

[Scottish Salmon Watch](#), 7 April 2019

Easter Egg Ban for 'Scottish' Salmon?

- Imports threaten genetic integrity & health of 'Scottish' salmon
- Scottish Ministers challenged to increase surveillance for infectious diseases, pathogens, parasites & viruses

Campaigners have [issued an Easter challenge](#) to the Scottish Government to ban imports of salmon eggs (ova) from Norway and Iceland flooding into '[Scottish](#)' salmon farms. During the Easter break, [Scottish Salmon Watch](#) will deliver salmon-pink eggs (with a hidden surprise from Norway inside) to Members of the Scottish Parliament.



A [letter sent to Scottish Ministers this week](#) (5 April) calls for increased surveillance of ova, smolts and farmed salmon for infectious diseases, pathogens, bacteria, parasites and viruses. In a [FOI reply dated 6 March 2019 \(FOI/19/00420\)](#), the Scottish Government admitted that "there is no statutory sampling conducted with respect to ova and smolts prior to their entry into sea water, either in relation to imported or domestically produced animals".

Last year the Norwegian Government [banned the import of salmon eggs from Scotland](#) citing unacceptable disease and genetic risks under the [Norwegian Nature Diversity Act](#). Yet the Scottish Government has flooded Scotland with potentially-infected salmon eggs with over 606 million imported since 2003.

Data disclosed by the Scottish Government via FOI details at least 442 million salmon eggs imported from Norway between 2003 and 2018 (i.e. Norway represented over 70% of imports) including millions of eggs from [ISA-ridden AquaGen in Norway](#), [ISA-suspected Marine Harvest in Norway](#) and [PRV-infected Stofnfiskur in Iceland](#) [1].

"The Scottish Government should give an Easter gift and follow the Norwegian Government's ban on the import of salmon eggs," said Don Staniford, [Director of Scottish Salmon Watch](#). "The weight of scientific evidence detailing disease risks and genetic

pollution is overwhelming. Failure to properly police the foreign-controlled 'Scottish' salmon farming industry is the antithesis of the precautionary principle. Salmon farms are a biohazard and should be quarantined."



"Disease-ridden salmon farms and healthy wild fish populations are inherently incompatible," [continued Staniford](#). "The future of Scotland's iconic wild salmon is being sacrificed at the altar of the Norwegian-owned salmon farming industry. The Scottish Government must immediately ban salmon egg imports and test salmon farms for infectious diseases, pathogens and viruses."

Documents disclosed via Freedom of Information by Mattilsynet (the Norwegian Food Safety Authority) [2] and the Scottish Government reveal that [ISA-ridden AquaGen](#) has imported over 29.5 million salmon eggs into Scotland since 2016 including to the [Scottish Sea Farms £48 million hatchery at Barcaldine](#) officially 'opened' by the Scottish Government in [November 2018](#); [AquaGen's Holywood Salmon Farm in Dumfries](#) in January 2019; The Scottish Salmon Company's [ERM-infected Kinlochmoidart Hatchery](#) in 2016 and 2017; [PD-infected Loch Duart](#) in 2017; Cooke Aquaculture's [IPN and PD-infected hatchery at Furnace on Loch Fyne](#) in 2016 and [Mowi's fungus-ridden Lochailort Hatchery](#) in 2016.

Scottish Salmon Watch's letter to Scottish Ministers (5 April 2019) [cites peer-reviewed scientific research](#) reporting how infectious diseases, pathogens and viruses can be spread via vertical transmission (i.e. via eggs to on-grown fish). In 2018, Cooke Aquaculture in the United States was [forced to destroy 800,000 farmed salmon following detection of Piscine Orthoreovirus \(PRV\)](#) with the [finger of suspicion pointed at infected eggs supplied by Stofnfiskur in Iceland](#). In 2011, [The New York Times fingered AquaGen](#) in relation to the import of [Infectious Salmon Anaemia](#) to Chile via [vertical transmission of infected salmon eggs](#) from Norway.

Read more via [Letter to Scottish Ministers: Surveillance of Salmon Farms, Hatcheries & Ova to Minimise Disease Risks](#) (5 April 2019)

In February 2019, Scottish Salmon Watch [revealed](#) that AquaGen's import of 2.5 million salmon eggs to the [Scottish Sea Farms hatchery at Barcaldine](#) in November 2018 was delayed due to fears over the spread of Infectious Salmon Anaemia (ISA).



Read more via: [The Ferret: "Deadly virus outbreak prompted fears over import of fish farm eggs to Scotland"](#)

An inspection of [AquaGen's Hollywood Salmon Farm](#) in November 2018 by the Scottish Government's Fisheries Health Inspectorate [reported](#) that: "The biosecurity measures plan for the site was inspected and found to be inadequately maintained" [3].



Data [disclosed by the Scottish Government in September 2018](#) and [in November 2018](#) detail imports from AquaGen in Norway to Cooke Aquaculture, The Scottish Salmon Company, Kames Fish Farming, Migdale Smolts, Loch Duart, Marine Harvest and Grieg Seafood. The data also reveals that over 21 million salmon eggs have been imported from Iceland by Stofnfiskur - [a company implicated in the spread of Piscine Orthoreovirus \(PRV\) to Cooke Aquaculture in the United States in 2018](#) - since January 2016 [1].

Specific information on salmon egg imports to [Norwegian-owned Scottish Sea Farms](#) was redacted in 2018 with the [Scottish Government arguing](#) that "disclosure....would, or would be likely to, prejudice substantially the confidentiality of commercial information provided by Scottish Sea Farms and thus cause substantial harm to their commercial interests".

Date	Site of destination	Operator	Consignee on certificate (if different from operator)	Species	Stage	Number	Source Country	Source Company
18/01/2017	Knock Hatchery	Scottish Sea Farms Ltd		Salmon	Ova	1,500,000	REDACTED	REDACTED
09/02/2017	Couldoran Incubation Unit	Scottish Sea Farms Ltd		Salmon	Ova	1,500,000	REDACTED	REDACTED
09/02/2017	REDACTED	REDACTED	Scottish Sea Farms Ltd	Salmon	Ova	400,000	REDACTED	REDACTED
23/02/2017	REDACTED	REDACTED	Scottish Sea Farms Ltd	Salmon	Ova	2,200,000	REDACTED	REDACTED
07/11/2017	Couldoran Incubation Unit	Scottish Sea Farms Ltd		Salmon	Ova	745,000	REDACTED	REDACTED
30/11/2017	REDACTED	REDACTED	Scottish Sea Farms Ltd	Salmon	Ova	400,000	REDACTED	REDACTED
08/12/2017	REDACTED	REDACTED	Scottish Sea Farms Ltd	Salmon	Ova	300,000	REDACTED	REDACTED
18/01/2018	Knock	Scottish Sea Farms Ltd		Salmon	Ova	1,550,000	REDACTED	REDACTED
07/02/2018	REDACTED	REDACTED	Scottish Sea Farms Ltd	Salmon	Ova	1,500,000	REDACTED	REDACTED
15/02/2018	Couldoran Incubation Unit	Scottish Sea Farms Ltd		Salmon	Ova	1,600,000	REDACTED	REDACTED
01/03/2018	REDACTED	REDACTED	Scottish Sea Farms Ltd	Salmon	Ova	800,000	REDACTED	REDACTED

Last month (13 March), Scottish Salmon Watch filed appeals with the Scottish Information Commissioner against the [Scottish Government's refusals to disclose information on imports of salmon eggs by Scottish Sea Farms](#).

Scottish Salmon Watch has recently [published damning details](#) of infectious diseases, pathogens, viruses and parasites at salmon farms operated by [Mowi \(formerly Marine Harvest\)](#), [The Scottish Salmon Company](#), [Scottish Sea Farms](#), [Cooke Aquaculture](#), [Grieg Seafood](#), [Loch Duart](#) and [Wester Ross Fisheries](#) inspected by the Scottish Government's [Fish Health Inspectorate during 2018](#).

Read more via:

["The Sorry State of Scottish Salmon Farming in 2018"](#)

[Mowi's Disease-Ridden Mortalities - 1.6 million+ in 101 incidents \(2017-2018\)](#)

[Mortalities & Disease at The Scottish Salmon Company \(2017-2018\)](#)

Marine Harvest ([renamed Mowi on 1 January 2019](#)) imported 12.5 million salmon eggs from Norway in 2016 (including 4 million from AquaGen - [a company it used to own](#)) to their [fungus-ridden Lochailort Hatchery](#). In 2017 and up to July 2018, Mowi imported a further 25 million salmon eggs from Marine Harvest in Norway ([a company infected with ISA in December 2017](#) and [in July 2018](#)) to their [Lochailort Hatchery](#).



In a stinging attack last year, the head of the only independent Scottish salmon egg producer ([Landcatch - owned by Hendrix Genetics](#)) accused the Scottish Government of taking a "massive risk" by allowing salmon eggs from Norway and Iceland to flood 'Scottish' salmon farms citing the danger of "transfer of ISA from infected countries such as Norway".

