

# David J. Veilleux

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## Professional History:

**2006 – Present**

**Shellfish Hatchery Manager**

U. S. Department of Commerce  
National Marine Fisheries Service  
Aquaculture Systems and Ecology Branch  
212 Rogers Avenue, Milford, Connecticut 06460 USA

**2000 – Present**

**Biological Science Laboratory Technician**

U. S. Department of Commerce  
National Marine Fisheries Service  
Culture Systems and Habitat Evaluations Branch  
212 Rogers Avenue, Milford, Connecticut 06460 USA

**January 7, 2009 – Present**

**Biology Professor (Adjunct)**

University of New Haven  
300 Boston Post Road  
West Haven, CT 06516

**August 16, 2007 – Present**

**Biology Professor (Adjunct)**

Gateway Community College  
60 Sargent Drive  
New Haven, CT 06511

**1999 – 2000**

**Volunteer Biologist**

U. S. Department of Commerce  
National Marine Fisheries Service  
Culture Systems and Habitat Evaluations Branch  
212 Rogers Avenue, Milford, Connecticut 06460 USA

**1999 – 2000**

**Marine Life Instructor/ First Mate**

The Maritime Aquarium at Norwalk  
10 North Water Street, Norwalk, Connecticut 06854 USA

**1994 – 1999**

**Investigator/ Office Systems Manager**

Perkins and Mario, P.C. Attorneys at Law  
52 Broad Street, Milford, Connecticut 06460 USA

## Education:

**M.S. Biology, Southern Connecticut State University, 2006**

**B.S. Biology, Southern Connecticut State University, 1999**

501 Crescent Street, New Haven, Connecticut 06515

### **Special Training:**

- Automated External Defibrillator (AED)
- American Heart Association First aid/CPR Training- 2000-Present
- Small Boat Safety, Handling & Navigation- Boatwise -USCG Approved
- Connecticut DEEP Recreational Boating Certification. 2002-Present
- NOAA Working Diver Certification. Dry Suit, DAN, Nitrox, Diver First Aid Certified. 2001-Present
- NAUI Master Diver. 2001-Present
- NAUI Dive course. 2000-Present
- American Red Cross CPR and First Aid Certification. 2000-Present
- Notary Public. 1999 - 2005
- Connecticut DEEP Boating Safety Certification

### **Awards:**

- 2001 Service Award
- 2001- 2002 Service Award
- 2003 Cash Award
- 2005 Cash Award
- 2005 USDOC Certificate of Recognition
- 2006 Cash Award
- 2006 USDOC Certificate of Recognition
- 2007 Cash Award
- 2016 USDOC Certificate of Recognition
- 2016 Cash Award

### **Publications:**

#### **Manuscript:**

Yaqin Li, David J. Veilleux and Gary H. Wikfors “Particle removal by Northern bay scallops Argopecten irradians irradians in a semi-natural setting: application of a flow-cytometric technique” *Aquaculture* 296 (2009), pp. 237-245

Veilleux, D.J., Grace, S., Smith. D. "Communal Effects Among Argopecten irradians irradians, Littorina littorea, and Narssarius obsoletus". USDOC, NOAA, National Marine Fisheries Service, Northeast Fisheries, Milford Laboratory. (2006) [Graduate Research Thesis, SCSU Library]

Michelle M. Casey, Úna C. Farrell, Gregory P. Dietl, and David J. Veilleux “Mixed assemblages of drilling predators and the problem of identity in the fossil record: A case study using the muricid gastropod Ecphora” *Paleobiology*, 41(4), 2015, pp. 680–696 DOI: 10.1017/pab.2015.32

Widman, J.C. Jr., Meseck, S.L., Sennefelder, G., and Veilleux, D.J. “Toxicity Effects of 72 Hour Nitrogen Exposures to Bay Scallops, Argopecten irradians”. (2005) *J Shellfish Res.* 24(4):1274-1275. [MF]

Abstracts:

Veilleux, D.J., Redman, D. "Overwintering Survival of Different Size Classes of Net-Held Bay Scallops *Argopecten Irradians Irradians*." Northeast Fisheries Science Center, NMFS, NOAA, Milford, CT 06460; Northeast Aquaculture Conference and Exposition (NACE) 2006: Mystic Marriott, Mystic, Connecticut

Farrel, U.<sup>1</sup>, Veilleux, D.J.<sup>2</sup>, and Dietl, G.P.<sup>1</sup> 1. Department of Geology and Geophysics, Yale University, New Haven, CT 06520; 2. USDOC, NOAA, National Marine Fisheries Service, Northeast Fisheries Science Center, Milford Laboratory Milford CT 06460. "Functional Groups, Predator Identity, and Drilling Gastropods in the Fossil Record". The Geological Society of America (GSA), (2006) Philadelphia Annual Meeting (22-25 October 2006)

Veilleux DJ, Grace S, Goldberg R, Smith D. 2006. "Communal effects among *Argopecten irradians*, *Littorina littorea*, and *Ilyanassa obsoleta*" [abstract]. Presented at: 26th Milford Aquaculture Seminar; 2006 Feb 27 - Mar 1; Milford, CT. *J Shellfish Res.* 25(2):675. [MF]

Veilleux D., et al. "Growth differences between similarly sized bay scallops of different ages." Milford Aquaculture Seminar, February 2011.

