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☛ **Randall J. Hunt**

(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

Hunt, Randall, of Cross Plains, as a member of the Examining Board of Professional Geologists, Hydrologists and Soil Scientists, to serve for the term ending July 1, 2012.

January 06, 2009 Referred to Committee on Transportation, Tourism, Forestry, and Natural Resources.

February 19, 2009 **PUBLIC HEARING HELD**

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

Absent: (0) None.

Appearances For

- None.

Appearances Against

- None.

Appearances for Information Only

- None.

Registrations For

- Libby Gerds, Madison — Office of Governor Doyle

Registrations Against

- None.

Registrations for Information Only

- None.

February 19, 2009 **EXECUTIVE SESSION HELD**

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

Absent: (0) None.

Moved by Senator Holperin that **Hunt, Randall** be recommended for confirmation.

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

Noes: (0) None.

CONFIRMATION RECOMMENDED, Ayes 7, Noes 0

Elizabeth Novak
Committee Clerk



State of Wisconsin\Government Accountability Board

Ethics & Accountability Division
44 East Millin, Ste. 601
Madison, WI 53703
Phone (608) 266-8123
Fax (608) 264-9319
E-mail: ethics@ethics.state.wi.us



KEVIN J. KENNEDY
Director and General Counsel

8/1/2008

Senate Committee Members:

The attached Statement of Economic Interests is provided with regard to the individual's nomination to a State Public Office by Governor Jim Doyle.

Sincerely,
STATE OF WISCONSIN GOVERNMENT
ACCOUNTABILITY BOARD

Nominee: **Hunt, Randall J.**
Nomination Date: **7/29/2008**

Statement of Economic Interests
 Filed in 2008 for calendar year 2007 by

RECEIVED

Hunt, Randall J.

MAR 5 2008

Professional Geologists, Hydrologists & Soil Scientists, Examining Board of
 Member

Wisconsin Government Accountability Board
 Ethics & Accountability Division

FOR EXPLANATIONS, EXAMPLES AND EXCEPTIONS SEE THE INSTRUCTIONS OR VISIT OUR WEBSITE AT <http://ethics.state.wi.us>.
 Still have questions? For priority service send an e-mail to: ethics@ethics.state.wi.us; otherwise leave a detailed message on the website.
 ATTACH ADDITIONAL PAGES AS NEEDED

Part A

As of December 31, 2007

1. INVESTMENTS

a) WISCONSIN DEFERRED COMPENSATION PROGRAM If you held an investment in a fund available within the Wisconsin Deferred Compensation Program, please place a checkmark next to each fund in which you held \$5,000 or more, whether held privately or through the Program.

Profile Series	More than \$50,000		Small Cap	More than \$50,000		Bond	More than \$50,000	
	\$50,000 or less	\$50,000		\$50,000 or less	\$50,000		\$50,000 or less	\$50,000
Vanguard Retirement 2045 Fund	<input type="checkbox"/>	<input type="checkbox"/>	BGI Russell 2000 Index - Collective T	<input type="checkbox"/>	<input type="checkbox"/>	BGI US Debt Index Fund - Collective W	<input type="checkbox"/>	<input type="checkbox"/>
Vanguard Retirement 2035 Fund	<input type="checkbox"/>	<input type="checkbox"/>	DFA US Micro Cap Fund	<input type="checkbox"/>	<input type="checkbox"/>	Federated US Government Securities 2-5yr	<input type="checkbox"/>	<input type="checkbox"/>
Vanguard Retirement 2025 Fund	<input type="checkbox"/>	<input type="checkbox"/>	Mid Cap			Vanguard Long-term Investment Grade Adm	<input type="checkbox"/>	<input type="checkbox"/>
Vanguard Retirement 2015 Fund	<input type="checkbox"/>	<input type="checkbox"/>	BGI Mid Cap Equity Index - Collective W	<input type="checkbox"/>	<input type="checkbox"/>	Money Market		
Vanguard Target Retirement Income Fund	<input type="checkbox"/>	<input type="checkbox"/>	T Rowe Price Mid Cap Growth Fund	<input type="checkbox"/>	<input type="checkbox"/>	Vanguard Admiral Treasury Money Market	<input type="checkbox"/>	<input type="checkbox"/>
International			Large Cap			Fixed Returns for the Quarter		
American Funds Euro Pacific RS	<input type="checkbox"/>	<input type="checkbox"/>	Calvert Social Investment Equity I	<input type="checkbox"/>	<input type="checkbox"/>	Stable Value Fund	<input type="checkbox"/>	<input type="checkbox"/>
BGI EAFE Equity Index - Collective W	<input type="checkbox"/>	<input type="checkbox"/>	Fidelity Contra Fund	<input type="checkbox"/>	<input type="checkbox"/>	FDIC Bank Option	<input type="checkbox"/>	<input type="checkbox"/>
			Vanguard Institutional Index Fund Plus	<input type="checkbox"/>	<input type="checkbox"/>			
			Vanguard Wellington Fund - Admiral	<input type="checkbox"/>	<input type="checkbox"/>			

b) OTHER INVESTMENTS List stocks, bonds, limited partnerships, Wisconsin governmental securities, and mutual and money market funds in which you and your family's interest was valued at \$5,000 or more.