"This means that the Scottish salmon industry is now 100% reliant on imported eggs - both a massive risk in the event of borders closing for disease issues (and also the transfer of ISA from infected countries such as Norway), but also making a complete mockery of the brand 'Scottish Salmon'," stated the [email to Fergus Ewing dated 12 February 2018](#).



Read more via:

[Game Ova for Scottish Salmon - Deadly disease delays egg imports from AquaGen in Norway](#)

[Concerns raised over Scottish salmon roe imports](#)

['Secret' Scottish Salmon - Norwegian-owned Scottish Sea Farms refuse to disclose information for ova imports as it would "cause substantial harm to their commercial interests"](#)

[Government 'failing to protect Scottish salmon'](#)

[Complete Mockery of the Brand 'Scottish Salmon': Norway bans import of Scottish salmon eggs citing disease risks & genetic impacts under the Nature Diversity Act](#)

[Norway keeps ban on import of Scottish roe](#)

"The risks of genetic pollution and import of infectious diseases, pathogens and viruses is simply too great to continue flooding 'Scottish' salmon farms with foreign ova," [concluded Staniford](#) (author of '[Scottish Scamon](#)'). "The public will be horrified to learn that so-called 'Scottish' salmon is actually sourced from genetic material from Norway and Iceland. Look under a Scottish salmon's kilt and you will see a Viking helmet lurking underneath. Avoid Scottish salmon this Easter like the plague!" [4]



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Notes to Editors:

[1] Data [disclosed by the Scottish Government in September 2018](#) detailed imports of over 5 million salmon eggs during 2017 and 2018 (up to July) from AquaGen in Norway to Cooke Aquaculture, The Scottish Salmon Company, Kames Fish Farming, Migdale Smolts and Loch Duart:

Date	Site of destination	Operator	Consignee on certificate (if different from operator)	Species	Stage	Number	Source Country	Source Company
11/01/2017	Kinlochmoidart Hatchery	Sunbeam Aquaculture	The Scottish Salmon Company	Salmon	Ova	785,250	Norway	AquaGen AS
18/01/2017	Mill Burn (Old Mill)	Kintail Hatchery	Migdale Smolts Ltd	Salmon	Ova	2,000,000	Norway	AquaGen AS
01/02/2017	Mingarry Hatchery	Hebridean Smolts Ltd	The Scottish Salmon Company	Salmon	Ova	525,000	Norway	AquaGen AS
09/02/2017	Allt Mor	JS Salmon Ltd	Kames Fish Farming Ltd	Salmon	Ova	350,000	Norway	AquaGen AS
16/02/2017	Duartmore Hatchery	Loch Duart		Salmon	Ova	330,000	Norway	AquaGen AS
16/02/2017	Ardtaraig Hatchery	Cooke Aquaculture (Freshwater) Ltd		Salmon	Ova	400,000	Norway	AquaGen AS
16/02/2017	Kinlochmoidart Hatchery	Sunbeam Aquaculture	The Scottish Salmon Company	Salmon	Ova	562,500	Norway	AquaGen AS
01/03/2017	Geocrab Hatchery	The Scottish Salmon Company		Salmon	Ova	396,000	Norway	AquaGen AS
09/03/2017	Rysa Incubation Unit	Rysa Salmon Farm	Cooke Aquaculture Freshwater Ltd	Salmon	Ova	170,000	Norway	AquaGen AS

However, specific information on imports of 12 million salmon eggs from Scottish Sea Farms was redacted with the [Scottish Government arguing](#) that "disclosure....would, or would be likely to, prejudice substantially the confidentiality of commercial information provided by Scottish Sea Farms and thus cause substantial harm to their commercial interests".

Date	Site of destination	Operator	Consignee on certificate (if different from operator)	Species	Stage	Number	Source Country	Source Company
18/01/2017	Knock Hatchery	Scottish Sea Farms Ltd		Salmon	Ova	1,500,000	REDACTED	REDACTED
09/02/2017	Couldoran Incubation Unit	Scottish Sea Farms Ltd		Salmon	Ova	1,500,000	REDACTED	REDACTED
09/02/2017	REDACTED	REDACTED	Scottish Sea Farms Ltd	Salmon	Ova	400,000	REDACTED	REDACTED
23/02/2017	REDACTED	REDACTED	Scottish Sea Farms Ltd	Salmon	Ova	2,200,000	REDACTED	REDACTED
07/11/2017	Couldoran Incubation Unit	Scottish Sea Farms Ltd		Salmon	Ova	745,000	REDACTED	REDACTED
30/11/2017	REDACTED	REDACTED	Scottish Sea Farms Ltd	Salmon	Ova	400,000	REDACTED	REDACTED
08/12/2017	REDACTED	REDACTED	Scottish Sea Farms Ltd	Salmon	Ova	300,000	REDACTED	REDACTED
18/01/2018	Knock	Scottish Sea Farms Ltd		Salmon	Ova	1,550,000	REDACTED	REDACTED
07/02/2018	REDACTED	REDACTED	Scottish Sea Farms Ltd	Salmon	Ova	1,500,000	REDACTED	REDACTED
15/02/2018	Couldoran Incubation Unit	Scottish Sea Farms Ltd		Salmon	Ova	1,600,000	REDACTED	REDACTED
01/03/2018	REDACTED	REDACTED	Scottish Sea Farms Ltd	Salmon	Ova	800,000	REDACTED	REDACTED

Data [disclosed by the Scottish Government in November 2018](#) detailed imports of over 22 million salmon eggs from AquaGen in 2016 but redacted information solely for over 5 million salmon eggs imported by Scottish Sea Farms:

Date	Site of destination	Operator	Consignee on certificate (if different from operator)	Species	Stage	Number	Source Country	Source Company
04/02/2016	Knock Hatchery	Scottish Sea Farms Ltd		Salmon	Ova	1,100,000	<REDACTED>	<REDACTED>
10/02/2016	Couldoran Incubation Unit	Scottish Sea Farms Ltd		Salmon	Ova	150,000	<REDACTED>	<REDACTED>
18/02/2016	<REDACTED>	<REDACTED>	Scottish Sea Farms Ltd	Salmon	Ova	2,100,000	<REDACTED>	<REDACTED>
03/03/2016	<REDACTED>	<REDACTED>	Scottish Sea Farms Ltd	Salmon	Ova	144,000	<REDACTED>	<REDACTED>
17/11/2016	Couldoran Incubation Unit	Scottish Sea Farms Ltd		Salmon	Ova	1,000,000	Norway	<REDACTED>
08/12/2016	<REDACTED>	<REDACTED>	Scottish Sea Farms Ltd	Salmon	Ova	988,000	<REDACTED>	<REDACTED>
14/01/2016	Mill Burn	Kintail Hatchery	Marine Harvest (Scotland)	Salmon	Ova	2,000,000	Norway	Aquagen AS
05/01/2016	Quoys Hatchery	Cooke Aquaculture Scotland Ltd		Salmon	Ova	550,000	Norway	Aquagen AS
20/01/2016	Howietoun Hatchery	Howietoun Fishery	The Scottish Salmon Company	Salmon	Ova	400,000	Norway	Aquagen AS
20/01/2016	Barvas Hatchery	The Scottish Salmon Company		Salmon	Ova	1,908,540	Norway	Aquagen AS
10/02/2016	Ardtaraig Hatchery	Cooke Aquaculture (Freshwater) Ltd		Salmon	Ova	400,000	Norway	Aquagen AS
24/02/2016	Geocrab Hatchery	The Scottish Salmon Company		Salmon	Ova	461,160	Norway	Aquagen AS
24/02/2016	Mingarry Hatchery	Hebridean Smolts Ltd	The Scottish Salmon Company	Salmon	Ova	564,375	Norway	Aquagen AS
24/02/2016	Allt Mor Hatchery	JS Salmon Ltd	Kames Fish Farming Ltd	Salmon	Ova	500,000	Norway	Aquagen AS
02/03/2016	Kinlochmoidart Hatchery	Sunbeam Aquaculture	The Scottish Salmon Company	Salmon	Ova	575,000	Norway	Aquagen AS
02/03/2016	Amhuinnsuidhe Hatchery	The Scottish Salmon Company		Salmon	Ova	275,000	Norway	Aquagen AS
02/06/2016	Quoys Hatchery	Cooke Aquaculture Scotland Ltd		Salmon	Ova	70,000	Norway	Aquagen AS
17/03/2016	Furnace (FW)	Cooke Aquaculture (Freshwater) Ltd		Salmon	Ova	650,000	Norway	Aquagen AS
02/06/2016	Lochailort Recirculation Unit	Marine Harvest (Scotland)		Salmon	Ova	1,333,333	Norway	Aquagen AS
02/06/2016	Lochailort Recirculation Unit	Marine Harvest (Scotland)		Salmon	Ova	1,333,333	Norway	Aquagen AS
02/06/2016	Lochailort Recirculation Unit	Marine Harvest (Scotland)		Salmon	Ova	1,333,333	Norway	Aquagen AS
23/08/2016	Girlsta Hatchery	Grieg Seafood Shetland Ltd (Hatchery)		Salmon	Ova	1,500,000	Norway	Aquagen AS
09/11/2016	Kinlochmoidart Hatchery	Sunbeam Aquaculture	The Scottish Salmon Company	Salmon	Ova	562,500	Norway	Aquagen AS
09/11/2016	Allt Mor Hatchery	JS Salmon Ltd	Kames Fish Farming Ltd	Salmon	Ova	350,000	Norway	Aquagen AS
15/11/2016	Furnace (FW)	Cooke Aquaculture (Freshwater) Ltd		Salmon	Ova	800,000	Norway	Aquagen AS
15/11/2016	Cairndow Hatchery	Lakeland (Cairndow) Ltd		Salmon	Ova	1,800,000	Norway	Aquagen AS
22/11/2016	Girlsta Hatchery	Grieg Seafood Shetland Ltd (Hatchery)		Salmon	Ova	1,500,000	Norway	Aquagen AS
22/11/2016	Quoys Hatchery	Cooke Aquaculture Scotland Ltd		Salmon	Ova	400,000	Norway	Aquagen AS
06/12/2016	Mingarry Hatchery	Hebridean Smolts Ltd	The Scottish Salmon Company	Salmon	Ova	918,750	Norway	Aquagen AS
06/12/2016	Kinlochmoidart Hatchery	Sunbeam Aquaculture	The Scottish Salmon Company	Salmon	Ova	628,500	Norway	Aquagen AS
06/12/2016	Barvas Hatchery	The Scottish Salmon Company		Salmon	Ova	735,000	Norway	Aquagen AS
15/12/2016	Ardtaraig Hatchery	Cooke Aquaculture (Freshwater) Ltd		Salmon	Ova	350,000	Norway	Aquagen AS
21/12/2016	Allt Mor Hatchery	JS Salmon Ltd	Kames Fish Farming Ltd	Salmon	Ova	325,000	Norway	Aquagen AS
21/12/2016	Quoys Hatchery	Cooke Aquaculture Scotland Ltd		Salmon	Ova	400,000	Norway	Aquagen AS

