

Questions on notice #1 – BK Diggles - Marine Parks Literature

The following list of key references is not exhaustive, but it is a summary of around 1/3 of the papers I have considered and cited in various reports over the last several years in relation to the benefits and drawbacks of marine parks and how they may (or may not) address key threatening processes that affect biodiversity in the marine environment. The reference lists in each paper have also been examined and other papers perused, however the dataset begins to get very large and hence I have not got all of the relevant citations below. There is also plenty of data available that I have looked at on the DEWHA website at the following address.

<http://www.environment.gov.au/coasts/publications/index.html#nrsmpla>

Most of these reports on the DEWHA website are purely descriptive and of high quality, however, there are significant problems with a small number of the reports, such as interpretation by some scientists of their own data and drawing conclusions or making management recommendations that are not supported by the data presented - see (listed below) for an example of this.

I also tabled the following report at the inquiry: Worldfish Centre (2008). Lessons learned and good practices in the management of coral reef marine protected areas.

http://www.reefbase.org/gefl/pdf/lessonslearnedMPAbrief_English.pdf (summary document)

<http://www.reefbase.org/gefl/pdf/mpa%20case%20studies.pdf> (full document)

The World Fish Centre is part of the Global Environment Facility (GEF), which was established in 1991 as a \$1 billion pilot program from the World Bank to assist in the protection of the global environment and to promote environmentally sustainable development. The document is a distillation of 20 years work by the GEF establishing Marine Protected Areas (MPAs) in developing countries. It outlines several key lessons and aims to translate the lessons into good practices for future development of MPAs. The GEF are a global authority on practical implementation of MPAs, and it is important that the Federal Government considers their lessons during the Bioregional Planning Process, as several of the lessons have already been identified by marine industries in Australia as being ignored, the key one being that it is important to provide fishing communities with accurate and realistic predictions of MPA benefits and avoid a common mistake of overselling the potential/theoretical benefits of MPAs and underestimating the costs involved. The importance of using a risk based approach, integration of water quality issues, monitoring of MPA performance and providing realistic and long term options for displaced fishers (including catch and release sport fishing for recreational fishers) was also emphasised.

Key studies are highlighted

Reference		
<p>Adlard RD, Nolan MJ (2008). Aquatic animal health subprogram: Identification of host interactions in the life cycle of QX disease. Report prepared by QLD Museum for FRDC project 2006/062. 60 pgs.</p>	<p>Alpine JE, Hobday AJ (2007). Area requirements and pelagic protected areas: is size an impediment to implementation? <i>Marine and Freshwater Research</i> 58: 558-569.</p>	<p>AQIS (1999a). Import risk analysis on live ornamental finfish. Australian Quarantine and Inspection Service July 1999. 172 pgs.</p>
<p>Aronson RB, Precht WF (2006). Conservation, precaution, and Caribbean reefs. <i>Coral Reefs</i> 25: 441-450.</p>	<p>Aronson RB, Precht WF (2006). Conservation, precaution, and Caribbean reefs. <i>Coral Reefs</i> 25: 441-450.</p>	<p>Aronson RB, Precht WF (2006). Conservation, precaution, and Caribbean reefs. <i>Coral Reefs</i> 25: 441-450.</p>
<p>Arthington AH, Bluhdorn DR (2005). Improved management of exotic aquatic fauna: R&D for Australian rivers. The Land and Water Resources Research and Development Corporation Occasional Paper 04/95.</p>	<p>Arthington AH, Bluhdorn DR (2005). Improved management of exotic aquatic fauna: R&D for Australian rivers. The Land and Water Resources Research and Development Corporation Occasional Paper 04/95.</p>	<p>Bailey HC, Krassoi R, Elphick JR, Mulhall AM, Hunt P, Tedmanson L, Lovell A (2000) Whole effluent toxicity of sewage treatment plants in the Hawkesbury-Nepean watershed, New South Wales, Australia, to <i>Ceriodaphnia dubia</i> and <i>Selenastrum capricornutum</i>. <i>Environmental Toxicology and Chemistry</i> 19: 72-81.</p>
<p>Bainbridge ZT, Brodie JE, Faithful JW, Sydes DA, Lewis SE (2009). Identifying the land-based sources of suspended sediments, nutrients and pesticides discharged to the Great Barrier Reef from the Tully-Murray basin, Queensland,</p>	<p>Bainbridge ZT, Brodie JE, Faithful JW, Sydes DA, Lewis SE (2009). Identifying the land-based sources of suspended sediments, nutrients and pesticides discharged to the Great Barrier Reef from the Tully-Murray basin, Queensland, Australia. <i>Marine and Freshwater Research</i> 60: 1081-1090.</p>	<p>Barker and Roberts (2004). Scuba diver behaviour and the management of diving impacts on coral reefs. <i>Biological Conservation</i> 120: 481-489.</p>

Reference		
Australia. <i>Marine and Freshwater Research</i> 60: 1081-1090.		
Barlow CG, Hogan AE, Rodgers LJ (1987). Implication of translocated fishes in the apparent extinction in the wild of the Lake Eacham rainbowfish, <i>Melanotaenia eachamensis</i> . <i>Australian Journal of Marine and Freshwater Research</i> 38: 897-902.	Bartlett CY, Manua C, Cinner J, Sutton S, Jimmy R, Douth R, Nilsson J, Raina J (2009a). Comparison of outcomes of permanently closed and periodically harvested coral reef reserves. <i>Conservation Biology</i> 23: 1475-1484.	Bartlett CY, Pakoa K, Manua C (2009b). Marine Reserve phenomenon in the Pacific Islands. <i>Marine Policy</i> 33: 673-678.
Beck MW and 14 other co-authors (2011). Oyster Reefs at Risk and Recommendations for Conservation, Restoration, and Management. <i>Bioscience</i> 61: 107-116.	Biosecurity Australia (2009) <i>Generic Import Risk Analysis Report for Prawns and Prawn Products</i> . Final Report. Biosecurity Australia, Canberra, Australia. 7 October 2009, 292 pgs.	Blaber SJ, Griffiths SP, Pillans R (2010). Changes in the fish fauna of a tropical Australian estuary since 1990 with reference to prawn predators and environmental change. <i>Estuarine, Coastal and Shelf Science</i> 86: 692-696
Boesch D, Burreson E, Dennison W, Houde E, Kemp M, Kennedy V, Newell R, Paynter K, Orth R, Ulanowicz R. (2001). Factors in the decline of coastal ecosystems. <i>Science</i> 292: 1589-1591.	Boesch D, Burreson E, Dennison W, Houde E, Kemp M, Kennedy V, Newell R, Paynter K, Orth R, Ulanowicz R. (2001). Factors in the decline of coastal ecosystems. <i>Science</i> 292: 1589-1591.	Brisbane Courier (1898). The Oyster Industry. Ravages of the Worm Disease. Certain areas seriously affected. <i>Brisbane Courier</i> , Tuesday 1 February 1898, page 5.
Brockington, D. (2004), 'Community conservation, inequality and injustice: myths of power in Protected Area management', <i>Conservation and Society</i> 2: 411-432.	Butt D, Raftos DA (2007). Immunosuppression in Sydney rock oysters (<i>Saccostrea glomerata</i>) and QX disease in the Hawkesbury River, Sydney. <i>Marine and Freshwater Research</i> 58: 213-221.	Brewer DT, Flynn A, Skewes TD, Corfield J, Pearson B, Alowa J, and Young JW (2007). <i>Ecosystems of the East Marine Planning Region</i> . Report to Department of Environment and Water Resources. CSIRO, Cleveland. 150 pgs.

Reference		
<p>Callinan RB, Paclibare JO, Bondad-Reantaso MG, Chin JC, Gogolewski RP (1995). <i>Aphanomyces</i> species associated with epizootic ulcerative syndrome (EUS) in the Philippines and red spot disease (RSD) in Australia: preliminary comparative studies. <i>Diseases of Aquatic Organisms</i> 21: 233-238.</p>	<p>Chin A, Sweatman H, Forbes S, Perks H, Walker R, Jones G, Williamson D, Evans R, Hartley F, Armstrong S, Malcolm H, Edgar G (2008). <i>Chapter 11. Status of the Coral Reefs of Australia and Papua New Guinea</i>. Pgs. 159-176. In: Wilkinson (ed). Status of the Coral Reefs of the World: 2008. Global Coral Reef Monitoring Network and Reef and Rainforest Research Centre, Townsville. 296 pgs.</p>	<p>Cinner JE, McClanahan TR, Graham NA, Pratchett MS, Wilson SK, Raina JB (2009). Gear-based fisheries management as a potential adaptive response to climate change and coral mortality. <i>Journal of Applied Ecology</i> 46: 724-732.</p>
<p>Choat JH (2006). <i>A report on the ecological surveys undertaken at Middleton and Elizabeth Reefs, February 2006</i>. Report by James Cook University to the Department of Environment and Heritage. 65 pgs</p>	<p>Claudet et al. (2010). Marine reserves: Fish life history and ecological traits matter. <i>Ecological Applications</i> 20: 830–839</p>	<p>Cotton S, Wedekind C (2008). Population consequences of environmental sex reversal. <i>Conservation Biology</i> 23: 196-206.</p>
<p>Crane MJ, Fegan M, Corbeil S, Warner S (2009). Development of Molecular Diagnostic Procedures for the Detection and Identification of Herpes-like Virus of Abalone (<i>Haliotis</i> spp.). Final Report to the Fisheries Research and Development Corporation. Project Number 2007-006.</p>	<p>Chung T, Jiao J (2008). Estimation of submarine groundwater discharge in Plover Cove, Tolo Harbour, Hong Kong by 222Rn. <i>Marine Chemistry</i> 111: 160-170.</p>	<p>Coral Disease Working Group (2008) Coral disease, environmental drivers, and the balance between coral and microbial associates. <i>Oceanog</i> 20:172-195</p>
<p>Cudney-Bueno R et al. (2009). Rapid Effects of Marine Reserves via Larval Dispersal. <i>PLOS</i> 4 (1): e4140</p>	<p>Daszak PA, Cunningham A, Hyatt AD (2000). Emerging infectious diseases of wildlife: Threats to biodiversity and human health. <i>Science</i> 287: 443-449.</p>	<p>Daszak PA, Cunningham A, Hyatt AD (2003). Infectious diseases and amphibian population declines. <i>Diversity and Distributions</i> 9: 141-150.</p>
<p>Daskalov GM et al. (2007). Trophic cascades triggered by overfishing reveal possible</p>	<p>Death G, Fabricus K (2010). Water quality as a regional driver of coral biodiversity and macroalgae on the Great Barrier Reef.</p>	<p>Dove ADM (1998). A silent tragedy: parasites and exotic fishes of Australia. <i>Proceedings of the Royal Society Queensland</i> 107: 109-113.</p>

Reference		
mechanisms of ecosystem regime shifts. <i>PNAS</i> 104(25): 10518–10523.	<i>Ecological Applications</i> 20: 840–850	
DeSanto EM, Jones PJ, Miller AM (2010). Fortress conservation at sea: A commentary on the Chagos marine protected area. <i>Marine Policy</i> 35: 258-260.	Department of Environment and Water Resources (2006). A Characterisation of the Marine Environment of the South-west Marine Region	DEWHA (2009). Marine Bioregional Planning in the South-west Marine Region - Areas for Further Assessment.
DEWHA (2009). <i>The East Marine Bioregional Plan – Bioregional Profile</i> . Dept. Environment, Water, Heritage and the Arts. 157 pgs.	Diggles BK (2010). Review of literature used to underpin declaration of the Coral Sea conservation zone. DigsFish Services Report DF 10-01 prepared for Marine QLD, 28 January 2010. 30 p.	Diggles BK (2011). Declines in bivalve populations in northern Moreton Bay. Briefing note prepared by DigsFish Services for presentation to Fisheries QLD. 4 p.
Duke N, Haller A (2009). “Sinking Centres” in Moreton Bay mangroves – maps showing areas of unusual anoxic ponds and mangrove dieback in tidal wetlands of the bay area in 2008-9. report to H&A, QPIF, DEEDI QLD. Centre for Marine Studies, The University of Queensland.	Edgar, G.J., Barrett, N.S., and Stuart-Smith, R.D (2009). Exploited reefs protected from fishing transform over decades into conservation features otherwise absent from seascapes. <i>Ecological Applications</i> 19(8): 1967-1974	England et al. (2009). Modelling connectivity for resilient protected area design among areas for further assessment identified by DEWHA for the development of a Commonwealth MPA Network in the South-west Marine Region. CSIRO Marine & Atmospheric Research / CSIRO Wealth from Oceans Flagship
Fernandes L et al. (2005). Establishing representative no-take areas in the Great Barrier Reef: large scale implementation of theory on marine protected areas. <i>Conserv. Biol.</i> 19, 1733-1744.	Fisher MC, Garner TWJ (2007). The relationship between the emergence of <i>Batrachochytrium dendrobatidis</i> , the international trade in amphibians and introduced amphibian species. <i>Fungal Biology Reviews</i> 21: 2-9.	Font WF (2003). The global spread of parasites: What do Hawaiian streams tell us? <i>BioScience</i> 53: 1061-1067.
Friedlander et al. (2003). Effects of	Friedlander AM, DeMartini EE (2002)	Galal N., R. Ormond & O. Hassan. (2002). ‘Effect