MUTUAL OR MONEY MARKET FUND	(check one)	\$50,000 or less	More than \$50,000
Janus Overseas	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
US Government FERS Index	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Vanguard 500 Index	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
STOCKS/OPTIONS/FUTURES	(check one)	\$50,000 or less	More than \$50,000
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
BONDS	(check one)	\$50,000 or less	More than \$50,000
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
LIMITED PARTNERSHIPS	(check one)	\$50,000 or less	More than \$50,000
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

	<input type="checkbox"/>	<input type="checkbox"/>
WISCONSIN GOVERNMENTAL SECURITIES	(check one) \$50,000 or less	More than \$50,000
	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>

2. BUSINESS ACTIVITIES List businesses, farms, rental, commercial, and income-producing real estate; and business activities in which you or your family had at least a 10% or greater interest.

a) Enterprise(s) operating under a business or trade name, list here.

Name of business	Municipality or Town	County	State	Describe nature of business

b) Enterprise(s) NOT operating under a business or trade name, list here.

Name of business	Municipality or Town	County	State	Describe nature of business

3. COMMERCIAL CUSTOMERS, CLIENTS, AND TENANTS For each unincorporated business, subchapter S corporation, service corporation (SC), limited liability company (LLC), partnership, or income-producing real estate reported in Item 2, list businesses, organizations, and lobbyists that paid the enterprise \$1,000 or more in calendar year 2007.

Check if the organization authorized you to represent it in its dealings with others as an attorney-at-law, agent, spokesperson, or representative.

Businesses, organizations, lobbyists that were customers, clients, or tenants	City	State	"✓"
			<input type="checkbox"/>
			<input type="checkbox"/>

4. BUSINESS PARTNERS For each enterprise reported under Item 2, list its co-owners, partners, officers, and directors (other than yourself), unless the information is already registered with the Wisconsin Department of Financial Institutions.

Business	Partners, or officers and directors	City	State

5. NON-COMMERCIAL REAL ESTATE List the specific location of WISCONSIN REAL ESTATE in which you or your family had an interest (except your principal residence and real estate whose location you already listed in item 2).

Location of property Street address or fire number	Municipality or town	County	Nature of interest (e.g. own, lease, option, easement, land contract)
16274 Park Rd.	Hayward	Sawyer	own

6. OFFICERS AND DIRECTORS List organizations of which you or a family member was an officer or director (unless already listed in item 2).

Business or organization	City	State	Position

7. AGENT, REPRESENTATIVE OR SPOKESPERSON List organizations that authorized you or a family member to represent them in their dealings with others as an attorney-at-law, agent, spokesperson, or representative (unless already listed in item 2, 3 or 6).

Business or organization	City	State

8. CREDITORS List creditors to which you or your family owed \$5,000 or more. (check one)

Creditor	City	State	\$50,000 or less	More than \$50,000
UW Credit Union	Madison	WI	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Washington Mutual Bank	Milwaukee	WI	<input type="checkbox"/>	<input checked="" type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>

Part B For calendar year 2007

9. EMPLOYERS List your and your family's EMPLOYERS (\$1,000 or more of income) in 2007.

Name of employer (if State of Wisconsin, also identify agency or Institution)	City	State	Nature of employer's business
Middleton Cross Plains Schools	Middleton	WI	education
University of Wisconsin - Madison	Madison	WI	education
US Geological Survey	Middleton	WI	Hydrologic investigation

10. ADDITIONAL SOURCES OF INCOME List other sources from which you or your family received income of \$1,000 or more in 2007.

Source of income	City	State

11. ENTERTAINMENT AND GIFTS List individuals and organizations that provided you with entertainment or gifts (more than \$50) in 2007.

Name of provider	City	State

12. HONORARIA AND EXPENSES List, for 2007, sources of honoraria and payment of expenses related to your state government duties (more than \$50) not previously reported to the Government Accountability Board.

