

J. BRADFORD HUBENY, PH.D.

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EDUCATION

Graduate School of Oceanography, University of Rhode Island, Narragansett, RI

Ph.D., Geological Oceanography, July 2006

Dissertation Title: Late Holocene climate variability as preserved in high-resolution estuarine and lacustrine sediment archives. Advisor: John W. King

Bates College, Lewiston, ME

Bachelor of Science with Honors, Geology, May 1997

Thesis Title: Late Quaternary stratigraphy and geologic history of The Basin, Phippsburg, Maine.
Advisor: Michael Retelle

PROFESSIONAL APPOINTMENTS

Assistant Professor, Geological Sciences Department, Salem State University (Oct. 2010 – Present)

Assistant Professor, Geological Sciences Department, Salem State College (Sept. 2006 – Oct. 2010)

Adjunct Assistant Professor, Dept. of Geological Sciences, Univ. of Arkansas (Sept. 2008 – Present)

Adjunct Faculty, Rhode Island School of Design (Winter Session 2006)

Undergraduate Research Advisor, University of Rhode Island. (Sept. 2005 - May 2006)

Lecturer, University of Rhode Island, Geosciences Department (Spring 2005)

Instructor, University of Rhode Island, College of Cont. Educ., OCG/GEO 110 (Summer 2002, Fall 2003)

Teaching Fellow, NSF Funded GK-12 Program (May 2001 to August 2003)

Graduate Student Mentor, Summer Undergraduate Research Fellowship, Oceanography (Summer 2002)

Teaching Assistant, Bates College (Sept. 1995 – Dec. 1996)

PROFESSIONAL DEVELOPMENT

“Cavity Ring-Down Spectroscopy for $\delta^{13}\text{C}$ Analysis Webinar,” Picarro, Inc. (November 2010)

“Geophysical Sub-Bottom Training,” SyQwest, Inc. (April 2009)

“Early Career Geoscience Faculty,” On The Cutting Edge (June 2008)

Five-day workshop addressing teaching, research, and career management; competitive application.

“Research and Writing Initiative,” Salem State College (Summer 2007, 2008)

Participant in this program designed to promote faculty publications; competitive application.

“Designing Effective and Innovative Courses in the Geoscience,” On The Cutting Edge (August 2006)

Four-day NSF-funded on-line workshop; competitive application.

“Varves: High-Resolution Recorders,” University of Arizona (May 2006)

Invited participant: NSF-funded workshop on progress involving annually-laminated sediments.

“How to Establish and Sustain an Undergraduate Research Program,” GSA Workshop (October 2005)

“Preparing for an Academic Career in the Geosciences,” On The Cutting Edge (July 2005)

Three-day NSF-funded workshop to prepare geoscience faculty for academia; competitive application.

“Disabilities Training for Future Faculty,” Disability Services Dept., URI (February to March 2004)

“Course Planning Workshops,” Instructional Development Program, URI (August 2001)

Experiential Education Training, URI Office of Marine Programs (May 2001)

Two-week NSF-funded inquiry-based pedagogical training program; competitive application.

RESEARCH EXPERIENCE

Environmental Sedimentology Laboratory, Salem State University (September 2006 – Present)
 Developing, maintaining, and managing an active and externally-funded laboratory with undergraduate researchers. Active collaborations with Univ. of Rhode Island, Univ. of Mary Washington, Univ. of Arkansas, Plymouth State University, Environmental Protection Agency, Salem Sound Coastwatch.

Graduate Research Assistant, Paleomagnetism Laboratory, U. of Rhode Island (May 2000 – August 2006)

Sediment Logistics Manager/Core Logger, GLAD6 Drilling Project (July 2004 - September 2004)

Environmental Scientist/Boat Captain, Narragansett Bay Commission (August 2003 - January 2004)

Beach Surveyor, State of Rhode Island (Sept. 2000 - August 2001)

Student Research Assistant, Bates College (Summer 1996)

Laboratory Assistant, Auburn (ME) Water District (Summer 1995)

COMMUNITY RESEARCH/OUTREACH

Collaborative Research: Salem Sound Coastwatch: May 2010 – Present
 Involved in water chemistry and sediment study of Salem Sound to determine anthropogenic influences on eutrophication, specifically targeted on determining effects of secondary waste water treatment