Reference		
<p>habitat, wave exposure, and marine protected area status on coral reef fish assemblages in the Hawaiian archipelago. <i>Coral Reefs</i> 22: 291-305.</p>	<p>Contrasts in density, size and biomass of reef fishes between the northwestern and the main Hawaiian islands: the effects of fishing down apex predators. <i>Mar Ecol Prog Ser</i> 230:253-264</p>	<p>of a network of no-take reserves in increasing exploited reef fish stocks and catch per unit effort at Nabq, South Sinai, Egypt', <i>Marine and Freshwater Research</i> 53, pp199-205.</p>
<p>Game GT et al. (2009). Pelagic protected areas: the missing dimension in ocean conservation. <i>Trends in Ecology and Evolution</i> 1080:</p>	<p>Gardner, TA, Coté IM, Gill JA, Grant A, Watkinson AR (2005) Hurricanes and Caribbean coral reefs: Impacts, recovery patterns and role in long term decline. <i>Ecol</i> 86:174–184</p>	<p>Garla, R.C., Chapman, D.D., Shivji, M.S., Wetherbee, B.M., 2006a. Movement patterns of young Caribbean reef sharks, <i>Carcharhinus perezi</i>, at Fernando de Noronha Archipelago, Brazil: the potential of marine protected areas for conservation of a nursery ground. <i>Mar. Biol.</i> 149, 189–199.</p>
<p>Gaughan DJ (2002). Disease-translocation across geographic boundaries must be recognized as a risk even in the absence of disease identification : the case with Australian <i>Sardinops</i>. <i>Reviews in Fish Biology and Fisheries</i> 11: 113-123.</p>	<p>Golbu Y et al. (2011). River discharge reduces reef coral diversity in Palau. <i>Marine Pollution Bulletin</i> 62: 824-831.</p>	<p>Goni, R., Hilborn, R., Diaz, D., Mallol, S., and Adlerstein, S. Net contribution of spillover from a marine reserve to fishery catches. <i>Marine Ecology Progress Series</i> 400: 233-243, 2010.</p>
<p>Goodwin AE, Peterson JE, Meyers TR, Money DJ (2004). Transmission of exotic fish viruses: the relative risks of wild and cultured bait. <i>Fisheries: Reviews in Fish Health, American Fisheries Society Fish Health Section</i>, 19-23.</p>	<p>Green TJ, Barnes AC (2010). Reduced salinity, but not estuarine acidification, is a cause of immune-suppression in the Sydney rock oyster <i>Saccostrea glomerata</i>. <i>Marine Ecology Progress Series</i> 402: 161-170.</p>	<p>Grimsditch GD, Salm RV (2006). Coral Reef Resilience and Resistance to Bleaching. ICUN Gland, Switzerland. 52pp</p>
<p>Guidetti P, Claudet J (2009). Co-management practices enhance fisheries in marine protected areas. <i>Conservation Biology</i> 24: 312-318.</p>	<p>Hallegraeff GM (1993) A review of harmful algal blooms and their apparent global increase. <i>Phycologia</i> 32:79-99</p>	<p>Hampton J, Sibert JR, Kleiber P, Maunder MN, Harley SJ (2005). Decline of Pacific tuna populations exaggerated? <i>Nature</i> 434:E1–E2.</p>
<p>Hardiman N, Burgin S (2010) Recreational impacts on the fauna of Australian coastal marine ecosystems. <i>J Environ Man</i> 91:2096-2108</p>	<p>Harvell CD, Kim K, Burkholder JM et al. (1999). Emerging marine diseases – climactic links and anthropogenic factors.</p>	<p>Hassan M, Beatty SJ, Morgan DL, Doupe RG, Lymbery AJ (2008). An introduced parasite, <i>Lernaea cyprinacea</i> L. , found on native freshwater fishes in the south west</p>

Reference		
	Science 285:1505-1510	of Western Australia. <i>Journal of the Royal Society of Western Australia</i> 91: 149-153.
Haswell WA (1885). On a destructive parasite of the rock oyster. <i>Proceedings of the Linnean Society of New South Wales</i> 10: 272-275.	Hastings A. & L. Botsford (2003). 'Comparing designs of marine reserves for fisheries and for biodiversity', <i>Ecological Applications</i> 13(1) Supplement, s65-s70	Heasman MP, Fielder DR, Shepherd RK (2005). Mating and spawning in the mudcrab <i>Scylla serrata</i> (Forsk.) (Decapoda: Portunidae), in Moreton Bay, Australia. <i>Australian Journal of Marine and Freshwater Research</i> 36: 773-783.
Heupel MR et al. (2009). Effects of fishing on tropical reef associated shark populations on the Great Barrier Reef. <i>Fisheries Research</i> 95: 350-361.	Hilborn R (2006). Faith based fisheries. <i>Fisheries</i> 31: 554-555.	Hooper C, Hardy-Smith P, Handler J (2007). Ganglioneuritis causing high mortalities in farmed Australian abalone (<i>Haliotis laevigata</i> and <i>Haliotis rubra</i>). <i>Australian Veterinary Journal</i> 85: 188-193.
Howard AE (1994). The possibility of long distance transmission of <i>Bonamia</i> by fouling on boat hulls. <i>Bulletin of the European Association of Fish Pathologists</i> 14: 211-212.	Hyatt AD, Hine PM, Jones JB, Whittington RJ, Kearns C, Wise TG, Crane MS, Williams LM (1997). Epizootic mortality in the pilchard <i>Sardinops sagax neopilchardus</i> in Australia and New Zealand in 1995. 2. Identification of a herpesvirus within the gill epithelium. <i>Diseases of Aquatic Organisms</i> 28: 17-29.	ICUN (1987). Position Statement on the Translocation of Living Organisms. http://intranet.iucn.org/webfiles/doc/SSC/SSCwebsite/Policy_statements/IUCN_Position_Statement_on_Translocation_of_Living_Organisms.pdf
Idjadi et al. (2010). Recovery of the sea urchin <i>Diadema antillarum</i> promotes scleractinian coral growth and survivorship on shallow Jamaican reefs. <i>Marine Ecology Progress Series</i> 403: 91-100.	Jackson JB et al. (2001). 'Historical overfishing and the recent collapse of coastal ecosystems', <i>Science</i> 293: 629-638	Johannes RE (1980). The ecological dsignificance of the submarine discharge of groundwater. <i>Marine Ecology Progress Series</i> 3: 365-373.
Jones GP, McCormick MI, Srinivasan M, Eagle JV (2004) Coral decline threatens fish biodiversity in marine reserves. <i>Proc Nat Acad Sci</i> 101:8251-8253	Jones R (2005) The ecotoxicological effects of Photosystem II herbicides on corals. <i>Mar Poll Bull</i> 51:495-506	Juhasz A et al. (2010). Does use of tropical beaches by tourists and island residents result in damage to fringing coral reefs? A case study in Moorea French Polynesia. <i>Marine Pollution Bulletin</i> 60: 2251-2256
Kelleher , G (1999) <i>Guidelines for Marine Protected Areas</i> . IUCN, Gland, Switzerland.	Kidd KA, Blanchfield PJ, Mills KH, Palace VP, Evans RE, Lazorchak JM, Flick RW (2007) Collapse of a fish population after	Kirby MX, Miller HM (2005) Response of a benthic suspension feeder (<i>Crassostrea virginica</i> Gmelin) to three centuries of anthropogenic

Reference		
	exposure to synthetic estrogen. <i>Proc Nat Acad Sci</i> 104:8897-8901	eutrophication in Chesapeake Bay. <i>Estuar Coast Shelf Sci</i> 62:679-689
Kleeman SN, Adlard RD, Lester RJG (2002a). Detection of the initial infective stages of the protozoan parasite <i>Marteilia sydneyi</i> in <i>Saccostrea glomerata</i> and their development through to sporogenesis. <i>International Journal for Parasitology</i> 32: 767-784.	Kleeman SN, Le Roux F, Berthe F, Adlard RD (2002b). Specificity of PCR and <i>in situ</i> hybridization assays designed for detection of <i>Marteilia sydneyi</i> and <i>M. refringens</i> . <i>Parasitology</i> 125: 131-141.	Knuckey IA (1996). Maturity in male mud crabs, <i>Scylla serrata</i> , and the use of mating scars as a functional indicator. <i>Journal Of Crustacean Biology</i> 16: 487-495.
Kortenkamp A, Backhaus T, Faust M (2009) State of the art report on mixture toxicology. Final report. Report prepared for the European Commissioner for the Environment. 22 December 2009. http://ec.europa.eu/environment/chemicals/pdf/report_Mixture%20toxicity.pdf Accessed 12th December 2010	Kroon FJ (2005). Behavioural avoidance of acidified water by juveniles of four commercial fish and prawn species with migratory life stages. <i>Marine Ecology Progress series</i> . 285: 193-204.	Langdon JS (1989a). Disease risks of fish introductions and translocations. Workshop on Introduced and Translocated Fishes and their Ecological Effects Australia Society for Fish Biology, Townsville, August 1989.
Langdon JS (1990). Disease risks of fish introductions and translocations. <i>Bureau of Rural Resources Proceedings</i> 8: 98-107.	Lergessner JG (2006). Oysterers of Moreton Bay. Schuurs Publications. 235 pgs.	Lessios (1988). Mass mortality of <i>Diadema antillarum</i> in the Caribbean: what have we learned? <i>Ann. Rev. Ecol. Syst.</i> 19: 371-393
Lewis et al. (2009a). Pesticide residues in the Great Barrier Reef. <i>Pesticides News</i> 86 (Dec 2009): 8-11	Lewis SE and 9 other co-authors (2009b). Herbicides. A new threat to the Great Barrier Reef. <i>Environmental Pollution</i> 157: 2470-2484.	Lightner DV (1996). Epizootiology, distribution and the impact on international trade of two penaeid shrimp viruses in the Americas. <i>Revue Scientifique et Technique Office International des Epizooties</i> 15: 579-601
Lightner DV, Redman RM, Poulos BT, Nunan LM, Mari JL, Hasson KW (1997). Risk of spread of penaeid shrimp viruses in the Americas by the international movement of live and frozen shrimp. <i>Rev. Sci. Tech. - Off. Int. Epizoot.</i> 16: 146-160.	Lintermans M (2004). Human-assisted dispersal of alien freshwater fish in Australia. <i>New Zealand Journal of Marine and Freshwater Research</i> 38: 481-501.	Lynham CP et al. (2006). Jellyfish overtake fish in a heavily fished ecosystem. <i>Current Biology Vol</i> 16: R492.
Marriott RJ, Adams DJ, Jarvis ND, Moran MJ, Newman SJ, Craine M (2010). Age based demographic assessment of fished stocks of <i>Lethrinus nebulosus</i> in the	Macintosh A, Bonyhady T, Smith A (2009). Commonwealth Marine Protected Areas Displaced Activities Analysis. Australian Centre for Environmental Law, Australian National	McClanahan TR et al. (2006). A Comparison of Marine Protected Areas and Alternative Approaches to Coral-Reef Management. <i>Current Biology</i> 16: 1408-1413