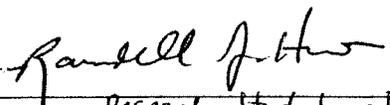
Payer	Approximate value of expenses	Amount of honorarium	Circumstances of receipt

FILING NOTES -or- COMMENTS

If we saw an opportunity to clarify a prior report, we added comments or filing tips below. Please review any comments and make the appropriate corrections.

CERTIFICATION

I have read the accompanying instructions and certify that the information contained in this Statement of Economic Interests is true, complete, and correct to the best of my knowledge, information, and belief. If any part has been left blank, I have done so intentionally because there is nothing to report.

 _____ Signature of person filing	Daytime phone # (608) 821-3847 _____ Date 3/3/08	E-mail address rjhunt@usgs.gov _____ E-mail address
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The information sought in this form is required by §§19.43 and 19.44, *Wisconsin Statutes*. Failure to file a completed form may result in a forfeiture of up to \$500. Statements of Economic Interests are open for public inspection. The Government Accountability Board will notify you of the identity of any person who examines your Statement. In accordance with §15.04(1)(m), *Wisconsin Statutes*, the Government Accountability Board states that no personally identifiable information is likely to be used for purposes other than those for which it is collected.

Mail or fax to: Wisconsin Government Accountability Board, 44 E. Mifflin St., Suite 601, Madison, WI 53703-2800; Fax: (608) 264-9319



JIM DOYLE
GOVERNOR
STATE OF WISCONSIN

July 29, 2008

To the Honorable, the Senate:

I am pleased to nominate and with the advice and consent of the Senate, do reappoint Randall Hunt to be a Professional Hydrologist on the Examining Board of Professional Geologists, Hydrologists and Soil Scientists to serve a term expiring July 1, 2012.

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

Respectfully submitted,


Jim Doyle
Governor



JIM DOYLE
GOVERNOR
STATE OF WISCONSIN

July 29, 2008

Mr. Randall J. Hunt
2059 Glacier Circle
Cross Plains, Wisconsin 53528

Dear Mr. Hunt:

I am pleased to reappoint you to the Examining Board of Professional Geologists, Hydrologists and Soil Scientists, effective July 29, 2008. Your experience, knowledge, and dedication continue to be a true asset to my administration and a great benefit to the people of Wisconsin.

I look forward to working with you to find creative ways of delivering services and implementing positive change for the citizens of our state.

Sincerely,


Jim Doyle
Governor

A. VITAE **Randall J. Hunt**

Research Hydrologist
US Geological Survey
8505 Research Way
Middleton, WI 53562
Ph: 608-821-3847 Fax: 608-821-3817
Email: rjhunt@usgs.gov

Adjunct Professor
University of Wisconsin-Madison
Dept. of Geology and Geophysics
Weeks Hall
1215 W. Dayton Street
Madison, WI 53706

EDUCATION

9/90-12/93	University of Wisconsin-Madison	Ph.D. 12/93	Hydrogeology (major) Wetland Sciences (minor)
8/85 - 8/87	University of Wisconsin-Madison	M.S. 8/87	Hydrogeology/Geochemistry (major)
9/81 - 6/85	Gustavus Adolphus College	B.A. 6/85	Geology (major) Business (major)

PREVIOUS PROFESSIONAL POSITIONS:

- 1990-1996 Hydrologist, USGS, WRD
- 1991-1993 Research Fellow, USDOE, Environmental Restoration & Waste Manag. Program.
- 1988-1990 Hydrogeologist/Project Manager, Barr Engineering Company, Mpls., MN.
- 1986-1987 Leopold Research Fellow, Leopold Memorial Reserve, Baraboo, WI.

PROFESSIONAL MEMBERSHIPS

- American Water Resources Association Wisconsin Section - Vice President 1996, President-Elect 1997, President 1998, Past-President 1999.
- Geological Society of America
- Society of Wetland Scientists
- American Geophysical Union
- Association of Ground Water Scientists and Engineers
- Phi Beta Kappa (Eta Chapter)
- State of Wisconsin Groundwater Coordinating Council Research Subcommittee 1995 – present
- Appointed University Groundwater Research Advisory Council 1998 – present, Chair 2003 – present

SCIENTIFIC SERVICE:

- **Associate Editor** for *Ground Water* 1997 – present
- **Associate Editor** for *Wetlands* 2002 – 2004
- Reviewer for *Ground Water* 1990 - present
- Reviewer for *Water Resources Research* 1993 - present
- Reviewer for *Wetlands* 1998 – present

- Reviewer for *Hydrological Processes*, Nat'l Institute for Water Resources, *Journal of Hydrology*, *Urban Ecosystems*, *Journal of Environmental Quality*, *Hydrological Science and Technology*, *Geophysical Research Letters*, *Advances in Environmental Research*, National Science Foundation, Natural Environment Research Council (U.K. Gov.)
- Yucca Mountain Project modeling review panel – 1994
- Expert consultant for Wisconsin Department of Natural Resources 1994 – present
- Panelist for Int'l Atomic Energy Agency, US Department of Interior, US COE, two Department of Interior sponsored panels, and the National Institute for Water Resources.

