

REFERENCES

- ABS (1977-1981). Australian Bureau of Statistics, Queensland Office. Fisheries Statistics, Queensland (1974-75, 1975-76, 1976-77, 1977-78, 1978-79, 1979-80, 1980-81). Statistics House, 345 Ann Street, Brisbane, Queensland, 4000.
- Alcala, A.C. and G.P. Russ (1990). A direct test of the effects of protective management on abundance and yield of tropical marine resources. *J. Cons. int. Explor. Mer* 46: 40-47.
- Aldonov, V.K. and A.D. Druzhinin (1979). Some data on scavengers (family Lethrinidae) from the Gulf of Aden region. *J. Ichthyology* 18: 527-535.
- Allen, G.R. (1975). Damselfishes of the South Seas. T.F.H. Publications.
- Allen, G.R. (1985). FAO Species Catalogue. Vol. 6. Snappers of the world. An annotated and illustrated catalogue of lutjanid fishes known to date. *FAO Fish Synop.*, No. 125, Vol. 6, Rome, FAO, 208 pp.
- Allen, G.R. and F.H. Talbot (1985). Review of the snappers of the genus *Lutjanus* (Pisces: Lutjanidae) from the Indo-Pacific, with the description of a new species. *Indo-Pacific Fish.* 11: 1-87.
- Allen, G.R. and R. Swainston (1988). *The marine fishes of North-western Australia. A field guide for anglers and divers*. Western Australian Museum, 201 pp.
- Ambak, M.A., A.K.M. Mohsin and M.Z.M. Said (1985). Growth characteristics of Lutjanidae off the east coast of peninsular Malaysia. In: A.K.M. Mohsin, M.I.H. Mohamed and M.A. Ambak (eds). A study on the offshore waters of the Malaysian EEZ, pp. 165-174. Faculty of Fisheries and Marine Science, University Pertanian Malaysia Occasional Publications, No. 3.
- Anon (1975). Preliminary study on the biology of *Lutjanus johnii*. SEAFDEC Marine Fisheries Research Dept. Ann. Rep. 1975: 40-45.
- Ayling, A.M. and A.L. Ayling (1983a). Distribution and abundance of coral trout species (*Plectropomus* spp.) in the Cairns section of the Great Barrier Reef Marine Park. Unpublished report to GBRMPA.
- Ayling, A.M. and A.L. Ayling (1983b). Distribution and abundance of coral trout species (*Plectropomus* spp.) in the Townsville and Whitsunday areas of the Great Barrier Reef Marine Park. Unpublished report to GBRMPA.
- Ayling, A.M. and A.L. Ayling (1984a). Distribution and abundance of coral trout species (*Plectropomus* spp.) in the Swain group of reefs. Unpublished report to GBRMPA.
- Ayling, A.M. and A.L. Ayling (1984b). A biological survey of selected reefs in the Far North section of the Great Barrier Reef Marine Park Authority. Unpublished report to GBRMPA.
- Ayling, A.M. and A.L. Ayling (1985). A biological survey of selected reefs in the Central section of the Great Barrier Reef Marine Park. Unpublished report to GBRMPA.

- Ayling, A.M. and A.L. Ayling (1986). A biological survey of selected reefs in the Capricorn section of the Great Barrier Reef Marine Park. Unpublished report to GBRMPA.
- Ayling, A.M. and B.P. Mapstone (1991). Unpublished data collected for GBRMPA from a biological survey of reefs in the Cairns section of the Great Barrier Reef Marine Park.
- Badder, M.K. (1987). A preliminary study of the population dynamics of a sheiry, the starry pigface bream, *Lethrinus nebulosus*. *Kuwait Bull. Mar. Sci* 9: 215-220.
- Bandaranaike, S. and J. Hampton (1979). Commercial fisheries of the north Queensland region. In: An account of the previous knowledge and use of the Great Barrier Reef from Lizard Island to Bowen. Report to GBRMPA and the GBRMPA Committee, pp. 75-86.
- Bannerot, S., W.W. Fox Jr. and J.E. Powers (1987). Reproductive strategies and the management of snappers and groupers in the Gulf of Mexico and the Caribbean. In: J.J. Polovina and S. Ralston (eds). *Tropical snappers and groupers. Biology and fisheries management*. Westview Press, Boulder, Colorado, USA, pp. 561-603.
- Beinssen, K. (1989a). Results of the Boulton Reef replenishment area study. Unpublished report to GBRMPA.
- Beinssen, K. (1989b). Heron Reef demersal reef fish movement study interim report. Unpublished report to GBRMPA.
