loss of equilibrium Dark | _ | S | м | _ | | _ | _ | | - | |
| Body | Distended abdomen | | | 141 | | | | | | - | |
| | Anorexic | | | | | | _ | | | | |
| | Scale Oedema | _ | | | | | _ | | | | |
| Opercula | Shortened | | | | | | | | | | |
| | Flared | | | | | | | | | | |
| Haemorrhaging | Throat | | | | | | | | | | |
| | Ventrum | М | | | | | | | | 1 | |
| | Base of fins | W | W | | _ | | | | | 4 | |
| F ires | Elsewhere | S | | | | | | | | 4 | |
| Eyes | Exophthalmic Enophthalmic (sunken) | 3 | | | - | | | | | - | |
| | Cataract | | | | | | | | | 1 | |
| | Haemorrhagic | | | | | | | | | 1 | |
| Gills | Pale | | - | W | | | | | | | |
| | Zoned | | | | | | | | | | |
| | Necrotic | | | | | | | | | | |
| Lesions | Flank | | | | | | | | | | |
| | Elsewhere | | | | | | | | | | |
| Vent | Inflamed | W | М | М | М | | _ | | | 4 | |
| Lies Lead | Trailing faeces | | 3 | 4 3 | 3 | | | | | 4 | |
| Lice Load | Estimate numbers | | 5 | 4 3 | <u> </u> | | _ | | | - | |
| Internal Signs | | _ | | - | | | _ | | | - | |
| Ascites | Clear | | - | | | | | | | | |
| | Bloody | M | M | S | S | | | | | | |
| Oedema | In tissues | | | | | | | | | | |
| Heart | Pale/anaemic | | | | | | | | | | |
| | Granulomas | | | | | | | | | 4 | |
| | Deformed | _ | _ | _ | _ | | _ | _ | | - | |
| Liver | Petechial haem Gross haem | | - | _ | - | | | | | - | |
| | Tissue breakdown | | - | _ | - | | | | | - | |
| | Enlarged | | | | | | - | | | | |
| | Colour number(s) | | 6 | 2 3 | | | | | | | |
| | Granulomas | | Μ | W | W | | | | | | |
| | Lesions | | | | | | | | | | |
| Pyloric caeca | Petechial haem | | _ | _ | | | | | | | |
| | Tubules mauve | | | | | | | | | - | |
| Enloor | Lack of fat | S | S | S | S | | | | | - | |
| Spleen | Enlarged Granulomas | 3 | W | W | W | | | | | 4 | |
| Gut | No food present | _ | | | | | | | | - | |
| - ** | Yellow pseudo-faeces | S | S | S | s | | | | | | |
| | External haem | | | | | | | | | 1 | |
| | Internal haem | | | | | | | | |] | |
| Body wall | Haemorrhaging | | | | | | | | | | |
| Swim bladder | Haemorrhaging | | | | М | | | | | 4 | |
| 1/: 1 | Fluid filled | NA | C | 6 | 6 | | | | | 4 | |
| Kidney | Swollen | М | S S | S S | S S | | | | | 4 | |
| | Grey Granular | | S | S | S | | | | | - | |
| | Liquefied | | | 5 | ľ – | | | | | 1 | |
| General | Parasites present | | | | | | | | | 1 | |
| | Anaemia | | | | | | | | | 1 | |
| | | | | | | | | | | | |

FHI 059, Version 13

| Issued b | by: FHI |
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| Case no: | 2024-0173 |
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Date of visit:

