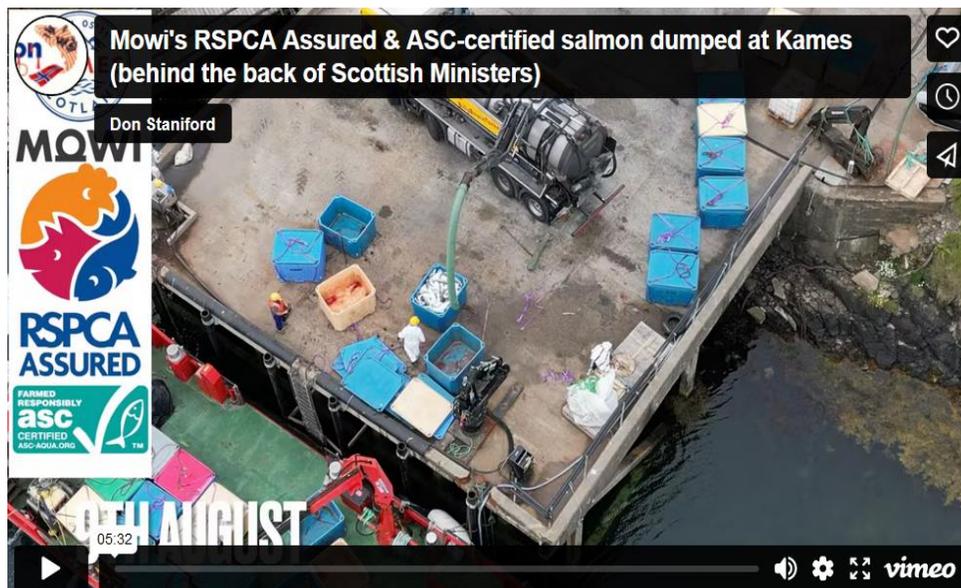


Scamon Scotland, 22 August 2023

**Video footage exposes ‘Vision for Sustainable Aquaculture’ as a welfare nightmare!**

- Mowi caught offloading ca. 30 tonnes of RSPCA Assured/ASC-certified mortals at Kames
- Weeks earlier Scotland’s Rural Affairs Secretary smiled for BBC cameras at same spot

[Video footage](#) of disease-ridden Scottish salmon – certified as ‘responsible’ via RSPCA Assured and the Aquaculture Stewardship Council - exposes the flaws in the Scottish Government’s [promotion of salmon farming as ‘sustainable’ and ‘responsible’](#).



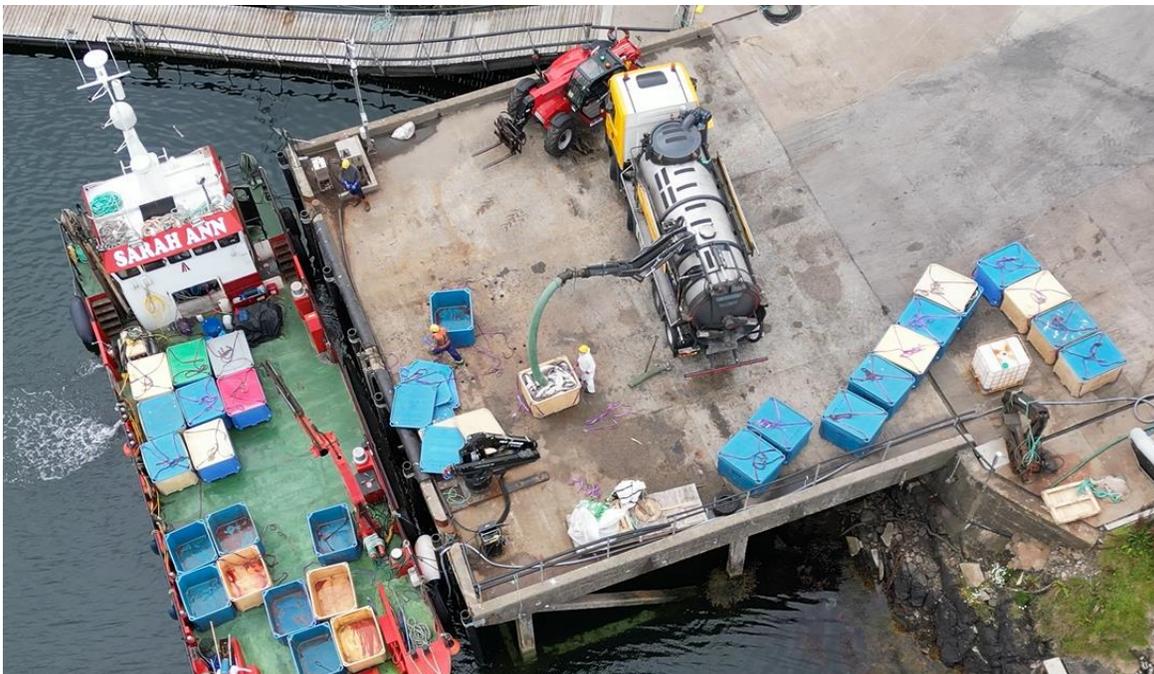
The gruesome footage - shot on 9 August by covert investigators at Kames Pier in Kilmelford near Oban - comes in the wake of the Scottish Government’s [‘Vision for Sustainable Aquaculture’](#) which was launched by Rural Affairs Secretary Mairi Gougeon at exactly the same location just last month [1]. A media release [published by the Scottish Government on 21 July 2023](#) included a [photo of a beaming Mairi Gougeon at Kames](#) – yards from where mass mortalities from Mowi’s RSPCA Assured and ASC-certified salmon farms at nearby [Poll Na Gille](#), [Port Na Cro](#), [SW Shuna](#) and [Bagh Dail nan Ceann](#) are routinely offloaded.



A [Tweet by Marine Scotland \(21 July 2023\)](#) shows Kames Pier in the background during Mairi Gougeon's visit with BBC Scotland's business reporter Douglas Fraser:



If the Rural Affairs Secretary had walked along Kames Pier and down the walkway to the pontoon several weeks later she would have witnessed the less savoury side of Scottish salmon.



The ministerial visit to Kames was [featured exclusively by BBC Scotland](#) who accompanied Mairi Gougeon to promote the Scottish Government's ['Vision for Sustainable Aquaculture'](#) [2].

 **Douglas Fraser** 📺 @BBCDouglasF · Jul 21

'Mistrust, dislike and vitriol': Scottish fish farming gets a plan for a ceasefire:

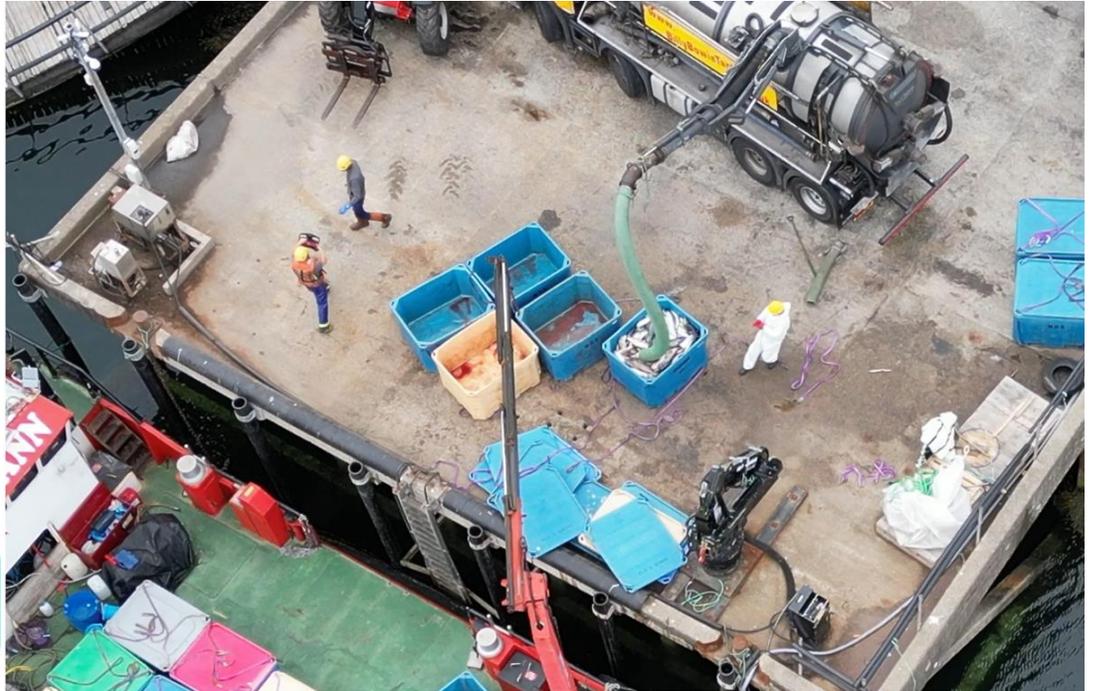


bbc.co.uk  
New strategy seeks to calm waters around fish farming in Scotland  
Scottish ministers want to improve relations surrounding the industry as they publish a blueprint for its future.

If BBC Scotland had visited Kames on 9 August they would have seen – and smelled – Mowi workers offloading ca. 30 tonnes of disease-ridden salmon [shamefully certified as 'welfare friendly' via RSPCA Assured and greenwashed as 'responsible' by the Aquaculture Stewardship Council](#) into Billy Bowie tankers for mort disposal.



The [video footage](#) shows [Mowi's Sarah Ann work boat](#) offloading plastic bins of morts – each bin is believed to carry one tonne of dead fish – onto Kames Pier and then sucked up by a Billy Bowie tanker for disposal at [Biogas Energen in Cumbernauld](#) or [Dundas Chemicals in Dumfries](#) or [Motherwell](#) [3].



In the [video footage](#) you can clearly see Mowi's name written on the side of the bins (other bins have MHS on the side – standing for Marine Harvest Scotland, [Mowi's name before 2019](#)):

**MOWI**



**RSPCA  
ASSURED**



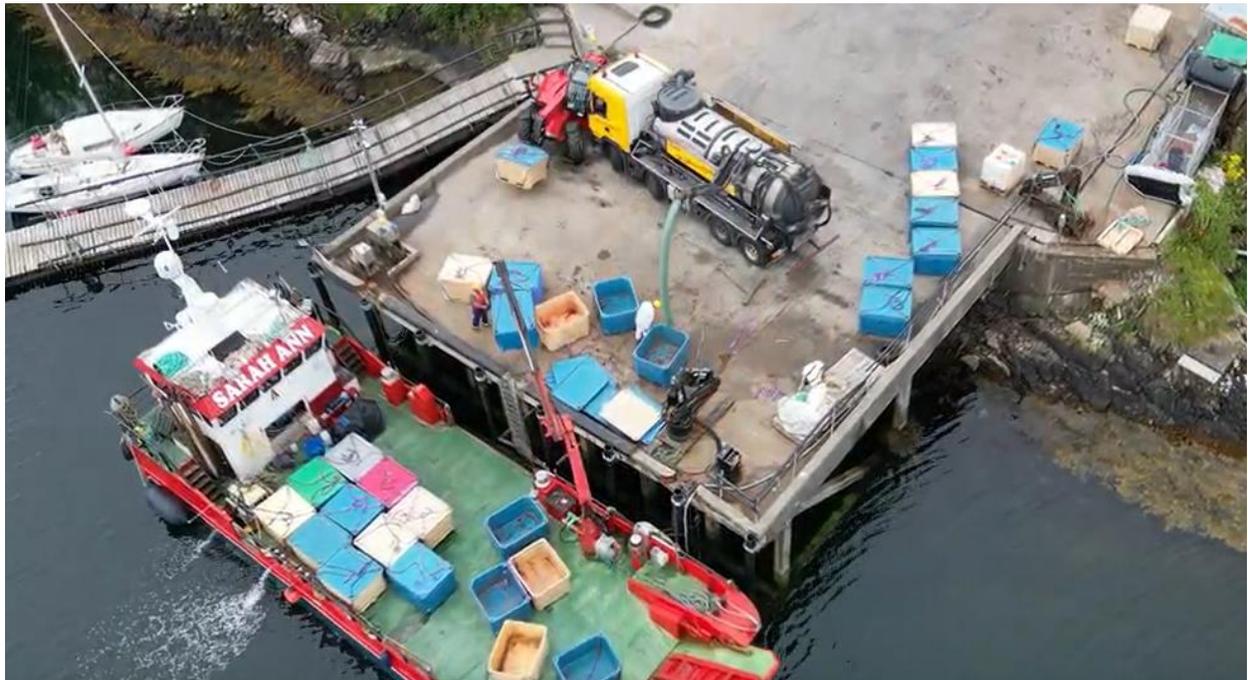
As well as dead salmon there are dead cleanerfish – wrasse and lumpfish – visible in Mowi's mort bins (the collateral damage of cleanerfish is another of [Scottish salmon's dirty secrets](#)):



