

- Dambacher, J.M.; Li, H.W.; Rossignol, P.A. (2002). Relevance of community structure in assessing indeterminacy of ecological predictions. *Ecology* 85: 1372–1385.
- Dambacher, J.M.; Li, H.W.; Rossignol, P.A. (2003a). Qualitative predictions in model ecosystems. *Ecological Modelling* 161: 79–93.
- Dambacher, J.M.; Luh, H-K.; Rossignol, P.A. (2003b). Qualitative stability and ambiguity in model ecosystems. *The American Naturalist* 161 (6): 876–888.
- Davey, F. (1980). The Monowai Seamount: an active submarine volcanic centre on the Tonga-Kermadec ridge. *New Zealand Journal of Geology and Geophysics* 23: 533–536.
- de Ronde, C.E.J.; Baker, E.T.; Massoth, G.J.; Lupton, J.E.; Wright, I.C.; Feeley, R.A.; Greene, R.R. (2001). Intra-oceanic subduction - related hydrothermal venting, Kermadec volcanic arc, New Zealand. *Earth and Planetary Science Letters* 193: 359–369.
- Dernie, K.M.; Kaiser, M.J.; Warwick, R.M. (2003). Recovery rates of benthic communities following physical disturbance. *Journal of Animal Ecology* 72: 1043–1056.
- DFO (2004). Identification of ecologically and biologically significant Areas. *DFO Canadian Science Advisory Secretariat Status Report*. 2004/006.
- DFO (2005). Framework for classification and characterization of Scotia-Fundy benthic habitats. *DFO Canadian Science Advisory Secretariat Science Advisory Report 2005/071*. 14 p.
- Duplisea, D.E.; Jennings, S.; Warr, K.J.; Dinmore, T.A. (2002). A size-based model of the impacts of bottom trawling on benthic community structure. *Canadian Journal of Fisheries and Aquatic Sciences* 59: 1785–1795.
- Durand, S.; Legendre, P.; Juniper, S.K. (2006). Sonar backscatter differentiation of dominant macrohabitat types in a hydrothermal vent field. *Ecological Applications* 16: 1421–1435.
- Eade, J.V.; Carter, L. (1975). Definitions and code of nomenclature for the naming of morphologic features on the New Zealand seafloor. *NZOI Records* 2: 129–139.
- EPA (1992). Framework for ecological risk assessment framework. *Report EPA/630/R-92/001*. Risk Assessment Forum, U.S. Environmental Protection Agency, Washington. 41 p.
- Francis, R.I.C.C.; Shotton, R. (1997). “Risk” in fisheries management: a review. *Canadian Journal of Fish and Aquatic Sciences* 54: 1699–1715.
- Froude, V.A.; Smith, R (2004). Area-based restrictions in the New Zealand marine environment. *Department of Conservation MCU Report*. 169 p.
- Gillet, P.; Dauvin, J.C. (2000). Polychaetes from the Atlantic seamounts of the southern Azores: biogeographical distribution and reproductive patterns. *Journal of the Marine Biological Association of the United Kingdom* 80: 1019–1029.
- Hall, S.J. (1994). Physical disturbance and marine benthic communities: life in unconsolidated sediments. *Oceanography and Marine Biology. An Annual Review* 32: 179–239.

- Hayes, K.R. (1997) Ecological risk assessment review. *CRIMP Technical Report No. 13*. Centre for Research on Introduced Marine Pests, CSIRO Marine Research, Hobart, Tasmania, Australia.
- Hayes, E.H.; Landis, W.G. (2004). Regional ecological risk assessment of a near shore marine environment: Cherry Point, WA. *Human and Ecological Risk Assessment* 10: 299–325.
- Hiddink, J.G.; Hutton, T.; Jennings, S.; Kaiser, M.J. (2006a). Predicting the effects of area closures and fishing effort restrictions on the production, biomass and species richness of North Sea benthic invertebrate communities. *ICES Journal of Marine Science* 63: 822–830.
