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☞ **Kenneth R. Bradbury**

(FORM UPDATED: 08/11/2010)

**WISCONSIN STATE LEGISLATURE ...  
PUBLIC HEARING - COMMITTEE RECORDS**

**2009-10**

(session year)

**Senate**

(Assembly, Senate or Joint)

**Committee on ... Transportation, Tourism,  
Forestry, and Natural Resources (SC-TTFNR)**

**COMMITTEE NOTICES ...**

- Committee Reports ... **CR**
- Executive Sessions ... **ES**
- Public Hearings ... **PH**

**INFORMATION COLLECTED BY COMMITTEE FOR AND AGAINST PROPOSAL**

- Appointments ... **Appt** (w/Record of Comm. Proceedings)
- Clearinghouse Rules ... **CRule** (w/Record of Comm. Proceedings)
- Hearing Records ... bills and resolutions (w/Record of Comm. Proceedings)
  - (**ab** = Assembly Bill)                      (**ar** = Assembly Resolution)                      (**ajr** = Assembly Joint Resolution)
  - (**sb** = Senate Bill)                              (**sr** = Senate Resolution)                              (**sjr** = Senate Joint Resolution)
- Miscellaneous ... **Misc**

## Senate

### Record of Committee Proceedings

#### **Committee on Transportation, Tourism, Forestry, and Natural Resources**

**Bradbury, Kenneth**, of Madison, as a member of the Examining Board of Professional Geologists, Hydrologists and Soil Scientists, to serve for the term ending July 1, 2013.

March 24, 2010 Referred to Committee on Transportation, Tourism, Forestry, and Natural Resources.

April 8, 2010 **EXECUTIVE SESSION HELD**

Present: (7) Senators Holperin, Sullivan, Plale, Hansen, Leibham, Kedzie and Grothman.

Absent: (0) None.

Moved by Senator Grothman, seconded by Senator Hansen that **Bradbury, Kenneth** be recommended for confirmation.

Ayes: (7) Senators Holperin, Sullivan, Plale, Hansen, Leibham, Kedzie and Grothman.

Noes: (0) None.

CONFIRMATION RECOMMENDED, Ayes 7, Noes 0

April 8, 2010 **PUBLIC HEARING HELD**

Present: (6) Senators Holperin, Sullivan, Hansen, Leibham, Kedzie and Grothman.

Absent: (1) Senator Plale.

Appearances For

- None.

Appearances Against

- None.

Appearances for Information Only

- None.

Registrations For

- None.

Registrations Against

- None.

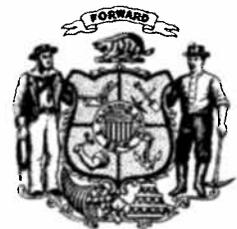
Registrations for Information Only

- None.

Elizabeth Novak  
Committee Clerk



# WISCONSIN STATE LEGISLATURE





**JIM DOYLE**  
GOVERNOR  
STATE OF WISCONSIN

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March 24, 2010

To the Honorable, the Senate:

I am pleased to nominate and with the advice and consent of the Senate, do appoint Kenneth Bradbury to be a Professional Hydrologist on the Examining Board of Professional Geologists, Hydrologists and Soil Scientists to serve a term expiring July 1, 2013.

will be available to the Senate for hearings and my staff will assist in any way they can.

Respectfully submitted,

A handwritten signature in cursive script, appearing to read "Jim Doyle".

Jim Doyle  
Governor

Examining Board of  
Geology & Hydrology need ELS

Kenneth R. Bradbury

KENNETH RHOADS BRADBURY

**CURRENT POSITION:** Research Hydrogeologist/Professor (with Tenure);  
Wisconsin Geological and Natural History Survey  
University of Wisconsin - Extension  
3817 Mineral Point Road  
Madison, WI, USA 53705  
  
Phone: 608-263-7921; Email: krbradbu@wisc.edu

**EDUCATION:** University of Wisconsin - Madison - Ph.D., 1982, Hydrogeology  
Indiana University - M.A., 1977, Geology  
Ohio Wesleyan University - B.A., 1974, Geology

**RECENT POSITIONS:** Wisconsin Geological and Natural History Survey/University of  
Wisconsin-Extension, 1994-present, *Research Hydrogeologist/Professor (with Tenure)*;  
1988-1994, *Associate Professor (with Tenure)*; 1982-1988, *Assistant Professor*  
  
*Program Leader, Water and Environment Programs, Wisconsin Geological and Natural  
History Survey, 1997-present*  
  