TECHNICAL TRAINING PROVIDED:

- Graduate and undergraduate University Instructor for hydrogeology and analytic element modeling
- University of Wisconsin-La Crosse *Wetland Delineation* (1-3 times annually 1999-2008)
- WDNR *Wetland Hydrology using the 1987 manual* (June 2001)
- State of Wisconsin Dept. of Administration *Wetland Delineation* (2-3 times annually 1995-1998)
- University of Wisconsin Engineering Professional Development *Groundwater Flow, Well Hydraulics and Contaminant Transport* (1998)
- University of Wisconsin-Extension *Wetland Hydrology* (May 1997)
- USDA Natural Resources Conservation Service *Hydrologic Tools for Wetland Determination* (1997)
- University of Wisconsin Engineering Professional Development *Groundwater Modeling for Contaminant Assessment and Remediation* (January and June 1997)
- University of Wisconsin-Extension *Wetland Hydrology* (May 1996)
- WDNR *Advanced Wetland Hydrology* (September 1994)
- USDA Natural Resources Conservation Service *Wetland Restoration* (1994)
- Wisconsin Department of Natural Resources (WDNR) *Wetland Hydrology* (1992)

OTHER TECHNICAL ACTIVITIES:

- Consultant to the International Atomic Energy Agency Coordinated Research Program for isotopic investigations of wetlands
- Guest Editor for the journal *Ground Water* for a Special Theme Issue on "Ground Water Flow Modeling with the Analytic Element Method" (vol. 44, no. 1, January-February 2006). My co-editors included Henk Haitjema, Igor Jankovic, and Wim de Lange.
- Guest Editor for a Special Theme Issue of *Hydrogeology Journal* on Groundwater dependent ecosystems (to be published January 2009). My co-editors included Peter Hancock and Andrew Boulton.

HONORS, AWARDS, RECOGNITION, ELECTED MEMBERSHIPS:

Elected to Fellowship in the Geological Society of America, April 2007
 Elected affiliate faculty member, University of Wisconsin-La Crosse
 U.S. Geological Survey Performance Award (every year since 1994 with the exception of 1996)
 2/00 - U.S. Geological Survey Special Act Award for Outstanding Service to District
 6/92 - U.S. Geological Survey Special Act Award for Service to Organization
 4/94 - Elected into Sigma Xi
 5/85 - Magna Cum Laude, Gustavus Adolphus College
 5/85 - Elected into Phi Beta Kappa