According to [data disclosed via FOI by the Scottish Government](#) in September 2018, Scottish salmon farmers imported at least 16.5 million salmon eggs from Stofnfiskur in Iceland between January 2017 and July 2018 (information relating to Scottish Sea Farms was redacted leading to an appeal to the Scottish Information Commissioner in March 2019).

Date	Site of destination	Operator	Consignee on certificate (if different from operator)	Species	Stage	Number	Source Country	Source Company
11/01/2017	Tullich Hatchery	The Scottish Salmon Company		Salmon	Ova	1,176,000	Iceland	Stofnfiskur
15/02/2017	Geocrab Hatchery	The Scottish Salmon Company		Salmon	Ova	876,000	Iceland	Stofnfiskur
23/02/2017	Geocrab Hatchery	The Scottish Salmon Company		Salmon	Ova	55,000	Iceland	Stofnfiskur
04/04/2017	Furnace Hatchery	Cooke Aquaculture (Freshwater) Ltd		Salmon	Ova	1,000,000	Iceland	Stofnfiskur
23/08/2017	Inst of Medical Sciences	University of Aberdeen		Salmon	Ova	3,000	Iceland	Stofnfiskur
04/10/2017	Girlsta Hatchery	Grieg Seafood Shetland Ltd (Hatchery)		Salmon	Ova	1,500,000	Iceland	Stofnfiskur
08/11/2017	Cairndow Hatchery	Lakeland (Cairndow) Ltd	Cooke Aquaculture Freshwater Ltd	Salmon	Ova	2,500,000	Iceland	Stofnfiskur
09/11/2017	Tullich Hatchery	The Scottish Salmon Company		Salmon	Ova	2,714,250	Iceland	Stofnfiskur
22/11/2017	Kinlochmoidart Hatchery	The Scottish Salmon Company		Salmon	Ova	1,522,500	Iceland	Stofnfiskur
15/11/2017	Barvas Hatchery	The Scottish Salmon Company		Salmon	Ova	172,000	Iceland	Stofnfiskur
15/11/2017	Mingarry Hatchery	Hebridean Smolts Ltd	The Scottish Salmon Company	Salmon	Ova	918,750	Iceland	Stofnfiskur
01/02/2018	Tullich Hatchery	The Scottish Salmon Company		Salmon	Ova	1,360,000	Iceland	Stofnfiskur
01/03/2018	Kinlochmoidart Hatchery	The Scottish Salmon Company		Salmon	Ova	615,000	Iceland	Stofnfiskur
01/03/2018	Ormsary Hatchery	Landcatch Natural Selection Ltd	The Scottish Salmon Company	Salmon	Ova	575,000	Iceland	Stofnfiskur
12/04/2018	The Roslin Institute	the Roslin Institute		Salmon	Ova	3,200	Iceland	Stofnfiskur
08/06/2018	Girlsta Hatchery	Grieg Seafood Shetland Ltd (Hatchery)		Salmon	Ova	1,500,000	Iceland	Stofnfiskur

Between January 2017 and March 2018, The Scottish Salmon Company imported 10.3 million ova from Iceland and Norway (including [ISA-infected AquaGen](#) and [PRV-infected Stofnfiskur](#)):

Date	Site of destination	Operator	Consignee on certificate (if different from operator)	Number	Source Country	Source Company
01/03/2017	Geocrab Hatchery	The Scottish Salmon Company		396,000	Norway	AquaGen AS
23/02/2017	Geocrab Hatchery	The Scottish Salmon Company		55,000	Iceland	Stofnfiskur
09/11/2017	Tulich Hatchery	The Scottish Salmon Company		2,714,250	Iceland	Stofnfiskur
22/11/2017	Kinlochmoidart Hatchery	The Scottish Salmon Company		1,522,500	Iceland	Stofnfiskur
15/11/2017	Barvas Hatchery	The Scottish Salmon Company		172,000	Iceland	Stofnfiskur
15/11/2017	Mingarry Hatchery	Hebridean Smolts Ltd	The Scottish Salmon Company	918,750	Iceland	Stofnfiskur
01/02/2018	Tulich Hatchery	The Scottish Salmon Company		1,360,000	Iceland	Stofnfiskur
30/01/2018	Barvas Hatchery	The Scottish Salmon Company		1,047,500	Norway	Salmobreed
30/01/2018	Amhuinnsuidhe Hatchery	The Scottish Salmon Company		400,000	Norway	Salmobreed
01/03/2018	Kinlochmoidart Hatchery	The Scottish Salmon Company		615,000	Iceland	Stofnfiskur
01/03/2018	Ormsary Hatchery	Landcatch Natural Selection Ltd	The Scottish Salmon Company	575,000	Iceland	Stofnfiskur
27/02/2018	Geocrab Hatchery	The Scottish Salmon Company		508,000	Norway	Salmobreed

Between January 2017 and February 2018, Cooke Aquaculture imported 7.6 million ova from Iceland, Ireland and Norway (including [ISA-infected AquaGen](#) and [PRV-infected Stofnfiskur](#)):

Date	Site of destination	Operator	Consignee on certificate (if different from operator)	Number	Source Country	Source Company
16/02/2017	Ardtaraig Hatchery	Cooke Aquaculture (Freshwater) Ltd		400,000	Norway	AquaGen AS
16/02/2017	Cairndow Hatchery	Lakeland (Cairndow) Ltd	Cooke Aquaculture Freshwater	1,400,000	Rep of Ireland	Marine Harvest Ireland
09/03/2017	Rysa Incubation Unit	Rysa Salmon Farm	Cooke Aquaculture Freshwater	170,000	Norway	AquaGen AS
04/04/2017	Furnace Hatchery	Cooke Aquaculture (Freshwater) Ltd		1,000,000	Iceland	Stofnfiskur
08/11/2017	Cairndow Hatchery	Lakeland (Cairndow) Ltd	Cooke Aquaculture Freshwater	2,500,000	Iceland	Stofnfiskur
14/02/2018	Wester Fearn	Highland Salmon Company Ltd	Cooke Aquaculture Freshwater	700,000	Rep of Ireland	Marine Harvest Ireland
21/02/2018	Cairndow Hatchery	Lakeland (Cairndow) Ltd	Cooke Aquaculture Freshwater	1,100,000	Rep of Ireland	Marine Harvest Ireland
27/02/2018	Ardtaraig Hatchery	Cooke Aquaculture (Freshwater) Ltd		350,000	Norway	Marine Harvest Norway

According to [data disclosed via FOI by the Scottish Government](#) in November 2018, Scottish salmon farmers imported at least 5.3 million salmon eggs from Stofnfiskur in Iceland during 2016 as well as millions of salmon ova from AquaGen, Salmobreed and Marine Harvest in Norway (information relating to Scottish Sea Farms was redacted).

