# Source of data used for: Then, A. Y., J. M. Hoenig, N. G. Hall, and D. A. Hewitt. 2015. Evaluating the predictive performance of empirical estimators of natural mortality rate using information on over 200 fish species. ICES Journal of Marine Science 72:82-92. 

## References

A. Hesp, Western Australian Fisheries and Marine Research Laboratories, Department of Fisheries, Government of Western Australia, PO Box 20, North Beach, WA 6920, Australia

Aasen, O. 1963. Length and growth of the porbeagle (Lamna nasus, Bonnaterre) in the North West Atlantic. Reports on Norwegian Fishery and Marine Investigations 13:20-37.
Adachi, K. U., K. O. Takagi, E. I. Tanaka, S. A. Yamada, and T. O. Kitakado. 2000. Age and growth of alfonsino Beryx splendens in the waters around the Izu Islands. Fisheries Science 66:232-240.

Ahrenholz, D. W. 1981. Recruitment and exploitation of Gulf menhaden, Brevoortia patronus. Fishery Bulletin 79:325-335.

Aiken, K. A. 1983. The biology, ecology and bionomics of the triggerfishes, Balistidae. In: J. L. Munro (ed.) Caribbean Coral Reef Fishery Resources, pp. 191-205. International Center for Living Aquatic Resources Management, Manila, Philippines.
Alexander, D. R., and S. P. Merrill. 1976. The unexploited brook trout population of Big Indian Lake, Nova Scotia - vital statistics and potential fisheries. Technical Report Series No. MAR/T-76-4. Department of Fisheries and the Environment, Halifax, Nova Scotia. 19 p.

Allen, M. S., L. E. Miranda, and R. E. Brock. 1998. Implications of compensatory and additive mortality to the management of selected sportfish populations. Lakes \& Reservoirs: Research \& Management 3:67-79.
Annala, J. H., B. A. Wood, and D. W. Smith. 1989. Age, growth, mortality, and yield-per-recruit estimates of tarakihi from the Chatham Islands during 1984 and 1985. Fisheries Research Centre Internal Report No. 119. New Zealand Ministry of Agriculture and Fisheries, Wellington. 23 p.

Archibald, C. P., W. Shaw, and B. M. Leaman. 1981. Growth and mortality estimates of rockfishes (Scorpaenidae) from B.C. coastal waters, 1977-1979. Canadian Technical Report of Fisheries and Aquatic Sciences No. 1048. Department of Fisheries and Oceans, British Columbia. 57 p.

Armsworthy, S. L., and S. E. Campana. 2010. Age determination, bomb-radiocarbon validation and growth of Atlantic halibut (Hippoglossus hippoglossus) from the Northwest Atlantic. Environmental Biology of Fishes 89:279-295.
Ashford, J., G. Duhamel, C. Jones, and S. Bobko. 2005. Age, growth and mortality of Patagonian toothfish (Dissostichus eleginoides) caught off Kerguelen. CCAMLR Science 12:29-41.

Bacheler, N. M., J. A. Buckel, J. E. Hightower, L. M. Paramore, and K. H. Pollock. 2009. A combined telemetry - tag return approach to estimate fishing and natural mortality rates of an estuarine fish. Canadian Journal of Fisheries and Aquatic Sciences 66:1230-1244.

Bailey, R. S., and P. A. Kunzlik. 1984. Variation in growth and mortality rates of Norway pout Trisopterus esmarkii (Nilsson). International Council for the Exploration of the Sea (ICES) CM 1984/G:70. 18 p.

Banerji, S. K. 1973. An assessment of the exploited pelagic fisheries of the Indian seas. In: R. M. S. Bhargava (ed.) Proceedings of the Symposium on Living Resources of the Seas around India, 7-10 December 1968, pp. 114-136. Central Marine Fisheries Research Institute, Cochin.
Bechtol, W. R. 2000. Rockfish assessment in Prince William Sound, Alaska. Regional Information Report No. 2A99-34. Alaska Department of Fish and Game, Anchorage, AK. 36 p.
Beckmann, A. T., D. R. Gunderson, B. S. Miller, R. M. Buckley, and B. Goetz. 1998. Reproductive biology, growth, and natural mortality of Puget Sound rockfish, Sebastes emphaeus (Starks, 1911). Fishery Bulletin 96:352-356.

Belk, M. C., and L. S. Hales Jr. 1993. Predation-induced differences in growth and reproduction of bluegills (Lepomis macrochirus). Copeia 4:1034-1044.

Bergstad, O. A., and A. S. Hoines. 2001. Effects of exploitation on age and size structure of sandeel, Ammodytes marinus, populations in the North Sea. Archive of Fishery and Marine Research 49:3-18.
Beverton, R. J. 1963. Maturation, growth and mortality of clupeid and engraulid stocks in relation to fishing. Rapport Conseil International Exploration de la Mer 154:44-67.
Beverton, R. J. H., and S. J. Holt. 1959. A review of the lifespans and mortality rates of fish in nature, and their relation to growth and other physiological characteristics. In: G. E. W. Wolstenholme and M. O'Conner (eds.) Ciba Foundation Symposium - The Lifespan of Animals (Colloquia on Ageing), Volume 5. John Wiley \& Sons, Ltd, Chichester, UK. pp. 142-180.
Beyer, J. E., C. H. Kirchner, and J. A. Holtzhausen. 1999. A method to determine size-specific natural mortality applied to westcoast steenbras (Lithognathus aureti) in Namibia. Fisheries Research 41:133-153.
Booth, A. J., and C. D. Buxton. 1997. The biology of the panga, Pterogymnus laniarius (Teleostei: Sparidae), on the Agulhas Bank, South Africa. Environmental Biology of Fishes 49:207-226.

Brandhorst, W., J. P. Castello, M. B. Cousseau, and D. A. Capezzani. 1974. Evaluacion de los recursos de anchoita (Engraulis anchoita) frente a la Argentina y Uruguay. VIII. Desove, crecimiento, mortalidad y estructura de la poblacion. Physis A 33:37-58.

Brenden, T. O., E. M. Hallerman, and B. R. Murphy. 2006. Sectioned pelvic fin ray ageing of muskellunge Esox masquinongy from a Virginia river: comparisons among readers, with cleithrum estimates, and with tag-recapture growth data. Fisheries Management and Ecology 13:31-37.
Brenden, T. O., E. M. Hallerman, B. R. Murphy, J. R. Copeland, and J. A. Williams. 2007. The New River, Virginia, muskellunge fishery: population dynamics, harvest regulation modeling, and angler attitudes. Environmental Biology of Fishes 79:11-25.

Brouwer, S. L., and M. H. Griffiths. 2004. Age and growth of Argyrozona argyrozona (Pisces: Sparidae) in a marine protected area: an evaluation of methods based on whole otoliths, sectioned otoliths and markrecapture. Fisheries Research 67:1-12.

Brouwer, S. L., and M. H. Griffiths. 2005. Influence of sample design on estimates of growth and mortality in Argyrozona argyrozona (Pisces: Sparidae). Fisheries Research 74:44-54.

Brown, I. W., and W. D. Sumpton. 1998. Age, growth and mortality of redthroat emperor Lethrinus miniatus (Pisces: Lethrinidae) from the southern Great Barrier Reef, Queensland, Australia. Bulletin of Marine Science 62:905-917.
Brown, P., K. P. Sivakumaran, D. Stoessel, and A. Giles. 2005. Population biology of carp (Cyprinus carpio L.) in the mid-Murray River and Barmah Forest Wetlands, Australia. Marine and Freshwater Research 56:1151-1164.

Burton, M. L. 2001. Age, growth, and mortality of gray snapper, Lutjanus griseus, from the east coast of Florida. Fishery Bulletin 99:254-265.

Buxton, C. D. 1993. Life-history changes in exploited reef fishes on the east coast of South Africa. Environmental Biology of Fishes 36:47-63.