Swampscott Conservation Commission Phillips Beach Project: May 2010 – Present
 Established Phillips Beach long-term monitoring study to assess erosional dynamics on this popular town beach; Additional focus on storm overwash reconstruction over time

Sluice Pond Paleoenvironmental Project: August 2007 – Present
 Long-term project associated with Sluice Pond Association (Lynn) aimed at reconstructing environmental conditions in Sluice Pond at human – millennial length time scales

RESEARCH GRANTS

National Science Foundation, Major Research Instrumentation Program, \$122,226; Funded 2011
MRI: Acquisition of a stable carbon isotope and elemental analysis system

National Science Foundation, P2C2 Program, \$121,112 (\$797,217 collaborative total); Funded 2010-14
Collaborative Research RUI: Decadal cyclicity in NAO proxies from northwest Iceland lake sediments
 Co-PIs: L Doner and M Green (Plymouth State Univ), Ann Dieffenbacher (Univ of Maine)

American Chemical Society's Petroleum Research Fund, Type UNI, \$50,000, Funded 2009-11
Organic carbon sources and accumulation rates along a regional transect of meromictic lakes, Maine

MA Department of Marine Fisheries, \$24,398, Funded 2009-10
*Stocking and Monitoring of Soft-shell clams *Mya arenaria* for HUB Line Remediation – Year IV*
 co-PIs: JK Buttner and M Fregeau, Salem State College Biology Dept.

SSC Mini-Grant for Research, \$1,000, Funded 2010
Acquisition of a Sediment Freeze Corer for High-Resolution Paleoclimate Reconstructions

SSC Graduate School Summer Research Grant, \$3,000, Funded 2009-10
Environmental History of Sluice Pond, Lynn: Establishing a Chronology from Radiocarbon Analyses

PROFESSIONAL SERVICE

Session Co-Chair, AGU 2011 Meeting: *Reconstructing Past Environments* (Dec. 2011)

Grant Peer-Reviewer, National Science Foundation

Textbook, Web, Assessment Reviewer, WH Freeman Publishers

Journal Peer-Reviewer, *Environmental Modelling & Software*; *Quaternary Science Reviews*

Session Co-Chair, NEGSA 2009 Meeting: *Symposium Lake and Environmental Change* (March 2009)

Science Mentor, GEMS-NET Curriculum Program, URI (November 2004 – May 2006)

Outreach Scientist, Narragansett Bay Classroom, University of Rhode Island (April 2001 – May 2006)

Marine Science Instructor/Boat Captain, Project Oceanology, Groton, CT (June 1993 – May 2003)

Volunteer, National Ocean Sciences Bowl Competitions, Narragansett, RI (2002 - 2004)

Tall Ship Experiential and Environmental Educator (June 1997 – August 2000)

COMMITTEES/BOARDS

Academic Policies Committee, Salem State University (Sept 2007 – Present)
Geological Sciences Department Curriculum Committee (Sept 2006 – Present)
Strategic Planning Committee, SOAS, Salem State College (2006/07; Sept 2009 – Present)
North Shore Chapter, Sigma Xi, Chapter Secretary (Sept 2009 – May 2011)
Geological Sciences Department New Faculty Search Committee, Chair (Winter 2009/10)
Sigma Xi North Shore Chapter Installation Steering Committee (2008/09)
Foundations of Excellence Committee, Salem State College (2007/08)
Alumni Awards Committee, GSO, URI (2004/06)
Student Admission and Review Committee, GSO, URI (2002/04)
Executive Board, Friends of Oceanography, GSO, URI (2002/04)

PROFESSIONAL ASSOCIATIONS

Member, Geological Society of America (1996 - Present)
 Member, Sigma Xi (1997 - Present)
 Member, American Geophysical Union (2003 - Present)
 Member, Council on Undergraduate Research (2003 - Present)
 Member, American Association for the Advancement of Science (2005 – 2007)

AWARDS/FELLOWSHIPS

Awarded GSO Alumni Association Grant for dissertation research supplies (2005)
 Awarded the Germaine and Francis Webb Graduate Fellowship in Oceanography for marine environmental research and outreach accomplishments stemming from thesis work in Rhode Island (2003/2004).
 Awarded GSO Alumni Association Grant for travel to national GSA meeting (2003)
 Awarded the Kenneth N. Weaver GSA Student Travel Grant (2003, 2004)
 Inducted to Sigma Xi as an associate member (1997).
 Awarded a Geologic Society of America Student Travel Grant (1997).
 Awarded the Howard Hughes Student Travel Grant, Bates College (1997).
 Awarded a Bates College Student Research Fund Grant (1996).