*Affiliate Faculty, Department of Geology and Geophysics, University of Wisconsin-  
Madison, 1989-present.*

**RESEARCH INTERESTS:** Groundwater flow in fractured media  
Aquitard hydrogeology  
Groundwater/surface water interaction  
Groundwater recharge

**PROFESSIONAL AFFILIATIONS:** American Geophysical Union  
American Water Resources Association (Wisconsin Section)  
Geological Society of America (elected *Fellow*, 2003)  
National Ground Water Association  
Wisconsin Groundwater Association  
Licensed Professional Geologist and Professional Hydrologist in Wisconsin

**PROFESSIONAL SERVICE:** *Advisor to the Editor-in-Chief, Journal of Ground Water*  
*Former Member, Water Science and Technology Board, National Research Council;*  
*Former Chair, Committee on USGS Water Resources Research, National Research  
Council*  
*Chair, Research Subcommittee, Wisconsin Groundwater Coordinating Council;*  
*Member, Groundwater Research Advisory Council, University of Wisconsin System;*

**AWARDS:** *Distinguished Service Award, American Water Resources Association (Wisconsin  
Section), March, 2007*  
*Fulbright Senior Specialist Grant, South Africa, 2007*

**PUBLICATIONS:**  
*Peer-reviewed publications*

- Bradbury, K.R., and R.W. Taylor. 1984. Determination of the hydrogeologic properties of lake beds using offshore geophysical surveys. *Ground Water*, 22(6): 690-695.
- Bradbury, K.R., and E.R. Rothschild. 1985. A computerized technique for estimating the hydraulic conductivity of aquifers from specific capacity data. *Ground Water*, 23(2):240-246.
- Blanchard, M.C., and K.R. Bradbury. 1987. A comparison of office-derived vs. field-derived water table maps for a sandy unconfined aquifer. *Ground Water Monitoring Review*, 7(2): 74-78.
- Cherkauer, D.S., R.W. Taylor, and K.R. Bradbury. 1987. Relation of lake bed leakance to geoelectric properties. *Ground Water*, 25(2): 135-140.
- Zheng, C., H. Wang, M.P. Anderson, and K.R. Bradbury. 1988. Analysis of interceptor ditches for control of groundwater pollution. *Journal of Hydrology*, 98 (1988): 67-81.
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- Toran, L., and K.R. Bradbury. 1988. Ground-water flow model of drawdown and recovery near an underground mine. *Ground Water*, 26(6): 724-733.
- Kendy, E., and K.R. Bradbury. 1988. Hydrogeology of the Wisconsin River Valley in Marathon County, Wisconsin. Information Circular 64, Wisconsin Geological and Natural History Survey, 66 p.
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- Dalton, M.G., B.E. Huutsmah, and K.R. Bradbury. 1991. Acquisition and interpretation of water-level data. In: *Practical Handbook of Ground-Water Monitoring*, D.M. Nielsen, ed. Lewis Publishers, Chelsea, MI. p 367-395.
- Bradbury, K.R. 1991. Tritium as an indicator of ground-water age in central Wisconsin. *Ground Water*, 29(3): 398-404.
- Stoertz, M.W., M.P. Anderson, and K.R. Bradbury. 1991. Field investigations and numerical studies of groundwater recharge through unsaturated sand: A methodology applied to central Wisconsin. Information Circular 71, Wisconsin Geological and Natural History Survey, 52 p.
- Zheng, C., K.R. Bradbury, and M.P. Anderson, 1992. A computer model for calculation of groundwater paths and travel times in transient three-dimensional flows. Information Circular 70, Wisconsin Geological and Natural History Survey, 21 p.