Cabral, J. A., and J. C. Marques. 1999. Life history, population dynamics and production of eastern mosquitofish, Gambusia holbrooki (Pisces, Poeciliidae), in rice fields of the lower Mondego River Valley, western Portugal. Acta Oecologica 20:607-620.

Carline, R. F. 2006. Regulation of an unexploited brown trout population in Spruce Creek, Pennsylvania. Transactions of the American Fisheries Society 135:943-954.
Chang, H.-W. 1951. Age and growth of Callionymus lyra L. Journal of the Marine Biological Association of the United Kingdom 30:281-296.

Chen, D.-G., and Y. Xiao. 2006. A general model for analyzing data from mark-recapture experiments with an application to the Pacific halibut. Environmental and Ecological Statistics 13:149-161.
Chilton, E. A. 2005. Growth and natural mortality of dark rockfish (Sebastes ciliatus) in the western Gulf of Alaska. Poster presented at: 23rd Lowell Wakefield Fisheries Symposium on Biology, Assessment, and Management of North Pacific Rockfishes, Anchorage, AK, September, 2005.

Choat, J. H., C. R. Davies, J. L. Ackerman, and B. D. Mapstone. 2006. Age structure and growth in a large teleost, Cheilinus undulatus, with a review of size distribution in labrid fishes. Marine Ecology Progress Series 318:237-246.

Choat, J. H., D. R. Robertson, J. L. Ackerman, and J. M. Posada. 2003. An age-based demographic analysis of the Caribbean stoplight parrotfish Sparisoma viride. Marine Ecology Progress Series 246:265-277.

Cohen, D. M. 1954. Age and growth studies on two species of whitefishes from Point Barrow, Alaska. Stanford Ichthyological Bulletin 4:168-187.

Cook, M., G. R. Fitzhugh, and J. S. Franks. 2009. Validation of yellowedge grouper, Epinephelus flavolimbatus, age using nuclear bomb-produced radiocarbon. Environmental Biology of Fishes 86:461472.

Cook, R. M. 2004. Estimation of the age-specific rate of natural mortality for Shetland sandeels. ICES Journal of Marine Science 61:159-164.

Cortés, E., and G. R. Parsons. 1996. Comparative demography of two populations of the bonnethead shark (Sphyrna tiburo). Canadian Journal of Fisheries and Aquatic Sciences 53:709-718.
Cossington, S., S. A. Hesp, N. G. Hall, and I. C. Potter. 2010. Growth and reproductive biology of the foxfish Bodianus frenchii, a very long-lived and monandric protogynous hermaphroditic labrid. Journal of Fish Biology 77:600-626.
Coulson, P. G., S. A. Hesp, N. G. Hall, and I. C. Potter. 2009. The western blue groper (Achoerodus gouldii), a protogynous hermaphroditic labrid with exceptional longevity, late maturity, slow growth, and both late maturation and sex change. Fishery Bulletin 107:57-75.

Cowen, L., S. J. Walsh, C. J. Schwarz, N. Cadigan, and J. Morgan. 2009. Estimating exploitation rates of migrating yellowtail flounder (Limanda ferruginea) using multistate mark-recapture methods incorporating tag loss and variable reporting rates. Canadian Journal of Fisheries and Aquatic Sciences 66:1245-1255.

Crabtree, R. E., and L. H. Bullock. 1998. Age, growth, and reproduction of black grouper, Mycteroperca bonaci, in Florida waters. Fishery Bulletin 96:735-753.
Curtis, J. M. R., and A. C. J. Vincent. 2006. Life history of an unusual marine fish: survival, growth and movement patterns of Hippocampus guttulatus Cuvier 1829. Journal of Fish Biology 68:707-733.

Daniels, R. 1987. Comparative life histories and microhabitat use in three sympatric sculpins (Cottidae:Cottus) in northeastern California. Environmental Biology of Fishes 19:93-110.
Deason, H. J., and R. Hile. 1947. Age and growth of the kiyi, Leucichthys kiyi Koelz, in Lake Michigan. Transactions of the American Fisheries Society 74:88-142.
den Heyer, C. E., C. J. Schwarz, and M. K. Trzcinski. 2013. Fishing and natural mortality rates of Atlantic halibut estimated from multiyear tagging and life history. Transactions of the American Fisheries Society 142:690-702.
Depczynski, M., and D. R. Bellwood. 2005. Shortest recorded vertebrate lifespan found in a coral reef fish. Current Biology 15:R288-R289.

Dickie, L. M., and F. D. McCracken. 1955. Isopleth diagrams to predict equilibrium yields of a small flounder fishery. Journal of the Fisheries Board of Canada 12:187-209.
Donald, D. B., and D. J. Alger. 1986. Dynamics of unexploited and lightly exploited populations of rainbow trout (Salmo gairdneri) from coastal, montane, and subalpine lakes in western Canada. Canadian Journal of Fisheries and Aquatic Sciences 43:1733-1741.

Dulčić, J., A. Pallaoro, P. Cetinić, M. Kraljević, A. Soldo, and I. Jardas. 2003. Age, growth and mortality of picarel, Spicara smaris L.(Pisces: Centracanthidae), from the eastern Adriatic (Croatian coast). Journal of Applied Ichthyology 19:10-14.

Dulčić, J., and M. Kraljević. 1995. Age, growth and mortality of damselfish (Chromis chromis L.) in the eastern middle Adriatic. Fisheries Research 22:255-264.
Dulčić, J., M. Kraljević, B. Grbec, and P. Cetinić. 2000. Age, growth and mortality of blotched picarel Spicara maena L. (Pisces: Centracanthidae) in the eastern central Adriatic. Fisheries Research 48:69-78.

Dunn, A., P. L. Horn, P. L. Cordue, and T. H. Kendrick. 2000. Stock assessment of hake (Merluccius australis) for the 1999-2000 fishing year. New Zealand Fisheries Assessment Report 2000/50. 50 p.

Dwyer, K. S., S. J. Walsh, and S. E. Campana. 2003. Age determination, validation and growth of Grand Bank yellowtail flounder (Limanda ferruginea). ICES Journal of Marine Science 60:1123-1138.
E. Lek, Western Australian Fisheries and Marine Research Laboratories, Department of Fisheries, Government of Western Australia, PO Box 20, North Beach, WA 6920, Australia
Edwards, R. R. C. 1980. Aspects of the population dynamics and ecology of the white spotted stingaree, Urolophus paucimaculatus Dixon, in Port Phillip Bay, Victoria. Australian Journal of Marine and Freshwater Research 31:459-467.
Everson, I. 1970. The population dynamics and energy budget of Notothenia neglecta Nybelin at Signy Island, South Orkney Islands. British Antartic Survey Bulletin 23:25-50.

Farley, J. H., N. P. Clear, B. Leroy, T. L. Davis, and G. McPherson. 2006. Age, growth and preliminary estimates of maturity of bigeye tuna, Thunnus obesus, in the Australian region. Marine and Freshwater Research 57:713-724.

Faunce, C. H., and R. Muller. 2007. Mortality estimates for mutton snapper, Lutjanus analis, inhabiting Florida waters. SEDAR 15A-DW-16. SEDAR, North Charleston, SC. Available online at: http://www.sefsc.noaa.gov/sedar/download/S15A-DW-
16\%20Mortality\%20estimates\%20for\%20mutton\%20snapper\%2C\%20Lutjanus\%20analis\%20inhabiting\%2 OFlorida\%20waters\%202007.pdf?id=DOCUMENT

Faunce, C. H., H. M. Patterson, and J. J. Lorenz. 2002. Age, growth, and mortality of the Mayan cichlid (Cichlasoma urophthalmus) from the southeastern Everglades. Fishery Bulletin 100:42-50.
Ferreira, B. P., and G. R. Russ. 1992. Age, growth and mortality of the inshore coral trout Plectropomus maculatus (Pisces: Serranidae) from the central Great Barrier Reef, Australia. Australian Journal of Marine and Freshwater Research 43:1301-1301.

