## 6.0 Literature Cited

Anthony, V.C. 1991. The New England groundfish fishery after 10 years under the Magnuson Fishery Conservation and Management Act. North American Journal of Fisheries Management. 10:175-184.

Anthony, V.C. 1993. The state of groundfish resources off the northeastern United States. Fisheries (Bethesda). 18:12-17.

Anthony, V.C., and G. Waring. 1980. The assessment and management of the Georges Bank herring fishery. Rapp. P.-v Reunion Cons. int. Explor. Mer. 177:72-111.

Applegate, A., S. Cadrin, J. Hoenig, C. Moore, S. Murawski and E. Pikitch. 1998. Evaluation of existing overfishing definitions and recommendations for new overfishing definitions to comply with the Sustainable Fisheries Act. Final Report, Overfishing Definition Review Panel. New England Fishery management Council, Newburyport, Massachusetts. 179 pp.

Beverton, R. J. H., and S. J. Holt. 1957. On the dynamics of exploited fish populations. Chapman and Hall, London, Fascimile reprint 1993.

Bigelow, H.B, and Schroeder, W.C. 1953. Fishes of the Gulf of Maine. Fishery Bulletin of the Fish and Wildlife Service, No. 74, 577 pp.

Brodziak, J., P. Rago, and R. Conser. 1998. A general approach for making short-term stochastic projections from an age-structured fisheries assessment model. In F. Funk, T. Quinn II, J. Heifetz, J. Ianelli, J. Powers, J. Schweigert, P. Sullivan, and C.-I. Zhang (Eds.), *Proceedings of the International Symposium on Fishery Stock Assessment Models for the 21<sup>st</sup> Century*. Alaska Sea Grant College Program, Univ. of Alaska, Fairbanks.

Brodziak, J.T.K, W.J. Overholtz, and P.J. Rago. 2001. Does spawning stock affect recruitment of New England groundfish? Canadian Journal of Fisheries and Aquatic Sciences 58(2):306-318.

Brodziak, J. K. T., and P. J. Rago. 2002. AGEPRO Version 2.0 User's Guide. Northeast Fisheries Science Center, 166 Water Street, Woods Hole, Massachusetts, 02543, 108 pp.

Brodziak, J. 2002. In search of optimal harvest rates for west coast groundfish. N. Amer. J. Fish. Mgt. 22:258-271.

Brown, B. E., J. A. Brennan, M. D. Grosslein, E. G. Heyerdahl, and R. C. Hennemuth. 1976. The effect of fishing on the marine finfish biomass in the northwest Atlantic from the Gulf of Maine to Cape Hatteras. ICNAF Research Bulletin. 12: 49-68.

Burnham, K.P., and Anderson, D.A. 1998. Model selection and inference: A practical information theoretic approach. Springer-Verlag, New York.

Carlin, B. P., and T. A. Louis. 2000. Bayes and empirical Bayes methods for data analysis.

Chapman and Hall, New York.

Clark, C. W. 1976. Mathematical bioeconomics: the optimal management of renewable resources. Wiley-Interscience. New York

Clark, S.H., W.J. Overholtz, and R.C. Hennemuth. 1982. Review and assessment of the Georges Bank and Gulf of Maine haddock fishery. Journal of Northwest Atlantic Fishery Science 3:1-27.

Clark, W. 1991. Groundfish exploitation rates based on life history parameters. Canadian Journal of Fisheries and Aquatic Sciences 48:734-750.

Clark, W. 1993. The effect of recruitment variability on the choice of a target level of spawning biomass per recruit. University of Alaska Sea Grant College Program, Report Number 93-02:233-246.

Clark, S.H., and B.R. Brown. 1977. Changes in the biomass of fin fishes and squids from the Gulf of Maine to Cape Hatteras, 1963-1974, as determined from research vessel survey data. Fishery Bulletin. 75:1-21

Cleveland. W. S. 1993. Visualizing data. Hobart Press. Summit, New Jersey.

Crecco, V.A. 2002. Review of the SAW 33 stock assessment of Gulf of Maine Cod (memorandum from V.A. Crecco to E.M. Smith, dated 29 January, 2002). Connecticut Department of Environmental Protection, Marine Fisheries Division. 3 pp.

Department of Commerce (DOC) 1996. Magnuson-Stevens Fishery Conservation and Management Act. NOAA Technical Memorandum NMFS-F/SPO-23. 121 pp.

Department of Commerce (DOC). 1998. Magnuson-Stevens Act provisions; National standard guidelines; Final Rule. Federal Register, May 1, 1998: 24211-24237.

