

# SCOTTISH SALMON WATCH



## SUPERMARKETS

Advertising Standards Authority  
Castle House  
37-45 Paul Street  
London  
EC2A 4LS  
[enquiries@asa.org.uk](mailto:enquiries@asa.org.uk) and [davidb@ASA.Org.UK](mailto:davidb@ASA.Org.UK)

19 November 2021

### Complaint Vs Mowi's 'Responsibly Farmed' Scottish Salmon from Sainsbury's & Tesco

Please consider this a [formal complaint](#) against Mowi's 'Responsibly Farmed' Scottish salmon – sold by Sainsbury's and Tesco's across the UK and [advertised and marketed online](#).



Scottish Salmon Watch and Animal Concern attach hard evidence here in support of the view that Mowi's Scottish salmon is irresponsibly not responsibly farmed.

Scottish Salmon Watch has also filed complaints against Aldi, ASDA, Lidl, Marks & Spencer, Morrisons, Sainsbury's, Tesco and Waitrose with the Competition and Markets Authority and Trading Standards:

[Letter to CMA & Trading Standards dated 19 November 2021](#)

[Hard Evidence Vs 'Responsibly Farmed' & 'Responsibly Sourced' Scottish Salmon](#) (November 2021)

Scottish Salmon Watch contacted the advertiser (Sainsbury's) on 13 October 2021 but there has been no reply:

**From:** Don Staniford <[salmonfarmingkills@gmail.com](mailto:salmonfarmingkills@gmail.com)>

**Sent:** 13 October 2021 13:45

**To:** [press\\_office@sainsburys.co.uk](mailto:press_office@sainsburys.co.uk)

**Subject:** Question re. Mowi's "Responsibly Farmed" Scottish salmon advertised & marketed by Sainsbury's

Could you please provide information justifying the advertising and marketing claim that Mowi's Scottish salmon - as sold by Sainsbury's - is "Responsibly Farmed"?

Mowi's Scottish salmon products are marketed and advertised by Sainsbury's as "Responsibly Farmed":



Online via:

<https://www.sainsburys.co.uk/gol-ui/product/mowi-signature-piri-piri-slow-roast-scottish-salmon-fillets-x2-180g>

<https://www.sainsburys.co.uk/gol-ui/product/mowi-scottish-salmon-fillets-230g>

<https://www.sainsburys.co.uk/gol-ui/product/mowi-smoked-scottish-salmon-slices-x4-100g>

Other Scottish salmon products are marketed and advertised by Sainsbury's as "responsibly sourced":

<https://www.sainsburys.co.uk/gol-ui/product/sainsburys-honey-roast-salmon-portions-180g>

Specific information corroborating Sainsbury's advertising and marketing claims would be much appreciated.

I look forward to information within a week.

[As of 11 November 2021, Sainsbury's have still not replied]

Mowi's 'Responsibly Farmed' Scottish salmon is also [widely advertised on Facebook](#):



**Mowi Scotland**

March 24 · 🌐

Follow

MOWI salmon is 100% Scottish and now available in selected Sainsbury's stores across the UK.

Find our products in a store near you 📍

[www.mowisalmon.co.uk](http://www.mowisalmon.co.uk)



**MOWI salmon is 100% Scottish and now available in selected Sainsbury's stores across the UK. Find our products in a store near you 📍 [www.mowisalmon.co.uk](http://www.mowisalmon.co.uk)**

Like Comment Share

39 · 885 Views

A concerned supporter also emailed (20 October 2021) to say they had watched a misleading advert on TV (on Sky and ITV) for Mowi's Scottish salmon – here's [an advert available online for Mowi's Scottish salmon which includes the "responsibly farmed" advertising on the packaging.](#)



Here's a Mowi Scottish salmon product [advertised online by Tesco](#):

**TESCO**

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Home > Fresh Food > Chilled Fish & Seafood > Salmon & Trout >

**NEW**

**3+**  
days

**MOWI** **SCOTTISH**  
Salmon Fillets

Use by 230g | Individually hand selected, our restaurant style portions are even easier to cook exactly the way you like it.  
Keep refrigerated between 0 to 5°C

**Mowi 2 Scottish Salmon Fillets 230G**

★★★★★ 5 (7)  
[Write a review >](#)

**£ 4.50** £19.57/kg

The [product description includes the claim](#) “responsibly farm raised” and that Mowi is a company associated with “responsible farming”:

## Product Description

2 Scottish Salmon Fillets

Fresh Scottish Salmon - nutritious and beautifully prepared

Individually hand selected and cut, our restaurant style portions are even easier to cook the way you like it.

High in Omega 3: Each portion typically has 2,132mg of Omega 3 fatty acids of which half (1,107mg) are DHA and EPA. Eating 250mg of EPA and DHA Omega 3 fatty acids every day contributes to the normal function of the heart.

We ensure every fillet of MOWI salmon is high in Omega 3. The Omega symbol is in our name.

Pioneer responsible farming excellence since 1964

The MOWI salmon in this product is responsibly farm raised and packed with care in Scotland (UK).

RSPCA Assured - Certification Mark, The salmon in this product is from a producer inspected to RSPCA welfare standards by the RSPCA's independently certified farm assurance scheme.

Another Mowi salmon product [advertised online by Tesco](#) includes the claim “responsibly farmed”:

**TESCO**

Search

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[Home](#) > [Fresh Food](#) > [Chilled Fish & Seafood](#) > [Salmon & Trout](#) >



## Mowi 4 Smoked Scottish Salmon Slices 100G

★★★★★ 4.8 (16)

[Write a review >](#)

**£ 5.00** £5.00/100g

RSPCA Assured - Certification Mark, The salmon in this product is from a producer inspected to RSPCA welfare standards by the RSPCA's independently certified farm assurance scheme.

Responsibly Farmed

Both Animal Concern and Ecohustler have also raised concerns directly with Marks & Spencer over their advertising claims.

**From:** Don Staniford

**Sent:** 20 September 2021 12:24

**To:** [Steven.Mclean@marks-and-spencer.com](mailto:Steven.Mclean@marks-and-spencer.com)

**Cc:** [steve.rowe@marks-and-spencer.com](mailto:steve.rowe@marks-and-spencer.com); [food.pressoffice@marks-and-spencer.com](mailto:food.pressoffice@marks-and-spencer.com)

**Subject:** "Responsibly Sourced Scottish Salmon" - justification?

Steven,

Could M&S please provide justification for your in-store advertising claims that your Scottish salmon is “responsibly sourced”?

This photo was taken in M&S in Fort William on 5th September 2021:



Similar advertising claims re. M&S’s “responsibly sourced” Scottish salmon are made online via:

<https://www.ocado.com/products/m-s-scottish-skin-on-salmon-fillets-518184011>

<https://www.ocado.com/products/m-s-scottish-salmon-fillet-joint-skin-on-520580011>

<https://www.facebook.com/MarksandSpencer/posts/all-ms-fish-is-responsibly-sourced-and-our-farmed-salmon-is-100-scottish-so-when/10157847196168612/>

<https://www.facebook.com/111976040495431/photos/all-our-fresh-salmon-is-scottish-and-is-only-sourced-from-ms-select-farms-we-kno/123114016048300/>

<https://www.youtube.com/watch?v=uvHDztBCtyg>

I understand that Ecohustler has raised environmental, welfare and sustainability concerns with you directly via:

<https://ecohustler.com/culture/the-salmon-dance-mands-petition-hand-in-event>  
<https://ecohustler.com/technology/reply-from-mands-on-factory-farmed-salmon>  
<https://ecohustler.com/technology/open-letter-to-marks-and-spencer-on-salmon>

And over 115,000 people have signed a petition asking M&S to stop labelling unsustainable salmon as ‘responsibly sourced’:

<https://you.38degrees.org.uk/petitions/come-clean-about-the-damage-caused-by-your-farmed-salmon>

M&S’s Scottish salmon supplier (I understand your sole salmon supplier) Scottish Sea Farms has featured in various video exposes which undermine M&S’s “responsibly sourced” claim with respect to fish welfare:

<https://donstaniford.typepad.com/my-blog/2021/05/rspca-suspends-spelve-salmon-farm-urgently-investigates-ms-supplier-scottish-sea-farms-.html>  
<https://donstaniford.typepad.com/my-blog/2021/05/herald-on-sunday-scottish-ms-supplier-blames-seals-for-salmon-wounds-as-rspca-assured-status-is-susp.html>  
<https://www.ciwf.org.uk/news/2021/03/murky-depths-of-the-scottish-salmon-industry-exposed-in-new-undercover-investigation>  
<https://donstaniford.typepad.com/my-blog/2020/12/bbc-countryfile-features-lice-infested-rspca-assured-salmon-.html>  
<https://www.heraldscotland.com/news/18836582.scottish-salmon-found-sickening-conditions-across-scotland-sea-lice-problem-escalates/>  
<https://donstaniford.typepad.com/my-blog/2020/10/in-july-2020-scottish-salmon-watch-filmed-inside-salmon-cages-at-the-scottish-salmon-company-in-loch-striven.html>

Not to mention diseases, viruses and mortality issues:

<https://donstaniford.typepad.com/my-blog/2021/08/breaking-news-isa-reported-at-rspca-assured-scottish-sea-farms-on-the-isle-of-mull.html>  
<https://donstaniford.typepad.com/my-blog/2021/08/damning-disease-report-for-scottish-sea-farms-in-loch-spelve-.html>  
<https://donstaniford.typepad.com/my-blog/2021/04/update-mortality-rate-over-36-at-rspca-assured-scottish-sea-farms-.html>  
<https://donstaniford.typepad.com/my-blog/2020/02/the-culling-farms-new-case-information-from-the-scottish-government-.html>  
<https://donstaniford.typepad.com/my-blog/2020/02/photo-dossier-of-diseased-deformed-abused-scottish-salmon.html>  
<https://donstaniford.typepad.com/my-blog/2021/06/ms-drop-lochmuir-fake-brand-in-favour-of-rspca-assured-out-of-the-frying-pan-into-the-fire.html>

And the killing of seals:

<https://donstaniford.typepad.com/my-blog/2021/02/scottish-salmons-1-seal-killer-norways-scottish-sea-farms-named-shamed.html>

And even whales:

[https://donstaniford.typepad.com/scottish\\_salmons\\_seal\\_kil/2014/07/salmon-farming-kills-whales.html](https://donstaniford.typepad.com/scottish_salmons_seal_kil/2014/07/salmon-farming-kills-whales.html)

As you know, before a complaint can be filed with the ASA an opportunity to justify the advertising claims must be given to the advertiser. Hence, could you please provide evidence that your Scottish salmon is “responsibly sourced” or withdraw your advertising claims.

Your blog dated 4 December 2020 claims via

<https://corporate.marksandspencer.com/stories/blog/what-makes-m-and-s-salmon-responsibly-sourced>

“It’s my team’s responsibility to ensure that our salmon is always sourced responsibly and central to that is our leading Select Farms standards together with our long-standing partnership with our supplier Scottish Sea Farms. Although there are many farms operated by Scottish Sea Farms across Scotland, at M&S we only source from a handful of dedicated farms that are exclusive to our business—meaning we know and trust our Select Farmers to meet our high standards.....But we know there’s always more to be done. Because of our incredibly strong relationship with Scottish Sea Farms, we’ll continue working collaboratively to keep on improving our standards, so that our customers can trust that M&S salmon has always been, and always will be, sourced responsibly.”

In your reply, could you please expand on how M&S Scottish salmon is always “responsibly sourced”?

From the recently published photos from a Scottish Government inspection of M&S’s ‘RSPCA Assured’ Loch Spelve salmon farm in May 2021 it does not appear that your advertising claims are correct:





Photos via <https://donstaniford.typepad.com/my-blog/2021/08/damning-disease-report-for-scottish-sea-farms-in-loch-spelve-.html>

Further information to corroborate your advertising claims is therefore much appreciated.

Thanks,

Don Staniford  
Campaigns Manager, Animal Concern

In April 2021, Ecohustler [submitted an online complaint to the ASA against Marks & Spencers' claims of "responsible" salmon.](#)

MAGAZINE | SHOP

ecohustler

TECHNOLOGY SPONSORED NATURE CULTURE

CULTURE

## Submit a complaint to the ASA about dodgy M&S salmon ads

 Team Ecohustler • 15th April 2021 • 2 min read

Share •    

If you object to corporations marketing harmful products as "responsible", please step up



Have you seen these glossy new M&S ads for factory farmed salmon?

We just submitted complaints to the ASA. If you feel the same and are pushed for time, please consider using the templates below. The more of us that complain the more chance we have of getting these ads taken down and for positive changes to be made to this toxic industry. Thank you!

You can make your complaint here: <https://www.asa.org.uk/make-a-complaint.html> (5 minutes)

## Advert 1



The advert goes on to say that the salmon are raised in a "responsible way." M&S wants us to believe that farmed salmon is a "responsible" alternative to wild fish. In reality, salmon farms rely on catching vast quantities of wild fish to feed the caged animals. Recent investigations have found this to be driving over-fishing and endangering ecosystems as far away as South American and Africa. It takes up to 200 wild fish to raise one farmed salmon. When we know that ocean ecosystems are collapsing from overfishing... How is this responsible?

It is understood that the ASA did not even reply to Ecohustler's complaint and no ruling can be found [online](#).

The issue of "responsibly sourced" claims was raised by Animals Concern with the ASA back in July 2021:

**From:** [john@jfrobins.force9.co.uk](mailto:john@jfrobins.force9.co.uk) <[john@jfrobins.force9.co.uk](mailto:john@jfrobins.force9.co.uk)>

**Sent:** 21 July 2021 03:46

**To:** '[enquiries@asa.org.uk](mailto:enquiries@asa.org.uk)' <[enquiries@asa.org.uk](mailto:enquiries@asa.org.uk)>

**Subject:** Use of phrase "responsibly sourced".

Advertising Standards Authority  
Castle House, 37-45 Paul Street  
London EC2A 4LS

Dear Sir or Madam,

I am hoping you can help me determine whether or not there is a legal or accepted definition of the phrase "Responsibly Sourced".

In 2019 I persuaded the last retailer (the Co-op) describing salmon farmed in Scotland as "Sustainably Farmed" to stop using the term sustainable when referring to salmon farmed in Scotland as then and now there are no farms in Scotland producing salmon which can be described as sustainably produced.

Many retailers have now started using putting the phrase "Responsibly Sourced" on their packaging and promotional material for salmon farmed in Scotland. Scottish Government figures, based on information supplied by salmon farmers, show that millions of fish die of disease or injury on salmon farms every year. Parasites are a major problem on many farms and huge numbers of fish are literally eaten alive by sealice which can also cause mortalities in wild fish in the vicinity of the farms. It galls me to see salmon from these farms marketed as "Responsibly Sourced".

Do you have a definition or standard that must be met before an advertiser can use the phrase "Responsibly Sourced"?

Yours faithfully,

John F. Robins,  
Animal Concern

**From:** David Barber <[davidb@ASA.Org.UK](mailto:davidb@ASA.Org.UK)>  
**Sent:** 06 August 2021 09:25  
**To:** '[john@jfrobins.force9.co.uk](mailto:john@jfrobins.force9.co.uk)' <[john@jfrobins.force9.co.uk](mailto:john@jfrobins.force9.co.uk)>  
**Subject:** RE: [External] Use of phrase "responsibly sourced".

Dear Mr Robins,

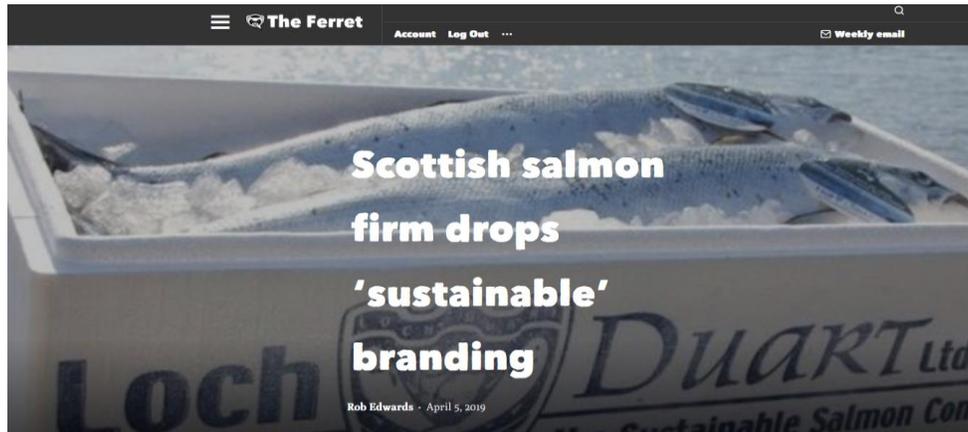
Thanks for your email and I'm sorry for the delay in getting back to you.

We don't have a definition for the term "Responsibly Sourced", in these situations we would assess any ad based on the context and product it was used for. If you have any concerns about the use of the term in a company's advertising please feel free to submit a complaint for assessment.

Yours sincerely,

**David Barber**  
**Complaints Executive**  
Direct line 020 7492 2140

We note that [in 2019 the ASA intervened informally against the use of the word ‘sustainable’ when advertising Scottish salmon.](#)



**A leading Scottish salmon farming company has stopped branding its business as “sustainable”, according to the UK advertising watchdog.**

Loch Duart, which farms fish in Sutherland and the Outer Hebrides, used to market itself as “the sustainable salmon company”. But it has told the Advertising Standards Authority (ASA) that it is no longer using the label.

Campaigners are now calling on other fish farming firms and public agencies to abandon claims of sustainability for the industry. Pollution, toxic chemicals and the risks to wild fish make fish farming “inherently unsustainable”, they say.

In February an anti-fish-farming blogger, Fishy Business, complained to the ASA about an image on Loch Duart’s website describing the company as sustainable. The complaint cited evidence suggesting that this was inaccurate because of the environmental damage caused by salmon farms.