Kenneth R. Bradbury

- Bradbury, K.R., M.W. Stoertz, and J. Faustini. 1992. Groundwater flow systems and recharge in the Buena Vista Basin, Portage and Wood Counties, Wisconsin. Information Circular 72, Wisconsin Geological and Natural History Survey, 31 p.
- Shupklns, W.W., and K.R. Bradbury. 1992. Groundwater flow, velocity, and age in a thick, fine-grained till unit in southeastern Wisconsin. *Journal of Hydrology*, 132(1992) 283-319.
- Bradbury, K.R., and M.A. Muldoon, 1993. Discussion of "Delivery of chloride and nitrate to the Great Lakes: Case study for the Door Peninsula, Wisconsin" by Cherkauer, McKereghan, and Schalch. *Ground Water*, v. 31, no. 6., p. 1030-1031.
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- Rayne, T.W., K.R. Bradbury, and D.M. Mickelson. 1996. Variability of hydraulic conductivity in uniform sandy till, Dane County, Wisconsin. Wisconsin Geological and Natural History Survey, Information Circular 74, 19 p.
- NRC Committee on USGS Water Resources Research. 1996. *Hazardous Materials in the Environment-the Role of the U.S. Geological Survey*. National Academy Press. 109 p. (Bradbury was one of 12 co-authors on the committee).
- NRC Committee on USGS Water Resources Research. 1997. *Watershed research in the U.S. Geological Survey*. National Academy Press. 86 p. (Bradbury was one of 13 co-authors on the committee).
- Krohelski, J.T., K.R. Bradbury, R.J.Hunt, and S.K. Swanson. 2000. Numerical model of groundwater flow in Dane County, Wisconsin. Wisconsin Geological and Natural History Survey, Bulletin 98, 31 p.
- NRC Committee on USGS Water Resources Research. 2000. *Investigating groundwater systems on regional and national scales*. National Academy Press. 143 p. (Bradbury was one of 13 co-authors and chaired the committee).
- Bradbury, K.R., and W. S. Logan. 2001. Investigating groundwater systems at regional and national scales, *Eos Trans. AGU*, 82(8), p. 98-98.
- Hunt, R.J., K.R. Bradbury, and J.T. Krohelski. 2001. The effect of large-scale pumping and diversion on the water resources of Dane County, Wisconsin. Fact sheet FS-127-01, U.S. Geological Survey. 4 p.
- Rayne, T.W., Bradbury, K.R., and Muldoon, M.A., 2001, Delineation of capture zones for municipal wells in complex fractured carbonate rock. *Hydrogeology Journal*, v. 9(6), p. 432-450.
- Eaton, T.T., K.R. Bradbury, and H.F. Wang, 2001. Verification and characterization of a fracture network within the Maquoketa shale confining unit, southeastern Wisconsin. Open-File Report 2001-04, Wisconsin Geological and Natural History Survey, 35 p.
- Muldoon, M.A., J.A. Slmo, and K.R. Bradbury. 2002. Correlation of hydraulic conductivity with stratigraphy in a fractured-dolomite aquifer, northeastern Wisconsin, USA. *Hydrogeology Journal*, v9, 570-583.
- NRC Committee on USGS Water Resources Research, 2002. *Estimating water use in the United States*. National Academy Press, 176 p. (Bradbury was one of several authors, and chaired the committee for part of the report preparation).

- Bradbury, K.R., 2003. A circuitous path: Protecting groundwater in Wisconsin. *Geotimes*. P 18-21.
- Eaton, T.T. and K.R. Bradbury. 2003. Hydraulic transience and the role of bedding fractures in a bedrock aquitard, southeastern Wisconsin, USA, *Geophysical Research Letters* 30 (18), doi:10.1029/2003GL017913.
- Muldoon, M.A. and Bradbury, K.R. 2005. Site Characterization in Densely Fractured Dolomite: Comparison of Methods. *Ground Water*, v. 43, no. 6. p. 863-876.
- Wilcox, J.D., Bradbury, K.R., Bahr, J. M., and Thomas, C.L. 2005. Assessing background ground water chemistry beneath a new unsewered subdivision. *Ground Water*, v 43, no 6, p 787-795.
- Swanson, S.K., J.M. Bahr, K.R. Bradbury and K. M Anderson. 2006. Evidence for preferential flow through sandstone aquifers in Southern Wisconsin. *Sedimentary Geology*, v 184, p. 331-342.
- Hart, D.J., Bradbury, K.R., and Feinstein, D.T. 2006. The vertical hydraulic conductivity of an aquitard: an evaluation of the Maquoketa Formation at two spatial scales. *Ground Water*. v 44, no 2. p 201-211.
- Dripps, W., and Bradbury, K.R.. 2007. A simple, daily soil-water balance model for estimating the spatial and temporal distribution of groundwater recharge in temperate humid areas. *Hydrogeology Journal*. v15, p 433-444.
- Borchardt, M. A.; Bradbury, K.R.; Gotkowitz, M. B.; Cherry, J. A.; Parker, B. L.. 2007. Human enteric viruses in groundwater from a confined bedrock aquifer. *Environmental Science and Technology*. 41(18); 6606-6612.
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- Wilcox, J. D.; Bahr, J. M.; Hedman, C. J.; Henning, J. D. C.; Barman, M. A. B.; Bradbury, K.R. 2009. Removal of organic wastewater contaminants in septic systems using advanced treatment technologies. *Journal of Environmental Quality* vol:38 iss:1 pg:149 -156
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- Reports and Conference Proceedings*
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Kenneth R. Bradbury