- Beverton, R.J.H. and S.J. Holt (1957). On the dynamics of exploited fish populations. *Fish. Invest. Land.*, Ser. 2, 19, 533 pp.
- Blamey, R.K. and T.J. Hundloe (1991). Characteristics of recreational boat fishing in the Great Barrier Reef region. Unpublished report to GBRMPA.
- Brothers, E.B., D. McB. Williams and P.F. Sale (1983). Length of larval life in twelve families of reef fish at One Tree lagoon, Great Barrier Reef, Australia. *Mar. Biol.* 76: 319-324.
- Brouard, F. and Grandperrin, R. (1985). Deep water fishes of the outer slope in Vanuatu. Working Paper 12, South Pacific Commission 17th Regional Teach. Meeting on Fisheries. (Noumea/New Caledonia), 127 pp.
- Caillort, B., M. Franc de ferriere and E. Morize (1986). Croissance de deux especes de poisson de deux especes de poisson du lagon de Tikehau, *Lethrinus miniatus* (Schreider) et *Lutjanus fulvus* (Schreider) evaluee par la lecture des otolithes. *Notes Doc. Oceanogr. Cent. Tahiti*, ORSTOM 30: 1-44.
- Carpenter, K.E. and G.R. Allen (1989). FAO species catalogue Vol. 9. Emperor fishes and large-eye breams of the world (family Lethrinidae). An annotated and illustrated catalogue of lethrinid species known to date. *FAO Fisheries Synopsis*, No. 125, Vol. 9, Rome, FAO, 118 pp.
- Castelnau, F. (1875). Researches on the fishes of Australia. *Intercolonial Exhibition Essays 1975-6: Colony of Victoria*, No. 2: 3-52.
- Chen, C.Y., S.Y. Yeh and H.C. Liu (1984). Age and growth of *Lutjanus malabaricus* in the north-western shelf off Australia. *Acta Oceanogr. Taiwanica* 15: 154-164.

- Church, A. (1989). Reproduction, age and growth of *Lethrinus chrysostomus*, Norfolk Island. Ph.D thesis. University of New South Wales, Australia.
- Craik, G.J.S. (1979a). Survey identifies trends in reef fish catches. *Aust. Fisheries*, Dec. 1979: 29-32.
- Craik, G.J.S. (1979b). Amateurs fishing on the Great Barrier Reef. Technical Memorandum GBRMPA-TM-4, 19 pp.
- Craik, G.J.S. (1981a). Recreational fishing on the Great Barrier Reef. *Proc. 4th Int. Coral Reef Symp.* 1: 47-52.
- Craik, G.J.S. (1981b). Recreational fishing on the Great Barrier Reef: Research Findings. Paper presented to 'Managing Queensland Fisheries Conference', 1981.
- Craik, G.J.S. (1981c). Underwater survey of coral trout, *Plectropomus leopardus*, (Serranidae) populations in the Capricornia section of the Great Barrier Reef Marine Park. *Proc. 4th Int. Coral Reef Symp.* 1: 53-58.
- Craik, G.J.S. (1986). Recreational fishing on the Great Barrier Reef: Research Findings. In: T.J. Hundloe (ed.) *Fisheries Management: Theory and Practice in Queensland*. Griffith University Press, pp. 178-188.
- Craik, G.J.S. (1989a). Management of recreational fishing in the Great Barrier Reef Marine Park. Technical Memorandum GBRMPA-TM-23. 35 pp.
- Craik, G.J.S. (1989b). Reef fish in the Great Barrier Reef region. Summary of research. In: Craik, G.J.S., J. Glaister and I. Poiner, (eds). Effects of fishing in the Great Barrier Reef Region. Proceedings of a workshop held under the auspices of the Advisory Committee on Research on Fishing in the Great Barrier Reef Region. Feb. 19-24, 1989. GBRMPA.
- Craik, G.J.S. and J. Fallows (1981). Survey at boat ramps from Tully to Port Douglas. Technical Memorandum GBRMPA, 37 pp.
- Craik, G.J.S., J. Glaister and I. Poiner (1989). Effects of fishing in the Great Barrier Reef region. Proceedings of a workshop held under the auspices of the Advisory Committee on Research on Fishing in the Great Barrier Reef region. Feb. 19-24, 1989. GBRMPA.
- Dalzell, P., S. Sharma and G. Nath (1989). Estimation of exploitation rates in a multi-species Emperor (Pisces: Lethrinidae) fishery in Fiji, based on length frequency data. *SPC Fisher. Newsl.* 48.
