

TEXAS STATE VITA

I. Academic/Professional Background

A. Name: RAST, Walter Title: Professor

B. Educational Background

Degree	Year	University	Major	Thesis/Dissertation
Ph.D.	1978	University of Texas at Dallas	Environmental Science	A Study of Nutrient Load - Eutrophication Response Relationships and Trophic State Indices in Natural Waters
M.S.	1976	University of Texas at Dallas	Environmental Science	None required
M.S.	1974	University of Texas at Dallas	Molecular Biology	Role of Macromolecular Synthesis in the Timing of Heat-Delayed Mitosis in <i>Physarum polycephalum</i>
B.A.	1969	University of Texas at Austin	Zoology	None required

C. University Experience

Position	University	Dates
Professor, Department of Biology; Professor of International Studies; Director, International Center for Watershed Studies/River Systems Institute	Texas State University - San Marcos	September 2006 - present
Associate Professor	Texas State University - San Marcos	June 2001 - August 2006
Visiting Lecturer	University of Nairobi (Kenya)	January 1993 - August 1999
Instructor	Austin Community College (Texas)	September 1986 - December 1992
Adjunct Faculty	Wayne State University (Michigan)	January 1978 - August 1979

D. Relevant Professional Experience

Position	Entity	Dates
University Professor & Director	(see above)	(see above)
Environmental Scientist & Secretary, Great Lakes Water Quality Board	Great Lakes Regional Office, International Joint Commission, Windsor, Ontario Canada	June 2000- May 2001
Chief/Technical Cooperation Unit; Deputy Director/Water Branch and Chief/Freshwater Unit	United Nations Environment Programme (UNEP), Nairobi, Kenya	January 1993- December 1999
Research Hydrologist (Sacramento, CA and Austin, TX)	Water Resources Division, U.S. Geological Survey	1983-1992
Senior Environmental Adviser	U.S. Headquarters, International Joint Commission, Washington, D.C.	September 1979- May 1983

Limnologist & Secretary, Pollution from Land Use Activities Reference Group	Great Lakes Regional Office, International Joint Commission, Windsor, Ontario Canada	September 1977- August 1979
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II. TEACHING

A. Teaching Honors and Awards:

Faculty Member of the Year, Catholic Student Center (Texas State University - San Marcos), 2004-2005

B. Courses Taught:

BIO 3308 (Global Ecology); BIO 5319 (Special Topics); BIO 5399 (Thesis); BIO 7102 (Seminar in Aquatic Resources); BIO 7114, 7214 & 7314 (Collaborative Research Experience); BIO 7302 (Research); BIO 7303 (Problems); BIO 7310 (Global Aquatic Resources); BIO 7312 (Government Policy & Aquatic Resources); BIO 7360 (Special Topics in Aquatic Resources); BIO 7366 (Integrated Water Resources Management); BIO 7399 & 7699 (Dissertation)

C. Graduate Theses/Dissertations or Exit Committees (if supervisor, please indicate):

DISSERTATION SUPERVISING PROFESSOR:

- ALEXANDER, Kathy, 2003-present (Aquatic Resources): Institutional Effectiveness in Water Allocations in the International Rio Grande Basin;
- ARMITANO, Emily, 2004-present (Aquatic Resources-part time): Dynamics of Water Allocation Options for San Antonio Water System, and Lower Colorado River Authority Water Transfer Project;
- CHANDLER, Brad, 2003-present (Aquatic Resources-part time): Impacts of Interbasin Water Transfers on Water Quality and Biological Integrity in Texas Watercourses;
- MIX, Ken, 2003-present (Aquatic Resources): Agricultural Practices and Climatic Relations in Rio Grande Headwater Region, San Luis Valley, Colorado;
- MOLTZ, Heidi, 2006-present (Aquatic Resources): An Integrated Assessment of Nonpoint-Source Pollution in Large Basins;
- ROBERTS, Susan, 2003-present (Aquatic Resources): Conjunctive Management of Surface and Groundwater in the Rio Grande Basin

DISSERTATION COMMITTEE MEMBER:

- GOTTSCHALK, Brian, 2005-present (Geography): Experimental Study of Sediment Deposition and Erosion Rates in Stream Channels with Emergent Vegetation;
- KEEN-ZEBERT, Amanda (Geography - Graduated in 2007): Spatial and Temporal Variation of Sediment Transport Capacity and Channel Reach Type in Guadalupe River in Central Texas;
- SINGH, Mamta, 2003-present (Science Education/Aquatic Resources): Integration of Mathematics and Science in Aquatic Resources Education;
- WALLACE, Mary Ann, 2003-present (Aquatic Resources-part time): Algal-Zooplankton Dynamics and Energy Flows in a Sub-Tropical Reservoir: Lake Travis, Texas;
- WINTERS, Jenna, 2008-present (Aquatic Resources): Effects of Recreational Activities on San Marcos River, Texas.
- YU, Guangyu (Geography; Graduated in 2008): Regional Climate Change and Its Impacts on Water Resources in Texas

THESIS SUPERVISING PROFESSOR:

- BLOUNT, Meredith, 2007- present (Aquatic Resources): Analysis of Effectiveness of Water Conservation Programs in Central Texas;

THESIS COMMITTEE MEMBER:

- LITTRELL, Brad (Aquatic Biology - Graduated in 2006): Comparison of Life History Attributes Between a Potential Native Invader and a Regionally Endemic Cyprinid in a Central Texas Stream;
- MARTIN, Joe (Aquatic Biology - Graduated in 2004): Influence of Abiotic Factors on the Growth of a White Bass Population in a Subtropical Texas Reservoir;
- WOODWARD, Danny (Aquatic Biology - Graduated in 2008) - Physical, chemical and biological dynamics within the plunge point region of a small, stratified reservoir

D. Courses Prepared and Curriculum Development:

BIO 3308 (Global Ecology); BIO 7310 (Global Aquatic Resources); BIO 7312 (Government Policy and Aquatic Resources); BIO 7360 (Special Topics: Rio Grande); BIO 7366 (Integrated Water Resources Management)

E. Funded External Teaching Grants and Contracts:

Short Courses: "Assessment and Control of Eutrophication of Lakes and Reservoirs." Presented under the auspices of UNESCO's Programme on Man and the Biosphere (MAB; Paris) and its relevant national MAB committees, the course is based on Volume I, MAB book series (Ryding, S.-O and W. Rast. 1989. The Control of Eutrophication of Lakes and Reservoirs. Parthenon Press, MAB, UNESCO, Paris. 311 p.). Class participants comprise scientists, engineers, water-quality managers and policymakers from throughout the region in which the course was given. Previous courses were given in Tianjin, China (May, 1990), Bogor, Indonesia (November, 1991), Corrientes, Argentina (November, 1992), and Nairobi, Kenya (1995). Upon revision of the course text, future courses are anticipated for western Africa, Eastern Europe and Southeast Asia.

F. Submitted, but not Funded, External Teaching Grants and Contracts:

- (1) Biology, Geography, Mathematics joint IBERT proposal (2004);

G. Funded Internal Teaching Grants and Contracts:

None

H. Submitted, but not Funded, Internal Teaching Grants and Contracts:

None

I. Other:

None

III. SCHOLARLY/CREATIVE

A. Works in Print

1. Books (if not refereed, please indicate)

a. Scholarly Monographs:

- Jørgensen, S.E., H. Löffler, W. Rast and M. Straškraba. 2005. Lake and Reservoir Management. Developments in Water Science No. 54, Elsevier Publishers, Amsterdam. 502 p.

b. Textbooks:

- Thornton, J.A., W. Rast, M.M. Holland, G. Jolankai and S.-O. Ryding. 1999. Assessment and Control of Nonpoint Source Pollution of Aquatic Ecosystems. Parthenon Press, Man and the Biosphere Series (MAB), vol. 23, UNESCO, Paris. 455 p.
- Ryding, S.-O and W. Rast. 1989. The Control of Eutrophication of Lakes and Reservoirs. Parthenon Press, Man and the Biosphere Series (MAB), vol. 1, UNESCO, Paris. 311 p.

c. Edited Books:

- Rast, W. 2007. World Lake Vision Action Report - Implementing the World Lake Vision for the Sustainable Use of Lakes and Reservoirs International Lake Environment Committee, Kusatsu, Shiga Prefecture, Japan. 393 p.
- Rast, W. 2003. World Lake Vision – A Call to Action. International Lake Environment Committee, Kusatsu, Shiga Prefecture, Japan. 37 p.
- Loehr, R.C., C. Martin and W. Rast (eds.), Phosphorus Management Strategies for Lakes, Interscience, Ann Arbor, Michigan. p. 207-234.

d. Chapters in Books:

- R. Connor and W. Rast. 2009. Technological Innovation. Chapter 3, World Water Development Report 3, World Water Assessment Programme, UN-Water, UNESCO. p. 29-46.
- De Gooijer, G., W. Rast and Tropp, H. 2009. Response Options in the Water Domain. Chapter 14, World Water Development Report, World Water Assessment Programme, UN-Water, UNESCO.
- Björklund, G., R. Connor, W. Cosgrove, P. Moriarity, W. Rast, L. Salamé and J Winpenny. 2009. Policies, Laws and Finance. Chapter 5, World Water Development Report 3, World Water Assessment Programme, UN-Water, UNESCO. p. 47-65.
- Björklund, G., R. Connor, A. Goujon, M. Hellmuth, P. Moriarity, W. Rast, K. Warner and J. Winpenny. 2009. Demographic, Economic and Social Drivers. Chapter 2, World Water Development Report 3, World Water Assessment Programme, UN-Water, UNESCO. p. 27-38.
- Rast, W. (lead author). 2007. Water. Chapter 4, Global Environment Outlook – 4 (GEO-4), United Nations Environment Programme (UNEP), Nairobi, Kenya. p. 115-156.
- Rast, W. 2005. Development of water quality management strategy. In: Jørgensen, S.E., H. Löffler, W. Rast and M. Straškraba. 2004. Lake and Reservoir Management, Developments in Water Science No. 54, Chapter 8, Elsevier Publishers, Amsterdam. pp. 393-420.

- Rast, W., M. Straškraba and H. Löffler. 2005. Lakes and reservoirs as water resources. In: Jørgensen, S.E., H. Löffler, W. Rast and M. Straškraba. 2004. Lake and Reservoir Management, Developments in Water Science No. 54, Chapter 1, Elsevier Publishers, Amsterdam. pp. 1-41.
- Löffler, H., S.E. Jørgensen, H.A.M. Ketelaars, M. Straškraba, W. Rast and L.W.A.C. Van Breemen. 2005. Lake and reservoir case studies. In: Jørgensen, S.E., H. Löffler, W. Rast and M. Straškraba, Lake and Reservoir Management, Developments in Water Science No. 54, Chapter 9, Elsevier Publishers, Amsterdam. pp. 429-440.
- Rast, W. and J.A. Thornton. 2005. The phosphorus loading concept and OECD Eutrophication Programme: Origin, application and capabilities. In: O'Sullivan, P.E. and C.S.Reynolds (eds.), Lakes Handbook - Lake Restoration and Rehabilitation, Blackwell Science Publications, Vol. 2. pp. 354-385.
- Rast, W. 2004. Freshwater: Meeting our goals, sustaining our future. Global Environment Outlook Yearbook 2003, Feature focus, United Nations Environment Programme, Nairobi, Kenya. pp. 36-52.
- Rast, W. 2003. Sustainable freshwater resources: The promise and the reality: In: Holland, M.M., E. Blood and L.R. Shaffer (eds.), Sustainability of Wetlands and Water Resources, Chpt. 1, Island Press, Covelo, California USA. p. 11-39.
- Rast, W. and M.M. Holland. 2003. Sustainable freshwater resources: The reality of secure systems. In: Holland, M.M., E. Blood and L.R. Shaffer (eds.), Sustainability of Wetlands and Water Resources, Chpt. 13, Island Press, Covelo, California USA. p. 283-315.
- Rast W. and J.A. Thornton. 1999. Reservoirs: Environmental process, management and policy. In: B.H. Kay (ed.), Water Resources: Health, Environment and Development, E & FN Spon, Routledge Publishers, United Kingdom. pp. 1-12.
- Smith, D. and W. Rast. 1998. Environmentally-sustainable management and use of internationally-shared freshwater resources. In: R.J. Reimold, Watershed Management, McGraw-Hill, New York. p.277-298.
- Thornton, J.A. and W. Rast. 1997. The use of copper and copper compounds as algicides. In: Richardson, H.W., Copper Compounds Applications Handbook, Marcel Dekker, Inc., New York. p. 123-142.
- Rast, W. and J.A. Thornton. 1996. Trends in eutrophication research and control. Hydrological Processes 10:295-313.
- Thornton, J.A., W. Rast and W. Steele. 1996. Reservoirs. In: D. Chapman, Water Quality Assessments, E & FN Spon, Routledge Publishers, United Kingdom. p. 369-412.
- Thornton, J.A. and W. Rast. 1993. A test of hypotheses relating to the comparative limnology and assessment of eutrophication in semi-arid, man-made lakes. In: Straskraba, M., J. Tundisi and A. Duncan (eds.), Comparative Reservoir Limnology and Water Quality Management, Developments in Hydrobiology, vol. 77, Kluwer, Dordrecht. pp. 1-24.
- Vollenweider, R.A., W. Rast and J.J. Kerekes. 1980. The phosphorus loading concept and Great Lakes eutrophication. In: Loehr, R.C., C. Martin and W. Rast (eds.), Phosphorus Management Strategies for Lakes, Interscience, Ann Arbor, Michigan. p. 207-234.
- Lee, G.F., R.A. Jones and W. Rast. 1980. Availability of phosphorus to phytoplankton and its implications for phosphorus management strategies. In: Loehr, R.C., C. Martin and W. Rast (eds.), Phosphorus Management Strategies for Lakes, Interscience, Ann Arbor, Michigan. p. 259-308.