Reference		
Gascoyne Bioregion of Western Australia. <i>Fisheries Management and Ecology</i> no. doi: 10.1111/j.1365-2400.2010.00754.x	University. 66 p.	
McClanahan TR (2010). Effects of Fisheries Closures and Gear Restrictions on Fishing Income in a Kenyan Coral Reef. <i>Conservation Biology</i> DOI 0.1111/j.1523-1739.2010.01530.x	McColl KA, Slater J, Jeyasekaran G, Hyatt AD, Crane MSJ (2004). Detection of White Spot Syndrome virus and Yellowhead virus in prawns imported into Australia. <i>Australian Veterinary Journal</i> 82: 69-74.	McCook LJ et al. (2010). Adaptive management of the Great Barrier Reef: A globally significant demonstration of the benefits of networks of marine reserves. <i>PNAS</i> doi/10.1073/pnas.0909335107
McCulloch M, Fallon S, Wyndham T, Hendy E, Lough J, Barnes D (2003). Coral record of increased sediment flux to the inner Great Barrier Reef since European settlement. <i>Nature</i> 421: 727–730.	McLatchie S et al.(2006). The South-west Marine Region: Ecosystems and Key Species Groups. Department of the Environment and Water Resources. Parts 1 and 2	McMahon K, Nash SB, Eaglesham G, Muller JF, Cuke NC, Winderlich S (2005) Herbicide contamination and the potential impact to seagrass meadows in Hervey Bay, Queensland, Australia. <i>Mar Poll Bull</i> 51:325-334
Magnusson M, Heimann K, Quayle P, Negri AP (2010) Additive toxicity of herbicide mixtures and comparative sensitivity of tropical benthic microalgae. <i>Mar Poll Bull</i> 60:1978-1987.	Mapstone, B.D., Davies, C.R., Little, L.R., Punt, A.E., Smith, A.D.M., Pantus, F., Lou, D.C., Williams, A.J., Jones, A., Russ, G.R., MacDonald, A.D., 2004. The effects of line fishing on the Great Barrier Reef and evaluation of alternative potential management strategies. CRC Reef Research Centre Technical Report no. 52. CRC Reef Research Centre, Townsville, Australia	Myers MR, Ambrose RF (2009). Differences in benthic cover inside and outside marine protected areas on the Great Barrier Reef: influence of protection or disturbance history? <i>Aquatic Conserv: Mar. Freshw. Ecosyst.</i> 19: 736–747
Myers MR, Ambrose RF (2009). Differences in benthic cover inside and outside marine protected areas on the Great Barrier Reef: influence of protection or disturbance history? <i>Aquatic Conserv: Mar. Freshw. Ecosyst.</i> 19: 736–747	Meyer CG, Holland KN, Papastamatiou YP (2007). Seasonal and diel movements of giant trevally <i>Caranx ignobilis</i> at remote Hawaiian atolls, implications for the design of marine protected areas. <i>Mar. Ecol. Prog. Ser.</i> 333: 13-25.	Mumby et al. (2006). Fishing, trophic cascades, and the process of grazing on coral reefs. <i>Science</i> 311: 98–101
Mumby, P.J. and Harborne, A.R. (2010). Marine reserves enhance the recovery of corals on	Myers RA, Worm B (2003). Rapid worldwide depletion of predatory fish communities. <i>Nature</i>	Munday PL et al. (2008). Climate change and the future for coral reef fishes <i>Fish and Fisheries</i> 9: 261–285

Reference		
Caribbean reefs. PLoS ONE 5(1): e8657	423: 280-283. and Seaweb.org (2003). Cover Study of Nature Provides Startling New Evidence that Only 10% of All Large Fish are Left in Global Ocean. Wednesday May 14 th , 2003.	
Murphy NE, Goggin CL (2000). Genetic Discrimination of Sacculinid Parasites (Cirripedia, Rhizocephala): Implication for Control of Introduced Green Crabs (<i>Carcinus maenas</i>). <i>Journal of Crustacean Biology</i> 20: 153-157.	Nell JA (2001). The history of oyster farming in New South Wales. <i>Marine Fisheries Review</i> 63: 14-25.	O'Donnell et al. (2010). Ocean acidification alters skeletogenesis and gene expression in larval sea urchins. <i>Marine Ecology Progress Series</i> 398: 157-171
Ogburn DM, White I, McPhee DP (2007). The disappearance of oyster reefs from eastern Australian estuaries impact of colonial settlement or mudworm invasion? <i>Coastal Management</i> /35: 271-287.	Oxley WG, Alying AM, Cheal AJ, Thompson AA (2003). Marine Surveys undertaken in the Coringa-Herald National Nature Reserve, March –April 2003. AIMS report produced by CRC Reef for Environment Australia. Townsville 2003	Oxley WG, Emslie M, Muir P, Thompson AA (2004). <i>Marine Surveys undertaken in the Lihou Reef National Nature Reserve, March 2004</i> . AIMS report produced by The Department of Environment and Heritage. Townsville 2004
Page CA and 9 other authors (2009). Influence of marine reserves on coral disease prevalence. <i>Diseases of Aquatic Organisms</i> 87: 135-150.	Pattiaratchi C (2007). Understanding areas of high productivity within the South-west Marine Region. School of Environmental Systems Engineering, The University of Western Australia	Paterson KJ, Schreider MJ, Zimmerman KD (2003). Anthropogenic effects on seston quality and quantity and the growth and survival of Sydney rock oyster (<i>Saccostrea glomerata</i>) in two estuaries in NSW, Australia. <i>Aquaculture</i> 221: 407–426.
Penn, JW, Fletcher WJ (2010). The efficacy of sanctuary areas for the management of fish stocks and biodiversity in WA waters. Fisheries Research Report No. 169. Department of Fisheries, Western Australia. 48 p.	Phillips WJ, Cannon LRG (1978). Ecological observations on the commercial sand crab, <i>Portunus pelagicus</i> (L.), and its parasite, <i>Sacculina granifera</i> Boschma, 1973 (Cirripedia: Rhizocephala). <i>Journal of Fish Diseases</i> 1: 137–149.	Pew Charitable Trust (2008). An Australian Coral Sea Heritage Park. Zethoven I (ed). 20 p.
Pike, D. A., Webb, J. K. and Shine, R. (2011), Chainsawing for conservation: Ecologically	Pillans S, Pillans RD, Johnstone RW, Kraft PG, Haywood MDE, Possingham HP (2005).	Pillans et al. (2007). Impact of marine reserves on nekton diversity and community composition in

Reference		
informed tree removal for habitat management. Ecological Management & Restoration, 12: no. doi: 10.1111/j.1442-8903.2011.00582	Effects of marine reserve protection on the mud crab <i>Scylla serrata</i> in a sex biased fishery in sub tropical Australia. <i>Marine Ecology Progress Series</i> 295: 201-213.	subtropical eastern Australia. <i>Biological Conservation</i> 136: 455-469
Pitcher TJ, Kalikoski D, Pramod G, Short K (2009). Not Honouring the code. <i>Nature</i> 457: 658-659.	Pittman SJ, Pittman KM (2005). Short term consequences of a benthic cyanobacterial bloom (<i>Lyngbya majuscula</i>) for fish and penaeid prawns in Moreton Bay. <i>Estuarine, Coastal and Shelf Science</i> 63: 619-632.	Polacheck (2006). Tuna longline catch rates in the Indian Ocean: Did industrial fishing result in a 90% rapid decline in the abundance of large predatory species? <i>Marine Policy</i> 30: 470-482.
Popper AN, Hastings MC (2009) The effects of anthropogenic sources of sound on fishes. <i>J Fish Biol</i> 75:455-489	Possingham H, Ward T, Stewart R, Segan D, Kircher L (2009). Wild Australia Program – South West Australia Science Project. PEW Log No: 2006-000202. Report prepared for PEW Environment Group, 21 October 2009, Uniquist Project No: 15621. 146 p.	Preen AR, Long WJL, Coles RG (1995) Flood and cyclone related loss, and partial recovery of more than 1000 km ² of seagrass in Hervey Bay, Queensland, Australia. <i>Aquat Bot</i> 52:3-17
Quinnell S, Hulsman K, Davie PJ (2004). Protein model for pollutant uptake and elimination by living organisms and its implication for ecotoxicology. <i>Marine Ecology Progress Series</i> 274: 1-16.	Raymundo LJ et al. (2009). Functionally diverse reef-fish communities ameliorate coral disease. <i>PNAS</i> 106: 17067-17070	Robbins, W.D., Hisano, M., Connolly, S.R., Choat, J.H., 2006. Ongoing collapse of coralreef shark populations. <i>Curr. Biol.</i> 16, 2314-2319.
Rochette S, Rivot E, Morin J, Mackinson S, Riou P, LePape O (2010). Effect of nursery habitat degradation on flatfish population: Application to <i>Solea solea</i> in the Eastern Channel (Western Europe). <i>Journal of Sea Research</i> 64: 34-44.	Stevenson, C., Katz, L.S., Micheli, F., Block, B., Heiman, K.W., Perle, C., Weng, K., Dunbar, R., Witting, J., 2007. High apex predator biomass on remote Pacific islands. <i>Coral Reefs</i> 26, 47-51	Stige LC (2011). Environmental toxicology: Population modeling of cod larvae shows high sensitivity to loss of zooplankton prey. <i>Marine Pollution Bulletin</i> 62: 395-398.
Sutherland et al. (2010). Human sewage identified as likely source of white pox disease of the threatened Caribbean elkhorn coral, <i>Acropora palmata</i> . <i>Environmental Microbiology</i> 12: 1122-1131.	Sutton SG, and Tobin RC (2009). Recreational fishers' attitudes towards the 2004 rezoning of the Great Barrier Reef Marine Park. <i>Environmental Conservation</i> doi:10.1017/S0376892909990270	The Ecology Centre (2009). Scientific Principles for Design of Marine Protected Areas in Australia: A Guidance Statement. 29 p

Reference		
Thorne, RE, Thomas GL (2008). Herring and the "Exxon Valdez" oil spill: an investigation into historical data conflicts. <i>ICES Journal of Marine Science</i> 65: 44–50.	Read GB (2010). Comparison and history of <i>Polydora websteri</i> and <i>P. haswelli</i> (Polychaeta: Spionidae) as mud-blister worms in New Zealand shellfish. <i>New Zealand Journal of Marine and Freshwater Research</i> 44: 83-100.	Roughley TC (1926). An investigation of the cause of an oyster mortality on the Georges River, NSW, 1924-25. <i>Proceedings of the Linnaean Society of NSW</i> 51: 446-491.
Roughley TC (1939). A review of the scientific investigation of the fisheries of New South Wales [Presidential address to Linnean Society]. <i>Proceedings of the Linnean Society of New South Wales</i> 64: vi_xxvii.	Sebesvari Z, Esser F, Harder T (2006). Sediment-associated cues for larval settlement of the infaunal spionid polychaetes <i>Polydora cornuta</i> and <i>Streblospio benedicti</i> . <i>Journal of Experimental Marine Biology and Ecology</i> 337: 109-120.	Shields JD, Woods FEI (1993). Impact of parasites on the reproduction and fecundity of the blue sand crab <i>Portunus pelagicus</i> from Moreton Bay, Australia. <i>Marine Ecology Progress Series</i> 92: 159-170.
Speare P, Cappo M, Rees M, Brownlie J, Oxley W (2004). <i>Deeper Water Fish and Benthic Surveys in the Lord Howe Island Marine Park (Commonwealth Waters): February 2004</i> . Produced for Department of the Environment and Heritage with National Heritage Trust funding. AIMS, Townsville. 2004. 30 pgs.	Sumpton WD, Potter MA, Smith GS (1994). Parasitism of the commercial sand crab <i>Portunus pelagicus</i> by the rhizocephalan <i>Sacculina granifera</i> Boschma 1973 in Moreton Bay, QLD Australia. <i>Australian Journal of Marine and Freshwater Research</i> 45: 169-175.	Sweatman H (2008) No-take reserves protect coral reefs from predatory starfish. <i>Curr Biol</i> 18:R598–R599
TAMBURRI MN et al (2008). SETTLEMENT OF CRASSOSTREA ARIAKENSIS LARVAE: EFFECTS OF SUBSTRATE, BIOFILMS, SEDIMENT AND ADULT CHEMICAL CUES. <i>Journal of Shellfish Research</i> , Vol. 27, No. 3, 601–608.	Shears NT, Babcock RT (2002). Marine reserves demonstrate top-down control of community structure on temperate reefs. <i>Oecologia</i> 132:131–142	Thompson JM (1951). Catch composition of the sand crab fishery in Moreton Bay.
van Herwerden et al. (2008). Population genetic structure of Australian Galapagos reef sharks <i>Carcharhinus galapagensis</i> at Elizabeth and Middleton Reefs Marine National Nature Reserve and Lord Howe Island Marine Park. Final Report to the DEWHA.	van Herwerden (2009). Connectivity of black cod <i>Epinephelus daemeli</i> between Elizabeth and Middleton Reefs (as measured by population genetic structure based on microsatellites). Final Report to the Department of Environment, Water, Heritage and the Arts. 14 pgs.	Walker LM (2009). <i>Polydora</i> and <i>Dipolydora</i> (Polychaeta: Spionidae) of estuaries and bays of subtropical eastern Australia: A review and morphometric investigation of their taxonomy and distribution. MSc thesis, Southern Cross University, Lismore, NSW. 180 pgs.
Walker LM (2011). A review of the current	Weng HT (1987). The parasitic barnacle, <i>Sacculina granifera</i> Boschma, affecting the	Wetherbee BM, Holland KN, Meyer CG, Lowe CG (2004). Use of a marine reserve in Kaneohe Bay,