- Dartnall, J.A. (1989). Marine parks and protected areas: a bibliography. Technical Memorandum GBRMPA-TM-18.
- Davies, C.R. (1989). The effectiveness of non-destructive sampling of coral reef fish populations with fish traps. Honours Thesis, Dept. of Marine Biology, James Cook University.
- Dinesen, Z. (1988). Visual surveys of coral trout abundance in the Capricornia section of the Great Barrier Reef Marine Park. Some difficulties associated with monitoring fish populations in a heterogeneous environment. Report prepared by the Queensland National Parks and Wildlife Service.

- Dinesen, Z., M. Dunning and S. Osborne (1985). The status of coral trout *Plectropomus leopardus* populations on Bout Reef and North Reef replenishment area, Capricornia section, Great Barrier Reef Marine Park. Interim results of underwater surveys at selected reefs in the Capricornia section 1984-85. Report prepared by the Queensland National Parks and Wildlife Service.
- Doherty, P.J. (1987). Light-traps: selective but useful devices for quantifying the distributions and abundances of larval fishes. *Bull. Mar. Sci.* 41: 423-431.
- Doherty, P.J. and A.J. Fowler (in press). An empirical test of the recruitment limitation hypothesis. *Science*.
- Doherty, P.J. and D. McB. Williams (1988). The replenishment of populations of coral reef fishes. *Oceanogr. Mar. Biol. Ann. Rev.* 26: 487-551.
- Dredge, M. (1988). By-catch from the central Queensland prawn fisheries, Part I: the prawn fisheries and their by-catch composition in terms of species and community assemblages. Unpublished report to GBRMPA, FRB 88/04.
- Driml, S.M., T.J. Hundloe, P. McGinnity and S. Shaw (1982). Economic characteristics of fishing in the Great Barrier Reef region (excluding the Capricornia Section). Report to GBRMPA, August 1982, 181 pp.
- Druzhinin, A.D. (1970). The range and biology of snapper (family Lutjanidae). *J. Ichthyol.* 10: 715-735.
- Druzhinin, A.D. and N.A. Filatova (1980). Some data on Lutjanidae from the Gulf of Aden Area. *J. Ichthyol.* 20: 8-14.
- Ebisawa, A. (1990). Reproductive biology of *Lethrinus nebulosus* (Pisces: Lethrinidae) around the Okinawan waters. *Nippon Suisan Gakkaishi* 56: 1941-1954.
- Edwards, R.R.C. (1985). Growth rates of Lutjanidae (snappers) in tropical Australian waters. *J. Fish Biol.* 26: 1-4.
- Edwards, R.R.C., A. Bakhader and S. Shaher (1985). Growth, mortality, age composition and fisheries yields of fish from the Gulf of Aden. *J. Fish. Biol.* 27: 13-21.
- Ehrlich, P.R. (1975). The population biology of coral reef fishes. *Ann. Rev. Ecol. Syst.* 6: 211-247.
- Fallows, J. and G.J.S. Craik (1980). Boat ramp survey in Capricornia. Unpublished report to GBRMPA.
- Ferreira, B.P. and G.R. Russ (MS). Age, growth and mortality of the inshore coral trout *Plectropomus maculatus* (Pisces: Serranidae) from the central Great Barrier Reef, Australia. Submitted to *Aust. J. Mar. Freshw. Res.*
- Ferrell, D.J. (1988). The population and reproductive biology of *Pseudochromis queenslandica* at One Tree Island, Great Barrier Reef. M.Sc Thesis, University of Sydney.
- Fourmanoir, P. (1976). Formes post-larvaires et juveniles de poissons cotiers pris enchalut pelagique dans le sudouest Pacifique. *Cah. Pac.* 19:47-88.

- Fowler, A.J. (1990). Validation of annual growth increments in the otoliths of a small coral reef fish. *Mar. Ecol. Prog. Ser.* 64: 25-38.
- Goeden, G.B. (1974). Aspects of the biology and ecology of the Coral trout *Plectropomus leopardus* (Lacepede) (Serranidae) at Heron Island, Great Barrier Reef. Ph.D Thesis, University of Queensland, Australia.
- Goeden, G.B. (1977). Life and loves of the coral trout. *Austr. Fisheries*, August, pp. 16-18.
- Goeden, G.B. (1978). A monograph of the coral trout *Plectropomus leopardus* (Lacepede). *Res. Bull. Fish. Serv.* (Queensland). No. 1, Queensland Fisheries Service, Brisbane, Australia, 42 pp.