e. Creative Books:

- Fry, A. and W. Rast. 1996. Industry, freshwater and sustainable development. World Business Council for Sustainable Development, Geneva, and UNEP, Nairobi, Kenya. 82 p.

2. Articles

a. Refereed Journal Articles:

- Mix, K., W. Rast and V. Lopes. 2009. Increases in Growing Degree Days in the Alpine Desert of the San Luis Valley, Colorado. Submitted to Jour. Water, Air and Soil Pollution.
- Moltz, H., W. Rast, V. Lopes and S. Ventura. 2009. Use of Geographic Information Systems for Assessing Nonpoint-source Pollution Potential in the Rio Grande Basin. Submitted to Jour. Environ. Monitoring and Assessment.
- Moltz, H., W. Rast, V. Lopes and S. Ventura. 2009. A Hydrologic-economic Analysis of Best Management Practices for Sediment Control in the Rio Grande Basin. Submitted to Jour. Hydrologic Engineering;
- Mix, K., V. Lopes and W. Rast. 2009. Annual and growing season climate changes in the alpine desert of the San Luis Valley, Colorado. Submitted to Jour. Applied Meteorology and Climatology.
- Moltz, H., C.L. Smith, V. Lopes and W. Rast. 2009. Coupling Hydrologic Modeling and Social Assessments for Non-point Source Pollution Prevention: Santa Fe Watershed, New Mexico. Submitted to Social and Natural Resources.
- Jorgensen, S.E. and W. Rast. 2007. The use of models for synthesizing knowledge for integrated lake basin management, and facilitating implementation of the World Lake Vision. Lakes and Reservoirs: Research and Management 12(1):3-14
- Thornton, J.A., T.M. Slawski, S.W. Teske, W. Rast and M.R. Cascio. 2007. The World Lake Vision and Ecohydrology: A Case Study from Wisconsin USA. Ecohydrology and Hydrobiology 7(2): 113-127.
- Thornton, J.A. and W. Rast. 2006. Implementing the World Lake Vision in Wisconsin (and the world). Lakeline, North American Lake Management Society 26(3):17-20.
- Rast, W. 1999. Overview of the status of implementation of the freshwater objectives of Agenda 21 on a regional basis. Sustainable Develop. International Jour. 1:53-56.
- Fry, A. and W. Rast. 1998. Tapping industrial ingenuity. Our Planet 9:4-6.
- Vanderbeck, I. and W. Rast. 1997. Monitoring freshwater quality. Water Management International 1998. p. 6-9.
- Illueca, J.I. and W. Rast. 1996. Precious, infinite and irreplaceable. Our Planet 8:19-21.
- Vidal, O. and W. Rast. 1996. Land and sea. Our Planet 8:22-24.
- Thornton, J.A. and W. Rast. 1994. Not American lake management! LakeLine, North American Lake Management Society, Alachua, Florida. pp. 11-14.
- Thornton, J.A., W. Rast and S.-O. Ryding. 1992. Lake management in southern Africa: Appropriate methodologies for assessing and controlling eutrophication in the Third World. Lake and Reservoir Management.
- Thornton, J.A., W. Rast and S.-O. Ryding. 1991. The role of socioeconomic determinants in lake management in developing countries. Lake & Reservoir Management 7:115-120.
- Holland, M.M., W. Rast and S.-O. Ryding. 1990. Water quality management. Nature & Resources 26:3-13.
- Thornton, J.A. and W. Rast. 1989. Preliminary observations on nutrient enrichment of semi-arid, man-made lakes in the northern and southern hemisphere. Lake & Reservoir

