

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

## 2010 - Quarter 4

Location	Company	Date of Audit	Comparison Between Auditor and Farmer Sea Lice Counts			Statistical Explanation	
			<i>Lepeophtheirus salmonis</i>	<i>Caligus clemensi</i>	Chalimus (Non Motile Stages)		
			Motile Stages	Motile Stages			
Zone/ Subzone 2.3	<b>Farm 1</b>	Mainstream Canada	20-Nov-10	NSD	NSD	NSD	
	<b>Farm 2</b>	Mainstream Canada	19-Nov-10	NSD	NSD	NSD	
Zone/ Subzone 2.4	<b>Farm 1</b>	Marine Harvest Canada	3-Nov-10	NSD	NSD	-	Significantly <b>lower</b> chalimus counted by auditor than farmer (p=0.04) Significantly <b>higher</b> <i>L. salmonis</i> and chalimus counted by auditor than farmer (p=0.004, p=0.03)
	<b>Farm 2</b>	Marine Harvest Canada	20-Nov-10	+	NSD	NSD	
	<b>Farm 3</b>	Grieg Seafoods	22-Nov-10	NSD	NSD	NSD	
Zone/ Subzone 3.2	<b>Farm 1</b>	Grieg Seafoods	11-Nov-10	NSD	NSD	NSD	Significantly <b>higher</b> <i>L. salmonis</i> counted by auditor than farmer (p=0.009) Significantly <b>lower</b> motile <i>C. clemensi</i> counted by auditor than farmer (p=0.02)
	<b>Farm 2</b>	Marine Harvest Canada	9-Dec-10	+	NSD	NSD	
	<b>Farm 3</b>	Marine Harvest Canada	21-Oct-10	NSD	-	NSD	
	<b>Farm 4</b>	Marine Harvest Canada	20-Dec-10	NSD	NSD	NSD	
Zone/ Subzone 3.3	<b>Farm 1</b>	Marine Harvest Canada	18-Nov-10	NSD	NSD	NSD	
	<b>Farm 2</b>	Marine Harvest Canada	18-Nov-10	NSD	NSD	NSD	
Zone/ Subzone 3.4	<b>Farm 1</b>	Marine Harvest Canada	23-Nov-10	+	NSD	NSD	Significantly <b>higher</b> <i>L. salmonis</i> counted by auditor than farmer (p=0.02)
	<b>Farm 2</b>	Marine Harvest Canada	23-Nov-10	+	NSD	NSD	Significantly <b>higher</b> <i>L. salmonis</i> counted by auditor than farmer (p=0.04)
Zone/ Subzone 3.5	<b>N/A</b>	N/A	N/A	N/A	N/A	N/A	No farms audited in Zone 3.5 in Quarter 4 due to weather.

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 farmer's. 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