Ferreira, B. P., and G. R. Russ. 1995. Population structure of the leopard coral grouper, Plectropomus leopardus, on fished and unfished reefs off Townsville, Central Great Barrier Reef, Australia. Fishery Bulletin 93:629-642.
Fletcher, W. J. 1995. Application of the otolith weight-age relationship for the pilchard, Sardinops sagax neopilchardus. Canadian Journal of Fisheries and Aquatic Sciences 52:657-664.
Fonds, M. 1973. Sand gobies in the Dutch Wadden Sea (Pomatoschistus, Gobiidae, Pisces). Netherlands Journal of Sea Research 6:417-478.

Forsberg, J. E. 2001. Aging manual for Pacific halibut: procedures and methods used at the International Pacific Halibut Commission (IPHC). Technical Report 46. IPHC, Seattle, Washington. 56 p.

Froese, R., and D. Pauly (Editors) 2006. FishBase. World Wide Web electronic publication. www.fishbase.org (4/2013).

Frolkina, Z. A., and R. S. Dorovskikh. 1989. On assessment of Bertalanffy growth equation parameters and instantaneous natural mortality rate of South Georgia mackerel icefish. In: Selected Scientific Papers (SC-CAMLR-SSP/6), pp. 29-36. Convention on the Conservation of Antarctic Marine Living Resources (CCAMLR), Hobart, Australia.

Frost, W. E. 1943. The natural history of the minnow, Phoxinus phoxinus. Journal of Animal Ecology 12:139162.

Gaichas, S., and J. N. Ianelli. 2003. Assessment of thornyheads (Sebastolobus spp.) in the Gulf of Alaska. In: Stock assessment and fishery evaluation report for the groundfish resources of the Gulf of Alaska, pp. 659-698. North Pacific Fishery Management Council, Anchorage, AK.
Gerhardt, D. R., and W. A. Hubert. 1991. Population dynamics of a lightly exploited channel catfish stock in the Powder River System, Wyoming-Montana. North American Journal of Fisheries Management 11:200205.

Gjøsæter, J. 1973. Age, growth, and mortality of the myctophid fish, Benthosema glaciale (Reinhardt), from western Norway. Sarsia 52:1-14.
Gjøsæter, J. 1981. Life history and ecology of the myctophid fish Notoscopelus elongatus kroeyeri from the Northeast Atlantic. Fiskeridirektoratets Skrifter. Serie Havundersøkelser 17:133-152.

Goedde, L. E., and D. W. Coble. 1981. Effects of angling on a previously fished and an unfished warmwater fish community in two Wisconsin lakes. Transactions of the American Fisheries Society 110:594-603.
Gonçalves, J. M. S., L. Bentes, R. Coelho, C. Correia, P. G. Lino, C. C. Monteiro, J. Ribeiro, and K. Erzini. 2003. Age and growth, maturity, mortality and yield-per-recruit for two banded bream (Diplodus vulgaris Geoffr.) from the south coast of Portugal. Fisheries Research 62:349-359.
Gordoa, A., and B. Molí. 1997. Age and growth of the sparids Diplodus vulgaris, D. sargus and D. annularis in adult populations and the differences in their juvenile growth patterns in the north-western Mediterranean Sea. Fisheries Research 33:123-129.

Gordoa, A., B. Molí, and N. Raventós. 2000. Growth performance of four wrasse species on the northwestern Mediterranean coast. Fisheries Research 45:43-50.
Grainger, E. H. 1953. On the age, growth, migration, reproductive potential and feeding habits of the Arctic char (Salvelinus alpinus) of Frobisher Bay, Baffin Island. Journal of the Fisheries Board of Canada 10:326370.

Grandcourt, E., T. Z. Al Abdessalaam, F. Francis, and A. AI Shamsi. 2010. Age-based life history parameters and status assessments of by-catch species (Lethrinus borbonicus, Lethrinus microdon, Pomacanthus maculosus and Scolopsis taeniatus) in the southern Arabian Gulf. Journal of Applied Ichthyology 26:381389.

Grant, C. J., R. L. Sandland, and A. M. Olsen. 1979. Estimation of growth, mortality and yield per recruit of the Australian school shark, Galeorhinus australis (Macleay), from tag recoveries. Marine and Freshwater Research 30:625-637.

Gray, C. A., M. C. Ives, W. G. Macbeth, and B. W. Kendall. 2010. Variation in growth, mortality, length and age compositions of harvested populations of the herbivorous fish Girella tricuspidata. Journal of Fish Biology 76:880-899.

Gunn, J. S., N. P. Clear, T. I. Carter, A. J. Rees, C. A. Stanley, J. H. Farley, and J. M. Kalish. 2008. Age and growth in southern bluefin tuna, Thunnus maccoyii (Castelnau): direct estimation from otoliths, scales and vertebrae. Fisheries Research 92:207-220.

Gust, N., J. Choat, and J. Ackerman. 2002. Demographic plasticity in tropical reef fishes. Marine Biology 140:1039-1051.

Hamilton, S. L., J. R. Wilson, T. Ben-Horin, and J. E. Caselle. 2011. Utilizing spatial demographic and life history variation to optimize sustainable yield of a temperate sex-changing fish. PLoS ONE 6:e24580.
Hammers, B. E., and L. E. Miranda. 1991. Comparison of methods for estimating age, growth, and related population characteristics of white crappies. North American Journal of Fisheries Management 11:492-498.

Hampton, J. 1991. Estimation of southern bluefin tuna Thunnus maccoyii natural mortality and movement rates from tagging experiments. Fishery Bulletin 89:591-610.

Hampton, J. 2000. Natural mortality rates in tropical tunas: size really does matter. Canadian Journal of Fisheries and Aquatic Sciences 57:1002-1010.

Hampton, J. 2002. Stock assessment of skipjack tuna in the western and central Pacific Ocean. SCTB15 Working paper SKJ-1. Oceanic Fisheries Programme, Secretariat of the Pacific Community, Noumea, New Caledonia. 35 p. Available at:
http://www.spc.int/DigitalLibrary/Doc/FAME/Meetings/SCTB/15/YFT_1.pdf
Hanan, D. 1981. Update of the estimated mortality rate of Engraulis mordax in southern California. California Fish and Game 67:62-65.

Harris, M. J., and G. D. Grossman. 1985. Growth, mortality, and age composition of a lightly exploited tilefish substock off Georgia. Transactions of the American Fisheries Society 114:837-846.

Harris, P. J., D. M. Wyanski, and P. T. Powers Mikell. 2004. Age, growth, and reproductive biology of blueline tilefish along the Southeastern Coast of the United States, 1982-1999. Transactions of the American Fisheries Society 133:1190-1204.
Harry, A. V., A. J. Tobin, and C. A. Simpfendorfer. 2013. Age, growth and reproductive biology of the spot-tail shark, Carcharhinus sorrah, and the Australian blacktip shark, C. tilstoni, from the Great Barrier Reef World Heritage Area, north-eastern Australia. Marine and Freshwater Research 64:277-293.
Hart, A. M., and G. R. Russ. 1996. Response of herbivorous fishes to crown-of-thorns starfish Acanthaster planci outbreaks. III. Age, growth, mortality and maturity indices of Acanthurus nigrofuscus. Marine Ecology Progress Series 136:25-35.
Hart, J. L. 1931. The growth of the whitefish Coregonus clupeaformis (Mitchill). Contributions to Canadian Biology and Fisheries 6:427-444.
Hernaman, V., and P. L. Munday. 2005a. Life-history characteristics of coral reef gobies. I. Growth and lifespan. Marine Ecology Progress Series 290:207-221.