De Valpine, P., and A. Hastings. 2002. Fitting population models incorporating process noise and observation error. Ecological Monographs. 72:57-76.

Dorn, M. W. 2002. Advice on West Coast rockfish harvest rates from Bayesian meta-analysis of stock-recruit relationships. North American Journal of Fisheries Management 21:280-300.

Edwards, A. W. F. 1992. Likelihood. Johns Hopkins University Press, Baltimore, MD.

Fogarty, M.J., and E.B. Cohen 1991. Predation and the regulation of sand lance populations: an exploratory analysis. Multispecies models relevant to management of living resources. ICES Marine Science Symposium. 193.

Gabriel, W. L., M. P. Sissenwine, and W. J. Overholtz. 1989. Analysis of spawning stock biomass per recruit: An example for Georges Bank haddock. N. Amer. J. Fish. Mgt. 9:383-391.

Gelman, A., J. B. Carlin, H. S. Stern, and D. B. Rubin. Bayesian data analysis. Chapman and Hall, New York.

Goodall, C. 1983. M-Estimators of Location: An outline of the theory. pp. 339-403. in D. C. Hoaglin, F. Mosteller and J. W. Tukey eds. Understanding robust and exploratory data analysis. Wiley. New York. NY.

Goodyear, C. P. 1993. Spawning stock biomass per recruit in fisheries management: Foundation and current use. Pages 67-81 <u>in</u> S. J. Smith, J. J. Hunt, and D. Rivard [Editors]. Risk evaluation and biological reference points for fisheries management. Canadian Special Publication of Fisheries and Aquatic Sciences 120.

Hennemeth, R.C., and Rockwell, S. 1987. History of fisheries conservation and management. *In* Georges Bank. *Edited by* R. Backus, R. Price, and D. Bourne. MIT Press, Cambridge, MA. pp. 431-446.

Herrington, W. C. 1932. Conservation of immature fish in otter-trawling. Trans. Amer. Fish. Soc. 62:57-63.

Herrington, W. C. 1935. Modifications in gear to curtail the destruction of undersized fish in otter trawling. U.S. Department of Commerce, Bureau of Fisheries, Investigational Report No. 24, Vol. 1, 48 pp.

Hilborn, R. and C.J. Walters. 1992. Quantitative Fisheries Stock Assessment. Chapman and Hall, New York.

Hilborn, R., and M. Mangel. 1997. The ecological detective: Confronting models with data. Princeton University Press, Princeton, NJ.

Lange, A.M.T. and F. Lux. 1978. Review of the other flounder stocks (winter flounder, American plaice, witch flounder and windowpane flounder) of the Northeast United States, August 1978. NMFS Woods Hole Lab. Ref. 78-44.

Langton, R.W., and R.E. Bowman. 1980. Food of fifteen Northwest Atlantic gadiform fishes. NOAA Technical Report NMFS SSRF-740.

Link, J. 1999. (Re)Constructing food webs and managing fisheries. *In* Ecosystem approaches for fisheries management. Alaska Sea Grant College Program, AK-SG-99-01, pp. 571-588.

Link, J.S., J.K.T. Brodziak, S.F. Edwards, W.J. Overholtz, D. Mountain, J.W. Jossi, T.D. Smith, and M.J. Fogarty. 2001. Ecosystem status in the Northeast United States continental shelf ecosystem: Integration, synthesis, trends and meaning of ecosystem metrics. ICES CM 2001/T10. 41p.

Lux, F.E. 1969a. Length-weight relationships of six New England flatfishes. Trans. Am. Fish. Soc. 98(4): 617-621.

Lux, F.E. 1969b. Landings per unit of effort, age composition, and total mortality of yellowtail flounder, *Limanda ferrunginea* (Storer), off New England. ICNAF Research Bulletin. 6: 47-52.

Lux, F. E. 1970. Note on Growth of America Plaice, *Hippoglossoides platessoides* (Fabr.), in ICNAF Subarea 5. ICNAF Res. Bull. No. 7: 5-7.

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

Mace, P.M., and I. J. Doonan. 1988. A generalized bioeconomic simulation model for fish population dynamics. N. Z. Fish. Ass. Res. Doc. 88/4

Mace, P. M., and M. P. Sissenwine. 1993. How much spawning per recruit is enough? Pages 101-118 <u>in</u> S. J. Smith, J. J. Hunt, and D. Rivard [Editors]. Risk evaluation and biological reference points for fisheries management. Canadian Special Publication of Fisheries and Aquatic Sciences 120.

