

## **Annex 2: Bibliography – references on the Workshop CD, plus additional suggestions.**

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A CD containing a variety of core tagging references of relevance to this workshop was distributed to all attendees at the start of the meeting. The references (primarily PDF files) were organized within the following folders: Brownie et al 85; fw663 (Colorado State University course notes); Growth; LargeStudies; Migration; Processes and Telemetry; ProgramMark; ProgramSurph; and Reviews.

In addition, two Microsoft Word documents were added, each with lists of additional recommendations: “VariousLinks.doc” lists relevant websites and online course notes, while “Some references on tagging models.doc”, contains literature recommended by Dr. John Hoenig.

The bibliography below includes all references from the CD, but also includes literature which was recommended by Dr. Alistair Hobday after the meeting for its relevance to discussions which had taken place; these references (\*) are not on the CD.

Please note that all references should be cited appropriately when used.

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- Arrizabalaga, H., López Rodas, V., Costas, E. & González-Garcés, A., (2003). Estimating Albacore movement rates between the North Atlantic and the Mediterranean from conventional tagging data. *Collective Volume of Scientific Papers (ICAAAT)*, **55**: 280-291.
- Barker, R.J. & White, G.C., (2001). Joint analysis of live and dead encounters of marked animals. In, *Proceedings of the 2nd International Wildlife Management Congress*, Godollo, Hungary: 361-367.
- Brooks, E.N., Pollock, K.H., Hoenig, J.M. & Hearn, W.S., (1998). Estimation of fishing and natural mortality from tagging studies on fisheries with two user groups. *Canadian Journal of Fisheries and Aquatic Sciences*, **55**: 2001-2010.
- Brooks, S.P., Catchpole, E.A., Coulson, T., Lebreton, J.-D. & Morgan, B.J.T., (In review). Recent progress in using marked individuals to understand animal population biology..
- Brownie, C., Anderson, D.R., Burnham, K.P. & Robson, D.S., (1985). *Statistical inference from band recovery data: a handbook*. Resource Publication No. 156, 2nd ed. U.S. Fish and Wildlife Services, Washington DC: 305 pp.
- Brownie, C., Hines, E.J., Nichols, J.D., Pollock, K.H. & Hestbeck, J.B., (1993). Capture-recapture studies for multiple strata including non-Markovian transitions. *Biometrics*, **49**: 1173-1187.
- CATAG, (1997-2004). Concerted Action for Tagging of Fishes. Marine Research Institute, Iceland (supported by the European Commission), <http://www.hafro.is/catag/>. Last accessed: Tuesday 21 December, 2004.
- \* Comeau, L.A., Campana, S.E. & Castonguay, M., (2002). Automated monitoring of a large-scale cod (*Gadus morhua*) migration in the open sea. *Canadian Journal of Fisheries and Aquatic Sciences*, **59**: 1845-1850.
- Cooch, E. & White, G.C., (2004). *Program MARK: Analysis of data from marked individuals - A gentle introduction*, 3rd Edition. Available online at: <http://www.phidot.org/software/mark/docs/book/>;: 308 pp.

