

Evaluating the Validity of a Company's Claims Regarding their Practices and Impacts



- Loch Duart is comprised of Loch Duart Ltd. and its subsidiary Drumbeg Salmon.
- According to SEPA data, Loch Duart (including Drumbeg Salmon) owns 18 salmon farm sites on the North-West coast of Scotland in 2005.

Loch Duart's Reported Data



It describes itself as a “small independent Scottish salmon farm” but:

- Of 30 salmon farms operating in Scotland in 2006, it reported the **8th highest use of feed**. In 2006, it reported consuming 5,200 tonnes of feed (just below Fjord Seafood).

It differentiates itself as “The Sustainable Salmon Company” with claims that it doesn’t use antifoulants or antibiotics, but:

- 77% of Scottish salmon farms also reported no use of antifoulants in 2006
- 83% of Scottish salmon farms also reported no use of antibiotics in 2006

Loch Duart's Reported Data



Loch Duart's record on pollution:

- Three of Loch Duart's salmon farm sites are located within the boundaries of **Loch Laxford Special Area of Conservation**.
- In August 2007, SEPA reported a “**significant**” **Water Pollution Incident** involving a “Diesel leak from a bund at Drumbeg salmon”
- Loch Duart (Drumbeg) was one of just five companies that reported **exceeding monthly biomass (pollution limits) in 2007** thus far. It has exceeded them twice.

Loch Duart's Reported Data



Loch Duart ranked as one of the top users of the sea lice chemical SLICE (emamectin benzoate) in 2005 through 2007

- 2005 - it was the 4th highest user of SLICE per tonne of feed
 - Fjord Seafood used 800 times less SLICE than Loch Duart
- 2006 - it was the #1 user of SLICE per tonne of feed (4th in absolute terms)
 - Drumbeg's Oldany site reported the highest use of SLICE than any other farm site in Scotland
 - In 2006, Loch Duart reported using more SLICE than Marine Harvest
- 2007 (through June), it is the #1 user of SLICE per tonne of feed
 - Yet 52% of active companies in 2007 reported using no SLICE

The manufacturer of SLICE classifies it as a "Marine Pollutant"

Loch Duart's Reported Data



Loch Duart ranked as one of the top users of the sea lice chemical Excis (cypermethrin) in 2005 through 2007

- 2005 - it was the #1 user of Excis per tonne of feed
 - Yet, 78% of companies in 2005 reported using no Excis in 2005
- 2006 - it was the #1 user of Excis per tonne of feed (4th in absolute terms)
 - All of Loch Duart's sites in Loch Laxford Special Area of Conservation reported using Excis
- 2007 (through June), it is the #3 user of Excis per tonne of feed
 - Yet 76% of active companies in 2007 reported using no Excis

Loch Duart's Reported Data



Loch Duart reported escapes every year since 2002 (when Scottish Executive began requiring reporting of escapes), except for 2006:

- In November 2007, Loch Duart reported an escape incident involving approximately 14,000 escapees (to be confirmed)
- In 2005, Loch Duart reported 3,000 escapees in one incident
 - The escaped fish had been treated with Excis (cypermethrin)
- In 2004, Loch Duart reported 200 escapees in one incident
 - It was one of only 7 companies that reported an escape that year
- In 2003, Loch Duart reported 18,416 escapees in one incident (4th highest reported escapes by any salmon farming company that year)
 - The escaped fish came from a site affected with “Clinical IPN” (infectious pancreatic necrosis)
- In 2002, Loch Duart reported 8,147 escapees in one incident
 - The escaped fish had been treated with SLICE (emamectin benzoate)

