

Scottish Salmon Watch, 10 January 2022

[FOI Reveals Infectious Salmon Anaemia at Landcatch's Ormsary Hatchery in November last year – was ISA imported via infected salmon eggs \(ova\) from Iceland?](#)



- FOIs reveal Landcatch (Hendrix) supplied farmed salmon to Organic Sea Harvest, Loch Duart, The Scottish Salmon Company & Scottish Sea Farms sourced from ova imported from Benchmark/Stofnfiskur in Iceland
 - Scottish Sea Farms tested positive for ISA in Loch Spelve on Mull in May 2021
- FOI disclosure by Scottish Government reveals Marine Harvest (Mowi) tested positive for ISA in Loch Greshornish on Skye in November 2014
 - FOI disclosure by the Scottish Government in October 2021 revealed ISA in 7% of Scottish farmed salmon sampled between 2002 & 2012

A Freedom of Information reply from the Scottish Government in January 2022 details three cases of Infectious Salmon Anaemia (ISA) on Scottish salmon farms since 2013 – at Marine Harvest (Mowi) in Loch Greshornish on the Isle of Skye in 2014; at Scottish Sea Farms in Loch Spelve on the Isle of Mull in May 2021 and at Landcatch's Ormsary Broodstock Unit in Argyll in November 2021 [1]. The [FOI disclosure \(FOI-2021-00259475\) dated 5 January 2020](#) included:

In addition, a further positive result (ISA HPR0) has been obtained from the Ormsary Broodstock Unit operated by Landcatch Natural Selection Ltd - case number 20210470. Case information has not yet been published as this is still in the course of completion. This will be published in due course in line with the Scottish Government publication plan concerning aquatic animal health surveillance, as referenced above. Relevant information to your request is extracted from our records as follows – site visit date - 1 November 2021; one positive result - ISAv Real Time QPCR was obtained and was confirmed as ISAv (HPR0) which is not subject to statutory control measures. The test result related to a pooled sample of three fish.

In both the Loch Spelve and Ormsary Broodstock Unit cases initial movement restrictions were placed on first suspicion and then revoked following the confirmation of the presence of ISA (HPR0), as opposed to the presence of ISAv (HPR-deleted). We have previously explained in significant detail the differences between ISAv – HPR0 and HPR-deleted strains and I would urge that the information provided to you through Fol 202100234467 is carefully considered as context with respect to this Fol response.

Here's photos [published by the Scottish Government in 2020](#) of disease-ridden farmed salmon at Landcatch's Ormsary Hatchery in Argyll:



In December 2021, Scottish Salmon Watch [wrote to Scottish Ministers calling for a ban on imported ova from Iceland due to the risks of spreading ISA.](#)

 **Don Staniford**
@TheGAAIA



"We need to head off the accusations of disease in Icelandic eggs though suggest we don't address the accusation directly" said [@scotgov](#) [@marinescotland](#) [@ScotGovNetZero](#) employee in February 2020. Now that ISA is reported in Iceland will you be banning ova imports? [@MairiGougeon](#)

From: <REDACTED> <REDACTED>@gov.scot>
Sent: 24 February 2020 11:37
To: <REDACTED> <REDACTED>@gov.scot>; <REDACTED> <REDACTED>@gov.scot>; <REDACTED><<REDACTED>@gov.scot>
Cc: <REDACTED><<REDACTED>@gov.scot>; <REDACTED><<REDACTED>@gov.scot>; <REDACTED><<REDACTED>@scotland.gsi.gov.uk>; <REDACTED> <<REDACTED>@gov.scot>; <REDACTED><<REDACTED>@gov.scot>; MS Communications <MS.Communications@gov.scot>; <REDACTED><<REDACTED>@gov.scot>; <REDACTED><<REDACTED>@gov.scot>; <REDACTED>(MARLAB) <<REDACTED>@gov.scot>; <REDACTED> <<REDACTED>@gov.scot>; <REDACTED>(MARLAB) <<REDACTED>@gov.scot>; <REDACTED>(MARLAB) <<REDACTED>@gov.scot>
Subject: RE: media inquiry - Salmon egg ban - the Ferret

<REDACTED>, thanks. I agree we need to head off the accusations of disease in Icelandic eggs though suggest we don't address the accusation directly but respond re rigorous trade process, disease-free status etc. So, copying to FHI colleagues for their comment/standard line.

2:53 PM · Nov 29, 2021



In December 2021, Laxar in Iceland (which [sources “healthy” ova from Stofnfiskur/Benchmark](#)) [slaughtered farmed salmon in Reyðarfjörður following a report of the pathogenic variant of ISA.](#)

Landcatch Natural Selection (a [subsidiary of Dutch/US-owned Hendrix Genetics](#)) has [imported over 26.7 million salmon eggs \(ova\) from ISA-ridden Norway, Iceland \(hit by the pathogenic variant of ISA in November 2021\)](#) and Ireland over the last six years.

A [FOI disclosure from the Scottish Government in March 2021](#) detailed millions of ova imported from Stofnfiskur ([rebranded as Benchmark Genetics Iceland in January 2021](#)) in Iceland to Landcatch’s Ormsary Hatchery for on-growing by Organic Sea Harvest Loch Duart and The Scottish Salmon Company:

Date consignment due	Destination site name	Destination business name	Consignee Business name (if different from destination business)	Species	Stage	Number in consignment	Source Country	Import consignor
02/02/2021	Ormsary Hatchery	Landcatch Natural Selection Ltd		SAL	OVA	780000	Iceland	Benchmark_Genetics_Iceland_Hf.
16/02/2021	Ormsary Hatchery	Landcatch Natural Selection Ltd	Organic Sea Harvest	SAL	OVA	800000	Iceland	Benchmark_Genetics_Iceland_Hf.

Date consignment due	Destination site name	Destination business name	Consignee Business name (if different from destination business)	Species	Stage	Number in consignment	Source Country	Import consignor
03/11/2020	Ormsary Hatchery	Landcatch Natural Selection Ltd	The Scottish Salmon Company	SAL	OVA	1750000	Iceland	Stofnfiskur_Hf.
10/11/2020	Ormsary Hatchery	Landcatch Natural Selection Ltd	Organic Sea Harvest Ltd	SAL	OVA	850000	Iceland	Stofnfiskur_Hf.
10/11/2020	Ormsary Hatchery	Landcatch Natural Selection Ltd	Loch Duart	SAL	OVA	490000	Iceland	Stofnfiskur_Hf.
08/12/2020	Ormsary Hatchery	Landcatch Natural Selection Ltd		SAL	OVA	690000	Iceland	Stofnfiskur_Hf.

