

## Loch Duart Ltd - Clashnessie salmon farm (MS/SEPA site no FS0933)

Max permitted biomass 1585 tonnes.

Sea lice self-declared counts 2021. All information taken from <https://www.gov.scot/publications/fish-health-inspectorate-sea-lice-information/> and the Scotland's Aquaculture database: <https://scottishepa.maps.arcgis.com/apps/webappviewer/index.html?id=2218824350e5470e8026076d4138da58>

Week	Week comm	Count	Reason for no count (where no count entered), <b><i>SG action</i></b> , additional info, mitigation
1	4 Jan	3.16	Cleanerfish. Supplementary cleanerfish being transferred to site.
2	11 Jan	2.82	Cleanerfish. Supplementary cleanerfish being transferred to site.
3	18 Jan	4.08	Cleanerfish. Treatments planned.
4	25 Jan	5.05	Cleanerfish. Start of treatments.
5	1 Feb	-	Weather. Bath. Paramove 50.
6	8 Feb	3.44	Bath. Paramove 50.
7	15 Feb	3.50	Bath. Paramove 50.
8	22 Feb	-	Weather.
9	1 March	3.47	Cleanerfish.
10	8 March	3.91	Cleanerfish. Second lumpfish delivery completed.
11	15 March	4.41	Cleanerfish.
12	22 March	5.86	
13	29 March	5.26	Supplementary trained wrasse being transferred onto site next week
14	5 April	5.54	Cleanerfish.
15	12 April	4.24	Cleanerfish.
16	19 April	6.43	Cleanerfish. Wrasse deliveries continue. Targeted harvests to begin week 17.
17	26 April	6.11	Cleanerfish. Harvesting. Wrasse deliveries continue and targeted harvests.
18	3 May	3.21	Cleanerfish. Harvesting. Wrasse deliveries continue. Targeted harvests continue.
19	10 May	4.82	<b><i>Advisory letter</i></b> . Cleanerfish. Harvesting. Wrasse deliveries continue. Targeted harvests continue.
20	17 May	5.86	Cleanerfish. Harvesting. Wrasse deliveries continue. Targeted harvests continue.
21	24 May	6.21	Cleanerfish. Harvesting. Wrasse deliveries continue. Targeted harvests continue.
22	31 May	4.80	Cleanerfish. Harvesting.
23	7 June	5.08	<b><i>Enforcement notice</i></b> . Cleanerfish. Wrasse deliveries continue. Pens thinned (wellboat) to reduce stocking densities.
24	14 June	4.49	Cleanerfish. Wrasse deliveries continue. Fallback treatment preparations begin (Paramove 50)
25	21 June	2.96	Cleanerfish.
26	28 June	1.73	
27	5 July	2.46	Harvests to resume week 28.
28	12 July	2.06	Harvesting. Targeted harvests resume (reducing salmon stocking density within pen & therefore increasing stocked wrasse %)

29	19 July	5.38	Cleanerfish. Harvesting. Wrasse.
30	26 July	5.94	Cleanerfish. Harvesting. Wrasse.
31	2 August	8.00	Cleanerfish. Harvesting. Further wrasse being sourced; to increase stocking %. Harvests ongoing.
32	9 August	7.84	Cleanerfish. Harvesting. New wrasse stocked. Accelerated harvesting commences.
33	16 August	10.47	Cleanerfish. Harvesting. New wrasse being stocked. Accelerated harvesting continues
34	23 August	7.98	Cleanerfish. Harvesting. New wrasse being stocked. Accelerated harvesting continues (~70,000 fish harvested in the last 2 weeks)
35	30 August	-	Veterinary advice
36	6 Sept	9.04	<b><u>Enforcement notice</u></b> . Site due to KO and fallow wk40 weather permitting.
37	13 Sept	-	Veterinary advice
38	20 Sept	-	Veterinary advice
39	27 Sept	-	Withdrawal period prior to harvesting
40	4 Oct	-	Withdrawal period prior to harvesting. FHI informed site was fallow as of 08/10/2021

**SSPO industry Code of Good Practice sea lice treatment threshold – 0.5 adult female lice Feb-June and 1.0 adult female lice July-January.**

**At Clashnessie between weeks 1 and week 40 (after which the site was finally harvested out and fallow) the average weekly declared count of adult female lice per fish was over 5.00 (10 x the Code of Good Practice level for Feb-June and 5 x the Code of Good Practice level for July-Jan).**

During eight weeks the declared count was over 6 (Scottish Government’s enforcement trigger level), peaking at 10.47 in week 33 (that of 16 August); the average declared count between weeks 31 and 40 was 8.67. In only one week did the sea lice count dip below 2.0 (Scottish Government’s reporting threshold level) – in week 26 (1.73).

There are three references to “SG action” – an “advisory letter” in week 19 and two “enforcement notices” in weeks 23 and 36.

Under “mitigation”, the only references to treatments relate to the use of Paramove 50 (hydrogen peroxide). Otherwise, remedial action is limited to cleanerfish, occasional “targeted harvesting” and in weeks 33 and 34 “accelerated harvesting”. There is also the occasional reference to “new wrasse” and in one instance the introduction of “trained wrasse”.

In five of the six final weeks, before harvesting was completed, the company elected not to perform a sea lice count – citing “veterinary advice” or “withdrawal period prior to harvesting”. On the one occasion during these six weeks when a count was performed, it was 9.04 (the second highest during the time series); we believe that it is reasonable to conclude that lice levels were similarly high during the other five weeks, given that no mitigation measures (to reduce lice numbers) are referred to on the Scotland’s Aquaculture database.