Reported Use of SLICE (emamectin benzoate) 2005 - June 2007

Reported SLICE Use (g)			
Company	2005	2006	2007 Thru June
Aith			0
Aqua Farm Ltd	0		0
Atlantic West	0		
Balta Island Seafare Ltd	0		0
Bound Skerries Ltd			0
Carloway Salmon	0		
Collafirth (Green Island Organics)	0		0
D&J Salmon	0		
Drumbeg Salmon Ltd	401,789	757,306	251,010
Dury Salmon Ltd	242	300	0
Finfish Ltd	0	0	0
Fjord Seafood Scotland	1,744	1,475,853	1,293,360
G Duncan (Salmon) Ltd	223	0	
Glendale Salmon	0		
Green Island Organics Ltd			0
Greenholm	35,000		
Hasviak, North Altantic Seafarms (aka	275,000	4,800	0
Hebredian Fishery (Salmon Co Ltd)			0
Hjaltland Seafarms Ltd	352,750	484,200	956,300
Hoganess Salmon Ltd	304,690	693,339	318,650
Johnson Seafarms (Marine Ltd)		0	700
Kames Fish Farming Ltd.	43,750	15,000	35,000
Lakeland (Marine & Unst) Ltd	293,680	454	275,700
Laski Farming Enterprises Ltd		0	
Lewis Salmon Ltd	40	24	0
Loch Duart Ltd	469,390	676,923	438,161
Mainstream Scotland Ltd	800,220	503,025	256,000
Marine Harvest (not inc. PanFish, Fjord)	7,712,907	671,844	5,668,555
Millburn	0		
MJM Salmon Ltd	14		279
NAFC	33,929	5,000	0
North Atlantic Salmon - Westside Salmon	321,400		0
North Isles Sea Farms Ltd		0	
North Uist Fisheries	0	0	0
Orkney Seafarms Ltd	0	0	0
Pan Fish Scotland Ltd	2,174,200	2,942,129	1,685,190
Rysa Salmon Ltd	0		0
Scottish Seafarms Ltd	3,258,021	3,168,934	1,332,119
Skelda Salmon	57	0	
Slett Salmon Ltd		0	
Stolt Sea Farms	1,338,013		
Sweening Salmon	0	0	
Thompson Brothers Salmon Ltd	0		0
Uyeasound Salmon	0	0	0
Weddell Fish Farms	0	0	0
West Minch (Sidnish)	0	0	50,400
Wester Ross Fisheries Ltd	297,587	223,307	17,711
Westray Salmon	0	0	0
Whalsay	54,000		
TOTAL	18,168,645	11,622,439	12,579,135

Empty = No reported submitted

Highlight = Reported only Q1

Marine Harvest - with Pan Fish and Fjord - used 44 % of SLICE in 2006

Loch Duart - "The Sustainable Salmon Company" reported using more SLICE than Marine Harvest in 2006

Reported Use of Excis (cypermethrin) 2005 - June 2007

Reported Excis Use (l)			
Company	2005	2006	2007 Thru June
Aiith			0
Aqua Farm Ltd	0		0
Atlantic West	0		
Balta Island Seafare Ltd	0		0
Bound Skerries Ltd			0
Carloway Salmon	0		
Collafirth (Green Island Organics)	0		0
D&J Salmon	0		
Drumbeg Salmon Ltd	49.16	41.8	25.26
Dury Salmon Ltd	0	0	0
Finfish Ltd	0	0	0
Fjord Seafood Scotland	20.8	125.2	200.6
G Duncan (Salmon) Ltd	0	0	
Glendale Salmon	0		
Green Island Organics Ltd			0
Greenholm	0		
Hasviak, North Altantic Seafarms (aka Northern Aquaculture, Shetland Halibut Company)	0	0	0
Hebredian Fishery (Salmon Co Ltd)			0
Hjaltland Seafarms Ltd	0	0	0
Hoganess Salmon Ltd	0	13.6	0
Johnson Seafarms (Marine Ltd)		0	0
Kames Fish Farming Ltd.	7.4	0	0
Lakeland (Marine & Unst) Ltd	24.3	2	14.9
Laski Farming Enterprises Ltd		0	
Lewis Salmon Ltd	0	0.6	0
Loch Duart Ltd	50.25	48.8	49.95
Mainstream Scotland Ltd	0	0	0
Marine Harvest (not inc. PanFish, Fjord)	205.6	559.6	335.1
Millburn	0		
MJM Salmon Ltd	0		0
NAFC	0	0	0
North Atlantic Salmon - Westside Salmon	0		0
North Isles Sea Farms Ltd		0	
North Uist Fisheries	0	0	0
Orkney Seafarms Ltd	0	0	0
Pan Fish Scotland Ltd	189.13	155.4	59.8
Rysa Salmon Ltd			0
Scottish Seafarms Ltd	108.66	81.7	224.17
Skelda Salmon	0	0	
Slett Salmon Ltd		0	0
Stolt Sea Farms	0		
Sweening Salmon	0	0	
Thompson Brothers Salmon Ltd	0		0
Uyeasound Salmon	0	0	0
Weddell Fish Farms	0	0	0
West Minch (Sidnish)	0		0
Wester Ross Fisheries Ltd	4.5	0	13.5
Westray Salmon	0		0
Whalsay	0		
TOTAL	659.8	1,028.7	923.3

