

AMY ELANOR MYRBO

Limnological Research Center
Department of Geology and Geophysics
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PROFESSIONAL PREPARATION

University of Minnesota	English	BA, <i>magna cum laude</i> , 1996
University of Minnesota	Geology	Ph.D. 2006
University of Minnesota	Geology	Postdoctoral associate 2006-present

APPOINTMENTS

2006-present	Post-Doctoral Associate, Department of Geology and Geophysics, University of Minnesota
2002-present	Core Laboratory Manager, Limnological Research Center LacCore Facility
1996-2002	Research and teaching assistant, Department of Geology and Geophysics, University of Minnesota
2000	Summer employee, US Geological Survey
1997-1998	Summer employee, US Geological Survey
1995-1996	Peer advisor, College of Liberal Arts, University of Minnesota

AWARDS AND HONORS

SEPM-Great Lakes Section Best Graduate Student Paper Award, "Sedimentary and Historical Context of Eutrophication and Remediation as Recorded in the Sediments of Urban Lake McCarrons (Roseville, Minnesota)" presented at GSA-North Central Section meeting, May 2005

NSF-RTG Student Research Grant 2001

Department of Geology and Geophysics Student Research Grant 2001

Department of Geology and Geophysics Student Research Grant 2001 (collaborative LRC graduate student research project)

Herbert E. Wright Footsteps Award 2000

NSF-RTG Paleorecords 12-Month Fellowship, Sep 2000-Sep 2001

Department of Geology and Geophysics Dennis Fellowship 2000-2001

Geological Society of America (GSA) Student Research Grant 1999

NSF-RTG Paleorecords 12-Month Fellowship, Oct 1997-Oct 1998

Department of Geology and Geophysics Outstanding Teaching Assistant Award, 1996-1997

B. A. *magna cum laude*

Captain DeWitt Jennings Payne Memorial Award, May 1993 and May 1994

Jessie M. Comstock Scholarship, November 1993

PUBLICATIONS

- Myrbo, A., and M.D. Shapley, 2006. Seasonal water-column dynamics of dissolved inorganic carbon stable isotopic compositions ($\delta^{13}\text{C}_{\text{DIC}}$) in small hardwater lakes in Minnesota and Montana. *Geochim. Cosmochim. Acta.* 70: 2699-2714.
- Myrbo, A. The Lacustrine Carbon Cycle and its Representation in Lake Sediments. Ph.D. thesis, University of Minnesota, 2006.
- Myrbo, A. Sedimentary and historical context of eutrophication and remediation as recorded in the sediments of urban Lake McCarrons (Roseville, Minnesota). Oral presentation, Geological Society of America North-Central Section meeting, 2005.
- Myrbo, A., A. Noren, K. Brady, B. Shuman, and E. Ito. Basic lacustrine sediment core description and curation as the foundation for multi-proxy studies of continental paleoenvironmental records. Poster presentation, American Geophysical Union fall meeting, 2005.
- Johnson, T.C., M.R. Talbot, and A. Myrbo. Kerry Kelts obituary. *Eos*, 2001.

SYNERGISTIC ACTIVITIES

- Advised three REU summer interns in past five years, developing projects with and mentoring these undergraduate students during 10-week sessions
- Produce and develop standard operating procedures for lake sediment analysis; these are distributed freely via the LRC LacCore Facility website: lrc.geo.umn.edu/corefac.html
- Teach 1-2 credit course for undergraduates and first-year graduate students, *Workshop: Lake Sediment Analysis*, with field and laboratory components
- Co-organizer (with M. Shapley) of four-day short course, *Organic Geochemical Stratigraphy*, held at U. MN in May 2003; several years of service on seminar committees for Department and Quaternary Paleoecology program
- Presented "History in the Mud: Lake Sediment Research" at Café Scientifique public lecture series in Minneapolis, January 2006

COLLABORATORS AND OTHER AFFILIATIONS

University of Minnesota: K. Brady, D. Engstrom, P. Glaser, E. Ito, B. Haskell, T.C. Johnson, A. Knaeble, I. Lascu, G. Meyer, A. Noren, M. Shapley

Other Institutions: M. Brenner (U. Florida), A. Cohen (U. Arizona), W. Dean (USGS), C. Geiss (Trinity College), D. Hodell (U. Florida), J. King (U. Rhode Island), K. MacGregor (Macalester College), C. Riihimaki (Bryn Mawr College), C. Scholz (Syracuse U.), A. Schwalb (U. Braunschweig), M.R. Talbot (U. Bergen), J. Teller (U. Manitoba), J. Teranes (Scripps), B.L. Valero-Garces (Pyrenean Institute of Ecology), J. Williams (U. Wisconsin), C. Wittkop (U. Wisconsin)

GRADUATE AND POSTDOCTORAL ADVISORS

Thomas C. Johnson, doctoral thesis advisor
Emi Ito, postdoctoral sponsor