B. BIBLIOGRAPHY

- Hunt, R.J., 1987, A Survey of the Hydrogeochemistry of the Leopold Memorial Reserve, Baraboo, Wisconsin, M.S. Thesis, University of Wisconsin-Madison, 170 p.
- Hunt, R.J., 1993, Hydrological and Hydrogeochemical Investigations of Natural and Constructed Wetlands Near Wilton, Wisconsin, Ph.D. Thesis, University of Wisconsin-Madison, 155 p.
- Hunt, R.J., Krabbenhoft, D.P., and Anderson, M.P., 1996, Groundwater inflow measurements in wetland systems, *Water Resources Research* 32(3), p. 495-507.
(GSA Meinzer Award Paper – awarded Mary P. Anderson October 1998).
- Hunt, R.J. and Krohelski, J.T., 1996, The application of an analytic element model to investigate groundwater-lake interactions at Pretty Lake, Wisconsin, *Journal of Lakes and Reservoir Management* 12(4):487-495.
- Hunt, R.J., 1996, Do created wetlands replace wetlands that are destroyed?, USGS Fact Sheet FS-246-96, 4 p.
- Hunt, R.J., Krabbenhoft, D.P., and Anderson, M.P., 1997, Assessing hydrogeochemical heterogeneity in natural and constructed wetlands, *Biogeochemistry* 39, p. 271-293.
- Hunt, R.J., 1997, Book Review: Wetlands – Environmental Gradients, Boundaries and Buffers. *Ground Water* 35(4), p. 731.
- Hunt, R.J., Bullen, T.D., Krabbenhoft, D.P., and Kendall, C., 1998, Using stable isotopes of water and strontium to investigate the hydrology of a natural and a constructed wetland, *Ground Water* 36(3), p.434-443.
- Hunt, R.J., Anderson, M.P., and Kelson, V.A., 1998, Improving a complex finite difference groundwater-flow model through the use of an analytic element screening model. *Ground Water* 36(6), p.1011-1017.
- Hunt, R.J., Kelson, V.A., and Anderson, M.P., 1998, Linking an analytic element flow code to MODFLOW – Implementation and benefits. p. 497-504 in *MODFLOW'98: Proceedings of the 3rd International Conference of the International Ground Water Modeling Center*. Golden, CO: Colorado School of Mines.
- Hunt, R.J., and Zheng, C., 1999, Debating Complexity in Modeling. *Eos*, Transactions, American Geophysical Union, 80(3), p. 29.
- Hunt, R.J., Walker, J.F., and Krabbenhoft, D.P., 1999, Characterizing hydrology and the importance of ground-water discharge in natural and constructed wetlands. *Wetlands* 19(2), p. 458-472.
- Hunt, R.J., Jackson, J.O., Running, G.L., Krabbenhoft, D.P., and Krohelski, J.T., 1999, Hydrogeological, geomorphological, and vegetative investigations of select wetland creation and restoration projects. Madison, WI: Department of Transportation Technical Report SPR-0092-45-91. FHWA, Washington DC. 284 p.
- Grannemann, N.G., Hunt, R.J., Nicholas, J.R., Reilly, T.E., and Winter, T.C., 2000, The importance of ground water to the Great Lakes Region. USGS Water-Resources Investigations Report 00-4008. 12 p.
- Hunt, R.J., Graczyk, D.J., and Rose, W.J., 2000, Water flows in the Necedah National Wildlife Refuge, USGS Fact Sheet FS-068-00, 4 p.
- Hunt, R.J., Lin, Y., Krohelski, J.T., and Juckem, P.F., 2000, Simulation of the shallow hydrologic system in the vicinity of Middle Genesee Lake, Wisconsin, using analytic elements and parameter estimation: USGS Water-Resources Investigations Report 00-4136. 16 p.
- Hunt, R.J., and Steuer, J.J., 2000, Simulation of the recharge area for Frederick Springs, Dane County, Wisconsin: USGS Water-Resources Investigations Report 00-4172. 33 p.

- Johnson, T.M., Roback, R.C., McLing, T.L., Bullen, T.D., DePaolo, D.J., Doughty, C., Hunt, R.J., Smith, R.W., Cecil, L.D., and Murrell, M.T., 2000, Groundwater "fast paths" in the Snake River Plain aquifer: Radiogenic isotope ratios as natural groundwater tracers. *Geology* 28(10): 871-874.
- Krohelski, J.T., Bradbury, K.R., Hunt, R.J., and Swanson, S.K., 2000, Numerical simulation of groundwater flow in Dane County, Wisconsin. Wisconsin Geological and Natural History Survey Bulletin 98, 31 p.
- Steuer, J.J., and Hunt, R.J., 2001, Use of a Watershed-Modeling Approach to Assess Hydrologic Effects of Urbanization, North Fork Pheasant Branch Basin near Middleton, Wisconsin. USGS Water-Resources Investigations Report 01-4113. 49 p.
- Hunt, R.J., Steuer, J.J., Mansor, M.T.C., and Bullen, T.D., 2001, Delineating a recharge area for a spring using numerical modeling, Monte Carlo techniques, and geochemical investigation. *Ground Water* 39(5), p. 702-712.
- Hunt, R.J., and Steuer, J.J., 2001, Evaluating the Effects of Urbanization and Land-Use Planning Using Ground-Water and Surface-Water Models. USGS Fact Sheet FS-102-01, 4 p.
- Hunt, R.J., Haitjema, H.M., Krohelski, J.T., and Feinstein, D.T., 2001, Simulating groundwater-lake interactions with models: MODFLOW and analytic element approaches. p. 328-334 in *MODFLOW 2001 and Other Modeling Odysseys: Proceedings of the 4th International Conference of the International Ground Water Modeling Center*. Golden, CO: Colorado School of Mines.
- Lin, Y., Krohelski, J.T., and Hunt, R.J., 2001, Simulation of lake stage in two seepage lakes in southcentral Wisconsin using the LAK3 package for MODFLOW. p. 411-417 in *MODFLOW 2001 and Other Modeling Odysseys: Proceedings of the 4th International Conference of the International Ground Water Modeling Center*. Golden, CO: Colorado School of Mines.
- Feinstein, D.T., Dunning, C.P., and Hunt, R.J., 2001, Joint application of GFLOW and MODFLOW to determine the relative importance of shallow and deep groundwater receptors. p. 678-684 in *MODFLOW 2001 and Other Modeling Odysseys: Proceedings of the 4th International Conference of the International Ground Water Modeling Center*. Golden, CO: Colorado School of Mines.
- Lott, R.B., and Hunt, R.J., 2001, Estimating evapotranspiration in natural and constructed wetlands. *Wetlands* 21(4) p. 614-628.
- Hunt, R.J., Bradbury, K.R., and Krohelski, J.T., 2001, The effects of large-scale pumping and diversion on the water resources in Dane County, Wisconsin. USGS Fact Sheet FS-127-01, 4 p.
- Anderson, M.P., Hunt, R.J., Krohelski, J.T., and Chung, K., 2002, Using high hydraulic conductivity nodes to simulate seepage lakes. *Ground Water* 40(2), p. 119-124.
- Kelson, V.A., Hunt, R.J., and Haitjema, H.M., 2002, Improving a regional model using reduced complexity and parameter estimation. *Ground Water* 40(2), p. 138-149.
- Krohelski, J.T., Lin, Y., Rose, W.J., and Hunt, R.J., 2002, Simulation of Fish, Mud and Crystal Lakes and the Shallow Ground-Water System, Dane County, Wisconsin. USGS Water-Resources Investigations Report 02-20. 18 p.
- Krohelski, J.T., Rose, W.J., and Hunt, R.J., 2002, Hydrologic Investigation of Powell Marsh and its Relationship to Dead Pike Lake Vilas County, Wisconsin, USGS Water-Resources Investigations Report 02-4034. 21 p.
- Hunt, R.J., 2002, Evaluating the importance of future data collection sites using parameter estimation and analytic element groundwater flow models, p. 755-762 in *Proceedings from the XIV International Conference on Computational Methods in Water Resources Conference*. Delft, The Netherlands.

