Further reading relevent to development of Biophysical Operational Principles for the Great Barrier Reef Marine Park (as at 2002)¹

Allison, G. W., S. Gains, J. Lubchenco & H. Possingham (2003). Ensuring persistence of marine reserves: catastrophes require adoptin an insurance factor. *Ecological Applications* 13(1):S8-S24..

Attwood, C.G., and B.A. Bennett (1995). Modelling the effect of marine reserves on recreational shore fishery of the south-western cape, South Africa. *South African Journal of Marine Science* 16:227-240.

Australian Marine Sciences Association (2001) "Over 100 of Australia's Leading Marine Scientists Back Victoria's Proposals for Marine National Parks". Media Release 29/03/2001. Contact Associate Professor John Sherwood, Victorian President, Australian Marine Science Association.

Ballentine, W.J. (1997) Design principals for systems of no-take marine reserves. Paper form the workshop on Design and Monitoring of Marine Reserves held February 18-20, 1997, Fisheries Centre, University of British Columbia, Canada. Available at: <u>http://www.marine-reserves.org.nz</u>

Ballantine, B. (2000). 10%? Available at http://www.hmu.auckland.ac.nz:8001/sanctuary/why_l0pc_reserve.html

Bohnsack, J.A. (1994). How marine fishery reserves can improve reef fisheries. Proceedings Gulf and Caribbean Fisheries Institute 43: 217-241.

Bohnsack, J.A. (1996). Maintenance and recovery of reef fishery productivity. Chapter 11, Pages 283-313. In Management of Reef Fisheries. N.V.C. Polunin and C.M. Roberts (eds). Chapman & Hall, London.

Bohnsack, J.A. (1998) Application of marine reserves to reef fisheries. *Australian Journal of Ecology* 23: 298-304.

Botsford, L.W., Castilla, J. C. & Peterson, C. H. (1997). The management of fisheries and marine ecosystems, *Science* 277:509-515.

Botsford, L.W. (2001) Marine Reserves for Sustainable Populations in Fisheries and Conservation. Presentation at the AAAS 2001 Meeting. Available at <u>http://www.seaweb.org/AAAS/ab_theory.html</u>

Botsford, L., Morgan, L.E., Lockwood, D.R., & J.E., Wilen (In Press) Marine reserves and management of the northern California red sea urchin fishery. Calcofi Reports.

Bustemante R.H., P. Martinez, F. Rivera, R. Bensted, L.Vinueza. (1999) A proposal for the initial zoning scheme for the Galapagos Marine Reserve. Charles Darwin Research Station Technical Report October 1999.

Daan, N. (1993) Simulation study of effects of closed areas to all fishing, with particular reference to the North Sea ecosystem. Pp 252 – 258 in K. Sherman, L/M. Alexander, and B.D. Gold, (eds), *Large marine ecosystems: Stress, mitigation and sustainability*. American Association for the Advancement of Science, Washington, D.C.

Day J, Fernandes L, Lewis A, De'ath G, Slegers S, Barnett B, Kerrigan B, Breen D, Innes J, Oliver J, Ward T, Lowe D (in press) The Representative Areas Program for Protecting Biodiversity in the Great Barrier Reef World Heritage Area. Proceedings of the Ninth International Coral Reef Symposium. Bali 2000.

DeMartini, E.E. 1(993) Modelling the potential fishery reserves for managing pacific coral reef fishes. *Fishery Bulletin* 91:414-427.

Foran, T., and R.M. Fujita. (1999) Modelling the bioeconomic impact of a no take reserve policy on pacific continental slope rockfish. Environmental Defense Fund Oakland, California.

¹ Some of these references were only available in draft form at the time the principles were developed.

Gaines, S.D. (2001) Catastrophes: Where the unlikely becomes the Probable. Presentation to the AAAS 2001 meeting. Available at <u>http://www.seaweb.org/AAAS/ab_theory.html</u>

Goodyear, C.P. (1993) Spawning stock biomass per recruit in fisheries management: foundation and current use. *Canadian Special Publications in Fisheries and Aquatic Sciences*. 120:67-81

GBRMPA (2000) Reserve Selection in the Marine Environment, Literature Review and Discussion Paper – Draft. GBRMPA, Townsville, Australia.

Guenette, S and T.J. Pitcher. (1999). An age-structures model showing the benefits of marine reserves in controlling overexploitation. Fisheries Research 39:295-303.

Guenette, S and T.J. Pitcher. (2000). The potential of marine reserves for the management of Northern cod in Newfoundland. *Bulletin of Marine Science* 66(3):831–852.

Halfpenny, H and C.M. Roberts. In review. Designing a network of marine reserves for North-western Europe. *Ecological Applications*.

Hastings, A., and L. Botsford. (1999). Equivalence in yield from marine reserves and traditional fisheries management. *Science* 284: 1-2.

Hannesson, R. (1998). Marine reserves: what would they accomplish? *Marine Resource Economics* 13:159 – 170.

Holland, D.S., and R.J. Brazee (1996). Marine Reserves for Fishery Management. *Marine Resource Economics* 11:157-171.

Lauck, T.C., C.W. Clark, M. Mangel and G.R. Munro (1998)' Implementing the Precautionary Principle in Fisheries Management through Marine Reserves. *Ecological Applications* 8(1):S72 – S78.

Lubchenco, J., Palumbi, S.R., Gaines, S.D. and S. Andelman (2003) Plugging a hole in the ocean: the emerging science of marine reserves. *Ecological Applications* 13(1): S3-S7.