Veilleux D. and Lisa Milke. "Comparison of growth and survival of the larval eastern oyster (*Crassostrea virginica*) fed by different methods." Northeast Aquaculture Conference and Expo, Portland Maine, Jan 2015.

Siddiqui, G.<sup>1</sup>, Dixon, M.S.<sup>2</sup>, Choromanski, J.<sup>2</sup>, Veilleux, D.J.<sup>2</sup>, and Wikfors, G.H.<sup>2</sup>. "Strategy for Determining Biochemical Nutrition of Shellfish Brookstock Conditioning". (2005) 1. Centre of Excellence in Marine Biology, University of Karachi, Karachi-75270, Pakistan; 2. Northeast Fisheries Science Center, NMFS, NOAA, Milford, CT 06460. *J Shellfish Res.* 25(2):672. [MF]

Widman, J.C. Jr., Meseck, S., Veilleux, D.J., and Dixon, M. "Growth of Bay Scallops, *Argopecten Irradians Irradians*, Fed Varying *Tetraselmis chui* Concentrations and its Affect on Ammonia Concentrations". (2005) USDOC, NOAA, National Marine Fisheries Service, Northeast Fisheries Science Center, Milford Laboratory Milford CT 06460 *J Shellfish Res.* 25(2):791-792. [MF]

Hunsperger H, Widman JC Jr, Milke L, Meseck SL, Veilleux D, Dixon M, Wikfors GH. 2006. Dietary arachidonic acid supplementation in bay scallops during early development [abstract]. Presented at: 2006 Northeast Aquaculture Conference & Exposition/27th Milford Aquaculture Seminar; 2006 Dec 6-8; Groton, CT. [MF]

Widman, J.C. Jr., Meseck, S., Veilleux, D.J., and Dixon, M. "Does Varying *Tetraselmis chui* Concentrations Affect Ammonia Concentrations in Bay Scallop, *Argopecten Irradians Irradians*, Cultures". (2005) USDOC, NOAA, National Marine Fisheries Service Northeast Fisheries Science Center, Milford Laboratory, Milford CT 06460 *J Shellfish Res.* 25(2):pnk. [MF]

Meseck, S.L., Widman, J.C. Jr., Milke, L., Sennefelder, G., Dixon, M., Kapareiko, D., and Veilleux, D.J. "Changes in Feeding and Excretion Rates of Bay Scallops, *Argopecten Irradians Irradians*, When Exposed to Elevated Levels of Ammonia in a Closed System". <sup>1</sup> NMFS 212 Rogers Ave Milford, CT 06460 *J Shellfish Res.* 25(2):668. [MF]

Meseck, S.L., Widman, J.C., Sennefelder, G., and Veilleux, D.J. "Concentrations of Ammonia, nitrite and nitrate in recirculating seawater systems causing bay scallop, *Argopecten irradians irradians*, mortality. (2005) *J. Shellfish Res.* Vol. 24, no. 2, p. 667

Widman, J.C. Jr., and Veilleux, D.J. "Survival and Growth of Bay Scallops, Argopecten Irradians Irradians, Fed Tetraselmis chui as an Algal Paste and Live Microalgae from Carboy Cultures". (2005) J. Shellfish Research. Vol.24, no. 2, p.683.

Widman, J.C. Jr., and Veilleux, D.J. "Survival and Growth of Bay Scallops, Argopecten Irradians Irradians, in Semi-Static Cultures Systems Utilizing an Automated Feeding System". (2005) J. Shellfish Res. Vol. 24, no. 2, p.683.

Choromanski, J., Stiles, S., Jeffress, D., Goldberg, R., Veilleux, D.J. "Tracking Lab-Bred Bay Scallop Growth and Survival in the Niantic River" (2004) J. Shellfish Res. Vol. 23, no. 2, p. 634.

Veilleux, D.J., and Mihalek, K. "Communal Effects Between Argopecten Irradians Irradians, and Nassarius Obsoleus". (2004) J. Shellfish Res., Vol. 23, no. 2, p. 643.