- Hiddink, J.G.; Jennings, S.; Kaiser, M.J. (2006b). Recovery status as an indicator of the large scale ecological impact of bottom trawling. *Ecosystems* 9: 1190–1199.
- Hiddink, J.G.; Jennings, S.; Kaiser, M.J.; Queiroz, A.M.; Duplisea, D.E.; Piet, G.J. (2006c). Cumulative impacts of seabed trawl disturbance on benthic biomass, production and species richness in different habitats. *Canadian Journal of Fisheries and Aquatic Sciences* 63: 721–736.
- Hiscock, K.; Jennings, S.; Kaiser, M.J. (2007). Assessing and predicting the relative ecological impacts of disturbance on habitats with different sensitivities. *Journal of Applied Ecology* 44: 405–413.
- Hiscock, K.; Tyler-Walters, H (2003). Assessing the sensitivity of seabed biotopes to human activities and natural events. Scottish Natural Heritage, Edinburgh. 15 p.
- Hiscock, K.; Tyler-Walters, H. (2006). Assessing the sensitivity of seabed species and biotopes - The Marine Life Information Network. *Hydrobiologia* 555: 309–320.
- Hitchmough, R.; Bull, L.; Cromarty, P. (2007). New Zealand Threat Classification System lists—2005. Department of Conservation, Wellington. 194 p.
- Hobday, A. J.; Smith, A.; Webb, H.; Daley, R.; Wayte, S.; Bulman, C.; Dowdney, J.; Williams, A.; Sporcic, M.; Dambacher, J.; Fuller, M.; Walker, T. (2007). Ecological Risk Assessment for Effects of Fishing. Report R04/1072 for the Australian Fisheries Management Authority, Canberra.
- IHO/IOC (1988). Part 1. Gazetteer of geographical names of undersea features shown on the GEBCO and on the IHO small-scale international chart series. IHO Bureau, Monaco.
- Johnannsen, K.; Andre, C. (2006). Life on the margin: genetic isolation and diversity loss in a peripheral marine ecosystem, the Baltic Sea. *Molecular Ecology* 15 (8): 2013–2029.
- Jones, C.G.; Lawton, J.H.; Shackak, M. (1994). Organisms as ecosystem engineers. *Oikos* 69: 373–386.
- Kaiser, M.J. (1998). Significance of bottom-fishing disturbance. *Conservation Biology* 12: 1230–1235.

- Kaiser, M.J.; Clarke, K.R.; Hinz, H.; Austen, M.C.V.; Somerfield, P.J.; Karakassis, I. (2006). Global analysis of response and recovery of benthic biota to fishing. . *Marine Ecology Progress Series* 311: 1–14.
- Kaiser, M.J.; Collie, J.S.; Hall, S.J.; Jennings, S.; Poiner, I.R. (2002). Modification of marine habitats by trawling activities: prognosis and solutions. *Fish and Fisheries* 33: 114–136.
- Kibblewhite, A.C. (1967). Note on another active seamount in the south Kermadec Ridge group. *New Zealand Journal of Science* 10: 68–70.
- Knowlton, N. (2004). Multiple “stable” states and the conservation of marine ecosystems. *Progress in Oceanography* 60: 387–396.
- Koslow, J.A.; Gowlett-Holmes, K.; Lowry, J.; O'Hara, T.; Poore, G.; Williams, A. (2001). The seamount benthic macrofauna off southern Tasmania: community structure and impacts of trawling. *Marine Ecology Progress Series* 213: 111–125.
- Latter, J.H.; Lloyd, E.F.; Smith, I.E.M.; Nathan, S. (1992). Volcanic hazards in the Kermadec Islands, and submarine volcanoes between southern Tonga and New Zealand. Ministry of Civil Defence, Wellington. *Volcanic Hazards Information Series No. 4*. 42 p.
- Le Gonidec, Y.; Lamarche, G.; Wright, I.C. (2003). Inhomogeneous substrate analysis using EM300 backscatter imagery. *Marine Geophysical Researches* 24: 311–327.