Manly, B. 1997. Randomization, bootstrap, and Monte Carlo methods in biology. 2<sup>nd</sup> ed. Chapman and Hall, New York.

Mayo, R.K. 1980. Exploitation of Redfish, *Sebastes marinus* (L.), in the Gulf of Maine - Georges Bank Region, with Particular Reference to the 1971 Year Class. J. Northw. Atl. Fish. Sci., Vol. 1: 21-37.

Mayo, R.K., U.B. Dozier and S.H. Clark. 1983 An assessment of the redfish, *Sebastes fasciatus*, stock in the Gulf of Maine-Georges Bank region. NMFS, Woods Hole Lab. Ref Doc. 83-22.

Mayo, R.K., J.M. McGlade and S.H. Clark. 1989. Patterns of Exploitation and Biological Status of Pollock (*Pollachius virens* L.), in the Scotian Shelf, Georges Bank, and Gulf of Maine Area. J. Northw. Atl. Fish. Sci., Vol. 9: 13-36.

Mayo, R.K. and B.F. Figuerido. 1993. Assessment of Pollock, *Pollachius virens* (L.), in Divisions 4VWX and Subareas 5 and 6, 1993. Northeast Fish. Sci. Cent. Ref. Doc. 93-13, 108 p.

Mayo, R.K., E. Thunberg, S.E. Wigley and S.X. Cadrin. 2002a. The 2001 Assessment of the Gulf of Maine cod stock. Northeast Fish. Sci. Cent. Ref. Doc. 02-02

Mayo, R.K., J.K.T. Brodziak, M. Thompson, J. Burnett, and S.X. Cadrin. 2002b. Biological Characteristics, Population Dynamics, and Current Status of Redfish, *Sebastes fasciatus* Storer, in the Gulf of Maine - Georges Bank Region. Northeast Fish. Sci. Cent. Ref. Doc. 02-xx

Mosteller, F. and J.W. Tukey. 1977. Data analysis and regression. Addison-Wesley. Reading, MA

Murawski, S.A., R. Brown, H.-L. Lai, P. J. Rago, and L. Hendrickson. 2000. Large-scale closed areas as a fishery-management tool in temperate marine systems: the Georges Bank experience.

Bulletin of Marine Science 66:775-798.

Myers, R. A., and G. Mertz. 1998. Reducing uncertainty in the biological basis of fisheries management by meta-analysis of data from many populations: a synthesis. Fisheries Research 37: 51-60.

Myers, R.A., K.G. Bowen, and N.J. Bowerman. 1999. Maximum reproductive rate of fish at low population sizes. Canadian Journal of Fisheries and Aquatic Sciences 56: 2404-2419.

NEFSC [Northeast Fisheries Science Center]. 1990. Report of the Eleventh Stock Assessment Workshop (11th SAW), Fall 1990. Woods Hole, MA: NOAA/NMFS/NEFC. NEFC Ref. Doc. 90-09.

NEFSC. 1991. Status of the fishery resources off the Northeastern United States. NOAA Technical memorandum NMFS-F/NEC-86.

NEFSC (Northeast Fisheries Science Center). 1993a. Report of the 16<sup>th</sup> Northeast Regional Stock Assessment Workshop (16<sup>th</sup> SAW). Stock Assessment Review Committee (SARC) Consensus Summary of Assessments. Northeast Fish. Sci. Cent. Ref. Doc. 93-18, 118p..

NEFSC (Northeast Fisheries Science Center). 1993b. Report of the 16<sup>th</sup> Northeast Regional Stock Assessment Workshop (16<sup>th</sup> SAW). The Plenary. Northeast Fish. Sci. Cent. Ref. Doc. 93-19, 57p.

NEFSC (Northeast Fisheries Science Center). 1999a. 28th Northeast Regional Stock Assessment Workshop (28th SAW). Stock Assessment Review Committee (SARC) Consensus Summary of Assessments. Northeast Fish. Sci. Cent. Ref. Doc. 99-08, 304p.

NEFSC [Northeast Fisheries Science Center]. 1999b. Report of the 29<sup>th</sup> Northeast Regional Stock Assessment Workshop (29th SAW), Stock Assessment Review Committee (SARC) consensus summary of assessments. Northeast Fish. Sci. Cent. Ref. Doc. 99-14, 347 p.

NEFSC (Northeast Fisheries Science Center) 2000a. Assessment of 11 Northeast Groundfish Stocks through 1999. A Report of the Northern Demersal Working Group, Northeast Regional Stock Assessment Workshop. Northeast Fish. Sci. Cent. Ref. Doc. 00-05, 175 p.

