

GREAT LAKES RESEARCH

JOURNAL ARTICLES AND PUBLICATIONS

Wet Weather Events (CSO, SSO, storm water and run-off)

Byappanahalli, M., M. Fowler, D. Shively and R. Whitman. 2003. Ubiquity and persistence of *Escherichia coli* in a Midwestern coastal stream. *Appl. Environ. Microbiol.* 69(8): 4549 – 4555.

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McLellan S.L., and E.T. Jensen. 2003. Lake Michigan Beaches: Urban Stormwater and Water Quality Advisories. *Lakeline* 23:27-29.

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Salmore, A.K., E.T. Jensen, and S.L. McLellan. Delineation of a chemical and biological signature for stormwater pollution in urban rivers. *Journal of Water & Health (in press)*

Sampson, R., S. Swiatnicki, C. McDermot and G. Kleinheinz. 2004. The effects of Rainfall on *E. coli* and total coliform levels at 15 Lake Superior Beaches. *Submitted: Water Resource Management*.

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Dry Weather Impacts (algal blooms, wildlife, beach sands, submerged sediments)

Alm, E., J. Burke, and A. Spain. 2003. Fecal indicator bacteria are abundant in wet sand at freshwater beaches. *Water Research* 37(16), 3978-3982.

Bolton, F.J., S. B. Surman, K. Martin, D.R.A. Wareing, and T.J. Humphrey. 1999. Presence of campylobacter and salmonella in sand from bathing beaches. *Epidemiol. Infect.* 122, 7-13.

Byappanahalli, M., D. Shively, M. Nevers, M. Sadowsky and R. Whitman. 2003. Growth and survival of *Escherichia coli* and enterococci populations in the macro-algae *Cladophora* (Chlorophyta). *FEMS Microbiol. Ecology* 1575(2003): 1 – 9.

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Garza EL, and R.L. Whitman. 2004. The nearshore benthic invertebrate community of southern Lake Michigan and its response to beach nourishment *J. Great Lakes Research* 30 (1): 114-122.

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Improving Beach Management

Bolin, C., C. Brown and J. Rose. 2004. Emerging zoonotic diseases and water. IN: *Waterborne Zoonoses, Identification, Causes and Control*, Cotruvo, J.A, Dufour, A., Rees, G. Bartram J., Carr, R., Cliver, D.O., Craun, G.F., Fayer, R. and Gannon, V.P.J. (eds) WHO, USEPA and IWA publishing, London, UK.p.19-26.

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Kleinheinz, G.T., McDermott, C.M., and R.W. Sampson. 2003. Recreational Water: Microbial Contamination and Human Health. In: C. Meine (Ed.), *Wisconsin's waters: A confluence of 16 Perspectives*. Transactions of the Wisconsin Academy of Sciences, 90:75-86.

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Public Communication and Education

Jensen, E.T. and S.L. McLellan. 2004. Beach Closings: Scientific Studies and Public Perception. Submitted for publication to ActionBioscience.org

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PUBLISHED ABSTRACTS

Wet Weather Events (CSO, SSO, storm water and run-off)

Kinzelman, J. 2003. Evaluating the Efficacy of a Storm Sewer Outfall Re-engineered for the Reduction of Bacterial Contamination to Surface Water - State of Lake Michigan (SOLM)/Great Lakes Beach Association (GLBA) joint conference, Muskegon, MI, October, 2003.

McLellan, S.L. 2004. Genetic diversity of *Escherichia coli* isolated from urban rivers and comparison with *E. coli* from host sources of fecal pollution. American Society of Microbiology 104th General Meeting. New Orleans, LA, May 23-27, 2004.

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Dry Weather Impacts (algal blooms, wildlife, beach sands, submerged sediments) Improving Beach Management

Kleinheinz, G. and E. Englebert. 2004. *Cladophora* and the beach: Implications for Public Health. Presentation at *Cladophora* research and management in the Great Lakes meeting held at the UW-Milwaukee WATER Institute, December 8, 2004.

