

Table 1 - Comparison of auditor's and farmer's sea lice counts on the day of the audit

2010 - Quarter 3

| Location | Company | Date of Audit | Comparison Between Auditor and Farmer Sea Louse Counts | | | Statistical Explanation | |
|-------------------|---------|----------------|--|-------------------------|------------------------------|-------------------------|---|
| | | | <i>Lepeophtheirus salmonis</i> | <i>Caligus clemensi</i> | Chalimus (Non Motile Stages) | | |
| | | | Motile Stages | Motile Stages | | | |
| Zone/ Subzone 2.3 | Farm 1 | Mainstream | 24-Aug-10 | NSD | NSD | NSD | |
| | Farm 2 | Mainstream | 24-Aug-10 | NSD | NSD | NSD | |
| Zone/ Subzone 2.4 | Farm 1 | Marine Harvest | 16-Sep-10 | NSD | NSD | - | Significantly lower chalimus counted by auditor than farmer (p=0.008) |
| | Farm 2 | Grieg | 17-Aug-10 | NSD | + | NSD | Significantly higher motile <i>C. clemensi</i> counted by auditor than farmer (p=0.003) |
| Zone/ Subzone 3.2 | Farm 1 | Grieg | 9-Sep-10 | NSD | NSD | NSD | |
| | Farm 2 | Marine Harvest | 25-Aug-10 | NSD | NSD | - | Significantly lower chalimus counted by auditor than farmer (p=0.02) |
| | Farm 3 | Marine Harvest | 3-Sep-10 | NSD | NSD | NSD | |
| | Farm 4 | Mainstream | 28-Sep-10 | - | NSD | NSD | Significantly lower motile <i>L. salmonis</i> counted by auditor than farmer (p=0.05) |
| Zone/ Subzone 3.3 | Farm 1 | Grieg | 15-Sep-10 | NSD | NSD | NSD | |
| | Farm 2 | Mainstream | 27-Sep-10 | NSD | NSD | NSD | |
| | Farm 3 | Marine Harvest | 16-Sep-10 | NSD | NSD | NSD | Significantly lower motile <i>L. salmonis</i> counted by auditor than farmer (p=0.006) |
| | Farm 4 | Marine Harvest | 25-Aug-10 | NSD | NSD | NSD | Significantly higher motile <i>C. clemensi</i> counted by auditor than farmer (p=0.03) |
| Zone/ Subzone 3.4 | Farm 1 | Marine Harvest | 31-Aug-10 | NSD | NSD | NSD | |
| | Farm 2 | Mainstream | 27-Sep-10 | + | NSD | - | Significantly higher motile <i>L. salmonis</i> counted by auditor than farmer (p=0.01) and significantly lower chalimus counted by auditor than farmer (p=0.04) |
| Zone/ Subzone 3.5 | Farm 1 | Marine Harvest | 30-Sep-10 | - | NSD | NSD | Significantly lower motile <i>L. salmonis</i> counted by auditor than farmer (p=0.01) |

NSD denotes no significant differences, signifying that differences in auditor and farmer sea lice counts are likely due to random chance alone.

If significant differences were observed between the auditor's and farmers sea lice counts, + denotes a significantly higher count in the auditor's sample and - denotes a significantly lower count in the auditor's sample than the farmer's sample.

Statistically significant differences in numbers of lice counted between the auditor and farmer can be attributed to the following possibilities:

- The auditor and farmer do not count lice on the same fish; differences may be due to the samples
- The auditor and/or farmer may misidentify a louse as a different species (ie. *C. clemensi* as a *L. salmonis*)
- The auditor and/or farmer may not detect a louse