- Goeden, G.B. (1979). Is the Great Barrier Reef overfished? *Austr. Fisheries*, September, pp. 18-20.
- Goeden, G.B. (1982). Intensive fishing and a 'keystone' predator species: ingredients for community instability. *Biological Conservation* 22: 273-281.
- Goeden, G.B. (1986). The effects of selectively fishing reef fish stocks along the Great Barrier Reef. In: T.J.A. Hundloe (Ed.). *Fisheries Management: Theory and Practice in Queensland*. Griffith University Press, 246 pp.
- Goeden, G.B. and B. Blackford (1977). A report on selected commercial and recreational fish stocks on Wheeler Reef. Unpublished report to GBRMPA. 13 pp.
- Goodyear, C.P. (1989). Spawning stock biomass per recruit: the biological basis for a fisheries management tool. ICCAT Working Document SCRS/89/82, 10 pp.
- Goodyear, C.P. and P. Phares (1990). Status of red snapper stocks of the Gulf of Mexico. Report for 1990. Contribution: CRD 89/90-05, Coastal Resources Division, Southeast Fisheries Center, Miami Laboratory, USA.
- Grant, E.M. (1975). *Guide to Fishes*. Third edition, Department of Harbours and Marine, Brisbane, Queensland, 640 pp.
- Grant, E.M. (1982). *Guide to Fishes*. Fifth edition, Department of Harbours and Marine, Brisbane, Queensland, 896 pp.
- Grimes, C.B. (1987). Reproductive biology of the Lutjanidae. In: J.J. Polovina and S. Ralston (eds). *Tropical Snappers and Groupers. Biology and Fisheries Management*. Westview Press, Boulder, Colorado, USA, pp. 239-294.
- Gwynne, L. (1990). A review of the reef line fishery and proposed management measures. A discussion paper. Queensland Fish Management Authority, 16 pp.
- Hoese, D.F., J. Bowling, B.C. Russell and J.E. Randall (1981). A preliminary revision of Australian species of coral trout of the genus *Plectropomus*. *Occ. Rep. Austr. Mus.* 2: 1-28.
- Hundloe, T. (1985). Fisheries of the Great Barrier Reef. *GBRMPA Special Publ. Ser.* (2), 158 pp.

- Hundloe, T., R. Newman and L. Wilks (1986). Survey of charter boats: Great Barrier Reef region. Final Report. Unpublished report to GBRMPA (Project 189 and 228).
- Huntsman, G.R., W.R. Nicholson and W.W. Fox (1982). The biological bases for reef fishery management. NORA Tech. Memo NMFS-SEFC-80.
- Huntsman, G.R., C.S. Manooch and C.B. Grimes (1983). Yield per recruit models of some reef fishes of the U.S. South Atlantic Bight. *Fish. Bull.* 81: 679-695.
- Huntsman, G.R. and J.R. Waters (1987). Development of management plans for reef fishes - Gulf of Mexico and U.S. South Atlantic. In: J.J. Polovina and S. Ralston (eds). *Tropical snappers and groupers. Biology and fisheries management*. Westview Press. Boulder, Colorado, USA, pp. 533-560.
- Johannes, R.E. and L. Squire (1988). Aggregations of coral trout and maori wrasse in the Great Barrier Reef Marine Park. Unpublished report to GBRMPA, 10 pp.
- Jones, C.M. and K. Derbyshire (1988). Sampling the demersal fauna from a commercial penaeid prawn fishery off the central Queensland coast. *Mem. Qld. Mus.* 25: 403-415.
- Jones, C.M. and G.B. Goeden (1985). Report to the Great Barrier Reef Marine Park Authority on the incidence of juvenile redfish species in commercial prawn trawl bycatch. Queensland Department of Primary Industries. Mimeo. 8 pp.
- Ju, D.R., S.Y. Yeh and H.C. Liu (1988). Age and growth of *Lutjanus altifrontalis* in the waters off Northwest Australia. *Acta. Oceanogr. Taiwanica* 20: 1-12.
- Kenchington, R.A. (1988). Managing reefs and inter-reefal environments and resources for sustained exploitive, extractive and recreational uses. *Proc. 6th Int. Coral Reef Symp.* 1: 81-87.
- Kuo, C.L. and S.S. Lee (1986). Age and growth of common porgy, *Lethrinus nebulosus* (Forsskal) in shelf waters off northwest Australia. *J. Fish. Soc. Taiwan* 13: 22-31.