- Dempson, J.B., Schwarz, C.J., Reddin, D.G., O'Connell, M.F., Mullins, C.C. & Bourgeois, C.E., (2001). Estimation of marine exploitation rates on Atlantic salmon (*Salmo salar* L.) stocks in Newfoundland, Canada. *ICES Journal of Marine Science*, **58**: 331-341.
- Dorazio, R.M., Hattala, K.A., McCollough, C.B. & Skjveland, J.E., (1994). Tag recovery estimates of migration of striped bass from spawning areas of the Chesapeake Bay. *Transactions of the American Fisheries Society*, **123**: 950-963.
- Fabrizio, M.C., Dorazio, R.M. & Schram, S.T., (2000). Dynamics of individual growth in a recovering population of lake trout (*Salvelinus namaycush*). *Canadian Journal of Fisheries and Aquatic Sciences*, **58**: 262-272.
- Frusher, S.D. & Hoenig, J.M., (2003). Recent developments in estimating fishing and natural mortality and tag reporting rate of lobsters using multi-year tagging models. *Fisheries Research*, **65**: 1-3.
- Gaertner, D. & Hallier, J.-P., (2003). Estimate of natural mortality of Bigeye tuna (*Thunnus obesus*) in the Eastern Atlantic from a tag attrition model. *Collective Volume of Scientific Papers (ICAAAT)*, **55**: 1868-1879.
- Goñi, R., Harmelin-Vivien, M., Badalamenti, F., Le Diréach, L. & Bernard, G., (Eds.), (2000). *Introductory guide to methods for selected ecological studies in marine reserves*. GIS Posidonie, France: 120 pp.
- \* Gunn, J.S., (1999). From plastic darts to pop-up satellite tags. In, Hancock, D.A., Smith, D.C. & Koehn, J.D., (Eds.), *From plastic darts to pop-up satellite tags*, Australian Society for Fish Biology, Bendigo, Victoria: 55-60.
- \* Hartill, B.W., Morrison, M.A., Smith, M.D., Boubée, J. & Parsons, D.M., (2003). Diurnal and tidal movements of snapper (*Pagrus auratus*, Sparidae) in an estuarine environment. *Marine and Freshwater Research*, **54**: 931-940.
- Hearn, W.S., Hoenig, J.M., Pollock, K.H. & Hepworth, D.A., (2003). Tag reporting rate estimation: 3. Use of planted tags in one component of a multicomponent fishery. *North American Journal of Fisheries Management*, **23**: 66-77.
- Heifetz, J. & Maloney, N.E., (2001). Estimation of tag-reporting rates for sablefish in the Northeastern Pacific Ocean. *Alaska Fishery Research Bulletin*, **8**: 1-11.
- Hestbeck, J.B., Nichols, J.D. & Malecki, R.A., (1991). Estimates of movement and site fidelity using mark-resight data of wintering Canada geese. *Ecology*, **72**: 523-533.
- Hightower, J.E., Jackson, J.R. & Pollock, K.H., (2001). Use of telemetry methods to estimate natural and fishing mortality of striped bass in Lake Gaston, North Carolina. *Transactions of the American Fisheries Society*, **130**: 557-567.
- Hockersmith, E.E., Muir, W.D., Smith, S.G., Sandford, B.P., Adams, N.S., Plumb, J.M., Perry, R.W. & Rondorf, D.W., (2000). Comparative performance of sham radio-tagged and PIT-tagged juvenile salmon. Prepared for the US Army Corps of Engineers, Walla Walla District by the Fish Ecology Division, Northwest Fisheries Science Center, National Marine Fisheries Service, WA and the U.S. Geological Survey, Biological Resources Division, Western Fisheries Research Center, Columbia River Research Laboratory, Cook, WA. Contract # W66QKZ91521282., Washington: 29 pp.
- Hoenig, J.M., Barrowman, N.J., Hearn, W.S. & Pollock, K.H., (1998a). Multiyear tagging studies incorporating fishing effort data. *Canadian Journal of Fisheries and Aquatic Sciences*, **55**: 1466-1476.