A [FOI disclosure by the Scottish Government in September 2020](#) detailed millions of ova imported from Stofnfiskur ([rebranded as Benchmark Genetics Iceland in January 2021](#)) in Iceland to Landcatch’s Ormsary Hatchery for on-growing by Organic Sea Harvest, The Scottish Salmon Company, Loch Duart and Saumon de France:

Date consignment due	Destination site name	Destination business name	Consignee Business name (if different from destination business)	Species	Stage	Number in consignment	Source Country	Import consignor
21/01/2020	Ormsary Hatchery	Landcatch Natural Selection Ltd	Organic Sea Harvest Ltd	SAL	OVA	585000	Iceland	Stofnfiskur Hf.
20/02/2020	Ormsary Hatchery	Landcatch Natural Selection Ltd	The Scottish Salmon Company	SAL	OVA	2457000	Iceland	Stofnfiskur Hf.
19/03/2020	Ormsary Hatchery	Landcatch Natural Selection Ltd	Organic Sea Harvest Ltd	SAL	OVA	670000	Iceland	Stofnfiskur Hf.

Date consignment due	Destination site name	Destination business name	Consignee Business name (if different from destination business)	Species	Stage	Number in consignment	Source Country	Import consignor
12/11/2019	Ormsary Hatchery	Landcatch Natural Selection Ltd	Loch Duart Ltd	SAL	OVA	450000	Iceland	Stofnfiskur Hf.
27/11/2019	Ormsary Hatchery	Landcatch Natural Selection Ltd	Organic Sea Harvest Ltd	SAL	OVA	675900	Iceland	Stofnfiskur Hf.
28/11/2019	Ormsary Hatchery	Landcatch Natural Selection Ltd	The Scottish Salmon Company	SAL	OVA	2320500	Iceland	Stofnfiskur Hf.
11/12/2019	Ormsary Hatchery	Landcatch Natural Selection Ltd	Saumon de France	SAL	OVA	350000	Iceland	Stofnfiskur Hf.

A [FOI disclosure from the Scottish Government in February 2020](#) and [in December 2019](#) detailed millions of ova imported from Stofnfiskur (Benchmark) in Iceland; Mowi/Marine Harvest Ireland and Grieg Seafood Rogaland, Salmobreed, AS Bolaks and Aquagen in Norway to Landcatch for ongoing by Scottish Sea Farms, The Scottish Salmon Company, Loch Duart, Saumon de France and Organic Sea Harvest:

Date consignment due	Destination site name	Destination business name	Consignee Business name (if different from destination business)	Species	Stage	Number in consignment	Source Country	Import consignor
12/11/2019	Ormsary Hatchery	Landcatch Natural Selection Ltd	Loch Duart Ltd	SAL	OVA	450,000	Iceland	Stofnfiskur Hf.
27/11/2019	Ormsary Hatchery	Landcatch Natural Selection Ltd	Organic Sea Harvest Ltd	SAL	OVA	675,900	Iceland	Stofnfiskur Hf.
28/11/2019	Ormsary Hatchery	Landcatch Natural Selection Ltd	The Scottish Salmon Company	SAL	OVA	2,320,500	Iceland	Stofnfiskur Hf.
11/12/2019	Ormsary Hatchery	Landcatch Natural Selection Ltd	Saumon de France	SAL	OVA	350,000	Iceland	Stofnfiskur Hf.

Date consignment due	Destination site name	Destination business name	Consignee Business name (if different from destination business)	Species	Stage	Number in consignment	Source Country	Import consignor
14/02/2019	Ormsary Hatchery	Landcatch Natural Selection Ltd	Organic Sea Harvest	Salmon	Ova	584,000	Republic of Ireland	Mowi Ireland
30/01/2019	Ormsary Hatchery	Landcatch Natural Selection Ltd	The Scottish Salmon Company	Salmon	Ova	755,300	Norway	Grieg Seafood Rogaland
20/12/2018	Ormsary Hatchery	Landcatch Natural Selection Ltd		Salmon	Ova	250,000	Norway	Salmobreed
30/11/2018	Ormsary Hatchery	Landcatch Natural Selection Ltd		Salmon	Ova	315,000	Norway	AS Bolaks
27/11/2018	Ormsary Hatchery	Landcatch Natural Selection Ltd		Salmon	Ova	2,197,000	Norway	AS Bolaks
13/11/2018	Ormsary Hatchery	Landcatch Natural Selection Ltd		Salmon	Ova	750,000	Iceland	Stofnfiskur Hf.
01/03/2018	Ormsary Hatchery	Landcatch Natural Selection Ltd	The Scottish Salmon Company	Salmon	Ova	575,000	Iceland	Stofnfiskur Hf.
01/03/2018	Ormsary Hatchery	Landcatch Natural Selection Ltd	Scottish Sea Farms Ltd	Salmon	Ova	800,000	Republic of Ireland	Marine Harvest Ireland
07/02/2018	Ormsary Hatchery	Landcatch Natural Selection Ltd	Scottish Sea Farms Ltd	Salmon	Ova	1,500,000	Republic of Ireland	Marine Harvest Ireland

Date	Site of destination	Operator	Consignee on certificate (if different from operator)	Species	Stage	Number	Source Country	Source Company
23/02/2017	Ormsary Hatchery	Landcatch Natural Selection Ltd	Scottish Sea Farms Ltd	Salmon	Ova	2,200,000	Rep of Ireland	Marine Harvest Ireland
30/11/2017	Ormsary Hatchery	Landcatch Natural Selection Ltd	Scottish Sea Farms Ltd	Salmon	Ova	400,000	Iceland	Stofnfiskur
08/12/2017	Ormsary Hatchery	Landcatch Natural Selection Ltd	Scottish Sea Farms Ltd	Salmon	Ova	300,000	Iceland	Stofnfiskur

Date	Site of destination	Operator	Consignee on certificate (if different from operator)	Species	Stage	Number	Source Country	Source Company
18/02/2016	Ormsary Hatchery	Landcatch Natural Selection Ltd	Scottish Sea Farms Ltd	Salmon	Ova	2,100,000	Rep of Ireland	Marine Harvest (Ireland)
03/03/2016	Ormsary Hatchery	Landcatch Natural Selection Ltd	Scottish Sea Farms Ltd	Salmon	Ova	144,000	Rep of Ireland	Marine Harvest (Ireland)
08/12/2016	Ormsary Hatchery	Landcatch Natural Selection Ltd	Scottish Sea Farms Ltd	Salmon	Ova	988,000	Norway	Aquagen AS

Read more about Landcatch [online here](#)

 **Don Staniford**
@TheGAAIA

The Catch with Landcatch - how Lithgows sold Scottish salmon down the river to Dutch & US investors!
[@HGSalmonUK](#) [@BetterBreeding](#) [@kamesfishfarm](#)
[@WeAreBenchmark](#) [@ScotlandSalmon](#) [@scotgov](#)
tinyurl.com/3sbpxkz8



9:57 AM · Dec 1, 2021

Last week (7 January 2022), Scottish Salmon Watch filed a formal request for a review of the Scottish Government's refusal to disclose reports to DEFRA and the OIE (World Organization for Animal Health) [2].