In response the ASA said the complaint was “valid” and asked Loch Duart to make changes. “The advertiser explained that they had stopped using the term “sustainable” but that this image had not been removed,” said ASA’s complaints executive, Celia Howarth.

“They have now provided their assurance they will change this image to ensure the wording is removed.”

Because Loch Duart promised to stop claiming to be sustainable, the ASA decided to close the case without launching a formal investigation. Loch Duart was listed by the ASA on 3 April as a complaint that had been “informally resolved”.

Here's the ASA's confirmation that the advertiser (Loch Duart) had removed the word "sustainable" after the complaint by Fishy Business:

From: **Celia Howarth** celiah@ASA.Org.UK  
Subject: Your complaint Loch Duart. ASA Complaint Reference A19-562281  
Date: 22 March 2019 at 13:46  
To: info@fishybusiness.co.uk

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## Your Complaint – Loch Duart Salmon

Thank you for contacting the Advertising Standards Authority (ASA) with your complaint about an ad for Loch Duart salmon. I understand you objected to the term sustainable used in the ad.

We thought you made a valid point, and so we contacted the advertiser to speak to them about making changes (without revealing your identity). The advertiser explained that they had stopped using the term "sustainable" but that this image had not been removed, they have now provided their assurance they will change this image to ensure the wording is removed.

Given the advertiser's assurances, we will now close our file on an informal basis. Basic information including the company name, the industry sector and the medium in which the ad appeared will appear on our website, [www.asa.org.uk](http://www.asa.org.uk), on **3<sup>rd</sup> April** in a list with other advertisers that have co-operated in resolving complaints.

I do hope that this outcome is satisfactory to you, and finally I'd like to thank you for taking the time and trouble to write to us and bring this matter to our attention.

Yours sincerely,

**Celia Howarth**  
Complaints Executive  
Direct Line: 020 7492 2119

Advertising Standards Authority

We therefore ask that the ASA now formally rule against the use of the advertising and marketing slogans "responsibly farmed" and "responsibly sourced" in the context of Scottish salmon.

Together with the CMA and Trading Standards there would seem scope via the '[Green Claims Code](#)' published in September 2021 to take enforcement action against supermarkets.

Please note that Which [reported last month \(6 October 2021\)](#):

“A recent petition calling for Marks & Spencer to stop labelling its farmed salmon as ‘responsibly sourced’ has gathered more than 115,000 signatures on online campaigning platform, 38 Degrees. But M&S certainly isn’t the only retailer labelling its salmon this way – all the UK supermarkets state their farmed salmon is either ‘responsibly sourced’ or ‘responsibly farmed’. So why the controversy over this labelling?.....The use of the term ‘responsibly’ sourced or farmed is the result of a voluntary code created by the Sustainable Seafood Coalition of which the majority of supermarkets are members. Farmed seafood can’t be labelled ‘sustainable’.”

The [‘Sustainable Seafood Coalition’ met in July 2011](#) to discuss environmental claims for the labeling of aquaculture products.

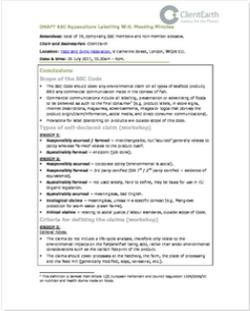
D

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## Sustainable Seafood Coalition (SSC) Labelling working group meeting minutes - 25th July 2011 Aquaculture focus



**Conclusions**  
**Scope of the SSC Code**  
The SSC Code should cover any environmental claim on all types of seafood product; AND any commercial communication made in the context of fish.  
Commercial communications include all labelling, presentation or advertising of foods to be delivered as such to the final consumer 1 (e.g. product labels, in-store signs, internet descriptions, magazines, advertisements, images or logos that portray the product origin/claim/information, social media, and direct consumer communications).  
Provisions for label positioning on products are outside scope of this code.

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Size      168 KB

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Published    July 25, 2011

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Found in    **SSC MEETING MINUTES**

 Download

[Minutes of the meeting in July 2011](#) included:

## DRAFT SSC Aquaculture Labelling W.G. Meeting Minutes

**Attendees:** total of 19, comprising SSC members and non-member advisers.

**Chair and Secretariat:** ClientEarth

**Location:** [Food and Drink Federation](#), 6 Catherine Street, London, WC2B 5JJ.

**Date & time:** 25 July 2011, 10.30am – 4pm.

### Conclusions

#### Scope of the SSC Code

- The SSC Code should cover any environmental claim on all types of seafood product; AND any commercial communication made in the context of fish.
- Commercial communications include all labelling, presentation or advertising of foods to be delivered as such to the final consumer<sup>1</sup> (e.g. product labels, in-store signs, internet descriptions, magazines, advertisements, images or logos that portray the product origin/claim/information, social media, and direct consumer communications).
- Provisions for label positioning on products are outside scope of this code.

### Types of self-declared claim (workshop)

#### **GROUP 1:**

- **Responsibly sourced / farmed** = interchangeable, but 'sourced' generally relates to policy whereas 'farmed' relates to the product itself.
- **Sustainably farmed** = endpoint (job done).

#### **GROUP 2:**

- **Responsibly sourced** = corporate policy (environmental & social).
- **Responsibly farmed** = 3rd party certified (OR 1<sup>st</sup> / 2<sup>nd</sup> party certified + evidence of equivalence).
- **Sustainably farmed** = not used widely, hard to define, may be basis for use in EU Organic legislation.
- **Sustainably sourced** = meaningless, bad English.
- **Ecological claims** = meaningless, unless in a specific context (e.g. Mangrove protection for warm water prawn farms).
- **Ethical claims** = relating to social justice / labour standards, outside scope of Code.

## **GROUP 2:**

### **Responsibly farmed:**

- May include all criteria mentioned in workshop (see ClientEarth presentation slide 38). With the possible exception of social issues.
- Evaluating the relevance and risk of each criterion is the job of credible standard setting bodies.
- There are multiple 3rd party standards that could meet the claim 'responsible'.
- Alternatively if a 1st/2nd party standard can be shown to meet equivalent standards for all criteria covered by a similar 3rd party standards, it could also be 'responsible'.

### **Sustainably farmed:**

- No universally accepted standard to justify claim.
  - EU Organic regulations may justify use of this claim.
  - Bivalves (e.g. Rope grown mussels, oysters, etc.) may justify use of this claim.<sup>2</sup>
- 
- Market research carried out by one retailer had shown that 'sustainably' and 'responsibly' mean the same thing to the consumer.
  - It was noted that the Trading Standards had the power to request evidence to substantiate any claims made, therefore if a claim is made on prawn crackers, there would have to be evidence to back up that claim. It was also suggested that Trading Standards would look to industry standards such as the SSC Code in order to assess the validity of a claim; therefore other companies would ultimately be bound by the Code.
  - A company representative said that consumer research that they had done indicated a strong preference and better understanding of the word 'sustainable'. Others suggested that 'sustainable' and 'responsible' are interchangeable and mean the same to the consumer. Others suggested that their consumer research showed that consumers felt 'responsible' referred to existing conditions and 'sustainable' referred to a future goal.
  - Some felt that 'responsible' was about the corporate approach and it doesn't matter what the consumer believes, but rather it is the job of those with the knowledge to educate consumers and define the terms in the best possible manner. Consumer research has shown that consumers expect the companies to have done the work to ensure the product is 'responsibly sourced'.
  - It was noted that although the MSC uses 'sustainable', the ASC has steered clear and uses 'responsible', probably because the understanding of these terms has advanced since the inception of the MSC 13 years ago.

Minutes of another [‘Sustainable Seafood Coalition’ meeting in June 2012](#) included:

**Brief description on the purpose of the day’s meeting:**

Do we think sustainable aquaculture can ever exist?

- If so, what does it look like?
- If not what about responsible aquaculture/best practices?

Do we think responsible aquaculture can ever exist?

- If so, what does it look like?
- If not what about best practices in aquaculture? What do they look like?

How are sustainable/responsible/best practice aquaculture demonstrated?

**Decisions:**

All agreed that aquaculture can be ‘responsible’.

**Considerations:**

- A non-member advisor pointed out that ‘Responsible’ should not be a *lower tier* than sustainable, rather a different claim. ‘Responsible’ is about behaviour, ‘sustainable’ is a measure. A ‘gap analysis’ approach was considered to determine what ‘responsible’ is, what sustainable might look like and to determine the missing components between the two. What is missing that is preventing us from using the term sustainable?

**Decisions:**

- A brainstorming session was held to create a list of potential criteria for ‘responsible’ and ‘sustainable’.
- All agreed on the following issues to be critical to sustainable aquaculture, responsible aquaculture or both.

**Feed**

**Responsible only:**

- colorants,

### **Responsible and sustainable:**

- waste
- escapes
- stocking densities
- pollution
- anti-foulants
- predator interaction
- habitat/species impacts
- benthic impacts
- impacts on wild stocks
- disease, parasites
- parasite control/cleaner fish
- welfare (including transport & slaughter)
- site carrying capacity
- environmental impact assessment
- re-circulation

Further information on the ‘Sustainable Seafood Coalition’ – whose membership [includes Tesco, Sainsbury’s, M&S, Morrisons, Coop, Waitrose and Lidl](#) - is available [online here](#)

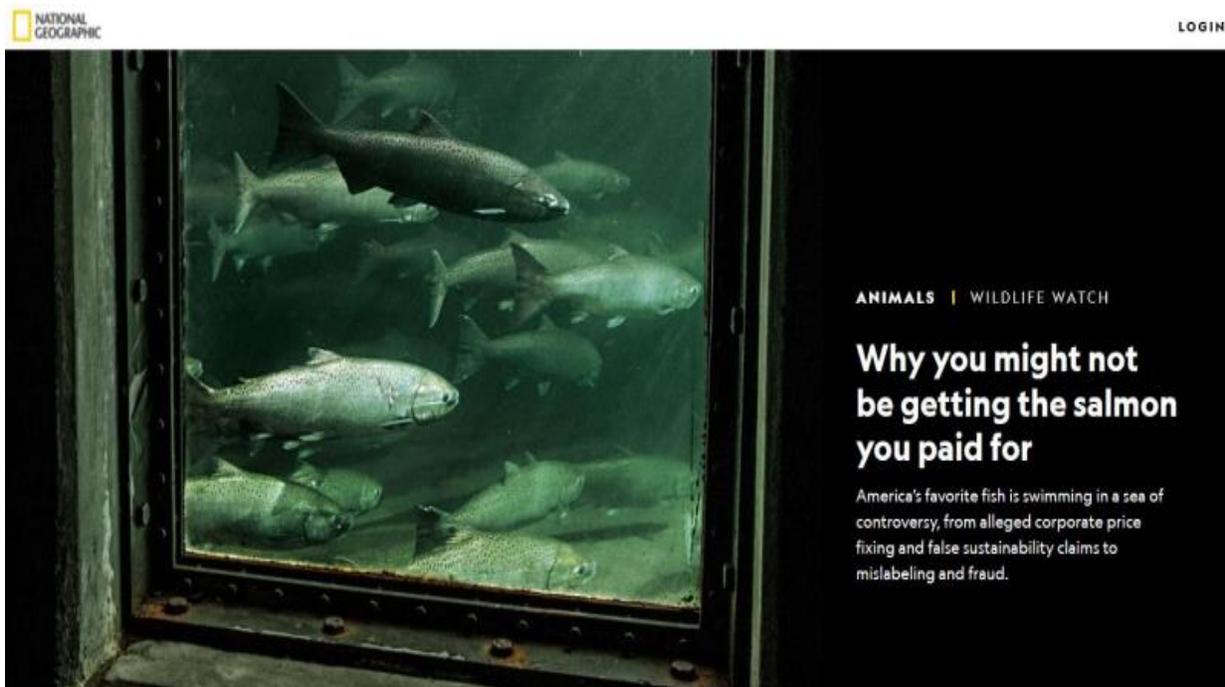


Animal Concern and Scottish Salmon Watch object not only to the term ‘sustainable’ farmed salmon but also to the term ‘responsible’. In view of the raft of environmental problems caused by salmon farms – spearheaded by Mowi (they changed their name from Marine Harvest in 2019 due to “[negative consumer perception](#)”) – we believe that farmed salmon should carry environmental warning labels not “responsibly farmed” or “responsibly sourced” labels.



We therefore ask that the ASA rules against the use of the advertising and marketing slogan “Responsibly Farmed” with reference to Mowi’s Scottish farmed salmon as sold by Sainsbury’s and Tesco.

As background please note that in September 2021, [National Geographic reported](#):



Salmon is the most popular fish in the U.S.—Americans collectively consume nearly 450,000 tons each year—and the choices are countless: farmed Atlantic, wild-caught sockeye, king, pink, smoked. Some are green-certified, others are labeled “all-natural.” How to choose? And can you trust that your purchases will deliver on the promise of protecting wild species and safeguarding your health?

That question is at the heart of a growing number of scientific investigations, conservation campaigns, documentary films, and multiple recent class-action lawsuits against the Norwegian seafood company, Mowi USA LLC.

Mowi, which supplies a fifth of the global demand for farmed salmon, is accused of misleading consumers by marketing its Ducktrap River smoked Atlantic salmon as “all natural,” “sustainably sourced,” and “from Maine.” Court documents state that the company acquires its salmon from industrial farms outside the United States where fish in crowded marine pens are often treated with medicines and chemicals, including formaldehyde-based formalin and bleach, to prevent disease and sea lice infestations.

A federal judge in the Southern District of New York has preliminarily approved a proposed \$1.3 million settlement that would include requiring the multibillion-dollar company to remove the questionable marketing claims from its packaging. (Meanwhile, Mowi and a handful of other Norwegian salmon companies are under investigation by officials in Europe and the U.S. for allegedly illegally exchanging competitively sensitive information to control the price of farmed salmon.)

The [National Geographic article](#) referred readers to damning video footage show by Scottish Salmon Watch inside Mowi’s salmon farms in July 2021:



ACTIVIST-RECORDED VIDEO AT MOWI SCOTLAND SALMON FARM



DON STANIFORD/SCOTTISH SALMON WATCH VIA VIMEO

Scottish Salmon Watch's video footage of Mowi's lice infested salmon farms was [watched by over 1 million people on Instagram](#).



The Mail on Sunday [reported in July 2021](#):

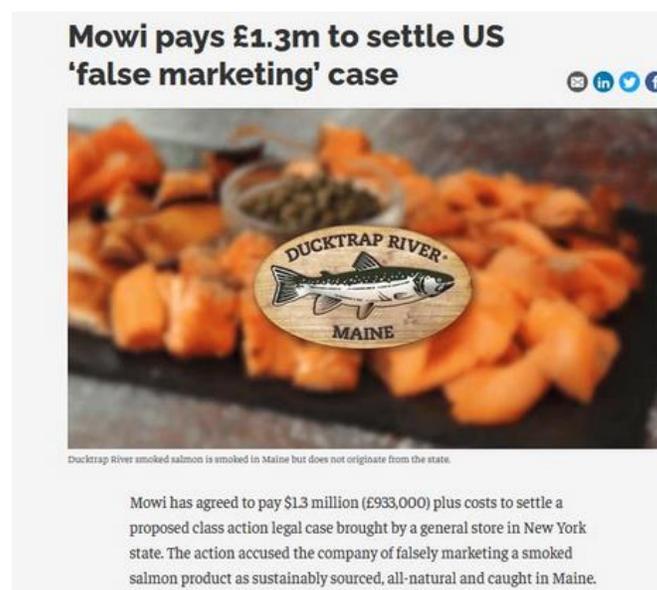


In September 2020, a [report published in Canada showcased the greenwashing of seafood \(including farmed salmon\)](#):



“For self-declared claims, the government should strengthen requirements for the use of the terms ‘sustainable’ or ‘responsible’ by stipulating that third-party verification is the only acceptable evidence to support their use,” [reported SeaChoice](#).

In March 2021, [Mowi settled a class action lawsuit in the United States](#):



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@TheGAAIA



"The salmon farming giant may have inadvertently opened up the floodgates for similar suits....As part of the settlement, for a period of 2 years Mowi will be forbidden from using the term 'sustainably sourced'" @drewcherry @IntraFishNorge @DucktrapRiver [tinyurl.com/btha4ym3](https://tinyurl.com/btha4ym3)



**IntraFish** Aquaculture Fisheries Processing Markets Feed Opinion Species

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**Analysis: Mowi's concession on labeling may come back to haunt the entire seafood industry**

The salmon farming giant's \$1.3 million settlement may not end its legal headaches, and in fact may have put a target on the seafood industry's back.

11:47 AM · Mar 22, 2021



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@TheGAAIA



Looking forward to more honest advertising by Mowi following their class action lawsuit settlement which outlaws "sustainably sourced" & "all natural" marketing messages @DucktrapRiver @mowisalmon\_us [tinyurl.com/btha4ym3](https://tinyurl.com/btha4ym3)  
@MowiCanadaWest @ScotlandMowi @TheCounter @natlawreview



10:06 AM · Mar 22, 2021



Intrafish [reported \(1 July 2021\)](#):



## Cooke unable to quash lawsuit over 'deceptive marketing practices'

A pro-vegan nonprofit alleges Cooke's True North brand marketing goes against Washington DC's consumer protection act.

### RELATED NEWS

**'We are entering a new reality': US salmon prices see new upturn**

Prices  
28 June 2021 8:14 GMT

**Video: Cooke subsidiary Omega Protein sinks vessel to create artificial reef**

Fisheries  
17 June 2021 21:48 GMT

1 July 2021 8:58 GMT    UPDATED 1 July 2021 22:28 GMT

By Rachel Sapin

Cooke Aquaculture has been unsuccessful in its attempts to quash a case concerning allegations it is misleading consumers regarding the sustainability of its True North salmon products sold in the Washington, DC market.

On June 24, a Washington DC Superior Court Judge dismissed Cooke's attempts to countermand a complaint that was filed last year against the seafood company by nonprofit Animal Outlook, formerly known as Compassion Over Killing.

The Washington, DC-based nonprofit has [previously attacked Cooke Aquaculture in Maine over animal welfare violations](#).

