

QUALIFICATIONS

PhD candidate
 BSc
 MPhil (biology)
 Diploma Marine Science
 Diploma Fisheries & Aquaculture

PROFESSIONAL AFFILIATIONS

New Zealand Marine Science Society
 World Aquaculture Society

ROLE AT CAWTHRON

Nigel is a marine ecologist with more than 10 years experience working in a range of environments encompassing soft sediment, rock reef and estuarine habitats.

He specialises in benthic ecology, bivalve ecology, and the environmental effects of nutrient enrichment. Relevant projects in this capacity include conducting environmental impact assessments around coastal outfalls and marine farms.

In recent years he has been conducting research in the offshore environment with respect to its suitability for shellfish and finfish aquaculture. Nigel also has considerable experience in analysing a broad range of ecological data using univariate and multivariate statistical procedures.

SELECTED PUBLICATIONS

Knight B, N **Keeley** and C Cornelisen NE 2010. A Preliminary Assessment of Finfish Aquaculture Expansion in the Marlborough Sounds.. Prepared for Ministry of Fisheries. Cawthron Report No. 1869. 56 p. plus appendices.

Keeley N. 2010 NZKS Annual Environmental Monitoring Plan. Prepared for New Zealand King Salmon Ltd. Cawthron Report No. 1872. 28 p. plus appendices.

Keeley N, Macleod CK, Forrest BM. In Review. Combining best professional judgement (BPJ) and quantile regression splines to improve characterisation of macrofaunal responses to enrichment. Ecological Indicators.

Forrest BM, **Keeley** NB, Hopkins GA, Webb S, Clement D. 2009. Bivalve Aquaculture in estuaries: review and synthesis of oyster cultivation effects. Aquaculture 298: 1-5.

Heasman K, **Keeley** N, Roberts B, Batstone C, Knight B, Mussely H 2009. Feasibility of Open Ocean Aquaculture in New Zealand. Prepared for the Foundation for Research, Science & Technology and Offshore Technology Development (OTD) Ltd. Cawthron Report No. 1481. 213 p.

Keeley N, Forrest B, Hopkins G, Gillespie P, Clement D, Webb S, Knight B, Gardner J 2009. Review of the Ecological Effects of Farming Shellfish and Other Non-fish Species in New Zealand. Prepared for the Ministry of Fisheries. Cawthron Report No. 1476. 144 p. plus appendices.



Keeley N, Forrest R, Dunmore R, 2009. Seabed Impacts of the Te Pangu Bay Salmon Farm: Annual Monitoring 2008. Prepared for New Zealand King Salmon Company Limited. Cawthron Report No. 1563. 37 p.

Keeley N, Dunmore R, Gillespie P 2008. Assessment of the Potential Environmental Impacts of the Proposed White Horse Rock Salmon Farm, Marlborough Sounds. Prepared for New Zealand King Salmon Ltd. Cawthron Report No. 1552. 95 p.

Keeley N, Forrest R, Dunmore R 2008. Seabed impacts of the Clay Point salmon farm: annual monitoring 2008. Prepared for New Zealand King Salmon Company Limited. Cawthron Report No. 1568. 38 p. plus appendices.

Keeley N, Govier D, Forrest R 2008. Seabed impacts of the Waihinu Bay salmon farm: Monitoring 2007. Prepared for New Zealand King Salmon Company Limited. Cawthron Report No. 1415. 30 p. plus Appendices.

Keeley N, Govier D 2007. Baseline Survey of the Clay Point salmon farm: monitoring 2007. Prepared for New Zealand King Salmon Company Limited. Cawthron Report No. 1416. 26p plus appendices.

Forrest B, **Keeley** N, Gillespie P, Hopkins G, Knight B, Govier D. 2007. Review of the ecological effects of marine finfish aquaculture: final report. Prepared for Ministry of Fisheries. Cawthron Report No. 1285. 71p.

Keeley N, Heasman K, Batstone C, Gibbs M. 2007. Study Of Economic And Environmental Feasibility Of Open Ocean Finfish Farming In New Zealand. Seafood Innovations Ltd. & Sealord Ltd. Cawthron Report No. 1402. 126p plus appendices.

Keeley N, Gillespie P, Govier D, Hopkins G 2007. AEE for nine low density Kingfish farming sites in Crail Bay, Marlborough Sounds. Cawthron Report No. 1258.

Keeley N, Robertson B, Thompson S, Gibbs M 2002. A review of the factors affecting the viability of the Te Waewae Bay Toheroa population. Cawthron Report No. 757.