LICENSES AND CERTIFICATIONS

USCG Licensed Merchant Marine Captain (April 1998 - Present)
 100 Ton Near Coastal Master, 200 Ton Near Coastal Mate for Power and Sail Vessels.
USCG Endorsed Able-Bodied Seaman-Sail (November 1997 - Present)
TSA TWIC Certification for Transportation Workers (May 2009 - Present)
Radioactive Source and Material Training, PDLOT, URI (2002 - 2006)
 Certified to work with radioactive sources and materials.
Laboratory Waste Management Training, PDLOT, URI (2001 - 2006)
 Certified to work with hazardous laboratory chemicals and wastes.

INVITED TALKS/PANELS

What is the State of Salem Sound?: Invited speaker for Salem Sound Coastwatch Symposium: *Improving Our Waters: A Comparison of Nutrients in the Sound, Now and 14 Years Ago* (March 2011)
What is the State of Salem Sound?: Advisee Ellen Kristiansen was invited speaker for Salem Sound Coastwatch Symposium: *What Do the Sediments in Salem Sound Tell Us?* (March 2011)
SSC Honors Program Research Symposium: Faculty Panelist (2006, 2010, 2011)
SSC Political Science Panel: Invited panelist for discussion on Climate Change (November 2009)
SSC SOAS Faculty Retreat: Invited panelist for workshop *Fostering scholarly work among faculty and students*; Research advisee Courtnie Ciapciak also participated (January 2009)

December 2011

Sluice Pond Association: *Post-Glacial History of Sluice Pond* (November 2008)

Lynn Fish & Game Protective Association: *The Geologic History of Sluice Pond as Preserved by Sediment Deposits* (September 2008)

SSC Academic Colloquium: *Reconstructing Histories: Creating Scholarly Community* (April 2008)

NSCC's National Global Warming Teach-In: *Earth's Climate: Past, Present, and Future* (January 2008)

SSC Honors Convocation: Keynote Speaker (April 2007)

SSC Darwin Festival: *Paleoclimate Variability in New England and the Midwest as Recorded by Mud* (February 2007)

SSC School of Arts and Sciences First Lecture Series: *MUD: The Untold Story* (October 2006)

SENIOR THESIS ADVISEES

- 2011/12 Shaina Cohen: *Integrated lithostratigraphic/GPR investigation of paleo-tidal inlets, Phillips Barrier Beach, MA*
 Kevin McAndrews: *Late Holocene regional lacustrine sedimentation patterns, Dead River watershed, Maine*
 Kristen McCormack: *Holocene stratigraphy and geologic history of Phillips Beach as interpreted from back barrier lagoonal sediment archives*
 John Strom: *Stratigraphy and varve chronology of Vatnsdalsvatn, Iceland*
- 2010/11 ML Crispo: *Multi-proxy analysis of organic matter sedimentation in three Maine lakes*
 Brad Hammond: *Regional coherence in organic carbon deposition in selected Maine lakes*
 Ellen Kristiansen: *Evidence of anthropogenic influences on Salem Sound as interpreted from dated sediment cores*
 Cam Morissette: *Regional climate variability as preserved in high-resolution lacustrine sediment archives*
 Dan Munroe: *Analysis of particulate organic carbon, Evidence of alteration and measurements of lake nutrients in lacustrine environments*
 Ann Surette: *The morphologic responses of Phillips Beach (MA) to meteorological conditions, 2010-2011*
- 2009/10 Crescenzi, Em: *Historic trace metal accumulation in Sluice Pond, MA: Linkages between industry and the environment*
 English, Chip: *Holocene organic carbon sources and accumulation rates as recorded by sediments from Conroy Lake, ME*
 Lewis, Jon: *Comparison of the seismic and lithostratigraphic record of Holocene sediments preserved in Sluice Pond, MA*
- 2008/09 Ciapciak, Courtnie: *A multi-proxy analysis of sediment cores from Chain of Ponds, Maine*
 Sherman, Andrea: *A stratigraphic investigation of the Goldthwait Reserve salt marsh, Marblehead, MA*
- 2007/08 Ritch, Nicole: *Analysis of core sediments gathered from Sluice Pond (Lynn, MA) indicate post-glacial environmental changes*

