

Case No: 2020-0260 Date of visit: 24/07/2020

Time spent on site: 4 Main Inspector:

Site No: FS1239 Site Name: Grampian
Business No: FB0544 Business Name: Scotland

Case Types: 1 DIA 2 3 4 5 6

Water Temp (°C): not available Thermometer No: FHI 045 completed

Observations: Region: GR Water type: B CoGP MA:

Dead/weak/abnormally behaving fish present? N If yes, see additional information/clinical score sheet.
Clinical signs of disease observed? Y If yes, see additional information/clinical score sheet.
Gross pathology observed? Y If yes, see additional information/clinical score sheet.
Diagnostic samples taken? Y

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

Additional Case Information:

Codes for sampling;PC;pyloric caeca, NS;normal skin, AS;affected skin, F;fin, L;liver, KA;kidney anterior, KM;kidney mid, M;mussle, S;stomach, E;eye, I;intestine, HA;heart atrium, HB;heart bulb, HV;heart ventral

Fish collected from gillie (NO 68147 959448) Inchmarlo River Dee. Had been caught on line and had been a strong fight when being reeled in. Gillie reported have caught a handfull of fish with these markings on the ventral surface and flank. Not moribund but strong fighting response on the line.

An additional set of samples have been submitted to the Institute of Marine Research, Bergen for collaborative investigation into the occurrence of red skin disease observed in wild salmon populations.

Case no: Site No: Date of visit/
 Sampling:

Priority samples: VI BA PA MG HI

Time sampling starts/ends: Inspector: VMD No.

Environmental conditions: 1 2 3 4 5

Summary samples HIST BA MG VI PA Total Samples

Add Fish/Pools - click

	Pool/Fish No	F1	P1										
	Fish nos	1	1										
	Pool Group	P1	P1										
Stock Details	Species	SAL	SAL										
	Average weight	2kg	2kg										
	Sex												
	Water Type	FW	FW										
	Stock Origin	River Dee	River Dee										
	Facility No	n/a	n/a										

Case no: 2020-0260

Site No: FS1239

Method of killing: Anaesthetic

Date of visit: 24/07/2020

Inspector(s):

Sheet Relevant: Y

S for strong presence: M for medium presence: W for weak presence

Fish Number		1												
Time sampled after 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	M												
	Base of fins													
	Elsewhere	M												
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	S												
	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													

Additional comments:

Site No: FS1239
Case No: 2020-0260
Nature of non-compliance:
Action taken (FHI):
Non-compliance relevant to (delete): VirologyMolGen/Bacteriology/Histology/Parasitology



██████████
River Dee Trust
River Office
Mill of Dinnet
Aboyne
Aberdeenshire
AB34 5LA
██████████

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS No	FB0544	DATE OF VISIT	24/07/2020
SITE No	FS1239	SITE NAME	Grampian – River Dee
INSPECTOR	██████████	CASE No	20200260

Section 1: Summary

A fish caught from the River Dee at the Inchmarlo beat displayed flank and ventral surface lesions. The Fish Health Inspectorate was contacted and samples were collected for diagnostic examination.

Histopathology examination revealed mild multifocal myositis, minimal cardiomyositis and minimal nephrosis.

No pathogens were detected in the samples examined.

An additional set of samples have been submitted to the Institute of Marine Research, Bergen for collaborative investigation into the occurrence of red skin disease observed in wild salmon populations. A separate report will be provide when results from these samples are available.

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 fish was caught on the rod in the River Dee at the Inchmarlo beat. It displayed red haemorrhagic lesions on the flanks and ventral surface. The fish was held alive in a keep net at the river bank and the Fish Health Inspectorate was contacted.

It was reported that the fish had displayed a strong fighting response when caught. The lesions observed were not severe or extensive. Internally the spleen was enlarged. Samples were collected for diagnostic examination.

R09

Samples

Samples were collected according to the table below:

Fish number	Species	Stage	Origin
1	Atlantic salmon	2 kg	River Dee - Inchmarlo beat

Results

Bacteriology: Kidney, gill, spleen and lesion material was inoculated onto appropriate media for the isolation of bacteria.

No significant bacteria were isolated.

Virology: A general screen was conducted on tissue samples to test for the presence of viral pathogens by cell culture.

The result of this test was negative.

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

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

Parasitology: Fins were collected to determine the presence of *Gyrodactylus salaris* using light microscopy and molecular techniques (PCR).

No *G. salaris* parasites were detected in the samples examined.

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

The samples tested negative for *Neoparamoeba perurans* (AGD) and *Paranucleospora theridion*.

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

Histopathological examination revealed the following:

Gill: Multiple small foci of inflammatory cell infiltration, mainly noted at the gill tips and some minor isolated lamellar epithelial hyperplasia.