The Scottish Government's [FOI disclosure \(FOI-2021-00259475\) dated 5 January 2020](#) also included:

As previously explained through our response to FoI 202100234467, information relating to the aquatic animal health surveillance programme conducted within Scotland, including the outcomes of that surveillance, is made publicly available through the Scottish Government website as detailed above. This includes data on the number of tests for ISAv (and other pathogens) as well as the results of those tests.

To facilitate you with searching published information I can advise you that two published cases have returned positive results for ISAv throughout the time period of your request. Further details are provided as follows:

1. Case number 20140560 relating to the site Loch Greshornish operated by Marine Harvest at the time of the inspection in 2014. A positive result for ISAv was obtained through diagnostic and statutory sampling. On both occasions insufficient product was present to allow sequencing and confirm any virus strain associated with this result. Consequently the presence of ISAv was ruled out as the results of sampling did not meet the official criteria to confirm the presence of the pathogen. Movement restrictions placed on suspicion at Loch Greshornish and three further sites (Ardintoul, Loch Duich and Torridon) which had epidemiological connections were revoked. Although the result was considered negative, in this situation the company undertook a commercial decision to depopulate the site at that time.
2. Case number 20210132 relating to Loch Spelve (B) operated by Scottish Sea Farms Ltd. Details concerning this case, including the confirmation of ISA HPR0 have been explained previously through FoI 202100234467.

Case Information relating to the ISA positive result in 2014 at Marine Harvest (renamed Mowi in 2019) is presented via Note [3].

[FOI-2021-00234467](#) disclosed by the Scottish Government in October 2021 [revealed that 7% of Scottish farmed salmon sampled between 2002 and 2012 tested positive for Infectious Salmon Anaemia \(396 ISA positives out of 5,395 samples\)](#).

Scottish Salmon Watch [reported in August 2021 that Norwegian-owned Scottish Sea Farms had tested positive for ISA in Loch Spelve following a Scottish Government inspection in May 2021](#).

Contact:

Don Staniford: 07771 541826 (salmonfarmingkills@gmail.com)

Read more via:

[The Catch with Landcatch - how Lithgows sold Scottish salmon down the river to Dutch & US investors!](#)

[Iceland Slaughters ISA-Infected Salmon - is Scotland next in the firing line?](#)

[ISA hits Scottish Sea Farms owner SalMar in Norway - how many hidden cases are lurking on salmon farms in Scotland?](#)

[Scottish Ministers with Egg on Their Faces - is it game ova for imports of salmon eggs from Iceland & Norway?](#)

[Scottish Scamon Eggsposé: The Foreign Companies Importing Over 320 Million Salmon Eggs \(Ova\) Into 'Scottish' Fish Farms Since 2016!](#)

[Letter to Scottish Ministers calling for a ban on ova imports from Iceland](#)

[Revealed: Infectious Salmon Anaemia Lurking in Scottish Salmon](#)

[ISA in Iceland - will Scotland ban ova imports to prevent disease risks as with Norway?](#)

[Mowi fined for breaching ISA laws in Norway - is ISA lurking at Mowi salmon farms in Scotland?](#)

[Top story on Intrafish reports on ISA at Scottish Sea Farms!](#)

["Activist challenged over claim about fish virus" \(Fish Farming Expert\)](#)

[Breaking News: ISA reported at RSPCA Assured Scottish Sea Farms on the Isle of Mull](#)

[Damning Disease Report for RSPCA Assured Scottish Sea Farms in Loch Spelve](#)

[Letter to Scottish Ministers re. ISA in Scottish Salmon](#)

[Media Backgrounder: Scottish Salmon's Recurring ISA Nightmare](#)

[Media Backgrounder: Norway's Infectious Salmon Aquacalypse – Going Global Since 1984!](#)

[Norway's Infectious Salmon "Horror Show" Secretly Playing Now In Scotland?](#)

[Norwegian Salmon Egg Exports Banned Due to Disease Risks](#)

Notes to Editors:

[1] A [FOI reply from the Scottish Government dated 5 January 2022](#) included:

To facilitate you with searching published information I can advise you that two published cases have returned positive results for ISAv throughout the time period of your request. Further details are provided as follows:

1. Case number 20140560 relating to the site Loch Greshornish operated by Marine Harvest at the time of the inspection in 2014. A positive result for ISAv was obtained through diagnostic and statutory sampling. On both occasions insufficient product was present to allow sequencing and confirm any virus strain associated with this result. Consequently the presence of ISAv was ruled out as the results of sampling did not meet the official criteria to confirm the presence of the pathogen. Movement restrictions placed on suspicion at Loch Greshornish and three further sites (Ardintoul, Loch Duich and Torridon) which had epidemiological connections were revoked. Although the result was considered negative, in this situation the company undertook a commercial decision to depopulate the site at that time.

2. Case number 20210132 relating to Loch Spelve (B) operated by Scottish Sea Farms Ltd. Details concerning this case, including the confirmation of ISA HPR0 have been explained previously through Fol 202100234467.

In addition, a further positive result (ISA HPR0) has been obtained from the Ormsary Broodstock Unit operated by Landcatch Natural Selection Ltd - case number 20210470. Case information has not yet been published as this is still in the course of completion. This will be published in due course in line with the Scottish Government publication plan concerning aquatic animal health surveillance, as referenced above. Relevant information to your request is extracted from our records as follows – site visit date - 1 November 2021; one positive result - ISAv Real Time QPCR was obtained and was confirmed as ISAv (HPR0) which is not subject to statutory control measures. The test result related to a pooled sample of three fish.