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Improving Beach Management

Becker, G. and J. Kinzelman. Remediation & Best Management Practices, A City of Racine Perspective - 2004 International Association of Great Lakes and St. Lawrence Mayors' Conference, Chicago, IL, July 2004

Brown, A., J. Felt, G. Kleinheinz, and C. McDermot. 2004. Detection of *E.coli* contamination at Door County, WI beaches: Association with environmental factors. ASM North Central Branch Annual Meeting, Nov. 12-13, 2004, Madison, WI.

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Kinzelman, J. 2004. The Effectiveness of Spatial Distribution Studies in the Development of Successful, Cost-Effective, Targeted Remediation Efforts - US EPA National Beaches Conference, San Diego, CA, October, 2004.

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OH: www.odh.state.oh.us/ODHPrograms/BEACH/sample.htm

NY: www.beach.com/stateofthebeach/6-state/state.asp?state=NY
PA: www.great-lakes.net/beachcast/pa
WI: www.dnr.state.wi.us/org/water/wm/wqs/beaches/

Great Lakes Sea Grant

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<http://www.epa.state.oh.us/oleo/>

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<http://oh.water.usgs.gov/beaches/>

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Michigan Beach Monitoring home page
http://www.michigan.gov/deq/0,1607,7-135-3313_3686_3730---,00.html

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US EPA

EPA Great Lakes National Program Office

<http://www.epa.gov/glnpo/>

USEPA Beach WEB Page

<http://www.epa.gov/OST/beaches/>

USEPA BEACH Act

<http://www.epa.gov/waterscience/beaches/act.html>

USEPA Beach Standards, Monitoring, and Notification

<http://www.epa.gov/ost/beaches/>

USEPA Beach home page

<http://www.epa.gov/beaches/>

EPA Great Lakes National Program Office

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U.S. EPA's "Beach Standards, Monitoring, & Notification" website (including links related to the Clean Beaches Plan and the Beaches Environmental Assessment and Coastal Health Act of 2000)

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U.S. EPA's "Wet Weather Discharges" website (including links to websites on the storm water, CSO, and SSO programs)

<http://cfpub.epa.gov/npdes/wetweather.cfm>

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Other Web Sites

Great Lakes Water Institute

<http://www.uwm.edu/Dept/GLWI/ecoli/>

Great Lakes Beach Association

<http://www.great-lakes.net/glba/>

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<http://www.great-lakes.net/>

Great Lakes Beach Association Annual Proceedings 2004

<http://www.great-lakes.net/glba/2004conference.html>

Beaches in the Great Lakes Region

<http://www.great-lakes.net/tourism/rec/beach.html#new>

Center for Disease Control; Healthy Swimming

http://www.cdc.gov/healthyswimming/beaches_rivers.htm

<http://www.cdc.gov/healthyswimming/>

Great Lakes BeachCast---many links from this site

http://www.great-lakes.net/beachcast/nr_moreinfo.html

Great Lakes Research Consortium (Dr. Jack Manno)

<http://www.esf.edu/glrc/>

Great Lakes Research Consortium publications

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Great Lakes Fishery Commission

<http://www.glfc.org/>

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<http://www.glerl.noaa.gov/>

NOAA Great Lakes Environmental Research Laboratory (GLERL)

Center of Excellence for Great Lakes and Human Health

<http://www.glerl.noaa.gov/res/Centers/HumanHealth/>

USGS Great Lakes Science Center

<http://www.glsc.usgs.gov/>

Great Lakes Commission

<http://www.glc.org/>

International Joint Commission

<http://www.ijc.org/>

International Joint Commission Research Inventory (queriable)

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Duluth Streams

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University Centers

[Great Lakes at Buffalo State College](#)

[Great Lakes Environmental Education at Buffalo State College](#)

[The Great Lakes Program at the University at Buffalo](#)

[Great Lakes Aquatic Ecosystem Research Consortium, Ohio State University](#)

[Institute of the Environment, University of Ottawa](#)

[Environmental Modeling Centre, Trent University](#)

[Great Lakes WATER Institute](#)