28/05/2024

 ${\bf S}$ for strong presence: ${\bf M}$ for medium presence: ${\bf W}$ for w

| | ce: M for medium presence: W for | VI | _ | | | | 1 |
|----------------|----------------------------------|----|---|--|--|------|---|
| Fish Number | | | | | | | |
| | er death (if > 45 minutes) | | | | | | |
| 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 | | | | | | |
| | Necrotic | | | | | | |
| Lesions | Flank | | | | | | |
| | Elsewhere | | | | | | |
| Vent | Inflamed | | | | | | |
| | Trailing faeces | | | | | | |
| Lice Load | Estimate numbers | | | | | | |
| | | | | | | | |
| Internal Signs | | | | | | | |
| Ascites | Clear | | | | | | |
| | Bloody | | | | | | |
| Oedema | In tissues | | | | | | |
| Heart | Pale/anaemic | | | | | | |
| | Granulomas | | | | | | |
| | Deformed | | | | | | |
| Liver | Petechial haem | | | | | | |
| | Gross haem | | | | | | |
| | Tissue breakdown | | | | | | |
| | Enlarged | | | | | | |
| | Colour number(s) | | | | | | |
| | Granulomas | | | | | | |
| | Lesions | | | | | | |
| Pyloric caeca | Petechial haem | | | | | | |
| | Tubules mauve | | | | | | |
| | Lack of fat | | | | | | |
| Spleen | Enlarged | | | | | | |
| | 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 | | | | | | |
| | Anaemia | | | | | | |
| General | Liquefied Parasites present | | | | | | |

2024-0173

Site No: FS1291

Case No: 2024-0173

Nature of non-compliance:

Action taken (FHI):

Non-compliance relevant to (delete): VirologyMolGen/Bacteriology/Histology/Parasitology

FHI 059, Version 13

| Case No: | 2024-0173 |] | Date of visit: 28/05 | /2024 | |
|-----------------|-----------|---------------|----------------------|--------------|----------------------|
| Site No: | FS1291 | כ | Inspector: | | |
| Results Summary | Freq. | | Date of No | otification | |
| | | Database Insp | Phone Insp | Writing Insp | 2 nd Insp |
| AGDQ | 0/4 | 31/05/2024 | 31/05/2024 | 18/06/2024 | |
| VHSP | 0/4 | 31/05/2024 | 31/05/2024 | 18/06/2024 | |
| BKDP | 3/4 | 31/05/2024 | 31/05/2024 | 18/06/2024 | |
| PNST | 4/4 | 31/05/2024 | 31/05/2024 | 18/06/2024 | |
| SPVP | 0/4 | 31/05/2024 | 31/05/2024 | 18/06/2024 | |
| SALP | 0/4 | 31/05/2024 | 31/05/2024 | 18/06/2024 | |
| IPNM | 0/4 | 31/05/2024 | 31/05/2024 | 18/06/2024 | |
| ISAQ | 0/4 | 31/05/2024 | 31/05/2024 | 18/06/2024 | |
| PMVP | 3/4 | 31/05/2024 | 31/05/2024 | 18/06/2024 | |
| RSBA | 4/4 | 18/06/2024 | 18/06/2024 | 18/06/2024 | |
| CMPS | 2/4 | 18/06/2024 | 18/06/2024 | 18/06/2024 | |
| GPAT | 2/4 | 18/06/2024 | 18/06/2024 | 18/06/2024 | |
| HPAT | 2/4 | 18/06/2024 | 18/06/2024 | 18/06/2024 | |
| SPAT | 3/4 | 18/06/2024 | 18/06/2024 | 18/06/2024 | |
| LPAT | 4/4 | 18/06/2024 | 18/06/2024 | 18/06/2024 | |
| IHNP | 0/4 | 21/06/2024 | 31/05/2024 | 18/06/2024 | |
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| Report Summary | | | |
|-----------------|----------|------|----------------------|
| Case Type | Date | Insp | 2 nd Insp |
| STI, REP | 12/06/2 | 024 | |
| DIAG | 18/06/2 | 024 | |
| Case completion | 19/06202 | 24 | |
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FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

 BUSINESS NO
 FB0119

 SITE NO
 FS1291

 CASE NO
 20240173

DATE OF VISIT28/05/2024SITE NAMECaolas A DeasINSPECTORInspector

Section 1: Summary

The site was inspected following notification from a third party of the suspected presence of bacterial kidney disease (BKD). Four fish were selected for diagnostic sampling.

Histopathology examination revealed marked granulomatous inflammation consistent with BKD, and confirmed by qPCR. Two fish also displayed features consistent with cardiomyopathy syndrome (CMS), also confirmed by qPCR, and mild hyperplasic proliferative gill pathology.

Paranucleospora theridion was detected by qPCR.

Following the positive PCR result for *Renibacterium salmoninarium* and the observed clinical signs of BKD the initial designation notice covering the site has been replaced with a confirmed designation notice.