### RELATED NEWS

**'We are entering a new reality': US salmon prices see new upturn**

Prices  
28 June 2021 8:14 GMT

**Video: Cooke subsidiary Omega Protein sinks vessel to create artificial reef**

Fisheries  
17 June 2021 21:48 GMT



**Judge denies Norwegian Seafood Council request to 'quash' subpoena related to salmon antitrust case**

[Read more](#)

In its complaint, the nonprofit [alleged Cooke's True North salmon marketing is misleading](#) consumers by claiming the fish is "sustainably farmed," which the nonprofit said violated the District of Columbia Consumer Protection Act (CPA).

The complaint stated Cooke's "sustainability representations lead DC consumers to believe that its farms go above and beyond regulatory requirements, and its products are ecologically sound, naturally raised, and adhere to optimal animal welfare standards."

Cooke filed a motion to quash the complaint on "lack of personal jurisdiction." It also filed motions to dismiss the case based on not being properly summoned to appear before the court in the case.

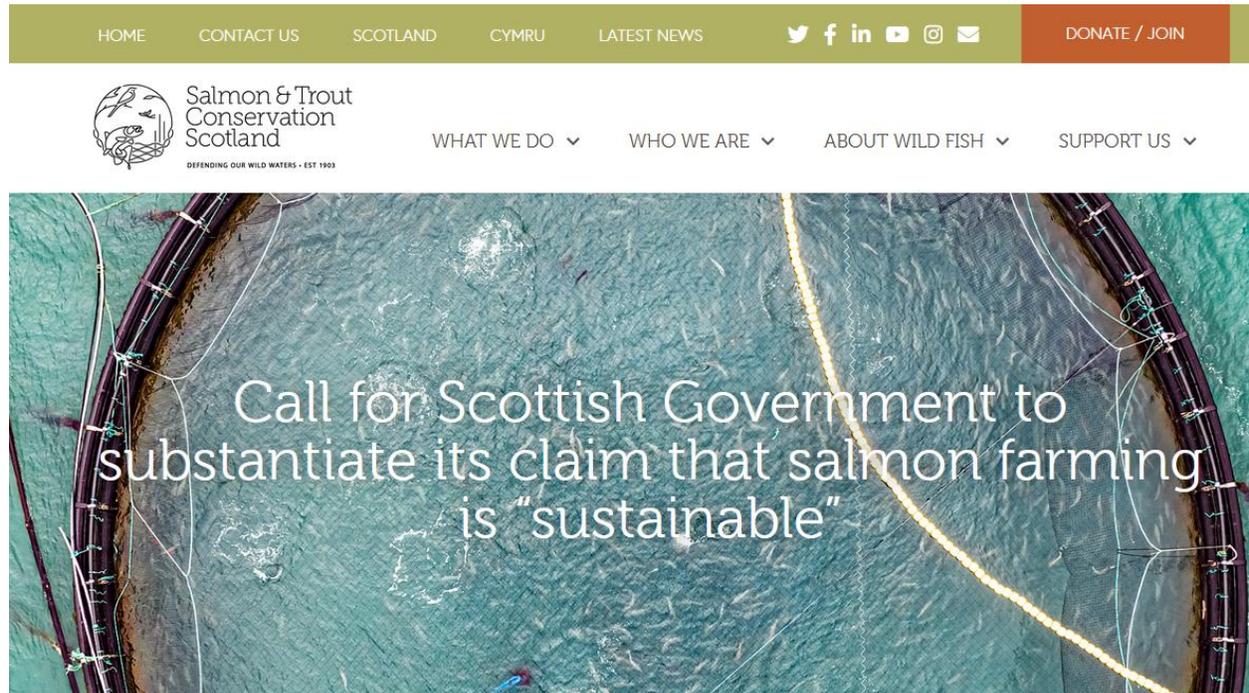
Lawyers for Cooke also told the court the company has "never targeted consumers in the District with advertising for farm-raised Atlantic salmon, and they have never sold such salmon in the District," adding the court "cannot enjoin Cooke defendants from doing something they have never done."

Lawyers for the company said the marketing referred to in the complaint was from its websites.

[In the fall of 2019, the animal rights group went undercover at Cooke Aquaculture's operations in Bingham, Maine -- an Atlantic salmon hatchery that supplies to Martha Stewart's True North Seafood line -- and published troubling footage in a disturbing video that shows workers stomping on the heads of salmon.](#)

Animal Outlook is also targeting land-based salmon farmer Atlantic Sapphire for inhumane animal welfare practices.

In September 2021, [Salmon & Trout Conservation wrote to the Scottish Government asking it to substantiate its claim that salmon farming is “sustainable”](#).



## Salmon & Trout Conservation call for Scottish Government to substantiate its claim that salmon farming is “sustainable”. The failure to do so will mean that Scottish Government is guilty of blatant greenwash.

The newly published *Green Claims Code* by the Competition and Markets Authority is clear that environmental "claims must be substantiated".

**Andrew Graham-Stewart, Director of S&TCS**, said: "Increasingly Scottish Government, in particular Rural Affairs Cabinet Secretary Mairi Gougeon, is claiming that salmon farming in Scotland is 'sustainable'. This is a bold assertion that we are now challenging. If Scottish Government is unable to substantiate the assertion, then, quite simply, it is guilty of blatant greenwash.

**Nick Measham, CEO of Salmon and Trout Conservation**, commented: "No amount of greenwashing can alter the evidence that open-net salmon farming kills wild fish and pollutes the marine environment. Sea lice and escapes from salmon farms are helping drive many populations of the west Highlands and Islands' wild Atlantic salmon and sea trout to the brink of extinction. This alone is enough to demolish claims of sustainability without all the other impacts on marine life and the food chain being taken into consideration. This industry ranks amongst the worst environmental disasters in Western Europe."

The Sunday Times [reported](#) (17 October 2021):

THE SUNDAY TIMES Today's sections ▾ Past six days Explore ▾ Times Radio Times+

Scotland

## Greenwashing claim over effect of fish farming

Mark Macaskill

Sunday October 17 2021, 12.01am, The Sunday Times



Activists have called on Mairi Gougeon, the rural affairs minister, to justify her assertion that fish farming is sustainable. GETTY IMAGES

Share ✉ 🐦 f 🔗 Save ☆

Scottish Salmon Watch's forthcoming report - '[Greenwashing Scottish Salmon](#)' – will provide further details.



Social media is awash with pushback against the salmon farming industry's claims of 'responsible farming'.



Salmon Scotland  
@SalmonScotland

...

Supply exceeds demand for farmed salmon.

Advice for @Tesco - please don't encourage this damaging industry.

#ScottishSalmonScandal #SalmonScotland



salmonbusiness.com

Every little helps? Heavy discounting of Mowi branded salmon key to bid to win ...  
On Monday, Mowi announced that its branded chilled range would be expanding into Tesco, the UK's largest retailer. First launched in Sainsbury's in March, ...

10:06 AM · Nov 2, 2021 · Twitter Web App



'Irresponsibly Sourced' salmon stickers are now available. Inside Scottish Salmon Feedlots posted on Facebook (2 November 2021):



### Inside Scottish Salmon Feedlots

18h · 🌐



DIRECT ACTION | Who would like some stickers to add to Tesco's latest farmed Scottish salmon range?

Enough has been said, salmon farmers and the Scottish Government had three years to clean up open cage feedlots, since a cross party inquiry in the Scottish Parliament highlighted the damage being done by open cage salmon farming.

[http://bit.ly/ECCLR\\_salmon\\_farming](http://bit.ly/ECCLR_salmon_farming)

It is clear the industry intend to do nothing, while our seas are filled with salmon farm sewage, plastic, chemicals, sea lice and disease.

It is time to take action, direct action.

Packs of stickers cost £15 for 100. PM us for yours.





**Don Staniford**

@TheGAAIA



Caveat Emptor - buyer beware of cheap & nasty Mowi salmon! @MowiScotlandLtd @ScotlandSalmon



salmonbusiness.com

Every little helps? Heavy discounting of Mowi branded salmon key to bid to win ...  
On Monday, Mowi announced that its branded chilled range would be expanding into Tesco, the UK's largest retailer. First launched in Sainsbury's in March, ...

2:17 PM · Nov 3, 2021 · Twitter Web App



Just this week a new report – “[Floundering Around: An assessment of where European retailers stand on the sourcing of farmed fish](#)” - published by Changing Markets Foundation lambasted supermarkets for poor environmental and welfare performance on sourcing farmed fish.

**Changing Markets Foundation**  
@ChangingMarkets

Floundering Around: Our NEW REPORT 📄 backed by a coalition of NGOs finds that 76% of Europe's leading retailers are failing to address the sustainability of their farmed fish supply chains #FishingtheFeed [changingmarkets.org/wp-content/upl...](https://changingmarkets.org/wp-content/upl...)

10:24 AM · Nov 18, 2021

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@TheGAAIA

"Over half a million tonnes of salmon – worth US\$3.7 billion – died or escaped between 2010 and 2019. Mowi's fish mortality rates accounted for almost half of this loss" @ChangingMarkets [tinyurl.com/dpaayfbr](https://tinyurl.com/dpaayfbr) @MowiScotlandLtd @ciwf @onekindtweet @Folketrygdffond @ScotlandSalmon

Brand	Volume (Litres)	Value (£)
australis	34,042	\$231
BLUMAR	32,236	\$219
NOVA SALMON	28,342	\$193
BAKKA Frost	21,068	\$143

Sainsbury's and 9 others  
2:01 PM · Nov 18, 2021 · Twitter Web App

This weekend (21 November 2021), [French TV will broadcast an exposé of Scottish salmon](#) including shocking video evidence of welfare abuse shot inside salmon farms in Scotland.



### La face cachée d'un élevage de saumons en Ecosse



Il est très difficile de s'infiltrer dans un élevage de saumons d'Ecosse mais l'équipe de Sur le Front a pu le faire avec la complicité d'un militant très engagé. Ces poissons migrateurs à l'origine vivent dans des cages exiguës, ils sont infestés de poux de mer et gorgés d'antibiotiques. Malgré ces déplorables conditions d'élevages, ces saumons se retrouvent sur nos tables.

## Hard Evidence Against 'Responsibly Farmed' Mowi Salmon (November 2021)

In November 2020, Scottish Salmon Watch wrote to the Norwegian Government (as one of the largest investors in 'Scottish' salmon farming) detailing a catalogue of problems associated with salmon farms including Norwegian-owned Mowi. "In summary, Norwegian investments are fuelling the expansion of salmon farming in Scotland and contributing to environmental damage and welfare abuse," stated the [letter dated 29 November 2020](#).

Scottish Salmon Watch, 30 November 2020

### Norwegian Government Asked to Divest from 'Unethical' & 'Irresponsible' Scottish Salmon



The [letter dated 29 November 2020](#) cited in reference to Mowi in particular:

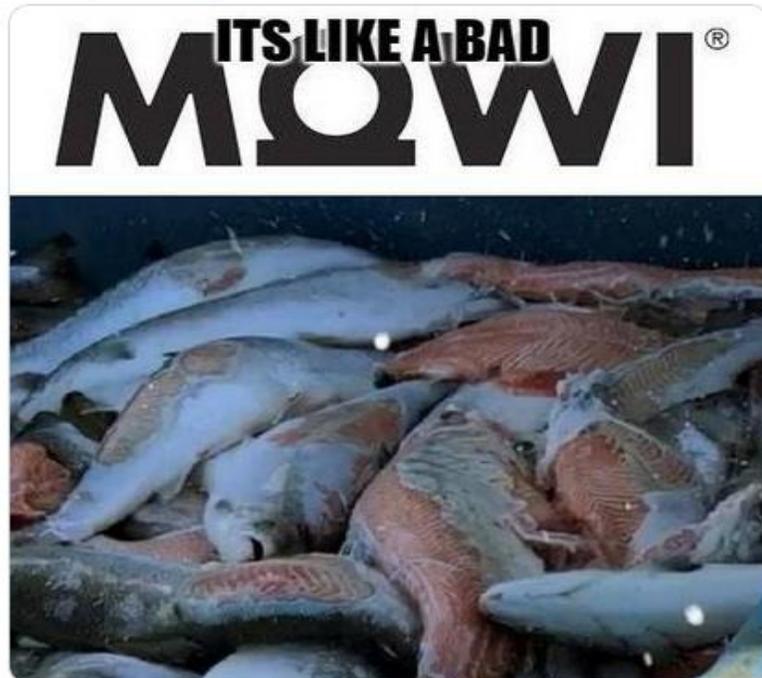
Mowi, too, is [plagued by problems including mass mortalities and infectious diseases](#) even though it is a company (like Scottish Sea Farms and Grieg Seafood) which [boasts welfare certification via RSPCA Assured](#).



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Mowi's Q3 2020 financial results make grim reading for Scotland with production down & costs up due to diseases such as Cardiomyopathy Syndrome, Pancreas Disease & Sea Lice [tinyurl.com/y5ctrlbv](https://tinyurl.com/y5ctrlbv) @MowiScotlandLtd



6:18 AM · Nov 4, 2020



Please take time to look through some of the [photos published by the Scottish Government's Fish Health Inspectorate](#) (which [lawyers representing Scottish Sea Farms and The Scottish Salmon Company](#) and [Mowi's media adviser](#) desperately tried to block from publication):



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Be Sure to Boycott RSPCA Assured Scottish Salmon!  
[tinyurl.com/srommob](https://tinyurl.com/srommob) Shocking new photos published of Mowi's disease-ridden North Shore feedlot in Loch Erisort  
[@marinescotland](#) [@MowiScotlandLtd](#) "visibly moribund fish" & "significant lice damage" [@sainsburys](#) [@rspcaassured](#)



5:00 PM · Apr 7, 2020



Is this welfare abuse and unhealthy situation really something that [Mowi's second largest shareholder](#) is willing to condone so long as the Norwegian people secure a healthy return on their investment?



Read more about Mowi in particular via:

[Disease Breaks Mowi's Heart in Scotland](#)

[Mowi Plagued by Gill Infections & Heart Disease](#)

[Mowi Plagued by Infectious Diseases & "Biological Issues" - Q2 2020 volume guidance reduced 8,000 tonnes for Scotland](#)

[RSPCA Assured Mowi Plagued by Mass Mortalities & Infectious Diseases on Skye](#)

[Be Sure to Boycott RSPCA Assured Scottish Salmon - Shocking New Photos Published of Mowi's North Shore Feedlot in Loch Erisort!](#)

[Deadly Mowi - the Horror Story Continues!](#)

['Moribund' Mowi: Salmon Gill Poxvirus, Amoebic Gill Disease & Anaemia at Ardintoul](#)

[Mowi's Mass Mortalities Pile Ever Higher](#)

[Sunday National/Ferret: "Salmon company Mowi rapped over fish welfare after 700,000 deaths"](#)

[Mowi's Welfare Nightmare on Rum - "blind", "physical damage", "anorexic" & over 40,000 dead fish!](#)



In view of Mowi's appalling track record in Scotland it is not surprising that this company is being [named and shamed on social media](#).



Inside Scottish Salmon Feedlots

November 18 at 5:46 AM · 🌐



FIT AND PROPER? | Billionaire tax exile wants more polluting salmon feedlots in Scotland.

Surely Scotland can dream bigger than being a sewer for John Fredriksen's salmon feedlots? Even if there are a few jobs for those who want to work in the waste. [https://en.wikipedia.org/wiki/John\\_Fredriksen](https://en.wikipedia.org/wiki/John_Fredriksen)

With headlines like these should MOWI really be operating another salmon farm in Scotland or just fixing the ones they already have?

MOWI in the news 2018 - 2020

MOWI Scotland failure lets 50,000 farmed salmon escape  
<https://www.bbc.co.uk/news/uk-scotland-glasgow-west-53913708>  
<https://www.scotsman.com/.../anglers-told-kill-escaped...>  
<https://thefishsite.com/.../nearly-50-000-salmon-escape...>  
<https://www.dailymail.co.uk/.../Nearly-50-000-salmon...>

70,000 factory salmon escape from MOWI Scotland salmon farm near Colonsay

<https://thefishsite.com/.../mowi-reports-mass-salmon...>  
<https://www.bbc.co.uk/news/uk-scotland-glasgow-west-51191270>  
<https://www.sundaypost.com/.../wild-salmon-threatened-by.../>

MOWI Scotland under investigation "for possible misreporting of chemical use"

<https://www.bbc.co.uk/news/uk-scotland-48334029>  
<https://theferret.scot/mowi-fish-farms-sepa/>

Toxic fish farm pesticide polluted ten lochs across Scotland  
<https://theferret.scot/formaldehyde-pesticide-fish-farms.../>

APHA told MOWI Scotland: 'You have not been able to show that adequate actions were taken in the period between 10/7/19 to the 12/08/19 in order to promote the welfare of the lumpfish under your responsibility.'

<https://www.fishfarmermagazine.com/.../rising-sea.../>

MOWI Scotland forced to close salmon farm that failed environmental standards for over a decade

<https://www.independent.co.uk/.../uk-scotland-scotland...>

Scottish island community says NO to MOWI Scotland's advances

<https://www.heraldsotland.com/.../18127447.isle-eigg.../>

MOWI Scotland has problems with sea lice

<https://www.bbc.co.uk/.../uk-scotland-scotland-business...>

MOWI Scotland rapped over fish welfare after 700,000 deaths

<https://www.thenational.scot/.../18026340.salmon-company.../>

Salmon producer MOWI Scotland sees profits hit by lice, disease and escapes

<https://www.bbc.co.uk/.../uk-scotland-scotland-business...>

Record Deaths on salmon farms

<https://theferret.scot/farmed-salmon-deaths-disease.../>  
<https://theferret.scot/salmon-deaths-farms-nine-million/>

Mowi may have been [forced to change their name from Marine Harvest due to negative consumer perception](#) but it still [ranks as one of the worst salmon farming companies in terms of welfare abuse](#).

