

## **JASON D. STOCKWELL**

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### **Professional Preparation**

Fellow 2008 National Conservation Leadership Institute  
Postdoctoral Fellow 1997-1998 Michigan State University  
Postdoctoral Fellow 1996-1997 Colorado State University  
Ph.D. 1996 (Zoology) University of Toronto  
BSc 1991 (Biology, Mathematics) Northland College

### **Appointments**

2022-present Editorial Board, *Freshwater Biology*  
2020-present Program Director, Wildlife and Fisheries Biology Program, Rubenstein School of Environment and Natural Resources, University of Vermont  
2018-present Professor of Aquatic Ecology, Rubenstein School of Environment and Natural Resources, University of Vermont  
2017-2018 Associate Editor, 13<sup>th</sup> International Coregonid Symposium Proceedings  
2016-present Associate Editor, *Journal of Great Lakes Research*  
2014 Tenure Promotion, University of Vermont  
2011-2018 Associate Professor of Aquatic Ecology, Rubenstein School of Environment and Natural Resources, University of Vermont  
2011-present Director, Rubenstein Ecosystem Science Laboratory, University of Vermont  
2007-2011 Research Scientist, Gulf of Maine Research Institute, Portland, Maine  
2003-2007 Field Station Supervisor/Research Fishery Biologist, Great Lakes Science Center, U.S. Geological Survey, Ann Arbor, Michigan  
2001-2003 Senior Statistical Analyst, The Jackson Laboratory, Bar Harbor, Maine  
1998-2000 Aquatic Biologist III, Massachusetts Division of Marine Fisheries, Gloucester, Massachusetts

### **Adjunct and Secondary Appointments**

2012-Present Secondary Appointment, Department of Biology, University of Vermont.  
2012-2014 External Graduate Faculty. School of Marine Sciences. University of Maine.  
2008-2011 Adjunct Associate Research Professor. University of Southern Maine.  
2005-2013 Adjunct Faculty, Department of Fisheries and Wildlife, Michigan State University.  
2005-2013 Adjunct Assistant Professor, Water Resources Science, University of Minnesota.  
2005-2013 Adjunct Associate Professor of Biology, University of Minnesota at Duluth.

### **Fellowships and Awards**

2021 Journal of Great Lakes Research/Elsevier Student Award for Stewart et al. (2021) - top-ranked student paper *Journal of Great Lakes Research* whose lead author was a student at the time of acceptance  
2018 Fulbright Scholar (France)  
2017 Visiting Professorship, UMR CARTELE (INRAE, Université Savoie Mont Blanc), Thonon-les-Bains, France  
2015 International Association of Great Lakes Research Appreciation Award  
2015 US EPA Scientific and Technological Achievement Award Level III  
2009 Employee Recognition Award, Gulf of Maine Research Institute (GMRI)  
2008 Employee Recognition Award, GMRI

- 2005 Quality Step Increase (QSI) Award, USGS-GLSC.
- 2004 QSI Award, USGS-GLSC.
- 2004 Special Thanks to Achieve Results (STAR) Award, USGS-GLSC.
- 1995 Zoology International Scholarship, University of Toronto.
- 1995 Doctoral Open Fellowship, University of Toronto.
- 1994 International Association of Great Lakes Research Ph.D. Scholarship Award.
- 1991-4 Connaught Scholarship, University of Toronto.
- 1991 Science Faculty Award, Northland College.

**Manuscripts in Review or Revision** (\*undergraduate student, \*\*graduate student, \*\*\*post-doc)

Tran-Khac V, JP Doubek, V Patil, JD **Stockwell**, R Adrian, C-W Chang, G Dur, A Lewandowska, J Rusak, N Salmaso, D Straile, SJ Thackeray, P Venail, R Bhattacharya, J Brentrup, R Bruel, H Feuchtmayr, MO Gessner, H-P Grossart, B Ibelings, S Jacquet, A Kpodonu, S MacIntyre, IS Matsuzaki, E Nodine, P Nöges, L Rudstam, F Soullignac, P Verburg, P Znachor, T Zohary, O Anneville. *In review*. Using long-term ecological datasets to identify the impact of episodic short-term meteorological events on phytoplankton dynamics. *Limnology and Oceanography*.

**Publications** (\*undergraduate student, \*\*graduate student, \*\*\*post-doc)

- 98. Stewart\*\* TR, MR Vinson, JD **Stockwell**. *Accepted*. Effects of warming winter embryo incubation temperatures on larval cisco (*Coregonus artedii*) post-hatching survival, growth, and critical thermal maximum in the Laurentian Great Lakes. *Journal of Great Lakes Research*.
- 97. Hrycik\*\* AR, McFarland\* S, Morales-Williams A, **Stockwell** JD. 2022. Winter severity shapes spring plankton succession in a small, eutrophic lake. *Hydrobiologia* 849:2127-2144.
- 96. Maasri A, SC Jähnig, MC Adamescu, R Adrian, C Baigun, D Baird, A. Batista-Morales, N Bonada, N Bond, L Bossenbroek, L Brown, Q Cai, JV Campos-Silva, V Clasnitzer, T Contreras-BacBeath, S Cooke, L Copeland, T Datry, G Delcámara, K-D Kijkstra, VT Do, S Domisch, D Dudgeon, T Erös, H Freitag, J Freyhof, J Friedrich, M Friedrichs-Manthey, J Geist, M Gessner, P Goethals, M Gollock, C Gordon, H-P Grossart, G Gulembuga, P Guriérrez-Fonseca, P Haase, HJ Hahn, I Harrison, C Hawkins, F He, J Heino, D Hering, V Hermoso, Z Hogan, F Hölker, D Jacobsen, J Jeschke, M Jian, R Johnson, G Kalinkat, B Krimov, A Kasankaki, I Kimirei, B Kohlmann, M Kuemmerlen, J Kuiper, B Kupilas, S Langhans, R Lansdown, F Leese, MC Londoño, D Lopez, F Magbanua, J Marquez, S-I Matsuzaki, M Monaghan, K Mosepele, L Mumladze, J Muzon, P Mvoogo ndongo, O Nikitina, C Ochs, ON Odume, J Opperman, M Paetzig, H Patricio, S Pauls, R Raghavan, A Ramírez, B Rashni, V Ross-Gillespie, M Samways, R Schäfer, A Schmidt-Kloiber, O Seehausen, DN Shah, S. Sharma, J Sojininen, N Sommerwerk, JD **Stockwell**, F Suhling, RD Tachamo Shah, R Tharme, N Thomas-Moko, JH Thorp, D Tickner, K Tockner, JD Tonkin, M Valle, J Vitule, M Volk, D Wang, Q Wei, C Wolter, S Worischka. 2021. A global agenda for advancing freshwater biodiversity research. *Ecology Letters* 25:255-263. <https://doi.org/10.1111/ele.13931>
- 95. Kincaid DW, EC Adair, D Joung, JD **Stockwell**, AW Schroth. 2021. Ice cover and thaw events influence nitrogen partitioning and concentration in two shallow eutrophic lakes. *Biogeochemistry Letters* 157:15-29. <https://doi.org/10.1007/s10533-021-00872-x>
- 94. Lachance\*\* H, AS Ackiss, WA Larson, MR Vinson, JD **Stockwell**. 2021. Genomics reveals identity, phenology, and population demographics of larval ciscoes (*Coregonus artedii*, *C. kiyi*, and *C. hoyi*) in the Apostle Islands, Lake Superior. *Journal of Great Lakes Research* 47:1849-1857. <https://doi.org/10.1016/j.jglr.2021.09.012>
- 93. Chiapella\*\*\* AM, H Grigel\*, H Lister\*, AR Hrycik\*\*, BP O'Malley\*\*, JD **Stockwell**. *Accepted*. A day in the life of winter plankton: under-ice community dynamics during 24 hours in a hypertrophic lake. *Journal of Plankton Research*.
- 92. Kakouei K, BM Kraemer, O Anneville, L Carvalho, H Feuchtmayr, JL Graham, S Higgins, F Pomati, LG Rudstam, JD **Stockwell**, SJ Thackeray, M Vanni, R Adrian. 2021. Phytoplankton and cyanobacteria

- abundances in mid-21st century lakes depend strongly on future land use and climate projections. *Global Change Biology* 27:6409-6422. <https://doi.org/10.1111/gcb.15866>
91. Zhang C, MT Brett, JM Nielsen, GB Arhonditsis, AP Ballantyne, JL Carter, J Kann, DC Müller-Navarra, DE Schindler, JD **Stockwell**, M Winder, DA Beauchamp. 2021. Physiological and nutritional constraints on zooplankton productivity due to eutrophication and climate change predicted using a resource-based modeling approach. *Canadian Journal of Fisheries and Aquatic Sciences*. <https://doi.org/10.1139/cjfas-2021-0071> [Editor's Choice Award]
  90. Stewart\*\* TR, MR Vinson, JD **Stockwell**. 2021. Shining a light on Laurentian Great Lakes cisco (*Coregonus artedii*): how ice coverage may impact embryonic development. *Journal of Great Lakes Research*. <https://doi.org/10.1016/j.jglr.2021.07.002>
  89. Hrycik\*\* AR, P Isles, R Adrian, M Albright, L Bacon, S Berger, R Bhattacharya, H-P Grossart, J Hejzlar, A Hetherington, L Knoll, A Laas, C McDonald, K Merrell, J Nejstgaard, K Nelson, P Nöges, A Paterson, R Pilla, D Robertson, L Rudstam, J Rusak, S Sadro, E Silow, JD **Stockwell**, H Yao, K Yokota, D Pierson. 2021. Earlier winter/spring runoff and snowmelt during warmer winters lead to lower summer chlorophyll-*a* in north temperate lakes. *Global Change Biology* 27:4615-4629. <https://onlinelibrary.wiley.com/doi/epdf/10.1111/gcb.15797>
  88. Stewart\*\* TR, M Mäkinen, C Goulon, J Guillard, TJ Marjomäki, E Lasne, J Karjalainen, JD **Stockwell**. 2021. Influence of warming temperatures on coregonine embryogenesis within and among species. *Hydrobiologia* 848:4363-4385. <https://doi.org/10.1007/s10750-021-04648-0>
  87. Bruel\*\*\* R, JE Marsden, B Pientka, N Staats, T Mihuc, JD **Stockwell**. 2021. Rainbow smelt population responses to species invasions and change in environmental condition. *Journal of Great Lakes Research* 47:1171-1181. <https://doi.org/10.1016/j.jglr.2021.04.008>
  86. Doubek\*\*\* JP, O Anneville, G Dur, AM Lewandowska, VP Patil, JA Rusak, N Salmaso, CT Seltmann, D Straile, P Urrutia-Cordero, P Venail, R Adrian, MB Alfonso, CL DeGasperi, E de Eyto, H Feuchtmayr, EE Gaiser, SF Girdner, JL Graham, H-P Grossart, J Hejzlar, S Jacquet, G Kirillin, ME Llamas, S-IS Matsuzaki, ER Nodine, MC Piccolo, DC Pierson, A Rimmer, LG Rudstam, S Sadro, HM Swain, SJ Thackeray, W Thiery, P Verburg, T Zohary, JD **Stockwell**. 2021. The extent and variability of storm-induced temperature changes in lakes measured with long-term and high-frequency data. *Limnology and Oceanography* 66:1979-1992. <https://doi.org/10.1002/lno.11739>
  85. Meyer M, R Ladwig, H Dugan, A Anderson, A Bah, B Boehrer, L Borre, R Chapina\*\*, C Doyle, E Favot, G Flaim, P Forsberg, P Hanson, B Ibelings , P Isles, F-P Lin, D Lofton, T Moore, Tadhg; S Peel, J Peters, D Pierson, L de Senerpont Domis, J Schloss, M Shikhani, A Smagula, JD **Stockwell**, P Thomas, RQ Thomas, T Tietjen, K Weathers. 2021. Virtual growing pains: Initial lessons learned from organizing virtual workshops, summits, conferences, and networking events during a global pandemic. *Limnology and Oceanography Bulletin* 30:1-11. <https://doi.org/10.1002/lob.1043>
  84. Hrycik\*\* AR, JD **Stockwell**. 2021. Under-ice mesocosms reveal the primacy of light but the importance of zooplankton in winter phytoplankton dynamics. *Limnology and Oceanography* 66:481-495. <https://doi.org/10.1002/lno.11618>
  83. Block\*\* BD, JD **Stockwell**, JE Marsden. 2020. Contributions of winter foraging to the annual growth of thermally-dissimilar fish species. *Hydrobiologia* 847:4325-4341. <https://doi.org/10.1007/s10750-020-04428-2>
  82. Zhikharev VS, O Erina, MA, Tereshina, JP Doubek\*\*\*, SK Goldfarb\*, GV Shurganova, JD **Stockwell**. 2020. Day-night differences in crustacean zooplankton in Lake Glubokoe and Mozhaysk Reservoir (European Russia). *Limnology and Freshwater Biology* 4:765-766. <https://doi.org/10.31951/2658-3518-2020-A-4-765>
  81. Griffin\* JE, BP O'Malley\*\*, JD **Stockwell**. 2020. The freshwater mysid *Mysis diluviana* (Audzijonyte & Väinölä, 2005) (Mysida: Mysidae) consumes detritus in the presence of *Daphnia* (Cladocera: Daphniidae). *Journal of Crustacean Biology* 40:520-525. [doi:10.1093/jcabi/ruaa053](https://doi.org/10.1093/jcabi/ruaa053)
  80. Lucke VS, TR Stewart\*\*, MR Vinson, JD Glase, JD **Stockwell**. 2020. Spring larval *Coregonus* diets and zooplankton community patterns in the Apostle Islands, Lake Superior. *Journal of Great Lakes Research* 46: 1391-1401. <https://doi.org/10.1016/j.jglr.2020.07.001>

79. **Stockwell** JD, BP O'Malley\*\*, S Hansson, RJ Chapina\*\*, LG Rudstam, BC Weidel. 2020. Benthic habitat is an integral part of *Mysis* ecology. *Freshwater Biology* 65:1997-2009. <https://doi.org/10.1111/fwb.13594>
78. Sorrentino\* M, TR Stewart\*\*, JE Marsden, JD **Stockwell**. 2020. Differential lipid dynamics in stocked versus wild juvenile lake trout. *Journal of Great Lakes Research* 46:376-381.
77. **Stockwell** JD, JP Doubek\*\*\*, R Adrian, O Anneville, CC Carey, L Carvalho, LN De Senerpont Domis, G Dur, MA Frassl, H-P Grossart, BW Ibelings, MJ Lajeunesse, AM Lewandowska, ME Llames; IS Matsuzaki, ER Nodine, P Nôges, VP Patil, F Pomati, K Rinke, LG Rudstam, JA Rusak, N Salmaso, CT Seltmann, D Straile, SJ Thackeray, W Thiery, P Urrutia-Cordero, P Venail, P Verburg, RI Woolway, T Zohary, MR Andersen, R Bhattacharya, J Hejzlar, N Janatian, ATNK Kpodonu, TJ Williamson, HL Wilson. 2020. Storm impacts on phytoplankton community dynamics in lakes. *Global Change Biology* 26:2756-2784. <https://doi.org/10.1111/gcb.15033> [Invited Review]
76. Doubek\*\*\* JP, SK Goldfarb\*, JD **Stockwell**. 2020. Should we be sampling zooplankton at night? *Limnology & Oceanography Letters* 5:313-321. <https://doi.org/10.1002/lol2.10151>
75. \*\*Hrycik AR, AD Shambaugh, JD **Stockwell**. 2019. Comparison of FlowCAM and microscope biovolume measurements for a diverse freshwater phytoplankton community. *Journal of Plankton Research* 41:849-864.
74. \*\*O'Malley BP, JD **Stockwell**. 2019. Diel feeding behavior in a partially migrant *Mysis* population: A benthic-pelagic comparison. *Food Webs* 20, e00117.
73. Doubek\*\*\* JP, CC Carey, M Lavender, AK Winegardner, M Beaulieu, PT Kelly, AI Pollard, D Straile, JD **Stockwell**. 2019. Calanoid copepod zooplankton density is positively associated with water residence time across the continental United States. *PLOS ONE* 14(1) e0209567.
72. Block\*\* BD, BA Denfeld, JD **Stockwell**, G Flaim, H-PF Grossart, LB Knoll, DB Maier, RL North, M Rautio, JA Rusak, S Sadro, GA Weyhenmeyer, AJ Bramburger, DK Branstrator, K Salonen, SE Hampton. 2019. The unique methodological challenges of winter limnology. *Limnology & Oceanography: Methods* 17:42-57
71. O'Malley\*\* BP, RA Dillon\*, RW Paddock, S Hansson, JD **Stockwell**. 2018. Using underwater video to assess abundance and behavior of epibenthic invertebrates. *Limnology and Oceanography: Methods* 16:868-880. <https://doi.org/10.1002/lom3.10289>
70. Flores\*\* NM, TR Miller, JD **Stockwell**. 2018. A global analysis of the relationship between concentrations of microcystins in water and fish. *Frontiers in Marine Science* <https://doi.org/10.3389/fmars.2018.00030>
69. Knight\* JC, BP O'Malley\*\*, JD **Stockwell**. 2018. Lake Champlain offshore benthic invertebrate community before and after zebra mussel invasion. *Journal of Great Lakes Research* 44:283-288.
68. O'Malley\*\* BP, S Hansson, JD **Stockwell**. 2018. Evidence for a size-structured explanation of partial diel vertical migration in mysids. *Journal of Plankton Research* 40:66-76. doi:10.1093/plankt/fbx060
67. Leach TH, BE Beisner, CC Carey, P Pernica, KC Rose, Y Huot, JA Brentrup, I Domaizon, H-P Grossart, BW Ibelings, PT Kelly, S Jacquet, JA Rusak, JD **Stockwell**, D Straile, P Verburg. 2017. Patterns and drivers of deep chlorophyll maxima structure in 100 lakes: the relative importance of light and thermal stratification. *Limnology and Oceanography* 63:628-646. doi: 10.1002/lno.10656
66. Isles\*\* PDF, Y Xu, JD **Stockwell**, AW Schroth. 2017. Climate-driven changes in energy and mass inputs systematically alter nutrient concentration and stoichiometry in deep and shallow regions of Lake Champlain. *Biogeochemistry* 133:201-217.
65. Bockwoldt\* KA, ER Nodine, TB Mihuc, A Shambaugh, JD **Stockwell**. 2017. Reduced phytoplankton and zooplankton diversity associated with increased cyanobacteria in Lake Champlain, USA. *Journal of Contemporary Water Research and Education* 160:100-118.
64. Joung D, M Leduc, B Ramcharitar, Y Xu, PDF Isles\*\*, JD **Stockwell**, G Druschel, T Manley, AW Schroth. 2017. The impact of winter weather and system configuration on phosphorus, iron and manganese dynamics in water and sediment of ice-covered lakes. *Limnology and Oceanography* 62:1620-1635. 10.1002/lno.10521
63. Pinheiro\*\* V, JD **Stockwell**, JE Marsden. 2017. Lake trout (*Salvelinus namaycush*) spawning site use in Lake Champlain. *Journal of Great Lakes Research* 43:345-351.
62. Weyhenmeyer GA, M Mackay, JD **Stockwell**, W Thiery, H-P Grossart, PB Augusto-Silva, H Baulch, E de Eyto, J Hejzlar, K Kangur, G Kirillin, DC Pierson, JA Rusak, S Sadro, RI Woolway. 2017. Citizen science

shows systematic changes in the temperature difference between air and inland waters with global warming. *Scientific Reports* 7:43890.