Hernaman, V., and P. L. Munday. 2005b. Life-history characteristics of coral reef gobies. II. Mortality rate, mating system and timing of maturation. Marine Ecology Progress Series 290:223-237.

Hesp, S. A., N. G. Hall, and I. C. Potter. 2004. Size-related movements of Rhabdosargus sarba in three different environments and their influence on estimates of von Bertalanffy growth parameters. Marine Biology 144:449-462.
Hewitt, D. A., E. C. Janney, B. S. Hayes, and A. C. Harris. 2012. Demographics and run timing of adult Lost River (Deltistes luxatus) and shortnose (Chasmistes brevirostris) suckers in Upper Klamath Lake, Oregon, 2011. U.S. Geological Survey Open-File Report 2012-1193. 42 p.

Hile, R. 1941. Age and growth of the rock bass, Ambloplites rupestris (Rafinesque), in Nebish Lake, Wisconsin. Transactions of the Wisconsin Academy of Sciences, Arts, and Letters 33:189-337.
Horn, P. L. 1993. Growth, age structure, and productivity of jack mackerels (Trachurus spp.) in New Zealand waters. New Zealand Journal of Marine and Freshwater Research 27:145-155.

Horn, P. L. 1997. An ageing methodology, growth parameters and estimates of mortality for hake (Merluccius australis) from around the South Island, New Zealand. Marine and Freshwater Research 48:201-209.

Horn, P. L., H. L. Neil, L. J. Paul, and P. J. McMillan. 2012. Age verification, growth and life history of rubyfish Plagiogeneion rubiginosum. New Zealand Journal of Marine and Freshwater Research 46:353-368.

Hubert, W. A., D. Dufek, J. Deromedi, K. Johnson, S. Roth, and D. Skates. 2008. Burbot in the Wind River Drainage of Wyoming: knowledge of stocks and management issues. In: V. L. Paragamian, and D. H. Bennett (eds.) Burbot: Biology, Management, and Culture, pp. 187-200. American Fisheries Society, Symposium 59, Bethesda, MD.

Hughes, S. E. 1974. Stock composition, growth, mortality, and availability of Pacific saury, Cololabis saira, of the northeastern Pacific Ocean. Fishery Bulletin 72:121-131.
Hutchings, K., and M. H. Griffiths. 2010. Life-history strategies of Umbrina robinsoni (Sciaenidae) in warmtemperate and subtropical South African marine reserves. African Journal of Marine Science 32:37-53.

Hutchinson, C. E., and D. M. Anderl. 2012. Giant grenadier (Albatrossia pectoralis). Resource Ecology and Fisheries Management Division, Alaska Fisheries Science Center, NMFS, NOAA, 7600 Sand Point Way NE, Seattle WA 98115. Available at: http://www.afsc.noaa.gov/REFM/Age/default.htm.
Hutchinson, C. E., and T. T. TenBrink. 2011. Age determination of the Yellow Irish Lord: management implications as a result of new estimates of maximum age. North American Journal of Fisheries Management 31:1116-1122.
ICES (International Council for the Exploration of the Sea). 1995. Report of the Working Group on the Assessment of Norway Pout and Sandeel, 31 August - 6 September 1994, ICES Headquarters, Copenhagen, Denmark. ICES C.M.1995/Assess:5. 145 p.

Ishikawa, T., and K. Tachihara. 2008. Age, growth and maturation of the redbelly tilapia Tilapia zillii introduced into the Haebaru Reservoir on Okinawa-jima Island, Japan. Fisheries Science 74:527-532.
Ishikawa, T., and K. Tachihara. 2010. Life history of the nonnative convict cichlid Amatitlania nigrofasciata in the Haebaru Reservoir on Okinawa-jima Island, Japan. Environmental Biology of Fishes 88:283-292.

Ishikawa, T., T. Shimose, and K. Tachihara. 2013. Life history of an invasive and unexploited population of Nile tilapia (Oreochromis niloticus) and geographical variation across its native and non-native ranges. Environmental Biology of Fishes 96:603-616.

Iversen, S. A., D. Zhu, A. Johannessen, and R. Toresen. 1993. Stock size, distribution and biology of anchovy in the Yellow Sea and East China Sea. Fisheries Research 16:147-163.
J.F. Walter, National Marine Fisheries Service, Southeast Fisheries Science Center, 75 Virginia Beach Dr, Key Biscayne, FL 33149, United States

Jackson, Z. J., M. C. Quist, and J. G. Larscheid. 2008. Growth standards for nine North American fish species. Fisheries Management and Ecology 15:107-118.
Jester, D. B., and R. R. Suminski. 1982. Age and growth, fecundity, abundance, and biomass production of the White Sands pupfish, Cyprinodon tularosa (Cyprinodontidae), in a desert pond. The Southwestern Naturalist 27:43-54.

Johnson, A. G. 1983. Age and growth of yellowtail snapper from South Florida. Transactions of the American Fisheries Society 112:173-177.
Johnson, A. G., W. A. Fable Jr, M. L. Williams, and L. E. Barger. 1983. Age, growth, and mortality of king mackerel, Scomberomorus cavalla, from the southeastern United States. Fishery Bulletin 81:97-106.

Johnson, L. 1966. Consumption of food by the resident population of pike, Esox lucius, in Lake Windermere. Journal of the Fisheries Board of Canada 23:1523-1535.
Jones, B. W. 1966. The cod and the cod fishery at Faroe. Fishery Investigations Series II 24. 32 p.
Jones, G. K. 1990. Growth and mortality in a lightly fished population of garfish (Hyporhamphus melanochir), in Baird Bay, South Australia. Transactions of the Royal Society of South Australia (Australia) 114:37-45.
Jones, G. P. 1980. Growth and reproduction in the protogynous hermaphrodite Pseudolabrus celidotus (Pisces: Labridae) in New Zealand. Copeia 4:660-675.

Jones, J. W., and H. B. N. Hynes. 1950. The age and growth of Gasterosteus aculeatus, Pygosteus pungitius and Spinachia vulgaris, as shown by their otoliths. The Journal of Animal Ecology 19:59-73.
Kennedy, W. A. 1943. The whitefish, Coregonus clupeaformis (Mitchill), of Lake Opeongo, Algonquin Park, Ontario. University of Toronto studies. Biological Series No. 51 (Publications of the Ontario Fisheries Research Laboratory No. 62):22-43.

Ketchen, K. S., and C. R. Forrester 1966. Population dynamics of the petrale sole, Eopsetta jordani, in waters off western Canada. Bulletins of the Fisheries Research Board of Canada 153. 195 p.
Kipling, C., and W. E. Frost. 1970. A study of the mortality, population numbers, year class strengths, production and food consumption of pike, Esox lucius L., in Windermere from 1944 to 1962. Journal of Animal Ecology 39:115-157.

Knip, D. M., M. R. Heupel, and C. A. Simpfendorfer. 2012. Mortality rates for two shark species occupying a shared coastal environment. Fisheries Research 125-126:184-189.
Kocovsky, P. M., and R. F. Carline. 2001. Dynamics of the unexploited walleye population of Pymatuning Sanctuary, Pennsylvania, 1997-1998. North American Journal of Fisheries Management 21:178-187.

Koutrakis, E. T., N. I. Kamidis, and I. D. Leonardos. 2004. Age, growth and mortality of a semi-isolated lagoon population of sand smelt, Atherina boyeri (Risso, 1810) (Pisces: Atherinidae) in an estuarine system of northern Greece. Journal of Applied Ichthyology 20:382-388.

Kovačić, M. 2006. Age structure, growth and mortality of the striped goby, Gobius vittatus (Gobiidae) in the northern Adriatic Sea. Scientia Marina 70:635-641.
Krishnamoorthi, B. 1971. Biology of the threadfin bream, Nemipterus japonicus (Block). Indian Journal of Fisheries 18:1-21.