Skin & Muscle: Multiple small foci of infiltrating inflammation between myofibrils in the red skeletal muscle. Focal mild haemorrhage and infiltrating inflammation on the dermal upper layers just beneath the epidermis. Absence or partial absence of epidermal layer (likely processing artefact).

Heart: Two small foci of inflammatory cell infiltration at spongy layer.

Gut and pyloric caeca: Within normal range.

Pancreas: Within normal range.

Liver: Within normal range.

R09

Marine Laboratory, 375 Victoria Road, Aberdeen, AB11 9DB

Tel - 0131 244 3498 Fax - 0131 244 0944 Email - ms.fishhealth@gov.scot

Website - www.gov.scot/Topics/marine/science

Kidney: Two glomeruli displaying some oedema and some renal tubules exhibited hyaline droplets and epithelial vacuolation.

Spleen: Severely congested and reduced white pulp.

Signed:



Fish Health Inspector

Date: 09/09/2020

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: 2020-0283 Date of visit: 24/07/2020

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

Site No: FS1255 Site Name: North Uiskevagh
Business No: FB0169 Business Name: The Scottish Salmon Company

Case Types: 1 PSI 2 [] 3 [] 4 [] 5 [] 6 []

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

Observations: Region: WI Water type: S CoGP MA: W-15

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:

Site fallow since May 2019. There are plans to use the site for thinning out stock from other nearby sites towards the end of 2020/beginning of 2021.

Site manager was unavailable at time of inspection. Information was provided by a neighbouring site manager.

Fish coming onto site will be coming from two neighbouring sites; Maragay Mor (FS1304) and Maaey (FS1315).

Site plans to do live harvests, with fish going to the Stornoway harvest station.

Site is expected to be fitted with new cages before moving fish on. It is expected there will be less than 12 in the new configuration.

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="0"/>
Species	<input type="text"/>	<input type="text"/>	<input type="text"/>
Age group	<input type="text"/>	<input type="text"/>	<input type="text"/>
No Fish	<input type="text"/>	<input type="text"/>	<input type="text"/>
Mean Fish Wt	<input type="text"/>	<input type="text"/>	<input type="text"/>

Next Fallow Date (Site) Next Input Date (Site)

Date of last inspection: (ECI or PSI)

Mortality Information

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

Treatments and Medicines

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

Health status and Results of Surveillance

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

Sea lice

- Has the site experienced sea lice problems in the previous 4 years?
If yes, detail:
- Have lice levels stayed below the suggested criteria for treatment in the CoGP since the last inspection?
If no, detail:
- 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?
- If yes to 3, have these been reported to the Fish Health Inspectorate? If no, see comment.
- Does the site have treatment discharge consents relevant to sea lice?
If yes, detail:
- Have therapeutic treatments or the actions taken had a significant impact upon the lice levels recorded?
If no, detail:
- Is there a signed documented farm management agreement or statement relevant to the site and CoGP Farm Management Area (or equivalent)?
- 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

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:	2020-0283	Site No:	FS1255	Insp:		
Date of Visit	24/07/2020	No of movements/supp./dest.			Score	
Live fish movements		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	5
	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	6
	Number of destinations	0	3	6	10	3
Exposure via water	Site contacts	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		
Management practices		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				
	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				
Biosecurity	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	2		1
Disinfection of equipment between sites, use of footbaths etc	Yes	0				0
	No	1				
CoGP/Regulator						
Practices in accordance with regulator or industry code of practice	Yes	0				0
	No	3				
Platform access to cages	Yes	0				0
	No	2				
				Total Rank	21	MEDIUM

[REDACTED]
The Scottish Salmon Company
1 Smithy Lane
Lochgilphead
Argyll
PA31 8TA
[REDACTED]

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS No	FB0169	DATE OF CASE	24/07/2020
SITE No	FS1255	SITE NAME	North Uiskevagh
INSPECTOR	[REDACTED]	CASE No	20200283

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, and to meet the requirements of European Community Council Directive 2006/88/EC.

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.

No mortality levels exceeding the reporting criteria have been recorded since the last inspection.

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

Signed:



Date: 01/10/2020

Fish Health Inspector

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

Case No: Date of visit:

Time spent on site: Main Inspector:

Site No: Site Name:
Business No: Business Name:

Case Types: 1 2 3 4 5 6

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

Observations: Region: WI Water type: B 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:

Additional Case Information:

Notification was received on the 10th July 2020 of several moribund fish in the Leosaid catchment at Amhuinnsuidhe in North Harris. The fish were observed 10 or 20 metres from the coast. There were other fish observed in the sea that were reported to be fine. The Fisheries Trust was arranging for a local fish farm to take diagnostic samples but it was not known if this had occurred.