Reference		
status of the <i>Polydora</i> -complex (Polychaeta: Spionidae) in Australia and a checklist of recorded species. <i>Zootaxa</i> 2751: 40-62.	commercial sand crab, <i>Portunus pelagicus</i> (L.), in populations from two different environments in Queensland. <i>Journal of Fish Diseases</i> 10: 221-227.	Hawaii by the giant trevally, <i>Caranx ignobilis</i> <i>Fisheries Research</i> 67: 253-263.
Wesche SJ (1995). Outbreaks of <i>Marteilia sydneyi</i> in Sydney rock oysters and their relationship with environmental pH. <i>Bulletin of the European Association of Fish Pathologists</i> 15: 23-27.	Whitelegge T (1890). Report on the worm disease affecting the oysters on the coast of New South Wales. <i>Records of the Australian Museum</i> 1: 1 – 15.	Whittington RJ, Chong R (2007). Global trade in ornamental fish from an Australian perspective: The case for revised import risk analysis and management strategies. <i>Preventive Veterinary Medicine</i> 81 (1-3 Spec. Iss.): pgs. 92-116.
Whittington RJ, Jones JB, Hine PM, Hyatt AD (1997). Epizootic mortality in the pilchard <i>Sardinops sagax neopilchardus</i> in Australia and New Zealand in 1995. 1. Pathology and epizootiology. <i>Diseases of Aquatic Organisms</i> 28: 1-16.	Whittington RJ, Crockford M, Jordan D, Jones B (2008). Herpesvirus that caused epizootic mortality in 1995 and 1998 in pilchard, <i>Sardinops sagax neopilchardus</i> (Steindachner), in Australia is now endemic. <i>Journal of Fish Diseases</i> 31: 97-105.	Wickins SC, Dennis MM, Landos M, Slapeta J, Whittington RJ (2011). Histopathological survey of lesions and infections affecting sick ornamental fish in pet shops in New South Wales, Australia. <i>Diseases of Aquatic Organisms</i> 94: 143-152.
Wolf PH (1972). Occurrence of a haplosporidan in Sydney rock oysters <i>Crassostrea commercialis</i> from Moreton Bay, Queensland, Australia. <i>Journal of Invertebrate Pathology</i> 19: 416-417.	World Commission on Protected Areas (2000). Application of ICUN protected area management categories. Draft Australian Handbook. WCPA Australian and New Zealand Region. March 2000. 77 p.	

Reference list:

- AFMA (2003). Environmental Assessment Report – Coral Sea Fishery. Australian Fisheries Management Authority July 2003. 65 p
- Alpine JE, Hobday AJ (2007). Area requirements and pelagic protected areas: is size an impediment to implementation? *Marine and Freshwater Research* 58: 558-569.
- Allen JD, Abell R, Hogan Z, Revenga C, Taylor BW, Welcomme RL, Winemiller K (2005) Overfishing of inland waters. *Biosci* 55:1041-1051
- Altenburger R, Greco WR (2009) Extrapolation concepts for dealing with multiple contamination in environmental risk assessment. *Integr Environ Assess Man* 5:62–68
- ANZECC (1998). Guidelines for establishing the National Representative System of Marine Protected Areas. ANZECC Taskforce on Marine Protected Areas, December 1998. 15 p.
- ANZECC (1999). Strategic Plan of Action for the National Representative System of Marine Protected Areas: A Guide for Action by Australian Governments. ANZECC Task Force on Marine Protected Areas. July 1999. 80 p.
- Aronson RB, Precht WF (2006). Conservation, precaution and Caribbean reefs. *Coral Reefs* 25: 441-450.
- Ault JS, Moret S, Luo J, Larkin MF, Zurcher N, Smith SG (2008). Florida keys bonefish population census. In. Ault JS (ed). *Biology and Management of the world Tarpon and Bonefish Fisheries*. pgs . 383- 398. CRC press.
- Australian Marine Sciences Association (2008). Position paper on marine protected areas. December 2008.
- Bailey HC, Krassoi R, Elphick JR, Mulhall AM, Hunt P, Tedmanson L, Lovell A (2000) Whole effluent toxicity of sewage treatment plants in the Hawkesbury-Nepean watershed, New South Wales, Australia, to *Ceriodaphnia dubia* and *Selenastrum capricornutum*. *Environ Toxicol Chem* 19:72-81
- Bainbridge ZT, Brodie JE, Faithful JW, Sydes DA, Lewis SE (2009). Identifying the land-based sources of suspended sediments, nutrients and pesticides discharged to the Great Barrier Reef from the Tully-Murray basin, Queensland, Australia. *Marine and Freshwater Research* 60: 1081-1090.
- Barker and Roberts (2004). Scuba diver behaviour and the management of diving impacts on coral reefs. *Biological Conservation* 120: 481-489.

- Bartlett CY, Manua C, Cinner J, Sutton S, Jimmy R, Douth R, Nilsson J, Raina J (2009a). Comparison of outcomes of permanently closed and periodically harvested coral reef reserves. *Conservation Biology* 23: 1475-1484.
- Bartlett CY, Pakoa K, Manua C (2009b). Marine Reserve phenomenon in the Pacific Islands. *Marine Policy* 33: 673-678.
- Bate R (2001) Saving Our Streams: the Role of the Anglers' Conservation Association in Protecting English and Welsh Rivers. London: The Institute of Economic Affairs and Profile Books
- Baum, J.K., Myers, R.A., Kehler, D.G., Worm, B., Harley, S.J., Doherty, P.A., 2003. Collapse and conservation of shark populations in the Northwest Atlantic. *Science*
- Beck MW and 14 other co-authors (2011). Oyster Reefs at Risk and Recommendations for Conservation, Restoration, and Management. *Bioscience* 61: 107-116.
- Bednarek A (2001) Undamming Rivers: A review of the ecological impacts of dam removal. *Environ Manage* 27:803-814
- Belden JB, Gilliom RJ, Lydy MJ (2007) How well can we predict the toxicity of pesticide mixtures to aquatic life ? *Integr Environ Assess Manage* 3:364-372
- Blankenship HL, Leber KM (1995) A responsible approach to marine stock enhancement. *Amer Fish Soc Symp* 15:167-175
- Blazer VS, Iwanowicz LR, Iwanowicz DD, Smith DR, Young JA, Hedrick JD, Foster SW, Reeser SJ (2007) Intersex (testicular oocytes) in smallmouth bass from the Potomac River and selected nearby drainages. *J Aquat Anim Health* 19: 242-253
- Boerger CM, Lattin GL, Moore SL, Moore CJ (2010) Plastic ingestion by planktivorous fishes in the North Pacific Central Gyre . *Mar Poll Bull* 60:2275-2278
- Boesch D (2006) Scientific requirements for ecosystem-based management in the restoration of Chesapeake Bay and coastal Louisiana. *Ecol Engineer* 26:6-26
- Boesch D, Burreson E, Dennison W, Houde E, Kemp M, Kennedy V, Newell R, Paynter K, Orth R, Ulanowicz R. (2001). Factors in the decline of coastal ecosystems. *Science* 292: 1589–1591.
- Botsford LW, Michell F, Hastings A (2003). Principles for design of marine reserves. *Ecological Applications* 13: S25-S31.

- Boyce D (2006). *Effects of water temperature on the global distribution of tuna and billfish*. Submitted in partial fulfillment of the requirements for the degree of Honors Bachelor of Science in Biology at Dalhousie University, Halifax, Nova Scotia. April, 2004. 68 pgs.
- Brewer DT, Flynn A, Skewes TD, Corfield J, Pearson B, Alowa J, and Young JW (2007). *Ecosystems of the East Marine Planning Region*. Report to Department of Environment and Water Resources. CSIRO, Cleveland. 150 pgs.
- Broadhurst MK, Uhlmann SS, Millar RB (2008) Reducing discard mortality in an estuarine trawl fishery. *J Exper Mar Biol Ecol* 354:54–61
- Brockington, D. (2002) *Fortress Conservation: The Preservation of the Mkomazi Game Reserve, Tanzania*. Oxford: James Currey.
- Brockington, D. (2004), 'Community conservation, inequality and injustice: myths of power in Protected Area management', *Conservation and Society* 2: 411-432.
- Brusle J (1995) The impact of harmful algal blooms on finfish. Mortality, pathology and toxicology. IFREMER Reperes Ocean No. 10. 1995.
- Burgess, G.H., Beerkircher, L.R., Cailliet, G.M., Carlson, J.K., Cortés, E., Goldman, K.J., Grubbs, R.D., Musick, J.A., Musyl, M.K., Simpfendorfer, C.A., 2005. Is the collapse of shark populations in the Northwest Atlantic Ocean and Gulf of Mexico real? *Fisheries* 30, 19–26.
- Burreson EM, Stokes NA, Friedman CS (2000) Increased virulence in an introduced pathogen: *Haplosporidium nelsoni* (MSX) in the eastern oyster, *Crassostrea virginica*. *J Aquat Anim Health* 12:1-8
- Buxton CD, Barrett NS, Haddon M, Gardner C, Edgar GJ (2005). Evaluating the effectiveness of marine protected areas as a fisheries management tool. Report to FRDC, TAFI, University of Tasmania, Hobart.
- Campbell SJ, McKenzie JL (2004) Flood related loss and recovery of intertidal seagrass meadows in southern Queensland, Australia. *Estuar Coast Shelf Sci* 60: 477-490
- Campbell, R.A., Mapstone, B.D., Smith, A.D.M., 2001. Evaluating large-scale experimental designs for management of coral trout on the Great Barrier Reef. *Ecol. Appl.* 11, 1763–1777.
- Carlson, J.K., Osborne, J., Schmidt, T.W., 2007. Monitoring the recovery of smalltooth sawfish, *Pristis pectinata*, using standard relative indices of abundance. *Biol. Conserv.* 136, 195–202.
- Casini M, Lovgren J, HjelmJ, Cardinale M, Molinero J, Kornilovs G (2008) Multi-level trophic cascades in a heavily exploited open marine ecosystem. *Proc Roy Soc B* 275:1793-1801

- Chasse C (1978) The ecological impact on and near shores by the Amoco Cadiz oil spill. *Mar Poll Bull* 9:298-301
- Chesapeake Research Consortium (1999). Chesapeake Bay oyster restoration. Concensus of a meeting of scientific experts. Virginia Institute of Marine Science, Wachapreague, Virginia. June 1999. 5 p.
- Chin A, Sweatman H, Forbes S, Perks H, Walker R, Jones G, Williamson D, Evans R, Hartley F, Armstrong S, Malcolm H, Edgar G (2008). *Chapter 11. Status of the Coral Reefs of Australia and Papua New Guinea*. Pgs. 159-176. In: Wilkinson (ed). *Status of the Coral Reefs of the World: 2008*. Global Coral Reef Monitoring Network and Reef and Rainforest Research Centre, Townsville. 296 pgs.
- Choat JH, van Herwenden L, Robbins WD, Hobbs JP, Ayling AM (2006). *A report on the ecological surveys undertaken at Middleton and Elizabeth Reefs, February 2006*. Report by James Cook University to the Department of the Environment and Heritage. 65 pgs.
- Cinner JE, McClanahan TR, Graham NA, Pratchett MS, Wilson SK, Raina JB (2009). Gear-based fisheries management as a potential adaptive response to climate change and coral mortality. *Journal of Applied Ecology* 46: 724-732.
- Commonwealth of Australia (2006). *A Guide to the Integrated Marine and Coastal Regionalisation of Australia Version 4.0*. Department of the Environment and Heritage, Canberra, Australia. 14 p.
- Compagno, L.J.V., 1984. *Sharks of the world. An annotated and illustrated catalogue of shark species known to date. Part 2, Carcharhiniformes*. *FAO Fish Synopsis* 125, 251–655.
- Coral Disease Working Group (2008) Coral disease, environmental drivers, and the balance between coral and microbial associates. *Oceanog* 20:172-195
- Cotton S, Wedekind C (2008). Population consequences of environmental sex reversal. *Cons Biol* 23:196-206
- Couch JA ,Courtney L (1977). Interaction of chemical pollutants and virus in a crustacean: A novel bioassay system. *Ann NY Acad Sci* 298:497-503
- Crow, G.L., Lowe, C.G., Wetherbee, B.M., 1996. Shark records from longline fishing programs in Hawai'i with comments on Pacific Ocean distribution. *Pac. Sci.* 50, 382–392.
- Cudney-Bueno R et al. (2009). Rapid Effects of Marine Reserves via Larval Dispersal. *PLOS* 4 (1): e4140

