

## Fishery Bulletin Index

Volume 108(1–4), 2010

### List of titles

#### 108(1)

- 1 A modeling approach to identify optimal habitat and suitable fishing grounds for neon flying squid (*Ommastrephes bartramii*) in the Northwest Pacific Ocean, by Xinjun Chen, Siquan Tian, Yong Chen, and Bilin Liu
- 15 Statistical inference about the relative efficiency of a new survey protocol, based on paired-tow survey calibration data, by Noel G. Cadigan and Jeff J. Dowden
- 30 Effects of trawling for ocean shrimp (*Pandalus jordani*) on macroinvertebrate abundance and diversity at four sites near Nehalem Bank, Oregon, by Robert W. Hannah, Stephen A. Jones, William Miller, and Jayme S. Knight
- 39 Evaluation of the capture efficiency and size selectivity of four pot types in the prospective fishery for North Pacific giant octopus (*Enteroctopus dofleini*), by Patrick D. Barry, Sherry L. Tamone, and David A. Tallmon
- 45 Larval development of the spotfin tonguefish (*Symphurus oligomerus* Mahadeva and Munroe, 1990) (Pleuronectiformes: Cynoglossidae) from the Gulf of California, Mexico, by Ricardo J. Saldierna-Martínez, Gerardo Aceves-Medina, and Enrique A. González-Navarro
- 56 Feeding ecology of Atlantic bluefin tuna (*Thunnus thynnus*) in North Carolina: diet, daily ration, and consumption of Atlantic menhaden (*Brevoortia tyrannus*), by Christopher M. Butler, Paul J. Ruderhausen, and Jeffrey A. Buckel
- 70 Maturity and growth of female dusky rockfish (*Sebastes variabilis*) in the central Gulf of Alaska, by Elizabeth A. Chilton
- 79 Environmental characterization of seasonal trends and foraging habitat of bottlenose dolphins (*Tursiops truncatus*) in northern Gulf of Mexico bays, by Cara E. Miller and Donald M. Baltz
- 87 A molecular genetic investigation of the population structure of Atlantic menhaden (*Brevoortia tyrannus*), by Abigail J. Lynch, Jan R. McDowell, and John E. Graves

- 98 Variation in the isotopic signatures of juvenile gray snapper (*Lutjanus griseus*) from five southern Florida regions, by Trika Gerard and Barbara Muhling
- 106 Assessing trends in the density of Atlantic croaker (*Micropogonias undulatus*): a comparison of passive acoustic and trawl methods, by Damon P. Gannon and Janet G. Gannon

#### 108(2)

- 119 Age and growth of spiny dogfish (*Squalus acanthias*) in the Gulf of Alaska: analysis of alternative growth models, by Cindy A. Tribuzio, Gordon H. Kruse, and Jeffrey T. Fujioka
- 136 Effective herding of flatfish by cables with minimal seafloor contact, by Craig S. Rose, Carwyn F. Hammond, and John R. Gauvin
- 145 Flatfish herding behavior in response to trawl sweeps: a comparison of diel responses to conventional sweeps and elevated sweeps, by Clifford H. Ryer, Craig S. Rose, and Paul J. Iseri
- 155 Spatial and temporal variation in otolith chemistry for tautog (*Tautoga onitis*) in Narragansett Bay and Rhode Island coastal ponds, by Ivan Mateo, Edward G. Durbin, David A. Bengtson, Richard Kingsley, Peter K. Swart, and Daisy Durant
- 162 Fish assemblages associated with three types of artificial reefs: density of assemblages and possible impacts on adjacent fish abundance, by Reiji Masuda, Masami Shiba, Yoh Yamashita, Masahiro Ueno, Yoshiaki Kai, Asami Nakanishi, Masaru Torikoshi, and Masaru Tanaka
- 174 Biomass and reproduction of Pacific sardine (*Sardinops sagax*) off the Pacific northwestern United States, 2003–2005, by Nancy C. H. Lo, Beverly J. Macewicz, and David A. Griffiths
- 193 Seasonal variability in ichthyoplankton abundance and assemblage composition in the northern Gulf of Mexico off Alabama, by Frank J. Hernandez Jr., Sean P. Powers, and William M. Graham
- 208 Observer-reported skate bycatch in the commercial groundfish fisheries of Alaska, by Duane E. Stevenson and Kristy A. Lewis
- 218 Effects of starvation on energy density of juvenile chum salmon (*Oncorhynchus keta*) captured in marine waters of Southeastern Alaska, by Emily A. Fergusson, Molly V. Sturdevant, and Joseph A. Orsi

