

QUALIFICATIONS

PhD, Marine Biology, 2010, Victoria University of Wellington

MSc, Marine Science (Distinction), 2002, University of Otago

BSc, Zoology, 1998, University of Otago

Certificate in Marine Studies, 1995, Bay of Plenty Polytechnic

ROLE AT CAWTHRON

Grant is a Senior Scientist and Team Leader in the Coastal & Freshwater Group. His research interests are focused around vessel hull fouling; in particular, biosecurity risks posed slow-moving vessels and oil rigs. Grant also has extensive experience in monitoring the effects of marine farming activities on seabed and water column environments. In these fields, Grant has authored more than 70 publications and consultancy reports.

SPECIAL INTERESTS & ACHIEVEMENTS

A recent focus of Grant's research has been on determining and managing biosecurity risks posed by vessels/structures associated with the oil and gas industry. This research has included biosecurity inspections on semi-submersible and jack-up rigs, as well as the development of methods to mitigate risks posed following defouling of pest species in the marine environment.

Grant was presented the Environmental Award (2007) by the New Zealand Marine Farming Association for his contribution to developing monitoring programmes for marine farms.

SELECTED PUBLICATIONS

Hopkins G 2008. Advice on the development of appropriate monitoring conditions for marine farm sites in Southland. Prepared for FRST Envirolink. Cawthron Report No. 1514. 18 p. plus appendices.

Hopkins GA. 2010. Biofouling management plan and risk assessment for the Kan Tan IV deployment to Bass Strait, Australia. Prepared for Origin Energy Resources Limited. Cawthron Report No. 1809. 13 p.

Hopkins GA. 2010. Assessment and management of risks from biofouling. PhD thesis, Victoria University of Wellington. 161p.



Hopkins GA, Forrest BM 2007. Management options for vessel hull fouling: an overview of risks posed by in-water cleaning. *ICES Journal of Marine Science* 65: 811-815.

Hopkins GA, Forrest, BM 2009. Biofouling Management Plan and Risk Assessment for the Drilling Rig *Kan Tan-IV*. Cawthron Report No. 1597. 62 p.

Hopkins GA, Forrest BM 2010. A preliminary assessment of biofouling and non-indigenous marine species associated with commercial slow-moving vessels arriving in New Zealand. *Biofouling* 26: 613-621.

Hopkins GA, Forrest BM 2010. Challenges associated with pre-border management of biofouling on oil rigs. *Marine Pollution Bulletin* 60: 1924-1929.

Hopkins GA, Forrest BM, Coutts ADM 2010. The effectiveness of rotating brush devices for management of vessel hull fouling. *Biofouling* 26: 555-566.

Hopkins GA, Forrest BM, Piola RF, Gardner JPA. *In press*. Factors affecting survivorship of defouled communities and the effect of fragmentation on establishment success. Accepted for publication, *Journal of Experimental Marine Biology and Ecology*.

Hopkins GA, Forrest BM, Jiang W, Gardner JPA. *In review*. Successful eradication of a non-indigenous marine bivalve from a subtidal soft sediment environment.