- Daskalov GM et al. (2007). Trophic cascades triggered by overfishing reveal possible mechanisms of ecosystem regime shifts. *PNAS* 104(25): 10518–10523.
- Danylchuk AJ, Adams A, Cooke SJ, Suski CD (2008) An evaluation of the injury and short term survival of bonefish (*Albula* spp.) as influenced by a mechanical lip gripping device used by recreational anglers. *Fisheries Res* 93:248-252
- Daszak P, Cunningham AA, Hyatt AD (2000) Emerging infectious diseases of wildlife – threats to biodiversity and human health. *Science* 287:443-449
- Davis MW (2002) Key principles for understanding fish bycatch discard mortality. *Can J Fish Aquat Sci* 59:1834-1843
- Death G, Fabricus K (2010). Water quality as a regional driver of coral biodiversity and macroalgae on the Great Barrier Reef. *Ecological Applications* 20: 840–850
- DeFur PL, Mangum CP, Reese JE (1990) Respiratory responses of the blue crab *Callinectes sapidus* to long term hypoxia. *Biol Bull* 178:46-54
- DeSanto EM, Jones PJ, Miller AM (2010). Fortress conservation at sea: A commentary on the Chagos marine protected area. *Marine Policy* 35: 258-260.
- DEWHA (2009). *The East Marine Bioregional Plan – Bioregional Profile*. Dept. Environment, Water, Heritage and the Arts. 157 pgs.
- Diggles BK (2009). Fish Kill, Biggs Ave, November 2009. DigsFish Services Report DF09-11, prepared for all interested members of the public, and relevant authorities, to assist them in their investigations. 26 p. Available upon request.
- Diggles BK (2010). Review of literature used to underpin declaration of the Coral Sea conservation zone. DigsFish Services Report DF 10-01 prepared for Marine QLD, 28 January 2010. 30 p.
- Diggles BK (2011). Declines in bivalve populations in northern Moreton Bay. Briefing note prepared by DigsFish Services for presentation to Fisheries QLD. 4 p. Available upon request.
- Diggles BK, Ernst I (1997) Hooking mortality of two species of shallow-water reef fish caught by recreational angling methods. *Mar FW Res* 48:479–483

- Diggles, B. K. and Ernst, I. (1997). Hooking mortality of two species of shallow water reef fish caught by recreational angling methods. *Marine and Freshwater Research* 48: 479-483. <http://www.publish.csiro.au/nid/126/paper/MF96108.htm>
- Director of National Parks (2006). *Elizabeth and Middleton Reefs Marine National Nature Reserve Management Plan*. Director of National Parks, Canberra. 72 pgs.
- Dowling CE, Hall KC, Broadhurst MK (2010) Immediate fate of angled and released Australian bass *Macquaria novemaculeata*. *Hydrobiol* 641:145-157
- Dudley, N. (Editor) (2008). *Guidelines for Applying Protected Area Management Categories*. Gland, Switzerland. IUCN. 86 p.
- Duke N, Haller A (2009). “Sinking Centres” in Moreton Bay mangroves – maps showing areas of unusual anoxic ponds and mangrove dieback in tidal wetlands of the bay area in 2008-9. report to H&A, QPIF, DEEDI QLD. Centre for Marine Studies, The University of Queensland.
- Edgar, G.J., Barrett, N.S., and Stuart-Smith, R.D (2009). Exploited reefs protected from fishing transform over decades into conservation features otherwise absent from seascapes. *Ecological Applications* 19(8): 1967-1974
- Environment Australia (2001). *Coringa-Herald National Nature Reserve and Lihou Reef National Nature Reserve. Management Plan*. Environment Australia 2001. 52 pgs. <http://www.environment.gov.au/coasts/mpa/publications/pubs/coringa-plan.pdf>
- Environment Australia (2001). *Coringa-Herald National Nature Reserve & Lihou Reef National Nature Reserve: Management Plan*. Commonwealth of Australia 2001. 52 pgs.
- Ernst and Young (2004). Economic impact of the striped marlin fishery. Report prepared for NSW Fisheries by EYECon, June 2004. 124 pgs. . http://www.dpi.nsw.gov.au/_data/assets/pdf_file/0006/151944/striped-marlin-report.pdf
- FAO (1995) Code of Conduct for Responsible Fisheries. Rome, FAO. 1995. 41 pgs.
- FAO (2009). The state of world fisheries and aquaculture 2008. Food and Agriculture Organization of the United Nations, Rome, 2009.
- Fernandes, L., Day, J., Lewis, A., Slegers, S., Kerrigan, B., Breen, D., Cameron, D., Jago, B., Hall, J., Lowe, D., Innes, J., Tanzer, J., Chadwick, V., Thompson, L., Gorman, K., Simmons, M., Barnett, B., Sampson, K., De’ath, G., Mapstone, B., Marsh, H., Possingham, H., Ball, I., Ward, T., Dobbs, K., Aumend, J., Slater, D., Stapleton, K., 2005. Establishing representative no-take areas in the Great Barrier Reef: large scale implementation of theory on marine protected areas. *Conserv. Biol.* 19, 1733–1744.

Fisher J. & K. Frank (2002). 'Changes in finfish community structure associated with an offshore fishery closed area on the Scotian Shelf', *Marine Ecology Progress Series*. 240: pp249–265.

Fisher WS, Oliver LM, Walker WW, Manning CS, Lytle TF (1999). Decreased resistance of eastern oysters (*Crassostrea virginica*) to a protozoan pathogen (*Perkinsus marinus*) after sublethal exposure to tributyltin oxide. *Mar Environ Res* 47:185–201

Forrest R, Pitcher TJ (2006). *Misguided Claims of Overfishing in New South Wales: Comment on "Empty Oceans Empty Nets. An evaluation of NSW fisheries catch statistics from 1940 to 2000"*. Fisheries Centre Working Paper #2006-16, The University of British Columbia, Vancouver, B.C., Canada.

Friedlander et al. (2003). Effects of habitat, wave exposure, and marine protected area status on coral reef fish assemblages in the Hawaiian archipelago. *Coral Reefs* 22: 291-305.

Friedlander AM, Caselle JE, Beets J, Lowe CG, Bowen BW, Ogawa TK, Kelley KM, Calitri T, Lange M, Anderson BS (2008). Biology and ecology of the recreational bonefish fishery at Palmyra Atoll National Wildlife refuge with comparisons to other Pacific Islands. In. Ault JS (ed). *Biology and Management of the world Tarpon and Bonefish Fisheries*. pgs . 27-56. CRC press.

Friedlander AM, DeMartini EE (2002) Contrasts in density, size and biomass of reef fishes between the northwestern and the main Hawaiian islands: the effects of fishing down apex predators. *Mar Ecol Prog Ser* 230:253-264

Friedlander, A.M., DeMartini, E.E., 2002. Contrasts in density, size, and biomass of reef fishes between the northwestern and the main Hawaiian islands: the effects of fishing down apex predators. *Mar. Ecol. Prog. Ser.* 230, 253–264.

Galal N., R. Ormond & O. Hassan. (2002). 'Effect of a network of no-take reserves in increasing exploited reef fish stocks and catch per unit effort at Nabq, South Sinai, Egypt', *Marine and Freshwater Research* 53, pp199-205.

Game GT et al. (2009). Pelagic protected areas: the missing dimension in ocean conservation. *Trends in Ecology and Evolution* 1080:

Garcia VB, Lucifora LO, Myers RA (2008) The importance of habitat and life history to extinction risk in sharks, skates, rays and chimaeras. *Proc Roy Soc B* 275: 83-89

Gardner, TA, Coté IM, Gill JA, Grant A, Watkinson AR (2005) Hurricanes and Caribbean coral reefs: Impacts, recovery patterns and role in long term decline. *Ecol* 86:174–184

- Garla, R.C., Chapman, D.D., Shivji, M.S., Wetherbee, B.M., 2006a. Movement patterns of young Caribbean reef sharks, *Carcharhinus perezi*, at Fernando de Noronha Archipelago, Brazil: the potential of marine protected areas for conservation of a nursery ground. *Mar. Biol.* 149, 189–199.
- Garla, R.C., Chapman, D.D., Shivji, M.S., Wetherbee, B.M., Amorim, A.F., 2006b. Habitat of juvenile Caribbean reef sharks, *Carcharhinus perezi*, at two oceanic insular marine protected areas in the southwestern Atlantic Ocean: Fernando de Noronha Archipelago and Atol das Rocas, Brazil. *Fish. Res.* 81, 236–241.
- Garrick D, Siebentritt MA, Aylward B, Bauer CJ, Purkey A (2009) Water markets and freshwater ecosystem services: Policy reform and implementation in the Columbia and Murray-Darling Basins. *Ecol Econom* 69:366-379
- Gaughan DJ (2002) Disease-translocation across geographic boundaries must be recognized as a risk even in the absence of disease identification : the case with Australian *Sardinops*. *Rev Fish Biol Fisheries* 11:113-123
- Gaughan DJ, Mitchell RW, Blight SJ (2000) Impact of mortality, possibly due to herpesvirus, on pilchard *Sardinops sagax* stocks along the south coast of Western Australia in 1998–99. *Mar FW Res* 51:601–612
- Gehrke PC, Brown P, Schiller CB, Moffatt DB, Bruce AM (1995) River regulation and fish communities in the Murray Darling river system, Australia. *Regulated Rivers: Res Man* 11:363-375
- Gerritsen A, van der Hoeven N, Pielaat A (1998) The acute toxicity of selected alkylphenols to young and adult *Daphnia magna*. *Ecotox Environ Safety* 39:227-232
- Golbu Y et al. (2011). River discharge reduces reef coral diversity in Palau. *Marine Pollution Bulletin* 62: 824-831.
- Granek EF, Madin EMP, Brown MA, Figueira W, Cameron DS, Hogan Z, Kristianson, G, de Villiers P, Williams JE, Post J, Zahn S, Arlinghaus R (2008) Engaging recreational fishers in management and conservation: global case studies. *Conserv Biol* 22:1125-1134
- Griffiths SP, Fry GC, Manson FJ, Pillans RD (2007). Feeding dynamics, consumption rates and daily ration of longtail tuna (*Thunnus tonggol*) in Australian waters, with emphasis on the consumption of commercially important prawns. *Marine and Freshwater Research* 58: 376–397.
- Griffiths SP, Pepperell JG (2006). A preliminary synopsis of existing recreational fisheries data sources and the potential for monitoring recreational fishing activities in Commonwealth fisheries: a discussion paper. CSIRO report R06/822, prepared for Australian Fisheries Management Authority, 94 pgs.
- Grimsditch GD, Salm RV (2006). Coral Reef Resilience and Resistance to Bleaching. ICUN Gland, Switzerland. 52pp

- Guidetti P, Claudet J (2009). Co-management practices enhance fisheries in marine protected areas. *Conservation Biology* 24: 312-318.
- Hall MA, Alverson DL, Metuzals KI (2000) By-catch: problems and solutions. *Mar Poll Bull* 41:204-219
- Hallegraeff GM (1993) A review of harmful algal blooms and their apparent global increase. *Phycologica* 32:79-99
- Hampton J, Sibert JR, Kleiber P, Maunder MN, Harley SJ (2005). Decline of Pacific tuna populations exaggerated? *Nature* 434:E1–E2.
- Harada K (1988) Presenting fish for sale on the Japanese market. *Aust Fish* 47: 38-43
- Hardiman N, Burgin S (2010) Recreational impacts on the fauna of Australian coastal marine ecosystems. *J Environ Man* 91:2096-2108
- Harmon SM (2009) Effects of pollution on freshwater organisms. *Water Environ Res* 2009 Lit Rev: 2030-2069
- Hart PJ, Reynolds (2002) Handbook of fish biology and fisheries. Vol 2. Wiley Blackwell.
- Harvell CD, Kim K, Burkholder JM et al. (1999). Emerging marine diseases – climactic links and anthropogenic factors. *Science* 285:1505-1510
- Harvey CJ, Kareiva PM (2005) Community context and the influence of non-indigenous species on juvenile salmon survival in a Columbia River reservoir. *Biol Invas* 7:651-663
- Hastings A. & L. Botsford (2003). ‘Comparing designs of marine reserves for fisheries and for biodiversity’, *Ecological Applications* 13(1) Supplement, s65-s70.
- Haxton TJ, Findlay CS (2008) Meta-analysis of the impacts of water management on aquatic communities. *Can J Fish Aquat Sci* 65:437-447
- Heasman MP (1980). Aspects of the general biology and fishery of the mud crab *Scylla serrata* (Forsk.) in Moreton Bay, Queensland. A thesis submitted in fulfillment of the requirements for the degree of Doctor of Philosophy in the Department of Zoology, The University of Queensland. July 1980. 494 p.
- Heasman MP, Fielder DR, Shepherd RK (2005). Mating and spawning in the mudcrab *Scylla serrata* (Forsk.) (Decapoda: Portunidae), in Moreton Bay, Australia. *Australian Journal of Marine and Freshwater Research* 36: 773-783.
- Heil CA, Glibert PM, Al-Sarawi MA, Faraj M, Behbehani M, Husain M (2001) First record of a fish killing *Gymnodinium* sp. Bloom in Kuwait Bay, Arabian Sea: chronology and potential causes. *Mar Ecol Prog Ser* 214:15-23

Heupel, M.R., Bennett, M.B., 2007. Estimating abundance of reef-dwelling sharks: a case study of the epaulette shark, *Hemiscyllium ocellatum* (Elasmobranchii: Hemiscyllidae). *Pac. Sci.* 61, 383–394.