In both the Loch Spelve and Ormsary Broodstock Unit cases initial movement restrictions were placed on first suspicion and then revoked following the confirmation of the presence of ISA (HPR0), as opposed to the presence of ISAv (HPR-deleted). We have previously explained in significant detail the differences between ISAv – HPR0 and HPR-deleted strains and I would urge that the information provided to you through Fol 202100234467 is carefully considered as context with respect to this Fol response.

The majority of the information provided above is already available through the publication of case information and / or previous Fol responses – both references provided. Where information is already available, it is provided to you as a matter of courtesy. Information which is not publicly available has been extracted and provided above.

For your information, positive results from samples as part of the aquatic animal health surveillance programme within Scotland are reported to Defra for onward reporting to the OIE on a regular basis. Those communications have not been considered as part of this response as they add no additional information to your request relating to Infectious Salmon Anaemia in Scottish salmon since 1 January 2013.

[2] FOI Correspondence with the Scottish Government:

From: **Don Staniford** <salmonfarmingkills@gmail.com>

Date: Fri, Jan 7, 2022 at 2:54 PM

Subject: FOI review request re: 202100259475

To: <directormarinescotland@gov.scot>

Please consider this a formal request for a review of FOI- 2021-00259475.

The Scottish Government's FOI reply dated 5 January 2022 (attached) refused to disclose correspondence with Defra for onward reporting to the OiE; namely:

For your information, positive results from samples as part of the aquatic animal health surveillance programme within Scotland are reported to Defra for onward reporting to the OiE on a regular basis. Those communications have not been considered as part of this response as they add no additional information to your request relating to Infectious Salmon Anaemia in Scottish salmon since 1 January 2013.

My FOI request dated 2 December 2021 specifically asked for:

"Please provide information including raw test results, emails, letters, photos and any other data on ISA in Scottish salmon since 1 January 2013. Please include any correspondence with the World Organization for Animal Health (OIE), EFTA, DEFRA, salmon farming companies and any other parties in relation to ISA in farmed salmon since 1 January 2013 (above and beyond any information which is contained via <https://www.gov.scot/collections/publication-of-fish-health-inspectorate-information/>)".

Hence please provide the FULL information requested. The refusal to include the full information is baseless and a clear breach of FOI disclosure rules.

Please therefore provide ALL the information requested on 2 December 2021.

Thanks.

Please provide a receipt for this FOI request.

Don Staniford

Director, Scottish Salmon Watch



Don Staniford
salmonfarmingkills@gmail.com

Our Reference: 202100259475
Your Reference: FOI re. ISA in Scottish salmon since 1 January 2013

5 January 2022

Dear Don Staniford,

REQUEST UNDER THE ENVIRONMENTAL INFORMATION (SCOTLAND) REGULATIONS 2004 (EIRs)

Thank you for your request dated 2 December 2021 under the Environmental Information (Scotland) Regulations 2004 (EIRs).

Your request

You referred to a previous request 'FOI/202100234467 replied to by the Scottish Government on 1 October 2021 and published online on 1 November 2021', and asked for further information 'on Infectious Salmon Anaemia in Scottish salmon since 1 January 2013'.

The request referred, in particular, to parts 2 and 5 of the response relevant to FOI/202100234467 asking for 'information for 2013 to 2021 in the same format as the Excel spreadsheet detailing ISA tests and results for 2002 to 2012 via FOI - 202100234467 - Information Released - Annex'.

The request further stated that 'If this information is not available in the same format please provide site specific details of ISA positive cases since 1 January 2013. In addition, information including raw test results, emails, letters, photos and any other data on ISA in Scottish salmon since 1 January 2013' was also requested, together with information relating to 'correspondence with the World Organization for Animal Health (OIE), EFTA, DEFRA, salmon farming companies and any other parties in relation to ISA in farmed salmon since 1 January 2013 (above and beyond any information which is contained via <https://www.gov.scot/collections/publication-of-fish-health-inspectorate-information/>).'

Scottish Ministers, special advisers and the Permanent Secretary are covered by the terms of the Lobbying (Scotland) Act 2016. See www.lobbying.scot

St Andrew's House, Regent Road, Edinburgh EH1 3DG
www.gov.scot



INVESTORS
IN PEOPLE

Accredited
Until 2020



As the information you have requested is 'environmental information' for the purposes of the Environmental Information (Scotland) Regulations 2004 (EIRs), we are required to deal with your request under those Regulations. We are applying the exemption at section 39(2) of the Freedom of Information (Scotland) Act 2002 (FOISA), so that we do not also have to deal with your request under FOISA.

This exemption is subject to the 'public interest test'. Therefore, taking account of all the circumstances of this case, we have considered if the public interest in disclosing the information outweighs the public interest in applying the exemption. We have found that, on balance, the public interest lies in favour of upholding the exemption, because there is no public interest in dealing with the same request under two different regimes. This is essentially a technical point and has no material effect on the outcome of your request.

Response to your request

As previously explained through our response to Fol 202100234467, information relating to the aquatic animal health surveillance programme conducted within Scotland, including the outcomes of that surveillance, is made publicly available through the Scottish Government website as detailed above. This includes data on the number of tests for ISAv (and other pathogens) as well as the results of those tests.

To facilitate you with searching published information I can advise you that two published cases have returned positive results for ISAv throughout the time period of your request. Further details are provided as follows:

1. Case number 20140560 relating to the site Loch Greshornish operated by Marine Harvest at the time of the inspection in 2014. A positive result for ISAv was obtained through diagnostic and statutory sampling. On both occasions insufficient product was present to allow sequencing and confirm any virus strain associated with this result. Consequently the presence of ISAv was ruled out as the results of sampling did not meet the official criteria to confirm the presence of the pathogen. Movement restrictions placed on suspicion at Loch Greshornish and three further sites (Ardintoul, Loch Duich and Torridon) which had epidemiological connections were revoked. Although the result was considered negative, in this situation the company undertook a commercial decision to depopulate the site at that time.
2. Case number 20210132 relating to Loch Spelve (B) operated by Scottish Sea Farms Ltd. Details concerning this case, including the confirmation of ISA HPR0 have been explained previously through Fol 202100234467.