- 226** Accuracy of sex determination for northeastern Pacific Ocean thornyheads (*Sebastolobus altivelis* and *S. alascanus*), by Erica L. Fruh, Aimee Keller, Jessica Trantham, and Victor Simon
- 233** Measurement errors in body size of sea scallops (*Placopecten magellanicus*) and their effect on stock assessment models, by Larry D. Jacobson, Kevin D. E. Stokesbury, Melissa A. Allard, Antonie Chute, Bradley P. Harris, Deborah Hart, Tom Jaffarian, Michael C. Marino II, Jacob I. Nogueira, and Paul Rago
- 108(3)**
- 251** Abundance of harbor porpoise (*Phocoena phocoena*) in three Alaskan regions, corrected for observer errors due to perception bias and species misidentification, and corrected for animals submerged from view, by Roderick C. Hobbs and Janice M. Waite
- 268 Effects of lunar cycle and fishing operations on longline-caught pelagic fish: fishing performance, capture time, and survival of fish, by François Poisson, Jean-Claude Gaertner, Marc Taquet, Jean-Pierre Durbec, and Keith Bigelow
- 282** Using experiments and expert judgment to model catchability of Pacific rockfish in trawl surveys, with application to bocaccio (*Sebastes paucispinis*) off British Columbia, by Murdoch K. McAllister, Richard D. Stanley, and Paul Starr
- 305** Using productivity and susceptibility indices to assess the vulnerability of United States fish stocks to overfishing, by Wesley S. Patrick, Paul Spencer, Jason Link, Jason Cope, John Field, Donald Kobayashi, Peter Lawson, Todd Gedamke, Enric Cortés, Olav Ormseth, Keith Bigelow, and William Overholtz
- 323** Distribution and life history of two diminutive flatfishes, *Citharichthys gymnorhinus* and *C. cornutus* (Pleuronectiformes: Paralichthyidae), in the western North Atlantic, by Thomas A. Munroe and Steve W. Ross
- 346** Age validation of great hammerhead shark (*Sphyrna mokarran*), determined by bomb radiocarbon analysis, by Michelle S. Passerotti, John K. Carlson, Andrew N. Piercy, and Steven E. Campana
- 352** Use of stereo camera systems for assessment of rockfish abundance in untrawlable areas and for recording pollock behavior during midwater trawls, by Kresimir Williams, Christopher N. Rooper, and Rick Towler
- 108(4)**
- 365** Species compositions of elasmobranchs caught by three different commercial fishing methods off southwestern Australia, and biological data for four abundant bycatch species, by Ashlee A. Jones, Norman G. Hall, and Ian C. Potter
- 382** Ontogenetic patterns and temperature-dependent growth rates in early life stages of Pacific cod (*Gadus macrocephalus*), by Thomas P. Hurst, Benjamin J. Laurel, and Lorenzo Ciannelli
- 393** Feeding ecology of juvenile Pacific salmon (*Oncorhynchus* spp.) in a northeast Pacific fjord: diet, availability of zooplankton, selectivity for prey, and potential competition for prey resources, by Stephen M. Bollens, Rian vanden Hooff, Mari Butler, Jeffrey R. Cordell, and Bruce W. Frost
- 408** Movement patterns of winter flounder (*Pseudopleuronectes americanus*) in the southern Gulf of Maine: observations with the use of passive acoustic telemetry, by Gregory R. DeCelles and Steven X. Cadrin
- 420** Demographic characteristics of exploited tropical lutjanids: a comparative analysis, by Michelle R. Heupel, Ashley J. Williams, David J. Welch, Campbell R. Davies, Ann Penny, Jacob P. Kritzer, Ross J. Marriott, and Bruce D. Mapstone
- 433** Asymmetric conservation benefits of circle hooks in multispecies billfish recreational fisheries: a synthesis of hook performance and analysis of blue marlin (*Makaira nigricans*) postrelease survival, by John E. Graves and Andriy Z. Horodysky
- 442** Influence of ocean conditions on the timing of early life history events for blue rockfish (*Sebastes mystinus*) off California, by Thomas E. Laidig
- 450** Abundance and distribution of Atlantic sturgeon (*Acipenser oxyrinchus*) within the Northwest Atlantic Ocean, determined from five fishery-independent surveys, by Keith J. Dunton, Adrian Jordaan, Kim A. McKown, David O. Conover, and Michael G. Frisk
- 466** Day and night abundance, distribution, and activity patterns of demersal fishes on Heceta Bank, Oregon, by Ted D. Hart, Julia E. R. Clemons, W. Waldo Wakefield, and Selina S. Heppell
- 478** Distribution, growth, and mortality of sailfin (*Istiophorus platypterus*) larvae in the northern Gulf of Mexico, by Jeffrey R. Simms, Jay R. Rooker, Scott A. Holt, G. Joan Holt, and Jessica Bangma