This publication is offered to members of the US commercial shellfish harvesting and aquaculture industry to inform them of work which has been published or presented in the National Shellfisheries Association’s Journal of Shellfish Research or at the Annual Meeting either as a formal talk or as a poster. These items have been selected because they may have the most application to fisheries’ activities or important species. There are many other fine papers which are presented or published each year by the Association.

If the title of the work that is listed below is of interest to you, you can either contact the corresponding author directly through the information provided or your marine extension agent who could probably get you a copy of the article. For the presentations at the annual meeting, you will have to contact the author directly for the information.

At the end of this report is an application for membership in the National Shellfisheries Association. One of the benefits of membership is a subscription to the Journal in which you can find all the future papers that will be mentioned in upcoming reports, aside from having the opportunity to attend the annual meetings and meet with shellfish researchers. Your input is always welcome.

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--Site selection for oyster habitat rehabilitation in the Virginia Portion of the Chesapeake Bay: A commentary.
Roger Mann* and David A. Evans. *Virginia Institute of Marine Science, College of William and Mary, Gloucester Point, VA 23062. E-mail: rmann@vims.edu

--Long-term projections of eastern oyster populations under various management scenarios.

--Perkinsus sp. Infection risk for Manila clams, Tapes philippinarum (A. Adams and Reeve, 1850), from three sediment types using sucrose density solution.

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--Quarantine of oyster shell cultch reduces the abundance of Perkinsus marinus.
David Bushek*, Donnia Richardson, M. Yvonne Bobo and Loren D. Coen. * USC-Baruch Marine Field Laboratory, Georgetown, South Carolina 29442. Email: bushek@hsrl.rutgers.edu

--A comparison of dredge and patent tongs for estimation of oyster populations.
Roger Mann*, Melissa Southworth, Julianna M. Harding and James Wesson. *Virginia Institute of Marine Science, College of William and Mary Gloucester Point, VA 23062. Email: rmann@vims.edu
--Decadal scale changes in seasonal patterns of oyster recruitment in the Virginia sub estuaries of the Chesapeake Bay.
Melissa Southworth* and Roger Mann. *Virginia Institute of Marine Science, College of William and Mary, P.O. Box 1346, Gloucester Point, Virginia 23062. Email: melsouth@vims.edu

--Herpes-like virus associated with eroded gills of the Pacific oyster Crassostrea gigas in Mexico.

--Surfclam histopathology survey along the Delmarva mortality line.
Yungkul Kim* and Eric N. Powell. *Haskin Shellfish Research Laboratory, Rutgers University, Port Norris, NJ 08349.

--Impact of green crab (Carcinus maenas L.) predation on a population of softshell clams (Mya arenaria L.) in the Southern Gulf of St. Lawrence.
Trevor Floyd and Jim Williams*. * Department of Biology, St. Francis Xavier University, Antigonish, Nova Scotia, B2G 2W5, Canada. Email: jwilliam@stfx.ca

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--Natural mortality and recruitment rates of the Pacific geoduck clam (Panopea abrupta) in experimental plots.
Zane Zhang* and Alan Campbell. *Shellfish Stock Assessment Section, Pacific Biological Station, 3190 Hammond Bay Road, Nanaimo, British Columbia, V9T 6N7, Canada. Email: ZhangZ@pac.dfo-mpo.gc.ca

--Reproduction and pathology of blue mussels, Mytilus edulis (L.) in an experimental longline in Long Island Sound, Connecticut.
Inke Sunila*, Lawrence Williams, Steve Russo and Tessa Getchis. *State of Connecticut, Department of Agriculture, Bureau of Aquaculture, P.O. Box 97, Milford, Connecticut 06460. Email: isunila@snet.net

--First occurrence of the nonindigenous green mussel, Perna viridis (Linnaeus, 1758) in coastal Georgia, United States.
Alan J. Power*, Randal L. Walker, Karen Payne and Dorset Hurley. *Shellfish Research Laboratory, University of Georgia Marine Extension Service, 20 Ocean Science Circle, Savannah, Georgia 31411. Email: alanpowr@uga.edu

--The potential of aerial photography for estimating surface areas of intertidal Pacific oyster beds (Crassostrea gigas).
B. J. Kater* and J. M. D. D. Baars. *Netherlands Institute for Fisheries Research, Centre for Shellfish Research, P.O. Box 77, 4400 AB, Yerseke, The Netherlands. Email: b.j.kater@rikz.rws.minvenw.nl

--Growth and survivorship of non-native (Crassostrea gigas and Crassistrea ariakensis) versus native eastern oysters (Crassostrea virginica).
Jonathan H. Grabowski*, Charles H. Peterson, Sean P. Powers, David Gaskill and Henry C. Summerson. *University of North Carolina at Chapel Hill, Institute of Marine Sciences, Morehead City, North Carolina 28557. Email: jgrabowski@gmri.org

--A comparison between a suction dredge and a traditional oyster dredge in the transplantation of oysters in Delaware Bay.
Eric N. Powell and Kathryn A. Ashton-Alcox. *Haskin Shellfish Research Laboratory, Rutgers University, 6959 Miller Ave., Port Norris, New Jersey, 08349.