- Lu Suifen (1981). Observations on the fish eggs and larvae of black-striped snapper, *Lutjanus vitta* (Quoy et Gaimard). [In Chin., Engl. Abstr.] *Trans. Chin. Ichthyol. Soc.* 1: 49-56.
- Lai, H.L. and H.C. Liu (1974). Age determination and growth of *Lutjanus sanguineus* (C. and V.) in the South China Sea. *J. Fish. Soc. Taiwan* 3: 39-57.
- Lai, H.L. and H.C. Liu (1979). Age and growth of *Lutjanus sanguineus* in the Arafura sea and north west shelf. *Acta Oceanogr. Taiwanica* 10: 164-175.
- Leis, J.M. (1982). Distribution of fish larvae around Lizard Island, Great Barrier Reef: coral reef lagoon as refuge? *Proc. 4th Int. Coral Reef Symp.* 2: 471-478.
- Leis, J.M. (1986). Larval development in four species of Indo-Pacific coral trout *Plectropomus* (Pisces: Serranidae: Epinephelinae) with an analysis of the relationships of the genus. *Bull. Mar. Sci.* 38: 525-552.

- Leis, J. (1987). Review of the early life history of tropical groupers (Serranidae) and snappers (Lutjanidae). In: J.J. Polovina and S. Ralston (eds). *Tropical snappers and groupers. Biology and fisheries management*. Westview Press, Boulder, Colorado, USA, pp. 189-237.
- Leis, J.M. and B. Goldman (1983). Studies on the biology of larval fishes in the Lizard Island area, Northern Great Barrier Reef. In: J.T. Baker et al. (eds). *Proc. of the Inaugural Great Barrier Reef Conference*, Townsville, Australia, pp. 221-225.
- Leis, J.M. and B. Goldman (1984). A preliminary distributional study of fish larvae near a Ribbon coral reef in the Great Barrier Reef. *Coral Reefs* 2: 197-203.
- Leis, J.M. and B. Goldman (1987). Composition and distribution of larval fish assemblages in the Great Barrier Reef Lagoon, near Lizard Island, Australia. *Aust. J. Mar. Freshwat. Res.* 38: 211-223.
- Leis, J.M. and B. Goldman (MS). Distribution of fish larvae in the Great Barrier Reef Lagoon near Lizard Island and its implication for management.
- Leis, J.M. and D.S. Rennis (1983). *The larvae of Indo-Pacific coral reef fishes*. N.S.W. University Press (Sydney) and University of Hawaii (Honolulu), 269 pp.
- Lim, L.C., L. Cheong, H.B. Lee and H.H. Heng (1985). Induced breeding studies of the John's snapper *Lutjanus johnii* (Bloch) in Singapore. *Singapore J. Pri. Ind.* 13: 70-83.
- Loubens, G. (1978). Biology of some species of fishes from the New Caledonia lagoon. 1. Age determination (otolithometry) *Cah. ORSTOM (Oceanogr.)* 16: 263-283.
- Loubens, G. (1980a). Biologie de quelques especes de poissons du lagon Neo-Caledonien II. Sexualite et reproduction. *Cahiers de l'Indo-Pacifique* 2: 41-72.
- Loubens, G. (1980b). Biologie de quelque especes de poissons du lagon Neo-Caledonien III Croissance. *Cahiers de l'Indo-Pacifique* 2: 101-153.
- Mahmoudi, B., J.E. Powers and G.R. Huntsman (1984). Assessment of vermilion snapper of the northern South Atlantic Bight. Second Southeast Stock Assessment Workshop, South-east Fisheries Center (Miami). NMFS/NOAA SAW/84/RFR/2, 36 pp.
- Manooch, C.S. III (1987). Age and growth of snappers and groupers. In: J.J. Polovina and S. Ralston (eds). *Tropical snappers and groupers. Biology and fisheries management*. Westview Press, Boulder, Colorado, USA, pp. 329-373.
- Mansour, M. (1982). The growth and abundance of hamra *Lutjanus coccineus* in Kuwait waters in 1982. Annual Research Report for 1982; *Kuwait Institute Sci. Res.*, pp. 81-82.
- Masuda, H., K. Amaska, C. Araga, T. Uyeno and T. Yoshimo (1984). *The fishes of the Japanese Archipelago*. Tokai Univ. Press. 437 pp and 370 Plates.
- Mathew, P.A. (1988). Oral history of reef fishing on the Great Barrier Reef with special emphasis on the effects of Crown of Thorns Starfish. Unpublished report to GBRMPA (Project 365).

- Matilda, C.E. and B.J. Hill (1981). Commercial landings of fish in Queensland. Qld DPI Miscellaneous Publication 81018, 15 pp.