As Mowi workers lift the lids off mort bins on Kames Pier wounds and lesions on the side of some salmon can be seen with the naked eye:



In this drone shot there are 31 mort bins visible on the deck of the Sarah Ann workboat and on Kames Pier – equating to 31 tonnes of dead salmon (each bin can take 1 tonne of morts):



Data [published on 14 August 2023 by Mowi](#) details mortality and disease problems at Poll Na Gille (currently the highest mortality rate of any Mowi salmon farm with 4.88% weekly mortality) and Bagh Dail nan Ceann:

**Mowi Scotland  
Sea Lice and Mortality Reporting**



Report for w/e 06-Aug-23 updated 14-Aug 15:03

Farm	Site Status	Adult female w/eggs	Adult female w/o eggs	Adult male	Mobile	Weekly Mortality (%)	Main cause of Mortality <sup>1</sup>	Treatments <sup>2</sup>
Bagh Dail Nan Ceann	Site followed in week	-	-	-	-	1.77	PD	
Poll Na Gille		0.05	0.45	0.25	0.25	4.88	PD	Taking place

Data [published on 7 August 2023 by Mowi](#) details mortality and disease problems at Poll Na Gille and Bagh Dail nan Ceann (the two highest mortality rates of all Mowi salmon farms in Scotland with 6.14% mortality and 3.79% mortality):

**Mowi Scotland  
Sea Lice and Mortality Reporting**



Report for w/e 30-Jul-23 updated 07-Aug 16:26

Farm	Site Status	Adult female w/eggs	Adult female w/o eggs	Adult male	Mobile	Weekly Mortality (%)	Main cause of Mortality <sup>1</sup>	Treatments <sup>2</sup>
Bagh Dail Nan Ceann		-	-	-	-	3.79	PD	
Poll Na Gille		0.10	0.25	0.60	4.05	6.14	PD	Taking place

Data [published on 3 August 2023 by Mowi](#) details Pancreas Disease at Poll Na Gille and Bagh Dail nan Ceann:

**Mowi Scotland  
Sea Lice and Mortality Reporting**



Report for w/e 23-Jul-23 updated 03-Aug 12:06

Farm	Site Status	Adult female w/eggs	Adult female w/o eggs	Adult male	Mobile	Weekly Mortality (%)	Main cause of Mortality <sup>1</sup>	Treatments <sup>2</sup>
Bagh Dail Nan Ceann		0.20	0.20	0.85	5.30	2.05	PD	
Poll Na Gille		0.10	0.15	0.00	0.40	1.37	PD	

Full descriptions for abbreviated mortality causes shown above in the week are :  
 PD Pancreas Disease

Mortality reports for the rest of August 2023 will be published by Mowi [online here](#)

Data [published by the Scottish Government’s Fish Health Inspectorate](#) exposes the welfare nightmare and mortality mountain of Mowi’s RSPCA Assured and ASC-certified salmon farms near Craobh Haven (Poll Na Gille, Port Na Cro, SW Shuna and Bagh Dail nan Ceann) which use Kames Pier near Kilmelford to dispose of diseased fish [4].

Mowi – [like every other salmon farming company in Scotland](#) – is accredited as ‘welfare friendly’ via RSPCA Assured and has dozens of salmon farms certified as ‘responsible’ via the Aquaculture Stewardship Council.



Mowi is [represented on the RSPCA farmed salmon standards technical advisory groups](#) and [claims on their website](#) that “we’re regularly checked by RSPCA’s independently certified farm assurance scheme and are proud to meet their standards”.

Mowi’s Craobh Haven salmon farms (Poll Na Gille, Port Na Cro, SW Shuna and Bagh Dail nan Ceann) are all [greenwashed as ‘responsible’ by the Aquaculture Stewardship Council](#) with [ASC certification awarded in May 2023](#).



[Seafood lovers](#)   [Producers](#)   [Business](#)   [More](#)

ASC CERTIFICATE: [ASC02117](#)

### Mowi Scotland Number of Sites : 4

CAB CERTIFICATE ID: [ASC-F-0165](#)

<b>FARM (UOC)</b>	Craobh Haven	<b>COUNTRY/TERRITORY</b>	United Kingdom
<b>SPECIES</b>	Salmo salar (Atlantic salmon)	<b>STATUS</b>	Certified
<b>CERTIFIED UNTIL</b>	2026-05-15 00:00:00	<b>PUBLIC CONSULTATION UNTIL</b>	

[READ MORE](#) →

“The Scottish Government’s policy of promoting disease-ridden salmon farming is dead in the water,” said [Don Staniford, Director of Scamon Scotland](#). “Once again the SNP is blindly ignoring animal welfare in support of a lethal form of factory farming. If Scottish Ministers bothered to actually visit filthy feedlots – rather than engage in shameless PR exercises with BBC cameras in tow – the smile on their faces would be wiped off with the stench of Scottish salmon. Anyone daring to visit salmon cages this summer requires nose plugs, a strong stomach and a sick bag. Shame on RSPCA Assured and the ASC for greenwashing the welfare nightmare that is Scottish salmon. Consumers are urged to join the global boycott against toxic farmed salmon.”



The Scottish Government’s [‘Vision for Sustainable Aquaculture’](#) (July 2023) cites “reducing cumulative mortalities”:



## 5.4 Health and Welfare

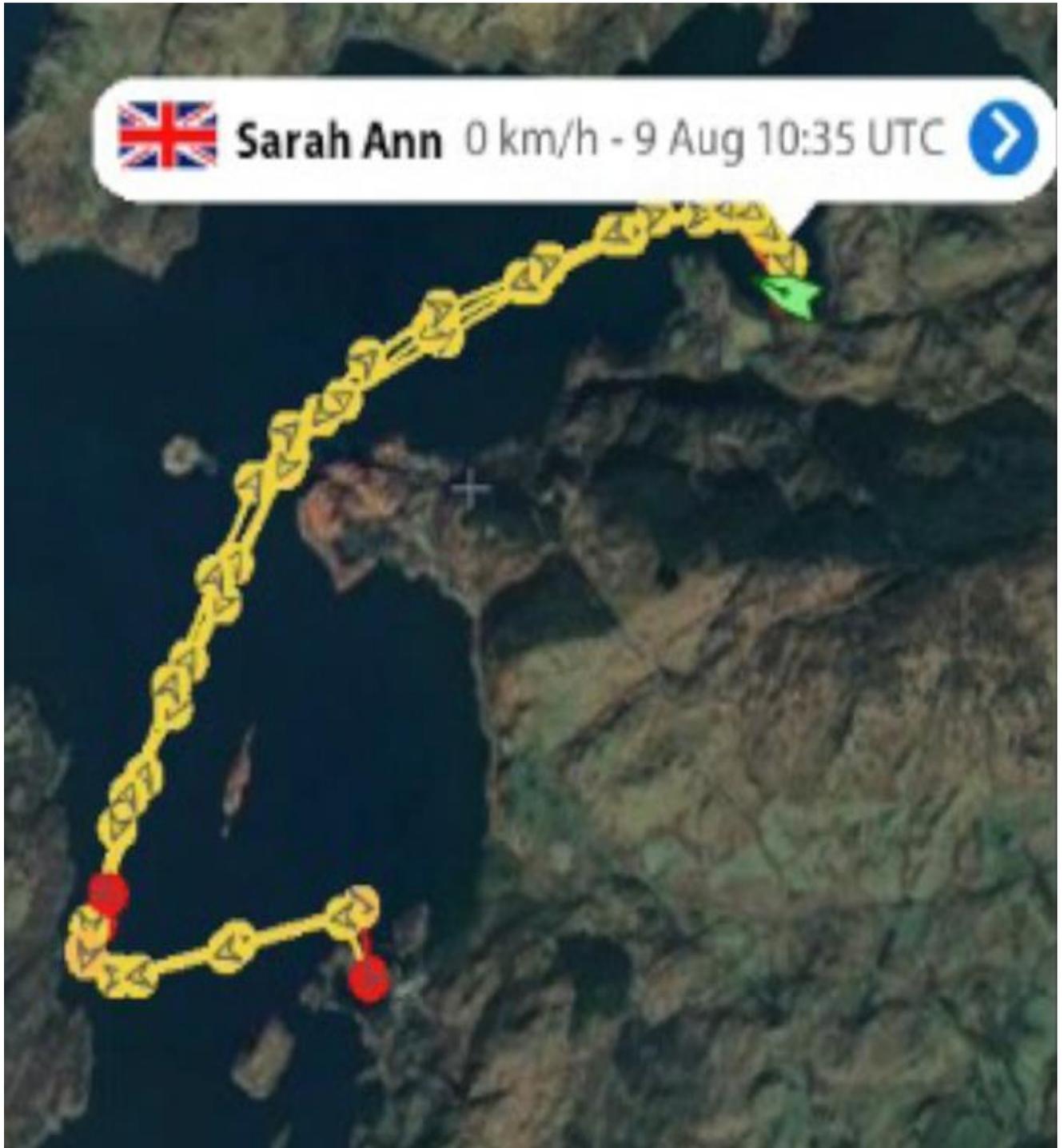
Improving aquaculture health and welfare is an ethical responsibility and a priority. Continuing ongoing work by businesses, government and researchers will lead to enhanced health, welfare, economic and environmental performance.

**This will be achieved by:**

- improving health and welfare and reducing cumulative mortalities over the finfish production cycle to the lowest possible levels

However, the fact is that mass mortalities are increasing to record levels [5] with salmon farming production in Scotland predicted to fall when new figures are published in October [6].