Management 5:59-66.

- Rast, W. and M.M. Holland. 1988. Eutrophication of lakes and reservoirs: A framework for making management decisions. *Ambio* 17:2-12.
- Rast, W. and G.F. Lee. 1983. Evaluation of nutrient loading estimates for lakes. *Jour. Amer. Society Civil Engr., Environ. Engr. Div.* 109:502-517.
- Rast, W., G.F. Lee and R.A. Jones. 1983. Predictive capability of U.S. OECD phosphorus loading - lake response models. *Jour. Water Pollut. Cont. Fed.* 55:990-1003.
- Gregor, D.J. and W. Rast. 1982. Simple trophic state classification of the Canadian nearshore waters of the Great Lakes. *Water Resour. Bull.* 18:565-573.
- Jones, R.A., W. Rast and G.F. Lee. 1979. Relationship between summer mean and maximum chlorophyll-a concentrations in lakes. *Environ. Sci. & Technol.* 13:869-70.
- Lee, G.F., W. Rast and R.A. Jones. 1978. Eutrophication of waterbodies: Insights into an age-old problem. *Environ. Sci. & Technol.*, 12:900-908. (also in Spanish in *Ingenieria Sanitario* 32/33:298-306).
- Nambu, S., S. Kunikan, G.F. Lee, W. Rast and R.A. Jones. 1978. Recent advances in assessing aquatic plant nutrient load - eutrophication responses for lakes. *Japanese Jour. Water Pollut. Res.* 1:157-167 (In Japanese).

b. Non-refereed Articles:

- Rast, W. and S. Matsui. 2004. Introduction to “Spaceship Earth.” *Lakes & Reservoirs: Research and Management*, 9:105-108.
- Thornton, R.A. and W. Rast. 2004. Living the World Lake Vision: Southern African limnology and its global influences. Editorial, *African Journal of Aquatic Science* 29:125-127.
- Moore, J.G., W. Rast and W.M. Pulich. 2002. Proposal for an integrated management plan for the Rio Grande/Rio Bravo. In: Aldama, A., F.J. Aparicio and R. Equihua (eds.), *First International Symposium on Transboundary Waters Management, Avances en Hidraulica 10, XVII Mexican Hydraulics Congress, Monterrey, Mexico, Nov. 18-22, 2002.* p. 189-204.
- Rast, W. 1999. Water: More precious than diamonds. *Gender Review* 6:7-8.
- Diop, E.S., W. Rast, T. Nakamura, A.A. Tandia and Y. Dieng. 1999. Impact of spontaneous peri-urban development on groundwater quality: An example of Yeumbeul, Senegal. *Clearwaters, New York Water Environment Association.* p. 54-57.
- Thornton, J.A. and W. Rast. 1995. The management of international river basins. In: D.M.L. da Motta Marques (ed.), *Brazilian Jour. Hydrology (ABRH), Publ. No. 2, I Seminario de Qualidade de Aquas Continentas no MERCOSUL, Porte Alegre, Brazil, 7-9 Dec. 1994.* p. 75-102.
- Lee, G.F., A. Jones-Lee and W. Rast. 1995. Secchi depth as a water quality parameter. Technical Report, G. Fred Lee & Associates, El Macero, California USA. 20 p.
- Thornton, J.A. and W. Rast. 1987. Application of eutrophication modelling technique to manmade lakes in semi-arid southern Africa. In: Nix, S.J. and P.E. Black, *Monitoring, modeling and mediating water quality. American Water Works Assoc., Bethesda, Maryland.* p. 547-558.
- Rast, W. 1981. OECD North American Project: The United States study. In: *Restoration of Lakes and Inland Waters, Report No. EPA-440/5-81-010, U.S. Environmental Protection Agency, Office of Water Regs. and Standards, Washington, D.C.* p. 17-19.
- Rast, W. 1981. Quantification of the input of pollutants from land use activities in the Great Lakes Basin. *Workshop Proc., Programme on Man and the Biosphere (UNESCO), Amsterdam, The Netherlands.* p. 98-141.

