Table Of Contents

List Of Figures
List Of Tables
Acknowledgements
1 Introduction
1.1 Wild salmonids around the world
1.2 Icelandic use of wild salmonids
1.3 Aquaculture
1.4 History and current situation of sea lice
1.5 Aims
1.5.1 Research questions
2 Literature Review
2.1 Overview
2.2 Wild salmonids
2.2.1 Salmon
2.2.2 Trout
2.3 Sea Lice
2.3.1 Biology, ecology and influence on the host
2.3.2 Interactions between host and lice populations
2.3.3 Problems associated to sea lice infection
2.3.4 Sampling
2.4 Salmon Aquaculture
2.4.1 Appearance and the accustomed costs of sea lice in marine salmon aquaculture
2.4.2 Impacts on sea lice infestations in wild salmonid populations
2.4.3 Treatments
2.4.4 Legislation
3 Methodology
3.1 Research sites
3.2 Research period
3.3 Pre-evaluation
3.4 Gill netting
3.5 Lab analysis
3.6 Sea lice stage identification
3.7 Cleaning of the nets
3.8 Statistics
3.9 Temperature and salinity data
3.10 Limitation of the gill-netting and deviation from known methods
4 Results
5 Discussion
6 Conclusion
References
Appendix 1