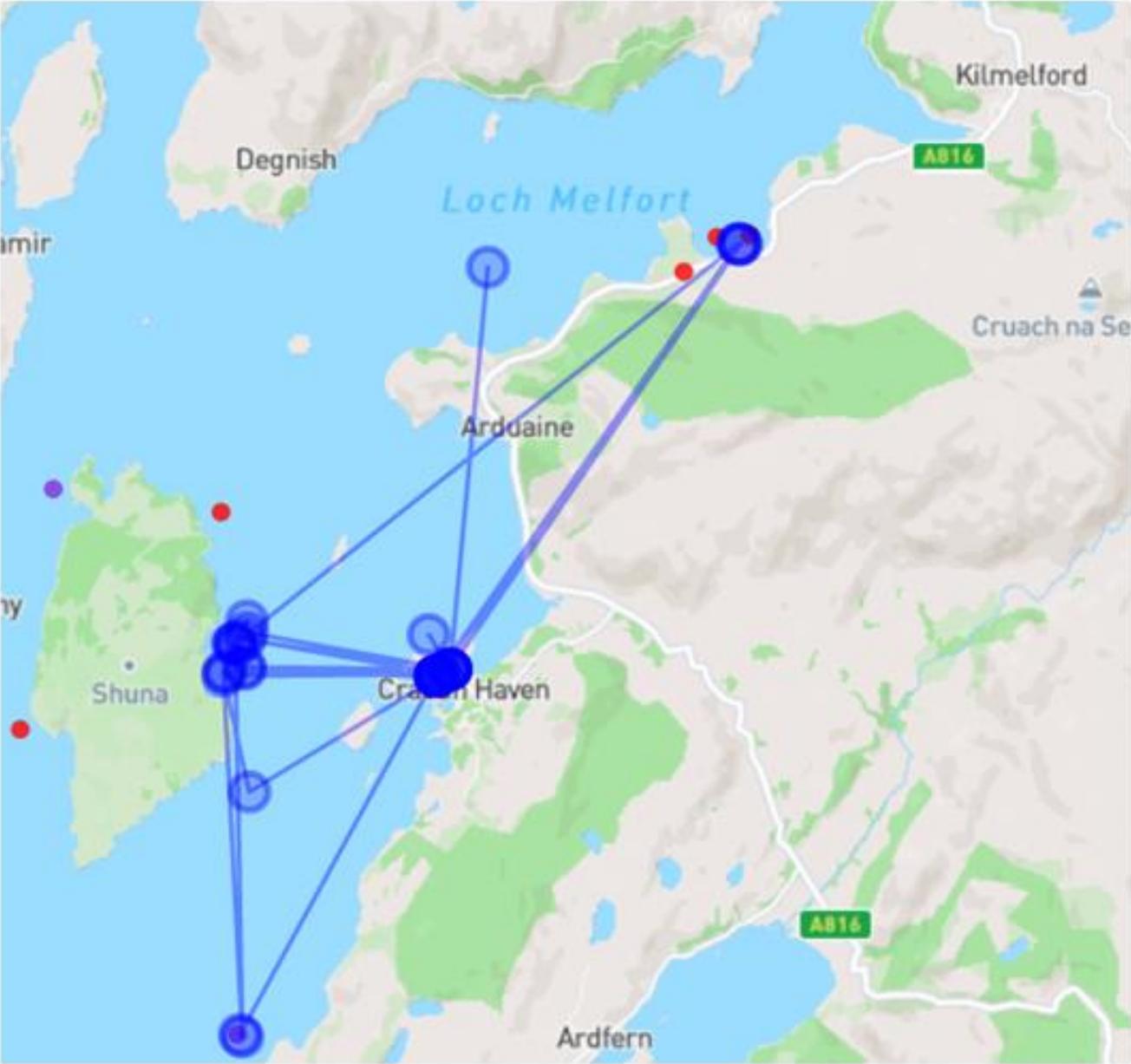
The [Marine Traffic website](#) shows that Mowi's Sarah Ann workboat left Craobh Haven on 9 August 2023 to visit Poll Na Gille salmon farm before heading down Loch Melfort to unload morts at Kames Pier near Kilmelford:



The recent history of the Sarah Ann shows it servicing Mowi's Poll Na Gille and Bagh Dail nan Ceann salmon farms with regular visits to Kames Pier in Loch Melfort:

# History of SARAH ANN

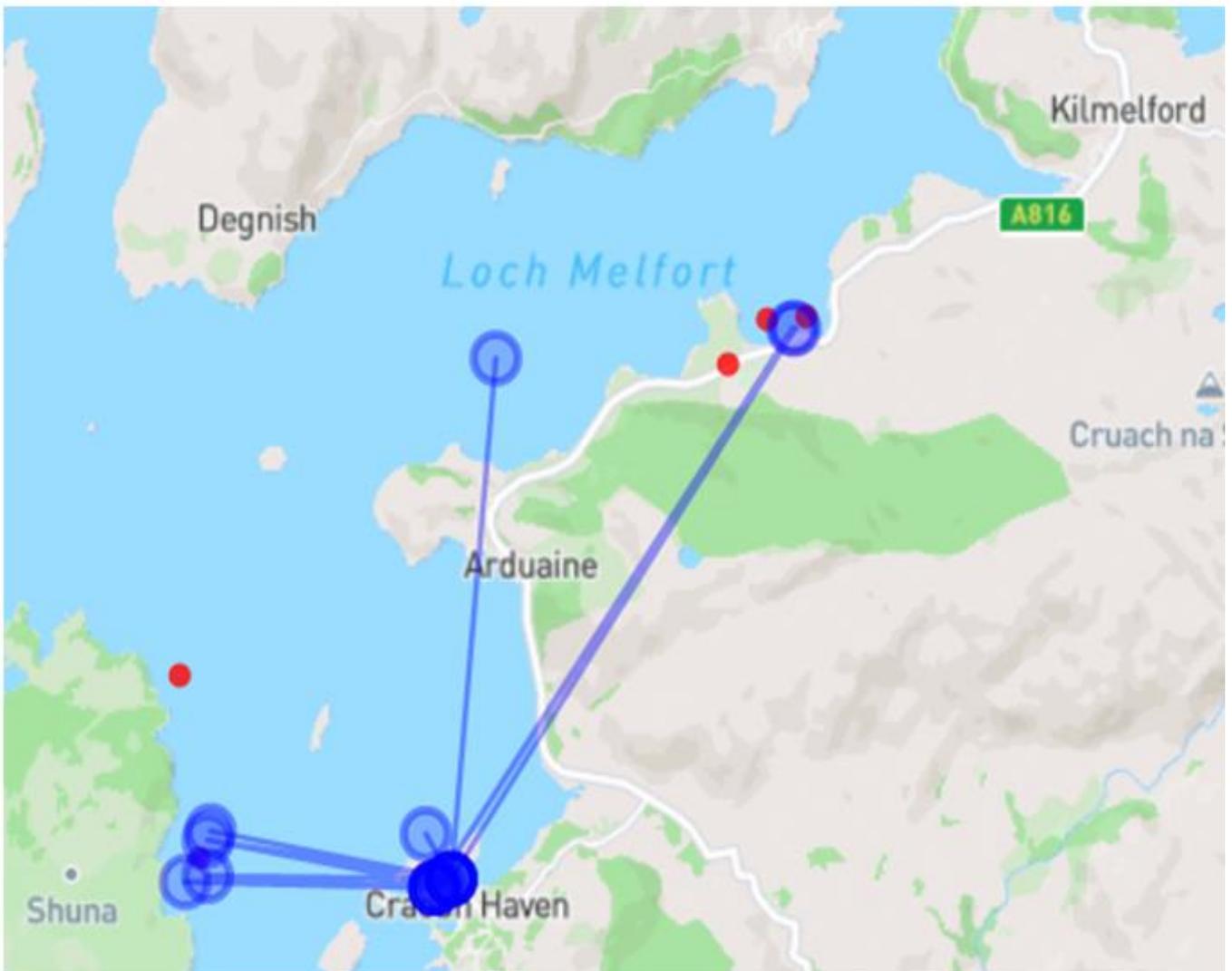
Range: **24/07/23, 08:18 - 14/08/23, 04:36**



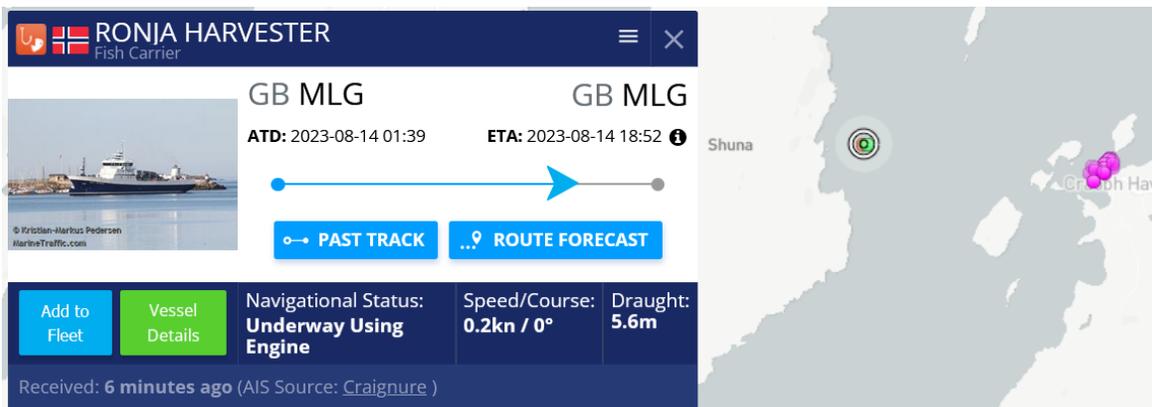
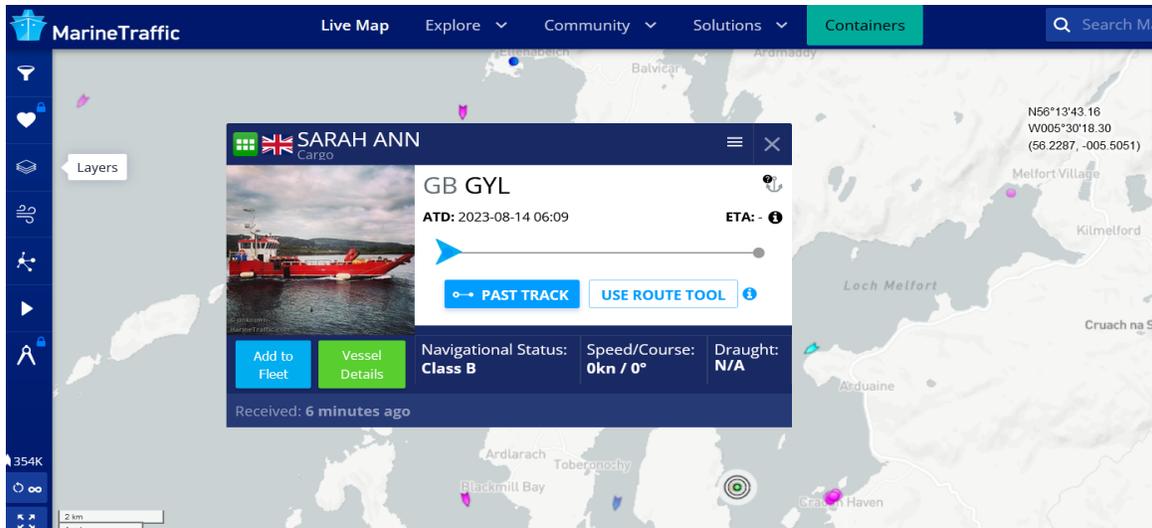
Between 2 August and 14 August 2023, [Marine Traffic shows](#) the Sarah Ann operating exclusively between Mowi's Poll Na Gille salmon farm and Kames Pier in Loch Melfort:

# History of SARAH ANN

Range: **02/08/23, 22:07 - 14/08/23, 04:36**



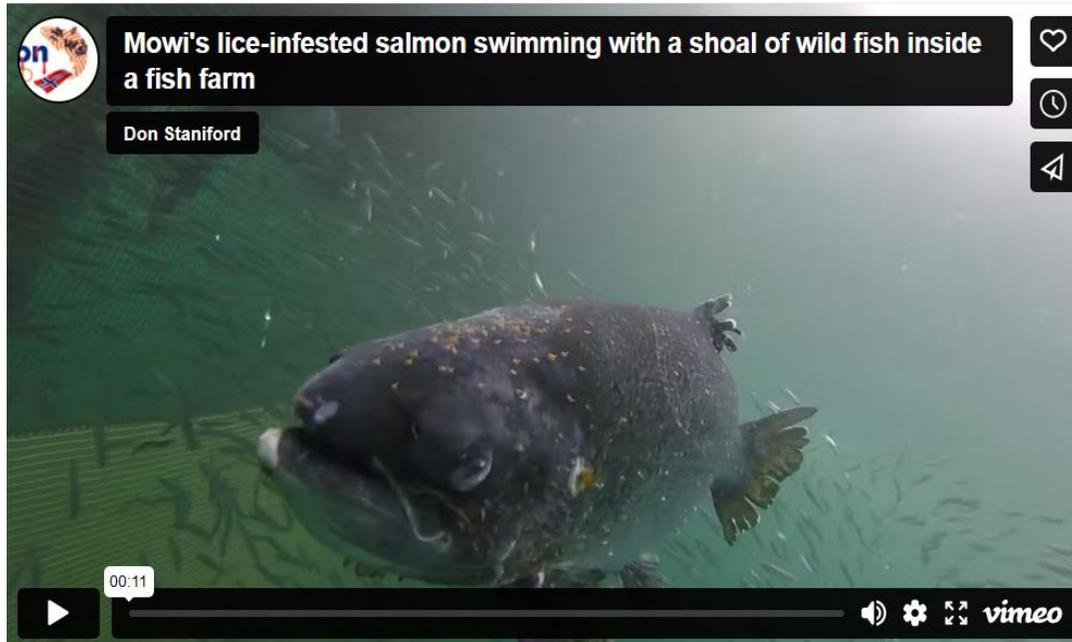
On 14 August 2023, Mowi's Sarah Ann workboat was [reported by Marine Traffic](#) at Poll Na Gille salmon farm along with the Ronja Harvester:



Mowi's RSPCA Assured and ASC-certified Poll Na Gille salmon farm was [named and shamed by OneKind in a damning welfare report published in 2018 as the worst in Scotland](#). In 2019, diver David Ainsley [published video footage](#) of dead salmon at the bottom of Mowi's Bagh Dail nan Ceann salmon farm.