- Leathwick, J.; Dey, K.; Julian, K. (2006). Development of a marine environmental classification optimised for demersal fish. NIWA Client Report HAM 2006-63, prepared for Department of Conservation, New Zealand (available at http://www.biodiversity.govt.nz/pdfs/seas/DOC06213_env_classification%20final.pdf). 18 p.
- Leal, J.H.; Bouchett, P. (1991). Distribution patterns and dispersal of prosobranch gastropods along a seamount chain in the Atlantic Ocean. *Journal of the Marine Biological Association, United Kingdom* 71: 11–25.
- Levins, R. (1974). The qualitative analysis of partially specified systems. *Annals of the New York Academy of Science* 231: 123–138.
- Lewis, K.B.; Barnes, P.M.; Collot, J-Y.; Mercier dL, B.; Deltiel, J. (1999). Central Hikurangi GeodyNZ swath maps; depths, texture and geological interpretation. *Miscellaneous Series No. 77*. Wellington, NIWA.
- Lewis, K.B.; Collot, J-Y.; Davy, B.W.; Deltiel, J.; Lallemand, S.E.; Uruski, C. (1997). North Hikurangi GeodyNZ swath maps; depths, texture and geological interpretation. *Miscellaneous Series No. 72*. Wellington, NIWA.
- Link, J.S.; Brodziak, J.K.T.; Edwards, S.F.; Overholtz, W.J.; Mountain, D.; Jossi, J.W.; Smith, T.D.; Fogarty, M.J. (2002). Marine ecosystem assessment in a fisheries management context. *Canadian Journal of Fisheries and Aquatic Sciences* 59: 1429–1440.

- Lloyd, E.F.; Nathan, S.; Smith, I.E.M.; Stewart, R.B. (1996). Volcanic history of Macauley Island, Kermadec Ridge, New Zealand. *New Zealand Journal of Geology and Geophysics* 39: 295–308.
- Longhurst, A. (1998). Ecological geography of the sea. Academic Press, San Diego, U.S.A. 398 p.
- MacDonald, D.S.; Little, M.; Eno, N.C.; Hiscock, K. (1996). Disturbance of benthic species by fishing activities: a sensitivity index. *Aquatic Conservation: Marine and Freshwater Ecosystems* 6: 257–268.
- Mackay, K. A. (2007). Database documentation: SEAMOUNT. *NIWA Internal Report*. 42 p.
- Madden, C.J.; Grossman, D.H.; Goodin, K.L. (2005). Coastal and marine systems of North America: framework for an ecological classification standard: Version II. . NatureServe, Arlington, Virginia.
- Martin, S. (2004). An introduction to ocean remote sensing. Cambridge, United Kingdom. 426 p.
- Miller, K.; Knowles, C.; Williams, A.; Ward, B.; Rowden, A.A. (2006). Connectivity and conservation of Australian and New Zealand seamounts: a molecular approach to assess relationships among their deep-sea coral populations. Report to the Department of Environment and Heritage, University of Tasmania, 109p. p.
- Ministry of Fisheries (2005). Strategy for Managing the Environmental Effects of Fishing (Unpublished document available from the Ministry of Fisheries, P O Box 1020, Wellington) 20 p.
- Ministry of Fisheries (2007). Benthic protection areas. Available from: <http://www.fish.govt.nz/ennz/Environmental/Seabed+Protection+and+Research/Benthic+Protection+Areas.htm..>
- Mitchell, J.S.; Carter, L.; McDougall, J.C. (1989). New Zealand region sediments. *Miscellaneous Series No. 67*. New Zealand Oceanographic Institute, Wellington.
- Morato, T.; Cheung, W.W.L.; Pitcher, T.J. (2004). Vulnerability of seamount fish to fishing: fuzzy analysis of life-history attributes. In: Morato, T.; Pauly, D. (eds). Seamounts, biodiversity and fisheries. *Fisheries Centre Research Reports 12 (5)*. Fisheries Centre, University of British Columbia, Canada, Pp. 51–60.