Hilborn R (2006). Faith based fisheries. *Fisheries* 31: 554-555.

Hine PM, MacDiarmid SC (1997) Contamination of fish products: risks and prevention. *Rev Sci Tech Off Int Epiz* 16: 135-145.

His E, Beiras R, Seaman MNL (1999) The assessment of marine pollution – Bioassays with bivalve embryos and larvae. *Adv Mar Biol* 37:1-178

Hobbs, JPA, McDonald CA (2010) Increased seawater temperature and decreased dissolved oxygen triggers fish kill at the Cocos (Keeling) Islands, Indian Ocean. *J Fish Biol* 77:1219–1229

Hoekstra, J, van den Bergh, J (2005) Harvesting and conservation in a predator-prey system. *J Econ Dynam Cont* 29:1097-1112

Holland KN, Lowe CG, Wetherbee BM (1996). Movements and dispersal patterns of blue trevally (*Caranx melampygus*) in a fisheries conservation zone. *Fisheries Research* 25: 279-292.

Howard JK, Ueyanagi S (1965). Distribution and relative abundance of billfishes (Istiophoridae) of the Pacific Ocean. *Univ. Miami Inst. Mar. Sci., Stud Trop. Oceanogr.* 2: 1-134.

<http://data.aims.gov.au/extpubs/attachmentDownload?docID=1561>

<http://marineqld.com.au/sites/default/files/DigsFish%20Services%20Report%20for%20Marine%20Qld.pdf>

<http://ram.biology.dal.ca/~myers/depletion/docs/MyersWormFinalPR.pdf>

http://wormlab.biology.dal.ca/teaching/thesis_Daniel_Boyce.pdf

http://www.afma.gov.au/fisheries/ext_territories/coral_sea/at_a_glance.htm

<http://www.aims.gov.au/pages/research/reef-monitoring/chnnr/pdf/chnnr-2003.pdf>

http://www.ecology.uq.edu.au/docs/Scientific_Principles_MPAs_c6.pdf

<http://www.environment.gov.au/coasts/mbp/publications/east/pubs/bioregional-profile.pdf>

<http://www.environment.gov.au/coasts/mpa/publications/pubs/connectivity-black-cod.pdf>

<http://www.environment.gov.au/coasts/mpa/publications/pubs/elizabeth-survey06.pdf>

<http://www.environment.gov.au/coasts/mpa/publications/pubs/elizabeth-plan.pdf>

<http://www.environment.gov.au/coasts/mpa/publications/pubs/elizabeth-galapagos-shark.pdf>

<http://www.environment.gov.au/coasts/mpa/publications/pubs/nrsmpa-strategy.pdf>

<http://www.fish.wa.gov.au/docs/frr/frr169/frr169.pdf>

http://www.fmap.ca/ramweb/media/predator_diversity/PD_Press_Release.pdf

http://www.nt.gov.au/d/Fisheries/Content/File/policies/Rec_Fishing_Code_of_Practice.pdf

<http://www.quadrant.org.au/Starck%20document.pdf>

http://www.reefbase.org/download/gcrmn_download.aspx?type=10&docid=13311

<http://www.rfansw.com.au/Documents/Kearney%20RESPONSE%20TO%20ACORF%20ON%20THE%20TORN%20BLUE%20FRINGE.pdf>

http://www.unep-wcmc.org/protected_areas/categories/australia.pdf

<http://www2.fisheries.com/archive/publications/working/2006/2006-16.pdf>

Idjadi et al. (2010). Recovery of the sea urchin *Diadema antillarum* promotes scleractinian coral growth and survivorship on shallow Jamaican reefs. *Marine Ecology Progress Series* 403: 91-100.

Jackson JBC, Kirby MX et al. (2001). Historical overfishing and the recent collapse of coastal ecosystems. *Science* 293:629-637.

Johannes RE (1978). Traditional marine conservation methods in Oceania and their demise. *Annual Review of Ecology and Systematics* 9: 349–364.

- Johannes RE (1998). The case for data-less marine resource management: examples from tropical nearshore finfisheries. *Trends in Ecology and Evolution* 13: 243–246.
- Johnson, R.H., Nelson, D.R., 1973. Agonistic display in the gray reef shark, *Carcharhinus menisorrhah*, and its relationship to attacks on man. *Copeia* 1973, 76–84.
- Jones GP, McCormick MI, Srinivasan M, Eagle JV (2004) Coral decline threatens fish biodiversity in marine reserves. *Proc Nat Acad Sci* 101:8251-8253
- Jones R (2005) The ecotoxicological effects of Photosystem II herbicides on corals. *Mar Poll Bull* 51:495-506
- Jorgensen C et al. (2007). Managing evolving fish stocks. *Science* 318: 24-25.
- Juhasz A et al. (2010). Does use of tropical beaches by tourists and island residents result in damage to fringing coral reefs? A case study in Moorea French Polynesia. *Marine Pollution Bulletin* 60: 2251–2256
- Kearney R (2007). The pros and cons of marine protected areas in New South Wales: Who’s been hoodwinked ? Address to the Australian Society for Fish Biology, Canberra 12 Oct 2007.
- Kelleher , G (1999) *Guidelines for Marine Protected Areas*. IUCN, Gland, Switzerland.
- Kidd KA, Blanchfield PJ, Mills KH, Palace VP, Evans RE, Lazorchak JM, Flick RW (2007) Collapse of a fish population after exposure to synthetic estrogen. *Proc Nat Acad Sci* 104:8897-8901
- Kinne O (1984) Diseases of marine animals. Volumes I-IV. Biologische Anstalt Helgoland.
- Kirby MX, Miller HM (2005) Response of a benthic suspension feeder (*Crassostrea virginica* Gmelin) to three centuries of anthropogenic eutrophication in Chesapeake Bay. *Estuar Coast Shelf Sci* 62:679-689
- Kirkman H (1976). A review of the literature on sea grass related to its decline in Moreton Bay, Queensland. CSIRO Aust. Div. Fish. Oceanogr. Rep. No. 64.
- Knuckey IA (1996). Maturity in male mud crabs, *Scylla serrata*, and the use of mating scars as a functional indicator. *Journal Of Crustacean Biology* 16: 487-495.

Kortenkamp A, Backhaus T, Faust M (2009) State of the art report on mixture toxicology. Final report. Report prepared for the European Commissioner for the Environment. 22 December 2009. http://ec.europa.eu/environment/chemicals/pdf/report_Mixture%20toxicity.pdf Accessed 12th December 2010

La VT, Cooke SJ (2011) Advancing the science and practice of fish kill investigations. *Rev Fisheries Sci* 19:1-13

Laemmle M (2010). Comment: Monumentally Inadequate: Conservation at any cost under the Antiquities Act. *Villanova Environmental Law Journal* 21: 111-158.

Laetz CA, Baldwin DH, Collier TK, Hebert V, Stark JD, Scholz NL (2009) The Synergistic Toxicity of Pesticide Mixtures: Implications for Risk Assessment and the Conservation of Endangered Pacific Salmon. *Environ Health Perspect* 117:348-353

Landsberg J (2002) The effects of harmful algal blooms on aquatic organisms. *Rev Fisheries Sci* 10:113-390

Laufer H, Pan X, Biggers WJ, Capulong CP, Stuart JD, Demir N, Koehn U (2005) Lessons learned from inshore and deep sea lobsters concerning alkylphenols. *Invert Reprod Develop* 48:109-117

LeBlanc GA (2007) Crustacean endocrine toxicology: a review. *Ecotoxicol* 16:61-81

Lee Long WJ, Coles RG, McKenzie LJ (2000). Issues for seagrass conservation management in Queensland. *Pacific Conservation Biology* 5: 321-328.

Lessios (1988). Mass mortality of *Diadema antillarum* in the Caribbean: what have we learned? *Ann. Rev. Ecol. Syst.* 19: 371-393.

Lewis et al. (2009a). Pesticide residues in the Great Barrier Reef. *Pesticides News* 86 (Dec 2009): 8-11

Lewis SE and 9 other co-authors (2009b). Herbicides. A new threat to the Great Barrier Reef. *Environmental Pollution* 157: 2470-2484.

Lima SL (2002) Putting predators back into behavioral predator-prey interactions. *Trends Ecol Evol* 17:70-75

Loesch H (1960) Sporadic mass shoreward migrations of demersal fish and crustaceans in Mobile Bay, Alabama. *Ecol* 41:292-298

Long WC, Seitz RD (2009) Hypoxia in Chesapeake Bay tributaries: Worsening effects on macrobenthic community structure in the York River. *Estuar Coasts* 32:287-297

- Lynham CP et al. (2006). Jellyfish overtake fish in a heavily fished ecosystem. *Current Biology* 16: R492.
- Macintosh A, Bonyhady T, Smith A (2009). Commonwealth Marine Protected Areas Displaced Activities Analysis. Australian Centre for Environmental Law, Australian National University. 66 p. <http://www.environment.gov.au/coasts/mbp/publications/pubs/mpa-dap-analysis.pdf>
- McCook LJ et al. (2010). Adaptive management of the Great Barrier Reef: A globally significant demonstration of the benefits of networks of marine reserves. PNAS doi/10.1073/pnas.0909335107
- Magnusson M, Heimann K, Quayle P, Negri AP (2010) Additive toxicity of herbicide mixtures and comparative sensitivity of tropical benthic microalgae. *Mar Poll Bull* 60:1978-1987.
- Mapstone, B.D., Campbell, R.A., Smith, A.D.M., 1996. Design of experimental investigations of the effects of line and spear fishing on the Great Barrier Reef. CRC Reef Research Centre Technical Report No. 7, Townsville, Australia.
- Mapstone, B.D., Davies, C.R., Little, L.R., Punt, A.E., Smith, A.D.M., Pantus, F., Lou, D.C., Williams, A.J., Jones, A., Russ, G.R., MacDonald, A.D., 2004. The effects of line fishing on the Great Barrier Reef and evaluation of alternative potential management strategies. CRC Reef Research Centre Technical Report no. 52. CRC Reef Research Centre, Townsville, Australia.
- Mapstone, B.D., Davies, C.R., Slade, S., Jones, A., Kane, K.J., Williams, A.J., 2001. Effects of live fish trading and targeting spawning aggregations on fleet dynamics, catch characteristics and resource exploitation by the Queensland commercial demersal reef line fishery. Fisheries Research and Development Corporation Project no. 96/138. CRC Reef Research Centre, Townsville, Australia.
- Marín, Y.H., Brum, F., Barea, L.C., Chocca, J.F., 1998. Incidental catch associated with swordfish longline fisheries in the south-west Atlantic Ocean. *Mar. Freshw. Res.* 49, 633–639.
- Marriott RJ, Adams DJ, Jarvis ND, Moran MJ, Newman SJ, Craine M (2010). Age based demographic assessment of fished stocks of *Lethrinus nebulosus* in the Gascoyne Bioregion of Western Australia. *Fisheries Management and Ecology* no. doi: 10.1111/j.1365-2400.2010.00754.x
- Mauney M, Harp GL (1979) The effects of channelization on fish populations of the Cache River and Bayou DeView. *Arkansas Acad Sci Proc* 33:51-54
- May E (1973) Extensive oxygen depletion in Mobile Bay, Alabama. *Limnol Oceanogr* 18:353-366
- McAuley, R.B., Simpfendorfer, C.A., Hall, N.G., 2007. Methods for evaluating the impacts of fishing mortality and stochastic influences on the demography of two long-lived shark stocks. *ICES J. Mar. Sci.* 64, 1710–1722.