- Gregor, D.J. and W. Rast. 1981. Benefits and problems of eutrophication control. In: Restoration of Lakes and Inland Waters, Report No. 440/5/81-010, U.S. Environmental Protection Agency, Office of Water Regs. and Standards, Washington, D.C. p. 166-171.
- Rast, W., G.F. Lee and R.A. Jones. 1979. Use of OECD eutrophication modeling approach for assessing Great Lakes water quality. In: Lee, G.F. and R.A. Jones, Water Quality characteristics of the U.S. Waters of Lake Ontario during the IFYGL and Modeling Contaminant Load-Water Response Relationships in the nearshore waters of the Great Lakes, Technical Report, NOAA, Great Lakes Environmental Research Laboratory, Ann Arbor, Michigan. Chapter 6.
- Rast, W. and G.F. Lee. 1978. Summary analysis of the North American (U.S. portion) OECD Eutrophication Project: Nutrient loading--lake response relationships and trophic state indices. Ecological Research Series, No. EPA-600/3-78-008, U.S. Environmental Protection Agency, Corvallis, Oregon. 454 p.
- Rast, W. and G.F. Lee. 1977. Report on the nutrient loading - eutrophication response of Lake Wingra, Wisconsin. In: Seyb, L. and K. Randolph (eds.), North American Project - A Study of U.S. Waterbodies, Ecological Research Series, No. EPA-600/3-77-086, U.S. Environmental Protection Agency, Corvallis, Oregon. p. 337-372.
- Piwoni, M.D., W. Rast and G.F. Lee. 1977. The nutrient loading - eutrophication response of the open waters of Lake Michigan. In: Seyb, L. and K. Randolph (eds.), North American Project - A Study of U.S. Waterbodies, Ecological Research Series, No. EPA-600/3-77-086, U.S. Environmental Protection Agency, Corvallis, Oregon. p. 481-498.
- Meckel, E., M. Abdul-Rahman, G.F. Lee, M. Gary, W. Cale, W. Rast and D. Cargo. 1977. A study of eutrophication: Lake Ray Hubbard, Dallas, Texas. Occasional Paper No. 15, Center for Environmental Studies, Univ. of Texas at Dallas. 388 p.

3. Abstracts:

- Thornton, J.A. and W. Rast. 1990. Comparative limnology of north and south sub-tropical, man-made lakes and implications for eutrophication assessment (abstract). Arch. Hydrobiol. Beih. Ergebn. Limnol. 33:649.

4. Reports:

- Rast, W. 2006. Assessment of 5b/5c category water quality impairments in TCEQ 2004 CWA 303b list. Technical Report prepared for Texas Commission on Environmental Quality (TCEQ), Austin, Texas. 8 p + appendices.
- Trudel, M., E. Wysokinska, W. Williams and W. Rast. 2002. Lakes and Reservoirs: How to involve the public in protecting them from degradation. Environmental Library Series, Vol. 4, International Lake Environment Committee (ILEC), Otsu, Shiga, Japan. 27 p.
- Rast, W. and A. Calcagno. 2001. The watershed: Water from the mountains into the sea. Environmental Library Series, Vol. 2, International Lake Environment Committee (ILEC), Otsu, Shiga, Japan. 36 p.
- Rast, W. and M. Straskraba. 2000. Lakes and reservoirs: Similarities, differences, importance. Environmental Library Series, Vol. 1, International Lake Environment Committee (ILEC), Otsu, Shiga, Japan. 24 p.
- Rains, T.H. and W. Rast. 1999. Characterization and simulation of the quantity and quality of water in the Highland Lakes, Texas, 1983-1992. Water Resources Investigations Rept. 99-4087, Water Resources Division, U.S. Geological Survey, Austin, Texas. 46 p.