- Morato, T.; Pitcher, T.J. (2005). Ecosystem simulations in support of management of data-limited seamount fisheries. In: Kruse, G.H.; Gallucci, V.F.; Hay, D.E.; Perry, R.I.; Peterman, R.M.; Shirley, T.C.; Spencer, P.D.; Wilson, B.; Woodby, D. (eds). Fisheries assessment and management in data-limited situations. Alaska Sea Grant, University of Alaska Fairbanks. Pp. 467–486.
- Mortimer, N.; Herzer, R.H.; Gans, P.B.; Parkinson, D.L.; Seward, D. (1998). Basement geology from Three Kings Ridge to West Norfolk Ridge, southwest Pacific Ocean: evidence from petrology, geochemistry and isotopic dating of dredge samples. *Marine Geology* 148: 135–162.

- Mullineaux, L.S.; Mills, S.W. (1996). A test of the larval retention hypothesis in seamount-generated flows. *Deep-Sea Research* 144: 745–770.
- O'Driscoll, R.L.; Clark, M.R. (2005). Quantifying the relative intensity of fishing on New Zealand seamounts. *New Zealand Journal of Marine and Freshwater Research* 39: 839–850.
- Orpin, A.R. (2004). Holocene sediment deposition on the poverty-slope margin by the muddy Waipaoa River, east coast New Zealand. *Marine Geology* 209: 69–90.
- Parker, T.; Tunnicliffe, V. (1994). Dispersal strategies of the biota on an oceanic seamount: implications for ecology and biogeography. *Biological Bulletin* 187: 336–345.
- Piepenburg, D.; Müller, B. (2004). Distribution of epibenthic communities on the Great Meteor Seamount (North-east Atlantic) mirrors pelagic processes. *Archive of Fishery and Marine Research* 51: 55–70.
- Pinkerton, M.H.; Richardson, K.M.; Boyd, P.W.; Gall, M.P.; Zeldis, J.; Oliver, M.D.; Murphy, R.J. (2005). Intercomparison of ocean colour band-ratio algorithms for chlorophyll concentration in the Subtropical Front east of New Zealand. *Remote Sensing of Environment* 97: 382–402.
- Post, A.L.; Wassenberg, T.J.; Passlow, V. (2006). Physical surrogates for macrofaunal distributions and abundance in a tropical gulf. *Marine and Freshwater Research* 57: 469–483.
- Probert, P.K.; McKnight, D.G.; Grove, S.L. (1997). Benthic invertebrate bycatch from a deep-water trawl fishery, Chatham Rise, New Zealand. *Aquatic Conservation: Marine and Freshwater Ecosystems* 7: 27–40.
- Ramillion, G.; Wright, I.C. (2000). Predicted seafloor topography of the New Zealand region: a nonlinear least-squares inversion of satellite altimetry data. *Journal of Geophysical Research* 105: 16 577–16 590.
- Ramsey, D.; Veltman, C. (2005). Predicting the effects of perturbations on ecological communities: what can qualitative models offer? *Journal of Animal Ecology* 74: 905–916.
- Reed, D.C.; Raimondi, P.T.; Carr, M.H.; Goldwasser, L. (2000). The role of dispersal and disturbance in determining spatial heterogeneity in sedentary organisms. *Ecology* 81(7): 2011–2026.
- Roff, J.C.; Taylor, M.E. (2000). National frameworks for marine conservation: a hierarchical geophysical approach. *Aquatic Conservation: Marine and Freshwater Ecosystems* 10: 209–233.
- Roff, J.C.; Taylor, M.E.; Laughren, J. (2003). Geophysical approaches to the classification, delineation and monitoring of marine habitats and their communities. *Aquatic Conservation of Marine and Freshwater Ecosystems* 13: 77–90.
- Rogers, A.D. (1994). The biology of seamounts. *Advances in Marine Biology* 30: 305–350.
- Rowden, A.A.; Clark, M.R. (in press). Benthic biodiversity of seamounts on the southern end of the Kermadec volcanic arc. New Zealand Aquatic Environment and Biodiversity Report, [Ministry of Fisheries, Wellington, New Zealand.]