**OneKind** Ending cruelty to Scotland's animals **New report highlights worst and best salmon farms in Scotland for animal welfare**

*Table 1. The top 7 worst performing salmon farms for animal welfare in 2017.*

Rank	Farm	Company	Mortality score	Escape score	Biomass score	Seal score	Sea lice score	Welfare score
1	Poll na Gille	Marine Harvest	0	3	3	3	2	11
2	MacLean's Nose	Marine Harvest	3	3	0	3	0	9
=	Bagh dail nan Cean	Marine Harvest	0	0	3	3	3	9
=	Vuia Beag	The Scottish Salmon Co.	3	3	0	3	0	9
3	Inch Kenneth	The Scottish Salmon Co.	3	0	0	3	2	8

[Mowi's Tabhaigh salmon farm in Loch Erisort](#) (12 November 2019)



Norwegian-owned Mowi was [responsible for two mass escapes in 2020 totaling over 120,000 fish](#) - that's [over twice the entire 'wild' catch of salmon in Scotland in 2019!](#)

Data [published online by the Scottish Government via 'Scotland's Aquaculture'](#) details mass escapes for companies invested in by the Norwegian Government - with 3.2 million escapees from salmon farms since 2000 in 276 reported incidents:

Escape ID	Operator at Time of Escape	Date of Escape	# Escaped	# Recovered	Site Name
2000507	Mowi Scotland Ltd	21-Feb-20	73,684	0	Colonsay
2000519	Mowi Scotland Ltd	09-Sep-20	48,834	0	Eilean Grianain
2000063	Scottish Sea Farms Ltd	10-Feb-05	43,453	600	Kishorn B (North)
2000245	Scottish Sea Farms Ltd	22-Sep-09	34227	2889	Loch Frisa
2000293	Scottish Sea Farms Ltd	01-Feb-12	33,755	0	South Sound
2000481	Mowi Scotland Ltd	18-Dec-18	24,752	0	Hellisay
2000498	Mowi Scotland Ltd	14-Nov-19	23,970	0	Hellisay
2000182	Marine Harvest (Scotland) Ltd	24-Dec-07	23,805	15	Isle Ewe
2000469	Grieg Seafood Shetland Ltd	02-Mar-18	21,712	0	Loch Snizort East
2000062	Marine Harvest (Scotland) Ltd	09-Feb-05	20,928	0	Gousam
2000153	Marine Harvest (Scotland) Ltd	23-Apr-07	18,500	1,900	Scotasay
2000452	Scottish Sea Farms Ltd	21-Apr-17	17398	0	Bloody Bay
2000161	Scottish Sea Farms Ltd	20-Jul-07	16,989	0	Brunaness
2000422	Marine Harvest (Scotland) Ltd	09-Jun-15	16,000	0	Eilean Grianain
2000505	The Scottish Salmon Company	20-Feb-20	13,952	None	Geasgill
2000061	Marine Harvest (Scotland) Ltd	09-Feb-05	12,943	0	Vuiabeag
2000138	Marine Harvest (Scotland) Ltd	17-Jan-07	11,900	0	Seaforth
2000456	The Scottish Salmon Company	11-Sep-17	11040	Unkonwn	Geasgill
2000256	Marine Harvest (Scotland) Ltd	24-Mar-10	10,775	1,000 ongoing	Loch Lochy
2000232	Marine Harvest (Scotland) Ltd	07-Jul-09	10534	0	Marulaig Bay

BBC News [reported in January 2020](#):

The image shows a screenshot of a BBC News article. At the top, there is a navigation bar with the BBC logo, a 'Sign in' button, a notification bell, and links for 'Home' and 'News'. Below the navigation bar is a large red banner with the word 'NEWS' in white. The main headline reads 'Colonsay farmed salmon escape after Storm Brendan damage'. Below the headline, the date '21 January' is displayed. The article text begins with: 'Norwegian fish farming giant Mowi has revealed that tens of thousands of salmon have escaped from one of its sites off Colonsay. The company said a cage was damaged when Storm Brendan passed through the area last week. Almost 74,000 fish escaped through a tear in the cage netting. The incident is the third major escape from Mowi's new generation of high capacity offshore sites in Scotland in just over a year. Last October and in November 2018 more than 48,000 salmon escaped from the firm's Hellisay site in the Western Isles. Escapes have an economic impact on fish farming companies. Conservationists and angling groups also have concerns that breeding between farmed and wild salmon harms wild fish stocks.'

BBC News [reported in August 2020](#):

BBC Sign in Home News Sport Weather

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Scotland | Scotland Politics | Scotland Business | Edinburgh, Fife & East | Glasgow & West

## Nearly 50,000 salmon escaped from storm-damaged fish farm



Nearly 50,000 salmon escaped when a fish farm in Argyll broke free from its moorings, it has been revealed.

The North Carradale farm, near Campbeltown, suffered damaged to four of its 10 fish pens during Storm Ellen.

Owner Mowi said inspections by divers revealed the breakage of mooring ropes attached to the farm's seabed anchors was the cause.

Just over 30,000 of the farmed salmon also died as a result of the incident.

BBC News [reported in September 2020](#):

BBC Sign in Home News Sport Weather if

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## Escaped salmon from Argyll farm appearing in west coast rivers

© 10 September

Mowi took a battering in the media including the [BBC One Show in October 2020](#):



Peer-reviewed science [published by the Royal Society of London in 2003](#) reported that escapes could precipitate "an extinction vortex" in wild salmon.

 **Don Staniford**  
@TheGAAIA



Official Scottish Government figures show Mowi has recovered zero out of 48,834 escapees (i.e. 0%)

[@MowiScotlandLtd](#) [tinyurl.com/yxq8eefr](https://tinyurl.com/yxq8eefr)

How much will [@GreenerScotland](#) fine Mowi for failing to recapture escapees? [@fms\\_scotland](#) [@FergusEwingMSP](#) [@strathearnrose](#) £0.00? #Mowi

A screenshot of a website showing Mowi site details. On the left, there are three yellow and black hazard stripes with a skull and crossbones, and the word 'MOWI' in large white letters on a black background. Below that, another hazard stripe with the word 'ZERO' in large white letters and a skull and crossbones. On the right, there is a table of site details.

Site Details	
Site ID	PS1178
Site Name	Eden Salmon
Address	Eden Harbour, Scotland, UK The West Coast Cumbria, UK PA28 8 5B
Telephone Number	01297 719332
Date Registered	22/03/2019
Operator	Eden Salmon Ltd
Appropriate Plan	Plan
Water Type	Seawater
Species	Atlantic Salmon, Lumpfish, Smelt
Health Surveillance Frequency	Low
Production reported to the UK Scotland within last 3 years?	Yes
National Grid Reference	NS16412
Easting	101623
Northing	841232
Marine Scotland Management Area	10 - 4 Marine
Local Authority	Argyll and Bute
Region	Highland
View on Map	<a href="#">View on Map</a>

10:46 AM · Oct 9, 2020



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@TheGAAIA



Here's what Mowi's @rspcaassured salmon looked like after 300,000 died in the Beast from the East in 2018 at their Carradale farm (the same site hit yesterday by Storm Ellen) [tinyurl.com/rdr8azn](https://tinyurl.com/rdr8azn) Skinless Scottish salmon anyone? @MowiScotlandLtd @sainsburys @LidlGB @AldiUK



11:53 AM · Aug 21, 2020



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@TheGAAIA



"The science is already in - escapes from farms kill wild salmon" @ardrossanherald "Mowi should be fined & have their licence to operate rescinded" @MowiScotlandLtd @FergusEwingMSP @fms\_scotland @SalmonTroutCons @strathearnrose @marinescotland

10 NEWS [www.ardrossanherald.com](http://www.ardrossanherald.com)

## Study begins into the full impact of escaped fish farm salmon

BY GIANNI MARINI [gianni.marini@ardrossanherald.com](mailto:gianni.marini@ardrossanherald.com)

**THE** owner of the farm from which thousands of salmon escaped is funding a study into how it will impact on the wild population.

In August, Mowi Scotland confirmed 48,834 farm-raised fish escaped from its facility off the coast of Arran. The salmon, which are identifiable by deformities, have since been found across Ayrshire.

Last month, it was reported that anglers in Givran caught 30 of the escapees, with 10 in a single mile stretch.

Fisheries Management Scotland previously warned anglers to kill any suspected farmed salmon they caught and send scale samples to them.

The study, launched in response to the mass escape, will be managed by FMS and supported by Government scientists.

The multi-year study of 110 sites aims to confirm wild salmon's current genetic profile and to track for the potential of genetic changes should interbreeding of farmed and wild salmon occur.

Ben Hadfield, COO of Mowi Scotland said: "I would like to thank Fisheries Management Scotland and their member District Salmon Fishery Boards and Fisheries Trusts for their efforts to remove these fish from rivers across the Firth of Clyde, and apologise for any disruption and concern this escape has caused.

"We have learned the root cause of the escape and acknowledge our responsibility to quickly learn from this event to prevent it from occurring again."

Den Staniford, a campaigner against fish farms, said: "The science is already in - escapes from farms kill wild salmon. precipitate an 'extinction vortex'. Instead of more research, Mowi should be fined and have their licence to operate rescinded."

**A** farmed salmon caught in Ayrshire. Credit: Jacqueline Rogers Boyd.



3:45 PM · Oct 23, 2020 · Twitter Web App

Read more via:

["Mowi should be fined & have their licence to operate rescinded"](#)  
[Zero Escapees Recovered by Mowi Out of 48,834 - That's Officially 0%!](#)  
[Far from Fine: Mowi Recaptures Less Than 1% of Escapees in Scotland!](#)  
[Scottish Salmon's Great Escape](#)

**- Waste Pollution:** The scale of salmon farming in Scotland has certainly led to "unsatisfactory" waste impacts on the sea-bed under salmon farms. Data is published online via Scotland's Aquaculture web-site with ['Fish Farm Annual Emissions' data detailing discharges of Nitrogen, Phosphorus, Carbon, Copper from feed and nets and Zinc from feed](#) and ['Sealice In-Feed Treatment Residues' detailing benthic contamination.](#)

The [largest annual emissions of zinc, nitrogen, phosphorus and organic carbon since 2005](#) are dominated by Mowi-owned salmon farms with discharges highest in more recent years.

Report ID	Year	Zinc from feed kg	Nitrogen kg	Phosphorus kg	Total organic carbon kg	Licence Site Name	Operator
204640	2017	682.6629019	241786.4389	33389.55585	775731.4915	Creag an Sagairt West	Mowi Scotland Ltd
202852	2019	658.8895555	233366.364	32226.7836	748717.0845	Am Maol, Isle of Muck	Mowi Scotland Ltd
204919	2019	640.135127	226723.896	31309.4904	727405.833	MacLeans Nose	Mowi Scotland Ltd
203709	2016	621.2741584	220043.6935	30386.98624	705973.5166	Carradale (South)	Mowi Scotland Ltd
203706	2013	619.6193091	219457.5768	30306.04632	704093.0589	Carradale (South)	Mowi Scotland Ltd
204224	2019	612.5165469	216941.9112	29958.64488	696021.9651	Bagh Dail nan Ceann North and South	Mowi Scotland Ltd
204222	2017	611.1563012	216460.1376	29892.11424	694476.2748	Bagh Dail nan Ceann North and South	Mowi Scotland Ltd
203271	2016	603.9840778	213919.8701	29541.3154	686326.25	Camas an Leim (Torridon)	Mowi Scotland Ltd
203747	2013	593.5320208	210217.9469	29030.09743	674449.2464	Erisort, North Shore West	Mowi Scotland Ltd
204493	2017	588.4492056	208417.7088	28781.49312	668673.4824	Gometra	The Scottish Salmon Company Ltd
203711	2018	586.9819033	207898.0178	28709.72626	667006.1403	Carradale (South)	Mowi Scotland Ltd
203715	2018	586.4016954	207692.519	28681.34786	666346.8317	Carradale (North)	Mowi Scotland Ltd
203604	2018	583.4256576	206638.462	28535.78761	662965.0656	Colonsay	Mowi Scotland Ltd
203266	2011	577.6575188	204595.4951	28253.66361	656410.5467	Camas an Leim (Torridon)	Mowi Scotland Ltd
204913	2018	569.991188	201880.224	27878.6976	647699.052	Marulaig Bay	Mowi Scotland Ltd
203602	2016	565.7120847	200364.6456	27669.40344	642836.5713	Colonsay	Mowi Scotland Ltd
203264	2009	560.9441808	198675.9432	27436.20167	637418.651	Camas an Leim (Torridon)	Mowi Scotland Ltd
202885	2011	559.1571775	198043.02	27348.798	635388.0225	Ardgour (Linnhe)	Mowi Scotland Ltd
202883	2009	551.5170905	195337.044	26975.1156	626706.3495	Ardgour (Linnhe)	Mowi Scotland Ltd
203315	2017	547.4215542	193886.4816	26774.79984	622052.4618	Druimyeon Bay	The Scottish Salmon Company Ltd
205633	2016	536.2194136	189918.8928	26226.89472	609323.1144	Stulaigh Island	Mowi Scotland Ltd
204642	2019	534.7107462	189384.551	26153.10466	607608.7678	Creag an Sagairt West	Mowi Scotland Ltd
205635	2018	522.7332158	185142.3336	25567.27464	593998.3204	Stulaigh Island	Mowi Scotland Ltd
202929	2010	517.2502642	183200.3747	25299.09936	587767.8687	Ardintoul	Mowi Scotland Ltd

Biomass exceedances - which can be seen as an indicator of excessive and unauthorised pollution - were dominated by Mowi with Scottish Sea Farms also featuring in the worst cases:

Year	Biomass Exceedence Tonnes	Site Name	Operator
01-Jul-19	942.8497487	Am Maol, Isle of Muck	Mowi Scotland Ltd
01-Jul-02	827	East of Hildasay	Scottish Sea Farms Ltd
01-Mar-14	800	Poll na Gille	Mowi Scotland Ltd
01-Aug-19	779.6071707	Am Maol, Isle of Muck	Mowi Scotland Ltd
01-Feb-14	778	Poll na Gille	Mowi Scotland Ltd
01-Oct-17	707	Poll na Gille	Mowi Scotland Ltd
01-Jan-14	682	Poll na Gille	Mowi Scotland Ltd
01-Feb-20	609.6462778	Grey Horse Channel	Mowi Scotland Ltd
01-Sep-17	586.4059673	Poll na Gille	Mowi Scotland Ltd
01-Jan-02	581	Mid Loch Shell / Pairc - West (A & B cage groups)	Mowi Scotland Ltd
01-Jun-03	573	Dales Voe (South)	Hunter Salmon
01-Jun-19	570.0859908	Am Maol, Isle of Muck	Mowi Scotland Ltd
01-Apr-10	569	Maol Ban	Mowi Scotland Ltd
01-Aug-07	565	Erisort, North Shore West	Mowi Scotland Ltd
01-Sep-19	549.394223	Am Maol, Isle of Muck	Mowi Scotland Ltd
01-Dec-12	549	Callert (Leven)	Mowi Scotland Ltd
01-Jun-02	517	East of Hildasay	Scottish Sea Farms Ltd
01-Nov-07	514	Erisort, North Shore West	Mowi Scotland Ltd
01-Jun-07	508	Ardgour (Linnhe)	Mowi Scotland Ltd
01-Aug-02	505	East of Hildasay	Scottish Sea Farms Ltd
01-Oct-07	495	Erisort, North Shore West	Mowi Scotland Ltd
01-Feb-02	491	Mid Loch Shell / Pairc - West (A & B cage groups)	Mowi Scotland Ltd
01-Sep-19	486.5900563	Bagh Dail nan Ceann North and South	Mowi Scotland Ltd

2020 is expected to be the worst on record [with the Scottish Environment Protection Agency announcing in March 2020](#) that biomass limits could be breached during the Covid-19 crisis (although [SEPA proposed lifting biomass limits back in 2017](#)). Data is currently only available up to July 2020 with Q3 2020 not published until December.



**Don Staniford**  
@TheGAAIA

...

As Scottish salmon farmers shamelessly seek to exploit #Coronavirus - @SSPOsays are lobbying @ScottishEPA @marinescotland to increase biomass limits - here's salmon farms breaching biomass limits in 2019 @MowiScotlandLtd Where's there's Muck there's Mowi money! @HamishMacdonell

Year	Submitted By	Biomass Exceedence Tonnes	Site Name
01-Jul-19	Mowi Scotland Ltd	942.8497487	Am Maol, Isle of Muck
01-Aug-19	Mowi Scotland Ltd	779.6071707	Am Maol, Isle of Muck
01-Jun-19	Mowi Scotland Ltd	570.0859908	Am Maol, Isle of Muck
01-Sep-19	Mowi Scotland Ltd	549.394223	Am Maol, Isle of Muck
01-Sep-19	Mowi Scotland Ltd	486.5900563	Bagh Dail nan Ceann North and South
01-Jul-19	Mowi Scotland Ltd	463.5125434	Bagh Dail nan Ceann North and South
01-Aug-19	Mowi Scotland Ltd	433.4627656	Bagh Dail nan Ceann North and South
01-May-19	Mowi Scotland Ltd	355.0536291	Am Maol, Isle of Muck
01-Sep-19	Mowi Scotland Ltd	305.3136406	Macleans Nose
01-May-19	Mowi Scotland Ltd	301.5320431	Bagh Dail nan Ceann North and South
01-Oct-19	Cooke Aquaculture Scotland	219	Vest Ness
01-Sep-19	Cooke Aquaculture Scotland	219	Vest Ness
01-Aug-19	Cooke Aquaculture Scotland	207	Vest Ness
01-Feb-19	Mowi Scotland Ltd	197.6667414	Skipport Outer (Ornish)
01-Dec-19	Mowi Scotland Ltd	189.5474753	Grey Horse Channel
01-Jun-19	Cooke Aquaculture Scotland	171	Vest Ness
01-May-19	Cooke Aquaculture Scotland	171	Vest Ness
01-Jan-19	Mowi Scotland Ltd	170.3520848	Skipport Outer (Ornish)
01-Jul-19	Cooke Aquaculture Scotland	152	Vest Ness
01-Apr-19	Cooke Aquaculture Scotland	137	Vest Ness
01-Jun-19	Mowi Scotland Ltd	134.2341719	Bagh Dail nan Ceann North and South
01-Sep-19	Kames Fish Farming Ltd	104	Kames Bay
01-Dec-19	Cooke Aquaculture Scotland	82	Vee Taing

Fergus Ewing MSP and 8 others

5:52 PM · Mar 12, 2020 · Twitter Web App

BBC's investigative show 'Panorama' [raised the issue of biomass breaches in May 2019](#).