- Hoenig, J.M., Barrowman, N.J., Pollock, K.H., Brooks, E.N., Hearn, W.S. & Polacheck, T., (1998b). Models for tagging data that allow for incomplete mixing of newly tagged animals. *Canadian Journal of Fisheries and Aquatic Sciences*, **55**: 1477-1483.
- Hunt, J.J., Stobo, W.T. & Almeida, F., (1999). Movement of Atlantic cod, *Gadus morhua*, tagged in the Gulf of Maine area. *Fishery Bulletin*, **97**: 842-860.
- Ísaksson, Á., Óskarsson, S. & Guðjónsson, P., (2002). Occurrence of tagged Icelandic salmon in the salmon fisheries at West Greenland and within the Faroese fishing zone 1967 through 1995 and its inference regarding the oceanic migration of salmon from different areas of Iceland. *International Council for the Exploration of the Sea, North Atlantic Salmon Working Group, Working paper 2002/22*: 6 pp.
- Jonsen, I.D., Myers, R.A. & Mills Flemming, J., (2003). Meta-analysis of animal movement using state-space models. *Ecology*, **84**: 3055-3063.
- Kaimmer, S.M., (2000). Pacific halibut release programs and tag release and recovery data 1925 through 1998. *Technical Report, International Pacific Halibut Commission*. International Pacific Halibut Commission, Seattle, WA, **No. 41**: 32 pp.
- Latour, R.J., Hoenig, J.M., Olney, J.E. & Pollock, K.H., (2001a). A simple test for nonmixing in multi-year tagging studies: application to Striped bass (*Morone saxatilis*) tagged in the Rappahannock River, Virginia. *Transactions of the American Fisheries Society*, **130**: 848-856.
- Latour, R.J., Hoenig, J.M. & Pollock, K.H., (2002). Properties of the residuals from two tag-recovery models. *Fishery Bulletin*, **100**: 856-860.
- Latour, R.J., Pollock, K.H., Wenner, C.A. & Hoenig, J.M., (2001b). Estimates of fishing and natural mortality for subadult Red drum in South Carolina waters. *North American Journal of Fisheries Management*, **21**: 733-744.
- Lebreton, J.-D., Burnham, K.P., Clobert, J. & Anderson, D.R., (1992). Modeling survival and testing biological hypotheses using marked animals: a unified approach with case studies. *Ecological Monographs*, **62**: 67-118.
- Lucas, M.C. & Baras, E., (2000). Methods for studying spatial behaviour of freshwater fishes in the natural environment. *Fish and Fisheries*, **1**: 283-316.
- Lux, F.E., (1963). Identification of New England yellowtail flounder groups. *Fishery Bulletin*, **63**: 1-10.
- McGarvey, R., (2004). Estimating the emigration rate of fish stocks from marine sanctuaries using tag-recovery data. *Fishery Bulletin*, **102**: 464-472.
- Millsbaugh, J.J. & Marzluff, J., (Eds.), (2001). *Radio Tracking and Animal Populations*. Academic Press, San Diego, CA: 474 pp.
- \* Musyl, M.K., Brill, R.W., Curran, D.S., Gunn, J.S., Hartog, J.R., Hill, R.D., Welch, D.W., Eveson, J.P., Boggs, C.H. & Brainard, R.E., (2001). Ability of archival tags to provide estimates of geographical position based on light intensity. In: Sibert, J.R. & Nielsen, J.L., (Eds.), *Electronic Tagging and Tracking in Marine Fisheries*. Kluwer Academic Publishers, London: 343-367.
- Myers, R.A. & Hoenig, J.M., (1997). Direct estimates of gear selectivity from multiple tagging experiments. *Canadian Journal of Fisheries and Aquatic Sciences*, **54**: 1-9.
- Parker, S.J., Schwartz, C.J. & Skalski, J.R., (2002). Technician review of the proposed PIT-Tag marking experiment. *IPCH Report of Assessment and Research Activities 2002*. Prepared for the International Pacific Halibut Commission, Seattle, WA: 289-312.
- Perez-Comas, J.A. & Skalski, J.R., (1999). Analysis of in-river growth for PIT-tagged spring Chinook smolt. Technical Report 1999, Report to Bonneville Power Administration, Contract No.

1990BI02341, Project No. 1998910700 (BPA Report DOE/BP -02341 -12). Center for Quantitative Science School of Fisheries, University of Washington, Portland, OR. *BPA Technical Report Series, the Design and Analysis of Salmonid Tagging Studies in the Columbia Basin*, **Vol. V**: 56 pp.

- Pine, W.E., Pollock, K.H., Hightower, J.E., Kwak, T.J. & Rice, J.A., (2003). A review of tagging methods for estimating fish population size and components of mortality. *Fisheries Research*, **28**: 10-23.
- Pollock, K.H., Chen, H., Brownie, C. & Kendall, W.L., (1998). Age dependent tag recovery analyses of Pacific halibut data. *Technical Report, International Pacific Halibut Commission*. International Pacific Halibut Commission, Seattle, WA, **No. 38**: 38 pp.
- Pollock, K.H., Hearn, W.S. & Polacheck, T., (2002a). A general model for tagging on multiple component fisheries: an integration of age-dependent reporting rates and mortality estimation. *Environmental and Ecological Statistics*, **9**: 57-69.
- Pollock, K.H., Hoenig, J.M., Hearn, W.S. & Calingaert, B., (2001). Tag reporting rate estimation: 1. An evaluation of the high-reward tagging method. *North American Journal of Fisheries Management*, **21**: 521-532.
- Pollock, K.H., Hoenig, J.M., Hearn, W.S. & Calingaert, B., (2002b). Tag reporting rate estimation: 2. An evaluation of the high-reward tagging method. *North American Journal of Fisheries Management*, **22**: 727-736.
- Pollock, K.H., Jiang, H. & Hightower, J.E., (2004). Combining telemetry and fisheries tagging models to estimate fishing and natural mortality rates. *Transactions of the American Fisheries Society*, **133**: 639-648.
- \* Polovina, J.J., (1996). Decadal variation in the trans-Pacific migration of northern Bluefin tuna (*Thunnus thynnus*) coherent with climate-induced change in prey abundance. *Fisheries Oceanography*, **5**: 114-119.
- Royce, W.F., Buller, R.J. & Premetz, E.D., (1959). Decline of the yellowtail flounder (*Limanda ferruginea*) off New England. *Fishery Bulletin*, **59**: 169-267.
- SBTC, (2003). 2003 Atlantic striped bass advisory report: Catch-at-age based VPA & tag release/recovery based survival estimation. Prepared by the Striped Bass Technical Committee for the Atlantic Striped Bass Management Board, **Report #2003-03**: 88 pp.
- Schwarz, C.J., (2001). The Jolly-Seber model: more than just abundance. *Journal of Agricultural, Biological and Environmental Statistics*, **6**: 195-205.
- Schwarz, C.J., (2002). Real and quasi-experiments in capture-recapture studies. *Journal of Applied Statistics*, **29**: 459-474.
- Schwarz, C.J., Andrews, M. & Link, M.R., (1999). The stratified Peterson estimator with a known number of unestimated tags. *Biometrics*, **55**: 1014-1021.
- Schwarz, C.J. & Arnason, A.N., (1996). A general methodology for the analysis of capture-recapture experiments in open populations. *Biometrics*, **52**: 860-873.
- Schwarz, C.J., Schweigert, J.F. & Arnason, A.N., (1993). Estimating migration rates using tag-recovery data. *Biometrics*, **49**: 177-193.
- Schwarz, C.J. & Seber, G.A.F., (1999). A review of estimating animal abundance III. *Statistical Science*, **14**: 427-456.
- Schwarz, C.J. & Stobo, W.T., (1997). Estimating temporary migration using the robust design. *Biometrics*, **53**: 178-194.