NEFSC. 2000b. D. Atlantic Mackerel. 30<sup>th</sup> Northeast Regional Stock Assessment Workshop (30<sup>th</sup> SAW) Stock assessment review committee (SARC) consensus summary of assessments. Northeast Fisheries Science Center Reference Document 00-03.

NEFSC (Northeast Fisheries Science Center). 2001a. Assessment of 19 Northeast Groundfish Stocks through 2000. Northern Demersal and Southern Demersal Working Groups, Northeast Regional Stock Assessment Workshop. Northeast Fish. Sci. Cent. Ref. Doc. 01-20, 217p.

NEFSC (Northeast Fisheries Science Center). 2001b. Report of the 32<sup>nd</sup> Northeast Regional Stock Assessment Workshop (32<sup>nd</sup> SAW). Stock Assessment Review Committee (SARC) Consensus

Summary of Assessments. Northeast Fish. Sci. Cent. Ref. Doc. 01-05, 289p.

NEFSC (Northeast Fisheries Science Center). 2001c. Report of the 33<sup>rd</sup> Northeast Regional Stock Assessment Workshop (33<sup>rd</sup> SAW). Stock Assessment Review Committee (SARC) Consensus Summary of Assessments. Northeast Fish. Sci. Cent. Ref. Doc. 01-18.

NEFSC (Northeast Fisheries Science Center) 2001d. TRAC Advisory Report on Stock Status. Report of the 4<sup>th</sup> Meeting of the Transboundary Resources Assessment Committee (TRAC), St. Andrews Biological Station, St. Andrews, New Brunswick, April 17-20, 2001. Northeast Fish. Sci. Cent. Ref. Doc. 01-08, 18p

NEFSC. 2001e. Status of the fishery resources off the Northeastern United States. NEFSC Web site Page 2001.

NEFSC (Northeast Fisheries Science Center) 2002. 34<sup>th</sup> Northeast Regional Stock Assessment Workshop (34<sup>th</sup> SAW). Northeast Fish. Sci. Cent. Ref. Doc. 02-x (in press).

Neilson, J., P. Perley and C. Nelson. 1999. The 1999 Assessment of Pollock (*Pollachius virens*) in NAFO Divisions 4VWX and Subdivision 5Zc. DFO Can. Stock Assess. Sec. Res. Doc. 99/160, 77p.

New England Fishery Management Council. 2000. Report of the Groundfish Overfishing Definition Committee. New England Fishery Management Council, Newburyport, Massachusetts. 110 pp.

New England Fishery Management Council [NEFMC]. 1998. Evaluation of existing overfishing definitions and recommendations for new overfishing definitions to comply with the Sustainable Fisheries Act. NEFMC, 50 Water Street, Mill 2 Newburyport, MA 01950.

New England Fishery Management Council (NEFMC). 2000. Report of the Groundfish Overfishing Definition Committee. NEFMC Report.

National Research Council (NRC). 1998a. Improving Fish Stock Assessments. National Academy Press, Washington, DC.

National Research Council (NRC). 1998b. Review of Northeast fishery stock assessments. National Academy Press, Washington, DC 128 pp.

O'Brien, L. and C. Esteves. 2001. Update Assessment of American plaice in the Gulf of Maine-Georges Bank region for 2000. NEFSC Ref. Doc. 01-02, 144 p.

O'Brien, L. and Nancy J. Munroe. 2001. Assessment of the Georges Bank Atlantic Cod stock for 2001. NEFSC Res. Doc. 01-10, 126 p.

Otter Research Ltd. 2001. An introduction to AD Model Builder 6.0.2 for use in nonlinear modeling and statistics. Otter Research Ltd., Box 2040, Sidney, British Columbia, V8L 3S3,

Canada.

Overholtz, W.J., S.F. Edwards, and J.KT. Brodziak. 1995. Effort control in the New England groundfish fishery: a bioeconomic perspective. Canadian Journal of Fisheries and Aquatic Sciences. 52:1944-1957.

Overholtz, W.J., J.S. link, and L.E. Suslowicz. 2000. Consumption of important pelagic fish and squid by predatory fish in the northeastern USA shelf ecosystem with some fishery comparisons. ICES Journal of Marine Science. 57:1147-1159.

Ricker, W. E. 1954. Stock and recruitment. Can. J. Fish. Res. Board. Can. 11:559-623.

Prager, M.H. 1994. A suite of extensions to a nonequilibrium surplus-production model. Fish. Bull. 92: 374-389.