GRADUATE THESIS COMMITTEES

- Bhattacharya, Ruchi, Ph.D. candidate, University of Arkansas Department of Geosciences:
 Doctoral committee member (*Oxbow lakes as paleo-flood indicators*) 2008 – Present
- Maki, Christina, M.S. candidate, Plymouth State University Center for the Environment:
 M.S. committee member (*Surface hydrology of Vatnsdalsvatn, Iceland*) 2011 - Present

B.S. HONORS THESIS OUTSIDE EXAMINER

- 2009: Arnold, Megan Sarah: *Sedimentation in high-arctic lake Linnévatnet, Svalbard: A modern process study using sediment traps*: Bates College Honors Thesis

December 2011

2009: Pickoff, Michael Everett: *Multi-proxy organic geochemical analysis of the late-Holocene sediment record from Meetinghouse Pond, Phippsburg, ME*: Bates College Honors Thesis

PUBLICATIONS

*Peer-Reviewed Articles (Chronological; * Undergraduate Student Author)*

- Hubeny, J.B.**, McCarthy, F.M.G., Lewis, J.*, Cantwell, M., Morissette, C.*, Krueger, A.M., Zanatta, R.*, Drljepan, M.*, Ritch, N.M.*, and Crispo, M.L.*, Holocene stratigraphy, environmental history, and regional hydroclimate significance of Sluice Pond, northeastern, MA, *Submitted to The Holocene*.
- Hubeny, J. B.**, King, J. W., and Reddin, M.*, 2011, Northeast US precipitation variability and North American climate teleconnections interpreted from late Holocene varved sediments: *Proceedings of the National Academy of Sciences*, v. 108 (44), xxx-xxx.
- Lewis, C. F. M., Rea, D. K., **Hubeny, J. B.**, Thompson, T. A., Blasco, S. M., King, J. W., Reddin, M.*, and Moore, T. C., Jr., 2010, Using geological history of the Laurentian Great Lakes to better understand their future: *Aquatic Ecosystem Health & Management*, v. 13(2), 118-126.
- Hubeny, J.B.**, King, J.W., and Cantwell, M., 2009, Anthropogenic influences on estuarine sedimentation and ecology: Examples from the varved sediments of the Pettaquamscutt River Estuary, Rhode Island: *Journal of Paleolimnology*, v. 41 (2), p. 297-314.
- King, J.W., **Hubeny, J.B.**, Gibson, C., Laliberte, E., Ford, K., Cantwell, M., McKinney, R., and Appleby, P.G., 2008, Anthropogenic eutrophication of Narragansett Bay: Evidence from dated sediment cores, in Desbonnet, A., and Costa-Pierce, B.A., eds., *Science for Ecosystem-based Management: Narragansett Bay in the 21st Century*, Springer, New York, NY, 570 pp.
- Lewis, C.F.M., King, J.W., Blasco, S.M., Brooks, G.R., Coakley, J.P., Croley, T.E. II, Dettman, D.L., Edwards, T.W.D., Heil, C.W., Jr., **Hubeny, J.B.**, Laird, K.R., McAndrews, J.H., McCarthy, F.M.G., Medioli, B.E., Moore, T.C., Jr., Rea, D.K., and Smith, A.J., 2008, Dry climate disconnected the Laurentian Great Lakes: *EOS*, v. 89 (52), p. 541-542.
- Shanahan, T.M., Overpeck, J.T., **Hubeny, J.B.**, King, J., Hu, F.S., Hughen, K., Miller, J., and Black, J., 2008, Scanning μ -XRF elemental mapping: A new tool for the study of laminated sediment records: *Geochemistry Geophysics Geosystems*, v. 9.
- Lewis, C.F.M., Heil, C.W., Jr., **Hubeny, J.B.**, King, J.W., Moore, T.C., Jr., and Rea, D.K., 2007, The classic Stanley Unconformity in northwestern Lake Huron, evidence for a closed lowstand about 7500 ^{14}C BP: *Journal of Paleolimnology*, v. 37 (3), p. 435-452.
- Hubeny, J.B.**, King, J.W., and Santos, A., 2006, Subdecadal to multidecadal cycles of Late Holocene North Atlantic climate variability preserved by estuarine fossil pigments: *Geology*, v. 34 (7), p. 569-572.
- Lima, A.L., **Hubeny, J.B.**, Reddy, C.M., King, J.W., Hughen, K.A., and Eglinton, T.I., 2005, High-resolution historical records from Pettaquamscutt River basin sediments: 1. ^{210}Pb and varve chronologies validate record of ^{137}Cs released by the Chernobyl accident: *Geochimica et Cosmochimica Acta*, v. 69, p. 1803-1812.