- Schwarz, C.J. & Stobo, W.T., (1999). Estimation and effects of tag-misread rates in capture-recapture studies. *Canadian Journal of Fisheries and Aquatic Sciences*, **56**: 551-559.
- Schwarz, C.J. & Taylor, C.J., (1998). Use of the stratified-Petersen estimator in fisheries management: estimating the number of pink salmon (*Oncorhynchus gorbuscha*) spawners in the Fraser River., **55**: 281-296.
- Seber, G.A.F. & Schwarz, C.J., (2000). Capture-Recapture: Before and after EURING. Presented at the EURING Meeting, at Pt. Reyes Bird Laboratory, California: 28 pp.
- Seitz, A., Wilson, D. & Nielsen, J.L., (2002). Testing pop-up satellite tags as a tool for identifying critical habitat for pacific halibut (*Hippoglossus stenolepis*) in the Gulf of Alaska. *Exxon Valdez Oil Spill Restoration Project Final Report (Restoration Project 01478)*. U.S. Geological Survey, Alaska Biological Science Center, Anchorage, Alaska: 43 pp.
- Seitz, A., Wilson, D., Norcross, B.L. & Nielsen, J.L., (2003). Pop-up archival transmitting (PAT) tags: A method to investigate the migration and behavior of Pacific Halibut *Hippoglossus stenolepis* in the Gulf of Alaska. *Alaska Fishery Research Bulletin*, **10**: 124-136.
- Sibert, J.R., (2001). Integrated statistical models of tuna movement in relation to fish attractors. Technical Session and Panel, Deep Rigs and FADs, AFS Southern Division Midyear Meeting, Jacksonville, FL, February 22 – 25, 2001, Jacksonville, FL: 4 pp.
- Sibert, J.R., Hampton, J., Fournier, D.A. & Bills, P.J., (1999). An advection-diffusion-reaction model for the estimation of fish movement parameters from tagging data, with application to skipjack tuna (*Katsuwonus pelamis*). *Canadian Journal of Fisheries and Aquatic Sciences*, **56**: 925-938.
- Simpfendorfer, C., Bonfil, R. & Latour, R.J., (2004). Mortality estimation. In, Musick, J.A. & Bonfil, R., (Eds.), *Elasmobranch Fisheries Management Techniques*. The IUCN Shark Specialist Group and the Asia Pacific Economic Cooperation (APEC): 165-185.
- \* Simpfordorfer, C.A., Heupel, M.R. & Hueter, R.E., (2002). Estimation of short-term centers of activity from an array of omnidirectional hydrophones and its use in studying animal movements. *Canadian Journal of Fisheries and Aquatic Sciences*, **59**: 23-32.
- Skalski, J.R., Townsend, R., Lady, J., Giorgi, A.E., Stevenson, J.R. & McDonald, R.D., (2002). Estimating route-specific passage and survival probabilities at a hydroelectric project from smolt radiotelemetry studies. *Canadian Journal of Fisheries and Aquatic Sciences*, **59**: 1385-1393.
- Skalski, J.R., Townsend, R.L., Giorgi, A.E. & Stevenson, J.R., (1998). Recommendations on the design and analysis of radiotelemetry studies of salmonid smolts to estimate survival and passage efficiencies. Technical Report (DOE/BP-02341-9) to Bonneville Power Administration, Portland, OR, Contract DE-BI79-90BP02341, Project 89-107-00 (BPA Report DOE/BP-02341-9). Center for Quantitative Science School of Fisheries, University of Washington, Portland, OR. *BPA Technical Report Series, the Design and Analysis of Salmonid Tagging Studies in the Columbia Basin*, **Vol. XI**: 44 pp.
- Skud, B.E., (1977). Drift, migration, intermingling of Pacific halibut stocks. *Scientific Report, International Pacific Halibut Commission*. International Pacific Halibut Commission, Seattle, WA, **No. 63**: 42 pp.
- Smith, D.R., Burnham, K.P., Kahn, D.M., He, X., Goshorn, C.J., Hattala, K.A. & Kahnle, A.W., (2000). Bias in survival estimates from tag-recovery models where catch-and-release is common, with an example from Atlantic striped bass (*Morone saxatilis*). *Canadian Journal of Fisheries and Aquatic Sciences*, **57**: 886-897.
- Smith, S.G., Skalski, J.R., Schlechte, J., Hoffmann, A. & Cassen, V., (1994). Statistical survival analysis of fish and wildlife tagging studies. Technical Report (DOE/BP-02341-3) to Bonneville Power