Video footage shot inside Mowi's Poll Na Gille salmon farm in July 2021 [revealed lice-infested salmon swimming with a shoal of wild fish](#):



Seaspiracy [published video footage](#) of Mowi's Poll Na Gille, Port Na Cro, SW Shuna and Bagh Dail nan Ceann salmon farms in August 2021 with [over 1 million views on Instagram](#) and [news coverage in the Mail On Sunday](#) and [The Times](#):

seaspiracy  
Original audio

[View profile](#)

SEASPIRACY ORIGINALS

SALMON ARE BEING EATEN ALIVE BY LICE AT THIS FISH FARM IN SCOTLAND

20

The Mail on Sunday JULY 25 • 2021

# Revealed, the nauseating underbelly of Scotland's £1 billion salmon farms

By Georgia Edkins

SCOTLAND'S largest salmon producer is being probed by police and animal welfare authorities after undercover cameras captured sickening footage from its fish farms. Fish infested with lice are seen swimming through filthy water just hours before being harvested and processed for sale in supermarkets up and down the country. One section of footage – taken at four Mowi fish farms with the West Coast last week – shows a dead salmon floating to the top of the water, its flesh coming loose as it decomposes.

Now The Scottish Mail on Sunday can reveal the farms are being probed by the RSPCA. If investigators find salmon in the same state of distress, Mowi could lose its 'RSPCA Assured' labelling, which guarantees customers the fish is reared in line with the highest welfare standards. The Norwegian company could even face

**'The RSPCA should hang their heads in shame'**

**Fish eaten alive by lice, cages awash with faeces, dead salmon left to rot. As No1 producer is probed by cops, what are you putting on YOUR plate?**

**DISCARD:** A lice-infested salmon in a Scottish Mowi fish farm this month

sometimes administered with their feed in a desperate attempt to stave off disease.

limit their portions to one fillet every two months.

In 2019, after 20 tons of salmon growing from open wounds, and chunks of their flesh rotting.

A report said animals were 'held take those responsible for this suffering before a court of law'. As RSPCA Assured spokesman

In May 2019, BBC Panorama [featured underwater video footage of mass mortalities and benthic impact at Mowi's Poll Na Gille salmon farm](#) with [Mowi probed over chemical use](#):



Panorama - Salmon Farming Exposed



Other [video footage published by diver David Ainsley](#) is understood to be from under Mowi's Poll Na Gille salmon farm:



Scotland's Rural Affairs Secretary Mairi Gougeon will [officially open the Scottish Pavilion at the AquaNor trade show in Norway on Tuesday \(22 August 2023\) with a VIP brunch reception on Wednesday \(23 August 2023\)](#) attended no doubt by Scotland's chief shill for the \$almafia, Tavish Scott who admits to spending a lot of his time via "engagement and information-sharing to combat the disinformation spread by a minority of activists and opponents" [7]. For the full programme for the Scottish Pavilion at AquaNor see [online here](#).



“Delegates visiting AquaNor should avoid the Scottish Pavilion like the proverbial plague,” concluded Staniford [who delivered a letter to the King of Norway during AquaNor in 2009](#). “Scottish salmon is the shame not pride of Scotland. Salmon farming in Scotland is now the worst in the world with mass mortalities, infectious diseases and welfare abuse reaching epidemic levels. 2023 may well be the year that killed off Scottish salmon farming.”



The Mail On Sunday/Mail Online [reported over the weekend \(20 August 2023\)](#) on a Fatal Accident Inquiry launched by the Crown Office following the [death of Mowi worker Clive Hendry](#):

# MailOnline

## Horrific death of salmon farm worker who drowned after being crushed between two boats sparks legal probe by the industry watchdog

- Clive Hendry died while stepping between a boat and feed barge in 2020

By [ASHLIE MCANALLY](#)

PUBLISHED: 01:29, 20 August 2023 | UPDATED: 01:46, 20 August 2023

Since Clive Hendry's [death at Mowi's salmon farm at Ardintoul in Loch Alsh in February 2020](#), Mowi has reported a staggering 11.4 million dead salmon via 577 'Mortality Event Reports' – including these incidents [published by the Scottish Government's Fish Health Inspectorate](#):

Mortality Event No	Reporting Business Name	Site Name	Date reported	Mortality %	Explained reasons	Total mortality during event	Additional information
MRT03562	Mowi Scotland	Bagh Dail Nan Cean	23/11/2022	16.99	Rickettsia	148460	
MRT03320	Mowi Scotland	Marulaig Bay	29/09/2022	21.22	Gill infections / Jellyfish	139023	
MRT03589	Mowi Scotland	Bagh Dail Nan Cean	01/12/2022	17.88	Rickettsia	128114	Rickettsia, Salmon gill pox virus, AGD and Paranucleospora theridion confirmed on site 23/11/2022 by Marine Scotland
MRT03525	Mowi Scotland	Bagh Dail Nan Cean	14/11/2022	12.66	Rickettsia	126650	Antibiotic treatment underway
MRT03265	Mowi Scotland	Stulaigh	22/09/2022	19.5	Gill infections	126642	Affected pens being harvested out
MRT02459	Mowi Scotland	Grey Horse Channel Outer	04/10/2021	9.19	AGD	104249	
MRT03254	Mowi Scotland	Muck	22/09/2022	13.79	Gill-Health Related	98953	Harvesting - planned to be empty by 18th Sep
MRT03563	Mowi Scotland	Poll Na Gille	23/11/2022	13.49	Rickettsia	98591	
MRT02565	Mowi Scotland	Grey Horse Channel Outer	29/10/2021	10.07	AGD and FW Extended Treatments	98533	
MRT02612	Mowi Scotland	Grey Horse Channel Outer	11/11/2021	11.73%	AGD and FW Extended Treatments	85671	
MRT02586	Mowi Scotland	Grey Horse Channel Outer	08/11/2021	9.79%	AGD and FW Extended Treatments	84664	
MRT02777	Mowi Scotland	Ardintoul	17/01/2022	8.74	Complex gill diseases and SRS.	69704	SRS being medicated with antibiotics.
MRT03526	Mowi Scotland	Poll Na Gille	14/11/2022	8.4	Rickettsia	67034	Antibiotic treatment scheduled
MRT03319	Mowi Scotland	Stulaigh	29/09/2022	12.49	Gill infections / Jellyfish	65332	Worst affected pens now harvested out
MRT02549	Mowi Scotland	Colonsay	27/10/2021	5.46	AGD, PD and Treatments	65251	
MRT03264	Mowi Scotland	Muck	22/09/2022	15.54	Gill infections	64473	Site now fallow
MRT03256	Mowi Scotland	Stulaigh	26/09/2022	8.68	Gill-Health Related	62950	
MRT02712	Mowi Scotland	Seaforth	16/12/2021	3.15	Pasteurella skyensis infection.	59962	Fish are being medicated with antibiotics.
MRT01868	Mowi Scotland	Eilean Grianain	28/09/2020	8.31%	Gill Insult (AGD, PGD and Plankton)	59269	Site will be harvested out.
MRT01739	Mowi Scotland	Stulaigh	10/08/2020	6.98	Harmful Algae Bloom and	55785	Aeration system in place.
MRT03502	Mowi Scotland	Bagh Dail Nan Cean	08/11/2022	4.21	Rickettsia	53309	
MRT02447	Mowi Scotland	Rum	04/10/2021	6.22	Gill disease and microjellyfish	52598	
MRT03590	Mowi Scotland	Poll Na Gille	01/12/2022	8.19	Rickettsia	51775	Rickettsia, Salmon gill pox virus, AGD and Paranucleospora theridion confirmed on site 23/11/2022 by Marine Scotland

In January 2022, Scottish Salmon Watch [wrote to the ASC asking that the certification of all Mowi salmon farms as 'responsible' be cancelled as it represented "false advertising"](#).

In October 2022, \$camon \$cotland [wrote to RSPCA Assured and the ASC demanding an end to the certification of Scottish salmon as 'responsible'](#).

Today (22 August 2023), Scamon Scotland wrote to Scottish Ministers calling for a cessation of salmon farming – read the letter [online here](#)

Scamon Scotland’s [letter to Scottish Ministers \(22 August 2023\)](#) includes:

“Launching the government's 'Vision for Sustainable Aquaculture' at a dumping ground for disease-ridden Scottish salmon illustrates the SNP's arrogance and incompetence. The Scottish Government's strategy on salmon farming is dead in the water along with millions of lice-infested fish. The SNP should dump their misguided policy of promoting such a lethal industry and the Greens should hang their heads in shame at supporting welfare abuse rather than animal protection. Please consign irresponsible and inherently unsustainable Scottish salmon farming to the dustbin of history.”



**Contact:**

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

## Notes to Editors:

[1] Kames [posted on Facebook \(21 July 2023\)](#):



**Kames Fish Farm**

21 July at 20:28 · 🌐



We were glad to welcome MSP Mairi Gougeon to Loch Melfort this week, in advance of the publication of the Scottish Government's Vision for Sustainable Aquaculture which was released today. We've helped to contribute to the vision alongside other industry stakeholders, and had the chance to discuss it further with the Cabinet Secretary in person, as well as conducting interviews with the BBC about the vision, which sets out goals for the sector to grow in innovation, production and sustainability within the government's Blue Economy and Net Zero ambitions.

It's encouraging that there is an open dialogue happening between the sector and government that will enable progression to a more sustainable future for aquaculture. We can tackle these sustainability challenges of climate change and environment with much more impact when we work collectively and collaboratively, with better education and discourse with the research institutes and public bodies, and the wider community.

We hope the vision triggers action beyond words within the industry. We are proud to be a Scottish owned, award-winning and family run company, but we need support to keep innovation and diversity that SMEs like us bring to the table alive, alongside economic growth. The vision supports this view, and we look forward to seeing the action to come and more innovation and diversity in aquaculture.

Ms Gougeon, Cabinet Secretary for Rural Affairs, Land Reform and Islands commented: "I was delighted to visit Kames and to learn more about its focus on the future and sustainability. It was interesting to learn about Kames' Future50 programme and their planned investment into their business, community and local environment. We have many examples in Scotland of what aquaculture brings to Scotland's economy now – and can do in the future – Kames shows the role Scottish, family-owned businesses can play."

