



Mapping New Zealand's marine values



Non-native species are recognised as one of the greatest threats to natural environments worldwide. Our ability to assess and manage these risks is hampered by a lack of information on the resources that should be protected and the impacts that non-native species will have upon them.

To address this knowledge gap a project was initiated to map components of core environmental, economic and socio-cultural values around the New Zealand coastline.

This involved collation of existing data-sets and expert knowledge to create approximately 100 maps (layers) that are housed in an Geographic Information System (GIS).

The GIS layers represent raw (e.g., the location of species, habitats or place type) and summarised data (within 20 x 20 km coastal cells).

Additional Reading

- Beaumont, J., Oliver, M., MacDiarmid, A. (2008). Mapping the Values of New Zealand's Coastal Waters. 1. Environmental Values. MPI Technical paper No: 2008/16. 79 p. ISBN 978-0-478-33801-0 [PDF 2 MB] Environmental supplementary information [PDF 368 kb]
- Batstone, C., Elmetri, I., Taylor, M., Sinner, J., Clarke, S. (2009). Mapping the Values of New Zealand's Coastal Water. 2. Economic Values. MPI Technical paper No: 2009/05. 80 p. ISBN 978-0-478-33877-5 [PDF 4.8 MB]
- Allen, W., Elmetri, I., Clarke, S., Gibbons, J., Clark, K., Sinner, J., Jiang W., Taylor, M. (2009). Mapping the Values of New Zealand's Coastal Waters. 3. Social Values. MPI Technical paper No: 2010/05. 45 p. ISBN 978-0-478-36303-6 [PDF 2.6 MB]
- Beaumont, J., D'Archino, R., MacDiarmid, A. (2009). Mapping the Values of New Zealand's Coastal Waters. 4. A Meta-analysis of Environmental Values. MPI Technical paper No: 2010/08. 48 p. ISBN 978-0-478-36356-2 [PDF 1.9 MB]

- Samarasinghe, O., Briggs, C., Greenhalgh, S. (2009). Mapping the Values of New Zealand's Coastal Waters. 5. A Meta-analysis of Economic Values. MPI Technical paper No: 2010/09. 82 p. ISBN 978-0-478-36358-6 [PDF 3.2 MB]