**Empty = No
reported
submitted**

**Highlight =
Reported only Q1**

***Marine Harvest -
with Pan Fish and
Fjord - used 82 %
of Excis in 2006***

***In the first half of 2007,
fish farms have
reported using more
Excis than all of 2005
and almost has much
as 2006.***

Reported Scottish Fish Farm Escapees By Company 2002 -2006

Company	2002	2003	2004	2005	2006	Total # Escapees, 2002 - 2006	% Total # Escapees, 2002 - 2006
Stolt Sea Farm	2,659	500	15,946	321,000		340,105	18
Cro Lax	238,420					238,420	13
North Uist		47,176		169,435		216,611	12
Marine Harvest	58	27,527	3,320	151,876	29,746	212,527	11
Pan Fish				120,000	22,368	142,368	8
Lakeland			1		130,000	130,001	7
Fjord Seafood				101,013	6,500	107,513	6
Scottish Sea Farms		51	45,200	43,453		88,704	5
South Side Salmon				65,000		65,000	3
Mainstream				1,998	61,627	63,625	3
Orkney Sea Farms		50,983				50,983	3
Murray Seafoods				22,500	27,819	50,319	3
Balta Island Seafare	27,500		11,700			39,200	2
Hascosy Salmon	35,335					35,335	2
Loch Duart	8,147	18,416	200	3,000		29,763	2
Papil Salmon Farm				15,800		15,800	1
Lewis Salmon			14,227			14,227	1
Kames Marine					12,230	12,230	1
Landcatch Ltd.				3,608	4,683	8,291	0
Hebridean Smolts					5,000	5,000	0
Killean Salmon Hatchery		5,000				5,000	0
Bressay Salmon		3,025				3,025	0
Hunter Salmon		2,000				2,000	0
WISCO	500					500	0
Ardvar Salmon		200				200	0
Finfish	36					36	0
Wester Ross					10	10	0
Westray				0		0	0
Annual Total	312,655	154,878	90,594	1,018,683	299,983	1,876,793	

Top 10 Scottish Salmon Farm SLICE Use By Site

134 Scottish salmon farm sites reported using SLICE in 2006

ABSOLUTE RANK			
Rank	Company	Site	Slice (kg)
1	Fjord Seafood Scotland	Vacasay	626,800
2	Drumbeg Salmon Ltd	Oldany Island	552,321
3	Pan Fish Scotland Ltd	Mid Strome	440,352
4	Scottish Sea Farms (Main) Ltd	Fiunary	432,500
5	Fjord Seafood Scotland	Kyles Vuia East	412,500
6	Scottish Sea Farms (Main) Ltd	Fishnish B	370,000
7	Scottish Sea Farms (Main) Ltd	Fishnish A	360,000
8	Hoganess	Hogan site	332,181
9	Hoganess	Holm site	306,158
10	Scottish Sea Farms (Main) Ltd	Bloody Bay	292,500

NORMALIZED RANK			
Rank	Company	Site	Slice (kg)/ tonne feed used
1	NAFC	Lea of Trondra	1,067
2	Drumbeg Salmon Ltd	Loch Droighniche	415
3	Pan Fish Scotland Ltd	Mid Strome	395
4	Scottish Sea Farms (Main) Ltd	Allt a Chois, North Shore	385
5	Fjord Seafood Scotland	Vacasay	367
6	Drumbeg Salmon Ltd	Oldany Island	356
7	Loch Duart Ltd	Foindle East, Site 1	331
8	Loch Duart Ltd	Eilean a Mhadaidh, Site 2	322
9	Loch Duart Ltd	Calbha Beag, Site 5	286
10	Fjord Seafood Scotland	Kyles Vuia East	276

Loch Duart (incl. Drumbeg) operated half of the Top 10 sites for SLICE use per tonne of feed in 2006

Top 10 Scottish Salmon Farm Excis (Cypermethrin) Use by Site

57 Scottish salmon farm sites reported using Excis in 2006

ABSOLUTE RANK

Rank	Company	Site	Excis (litres) containing 1% cypermethrin
1	Marine Harvest	Eishort	146.65
2	Marine Harvest	Invasion Bay	105.8
3	Marine Harvest	Camus Glas	52
4	Marine Harvest	Laga Bay	46
5	Pan Fish Scotland Ltd	West Kyles	43.8
6	Fjord Seafood Scotland	Tolsta	43.3
7	Marine Harvest	Eilean Haey	39.2
8	Fjord Seafood Scotland	Greinham Island, Lewis	38
9	Marine Harvest	Portnalong, Loch Harport	35.53
10	Fjord Seafood Scotland	Vacasay	31.4

NORMALIZED RANK

Rank	Company	Site	Excis (litres)/ tonne feed used
1	Marine Harvest	Loch Diabaig	0.139
2	Marine Harvest	Eishort	0.082
3	Marine Harvest	Ardnish	0.077
4	Pan Fish Scotland Ltd	West Kyles	0.058
5	Marine Harvest	Invasion Bay	0.054
6	Drumbeg Salmon Ltd	Reintraid	0.050
7	Pan Fish Scotland Ltd	East Tarbert Bay	0.047
8	Drumbeg Salmon Ltd	Loch Droighniche	0.044
9	Marine Harvest	Laga Bay	0.042
10	Drumbeg Salmon Ltd	Torgawn	0.039