INDUCED TRIPLOIDY IN THE BAY SCALLOP ARGOPECTEN IRRADIANS AND FIELD CULTURE PERFORMANCE. Amandine Surier*, Rick Karney, Kim Tetrault, and Robert Rheault. -PO Box 963, Oak Bluffs MA 02557.


TOWARD GULF-WIDE MONITORING AND MANAGEMENT OF PERKINSUS MARINUS: RECENT ADVANCES IN THE DERMOWATCH PROGRAM. Thomas M. Sonti*, Sammy M. Ray, Enrique Kortright and Lance Robinson. *Department of Biology, Nicholls State University, Thibodaux, LA 70310.


TRANSMISSION OF QUAHOG PARASITE UNKNOWN IN HARD CLAMS: INTERACTIONS BETWEEN DIFFERENT HOST STRAINS AND PATHOGEN ISOLATES. Soren F. Dahl*, Deenie M. Buggé and Bassem Allam, *Marine Sciences Research Center, Stony Brook University, Stony Brook, NY 11794.


OYSTER INVADER MORE ABUNDANT IN MARINE RESERVES. Dianna K. Padilla* and Terrie Klinger. *Department of Ecology and Evolution, Stony Brook University, Stony Brook, NY 11794.


SURVIVAL AND GROWTH OF BAY SCALLOPS, ARGOPECTEN IRRADIANS IRRADIANS, IN SEMI-STATIC CULTURES SYSTEMS UTILIZING AN AUTOMATED FEEDING SYSTEM. James C. Widman Jr.* and David J. Veilleux. *NOAA Fisheries, Milford CT 06460.

IMPACTS OF THE TOXIC DINOFLAGELLATE ALEXANDRIUM MONILATUM ON FOUR ECOLOGICALLY IMPORTANT SHELLFISH SPECIES. Susan E. Pate*, Sandra E. Shumway and JoAnn M. Burkholder. *Center for Applied Aquatic Ecology, North Carolina State University, Raleigh, NC 27606.

SEASONAL VARIATIONS IN SEDIMENT AND BOTTOM WATER CHEMISTRY: IMPLICATIONS FOR LOBSTER MORTALITY IN WESTERN LONG ISLAND SOUND. Carmela Cuomo* and Raymond M. Valente, *Dept. of Biology & Environmental Sciences, University of New Haven, West Haven, CT 06516.

UPDATE ON SHELL DISEASE IN AMERICAN LOBSTERS IN SOUTHERN NEW ENGLAND WATERS. Kathleen Castro*, *University of Rhode Island Fisheries Center, Kingston, RI 02881.


SPAWNING ACTIVITY OF HARD CLAMS IN TWO NATURE CONSERVANCY SANCTUARIES IN LONG ISLAND, NEW YORK. Michael H. Doall*, Dianna K. Padilla, Carl Lobue, and Laurie Perino. *Stony Brook University, Department of Ecology & Evolution, Stony Brook, NY 11794.

DISTRIBUTION AND FREQUENCY OF OCCURRENCE OF GONADAL NEOPLASIA IN FLORIDA HARD CLAM (*MERCENARIA SPP.*) POPULATIONS. William S. Arnold*. *Fish and Wildlife Research Institute, St. Petersburg, FL 33701.

RE-EVALUATION OF OYSTER DREDGE EFFICIENCY IN SURVEY MODE: APPLICATION IN STOCK ASSESSMENT. Eric N. Powell, Kathryn A. Ashton-Alcox*, and John N. Kraeuter. *Haskin Shellfish Research Laboratory, Rutgers University, Port Norris, NJ 08349.


A COMPARISON OF *PERKINSUS MARINUS* INFECTION PATTERNS IN NEW JERSEY AND SOUTH CAROLINA. David Bushek* and Susan Ford, *Haskin Shellfish Research Laboratory, Rutgers University, Port Norris, NJ 08349.

REAL-TIME PCR TO MEASURE EXPRESSION OF HSP70 AS A RESPONSE TO STRESS IN *CRASSOSTREA VIRGINICA*. Amanda Powell*, Olaf Heilmayer, and G. Roesijadi. *Florida Atlantic University, Biological Sciences, Boca Raton, FL 33431.

AN ASSESSMENT OF THE DELAWARE BAY KNOBBED WHELK DREDGE FISHERY. David G. Bruce*, *Delaware Division of Fish and Wildlife, Little Creek, DE 19961.