In addition, a further positive result (ISA HPR0) has been obtained from the Ormsary Broodstock Unit operated by Landcatch Natural Selection Ltd - case number 20210470. Case information has not yet been published as this is still in the course of completion. This will be published in due course in line with the Scottish Government publication plan concerning aquatic animal health surveillance, as referenced above. Relevant information to your request is extracted from our records as follows – site visit date - 1 November 2021; one positive result - ISAv Real Time QPCR was obtained and was confirmed as ISAv (HPR0) which is not subject to statutory control measures. The test result related to a pooled sample of three fish.

In both the Loch Spelve and Ormsary Broodstock Unit cases initial movement restrictions were placed

Scottish Ministers, special advisers and the Permanent Secretary are covered by the terms of the Lobbying (Scotland) Act 2016. See www.lobbying.scot



on first suspicion and then revoked following the confirmation of the presence of ISA (HPR0), as opposed to the presence of ISAv (HPR-deleted). We have previously explained in significant detail the differences between ISAv – HPR0 and HPR-deleted strains and I would urge that the information provided to you through Fol 202100234467 is carefully considered as context with respect to this Fol response.

The majority of the information provided above is already available through the publication of case information and / or previous Fol responses – both references provided. Where information is already available, it is provided to you as a matter of courtesy. Information which is not publicly available has been extracted and provided above.

For your information, positive results from samples as part of the aquatic animal health surveillance programme within Scotland are reported to Defra for onward reporting to the OiE on a regular basis. Those communications have not been considered as part of this response as they add no additional information to your request relating to Infectious Salmon Anaemia in Scottish salmon since 1 January 2013.

You may also find additional information, released previously, through responses to Fol requests where they concern ISAv, published on the Scottish Government website: <https://www.gov.scot/publications/>

An exception applies

While our aim is to provide information whenever possible, in this instance we are unable to provide some of the information you have requested because an exception under the EIRs applies - regulation 10(4)(a) – information not held. The reasons why this exception applies are explained in further detail below.

Under the terms of the exception at regulation 10(4)(a) of the EIRs (information not held), the Scottish Government is not required to provide information which it does not have. The Scottish Government does not have some of the information you have requested - information 'on Infectious Salmon Anaemia in Scottish salmon since 1 January 2013' for example photographs, letters or emails concerning ISAv because there have been no outbreaks of ISAv (HPR-deleted) causing ISA disease within that time period.

This exception is subject to the 'public interest test'. Therefore, taking account of all the circumstances of this case, we have considered if the public interest in disclosing the information outweighs the public interest in applying the exception. We have found that, on balance, the public interest lies in favour of upholding the exception. While we recognise that there may be some public interest in information about Infectious Salmon Anaemia in Scottish salmon since 1 January 2013, clearly we cannot provide information which we do not hold.

Under regulation 6(1)(b) of the EIRs, we do not have to give you information which is already publicly available and easily accessible to you in another form or format. If, however, you do not have internet access to obtain this information from the website(s) listed, then please contact me again and I will send you a paper copy.

Your right to request a review

If you are unhappy with this response to your EIRs request, you may ask us to carry out an internal Scottish Ministers, special advisers and the Permanent Secretary are covered by the terms of the Lobbying (Scotland) Act 2016. See www.lobbying.scot

review of the response, by writing to:

The Director of Marine Scotland:
Area 1B South, Victoria Quay
The Shore
Edinburgh
EH6 6QQ

Or by emailing Directormarinescotland@gov.scot

Your review request should explain why you are dissatisfied with this response, and should be made within 40 working days from the date when you received this letter. We will complete the review and tell you the result, within 20 working days from the date when we receive your review request.

If you are not satisfied with the result of the review, you then have the right to appeal to the Scottish Information Commissioner. More detailed information on your appeal rights is available on the Commissioner's website at:

<http://www.itspublicknowledge.info/YourRights/Unhappywiththeresponse/AppealingtoCommissioner.aspx>

Yours sincerely

Neil Purvis
MSS : Aquaculture and Fish Health

----- Forwarded message -----

From: **Don Staniford** <salmonfarmingkills@gmail.com>

Date: Thu, Dec 2, 2021 at 6:04 AM

Subject: FOI re. ISA in Scottish salmon since 1 January 2013

To: <CEU@gov.scot>

Cc: <Neil.Purvis@gov.scot>

Further to FOI/202100234467 replied to by the Scottish Government on 1 October 2021 and [published online on 1 November 2021](#), please provide information on Infectious Salmon Anaemia in Scottish salmon since 1 January 2013.

As context, the Scottish Government's reply via FOI/202100234467 on 1 October 2021 included:

Sample information is provided to you in the attached spreadsheet, as per your request at parts 2 and 5. This includes the number of positive and negative results for ISA across all sites, currently registered as farming Atlantic salmon, for the period 01/01/2002 through to 31/12/2012. Data from 01/01/13 onwards is actively published on the Scottish Government website and is contained within the aquatic animal health surveillance information from obtained through

inspections undertaken by the Scottish Government's Fish Health Inspectorate:
<https://www.gov.scot/collections/publication-of-fish-health-inspectorate-information/>

Please provide information for 2013 to 2021 in the same format as the Excel spreadsheet detailing ISA tests and results for 2002 to 2012 via [FOI - 202100234467 - Information Released - Annex](#)

If this information is not available in the same format please provide site specific details of ISA positive cases since 1 January 2013. Please provide information including raw test results, emails, letters, photos and any other data on ISA in Scottish salmon since 1 January 2013.

Please include any correspondence with the World Organization for Animal Health (OIE), EFTA, DEFRA, salmon farming companies and any other parties in relation to ISA in farmed salmon since 1 January 2013 (above and beyond any information which is contained via <https://www.gov.scot/collections/publication-of-fish-health-inspectorate-information/>).

Please consider this an official request for information under the relevant FOI and Environmental Information regulations.

Please provide the information electronically.

Please provide a receipt for this FOI request.

Thanks,

Don Staniford

Director, Scottish Salmon Watch

[3] 'Case Information' in relation to Marine Harvest's Loch Greshornish salmon farm in 2014 ([#2014-0560](#)) includes:

Case No:	2014-0560	Date of visit:	08/11/2014
Time spent on site:	11:00	Main Inspector:	JMS
Site No:	FS0015	Site Name:	Loch Greshornish
Business No:	FB0119	Business Name:	Marine Harvest (Scotland) Ltd
Case Types:	1 STS	2 DIA	3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/>
Water Temp (°C)	11.8	Thermometer No:	Site
		FHI 045 completed	<input type="checkbox"/>
Observations:	Water type: S		
Dead/weak/abnormally behaving fish present?	<input type="checkbox"/> y	If yes, see additional information/clinical score sheet.	
Clinical signs of disease observed?	<input type="checkbox"/> y	If yes, see additional information/clinical score sheet.	
Gross pathology observed?	<input type="checkbox"/> y	If yes, see additional information/clinical score sheet.	
Diagnostic samples taken?	<input type="checkbox"/> y		

Additional Case Information:

And ALW. Paper work carried out 7/11/14 (ALW/JMS) sampling/site inspection (ALW/JMS) additional paper work (ALW) 8/11/14.