- McCann KS, Hastings A, Strong DR (1998) Trophic cascades and trophic trickles in pelagic food webs. *Proc Roy Soc Lond B* 265:205-209
- McCulloch M, Fallon S, Wyndham T, Hendy E, Leugh J, Barnes D (2003). Coral record of increased sediment flux to the inner Great Barrier Reef since European settlement. *Nature* 421: 727- 730.
- McClanahan TR et al. (2006). A Comparison of Marine Protected Areas and Alternative Approaches to Coral-Reef Management. *Current Biology* 16: 1408–1413
- McClanahan TR (2010). Effects of Fisheries Closures and Gear Restrictions on Fishing Income in a Kenyan Coral Reef. *Conservation Biology* DOI 10.1111/j.1523-1739.2010.01530.x
- McMahon K, Nash SB, Eaglesham G, Muller JF, Cuke NC, Winderlich S (2005) Herbicide contamination and the potential impact to seagrass meadows in Hervey Bay, Queensland, Australia. *Mar Poll Bull* 51:325-334
- Meyer CG, Holland KN, Papastamatiou YP (2007). Seasonal and diel movements of giant trevally *Caranx ignobilis* at remote Hawaiian atolls, implications for the design of marine protected areas. *Mar. Ecol. Prog. Ser.* 333: 13-25.
- Meyers JP, Zoeller RT, Saal FS (2009) A clash of old and new scientific concepts in toxicity, with important implications for public health. *Environ Health Perspect* 117:1652-1655
- Montgomery M, Needleman M (1997) Welfare effects of toxic contamination in freshwater fish. *Land Econ* 77:211-223
- Mumby et al. (2006). Fishing, trophic cascades, and the process of grazing on coral reefs. *Science* 311: 98–101
- Mumby, P.J. and Harborne, A.R. (2010). Marine reserves enhance the recovery of corals on Caribbean reefs. *PLoS ONE* 5(1): e8657
- Muoneke MI, Childress WM (1994) Hooking mortality: a review for recreational fisheries. *Rev Fisheries Sci* 2:123–156
- Murawski S.A., Brown R, Lai H.L., Rago P.J., & Hendrickson L (2000). Large-scale closed areas as a fishery-management tool in temperate marine systems: the Georges Bank experience', *Bulletin of Marine Science* 66, pp775–798
- Murchie KJ, Hair KPE, Pullen CE, Redpath TD, Stephens HR, Cooke SJ (2008) Fish response to modified flow regimes in regulated rivers: Research methods, effects and opportunities. *River Res Applic* 24:197-217

- Murray AG, O'Callaghan M, Jones B (2003) A model of spatially evolving herpesvirus epidemics causing mass mortality in Australian pilchard *Sardinops sagax*. *Dis Aquat Org* 54:1-14.
- Myers RA, Worm B (2003). Rapid worldwide depletion of predatory fish communities. *Nature* 423: 280-283.
- Myers MR, Ambrose RF (2009). Differences in benthic cover inside and outside marine protected areas on the Great Barrier Reef: influence of protection or disturbance history? *Aquatic Conserv: Mar. Freshw. Ecosyst.* 19: 736–747
- Nakamura H (1969). *Tuna: distribution & migration*. Fishing News (Books) Ltd., London.
- Nakamura I (1985). FAO Species catalogue: Vol. 5 *Billfishes of the world, an annotated and illustrated catalogue of marlins, sailfishes and swordfishes known to date*. *FAO Fish Synop* 5: 62.
- Newell RIE (2004) Ecosystem influences of natural and cultivated populations of suspension feeding bivalve molluscs: a review. *J Shellfish Res* 23:51-61
- O'Donnell et al. (2010). Ocean acidification alters skeletogenesis and gene expression in larval sea urchins. *Marine Ecology Progress Series* 398: 157-171.
- Ogburn D, White I, McPhee D (2007). The disappearance of oyster reefs from eastern Australian estuaries – impacts of colonial settlement or mudworm invasion ? *Coastal Management* 35: 271-287.
- OIE (2010) Aquatic Animal Health Code (2010) Office International des Epizooties, Paris. http://www.oie.int/eng/normes/fcode/A_summry.htm
Accessed 12th December 2010
- Olenin S, Minchin D, Daunys D (2007) Assessment of biopollution in aquatic ecosystems. *Mar Poll Bull* 55 :379-394
- Overstreet RM (1988) Aquatic Pollution problems, Southeastern U.S. coasts : histopathological indicators. *Aquat Toxicol* 11:213-239
- Oxley WG, Alying AM, Cheal AJ, Thompson AA (2003). *Marine Surveys undertaken in the Coringa-Herald National Nature Reserve, March – April 2003*. AIMS report produced by CRC Reef for Environment Australia. Townsville 2003
- Oxley WG, Emslie M, Muir P, Thompson AA (2004). *Marine Surveys undertaken in the Lihou Reef National Nature Reserve, March 2004*. AIMS report produced by The Department of Environment and Heritage. Townsville 2004.

- Page CA and 9 other authors (2009). Influence of marine reserves on coral disease prevalence. *Diseases of Aquatic Organisms* 87: 135-150.
- Palma P, Palma VL, Fernandes RM, Bohn A, Soares AMVM, Barbosa IR (2009) Embryo-toxic effects of environmental concentrations of chlorpyrifos on the crustacean *Daphnia magna*. *Ecotox Environ Safety* 72:1714-1718
- Papastamatiou, Y.P., Wetherbee, B.M., Lowe, C.G., Crow, G.L., 2006. Distribution and diet of four species of carcharhinid shark in the Hawaiian Islands: evidence for resource partitioning and competitive exclusion. *Mar. Ecol. Prog. Ser.* 320, 239–251.
- Partridge GJ, Michael RJ (2010) Direct and indirect effects of simulated calcareous dredge material on eggs and larvae of pink snapper *Pagrus auratus*. *J Fish Biol* 77:227-240
- Pauly D., V, Christensen, S. Guenette, T. Pitcher, R. Sumaila, C. Walters, R. Watson & D. Zeller (2002). 'Towards sustainability in world fisheries', *Nature* 418: 689-695.
- Page et al. (2009). Influence of marine reserves on coral disease prevalence. *Diseases of Aquatic Organisms* 87: 135-150.
- Pena MA, Katsev S, Oguz T, Gilbert D (2010) Modeling dissolved oxygen dynamics and hypoxia. *Biogeosci* 7:933-957
- Penn, JW, Fletcher WJ (2010). The efficacy of sanctuary areas for the management of fish stocks and biodiversity in WA waters. Fisheries Research Report No. 169. Department of Fisheries, Western Australia. 48 p.
- Peters R, Raftos DA (2003) The role of phenoloxidase suppression in QX disease outbreaks among Sydney rock oysters (*Saccostrea glomerata*). *Aquacult* 223:29-39
- Pew Charitable Trust (2008). An Australian Coral Sea Heritage Park. Zethoven I (ed). 20 p.
- Pihl L, Baden SP, Diaz RJ (1991) Effects of periodic hypoxia on distribution of demersal fish and crustaceans. *Mar Biol* 108:349-360
- Pike, D. A., Webb, J. K. and Shine, R. (2011), Chainsawing for conservation: Ecologically informed tree removal for habitat management. *Ecological Management & Restoration*, 12: no. doi: 10.1111/j.1442-8903.2011.00582
- Pikitch, E.K., Chapman, D.D., Babcock, E.A., Shivji, M.S., 2005. Habitat use and demographic population structure of elasmobranchs at a Caribbean atoll (Glover's Reef, Belize). *Mar. Ecol. Prog. Ser.* 302, 187–197.

- Pillans S, Ortiz JC, Pillans RD, Possingham HP (2007). Impact of marine reserves on nekton diversity and community composition in subtropical eastern Australia. *Biological Conservation* 136: 455-469.
- Pillans S, Pillans RD, Johnstone RW, Kraft PG, Haywood MDE, Possingham HP (2005). Effects of marine reserve protection on the mud crab *Scylla serrata* in a sex biased fishery in sub tropical Australia. *Marine Ecology Progress Series* 295: 201-213.
- Pitcher A. J. (2001). 'Fisheries managed to rebuild ecosystems? Reconstructing the past to salvage the future', *Ecological Applications* 11: 601-617.
- Pitcher TJ (ed.) (1993). *The Behaviour of Teleost Fishes*. 2nd edition. Fish and Fisheries Series Vol. 7, Chapman and Hall, London.
- Pitcher TJ, Hart PJ (1982). *Fisheries Ecology*. Chapman and Hall, London, UK. Reprinted 15 times as a paperback from 1983 to 2001.
- Pitcher TJ, Kalikoski D, Pramod G, Short K (2009). Not Honouring the code. *Nature* 457: 658-659.
- Pittman SJ, Pittman KM (2005). Short term consequences of a benthic cyanobacterial bloom (*Lyngbya majuscula*) for fish and penaeid prawns in Moreton Bay. *Estuarine, Coastal and Shelf Science* 63: 619-632.
- Poff NL, Allan JD, Bain MB, Karr JR, Prestegard KL, Richter BD, Sparks RE, Stromberg JC (1997) The natural flow regime. *Biosci* 47:769-784
- Poff NL, Zimmerman JKH (2010) Ecological responses to altered flow regimes: a literature review to inform the science and management of environmental flows. *FW Biol* 55:194-205
- Polacheck (2006). Tuna longline catch rates in the Indian Ocean: Did industrial fishing result in a 90% rapid decline in the abundance of large predatory species? *Marine Policy* 30: 470-482.
- Policansky D (2002) Catch-and-release recreational fishing: a historical perspective. In: Pitcher TJ, Hollingworth CE (Eds.). *Recreational Fisheries: Ecological, Economic and Social Evaluation*. Blackwell Science, Oxford, pp 74-94
- Popper AN (2003) The effects of anthropogenic sounds on fishes. *Fisheries* 28:24-31
- Popper AN, Hastings MC (2009) The effects of anthropogenic sources of sound on fishes. *J Fish Biol* 75:455-489

Possingham H, Ward T, Stewart R, Segan D, Kircher L (2009). Wild Australia Program – South West Australia Science Project. PEW Log No: 2006-000202. Report prepared for PEW Environment Group, 21 October 2009, Uniquist Project No: 15621. 146 p.

Preen AR, Long WJL, Coles RG (1995) Flood and cyclone related loss, and partial recovery of more than 1000 km² of seagrass in Hervey Bay, Queensland, Australia. *Aquat Bot* 52:3–17

Quinnell S, Hulsman K, Davie PJ (2004). Protein model for pollutant uptake and elimination by living organisms and its implication for ecotoxicology. *Marine Ecology Progress Series* 274: 1-16.

Raymundo LJ et al. (2009). Functionally diverse reef-fish communities ameliorate coral disease. *PNAS* 106: 17067–17070.

Randall, J. E., G. R. Allen, and R. C. Steene. (1997). *Fishes of the Great Barrier Reef and Coral Sea*, 557 p. Crawford House, Bathurst, New South Wales, Australia.

Reefish Australia (2008) A National Code of Practice for Recreational and Sportfishing. An initiative of Reefish Australia.

Reyes GC, Viana MT, Marquez-Rocha FJ, Licea AF, Ponce E, Vazquez-Duhalt R (2007) Nonylphenol algal bioaccumulation and its effect through the trophic chain. *Chemosphere* 68:662-670

Robbins, W.D., Hisano, M., Connolly, S.R., Choat, J.H., 2006. Ongoing collapse of coral reef shark populations. *Curr. Biol.* 16, 2314–2319.

Roberts C. P., J. Bohnsack, F. Gell, J. Hawkins & R. Goodridge (2001). 'Effects of marine reserves on adjacent fisheries', *Science* 294: 1920-1923.

Rochette S, Rivot E, Morin J, Mackinson S, Riou P, LePape O (2010). Effect of nursery habitat degradation on flatfish population: Application to *Solea solea* in the Eastern Channel (Western Europe). *Journal of Sea Research* 64: 34-44.