Krishnamoorthi, B. 1976. A note on mortality rates and yield per recruit in Nemipterus japonicus (Block). Indian Journal of Fisheries 23:252-255.
Kritzer, J. P. 2002. Stock structure, mortality and growth of the decorated goby, Istigobius decoratus (Gobiidae), at Lizard Island, Great Barrier Reef. Environmental Biology of Fishes 63:211-216.

Krueger, K. L., and W. A. Hubert. 1997. Assessment of lentic burbot populations in the Big Horn/Wind River drainage, Wyoming. Journal of Freshwater Ecology 12:453-463.
La Mesa, M., A. De Felice, C. D. Jones, and K. H. Kock. 2009. Age and growth of spiny icefish (Chaenodraco wilsoni Regan, 1914) off Joinville-D'urville Islands (Antartic Peninsula). CCAMLR Science 16:115-130.

Laursen, T., G. R. Russ, S. J. Newman, and J. B. Higgs. 1999. Age, growth and mortality of Gymnocranius audleyi (Pisces: Lethrinidae). Asian Fisheries Science 12:187-200.
Leaman, B. M. 1991. Reproductive styles and life history variables relative to exploitation and management of Sebastes stocks. Environmental Biology of Fishes 30:253-271.

Leaman, B. M., and D. A. Nagtegaal. 1987. Age validation and revised natural mortality rate for yellowtail rockfish. Transactions of the American Fisheries Society 116:171-175.
Lehodey, P., and B. Leroy. 1999. Age and growth of yellowfin tuna (Thunnus albacares) from the western and central Pacific Ocean as indicated by daily growth increments and tagging data. SCTB12 Working Paper YFT-2. Oceanic Fisheries Programme, Secretariat of the Pacific Community, Noumea, New Caledonia. 21 p. Available at: http://www.spc.int/DigitalLibrary/Doc/FAME/Meetings/SCTB/12/YFT_2.pdf
Lek, E., D. V. Fairclough, N.G. Hall, S. A. Hesp, and I. C. Potter. 2012. Do the maximum sizes, ages and patterns of growth of three reef-dwelling labrid species at two latitudes differ in a manner conforming to the metabolic theory of ecology? Journal of Fish Biology 81: 1936-1962.

Li, X., and Y. Chen. 2009. Age structure, growth and mortality estimates of an endemic Ptychobarbus dipogon (Regan, 1905) (Cyprinidae: Schizothoracinae) in the Lhasa River, Tibet. Environmental Biology of Fishes 86:97-105.

Lin, Y. J., and W. N. Tzeng. 2009. Modelling the growth of Japanese eel Anguilla japonica in the lower reach of the Kao-Ping River, southern Taiwan: an information theory approach. Journal of Fish Biology 75:100112.

Lin, Y. J., S. L. Chang, M. Y. Chang, S. H. Lin, T. I. Chen, M. S. Su, W. C. Su, and W. N. Tzeng. 2010. Comparison of recapture rates and estimates of fishing and natural mortality rates of Japanese eel Anguilla japonica between different origins and marking methods in a mark-recapture experiment in the Kaoping River, Southern Taiwan. Zoological Studies 49:616-624.
Linkowski, T. B. 1985. Population biology of the myctophid fish Gymnoscopelus nicholsi (Gillbert, 1911) from the western South Atlantic. Journal of Fish Biology 27:683-698.
Lopez-Rivera, M., and A. M. Sabat. 2009. Effects of a marine fishery reserve and habitat characteristics in the abundance and demography of the red hind grouper, Epinephelus guttatus. Caribbean Journal of Science 45:348-362.
Lorance, P., F. Garren, and J. Vigneau. 2003. Age estimation of roundnose grenadier (Coryphaenoides rupestris), effects of uncertainties on ages. Journal of Northwest Atlantic Fishery Science 31:387-399.

Lorance, P., H. Dupouy, and V. Allain. 2001. Assessment of the roundnose grenadier (Coryphaenoides rupestris) stock in the Rockall Trough and neighbouring areas (ICES Sub-areas V-VII). Fisheries Research 51:151-163.

Love, M. S., A. Brooks, D. Busatto, J. Stephens, and P. A. Gregory. 1996. Aspects of the life histories of the kelp bass, Paralabrax clathratus, and barred sand bass, P. nebulifer, from the southern California Bight. Fishery Bulletin 94:472-481.
Macpherson, E., A. García-Rubies, and A. Gordoa. 2000. Direct estimation of natural mortality rates for littoral marine fishes using populational data from a marine reserve. Marine Biology 137:1067-1076.

Manooch, C. S., III, and G. R. Huntsman. 1977. Age, growth, and mortality of the red porgy, Pagrus pagrus. Transactions of the American Fisheries Society 106:26-33.

Manooch, C. S., III, and J. C. Potts. 1997. Age, growth and mortality of greater amberjack from the southeastern United States. Fisheries Research 30:229-240.

Mant, J. C., M. J. Moran, S. J. Newman, S. A. Hesp, N. G. Hall, and I. C. Potter. 2006. Biological characteristics and mortality of western butterfish (Pentapodus vitta), an abundant bycatch species of prawn trawling and recreational fishing in a large subtropical embayment. Fishery Bulletin 104:512-520.
Marriott, R. J., D. J. Adams, N. D. C. Jarvis, M. J. Moran, S. J. Newman, and M. Craine. 2011. Age-based demographic assessment of fished stocks of Lethrinus nebulosus in the Gascoyne Bioregion of Western Australia. Fisheries Management and Ecology 18:89-103.

Marshall, M. D., M. P. Holley, and M. J. Maceina. 2009. Assessment of the flathead catfish population in a lightly exploited fishery in Lake Wilson, Alabama. North American Journal of Fisheries Management 29:869-875.

Martell, S., I. J. Stewart, and B. M. Leaman. 2013. Optimal harvest rates for Pacific halibut. In: International Pacific Halibut Commission Report of Assessment and Research Activities 2012, pp. 207-237. IPHC, Seattle, Washington.

Massutí, E., B. Morales-Nin, and C. Stefanescu. 1995. Distribution and biology of five grenadier fish (Pisces: Macrouridae) from the upper and middle slope of the northwestern Mediterranean. Deep Sea Research Part I: Oceanographic Research Papers 42:307-330.
Mathews, C. P. 1975. Some observations on the ecology and the population dynamics of Merluccius angustimanus in the South Gulf of California. Journal of Fish Biology 7:83-94.
McMillan, P. J., I. J. Doonan, and A. C. Hart. 1997. Revision of black oreo life history parameters. New Zealand Fisheries Assessment Research Document 97/8. Ministry of Fisheries, Wellington. 13 p.
McPherson, G. R. 1992. Age and growth of the narrow-barred Spanish Mackerel (Scomberomorus commerson Lacepede, 1880) in North-eastern Queensland waters. Marine and Freshwater Research 43:1269-1282.
Meekan, M. G., J. L. Ackerman, and G. M. Wellington. 2001. Demography and age structures of coral reef damselfishes in the tropical eastern Pacific Ocean. Marine Ecology Progress Series 212:223-232.
Menon, M. D. 1950. Bionomics of the poor-cod (Gadus minutus L.) in the Plymouth area. Journal of the Marine Biological Association of the UK 29:185-239.
Miller, P. P. 1985. Life history study of the shortspine thornyhead, Sebastolobus alascanus, at Cape Ommaney, southeastern Alaska. Master's thesis. University of Alaska, Juneau, Alaska.