- Liscum, F., R.L. Goss and W. Rast. 1999. Characteristics of water quality data for Lake Houston, selected tributary inflows to Lake Houston and the Trinity River near Lake Houston (a potential source of interbasin transfer), August 1983-September 1990. Water Resources Investigations Rept. 99-4129, Water Resources Div., U.S. Geological Survey, Austin, Texas. 56 p.
- Rast, W. and R. M. Slade. 1997. Evaluation of water-quality data and monitoring program for Lake Travis, near Austin, Texas. Water Resources Investigations Rept. 97-4257, Water Resources Division, U.S. Geological Survey, Austin, Texas. 33 p.
- Lee, R.W. and W. Rast. 1997. Light attenuation in a shallow, turbid reservoir, Lake Houston, Texas. Water Resources Investigations Rept. 97-4064, Water Resources Division, U.S. Geological Survey, Austin, Texas. 33 p.
- Rast, W. 1991. Documentation of a data base on lake and reservoir water quality in the United States. Report 91-230, U.S. Geological Survey, Austin, Texas. 76 p.
- Rast, W. and J. Sutton. 1989. Stable isotope analysis of striped bass food chain in Sacramento-San Joaquin Estuary, California, April-September, 1986. Water Resources Investigations Rept. 88-4164, U.S. Geological Survey, Sacramento, California. 62 p.
- Rast, W. 1987. Limnology of Flathead Lake, Montana. Final Report, Limnology Task Force, Flathead River International Study Board, US/Canada International Joint Commission, Washington, D.C. 75 p.
- Rast, W. 1984. Summary report of the Nutrient/Chemistry Work Group, Interagency Phytoplankton Task Force. Final Report, Interagency Ecological Study Program for the Sacramento-San Joaquin Estuary. 76 p.
- Rast, W. 1983. Practical lake management for eutrophication control. Technical Report, UNESCO/IIASA/OECD International Workshop on the Control of Eutrophication, Laxenburg, Austria, Oct. 12-15, 1981. 175 p.
- Rast, W. 1981. Quantification of the input of pollutants from land use activities in the Great Lakes Basin. Workshop Proc., Programme on Man and the Biosphere (UNESCO), Amsterdam, The Netherlands. p. 98-141.
- Rast, W. and D.J. Gregor. 1979. Report on differences in Great Lakes phosphorus load estimates. Tech. Report, Pollution From Land Use Activities Reference Group, Int'l Joint Commission, Great Lakes Regional Office, Windsor, Ontario (Canada). 27 p
- Gregor, D.J. and W. Rast. 1979. Characterization of trophic conditions in the nearshore zone of the Great Lakes. Technical Report, Pollution From Land Use Activities Reference Group (PLUARG), International Joint Commission, Great Lakes Regional Office, Windsor, Ontario, Canada. 39 p.

5. Book Reviews:

- Rast, W. 2004. Review of: Freshwater Management: Global Versus Local Perspectives (Kumagai, M. and W.F.Vincent (eds.), Springer, Tokyo. 233 p.). International Association of Theoretical and Applied Limnology, SIL News, Vol. 45, June, 2005. p. 8.

6. Other:

Author of all or principal sections of the following reports of the International Joint Commission to the Governments of the United States and Canada:

- Review of Progress Made Under Annex 3 (Controlling Phosphorus) of the Great Lakes Water Quality Agreement. 2002. 15 p.

- Alien Invasive Species and Biological Pollution of the Great Lakes Basin Ecosystem. May 2001. 29 p.
- First biennial report under 1978 Great Lakes Water Quality Agreement. June 1982. 31 p.
- Supplemental report under the Reference on Pollution in the Great Lakes System from Land Use Activities on phosphorus management strategies. January 1981. 24 p.
- Water quality in the U.S./Canada Poplar River Basin. January 1981. 268 p.
- Pollution in the Great Lakes Basin from land use activities. March 1980. 141 p.
- Seventh annual report on Great Lakes water quality. October 1980. 101 p.