Theses, Reports, and Additional Articles (Chronological)

- Buttner, J.K., Fregeau, M., Weston, S., and **Hubeny, J.B.**, 2010, Hubline IV: Final Report: *Summary Report of Grant Results Submitted to MA Department of Marine Fisheries*.
- Hubeny, J.B.**, 2009, Sluice Pond: A local environmental archive and geologic laboratory: *ASPECT*, February 2009: *The Cutting Edge in Research and Teaching*: aspectwebsite.com/sluice-pond.
- Buttner, J.K., Fregeau, M., Weston, S., and **Hubeny, J.B.**, 2009, Hubline III: Final Report: *Summary Report of Grant Results Submitted to MA Department of Marine Fisheries*.
- Hubeny, J.B.** 2006 *Late Holocene climate variability as preserved in high-resolution estuarine and lacustrine sediment archives*. PhD Dissertation, University of Rhode Island, Graduate School of Oceanography.
- Hubeny, J.B.** 2002. *Elevation Profiling of Eight Barrier Beaches on Rhode Island South Shore: September 2000 to August 2001*. University of Rhode Island, Graduate School of Oceanography.
- Hubeny, J.B.** 1997. *Late Quaternary Stratigraphy and Geologic History of The Basin, Phippsburg, Maine*. Undergraduate Honors Thesis, Bates College.

*Papers Presented at Professional Meetings (Chronological; * Undergraduate Student Author)***2011**

- Crispo, M. L.* , **Hubeny, J. B.**, Cantwell, M., Hammond, B.* , and Morissette, C.* , 2011, Multi-proxy analysis of organic matter sedimentation in three Maine lakes: GSA Abstracts with Programs, v. 43, no. 1, p. 163.
- Hammond, B.* , **Hubeny, J. B.**, Cantwell, M., Morissette, C.* , and Crispo, M. L.* , 2011, Regional correlation of sediment cores from Tea Pond, Eustis, ME and Conroy Lake, Monticello, ME through a multi-proxy analysis of Holocene sediments: GSA Abstracts with Programs, v. 43, no. 1, p. 162.
- Hubeny, J. B.**, McCarthy, F. M. G., Lewis, J.* , Cantwell, M., Morissette, C.* , Crispo, M. L.* , and Zanatta, R., 2011, Holocene stratigraphy and climate history of Sluice Pond, MA: GSA Abstracts with Programs, v. 43, no. 1, p. 77.
- Kristiansen, E.* , **Hubeny, J. B.**, Zhu, J., Olsen, C., and Warren, B., 2011, Anthropogenic impacts on sediment dynamics within Salem Sound, MA as reconstructed from dated sediment cores: GSA Abstracts with Programs, v. 43, no. 1, p. 108.
- Morissette, C.* , **Hubeny, J. B.**, Cantwell, M., Hammond, B.* , and Crispo, M. L.* , 2011, Toward a varve reconstruction of Holocene climate and environmental variability from Conroy Lake, ME: GSA Abstracts with Programs, v. 43, no. 1, p. 163.
- Surette, A. M.* , and **Hubeny, J. B.**, 2011, The morphologic responses of Phillips Beach (MA) to meteorological conditions, Fall 2010: GSA Abstracts with Programs, v. 43, no. 1, p. 109.