Mills, K., S. Chalanchuk, and D. Allan. 2002. Abundance, annual survival, and recruitment of unexploited and exploited lake charr, Salvelinus namaycush, populations at the Experimental Lakes area, Northwestern Ontario. Environmental Biology of Fishes 64:281-292.
Mitani, F., and E. Shojima. 1966. Studies on the resources of the jack mackerel, Trachurus japonicus (Temminck \& Schlegel), in the East China Sea. III. natural and fishing mortality coefficient. Bulletin of the Japanese Society of Scientific Fisheries 32:57-58.
Moore, B. R., C. A. Simpfendorfer, S. J. Newman, J. M. Stapley, Q. Allsop, M. J. Sellin, and D. J. Welch. 2012. Spatial variation in life history reveals insight into connectivity and geographic population structure of a tropical estuarine teleost: king threadfin, Polydactylus macrochir. Fisheries Research 125:214-224.
Moore, C. M., and R. F. Labisky. 1984. Population parameters of a relatively unexploited stock of snowy grouper in the lower Florida Keys. Transactions of the American Fisheries Society 113:322-329.
Moore, J. W. 1975. Distribution, movements, and mortality of anadromous arctic char, Salvelinus alpinus L., in the Cumberland Sound area of Baffin Island. Journal of Fish Biology 7:339-348.
Morrison, W. E., and D. H. Secor. 2003. Demographic attributes of yellow-phase American eels (Anguilla rostrata) in the Hudson River estuary. Canadian Journal of Fisheries and Aquatic Sciences 60:1487-1501.
Morrow, J. V., Jr., J. P. Kirk, K. J. Killgore, and S. G. George. 1998. Age, growth, and mortality of shovelnose sturgeon in the lower Mississippi River. North American Journal of Fisheries Management 18:725-730.

Mueller, K. W., N. L. Brouwer, and B. D. Congdon. 2005. Characteristics of unexploited black bass populations from a remote lake in the San Juan archipelago, Washington. Northwest Science 79:131-140.

Muller, R. 2009. Catch curves from two periods in the black grouper fishery. SEDAR19-AW-06. SEDAR, North Charleston, SC. Available at: http://www.sefsc.noaa.gov/sedar/download/SEDAR19_AW_06_BG_catch_curves.pdf?id=DOCUMENT

Munk, K. M. 2001. Maximum ages of groundfishes in waters off Alaska and British Columbia and considerations of age determination. Alaska Fishery Research Bulletin 8:12-21.
Murie, D. J., D. C. Parkyn, L. G. Nico, J. J. Herod, and W. F. Loftus. 2009. Age, differential growth and mortality rates in unexploited populations of Florida gar, an apex predator in the Florida Everglades. Fisheries Management and Ecology 16:315-322.
Murua, H. 2003. Population structure, growth and reproduction of roughhead grenadier on the Flemish Cap and Flemish Pass. Journal of Fish Biology 63:356-373.
Nakamura, T., and A. Hamano. 2009. Seasonal differences in the vertical distribution pattern of Japanese jack mackerel, Trachurus japonicus: changes according to age? ICES Journal of Marine Science 66:12891295.

Nakashima, J. 1982. On the growth and age of three populations of jack mackerel, Trachurus japonicus, in the western Seas of Japan. Bulletin of the Seikai Regional Fisheries Research Laboratory (Japan) 57:4757.

Nelson, B., and T. J. Quinn, II. 1987. Population parameters for rougheye rockfish (Sebastes aleutianus). In: Proceedings of the International Rockfish Symposium, October 1986, Anchorage, Alaska, pp. 209-228. University of Alaska, Alaska Sea Grant Report 87-2.
Nelson, W. R., and D. W. Ahrenholz. 1986. Population and fishery characteristics of Gulf menhaden, Brevoortia patronus. Fishery Bulletin 84:311-325.
Newberger, T. A., and E. D. Houde. 1995. Population biology of bay anchovy Anchoa mitchilli in the mid Chesapeake Bay. Marine Ecology Progress Series 116:25-37.
Newman, S. J. 2002a. Age, growth, mortality and population characteristics of the pearl perch, Glaucosoma buergeri Richardson 1845, from deeper continental shelf waters off the Pilbara coast of north-western Australia. Journal of Applied Ichthyology 18:95-101.
Newman, S. J. 2002b. Growth, age estimation and preliminary estimates of longevity and mortality in the moses perch, Lutjanus russelli (Indian ocean form), from continental shelf waters off north-western Australia. Asian Fisheries Science 15:283-294.
Newman, S. J. 2002c. Growth rate, age determination, natural mortality and production potential of the scarlet seaperch, Lutjanus malabaricus Schneider 1801, off the Pilbara coast of north-western Australia. Fisheries Research 58:215-225.

Newman, S. J., D. M. Williams, and G. R. Russ. 1996. Age validation, growth and mortality rates of the tropical snappers (Pisces: Lutjanidae) Lutjanus adetii (Castelnau, 1873) and L. quinquelineatus (Bloch, 1790) from the central Great Barrier Reef, Australia. Marine and Freshwater Research 47:575-584.

Newman, S. J., M. Cappo, and D. M. Williams. 2000a. Age, growth, mortality rates and corresponding yield estimates using otoliths of the tropical red snappers, Lutjanus erythropterus, L. malabaricus and L. sebae, from the central Great Barrier Reef. Fisheries Research 48:1-14.

Newman, S. J., M. Cappo, and D. M. Williams. 2000b. Age, growth and mortality of the stripey, Lutjanus carponotatus (Richardson) and the brown-stripe snapper, L. vitta (Quoy and Gaimard) from the central Great Barrier Reef, Australia. Fisheries Research 48:263-275.
Nichol, D. G. 1990. Life history examination of darkblotched rockfish (Sebastes crameri) off the Oregon coast. Master's thesis. Oregon State University, Corvallis, Oregon.
Nicholls, A. G. 1973. Growth in the Australian "salmon" Arripis trutta (Bloch \& Schneider). Australian Journal of Marine and Freshwater Research 24:159-176.

Nicholson, W. R., and W. E. Schaff. 1978. Aging of Gulf menhaden, Brevoortia patronus. Fishery Bulletin 76:315-322.

O'Connell, V., C. Brylinsky, and D. Carlile. 2002. Demersal shelf rockfish stock assessment for 2003. Regional Information Report No. 1J02-44. Alaska Department of Fish and Game, Juneau, Alaska. 48 p.
Pallaoro, A., and I. Jardas. 2003. Some biological parameters of the peacock wrasse, Symphodus (Crenilabrus) tinca (L. 1758) (Pisces: Labridae) from the middle eastern Adriatic (Croatian coast). Scientia Marina 67:33-41.
Papaconstantinou, C. 1982. Age and growth of grey gurnard (Eutrigla gurnardus) in the Pagassitikos Gulf (Greece). Investigaciona Pesquera 46:191-213.

Parsons, G. R. 1993. Age determination and growth of the bonnethead shark Sphyrna tiburo: a comparison of two populations. Marine Biology 117:23-31.
Paukert, C. P., D. W. Willis, and A. L. Glidden. 2001. Growth, condition, and mortality of black crappie, bluegill, and yellow perch in Nebraska Sand Hills lakes. Great Plains Research:261-274.
Paul, L. J., M. P. Francis, and P. L. Horn. 2000. Development of an ageing methodology, and first estimates of growth parameters and natural mortality for rubyfish (Plagiogeneion rubiginosum) off the east coast of the North Island (QMA 2). New Zealand Fisheries Assessment Report 2000/22. Ministry of Fisheries, Wellington. 28 p.
Pauly, D. 1980. On the interrelationships between natural mortality, growth parameters, and mean environmental temperature in 175 fish stocks. Journal du Conseil 39:175-192.
Pauly, D., and P. Martosubroto. 1980. The population dynamics of Nemipterus marginatus (Cuvier \& Val.) off Western Kalimantan, South China Sea. Journal of Fish Biology 17:263-273.
Pember, M. B., S. J. Newman, S. A. Hesp, G. C. Young, C. L. Skepper, N. G. Hall, and I. C. Potter. 2005. Biological parameters for managing the fisheries for blue and king threadfin salmons, estuary rockcod, Malabar grouper and mangrove jack in north-western Australia. Fisheries Research and Development Corporation Final Report No. 2002/003. Murdoch University, Murdoch, Western Australia. 176 p.
Pitt, T. K. 1967. Age and growth of American plaice (Hippoglossoides platessoides) in the Newfoundland area of the Northwest Atlantic. Journal of the Fisheries Board of Canada 24:1077-1099.