MARYLAND OYSTER STATUS: INDUSTRY AND RESOURCE PERSPECTIVES WITH A VIEWPOINT ON RESTORATION. Christopher C. Judy*, *Maryland Department of Natural Resources, Annapolis, MD 21401.

DISTRIBUTION AND FREQUENCY OF OCCURRENCE OF GONADAL NEOPLASIA IN FLORIDA HARD CLAM (*MERCENARIA SPP.*) POPULATIONS. William S. Arnold*. *Fish and Wildlife Research Institute, St. Petersburg, FL 33701.


SO HOW FAR DO OYSTER LARVAE DISPERSE? A DYE STUDY SIMULATION. Alan J. Erskine*, Steve Snyder, Melissa Southworth, Karen Hudson, Jian Shen and Roger Mann, *VIMS, Gloucester Point, VA 23062.


TIME AND TEMPERATURE EFFECTS FOR HIGH PRESSURE INACTIVATION OF A NOROVIRUS SURROGATE. David H. Kingsley* and Haiqiang Chen. *U.S. Department of Agriculture, Agricultural Research Service, Microbial Food Safety Research Unit, Delaware State University, Dover, DE 19901.


POPULATION TRENDS OF HARD CLAMS (MERCENARIA MERCENARIA) IN THE MARYLAND COASTAL BAYS. Mitchell L. Tarnowski* and Mark L. Homer. *Maryland Department of Natural Resources, Fisheries Service, Annapolis, MD 21401.


SO HOW FAR DO OYSTER LARVAE DISPERSE? THEORETICAL AND TIME FRAME CONSIDERATIONS. Roger Mann*, *VIMS, Gloucester Point, VA 23062.


Posters


APPLICATION TO PRODUCE REMOTE SET OYSTERS FOR RESTORATION OF POPULATIONS IN NARRAGANSETT BAY, RHODE ISLAND. Carma Gilcrist*, Karin A. Tammi, Timothy M. Scott, and Dale F. Leavitt. *Roger Williams University, Center for Economic and Environmental Development (CEED), Bristol, RI 02809.


TOWARD GULF-WIDE MONITORING AND MANAGEMENT OF PERKINSUS MARINUS: RECENT ADVANCES IN THE DERMOWATCH PROGRAM. Thomas M. Soniat*, Sammy M. Ray, Enrique Kortright and Lance Robinson. *Department of Biology, Nicholls State University, Thibodaux, LA 70310.

IMPACTS OF THE TOXIC DINOFLAGELLATE ALEXANDRIUM MONILATUM ON FOUR ECOLOGICALLY IMPORTANT SHELLFISH SPECIES. Susan E. Pate*, Sandra E. Shumway and JoAnn M. Burkholder. *Center for Applied Aquatic Ecology, North Carolina State University, Raleigh, NC 27606.

IMMUNE RESPONSE OF TWO POPULATIONS OF THE EASTERN OYSTER CRASSOSTREA VIRGINICA, TO NATURAL AND SIMULATED BLOOMS OF THE DINOFLAGELLATE, PROROCENTRUM MINIMUM. Hélène Hégaret* and Gary H. Wikfors. *Department of Marine Sciences, University of Connecticut, Groton, CT 06340.

SPAWNING ACTIVITY OF HARD CLAMS IN TWO NATURE CONSERVANCY SANCTUARIES IN LONG ISLAND, NEW YORK. Michael H. Doall*, Dianna K. Padilla, Carl Luboe, and Laurie Perino. *Stony Brook University, Department of Ecology & Evolution, Stony Brook, NY 11794.
-- Acoustic deterrents do not reduce black drum predation on oysters. Kenneth M. Brown*, Gary W. Peterson, Gerald J. George and Michael McDonough. Department of Biological Sciences; Coastal Fisheries Institute; Department of Oceanography and Coastal Studies Louisiana State University, Baton Rouge, Louisiana 70803. Email: kmbrown@lsu.edu


-- Tissue distribution and hemolymph activity of six enzymes in the American lobster ( Homarus americanus): potential markers of tissue injury. Andrea Battison. Atlantic Veterinary College Lobster Science Centre (AVCLSC), University of Prince Edward Island, Charlottetown, Prince Edward Island, Canada. Email: abattison@upei.ca

-- Comparison of early season versus late season trap schedules for harvest of red swamp crawfish Procambarus clarkia cultured in earthen ponds without planted forage. Cortney L. Ohs1 and Louis R. D’Abramo2. 1University of Florida Institute of Food and Agricultural Sciences Indian River Research and Education Center, 2199 South Rock Road, Fort Pierce, FL 32945. 2Mississippi State University Department of Wildlife and Fisheries, Box 9690 Mississippi State, Mississippi 39762. Email: ldabramo@cfr.msstate.edu