61. Hampton SE, AWE Galloway, SM Powers, T Ozersky, KH Woo, RD Batt, SG Labou, CM O'Reilly, S Sharma, NR Lottig, EH Stanley, RL North, JD **Stockwell**, R Adrian, GA Weyhenmeyer, L Arvola, HM Baulch, I Bertani, LL Bowman, Jr, CC Carey, J Catalan, W Colom-Montero, LM Domine, M Felip, I Granados, C Gries, H-P Grossart, J Haberman, M Haldna, B Hayden, SN Higgins, JC Jolley, KK Kahilainen, E Kaup, MJ Kehoe, S MacIntyre, AW Mackay, HL Mariash, RM McKay, B Nixdorf, P Nöges, T Nöges, M Palmer, DC Pierson, DM Post, MJ Pruett, M Rautio, JS Read, SL Roberts, J Rücker, S Sadro, EA Silow, DE Smith, RW Sterner, GEA Swann, MA Timofeyev, M Toro, MR Twiss, RJ Vogt, SB Watson, EJ Whiteford, MA Xenopoulos. 2017. Ecology under lake ice. *Ecology Letters* 20:98-111. <https://doi.org/10.1111/ele.12699>
60. Euclide\*\* PT, S Hansson, JD **Stockwell**. 2017. Partial diel vertical migration in an omnivorous macroinvertebrate. *Hydrobiologia* 787:387-396. DOI 10.1007/s10750-016-2982-5
59. Gearhart\*\* TG, K Ritchie\*, E Nathan\*, JD **Stockwell**, J Kraft. 2017. Alteration of essential fatty acids in secondary consumers across a gradient of cyanobacteria. *Hydrobiologia* 784:155-170.
58. Moriarty\* PE, CJ Byron\*\*\*, AJ Pershing, JD **Stockwell**, H Xue. 2016. Predicting migratory paths of post-smolt Atlantic salmon (*Salmo salar*). *Marine Biology* 163:74. DOI 10.1007/s00227-016-2845-5
57. Herbst SJ, BM Roth, DB Hayes, JD **Stockwell**. 2016. Walleye foraging ecology in an interconnected chain of lakes influenced by non-native species. *Transactions of the American Fisheries Society* 145:319-333.
56. Euclide\*\* PT, JD **Stockwell**. 2015. Effect of gut content on  $\delta^{15}\text{N}$ ,  $\delta^{13}\text{C}$  and C:N of experimentally-fed *Mysis diluviana*. *Journal of Great Lakes Research* 41:926-929.
55. Anneville O, DL Yule, R Eckmann, E Lasne, JD **Stockwell**, C Gillet, J Guillard. 2015. Fishing and stocking practices promote fish diversity loss. *Food and Nutrition Sciences (Special Issue on Fisheries, Aquaculture and Environment)* 6:1045-1055.
54. Li G, JD Stockwell, JE Marsden, Y Xu. 2015. New tools and views for lake research: Notes from IAGLR 2015 annual meeting. *Journal of Lake Science* 27:755-756. (In Chinese).
53. Ball\* SC, TB Mihuc, LW Myers, JD **Stockwell**. 2015. Ten-fold decline in *Mysis diluviana* in Lake Champlain between 1975 and 2012. *Journal of Great Lakes Research* 41:502-509.
52. Sierszen ME, TR Hrabik, JD **Stockwell**, AM Cotter, JC Hoffman, DL Yule. 2014. Depth gradients in food web processes in large lakes: Lake Superior as an exemplar ecosystem. *Freshwater Biology* 59:2122-2136.
51. Yurista PM, DL Yule, M Balge, JD VanAlstine, JA Thompson, AE Gamble, TR Hrabik, JR Kelly, JD **Stockwell**, MR Vinson. 2014. A new look at the Lake Superior biomass size-spectrum. *Canadian Journal of Fisheries and Aquatic Sciences* 71:1324-1333.
50. **Stockwell** JD, DL Yule, TR Hrabik, ME Sierszen, EJ Isaac\*\*. 2014. Habitat coupling in a large lake system: delivery of an energy subsidy by an offshore planktivore to the nearshore zone of Lake Superior. *Freshwater Biology* 59:1197-1212.
49. Janssen,J, JE Marsden, TH Hrabik, JD **Stockwell**. 2014. Lakes great enough for Hjort? *ICES Journal of Marine Science* 71:2242-2251.
48. Byron\*\*\* CJ, AP Pershing, JD **Stockwell**, X Huijie, J Kocik. 2014. Migration model of post-smolt Atlantic salmon (*Salmo salar*) in the Gulf of Maine. *Fisheries Oceanography* 23:172-189.
47. Cronin-Fine\*\* L, JD **Stockwell**, ZT Whitener, EM Labbe, TV Willis, KA Wilson. 2013. Application of morphometric analysis to identify alewife stock structure in the Gulf of Maine. *Marine and Coastal Fisheries: Dynamics, Management, and Ecosystem Science* 5:11-20.
46. **Stockwell** JD, TC Weber, AJ Baukus, JM Jech. 2013. On the use of omni-directional sonars and downward-looking echosounders to assess pelagic fish distributions during and after midwater trawling. *ICES Journal of Marine Science* 70:196-203.
45. Gorman OT, DL Yule, JD **Stockwell**. 2012. Habitat use by fishes of Lake Superior. I. Diel patterns of habitat use in nearshore and offshore waters of the Apostle Islands region. *Aquatic Ecosystem Health and Management* 15:333-354.

44. Gorman OT, DL Yule, JD **Stockwell**. 2012. Habitat use by fishes of Lake Superior. II. Consequences of diel habitat use for habitat linkages and habitat coupling in nearshore and offshore waters. *Aquatic Ecosystem Health and Management* 15:355-368.
43. Isaac\*\* EJ, TR Hrabik, JD **Stockwell**, AE Gamble. 2012. The selection of prey by the Lake Superior fish community. *Journal of Great Lakes Research* 38:326-335.
42. Kelly JR, PM Yurista, SE Miller, AC Cotter, TC Corry, JS Scharold, ME Siersen, EJ Isaac\*\*, JD **Stockwell**. 2011. Challenges to Lake Superior's condition, assessment, and management: A few observations across a generation of change. *Aquatic Ecosystem Health and Management* 14:332-344.
41. Ahrenstorff TD, TR Hrabik, JD **Stockwell**, DL Yule, GG Sass. 2011. Seasonally dynamic diel vertical migrations of mysis (*Mysis relicta*), coregonines (*Coregonus* spp.), and siscowet lake trout (*Salvelinus namaycush*) in the pelagia of Western Lake Superior. *Transactions of the American Fisheries Society* 140:1504-1520.
40. Gamble AE, TR Hrabik, JD **Stockwell**, DL Yule. 2011a. Trophic connections in Lake Superior Part I: the offshore fish community. *Journal of Great Lakes Research* 37:541-549.
39. Gamble AE, TR Hrabik, DL Yule, JD **Stockwell**. 2011b. Trophic connections in Lake Superior Part II: the nearshore fish community. *Journal of Great Lakes Research* 37:550-560.
38. Jensen OP, S Hansson, T Didrikas, JD **Stockwell**, TR Hrabik, T Axenrot, JF Kitchell. 2011. Foraging, bioenergetic, and predation constraints on diel vertical migration: field observations and modeling of reverse migration by Baltic Sea young-of-year herring (*Clupea harengus*). *Journal of Fish Biology* 78:449-465.
37. **Stockwell** JD, TR Hrabik, OP Jensen, DL Yule, M Balge. 2010. Empirical evaluation of predator-driven diel vertical migration in Lake Superior. *Canadian Journal of Fisheries and Aquatic Sciences* 67:473-485.
36. Myers JT, ML Jones, JD **Stockwell**, DL Yule. 2009. Re-assessment of the predatory effects of rainbow smelt on cisco in Lake Superior. *Transactions of the American Fisheries Society* 138:1352-1368.
35. Hayes D, ML Jones, N Lester, C Chu, S Doka, J Netto, JD **Stockwell**, B Thompson, CK Minns, B Shuter, N Collins. 2009. Linking fish population dynamics to habitat conditions: insights from the application of a process-oriented approach to several Great Lakes species. *Reviews in Fish Biology and Fisheries* 19:295-312.
34. **Stockwell** JD, MP Ebener, JA Black, OT Gorman, T Halpern, TR Hrabik, RE Kinnunen, WP Mattes, J Oyadomari, ST Schram, DR Schreiner, MJ Seider, K Scribner, SP Sitar, DL Yule. 2009. A synthesis of cisco recovery in Lake Superior: implications for native fish rehabilitation in the Laurentian Great Lakes. *North American Journal of Fisheries Management* 29:626-652. [Feature Article]
33. Yule DL, JD **Stockwell**, D Schreiner, LM Evrard, M Balge, TR Hrabik. 2009. Can pelagic forage fish and spawning cisco (*Coregonus artedii*) biomass in the western arm of Lake Superior be assessed with a single summer survey? *Fisheries Research* 96:39-50.
32. Jensen OP, PM Yurista, TR Hrabik, JD **Stockwell**. 2009. Densities and diel vertical migration of *Mysis relicta* in Lake Superior. *Verhandlungen der Internationale Vereinigung für Theoretische und Angewandte Limnologie* 30:957-963.
31. Myers JT, JD **Stockwell**, DL Yule, J Black. 2008. Evaluating sampling strategies for larval cisco (*Coregonus artedii*). *Journal of Great Lakes Research* 34:245-252.
30. Yule DL, JD **Stockwell**, JA Black, KI Cullis, GA Cholwek, JT Myers. 2008. How systematic underaging can impede understanding of fish population dynamics: lessons learned from a Lake Superior cisco (*Coregonus artedii*) stock. *Transactions of the American Fisheries Society* 137:481-495.
29. Madenjian CP, R O'Gorman, DB Bunnell, RL Argyle, EF Roseman, DM Warner, JD **Stockwell**, SC Riley, MA Stapanian. 2008. Adverse effects of alewives (*Alosa pseudoharengus*) on Great Lakes fish communities. *North American Journal of Fisheries Management* 28:263-282. [Feature Article]
28. Stapanian MA, CP Madenjian, CR Bronte, MP Ebener, BF Lantry, JD **Stockwell**. 2008. Status of burbot populations in the Laurentian Great Lakes. Pages 111-130 In V. Paragamian and D. Bennett (eds.), *Burbot: Ecology, Management, and Culture*. Symposium 59. American Fisheries Society, Bethesda, MD. 270 pp.
27. Yule DL, JV Adams, JD **Stockwell**, OT Gorman. 2008. Factors affecting bottom trawl catches: implications for monitoring the fishes of Lake Superior. *North American Journal of Fisheries Management* 28:109-122.

26. **Stockwell** JD, DL Yule, TR Hrabik, JV Adams, OT Gorman, BV Holbrook. 2007. Vertical distribution of fish biomass in Lake Superior: implications for day bottom trawl surveys. *North American Journal of Fisheries Management* 27:735-749.
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### Book Chapters

**Stockwell** JD, TV Burkey, B Cazelles, F Ménard, FA Ascoti, P Himschoot, J Wu. 1995. Detecting periodicity in quantitative versus semi-quantitative time series. In: Powell, T.M. and J.H. Steele (eds.) *Ecological Time Series*. Chapman & Hall, New York, pp. 99-115.

### Data Products

**Stockwell** JD, Anneville O, Patil VP. 2021. Global Evaluation of the Impacts of Storms on freshwater Habitat and Structure of phytoplankton Assemblages (GEISHA). Available online at:

<https://www.uvm.edu/femc/data/archive/project/geisha-stormblitzfr>

Doubek\*\*\* JP, SK Goldfarb\*, JD **Stockwell**. 2019. Zooplankton paired night and day density and biomass estimates, worldwide literature survey, 1900 – 2016. Environmental Data Initiative.

<https://doi.org/10.6073/pasta/ec7dc9192af0d9b95d1b0e2411bc4e73>

Flores\*\* NM, TR Miller, JD **Stockwell**. 2018. Concentrations of cyanotoxins in fresh water and fish. Environmental Data Initiative. <http://dx.doi.org/10.6073/pasta/0c250018ee7732d984be74e2043b84b4>

**Stockwell** JD 2015. Stable isotopes and demographics of the macroinvertebrate *Mysis diluviana* from Lake Champlain in 2013. <https://knb.ecoinformatics.org/#view/knb.749.1>

### Grants and Contracts (including pending)

*Title: Food Web Responses to Round Goby and Quagga Mussel Invasions Across the Gradient of Lake Types within the Lake Champlain Ecosystem*

*Source: Vermont Water Resources and Lake Studies Center*

*Award Period: Proposal in review*

*Total Award: \$40,000*

*Number of person-months per year: 2.5*

*Principal Researcher: JD **Stockwell***

*Co-Applicants: JE Marsden (UVM), A Chiappella (UVM), J Lesser (UVM), B Possamai (UVM)*

*Title: Lake Champlain Fish Ecology: A Mesocosm Approach to the Great Lakes*

*Source: Great Lakes Fishery Commission*

*Award Period: Proposal in review*

*Total Award: \$2,500,000*

*Number of person-months per year: 2.0*

*Principal Researcher: JD **Stockwell***

*Co-Applicants: JE Marsden (UVM)*



*Title:* Evaluating vessel avoidance during acoustic/trawl surveys of pelagic forage fish using a hybrid research vessel

*Source:* Great Lakes Fishery Commission

*Award Period:* Proposal in review

*Total Award:* \$288,000

*Number of person-months per year:* 14.0

*Principal Researcher:* JD **Stockwell**

*Co-Applicants:* A McReynolds (UVM), JE Marsden (UVM), LG Rudstam (Cornell), M Jech (NOAA-NMFS)

*Title:* Synthesizing patterns and drivers of changes in lake zooplankton community dynamics worldwide

*Source:* USGS John Wesley Powell Center

*Award Period:* November 2022 – October 2024

*Total Award:* \$183,000

*Number of person-months per year:* 0.0

*Principal Researcher:* JD **Stockwell**

*Co-Applicants:* S Figary (Cornell), M Meyer (USGS), R Pilla (Oak Ridge National Lab), O Anneville (INRAE), R Bruel (IEES Paris), J Chase (iDIV), A Chiapella (UVM), I Matsuzaki (NIES), F Olsson (Lancaster Univ), M Calderó-Pascal (BETA Tech Center UVIC-UCC), L Soares (INRAE), C Symons (UC Irvine), S Thackeray (UK CEH), X Yang (UNC)

*Title:* Next-Generation Scientists and Observatories for Lake Assessment Under Climate Change (SOLake)

*Source:* Horizon Europe Marie Skłodowska-Curie Actions Doctoral Networks (HORIZON-MSCA-DN-2021)

*Award Period:* Proposal in review

*Total Award:* ~ €2,700,000

*Number of person-months per year:* 0.0

*Principal Researcher:* I Domaizon (INRAE)

*Co-Applicants:* L Epp (Univ Konstanz), R Sommaruga (Univ Innsbruck), D Fontaneta (National Research Council of Italy), T Andersen (Univ Oslo), W Vyverman (Univ Ghent), B Ibelings (Univ Geneva), ME Perga (Univ Lausanne), JD **Stockwell**, V Maggi (Univ degli Studi Milano Bicocca)

*Title:* Fish and oxygen-induced alterations to the migration of zooplankton, part II

*Source:* AQUACOSM

*Award Period:* July 2021 – June 2022

*Total Award:* ~ €10,000

*Number of person-months per year:* 0.0

*Principal Researcher:* JD **Stockwell**

*Co-Applicants:* J Doubek (UVM)

*Title:* Monitoring offshore reefs: evaluating biological hotspots as sentinels of ecosystem change

*Source:* U.S. Geological Survey

*Award Period:* Proposal in review

*Total Award:* \$400,000

*Principal Researchers:* L Herdman (USGS)

*Co-Applicants:* A Chiapella (UVM), JD **Stockwell**, JE Marsden (UVM)

*Title:* Acquisition of a hybrid research vessel, infrastructure, and associated instrumentation for Lake Champlain research and education

*Source:* Great Lakes Fishery Commission

*Award Period:* February 2020 – April 2022

*Total Award:* \$4,000,000

*Principal Researchers:* JD **Stockwell**, N Mathews (UVM)

*Title:* Cyanobacteria bloom impacts on fish: ecological and human health considerations

*Source:* Vermont Water Resources and Lake Studies Center

*Award Period:* March 2020 – February 2021

*Total Award:* \$10,000

*Number of person-months per year:* 0.0

*Principal Researcher:* N Flores (UVM)

*Co-Applicants:* JD **Stockwell**, J Kraft (UVM), T Miller (Univ Wisconsin-Milwaukee)

*Title:* Impact of Storms on Lake Phytoplankton Community Dynamics

*Source:* Vermont Water Resources and Lake Studies Center

*Award Period:* March 2020 – December 2020

*Total Award:* \$30,000

*Number of person-months per year:* 0.42

*Principal Researcher:* JD **Stockwell**

*Co-Applicants:* J Brentrup (UVM)

*Title:* How much carbon is in those mussels? The potential impact of a quagga mussel invasion on energy pathways in Lake Champlain

*Source:* Vermont Water Resources and Lake Studies Center

*Award Period:* March 2020 – February 2021

*Total Award:* \$36,000

*Number of person-months per year:* 0.5

*Principal Researcher:* JE Marsden

*Co-Applicants:* A Chiapella (UVM), JD **Stockwell**

*Title:* Forage fish community monitoring and predator abundance assessment in Lake Champlain

*Source:* Lake Champlain Basin Program

*Award Period:* April 2020 – March 2022

*Total Award:* \$239,000

*Number of person-months per year:* 10

*Principal Researcher:* JE Marsden (UVM)

*Co-Applicants:* JD **Stockwell**

*Title:* Food web models to evaluate impacts of environmental change and management actions on Lake Champlain fish populations

*Source:* Lake Champlain Sea Grant

*Award Period:* September 2019 – August 2021

*Total Award:* \$150,000

*Number of person-months per year:* 0.5

*Principal Researcher:* JD **Stockwell**

*Co-Applicants:* JE Marsden (UVM)

*Title:* Influence of changing lake thermal conditions on coregonine reproductive phenology and larval growth at local to global scales: modeling and experimental approaches

*Source:* Vermont Water Resources and Lake Studies Center

*Award Period:* June 2019 – June 2020

*Total Award:* \$42,000

*Number of person-months per year:* 0.12

*Principal Researcher:* T Stewart (UVM)

*Co-Applicants:* JD **Stockwell**

*Title:* Impact of Storms on Lake Phytoplankton Community Dynamics

*Source:* Vermont Water Resources and Lake Studies Center

*Award Period:* June 2019 – June 2020

*Total Award:* \$18,000

*Number of person-months per year:* 0.12

*Principal Researcher:* JD **Stockwell**

*Co-Applicants:* J Doubek (UVM)

*Title:* Fish and oxygen-induced alterations to the migration of zooplankton

*Source:* AQUACOSM

*Award Period:* July 2019 – June 2020

*Total Award:* ~ €10,000

*Number of person-months per year:* 0.0

*Principal Researcher:* JD **Stockwell**

*Co-Applicants:* J Doubek (UVM)

*Title:* Lake Champlain Fish Ecology: A Mesocosm Approach to the Great Lakes

*Source:* Great Lakes Fishery Commission

*Award Period:* September 2018 – August 2023

*Total Award:* \$1,250,000

*Number of person-months per year:* 2.0

*Principal Researcher:* JE Marsden (UVM)

*Co-Applicants:* JD **Stockwell**

*Title:* Testing effects of winter severity on phytoplankton production using remote sensing, high-frequency monitoring, and field experiments

