

**St. Paul Water Utility Taste & Odor Control Program  
Vadnais Lake Chain Diagnostic Study  
Project Reports & Related Publications**

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<http://www.shore.net/~wwwalker>

"Significance of Eutrophication in Water Supply Reservoirs", Journal of the American Water Works Association, Vol. 75, No. 1, pp. 38-42, January 1983.

"Potential Water Quality Impacts of the North Oaks Development", prepared for Board of Water Commissioners, City of St. Paul, Minnesota, November 1983.

"Watershed Monitoring Data from the Twin Cities Area", prepared for Board of Water Commissioners, City of Saint Paul, Minnesota, February 1984.

"Lake Monitoring Data from the Twin Cities Area", prepared for Board of Water Commissioners, City of St. Paul, Minnesota, February 1984.

"Sampling Program Design for the SPWU Taste and Odor Study", prepared for Board of Water Commissioners, City of Saint Paul, Minnesota, March 1984.

"Historical Water Balances for the St Paul Water Supply", prepared for St. Paul Water Utility, Minnesota, August 1984.

"The St. Paul Water Utility Vadnais Chain of Lakes Study", Graduate Limnology Seminar, University of Minnesota, St. Paul, February 1985.

"Monitoring and Experimental Program Designs - SPWU Taste and Odor Study - 1985", prepared for Board of Water Commissioners, City of St. Paul, Minnesota, February 1985.

"Urban Nonpoint Source Impacts on a Surface Water Supply", published in "Perspectives on Nonpoint Source Pollution", Proceedings of a National Conference, Kansas City, Mo., U.S. Environmental Protection Agency, EPA-440/5-85-001, May 1985.

"Analysis of 1984 Monitoring Data from the Vadnais Lakes Diagnostic Study", prepared for Board of Water Commissioners, St. Paul, Minnesota, June 1985.

"Specifications for Vadnais Lake Hypolimnetic Aeration System", prepared for Board of Water Commissioners, City of St. Paul, Minnesota, September 1985.

"Comments on 'Where the Creek Bends' Development, Vadnais Heights, Minnesota", prepared for Board of Water Commissioners, City of St. Paul, September 1985.

"Phosphorus Removal by Urban Runoff Detention Basins in Minnesota - Preliminary Design Recommendations", prepared for Board of Water Commissioners, City of St. Paul, Minnesota, September 1985.

"More Comments on Detention Pond Designs for the North Oaks, Rolling Oaks, and South Oaks Developments", prepared for Board of Water Commissioners, City of St. Paul, Minnesota, February 1986.

"Monitoring and Experimental Program Designs - SPWU Taste and Odor Study - 1986", prepared for Board of Water Commissioners, City of St. Paul, Minnesota, March 1986.

"Phosphorus Inactivation by Iron in the SPWU Supply System", prepared for Board of Water Commissioners, City of St. Paul, Minnesota, April 1986.

"Analysis of 1985 Monitoring Data from the Vadnais Lakes Diagnostic Study", prepared for Board of Water Commissioners, City of St. Paul, Minnesota, August 1986.

"Phosphorus Removal by Urban Runoff Detention Basins", Lake and Reservoir Management, Volume 3, North American Lake Management Society, pp. 314-238, 1987.

"Monitoring Program Design for SPWU Taste and Odor Study - 1987", prepared for St. Paul Water Utility, Minnesota, March 1987.

"Design Calculations for Wet Detention Basins", prepared for St. Paul Water Utility, Minnesota, March 1987.

"Analysis of 1986 Monitoring Data from the Vadnais Lakes Diagnostic Study", prepared for Board of Water Commissioners, City of St. Paul, Minnesota, August 1987.

"Design and Performance of Stormwater Detention Ponds for Water Quality Control", Workshop Presented at 20th Annual Water Resources Conference, Minnesota Section, ASCE, and University of Minnesota, St. Paul, November 1987.

"Developing Phosphorus Criteria for Minnesota Lakes", Lake and Reservoir Management, Volume 4, No. 1, pp. 1-10, July 1988 (with S. Heiskary).

"Measurement of Water Flow and Oxygen Transfer in Hypolimnetic Aerators", prepared for Board of Water Commissioners, City of St. Paul, Minnesota, August 1988.

"Analysis of 1987 Monitoring Data from the Vadnais Lakes Diagnostic Study", prepared for Board of Water Commissioners, City of St. Paul, Minnesota, December 1988.

"Development of Lake Assessment Methods Based upon the Aquatic Ecoregion Concept", presented at Annual Symposium, North American Lake Management Society, St. Louis, Nov. 15-18, Lake and Reservoir Management, Vol. 5, No. 2, pp. 11-22, 1989 (with B. Wilson).

"POND Siz.WK1 - Design Calculations for Wet Detention Ponds", Software Package Number 4, North American Lake Management Society, 1989.

"PONDNET.WK1 - Flow and Phosphorus Routing in Pond Networks", Software Package Number 5, North American Lake Management Society, 1989.

"Nutrient-Based Control Strategies for Taste-and-Odor", presented at Annual Conference, American Water Works Association, Los Angeles, California, June 18, 1989, published in

"Practical Lake Management for Water Quality Control", AWWA Conference Proceedings, 1989 (with C. Westerberg, D. Schuler, J. Bode).

"Design and Evaluation of Eutrophication Controls for the St. Paul Water Supply", presented at Annual Symposium, North American Lake Management Society, St. Louis, Nov. 15-18, 1988, Lake and Reservoir Management, Vol. 5, No. 1, pp. 71-84, July 1989 (with C. Westerberg, D. Schuler, J. Bode).

"Analysis of 1988 and 1989 Monitoring Data from the Vadnais Lakes Diagnostic Study", prepared for Board of Water Commissioners, City of St. Paul, Minnesota, September 1990.

"Phosphorus Export from Lambert Creek, Minnesota", prepared for Vadnais Lake Area Water Management Organization, Minnesota, January 1992.

Analysis of 1990-1992 Monitoring Data from the Vadnais Lakes Diagnostic Study, prepared for Board of Water Commissioners, St. Paul, Minnesota, December 1992.

"Evaluation of Water Quality Controls in St. Paul Water Utility Watersheds, Analysis of 1984-1999 Monitoring Data, prepared for Board of Water Commissioners", St. Paul, Minnesota, May 2000.