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Rodenbeck, S.A., W.W. Simpkins, K.R. Bradbury, and D.M. Mickelson, 1987. Merging geotechnical data with Pleistocene lithostratigraphy: Examples from eastern Wisconsin. In: Proceedings, 10th Annual Madison Waste Conference, UW-Madison Dept of Professional Development. p.454-476.

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Simpkins, W.W., K.R. Bradbury, and D.M. Mickelson. 1989. Methods for evaluating large-scale heterogeneity in fine-grained glacial sediment. In: Proceedings, Conference on new field techniques for quantifying the physical and chemical properties of heterogeneous aquifers, F.J. Molz, J.G. Melville, and O. Guren, ed. National Water Well Assoc. p. 53-75.

Bradbury, K.R. 1989. Door County's groundwater; An asset or a liability? In: Proceedings, Conference on Door County and the Niagara Escarpment, Wisconsin Academy of Sciences, Arts, and Letters. p. 36-44.

Bradbury, K.R., M.A. Muldoon, A. Zaporozec, and J. Levy. 1991. Delineation of wellhead protection areas in fractured rocks. Technical Completion Report, EPA 570/9-91-009, U.S. Environmental Protection Agency. 144 p.

Zaporozec, A., K.R. Bradbury, J. Levy, and M.A. Muldoon. 1990. Methods for delineating wellhead protection areas in fractured rocks. In: Minimizing Risk to the Hydrologic Environment, A. Zaporozec, ed. American Institute of Hydrology/Kendall-Hunt Publishing, p. 174-181.

Bradbury, K.R., M.A. Muldoon, J. Levy, and A. Zaporozec. 1991. Wellhead protection strategies in unconfined fractured-rock aquifers. In: Proceedings, First USA/USSR Joint Conference on Environmental Hydrology and Hydrogeology, J.A. Moore, R.A. Kanivetsky, J.A. Rosenshien, C. Zenone, and S.A. Csallany, eds., American Institute of Hydrology/Kendall-Hunt Publishing, p. 112-119.

Bradbury, K.R., and M.A. Muldoon, 1991. Hydrogeology and groundwater monitoring of fractured dolomite in the Upper Door Priority Watershed, Door County, Wisconsin: Final report to the Wisconsin Department of Natural Resources. Wisconsin Geological and Natural History Survey. 74 p.

Bradbury, K.R., and R.W. McGrath. 1992. Field study of atrazine contamination of groundwater in Dane County, Wisconsin. Final Administrative Report to the Wisconsin Dept of Ag, Trade, and Consumer Protection and the Wisconsin department of Natural Resources, 71 p.

Bradbury, K.R., and M.A. Muldoon, 1993. Effects of fracture density and anisotropy on wellhead protection area delineation in fractured-rock aquifers. In: Memoires of the XXIVth Congress, International Association of Hydrogeologists, I.A.H. Memoires, Vol XXIV, Part 1, Shicla and David Banks, Editors, p. 169-179.

Bradbury, K.R., and M.A. Muldoon, 1993. Preliminary comparison of a discrete fracture model with a continuum model for groundwater movement in fractured dolomite. Final administrative report to the Wisconsin Department of Natural Resources in fulfillment of DNR Contract # NRB96011. 39 p.