Mowi's waste impacts across Scotland have resulted in rafts of "Unsatisfactory" benthic monitoring surveys - including [Loch Ewe salmon farm which Mowi has been forced to close down along with another salmon farm in Loch Duich](#). The Ross-shire Journal [reported \(22 November 2020\)](#) that the Scottish Environment Protection Agency will "implement a post closure monitoring programme to continue to assess the health of the marine environment" under Mowi's Loch Ewe salmon farm.



**Salmon Research**  
@salmonresearch



Regulatory laissez-faire.

The benthic monitoring at Isle of Ewe hasn't exactly shown salmon farming as a huge success story. But it was "profit loss" that eventually made [@MowiScotlandLtd](#) to move. Not before permission to expand was granted, of course

[fishfarmingexpert.com/article/mowi-c...](http://fishfarmingexpert.com/article/mowi-c...)

[1] Please provide a comprehensive update as to the status of the Isle Of Ewe MCFE CAR License and Benthic Monitoring Surveys.

Please see the following table:

MONITORING subform for PRE-INSPECTION FORM - master			
Survey Date	Classification	Type	Biomass
05/12/2018	Unsatisfactory	Benthic	59
15/01/2017	Unsatisfactory	Benthic	306
16/04/2015	Unsatisfactory	Benthic	1235
20/05/2013	Unsatisfactory	Benthic	789
12/04/2011	Unsatisfactory	Benthic	1135
14/07/2009	Unsatisfactory	Audit	1356
21/05/2009	Unsatisfactory	Benthic	1150
13/04/2007	Unclassified	Benthic	1667
13/09/2006	Unsatisfactory	Benthic	700
06/06/2005	Borderline	Benthic	1076

Fergus Ewing MSP and 9 others

7:15 PM · Nov 21, 2020 · Twitter for iPhone

BBC's Panorama show [featured video footage of the waste impacts of Mowi in May 2019:](#)



Diver's hands pulling up bacterial mat near to a fish farm

DAVID AINSLEY

The [video footage from diver David Ainsley](#) was captured under Mowi's Poll Na Gille salmon farm - [ranked by OneKind in 2018 as the worst salmon farm in Scotland.](#)

Analysis of the benthic data [published by the Scottish Environment Protection Agency via 'Scotland's Aquaculture'](#) reveals over 1,000 'Unsatisfactory' Environmental Monitoring Surveys for salmon farms - including the most recent surveys dominated by Mowi, The Scottish Salmon Company, Scottish Sea Farms and Grieg Seafood:

Survey Date	Monitoring Method	SEPA Classification	Submitted By	Site Name	Operator
06-Nov-19	Fauna and Residues	Unsatisfactory	Mowi Scotland Ltd	Bagh Dail nan Ceann North and South	Mowi Scotland Ltd
20-Sep-19	Benthic	Unsatisfactory	Mowi Scotland Ltd	Tabhaigh	Mowi Scotland Ltd
02-Sep-19	Benthic	Unsatisfactory	Mowi Scotland Ltd	Portnalong	Mowi Scotland Ltd
26-Aug-19	Benthic	Unsatisfactory	The Scottish Salmon Company	St Molios	The Scottish Salmon Company Ltd
31-Jul-19	Benthic	Unsatisfactory	The Scottish Salmon Company	Petersport North	The Scottish Salmon Company Ltd
01-May-19	Benthic	Unsatisfactory	Mowi Scotland Ltd	Kingairloch (Loch a Choire)	Mowi Scotland Ltd
25-Mar-19	Benthic	Unsatisfactory	Mowi Scotland Ltd	Groatay	Mowi Scotland Ltd
27-Feb-19	Benthic	Unsatisfactory	Scottish Sea Farms Ltd	Puldrite Bay	Scottish Sea Farms Ltd
27-Feb-19	Benthic	Unsatisfactory	The Scottish Salmon Company	Eport Outer (Sgeir n Lolla)	The Scottish Salmon Company Ltd
30-Jan-19	Benthic	Unsatisfactory	Mowi Scotland Ltd	Hellisay	Mowi Scotland Ltd
23-Jan-19	Benthic	Unsatisfactory	The Scottish Salmon Company	Meall Mhor	The Scottish Salmon Company Ltd
10-Jan-19	Benthic	Unsatisfactory	Scottish Sea Farms Ltd	Eday Sound (Noust Geo)	Scottish Sea Farms Ltd
05-Dec-18	Benthic	Unsatisfactory	Mowi Scotland Ltd	Isle of Ewe	Mowi Scotland Ltd
26-Nov-18	Benthic	Unsatisfactory	Scottish Sea Farms Ltd	Veantraw Bay	Scottish Sea Farms Ltd
09-Oct-18	Benthic	Unsatisfactory	The Scottish Salmon Company	Vacasay, Roag	The Scottish Salmon Company Ltd
28-Sep-18	Benthic	Unsatisfactory	Grieg Seafood Shetland Ltd	Linga (South of Linga)	Grieg Seafood Shetland Ltd
27-Sep-18	Benthic	Unsatisfactory	Scottish Sea Farms Ltd	Vidlin North	Scottish Sea Farms Ltd
08-Jun-18	Benthic	Unsatisfactory	Scottish Sea Farms Ltd	Fishnish A	Scottish Sea Farms Ltd
06-Jun-18	Benthic	Unsatisfactory	Grieg Seafood Shetland Ltd	Setterness South	Grieg Seafood Shetland Ltd
06-Jun-18	Benthic	Unsatisfactory	The Scottish Salmon Company	Kyles Vuia East	The Scottish Salmon Company Ltd
04-Apr-18	Benthic	Unsatisfactory	Scottish Sea Farms Ltd	Bring Head, Hoy	Scottish Sea Farms Ltd
21-Feb-18	Benthic	Unsatisfactory	Scottish Sea Farms Ltd	Bellister	Scottish Sea Farms Ltd
31-Jan-18	Benthic	Unsatisfactory	The Scottish Salmon Company	Inch Kenneth	The Scottish Salmon Company Ltd
30-Jan-18	Benthic	Unsatisfactory	The Scottish Salmon Company	Gometra	The Scottish Salmon Company Ltd

According to the ['Scottish Pollutant Release Inventory' published by SEPA](#), here's the top 20 salmon farms discharging the toxic chemical Azamethiphos in 2019 (dominated by Mowi/Marine Harvest):

Year	Registered Company Name (Site Name)	Azamethiphos
2019	Mowi Scotland Limited. Macleans Nose MCFF Loch Sunart	19.11
2019	Mowi Scotland Ltd. Ardintoul MCFF Loch Alsh	16.97
2019	Mowi Scotland Limited. Creag an Sagairt (West) Arnisdale Glenelg	13.19
2019	MARINE HARVEST (SCOTLAND) LIMITED. Tabhaigh MCFF Loch Erisort Isle of Lewis	12.92
2019	MARINE HARVEST (SCOTLAND) LIMITED. North Shore East MCFF Loch Erisort	11.28
2019	Kames Fish Farming Limited. Castle Bay MCFF Shuna	11.16
2019	Mowi Scotland Ltd. North Shore MCFF Loch Erisort	10.54
2019	Mowi Scotland Ltd. Greshornish MCFF Loch Greshornish	10.09
2019	Grieg Seafood Shetland Limited. Burwick West MCFF Bur Wick	9.45
2019	Mowi Scotland Ltd. Soay Sound MCFF West Loch Tarbert	8.74
2019	Mowi Scotland Ltd. Sron MCFF Loch Alsh	8.66
2019	Marine Harvest (Scotland) Ltd. Caolas a Deas (East) Isle of Lewis	8.26
2019	Mowi Scotland Limited. Grey Horse Channel MCFF	7.83
2019	Mowi Scotland Limited. Port Na Cro MCFF Shuna Sound	7.6
2019	Mowi Scotland Ltd. Groatay MCFF Cheese Bay Isle of North Uist	7.54
2019	Mowi Scotland Ltd. Camas Glas MCFF Loch Sunart	7.33
2019	Mowi Scotland Limited. Bagh Dail nan Ceann MCFF	6.14
2019	Mowi Scotland Ltd. Invasion Bay MCFF Loch Sunart	5.765
2019	Mowi Scotland Ltd. Poll na Gille MCFF Shuna	5.75
2019	Mowi Scotland Ltd. Letterfearn MCFF Loch Duich	5.55
2019	MARINE HARVEST (SCOTLAND) LTD. Caolas a Deas (West) Isle of Lewis	5.42

According to the ['Scottish Pollutant Release Inventory' published by SEPA](#), here's the top 24 salmon farms discharging the toxic chemical Deltamethrin in 2019 (again dominated by Mowi/Marine Harvest but also featuring The Scottish Salmon Company and Grieg Seafood):

Year	Registered Company Name (Site Name)	Deltamethrin
2019	Mowi Scotland Limited. Port na Moine North Loch Craignish Argyll	0.76
2019	MARINE HARVEST (SCOTLAND) LIMITED. Isle of Rum MCFF	0.6
2019	Mowi Scotland Limited. Colonsay MCFF Isle of Colonsay	0.36
2019	Mowi Scotland Ltd. Portnalong MCFF Loch Harport	0.268
2019	MARINE HARVEST (SCOTLAND) LIMITED. Muck MCFF Isle of Muck	0.263
2019	Mowi Scotland Ltd. Isle of Ewe MCFF Loch Ewe	0.218
2019	MARINE HARVEST (SCOTLAND) LIMITED. North Shore East MCFF Loch Erisort	0.135
2019	Marine Harvest (Scotland) Ltd. Seaforth MCFF Loch Seaforth Isle of Harris	0.12
2019	MARINE HARVEST (SCOTLAND) LIMITED. Noster MCFF Loch Seaforth Isle of Harris	0.094
2019	The Scottish Salmon Company Ltd. Greanamul MCFF Isle of Benbecula	0.077
2019	Mowi Scotland Ltd. North Shore MCFF Loch Erisort	0.075
2019	Marines Harvest (Scotland) Ltd. Caolas a Deas (East) Isle of Lewis	0.063
2019	MARINE HARVEST (SCOTLAND) LTD. Caolas a Deas (West) Isle of Lewis	0.063
2019	Mowi Scotland Ltd. Greshornish MCFF Loch Greshornish	0.06
2019	The Scottish Salmon Company Ltd. Uiskevagh MCFF Loch Uiskevagh	0.06
2019	The Scottish Salmon Company Limited. Loch Eport Outer MCFF Isle of North Uist	0.04
2019	The Scottish Salmon Company Ltd. Scadabay MCFF Loch Grosebay Isle of Harris	0.031
2019	The Scottish Salmon Company Ltd. Druimyeon Bay MCFF Isle of Gigha	0.03
2019	The Scottish Salmon Company Limited. Kileravagh MCFF Loch Kileravagh	0.023
2019	Mowi Scotland Limited. Bagh Dail nan Ceann MCFF	0.02
2019	The Scottish Salmon Company Ltd. Crarae Quarry Point MCFF Loch Fyne	0.015
2019	MARINE HARVEST (SCOTLAND) LIMITED. Tabhaigh MCFF Loch Erisort Isle of Lewis	0.015
2019	Grieg Seafood Shetland Limited. Cole Deep MCFF Cole Deep	0.014
2019	The Scottish Salmon Company Ltd. Reibinish MCFF East Loch Tarbert	0.013

Here's data for the first six months of 2020 [published via Scotland's Aquaculture](#) with Mowi salmon farms dominating the top 10 sites using Deltamethrin and Azamethiphos and The Scottish Salmon Company dominating the top 10 salmon farms using Emamectin benzoate:

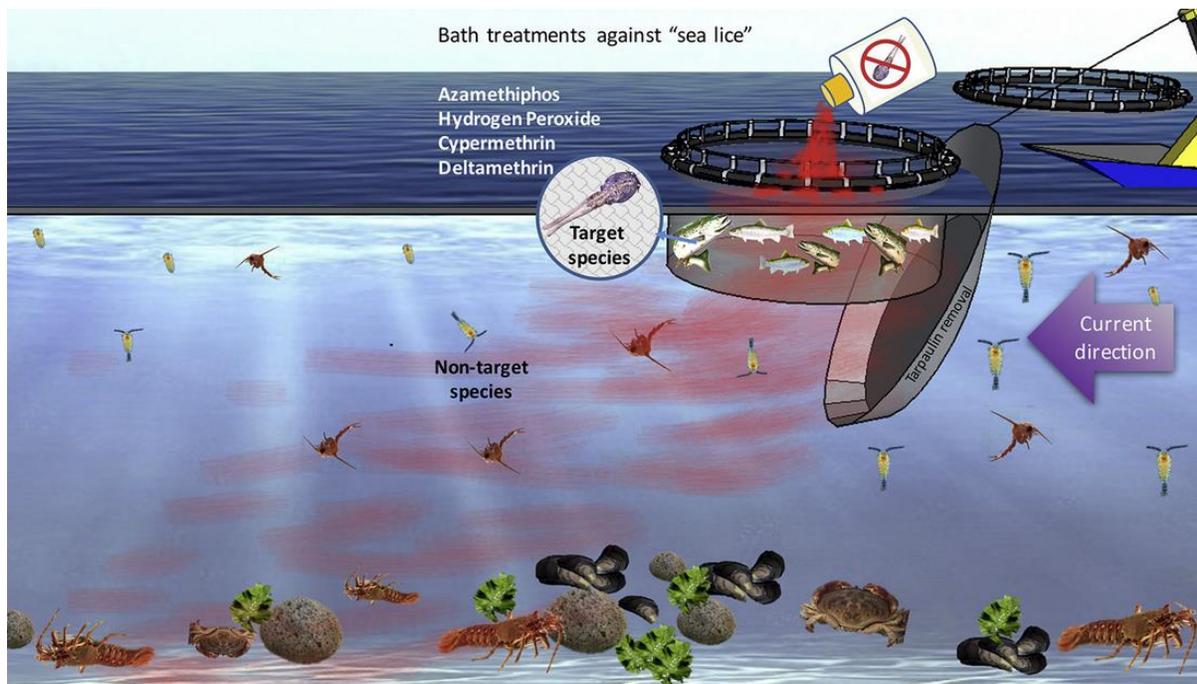
Date	Submitted By	Deltamethrin (g)	Site Name
01-Apr-20	Mowi Scotland Ltd	120	Scotasay
01-Mar-20	Mowi Scotland Ltd	70	Invasion Bay
01-Mar-20	Mowi Scotland Ltd	66.8	Eilean Raineach
01-Mar-20	Mowi Scotland Ltd	50	Scotasay
01-Jun-20	The Scottish Salmon Company	37.5	Plocrapol
01-Jan-20	The Scottish Salmon Company	22.5	Vacasay, Roag
01-May-20	Kames Fish Farming Ltd	18.75	Rubh an Trilleachain
01-Feb-20	Mowi Scotland Ltd	17.5	Invasion Bay
01-Feb-20	The Scottish Salmon Company	15	Vuia Mor South
01-May-20	Kames Fish Farming Ltd	12	Kames Bay

Date	Submitted By	Azamethiphos (g)	Site Name
01-Jun-20	Mowi Scotland Ltd	7280.000014	Greshornish
01-Jun-20	Mowi Scotland Ltd	7200.00006	Creag an Sagairt West
01-May-20	Mowi Scotland Ltd	4080.000043	Soay Sound
01-Jun-20	Grieg Seafood Shetland Ltd	4000	Ru Chorachan
01-Mar-20	Mowi Scotland Ltd	3379.999936	Soay Sound
01-Apr-20	Mowi Scotland Ltd	3200.000048	Scotasay
01-Apr-20	The Scottish Salmon Company	3200	Trilleachan Mor
01-May-20	Grieg Seafood Shetland Ltd	3200	Ru Chorachan
01-Apr-20	Mowi Scotland Ltd	3149.999946	Soay Sound
01-Jun-20	The Scottish Salmon Company	3040	Taranaish

Date	Submitted By	Emamectin Benzoate (g)	Site Name
01-May-20	The Scottish Salmon Company	544	Ardgaddan
01-Feb-20	The Scottish Salmon Company	525.28	Eughlam South
01-Feb-20	The Scottish Salmon Company	508.6	Eughlam North
01-May-20	The Scottish Salmon Company	504	Strondoir Bay
01-May-20	Mowi Scotland Ltd	479.88	Sconser Quarry
01-Jun-20	The Scottish Salmon Company	463.3	Scadabay
01-May-20	Cooke Aquaculture Scotland	459.08	Cloudin
01-Feb-20	The Scottish Salmon Company	451.92	Trilleachan Mor
01-Feb-20	The Scottish Salmon Company	446.74	Vuia Mor South
01-Feb-20	The Scottish Salmon Company	442.8	Kyles Vuia East

Data [published via Scotland's Aquaculture](#) (sourced return submitted by salmon farms to the Scottish Environment Protection Agency) detail how Norwegian-owned companies dominate the use of toxic chemicals. Here's the top 20 monthly uses of Deltamethrin headed by Mowi/Marine Harvest and The Scottish Salmon Company - with 2075 monthly uses reported since Deltamethrin was first used in September 2008 (Deltamethrin replaced the [equally toxic Cypermethrin](#) which was [used in Scotland from the late 1990s](#) - [often illegally](#) - and phased out on Scottish salmon farms in 2011):