Roscoe DW, Hinch SG (2010) Effectiveness monitoring of fish passage facilities: historical trends, geographic patterns and future directions. *Fish Fisheries* 11:12-33

Rosenberg DM, Berkes F, Bodaly RA, Hecky RE, Kelly CA, Rudd JWM (1997) Large-scale impacts of hydroelectric development. *Environ Rev* 5:27-54

Ruello N (2011). Some Observations on the AMCS Sustainable Seafoods Guide. <http://www.australianropicalfoods.com/wp-content/uploads/amcs-observns-26feb.pdf>

- Salmon and Trout Association (2008) Briefing paper. The effect of endocrine disruptors of fish. http://www.salmon-trout.org/issues_EDC.asp Accessed 12th December 2010.
- Sarria MP, Santos MM, Reis-Hendriques MA, Vieira NM, Monteiro NM (2011). The unpredictable effects of mixtures of androgenic and estrogenic chemicals on fish early life. *Environment International* 37:418-424
- Sawynok W, Diggles B, Harrison J (2008) Development of a national environmental management and accreditation system for business/public recreational fishing competitions. Report published by Recfish Australia, March 2008, for FRDC project no. 2006/057.
- Scales H, Balmford A, Manica A (2007) Impacts of the live reef fish trade on populations of coral reef fish off northern Borneo. *Proc Roy Soc B. Biol Sci* 274:989-994
- Schein A, Scott JA, Mos L, Hodson PV (2009) Oil dispersion increases the apparent bioavailability and toxicology of diesel to rainbow trout (*Oncorhynchus mykiss*). *Environ Toxicol Chem* 28:595-602
- Schilt, CR (2007) Developing fish passage and protection at hydropower dams. *Appl Anim Behav* 104:295-325
- Schulte DM, Burke RP, Lipicus RN (2009). Unprecedented restoration of a native oyster metapopulation. *Science* 325: 1124-1128.
- Scott GR, Sloman KA (2004) The effects of environmental pollutants on complex fish behaviour: integrating behavioural and physiological indicators of toxicity. *Aquat Toxicol* 68:369-392
- Seaweb.org (2003). Cover Study of *Nature* Provides Startling New Evidence that Only 10% of All Large Fish are Left in Global Ocean. Wednesday May 14th, 2003.
- Seaweb.org (2005). Scientists discover global pattern of big fish diversity in open oceans. Thursday July 28th, 2005.
- Seaweb.org (2009). SeaWeb, leading voices for a healthy ocean. Annual Report 2009. 15 pgs. <http://seaweb.org/aboutus/annualreport.php>
- Semeniuk et al. (2009). Hematological differences between stingrays at tourist and non-visited sites suggest physiological costs of wildlife tourism. Seppala O, Karvonen A, Tellervo Valtonen E (2004) Parasite-induced change in host behaviour and susceptibility to predation in an eye fluke-fish interaction. *Anim Behav* 68:257-263
- Seppala O, Karvonen A, Tellervo Valtonen E (2008) Schooling behaviour of fish under parasitism and predation risk. *Anim Behav* 75:145-150

- Shanks A. L., B. A. Grantham & M. Carr (2003). 'Propagule dispersal distance and the size and spacing of marine reserves', *Ecological Applications* 13(1) Supplement, s159-s169.
- Shears NT, Babcock RT (2002). Marine reserves demonstrate top-down control of community structure on temperate reefs. *Oecologia* 132:131–142
- Shomura, Richard S. 1987. Hawai'i's marine fishery resources: yesterday (1900) and today (1986), SWFSC Admin Rep., Honolulu H-87-21.
- Sibert J, Hampton J, Kleiber P, Maunder M (2006). Biomass, Size, and Trophic Status of Top Predators in the Pacific Ocean. *Science* 314: 1773-1776.
- Simpfendorfer, C.A., 1992. The biology of tiger sharks (*Galeocerdo cuvier*) caught by the Queensland Shark Meshing Program off Townsville, Australia. *Aust. J. Mar. Freshw. Res.* 43, 33–43.
- Simpfendorfer, C.A., Hueter, R.E., Bergman, U., Connett, S.M.H., 2002. Results of a fishery-independent survey for pelagic sharks in the western North Atlantic, 1977–1994. *Fish. Res.* 55, 175–192.
- Sindermann CJ (1996) *Ocean Pollution. Effects on living resources and humans.* CRC Press. 275 pgs.
- Skomal GB, Chase BC (2002) The physiological effects of angling on post-release survivorship in tunas, sharks and marlin. *Am Fish Soc Symp* 30:135-138
- Slabbekoorn H, Bouton N, Opzeeland I, Coers A, Cate C, Popper AN (2010) A noisy spring: the impact of globally rising underwater sound levels on fish. *Trends Ecol Evol* 25:419-427
- Snieszko SF (1974) The effects of environmental stress on outbreaks of infectious diseases of fishes. *J Fish Biol* 6:197-208
- Speare P et al. (2004). *Deeper Water Fish and Benthic Surveys in the Lord Howe Island Marine Park (Commonwealth Waters): February 2004.* Produced for Department of the Environment and Heritage with National Heritage Trust funding. AIMS, Townsville. 2004. 30 pgs.
- Speare P, Cappo M, Rees M, Brownlie J, Oxley W (2004). *Deeper Water Fish and Benthic Surveys in the Lord Howe Island Marine Park (Commonwealth Waters): February 2004.* Produced for Department of the Environment and Heritage with National Heritage Trust funding. AIMS, Townsville. 2004. 30 pgs.
- Stanley DW, Nixon SW (1992) Stratification and bottom water hypoxia in the Pamlico River estuary. *Estuar* 15:270-281

- Stevens, J.D., 1984. Life-history and ecology of sharks at Aldabra Atoll, Indian Ocean. *Proc. R. Soc. Lond. B* 222, 79–106.
- Stevens, J.D., 1992. Blue and mako shark by-catch in the Japanese longline fishery off south-eastern Australia. *Aust. J. Mar. Freshw. Res.* 43, 227–236.
- Stevens, J.D., Bonfil, R., Dulvy, N.K., Walker, P.A., 2000. The effects of fishing on sharks, rays and chimaeras (chondrichthyans), and the implications for marine ecosystems. *ICES J. Mar. Sci.* 57, 476–494.
- Stevenson, C., Katz, L.S., Micheli, F., Block, B., Heiman, K.W., Perle, C., Weng, K., Dunbar, R., Witting, J., 2007. High apex predator biomass on remote Pacific islands. *Coral Reefs* 26, 47–51.
- Stige LC (2011). Environmental toxicology: Population modeling of cod larvae shows high sensitivity to loss of zooplankton prey. *Marine Pollution Bulletin* 62: 395–398.
- Stobutzki, I.C., Miller, M.J., Heales, D.S., Brewer, D.T., 2002. Sustainability of elasmobranchs caught as bycatch in a tropical prawn (shrimp) fishery. *Fish. Bull.* 100, 800–821.
- Sutherland et al. (2010). Human sewage identified as likely source of white pox disease of the threatened Caribbean elkhorn coral, *Acropora palmata*. *Environmental Microbiology* 12: 1122–1131.
- Sutton SG, and Tobin RC (2009). Recreational fishers' attitudes towards the 2004 rezoning of the Great Barrier Reef Marine Park. *Environmental Conservation* doi:10.1017/S0376892909990270
- Sweatman H (2008) No-take reserves protect coral reefs from predatory starfish. *Curr Biol* 18:R598–R599.
- The Ecology Centre (2009). Scientific Principles for Design of Marine Protected Areas in Australia: A Guidance Statement. 29 p.
- Thorne, RE, Thomas GL (2008). Herring and the "Exxon Valdez" oil spill: an investigation into historical data conflicts. *ICES Journal of Marine Science* 65: 44–50.
- Tillitt DE, Papoulias DM, Whyte JJ, Richter CA (2010) Atrazine reduced reproduction in fathead minnow (*Pimephales promelas*). *Aquat Toxicol* 99:149-159
- UNEP United Nations Environment Programme (2004) Decisions adopted by the Conference of the Parties to the Convention on Biological Diversity at its seventh meeting, Secretariat of the Convention on Biological Diversity.

UNEP United Nations Environment Programme (2005) Recommendations adopted by the Subsidiary Body on Scientific Technical and Technological Advice (SBSTTA) at its tenth meeting, Secretariat for the Convention on Biological Diversity.

US Embassy (2009). Her Majesty's Government floats proposal for marine reserve covering the Chagos Archipelago (British Indian Ocean Territory). Friday, 15 May 2009, 07:00. REF: 08 LONDON 2667 (NOTAL)

Valdermarsen JW (2001) Technological trends in capture fisheries. *Ocean Coast Man* 44:635-651

van Herwerden L, Almojil D, Choat JH (2008). *Population genetic structure of Australian Galapagos reef sharks Carcharhinus galapagensis at Elizabeth and Middleton Reefs Marine National Nature Reserve and Lord Howe Island Marine Park*. Final Report to the Department of Environment, Water, Heritage and the Arts . 45 pgs.

van Herwerden L, Klanten OS, Choat JH, Jerry DR, Robbins WD (2009). *Connectivity of black cod Epinephelus daemeli between Elizabeth and Middleton Reefs (as measured by population genetic structure based on microsatellites)*. Final Report to the Department of Environment, Water, Heritage and the Arts . 14 pgs.

Victorian Auditor General (2011). Environmental Management of Marine Protected Areas. Victorian Auditor Generals Report , March 2011. PP No 13, Session 2010-11. 30 p.

Vijayavel K, Balasubramanian MP (2008). Reproductive dysfunction induced by naphthalene in an estuarine crab *Scylla serrata* with reference to vitellogenesis. *Ecotoxicology and Environmental Safety* 69: 89-94.

Walker, T.I., 1998. Can shark resources be harvested sustainably? A question revisited with a review of shark fisheries. *Mar. Freshw. Res.* 49, 553–572.

Walsh, W.A., Kleiber, P., McCracken, M., 2002. Comparison of logbook reports of incidental blue shark catch rates by Hawaii-based longline vessels to fishery observer data by application of a generalized additive model. *Fish. Res.* 58, 79–94.

Walters CJ (2003). Folly and fantasy in the analysis of spatial catch rate data. *Canadian Journal of Fisheries and Aquatic Science* 60: 1433-1436.

Ward JR, Lafferty KR (2004) The elusive baseline of marine disease: Are diseases in ocean ecosystems increasing ? *PLOS Biol* 2:542-547

Ward P, Meyers RA (2005). Shifts in open ocean communities coinciding with the commencement of commercial fishing. *Ecology* 86: 835-847..

- Ward T. J., D. Heinemann & N. Evans (2001) . *The Role of Marine Reserves as Fisheries Management Tools: A Review of Concepts, Evidence and International Experience*. Bureau of Rural Sciences; Canberra, Australia.
- Watson R. & D. Pauly (2001). 'Systematic distortions in world fisheries catch trends', *Nature* 424: 534-536.
- Welch, D.J., Mapstone, B.D., Begg, G.A., 2008. Spatial and temporal variation and effects of changes in management in discard rates from the commercial reef line fishery of the Great Barrier Reef, Australia. *Fish. Res.* 90, 247–260.
- Wells RMG (2009) Chapter 6. Blood-Gas Transport And Hemoglobin Function: Adaptations For Functional And Environmental Hypoxia. *Fish Physiol* 27:255-299
- Western D (2001) Human-modified ecosystems and future evolution. *Proc Nat Acad Sci* 98:5458-5465
- Western Pacific Regional Fishery Management Council (2010a). Customary Exchange Maintains Cultural Continuity. *Pacific Island Fishery News* Summer 2010: 1-2.
- Western Pacific Regional Fishery Management Council (2010b). Council agrees on fishing measures for new marine monuments. *Pacific Island Fishery News* Summer 2010: 12.
- Wetherbee BM, Holland KN, Meyer CG, Lowe CG (2004). Use of a marine reserve in Kaneohe Bay, Hawaii by the giant trevally, *Caranx ignobilis* *Fisheries Research* 67: 253-263.
- Wetherbee, B.M., Crow, G.L., Lowe, C.G., 1997. Distribution, reproduction and diet of the gray reef shark *Carcharhinus amblyrhynchos* in Hawaii. *Mar. Ecol. Prog. Ser.* 151, 181–189.
- Whittington RJ, Crockford M, Jordan D, Jones B (2008) Herpesvirus that caused epizootic mortality in 1995 and 1998 in pilchard , *Sardinops sagax neopilchardus* (Steindachner) , in Australia, is now endemic. *J Fish Dis* 31:97-105
- Whittington RJ, Jones JB, Hine PM, Hyatt AD (1997) Epizootic mortality in the pilchard *Sardinops sagax neopilchardus* in Australia and New Zealand in 1995. 1. Pathology and epizootiology. *Dis Aquat Org* 28:1–16
- Wilkinson CR (1999). Global and local threats to coral reef functioning and existence: review and predictions. *Marine and Freshwater Research* 50: 867-878.
- Wilga CD, Motta PJ, Sanford CP (2007) Evolution and ecology of feeding in elasmobranchs. *Interg Comp Biol* 47:55-69

Williams LE (ed) (2002). *Queensland's Fisheries Resources: Current Condition and Recent Trends 1988 – 2000*. Queensland Department of Primary Industries, Brisbane.

Wilson KW (1977) Acute toxicity of oil dispersants to marine fish larvae. *Mar Biol* 40:65-74

World Commission on Protected Areas (2000). Application of ICUN protected area management categories. Draft Australian Handbook. WCPA Australian and New Zealand Region. March 2000. 77 p.

Worm B, and 20 other co-authors (2009). Rebuilding global fisheries. *Science* 325: 578-585.

Worm B, Dandow M, Oschlies A, Lotze HK, Myers RA (2005). Global patterns of predator diversity in the open oceans. *Science* 309: 1365 - 1369.

Yodzis P (1994) Predator-prey theory and management of multispecies fisheries. *Ecol Appl* 4:51-58