Date	Site of destination	Operator	Consignee on certificate (if different from operator)	Species	Stage	Number	Source Country	Source Company
04/02/2016	Knock Hatchery	Scottish Sea Farms Ltd		Salmon	Ova	1,100,000	<REDACTED>	<REDACTED>
10/02/2016	Couldoran Incubation Unit	Scottish Sea Farms Ltd		Salmon	Ova	150,000	<REDACTED>	<REDACTED>
18/02/2016	<REDACTED>	<REDACTED>	Scottish Sea Farms Ltd	Salmon	Ova	2,100,000	<REDACTED>	<REDACTED>
03/03/2016	<REDACTED>	<REDACTED>	Scottish Sea Farms Ltd	Salmon	Ova	144,000	<REDACTED>	<REDACTED>
08/12/2016	<REDACTED>	<REDACTED>	Scottish Sea Farms Ltd	Salmon	Ova	988,000	<REDACTED>	<REDACTED>
14/01/2016	Tullich Hatchery	The Scottish Salmon Company		Salmon	Ova	1,200,000	Iceland	Stofniskur
09/11/2016	Tullich Hatchery	The Scottish Salmon Company		Salmon	Ova	2,640,000	Iceland	Stofniskur
23/11/2016	Geocrab Hatchery	The Scottish Salmon Company		Salmon	Ova	1,008,000	Iceland	Stofniskur
23/11/2016	Barvas Hatchery	The Scottish Salmon Company		Salmon	Ova	441,000	Iceland	Stofniskur
01/12/2016	Geocrab Hatchery	The Scottish Salmon Company		Salmon	Ova	35,000	Iceland	Stofniskur
14/01/2016	Mill Burn	Kintail Hatchery	Marine Harvest (Scotland)	Salmon	Ova	2,000,000	Norway	Aquagen AS
05/01/2016	Quoys Hatchery	Cooke Aquaculture Scotland Ltd		Salmon	Ova	550,000	Norway	Aquagen AS
20/01/2016	Howietoun Hatchery	Howietoun Fishery	The Scottish Salmon Company	Salmon	Ova	400,000	Norway	Aquagen AS
20/01/2016	Barvas Hatchery	The Scottish Salmon Company		Salmon	Ova	1,908,540	Norway	Aquagen AS
21/01/2016	Lochailort Recirculation Unit	Marine Harvest (Scotland)		Salmon	Ova	3,000,000	Norway	Marine Harvest (Norway)
10/02/2016	Lochailort Recirculation Unit	Marine Harvest (Scotland)		Salmon	Ova	200,000	Norway	Marine Harvest (Norway)
10/02/2016	Ardtarraig Hatchery	Cooke Aquaculture (Freshwater) Ltd		Salmon	Ova	400,000	Norway	Aquagen AS
17/02/2016	Girlsta Hatchery	Grieg Seafood Shetland Ltd (Hatchery)		Salmon	Ova	1,545,000	Norway	Salmobreed
24/02/2016	Geocrab Hatchery	The Scottish Salmon Company		Salmon	Ova	461,160	Norway	Aquagen AS
24/02/2016	Mingarry Hatchery	Hebridean Smolts Ltd	The Scottish Salmon Company	Salmon	Ova	564,375	Norway	Aquagen AS
24/02/2016	Allt Mor Hatchery	JS Salmon Ltd	Kames Fish Farming Ltd	Salmon	Ova	500,000	Norway	Aquagen AS
02/03/2016	Kinlochmoidart Hatchery	Sunbeam Aquaculture	The Scottish Salmon Company	Salmon	Ova	575,000	Norway	Aquagen AS
02/03/2016	Amhuinnsuidhe Hatchery	The Scottish Salmon Company		Salmon	Ova	275,000	Norway	Aquagen AS
02/03/2016	Quoys Hatchery	Cooke Aquaculture Scotland Ltd		Salmon	Ova	70,000	Norway	Aquagen AS

Marine Harvest imported 12.5 million salmon eggs from Norway in 2016 (including 4 million from AquaGen - [a company it used to own](#)) to their [fungus-ridden Lochailort Hatchery](#):

Date	Site of destination	Operator	Stage	Number	Source Country	Source Company
21/01/2016	Lochailort Recirculation Unit	Marine Harvest (Scotland)	Ova	3,000,000	Norway	Marine Harvest (Norway)
10/02/2016	Lochailort Recirculation Unit	Marine Harvest (Scotland)	Ova	200,000	Norway	Marine Harvest (Norway)
10/03/2016	Lochailort Recirculation Unit	Marine Harvest (Scotland)	Ova	1,300,000	Norway	Marine Harvest (Norway)
02/06/2016	Lochailort Recirculation Unit	Marine Harvest (Scotland)	Ova	1,333,333	Norway	Aquagen AS
02/06/2016	Lochailort Recirculation Unit	Marine Harvest (Scotland)	Ova	1,333,333	Norway	Aquagen AS
02/06/2016	Lochailort Recirculation Unit	Marine Harvest (Scotland)	Ova	1,333,333	Norway	Aquagen AS
01/12/2016	Lochailort Recirculation Unit	Marine Harvest (Scotland)	Ova	4,000,000	Norway	Marine Harvest (Norway)

In 2017 and up to July 2018, Marine Harvest imported a further 25 million salmon eggs from Marine Harvest in Norway ([a company infected with ISA in December 2017](#) and [in July 2018](#)) to their [Lochailort Hatchery](#).

Date	Site of destination	Operator	Stage	Number	Source Country	Source Company
25/01/2017	Lochailort Recirculation Hatchery	Marine Harvest (Scotland) Ltd	Ova	156,000	Norway	Marine Harvest Norway
16/02/2017	Lochailort Recirculation Hatchery	Marine Harvest (Scotland) Ltd	Ova	4,000,000	Norway	Marine Harvest Norway
29/03/2017	Lochailort Recirculation Hatchery	Marine Harvest (Scotland) Ltd	Ova	2,664,900	Norway	Marine Harvest Norway
29/03/2017	Lochailort Recirculation Hatchery	Marine Harvest (Scotland) Ltd	Ova	1,285,100	Norway	Marine Harvest Norway
13/06/2017	Lochailort Recirculation Hatchery	Marine Harvest (Scotland) Ltd	Ova	1,506,000	Norway	Marine Harvest Norway
13/06/2017	Lochailort Recirculation Hatchery	Marine Harvest (Scotland) Ltd	Ova	2,494,000	Norway	Marine Harvest Norway
16/11/2017	Lochailort Recirculation Hatchery	Marine Harvest (Scotland) Ltd	Ova	3,600,000	Norway	Marine Harvest Norway
31/01/2018	Lochailort Recirculation Hatchery	Marine Harvest (Scotland) Ltd	Ova	216,592	Norway	Marine Harvest Norway
07/02/2018	Lochailort Recirculation Hatchery	Marine Harvest (Scotland) Ltd	Ova	1,884,000	Norway	Marine Harvest Norway
18/04/2018	Lochailort Recirculation Hatchery	Marine Harvest (Scotland) Ltd	Ova	3,500,000	Norway	Marine Harvest Norway
16/05/2018	Lochailort Recirculation Hatchery	Marine Harvest (Scotland) Ltd	Ova	3,800,000	Norway	Marine Harvest Norway

Download Excel spreadsheets online via [FOI Salmon ova imports 2017 2018 data for release 19 Sep 2018](#) and [Scottish Sea Farms: imports of ova in 2016: EIR release 2 November 2018](#)

Read more via "[Secret 'Scottish' Salmon: Norwegian-owned Scottish Sea Farms refuse to disclose information for ova imports as it would 'cause substantial harm to their commercial interests'](#)"

59.2 million out of 65.7 million (90%) of the ova laid down to hatch in 2017 were foreign ova.