*Source:* NASA

*Award Period:* September 2018 – August 2020

*Total Award:* \$90,000

*Number of person-months per year:* 12

*Principal Researcher:* A Hrycik (UVM)

*Co-Applicants:* JD **Stockwell**

*Title:* Workshop to establish a collaborative global experiment to understand coregonid adaptive response to changing thermal regimes

*Source:* NSF

*Funding:* \$14,865

*Date of Award:* March 2018

*Principal Researcher:* JD **Stockwell**

*Co-PIs:* T Stewart (UVM)

*Title:* Impact of Storms on Lake Phytoplankton Community Dynamics

*Source:* Vermont Water Resources and Lake Studies Center

*Funding:* \$37,800

*Date of Award:* June 2018

*Principal Researcher:* JD **Stockwell**

*Co-Applicant:* J Doubek (Virginia Tech)

*Title:* A field study to investigate potentially toxic cyanobacterial aerosols from Shelburne Pond and farm fields in Vermont

*Source:* Vermont Water Resources and Lake Studies Center

*Funding:* \$10,000

*Date of Award:* June 2018

*Principal Researcher:* NM Flores (UVM)

*Co-Applicant:* JD **Stockwell**, E Stommel (Dartmouth)

*Title:* The evaluation of aerosolized cyanobacteria from Shelburne Pond and farm fields of Shelburne, Vermont

*Source:* Lintilhac Foundation

*Funding:* \$30,000

*Date of Award:* January 2018

*Principal Researcher:* JD **Stockwell**

*Co-Applicant:* E Stommel (Dartmouth)

*Title:* Spatial variability and drivers of *Mysis* partial diel vertical migration

*Source:* Great Lakes Fishery Commission

*Funding:* \$240,000

*Date of Award:* January 2018

*Principal Researcher:* JD **Stockwell**

*Co-Applicant:* BP O'Malley (UVM), L Rudstam (Cornell), B Weidel (USGS)

*Title:* Exploring links between harmful algal blooms and human well-being: how and why communities take action

*Source:* EPA

*Funding:* \$600,000

*Date of Award:* October 2017

*Principal Researcher:* R Gould (UVM)

*Co-Applicant:* JD **Stockwell**, T Miller (Univ Wisconsin-Milwaukee), J Kraft (UVM), B Fisher (UVM), E Stommel (Dartmouth)

*Title:* Global to Local Assessment of Cyanotoxins in Fish

*Source:* Vermont Water Resources and Lake Studies Center

*Funding:* \$40,000

*Date of Award:* March 2017

*Principal Researcher:* JD **Stockwell**

*Co-Applicant:* T Miller (Univ Wisconsin-Milwaukee)

*Title:* Lake Superior cisco *Coregonus artedii* egg development and larvae survival dynamics

*Source:* USGS Great Lakes Science Center

*Funding:* \$242,000

*Date of Award:* December 2016

*Principal Researcher:* JD **Stockwell**

*Co-Applicant:* T Stewart (UVM), M Vinson (USGS)

*Title:* Global to Local Assessment of Cyanotoxins in Fish

*Source:* Lintilhac Foundation

*Funding:* \$30,000

*Date of Award:* May 2016

*Principal Researcher:* JD **Stockwell**

*Co-Applicant:* T Miller (Univ Wisconsin-Milwaukee), J Kraft (UVM)

*Title:* Global Evaluation of the Impacts of Storms on freshwater Habitat and Structure of phytoplankton Assemblages (GEISHA)

*Source:* Centre de Synthèse et D'Analyse sur la Biodiversité

*Funding:* \$90,000 EUROS

*Date of Award:* September 2016

*Principal Researcher:* O Anneville (INRAE UMR CARRTEL)

*Co-Applicant:* JD **Stockwell**, G Dur (Université Lille), S Soussi (Université Lille), F Schmitt (CNRS, France), P Venail (University of Geneva), V Patil (USGS), N Salmaso (IASMA Research and Innovation Centre, Italy), C Hsieh (National Taiwan University), M Lajeunesse (University of South Florida), R Adrian (Leibniz-Institute of

Freshwater Ecology and Inland Fisheries, Germany), D Straile (University of Konstanz), J Rusak (Ontario MNR), A Lewandowska (Carl von Ossietzky University of Oldenburg)

*Title:* Global Evaluation of the Impacts of Storms on freshwater Habitat and Structure of phytoplankton Assemblages (GEISHA)

*Source:* USGS John Wesley Powell Center

*Funding:* \$132,000

*Date of Award:* January 2017

*Principal Researcher:* **JD Stockwell**

*Co-Applicant:* O Anneville (INRAE UMR CARRTEL), V Patil (USGS), G Dur (Université Lille), S Soussi (Université Lille), F Schmitt (CNRS, France), P Venail (University of Geneva), N Salmaso (IASMA Research and Innovation Centre, Italy), C Hsieh (National Taiwan University), M Lajeunesse (University of South Florida), R Adrian (Leibniz-Institute of Freshwater Ecology and Inland Fisheries, Germany), D Straile (University of Konstanz), J Rusak (Ontario MNR), A Lewandowska (Carl von Ossietzky University of Oldenburg)

*Title:* Impacts of climate change on winter-spring transition in plankton communities

*Source:* Vermont Water Resources and Lake Studies Center

*Funding:* \$10,000

*Date of Award:* March 2016

*Principal Researcher:* A Hrycik (UVM)

*Co-Applicant:* **JD Stockwell**

*Title:* Enhancing Technological Capabilities for Research and Teaching at the Rubenstein Laboratory

*Source:* Lintilhac Foundation

*Funding:* \$15,000

*Date of Award:* October 2015

*Principal Researcher:* **JD Stockwell**

*Title:* A comparative study of internal nutrient loading in two eutrophic systems with varying degrees of anoxia

*Source:* Vermont Experimental Program to Stimulate Competitive Research (EPSCoR)

*Funding:* \$15,000

*Date of Award:* May 2015

*Principal Researcher:* **JD Stockwell**

*Co-Applicants:* D Joung (UVM); A Schroth (UVM)

*Title:* Mentoring Matters: Faculty Development to Enhance and Improve Undergraduate STEM Research Mentoring at UVM

*Source:* Office of the Provost, University of Vermont

*Funding:* \$4,000

*Date of Award:* May 2015

*Principal Researcher:* **JD Stockwell**

*Co-Principal Investigator:* L-A Dupigny-Giroux (UVM)

*Title:* REU Site: Interdisciplinary Research on Human Impacts in the Lake Champlain Ecosystem

*Source:* NSF

*Funding:* \$320,000

*Date of Award:* April 2014

*Principal Researcher:* **JD Stockwell**

*Co-Applicants:* B Bowden (UVM), B Chipman (VT Fish and Wildlife), Y Dubief (UVM), D Facey (St Michael's College), C Giles (UVM), L Herdman (UVM), C Koliba (UVM), J Kraft (UVM), S Levine (UVM), A Lini (UVM), E Marsden (UVM), D McCabe (St Michael's College), B Pientka (VT Fish and Wildlife), J Roman (UVM), A Schroth (UVM), M Wargo (UVM), A Zia (UVM)

*Title:* An acoustic telemetry array for Lake Champlain: investigating effects of aquatic habitat fragmentation on lake whitefish

*Source:* Vermont Water Resources and Lake Studies Center

*Funding:* \$40,000

*Date of Award:* February 2014

*Principal Researcher:* JE Marsden (UVM)

*Co-Applicants:* JD **Stockwell**

*Title:* An environmental monitoring buoy system to support research and learning at Shelburne Pond, Vermont

*Source:* Kelsey Trust

*Funding:* \$10,000

*Date of Award:* January 2014

*Principal Researcher:* JD **Stockwell**

*Co-Applicants:* B Wemple (UVM)

*Title:* Do cyanobacteria blooms short-circuit essential fatty acid transfer to fish?

*Source:* Vermont Experimental Program to Stimulate Competitive Research (EPSCoR)

*Funding:* \$15,000

*Date of Award:* September 2013

*Principal Researcher:* JD **Stockwell**

*Co-Applicants:* J Kraft (UVM)

*Title:* Lake Champlain Fish Ecology: A Mesocosm Approach to the Great Lakes

*Source:* Great Lakes Fishery Commission

*Funding:* \$950,000

*Date of Award:* September 2013 – August 2018

*Principal Researcher:* JE Marsden (UVM)

*Co-Applicants:* JD **Stockwell**

*Title:* ECHO Science-Technology Fellowship

*Source:* Integrated Museum and Library Services

*Funding:* \$300,000 (\$24,000 to UVM)

*Date of Award:* September 2012

*Principal Researcher:* M Loomis (ECHO Lake Aquarium and Science Center)

*Co-Applicants:* JD **Stockwell**, J Bond (Champlain College), K Howell (Champlain College)

*Title:* Comparative dynamics of a mid-trophic level omnivore in Lake Champlain: 1975 versus 2012

*Source:* Vermont Experimental Program to Stimulate Competitive Research (EPSCoR)

*Funding:* \$15,000

*Date of Award:* May 2012

*Principal Researcher:* JD **Stockwell**

*Co-Applicants:* None

*Title:* Community-based research to support the Maine lobster industry

*Source:* Maine Technology Asset Fund

*Funding:* \$530,000

*Date of Award:* October 2010

*Principal Researcher:* JD **Stockwell**

*Co-Applicants:* MJ Jech (NOAA), JJ Deroba (NOAA), DA Libby (Maine DMR), C Wilson (Maine DMR), P McCarron (Maine Lobstermen's Association), E Pelletier (Gulf of Maine Lobster Foundation)

*Title:* Evaluation of the importance of predator and prey fields and ocean circulation on Atlantic salmon (*Salmo salar*) growth and survival in the Gulf of Maine

*Source:* National Oceanic and Atmospheric Administration (NOAA)

*Funding:* \$300,000

*Date of Award:* August 2010

*Lead PI:* JD **Stockwell**

*Co-Applicants:* AJ Pershing (Univ Maine/GMRI)

*Title:* Using interdecadal comparisons to understand trade-offs between abundance and condition in fishery ecosystems

*Source:* NSF

*Funding:* \$480,000

*Date of Award:* July 2010

*Lead PI:* AJ Pershing (Univ Maine/GMRI)

*Co-Applicants:* JJ Deroba (NOAA), WJ Golet (Univ New Hampshire), JA Hare (NOAA), ME Lutcavage (Univ New Hampshire), DE Richardson (NOAA), JA Runge (Univ Maine/GMRI), GD Sherwood (GMRI), JD **Stockwell**, R Tien (Ohio State Univ)

*Title:* Alewife (*Alosa pseudoharengus*) migration patterns within the Mill Pond Drainage System

*Source:* U.S. National Park Service

*Funding:* \$5,000

*Date of Award:* April 2010

*Lead PI:* JD **Stockwell**

*Co-Applicants:* D Lamon (Somes-Meynell Wildlife Refuge)

*Title:* Application of broadband sonar technology for fisheries assessment and research

*Source:* Northeast Consortium

*Funding:* \$60,000

*Date of Award:* March 2010

*Lead PI:* JD **Stockwell**

*Co-Applicants:* TK Stanton (Woods Hole Oceanographic Institute), TC Weber (Univ New Hampshire), AJ Baukus (GMRI), M Bichrest (Fishing Vessel *Jennifer & Emily*)

*Title:* DeepCwind Consortium National Research Program: Pelagic Fish Surveys

*Source:* U.S. Department of Energy/University of Maine

*Funding:* \$200,000

*Date of Award:* February 2010

*Lead PI:* JD **Stockwell**

*Co-Applicants:* None.

*Title:* Quantification and definition of alewife (*Alosa pseudoharengus*) stock structure in coastal Maine watersheds

*Source:* National Fish and Wildlife Foundation

*Funding:* \$275,000

*Date of Award:* November 2009

*Lead PI:* JD **Stockwell**

*Co-Applicants:* T Willis (Univ Southern Maine), K Wilson (Univ Southern Maine)

*Title:* Can bottom-up effects influence energetic condition of Atlantic herring (*Clupea harengus*) in the Gulf of Maine?

*Source:* Large Pelagics Research Center/NOAA

*Funding:* \$145,000

*Date of Award:* September 2008

*Lead PI:* **JD Stockwell**

*Co-Applicants:* JA Runge (Univ Maine/GMRI), GD Sherwood (GMRI), AJ Pershing (Univ Maine/GMRI)

*Title:* Effects of trawling on Atlantic herring (*Clupea harengus*) aggregations

*Source:* NOAA

*Funding:* \$245,000

*Date of Award:* May 2008

*Lead PI:* **JD Stockwell**

*Co-Applicants:* J Annala (GMRI), D Salerno (GMRI), TC Weber (Univ New Hampshire)

*Title:* The importance of the larval stage to cisco (*Coregonus artedi*) recruitment variation in the Great Lakes

*Source:* U.S. Fish and Wildlife Service (USFWS)

*Funding:* \$225,000

*Date of Award:* May 2008

*Lead PI:* MP Ebener (Chippewa-Ottawa Resource Authority)

*Co-Applicants:* DL Yule (U.S. Geologic Survey (USGS)), R Claramunt (Michigan DNR), K Cullis (Ontario MNR), ML Jones (Michigan State Univ), S Moore (Grand Portage Band of Chippewas), H Quinlan (USFWS), E Roseman (USGS), S Schram (Wisconsin DNR), D Schreiner (Minnesota DNR), S Sitar (Michigan DNR), **JD Stockwell**<sup>1</sup>

*Title:* Evaluation of the importance of *Mysis diluviana* to the Lake Superior fish community

*Source:* Great Lakes Fishery Commission

*Funding:* \$97,000

*Date of Award:* June 2007

*Lead PI:* **JD Stockwell**

*Co-Applicants:* TR Hrabik (Univ Minnesota Duluth), OE Johannsson (Dept Fisheries Oceans Canada), CP Madenjian (USGS), ME Sierszen (US Environmental Protection Agency)

*Title:* Diel vertical migration in the Lake Superior offshore fish community: the role of migratory behavior in mediating energy flow across pelagic and benthic habitats

*Source:* Minnesota Sea Grant

*Funding:* \$215,000

*Date of Award:* September 2006

*Lead PI:* TR Hrabik (Univ Minnesota Duluth)

*Co-Applicants:* **JD Stockwell**

*Title:* Cooperative monitoring of the Lake Superior lower food web

*Source:* U.S. Environmental Protection Agency Great Lakes National Program Office

*Funding:* \$30,000

*Date of Award:* June 2006

*Lead PI:* **JD Stockwell**

*Co-Applicants:* None

*Title:* Lake Superior lower food web studies

*Source:* U.S. Environmental Protection Agency Mid-Continent Ecology Division

*Funding:* \$80,000

*Date of Award:* March 2006

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<sup>1</sup> I was the primary author of this proposal, which was written just prior to my departure from USGS to work at GMRI. The proposal was submitted through a colleague (Ebener) at a Native American tribal agency because of funding eligibility restrictions.



*Lead PI:* **JD Stockwell**

*Co-Applicants:* None

*Title:* Hydroacoustic assessment of Lake Superior pelagic prey fish and spawning cisco (*Coregonus artedi*)

*Source:* Chippewa-Ottawa Resource Authority

*Funding:* \$70,000

*Date of Award:* March 2006

*Lead PI:* **JD Stockwell**

*Co-Applicants:* DL Yule (USGS)

*Title:* Rainbow smelt (*Osmerus mordax*) and larval cisco (*Coregonus artedi*) interactions in Thunder and Black Bays, Ontario

*Source:* Ontario Ministry of Natural Resources

*Funding:* \$6,000

*Date of Award:* January 2006

*Lead PI:* **JD Stockwell**

*Co-Applicants:* DL Yule (USGS)

*Title:* Developing and testing models of cisco (*Coregonus artedi*) population dynamics in Lake Superior: application for restoration in the lower Great Lakes

*Source:* USFWS

*Funding:* \$93,000

*Date of Award:* June 2005

*Lead PI:* ML Jones (Michigan State Univ)

*Co-Applicants:* **JD Stockwell**<sup>2</sup>, DL Yule (USGS)

*Title:* Cooperative monitoring of the Lake Superior lower food web

*Source:* U.S. Environmental Protection Agency Great Lakes National Program Office

*Funding:* \$110,000

*Date of Award:* March 2005

*Lead PI:* **JD Stockwell**

*Co-Applicants:* None

*Title:* Assessment of cisco spawning populations in Black and Thunder Bays, Lake Superior

*Source:* Ontario Ministry of Natural Resources

*Funding:* \$34,000

*Date of Award:* February 2005

*Lead PI:* DL Yule (USGS)

*Co-Applicants:* **JD Stockwell**

*Title:* Habitat supply and trophic transfer in Lake Superior

*Source:* Minnesota Sea Grant

*Funding:* \$67,000

*Date of Award:* February 2005

*Lead PI:* TR Hrabik (Univ Minnesota Duluth)

*Co-Applicants:* **JD Stockwell**

*Title:* Ecological effects of reservoir operations on Blue Mesa Reservoir

*Source:* U.S. Bureau of Reclamation

*Funding:* \$40,000

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<sup>2</sup> I was primary author of this proposal. The proposal was submitted through a colleague (Jones) because of funding eligibility restrictions and the opportunity for the targeted student to work in Jones' laboratory at Michigan State University.

*Date of Award:* February 1997  
*Lead PI:* BM Johnson (Colorado State Univ)  
*Co-Applicants:* JD **Stockwell**

*Title:* Graduate Research Grant  
*Source:* Ontario Federation of Anglers and Hunters  
*Funding:* \$1,000 CND  
*Date of Award:* 1995  
*Lead PI:* JD **Stockwell**  
*Co-Applicants:* None

## **Technical Reports**

- Stockwell** JD, TV Wilson, KA Wilson. 2012. Alewife stock structure in the Gulf of Maine. Final Report to the National Fish and Wildlife Foundation. Award No. 2009-0503-013.
- Stockwell** JD, AJ Baukus, TC Weber, JM Jech. 2011. Effects of fishing on herring aggregations. Final report to NOAA National Marine Fisheries Service, 2008/2009 Herring Research-Set-Aside Program. Contract Number NA08NMF4540429.
- Stockwell** JD, D Lamon. 2011. Alewife migration patterns within the Mill Pond drainage system. Final Report for the L.L. Bean Acadia Research Fellowship, Acadia National Park, Bar Harbor, Maine.
- Schram ST, JD **Stockwell**, SP Sitar. 2010. Offshore fish community: burbot. *In* The state of Lake Superior in 2005. *Edited by* OT Gorman, MP Ebener, MR Vinson. Great Lakes Fish. Comm. Spec. Pub. 10-01.
- Stockwell** JD, DL Yule, TR Hrabik, ME Sierszen, MT Negus, OT Gorman, DR Schreiner, MP Ebener. 2010. Offshore fish community: ecological interactions. *In* The state of Lake Superior in 2005. *Edited by* OT Gorman, MP Ebener, MR Vinson. Great Lakes Fish. Comm. Spec. Pub. 10-01.
- Stockwell** JD, DL Yule, OT Gorman. 2010. Offshore fish community: prey fishes. *In* The state of Lake Superior in 2005. *Edited by* OT Gorman, MP Ebener, MR Vinson. Great Lakes Fish. Comm. Spec. Pub. 10-01.
- Gorman OT, JD **Stockwell**, DL Yule, TR Hrabik, MP Ebener, TC Pratt. 2010. Nearshore fish community: ecological interactions. *In* The state of Lake Superior in 2005. *Edited by* OT Gorman, MP Ebener, MR Vinson. Great Lakes Fish. Comm. Spec. Pub. 10-01.
- Isaac EJ, TR Hrabik, JD **Stockwell**, CP Madenjian, OE Johannsson. 2010. An Evaluation of the importance of *Mysis diluviana* to the Lake Superior fish community. Project Completion Report to the Great Lakes Fishery Commission, June 2010.
- Yule DL, JD **Stockwell**, OT Gorman, TC Pratt. 2010. Nearshore fish community: prey fishes. *In* The state of Lake Superior in 2005. *Edited by* OT Gorman, MP Ebener, MR Vinson. Great Lakes Fish. Comm. Spec. Pub. 10-01.
- Myers JT, ML Jones, JD **Stockwell**, DL Yule. 2009. Developing and testing models of cisco (*Coregonus artedii*) population dynamics in Lake Superior: implications for restoration in the lower Great Lakes. Final Project Report, Great Lakes Fish and Wildlife Restoration Act, FWS Agreement Number 301815G135. 31 August 2009. 77 pp.
- Stockwell** JD, DL Yule, LM Evrard, GA Cholwek, OT Gorman. 2007. Status and trends of prey fish populations in Lake Superior, 2006. Annual Report to the Great Lakes Fishery Commission. March 2007.
- Yule DL, JD **Stockwell**, L Evrard, G Cholwek, K Cullis, J Black. 2006. Comparison of commercial landings of cisco to acoustic estimates of abundance in Thunder Bay and Black Bay, Ontario. USGS Technical Report, 29 June 2006. 59 pp.
- Stockwell** JD, OT Gorman, DL Yule, LM Evrard, GA Cholwek. 2006. Status and trends of prey fish populations in Lake Superior, 2005. Annual Report to the Great Lakes Fishery Commission. March 2006.
- Stockwell** JD, OT Gorman, DM Mason. 2006. Development of a lake-wide acoustic monitoring program for Lake Superior pelagic fishes, Phase I: *in situ* relations of target strength to fish size and target classification. Completion Report to the U.S. Fish and Wildlife Restoration Act, Grant No. 301810N032.