Mace, P.M (1994). Relationships between common biological reference points used as thresholds and targets of fisheries management strategies. *Canadian Journal of Fisheries and Aquatic Science* 51:110-122.

Mace, P.M., and M.P. Sissenwine (1993). How much spawning per recruit is enough? *Canadian Special Publication of Fisheries and Aquatic Sciences* 120:101-118.

Man, A., R. Law, and N.V.C. Polunin. (1995) Role of marine reserves in recruitment to reef fisheries: A metapopulation model. *Biological conservation* 71:197-204

Mangel, M. (2000) Trade-offs between fish habitat and fishing mortality and the role of reserves. *Bulletin* of Marine Science 66(3):663-674.

MPA News (2000 (a)). In Marine Protected Area News Vol 1(5).Council Calls for Several New No-Take Reserves in Australian State of Victoria. Available at <u>http://www.mpanews.org</u>.

MPA News (2000 (b)) No Take Areas for Galapagos Islands After Long Negotiations. Marine Protected Area News Vol 1(7). Available at <u>http://www.mpanews.org</u>.

MPA News (2000 (c)). Closing 20% of the Ocean: Pro-Reserve Target is Finding Way into Policies. Marine Protected Area News Vol 1(8). Available at <u>http://www.mpanews.org</u>.

MPA News (2000 (d) Vol 1(9) Letters to the Editor. Available at http://www.mpanews.org

National Research Council (1999) Maintaining Sustainable Fisheries. Available at: <u>http://www.nap.edu/catalog/9994.html</u>

National Research Council (2000) Marine Protected Areas: Tools for Sustaining Ocean Ecosystems. Committee on the Evaluation, Design, and Monitoring of Marine Reserves and Protected Areas in the United States, Ocean Studies Board, National Research Council. Available at: <u>http://www.nap.edu/catalog/9994.html</u>

Pezzy, J.C.V., C.M. Roberts, and B.T. Urdal. (In Press). A simple bioeconomic model of a marine reserve. *Ecological Economics*.

Polacheck, T. (1990). Year round closures as a management tool. Natural Resource Modelling 4:327-354.

Quinn, J., S.R. Wing, and L.W. Botsford (1993). Harvest refugia in invertebrate fisheries: Models and application to the red sea urchin, *Strongylocentrotus fanciscanus*. *American Zoology* 33:557-550,

Roberts, C.M., and J.P. Hawkins (2000) Fully-protected marine reserves: a guide. WWF Endangered Seas Campaign, Washington, DC 20037 USA. Available at http://www.panda.org/resources/publications/water/mpreserves/mar_index.html

Roberts, C.M. (In review). How much of the sea should be protected from fishing in marine reserves? *Ecological Applications.*

Roughgarden, J. (1998). How to manage fisheries. Ecological Applications S8: 160-164.

Soh, S.K., D.R. Gunderson, and D.H. Ito (1998) Closed areas to manage rockfishes in the Gulf of Alaska. Pp. 118 – 124 in M.M. Yoklavich (ed.), *Marine Harvest Refugia for West Coast Rockfish: A Workshop*. NOAA Technical Memorandum NOAA-TM-MNFS-SWFSC-255. National Oceanic and Atmospheric Administration, Silver Spring , Meryland.

Sladek Nowlis, J.S. (In Press). Short and long term fishery effects of three fishery–management tools on depleted fisheries. *Bulletin of Marine Science*.

Sladek Nowlis, J.S., and C.M. Roberts. (1997) You can have your fish and eat it too: theoretical approaches to marine reserve design. *Proceedings of the 8th International Coral Reef Symposium* 2: 1907 - 1910

Sladek Nowlis, J.S., and C.M. Roberts. (1999). Fisheries Benefits and optimal design of marine reserves. *Fisheries Bulletins* U.S.97.

Sladek Nowlis, J. S. and Yoklavich, M. M. (1998). Design criteria for rockfish harvest refugia from models of fish transport. pages 32-40 in M. M. Yoklavich, editor. Marine harvest refugia for west coast rockfish: a workshop. NOAA Technical Memorandum NMFS-SWFSC-255, Silver Springs Maryland, USA.

Sumaila, U.R. (1998). Protected marine reserves as fisheries management tools: A bioeconomic analysis. *Fantoftvegen* 38, N – 5036. Chr. Michelsen Institute, Fantoft, Bergen Norway.

Turpie, J.K., L.E. Beckley, and S.M. Katua. (2000). Biogeography and the selection of priority area for conservation of South African coastal fisheries. *Biological Conservation*. 92: 59-72 (2000).

Trexler, J. and J. Travis (2000) Can marine protected areas conserve stock attributes? *Bulletin of Marine Science* 66 (3):853-873.

Ward, T. J., Vanderklift, M.A., Nicholls, A.O and R.A. Kenchington (1999) Selecting marine reserves using habitats and species assemblages for biological diversity. *Ecological Applications* 9(2) 691 – 698.

Ward, T. J., Heinemann, D. and Evans, N. (2000), *The Role of Marine Reserves as Fisheries Management Tools. A review of concepts, evidence and international experience*, Final Report November 2000, Bureau of Rural Sciences, Canberra, ACT.

Warner, R. (2001) Using past marine reserve performance a guide for effective design. Available at <u>http://www.seaweb.org/AAAS/ab_theory.html</u>