Date	Submitted By	Deltamethrin (g)	Site Name
01-Mar-19	Mowi Scotland Ltd	480	Port na Moine Site 2 (North)
01-Jul-14	The Scottish Salmon Company	400	Vuia Beag
01-Aug-11	Marine Harvest (Scotland) Ltd	385	Camas an Leim (Torridon)
01-Feb-15	Marine Harvest (Scotland) Ltd	357.5	Camas an Leim (Torridon)
01-Jul-14	The Scottish Salmon Company	337.5	Kyles Vuia East
01-Sep-11	Marine Harvest (Scotland) Ltd	332.5	Camas an Leim (Torridon)
01-Jul-14	The Scottish Salmon Company	312.5	Taranaish
01-Jul-14	The Scottish Salmon Company	287.5	Vacasay, Roag
01-Oct-15	Marine Harvest (Scotland) Ltd	285	Poll na Gille
01-Sep-12	The Scottish Salmon Company	280	Vuia Beag
01-Oct-13	Marine Harvest (Scotland) Ltd	275	Cairidh
01-Mar-16	Marine Harvest (Scotland) Ltd	270	Sron
01-Aug-12	The Scottish Salmon Company	270	Vuia Beag
01-Jul-15	Marine Harvest (Scotland) Ltd	262.5	Hellisay
01-Apr-15	Marine Harvest (Scotland) Ltd	262.5	Camas an Leim (Torridon)
01-Sep-18	Marine Harvest (Scotland) Ltd	255	Isle of Rum
01-Jun-15	Marine Harvest (Scotland) Ltd	255	Camas an Leim (Torridon)
01-Mar-15	Marine Harvest (Scotland) Ltd	255	Camas an Leim (Torridon)
01-Dec-15	The Scottish Salmon Company	250	Gravir Outer
01-Nov-15	Kames Fish Farming Ltd	250	Rubh an Trilleachain



Marine Harvest (re-named Mowi in 2019 [despite objections from the Mowinkel family who did not want their good name dragged into the gutter](#)) only [established a new salmon farm at Am Maol on the Isle of Muck in 2014](#) (in 2018 Mowi [announced they wanted to expand the biomass](#)). Yet they reported a dozen doses of Emamectin benzoate between 2014 and 2018:

Date	Submitted By	Emamectin Benzoate (g)	Site Name
01-Oct-18	Marine Harvest	27.628	Am Maol, Isle of Muck
01-Sep-18	Marine Harvest	141.3724	Am Maol, Isle of Muck
01-Aug-18	Marine Harvest	48	Am Maol, Isle of Muck
01-Sep-16	Marine Harvest	396.8	Am Maol, Isle of Muck
01-Aug-16	Marine Harvest	4.7684	Am Maol, Isle of Muck
01-Jul-16	Marine Harvest	202.4316	Am Maol, Isle of Muck
01-Jun-16	Marine Harvest	65.6412	Am Maol, Isle of Muck
01-May-16	Marine Harvest	40.758	Am Maol, Isle of Muck
01-Jun-15	Marine Harvest	116.127	Am Maol, Isle of Muck
01-May-15	Marine Harvest	653.873	Am Maol, Isle of Muck
01-Mar-15	Marine Harvest	201.5999908	Am Maol, Isle of Muck
01-Sep-14	Marine Harvest	105	Am Maol, Isle of Muck

- Mowi's aptly named Muck salmon farm ([certified as welfare friendly via RSPCA Assured](#)) which was the subject to an anonymous tip-off regarding mortalities due to disease and a failed Hydrolicer treatment and [biomass breaches](#) in August 2019 (including [video footage](#) of a fatty oil slick and photos of dead fish).



Mowi's salmon farm at Camas an Leim in Loch Torridon has [reported 28 monthly uses of Emamectin benzoate since 2010](#).

Date	Submitted By	Emamectin Benzoate (g)	Site Name
01-Apr-20	Mowi Scotland Ltd	357.2	Camas an Leim (Torridon)
01-Feb-20	Mowi Scotland Ltd	209	Camas an Leim (Torridon)
01-Aug-18	Marine Harvest (Scotland) Ltd	558	Camas an Leim (Torridon)
01-Apr-18	Marine Harvest (Scotland) Ltd	126.707854	Camas an Leim (Torridon)
01-Mar-18	Marine Harvest (Scotland) Ltd	20.692	Camas an Leim (Torridon)
01-Feb-18	Marine Harvest (Scotland) Ltd	7.52328	Camas an Leim (Torridon)
01-Jan-18	Marine Harvest (Scotland) Ltd	64.4766912	Camas an Leim (Torridon)
01-Aug-16	Marine Harvest (Scotland) Ltd	739.8199838	Camas an Leim (Torridon)
01-Mar-16	Marine Harvest (Scotland) Ltd	205.2	Camas an Leim (Torridon)
01-Jan-16	Marine Harvest (Scotland) Ltd	158.3999823	Camas an Leim (Torridon)
01-Dec-15	Marine Harvest (Scotland) Ltd	94.996	Camas an Leim (Torridon)
01-Dec-14	Marine Harvest (Scotland) Ltd	2.743642067	Camas an Leim (Torridon)
01-Nov-14	Marine Harvest (Scotland) Ltd	513.2563226	Camas an Leim (Torridon)
01-Oct-14	Marine Harvest (Scotland) Ltd	401.5999735	Camas an Leim (Torridon)
01-Aug-14	Marine Harvest (Scotland) Ltd	176.399929	Camas an Leim (Torridon)
01-Jul-14	Marine Harvest (Scotland) Ltd	23.57710631	Camas an Leim (Torridon)
01-Jun-14	Marine Harvest (Scotland) Ltd	68.22489135	Camas an Leim (Torridon)
01-Jun-13	Marine Harvest (Scotland) Ltd	858	Camas an Leim (Torridon)
01-Jan-13	Marine Harvest (Scotland) Ltd	1272.048014	Camas an Leim (Torridon)
01-Nov-12	Marine Harvest (Scotland) Ltd	410.7530744	Camas an Leim (Torridon)
01-Oct-12	Marine Harvest (Scotland) Ltd	69.27890036	Camas an Leim (Torridon)
01-Aug-12	Marine Harvest (Scotland) Ltd	110.082	Camas an Leim (Torridon)
01-Jul-12	Marine Harvest (Scotland) Ltd	36.918	Camas an Leim (Torridon)
01-Jun-12	Marine Harvest (Scotland) Ltd	110	Camas an Leim (Torridon)
01-Mar-11	Marine Harvest (Scotland) Ltd	924.8000259	Camas an Leim (Torridon)
01-Dec-10	Marine Harvest (Scotland) Ltd	605	Camas an Leim (Torridon)
01-Sep-10	Marine Harvest (Scotland) Ltd	108.355	Camas an Leim (Torridon)
01-Jun-10	Marine Harvest (Scotland) Ltd	108	Camas an Leim (Torridon)

Recent peer-reviewed scientific research has added to the [weight of evidence against the use of Azamethiphos, Deltamethrin, Emamectin benzoate, Hydrogen peroxide and Imidacloprid in salmon farming](#).

In September 2020, the [Institute of Marine Research in Bergen](#) reported:



## INSTITUTE OF MARINE RESEARCH

New lab experiments show anti-sea lice agent deltamethrin is highly toxic to lobster larvae

When researchers simulated anti-sea lice treatments, the plume of chemicals that can be dangerous to the larvae typically spread out 5 to 15 kilometres as it diluted.

The findings have been presented in a new scientific article based on a two-part study. The marine scientists started by documenting how toxic the anti-sea lice pesticides azamethiphos and deltamethrin are to lobster larvae in laboratory experiments.

### Both chemicals were acutely toxic in low doses

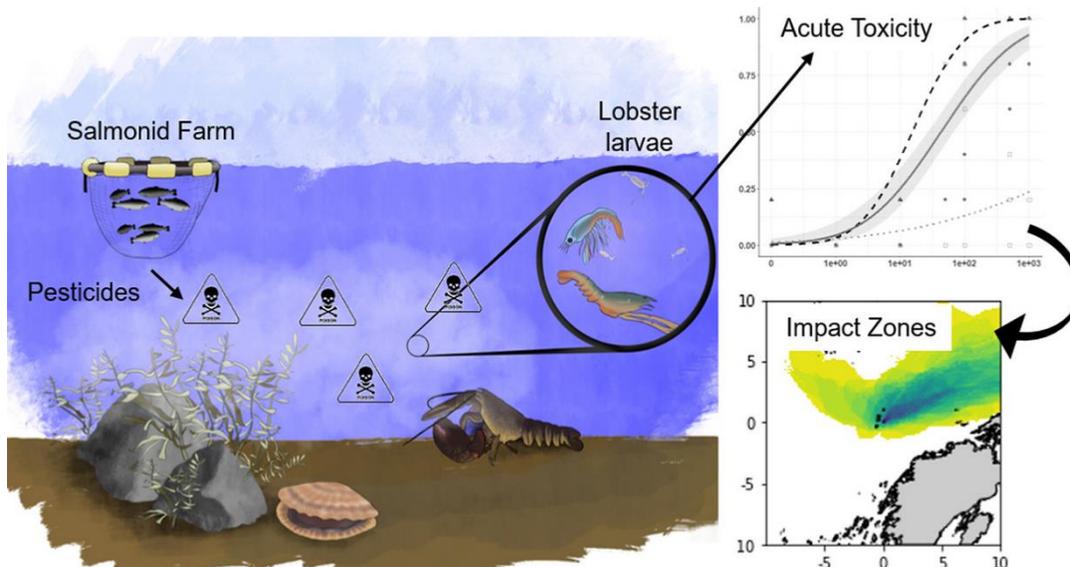
"The delousing agents azamethiphos and deltamethrin are acutely toxic to lobster larvae even in small concentrations", says marine scientist Aoife Parsons.

The results for deltamethrin were particularly striking, with the deadly dose after an hour's exposure being 800 times weaker than the concentration that salmon are bathed in.

The researchers consider one hour to be a short period of exposure.



Read more via the scientific paper: "[The impact of anti-sea lice pesticides, azamethiphos and deltamethrin, on European lobster \(\*Homarus gammarus\*\) larvae in the Norwegian marine environment](#)"



The use of the [carcinogenic chemical Formaldehyde \(Formalin\)](#) has already [evaded public reporting](#) but at least some data has been accessed via Freedom of Information revealing how Mowi leads the way.



More than 22 tonnes of formaldehyde, which causes cancer, were poured into cages to disinfect salmon in Loch Ness, Loch Sheil, Loch Lochy and seven other lochs over nine months in 2019.



Toxic fish farm pesticide polluted ten lochs across Scotland  
Ten lochs across Scotland have been polluted by a toxic pesticide used by fish farms to control fungus, parasites and disease.  
[theferret.scot](#)

11:08 AM - May 24, 2020 - Twitter Web App



REVEALED: Carcinogenic Chemical Formaldehyde Flooding Scottish Lochs [tinyurl.com/ybttjabj](https://tinyurl.com/ybttjabj)  
[@ScottishEPA](#) [@marinescotland](#) [@GreenerScotland](#)  
[@vmdgovuk](#) [@MowiScotlandLtd](#) [@scotseafarms](#)  
[@salmon\\_scottish](#) [@SSPOsays](#) [@ASC\\_aqua](#)  
[@SoilAssociation](#) [@HGSalmonUK](#) [@WeAreBenchmark](#)  
[@hirst\\_official](#)

Scottish Salmon Watch, 24 May 2020

**REVEALED: Carcinogenic Chemical Formaldehyde Flooding Scottish Lochs**



- FOI reveals over 22 tonnes of carcinogenic chemical used in freshwater lochs including Ness, Lochy, Tralrig, Arkaig, Shin, Damph, Avich, Fresa & Garry in 2019
  - Video footage reveals use of Formaldehyde in Loch Tralrig
  - Mowi named as the biggest user of Formaldehyde followed by Kames
- Aquaculture Stewardship Council set to certify Mowi's salmon farms in Loch Lochy, Loch Arkaig & Glenfinnan (Loch Shiel) despite Formaldehyde use
- Campaigners call for ban on Formaldehyde & public register of toxic chemicals

10:59 AM - May 24, 2020 - Twitter Web App

Scottish Salmon Watch [reported in May 2020](#):

Here's the top twenty biggest reported uses of Formaldehyde in 2019 (April to December) - the top ten is monopolised by [Norwegian salmon farming giant Mowi](#) who [BBC Panorama reported in May 2019](#) was "one of a number of firms under investigation for possible misreporting of chemical use":

Site Name	Operator	Licence	Month	Formaldehyde (active ingredient in grams)
Loch Lochy	Mowi Scotland Ltd	CAR/L/1002140	Sep-19	3525000
Loch Lochy	Mowi Scotland Ltd	CAR/L/1002140	Oct-19	2606000
Invermallie, Loch Arkaig	Mowi Scotland Ltd	CAR/L/1002071	Apr-19	2195625
Loch Lochy	Mowi Scotland Ltd	CAR/L/1002140	Dec-19	1743750
Loch Lochy	Mowi Scotland Ltd	CAR/L/1002140	Aug-19	1612500
Camas na Mult, Loch Ness	Mowi Scotland Ltd	CAR/L/1001886	Oct-19	1294000
Loch Lochy	Mowi Scotland Ltd	CAR/L/1002140	Jul-19	1087500
Glenfinnan	Mowi Scotland Ltd	CAR/L/1008960	Nov-19	1057500
Invermallie, Loch Arkaig	Mowi Scotland Ltd	CAR/L/1002071	Nov-19	1012500
Glenfinnan	Mowi Scotland Ltd	CAR/L/1008960	Oct-19	825000
Loch Tralaig	Kames Fish Farming Ltd	CAR/L/1000233	Nov-19	624000
Camas na Mult, Loch Ness	Mowi Scotland Ltd	CAR/L/1001886	Sep-19	618700
Loch Tralaig	Kames Fish Farming Ltd	CAR/L/1000233	Dec-19	526000
Glenfinnan	Mowi Scotland Ltd	CAR/L/1008960	Dec-19	450000
Loch Lochy	Mowi Scotland Ltd	CAR/L/1002140	Nov-19	393750
Glenfinnan	Mowi Scotland Ltd	CAR/L/1008960	Sep-19	337500
Loch Garry	Mowi Scotland Ltd	CAR/L/1008962	Aug-19	312375
Camas na Mult, Loch Ness	Mowi Scotland Ltd	CAR/L/1001886	Nov-19	281250
Loch Tralaig	Kames Fish Farming Ltd	CAR/L/1000233	Oct-19	253000
Corrie Kinloch, Loch Shin	Migdale Smolt Ltd	CAR/L/1003918	Nov-19	247500

Mowi is [owned/controlled](#) by [Norway's richest man John Fredriksen](#) - [ranked 20th on The Sunday Times 2020 Rich List](#) with [£6.63 billion \(\\$10 billion according to Forbes\)](#).

The locations with the biggest use of Formaldehyde were Loch Lochy (11 tonnes); Loch Arkaig (3.2 tonnes); Glenfinnan on Loch Shiel (2.8 tonnes); Loch Ness (2.2 tonnes) - all Mowi; and Loch Tralaig (1.4 tonnes) - Kames. [Norwegian-owned giant Mowi \(who changed their name from Marine Harvest in 2019 due to negative consumer perception\)](#) accounted for the vast majority of use with 19.6 tonnes (88%) followed by [Kames](#) with 2.2 tonnes.