- Rowden, A.A.; O'Shea, S.; Clark, M.R. (2002). Benthic biodiversity of seamounts on the northwest Chatham Rise. *Marine Biodiversity and Biosecurity Report No. 2*, [Ministry of Fisheries, Wellington, New Zealand.] 21 p.
- Rowden, A.A.; Clark, M.R.; O'Shea, S.; McKnight, D.G. (2003). Benthic biodiversity of seamounts on the southern Kermadec volcanic arc. *Marine Biodiversity and Biosecurity Report No. 3*, [Ministry of Fisheries, Wellington, New Zealand.] 23 p.
- Rowden, A.A.; Clark M.R.; O'Shea, S. (2004). Benthic biodiversity of seamounts on the Northland Plateau. *Marine Biodiversity and Biosecurity Report No. 5*, [Ministry of Fisheries, Wellington, New Zealand.] 21 p.
- Rowden, A.A.; Clark, M.R.; Wright, I.C. (2005). Physical characterisation and a biologically focused classification of "seamounts" in the New Zealand region. *New Zealand Journal of Marine and Freshwater Research* 39: 1039–1059.
- Salski, A. (1992). Fuzzy knowledge-based models in ecological research. *Ecological Modelling* 63: 103–112.
- Sanchez, J.A.; Rowden, A.A. (2006). Octocoral diversity on New Zealand seamounts. *Proceedings of the 10th International Coral Reef Symposium*, 1812-1820.
- Sandwell, D.T.; Smith, W.H.F. (1997). Marine gravity anomaly from Geosat and ERS 1 satellite altimetry. *Journal of Geophysical Research* 102: 10 039–10 054.
- Silvert, W. (1997). Ecological impact classification with fuzzy sets. *Ecological Modelling* 96: 1–10.
- Smith, K.R.; Schwab, W.C.; Noble, M.; de Moustier, C. (1989). Physical, geological and biological studies on four Pacific seamounts: introduction. *Deep-Sea Research* 36: 1785-1790.
- Smith, P.J.; McVeagh, M.; Mingoia, J.T.; France, S.C. (2004a). Mitochondrial DNA sequence variation in deep-sea bamboo coral (Keratoisidinae) species in the southwest and northwest Pacific Ocean. *Marine Biology* 144: 253–261.
- Smith, P.J.; McVeagh, M.; Won, Y.; Vrijenhoek, C. (2004b). Genetic heterogeneity among New Zealand species of hydrothermal vent mussels (Mytilidae: Bathymodiolus). *Marine Biology* 144: 537–545.
- Snelder, T.H.; Leathwick, J.R.; Dey, K.L.; Rowden, A.A.; Weatherhead, M.A.; Fenwick, G.D.; Francis, M.P.; Gorman, R.M.; Grieve, J.M.; Hadfield, M.G.; Hewitt, J.E.; Richardson, K.M.; Uddstrom, M.L.; Zeldis, J.R. (2006). Development of an Ecologic Marine Classification in the New Zealand region. *Environmental Management* 39: 12–29.
- Sorensen, M.T.; Gala, W.R.; Margolin, J.A. (2004). Approaches to ecological risk characterization and management: selecting the right tools for the job. *Human and Ecological Risk Assessment* 10: 245–269.
- Stocks, K.I.; Boehlert, G.W.; Dower, J.F. (2004). Towards an international field programme on seamounts within the Census of Marine Life. *Archive of Fishery and Marine Research* 51: 320–327.

- Stone, L. (1990). Phytoplankton-bacteria-protozoa interactions: a qualitative model portraying indirect effects. *Marine Ecology Progress Series* 64: 137–145.
- Sutherland, R. (1999). Basement geology and tectonic development of the greater New Zealand region: an interpretation from regional magnetic data. *Tectonophysics* 308: 341–362.
- Thompson, R.M. (1991). Gazetteer of seafloor features in the New Zealand region. *New Zealand Oceanographic Institute. Miscellaneous Publication* 104. 64 p.
- Thrush, S.F., Hewitt, J.E.; Cummings, V.J.; Dayton, P.K.; Cryer, M.; Turner, S.J.; Funnell, G.A.; Budd, R.G.; Milburn, C.J.; Wilkinson, M.R. (1998). Disturbance of the marine benthic habitat by commercial fishing: impacts at the scale of the fishery. *Ecological Applications* 8: 866–879.