- McPherson, G.R., L. Squire and J. O'Brien (1985). Great Barrier Reef demersal fish research. Northern Fisheries Research Centre, Queensland, Australia. Paper presented to SPC Regional Technical Meeting on fisheries (mimeo).
- McPherson, G., L. Squire and J. O'Brien (1988). Demersal reef fish project 1984-85: Age and growth of four important reef fish species. Fisheries Research Branch Technical Report No. FRB 88/6 and unpublished Report to GBRMPA, 33 pp.
- Mead, P. (1979). Common bottom fishes caught by SPC fishing project. *SPC Fisher Newsl* 18: 1-4.
- Mito, S. (1963). Pelagic fish eggs from Japanese waters. III. Percina. *Jap. J. Ichthyol* 11: 39-64.
- Mori, K. (1984). Early life history of *Lutjanus vitta* (Lutjanidae) in Yuya Bay, Sea of Japan. *Jap J. Ichthyol.* 30: 374-392.
- Munro, J.L. and D. McB. Williams (1985). Assessment and management of coral reef fisheries: biological, environmental and socio-economic aspects. *Proc. 5th Int. Coral Reef Symp.* 4: 545-578.
- Myers, R.F. (1989). *Micronesian Reef Fishes*. Coral Graphics, Guam, 298 pp.
- Okera, W. (MS). Organisation of fish assemblages on the northern Australian continental shelf. Unpublished MS.
- Osborne, S., M. Dunning, Z. Dinesen and O. Crimp (1986). The status of coral trout populations on 13 reefs within the Capricornia Section of the Great Barrier Reef Marine Park. Report prepared for Queensland National Parks and Wildlife Service, 31 pp.
- Parrish, J.D. (1987). The trophic biology of snappers and groupers. In: J.J. Polovina and S. Ralston (Eds). *Tropical snappers and groupers. Biology and Fisheries management*. Westview Press, Boulder, Colorado, USA, pp. 405-463.
- Pauly, D. (1980). On the inter-relationships between natural mortality, growth parameters, and mean environmental temperature in 175 fish stocks. *J. Cons. Int. Explor. Mer.* 39: 175-192.
- Pauly, D. (1984). *Fish population dynamics in tropical waters: A manual for use with programmable calculators*. ICLARM Studies and Reviews, 8, 325 pp.
- Pauly, D. and J. Ingler (1981). Aspects of growth and natural mortality of exploited coral reef fishes. *Proc. 4th Int. Coral Reef Symp.* 1: 89-98.
- Polovina, J.J. (1987). Assessment and management of deepwater bottom fishes in Hawaii and the Marianas. In: J.J. Polovina and S. Ralston (eds). *Tropical snappers and groupers. Biology and fisheries management*. Westview Press, Boulder, Colorado, USA, pp. 505-532.

- Powles, H. (1977). Larval distributions and recruitment hypothesis for snappers and groupers of the South Atlantic Bight. *Peches et Sci Mer*. 31: 362-371.
- Pownall, P.C. (1971). Great Barrier Reef 3: Fisheries resources. *Aust. Fisheries*, January, pp. 13-14.
- Plan Development Team (PDT) (1990). The potential of marine fishery reserves for reef fish management in the U.S. Southern Atlantic, NOAA Technical Memorandum NMFS-SEFC-261, 40 pp.
- Queensland Fisherman (various years). Journal of the Queensland Commercial Fishermens Organisation QCFO, Clayfield, Queensland. Specific references given in text.
- Ralston, S. (1987). Mortality rates of snappers and groupers. In: J.J. Polovina and S. Ralston (eds). *Tropical snappers and groupers. Biology and Fisheries Management*. Westview Press, Boulder, Colorado, USA, pp. 375-404.
- Ralston, S. and J.J. Polovina (1982). A multispecies analysis of the commercial deep-sea handline fishery in Hawaii. *Fish. Bull.* 80: 435-448.
- Ralston, S. and H.A. Williams (1988a). Age and growth of *Lutjanus kasmira*, *Lethrinus rubrioperculatus*, *Acanthurus lineatus* and *Ctenochaetus striatus* in American Samoa. Administrative Report 11-88-18, Southwest Fisheries Center: NMFS (Honolulu Laboratory), 11 pp.
- Ralston, S. and H.A. Williams (1988b). Depth distributions, growth, and mortality of deep slope fishes from the Mariana Archipelago. NOAA Technical Memorandum NMFS. NOAA-TM-NMFS-SWFC-113, 47 pp.