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

A statutory inspection was conducted at Caolas a Deas following a report from the business that clinical signs of BKDhad been observed on 23/05/2024. The stock origin of fish currently at Caolas a Deas was noted as Trilleachan Mor (FS1118). Fish previously transferred to Trilleachan Mor originated from Seaforth (FS1042). At the time of the inspection, the site was stocked with 233,004 (2023 Q2) Atlantic salmon. All pens were inspected and moribund fish were observed across the site displaying clinical signs of disease. Four fish were removed from pens 1,4 and 5 for diagnostic sampling.

Pen 5 on site was noted with increased mortality compared to the rest of the site; this is also the pen that clinical signs of BKD were observed in during routine health surveillance from the business.

Externally, all four fish were moribund, with two being dark in colour. All fish had inflamed vents. Haemorrhaging was noted on the base of fins of F1 and F2, with the ventrum of F1 also displaying haemorrhaging. F1 exhibited exophthalmia in the eyes. The gills of F3 were pale. Lice loads on the fish ranged between 3-4, mainly consisting of *Lepeophtheirus salmonis* at all stages of development.

Internally, bloody ascites was observed in the body cavity of all fish. The livers of F2-F4 had granulomas present, with the liver of F1 being really pale in colour. The spleens of all four fish were enlarged with granulomas being present in F2-F4. Pseudo-faeces were present in the guts

of F1-F4. Haemorrhaging was present on the swim bladder of F4. Lastly, the kidneys of all fish were swollen. The kidneys of F2-F4 were grey in colour and strongly granular.

Samples

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

| Fish number | Facility number | Species | Stage | Origin |
|-------------|-----------------|-----------------|------------------|--------------------------|
| F1 | 1 | | | |
| F2 | 4 | Atlantic salmon | 2023 Q4 5.1Kg | Trilleachan Mor (FS1118) |
| F3-F4 | 5 | | 5 | |

<u>Results</u>

Bacteriology: Kidney and gill material from F1-F4 were inoculated onto appropriate media for the isolation of bacteria.

No significant bacteria were isolated.

Tissue samples were tested for segments of nucleic acid indicative of the presence of the pathogens specified below using real-time PCR (qPCR).

Renibacterium salmoninarum (BKD)

| Fish Number | Endogenous control Cp value | | Reported Result (PCR) | | |
|----------------|-----------------------------------|-------|--------------------------|-------|----------|
| F1 | - | - | - | - | Negative |
| F2 | 21.98 | 27.27 | 27.27 | 27.51 | POSITIVE |
| F3 | 21.91 | 29.58 | 29.76 | 29.74 | POSITIVE |
| F4 | 21.14 | 22.63 | 22.71 | 23.06 | POSITIVE |

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

Piscine myocarditis virus (PMCV)

| Fish Number | Endogenous control Cp value | Cp Values | | | Reported Result (PCR) |
|----------------|-----------------------------------|-----------|-------|-------|--------------------------|
| F1 | - | - | - | - | Negative |
| F2 | 14.31 | 20.77 | 20.89 | 20.77 | POSITIVE |
| F3 | 14.32 | 18.88 | 18.93 | 18.78 | POSITIVE |
| F4 | 14.61 | 17.98 | 18.01 | 18.14 | POSITIVE |

The samples tested negative for infectious haematopoietic necrosis virus (IHNV), infectious pancreatic necrosis virus (IPNV), infectious salmon anaemia virus (ISAV), salmonid alphavirus (SAV), viral haemorrhagic septicemia virus (VHSV) and salmon gill poxvirus (SGPV).

Parasitology: Tissue samples were tested for segments of nucleic acid indicative of the presence of the parasites specified below using real-time PCR (qPCR).

| Fish Number | Endogenous control Cp value | | Reported Result (PCR) | | |
|----------------|-----------------------------------|-------|--------------------------|-------|----------|
| F1 | 22.21 | 38.92 | <40 | 38.76 | POSITIVE |
| F2 | 21.98 | 38.43 | <40 | 38.16 | POSITIVE |
| F3 | 21.91 | 32.96 | 32.99 | 32.82 | POSITIVE |
| F4 | 21.14 | 37.47 | 36.78 | 36.77 | POSITIVE |

Paranucleospora theridion

The samples tested negative for Neoparamoeba perurans (AGD).