[#scottishsteelhead](#) [#sustainableaquaculture](#)



A [press release issued by Wild Fish \(27 July 2023\)](#) included:

**WildFish.**

ABOUT ▾

PROJECTS ▾

27.07.23

Scottish Government launches vision for 'sustainable' aquaculture at trout farm run by company beset with sea lice infestations

Last Friday (21 July) the Scottish Government announced its long-overdue *Vision for Sustainable Aquaculture*. Heralded as one of the key commitments in the Bute House Agreement for the Scottish Greens, the vision was launched with a photocall for Mairi Gougeon, Cabinet Secretary for Rural Affairs, Land Reform and Islands, at a rainbow trout farm run by Kames Fish Farming close to Oban.

WildFish analysis of government sea lice data has shown that Kames Fish Farming has been one of the worst-performing farms in Scotland so far this year, with parasite levels reaching **as high as 6.42** adult female sea lice per fish in May – **13 times** the industry's Code of Good Practice (CoGP) guidelines, and breaching the Scottish Government threshold for intervention.<sup>[1]</sup>

**“This new ‘vision’ is another example of the Scottish Government desperately trying to fit a square peg in a round hole, to justify its continued support for salmon and trout farming in Scotland.”**

RACHEL MULRENAN  
Scotland Director, WildFish

She continued: “that the Cabinet Secretary chose to launch the Vision at a farm run by Kames, who reported the highest sea lice numbers of all finfish farms across Scotland in May this year, is fitting of a government that is failing to do even basic due diligence on the environmental harm being caused by the companies it promotes”.

Ms Mulrenan continued: "with sky-high mortalities, increasing antibiotics usage, use of chemicals toxic to marine life and sea lice infestations all contributing to its appalling environmental and welfare record, combined with its reliance on wild-caught fish for feed, open-net salmon and trout farming is inherently unsustainable – and no policy document, developed in partnership with the industry itself, will change that.

While governments and consumers around the world start to turn their back on an industry that pollutes with impunity, making astronomical profits for huge corporations off our natural assets, the Scottish Government is seemingly doubling down on its misguided support for the industry and its environmental ecocide."

[2]

Sustainability Community News Contact



Jul 24

# Scottish Government launches sustainable vision at Kames in BBC exclusive





**Don Staniford** ✓ @TheGAAIA · Jul 23

...

If Scotland's Fisheries Minister @MairiGougeon wants the real story about fish pharming she should make unannounced site visits rather than red carpet photo shoots @kamesfishfarm @scotseafarms @LochDuartSalmon @MowiScotlandLtd @CookeScotland @ScotlandSalmon @TavishScott



 **Scot Gov Marine** ✓ @ScotGovMarine · Jul 21



Today, @MairiGougeon launched the 'Vision for Sustainable Aquaculture', a new strategy to support the future productivity of Scotland's aquaculture sector and protect the marine environment



**Don Staniford** ✓ @TheGAAIA · Jul 21

...

Bullsh\*t Alert @kamesfishfarm: "You could almost say we're lighthouses or guardians of the ocean" @BBCScotlandNews @ScotlandSalmon @tavishscott



bbc.co.uk

New strategy seeks to calm waters around fish farming in Scotland  
Scottish ministers want to improve relations surrounding the industry as they publish a blueprint for its future.

[3] Mowi's RSPCA Assured and ASC-certified salmon farms in the Craobh Haven area (Port Na Cro, SW Shuna, Poll Na Gille and Bagh Dail nan Ceann) use Kames Pier to offload and store disease-ridden morts before disposal via Billy Bowie tankers to Biogas Energen in Cumbernauld or Dundas Chemicals in Dumfries:

A [Fish Health Inspectorate report](#) on Mowi's Bagh Dail nan Ceann salmon farm in March 2023 detailed:

Mortality Records	
1. Mortality records available for inspection?	<input type="checkbox"/> Y
2. How are mortalities disposed of?	Biogas - Energen, Cumbernauld

A [Fish Health Inspectorate report](#) on Mowi's Port Na Cro salmon farm in March 2023 detailed:

Mortality Records	
1. Mortality records available for inspection?	<input type="checkbox"/> Y
2. How are mortalities disposed of?	Biogas - Energen, Cumbernauld

A [Fish Health Inspectorate report](#) on Mowi's Poll Na Gille salmon farm in November 2022 detailed:

Mortality Records	
1. Mortality records available for inspection?	<input type="checkbox"/> Y
2. How are mortalities disposed of?	Whole fish - Dundas Chemicals

A [Fish Health Inspectorate report](#) on Mowi's Bagh Dail nan Ceann salmon farm in November 2022 detailed:

Mortality Records	
1. Mortality records available for inspection?	<input type="checkbox"/> Y
2. How are mortalities disposed of?	Whole fish - Dundas Chemicals

A [Fish Health Inspectorate report](#) on Mowi's Poll Na Gille salmon farm in June 2022 detailed:

Mortality Records	
1. Mortality records available for inspection?	<input type="checkbox"/>
2. How are mortalities disposed of?	Ensiled - on site
If other detail:	mortalities via Kames Pier to Dundas Chemical or EnerGen Biogas

A [Fish Health Inspectorate report](#) on Mowi's Poll Na Gille salmon farm in May 2021 detailed:

Mortality Records	
1. Mortality records available for inspection?	<input type="checkbox"/> Y
2. How are mortalities disposed of?	Other (detail)
If other detail:	Ensiled at Kames pier and collected by Billy Bowie and taken to Energen at Cumbernauld.

A [Fish Health Inspectorate report](#) on Mowi's Poll Na Gille salmon farm in November 2020 detailed:

### Mortality Records

1. Mortality records available for inspection?	<input type="checkbox"/>	Y
2. How are mortalities disposed of?	Other (detail)	
If other detail:	Ensiled at Kames Pier.	

[4] A [Fish Health Inspectorate report](#) on Mowi's Bagh Dail nan Ceann salmon farm in November 2022 detailed:

#### Additional Case Information:

21/10 - gill treatment started and mortality started to flare up.

Stoffinisker and Aquagen on site, both have experienced similar levels of mortality. Recent mortalities on site have been attributed to complex gill issues, Rickettsia and Moritella. Mortality is constant across the whole site, however pens 6, 9, and 3 appear to be worst affected.

Cleaner fish mortality - LUM - 182,756 - 100% main cause has been flavivirus - 86,614 mortalities recorded. <100,000 not recorded.

Wrasse mortality - 31,484 Since input across the site. Background mortality.

Additional information on lumpfish mortalities -

During the inspection it was found that the site had suffered 100% mortalities of their lumpfish since input. Of these 86,614 were recorded with cause and around 100,000 had not been recorded. This has been referred to the Animal and Plant Health Agency, as they have responsibility for welfare. As ~100,000 mortalities of lumpfish were not recorded, these were not reported to the FHI, or the company vet.

Recent (last 4 wks) disease problems?	<input type="checkbox"/>	Y
If yes, detail:	Rickettsia, Moritella, and CGD	

3. Mortality records complete and correctly entered?	<input type="checkbox"/>	Y
4. Recent mortality (last 4 wks):	WK45 - 126650 (12.66%) WK 44 53309 (4.21%) WK 43 44046 (3.36%) WK42 48,657 (3.58%)	



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## AMENDED FISH HEALTH INSPECTORATE VISIT REPORT

### SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS NO	FB0119	DATE OF VISIT	17/11/2022
SITE NO	FS0805	SITE NAME	Bagh Dail Nan Ceann
CASE NO	20220578	INSPECTOR	[REDACTED]

This report replaces the fish health report R09 issued on 30/01/2023 by [REDACTED]. The previous report should be discarded. The comments on the report have been deleted.

#### Section 1: Summary

The above site was inspected following reports of increased mortality by the farm operator. During the inspection of the worst affected pens, five fish were removed for diagnostic sampling.

Histopathology examination revealed moderate to marked hyperplastic branchitis. Epitheliocystis (likely *Ca. Branchiomonas cysticola*) and amoebic gill disease (AGD) were observed. Some gill lesions could also be associated with environmental factors. Mild peritonitis (potentially associated with vaccine administration) and mild, multifocal hepatic necrosis were also observed.

All five fish tested positive for salmon gill poxvirus, *Paranucleospora theridion* and *Neoparamoeba perurans* (amoebic gill disease (AGD)). F1, F2 and F5 tested positive for *Piscirickettsia salmonis* (SRS).

### Observations

Following three weeks of increased mortality notifications above the reporting threshold which began at 3.36% and peaked at 12.66% in the third week, a site inspection was conducted and diagnostic samples taken for analysis.

Mortality removal had occurred in the morning before visual inspection of the site occurred. During inspection of the site very few moribund fish were observed. The vast majority of fish were seen shoaling approximately 2m below the water surface. Only slow moribund fish at the water surface or just below were able to be caught.

All fish sampled were moribund. F5 had a shortened opercula and F4 and F5 had small lesions on their flank. A *Caligus* was observed on F1 but no lice were observed on F2-F5.

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

#### Salmon gill poxvirus

Fish Number	Endogenous control Cp value	Cp Values			Reported result
1	21.54	26.67	26.74	26.78	POSITIVE
2	20.93	31.08	31.17	30.9	POSITIVE
3	21.53	25.12	24.81	25.1	POSITIVE
4	20.79	26.82	26.86	26.76	POSITIVE
5	20.36	27.88	27.68	27.73	POSITIVE

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

#### *Neoparamoeba perurans* (AGD)

Fish Number	Endogenous control Cp value	Cp Values			Reported result
1	21.54	28.05	28.25	28.21	POSITIVE
2	20.93	28.83	28.9	28.82	POSITIVE
3	21.53	27.67	27.57	27.35	POSITIVE
4	20.79	27.74	27.54	27.77	POSITIVE
5	20.36	25.03	24.92	25.09	POSITIVE

#### *Paranucleospora theridion*

Fish Number	Endogenous control Cp value	Cp Values			Reported result
1	21.54	26.31	26.37	26.34	POSITIVE
2	20.93	27.08	26.8	26.96	POSITIVE
3	21.53	28.58	28.62	28.65	POSITIVE
4	20.79	25.05	25.08	25.07	POSITIVE
5	20.36	20.87	21.11	21.17	POSITIVE

Gill: Filament hyperplasia and lamellar fusion moderate to marked, multifocal, filament branchitis, mild, multifocal (F1-F5) and haemorrhage and inflammatory cell infiltration (F4, F5). Presence of several amoeboid cells resembling *Neoparamoeba perurans* observed in all fish and few basophilic epithelial inclusions (likely epitheliocystis) (F1-F5). Lamellar telangiectasia with multifocal thrombosis and free blood among gill filaments (F1-F5). F1 displayed among gill filaments some structures resembling plankton.

Skin & Muscle: Mild, multifocal dermatitis (F4, F5).

Heart: Some small foci of cell infiltration (F2, F3, F5). Mild epicarditis (F2).

Gut and pyloric caeca: Peritonitis, mild (F2, F3, F5), cell sloughing (potentially associated with post-mortem artefacts) (F4, F5).

A [Fish Health Inspectorate report](#) on Mowi's Poll Na Gille salmon farm in November 2022 detailed:

**Additional Case Information:**

Mortality began after a peroxide treatment (suspected AGD), reported to FHI - Wk38 (1.04% 8930 fish). Bacterial infection suspected, Rickettsia - treatment with antibiotics florfenicol, however no decrease in mortality has been observed.

Companies own health surveillance found Tenacibaculum - +ve in salmon, although no clinical sign.