Table 18: Source, number (000s) and previous year's estimate of ova laid down to hatch during 2006-2018

Year	In-house broodstock	Out-sourced GB broodstock	GB wild broodstock	Foreign ova	Total	Previous year's estimate
2006	19,063	17,768	63	27,157	64,051	58,385
2007	18,837	14,366	78	42,022	75,303	68,032
2008	19,831	14,261	171	26,409	60,672	75,302
2009	17,148	20,158	65	30,200	67,571	64,693
2010	13,744	26,220	0	29,657	69,621	61,011
2011	15,664	14,630	0	34,322	64,616	54,526
2012	18,556	9,981	0	34,700	63,237	55,723
2013	16,996	8,263	0	41,315	66,573	49,249
2014	14,418	2,725	10	53,684	70,837	48,149
2015	6,479	223	10	61,463	68,175	65,284
2016	5,884	4	0	58,458	64,346	59,604
2017	6,228	360	0	59,158	65,746	60,673
2018						67,374

p16 of the Scottish Government's [2017 Scottish Fish Farm Production Survey](#) (October 2018)

Data [disclosed by the Scottish Government via FOI in November 2018](#) detailed a staggering 342 million ova imported from Norway between 2003 and 2015 (out of 462 million ova imported - i.e. Norway represented 74% of ova imports):

Country of origin	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Australia	550,000	1,860,000	0	2,400,000	0	0	0	0	0	0	0	0	0
Iceland	9,518,000	3,475,000	570,000	300,000	0	0	0	0	0	0	2,719,000	4,346,000	8,978,000
Norway	2,900,000	6,750,000	13,210,000	15,940,000	33,555,000	22,703,000	29,938,000	26,533,000	35,851,000	23,848,000	35,044,000	49,831,000	45,926,000
Rep of Ireland	7,820,000	4,450,000	2,610,000	11,575,000	10,511,000	5,600,000	5,460,000	2,150,000	3,400,000	10,134,000	10,700,000	5,218,000	4,815,000
USA	400,000	450,000	450,000	0	0	0	0	0	0	0	0	0	0

Numbers of salmon ova collated from health certificates

A [paper published in the journal Aquaculture in 2016](#) revealed how Scottish salmon farming has been flooded by imports of foreign ova since the early 2000s:

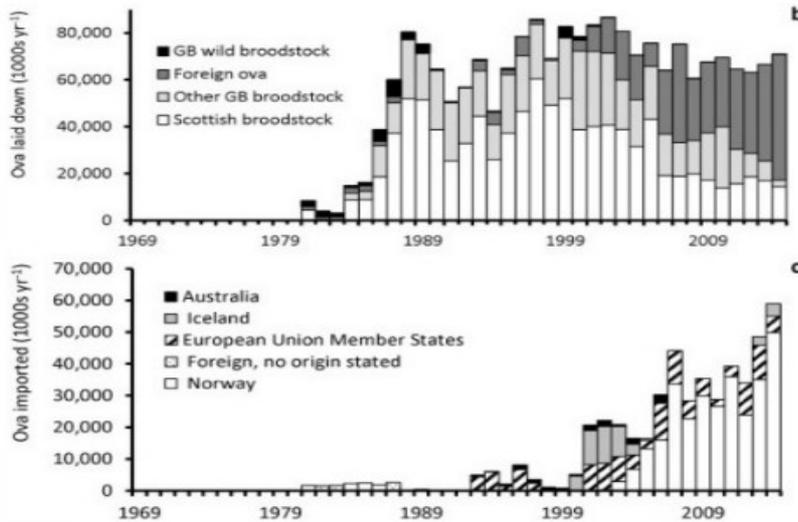


Fig. 2. Data on salmon ova in Scotland. a: Numbers of ova produced in Scotland, subdivided into laid down in Scotland, exported and not laid or exported. Data available 1984/1994/1995–2014. b: Origins of ova laid down to hatch within Scottish salmon industry. Data available 1981–2014. c: Origins of foreign (imported) ova. Data available 1981–2014.

Last month (13 March), Scottish Salmon Watch filed appeals with the Scottish Information Commissioner against the [Scottish Government's refusals to disclose information on imports of salmon eggs by Scottish Sea Farms](#).

In another FOI reply issued last month (13 March), the Scottish Government refused to disclose further information arguing that "disclosure of this particular information would, or would be likely to, prejudice substantially the confidentiality of commercial information provided by Scottish Sea Farms Ltd and thus cause substantial harm to their commercial interest". "Disclosing this information would be likely to give competitors an advantage by revealing company or industrial commercial strategy for production of salmon in freshwater, thereby substantially prejudicing future production strategies," continued the Scottish Government.

[2] FOI reply by [Mattilsynet](#) (Norwegian Food Safety Authority) dated 12 March 2019:

From: Innsynshenvendelser Sør Vest [mailto:innsynshenvendelser.sorvest@mattilsynet.no]
Sent: 12 March 2019 09:49
To: 'Scottish Salmon Watch'
Subject: Response to inquiry

Attached: [2017-27155-001 redacted version.pdf \(607 KB\)](#); [2017-31661-001 redacted version.pdf \(622 KB\)](#); [2017-31667-001 redacted version.pdf \(622 KB\)](#); [2017-31671-001 redacted version.pdf \(609 KB\)](#); [2017-43537-001 redacted version.pdf \(630 KB\)](#); [2017-48873-001 redacted version.pdf \(3 MB\)](#); [2017-54789-001 redacted version.pdf \(642 KB\)](#); [2017-56595-001 redacted version.pdf \(642 KB\)](#); [2017-64241 redacted version.pdf \(624 KB\)](#); [2017-101748-001 redacted version.pdf \(628 KB\)](#); [2017-114866-001 redacted version.pdf \(591 KB\)](#); [2018-267500-001 redacted version.pdf \(3 MB\)](#); [2018-267509-001 redacted version.pdf \(3 MB\)](#); [2018-269992-001 redacted version.pdf \(972 KB\)](#); [2019-11591-001 redacted version.pdf \(966 KB\)](#)

Response to inquiry

Dear Don.

We refer to your request for access of 19 export certificates from the company AquaGen.

According to the Freedom of Information Act (Offentleglova) article 3, there is a right to acquaint oneself with certain public and private documents. Any person or organisation may apply to an administrative agency, in this case the food safety authority, for access to case documents, journals and similar registers of that administrative agency. Case documents, journals and similar registers of an administrative agency are public except as otherwise provided by statute or by regulations pursuant thereto.

After a request for access there will be determined if the information is subject to a duty of confidentiality by or pursuant to law and therefore exempted from access. According to the law of administration article 13 section 3 and section 13 1 (2) we cannot give information about technical facilities, methods and business that will be of competitive importance to be kept secret to whom it may concern. Based on this we will give you partial access and send you a redacted version of the documents.

Kind regards

Kristin Lervåg
Adviser
The Norwegian Food Safety Authority

Documents included:

EUROPEAN UNION				Intra trade certificate				
Part I : Details of dispatched consignment	I.1. Consignor		I.2. Certificate reference number		I.2.a. Local reference number:			
	Name Aqua Gen AS		INTRA.NO.2019.0000131 - VI		NO-0028399			
	Address Industriveien 13		I.3. Central Competent Authority					
	7200 Kyrksæterøra		NO00000 Statens tilsyn for planter, fisk, dyr og næringsmidler					
	Country Norway (NO)		I.4. Local Competent Authority					
			NO24120 Avdeling Nordmøre og Romsdal					
	I.5. Consignee		I.6. No.(s) of related original certificates		No.(s) of accompanying documents			
	Name AquaGen Scotland Ltd							
	Address BETA Centre Unit 16A, Stirling University Innovation Park		I.7. Dealer					
	FK9 Stirling		Name		Approval number			
Country United Kingdom (GB)								
I.8. Country of origin		I.8. ISO code	I.9. Region of origin		Code			
Norway		NO			United Kingdom		GB	
I.12. Place of origin/Place of harvest				I.13. Place of destination				
Holding <input type="checkbox"/>		Assembly centre <input type="checkbox"/>		Dealer's premise <input type="checkbox"/>				
Approved body <input type="checkbox"/>		Semen centre <input type="checkbox"/>		Approved aquaculture holding <input checked="" type="checkbox"/>				
Embryo team <input type="checkbox"/>		Establishment <input type="checkbox"/>		Other <input type="checkbox"/>				
Name Aqua Gen AS, Avd. Tingvoll		Name Hollywood Salmon Farm						
Approval number M/TV0009		Approval number FS0614						
Address Rimstadvegen 12		Address Hollywood						
Postal code / Region 6630 Tingvoll		Postal code / Region DG2 Dumfries						
I.14. Place of loading		I.15. Date and time of departure						
Postal code / Region 7200 Kyrksæterøra		16/01/2019 11:00 (UTC +0100)						
I.16. Means of transport				I.17. Transporter				
Aeroplane <input checked="" type="checkbox"/>		Ship <input type="checkbox"/>		Railway wagon <input type="checkbox"/>				
Road vehicle <input type="checkbox"/>		Other <input type="checkbox"/>		Name Sas Cargo				
Identification: WF571/16		Approval number 983 214 487		Address Fridtjof Nansens vei				
Number(s): 117-68434925		Postal code / Region 2060 Gardermoen		Member state NO				
I.21. Temperature of products				I.20. Number/Quantity		I.22. Number of packages		
Ambient <input type="checkbox"/>		Chilled <input type="checkbox"/>		Frozen <input type="checkbox"/>				