-- A perspective on ecological consideration in crawfish pond aquaculture. Jay V. Huner. Crawfish Research Center, University of Louisiana at Lafayette, Lafayette, LA 70504. Email: piku@classicnet.net

-- Inferring shrimp ( Pandalus borealis) growth characteristics from life history stage structure analysis. Peter A. Koeller. Department of Fisheries and Oceans, Bedford Institute of Oceanography, P.O. Box 1006, Dartmouth, Canada. Email: koellerp@mar.dfo-mpo.gc.ca

-- Effects of tidal restrictions and potential benefits of tidal restoration on fecal coliform and shellfish-water quality. John W. Portnoy* and Jenny R. Allen. Cape Cod National Seashore, 99 Marconi Site Road, Wellfleet, Massachusetts 02667. Email: john_portnoy@nps.gov

-- A new in situ method for measuring seston uptake by suspension-feeding bivalve molluscs. Raymond E. Grizzle*, Jennifer K. Greene, Mark W. Luckenbach and Loren D. Coen. Jackson Estuarine Laboratory and Department of Zoology, University of New Hampshire, Durham, New Hampshire 03824. Email: ray.grizzle@unh.edu

-- Out-crossing among commercial strains of the northern quahog, Mercenaria mercenaria: survival, growth and implications for selective breeding. Mark D. Camara, 1,2* Standish K. Allen, Jr., 3 Ryan B. Carnegie1 and Kimberly S. Reece1. 1Virginia Institute of Marine Science, P.O. Box 1346, Gloucester Point, Virginia 23062; 2Current address: USDA Agricultural Research Service, Hatfield Marine Science Center, 2030 SE Marine Science Dr., Newport, Oregon 97365. Email: Mark.Camara@oregonstate.edu

-- A population dynamics model of the hard clam, Mercenaria mercenaria: development of the age- and length-frequency structure of the population. Eileen E. Hofmann,1 John M. Klinck,1 John N. Kraeutler,2 Eric N. Powell,2 Ray E. Grizzle,3 Stuart C. Buckner4 and V. Monica Bricelj5. 1Center for Coastal Physical Oceanography, Crittenton Hall, Old Dominion University Norfolk, Virginia 23529. Email: hofmann@ccpo.odu.edu

-- Recruitment patterns and precautionary exploitation rates for Geoduck ( Panopea abrupta) populations in British Columbia. Zane Zhang and Claudia Hand. Shellfish Stock Assessment Section, Pacific Biological Station, 3190 Hammond Bay Road, Nanaimo, British Columbia, V9T 6N7, Canada. Email: zhangz@pac.dfo-mpo.gc.ca

-- Biotic and abiotic factors influencing growth and survival of wild and cultured individuals of the softshell clam ( Mya arenaria L.) in eastern Maine. Brian F. Beal*. University of Maine at Machias, 9 O’Brien Avenue, Machias, Maine 04654. Email: bbeal@maine.edu
-- Trends in Maine softshell clam landings. William R. Congleton, Jr.¹, Tracy Vassiliev¹, Robert C. Bayer¹, Bryan R. Pearce², Jennifer Jacques¹ and Carolyn Gillman¹. ¹Department of Animal and Veterinary Science, University of Maine, Orono, Maine 04469. Email: williamc@maine.edu

-- Initial recruitment and growth of surfclams (Spisula solidissima Dillwyn) on the inner continental shelf of New Jersey. Hongguang Ma*, Judith P. Grassle and Jeanine M. Rosario. Institute of Marine and Coastal Sciences, Rutgers, The State University of New Jersey, 71 Dudley Road, New Brunswick, New Jersey 08901. Email: hgma@imcs.rutgers.edu

-- Variations in growth and reproduction of bay scallops (Argopecten irradians, Lamark, 1819) from six subpopulations in the northeastern Gulf of Mexico. Stephen P. Geiger*, Janessa Cobb and William S. Arnold. Florida Fish & Wildlife Research Institute, 100 8th Ave., SE, St. Petersburg, Florida 33701. Email: steve.Geiger@myFWC.com

-- Reproduction and spawning in calico scallops, Argopectin gibbus, from Bermuda. Samia Sarkis¹*, Cyr Couturier and Andrew Cogswell. Department of Conservation Services, P.O. Box FL 588, Flatts FLBX, Bermuda. Email: scsarkis@gov.bm

-- Genotype-dependent survival, growth and production in cultured blue mussels, Mytilus spp.: results of reciprocal seed transfer experiment. R. W. Penney*, M. J. Hart and N. D. Templeman. Department of Fisheries and Oceans, Science Branch, P.O. Box 5667, St. John’s, Newfoundland, Canada, A1C 5X1. Email: penneyra@dfo-mpo.gc.ca