2010

- Bhattacharya, R., Hausmann, S., **Hubeny, J. B.**, Boss, S. K., Black, J., and Brown, E., 2010, Diatom based transfer function to explore oxbow lake sediment as archives of past flood events in the lower White River, lower Mississippi Valley, south eastern Arkansas: PAGES International Floodplain Lake Workshop, p. 15.
- Crescenzi, E.* , **Hubeny, J. B.**, Moran, S. B., and Kelly, R. P., 2010, Historic trace metal accumulation in Sluice Pond, MA: Linkages between industry and the environment: GSA Abstracts with Programs, v. 42, no. 1, p. 183.
- English, R. B.* , **Hubeny, J. B.**, Cantwell, M., Morissette, C.* , and Crispo, M. L.* , 2010, Late Holocene organic carbon variability in Conroy Lake, ME: GSA Abstracts with Programs, v. 42, no. 1, p. 68.
- Hammond, B.* , **Hubeny, J. B.**, Cantwell, M., Morissette, C.* , and Crispo, M. L.* , 2010, An analysis of seismic stratigraphy through ground-truthing of sediment cores from Tea Pond, Eustis, ME: GSA Abstracts with Programs, v. 42, no. 5, p. 624.
- Hausmann, S., Bhattacharya, R., **Hubeny, J. B.**, Black, J. L., Brown, E., and Boss, S. K., 2010a, Flood reconstruction using an oxbow lake diatom training set in the lower Mississippi Valley: AAG Annual Meeting Program.
- Hausmann, S., Bhattacharya, R., **Hubeny, J. B.**, Boss, S. K., Black, J., and Brown, E., 2010b, Flood reconstruction using a multi-proxy approach for oxbow lake sediments in the lower Mississippi Valley: PAGES International Floodplain Lake Workshop, p. 24.
- Hubeny, J. B.**, Tibert, N. E., Kiker, J. M.* , and Odhiambo, B. K., 2010, Trace metal distribution in the oligohaline reaches of the Potomac Estuary as determined from surface sediment cores: GSA Abstracts with Programs, v. 42, no. 1, p. 167.
- Kristiansen, E.* , **Hubeny, J. B.**, Crescenzi, E.* , Buttner, J. K., Fregeau, M., and Weston, S., 2010a, Relationships between intertidal flat sediments and surrounding surficial geology: An example from Boston Harbor: GSA Abstracts with Programs, v. 42, no. 1, p. 70.
- Kristiansen, E.* , **Hubeny, J. B.**, Zhu, J., Olsen, C., and Warren, B., 2010b, Influences of wastewater treatment history on organic matter dynamics within Salem Sound (MA) as interpreted from dated sediment cores: GSA Abstracts with Programs, v. 42, no. 5, p. 246.
- Lewis, J.* , and **Hubeny, J. B.**, 2010, A multi-proxy study of a five meter sediment core from Sluice Pond, Lynn, MA: Comparison of lithostratigraphic and seismic records: GSA Abstracts with Programs, v. 42, no. 1, p. 70.
- McCarthy, F.M.G., Mertens, K.N., **Hubeny, J.B.**, Zanatta, R., Lewis, J.* , Ellegaard, M., Pospelova, V., Ribeiro, S., and Vercauteren, D., 2010, Freshwater dinocysts as paleolimnological proxies: Case studies from Honey Harbour, Ontario and Sluice Pond, Massachusetts: AASP-The Palynological Society 43rd Annual Meeting Program, p. 27-28.

- Morissette, C.* , **Hubeny, J. B.**, Cantwell, M., Hammond, B.* , and Crispo, M. L.* , 2010, Multi-proxy record of anthropogenic change, Conroy Lake, Monticello, ME: GSA Abstracts with Programs, v. 42, no. 5, p. 624.
- Tibert, N. E., Kiker, J. M.* , **Hubeny, J. B.**, Abbott, M. B., and McKenzie, S.* , 2010, Latest Holocene sedimentation rates and sea level history for the tidal marshes of the Potomac and Rappahannock Rivers, tributaries to Chesapeake Bay: GSA Abstracts with Programs, v. 42, no. 1, p. 82.