Site inspected and statutory sampling carried out following positive PCR result for ISAv following diagnostic sampling carried out by ALW on 5/11/14 (case 20140548). The site has recorded losses of ~300000 fish for the past month. Severe gill damage was observed in the majority of fish sampled but no gross pathology associated with ISA observed.

For recommendations in relation to dead fish waste disposal see 20140548.

Mortality Records	
1. Mortality records available for inspection?	<input type="checkbox"/> Y
2. How are mortalities disposed of?	Incinerated
If other detail:	Due to the current level of mortality, morts are also being disposed of to landfill
3. Mortality records complete and correctly entered?	<input type="checkbox"/> Y
4. Recent mortality (last 4 wks):	morts since last inspection: (5/11/14 - 7/11/14) = 30200/site. Site manager estimates another 21000 morts/site 8/11/14. Mortalities attributed to severe gill damage. Mortality levels ~10000 fish/cage/day last four weeks. All cages affected.
5. Evidence of recent increased/atypical mortalities?	<input type="checkbox"/> Y

Results of Surveillance	
1. Has any animal health surveillance been carried out by, or on behalf of, the business?	<input type="checkbox"/> Y
2. If yes, are results available for inspection?	<input type="checkbox"/> Y
3. Any significant results?	<input type="checkbox"/> Y
If yes, detail (if not detailed under recent disease problems).	
AGD, PGD, HSMI positive, advanced liver cell necrosis	

Additional Sample Information:

Sampling: ALW 1-5 (+histology), 21-52, 83-103. 109-140. JMS 6-10, 11-20, 53-77, 78-82, 104-108, 141-150. Fish sampled were lethargic, gill damage observed in the majority of fish, fish had not been feeding. No internal signs of observed.

150 Total Tests assigned 3

F13	F14	F15	F16	F17	F18	F19	F20	F21	F22	F23	F24	F25	F26	F27
13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
SAL														
1.3Kg														
N/A														
SW														
lochallort														
8	8	8	8	8	8	8	8	8	8	8	8	8	8	8

Additional comments:

No brain sampled as killed by percussive stun. Gill damage observed. No internal signs of ISA observed

Case No: 2014-0560 Date of visit: 08/11/2014
 Site No: FS0015 Inspector: JMS

Results Summary	Freq.	Date of Notification						
		Database	Insp	Phone	Insp	Writing	Insp	2 nd Insp
AMGD	5/5	12/11/2014	JMS	14/11/2014	ALW	10/12/2014	ALW	
LPAT	4/5	12/11/2014	JMS	14/11/2014	ALW	10/12/2014	ALW	
ISA PCR	1/149	14/11/2014	ALW	14/11/2014	ALW	10/12/2014	ALW	DJT
ISAv	0/1	10/12/2014	ALW	11/12/2014	JMS	10/12/2014	ALW	DJT

██████████
Marine Harvest (Scotland) Ltd
Farms Office
Blar Mhor Industrial Estate
Fort William
PH33 7PT
████████████████████

FINAL FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS NO	FB0119	DATE OF VISIT	08/11/2014
SITE NO	FS0015	SITE NAME	Loch Greshornish
INSPECTOR	Jeanna Sandilands & Andrea Warwick	CASE NO	20140560

Section 1: Summary

A statutory test was conducted and diagnostic samples were taken from five fish.

Pathological changes observed included marked amoebic gill disease associated gill pathology in all fish. These lesions would severely limit the respiratory area available and alone would impact on fish survival. The changes in the liver were mild to moderate across four fish and the lesions would also compromise the health status of the fish. Heart lesions considered compensatory were also noted and there was evidence of a reaction to vaccine adjuvant in two fish.

Please contact myself or the duty inspector should you require any further information, have any queries regarding this report or if any problems develop. A separate report will be issued with the results from the statutory test.

Section 2: Case Detail

Observations

A statutory test was conducted to test for the presence of infectious salmon anaemia following a positive real-time PCR result from a previous inspection (see report from case 20140548). A number of lethargic fish were observed across the site and samples were taken from five fish. Gill damage was observed and internally there was no feed present in the guts.

Samples

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

Fish number	Facility number	Species	Stage	Origin
1-5	8	Atlantic salmon	Growers (2013 Q4)	Lochailort Recirculation Unit

Results

Molecular Genetics: Tissue samples were tested for the presence of segments of RNA indicative of the presence of infectious salmon anaemia virus (ISAv) using real-time PCR (QPCR).

The results of these tests were negative.

Histology: Tissue samples of gill, skin and skeletal muscle, heart, pyloric caeca, pancreas, hind gut, liver, spleen and kidney were taken from fish 1 to 5. The tissue samples were fixed in 10% neutral buffered formalin.

Histopathological examination revealed the following:

Gills: severe chronic multifocal hyperplasia with lamellar fusion and lacunae formation, moderate number of amoeba

Skin and skeletal muscle: limited focal necrosis, some centralisation of nuclei in one fish

Heart: degeneration of fibres in compactum with some hypertrophy

Pancreas: fibrosis with infiltration noted in two fish and attributed to vaccine adhesions

Liver: multifocal necrosis. Lesions were diffuse with a tendency for areas of conservation around the main blood vessels, with some reaching the vessels. Rounding of hepatocytes with nuclei pyknosis, and some release of flocculent material

Kidney: limited foal necrosis noted in two fish

Spleen: within normal range

Signed:



Fish Health Inspector

Date: 08/12/2014

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Marine Scotland website at www.scotland.gov.uk/Topics/marine/Fish-Shellfish/FHI/charter

Scotland's Marine Atlas, an assessment of the condition of Scotland's seas, is available at www.scotland.gov.uk/marineatlas

R09

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

www.scotland.gov.uk/Topics/marine/science

Tel - 01224 295525 Fax - 01224 295620 Email - ms.fishhealth@scotland.gsi.gov.uk

██████████
Marine Harvest (Scotland) Ltd
Farms Office
Blar Mhor Industrial Estate
Fort William
PH33 7PT
████████████████████

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS NO	FB0119	DATE OF VISIT	08/11/2014
SITE NO	FS0015	SITE NAME	Loch Greshornish
INSPECTOR	Jeanna Sandilands & Andrea Warwick	CASE NO	20140560

Statutory test

A statutory test was conducted following suspicion of the presence of infectious salmon anaemia virus (ISAv) from samples taken during a previous inspection (see report for case 20140548). The site had experienced increased mortality levels and a number of lethargic fish were observed across the site.