- Stockwell** JD, LM Evrard, DL Yule, OT Gorman, GA. Cholwek. 2005. Status and trends of prey fish populations in Lake Superior 2004. Annual Report to the Great Lakes Fishery Commission. March 2005.
- Yule DL, **JD Stockwell**, GA Cholwek, LM Evrard, S Schram, M Seider, M Symbal. 2005. Pilot study to estimate lake herring spawner abundance and number of eggs deposited in a Lake Superior statistical grid. USGS Technical Report, 1 July 2005. 48 pp.
- Hrabik TR, M Balge, DL Yule, **JD Stockwell**, OT Gorman. 2005. Development of a lake-wide acoustic monitoring program for Lake Superior pelagic fishes. Interim Report to Ontario Ministry of Natural Resources. January 2005.
- Diodati PJ, **JD Stockwell**, D McCarron. 1999. Massachusetts 1998 Striped Bass Fisheries Monitoring Report. Annual Report to the Atlantic States Marine Fisheries Commission, Wash., D.C.
- Johnson BM, and **JD Stockwell**. 1998. Ecological Effects of Reservoir Operations at Blue Mesa Reservoir. Annual Progress Report to U.S. Bureau of Reclamation, Grand Junction, Colorado, 65 p.
- Johnson BM, **JD Stockwell**, KL Bonfantine. 1997. Ecological Effects of Reservoir Operations at Blue Mesa Reservoir. Annual Progress Report to U.S. Bureau of Reclamation, Grand Junction, Colorado, 144 p.

## Teaching Experience

### University of Vermont

- WFB 117 Scientific Writing and Interpretation (3 credits), Spring Semester 2016, 2017, 2019, 2020, 2021 (online), 2022 (online); Fall Semester 2017
- Guest lecturer in WFB 095 Introduction to Forestry and Wildlife, Spring Semester 2020, 2021, 2022
- NR 395 Readings in Aquatic Ecology (1 credit), Spring Semester 2019
- Guest lecturer in CLBI 394 Science Communication, Fall Semester 2017, 2018
- NSF Lake Champlain REU “Think Like a Scientist” Program, Summers 2014-2016
- WFB 185 Scientific Communication (3 credits), Fall Semester 2013
- NR 385 Topics in Aquatic Ecology (1 credit), Spring Semester 2013
- WFB 161 Fisheries Biology and Techniques (4 credits), Fall Semester 2012, 2014
- WFB 261 Fisheries Management (3 credits), Spring Semester 2012 (co-taught with Ellen Marsden), 2014, 2020
- NR 385 Aquatic Ecology and Watershed Science Seminar (1 credit), Spring Semester 2012
- Guest lecturer in WFB 161 Fisheries Biology and Techniques, Fall Semester 2013
- Guest field laboratory in CE 254 Environmental Quantitative Analysis, Fall Semester 2014
- Guest lecturer in FOR 185 Natural Resource Ecology and Assessment, Spring and Fall Semester 2015
- Guest field laboratory in FOR 195 (FOR 111) Natural Resource Ecology and Assessment, Fall 2016-2022
- Guest lecturer in FOR 195 (FOR 111) Natural Resource Ecology and Assessment, Fall Semester 2016, 2017, 2020
- Guest lecturer in AS 095 Major Decisions, Spring Semester 2015
- Guest lecturer in WFB 232 Ichthyology, Spring Semester 2015, 2017
- Guest lecturer in NR 103 Ecology, Spring Semester 2015
- Guest lecturer in NR 1 Natural History and Field Ecology, Fall Semester 2015-2019, 2021
- Guest lecturer in WFB 261 Fisheries Management, Spring Semester 2016

### State University of New York – Plattsburgh

- Guest lecturer in Freshwater Ecology, 2012

### University of Minnesota at Duluth

- Guest lecturer in Ichthyology, 2007

### The Jackson Laboratory

- Guest Instructor in Short Course on Gene Microarray Development and Analysis, 2002.
- Instructor in: Introduction to JMP; Basic Statistical Concepts in JMP; ANOVA and Regression in JMP, 2002-2003.

### Michigan State University

- Guest Lecturer in Fish Management, 1998.

Colorado State University

Guest Lecturer in Fishery Science, 1996.

University of Toronto

Teaching Assistant in: Animal Ecology, 1991-1992 and 1993-1994; Biostatistics, 1991-1992; General Ecology 1993; and Genetics, 1994.

Instructor in Animal Ecology, 1995.

Northland College

Teaching Assistant in General Biology, 1990-1991.

## Graduate Students and Postdoctoral Mentoring

### *Current Graduate Students and Post-Docs*

PhD	Anna Schmidt	University of Vermont	2021-202x	Advisor
PhD	Mia McReynolds	University of Vermont	2020-202x	Co-advisor
PhD	Rosaura Chapina	University of Vermont	2018-202x	Advisor
PhD	Natalie Flores	University of Vermont	2016-202x	Advisor
Post-Doc	Justin Lesser	University of Louisiana at Lafayette*	2021-202x	Co-mentor
Post-Doc	Marie-Pier Hébert	McGill University *	2022-202x	Mentor
Post-Doc	Bianca Possamai	Universidade Federal do Rio Grande*	2022-202x	Co-mentor

\*indicates received PhD from this university

### *Former Graduate Students and Post-Docs*

MSc	Hannah Lachance	University of Vermont	2017-2019	Advisor
MSc	Benjamin Block	University of Vermont	2017-2020	Co-advisor
MSc	Victoria Pinheiro	University of Vermont	2014-2015	Co-advisor
MSc	Peter Euclide	University of Vermont	2012-2014	Advisor
MSc	Mitchell Jones	University of Vermont	2012-2014	Advisor
MSc	Edmund Isaac	University of Minnesota-Duluth	2007-2010	Co-advisor
PhD	Dr. Taylor Stewart	University of Vermont	2016-2021	Advisor
PhD	Dr. Allison Hrycik	University of Vermont	2016-2021	Advisor
PhD	Dr. Brian O'Malley	University of Vermont	2014-2018	Advisor
PhD	Dr. Peter Isles	University of Vermont	2012-2016	Co-advisor
Post-Doc	Dr. Rosalie Bruel	Université Savoie Mont Blanc*	2018-2021	Mentor
Post-Doc	Professor Jennifer Brentrup	Miami University*	2020	Mentor
Post-Doc	Professor Jonathan Doubek	Virginia Tech*	2018-2019	Mentor
Post-Doc	Professor Emily Nodine	Florida International University*	2014-2015	Mentor
Post-Doc	Professor Carrie Byron	University of Rhode Island*	2011	Mentor
Post-Doc	Dr. Ariana Chiapella	Portland State University*	2019-2021	Mentor

\*indicates received PhD from this university

### *Current Graduate Student Committee Memberships*

PhD	Alison Hall	University of Vermont	2021-202x	Committee member
PhD	Katelynn Warner	University of Vermont	2020-202x	Committee member
PhD	Matthew Futia	University of Vermont	2018-202x	Committee member
PhD	Lauren Ashlock	University of Vermont	2017-202x	Committee member

### *Former Graduate Student Committee Memberships, External Evaluator, and Mentorships*

MSc	Lucie Laize-Général	École Normale Supérieure	2019	Internship mentor
MSc	Emily Shore	University of Vermont	2018-2020	Committee member
MSc	Pascal Wilkins	University of Vermont	2018-2020	Committee member

MSc	Katie Miller	University of Vermont	2014-2018	Committee member
MSc	Carrie Kozel	University of Vermont	2014-2016	Committee member
MSc	Lee Simard	University of Vermont	2014-2016	Committee member
MSc	Mark LaMay	SUNY-Plattsburgh	2013-2014	Committee member
MSc	Bret Ladago	University of Vermont	2012-2013	Committee member
MSc	Alice Nelson	University of Vermont	2012-2013	Committee member
MSc	Phoebe Jekielek	University of Maine	2011-2012	Committee member
MSc	Lee Cronin-Fine	Northeastern University	2011	Internship mentor
MSc	Ellen McCann-Labbe	University of Southern Maine	2010-2011	Mentor
MSc	Mathew Moretti	Northeastern University	2009	Internship mentor
MSc	Jared Myers	Michigan State University	2005-2008	Committee member
PhD	Matthew Futia	University of Vermont	2018-202x	Committee member
PhD	Alonso Cartuche	Université de Genève	2018	External evaluator
PhD	Ziyu Guan	Université de Genève	2018	External evaluator
PhD	Dr. Peter Euclide	University of Vermont	2015-2018	Committee member
PhD	Dr. Nicholas Fortin St-Gelais	Université Québec à Montréal	2017	External evaluator
PhD	Dr. Beth White	University of Vermont	2012-2016	Committee member
PhD	Dr. Jared Myers	Michigan State University	2009-2014	Committee member
PhD	Dr. Rebecca Gorney	University of Vermont	2011-2014	Committee member
PhD	Dr. Beth Holbrook	University of Minnesota-Duluth	2007-2011	Committee member
PhD	Dr. Matthew Balge	University of Minnesota-Duluth	2005-2012	Committee member
PhD	Dr. Allison Gamble	University of Minnesota-Duluth	2005-2010	Committee member

### Undergraduate Honors Theses (University of Vermont)

- Ivanick L. 2022. GLEON ZooST – Zooplankton over Space and Time.
- Goldfarb S. 2020. The effects of hypoxia on pelagic zooplankton population estimates and migration patterns.
- Sorrentino R. 2019. Spatio-temporal variation in total lipid content of stocked and wild juvenile lake trout (*Salvelinus namaycush*) in Lake Champlain.
- Grigel H. 2017. Under-ice phytoplankton vertical distribution in a shallow hypertrophic lake.
- Mitchell E. 2017. Are spring *Daphnia* dynamics controlled by phytoplankton quality in a hyper-eutrophic lake?
- Scorpio G. 2017. Using functional trait-based analysis to observe rotifer population dynamics within a hypertrophic lake.
- DeWitt R. 2016. Population structure of *Mysis diluviana* using mitochondrial and nuclear DNA in Lake Champlain.
- Strayer N. 2016. An optimal annual routine model of the diel vertical migration patterns of the macroinvertebrate *Mysis diluviana*.
- Iannucci F. 2015. Deeper effects of climate change: the influence of cyanobacterial blooms on fish metabolism.
- Mitchell CJ. 2014. Divergent behavior in the diel vertical migration of *Mysis diluviana*: is it plastic or fixed?
- Maher R. 2014. Too much, too fast? Investigating Pennsylvania’s rush for natural gas and its likeness to Newfoundland cod fishing.

### Undergraduate Student Mentoring

Ali Spiers	University of Vermont	2022-202x	Technician
Izzy Anderson	University of Vermont	2022-202x	Technician
Amelia Koval	University of Vermont	2021-202x	Technician
Spencer Mahne	University of Vermont	2021-202x	Technician
Elizabeth Beall	University of Vermont	2021-202x	Technician
Eric Minogue	University of Vermont	2021-202x	Technician
Chris Floreani	University of Vermont	2021-202x	Technician
Jack Knight	University of Vermont	2021-2022	Researcher

Elenore Alves	University of Vermont	2021-2022	Technician
Isabella Genoa	University of Vermont	2021-2021	Technician
Althea Deschenes	University of Vermont	2020-202x	Researcher
Carissa Finnerty	University of Vermont	2020-202x	Technician
David Luciano	University of Vermont	2020-202x	Technician
Shira Berkelhammer	University of Vermont	2020-202x	Researcher
Cecilia Vichi	University of Vermont	2020-202x	Researcher
Danielle Berger	University of Vermont	2019-2021	Researcher
Lia Ivanick	University of Vermont	2019-202x	Researcher
Madeline Lerz	University of Vermont	2019-2020	Technician
Savannah Zigic	University of Vermont	2019-2021	Researcher
Bethany Smith	University of Vermont	2019	Technician
Anya Steinhart	University of Vermont	2019	Technician
Jonathan Rickwood	University of Vermont	2018-202x	Technician
Sadye Goldfarb	University of Vermont	2018-2020	Researcher
Undraa Irvin	University of Vermont	2018-2020	Technician
Victoria Giacchino	University of Vermont	2018-2019	Technician
Grace Ireland	University of Vermont	2018-2019	Technician
Christopher Liazos	University of Vermont	2018-2020	Technician
Beth Carroll	University of Vermont)	2018	Technician
Jeremy Howland	University of Vermont	2018	Technician
Delaney Stokes	University of Vermont	2018-2019	Researcher
Maddie Sorrentino	University of Vermont	2016-2019	Researcher
Kayla Morrison	University of Vermont	2016-2017	Technician
Alex Taylor	University of Vermont	2016-2017	Technician
Jessica Griffin	University of Connecticut	2016-2017	Researcher
Shannon McFarland	Western Connecticut State University	2016-2017	Researcher
Jeni Knight	Eastern Michigan University	2016-2017	Researcher
Grace Scorpio	University of Vermont	2015-2017	Researcher
Jessie Gordon	University of Vermont	2015-2017	Technician
Pascal Wilkins	University of Vermont	2015-2016	Researcher
Kevin Melman	University of Vermont	2015-2016	Researcher
John Truong	University of Vermont	2015-2016	Technician
Margot Gagnon	University of Vermont	2015	Technician
Ben Ramcharitar	Middlebury College	2015	Researcher
Madeline Kelsey	Salisbury University	2015-2016	Researcher
Teyana Adams	Central State University	2015	Researcher
Katie Bockwoldt	Roanoke College	2015-2016	Researcher
Elise Mitchell	University of Vermont	2015-2017	Researcher
Monisha Sugla	Rutgers University	2014-2016	Researcher
Haley Grigel	University of Vermont	2014-2017	Researcher
Hannah Lister	University of Vermont	2014-2017	Researcher
Anastasia Procacinni	University of Vermont	2014-2015	Technician
Megan Shannahan	University of Vermont	2014-2015	Technician
Hannah Weiss	University of Vermont	2013-2015	Technician
Jessica Mailhot	University of Vermont	2013-2014	Researcher
Jake Calvitti	University of Vermont	2013-2017	Researcher
Ben Szydowski	University of Vermont	2013-2014	Technician
Rebecca Dillon	University of Vermont	2013-2015	Researcher
Nick Strayer	University of Vermont	2013-2015	Researcher

Rachael DeWitt	University of Vermont	2013-2016	Researcher
Thornton Ritz	University of Vermont	2013-2014	Researcher
Verónica Matta Rosa	Universidad Metropolitana	2013	Researcher
Katie Ritchie	University of Vermont	2013	Researcher
Ryan Cross	University of Vermont	2013	Researcher
Marissa Giroux	University of Maine	2012	Technician
Hannah Rickner	University of Vermont	2012	Technician
Beth Rutila	University of Vermont	2012	Technician
Frances Iannucci	University of Vermont	2012-2015	Researcher
Suzanne Ball	University of Vermont	2011-2013	Researcher
Chelsea Mitchell	University of Vermont	2011-2013	Researcher
Molly Morrissey	University of Vermont	2011-2012	Researcher
Samantha Bond	University of Maine	2011	Technician
Katie Wurtzell	Cornell University	2011	Researcher
Pamela Moriarty	Kenyon College	2011	Researcher
Kimberly Little	University of New Hampshire	2010	Technician
Melissa Genazzio	University of Rhode Island	2010	Technician
Kaylyn Becker	University of Maine	2010	Researcher
Nicole Waite	University of New England	2009	Technician
Jacqueline Boudreau	Florida Atlantic University	2008-2009	Technician
Elizabeth Wetterhahn	University of New England	2008-2009	Technician
Melissa Kjelvik	Northland College	2006-2007	Technician
Edmund Isaac	Northland College	2004-2005	Technician
Jared Myers	Northland College	2004-2005	Technician
Tamara Lipsey	Michigan State University	1998	Researcher
Krista Bonfantine	Colorado State University	1997	Researcher

### **Undergraduate Research Funding**

Althea Deschenes – Summer 2022 Office of Fellowships, Opportunities, and Undergraduate Research (FOUR) Summer Undergraduate Research Fellowship (SURF) Award	\$5,000
Lia Ivanick – Summer 2020 OUR SURF Award	\$5,000
Savannah Zigic – Summer 2019 OUR SURF Award	\$5,000
Sadye Goldfarb – Summer 2019 OUR SURF Award	\$5,000
Maddie Sorrentino – Autumn 2018 FOUR Mini-Grant	\$300
Kevin Melman – Summer 2017 Lake Champlain Research Consortium Grant	\$2,000
Haley Grigel – Spring 2016 FOUR Mini-Grant	\$460
Haley Grigel – Summer 2016 FOUR SURF Award	\$5,000
Elise Mitchell – Summer 2016 FOUR SURF Award	\$5,000
Hannah Lister – Summer 2015 National Science Foundation (NSF) Noyce Scholar Award	\$5,000
Elise Mitchell – Summer 2015 FOUR Research Stipend	\$3,500
Becca Dillon – Autumn 2014 FOUR Mini Grant	\$500
Becca Dillon – Summer 2014 Kate Svitek Memorial Award	\$1,000
Becca Dillon – Summer 2014 FOUR Mini Grant	\$1,000
Frances Iannucci – 2014 Summer OUR Mini Grant	\$500
Rachael DeWitt, Jake Calvitti, Bradley Roy – Spring 2014 FOUR Mini Grant	\$1,000
Genevieve Meller, Jessica Mailhot, Ben Szydowski, Hannah Weiss – Spring 2014 FOUR Mini Grant	\$1,000
Nick Strayer – Summer 2013 FOUR Mini Grant	\$1,000
Nick Strayer – Summer 2013 FOUR Research Stipend	\$3,500
Katie Ritchie – 2013 URECA! Award	\$4,000
Katie Ritchie – Summer 2013 FOUR Mini Grant	\$1,000