EUROPEAN UNION

Intra trade certificate

Part I : Details of dispatched consignment	1.1. Consignor		1.2. Certificate reference number		1.2.a. Local reference number:		
	Name Aqua Gen AS		INTRA.NO.2018.0003599 - V2		NO-0027746		
	Address Industriveien 13		1.3. Central Competent Authority				
	7200 Kyrksæterøra		NO00000 Statens tilsyn for planter, fisk, dyr og næringsmidler				
	Country Norway (NO)		1.4. Local Competent Authority				
			NO24120 Avdeling Nordmøre og Romsdal				
	1.5. Consignee		1.6. No.(s) of related original certificates		No.(s) of accompanying documents		
	Name Scottish Sea Farms Ltd						
	Address Laurel House, Laurelhill business park, Polmaise Road						
	Country United Kingdom (GB)		1.7. Dealer				
		Name		Approval number			
1.8. Country of origin		ISO code		1.9. Region of origin		Code	
Norway		NO		United Kingdom		GB	
1.10. Country of destination		ISO code		1.11. Region of destination		Code	
1.12. Place of origin/Place of harvest				1.13. Place of destination			
Holding <input type="checkbox"/> Assembly centre <input type="checkbox"/> Dealer's premise <input type="checkbox"/> Approved body <input type="checkbox"/> Semen centre <input type="checkbox"/> Approved aquaculture holding <input checked="" type="checkbox"/> Embryo team <input type="checkbox"/> Establishment <input type="checkbox"/> Other <input type="checkbox"/>				Holding <input type="checkbox"/> Assembly centre <input type="checkbox"/> Dealer's premise <input type="checkbox"/> Approved body <input type="checkbox"/> Semen centre <input type="checkbox"/> Approved aquaculture holding <input checked="" type="checkbox"/> Embryo team <input type="checkbox"/> Establishment <input type="checkbox"/> Other <input type="checkbox"/>			
Name Aqua Gen AS, Avd. Tingvoll				Name Barcaldine Hatchery Incubation 1			
Approval number M/TV0009				Approval number FS1321			
Address Rimstadvegen 12				Address Barcaldine, Oban			
Postal code / Region 6630 Tingvoll				Postal code / Region PA37 Oban			
1.14. Place of loading				1.15. Date and time of departure			
Postal code / Region 6630 Tingvoll				26/11/2018 12:00 (UTC +0100)			
1.16. Means of transport				1.17. Transporter			
Aeroplane <input checked="" type="checkbox"/> Ship <input type="checkbox"/> Railway wagon <input type="checkbox"/> Road vehicle <input type="checkbox"/> Other <input type="checkbox"/>				Name Sas Cargo			
Identification: SK 4187				Approval number 983 214 487			
Number(s): 117-68434446				Address Fridtjof Nansens vei			
				Postal code / Region 2060 Gardermoen Member state NO			
1.21. Temperature of products				1.20. Number/Quantity		1.22. Number of packages	
Ambient <input type="checkbox"/> Chilled <input type="checkbox"/> Frozen <input type="checkbox"/>							
1.23. Identification of consignor/consignee							

EUROPEAN UNION

Intra trade certificate

Part I : Details of dispatched consignment	1.1. Consignor		1.2. Certificate reference number		1.2.a. Local reference number:		
	Name Aqua Gen AS		INTRA.NO.2018.0003601 - V2		NO-0027750		
	Address Industriveien 13		1.3. Central Competent Authority				
	7200 Kyrksæterøra		NO00000 Statens tilsyn for planter, fisk, dyr og næringsmidler				
	Country Norway (NO)		1.4. Local Competent Authority				
			NO24120 Avdeling Nordmøre og Romsdal				
	1.5. Consignee		1.6. No.(s) of related original certificates		No.(s) of accompanying documents		
	Name Scottish Sea Farms Ltd						
	Address Laurel House, Laurelhill business park, Polmaise Road						
	Country United Kingdom (GB)		1.7. Dealer				
		Name		Approval number			
1.8. Country of origin		ISO code		1.9. Region of origin		Code	
Norway		NO		United Kingdom		GB	
1.10. Country of destination		ISO code		1.11. Region of destination		Code	
1.12. Place of origin/Place of harvest				1.13. Place of destination			
Holding <input type="checkbox"/> Assembly centre <input type="checkbox"/> Dealer's premise <input type="checkbox"/> Approved body <input type="checkbox"/> Semen centre <input type="checkbox"/> Approved aquaculture holding <input checked="" type="checkbox"/> Embryo team <input type="checkbox"/> Establishment <input type="checkbox"/> Other <input type="checkbox"/>				Holding <input type="checkbox"/> Assembly centre <input type="checkbox"/> Dealer's premise <input type="checkbox"/> Approved body <input type="checkbox"/> Semen centre <input type="checkbox"/> Approved aquaculture holding <input checked="" type="checkbox"/> Embryo team <input type="checkbox"/> Establishment <input type="checkbox"/> Other <input type="checkbox"/>			
Name Aqua Gen AS, Avd. Tingvoll				Name Barcaldine Hatchery Incubation 3			
Approval number M/TV0009				Approval number FS1323			
Address Rimstadvegen 12				Address Barcaldine, Oban			
Postal code / Region 6630 Tingvoll				Postal code / Region PA37 Oban			
1.14. Place of loading				1.15. Date and time of departure			
Postal code / Region 6630 Tingvoll				26/11/2018 12:00 (UTC +0100)			
1.16. Means of transport				1.17. Transporter			
Aeroplane <input checked="" type="checkbox"/> Ship <input type="checkbox"/> Railway wagon <input type="checkbox"/> Road vehicle <input type="checkbox"/> Other <input type="checkbox"/>				Name Sas Cargo			
Identification: SK 4187				Approval number 983 214 487			
Number(s): 117-68434446				Address Fridtjof Nansens vei			
				Postal code / Region 2060 Gardermoen Member state NO			
1.21. Temperature of products				1.20. Number/Quantity		1.22. Number of packages	
Ambient <input type="checkbox"/> Chilled <input type="checkbox"/> Frozen <input type="checkbox"/>							
1.23. Identification of consignor/consignee							

EUROPEAN UNION

Intra trade certificate

Part I : Details of dispatched consignment	1.1. Consignor		1.2. Certificate reference number		1.2.a. Local reference number:			
	Name Aqua Gen AS		INTRA.NO.2017.0000392 - V1		NO-0018729			
	Address Industriveien 13		1.3. Central Competent Authority NO00000 Statens tilsyn for planter, fisk, dyr og næringsmidler					
	Country 7200 Kyrksæterøra		1.4. Local Competent Authority NO24140 Avdeling Trondheim og omland					
	Country Norway (NO)		1.5. Consignee		1.6. No.(s) of related original certificates		No.(s) of accompanying documents	
	Name The Scottish Salmon Company		Address 8 Melville Crescent		1.7. Dealer		Approval number	
	Country EH3 Edinburgh		Country United Kingdom (GB)		Name		Approval number	
	Country United Kingdom (GB)		1.8. Country of origin		1.9. Region of origin		Code	
	Name Norway		ISO code NO		1.10. Country of destination		1.11. Region of destination	
	Code NO		1.12. Place of origin/Place of harvest		1.13. Place of destination		Code	
Holding <input type="checkbox"/>		Assembly centre <input type="checkbox"/>		Holding <input type="checkbox"/>		Assembly centre <input type="checkbox"/>		
Approved body <input type="checkbox"/>		Semen centre <input type="checkbox"/>		Approved body <input type="checkbox"/>		Semen centre <input type="checkbox"/>		
Embryo team <input type="checkbox"/>		Establishment <input type="checkbox"/>		Embryo team <input type="checkbox"/>		Establishment <input type="checkbox"/>		
Name Aqua Gen AS		Name Kinlochmoidart Hatchery		Name Kinlochmoidart Hatchery		Name Kinlochmoidart Hatchery		
Approval number ST/He-5		Approval number FS0146		Approval number FS0146		Approval number FS0146		
Address Industriveien 13		Address Sunbeam Aquaculture, Kinlochmoidart, Lochailort,		Address Sunbeam Aquaculture, Kinlochmoidart, Lochailort,		Address Sunbeam Aquaculture, Kinlochmoidart, Lochailort,		
Postal code / Region 7200 Kyrksæterøra		Postal code / Region PH38 Lochailort		Postal code / Region PH38 Lochailort		Postal code / Region PH38 Lochailort		
1.14. Place of loading		1.15. Date and time of departure		1.15. Date and time of departure		1.15. Date and time of departure		
Postal code / Region 7200 Kyrksæterøra		15/02/2017 12:00 (UTC +0100)		15/02/2017 12:00 (UTC +0100)		15/02/2017 12:00 (UTC +0100)		
1.16. Means of transport		1.17. Transporter		1.17. Transporter		1.17. Transporter		
Aeroplane <input checked="" type="checkbox"/>		Ship <input type="checkbox"/>		Name Sas Cargo		Name Sas Cargo		
Road vehicle <input type="checkbox"/>		Railway wagon <input type="checkbox"/>		Approval number 983 214 487		Approval number 983 214 487		
Identification: SK4485-15		Other <input type="checkbox"/>		Address Fridtjof Nansens vei		Address Fridtjof Nansens vei		
Number(s): 117-6660 7424		1.20. Number/Quantity		Postal code / Region 2060 Gardermoen		Member state Norway (NO)		
1.21. Temperature of products		1.22. Number of packages		1.22. Number of packages		1.22. Number of packages		
Ambient <input type="checkbox"/>		Chilled <input type="checkbox"/>		Frozen <input type="checkbox"/>		Frozen <input type="checkbox"/>		