Pitt, T. K. 1973. Assessment of American plaice stocks on the Grand Bank, ICNAF Divisions 3L and 3N. ICNAF Research Bulletin 10:63-77.

Platten, J. R., I. R. Tibbetts, and M. J. Sheaves. 2002. The influence of increased line-fishing mortality on the sex ratio and age of sex reversal of the venus tusk fish. Journal of Fish Biology 60:301-318.
Potts, J. C., and C. S. Manooch, III. 2001. Differences in the age and growth of white grunt (Haemulon plumieri) from North Carolina and South Carolina compared with southeast Florida. Bulletin of Marine Science 68:1-12.

Potts, W. M., W. H. H. Sauer, A. R. Childs, and A. D. C. Duarte. 2008. Using baseline biological and ecological information to design a Traffic Light Precautionary Management Framework for leerfish Lichia amia (Linnaeus 1758) in southern Angola. African Journal of Marine Science 30:113-121.

Probst, R. T., and E. L. Cooper. 1955. Age, growth, and production of the lake sturgeon (Acipenser fulvescens) in the Lake Winnebago region, Wisconsin. Transactions of the American Fisheries Society 84:207-227.

Qasim, S. Z. 1957. The biology of Blennius pholis L. (Teleostei). Proceedings of the Zoological Society of London 128:161-208.

Rao, K. V. S. 1966. Age and growth of 'ghol', Pseudosciaena diacanthus (Lacepede) in Bombay and Saurashtra waters. Indian Journal of Fisheries 13:251-292.

Rao, K. V. S. 1968. Estimates of mortality and yield per recruit of 'ghol' Pseudosciaena diacanthus (Lacepede). Indian Journal of Fisheries 15:88-98.

Reay, P. J. 1973. Some aspects of the biology of the sandeel, Ammodytes tobianus L., in Langstone Harbour, Hampshire. Journal of the Marine Biological Association of the United Kingdom 53:325-346.
Reed, B. C., W. E. Kelso, and D. A. Rutherford. 1992. Growth, fecundity, and mortality of paddlefish in Louisiana. Transactions of the American Fisheries Society 121:378-384.

Rezende, S. M., and B. P. Ferreira. 2004. Age, growth and mortality of dog snapper Lutjanus jocu (Bloch \& Schneider, 1801) in the northeast coast of Brazil. Brazilian Journal of Oceanography 52:107-121.
Richardson, T. J. 2010. The taxonomy, life-history and population dynamics of blacktail, Diplodus capensis (Perciformes: Sparidae), in southern Angola. Master's thesis. Rhodes University, Grahamstown, South Africa.

Ricker, W. E. 1949. Mortality rates in some little-exploited populations of fresh-water fishes. Transactions of the American Fisheries Society 77:114-128.
Robertson, D. R., J. L. Ackerman, J. H. Choat, J. M. Posada, and J. Pitt. 2005. Ocean surgeonfish Acanthurus bahianus. I. The geography of demography. Marine Ecology Progress Series 295:229-244.

Rocha-Olivares, A. 1998. Age, growth, mortality, and population characteristics of the Pacific red snapper, Lutjanus peru, off the southeast coast of Baja California, Mexico. Fishery Bulletin 96:562-574.
Rodgveller, C. J., D. M. Clausen, J. J. Nagler, and C. Hutchinson. 2010. Reproductive characteristics and mortality of female giant grenadiers in the northern Pacific Ocean. Marine and Coastal Fisheries: Dynamics, Management, and Ecosystem Science 2:73-82.

Ross, J. L., and G. R. Huntsman. 1982. Age, growth, and mortality of blueline tilefish from North Carolina and South Carolina. Transactions of the American Fisheries Society 111:585-592.

Ross, J. L., T. M. Stevens, and D. S. Vaughan. 1995. Age, growth, mortality, and reproductive biology of red drums in North Carolina waters. Transactions of the American Fisheries Society 124:37-54.

Rudershausen, P. J., E. H. Williams, J. A. Buckel, J. C. Potts, and C. S. Manooch, III. 2008. Comparison of reef fish catch per unit effort and total mortality between the 1970s and 2005-2006 in Onslow Bay, North Carolina. Transactions of the American Fisheries Society 137:1389-1405.

Russ, G. R., D. C. Lou, J. B. Higgs, and B. P. Ferreira. 1998. Mortality rate of a cohort of the coral trout, Plectropomus leopardus, in zones of the Great Barrier Reef Marine Park closed to fishing. Marine and Freshwater Research 49:507-511.
S. Cossington \& I. Potter, Centre for Fish and Fisheries Research, School of Veterinary and Life Sciences, Murdoch University, 90 South Street, Perth, WA 6150, Australia

Sadovy, Y., M. Figuerola, and A. Roman. 1992. Age and growth of red hind Epinephelus guttatus in Puerto Rico and St. Thomas. Fishery Bulletin 90:516-528.
Saetersdal, G., and J. E. Valdivia. 1964. A study of growth, size and recruitment of the anchovy (Engraulis ringens J.) based on length frequency data. Instituto de Investigación de los Recursos Marinos, Boletín 1:85-136.

Sanchez, J. E. 1966. General aspects of the biology and ecology of the anchovy (Engraulis ringens). Proceedings of the Gulf and Caribbean Fisheries Institute 18:84-93.
Schaaf, W. E., and G. R. Huntsman. 1972. Effects of fishing on the Atlantic menhaden stock: 1955-1969. Transactions of the American Fisheries Society 101:290-297.

Schaefer, M. B. 1967. Dynamics of the fishery for the anchoveta Engraulis ringens, off Peru. Boletin Instituto del Mar del Peru 1:189-304.
SEDAR (Southeast Data Assessment and Review). 2003. Complete Assessment and Review Report of South Atlantic Vermillion Snapper. SEDAR17-RD01. SEDAR, North Charleston, SC. Available at: http://sedarweb.org/docs/wsupp/S17RD01\ Vermilion\ Snapper\ Assessment\ SEDAR\ 2\% 202003.pdf

SEDAR (Southeast Data Assessment and Review). 2008. Stock Assessment Report 3, South Atlantic and Gulf of Mexico Mutton Snapper. SEDAR 15A. SEDAR, North Charleston, SC. Available at: http://www.sefsc.noaa.gov/sedar/download/S15\ SAR\ 3\ Final.pdf?id=DOCUMENT

SEDAR (Southeast Data Assessment and Review). 2011. Stock Assessment Report, Gulf of Mexico Yellowedge Grouper. SEDAR 22. SEDAR, North Charleston, SC. Available at: http://sedarweb.org/docs/sar/YEG_final_SAR.pdf
Semakula, S. N., and P. A. Larkin. 1968. Age, growth, food, and yield of the white sturgeon (Acipenser transmontanus) of the Fraser River, British Columbia. Journal of the Fisheries Research Board of Canada 25:2589-2602.

Shaw, F. R., and D. R. Gunderson. 2006. Life history traits of the greenstriped rockfish, Sebastes elongatus. California Fish and Game 92:1-23.