Frances Iannucci – Summer 2013 Kate Svitek Memorial Award	\$1,000
Frances Iannucci – Summer 2013 FOUR Travel Award	\$1,000
Frances Iannucci – Summer 2013 FOUR SURF	\$5,000
Frances Iannucci – Spring 2013 FOUR Mini Grant	\$1,200
Suzanne Ball – Spring 2013 Lake Champlain Research Consortium Travel Grant	\$500
Suzanne Ball – 2013 ASLO Travel Award	\$500
Suzanne Ball – Autumn 2012 FOUR Mini-Grant	\$500
Chelsea Mitchell – Summer 2012 FOUR Mini Grant	\$2,000
Chelsea Mitchell – 2012 Rubenstein Ecosystem Science Fellowship	\$7,500
Chelsea Mitchell – 2012 Honors College Undergraduate Research Opportunities Program (UROP) Grant	\$300
Chelsea Mitchell – Autumn 2012 FOUR Mini-Grant	\$500
Chelsea Mitchell – 2012 Lake Champlain Research Consortium Travel Grant	\$500
Molly Morrissey – Fall 2011 FOUR Mini-Grant	\$300

### Professional Societies/Organizations

American Association for the Advancement of Science  
GLEON (Global Lakes Ecology Observatory Network)  
International Association of Great Lakes Research  
American Fisheries Society  
Society for Advancement of Chicanos/Hispanics and Native Americans in Science

### Service, Professional Activities, Workshops, and Committees

Role	Activity/Organization	Year
Manuscript Reviewer	Canadian Journal of Fisheries and Aquatic Sciences, Ecological Applications, Ecology, Fisheries Research, Journal of Experimental Marine Biology and Ecology, North American Journal of Fish Management, ICES Journal of Marine Science, Journal of Great Lakes Research, Marine Ecology Progress Series, Oecologia, Transactions of the American Fisheries Society, Fisheries Oceanography, Fisheries and Management Ecology, Aquatic Ecology, Marine and Coastal Fisheries, Hydrobiologia, Freshwater Biology, Reviews in Fish Biology and Fisheries, Limnology and Oceanography Letters, Global Change Biology	Career
Grant Reviewer	European Research Council Consolidator Grants, Great Lakes Fishery Trust, Great Lakes Fishery Commission, National Science Foundation, North Pacific Research Board, Minnesota Sea Grant, National Fish and Wildlife Foundation, UW-Milwaukee’s Research Growth Initiative, Maryland Sea Grant, Czechoslovakia Science Foundation	Career
Co-host, Organizing Committee, Program Committee	Global Lake Ecological Observatory Network (GLEON 2022) All-Hands’ Meeting, Lake George, USA	2022
Session Co-Organizer	Effects of environmental variability and extremes on freshwater systems - from individuals to ecosystems, 36 <sup>th</sup> Congress of the International Society of Limnology, Berlin, DE	2022
Peer Review Panel	Great Lakes Fishery Trust	2022-2025
Panel Member	Dealing with Imperfections in Research, Rubenstein Graduate Student Association, UVM	2022



Consultant	COST Action “Applications for zoosporic parasites in aquatic systems” – consult with working group moderators to create inclusive team environments	2021
Panel Member	“Writing an Effective Peer Review”, University of Vermont (UVM) Rubenstein School of Natural Resources	2021
Organizing Committee	GLEON 21.5 Virtual Meeting	2021
Organizer	Special Session “Tracing change in food webs: current and emergent methods to determine impacts of anthropogenic change on ecosystem structure and function”, ASLO Aquatic Sciences Meeting, Madison, USA (cancelled due to COVID-19)	2020
Council of Science Advisors	The FUND for Lake George, New York	2020-202x
Science Review Panel	Lake Trout Suppression in Yellowstone Lake, U.S. National Park Service	2020-202x
Chair, Search Committee	Research Vessel Captain, UVM	2019-2020
Invited Participant	GRIL Winter Limnology Workshop, Université du Québec à Montréal	2019
Organizing Committee	GLEON 20.5 Virtual Meeting	2018-2019
Professional Standards Committee	UVM	2018-202x
Member (Chair in 2020)	Committee for Inclusive Collaboration, GLEON	2018-202x
Invited Presenter	“Using Math to Learn about Foraging Ecology and Giving-Up Time”, VSTEM Workshop for K-12 Teachers	2017
Grant Reviewer	Office of Fellowships, Opportunities, and Undergraduate Research (FOUR), UVM	2012-202x
Workshop Co-Organizer and Facilitator	Global Evaluation of the Impacts of Storms on Freshwater Habitat and Structure of Phytoplankton Assemblages, Centre de Synthèse et d’Analyse sur la Biodiversité, Aix-en-Provence and Montpellier, France, and Fort Collins, USA	2016-2019 (six workshops total)
Visiting Scientist	Institute of Urban Environment, Chinese Academy of Sciences, Ningbo, China	2016/2017
Panel Member	“From Research to Practice and Back”, UVM Rubenstein School of Environment and Natural Resources	2017
Organizer and Facilitator	Girls Who Code Club, Charlotte Central School, Charlotte, Vermont	2016-2017
Invited Presenter	First-Year Science Snelling Team, Champlain Valley Union High School, Hinesberg, Vermont	2016
Search Committee	Undergraduate Research Coordinator, FOUR, UVM	2016
Chair, Search Committee	Tenure Track Assistant Professor in Limnology, UVM Rubenstein School of Environment and Natural Resources	2015-2016
Site Visit Committee	Natural Sciences and Engineering Research Council (NSERC) of Canada, Strategic Partnerships Grant Network, University of Windsor, Canada	2016
Participant and Mentor	Northeast GLEON Workshop for Undergraduates, Cary Institute for Ecosystem Studies, Millbrook, USA	2016, 2017
Invited Presenter	“Using Math to Learn about Predation”, VSTEM Workshop for K-12 Teachers	2016
Planning Committee	GLEON 18 All-Hands Meeting, Lunz am See & Gaming, Austria	2016

Participant	Workshops on Science Writing for Students – “Developing a Science Writing Course: Principles and Curriculum” and “Integrating Writing into Existing Courses”	2015
Facilitator	GLEON zUSA Working Group Data Analysis Workshop	2015
Facilitator	Faculty Development Seminar on Undergraduate STEM Mentoring, UVM Center for Teaching and Learning	2015
Invited Presenter	VSTEM Summer Workshop for K-12 Teachers	2015
Organizer and Host	Annual Great Lakes Research Conference, UVM	2015
Facilitator	Undergraduate Research Mentoring Workshop, Lake Champlain National Science Foundation (NSF) Research Experience for Undergraduates (REU), UVM	2015
Co-Facilitator	NSF Vermont Experimental Program to Stimulate Competitive Research (EPSCoR) Mentor Diversity Training Workshop for Research on Adaptation to Climate Change (RACC) program, UVM	2015
Mentor	Project development for Vermont State Science and Math Fair, South Burlington High School Students, South Burlington, Vermont	2015, 2016
Judge	Vermont Odyssey of the Mind	2015
Invited Participant	National Research Mentoring Network, Facilitating Mentor and Mentee Training Workshop	2015
Chair, Search Committee	Tenure Track Assistant Professor, UVM Extension and Lake Champlain Sea Grant	2014-2015
Member	NSF BIO REU Sites Review Panel	2014, 2015, 2016
Host and Co-Facilitator	CREST: Champlain Research Experience for Science Teachers Workshop, UVM	2014-2017, 2019-2020
Invited Speaker and Panel Member	Climate Change Adaptation: Aquatic Ecosystem Impacts Workshop, Lake Champlain Basin Program	2014
Member	Vermont State Science and Math Fair Scientific Review Board	2014
Member	Technical Advisory Committee of the Lake Champlain Basin Program	2013-2015
Participant	“Developing and Evaluating Critical Thinking Skills”, Honors College Faculty Seminar	2013
Organizer and Host	Lake Champlain Research Consortium Faculty Networking Event	2013
Organizer and Host	Lake Champlain Research Consortium Student Research Symposium	2013
Participant	Writing in the Disciplines Institute, UVM Center for Teaching and Learning	2013
Participant	“Writing Your Teaching Philosophy”, UVM Center for Teaching and Learning	2013
Panel Member	“Careers in Natural Resources”, UVM Wildlife & Fisheries Society	2012
Invited Participant	Native Fish Restoration Workshop, Great Lakes Fishery Commission, Ann Arbor, USA	2012
Board Member	Lake Champlain Research Consortium	2012-202x
Member	Diversity Task Force, UVM Rubenstein School of Environment and Natural Resources	2012-2013
Member	Core Curriculum Committee, UVM Rubenstein School of Environment and Natural Resources	2012-2014
Participant	“Beyond the Red Ink”, UVM Center for Teaching and Learning	2012

Participant	Writing in the Disciplines Mini-Institute on Effective Grading, UVM Center for Teaching and Learning	2012
Invited Speaker	Invasion of the Spiny Water Flea ( <i>Bythotrephes longimus</i> ), Lake Champlain Rapid Response Task Force	2012
Participant	Workshop on Critical Thinking Assessment Test Training, UVM Center for Teaching and Learning	2012
Organizer and Moderator	Symposium “Diel Vertical Migration: Scaling Down From Populations to Individuals”, American Fisheries Society National Meeting, St. Paul, Minnesota	2012
Panel Member	“Life after your PhD”, UVM Rubenstein School Graduate Student Workshop	2012
Panel Member	Lake Champlain Marinas Annual Meeting	2012
Judge	2012 Vermont State Science and Math Fair	2012
Participant	Discussion group on the book “Teaching for Critical Thinking Skills”, UVM Center for Teaching and Learning	2012
Participant	“Excellence in Teaching”, UVM Center for Teaching and Learning	2012
Chair, Search Committee	Research Vessel Captain, UVM Rubenstein School of Environment and Natural Resources	2011-2012
Participant	“When the Classroom Gets Odd: Suggestions for Difficult Teaching Moments”, UVM Center for Teaching and Learning	2011
Panel Member	Scientific Misconduct Formal Inquiry Review Panel, UVM	2011-2012
Member	Undergraduate Research Advisory Committee, University of Vermont	2011-2016
Participant	Workshop “Teaching Critical Thinking” with Dr. Stephen Brookfield, UVM Center for Teaching and Learning	2011
Participant	Workshop “Advance Your Scholarship with Undergraduate Researchers: Strategies, Considerations, and Resources”, Community-University Partnerships and UVM Office of Undergraduate Research	2011
Member	Lake Champlain Sea Grant Research Review Panel	2011
Participant	“Tips for Great Class Discussions”, UVM Center for Teaching and Learning	2011
Participant	River Herring Keystone Initiative – Restoration Priority Setting Meeting, National Fish and Wildlife Foundation, Portland, Maine	2011
Invited Panelist	Wind Energy and Wildlife Forum, The Wildlife Society, Orono, Maine	2011
Invited Panelist	Fishermen’s Climate Roundtables, The Island Institute, Rockland, Maine	2011
Invited Panelist	Maine Department of Marine Resources, Herring Research Priorities, Fishermen’s Forum, Rockland, Maine	2011
Reviewer	Book proposal on alewife, Cornell University Press	2010
Steering Committee	Workshop “Application of new tools and technologies for understanding and managing marine ecosystems”, Cooperative Institute for the North Atlantic Region	2010-2011
Steering Committee	Workshop “Population connectivity and associated spatial and temporal scales in the east coast of the United States”, Cooperative Institute for the North Atlantic Region	2010-2011
Invited Speaker	Workshop “Atlantic Herring Research Priorities”, Maine Department of Marine Resources, Portland, Maine	2010

Participant	Workshop “River Herring”, National Fish and Wildlife Foundation. Portland, Maine	2010
Panelist	Environmental and Ecological Monitoring, First Annual Maine Offshore Deepwater Wind Conference, Northport, Maine	2010
Participant	Workshop “Ecosystem-Based Fisheries Management”, New England Fishery Management Council and Science and Statistical Committee, Newport, Rhode Island	2009
Participant	Upper Trophic Level Predators Working Group, Gulf of Maine Area Program for Census of Marine Life	2009
Participant	Workshop “Exploring Fine-Scale Ecology for Groundfish in the Gulf of Maine and Georges Bank”, York, Maine	2009
Member	New England Fisheries Management Council’s Herring Plan Development Team	2008-2011
Steering Committee	Workshops on the Nearshore Migration of Atlantic salmon in the Gulf of Maine Region	2007-2011
Participant	ICES International Symposium on Herring: Linking Biology, Ecology and Population Status in the Context of Changing Environments. Galway, Ireland	2008
Participant	SEAFACts - Symposium on Ecosystem Approaches for Fisheries and Complementary Technologies. Bergen, Norway	2008
Site Selection Team	National Oceanic and Atmospheric Administration National Estuarine Research Reserve Project, Lake Superior, Wisconsin	2006-2007
Reviewer	Long-Term Monitoring Plan for US National Park Service Great Lakes Network	2006
Member	Lake Superior Technical Committee of the Great Lakes Fishery Commission	2004-2007
Member	Aquatic Communities Committee of the Lake Superior Bi-National Program	2004-2007
Co-chair	Lower Trophic Level Work Group of Lake Superior Technical Committee	2004-2007
Co-organizer	Workshop “Developing and testing models of lake herring population dynamics in Lake Superior: application for restoration in the lower Great Lakes”, Romulus, Michigan	2006
Participant	Workshop “Reintroduction of Native Fishes Research Coordination”, Great Lakes Fishery Commission, Ypsilanti, Michigan	2006
Member	Strategic Science Plan Committee, Great Lakes Science Center, US Geological Survey	2004-2005
Member	Atlantic States Marine Fisheries Commission Striped Bass Stock Assessment Subcommittee	1999-2000
Member	Atlantic States Marine Fisheries Commission Striped Bass Tagging Group	1999-2000
Judge	Student Presentations, Great Lakes Research Conference, Hamilton, Ontario	1998
Moderator	Zooplankton Session, American Society of Limnology and Oceanography Annual Meeting, Reno, Nevada	1995

## **Invited Seminars**

Buffalo State University, USA, 2020  
Lake Champlain Sea Grant, USA, 2020  
Nederlands Instituut voor Ecologie, Netherlands, 2018  
Centre for Ecology and Hydrology, UK, 2018  
Université de Genève, Switzerland, 2018  
Université de Lausanne, Switzerland, 2018  
Newport Research Facility, Marine Institute, Ireland, 2018  
Tvarminne Zoological Station, University of Helsinki, 2018  
Keynote Speaker, Northeast Regional Association for Science Teacher Education Conference, 2017  
Urban Institute of the Environment, Chinese Academy of Sciences, Ningbo, China, 2017  
Ningbo Institute of Technology, Zhejiang University, Ningbo, China, 2017  
University of Toronto, Canada, 2015  
Cornell University, USA, 2014  
Stockholm University, Sweden, 2012  
Michigan State University, USA, 2012  
State University of New York – Plattsburgh, USA, 2011  
Rutgers University, USA, 2011  
Somes-Meynell Wildlife Sanctuary, USA, 2010  
College of the Atlantic, USA, 2010  
Department of Biology, University of Minnesota-Duluth, USA, 2010  
Maine Department of Marine Resources, USA, 2009  
University of Southern Maine, USA, 2008  
Mid-Continent Ecology Division, U.S. Environmental Protection Agency, USA, 2007  
Department of Biology, University of Minnesota-Duluth, USA, 2004  
Pacific Biological Station, Department of Fisheries and Oceans Canada, Canada, 1998  
Department of Fisheries and Wildlife, Utah State University, USA, 1996  
Horn Point Environmental Laboratory, University of Maryland, USA, 1996  
Maple Fisheries Research Unit, Ontario Ministry of Natural Resources, Canada, 1995  
Oneida Lake Field Station, Cornell University, USA, 1995

## **Technical Training Received**

### *Leadership/Management*

National Conservation Leadership Institute Fellows Program, November 2007 to April 2008.  
Leadership 201. USGS (Five-day workshop). July 2006  
Leadership 101. USGS (Five-day workshop). February 2005.  
Managing for Excellence. KSH Strategyhouse (Two-day workshop). March 2002.  
Project Management II. Cambridge Group (Two-day workshop). March 2002.  
Project Management I. Cambridge Group (Two-day workshop). October 2001.

### *Statistical and Miscellaneous*

EdgeTech Sonar Training Seminar, EdgeTech Marine. (Three-day workshop). September 2009.  
Motorboat Operator Certification Course, USFWS. July 2004.  
JMP Software: ANOVA and Regression. SAS Institute, Inc. (Two-day workshop). April 2003.  
SAS Programming I: Essentials. SAS Institute, Inc. (Three-day workshop). April 2003.  
JMP Software: Statistical Data Exploration. SAS Institute, Inc. (One-day workshop). March 2003.  
Applied Statistical Methods and Advanced Programming for Microarray Studies in R/Splu. XLSolutions Corporation (Two-day workshop). October 2002.

## Public Outreach

- Science Magazine, Interviewed by journalist Susan Cosier about GLWiN (Great Lakes Winter Network) “Winter Grab”, a week-long sampling effort across the Great Lakes to learn baseline information about winter limnology, February 2022.
- Interviewed by Professor Declan McCabe for Northern Woodlands Magazine about winter lake ecology research. Picked up by local newspapers (e.g., <https://www.waterburyroundabout.org/community-archive/b23as71dwz7o1fclfvfquoaq0jpsrt>) and made into a podcast for “Nature Snippets” <https://naturesnippets292666997.wordpress.com/2022/03/12/plankton-under-ice-with-dr-ariana-chiapella-and-dr-jason-stockwell/>
- Zoom A Scientist, Lake Champlain Sea Grant, “Squeezing the Middle of Lake Champlain’s Food Web”, May 2020.
- Interviewed by The Grist, Inverse.com, and Cottage Life, and featured on “The Freshwater Blog” for Stockwell et al. (2020) storm review paper, Winter 2020.
- Panel Member, Community Discussion and Film Screening of “Lake Effect”, Lewis Creek Association, Ferrisburgh, Vermont, October 2019.
- Public programs on R/V *Melosira*, “Jr. Scientist for a Day” and “What Lies Beneath the Lake”, co-organized with Lake Champlain International, five trips, 2013.
- WPTZ, Channel 5. Interviewed for evening news report on “River Monsters” episode about sea lamprey in Lake Champlain.
- UVM Across the Fence. Interviewed about student participation in the Annual UVM Student Research Conference.
- Northeast Region Space Grant Consortium, Annual Meeting, Invited Banquet Speaker. July 2012.
- WCAX, Channel 3. Interviewed on “The :30 Show” regarding the discovery of the invasive spiny water flea in the Champlain Canal and what it may mean for Lake Champlain. July 2012.
- Vermont Public Television, Interviewed for “Emerging Science”, June 2012.
- University of Vermont, “Learning on the Lake”, <http://www.uvm.edu/~uvmpr/?Page=news&&storyID=13013&category=ucommhpfeatures&SM=newssub.html>
- Maine Lobstermen’s Association, Interviewed by Hannah Wheeler for article “Little alewives have big impact”, MLA Monthly Newsletter Vol. 18(6). June 2010.
- Portland Press Herald, Interviewed by Beth Quimby for front page story on alewife research, 2010.
- Great Lakes Echo, Interviewed by Jeff Gillies about alewife impacts in the Great Lakes, <http://greatlakesecho.org/2009/09/04/special-report-the-alewife-question/>
- WRNC, 97.7 FM. Interviewed on “The Upshot” for Lake Superior research, 2007.
- Apostle Islands Sportfishing Association, Ashland, Wisconsin, 2006.
- Andover Flyfishers, Andover, Massachusetts, 2000.
- Massachusetts Division of Marine Fisheries Public Hearings, Gloucester and Buzzards Bay, Massachusetts, 2000.
- New Inlet Boating Association, Marshfield, Massachusetts, 1999.
- Fishermen’s Forum, Massachusetts Maritime Academy, Buzzards Bay, Massachusetts, 1999.
- Cape Cod Salties Fishing Club, Dennis, Massachusetts, 1999.
- Cape Cod Charterboat Association, Bourne, Massachusetts, 1999.

