

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 <b>lower</b> chalimus counted by auditor than farmer (p=0.008)
	Farm 2	Grieg	17-Aug-10	NSD	+	NSD	Significantly <b>higher</b> 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 <b>lower</b> 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 <b>lower</b> 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 <b>lower</b> motile <i>L. salmonis</i> counted by auditor than farmer (p=0.006)
	Farm 4	Marine Harvest	25-Aug-10	NSD	NSD	NSD	Significantly <b>higher</b> 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 <b>higher</b> motile <i>L. salmonis</i> counted by auditor than farmer (p=0.01) and significantly <b>lower</b> chalimus counted by auditor than farmer (p=0.04)
Zone/ Subzone 3.5	Farm 1	Marine Harvest	30-Sep-10	-	NSD	NSD	Significantly <b>lower</b> 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