- Tracey, D.M.; Clark, M.R.; Bull, B.; Mackay, K. (2004). Fish species composition on seamounts and adjacent slope in New Zealand waters. *New Zealand Journal of Marine and Freshwater Research* 38: 163–182.
- Tracey, D. M.; Neil, H.; Marriott, P.; Andrews, A. H.; Cailliet, G.M.; Sanchez J. A (2007). Age and growth of two genera of deep-sea bamboo corals (Family Isididae) in New Zealand waters. *Bulletin of Marine Science* 81(3): 393–408.
- Tyler-Walters, H.; Hiscock, K. (2005). Impact of human activities on benthic biotopes and species. Report to Department for Environment, Food and Rural Affairs from the Marine Life Information Network (MarLIN). Plymouth: Marine Biological Association of the UK.[Contract no. CDEP 84/5/244]. p.
- Uddstrom, M.J.; Oien, N.A. (1999). On the use of high resolution satellite data to describe the spatial and temporal variability of sea surface temperatures in the New Zealand region. *Journal of Geophysical Research* 104: 20 729–20 752.
- von Cosel, R.; Marshall, B.A. (2003). Two new species of large mussels (Bivalvia: Mytilidae) from active submarine volcanoes and a cold seep off the eastern North Island of New Zealand, with description of a new genus. *The Nautilus* 117: 31–46.
- Wanoa, R.J.; Lewis, K.B. (1972). Gazetteer of seafloor features in the New Zealand region. *New Zealand Oceanographic Institute Records* 1: 67–106.
- Whipple, S.J.; Link, J.S.; Garrison, L.P.; Fogarty, M.J. (2000). Models of predation and fishing mortality in aquatic ecosystems. *Fish and Fisheries* 1: 22–44.
- Wolff, T. (2005). Composition and endemism of the deep-sea hydrothermal fauna. *Cahiers de Biologie Marine* 46: 97–104.
- Wright, I.C. (1994). Nature and tectonic setting of the southern Kermadec submarine arc volcanoes: an overview. *Marine Geology* 118: 217–236.
- Wright, I.C. (1996). Volcaniclastic processes on modern submarine arc stratovolcanoes: sidescan and photographic evidence from the Rumble IV and V volcanoes, southern Kermadec arc (SW Pacific). *Marine Geology* 136: 21–39.

- Wright, I.C. (1999). New Zealand region “seamounts”: a preliminary characterisation of their physical setting. NIWA Client Report WLG99/24 prepared for Department of Conservation. 107 p.
- Wright, I.C. (2001). *In situ* modification of modern submarine hyaloclastic/pyroclastic deposits by oceanic currents: an example from the Southern Kermadec arc (SW Pacific). *Marine Geology* 172: 287–307.
- Wright, I.C.; Gamble, J.A. (1999). Southern Kermadec submarine caldera arc volcanoes (SW Pacific): caldera formation by effusive and pyroclastic eruption. *Marine Geology* 161: 207–227.
- Wright, I.C.; Stoffers, P.; Hannington, M.; de Ronde, C.E.J.; Herzig, P.; Smith, I.E.M.; Browne, P.R.L. (2002). Towed-camera investigations of shallow-intermediate water-depth submarine stratovolcanoes of the southern Kermadec arc, New Zealand. *Marine Geology* 185: 207–218.
- Wright, I.C.; Worthington, T.J.; Gamble, J.A. (2006). New multibeam mapping and geochemistry of the 30° - 35°S sector, and overview of southern Kermadec arc volcanism. *Journal of Volcanology and Geothermal Research* 149: 263–296.
- Zacharias, M.A.; Gregr, E.J. (2004). Sensitivity and vulnerability in marine environments: an approach to identifying vulnerable marine areas. *Conservation Biology* 19: 86–97.
- Zadeh, L.T. (1965). Fuzzy sets. *Information and Control* 8: 338–353.