## Oral Presentations – Professional Society Meetings (\*undergraduate, \*\*graduate student, \*\*\*post-doc)

- Stockwell JD and 49 co-authors. 2022. Can space-for-time-substitution surveys represent zooplankton biodiversity patterns and their relationship to environmental drivers? 36<sup>th</sup> Congress of the International Society of Limnology. Berlin, Germany.
- Berkelhammer\* S, AT McReynolds\*\*, B Marcy-Quay\*\*\*, JD Stockwell, JE Marsden. 2022. Assessment of genetic differentiation of Burbot (*Lota lota*) in a fragmented lake. Ecological Society of American Annual Meeting, Montreal, Quebec.

- Lesser\*\*\* J, R Bruel, JD **Stockwell**, JE Marsden. 2022. Modeling the impact of alewife invasion on the food webs of Lake Champlain. Lake Champlain Research Conference, Burlington, Vermont.
- Chiapella\*\*\* AM, JD **Stockwell**, MJ Kainz, JE Marsden. 2022. Using a variety of diet tracers can help managers stay one step ahead of the next big invasion. Lake Champlain Research Conference, Burlington, Vermont.
- Lachance\*\* H, AS Ackiss, WA Larson, JD **Stockwell**. 2022. Genomics reveals identity, phenology and population demographics of larval ciscoes in the Apostle Islands, Lake Superior. Joint Aquatic Sciences Meeting, Grand Rapids, Michigan.
- Lesser\*\*\* J, R Bruel, JE Marsden, JD **Stockwell**. 2022. Modeling the impact of alewife invasion on the food webs of Lake Champlain. Joint Aquatic Sciences Meeting, Grand Rapids, Michigan.
- Flores\*\* N, T Miller, JD **Stockwell**. 2022. Toxic cyanobacterial blooms in a eutrophic lake: evaluating the detection of microcystins in select fish species. 60<sup>th</sup> Annual Northeast Algal Symposium. Burlington, Vermont.
- Hrycik AR, PDF Isles, DC Pierson, JD **Stockwell**. 2021. Winter/spring runoff is earlier, more protracted, and increasing in volume in the Laurentian Great Lakes Basin." American Geophysical Union Fall Meeting, New Orleans, Louisiana.
- Chiapella\*\*\* AM, JE Marsden, M Kainz, JD **Stockwell**. 2021. One step ahead: dietary tracers may help managers better adapt to invasions. Applications of Stable Isotope Techniques to Ecological Studies. [Virtual Talk]
- Stockwell** JD, R Adrian, O Anneville, J Brentrup, R Bruel\*\*\*, L Carvalho, JP Doubek, G Dur, A Lewandowska, V Patil, J Rusak, N Salmaso, SJ Thackeray, P Urrutia-Cordero, RI Woolway. 2021. A global dataset on weather, lake physics, and phytoplankton dynamics. Symposium for European Freshwater Sciences. [Virtual Talk]
- Chiapella\*\*\* AM, JE Marsden, M Kainz, JD **Stockwell**. 2021. One step ahead: dietary tracers may help managers better adapt to invasions. Symposium for European Freshwater Sciences. [Virtual Talk]
- Stockwell** JD, JP Doubek, RJ Chapina\*\*, S Fiorini, SK Goldfarb, G Lacroix, J Rickwood\*, HL Wander, S Zigic\*. 2021. Zooplankton diel vertical and horizontal migration across dissolved oxygen concentrations in replicated lake systems. 2<sup>nd</sup> International Aquatic Mesocosm Research Symposium. [Virtual talk]
- Stewart\*\* TR, M Makinen, C Brun, C Goulon, J Guillard, T Marjomäki, E Lasne, J Karjalainen, JD **Stockwell**. 2020. Influence of changing lake temperatures on coregonine embryogenesis at local to global scales. 14<sup>th</sup> International Symposium on the Biology and Management of Coregonid Fishes. [Virtual Talk] <https://vimeo.com/429111068>
- Bruel\*\*\* R, A Naccarato\*, JD **Stockwell**, JE Marsden. 2019. Trophic-dynamic viewpoint of Lake Champlain fish populations evolution under environmental changes. International Association of Great Lakes Research Annual Meeting, Brockport, New York.
- Hrycik\*\* AR, JD **Stockwell**. 2019. Under-ice mesocosms to test interactions of light limitation and zooplankton grazing on phytoplankton communities. ASLO Aquatic Sciences Meeting, San Juan, Puerto Rico.
- Block\*\* BD, JE Marsden, JD **Stockwell**. 2019. The importance of winter foraging by thermally-dissimilar fish species. New York American Fisheries Society Meeting, Poughkeepsie, New York.
- Lachance\*\* H, TR Stewart\*\*, T Krabbenhoft, M Pespeni, JD **Stockwell**. 2019. Shedding light on an understudied environmental factor; How does light impact cisco eggs and larvae? New York American Fisheries Society Meeting, Poughkeepsie, New York.
- O'Malley\*\* BP, RJ Chapina\*\*, JD **Stockwell**. 2019. A remote video camera system to observe behavior, abundance, and predator-prey interactions of deep-water organisms. New York American Fisheries Society Meeting, Poughkeepsie, New York.
- Bruel\*\*\* R, JD **Stockwell**, JE Marsden. 2019. Informing lake trout population management in Lake Champlain with an ecosystem-based approach. New York American Fisheries Society Meeting, Poughkeepsie, New York.
- Anneville O, V Patil, JD **Stockwell**, J Doubek\*\*\*, N Salmaso, G Dur, JA Rusak, P Venail, I-S Matsuzaki, LG Rudstam. 2018. Global evaluation of the impacts of storms on freshwater habitat and structure of phytoplankton assemblages. International Conference on Ecological Sciences, Rennes, France.

- Ozersky T, S Hampton, S Labou, S Powers, K Shchapov, JD **Stockwell**. 2018. Predictors of plankton abundance and community composition differ between winter and summer in seasonally frozen lakes. ASLO Aquatic Sciences Meeting, Victoria, British Columbia.
- Stewart\*\* TR, E Lasne, C Goulon, J Guillard, MR Vinson, JD **Stockwell**. 2018. Coregonines in the face of climate change: a collaborative global experiment. American Fisheries Society Annual Meeting, Atlantic City, New Jersey.
- Burns\*\* WG, T Smith\*, B Banco\*, JD **Stockwell**, AW Schroth. 2018. Similar and contrasting drivers of nutrient and cyanobacteria dynamics in two adjacent shallow, eutrophic bays in Lake Champlain. 53<sup>rd</sup> Annual Meeting of the Northeast Section of the Geological Society of America, Burlington, Vermont.
- Burns\*\* WG, T Smith\*, B Banco\*, JD **Stockwell**, AW Schroth. 2018. Similar and contrasting drivers of nutrient and cyanobacteria dynamics in two adjacent shallow, eutrophic bays in Lake Champlain. Lake Champlain Research Conference, Burlington, Vermont.
- Hrycik\*\* AR, A Shambaugh, JD **Stockwell**. 2018. A comparison of FlowCam and microscopy methods for phytoplankton community assessment in Lake Champlain. Lake Champlain Research Conference, Burlington, Vermont.
- Lachance\*\* H, TR Stewart\*\*, T Krabbenhoft, M Pespeni, JD **Stockwell**. 2018. Climate change impacts on cisco (*Coregonus artedii*) and larva development at the molecular level. Great Lakes Research Conference, Toronto, Canada.
- Stewart\*\* TR, M Vinson, JD **Stockwell**. 2017. Effect of photoperiod on cisco (*Coregonus artedii*) egg development. 13<sup>th</sup> International Coregonid Symposium, Bayfield, Wisconsin.
- Hrycik\*\* AR, A Shambaugh, JD **Stockwell**. 2017. A comparison of FlowCam and microscopy methods for phytoplankton community assessment. International Association of Great Lakes Research Annual Meeting, Detroit, Michigan.
- O'Malley\*\* BP, JD **Stockwell**. 2017. Is diel vertical migration in *Mysis* related to body size? International Association of Great Lakes Research Annual Meeting, Detroit, Michigan.
- Knight\* JC, BP O'Malley\*\*, JD **Stockwell**. 2017. Benthic invertebrates show little variation in offshore Lake Champlain but a major decline nearshore since 1991. Eastern Michigan University Undergraduate Symposium 37, Eastern Michigan University, Ypsilanti, Michigan.
- Doubek JP, M Lavender, AK Winegardner, M Beaulieu, PT Kelly, CC Carey, AI Pollard, D Straile, JD **Stockwell**. 2017. Reservoir discharge and management are important drivers of zooplankton community structure across the continental United States. Virginia Water Conference, Richmond, VA.
- O'Malley\*\* BP, S Hansson, JD **Stockwell**. 2017. Partial diel vertical migration in *Mysis*: specialized feeding strategy or a night off? ASLO Aquatic Sciences Meeting, Honolulu, Hawaii.
- Stockwell** JD, O Anneville, V Patil, A Looi, C Carey, G Dur, B Ibelings, S MacIntyre, G Morabito, P Nöges, D Pierson, JA Rusak, S Souissi, D Straile, S Thackeray. 2017. Global Evaluation of the Impacts of Storms on freshwater Habitat and structure of phytoplankton Assemblages (GEISHA). ASLO Aquatic Sciences Meeting, Honolulu, Hawaii.
- Stockwell** JD, Y Xu, T0 Höök, KC Weathers. 2016. Opportunities across the waters: international collaboration in networking in limnology. Chinese Society of Oceanology and Limnology, Haikou City, Hainan Province, China. [Invited talk]
- Stockwell** JD, P Isles\*\*, BP O'Malley\*\*, D Joung, AW Schroth, Y Xu. 2016. Under-ice ecology of two shallow, productive freshwater systems. 2<sup>nd</sup> International Workshop on Urbanization in Watersheds: Towards a Sustainable Urbanization, Xiamen, Fujian, China.
- Joung DJ, M Leduc, B Ramcharitar\*, Y Xu, PDF Isles\*\*, T Gearhart\*\*, JD **Stockwell**, KG Druschel, AW Schroth. 2016. Drivers of inter-annual and spatial variability in the behavior of iron, manganese and phosphorus in the sediment and water column of frozen lakes. ASLO Summer Meeting, Santa Fe, NM.
- O'Malley\*\* BP, JD **Stockwell**. 2016. Does omnivory challenge conventional theories about diel vertical migration? ASLO Summer Meeting, Santa Fe, NM.



- Stockwell** JD, BP O'Malley\*\*, D Joung, Y Xu, PDF Isles\*\*, T Gearhart\*\*, AW Schroth. 2016. Lake productivity through a lens of ice: is lake trophic status a seasonally-dependent concept? ASLO Summer Meeting, Santa Fe, NM.
- Joung, D, Y Xu, PDF Isles\*\*, T Gearhart\*, JD **Stockwell**, BP O'Malley\*\*, AW Schroth, B Ramcharitar\*, M Leduc. 2015. Metal and Phosphorous behavior in the water and sediment underneath ice cover: a comparative study between hyper- and eutrophic lake systems. American Geophysical Union Annual Meeting, San Francisco, California.
- Gearhart\*\* T, JD **Stockwell**, J Kraft. 2015. The effects of eutrophication on food web utilization through fatty acid content. Annual Meeting of the American Fisheries Society, Portland, Oregon.
- Dillon\* RA, R Paddock, JD **Stockwell**. 2015. *In situ* observations of benthic *Mysis diluviana* using an autonomous camera system. International Association of Great Lakes Research Annual Meeting, Burlington, Vermont.
- Gearhart\*\* T, PA Euclide\*\*, JD **Stockwell**, J. Kraft. 2015. The effectiveness of mead acid (C20:3 n-9) as a biomarker for essential fatty acid deficiency in fish. International Association of Great Lakes Research Annual Meeting, Burlington, Vermont.
- Strayer\* N, BP O'Malley\*\*, S Hansson, JD **Stockwell**. 2015. An agent-based of diel vertical migration in *Mysis diluviana*. International Association of Great Lakes Research Annual Meeting, Burlington, Vermont.
- O'Malley\*\* BP, JD **Stockwell**. 2015. Exploring causes and consequences of Lake Champlain's *Mysis* decline. International Association of Great Lakes Research Annual Meeting, Burlington, Vermont.
- Xu Y, PDF Isles\*\*, AW Schroth, DM Rizzo JD **Stockwell**. 2015. Applying spectral analysis to quantify the drivers of cyanobacterial blooms. International Association of Great Lakes Research Annual Meeting, Burlington, Vermont.
- Isles\*\* PDF, AW Schroth, Y Xu, C Giles, JD **Stockwell**. 2014. Quantifying the effects of cyanobacterial buoyancy regulation on lake metabolism and bloom progression using high-frequency data. Joint Aquatic Sciences Meeting, Portland, Oregon.
- Euclide\*\* P, JD **Stockwell**, S Hansson. 2014. Do pelagic macroinvertebrates display population sub-structure in large lake systems? Joint Aquatic Sciences Meeting, Portland, Oregon.
- Gearhart\*\* T, JD **Stockwell**, J Kraft. 2014. Do cyanobacteria blooms shift food-web pathways in freshwater lakes? Joint Aquatic Sciences Meeting, Portland, Oregon.
- Stockwell** JD, T Gearhart\*\*, K Ritchie\*, J Kraft. 2014. Impacts of Cyanobacteria Blooms on Essential Fatty Acid Transfer to Fish. Climate Change Adaptation – Aquatic Ecosystem Impacts Workshop. Lake Champlain Basin Program, Burlington, Vermont. [Invited Presentation]
- Mailhot\* J, PDF Isles\*\*, JD **Stockwell**. 2014. Investigating the correlation between algal bloom biodiversity, spatial distribution and abiotic aquatic conditions in Missisquoi Bay, Lake Champlain. Presented at 6th Annual Vermont EPSCoR Student Research Symposium, Burlington, Vermont.
- Pinheiro\*\* VM, JD **Stockwell**, JE Marsden. 2014. Champlain Acoustic Telemetry Observation System (CATOS): Investigating Lake Trout Spawning Behavior and the Impact of Habitat Fragmentation on Lake Whitefish. 2014 Coordination Meeting of the Great Lakes Acoustic Telemetry Observation System, Ann Arbor, Michigan.
- Gearhart\*\* T, JD **Stockwell**, J Kraft, F Iannucci\*. 2013. An evaluation of fatty acid propagation through multiple trophic levels and its application to quantifying ecosystem change in Lake Champlain, Vermont. Lake Champlain Research Consortium Student Symposium, Burlington, Vermont.
- Euclide\* P, JD **Stockwell**. 2013. Assessing temperature sensitivity of pelagic vs. benthic-caught *Mysis diluviana*. Lake Champlain Research Consortium Student Symposium, Burlington, Vermont.
- Mitchell\* CJ, JD **Stockwell**, A Lini. 2013. Divergent behavior in the diel vertical migration of *Mysis diluviana*: is it plastic or fixed? Lake Champlain Research Consortium Student Symposium, Burlington, Vermont.
- Ball\* SC, JD **Stockwell**, TB Mihuc. 2013. Change in opossum shrimp (*Mysis diluviana*) population demographics in Lake Champlain, Vermont, between 1975 and 2012. Lake Champlain Research Consortium Student Symposium, Burlington, Vermont.

- Euclide\*\* P, JD **Stockwell**. 2013. Respiration of Potentially Divergent Populations of *Mysis diluviana* in Lake Champlain. University of Vermont Student Research Conference, Burlington, Vermont.
- Jones\*\* M, JD **Stockwell**. 2013. Using mercury to model bioenergetics in the Gulf of Maine food web. University of Vermont Student Research Conference, Burlington, Vermont.
- Stockwell** JD, DL Yule, TR Hrabik, ME Sierszen, EJ Isaac. 2013. Native fish communities and habitat coupling: delivery of a nearshore energy subsidy by an offshore planktivores. Association for the Sciences of Limnology and Oceanography Aquatic Sciences Meeting, New Orleans, Louisiana.
- Stockwell** JD. 2012. Anticipated ecological impacts of *Bythotrephes* in Lake Champlain. Lake Champlain Basin Invasive Species Workshop, Grand Isle, Vermont. [Invited talk].
- Stockwell** JD, DL Yule, TR Hrabik, ME Sierszen, EJ Isaac. 2012. Native fish communities and habitat coupling: delivery of a nearshore energy subsidy by an offshore planktivores. Symposium on Conservation and Ecology of Marine Forage Fishes, Friday Harbor, Washington. [Invited talk].
- Stockwell** JD, TR Hrabik, OP Jensen. 2012. Diel vertical migration: scaling down from populations to individuals. National American Fisheries Society Meeting, St. Paul, Minnesota.
- Stockwell** JD, CJ Mitchell\*, A Lini. 2012. Divergence in diel vertical migration of *Mysis*: individual plasticity or fixed behavior? National American Fisheries Society Meeting, St. Paul, Minnesota.
- Morrissey\* MM, JD **Stockwell**. 2012. Assessing activity costs of an omnivorous macro-invertebrate during diel vertical migration. University of Vermont Student Research Conference, Burlington, Vermont.
- Stockwell** JD, DL Yule, TR Hrabik, ME Sierszen, EJ Isaac. 2011. Spatial resource subsidies in Lake Superior: the role of cisco as an offshore to nearshore vector. 11<sup>th</sup> International Symposium on the Biology and Management of Coregonids, Mondsee, Austria.
- Stockwell** JD, G Zydlewski. 2011. DeepCwind: application of active and passive acoustics to evaluate potential impacts of deepwater offshore wind technology on fish. Acoustical Society of America/American Fisheries Society Joint Workshop "Acoustic Challenges in Aquatic Ecosystem Assessment". Seattle, Washington.
- Stockwell** JD 2011. Wind power, fish, and fisheries. Wind Energy and Wildlife Forum. Orono, Maine. [Invited talk].
- Stockwell** JD 2010. DeepCwind: evaluating potential impacts on pelagic fish resources. First Annual Maine Offshore Deepwater Wind Conference. Northport, Maine.
- Golet W, M Lutcavage, JA Runge, JD **Stockwell** [presenter], GD Sherwood, AJ Pershing. 2010. Bottoms up: effects of environments forcing on apex predators in the Gulf of Maine. ICES Annual Science Conference, Nantes, France.
- Stockwell** JD, DL Yule, TR Hrabik, ME Sierszen, EJ Isaac. 2010. Cisco (*Coregonus artedii*) as an energy conduit from offshore pelagic to nearshore benthic habitats. Ecology of Lake Superior Conference, Duluth, Minnesota.
- Stockwell** JD, TC Weber, JM Jech, AJ Baukus, DJ Salerno. 2009. Efficacy of using multiple acoustic systems to quantify Atlantic herring (*Clupea harengus*) aggregation metrics before and after fishing events. 158<sup>th</sup> Meeting of the Acoustical Society of America, San Antonio. [Invited talk].
- Stockwell** JD, R Jones, JA Runge, GD Sherwood. 2009. Seasonal and ontogenetic diet shifts in Atlantic herring (*Clupea harengus*): application of diet and isotope analyses. Gulf of Maine Symposium, St. Andrews, New Brunswick.
- Stockwell** JD, DL Yule, JV Adams, OT Gorman. 2006. Day bottom trawling to assess Lake Superior fish populations: the good, the bad, and the ugly. American Fisheries Society National Meeting, Lake Placid, New York.
- Stockwell**, JD, DL Yule. 2004. Preliminary evaluation of the Lake Superior spring forage fish survey: are relative abundance estimates really relative? American Fisheries Society National Meeting, Madison, Wisconsin.
- Stockwell** JD, PJ Diodati. 1999. A bioenergetic evaluation of the chronic stress hypothesis: can hook and release fishing constrain striped bass growth? National Symposium on Catch and Release in Marine Recreational Fisheries, Virginia Beach, Virginia.