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

Samples

One hundred and forty nine Atlantic salmon were tested for the presence of infectious salmon anaemia virus (ISAv) (one sample was lost prior to processing from fish 87). Samples were collected according to the table below:

Fish number	Facility number	Stage	Origin
1-41	8	Grower (2013 Q4)	Lochailort Recirculation Unit
42-52	5	Grower (2013 Q4)	Lochailort Recirculation Unit
53-57, 63-72	1	Grower (2013 Q4)	Lochailort Recirculation Unit
58-62, 73-77	7	Grower (2013 Q4)	Lochailort Recirculation Unit
78-86, 88-92	3	Grower (2013 Q4)	Lochailort Recirculation Unit
93-103	9	Grower (2013 Q4)	Lochailort Recirculation Unit
104-108, 115-119	2	Grower (2013 Q4)	Lochailort Recirculation Unit

R16

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

www.scotland.gov.uk/Topics/marine/science

Tel - 01224 295525 Fax - 01224 295620 Email - ms.fishhealth@scotland.gsi.gov.uk

109-114,120-128	6	Grower (2013 Q4)	Lochailort Recirculation Unit
129-140	11	Grower (2013 Q4)	Lochailort Recirculation Unit
141-150	12	Grower (2013 Q4)	Lochailort Recirculation Unit

Results

Molecular genetics: Tissue samples were tested for the presence of segments of RNA indicative of the presence of ISAv using real-time PCR (QPCR).

Fish 79 tested positive for ISAv. Sequencing was not possible due to insufficient amount of product.

Virology: Tissue samples from fish 79 were tested for the presence of infectious salmon anaemia virus (ISAv) by cell culture.

The result of this test was negative.

Appraisal

The presence of ISAv was not confirmed.

As the virology test was negative, the movement restrictions currently in force will be revoked.

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: 10/12/2014

Further 'Case Information' was [published via 2014-0548](#):

Case No:	2014-0548	Date of visit:	05/11/2014
Time spent on site:	5 hours	Main Inspector:	ALW
Site No:	FS0015	Site Name:	Loch Greshornish
Business No:	FB0119	Business Name:	Marine Harvest (Scotland) Ltd
Case Types:	1 REP	2 DIA	3 VMD
Water Temp (°C):	11.5	Thermometer No:	T151
Observations:		FHI 045 completed:	<input type="checkbox"/>
		Water type:	S
Dead/weak/abnormally behaving fish present?	<input type="checkbox"/>	Y	If yes, see additional information/clinical score sheet.
Clinical signs of disease observed?	<input type="checkbox"/>	Y	If yes, see additional information/clinical score sheet.
Gross pathology observed?	<input type="checkbox"/>	Y	If yes, see additional information/clinical score sheet.
Diagnostic samples taken?	<input type="checkbox"/>	Y	

Additional Case Information:

Mortality from last inspection to 4 October - 161,204 (111,563 poor performers, 49,376 AGD, 265 birds). Cages 1, 7, 8, 9 and 12 had the highest numbers (ranged from 19,041 in cage 7 to 33,878 in cage 8). Other cages ranged from 4,032 in cage 11 to 12,790 in cage 5

Mortality for last month ranged from 14,560 in cage 11 to 41,562 in cage 5 with most cages at 30,000 or above.

Most cages have lost between 45 to 75 % although cage 5 is almost completely empty and losses from cage 11 are at approx. 25%.

Manager estimates that site is approx. 3 days behind on mortality removal and losing ~19,000-20,000 fish per day. Mortality rate has been increasing in recent weeks. Mortality levels initially began to increase in July.

Mortalities are being transported to Uig by boat then to Loch Duich shorebase for transport to Widnes (SecAnim/Granox). Mortalities also sent to landfill at Avondale and Peterhead. Road access is limited. Mortalities are normally incinerated at shorebase.

Mortalities are removed using an uplift system.

No indication of increased plankton in area and have been monitoring closely (conducting plankton trawls for university research project).

Lost a higher than expected number of fish at input (14%). Fish have not been feeding well - only 0.5% instead of expected 2% body weight.

Fish health reports indicate 'complex gill disease' including AGD and PGD. Recent report states that gill inflammation suggests a recent waterbourne insult.

Recent AGD scores - highest average was 2.

Have only treated with hydrogen peroxide on site (May, July and September). Lost 68,000 fish during September treatment. Company deciding whether to treat with hydrogen peroxide next week.

A number of lethargic fish observed in each cage (esitmate ~100 per cage), but water dark due to freshwater run off.

Removed a couple of fish for VMD samples that were responsive to feed.

Internally all fish appeared normal apart from yellow fecal casts in lethargic fish.

Case No: Site No:

Date of Visit: Inspector(s):

Registration/Authorisation Details

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

2. Changes made to details?

Site Details

Total No facilities	<input type="text" value="12"/>	Facilities stocked	<input type="text" value="10"/>	No facilities inspected	<input type="text" value="12"/>
Species	<input type="text" value="SAL"/>				
Age group	<input type="text" value="Q4"/>				
No Fish	<input type="text" value="240,000"/>				
Mean Fish Wt	<input type="text" value="1.3Kg"/>				
Next Fallow Date (Site)	<input type="text" value="Before end of 2014"/>		Next Input Date (Site)	<input type="text" value="Feb/Mar 2015"/>	

Recent (last 4 wks) disease problems? Any escapes (since last visit)?

If yes, detail:

Mortality Records

1. Mortality records available for inspection?

2. How are mortalities disposed of?

If other detail:

3. Mortality records complete and correctly entered?

4. Recent mortality (last 4 wks):

5. Evidence of recent increased/atypical mortalities?

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

6. Any other peaks in mortality during period checked?

If yes, detail:

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

If yes, detail action:

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).