Prager, M.H. 1995. User's manual for ASPIC: a stock production model incorporating covariates. SEFSC Lab. Doc. MIA-92/93-55.

Premetz, E. D., R. L. Cory, J. W. McKee, and C. Slater. 1954. Destruction of undersized haddock on Georges Bank, 1952. U.S. Department of the Interior, Fish and Wildlife Service, Special Scientific Report, Fisheries No. 129, 34 pp.

Punt,, A. E., and R. Hilborn. 1997. Fisheries stock assessment and decision analysis: the Bayesian approach. Rev. Fish. Biol. Fisheries. 7:35-63.

Quinn, T. J., II, and R. B. Deriso. 1998. Quantitative fish dynamics. Oxford University Press, Oxford, U.K.

Restrepo, V.R., G.G. Thompson, P.M. Mace, W.L. Gabriel, L.L. Low, A.D. MacCall, R.D. Mehot, J.E. Powers, B.L. Taylor, P.R. Wade and J.F. Witzig. 1998. Technical guidance on the use of precautionary approaches to implementing National Standard 1 of the Magnuson-Stevens Fishery Conservation and management Act. NOAA Technical memorandum NMFS-F/SPO-31 54 pp.

Rosenberg, A. P. Mace, G. Thompson, G. Darcy, W. Clark, J. Collie, W. Gabriel, A. MacCall, R. Methot, J. Powers, V. Restrepo, T. Wainwright, L. Botsford, J. Hoenig, and K. Stokes. 1994. Scientific review of definitions of overfishing in U.S. fishery management plans. NOAA Tech. Mem. NMFS-F/SPO-17.

Schnute, J. T., and L. J. Richards. 2001. Use and abuse of fishery models. Can. J. Fish. Aquat. Sci. 58:10-17.

Seber, G. A. F., and C. J. Wild. 1989. Nonlinear regression. John Wiley & Sons, New York.

Serchuk, F.M. and S.E. Wigley. 1992. Assessment and management of the Georges Bank cod fishery: an historical review and evaluation. J. Northw. Atl. Fish. Sci. Vol.13: 25-52.

Sissenwine, M. P., and J. G. Shepherd. 1987. An alternative perspective on recruitment overfishing and biological reference points. Can. J. Fish. Aquat. Sci. 44:913-918.

Stock Assessment Review Committee (SARC). 2001. Gulf of Maine cod pp. 7-99 in: 33<sup>rd</sup> Northeast Regional Stock Assessment Workshop (33<sup>rd</sup> SAW) Northeast Fisheries Science Center Reference Document.

Stone, H., C. Legault, S. Cadrin, S. Gavaris, J. Neilson and P. Perley. 2001. Stock assessment of Georges Bank (5Zjmnh) yellowtail flounder for 2001. Canadian Science Advisory Secretariat Research Doc. 2001/068. 87 p.

Sullivan, L.F. 1981. American plaice, *Hippoglossoides platessoides*, in the Gulf of Maine. Univ. Rhode Island, Master's Thesis 132 p.

Thompson, G. G. 1993. A proposal for a threshold stock size and maximum fishing mortality rate. Pages 303-320 <u>in</u> S. J. Smith, J. J. Hunt, and D. Rivard [Editors]. Risk evaluation and biological reference points for fisheries management. Canadian Special Publication of Fisheries and Aquatic Sciences 120.

Thompson, W.F. and F.H. Bell. 1934. Biological statistics of the Pacific halibut fishery. 2. Effect of changes in intensity upon total yield and yield per unit of gear. Rep. Int. Fish. (Pacific Halibut) Comm. 8: 49p.

Sigourney, D.B. 2002 MS. Age and growth, sexual maturity and distribution of the Atlantic halibut (*Hippoglossus hippoglossus* L.) in the Gulf of Maine-Georges Bank region. University of Massachusetts, Amherst, Ma. M.Sc. Thesis *In prep*.

Walters, C., and J. Korman. 1999. Linking recruitment to trophic factors: revising the Beverton-Holt recruitment model from a life history and multispecies perspective. Reviews in Fish Biology and Fisheries 9:187-202.

Wigley, S.E., J. K.T. Brodziak, and S.X. Cadrin. 1999. Assessment of the witch flounder stock in Subareas 5 and 6 for 1999. Northeast Fish. Sci. Cent. Ref. Doc. 99-16, 153 p.

Wise, J.P., and Jensen, A.C. 1959. Movement of tagged halibut off New England. Trans. Amer. Fish. Soc. 88:357-358.