- Stockwell JD, ML Jones, D Hayes, N Lester.** 1998. Walleye population dynamics in western Lake Erie: modeling the effects of habitat supply. International Association of Great Lakes Research Annual Meeting, St. Catharines, Ontario.
- Stockwell JD, DM Mason, LB Crowder, JA Rice.** 1998. Variation in predator-prey interactions across environmental gradients in Lake Michigan: implications for forage fish consumption. American Fisheries Society National Meeting, Hartford, Connecticut.
- Stockwell JD, BM Johnson.** 1997. Modeling planktivorous fish responses to natural and human-induced alteration of thermal habitat. American Society of Limnologists and Oceanographers Aquatic Sciences Meeting, Santa Fe, New Mexico.
- Stockwell JD, BM Johnson.** 1997. Modeling kokanee responses to climate and dam reoperation in Blue Mesa Reservoir, Colorado. Colorado/Wyoming American Fisheries Society Chapter Meeting, Cheyenne, Wyoming.
- Stockwell JD, BM Johnson.** 1997. A combined foraging and vertical migration model for kokanee salmon – how can it be applied to mysids? International Workshop on Mysid Biology, Bridgeport, New York.
- Stockwell JD, BM Johnson.** 1997. Forecasting changes in behavior and predation risk of a vertically migrating planktivore. American Fisheries Society National Meeting, Monterey, California. (Invited)
- Stockwell JD, BM Johnson.** 1996. Modification and evaluation of a kokanee salmon bioenergetics model. Midwest Fish and Wildlife Conference, Omaha, Nebraska.
- Stockwell JD.** 1995. Spatial patterns of zooplankton in Lake Erie across a gradient of scales. International Association of Great Lakes Research Annual Meeting, East Lansing, Michigan.
- Stockwell JD.** 1995. Spatial patterns of zooplankton in Lake Erie across a gradient of scales. American Society of Limnologists and Oceanographers Annual Meeting, Reno, Nevada.
- Stockwell JD.** 1995. Scale-dependent control of zooplankton spatial patterns in Lake Erie. Ecological Society of American Annual Meeting, Snowbird, Utah.
- Stockwell JD, WG Sprules.** 1994. Implications of spatial and temporal patterns on zooplankton production estimates in Lake Ontario. American Geophysical Union/American Society of Limnologists and Oceanographers Ocean Sciences Meeting, San Diego, California.
- Stockwell JD.** 1994. Spatial and temporal modeling of zooplankton production in the Great Lakes. ICES Symposium on Zooplankton Production, Plymouth, United Kingdom.
- Stockwell JD, EH Jin, WG Sprules.** 1993. Interactions among zooplankton, chlorophyll *a*, and temperature through a thermal front in Lake Ontario. Canadian Conference for Fisheries Research/Society of Canadian Limnologists Annual Meeting, Peterborough, Ontario.
- Stockwell JD, EH Jin, WG Sprules.** 1993. Small-scale spatial distributions of zooplankton, chlorophyll *a*, and temperature in Lake Ontario. The Evolutionary Ecology of Open Systems: A Workshop, Toronto, Ontario.
- Stockwell JD, WG Sprules, DM Mason.** 1993. Small-scale spatial relationships among fish, zooplankton, chlorophyll *a*, and temperature in Lake Erie. American Society of Limnologists and Oceanographers Annual Meeting, Edmonton, Alberta.
- Stockwell JD, PS Rand.** 1993. Planktivore electivities in Lakes Michigan and Ontario. International Association of Great Lakes Research Special Symposium, Green Bay, Wisconsin.
- Stockwell JD, EH Jin, WG Sprules.** 1992. Spatial distribution of zooplankton in Lake Ontario. International Association of Great Lakes Research Annual Meeting, Waterloo, Ontario.

**Poster Presentations – Professional Society Meetings** (<sup>1</sup>high school student, \*undergraduate student, \*\*graduate student, \*\*\*post-doc)

- Berkelhammer\* S, AT McReynolds\*\*, B Marcy-Quay\*\*\*, JD **Stockwell**, JE Marsden. 2022. Genetic differentiation of Burbot (*Lota lota*) in a fragmented lake. University of Vermont Student Research Conference. Burlington, Vermont.
- Deschenes A, RJ Chapina, JD **Stockwell**. 2022. Investigating size-selective predation of *Mysis diluviana* in Lake Champlain and Lake Ontario. University of Vermont Student Research Conference. Burlington, Vermont.
- Ivanick\* L, A Chiapella, C Vichi\*, O Anneville, S Burnet, J Doubek, J García-Girón, J Garcia de Souza, R Gołdyn, S Khan, K Kowalczywska-Madura, F Lepori, B Leoni, M Manca, I Matsuzaki, E Merz, J Moe, U

- Obertegger, R Piscia, F Pomati, J Rosińska, B Tartarotti, S Thackeray, W Thiery, JD **Stockwell**. 2022. Testing the veracity of space-for-time substitutions in modeling zooplankton community dynamics (ZooST: Zooplankton over Space and Time). Northeast GLEON 2022. Virtual.
- Ivanick\* L, A Chiapella, C Vichi\*, O Anneville, S Burnet, J Doubek, F Lepori, J García-Girón, I Matsuzaki, B Tartarotti, S Thackeray, U Obertegger, J Moe, S Khan, J Garcia de Souza, R Goldyn, J Rosińska, K Kowalczywska-Madura, W Thiery, B Leoni, JD **Stockwell**. 2021. Testing the veracity of space-for-time substitutions in modeling zooplankton community dynamics (ZooST: Zooplankton over Space and Time). GLEON 2021 All-Hands Meeting. Virtual.
- Chapina\*\* R, BP O'Malley, W Currie, J Watkins, JD **Stockwell**. 2021. The *Mysis* paradox: how does low fecundity sustain high predator demand? ASLO Aquatic Sciences Meeting. [Virtual]
- Berkelhammer\* S, A McReynolds, JD **Stockwell**, JE Marsden. 2021. From bycatch to center stage: using incidental catch of forage fish in bottom trawls to inform survey design. University of Vermont Annual Student Research Conference, Burlington, Vermont. [Virtual]
- Zigic\* S, R Chapina\*\*, J Doubek, S Goldfarb, J Rickwood\*, H Wander, JD **Stockwell**. 2021. The effects of multiple predators and hypolimnetic hypoxia on zooplankton migration behavior. University of Vermont Annual Student Research Conference, Burlington, Vermont. [Virtual]
- Goldfarb\* SK, JP Doubek\*\*\*, A Antão-Geraldes, M Bartrons, S Berger, JA Brentrup, S Brucet, S Burnet, L Caputo Galarce, CC Carey, K Christoffersen, E de Eyto, G Dur, Ş Erdoğan, O Erina H-P Grossart, M Kainz, G Başaran Kankılıç, S Khan, B Leoni, F Lepori, V McCarthy, V Nava, J Nejstgaard, U Obertegger, Z Ogorelec, A Ozen, M Pascual, M Paterson, M Patelli, Q Qiu, D Richardson, A Sepulveda-Jauregui, L Silva, D Straile, B Tartarotti, Ü Nihan Tavşanoğlu, M Tereshina, G Umaña-Villalobos, T Walles, HL Wander, W Wurtsbaugh, JD **Stockwell**. 2020. The effects of hypoxia on zooplankton population estimates and migration in lakes. University of Vermont Annual Student Research Conference, Burlington, Vermont. [Virtual]
- Ivanick\* L, A Chiapella, JD **Stockwell**. 2020. ZooST: Zooplankton over Space and Time. GLEON 21.5 All-Hands Meeting. Virtual.
- Ara JF, O Anneville, JP Doubek\*\*\*, VP Patil, JD **Stockwell**, S-I Matsuzaki, G. Dur. 2019. Effects of typhoons on the phytoplankton of Lake Kasumigaura (Japan). The Plankton Society of Japan Annual Meeting, Shizuoka, Japan.
- Stockwell** JD, R Chapina\*\*, BP O'Malley\*\*. 2019. A model to evaluate the relative importance of predation risk, resources, and body condition on partial diel vertical migration in the freshwater macroinvertebrate *Mysis diluviana*. Gordon Research Conference - Animal Movement as a Link Between Ecology, Evolution and Behavior, Tuscany, Italy.
- Burns\*\* WG, JD **Stockwell**, P Bitterman, D Kincaid, AW Schroth. 2019. Using long-term monitoring, high-frequency buoy, and remote sensing satellite data to better understand how two shallow, eutrophic bays in Lake Champlain respond to phenological and episodic events. ASLO Aquatic Sciences Meeting, San Juan, Puerto Rico.
- Chapina\*\* R, BP O'Malley, JD **Stockwell**. 2019. To stay or not to stay? A model to test decision making of *Mysis diluviana* to vertically migrate. ASLO Aquatic Sciences Meeting, San Juan, Puerto Rico.
- Stokes\* D, RJ Chapina\*\*, JE Marsden, JD **Stockwell**. 2019. Size-selective predation on *Mysis diluviana* in pelagic and benthic habitat of Lake Champlain. University of Vermont Annual Student Research Conference, Burlington, Vermont.
- Doubek\*\*\* JP, R Adrian, O Anneville, R Bhattacharya, E de Eyto, H Feuchtmayr, J Hejzlar, BW Ibelings, S Jacquet, ME Llamas, IS Matsuzaki, P Nöges, VP Patil, A Rimmer, LG Rudstam, MJ Vanni, P Verburg, T Zohary, JD **Stockwell**. 2018. The extent and variability of storm-induced epilimnetic temperature changes in lakes using a long-term and high-frequency global dataset. GLEON 20, Perth Australia.
- Hrycik\*\* AR, D Pierson, PDF Isles, R Adrian, M Albright, L Bacon, R Bhattacharya, S Berger, H-P Grossart, J Hejzlar, A Hetherington, L Knoll, A Laas, N Lottig, C McDonald, K Merrell, J Nejstgaard, K Nelson, P Nöges, A Paterson, R Pilla, D Robertson, L Rudstam, JA Rusak, S Sadro, E Silow, JD **Stockwell**, H Yao, K Yokota. 2018. Effects of runoff timing on summer phytoplankton biomass. GLEON 20, Perth Australia.

- Stockwell** JD, R Adrian, M Andersen, O Anneville, R Bhattacharya, WG Burns, CC Carey, L Carvalho, C-W Chang, LN De Senerpont Domis, JP Doubek, G Dur, MA Frassl, MO Gessner, J Hejzlar, BW Ibelings, N Janatian, ATNK. Kpodonu, MJ Lajeunesse, AM Lewandowska, ME Llames; IS Matsuzaki, ER Nodine, P Nöges, H-D Park, VP Patil, F Pomati, A Rimmer, K Rinke, LG Rudstam, JA Rusak, N Salmaso, F Schmitt, CT Seltmann, S Souissi, D Straile, SJ Thackeray, W Thiery, P Urrutia-Cordero, P Venail, P Verburg, TJ Williamson, HL Wilson, T Zohary. 2018. Storm impacts on phytoplankton community dynamics in lakes. GLEON 20, Perth Australia.
- Stewart\*\* TR, M Zucchetta, J Karjalainen, C Goulon, O Anneville, J Wanzenböck, IJ Winfield, JD **Stockwell**. 2018. A modeling approach to better understand impacts of changing thermal habitat on coregonine spawning and egg incubation across latitudes and continents. 2018. European Large Lakes Symposium – International Association Great Lakes Research Joint Meeting, Evian, France.
- Flores\*\* N, T Miller, J Kraft, JD **Stockwell**. 2018. Cyanobacteria bloom impacts on fish: Insights from an ongoing study at a shallow, hypertrophic lake in Vermont (USA). 18<sup>th</sup> International Conference on Harmful Algae, Nantes, France.
- Hrycik\*\* AH, D Pierson, PDF Isles, R Adrian, M Albright, S Berger, H-P Grossart, J Hejzlar, A Hetherington, L Knoll, A Laas, N Lottig, C McDonald, K Merrell, J Nejstgaard, K Nelson, P Nöges, A Paterson, R Pilla, D Robertson, L Rudstam, J Rusak, S Sadro, E Silow, JD **Stockwell**, H Yao, K Yokota. 2018. Combining satellite and *in situ* measurements to understand links between winter severity and summer algal blooms. 2018 National Space Grant Meeting, Stowe, Vermont.
- Sorrentino\* MG, TR Stewart\*\*, JE Marsden, JD **Stockwell**. 2018. Spatial variation in lipid content of lake charr, *Salvelinus namaycush*, in Lake Champlain. European Large Lakes Symposium – International Association Great Lakes Research Joint Meeting, Evian, France.
- Anneville O, J Doubek\*\*\*, V Patil, JD **Stockwell**, C-W Chang, V Tran-Khac, G Dur, P Nöges, T Zohary, J Rusak, IS Matsuzaki, P Verburg, P Venail, S.J. Thackeray, L.G. Rudstam, and S. Jacquet. 2018. GEISHA/GLEON Storm-Blitz: A collaborative project to better understand the responses of phytoplankton to meteorological-induced variability in water column stability. European Large Lakes Symposium – International Association Great Lakes Research Joint Meeting, Evian, France.
- Ozersky T, SE Hampton, JD **Stockwell**, SM Powers, SG Labou. 2018. Predictors of lake plankton characteristics in winter and summer. ASLO Summer Meeting, Victoria, British Columbia.
- Melman\* K, BP O'Malley\*\*, JD **Stockwell**. 2018. Global analysis of rotifer guild ratio in relation to percent *Daphnia* biomass. Lake Champlain Research Conference, Burlington, Vermont.
- Block\*\* B, AH Hrycik\*, JD **Stockwell**. 2017. The role of overwintering zooplankton on winter freshwater food webs. GLEON 19, New Paltz, New York.
- Burns\*\* WG, JD **Stockwell**, T Smith\*, B Banco\*, and AW Schroth. 2017. Similar and contrasting of nutrients and cyanobacteria dynamics in two adjacent shallow, eutrophic bays in Lake Champlain. GLEON 19, New Paltz, New York.
- Hrycik\*\* AH, D Pierson, PDF Isles, R Adrian, M Albright, S Berger, H-P Grossart, J Hejzlar, A Hetherington, S Jacquet, L Knoll, A Laas, N Lottig, C McDonald, J Nejstgaard, P Nöges, A Paterson, R Pilla, D Robertson, L Rudstam, JA Rusak, S Sadro, E Silow, JD **Stockwell**, H Yao, K Yokota. 2017. Effects of changes in winter/spring runoff timing on summer productivity in lakes. GLEON 19, New Paltz, New York.
- Melman\* K, BP O'Malley\*\*, JD **Stockwell**. 2017. Global analysis of rotifer guild ratio in relation to percent *Daphnia* biomass. GLEON 19, New Paltz, New York.
- Stockwell** JD, O Anneville, V Patil, R Adrian, L Carvalho, CW Chang, G Dur, C-H Hsieh, J Hejzlar, M Lajeunesse, A Lewandowska, S Jacquet, S –I Matsukzaki, JA Rusak, N Salmaso, F Schmitt, T Seltmann, S Souissi, D Straile, S Thackeray, P Venail. 2017. GLEON Storm-Blitz: An update from the GEISHA group on the links among storms, lake physics, and phytoplankton community dynamics. GLEON 19, New Paltz, New York.
- Flores\*\* NM, TR Miller, JD **Stockwell**. 2017. Cyanotoxins in fish: a global analysis. 9<sup>th</sup> US Symposium on Harmful Algae, Baltimore Maryland.

- Lachance\* H, TR Stewart\*\*, M Pespeni, JD **Stockwell**. 2017. Gene expression analysis of cisco (*Coregonus artedi*) eggs and larvae reared in varying light treatments. 13<sup>th</sup> International Coregonid Symposium, Bayfield, Wisconsin.
- Knight\* JC, BP O'Malley\*\*, JD **Stockwell**. 2017. Benthic invertebrates along a depth gradient in Lake Champlain: 2016 vs 1991. International Association of Great Lakes Research Annual Meeting, Detroit, Michigan.
- Looi A, JD **Stockwell**, O Anneville, V Patil, G Dael, JA Rusak. 2017. Can phytoplankton weather the storm? Assessing how phytoplankton communities change after storms. International Association of Great Lakes Research Annual Meeting, Detroit, Michigan.
- Stewart\*\* TR, MR Vinson, JD **Stockwell**. 2017. Effect of photoperiod on cisco (*Coregonus artedi*) egg development. International Association of Great Lakes Research Annual Meeting, Detroit, Michigan.
- McFarland\* S, AR Hrycik\*\*, J.D. **Stockwell**. 2017. The effects of mild versus cold winter conditions on zooplankton community winter-spring transitions. ASLO Aquatic Sciences Meeting, Honolulu, Hawaii.
- Knight\* JC, BP O'Malley\*\*, JD **Stockwell**. 2017. Benthic invertebrates show little variation in offshore Lake Champlain but a major decline nearshore since 1991. ASLO Aquatic Sciences Meeting, Honolulu, Hawaii.
- Lister\* HR, H Grigel\*, AR Hrycik\*\*, BP O'Malley\*\*, JD **Stockwell**. 2017. Under-ice diel vertical migration of zooplankton in a shallow hypertrophic lake. ASLO Aquatic Sciences Meeting, Honolulu, Hawaii.
- Grigel\* H, HR Lister\*, A Lini, AR Hrycik\*\*, JD **Stockwell**. 2017. Under-ice phytoplankton diel vertical distribution in a shallow hypertrophic lake. ASLO Aquatic Sciences Meeting, Honolulu, Hawaii.
- Griffin\* J, BP O'Malley\*\*, JD **Stockwell**. 2017. Food quality and diet preference of *Mysis diluviana*. ASLO Aquatic Sciences Meeting, Honolulu, Hawaii.
- Mitchell\* EJ, TA Gearhart\*\*, BP O'Malley\*\*, J Kraft, JD **Stockwell**. 2017. Are spring *Daphnia* dynamics controlled by phytoplankton quality in a hypertrophic lake? ASLO Aquatic Sciences Meeting, Honolulu, Hawaii.
- Calvitti\* J, TA Gearhart\*\*, BP O'Malley\*\*, J Kraft, JD **Stockwell**. 2017. Fatty acids as an indicator of partial diel vertical migration in the macroinvertebrate *Mysis diluviana*. ASLO Aquatic Sciences Meeting, Honolulu, Hawaii.
- Scorpio\* GP, BP O'Malley\*\*, JD **Stockwell**. 2017. Using functional-trait based analysis to observe rotifer population dynamics within a hypertrophic lake. ASLO Aquatic Sciences Meeting, Honolulu, Hawaii.
- Burke SM, JP Doubek, HA Dugan, HA Ewing, LE MacDonald, AM Morales-Williams, NK Skaff, JD **Stockwell**, JC Summers. 2016. Global trends and drivers of lake primary production. GLEON18, Lunz, Austria.
- Kelsey\* M, B White\*\*, L Bowden, P Fretz, JD **Stockwell**. 2016. Using public input to design science exhibits that promote public understanding of invasive species. ASLO Summer Meeting, Santa Fe, NM.
- Hrycik\*\* AR, JD **Stockwell**. 2016. Lake thermal structure variability under ice between extreme cold and warm winters. ASLO Summer Meeting, Santa Fe, NM.
- Grigel\* H, HR Lister\*, AR Hrycik\*\*, A Lini, JD **Stockwell**. 2016. Under ice vertical distribution of phytoplankton and zooplankton in Shelburne Pond, Vermont, over a 24-hour period. University of Vermont Annual Student Research Conference, Burlington, Vermont.
- Melman\* K, BP O'Malley\*\*, JD **Stockwell**. 2016. Comparison of sampling techniques for evaluating the benthic abundance of *Mysis diluviana*. University of Vermont Annual Student Research Conference, Burlington, Vermont.
- Mitchell\* E, T Gearhart\*\*, J Kraft, JD **Stockwell**. 2016. Are *Daphnia* dynamics controlled by phytoplankton quality in Shelburne Pond? University of Vermont Annual Student Research Conference, Burlington, Vermont.
- Wilkins\* P, BP O'Malley\*\*, JD **Stockwell**. 2016. The effects of predator fish kairomones on feeding rates of *Mysis diluviana*. University of Vermont Annual Student Research Conference, Burlington, Vermont.
- O'Malley\*\* BP, JD **Stockwell**. 2015. Seasonal dynamics of zooplankton resource use efficiency in hypertrophic Shelburne Pond, Vermont. Vermont Monitoring Cooperative Annual Meeting, Burlington, Vermont.