██████████
Marine Harvest (Scotland) Ltd
Farms Office
Blar Mhor Industrial Estate
Fort William
PH33 7PT
████████████████████

FINAL FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS NO	FB0119	DATE OF VISIT	05/11/2014
SITE NO	FS0015	SITE NAME	Loch Greshornish
INSPECTOR	Andrea Warwick	CASE NO	20140548

Section 1: Summary

The site was inspected following notification of increased mortalities and diagnostic samples were taken from ten lethargic fish.

Histological examination revealed pathological changes including marked amoebic gill disease associated gill pathology in all fish. These lesions would severely limit the respiratory area available and alone would impact on fish survival. Changes in the liver were mild to severe across six of the fish and these lesions would also severely compromise the health status of the fish. There was also evidence of reaction to vaccine adjuvant in two fish, but a chronic pancreas disease cannot be ruled out in at least one fish.

The real-time PCR test for infectious salmon anaemia (ISAv) was positive for pool 2, but there was insufficient product to sequence. The corresponding cell culture test for ISAv was negative. Immunohistochemistry testing of tissue samples from fish 2, 8 and 9 was negative for the presence of a protein indicative of the ISA virus. The presence of ISAv was not confirmed.

A follow up sample of 150 fish to test for the presence of ISAv was taken following initial results from this case. The results from this test will be reported on separately once complete (case number 20140560).

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

R09

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

www.scotland.gov.uk/Topics/marine/science

Tel - 01224 295525 Fax - 01224 295620 Email - ms.fishhealth@scotland.gsi.gov.uk

Section 2: Case Detail

Observations

A report was received of increased mortality levels at Loch Greshornish. Recent health reports had indicated that there were gill issues including amoebic gill disease (AGD), proliferative gill disease (PGD) and gill inflammation. Upon inspection a large number of lethargic fish were observed in all cages. Ten fish were removed and examined. Internally, yellow faecal casts were present in all fish.

Samples

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

Fish number	Pool number	Facility number	Species	Stage	Origin
1-5	P1	12	Atlantic salmon	Growers (1.3Kg)	Lochailort Recirculation Unit
6-10	P2	8	Atlantic salmon	Growers (1.3Kg)	Lochailort Recirculation Unit

Results

Virology: Tissue samples from pools 1 & 2 were tested for the presence of viral haemorrhagic septicaemia virus (VHSV), infectious haematopoietic necrosis virus (IHNV) and infectious pancreatic necrosis virus (IPNV) by cell culture. Tissue samples from pool 2 were tested for the presence of infectious salmon anaemia (ISAv) by cell culture

The results of these tests were negative.

Bacteriology: Kidney material and gill swabs from 1 to 10 were inoculated onto appropriate media for the isolation of bacteria.

No significant bacteria were isolated from the plate inoculated with kidney material. There was a moderate mixed growth on the plates inoculated from the gill material of fish 1, but these were not known fish pathogens.

Molecular Genetics: Tissue samples were tested for the presence of segments of RNA indicative of the presence of infectious salmon anaemia virus (ISAv) and salmonid alphavirus (SAV) using real-time PCR (QPCR).

Pool 2 was positive for ISAv. The tests for SAV were negative.

Histology: Tissue samples of gill, skin and skeletal muscle, heart, pyloric caeca, pancreas, hind gut, liver, spleen and kidney were taken from fish 1 to 10. The tissue samples were fixed in 10% neutral buffered formalin.

Histopathological examination revealed the following:

Gills: Severe chronic multifocal hyperplasia with lamellar fusion and lacunae formation, high number of amoeba.

R09

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

www.scotland.gov.uk/Topics/marine/science

Tel - 01224 295525 Fax - 01224 295620 Email - ms.fishhealth@scotland.gsi.gov.uk

Skin and skeletal muscle: Slight oedema and mild focal degeneration in red muscle, occasional mild focal degeneration in white muscle.

Heart: Evidence of mild loss of striation with occasional infiltration observed but poor staining differentiation of sections has limited the diagnosis.

Intestine and pyloric caeca: Occasional sloughing.

Pancreas: Fibrosis with infiltration noted in three fish and attributed to vaccine adhesions in two fish.

Liver: Widespread multifocal necrosis. Lesion were diffuse with a tendency for areas of conservation around the main blood vessels, with some reaching the vessels. Rounding of hepatocytes with nuclei pyknosis, and some release of flocculent material. In some fish there was capillary dilatation and blood extravasation.

Kidney: In some fish there was capillary dilatation and some foci of free blood cells in the interstitium.

Spleen: Evidence of congestion of sinusoids.

Immunohistochemistry: Tissue samples of heart and kidney were taken from fish 2, 8 and 9. The tissue samples were fixed in 10% neutral buffered formalin. Samples of tissue were tested for the presence of a protein indicative of the ISA virus by immunohistochemistry (IHC) using a monoclonal antibody and an alkaline phosphatase. The results of these tests were negative.

Signed:



Fish Health Inspector

Date: 10/12/2014

██████████
Marine Harvest (Scotland) Ltd
Farms Office
Blar Mhor Industrial Estate
Fort William
PH33 7PT
████████████████████

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS NO	FB0119	DATE OF VISIT	05/11/2014
SITE NO	FS0015	SITE NAME	Loch Greshornish
INSPECTOR	Andrea Warwick	CASE NO	20140548

Inspection under the Animals and Animal Products (Examination for Residues and Maximum Residue Limits) Regulations 1997

The above site was visited in accordance with the Animals and Animal Products (Examination for Residues and Maximum Residue Limits) Regulations 1997.

Samples were taken to be analysed for veterinary residues.

In addition, samples were taken for diagnostic purposes. A separate report will be issued detailing the results of these tests.

Records

The information required for the public record of aquaculture production businesses regarding this site was verified and where necessary updated.

Medicine records were inspected and found to be adequately maintained.

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

Mortality records were inspected and found to be adequately maintained.

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

The records of movements of dead fish from the site were inadequate. In several cases the destination was missing from the waste disposal collection note and for the majority of entries there was no number or quantity of fish on the note. Where mortalities were transferred to Loch Duich shorebase, there is no record of the transport used (boat name and vehicle registration).

R20

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

www.scotland.gov.uk/marinescotland

Tel - 01224 295525 Fax - 01224 295620 Email - ms.fishhealth@scotland.gsi.gov.uk

These must be addressed to ensure the conditions of authorisation for your Aquaculture Production Business (APB) are being met. Records 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 assistance or clarification in implementing any requirement or recommendation detailed in this report.

Signed:

A large black rectangular redaction box covering the signature of the Fish Health Inspector.

Fish Health Inspector

Date: 13/11/2014