Shlibanov, V. I. 1989. Growth and natural mortality of Patagonian rockcod (Patagonothothen guntheri shagensis) from Shag Rocks shelf. Scientific Committee for the Conservation of Antarctic Marine Living Resources Selected Scientific Papers 1989:111-121.
Shuter, B. J., M. L. Jones, R. M. Korver, and N. P. Lester. 1998. A general, life history based model for regional management of fish stocks: the inland lake trout (Salvelinus namaycush) fisheries of Ontario. Canadian Journal of Fisheries and Aquatic Sciences 55:2161-2177.
Simpfendorfer, C. A. 1993. Age and growth of the Australian sharpnose shark, Rhizoprionodon taylori, from north Queensland, Australia. Environmental Biology of Fishes 36:233-241.
Simpfendorfer, C. A. 1999. Mortality estimates and demographic analysis for the Australian sharpnose shark, Rhizoprionodon taylori, from northern Australia. Fishery Bulletin 97:978-986.
Simpson, J. G., and R. Buzeta. 1967. El crecimiento y la edad de la anchoveta (Engraulis ringens, Jenyns) en Chile, basado en estudios de frequencia de longitud. Boletin Cientifico - Instituto de Fomento Pesquero, Santiago (Chile). 53 p .
Smyly, W. J. P. 1957. The life-history of the bullhead or Miller's thumb (Cottus gobio L.). Proceedings of the Zoological Society of London 128:431-454.
Spratt, J. D. 1975. Growth rate of the northern anchovy, Engraulis mordax, in southern California waters, calculated from otoliths. California Fish and Game 61:116-126.

Stanley, C. A. 1978. Area of distribution, movements, age composition and mortality rates of the Australian salmon population in Tasmania. Australian Journal of Marine and Freshwater Research 29:417-433.
Stergiou, K. I., P. Economidis, and A. Sinis. 1992. Age, growth and mortality of red bandfish, Cepola macrophthalma (L.), in the western Aegean Sea (Greece). Journal of Fish Biology 40:395-418.
Stevens, D., M. H. Smith, P. Grimes, J. Devine, C. Sutton, D. MacGibbon, and C. Ó Maolagáin. 2010. Age, growth, and maturity of four New Zealand rattail species. New Zealand Aquatic Environment and Biodiversity Report No. 59. Ministry of Fisheries, Wellington. 39 p.
Stevens, J. D., and H. F. Hansfeld. 1982. Age determination and mortality estimates on an unexploited population of jack mackerel Trachurus declivis (Jenyns, 1841) from South-east Australia. CSIRO Marine Laboratories Report No. 148. Cronulla, New South Wales. 14 p.
Stewart, E. M. 1993. Status of black rockfish off the Northern Oregon coast in 1993. Appendices to the Status of the Pacific Coast Groundfish Fishery Through 1993 and Recommended Acceptable Biological Catches for 1994, Stock Assessment and Fishery Evaluation. Pacific Fishery Management Council, Portland, Oregon.

Svedäng, H. 1999. Vital population statistics of the exploited eel stock on the Swedish west coast. Fisheries Research 40:251-265.

Tanaka, E. 2006. Simultaneous estimation of instantaneous mortality coefficients and rate of effective survivors to number of released fish using multiple sets of tagging experiments. Fisheries Science 72:710718.

TenBrink, T. T., and K. Aydin. 2008. Life history and demographics of large sculpins. North Pacific Research Board Semiannual Progress Report (Unpublished).
Terwilliger, M. R., T. Reece, and D. F. Markle. 2010. Historic and recent age structure and growth of endangered Lost River and shortnose suckers in Upper Klamath Lake, Oregon. Environmental Biology of Fishes 89:239-252.

Thompson, R., and J. L. Munro. 1978. Aspects of the biology and ecology of Caribbean reef fishes: Serranidae (hinds and groupers). Journal of Fish Biology 12:115-146.
Tracey, D. M., K. George, and D. J. Gilbert. 2000. Estimation of age, growth, and mortality parameters of black cardinalfish (Epigonus telescopus) in QMA 2 (east coast North Island). New Zealand Fisheries Assessment Report 2000/27. Ministry of Fisheries, Wellington. 21 p.
Treasurer, J. W., R. Owen, and E. Bowers. 1992. The population dynamics of pike, Esox lucius, and perch, Perca fluviatilis, in a simple predator-prey system. Environmental Biology of Fishes 34:65-78.

Turnock, B. J., T. K. Wilderbuer, and E. S. Brown. 2003. Arrowtooth flounder. In: Stock Assessment and Fishery Evaluation Report for the Groundfish Resources of the Gulf of Alaska, pp. 369-406. North Pacific Fishery Management Council, Anchorage, Alaska.
Van Cleve, R., and S. Z. El-Sayed. 1969. Age, growth, and productivity of an English sole (Parophrys vetulus) population in Puget Sound, Washington. Pacific Marine Fisheries Commission Bulletin 7:51-71.

Vooren, C. M. 1977. Growth and mortality of tarakihi (Pisces: Cheilodactylidae) in lightly exploited populations. New Zealand Journal of Marine and Freshwater Research 11:1-22.
Wakefield, C. B., S. J. Newman, and B. W. Molony. 2010. Age-based demography and reproduction of hapuku, Polyprion oxygeneios, from the south coast of Western Australia: implications for management. ICES Journal of Marine Science 67:1164-1174.
Wallace, F. R., and J. Tagart. 1994. Status of the coastal black rockfish stocks in Washington and northern Oregon in 1994. Appendix F in Status of the Pacific coast groundfish fishery through 1994 and recommended acceptable biological catches for 1995. Pacific Fishery Management Council, Portland, OR.

Weyl, O. L. F., and A. J. Booth. 1999. On the life history of a cyprinid fish, Labeo cylindricus. Environmental Biology of Fishes 55:215-225.
Wilderbuer, T. K., and B. J. Turnock. 2009. Sex-specific natural mortality of arrowtooth flounder in Alaska: implications of a skewed sex satio on exploitation and management. North American Journal of Fisheries Management 29:306-322.

Wilkins, M. E. 1980. Size composition, age composition, and growth of chilipepper, Sebastes goodei, and bocaccio, S. paucispinis, from the 1977 rockfish survey. Marine Fisheries Review 42:48-53.

Williams, A. J., C. R. Davies, B. D. Mapstone, L. M. Currey, D. J. Welch, G. Begg, A. C. Ballagh, J. H. Choat, C. D. Murchie, and C. A. Simpfendorfer. 2009. Age-based demography of humpback grouper Cromileptes altivelis: implications for fisheries management and conservation. Endangered Species Research 9:67-79.
Williams, A. J., L. M. Currey, G. A. Begg, C. D. Murchie, and A. C. Ballagh. 2008. Population biology of coral trout species in eastern Torres Strait: implications for fishery management. Continental Shelf Research 28:2129-2142.

Wilson, C. D., and G. W. Boehlert. 1990. The effects of different otolith ageing techniques on estimates of growth and mortality for the splitnose rockfish, Sebastes diploproa, and canary rockfish, S. pinniger. California Fish and Game 76:146-160.

Winters, G. H. 1981. Growth patterns in sand lance, Ammodytes dubius, from the Grand Bank. Canadian Journal of Fisheries and Aquatic Sciences 38:841-846.

Winters, G. H. 1983. Analysis of the biological and demographic parameters of northern sand lance, Ammodytes dubius, from the Newfoundland Grand Bank. Canadian Journal of Fisheries and Aquatic Sciences 40:409-419.

Wohlschlag, D. E. 1954. Mortality rates of whitefish in an Arctic lake. Ecology 35:388-396.
Young, J. W., C. M. Bulman, S. J. M. Blaber, and S. E. Wayte. 1988. Age and growth of the lanternfish Lampanyctodes hectoris (Myctophidae) from eastern Tasmania, Australia. Marine Biology 99:569-576.
Young, P. H. 1963. The kelp bass (Paralabrax clathratus) and its fishery, 1947-1958. California Department of Fish and Game, Fish Bulletin 122. 67 p.