Most recent slice treatment - ended 24th August 22

Lumpfish mortality since input - 155,645 - freshwater treatment in August

Wrasse Mortality since input - 9982 - background mortality

Lumpfish mortality over 75% since input in may 22:

Week of the 10th Aug 22 - 11,000

from the 1st to the 10th Aug 22 - ~46,000 - Suspected viral infection of lumpfish, flavivirus - although FW treatment was taking place.

There was an outbreak of flavivirus on site, although site manager was told this outbreak occurred in the hatchery

Lumpfish mortality by month: May 22 - 562, June - 8162, July - 15,979, August - 126067 and September - 3564.

Recent (last 4 wks) disease problems?	Y
If yes, detail:	AGD, Rickettsia.

3. Mortality records complete and correctly entered?	Y
4. Recent mortality (last 4 wks):	Wk42 - 0.34% (2872 fish), Wk43 - 1.73% (14,548 fish), Wk44 - 3.61% (29,908 fish) and Wk45 - 8.4% (67,035 fish)
5. Evidence of recent increased/atypical mortalities?	Y
If yes, facility nos/no mortality per facility/no stock per facility/reason:	
Pen 6 worst on site	
6. Any other peaks in mortality during period checked?	Y
If yes, detail: WK38 - 1.04% - Peroxide treatment	

**SUMMARY FOR INFORMATION OF SITE OPERATOR**

<b>BUSINESS NO</b>	FB0119	<b>DATE OF VISIT</b>	17/11/2022
<b>SITE NO</b>	FS0629	<b>SITE NAME</b>	Poll Na Gille
<b>CASE NO</b>	20220579	<b>INSPECTOR</b>	[REDACTED]

**Section 1: Summary**

The above site was inspected following reports of increased mortality by the farm operator. During the inspection of the worst affected pens, five fish were removed for diagnostic sampling.

Histopathology examination revealed mild, multifocal hyperplastic branchitis along with epitheliocystis (likely *Ca. Branchiomonas cysticola*) and amoebic gill disease (AGD). Mild peritonitis potentially associated with vaccine administration and mild, multifocal hepatic necrosis were also observed.

All five fish tested positive using qPCR for Salmon gill poxvirus, *Paranucleospora theridion* and *Neoparamoeba perurans* (amoebic gill disease (AGD)). F1 and F2 tested positive for *Piscirickettsia salmonis* (SRS).

## Observations

Following three weeks of increased mortality notifications above the reporting threshold which began at 1.73% and peaked at 8.4% in the third week, a site inspection was conducted and diagnostic samples taken for analysis.

Mortality removal had occurred in the morning before visual inspection of the site occurred. During inspection of the site very few moribund fish were observed. Only slow moribund fish at the water surface or just below were able to be caught.

All fish sampled were moribund and lethargic. F1 had a shortened opercula and F5 had a small lesion on its' flank. No lice were observed on any of the sampled fish.

During internal examination, all five fish had enlarged spleens and yellow pseudo-faeces was present in F1 and F3.

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

### Salmon gill poxvirus

Fish Number	Endogenous control Cp value	Cp Values			Reported result
1	19.47	27.5	27.76	27.69	POSITIVE
2	19.42	28.06	27.76	27.66	POSITIVE
3	19.34	30.71	30.71	30.46	POSITIVE
4	18.96	31.51	31.27	31.41	POSITIVE
5	19.34	25.76	25.73	25.75	POSITIVE

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

### *Neoparamoeba perurans* (AGD)

Fish Number	Endogenous control Cp value	Cp Values			Reported result
1	19.47	28.28	28.28	28.35	POSITIVE
2	19.42	26.9	26.75	26.91	POSITIVE
3	19.34	25.84	25.95	25.92	POSITIVE
4	18.96	25.42	25.44	25.54	POSITIVE
5	19.34	26.31	26.33	26.46	POSITIVE

### *Paranucleospora theridion*

Fish Number	Endogenous control Cp value	Cp Values			Reported result
1	19.47	26.26	26.77	26.18	POSITIVE
2	19.42	25.21	25.66	25.32	POSITIVE
3	19.34	27.39	27.33	27.64	POSITIVE
4	18.96	22.9	22.86	22.47	POSITIVE
5	19.34	21.75	22.11	21.95	POSITIVE

Gill: Filament hyperplasia and lamellar fusion moderate to marked, multifocal, filament branchitis, mild, multifocal (F4-F5). Presence of several amoeboid cells resembling *Neoparamoeba perurans* observed in all fish and few basophilic epithelial inclusions (likely epitheliocystis) (F1-F5). F2 also displayed some lamellar necrosis. Lamellar telangiectasia with multifocal thrombosis and free blood among gill filaments (F1-F5).

Mortality data [published by the Scottish Government on 2 August 2023](#) (which is not a comprehensive picture of mortality) details over 1.7 million mortalities reported at Mowi's salmon farms near Craobh Haven (Poll Na Gille, Port Na Cro, SW Shuna and Bagh Dail nan Ceann) since November 2017 via 79 'Mortality Event Reports'. Here are the most recent which include cases of Rickettsia, Pancreas Disease, Salmon Gill Pox Virus and Amoebic Gill Disease:

Mortality Event No	Reporting Business	Site Name	Date reported	Mort %	Explained reasons	Mort #s	Unexplained observations
MRT04084	Mowi Scotland Ltd	Bagh Dail Nan Ceann	06/07/2023	5.22	PGD	2945	The site is now on the harvest plan and aims to fallow by 28/07/2023.
MRT03998	Mowi Scotland	Poll Na Gille	07/06/2023	1.04	FW Treatment Wellboat	5116	
MRT03999	Mowi Scotland	Port Na Cro	07/06/2023	3.22	PD	4410	Site now fallow
MRT03981	Mowi Scotland Ltd	Port Na Cro	30/05/2023	3.37	PD	7428	
MRT03960	Mowi Scotland	Port Na Cro	23/05/2023	3.66	PD	8902	
MRT03940	Mowi Scotland	Port Na Cro	16/05/2023	2.84	PD	7120	
MRT03927	Mowi Scotland	Port Na Cro	10/05/2023	1.13	PD	2853	
MRT03919	Mowi Scotland	Port Na Cro	04/05/2023	1.03	PD	2861	
MRT03612	Mowi Scotland Ltd	Bagh Dail Nan Ceann	09/12/2022	6.09	Rickettsia	35849	
MRT03589	Mowi Scotland Ltd	Bagh Dail Nan Ceann	01/12/2022	17.88	Rickettsia	128114	Rickettsia, Salmon gill pox virus, AGD and Paranucleospora theridion confirmed on site 23/11/2022 by Marine Scotland
MRT03590	Mowi Scotland Ltd	Poll Na Gille	01/12/2022	8.19	Rickettsia	51775	Rickettsia, Salmon gill pox virus, AGD and Paranucleospora theridion confirmed on site 23/11/2022 by Marine Scotland
MRT03591	Mowi Scotland Ltd	Port Na Cro	01/12/2022	2.4	Bath Treatment Mortality (H2O2)	5078	
MRT03562	Mowi Scotland	Bagh Dail Nan Ceann	23/11/2022	16.99	Rickettsia	148460	
MRT03563	Mowi Scotland	Poll Na Gille	23/11/2022	13.49	Rickettsia	98591	

Here are the largest 'Mortality Event Reports' headed by Bagh Dail nan Ceann and Poll Na Gille with a monthly mortality rate of up to 19%:

Mortality Event No	Reporting Business	Site Name	Date reported	Mort %	Explained reasons	Mort #s	Unexplained observations
MRT03562	Mowi Scotland Ltd	Bagh Dail Nan Ceann	23/11/2022	16.99	Rickettsia	148460	
MRT03589	Mowi Scotland Ltd	Bagh Dail Nan Ceann	01/12/2022	17.88	Rickettsia	128114	Rickettsia, Salmon gill pox virus, AGD and Paranucleospora theridion confirmed on site 23/11/2022 by Marine Scotland
MRT03525	Mowi Scotland Ltd	Bagh Dail Nan Ceann	14/11/2022	12.66	Rickettsia	126650	Antibiotic treatment underway
MRT03563	Mowi Scotland Ltd	Poll Na Gille	23/11/2022	13.49	Rickettsia	98591	
MRT01319	Mowi Scotland Ltd	Bagh Dail Nan Ceann	10/10/2019	19.65	Pasteurella skyensis	92140	Harvesting out site
MRT01296	Mowi Scotland Ltd	Bagh Dail Nan Ceann	07/10/2019	10.1	Pasteurella skyensis + complex gill disease	74060	Site is being harvested out
MRT03526	Mowi Scotland Ltd	Poll Na Gille	14/11/2022	8.4	Rickettsia	67034	Antibiotic treatment scheduled
MRT03502	Mowi Scotland Ltd	Bagh Dail Nan Ceann	08/11/2022	4.21	Rickettsia	53309	
MRT03590	Mowi Scotland Ltd	Poll Na Gille	01/12/2022	8.19	Rickettsia	51775	Rickettsia, Salmon gill pox virus, AGD and Paranucleospora theridion confirmed on site 23/11/2022 by Marine Scotland
MRT01348	Mowi Scotland Ltd	Poll na Gille	23/10/2019	10.11	Anaemia, suspected Pasteurella skyensis	49795	Site due to be fallow by end of October

In terms of exact mortality numbers of dead farmed salmon, it has been impossible to publicly state the full figure for the last decade since Salmon Scotland (then the Scottish Salmon Producers Organisation) [lobbied in 2013 against disclosure arguing that it would be ‘commercially damaging’](#). However, it is possible to at least guesstimate the scale of mortalities at Mowi’s Poll Na Gille salmon farm based upon the publicly reported data that is available.

From ‘Case Information’ [published by the Scottish Government relating to an inspection of Mowi’s Poll Na Gille salmon farm in November 2022](#) we know that 697,425 farmed salmon, 7,679 lumpfish and 52,981 wrasse were swimming in the cages.

Site Details (include cleaner fish for all sections)				
Total No facilities	12		Facilities stocked	12
Species	SAL	LUM	WRA	
Age group	22 Q2	2021	Mix	
No Fish	697,425	7,679	52,981	
Mean Fish Wt	1.35kg	45 g	Mix	

Data [published by the Scottish Environment Protection Agency via the ‘Scotland’s Aquaculture’ database](#) helps us gauge the level of fish still left swimming inside Mowi’s Poll Na Gille salmon farm some eight months later in August 2023.