2009

- Ciapiak, C.M.* and **Hubeny, J.B.**, 2009, A multi-proxy analysis of sediment cores from Chain of Ponds, Maine: GSA Abstracts with Programs, v. 40, no. 3.
- Crescenzi, E.* , **Hubeny, J.B.**, Buttner, J.K., Fregeau, M., Weston, S., and Shields, T., 2009, Grain size characterization and soft shell (*Mya arenaria*) clam survival rates in selected Boston Harbor tidal flats: Proceedings of the New England Estuarine Research Society Spring 2009 Meeting.
- Hausmann, S., Bhattacharya, R., **Hubeny, J.B.**, Black, J.L., Boss, S.K., and Brown, E., 2009, Floodplain lake sediments as archives for environmental change: GSA Abstracts with Programs, v. 40, no.3.
- Hubeny, J.B.**, Bhattacharya, R., Hausmann, S., Black, J.L., and Boss, S.K., 2009, Environmental correlations between surface sediment trace metal concentrations and limnologic variables during flood conditions in 30 White River oxbow lakes, AR : GSA Abstracts with Programs, v. 40, no. 3.
- Kiker, J.M.* , Tibert, N.E., Abbott, M.B., and **Hubeny, J.B.**, 2009, Late Holocene sea level and climate variability at Potomac Creek (Virginia) in the Chesapeake Bay Watershed : GSA Abstracts with Programs, v. 40, no. 3.
- Lewis, C.F.M., King, J.W., Blasco, S.M., Brooks, G.R., Heil, C.W., Jr., **Hubeny, J.B.**, and McCarthy, F.M.G., 2009a, A low-level phase in Great Lakes Holocene history, newly-revealed by study of lake sediments and geomorphology : GSA Abstracts with Programs, v. 40, no. 3.
- Lewis, C. F. M., Rea, D. K., **Hubeny, J. B.**, Thompson, T. A., Blasco, S. M., King, J. W., Reddin, M.* , and Moore, T. C., Jr., 2009b, Past changes in the Laurentian Great Lakes of North America: Context for a better understanding of their future?, *in* Jones, J., and Faaborg, J., eds., 30th Congress of the International Association of Theoretical and Applied Limnology Proceedings: Managing large lakes of the world: health, integrity and risks, v. 30 (7), p. 1039-1041.
- Sherman, A.L.* and **Hubeny, J.B.**, 2009, A stratigraphic investigation of the Goldthwait Reserve salt marsh, Marblehead, MA : GSA Abstracts with Programs, v. 40, no. 3.

2008

- Lewis, C.F.M., King, J.W., Heil, C.W., **Hubeny, J.B.**, MacDonald, R.A., Shumchenia, E.J., Goodyear, D.R., Slattery, S.R., and Todd, B.J., 2008, Lake Simcoe Sediment Architecture: Evidence for a Lowstand During Early Holocene Dry Climate. International Association of Great Lakes Research Annual Meeting, Peterborough, ON.
- Longstaffe, F.J., Lewis, C.F.M., King, J.W., Heil, C.W., **Hubeny, J.B.**, Goodyear, D.R., Slattery, S.R., and MacDonald, R.A., 2008, Stable Isotope Evidence for Groundwater Seepage into Kempenfelt Bay, Lake Simcoe. International Association of Great Lakes Research Annual Meeting, Peterborough, ON.
- Randall, J.* , **Hubeny, J.B.**, and Tibert, N., 2008, Sluice Pond geophysical sub-bottom survey, Lynn, Massachusetts. GSA Abstracts with Programs, v. 40, no. 2.
- Reddin, M.* , **Hubeny, J.B.**, and King, J.W., 2008, Using carbonate thicknesses in Fayetteville Green Lake, NY, to establish variability in precipitation during the Late Holocene. GSA Abstracts with Programs, v. 40, no. 2.
- Ritch, N.* and **Hubeny, J.B.**, 2008, Analysis of core sediments gathered from Sluice Pond (Lynn, MA) indicate post-glacial environmental conditions. GSA Abstracts with Programs, v. 40, no. 2.
- Vaillancourt, T.* and **Hubeny, J.B.**, 2008, Lead study of the Forest River Estuary, Salem, Massachusetts. GSA Abstracts with Programs, v. 40, no. 2.