Histology: Tissue samples of gill, skin and skeletal muscle, heart, pyloric caeca, pancreas, hind gut, liver, spleen and kidney were taken from F1-F4. The tissue samples were fixed in 10% neutral buffered formalin.

Histopathological examination revealed the following:

Gill: Some isolate lamellar epithelial thickness (F1). Lamellar hyperplasia and fusion, some, multifocal (F2, F3) and F3 also displayed areas of necrosis. Several aneurysmal dilation/telangiectasia (F2, F4).

Skin & Muscle: Small area of inflammation observed in skeletal red muscle (F3, F4).

Heart: Small foci of muscular necrosis (F1). Endomyocarditis, multifocal, ranging from multifocal to diffuse (F3, F4). F4 also displayed some granulomatous inflammation with very few scattered Gram-positive bacteria observed. F2 exhibited some thrombi. Epicarditis, mild (F2, F4).

Gut and pyloric caeca: Some peritonitis (F2).

Pancreas: Within the normal range.

Liver: Small area of granulomatous inflammation with necrosis (F1-F4). Capsulitis (F1). Hepatocellular necrosis, mild, multifocal (F2). Some cuffing (F1).

Kidney: Interstitial granulomatous inflammation with necrosis, ranging from moderate to marked, multifocal (F2-F4) with very few scattered Gram-positive bacteria observed (F2, F4).

Spleen: Granulomatous inflammation, mild, multifocal with necrosis (F2-F4). Congested (F1).

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

Signed: R09 Date: 18/06/2024

UKAS Accredited Inspection Body - Type C No. 0269 Marine Laboratory, 375 Victoria Road, Aberdeen, AB11 9DB Tel - 0131 244 3498 Email - <u>ms.fishhealth@gov.scot</u> Website -<u>https://www.gov.scot/policies/fish-health-inspectorate/</u> **Fish Health Inspector**

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Scottish Government website at <u>Fish Health Inspectorate Service Charter - gov.scot (www.gov.scot)</u>

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

 BUSINESS NO
 FB0119

 SITE NO
 FS1291

 CASE NO
 20240173

DATE OF VISIT28/05/2024SITE NAMECaolas A DeasINSPECTORInspector

Statutory Inspection

All epidemiological units were inspected. Clinical signs associated with BKD were observed.

The movement restrictions will remain in place and permission must continue to be sought for movements of live and dead fish from the site. You will have receive a separate written confirmation of the decision regarding the request to transfer fish.

Samples were taken for diagnostic purposes. A separate report will be issued detailing the results of these tests.

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

Cleaner fish movements from Trilleachan Mhor not recorded. Mortality and stock details
relating to cleaner fish not available for inspection. Business reminded that records
relating to all aquaculture animals on site, as required by authorisation conditions, should
be maintained.

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) within 30 days of the date this report was issued.

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: 12/06/2024

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Scottish Government website at <u>Fish Health Inspectorate Service Charter - gov.scot</u> (www.gov.scot)

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS NO FB0119 SITE NO FS1291 CASE NO 20240173 DATE OF VISIT 28/05/2024 SITE NAME Caolas A Deas INSPECTOR

Case completion report

Recommendations in relation to the above case were made for implementation by 19^h July 2024. 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:

Date: 19/06/2024

Fish Health Inspector

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)

Diagnostic sampling: 20240173 photos



Figure 1 Overview of F1. Insert picture shows exophthalmia,



Figure 2 Internal view of F1.



Figure 3 Overview of F2



Figure 4 Gill of F2



Figure 5 Internal view of F2



Figure 6 Gill of F3



Figure 7 Overview of F3



Figure 8 A) Picture of liver of F3. B) picture of spleen of F3



Figure 9 picture of haemorrhaging on swim bladder of F3



Figure 10 Gills of F4

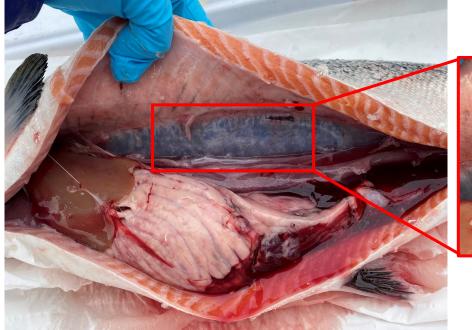




Figure 11 Internal view of F4. Insert shows close up of kidney depicting granulomas.