- Mudrey, M.G., and K.R. Bradbury, 1993. Evaluation of NURE hydrogeochemical data for use in Wisconsin groundwater studies. Open-file report 93-2, Wisconsin Geological and Natural History Survey. 57 p.
- K.R. Bradbury, M. Muldoon, A. Klein, D. Misky, and M. Strobel, 1995. Water-table map of Dane County., Open-file report 1995-1, Wisconsin Geological and Natural History Survey. 6 p. with 18 plates.
- Glannin, G. L., Maureen A. Muldoon, J. Antonio Simo, Kenneth R. Bradbury. 1996. Correlation of high-permeability zones with stratigraphic features in the silurian dolomite, Sturgeon Bay, Wisconsin. Open-file report 1996-7, Wisconsin Geological and Natural History Survey, 102 p. with 1 plate.
- Muldoon, M. A. and K.R. Bradbury, 1998. Tracer study for characterization of groundwater movement and contaminant transport in fractured dolomite. 1998-2, Wisconsin Geological and Natural History Survey, vii + 85 + 2 p.
- Bradbury, K.R., T.W. Rayne, M.A. Muldoon, and P.D. Rossers, 1998. Application of a discrete fracture flow model for wellhead protection of Sturgeon Bay, Wisconsin. Open-file report 1998-4, Wisconsin Geological and Natural History Survey, vi + 62 p
- Eaton, T. T. and K.R. Bradbury, 1998. Evaluation of the Confining Properties of the Maquoketa Formation in the SEWRPC Region of Southeastern Wisconsin., Open-file report 1998-11, Wisconsin Geological and Natural History Survey. ii + 34 p.
- K.R. Bradbury, S.K. Swanson, J.T. Krohelski, and A.K. Fritz. 1999. Hydrogeology of Dane County, Wisconsin., 1999. Wisconsin Geological and Natural History Survey, Open-file Report WOFR 1999-04. 66 p. + 2 color plates.
- T.T. Eaton, K.R. Bradbury, and T.J. Evans. 1999. Characterization of the hydrostratigraphy of the deep sandstone aquifer in southeastern Wisconsin. Wisconsin Geological and Natural History Survey, Open File Report WOFR 1999-02. 30 p. + 15 color p. + 1 CDROM.
- Bradbury, K.R., Dripps, W., Hankley, C., Anderson, M.P., and Potter, K.W. 2000. Refinement of two methods for estimation of groundwater recharge rates. Final Project Report to the Wisconsin Department of Natural Resources. 84 p.
- Eaton, T.T, K.R. Bradbury, and H.F. Wang. 2001. . Verification and Characterization of a Fracture Network within the Maquoketa Shale Confining Unit, Southeastern Wisconsin. Wisconsin Geological and Natural History Survey, Open-file Report WOFR 2001-04, 35 p.
- K.R. Bradbury, T.W. Rayne, and M.A. Muldoon, 2002. Field Verification of Capture Zones for Municipal Wells at Sturgeon Bay, Wisconsin: Final Report to the Wisconsin Department of Natural Resources-Wisconsin Geological and Natural History Survey, Open-file Report WOFR 2001-01, 20 p. plus 10 color pages.
- S. Gaffield, M. Gotkowitz, and K. R. Bradbury, 2002. Delineation of zones of contribution for municipal wells in Rock County, Wisconsin: Final report, WGNHS Open-File Report 2002-02, 47 p. plus 1 color page.
- Bradbury, K.R. 2002. How important are horizontal fractures?, International Ground Water Modeling Center Newsletter, vol XX, Issue I., June, 2002. p 4.
- Bradbury, K.R., and T.W. Rayne. 2002. The Sturgeon Bay wellhead-protection project: Delineation of contributing areas for municipal wells in fractured dolomite. In Proceedings, NGWA Conference on Fractured Rocks, Denver, Colorado, March 2002.