Last year, [data disclosed by SEPA](#) for the use of Formaldehyde reported that only one company (Marine Harvest, [who became Mowi on 1 January 2019](#)) had used 26.4 tonnes in 2017 and 24.3 tonnes in 2018 at only four salmon farms in 30 monthly reports to SEPA (although 184 fish farms in Scotland are licensed to use it). Here's the top 10 biggest uses in 2017 and 2018:

Site Name	Operator	Licence	Month	Formaldehyde (active ingredient in grams)
Loch Lochy	Marine Harvest (Scotland) Ltd	CAR/L/1002140	Mar-18	4443750
Loch Lochy	Marine Harvest (Scotland) Ltd	CAR/L/1002140	Aug-17	4200000
Loch Lochy	Marine Harvest (Scotland) Ltd	CAR/L/1002140	Feb-18	3712500
Glenfinnan	Marine Harvest (Scotland) Ltd	CAR/L/1008960	Oct-17	3226875
Loch Lochy	Marine Harvest (Scotland) Ltd	CAR/L/1002140	Jan-18	3093750
Loch Lochy	Marine Harvest (Scotland) Ltd	CAR/L/1002140	Sep-17	2831250
Loch Lochy	Marine Harvest (Scotland) Ltd	CAR/L/1002140	Dec-17	2525000
Invermallie, Loch Arkaig	Marine Harvest (Scotland) Ltd	CAR/L/1002071	Feb-18	2456250
Invermallie, Loch Arkaig	Marine Harvest (Scotland) Ltd	CAR/L/1002071	Jan-18	2325000
Loch Lochy	Marine Harvest (Scotland) Ltd	CAR/L/1002140	Jul-18	2231250

**- Feed Impacts:** Salmon farming's [dependence upon wild caught fisheries as a source of feed](#) has long been a cause of concern and controversy - whether it is via chemical contamination of the sea-bed via [copper, zinc or cadmium](#) or [PCBs and other cancer-causing contaminants](#); or via [contamination of the flesh of farm salmon](#) or via the ['net loss' on fisheries](#) and [impacts on forest ecosystems via deforestation due to the increasing use of soy](#). Data [published via Scotland's Aquaculture web-site \(sourced from SEPA\)](#) show the biggest feed users since 2002 - here's the largest monthly feed users as reported by Norwegian-owned companies with Mowi leading the way with Scottish Sea Farms and Grieg Seafood also featured:

Date	Feed (kg)	Site Name	Operator
01-Oct-16	800092	Camas an Leim (Torridon)	Mowi Scotland Ltd
01-Oct-11	764902	Maol Ban	Mowi Scotland Ltd
01-Oct-18	733371	Marulaig Bay	Mowi Scotland Ltd
01-Jun-20	729135	Colonsay	Mowi Scotland Ltd
01-Oct-19	727315	MacLeans Nose	Mowi Scotland Ltd
01-Aug-13	703847	Crooie (Site 1)	Scottish Sea Farms Ltd
01-Jul-19	694786	Isle of Rum	Mowi Scotland Ltd
01-Oct-13	678644	Erisort, North Shore West	Mowi Scotland Ltd
01-Jul-19	676136	Am Maol, Isle of Muck	Mowi Scotland Ltd
01-Sep-11	675825	Maol Ban	Mowi Scotland Ltd
01-Oct-10	669334	Grey Horse Channel	Mowi Scotland Ltd
01-Oct-18	665273	Stulaigh Island	Mowi Scotland Ltd
01-Sep-13	662008	Erisort, North Shore West	Mowi Scotland Ltd
01-Nov-16	656108	Colonsay	Mowi Scotland Ltd
01-Oct-16	653456	Colonsay	Mowi Scotland Ltd
01-Oct-17	652942	Creag an Sagairt West	Mowi Scotland Ltd
01-Jul-17	649832	Creag an Sagairt West	Mowi Scotland Ltd
01-Aug-17	629125	Bagh Dail nan Ceann N & S	Mowi Scotland Ltd
01-Oct-03	627922	West of Burwick	Grieg Seafood Shetland Ltd
01-Oct-12	621083	Greshornish	Mowi Scotland Ltd
01-Aug-19	615039	Isle of Rum	Mowi Scotland Ltd
01-Jun-16	614739	Carradale (South)	Mowi Scotland Ltd
01-Sep-16	610003	Gorsten	Mowi Scotland Ltd
01-Aug-16	609489	Camas an Leim (Torridon)	Mowi Scotland Ltd
01-Nov-18	609402	Marulaig Bay	Mowi Scotland Ltd
01-Jul-13	609069	Carradale (South)	Mowi Scotland Ltd
01-May-20	604345	Colonsay	Mowi Scotland Ltd
01-Aug-19	594678	Am Maol, Isle of Muck	Mowi Scotland Ltd
01-Sep-19	593744	MacLeans Nose	Mowi Scotland Ltd
01-Sep-11	592283	Camas an Leim (Torridon)	Mowi Scotland Ltd
01-Sep-18	592107	Carradale (South)	Mowi Scotland Ltd
01-Sep-10	590135	Grey Horse Channel	Mowi Scotland Ltd
01-Sep-16	578100	Camas an Leim (Torridon)	Mowi Scotland Ltd
01-Aug-09	577343	Camas an Leim (Torridon)	Mowi Scotland Ltd
01-Nov-19	576451	MacLeans Nose	Mowi Scotland Ltd
01-Aug-19	576158	Bagh Dail nan Ceann North	Mowi Scotland Ltd
01-Aug-18	575097	Colonsay	Mowi Scotland Ltd
01-Nov-16	570651	Carradale (North)	Mowi Scotland Ltd
01-Jul-19	569431	Bagh Dail nan Ceann North	Mowi Scotland Ltd
01-Jul-10	568195	Cole Deep	Grieg Seafood Shetland Ltd



Feedback [reported in June 2020:](#)



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## CUT 'WASTEFUL' SCOTTISH FARMED SALMON AND EAT A MORE DIVERSE RANGE OF FISH FOR A SUSTAINABLE SEAFOOD DIET

25th Jun 20  
by *Jessica Sinclair Taylor*

Farmed salmon industry challenged to overhaul feed practices to protect wild fish

Feedback [reported in July 2019:](#)



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## 310K TONNES OF WILD FISH A YEAR WILL BE NEEDED TO FEED SCOTTISH SALMON INDUSTRY'S AMBITIONS TO DOUBLE IN SIZE BY 2030

1st Jul 19  
by *Feedback*

The salmon industry uses roughly the same quantity of wild-caught fish to feed its salmon as is purchased by entire UK population.

Read more via:



# UNCOVERING THE TRUTH BEHIND SCOTTISH FISH FARMING

Scottish Salmon Watch updated new data via a blog “[Irresponsible Scottish Salmon Exposed: 'Scotland's Aquaculture' Publishes Data on Toxic Chemicals Use, Morts & Biomass Breaches](#)” published on 21 October 2021:



**Don Staniford**  
@TheGAAIA



Data Junkies Alert - here's the worst salmon farms breaching @ScottishEPA biomass limits since Jan 2020 (126 cases involving 19,157 tonnes). Mowi dominates the list @MowiScotlandLtd which also includes @scotseafarms & @CookeScotland [aquaculture.scotland.gov.uk/data/fish\\_farm...](http://aquaculture.scotland.gov.uk/data/fish_farm...) @SSPOsays @TerryAHearn

Date	Site Name	Operator	Max Biomass Allowed (tonnes)	Biomass Exceedence (tonnes)
01-Sep-20	Colonsay	Mowi Scotland Ltd	3500	629.082994
01-Feb-20	Grey Horse Channel	Mowi Scotland Ltd	1750	609.6462778
01-Nov-20	Gorsten	Mowi Scotland Ltd	2500	496.4
01-Feb-21	Scalpay	Mowi Scotland Ltd	2500	496.3
01-Jan-21	Scalpay	Mowi Scotland Ltd	2500	476.4
01-Jan-20	Grey Horse Channel	Mowi Scotland Ltd	1750	475.5576643
01-Dec-20	Gorsten	Mowi Scotland Ltd	2500	446.5
01-Feb-21	Marulaig Bay	Mowi Scotland Ltd	2400	417.6
01-Aug-20	Carradale (South)	Mowi Scotland Ltd	2500	414.1600121
01-Jan-21	Marulaig Bay	Mowi Scotland Ltd	2400	411.7
01-May-21	Poll na Gille	Mowi Scotland Ltd	2500	408.8
01-Jan-21	Gorsten	Mowi Scotland Ltd	2500	403.5
01-Jul-20	Carradale (South)	Mowi Scotland Ltd	2500	338.2329989
01-May-20	Fiunary	Scottish Sea Farms Ltd	2156	326.5
01-Jan-21	Skipport Outer (Ornish)	Mowi Scotland Ltd	1710	326.2
01-Dec-20	Skipport Outer (Ornish)	Mowi Scotland Ltd	1710	319.6
01-Mar-21	Scalpay	Mowi Scotland Ltd	2500	300.4
01-Apr-21	Poll na Gille	Mowi Scotland Ltd	2500	291.6
01-Dec-20	An Camas (East)	Mowi Scotland Ltd	1471	290
01-Jul-20	Slocka (Site C)	Scottish Sea Farms Ltd	1500	287
01-Jan-21	An Camas (East)	Mowi Scotland Ltd	1471	285
01-Aug-20	Slocka (Site C)	Scottish Sea Farms Ltd	1500	280
01-Mar-21	Marulaig Bay	Mowi Scotland Ltd	2400	274
01-Jan-21	Vest Ness	Cooke Aquaculture Scotland	720	259
01-Oct-20	Ardgour (Linnhe)	Mowi Scotland Ltd	2500	243.9
01-Nov-20	Ardgour (Linnhe)	Mowi Scotland Ltd	2500	238.9
01-Nov-20	An Camas (East)	Mowi Scotland Ltd	1471	238.6
01-Dec-20	Ardgour (Linnhe)	Mowi Scotland Ltd	2500	234.2
01-Feb-21	Creag an Sagairt West	Mowi Scotland Ltd	2500	228.3
01-May-21	Creag an Sagairt West	Mowi Scotland Ltd	2500	224.2
01-Apr-21	Creag an Sagairt West	Mowi Scotland Ltd	2500	222.6
01-Aug-20	Colonsay	Mowi Scotland Ltd	3500	219.8861258
01-Jul-20	Groatay	Mowi Scotland Ltd	1850	215.9771117

12:25 PM · Oct 20, 2021 (i)



**Don Staniford**  
@TheGAAIA



Revealed: Here's the salmon farms with the highest mortalities since January 2020 (data up to June 2021)  
@ScottishEPA The worst companies are the Faroese/Norwegian-owned @salmon\_scottish; Norwegian @MowiScotlandLtd & Norwegian @GriegShetland  
[aquaculture.scotland.gov.uk/data/fish\\_farm...](http://aquaculture.scotland.gov.uk/data/fish_farm...)

Date	Site Name	Operator	Mortalities (Kg)
01-Aug-20	Sgian Dubh	The Scottish Salmon Company Ltd	682688.7
01-Aug-20	Strone Point	The Scottish Salmon Company Ltd	569941.5
01-Aug-20	Leinish Bay	Isle of Skye Salmon Ltd	455516
01-Aug-20	Stulaigh Island	Mowi Scotland Ltd	369218.0415
01-Jul-20	Stulaigh Island	Mowi Scotland Ltd	368589.6613
01-Nov-20	Achnacroish (Walters, Lismore East)	Scottish Sea Farms Ltd	351494
01-Oct-20	Creran B	Scottish Sea Farms Ltd	304798
01-Sep-20	Leinish Bay	Isle of Skye Salmon Ltd	301865
01-Oct-20	Plocrapol	The Scottish Salmon Company Ltd	269113
01-Sep-20	Carradale (South)	Mowi Scotland Ltd	259265.0886
01-Oct-20	Ardgaddan	The Scottish Salmon Company Ltd	251473.5
01-Aug-20	Trilleachan Mor	The Scottish Salmon Company Ltd	236416.5
01-Sep-20	Vacasay, Roag	The Scottish Salmon Company Ltd	232188.3
01-Aug-20	Corlarach	Isle of Skye Salmon Ltd	222718
01-Aug-20	Carradale (North)	Mowi Scotland Ltd	213739.7253
01-Oct-20	Scadabay	The Scottish Salmon Company Ltd	210954
01-Mar-20	Setterness North	Grieg Seafood Shetland Ltd	199000
01-Mar-21	Sgeir Dughall	The Scottish Salmon Company Ltd	189392.3
01-Oct-20	Glenan Bay	The Scottish Salmon Company Ltd	173373.6
01-Sep-20	Carradale (North)	Mowi Scotland Ltd	166577.2937
01-Aug-20	An Camas (East)	Mowi Scotland Ltd	155561.0803
01-Oct-20	Reibinish	The Scottish Salmon Company Ltd	148655.7
01-Aug-20	Ru Chorachan	Isle of Skye Salmon Ltd	142623
01-Aug-20	Taranaish	The Scottish Salmon Company Ltd	128469.2
01-May-20	Swining Voe Site 3 (Collafirth Ness)	Grieg Seafood Shetland Ltd	127690
01-Sep-20	Trilleachan Mor	The Scottish Salmon Company Ltd	126846.3
01-Aug-20	Strondoir Bay	The Scottish Salmon Company Ltd	121009.4
01-Nov-20	Ru Chorachan	Isle of Skye Salmon Ltd	119239
01-Oct-20	North Voe	Grieg Seafood Shetland Ltd	116684
01-Apr-20	Setterness North	Grieg Seafood Shetland Ltd	115767
01-Oct-20	Camas an Leim (Torridon)	Mowi Scotland Ltd	112419.1
01-Jan-20	Greshornish	Mowi Scotland Ltd	111675.5932

12:35 PM · Oct 20, 2021





**Don Staniford**  
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Say no to drugs - boycott chemically embalmed Scottish salmon! [tinyurl.com/chph87rm](https://tinyurl.com/chph87rm)

Data @ScottishEPA reveals the junkie salmon pharmer's using shellfish-killing toxic chemicals Deltamethrin, Azamethiphos & Emamectin @MowiScotlandLtd @scotseafarms @GriegShetland @SSPOsays

Date	Site Name	Operator	Deltamethrin grams	Date	Site Name	Operator	Deltamethrin grams
01-Aug-20	Colonsay	Mowi Scotland Ltd	390	01-Apr-21	MacLeans Nose	Mowi Scotland Ltd	6640
01-Aug-20	Am Mòr, Isle of Muck	Mowi Scotland Ltd	305	01-Aug-20	Scalpay	Mowi Scotland Ltd	6800
01-Jul-20	Colonsay	Mowi Scotland Ltd	215	01-Jan-21	Stuigh Island	Mowi Scotland Ltd	6300
01-Aug-20	Grey Horse Channel	Mowi Scotland Ltd	195	01-May-21	Marulaig Bay	Mowi Scotland Ltd	5400
01-Sep-20	Portnalong	Mowi Scotland Ltd	160	01-Jun-21	Grey Horse Channel	Mowi Scotland Ltd	5250
01-Aug-20	Portnalong	Mowi Scotland Ltd	130	01-Feb-21	Bagh Dail nan Ceann W	Mowi Scotland Ltd	5160
01-Apr-20	Scotassay	Mowi Scotland Ltd	120	01-Jun-21	Grey Horse Channel Du	Mowi Scotland Ltd	5000
01-Aug-20	Slippert Outer (Ornish)	Mowi Scotland Ltd	120	01-May-21	Grey Horse Channel	Mowi Scotland Ltd	4900
01-Jul-20	Portnalong	Mowi Scotland Ltd	120	01-Jun-21	Groatay	Mowi Scotland Ltd	4550
01-Jul-20	Am Mòr, Isle of Muck	Mowi Scotland Ltd	100	01-Apr-21	Creag an Sgairt West	Mowi Scotland Ltd	4400
01-Aug-20	Isle of Ewe	Mowi Scotland Ltd	87.5	01-May-21	Groatay	Mowi Scotland Ltd	4200
01-Aug-20	Stuigh Island	Mowi Scotland Ltd	75	01-Mar-21	MacLeans Nose	Mowi Scotland Ltd	4160
01-Mar-20	Invasion Bay	Mowi Scotland Ltd	70	01-Jan-21	Soay Sound	Mowi Scotland Ltd	4130
01-Mar-20	Eilean Baineach	Mowi Scotland Ltd	66.8	01-Dec-20	Soay Sound	Mowi Scotland Ltd	4130
01-Aug-20	An Camas (East)	Mowi Scotland Ltd	60	01-May-20	Soay Sound	Mowi Scotland Ltd	4080 000043
				01-Oct-20	Camas an Laim (Florida)	Mowi Scotland Ltd	4020
Date	Site Name	Operator	Emamectin Benzoate grams				
01-Sep-20	Scalpay	Mowi Scotland Ltd	125.3				
01-Jul-20	Camas an Laim (Florida)	Mowi Scotland Ltd	86.4				
01-Aug-20	Ardfour (Ornish)	Mowi Scotland Ltd	85.6				
01-Jun-21	Am Mòr, Isle of Muck	Mowi Scotland Ltd	81.1				
01-Sep-20	Maid Ben	Mowi Scotland Ltd	799.8				
01-Sep-20	Canish	Mowi Scotland Ltd	771.4				
01-Sep-20	Hellicks	Mowi Scotland Ltd	750				
01-Jun-21	Hunda North	Scottish Sea Farms Ltd	588				
01-Oct-20	Ard An-thailig	The Scottish Salmon Company	588.4				
01-Jul-20	Fuinary	Scottish Sea Farms Ltd	544				
01-May-20	Argaddie	The Scottish Salmon Company	534				
01-Jul-20	Scalpay	Mowi Scotland Ltd	540				
01-Aug-20	Gorran	Mowi Scotland Ltd	534.6				
01-Jun-21	Wearnoster	Scottish Sea Farms Ltd	534				
01-Aug-20	Colonsay	Mowi Scotland Ltd	529.2				
01-Feb-20	Eglham South	The Scottish Salmon Company	525.28				
01-May-21	Drumyear Bay	The Scottish Salmon Company	519.36				
01-Apr-20	Eilean Baineach	The Scottish Salmon Company	516.8				

7:40 AM · Oct 21, 2021



Date	Site Name	Operator	Emamectin Benzoate grams
01-Sep-20	Scalpay	Mowi Scotland Ltd	1253
01-Jul-20	Camas an Leim (Torridon)	Mowi Scotland Ltd	862.4
01-Aug-20	Ardgour (Linnhe)	Mowi Scotland Ltd	855.6
01-Jun-21	Am Maol, Isle of Muck	Mowi Scotland Ltd	811.2
01-Sep-20	Maol Ban	Mowi Scotland Ltd	799.8
01-Sep-20	Cairidh	Mowi Scotland Ltd	771.4
01-Sep-20	Hellisay	Mowi Scotland Ltd	750
01-Jun-21	Hunda North	Scottish Sea Farms Ltd	584
01-Oct-20	Aird Ardheslaig	The Scottish Salmon Company	566.4
01-Jul-20	Fiunary	Scottish Sea Farms Ltd	544
01-May-20	Ardgaddan	The Scottish Salmon Company	544
01-Jul-20	Scalpay	Mowi Scotland Ltd	540
01-Aug-20	Gorsten	Mowi Scotland Ltd	534.6
01-Jun-21	Westerbister	Scottish Sea Farms Ltd	534
01-Aug-20	Colonsay	Mowi Scotland Ltd	529.2
01-Feb-20	Eughlam South	The Scottish Salmon Company	525.28
01-May-21	Druimyeon Bay	The Scottish Salmon Company	519.06
01-Feb-20	Eughlam North	The Scottish Salmon Company	508.6
01-Sep-20	Creran B	Scottish Sea Farms Ltd	504
01-May-20	Strondoir Bay	The Scottish Salmon Company	504
01-May-21	Loch Portree (Torvaig)	The Scottish Salmon Company	499.5
01-Jul-20	Eday Sound (Noust Geo)	Scottish Sea Farms Ltd	490.1
01-Aug-20	Wyre (Gairsay)	Scottish Sea Farms Ltd	486.12
01-May-21	Gravir Outer	The Scottish Salmon Company	484.2
01-May-21	Geasgill	The Scottish Salmon Company	483.22
01-May-20	Sconser Quarry	Mowi Scotland Ltd	479.88
01-Oct-20	Greanamul	The Scottish Salmon Company	475.2
01-Aug-20	Kingairloch (Loch a Choire)	Mowi Scotland Ltd	473.6
01-Jun-20	Scadabay	The Scottish Salmon Company	463.3
01-May-20	Cloudin	Cooke Aquaculture Scotland	459.08
01-Feb-20	Vacasay, Roag	The Scottish Salmon Company	451.92
01-Feb-20	Vuia Mor South	The Scottish Salmon Company	446.74
01-Feb-20	Kyles Vuia East	The Scottish Salmon Company	442.8