Data [published by SEPA in June 2023](#) reveals 20.3 tonnes of mortalities at Poll Na Gille in November 2022 with a biomass of 1,063 tonnes of farmed salmon (maximum biomass is 2,500 tonnes):

Fish Farm Monthly Biomass and Treatments Details	
Year	2022
Month	November
Submitted By	Mowi Scotland Ltd
Licence Number	CAR/L/1000800
Licence active at time of report	CAR/L/1000800
Report for Site	FFMC34 Poll na Gille
Max licensed biomass on site (tonnes)	2500
Actual biomass on site (tonnes)	1063
Biomass Exceedance (tonnes)	0
Feed (kg)	96153
Mortalities (kg)	202520.5895

Location Details	
Receiving Water	Sound of Jura
National Grid Reference	NM 7766 0819
View on Map	<a href="#">View on map</a>
Data supplied by SEPA on 01/06/2023	

Data [published by SEPA in June 2023](#) reveals 31.9 tonnes of mortalities at Poll Na Gille in December 2022 with a biomass of 1,006 tonnes of farmed salmon:

Fish Farm Monthly Biomass and Treatments Details	
Year	2022
Month	December
Submitted By	Mowi Scotland Ltd
Licence Number	CAR/L/1000800
Licence active at time of report	CAR/L/1000800
Report for Site	FFMC34 Poll na Gille
Max licensed biomass on site (tonnes)	2500
Actual biomass on site (tonnes)	1006
Biomass Exceedance (tonnes)	0
Feed (kg)	171030
Mortalities (kg)	31892.457790

Location Details	
Receiving Water	Sound of Jura
National Grid Reference	NM 7766 0819
View on Map	<a href="#">View on map</a>
Data supplied by SEPA on 01/06/2023	

Data [published by SEPA in June 2023](#) reveals the use of the [toxic organophosphate Azamethiphos](#) and 10.4 tonnes of mortalities at Poll Na Gille in January 2023 with a biomass of 1,080 tonnes of farmed salmon:

Fish Farm Monthly Biomass and Treatments Details	
Year	2023
Month	January
Submitted By	Mowi Scotland Ltd
Licence Number	CAR/L/1000800
Licence active at time of report	CAR/L/1000800
Report for Site	FFMC34 Poll na Gille
Max licensed biomass on site (tonnes)	2500
Actual biomass on site (tonnes)	1080
Biomass Exceedance (tonnes)	0
Feed (kg)	178602
Mortalities (kg)	10372.7430
Seallice Treatments Used	
Seallice Treatment Product	Quantity Used (grams)
Azamethiphos	4800

Location Details	
Receiving Water	Sound of Jura
National Grid Reference	NM 7766 0819
View on Map	<a href="#">View on map</a>
Data supplied by SEPA on 01/06/2023	

Data [published by SEPA in June 2023](#) reveals the use of the [toxic organophosphate Azamethiphos](#) at Poll Na Gille along with 8.5 tonnes of mortalities in February 2023 with a biomass of 1,226 tonnes of farmed salmon:

Fish Farm Monthly Biomass and Treatments Details	
Year	2023
Month	February
Submitted By	Mowi Scotland Ltd
Licence Number	CAR/L/1000800
Licence active at time of report	CAR/L/1000800
Report for Site	FFMC34 Poll na Gille
Max licensed biomass on site (tonnes)	2500
Actual biomass on site (tonnes)	1226
Biomass Exceedance (tonnes)	0
Feed (kg)	232483
Mortalities (kg)	8525.8560
Seallice Treatments Used	
Seallice Treatment Product	Quantity Used (grams)
Azamethiphos	2800

Location Details	
Receiving Water	Sound of Jura
National Grid Reference	NM 7766 0819
View on Map	<a href="#">View on map</a>
Data supplied by SEPA on 01/06/2023	

Data [published by the SEPA in June 2023](#) reveals the use of the [toxic organophosphate Azamethiphos](#) at Poll Na Gille along with 24.35 tonnes of mortalities in March 2023 with a biomass of 1,363 tonnes of farmed salmon:

Fish Farm Monthly Biomass and Treatments Details	
Year	2023
Month	March
Submitted By	Mowi Scotland Ltd
Licence Number	CAR/L/1000800
Licence active at time of report	CAR/L/1000800
Report for Site	FFMC34 Poll na Gille
Max licensed biomass on site (tonnes)	2500
Actual biomass on site (tonnes)	1363
Biomass Exceedance (tonnes)	0
Feed (kg)	195343
Mortalities (kg)	24350.2790
Seallice Treatments Used	
Seallice Treatment Product	Quantity Used (grams)
Azamethiphos	3600

Location Details	
Receiving Water	Sound of Jura
National Grid Reference	NM 7766 0819
View on Map	<a href="#">View on map</a>
Data supplied by SEPA on 01/06/2023	

[Note that data for April, May and June – Q2 - is not expected to be [published by SEPA](#) until October 2023 with data for July, August and September – Q3 – is not expected until January 2024]

Revisiting [Mowi's weekly data](#) there have been various spikes in mortality at Poll Na Gille – with [8.4% mortality reported the week ending 13 November 2022](#); [13.5% mortality reported the week ending 20 November 2022](#); and [8.9% mortality the week ending 27 November 2022](#):

**Mowi Scotland**  
**Adult Female Lice and Mortality Reporting**



Week Ending 13-Nov-22

Farm	Adult female lice (Average per fish) <sup>1</sup>	Weekly Mortality (%)	Site Status	Main cause of Mortality <sup>2</sup>	Treatments <sup>3</sup>
Poll Na Gille	0.00	8.40		Other bacterial infection	

**Mowi Scotland**  
**Adult Female Lice and Mortality Reporting**



Week Ending 20-Nov-22

Farm	Adult female lice (Average per fish) <sup>1</sup>	Weekly Mortality (%)	Site Status	Main cause of Mortality <sup>2</sup>	Treatments <sup>3</sup>
Poll Na Gille	-	13.49		Other bacterial infection	

**Mowi Scotland**  
**Adult Female Lice and Mortality Reporting**



Week Ending 27-Nov-22

Farm	Adult female lice (Average per fish) <sup>1</sup>	Weekly Mortality (%)	Site Status	Main cause of Mortality <sup>2</sup>	Treatments <sup>3</sup>
Poll Na Gille	-	8.19		Treatment Loss	

Weekly mortality rates at Mowi's Poll Na Gille have remained generally well below 1% since late November 2022 but started to spike again in early July 2023 with Pancreas Disease problems [identified in Week 27](#) and [Week 28](#):

**Mowi Scotland**  
**Sea Lice and Mortality Reporting**



Report for w/e 09-Jul-23 updated 19-Jul 12:22

Farm	Site Status	Adult female w/eggs	Adult female w/o eggs	Adult male	Mobile	Weekly Mortality (%)	Main cause of Mortality <sup>1</sup>	Treatments <sup>2</sup>
Poll Na Gille		0.20	0.25	3.15	4.15	1.07	PD	

**Mowi Scotland  
Sea Lice and Mortality Reporting**



Report for w/e 16-Jul-23 updated 24-Jul 10:39

Farm	Site Status	Adult female w/eggs	Adult female w/o eggs	Adult male	Mobile	Weekly Mortality (%)	Main cause of Mortality <sup>1</sup>	Treatments <sup>2</sup>
Poll Na Gille		0.45	0.35	2.50	3.10	1.93	PD	Taking place

Another data set – [published monthly by Salmon Scotland](#) – provides further information on mortalities at Mowi’s Poll Na Gille salmon farm which reported [1.6% mortality in June 2023](#) (data was published on 1 August 2023 and July 2023 data is not expected until early September 2023 with August 2023 data not expected until early October 2023); [1.6% in May 2023](#); [1.2% in April 2023](#); [2.2% in March 2023](#); [0.8% in February 2023](#); [2.1% in January 2023](#); [3.3% in December 2022](#); and a [staggering 30% mortality in November 2022](#).



**Lice & Survival Reports**

The Scottish salmon farming sector takes a long-term view of ensuring that fish health and survival improve and that Scotland can lead in fish health status.



**Monthly Mortality Rate:  
June 2023**

Published: August 1st, 2023

DOWNLOAD



**Monthly Mortality Rate:  
May 2023**

Published: July 1st, 2023

DOWNLOAD



**Monthly Mortality Rate:  
April 2023**

Published: June 1st, 2023

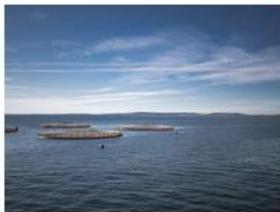
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**Monthly Mortality Rate:  
March 2023**

Published: May 1st, 2023

DOWNLOAD



**Monthly Mortality Rate:  
February 2023**

Published: April 1st, 2023



**Monthly Mortality Rate:  
January 2023**

Published: March 1st, 2023



**Monthly Mortality Rate:  
December 2022**

Published: February 1st, 2023



**Monthly Mortality Rate:  
November 2022**

Published: January 1st, 2023

If Mowi's Poll Na Gille salmon farm had ca. 400,000 farmed salmon on site in early August 2023 ([697,425 farmed salmon were reported on site on 17 November 2022](#) but 30% were wiped out in November 2022 alone) with a biomass of 2,500 tonnes (the [maximum biomass permitted by SEPA](#)) then a conservative estimate of mortalities over the last month is over 10% of the stock which could be over 250 tonnes of farmed salmon ([mortalities were 6.14% in Week 30](#) and [4.88% in Week 31](#)) and perhaps the entire stock of cleanerfish (7,679 lumpfish and 52,981 wrasse were [reported on site in November 2022](#)).

Data on mortalities – exceeding the 1% threshold – for August 2023 will probably be reported by the Scottish Government's Fish Health Inspectorate in September 2023 [online here](#).



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Publication - Transparency data

## Fish Health Inspectorate: mortality information

Last updated: 14 August 2023 - [see all updates](#)  
Directorate: [Marine Directorate](#)  
Part of: [Marine and fisheries](#)

Under a voluntary agreement with Scottish Government, Aquaculture Production Businesses (APB) report instance of mortality above specified thresholds. Reports are used as part of the wider aquatic animal health surveillance programme to direct further investigations as required.

The following limitations must be considered in relation to the published information:

- the information presented is not a comprehensive record of fish farm mortality but only details situations where the mortality reporting thresholds have been reached and where this information has been reported to Marine Scotland by the industry or where information has been obtained through FHI surveillance

### Information to download

- mortality information - correct at the time of data extraction - 2 August 2023



[Mortality information - until end June 2023](#)  
Excel document | 710.1 kB

[5] Read more on mass mortalities on salmon farms in Scotland via:

[The Observer: "Scottish salmon farms facing boycott call as fish deaths double"](#)  
[64% Mortality at RSPCA Assured Scottish Sea Farms in Loch Nevis - as sold by M&S as "responsibly sourced"?!?](#)  
[74% Mortality Reported by RSPCA Assured Scottish Sea Farms \(Supplier to M&S\) in Loch Nevis!](#)  
[Remembrance Day Plea for the Millions of Farmed Salmon Killed in Scotland Every Year](#)  
[3 million Scottish Salmon Die Inside RSPCA Assured Feedlots in September?!](#)  
[8,000 tonne shortfall for Scottish Sea Farms \(Norskott Havbruk\) due to "biological challenges"!](#)  
[Record Death Rates Plagues Salmon Farms Across Scotland!](#)  
[Annus Horribilis Salmonis: Mowi's "Troublesome Year" in Scotland - 22% fall in production!](#)  
[Bakkafrost's Scottish Salmon Nightmare Gets Worse with 10,000 Tonne Black Hole in Scotland!](#)  
[Death Stalks Scottish Salmon - Rising Mortalities Plague RSPCA Assured & ASC-Certified Sites!](#)  
[21% Mortality at Mowi's ASC-Certified & RSPCA Assured Marulaig Bay & Rum in ONE WEEK!!!](#)  
[Abominable Salmon Certification - the Aquaculture Stewardship Council is Sponsoring Serial Killing in Scotland!](#)  
[Scottish Scamon: Piscine Reovirus, skin lesions/boils & "hanging" salmon in Loch Creran \(sold by M&S as "responsibly sourced" & certified via RSPCA Assured\)!](#)  
[RSPCA Assured Scottish Salmon Infested with 50 Lice, Poxvirus, Necrosis, Lesions & Myocarditis!](#)  
[Salmon Hell on 'God's Island' - Mass Mortalities Pile Up \(Again\) at RSPCA Assured Bakkafrost off Isle of Gigha!](#)  
[Greenwashing by the ASC - you can't polish a turd but you can roll it in glitter!](#)  
[New Survey Lifts Lid on Falling Production & Rising Mortalities on 'Scottish' Salmon Farms!](#)  
[Death Deflation: 13 Million Morts On Scottish Salmon Farms in 2021 - More Like 22 Million \(& maybe 50 million if you add freshwater\)!](#)  
[Named & Shamed: The Most Deadly Salmon Farms in Scotland \(as greenwashed as "responsible" via RSPCA Assured & the ASC\)!](#)  
[Halloween Comes Early at Deadly Scottish Salmon - mortalities pile up due to viral disease, fungus, gill infections & lice infestations!](#)  
[Death Rates Soar at Salmon Farms \(according to data published by Salmon Scotland\)](#)  
[Press Release: "Year of the Dead Salmon: Scottish Salmon Plagued by Mass Mortality Problems"](#)  
[Media Backgrounder: Year of the Dead Salmon - Bakkafrost Scotland is the King of Death!](#)

[6] The ['Scottish Fish Farm Production Survey 2021'](#) published in October 2022 estimates 2022 salmon farming production at 189,693 tonnes which would represent an 8% fall (over 15,000 tonnes less than in 2021) and on a par with production back in 2017:

**Table 24:** Annual production of salmon (tonnes) 2001-2021 and projected production in 2022

Year	Tonnes	Percentage difference	Year	Tonnes	Percentage difference
2001	138,519	7	2012	162,223	3
2002	144,589	4	2013	163,234	1
2003	169,736	17	2014	179,022	10
2004	158,099	-7	2015	171,722	-4
2005	129,588	-18	2016	162,817	-5
2006	131,847	2	2017	189,707	17
2007	129,930	-1	2018	156,025	-18
2008	128,606	-1	2019	203,881	31
2009	144,247	12	2020	192,129	-6
2010	154,164	7	2021	205,393	7
2011	158,018	3	2022	189,693*	

\*Industry estimate of projected tonnage based on stocks currently being on-grown.