- Doubek J, M Lavender, A Winegardner, M Beaulieu, P Kelly, JD **Stockwell**. 2015. Drivers of zooplankton abundance and richness across the continental USA. GLEON 17, Chuncheon, South Korea.
- Sugla\* M, PDF Isles\*\*, JD **Stockwell**. 2015. A zooplankton respiration model to evaluate lake metabolism estimates from high-frequency data. GLEON 17, Chuncheon, South Korea.
- Isles\*\* PDF, Y Xu, D Joung, JD **Stockwell**, and AW Schroth. 2015. Climate-driven changes in energy and mass inputs alter N:P differently in deep and shallow sites in Lake Champlain. GLEON 17, Chuncheon, South Korea.
- Stockwell** JD, C Riggs, S Cluett, B Kinnaman. 2015. “Monty” the buoy in hyper-eutrophic Shelburne Pond, Vermont, USA: the first year. GLEON 17, Chuncheon, South Korea.
- Carrasquillo-Rodriguez\* JW, Y Xu, PDF Isles\*\*, JD **Stockwell**, AW Schroth. 2015. Nitrogen fixation by cyanobacteria in two contrasting ecosystems in Vermont. Annual SACNAS National Conference, Washington, D.C.
- Joung DJ, Y Xu, PDF Isles\*\*, T Gearhart\*\*, BP O’Malley\*\*, JD **Stockwell**, AW Schroth. 2015. Distribution of trace metals and nutrients in the waters and sediments under ice: a comparative study between hyper- and eutrophic lake systems. Annual Meeting of the American Geophysical Union, San Francisco, California.
- Euclide\*\* PA, N Strayer\*, JD **Stockwell**. 2015. Are *Mysis* in decline across the Great Lakes. International Association of Great Lakes Research Annual Meeting, Burlington, Vermont.
- White\*\* B, T Kolbe, JD **Stockwell**. 2015. Evaluating and improving Lake Champlain NSF Research Experiences for Undergraduates (REU) Program. International Association of Great Lakes Research Annual Meeting, Burlington, Vermont.
- Hill<sup>1</sup> N, T Gearhart\*\*, J Kraft, JD **Stockwell**, P Goff. 2015. Seasonal fluctuations in essential fatty acids of commercial yellow perch from Lake Champlain. International Association of Great Lakes Research Annual Meeting, Burlington, Vermont.
- Nodine\*\*\*, E, JD **Stockwell**. 2015. Phytoplankton community responses to Hurricane Irene differ across Lake Champlain. International Association of Great Lakes Research Annual Meeting, Burlington, Vermont.
- Sugla\*, M, PDF Isles\*\*, JD **Stockwell**. 2015. A zooplankton respiration model to evaluate lake metabolism estimates from high-frequency data. International Association of Great Lakes Research Annual Meeting, Burlington, Vermont. [Best Student Poster Award]
- Ortiz\* N, B Roy\*, PDF Isles\*\*, JD **Stockwell**. 2015. Monitoring cyanobacteria dynamics and water quality parameters in two eutrophic water systems. Annual Conference of the Society of Freshwater Science, Milwaukee, Wisconsin.
- Dillon\* RA, R Paddock, JD **Stockwell**. 2015. Density and diel behavior of a benthic macroinvertebrate in Lake Champlain using an autonomous camera system. University of Vermont Annual Student Research Conference, Burlington, Vermont.
- Bryan\* K, T Gearhart\*\*, JD **Stockwell**, J Kraft. 2015. Impact of cyanobacteria blooms on essential fatty acid composition of varying eutrophic sites in Lake Champlain. University of Vermont Annual Student Research Conference, Burlington, Vermont.
- Strayer\* N, BP O’Malley\*\*, S Hansson, JD **Stockwell**. 2015. An agent-based model of diel vertical migration in *Mysis diluviana*. University of Vermont Annual Student Research Conference, Burlington, Vermont.
- Weiss\* H, BP O’Malley\*\*, JD **Stockwell**. 2015. Under the ice: zooplankton community structure in Shelburne Pond and Missisquoi Bay, Lake Champlain. University of Vermont Annual Student Research Conference, Burlington, Vermont.
- Iannucci\* F, JD **Stockwell**, J Kraft. 2015. Deeper effects of climate change: the influence of cyanobacteria blooms on fish metabolism. University of Vermont Annual Student Research Conference, Burlington, Vermont.
- Bryan\* K, T Gearhart\*\*, JD **Stockwell**, J Kraft. 2015. Impact of cyanobacteria blooms on essential fatty acid composition along a gradient of productivity in Lake Champlain and Shelburne Pond. 7<sup>th</sup> Annual Vermont EPSCoR Student Research Conference, Burlington, Vermont.

- Ortiz\* N, B Roy\*, PDF Isles\*\*, JD **Stockwell**. 2015. Monitoring cyanobacteria dynamics and water quality parameters in two productive systems – Shelburne Pond and Missisquoi Bay. 7<sup>th</sup> Annual Vermont EPSCoR Student Research Conference, Burlington, Vermont.
- Ortiz\* N, B Roy\*, PDF Isles\*\*, JD **Stockwell**. 2014. Monitoring cyanobacteria dynamics and water quality parameters in two productive systems – Shelburne Pond and Missisquoi Bay, Lake Champlain. Vermont Monitoring Cooperative Annual Meeting, Burlington, Vermont.
- Ortiz\* N, B Roy\*, PDF Isles\*\*, JD **Stockwell**. 2014. Monitoring cyanobacteria dynamics and water quality parameters in two productive systems – Shelburne Pond and Missisquoi Bay, Lake Champlain. University of Vermont Natural Areas – Celebrating 40 Years of Conservation and Stewardship, Burlington, Vermont.
- Anneville O, G Dur, E Nodine, JD **Stockwell**, B Ibelings, S Soussi. 2014. Storm-Blitz in Lake Geneva: tracking storm effects on the phytoplankton community using hierarchical clustering and Bayesian probabilities. GLEON 16, Orford, Quebec.
- Isles\*\* PDF, JD **Stockwell**, C Giles, Y Xu, and AW Schroth. 2014. Quantifying the effects of cyanobacterial buoyancy regulation on lake metabolism using high-frequency data. GLEON 16, Orford, Quebec.
- Nodine\*\*\* E, JD **Stockwell**, O Anneville, B Ibelings, JA Rusak. 2014. Storm-Blitz: impact of storms on phytoplankton composition. GLEON 16, Orford, Quebec.
- Ritchie\* K, T Gearhart\*\*, JD **Stockwell**, J Kraft. 2014. Cyanobacteria blooms and essential fatty acid transfer through the Lake Champlain food web. 6th Annual Vermont EPSCoR Student Research Symposium, Burlington, Vermont.
- Ritchie\* K, T Gearhart\*\*, JD **Stockwell**, J Kraft. 2014. Cyanobacteria blooms and essential fatty acid transfer through the Lake Champlain food web. University of Vermont Annual Student Research Conference, Burlington, Vermont.
- Strayer\* N, JD **Stockwell**, S Hansson, PA Euclide\*\*. 2014. Modeling optimal diel vertical migration behavior of the opossum shrimp (*Mysis*). University of Vermont Annual Student Research Conference, Burlington, Vermont.
- Ritz\* T, T Gearhart\*\*, JD **Stockwell**. 2014. Cyanobacteria effects on white perch health in Missisquoi Bay, Vermont. Presented at 6th Annual Vermont EPSCoR Student Research Symposium, Burlington, Vermont.
- Ritz\* T, T Gearhart\*\*, JD **Stockwell**. 2014. Cyanobacteria effects on white perch health in Missisquoi Bay, Vermont. University of Vermont Annual Student Research Conference, Burlington, Vermont.
- Ritchie\* K, T Gearhart\*\*, JD **Stockwell**, J Kraft. 2014. Do cyanobacteria blooms short-circuit essential fatty acid transfer to fish? International Association of Great Lakes Research Annual Meeting, Hamilton, Ontario.
- Pinheiro\*\* VM, JD **Stockwell**, JE Marsden. 2014. Champlain Acoustic Telemetry Observation System (CATOS): Investigating lake trout spawning behavior and the impact of habitat fragmentation on lake whitefish. International Association of Great Lakes Research Annual Meeting, Hamilton, Ontario.
- Pinheiro\*\* VM, JD **Stockwell**, JE Marsden. 2014. CATOS: Champlain Acoustic Telemetry Observation System. 2014 Coordination Meeting of the Great Lakes Acoustic Telemetry Observation System, Ann Arbor, Michigan.
- Iannucci\* FM, TA Gearhart\*\*, JD **Stockwell**, and J Kraft. 2013. Effects of diet differentiation on the fatty acid content of white perch. University of Vermont Student Research Conference, Burlington, Vermont.
- Ball\* SC, JD **Stockwell**, TB Mihuc. 2013. Change in opossum shrimp (*Mysis diluviana*) population demographics in Lake Champlain, Vermont, between 1975 and 2012. University of Vermont Student Research Conference, Burlington, Vermont.
- Mitchell CJ, JD **Stockwell**, A Lini. 2013. Divergent behavior in the diel vertical migration of *Mysis diluviana*: is it plastic or fixed? University of Vermont Student Research Conference, Burlington, Vermont.
- Iannucci\* FM, TA Gearhart\*\*, JD **Stockwell**, J Kraft. 2013. Effects of diet differentiation on the fatty acid content of white perch. RACC Student Research Symposium, Burlington, Vermont.
- Gearhart\*\* T, JD **Stockwell**, J Kraft, F Iannucci\*. 2013. An evaluation of fatty acid propagation through multiple trophic levels and its application to quantifying ecosystem change in Lake Champlain, Vermont. ASLO Aquatic Sciences Meeting, New Orleans, Louisiana.



- Mitchell\* CJ, JD **Stockwell**, A Lini. 2013. Divergent behavior in the diel vertical migration of *Mysis diluviana*: is it plastic or fixed? ASLO Aquatic Sciences Meeting, New Orleans, Louisiana.
- Ball\* SC, JD **Stockwell**, TB Mihuc. 2013. Change in opossum shrimp (*Mysis diluviana*) population demographics in Lake Champlain, Vermont, between 1975 and 2012. ASLO Aquatic Sciences Meeting, New Orleans, Louisiana.
- Ball\* SC, JD **Stockwell**. 2012. Change in opossum shrimp (*Mysis diluviana*) population demographics in Lake Champlain in 1975 and 2012. Vermont EPSCoR Annual Meeting, Burlington, Vermont.
- Stockwell** JD, DL Yule, TR Hrabik, ME Sierszen, EJ Isaac. 2012. Native fish communities and habitat coupling: delivery of a nearshore energy subsidy by an offshore planktivore. Great Lakes Fishery Commission Native Fish Restoration Workshop. Ann Arbor, Michigan.
- Stockwell** JD, DL Yule, TR Hrabik, ME Sierszen, EJ Isaac. 2012. Native fish communities and habitat coupling: delivery of a nearshore energy subsidy by an offshore planktivore. International Association of Great Lakes Research Annual Meeting, Cornwall, Ontario.

### Oral Presentations – Committees

- Stockwell** JD. 2014. Lake Champlain food web. Lake Champlain Basin Program Toxics Working Group, October 2016. [Invited talk]
- Stockwell** JD. 2014. An environmental monitoring buoy system to support research and learning at Shelburne Pond. Shelburne Natural Resources and Conservation Committee, April 2014.
- Stockwell** JD, B Wemple. 2014. Global Lakes Ecological Observatory Network. Lake Champlain Basin Program Technical Advisory Committee, April 2014.
- Stockwell** JD, M Moretti. 2010. Morphometric stock discrimination of Atlantic herring (*Clupea harengus*) using a modified truss network. Herring Plan Development Team, New England Fishery Management Council, April 2010.
- Stockwell** JD. 2009. Status of Atlantic herring (*Clupea harengus*) research in the Gulf of Maine. Lenfest Forage Fish Task Force, October 2009.
- Stockwell** JD, M. Mendelson. 2008. The herring working group: convening amidst controversy. Herring Plan Development Team, New England Fishery Management Council, August 2008.
- Stockwell** JD, DL Yule, OT Gorman, TR Hrabik, M Balge. 2007. Offshore prey fish community of Lake Superior. State of the Lake Report to the Great Lakes Fishery Commission, Lake Superior Committee Meeting, March 2007.
- Stockwell** JD, DL Yule, TR Hrabik, MT Negus, MP Ebener, DR Schreiner, OT Gorman. 2007. Ecological interactions of the offshore prey fish community of Lake Superior. State of the Lake Report to the Great Lakes Fishery Commission, Lake Superior Committee Meeting, March 2007.
- Isaac, EJ, JD **Stockwell** [presenter], OE Johannsson, J Kelly. 2007. Status of *Mysis relicta* in Lake Superior, 2005. State of the Lake Report to the Great Lakes Fishery Commission, Lake Superior Committee Meeting, March 2007.
- Stockwell** JD, DL Yule, OT Gorman, TR Hrabik, M Balge. 2007. Offshore prey fish community of Lake Superior. Lake Superior Technical Committee Meeting, January 2007.
- Stockwell** JD, DL Yule, TR Hrabik, MT Negus, MP Ebener, DR Schreiner, OT Gorman. 2007. Ecological interactions of the offshore prey fish community of Lake Superior. Lake Superior Technical Committee Meeting, January 2007.
- Stockwell** JD, DL Yule, JV Adams, OT Gorman. 2006. Day bottom trawling to assess Lake Superior fish populations: the good, the bad, and the ugly. Lake Superior Technical Committee Meeting, January 2007.
- Stockwell** JD, DL Yule, OT Gorman. 2006. Partner responses to USGS questionnaire. Report to the Great Lakes Fishery Commission, Lake Superior Committee Meeting, March 2006.
- Stockwell** JD, DL Yule, JV Adams, OT Gorman. 2006. Evaluation of sampling strategies for the Lake Superior fish community: preliminary results. Report to the Great Lakes Fishery Commission, Lake Superior Committee Meeting, March 2006.

- Stockwell JD, OT Gorman, DL Yule, LM Evrard, GA Cholwek.** 2006. Status and trends of prey fish populations in Lake Superior, 2005. Annual Report to the Great Lakes Fishery Commission, Lake Superior Committee Meeting, March 2006.
- Stockwell JD, V Richardson, J Kelly.** 2006. Lake Superior binational effort: 2005 review of lower food web sampling. Lake Superior Technical Committee Meeting, January 2006.
- Stockwell JD, DL Yule, JV Adams.** 2006. Evaluation of the Lake Superior spring bottom trawl survey using multiple sampling strategies. Lake Superior Technical Committee Meeting, January 2006.
- Stockwell JD, OT Gorman, DL Yule, LM Evrard.** 2006. Status and trends of prey fish populations in Lake Superior, 2005. Lake Superior Technical Committee Meeting, January 2006.
- Stockwell JD, TR Hrabik, OE Johannsson, TB Johnson, CP Madenjian.** 2006. Evaluation of *Mysis relicta* as a keystone species in native fish communities of the Great Lakes (Presentation of research pre-proposal submitted to Great Lakes Fishery Commission). Lake Superior Technical Committee Meeting, January 2006.
- Stockwell JD.** 2006. Executive summary of partner responses to U.S. Geological Survey Lake Superior fish survey design questionnaire. Lake Superior Technical Committee Meeting, January 2006.
- Stockwell JD, TR Hrabik, M Ebener, D Schreiner, S Schram.** 2005. Development of a lakewide acoustic assessment program on Lake Superior. Presentation to the Council of Lake Committees, April 2005.
- Stockwell JD, LM Evrard, DL Yule, OT Gorman, GA Cholwek.** 2005. Status and trends of prey fish populations in Lake Superior, 2004. Annual Report to the Great Lakes Fishery Commission, Lake Superior Committee Meeting, March 2005.
- Stockwell JD, DL Yule, JV Adams.** 2005. Toward an integrated survey design in Lake Superior. Report to the Great Lakes Fishery Commission, Lake Superior Committee Meeting, March 2005.
- Stockwell JD, DL Yule.** 2005. Toward an integrated survey design in Lake Superior. Lake Superior Technical Committee Meeting, January 2005.
- Stockwell JD, V Richardson, J Kelly.** 2005. Lake Superior 2005/2006: update on lower trophic level monitoring plans. Lake Superior Technical Committee Meeting, January 2005.
- Stockwell JD, TR Hrabik, DL Yule, OT Gorman.** 2004. Habitat supply and trophic transfer in Lake Superior. Lake Superior Technical Committee Meeting, August 2004.
- Stockwell JD, J Myers, D Yule.** 2004. Assessing predation dynamics between larval lake herring and rainbow smelt in Lake Superior. Lake Superior Technical Committee Meeting, August 2004.
- Whitman RL, JD Stockwell** (co-presentation). 2004. Great Lakes Science Center field and vessel stations: who we are and what we do. USGS Five-Year Center Review of Great Lakes Science Center. March 2004.
- Stockwell JD, TR Hrabik, DL Yule, OT Gorman.** 2004. Habitat supply and trophic transfer in Lake Superior. Board of Technical Experts, Great Lakes Fishery Commission, March 2004.
- Stockwell JD, DM Mason, DL Yule, OT Gorman.** 2004. Generating species-specific population estimates in Lake Superior using acoustics and trawls. Great Lakes Acoustic Working Group, February 2004.
- Stockwell JD.** Lake Superior hydroacoustics study: Phase I progress. 2004. Lake Superior Technical Committee Meeting, January 2004.
- Stockwell JD, BF Lantry.** 2003. Survey design and facilitating cross-lake comparisons. USGS-Great Lakes Science Center Deepwater Science Program Meeting. December 2003.