EUROPEAN UNION

Intra trade certificate

Part I : Details of dispatched consignment	1.1. Consignor		1.2. Certificate reference number		1.2.a. Local reference number:			
	Name Aqua Gen AS		INTRA.NO.2017.0000046 - V1		NO-0018300			
	Address Industriveien 13		1.3. Central Competent Authority NO00000 Statens tilsyn for planter, fisk, dyr og næringsmidler					
	Country 7200 Kyrksæterøra		1.4. Local Competent Authority NO24140 Avdeling Trondheim og omland					
	Country Norway (NO)		1.5. Consignee		1.6. No.(s) of related original certificates		No.(s) of accompanying documents	
	Name The Scottish Salmon Company		Address 8 Melville Crescent		1.7. Dealer		Approval number	
	Country EH3 Edinburgh		Country United Kingdom (GB)		Name		Approval number	
	Country United Kingdom (GB)		1.8. Country of origin		1.9. Region of origin		Code	
	Name Norway		ISO code NO		1.10. Country of destination		1.11. Region of destination	
	Code NO		1.12. Place of origin/Place of harvest		1.13. Place of destination		Code	
Holding <input type="checkbox"/>		Assembly centre <input type="checkbox"/>		Holding <input type="checkbox"/>		Assembly centre <input type="checkbox"/>		
Approved body <input type="checkbox"/>		Semen centre <input type="checkbox"/>		Approved body <input type="checkbox"/>		Semen centre <input type="checkbox"/>		
Embryo team <input type="checkbox"/>		Establishment <input type="checkbox"/>		Embryo team <input type="checkbox"/>		Establishment <input type="checkbox"/>		
Name Aqua Gen AS		Name Kinlochmoidart Hatchery		Name Kinlochmoidart Hatchery		Name Kinlochmoidart Hatchery		
Approval number ST/He-5		Approval number FS0146		Approval number FS0146		Approval number FS0146		
Address Industriveien 13		Address Sunbeam Aquaculture, Kinlochmoidart, Lochailort,		Address Sunbeam Aquaculture, Kinlochmoidart, Lochailort,		Address Sunbeam Aquaculture, Kinlochmoidart, Lochailort,		
Postal code / Region 7200 Kyrksæterøra		Postal code / Region PH38 Lochailort		Postal code / Region PH38 Lochailort		Postal code / Region PH38 Lochailort		
1.14. Place of loading		1.15. Date and time of departure		1.15. Date and time of departure		1.15. Date and time of departure		
Postal code / Region 7200 Kyrksæterøra		10/01/2017 12:00 (UTC +0100)		10/01/2017 12:00 (UTC +0100)		10/01/2017 12:00 (UTC +0100)		
1.16. Means of transport		1.17. Transporter		1.17. Transporter		1.17. Transporter		
Aeroplane <input checked="" type="checkbox"/>		Ship <input type="checkbox"/>		Name Sas Cargo		Name Sas Cargo		
Road vehicle <input type="checkbox"/>		Railway wagon <input type="checkbox"/>		Approval number 983 214 487		Approval number 983 214 487		
Identification: SK4485-10		Other <input type="checkbox"/>		Address Fridtjof Nansens vei		Address Fridtjof Nansens vei		
Number(s): 117-6660 7096		1.20. Number/Quantity		Postal code / Region 2060 Gardermoen		Member state Norway (NO)		
1.21. Temperature of products		1.22. Number of packages		1.22. Number of packages		1.22. Number of packages		
Ambient <input type="checkbox"/>		Chilled <input type="checkbox"/>		Frozen <input type="checkbox"/>		Frozen <input type="checkbox"/>		
1.23. Identification of container/Seal number		1.23. Identification of container/Seal number		1.23. Identification of container/Seal number		1.23. Identification of container/Seal number		

EUROPEAN UNION

Intra trade certificate

Part I : Details of dispatched consignment	I.1. Consignor Name: Aqua Gen AS Address: Industriveien 13 Country: Norway (NO)		I.2. Certificate reference number INTRA.NO.2017.0000256 - V1		I.2.a. Local reference number: NO-0018595	
			I.3. Central Competent Authority NO00000 Statens tilsyn for planter, fisk, dyr og næringsmidler			
			I.4. Local Competent Authority NO24140 Avdeling Trondheim og omland			
	I.5. Consignee Name: The Scottish Salmon Company Address: 8 Melville Crescent Country: United Kingdom (GB)		I.6. No.(s) of related original certificates: _____ No.(s) of accompanying documents: _____			
			I.7. Dealer Name: _____ Approval number: _____			
	I.8. Country of origin Norway		ISO code NO		I.9. Region of origin Code: _____	
			I.10. Country of destination United Kingdom		ISO code GB	
			I.11. Region of destination Code: _____			
	I.12. Place of origin/Place of harvest Holding <input type="checkbox"/> Assembly centre <input type="checkbox"/> Dealer's premise <input type="checkbox"/> Approved body <input type="checkbox"/> Semen centre <input type="checkbox"/> Approved aquaculture holding <input checked="" type="checkbox"/> Embryo team <input type="checkbox"/> Establishment <input type="checkbox"/> Other <input type="checkbox"/> Name: Aqua Gen AS Approval number: ST/He-5 Address: Industriveien 13 Postal code / Region: 7200 Kyrksæterøra		I.13. Place of destination Holding <input type="checkbox"/> Assembly centre <input type="checkbox"/> Dealer's premise <input type="checkbox"/> Approved body <input type="checkbox"/> Semen centre <input type="checkbox"/> Approved aquaculture holding <input checked="" type="checkbox"/> Embryo team <input type="checkbox"/> Establishment <input type="checkbox"/> Other <input type="checkbox"/> Name: Mingarry Hatchery Approval number: FS0145 Address: Hebridean Smolts Ltd, Mingarry, Bornish Postal code / Region: HS8 Isle Of South Uist			
	I.14. Place of loading Postal code / Region: 7200 Kyrksæterøra		I.15. Date and time of departure 31/01/2017 12:00 (UTC +0100)			
I.16. Means of transport Aeroplane <input checked="" type="checkbox"/> Ship <input type="checkbox"/> Railway wagon <input type="checkbox"/> Road vehicle <input type="checkbox"/> Other <input type="checkbox"/> Identification: SK4485-31 Number(s): 117-6660 7295		I.17. Transporter Name: Sas Cargo Approval number: 983 214 487 Address: Fridtjof Nansens vei Postal code / Region: 2060 Gardermoen Member state: Norway (NO)				
I.21. Temperature of products Ambient <input type="checkbox"/> Chilled <input type="checkbox"/> Frozen <input type="checkbox"/>		I.20. Number/Quantity		I.22. Number of packages		
I.23. Identification of container/Seal number						

Documents available in full - please email Don Staniford via salmonfarmingkills@gmail.com

[3] FHI Case Information for [October to December 2018 \(Cases 20180564-20180600 - PDF online here p165\)](#) detailed an inspection of AquaGen's Holywood salmon farm in November 2018 noting that "no samples were taken for disease analysis" despite the fact that "the biosecurity measures plan for the site was inspected and found to be inadequately maintained":

Case No:	2018-0584	Date of visit:	14/11/2018
Time spent on site:	2 hours	Main Inspector:	ASM
Site No:	FS0614	Site Name:	Hollywood Salmon Farm
Business No:	FB0572	Business Name:	AquaGen Scotland Ltd

Additional Case Information:

Site rented from Scottish Seafarms, maybe purchase the site in the future
 Not feeding anything on site as the broodstock are only kept on for a short period of time and the ova are moved off the site before they hatch
 "Egg room" to be created to keep broodfish and ova separate. The egg room is under construction at the time of the inspection but is expected to be completed by the end of the week
 No more broodfish will be moved on for this cycle
 Looking to expand the operation in Holywood if the first cycle is successful
 Plans to keep the broodfish on the site for about 6-8 weeks.

Chillers now being plumbed in allowing the staff to control water temperature and therefore the development speed of the ova
 All fish to arrive on site will be treated with formalin. Bufferdine will be used on the ova before they move off site.
 Separate changing area and PPE for egg area and broodstock area.
 Stripping of eggs to be conducted in the broodstock room. The products from stripping will be placed in buckets and transferred to the egg room via a hatch.
 Although a contract has been set up to dispose of fish at Dundas Chemicals no movements of dead fish have yet been made, records will be kept when they are moved.