Date	Site Name	Operator	Deltamethrin grams
01-Aug-20	Colonsay	Mowi Scotland Ltd	390
01-Aug-20	Am Maol, Isle of Muck	Mowi Scotland Ltd	305
01-Jul-20	Colonsay	Mowi Scotland Ltd	225
01-Aug-20	Grey Horse Channel	Mowi Scotland Ltd	195
01-Sep-20	Portnalong	Mowi Scotland Ltd	160
01-Aug-20	Portnalong	Mowi Scotland Ltd	130
01-Apr-20	Scotasay	Mowi Scotland Ltd	120
01-Aug-20	Skipport Outer (Ornish)	Mowi Scotland Ltd	120
01-Jul-20	Portnalong	Mowi Scotland Ltd	120
01-Jul-20	Am Maol, Isle of Muck	Mowi Scotland Ltd	100
01-Aug-20	Isle of Ewe	Mowi Scotland Ltd	87.5
01-Aug-20	Stulaigh Island	Mowi Scotland Ltd	75
01-Mar-20	Invasion Bay	Mowi Scotland Ltd	70
01-Mar-20	Eilean Raineach	Mowi Scotland Ltd	66.8
01-Aug-20	An Camas (East)	Mowi Scotland Ltd	60
01-Aug-20	Groatay	Mowi Scotland Ltd	60
01-Sep-20	Isle of Ewe	Mowi Scotland Ltd	52.5
01-Mar-20	Scotasay	Mowi Scotland Ltd	50
01-Nov-20	Callert (Leven)	Mowi Scotland Ltd	48
01-Oct-20	Reintraid	Loch Duart Ltd	40
01-Feb-21	Port na Moine Site 2 (No	Mowi Scotland Ltd	39.6
01-Aug-20	Allt a Chois (Kishorn No	Scottish Sea Farms Ltd	37.5
01-Jun-20	Plocrapol	The Scottish Salmon Compan	37.5
01-Aug-20	Caolas Loch Portain	Loch Duart Ltd	36
01-Jan-21	Kames Bay	Kames Fish Farming Ltd	35
01-Sep-20	Bagh Dail nan Ceann No	Mowi Scotland Ltd	30
01-Aug-20	Invertote	Organic Sea Harvest Ltd	30
01-Jul-20	Invertote	Organic Sea Harvest Ltd	30
01-Sep-20	Druimyeon Bay	The Scottish Salmon Compan	25
01-Jan-20	Vacasay, Roag	The Scottish Salmon Compan	22.5
01-Jan-21	Soay Sound	Mowi Scotland Ltd	20
01-May-20	Rubh an Trilleachain	Kames Fish Farming Ltd	18.75
01-Aug-20	Fishnish A	Scottish Sea Farms Ltd	18.25

Date	Site Name	Operator	Azamethiphos grams
01-Jun-20	Greshornish	Mowi Scotland Ltd	7280.000014
01-Jun-20	Creag an Sagairt West	Mowi Scotland Ltd	7200.000006
01-Apr-21	MacLeans Nose	Mowi Scotland Ltd	6840
01-Aug-20	Scalpay	Mowi Scotland Ltd	6800
01-Jan-21	Stulaigh Island	Mowi Scotland Ltd	6300
01-May-21	Marulaig Bay	Mowi Scotland Ltd	5400
01-Jun-21	Grey Horse Channel	Mowi Scotland Ltd	5250
01-Feb-21	Bagh Dail nan Ceann No	Mowi Scotland Ltd	5160
01-Jun-21	Grey Horse Channel Ou	Mowi Scotland Ltd	5000
01-May-21	Grey Horse Channel	Mowi Scotland Ltd	4900
01-Jun-21	Groatay	Mowi Scotland Ltd	4550
01-Apr-21	Creag an Sagairt West	Mowi Scotland Ltd	4400
01-May-21	Groatay	Mowi Scotland Ltd	4200
01-Mar-21	MacLeans Nose	Mowi Scotland Ltd	4160
01-Jan-21	Soay Sound	Mowi Scotland Ltd	4130
01-Dec-20	Soay Sound	Mowi Scotland Ltd	4130
01-May-20	Soay Sound	Mowi Scotland Ltd	4080.000043
01-Oct-20	Camas an Leim (Torrido	Mowi Scotland Ltd	4020
01-Jun-20	Ru Chorachan	Isle of Skye Salmon Ltd	4000
01-Aug-20	Sconser Quarry	Mowi Scotland Ltd	3800
01-Nov-20	Scalpay	Mowi Scotland Ltd	3600
01-Mar-20	Soay Sound	Mowi Scotland Ltd	3379.999936
01-Apr-20	Scotasay	Mowi Scotland Ltd	3200.000048
01-Apr-20	Trilleachan Mor	The Scottish Salmon Compan	3200
01-May-20	Ru Chorachan	Isle of Skye Salmon Ltd	3200
01-Sep-20	Grey Horse Channel	Mowi Scotland Ltd	3150
01-Dec-20	Erisort, North Shore East	Mowi Scotland Ltd	3150
01-Jan-21	MacLeans Nose	Mowi Scotland Ltd	3150
01-Apr-20	Soay Sound	Mowi Scotland Ltd	3149.999946
01-Dec-20	Rubh an Trilleachain	Kames Fish Farming Ltd	3080
01-Jun-20	Taranaish	The Scottish Salmon Compan	3040
01-Apr-21	Poll na Gille	Mowi Scotland Ltd	3000
01-May-21	Grey Horse Channel Ou	Mowi Scotland Ltd	3000

Animal Concern and Scottish Salmon Watch believe that Mowi's certification via RSPCA Assured is meaningless and has zero credibility. In February 2020, [Scottish Salmon Watch wrote to the RSPCA](#):



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## Open letter to the RSPCA calls for an end to the certification of Scottish salmon

Team Ecohustler · 6th February 2020 · 2 min read

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"Scottish farmed salmon is a welfare nightmare..."

Sun 2 Feb

801

THE SUNDAY TIMES

NEWS | SCOTTISH NEWS

## Scientist hits out at RSPCA for backing salmon farms

Mark Macaskill

A scientist who claims farmed salmon in Scotland endure "heavy-duty suffering" has questioned one of Britain's largest animal charities for its support of the £2bn industry.

Dr Lynne Sneddon, director of bioveterinary science at Liverpool University, said evidence

that intensive farming can harm fish raised questions for Scottish aquaculture.

She described the suffering as unacceptable and challenged the RSPCA for endorsing 150 farms as ethical food producers amid research that suggests a popular lice treatment can cause pain.

Sneddon spoke out after examining a dossier of photographs, including some released by the Scottish government, of farmed fish covered in lesions, ulcers and open wounds.

"These fish are obviously



Marine Harvest's salmon farm off the Isle of Muck. The industry is worth £2bn a year to Scotland  
JAMES GLOSSOP

damaged, so they will be in pain. If you walked past a field and saw a sheep or a cow with a massive patch of skin missing, there would be a public uproar. But because salmon are farmed under the water, all of this is hidden," said Sneddon.

"I think really that these fish should not be allowed to live in

this kind of state . . . and I would say this is totally unacceptable."

Eddie Bowles, a solicitor with Surrey law firm Advocates for Animals, said the dossier, compiled by

Don Staniford, a critic of salmon farming, indicated "systemic and obvious" pain and suffering that could justify

legal action against the Scottish government for breaches of the Animal Health and Welfare (Scotland) Act 2006. "It appears that there is a strong legal case to answer," she said.

Sneddon, who studied at Glasgow University and the Roslin Institute in Edinburgh, said the skin of fish is covered in nociceptive nerves that detect potentially painful stimuli. It suggests that being infested with sea lice, or being pumped through a Thermolicer — a machine widely used by Scottish fish farmers that heats water to kill the parasites — is likely to inflict pain.

In December, a study published in Veterinary and Animal Science monitored the response of fish to temperatures of 28C and above, and observed "instant behavioural responses indicative of nociception or pain".

In 2018, Kristin Ottesen of Norwegian firm HaVet linked head injuries in fish with being exposed to heated water for 30 seconds.

Sneddon said the empirical evidence strongly suggested that thermolicers "should not be used".

Don Staniford, Director of [Scottish Salmon Watch](#), said:

"There is a huge disconnect between the marketing of Scottish salmon as 'healthy', 'responsibly sourced' and 'welfare friendly' via RSPCA Assured and the gruesome images of welfare abuse on salmon farms. It is painfully obvious that salmon are suffering from serious and systematic abuse both on factory farms and via mechanical treatments such as the Thermolicer. The damning photographic evidence graphically illustrates unnecessary suffering, pain and widespread welfare problems on RSPCA certified salmon farms. Scottish Ministers are clearly failing to police the welfare nightmare that is salmon farming. Offenders must be prosecuted as a matter of urgency to end the torture and suffering."

In July 2021, Scottish Salmon Watch [seriously questioned the credibility of RSPCA Assured after giving Mowi the all clear despite video footage showing welfare abuse inside salmon farms in the Sound of Jura and Shuna Sound.](#)



**Don Staniford**  
@TheGAAIA



Meet the 'independent' team of RSPCA inspectors monitoring salmon farms in Scotland for welfare abuse - headed by a former salmon farm manager  
[@MowiScotlandLtd](https://twitter.com/MowiScotlandLtd) [tinyurl.com/93uzxnau](https://tinyurl.com/93uzxnau)  
[@rspcaassured](https://twitter.com/rspcaassured) [@RSPCA\\_official](https://twitter.com/RSPCA_official) [@RSPCAChris](https://twitter.com/RSPCAChris)  
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[@brianblessed](https://twitter.com/brianblessed)



7:15 PM · Jul 29, 2021



**Don Staniford**  
@TheGAAIA

Nothing to see here - move along [tinyurl.com/saxf7jwr](https://tinyurl.com/saxf7jwr)  
[@rspcaassured](https://twitter.com/rspcaassured) [@MowiScotlandLtd](https://twitter.com/MowiScotlandLtd) [@APHAgovuk](https://twitter.com/APHAgovuk)  
[@marinescotland](https://twitter.com/marinescotland) [@SSPCA\\_Kirsteen](https://twitter.com/SSPCA_Kirsteen) [@sainsburys](https://twitter.com/sainsburys)  
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3:05 PM · Jul 29, 2021







 **Don Staniford**  
@TheGAAIA



We believe the ASC is a shameless greenwashing scheme set up, funded and governed by the salmon farming lobby intent on misleading consumers. Just take a look at the ASC-certified salmon farm @ScotlandMowi shown in @seaspiracy - does this look responsible? [vimeo.com/301802762](https://vimeo.com/301802762)



 **ASC** @ASC\_aqua

We believe the best way to responsibly feed the planet's growing population is by providing consumers & buyers with independently verified, third-party assessed seafood, according to stringent environmental & social Standards. ASC's response to Seaspiracy [asc-aqua.org/seaspiracy-why...](https://asc-aqua.org/seaspiracy-why...)

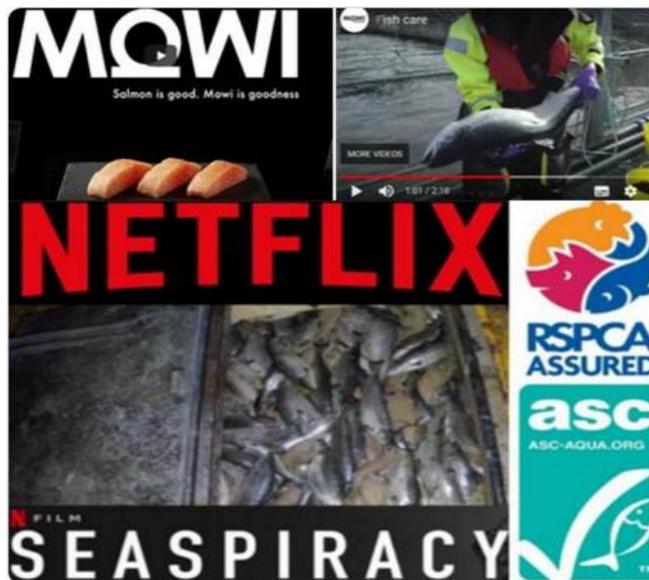
7:30 AM · Mar 30, 2021



 **Don Staniford**  
@TheGAAIA



Norwegian salmon giant Mowi has reacted to Netflix's 'Seaspiracy' by publishing videos claiming to show healthy farmed salmon at their @rspcaassured @ASC\_aqua salmon farm in Loch Linnhe which featured in @seaspiracy @ScotlandMowi @SSPOsays @iamalitabrizi [tinyurl.com/3efnmah3](https://tinyurl.com/3efnmah3)



10:16 AM · Apr 16, 2021



In conclusion, Mowi's Scottish salmon is the antithesis of "responsibly farmed". If the ASA has any doubts whatsoever about the hard evidence cited here please do take the time to trawl through the 'Case Information', 'Lice' and 'Mortality' data published [online by the Scottish Government's Fish Health Inspectorate](#).

The [Scotland's Aquaculture database](#) – which is sourced from data returns submitted by salmon farming companies to the Scottish Environment Protection Agency – also [details irresponsible use of toxic chemicals by salmon farms including Mowi](#).

Please note that the Scotland's Aquaculture database does not include data on toxic chemical use via wellboats (including Hydrogen Peroxide) or the use of antibiotics or the carcinogen Formaldehyde (Formalin). Scottish Salmon Watch has historically accessed that data via Freedom of Information but it needs updating.

Moreover, specific data on mortalities due to the operation of mechanical lice treatments such as the Thermolicer, Hydrolicer and Optilicer (considered by welfare experts to be torture chambers for farmed salmon) has been [accessed by Scottish Salmon Watch via Freedom of Information](#).

The hard evidence detailing irresponsible use of toxic chemicals – [shown by peer-reviewed science to be lethal to shellfish such as lobsters](#) – by Mowi and other salmon farming companies as well as endemic disease and mass mortality problems is rock solid.

Read more via a dossier submitted to Trading Standards & the CMA on 19 November 2021: [Hard Evidence Vs 'Responsibly Farmed' & 'Responsibly Sourced' Scottish Salmon](#)



"Higher fish mortality & price deflation led to a big fall in sales and profits for the Scottish arm of Norwegian salmon giant Mowi" [@TheGrocer thegrocer.co.uk /fish/mowi-scot...](#) [@MowiScotlandLtd](#) faced "challenges from fish health issues such as sea lice, cardiomyopathy & gill disease"



thegrocer.co.uk  
Mowi Scotland profits hit by poor fish health and price deflation  
The Scottish arm of Norwegian salmon giant Mowi also saw turnover fall last year



Mowi's Q3 2021 report makes grim reading for Scotland: "Sea lice levels in the third quarter were higher than in 2020...CMS remains at a relatively high rate of detection" & £3.7 million mortality losses  
@MowiScotlandLtd @ScotlandSalmon  
@SalmonTroutCons @tavishscott @scotgov

Q3 | 2021

### Salmon of Scottish origin

(EUR million)	Q3 2021	Q3 2020
<b>Operational EBIT</b>	<b>13.4</b>	<b>5.7</b>
<b>EBIT</b>	<b>-6.3</b>	<b>-0.7</b>
Harvest volume (GWT)	14 968	16 114
<b>Operational EBIT per kg (EUR)</b>	<b>0.90</b>	<b>0.35</b>
- of which Feed	0.03	0.03
- of which Markets	0.20	0.31
- of which Consumer Products	0.13	0.16
Price achievement/reference price	125 %	127%
Contract share	46 %	52%
Superior share	96 %	96%

**Operational EBIT Salmon of Scottish Origin**  
Q3 2021 vs Q3 2020

**Financial results**  
Operational EBIT amounted to EUR 13.4 million in the third quarter (EUR 5.7 million), the equivalent of EUR 0.90 per kg (EUR 0.35 per kg). The increased earnings from the comparable quarter were due to improved prices, partly offset by somewhat higher cost and slightly lower volumes.

**Financial EBIT** amounted to EUR -6.3 million (EUR -0.7 million).

**Price and volume development**  
The overall price achieved was 25% above the reference price in the quarter (27% above). Contribution from contracts relative to the reference price was positive in the third quarter of both 2021 and 2020. The contract share was 46% in the quarter compared with 52% in the third quarter of 2020.

The third quarter harvest volume was 14 968 tonnes gutted weight which was somewhat lower than in the comparable quarter (16 114 tonnes). Following high harvest volumes in the first half of the year, harvest volumes were taken down somewhat in order to build biomass.

**Costs and operations**  
Full cost per kg harvested increased by 3% from the comparable quarter on increased health cost and increased non-seawater costs. However, year to date full cost per kg is reduced by 10% from 2020 on a generally improved cost level for the harvested salmon and also positive scale effects from 32% higher volumes.

Biology has in general improved compared with 2020, with lower feed conversion rate, higher survival rate and improved harvest weights. Although CMS remains at a relatively high rate of detection, there continues to be a notable reduction in PD cases within Mowi Scotland and Pasteurella Skyensis detections have been absent in 2021 following the introduction of a vaccine in 2020. Sea lice levels in the third quarter were higher than in 2020, but additional treatment capacity allowed for more effective and timely treatments.

In the third quarter, fish health at high-energy sites in the Hebrides was challenged by gill issues combined with seasonally low oxygen levels. Mitigating factors include freshwater bathing, aeration, detailed water quality monitoring and harvesting from higher biomass pens. The low rainfall and stable wind conditions ended in late September and the situation has normalised.

Incident based mortality losses in the quarter amounted to EUR 3.7 million (EUR 4.3 million) mainly related to treatment losses, CMS and gill issues.

Costs in the fourth quarter are expected to be negatively impacted by lower volumes and harvesting from sites with a higher cost level.