Widman, J.C., Jr., Meseck, S.L., Sennfelder, G. Veilleux, D.J. "Effects of 96-hour Exposure to ammonia on bay scallops, Argopecten irradians irradians". (2004) J. Shellfish Res. Vol. 23, no. 2, p. 644.

Widman, J.C. Jr., and Veilleux, D.J. "Determining Optimum Feeding Concentrations for Bay Scallops Argopecten Irradians Irradians, Using an Automated Control System". (2004) J. Shellfish Res. Vol. 23, no. 2., p. 644 .

Wikfors, G.H., Widman, J.C., Smith, B.C., Veilleux, D.J., Choromanski, J., Meseck, S.L., Goldberg, R., and Stiles, S. "Development of Secure Rearing Systems for Domesticated Bivalve Broodstock". (2004) J. Shellfish Res., Vol. 23, no. 1, p. 317.

Widman, J. C., Jr., and Veilleux, D.J. "Demand Feeding of Bay Scallops, Argopectedn Irradians Irradians Using an Automated Control System". (2003) J. Shellfish Res. Vol. 22, no. 1, pp. 302-302

Widman, J.C. Jr., and Veilleux, D.J. "Growth and Survival of Bay Scallops, Argopecten Irradians Irradians, Fed Tetraselmis Chui by Two Methods". (2001) J. Shellfish Res., Vol. 20, no. 1., p. 529.

Widman, J.C. Jr., Meseck, S., Veilleux, D.J., and Dixon, M. "A Comparison of Bay Scallop, Argopecten Irradians Irradians, Survival and Growth when Fed Tetraselmis Chui, Grown in E or F Media". J Shellfish Res. 25(2):676. [MF]

Widman, J.C. Jr., and Veilleux, D.J. "Determining Optimum Feeding Concentrations for Bay Scallops, Argopecten Irradians Irradians, Using an Automated Control System". J. Shellfish Res. 22(1):302-303

Wikfors, G., Widman, J.C. Jr., Smith, B., Veilleux, D.J., Choromanski, J., Meseck, S., Goldberg, R., and Stiles, S. "Protecting the Family Jewels: Development of Secure Rearing System for Domesticated Bivalve Broodstock". J Shellfish Res. 2004 23(1)

Widman, J.C. Jr., and Veilleux, D.J. "Rapid Growth of Bay Scallops, Argopecten Irradians Irradians, in Long Island Sound". J Shellfish Research, 2002; 21:355.

Choromanski, J., Stiles, S., Dixon, M., Veilleux, D.J., and Cooper, C. "Habitat Suitability Ascertained by Growth and Survival of Bay Scallops in Tiered Cages". J Shellfish Research, 2002; 21:340.

Widman, J.C. Jr., Veilleux D. and Dixon M. "Automated Demand Feeding of Bay Scallop *Argopecten irradians irradians* Larvae". *Aquaculture*, 2010; vol 28, no. 3: 658

### **Oral Presentations:**

-2006 Northeast Aquaculture Conference and Exposition (NACE) 2006: Mystic Marriott, Mystic, Connecticut "Overwintering Survival of Different Size Classes of Net-Held Bay Scallops *Argopecten Irradians*", (December 6-8, 2006)

-2006 26<sup>th</sup> Milford Aquaculture Seminar "Communal Effects Among *Argopecten irradians*, *Littorina littorea* and *Ilyanassa obsoleta*", (February 27 - March 1, 2006)

-2001 NOAA, Northeast Fisheries Science Center's Seventh Science Center Symposium, Westbrook Connecticut. "Bay Scallop Spawning and Rearing Methods", (December 11 - 13, 2001)

### **Agency Service:**

-Participation in 5 major research cruises including Resource Assessment Surveys (Bottom trawl/Fish Identification and various dissections/sampling), deepwater survey at Hudson's Canyon. Participated on various vessel missions including the R/V Albatross IV, the R/V Delaware II. Also participated in numerous shorter trips aboard the R/V Catherine Moore, the R/V Shang Wheeler, the R/V Oceanic, and the R/V Victor Loosanoff.

-SCSU Science Instruction and Study, offered as a sixth-year program for secondary teachers of the sciences at Southern Connecticut State University: Served as mentor during 108 hour internships for elementary or high school teachers pursuing a Masters degree in science education.

-Member- East Coast Shellfish Growers Association

-Organized the NMFS Milford Laboratory Cooperative project "Women in Science", a Sea Grant Teacher Intern Workshop. This was an outreach effort between The Maritime Aquarium and NMFS.

-Advisor- Assisted in project proposals for the Groton, Waterbury, East Lyme, Noank, Nantucket Island, and Stonington Shellfish commission.

-Shellfish Enhancement and Restoration in Noank, Connecticut (2000-2007)