- Bravo, H.R., Jiang, F., and Hunt, R.J., 2002, Using groundwater temperature data to constrain parameter estimation of groundwater flow models that include wetlands. *Water Resources Research* 38(8): 10.1029/2000WR000172.
- Hunt, R.J., Haitjema, H.M., Krohelski, J.T., and Feinstein, D.T., 2003, Simulating ground water-lake interactions: approaches and insights, invited contribution for special MODFLOW2001 issue, *Ground Water* 41(2), p. 227-237.
- Hunt, R.J., 2003, Ground Water – Lake interaction modeling using the LAK3 Package for MODFLOW2000, invited contribution for special MODFLOW2001 issue, *Ground Water* 41(2), p. 114-118.
- Feinstein, D.T., Dunning, C.P., Hunt, R.J., and Krohelski, J.T., 2003, Stepwise use of GFLOW and MODFLOW to determine relative importance of shallow and deep receptors, invited contribution for special MODFLOW2001 issue, *Ground Water* 41(2), p. 190-199.
- Graczyk, D.J., Hunt, R.J., Greb, S.R., Buchwald, C.A., and Krohelski, J.T., 2003, Hydrology, water quality, and yields, from near-shore flows to four lakes in northern Wisconsin, 1999-2001, USGS Water-Resources Investigations Report 03-4144. 64 p.
- Hunt, R.J., and Wilcox, D.A. 2003. Ecohydrology – Why Hydrologists Should Care. *Ground Water* 41(3), p. 289.
- Hunt, R.J., and Wilcox, D.A. 2003. Response to comment of Ecohydrology – Why Hydrologists Should Care. *Ground Water* 41(5), p. 562-563.
- Hunt, R.J., Saad, D.A., and Chapel, D.M., 2003, Numerical Simulation of Ground-Water Flow in La Crosse County, Wisconsin and into Nearby Pools of the Mississippi River. USGS Water-Resources Investigations Report 03-4154. 36 p.
- Chapel, D.M., Bradbury, K.R. and Hunt, R.J., 2003, Delineation of 5-year zones of contribution for municipal wells in La Crosse County, Wisconsin: Wisconsin Geological and Natural History Survey Open-File Report 2003-02, 42 p.
- Chapel, D.M., Bradbury, K.R., Hunt, R.J., and Hennings, R.G., 2003, Hydrogeology of La Crosse County, Wisconsin: Wisconsin Geological and Natural History Survey Open file Report 2003-03, 75 p.
- Hunt, R.J., Pint, C.D., and Anderson, M.P., 2003, Using Diverse Data Types to Calibrate a Watershed Model of the Trout Lake Basin, Northern Wisconsin, p.600-604 in *MODFLOW and More 2003: Understanding through Modeling: Proceedings of the 5th International Conference of the International Ground Water Modeling Center*. Golden, CO: Colorado School of Mines.
- John, R., Pint, C.D., Anderson, M.P., and Hunt, R.J., 2003, The Effects of Potential Climate Change on Lake Levels and Lake Capture Zones, p. 212-216 in *MODFLOW and More 2003: Understanding through Modeling: Proceedings of the 5th International Conference of the International Ground Water Modeling Center*. Golden, CO: Colorado School of Mines.
- Walker, J.F., Hunt, R.J., Bullen, T.D., Kendall, C., and Krabbenhoft, D.P., 2003, Spatial and temporal variability of isotope and major ion chemistry in the Allequash Creek basin, northern Wisconsin, special small watersheds issue of *Ground Water* 41(7): 883-894.
- Pint, C.D., Hunt, R.J., and Anderson, M.P., 2003, Flow path delineation and ground water age, Allequash Basin, Wisconsin, special small watersheds issue of *Ground Water* 41(7): 895-902.
- Hunt, R.J., 2003, A water science primer. Wisconsin Academy of Sciences, Arts and Letters *Transactions* 90: 11-21.
- Borchardt, M.A., Haas, N.L., and Hunt, R.J., 2004, Vulnerability of drinking water wells in La Crosse, Wisconsin to enteric virus contamination from surface water contributions, *Applied and Environmental Microbiology* 70(10): 5937-5946.