- Randall, J.E., G.R. Allen and R.C. Steene (1990). *Fishes of the Great Barrier Reef and Coral Sea*. Crawford House Press, Bathurst, NSW, 507 pp.
- Randall, J.E. and D.F. Hoese (1986). Revision of the groupers of the Indo-Pacific genus *Plectropomus* (Perciformes: Serranidae). *Indo Pacific Fishes* 13, 36 pp.
- Renzhai, Z. and L. Suifen (1980). Studies on the eggs and larvae development of wise porgy. *Gymnocranius griseus* (Temminck and Schlegel). *Acta Zool. Sinica* 26: 132-135.
- Russ, G.R. (1991). Coral reef fisheries: Effects and yields. In: P.F. Sale (ed.) *The Ecology of Fishes on Coral Reefs*. Academic Press, N.Y., pp. 601-635.
- Sainsbury, R.J. (1987). Assessment and management of the demersal fishery on the continental shelf of northwestern Australia. In: J.J. Polovina and S. Ralston (eds). *Tropical Snappers and Groupers. Biology and Fisheries Management*, Westview Press, Boulder, Colorado, USA, pp. 465-503.
- Sainsbury, K.J., P.J. Kailola and G.G. Leyland (1984). *Continental shelf fishes of northern and north-western Australia*. Clouston and Hall and Peter Pownall Fisheries Information Service, Canberra, Australia.
- Samoilys, M.A. (1987). Aspects of the behaviour, movements and population density of *Plectropomus leopardus* (Lacepede) (Pisces: Serranidae) at Heron Island Reef, southern Great Barrier Reef, Australia. M.Sc Thesis, University of Queensland, 230 pp.

- Sanders, M.J., S.M. Kedidi and M.R. Hegazy (1984). Stock assessment for the bigeye snapper (*Lutjanus lineolatus* caught by trawl in the Gulf of Suez. FAO/UNDP/83/023, 40 pp.
- Sato, T., M. Walker and J.E. Randall (1984). Lethrinidae. In: W. Fischer and G. Bianchi (eds). *FAO Species identification sheets for Fishery Purposes. Western Indian Ocean*. FAO, Rome.
- Seng, L.T. and Yong, W.S. (1987). Parasites of wild and diseased juvenile golden snapper, *Lutjanus johnii* (Bloch), in floating cages in Penang, Malaysia. *Asian Fisher. Sci* 1: 83-90.
- Shapiro, D.Y. (1987). Reproduction in Groupers. In: J.J. Polovina and S. Ralston (eds). *Tropical Snappers and Groupers. Biology and Fisheries Management*. Westview Press, Boulder, Colorado, USA, pp. 295-327.
- Sivalingam, S. (1969). Wedge bank trawl fishery studies. 4. An analysis of the length frequency measurements of sea bream (*Lethrinus nebulosus*) made in 1949 and 1953 to 1958. *Bull. Fisheries Research Station Ceylon* 20: 39-50.
- Smith, M.M. (1986). Lethrinidae. In: M.M. Smith and P.C. Heemstra (eds). *Smiths' Sea Fishes*. Springer-Verlag, Berlin, pp. 595-600.
- Starck, W.A. (1970). Biology of the gray snapper, *Lutjanus griseus* (Linnaeus) in the Florida Keys. *Stud. Trop. Oceanogr.* (Miami) 10: 1-150.
- Steven, A. (1988). An analysis of fishing activities on possible predators of the crown of thorns starfish (*Acanthaster planci*) on the Great Barrier Reef. Unpublished report to GBRMPA (Project 329: 1986-88), 131 pp.
- Suzuki, K. and S. Hioki (1979). Spawning behaviour, eggs and larvae of the lutjanid fish, *Lutjanus kasmira*, in an aquarium. *Jap. J. Ichthyol.* 26: 161-166.
- Talbot, F.H. (1957). The fishes of the genus *Lutjanus* of the east African coast. *Annals and Magazine of Natural History* 12: 241-267.
- Talbot, F.H. (1960). Notes on the biology of the Lutjanidae (Pisces) of the east African coast, with special reference to *L. bohar* (Forsk.). *Annals. S. Afr. Mus.* 65: 549-573.
- Thompson, T. and W.A. Hubert (1990). Influence of survey method on estimates of statewide fishing activity. *North Am. J. Fisher. Management* 10: 111-113.
- Toor, H. S. (1964). Biology and fishery of the pigface bream, *Lethrinus lentjan* (Lacepede). III. Age and growth. *Indian J. Fish* 11: 597-620.