Kenneth R. Bradbury

- Eaton, T.T., K.R. Bradbury, M.P. Anderson and T.W. Rayne. 2002. Equivalent porous medium simulation of fracture heterogeneity: importance of conceptual models, discretization and scale. MODEL CARE 2002, 4th International Conference on Calibration and Reliability in Groundwater Modeling, Prague, Czech Republic, June 17-20.
- Feinstein, D.T., T.T. Eaton, D.J. Hart, J.T. Krohelski and K.R. Bradbury. in review. Numerical simulation of shallow and deep groundwater flow in southeastern Wisconsin - Report 1: Data collection, conceptual model development, numerical model construction and model calibration. Wisconsin Geological and Natural History Survey Bulletin, 73 p.
- Feinstein, D.T., D.J. Hart, J.T. Krohelski, T.T. Eaton and K.R. Bradbury. in review. Numerical simulation of shallow and deep groundwater flow in southeastern Wisconsin - Report 2: Model results and interpretation. Wisconsin Geological and Natural History Survey Bulletin, 57 p.
- Chapel, D.M., K.R. Bradbury, and R.J. Hunt. 2003. Delineation of five-year zones of contribution for municipal wells in La Crosse County, Wisconsin. Open-file Report 2003-02. Wisconsin Geological and Natural History Survey. 41 p.
- Gaffield, S. J., T. W. Rayne, L. Wang, and K. R. Bradbury. 2003. Impacts of Land Use and Groundwater Flow on the Temperature of Wisconsin Trout Streams. Final Report to the Wisconsin Water Resources Institute. 19 p.
- Bradbury, K.R., and J. D. Wilcox. 2003. Impacts of privately-sewered subdivisions on groundwater quality in Dane County, Wisconsin. Final report to the Wisconsin Groundwater Research Advisory Council. 16 p.
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- Cherry, J.A., Parker, B.L., Bradbury, K.R., Eaton, T.T., Gotkowitz, M.G., Hart, D.J., and Borchardt, M.A. 2004. Role of aquitards in the protection of aquifers from contamination: a "state of the science" report. Project completion report, American Water Works Association Research Foundation. 176 p.
- Bradbury, K.R., Gotkowitz, M.G., Cherry, J.A., Hart, D.J., Eaton, T.T., Parker, B.L., and Borchardt, M.A. 2004. Assessing Contaminant Transport through Aquitards: Technical Guidance for Water Supply Managers, Project completion report, American Water Works Association Research Foundation. 109 p.
- Bradbury, K.R., J.M. Bahr, and J. D. Wilcox. 2005. Monitoring and predictive modeling of subdivision impacts on groundwater in Wisconsin. Administrative report to the Wisconsin Department of Natural Resources. 17 p.
- LePain, D.L., K. R. Bradbury, and M. K. Cobb. 2005. Hydrostratigraphy of west-central Wisconsin: A new approach to groundwater management. Administrative report to the University of Wisconsin Water Resources Institute. 10 pages plus appendices on CD-ROM. (Also listed as WGNHS open-file report 2005-04).
- Hart, D., P. Schoephoester, and K. Bradbury. 2009. Groundwater recharge in Dane County, Wisconsin, estimated by a GIS-based water-balance model. WGNHS Open-File Report 2009-01. 16 color p

Kenneth R. Bradbury

- Hart, D., K. Bradbury, D. Feinstein, and B. Tikoff. 2008. Mechanisms of groundwater flow across the Maquoketa Formation. WGNHS Open-file report 2008-03. 39 p. + 12 color p.
- Bradbury, K.R. and M. K. Cobb. 2008. Delineation of areas contributing groundwater to springs and wetlands supporting the Hine's Emerald Dragonfly, Door County, Wisconsin. WGNHS Open-file report 2008-04. 17 p. + 17 color p.
- Bradbury, K.R., M.A. Borchardt, M. Gotkowitz, and R.J. Hunt. 2008. Assessment of Virus Presence and Potential Virus Pathways in Deep Municipal Wells. WGNHS Open-file report 2008-08. 48 p.
- Hooyer, T., D.J. Hart, K.R. Bradbury, and W.G. Batten. 2008. Investigating groundwater recharge to the Cambrian-Ordovician aquifer through fine-grained glacial deposits in the Fox River Valley. WGNHS Open-file report 2008-07. 48 p.

*Abstracts*

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- Bradbury, K.R., 1982. Application of a groundwater parameter estimation model to a lake-aquifer flow system. Geological Society of America, Abstracts with Programs, v. 14, no. 7, p. 450.
- Stoertz, M.W., K.R. Bradbury, and J.M. Faustini, 1985. Delineating groundwater recharge areas using water table maps and mass balance calculations. EOS, v. 66, no. 46, p. 883.
- Simpkins, W.W., S.A. Rodenbeck, M.A. Muldoon, D.M. Mickelson, and K.R. Bradbury, 1986. Are Pleistocene lithostratigraphic units equivalent to hydrostratigraphic units in Wisconsin? Geological Society of America, Abstracts with Programs, V.18, No.4, p.324.
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- Kendy, E., and K.R. Bradbury, 1987. Hydrogeology of an outwash deposit: The Wisconsin River valley of Marathon County, Wisconsin. Geological Society of America, Abstracts with Programs, v. 19, p. 208.
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- Rodenbeck, S.A., W.W. Simpkins, D.M. Mickelson, and K.R. Bradbury, 1987. Engineering and hydrogeologic properties of Late Wisconsin glacial materials in the Green Bay and Lake Michigan lobes. Geological Society of America, Abstracts with Programs, v.19, p.240.

- Simpkins, W.W., S.A. Rodenbeck, D.M. Mickelson, and K.R. Bradbury. 1987. Spatial variation of hydraulic conductivity in the Oak Creek Formation of southeastern Wisconsin. Geological Society of America, Abstracts with Programs, v. 19, p. 246.
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