Mortality Records

1. Mortality records available for inspection?		Y
2. How are mortalities disposed of?	Whole fish - Dundas Chemicals	
If other detail:		
3. Mortality records complete and correctly entered?		Y
4. Recent mortality (last 4 wks):	56 all attributed to transfer mortality (6.4%)	
5. Evidence of recent increased/atypical mortalities?		Y
If yes, facility nos/no mortality per facility/no stock per facility/reason:	Increased mortality due to transfer, all tanks affected. There were delays in getting the fish from the seawater site to Hollywood. These delays meant that lice numbers rose higher than expected and caused some damage to the fish before transport. No lice were observed on the fish at the time of inspection. 6/7 facilities affected, 56 fish dead.	

marinescotland
science



Scottish Government
Riaghaltas na h-Alba
gov.scot

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FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS NO FB0572	DATE OF VISIT 14/11/2018
SITE NO FS0614	SITE NAME Hollywood Salmon Farm
INSPECTOR Andy Mayes	CASE NO 20180584

Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

The above site was inspected, in accordance with the Aquatic Animal Health (Scotland) Regulations 2009, and to meet the requirements of European Community Council Directive 2006/88/EC.

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

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

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

In accordance with regulation 6(2)(b) of the 2009 Regulations, the operator of the APB (aquaculture production business) will follow good bio-security practise at each farm site at which it operates, and must establish, maintain and comply with a bio-security measures plan.

Although a bio-security measures plan was available for inspection, it did not contain the information below:

- **The measures that are in place at the farm site to maintain the physical containment of the aquaculture animals held on the farm site.**

Read more 'Case Information' published by the Fish Health Inspectorate via:

[Press Release: "The Sorry State of Scottish Salmon Farming in 2018"](#)

[New Report - "The State of Scottish Salmon Farming in 2018"](#)

[4] In May 2018, Scottish Salmon Watch [revealed](#) that the Norwegian Government had banned imports of salmon ova from Scotland citing unacceptable disease risks and [wrote to Scottish Ministers calling for ban on imported salmon ova](#).

Scottish Salmon Watch's letter to Roseanna Cunningham ([Cabinet Secretary for Environment, Climate Change and Land Reform](#)) and Fergus Ewing ([Cabinet Secretary for Rural Economy & Connectivity](#)) dated 31 May 2018 concluded:

In conclusion, [the reputation of the 'Scottish Salmon' brand is cracked beyond repair and is an international joke](#). When is the Scottish Government going to start protecting native wild salmon rather than protecting predominantly Norwegian companies importing Norwegian salmon eggs into Scotland to pass off to unsuspecting consumers as 'Scottish' salmon?

Do you still concur with the following statement in July by the Scottish Government?

"In relation to the trade of imported Atlantic ova from Norway, Scottish Government do not consider Atlantic salmon ova of Norwegian origin to be an alien or locally absent species according to the definitions provided in the EU Regulation. We would therefore not consider any reciprocal action in this regard"

'[Scotland's 10 Year Farmed Fish Health Framework](#)' published earlier this month (23 May 2018) cites ova yet fails to tackle the issue of imports from Norway and Iceland (where infectious diseases carry, to steal the words of Neil Manchester of Hendrix Genetics, a massive risk):

- Identify where support to fish farming companies is necessary and assist industry to prioritise robust ova selected for disease resistance to maintain and enhance Scotland's good health status.
- Revise the recommendations of the Code of Good Practice with regards to ova selection.

Why does the Scottish Government not immediately ban the import of ova from Norway?

In February 2018, [Norway's Ministry of Climate & Environment](#) banned the import of Scottish salmon eggs citing risks of disease and genetic impacts of escapes under the Norwegian [Nature Diversity Act](#).

"Farmed salmon with partial Scottish origin increases the likelihood of a negative impact on Norwegian wild populations above negative effects with Norwegian farmed strains," [stated the 22-page letter of refusal](#). "There is a high probability that genetic mixing between Norwegian wild salmon and farmed salmon of partly Scottish origin will increase the loss of genetic diversity."

"This speaks for the Ministry's view that concern for biodiversity and wild salmon should be given significant weight in the case," [continued Norway's Ministry of Climate & Environment](#). "The Ministry also refers to the value of Norwegian wild salmon as an ecosystem service, or a natural good."

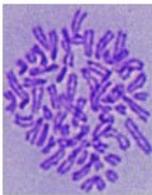
Norway's Deputy Director General at the Ministry of Climate & Environment ([Torbjørn Lange](#)) cited a 2017 report by the Norwegian Institute of Nature Research (NINA). "[Risk assessment of imports of partly Scottish salmon from Scotland to aquaculture in Norway](#)" - authored by NINA scientists [Sten Karlsson](#) and [Kjetil Hindar](#) - concluded: "Based on proven genetic distances and that Scottish wild salmon is a separate genetic group different from that found in Norway, fished salmon with partly Scottish origin is considered to have an increased negative effect on wild salmon stocks in Norway."

Scientific research in Scotland has already shown that Norwegian genetic material is threatening the integrity of wild Scottish salmon. The Salmon & Trout Association [reported in 2017](#):

A study by Scotland's Fisheries Trusts, funded by the Scottish Government, looked for Norwegian genes in wild salmonid populations in the "aquaculture zone" of the west coast of Scotland. Across all sites, 369 out of 1472 (25.1%) individuals were identified as hybrids; this is significantly higher than that seen for the east coast "wild" baseline, where there is no marine aquaculture. The data – which was reviewed by Marine Scotland Science, the Scottish Government's fisheries scientists – showed that over one quarter of west coast wild salmon are in fact Norwegian hybrids. (See *RAFTS (2013) Report on Genetic Tool Development for Distinguishing Farmed vs. Wild Fish in Scotland, February 2013*)

The University of the Highlands & Islands is continuing this work via the research project - "[Domestication Genes in Atlantic Salmon: Identification of Markers](#)":

Projects



Domestication Genes in Atlantic Salmon: Identification of Markers

Identification of genetic and epigenetic genomic markers of domestication in Atlantic salmon for use in assessing introgression of farm genes into wild populations. Led by the Rivers and Lochs Institute in collaboration with partners in UK, Norway, Ireland, and Canada, jointly funded by the BBSRC and NERC.

In May 2018, a PhD studentship was [advertised by the University of Highlands & Islands](#) to study "[Salmon farming in Scotland: quantifying the actual levels of interbreeding and gene introgression of farm escapes with wild populations](#)".

Scientific research published in 2017 reported that introgression of farmed salmon in wild populations in Norway could be as high as 47% (read more via "[Half a century of genetic interaction between farmed and wild Atlantic salmon: Status of knowledge and unanswered questions](#)").

In 2013, [The Sunday Times reported](#) that one in four wild Atlantic salmon from Scotland was genetically "tainted" by Norwegian fish [following scientific research by Rivers & Fisheries Trusts Scotland](#). In 2013, [The Sunday Times reported](#) that "Scots fish are 'Vikings with kilts on'". Read more via "[Scottish Salmon's Great Escape](#)".

Wester Ross Fisheries Trust [reported](#) in 2013:

'Norwegian' genes found in wild salmon populations in Wester Ross

Posted: Monday 4 March, 2013 @ 16:03:52

[Please also see link to quiz at end of this news item . . .]

The results of a study to learn more about the occurrence of genes with a Norwegian signature in wild salmon populations in the West of Scotland have just been published.



The study, 'Genetic Tool Development for Distinguishing Farmed vs. Wild fish in Scotland' was led by Mark Coulson as part of the [RAFTS Managing Interactions with Aquaculture Project \[MIAP\]](#) and supported by WRFT and other fishery trusts. The report can be downloaded by clicking [here](#) or via the link at the end of this item.

The results of this study demonstrate the ability to distinguish between Norwegian and Scottish fish as well as identify individuals of mixed ancestry with high accuracy.

For samples collected in the West of Scotland, the presence of Norwegian genetic signatures was identified from most sites. Several cases of putative direct aquaculture escapees were genetically consistent with field-based identification, including samples from the River Balgy (2006 and 2007) and the Tullich burn near Lochcarron (2011). It was also possible to distinguish individuals of mixed ancestry versus those of either pure Scottish or Norwegian origin. For rivers sampled in Wester Ross, juvenile salmon of mixed ancestry represented the following % of the samples from respective rivers (where n = number of fish in the sample): Gruinard 2005, 15% (n=20); Kerry 2011, 27% (n=33); Torridon 2007, 26% (n=44); Kishorn 2011, 30% (n=27); and Carron [River Lair] 2011, 34% (n=32).

In 2013, a report by Rivers & Fisheries Trusts Scotland - "[Report on Genetic Tool Development for Distinguishing Farmed vs. Wild Fish in Scotland](#)" - concluded that a one in four wild salmon in Scotland were genetically polluted with Norwegian genes via escapes from fish farms.

Read more via:

[Invasion of the Viking salmon](#)

[Fish farms are 'wiping out Scotland's wild salmon'](#)

['Norwegian' genes found in wild salmon populations in Wester Ross](#)