Administration, Portland, OR, Project 89-107-00 (BPA Report DOE/BP-02341-3). Center for Quantitative Science School of Fisheries, University of Washington, Portland, OR. *BPA Technical Report Series, the Design and Analysis of Salmonid Tagging Studies in the Columbia Basin*: 543 pp.

- Sullivan, P.J., Geenaert, O.T., St-Pierre, G. & Kaimmer, S.M., (1993). Mark-recapture methods for Pacific halibut assessment: a feasibility study conducted off the central coast of Oregon (No.76) and Further studies of area differences in setline catchability of Pacific halibut (No.77). International Pacific Halibut Commission, Seattle, WA, **76 & 77 (combined)**: 38 pp.
- Sutherland, J.M., (2003). Multi-list methods in closed populations with stratified or incomplete information. Thesis submitted for Doctor of Philosophy, Department of Statistics and Actuarial Science, Simon Fraser University, Burnaby, B.C., Canada: 123 pp.
- Thorsteinssen, V., (2002). Tagging methods for stock assessment and research in fisheries. Report of Concerted Action FAIR CT.96.1394 (CATAG), Reykjavik. *Marine Research Institute Technical Report*, **79**: 179 pp.
- \* Voegeli, F.A., Smale, M.J., Webber, D.M., Andrade, Y. & O'Dor, R.K., (2001). Ultrasonic Telemetry, Tracking and Automated Monitoring Technology for Sharks. *Environmental Biology of Fishes*, **60**: 267-281.
- \* Walker, R.V., Myers, K.W., Davis, N.D., Aydin, K.Y., Friedland, K.D., Carlson, H.R., Boehlert, G.W., Urawa, S., Ueno, Y. & Anma, G., (2000). Diurnal variation in thermal environment experienced by salmonids in the North Pacific as indicated by data storage tags. *Fisheries Oceanography*, **9**: 171-186.
- Wang, Y.-G., (2004). Estimation of growth parameters from multiple-recapture data. *Biometrics*, **60**: 670-675.
- \* Welch, D.W. & Eveson, J.P., (1999). An assessment of light-based geolocation estimates from archival tags. *Canadian Journal of Fisheries and Aquatic Sciences*, **56**: 1317-1327.
- Welsh, S.A., Kahnle, A.W., Versak, B.A. & Latour, R.J., (2003). Use of tag data to compare growth rates of Atlantic coast striped bass stocks. *Fisheries Management and Ecology*, **10**: 289-294.
- White, G.C. & Burnham, K.P., (1997). Program MARK: Survival Estimation from Populations of Marked Animals. *Bird Study*, **46 (Supplement)**: 120-138.
- White, G.C., Burnham, K.P. & Anderson, D.R., (2001). Advanced features of Program MARK. In, Field, R., Warren, R.J., Okarma, H. & Sievert, P.S., (Eds.), *Wildlife, land and people: priorities for the 21st Century. Proceedings of the Second International Wildlife Management Congress*. The Wildlife Society, Bethesda, Maryland, USA: 368-377.
- Wise, J.P., (1963). Cod groups in the New England Area. *Fishery Bulletin*, **63**: 189-203.