- Dunning, C.P., Feinstein, D.T., Hunt, R.J., and Krohelski, J.T., 2004, Simulation of ground-water flow, surface-water flow, and a deep sewer tunnel system in the Menomonee Valley, Milwaukee, Wisconsin, USGS Water-Resources Investigations Report 04-5031. 38 p.
- Hunt, R.J., Coplen, T.B., Haas, N.L., Saad, D.A., and Borchardt, M.A., 2005, Investigating surface water-well interaction using stable isotope ratios of water. *Journal of Hydrology* 302(1-4): 154-172.
- Branfireun, B.A., Krabbenhoft, D.P., Hintelmann, H., Hunt, R.J., Hurley, J.P., and Rudd, J.W.M., 2005, Speciation and transport of newly deposited mercury in a boreal forest wetland: a stable mercury isotope approach. *Water Resources Research* 41(6): W06016 doi:10.1029/2004WR003219.
- Feinstein, D.T., Buchwald, C.A., Dunning, C.P., and Hunt, R.J., 2005, Development and application of a screening model for simulating regional ground-water flow in the St. Croix River Basin, Minnesota and Wisconsin. USGS Scientific Investigations Report 2005-5283.
- Juckem, P.F., Hunt, R.J., and Anderson, M.P., 2005, Scale effects of hydrostratigraphy and recharge zonation on stream baseflow. *Ground Water* doi: 10.1111/j.1745-6584.2005.00136.x.
- Peters, N.E., Shanley, J.B., Aulenback, B.T., Webb, R.M., Campbell, D.H., Hunt, R.J., Larsen, M.C., Stallard, R.F., Troester, J., and Walker, J.W., 2006, Water and solute mass balance of five small, relatively undisturbed watersheds in the U.S. *Science of the Total Environment* 358: 221-242.
- Hunt, R.J., Strand, M., and Walker, J.F., 2005, Measuring groundwater-surface water interaction and its effect on wetland stream benthic productivity, Trout Lake watershed, northern Wisconsin, USA. *Journal of Hydrology* doi:10.1016/j.jhydrol.2005.07.029.
- Hunt, R.J., Feinstein, D.T., Pint, C.D., and Anderson, M.P., 2005, The importance of diverse data types to calibrate a watershed model of the Trout Lake Basin, northern Wisconsin. *Journal of Hydrology* doi:10.1016/j.jhydrol.2005.08.005.
- Gebert, W.A., Kennedy, J.L., and Hunt, R.J., 2005, The importance of spatial and temporal variability in recharge, in Neff, B.P., Piggott, A.R., and Sheets, R.A., Estimation of shallow ground-water recharge in the Great Lakes Basin USGS SIR 2005-5284.
- Hunt, R.J., and Doherty, J. 2006. A strategy of constructing models to minimize prediction uncertainty, p. 56-60 in *MODFLOW and More 2006 - Managing Ground Water Systems: Proceedings of the 7th International Conference of the International Ground Water Modeling Center*. Golden, CO: Colorado School of Mines.
- Feinstein, D.T., Haitjema, H.M., and Hunt, R.J., 2006, Towards more accurate leakage and conjunctive use simulations: A coupled GFLOW-MODFLOW application, p. 109-113 in *MODFLOW and More 2006 - Managing Ground Water Systems: Proceedings of the 7th International Conference of the International Ground Water Modeling Center*. Golden, CO: Colorado School of Mines.
- Lowry, C.S., Anderson, M.P., and Hunt, R.J., 2006, Modeling groundwater flow and heat transport within a fen/stream complex, p. 278-282 in *MODFLOW and More 2006 - Managing Ground Water Systems: Proceedings of the 7th International Conference of the International Ground Water Modeling Center*. Golden, CO: Colorado School of Mines.
- Haitjema, H.M., Hunt, R.J., Jankovic, I., and de Lange, W.J., 2006, Foreword to a Special Theme Issue on Analytic element modeling for Ground Water flow. *Ground Water* 44(1): 1-2.
- Hunt, R.J. 2006, Review Paper: Ground water modeling applications using the analytic element method, *Ground Water* 44(1):4-15.
- Dripps, W.R., Hunt, R.J., and Anderson, M.P., 2006, Estimating recharge rates with analytic element models and parameter estimation. *Ground Water* 44(1):47-55.
- Hunt, R.J., Greb, S.R., Graczyk, D.J., 2006, Evaluating the effects of nearshore development on Wisconsin lakes. USGS Fact Sheet FS-2006-3033, 4 p.