- Trainor, N. (1991). Commercial line fishing. *Qld. Fisherman*, March 1991, pp. 17-24.
- UNEP/IUCN (1988). Coral reefs of the World, Volumes 1-3. Published by the United Nations Environment Program and the International Union for Conservation of Nature and Natural Resources.
- Walker, M.H. (1975). Aspects of the biology of emperor fishes, family Lethrinidae, in north Queensland Barrier Reef waters. Ph.D thesis, James Cook University, Townsville, Australia, 241 pp.

- Walker, T. (1986). Campers surveyed on attitudes to fishing bag limits. *Reflections*, May, 1986, No. 17, p. 11.
- Walker, T. (1989). Aerial surveillance of the marine park. *Reflections*, April, 1989, No. 23, pp. 8-9.
- Walters, C. and K. Sainsbury (1990). Design of a large scale experiment for measuring effects of fishing on the Great Barrier Reef. Unpublished report to GBRMPA, 47 pp.
- Watson, R.A. (1989). Bycatch studies in the Great Barrier Reef. In: Craik, W., J. Glaister and I. Poiner (eds). Effects of Fishing in the Great Barrier Reef. Proceedings of a workshop held under the auspices of the advisory Committee on research on fishing in the Great Barrier Reef region, Feb. 19-24, 1989. Unpublished report of GBRMPA.
- Watson, R. and G.B. Goeden (1989). Spatial zonation of the demersal fauna of the Great Barrier Reef. *Mem. Qld. Mus.* 27: 611-620.
- Wheeler, J.F.G. (1961). The genus *Lethrinus* in the Western Indian Ocean. *Fisher. Publ. Colonial. Off.* 15: 1-51.
- White, A.T. and N. Lopez (1990). Coastal resources management planning and implementation of the Fishery Sector program in the Philippines. *Proc. 7th Symposium on Coastal and Ocean Management*, 14 pp.
- Whitelaw, A.W., K.J. Sainsbury, G.J. Dews and R.A. Campbell (1991). Catching characteristics of four fish-trap types on the North West Shelf of Australia. *Aust. J. Mar. Freshwater Res.* 42: 369-382.
- Williams, D. McB. (1982). Patterns in the distribution of fish communities across the central Great Barrier Reef. *Coral Reefs* 1: 35-43.
- Williams, D. McB. (1983). Longitudinal and latitudinal variation in the structure of reef fish communities. In: J.T. Baker et al. (eds). *Proceedings of the Inaugural Great Barrier Reef Conference*, (Townsville, 1983), pp. 265-270.
- Williams, D. McB. (1991). Patterns and processes in the distribution of coral reef fishes. In: P.F. Sale (ed). *The Ecology of Fishes on Coral Reefs*. Academic Press, N.Y., pp. 437-474.
- Williams, D. McB. and S. English (1988). Cross-shelf distribution of copepods and fish larvae in the central Great Barrier Reef. *Mar. Biol.* 99: 577-589.
- Williams, M.J. (1981). Queensland fisheries survey reveals interesting trends. *Aust. Fisheries*, December, 1981, pp. 9-11.
- Williams, M.J. (1986). Descriptive Statistics on Queensland commercial fisheries. In: T.J. Hundloe (ed.) *Fisheries Management: Theory and practice in Queensland*. Griffith University Press, pp. 62-67.
- Wright, A., P.J. Dalzell and A.H. Richards (1986). Some aspects of the biology of the red bass, *Lutjanus bohar* (Forsk.) from the Tigak Islands, Papua New Guinea. *J. Fish. Biol.* 28: 533-544.

- Yeh, S.Y. (1988). Assessment of the red snapper (*Lutjanus malabaricus*) resource in the waters of northwestern Australia. *Acta Oceanogr. Taiwanica* 19: 166-176.
- Yeh, S.Y. and C.Y. Chen (1986). Survival estimation based on length frequency analysis of red snapper (*Lutjanus malabaricus*) in the northwest shelf of Australia. *Acta. Oceanogr. Taiwanica* 17: 119-126.
- Yeh, S.Y., C.Y. Chen and H.C. Liu (1986). Age and growth of *Lutjanus sebae* in the waters off northwestern Australia. *Acta. Oceanogr. Taiwanica* Sci. Report 16: 90-102.
- Young, P.C. and R.B. Martin (1982). Evidence for protogynous hermaphroditism in some lethrinid fishes. *J. Fish. Biol.* 21: 475-491.
- Zann-Schuster, M. (1990). Unpublished report to GBRMPA.