2007

- Hubeny, J.B.**, Reddin, M.* , and King, J.W., 2007a, Precipitation variability in the Northeast United States during the Late Holocene and its relationship to teleconnection patterns. GSA Abstracts with Programs, v. 39, no. 6.

Hubeny, J.B., King, J.W., Lewis, C.F.M., and Reddin, M.*, 2007b, Teleconnection influences on precipitation variability in the Southern Great Lakes Watershed as reconstructed from Late Holocene varved lake sediments. International Association of Great Lakes Research Annual Meeting, State College, PA.

Reddin, M.*, **Hubeny, J.B.**, and King, J.W., 2007, Late Holocene precipitation reconstructed from Fayetteville Green Lake, NY, varved sediments. GSA Abstracts with Programs, v. 39, no. 6.

2006

Hubeny, J.B., and King, J.W., 2006, New millennial-length Pacific/North American (PNA) teleconnection pattern proxy reconstruction from New England reveals present anomalous state. GSA Abstracts with Programs, v. 38, no. 7.

King, J.W., Heil, C., **Hubeny, J.B.**, Lewis, C.F.M., and Reddy, C., 2006, Environmental magnetic studies in the Great Lakes watershed: Closed lake status for the Great Lakes from 9400-7700 cal BP. GSA Abstracts with Programs, v. 38, no. 7.

Lincoln, S.A.*, **Hubeny, J.B.**, and King, J.W., 2006, A microscopic characterization of varved sediments, Pettaquamscutt River Estuary, RI. GSA Abstracts with Programs, v. 38, no. 2, p. 14.

Pre-2006

Hubeny, J.B., King, J.W., and Santos, A. Thermohaline circulation variability preserved by estuarine fossil pigments. AGU Annual Meeting, 2005.

Hubeny, J.B. and King, J.W., 2005, A paleo-perspective on future drought conditions in southern New England. GSA Abstracts with Programs, v. 37, no. 7.

Hubeny, J.B., 2005, Diversifying introductory class teaching with hands-on activities. GSA Abstracts with Programs, v. 37, no. 7.

Hasle, E.*, Rutherford, S., and **Hubeny, J.B.**, 2005, Toward a reconstruction of long-term climate variability using sediments from an anoxic estuarine basin. GSA Abstracts with Programs, v. 37, no. 1.

Hubeny, J.B., King, J.W., and Lewis, C.F.M., 2005, Fayetteville Green Lake (NY) mid-Holocene lowstand correlative to Great Lakes' lowstand?. GSA Abstracts with Programs, v. 37, no. 1.

Hubeny, J.B., King, J.W., and Santos, A., 2004, North Atlantic Oscillation signal in New England estuarine fossil pigments, Pettaquamscutt River Estuary, Rhode Island. GSA Abstracts with Programs, v. 36, no. 2.

Hubeny, J.B. and King, J.W., 2003, Anthropogenic eutrophication as recorded by varved sediments in the Pettaquamscutt River Estuary, RI, USA. GSA Abstracts with Programs, v. 34, no. 7.

King, J.W., Lewis, C.F.M., **Hubeny, J.B.**, Moran, K., Coleman, D., and Coakley, J.P., 2003, Understanding Sensitivity of Great Lakes Water Levels to Climate Forcing: Closed-Lake Status 8.4-6.8 KA (9400-7700 CAL BP). Third International Limnogeology Congress.

Hubeny, J.B., 1997, Late Quaternary Relative Sea-Level Change in The Basin, Phippsburg, Maine. GSA Abstracts with Programs, v. 29, no. 1.

Ongley, L.K., Eden, J., **Hubeny, J.B.**, Montgomery, E., Pavlik, R., Tichenor, S., 1996, Arsenic Sorption to Aquifer Material from Auburn, Maine. GSA Abstracts with Programs, v. 28, no. 3.