- Kurtz, A.M., Bahr, J.M., Carpenter, Q.J., and Hunt, R.J., 2007, The importance of subsurface geology for water source and vegetation communities in Cherokee Marsh, Wisconsin. *Wetlands* 27(1): 189-202.
- Juckem, P.F. and Hunt, R.J., 2007, Simulation of the shallow ground-water-flow system near Grindstone Creek and the Community of New Post, Sawyer County, Wisconsin. US Geological Survey Scientific Investigations Report 2007-5014. 29 p.
- Walker, J.F., Saad, D.A., and Hunt, R.J., 2007, Dynamics of CFCs in northern temperate lakes and adjacent groundwater. *Water Resources Research* 43(4) W04423, <http://dx.doi.org/10.1029/2005WR004647>
- Hunt, R.J., Doherty, J., and Tonkin, M.J., 2007, Are models too simple? Arguments for increased parameterization. Issue Paper, *Ground Water* 45(3): 254-263, doi: 10.1111/j.1745-6584.2007.00316.x.
- Lowry, C.S., Walker, J.F., Hunt, R.J., and Anderson, M.P., 2007, Identifying spatial variability of groundwater discharge in a wetland stream using a distributed temperature sensor. *Water Resources Research*, 43, W10408, <http://www.agu.org/pubs/crossref/2007/2007WR006145.shtml>.
- Juckem, P.F., Hunt, R.J., Anderson, M.P., and Robertson, D.M., 2008, Effects of climate and land management change on streamflow in the Driftless area of Wisconsin. *Journal of Hydrology* 355: 123-130.
- Hunt, R.J., Prudic, D.E., Walker, J.F., and Anderson, M.P., 2008, Importance of unsaturated zone flow for simulating recharge in a humid climate. *Ground Water* 46(4):551-560. doi: 10.1111/j.1745-6584.2007.00427.x
- Hunt, R.J., Walker, J.F., and Doherty, J., 2008, Using GSFLOW to simulate climate change in a northern temperate climate, p. 109-113 in *MODFLOW and More 2008: Ground water and public policy, Proceedings of the 9th International Conference of the International Ground Water Modeling Center*. Golden, CO: Colorado School of Mines.
- Fienen, M.N., Clemo, T., and Hunt, R.J., 2008, Parameter estimation in MODFLOW using a Bayesian inverse approach. p. 420-424 in *MODFLOW and More 2008: Ground water and public policy, Proceedings of the 9th International Conference of the International Ground Water Modeling Center*. Golden, CO: Colorado School of Mines.
- Feinstein, D.T., Hunt, R.J., and Reeves, H.W., 2008, Calibrating a big model: Strategies and limitations. p. 430-434 in *MODFLOW and More 2008: Ground water and public policy, Proceedings of the 9th International Conference of the International Ground Water Modeling Center*. Golden, CO: Colorado School of Mines.
- Skalbeck, J.D., Reed, D.M., Hunt, R.J., and Lambert, J.D., in press, Relating groundwater to seasonal wetlands in southeastern Wisconsin, USA. *Hydrogeology Journal*



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APPOINTED TO: Examining Board of Professional Geologists,
Hydrologists and Soil Scientists

Professional Hydrologist

TERM: A term to expire July 1, 2012

SUCCEEDS: Himself

SENATE CONFIRMATION: Yes

DATE OF APPOINTMENT: July 29, 2008

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