[7] Fish Farmer magazine [reported in August 2023](#):

UNITED KINGDOM NEWS



## Vision paper sets out aspirations for Scotland's aquaculture



- Its environmental impact is within acceptable limits, with continual progress to minimise that impact through innovation, research and development.
- The aquaculture sector collaborates with other stakeholders to protect and restore biodiversity in the freshwater and marine environment.
- High standards for farmed animal health and welfare are a priority, maintaining Scotland's high health status and declared freedom from listed fish and shellfish diseases.
- Development happens in the right places, underpinned by an effective and efficient regulatory framework informed by the best available science and evidence.

THE Scottish Government has set out its long-awaited Vision for Sustainable Aquaculture, setting out environmental, economic and social aims for the sector.

The document, which had been expected at the end of last year, was launched by Mairi Gougeon, Cabinet Secretary for Rural Affairs, Land Reform and Islands at Kames Fish Farming's site at Loch Melfort, Argyll on 20 July.

In her foreword, Mairi Gougeon states: "Aquaculture has a crucial role to play in contributing to our food security and



The document refers to a number of initiatives already announced and underway, including the review of the consenting process being carried out by the Consenting Task group following the Griggs report; delivering on the Scottish Government's commitments made to the Salmon Interactions Working Group; and revising the Technical Standard for Scottish Finfish Aquaculture, with a view to achieving zero escapes.

**idom news**

# United King

meeting our commitment to becoming a Good Food Nation, producing healthy, nutritious food, with a greenhouse gas emissions profile that is lower than many other farmed sources of animal protein, for people in Scotland and around the world.”

She notes that the Scottish aquaculture sector and its supply chain supported an estimated 11,700 jobs in the Scottish economy and generated £885m GVA (gross value added) in 2018.

The Vision sets out aspirations for the aquaculture sector and a blueprint for where it should be by 2045 – but without stating any targets for growth, or on for the sector’s economic contribution should be by that date. It explicitly links the objectives for aquaculture to the Blue Economy Vision published last year.

- The Vision for Aquaculture also states that the following should be true of the Scottish industry by 2045:

**This page from top:** Scottish fish farm; Tavish Scott, CEO Salmon Scotland; Label Rouge salmon in Paris; Mairi Gougeon (L) with Kames’ Cate Cannon  
**Opposite:** Seaweed harvest, SAMS

- Its produce makes a significant contribution to Scotland’s reputation for premium food and drink.

- Our communities are supported through the provision of highly skilled employment opportunities, access to healthy local foods and other lasting benefits.



The Vision commits to “streamlining” the marine and freshwater planning and consenting system, improving spatial planning tools and ensuring an “efficient, effective and transparent”

system “...with alignment between all regulatory processes”.

It also says the Scottish Government will encourage exploring the potential for offshore development, within three



and 12 nautical miles. It will also encourage the “redevelopment of farms where there is no planned production into alternative forms of aquaculture, other marine sector development, or returning the farm site to the wild.”

The Vision commits government, among other things, to improving port and harbour infrastructure; improving housing stock in rural and island areas; ensuring access to high-speed broadband; attracting inward investment; identifying new market opportunities; promoting organic aquaculture; improving water quality in shellfish producing areas; improving productivity for shellfish; and introducing a Code of Good Practice for seaweed production.

It also talks about building resilience by increasing the domestic supply of fish ova, shellfish spat and seaweed seed, and exploring opportunities to diversify the species farmed in Scotland.

In her foreword, Mairi Gougeon says: “Aquaculture depends on Scotland’s natural capital and the communities within which the sector operates. It must operate within environmental limits, to ensure that our waters are clean and safe, supporting healthy and diverse flora and fauna. As we respond to the twin crises of climate change and nature loss, we envisage a sector that leads the world through the responsible and sustainable ways in which it operates, delivering significant and lasting socio-economic benefits for Scotland and for the communities that host aquaculture businesses.”

The document makes it clear that the



Photo: Arabella O’Dell SAMS

industry will need to show that it can help to preserve and enhance biodiversity and the marine environment, as well as benefiting local communities and the wider economy.

It also pledges “protecting and improving the ability of communities to meaningfully contribute to aquaculture planning and consenting”, an objective which may lead to tension with the aim of streamlining the consent process.

Welcoming the document, Tavish Scott, chief executive of Salmon Scotland, said: “We welcome this vision which puts salmon farming at the heart of the country’s economic growth plans, helping Scotland’s journey to net zero and supporting healthy diets.

“The blue economy has the potential to both increase food security at home and feed the

growing global population.

“Scotland is uniquely placed to lead the way in the drive for the sustainable use of the oceans and seas, while conserving our shared environment for future generations.

“Like all sectors, we face challenges from issues ranging from climate change to Brexit to rampant inflation, but by working together with government we can continue to grow a low carbon, highly nutritious food that sustains thousands of jobs and ensures our rural communities can thrive.”

Following her visit to Loch Melfort, Mairi Gougeon said: “I was delighted to visit Kames Scotland and to learn more about its focus on the future and sustainability. It was interesting to learn about Kames’ Future50 programme and their planned investment into their business, community and local environment. We have many examples in Scotland of what aquaculture brings to Scotland’s economy now, and can do in the future – Kames Scotland shows the role Scottish, family owned businesses can play.”

Andrew Cannon, MD of Kames, commented: “We hope this vision document triggers action, further than just words, within the industry. We are proud to be a Scottish owned, award-winning family company, but we need support to keep the innovation and diversity that SMEs like us bring to the table alive, alongside economic growth. The vision supports this view, and we look forward to seeing the action to come and more innovation and diversity in Aquaculture.”



# A vision for the future of salmon farming

Salmon Scotland chief executive **Tavish Scott** reacts to the publication of the Scottish Government's new vision for sustainable aquaculture

**W**e are ambitious for the future of Scottish aquaculture.”  
The opening remarks from Rural Affairs Secretary Mairi Gougeon in the Scottish Government's new “Vision for Sustainable Aquaculture” are a welcome start.

We're fortunate that most politicians continue to recognise the contribution of our sector and remain firmly on our side. This isn't simply a given – it requires a lot of engagement and information-sharing to combat the disinformation spread by a minority of activists and opponents.

We contributed to the government's vision and it's encouraging to see the huge benefits of salmon farming in the final document.

As the introduction states: “Aquaculture has a crucial role to play in contributing to our food security and meeting our commitment to becoming a Good Food Nation, producing healthy, nutritious food, with a greenhouse gas emissions profile that is lower than many other farmed sources of animal protein, for people in Scotland and around the world”.



Salmon farming is about much more than jobs, but the vision also recognises our economic contribution, with farms directly employing 2,500 people and supporting more than 3,600 suppliers, with a further 10,000 jobs dependent on the sector.

We should never tire of reminding people that, as well as being the UK's largest food export, Scottish salmon generates £760m for the local economy every year and makes up 9.4% of the entire marine economy, ahead of fisheries at 7.3%.

So this vision rightly puts salmon farming at the heart of the country's economic growth plans, helping Scotland's journey to net zero and supporting healthy diets.

I'm a strong proponent of the blue economy, which has the potential to both increase food security at home and feed the growing global population.

Scotland is uniquely placed to lead the way in this drive for the sustainable use of the oceans and seas, while conserving our shared environment for future generations.

Like all sectors, we face challenges from issues ranging from climate change to Brexit to rampant inflation. It's only by working with government that we can continue to grow a low-carbon, nutritious food that sustains thousands of jobs and ensures rural communities can thrive.

Of course, the government's new vision isn't a perfect document.

We believe it could have gone further to really map out the scale of ambition and opportunity to secure our place at the top of global aquaculture, with more detailed targets on what the nation wants to achieve and how to deliver it.

”

This vision rightly puts salmon farming at the heart of the country's economic growth plans

Left: Label Rouge Scottish salmon  
Opposite: Fish farming pens

Our own vision is for an aquaculture sector that grows, develops and thrives, led by science and evidence. Our sector can provide significant economic benefit, not just in the areas where we farm, but for the whole of Scotland through the supply chain and the income we generate.

We must be a good neighbour to other marine users and an excellent steward of the environment, respecting the biodiversity in our seas and lands, and operating in the most sustainable and responsible way.

This can be achieved while ensuring we're globally competitive, because we need to retain and build on our existing international market share.

We must continue to innovate, investing in research and development to remain at the cutting edge of responsible aquaculture.

It's difficult to predict what aquaculture will look like in the decades to come. There will certainly be more technology involved, however, with the rise of AI and automation.

We may see some semi-closed or closed containment, but the majority of fish will still be grown in the Scottish waters, which gives us that edge over other countries.

We'll have to address the climate change challenge, though. Low rainfall leading to drought and rising seawater temperatures warming our oceans are affecting all food production across the globe.

The Scottish salmon sector is resilient to climate change, but we aren't complacent and we recognise the need to do more now to ensure security of supply in future decades.

Salmon has one of the lowest carbon footprints of any farm-raised animal, so our sector is crucial to reduce emissions and help the climate.

Warmer waters promote natural growth, so with careful management, combined with strategies (post-smolt/robust smolt, which reduce the time salmon spend at sea), salmon farmers are working to reduce the marine phase to a one-summer season.

This means salmon will have less exposure to the natural challenges that come with raising salmon in the sea and has the potential to maintain and increase our already high survival rates.

Our sector will also need continued support from government in the years ahead. That means no policies that hold back sustainable growth, such as highly protected marine areas, which have been shelved for now.

It means a pro-business attitude in government and reform so that we can better support the coastal communities where we operate.

As we've repeatedly highlighted, the licensing programme for salmon farms is lengthy and there are several regulatory bodies involved in the process.

If the system is more streamlined, as recommended by Professor Russel Griggs in his independent review, we can deliver the responsible and sustainable growth needed to continue creating vital jobs in the Highlands and Islands, generating millions for Scotland's economy.

We also remain determined to improve housing availability so that we can provide sustainable growth in the areas where we farm.

We are calling for Scottish Government reform to ensure that around £10m is reinvested in rural communities, with a particular focus on housing.

And at the UK level, we want to see a more enlightened approach to the movement of labour into the UK, including a change to key worker definitions, changes to the salary cap level and a broader public signal that the UK is open to people coming here to work.

So while it's great to have such strong government support for our sector, there's still a huge amount of work to do to ensure we can deliver the responsible growth that enables investment, creates jobs and secures our share of the global market.

*For more, see the news section from page 6. ●*