

Sea Lice 2010 Program

Sea Lice 2010 Poster Presentations

1. Working together for success: Collaborative research of sea lice concerns for Clayoquot Sound wild juvenile salmon, 2004-2009. K Beach, K G Butterworth
2. The spatial distribution structure of *Caligus rogercresseyi* and *C. elongatus* on Atlantic salmon hosts (*Salmo salar*). J W Treasurer, S Bravo
3. *Dichelesthium oblongum* life history interactions with the aggregatory behaviour of their host the Atlantic sturgeon (*Acipenser oxyrinchus oxyrinchus*). A J Brown, M D Fast
4. A novel akirin homolog exists in salmon louse *Caligus rogercresseyi*. Y Carpio
5. Understanding the development of SW ionoregulatory ability in juvenile pink salmon and its sensitivity to sea lice infections. Z Gallagher, A P Farrell, C J Brauner
6. Effects of salmon farms on abundance of *Caligus rogercresseyi* on native fish, *Eleginops maclovinus*, of Southern Chile. M T Gonzalez, G Asencio, P Irribarren, C Molinet, J Carvajal
7. Life cycle of *Argulus araucanus* on Chilean rock cod *Eleginops maclovinus* from Valdivia River, Southern Chile. G Asencio, D Rogel, J Carvajal, M T Gonzalez
8. Efficacy of deltamethrin in the control of sea lice *Caligus rogercresseyi* Boxshall & Bravo 2000, in Codigue bay, Pto Montt, Chile. A Zuñiga, G Asencio, J Carvajal, MT Gonzalez, C Molinet
9. Salmon lice infection of farmed and wild salmon in three Norwegian fjords. P A Heuch, P A Bjørn, B Finstad, R Nilsen, L Asplin, J C Holst
10. Sequencing of target genes in salmon lice resistant to emamectin benzoate, pyrethroids or both. T O Hjelmervik, S Sevatdal, P G Espedal, H Kongshaug, K Glover, F Nilsen, T E Horsberg
11. Caligus on line: Sea lice surveillance and control system in the salmon industry of Chile. R A Ibarra, J L Campistó
12. Results of an epidemiological study of sea lice infestation in South Connemara, West of Ireland. D Jackson, P O'Donohoe, F Kane, S Kelly, T Mc Dermott, A Drumm, K Lyons, G Nolan
13. Sea lice (*Lepeophtheirus salmonis*) transcriptional responses to gradients of salinity, temperature, and emamectin benzoate. S G Jantzen, B J G Sutherland, D S Sanderson, S R M Jones, B F Koop
14. What does 3 really mean as a trigger- reflections from the BCMAL sealice audit program. I R Keith, M S Sheppard, M Roth, C Diamond, M P Diamond, H A Manchester, J Constantine
15. The ectoparasitic copepod (*Lepeophtheirus salmonis*) as a carrier of *Aeromonas salmonicida* infecting Atlantic salmon, *Salmo salar*. D L Lewis, D Barker, A Stull, M Sandeman-Allen, R Martin, C Novak, E Jakob
16. Benefits and problems in using a 10M column to examine vertical movement of sea lice larvae. A G Lewis
17. Genetic characterization of sea louse (*Lepeophtheirus salmonis*) populations from Pacific and Atlantic Ocean. K P Lubieniecki, E A Davidson, S R M Jones, B F Koop, W S Davidson
18. Experimental transmission of *Aeromonas salmonicida* from sea lice, *Lepeophtheirus salmonis*, to Atlantic salmon, *Salmo salar*. R Martin, D Barker, E Jakob, C Novak, D Lewis, M Sandeman-Allen, A M Stull

Sea Lice 2010 Program

19. Assessment of population structure in Pacific *Lepeophtheirus salmonis* using fine scale genetic markers. A M Messmer, E Rondeau, D Sanderson, S Jantzen, G Macdonald, W S Davidson, B F Koop
20. Temporal patterns of sea lice levels on sea trout in the River Shieldaig in relation to fish Farm production cycles. S J Middlemas, J A Raffell, D W Hay, M Hatton-Ellis, J D Armstrong
21. Ectoparasite assemblages of Atlantic sturgeon (*Acipenser oxyrinchus oxyrinchus*) in the Minas Basin. S E M Munroe, D Shutler, T Avery, M Dadswell
22. Modelling dispersal of sea lice in contrasting environments in Scotland, Norway and Canada. A Murray, L Asplin, D Stucchi
23. Is there a link between dermal pigmentation, stress, sealice infestations and welfare? J Nordgreen, Ø Øverli, C M Mejdell, A M Janczak, T E Horsberg
24. Differences between male and female *Lepeophtheirus salmonis* (Copepoda: Caligidae) as vectors of *Aeromonas salmonicida*. C W Novak, E Jakob, L Braden, D Lewis, R Martin, M S K Janeway, D Barker
25. Sea lice in marine fish from Chile: Potential pathogens for a novel fish farm industry. M E Oliva, M T Gonzalez
26. Detection of emamectin benzoate in non-target spot prawn (*Pandalus platyceros*) and determination of biological effects. A E Park, J P Volpe
27. The use of sentinel cages to investigate infection pressure from sea lice in Scotland, Canada, Norway and Ireland. C C Pert, L Asplin, S R M Jones, P O'Donohoe, S M Saksida, K Kroon Boxaspen
28. A short history of sea lice sampling strategies on Atlantic salmon farms and the use of empirical evidence to determine best practice. C W Revie, P A Heuch, G Gettinby
29. Ionoregulatory competent juvenile pink salmon (*Oncorhynchus gorbuscha*) combat hydromineral challenges typical of adult sea louse (*Lepeophtheirus salmonis*) - inflicted damage. M Sackville, S Tang, A P Farrell, C J Brauner
30. Evolution of standard histological procedures for the fixation and preservation of *Lepeophtheirus salmonis*. M L Sandeman-Allen, D E Barker, W R Bennett, C Thompson
31. Potential Role of *Lepeophtheirus salmonis* as a Carrier for Infectious Haematopoietic Necrosis Virus. A Stull, D Barker, K Garver, D Lewis, M Sandeman-Allen, R Martin, E Jakob
32. Using transcriptional approaches to understand the varying sensitivities of pink salmon (*Oncorhynchus gorbuscha*) to sea lice (*Lepeophtheirus salmonis*). B J G Sutherland, S R M Jones, B F Koop
33. Observations of louse shedding by naturally and artificially infected juvenile pink salmon, *Oncorhynchus gorbuscha* (Walbaum) in the field and literature. S Tang, M Sackville, C J Brauner, A P Farrell
34. Genomic resources for sea lice: analysis of genome sequence, ESTs and mitochondrial genomes. M Yasuike, J Leong, S Jantzen, K R von Schalburg, W S Davidson, W Kay, F Nilsen, S R M Jones, B F Koop