B. Works not in Print

1. Papers Presented at Professional Meetings:

(See Item (2) below)

2. Invited Talks, Lectures, Presentations:

- INVITED SPEAKER/PARTICIPANT (listed in chronological order, by date)

<u>TOPIC</u>	<u>LOCATION/DATE</u>
• <u>Mathematical modeling and water quality management</u>	<u>Office of Technology Assessment, U.S. Congress, Washington, D.C. (1979)</u>
• <u>North American OECD Eutrophication Report</u>	<u>OECD/EPA Int'l Symposium for Inland Waters Eutrophication Project and Lake Restoration, Portland, Maine (1980)</u>
• <u>Int'l Cooperative Programme on Monitoring of Inland Waters</u>	<u>Organization for Economic Cooperation and Development (OECD), Paris (1980)</u>
• <u>Phosphorus-chlorophyll relationships in natural waters</u>	<u>U.S. Environmental Protection Agency Seattle, Washington (1980)</u>
• <u>Impacts of nonpoint sources on water quality: Field measurements and the use of models</u>	<u>UNESCO Man and Biosphere Programme, Amsterdam, The Netherlands (1981)</u>
• <u>Nonpoint sources of aquatic pollutants</u>	<u>International Society of Applied and Theoretical Limnology (SIL), 22nd Congress, Lyon, France (1982)</u>
• <u>Chemical and physical characteristics of Sacramento-Sam Joaquin Estuary</u>	<u>Sacramento-San Joaquin Interagency Ecology Study Program, Maritime Academy, Vallejo, California (1984)</u>
• <u>Control of lake and reservoir eutrophication</u>	<u>Plenary Session, 1st International Conference on Reservoir Limnology, Ceske Budejovice, Czechoslovakia (1987)</u>
• <u>Lake and reservoir water quality</u>	<u>Regional Workshop, North American Lake Management Society, Austin, Texas (1987)</u>
• <u>Nonpoint-source pollution of aquatic ecosystems</u>	<u>International Symposium on Management of Nonpoint Sources, Austin, Texas (1989)</u>
• <u>Reservoir limnology and water quality</u>	<u>Special Session, North American Lake Management Society, Denver, Colorado (1991)</u>

- Socioeconomic issues in the management and conservation of lakes Plenary Session, 5th International Congress, International Lake Environment Committee, Stresa, Italy (1993).
- Integrated water monitoring and assessment WMO Workshop on Water Quality Assessment, Stockholm, Sweden (1994)
- Environmentally-sound management of inland waters Int'l Water Quality Workshop, Mekong River Commission, Bangkok, Thailand (1995)
- Technology for developing countries Int'l Forum on Technology for Water Management in the 21st Century, Shiga, Japan (1996)
- Freshwater resources and sustainable development Invited Speaker, Environment and Economic Speaker Series, Univ. of Nairobi, Kenya (1997)
- Wetlands and water quality Invited Speaker, Wetlands Refresher Course, Delft Hydraulics Institute, Nairobi, Kenya (1998)
- Alien invasive species in the North American Great Lakes Texas Academy of Sciences, Southwest Texas State University, San Marcos, Texas (2001)
- Integrated river management Water for People and the Environment, Regional Conference for South Central Texas, Southwest Texas State University, San Marcos, Texas (2002)
- Integrated management for sustainable use of lakes and reservoirs International Conference for Sustainable Water Sustainable Use of Lakes and Resources Management, Shiga Prefecture, Japan (Feb., 2003)
- World Lake Vision: A call to action Session on Integrated Water Resource Management, 3rd World Water Forum, Otsu, Kyoto & Osaka, Japan (Mar., 2003)
- Sustainable aquatic resources: The promise and the reality Sustainable Freshwater Systems: Changing Landscapes and Interdisciplinary Challenges, Special Session, 24th Annual Meeting, Society of Wetland Scientists, New Orleans, Louisiana (June, 2003)
- State of the waters of the State and the world Water Environment Association of Texas, Austin, Texas (July, 2004)
- World Lake Vision: A call for action Keynote Address, "Sustainability of the Precious Water for Sustainable Use of Lakes Environment, 2nd Int'l Conference, Shimane University, Matsue City, Japan (January, 2005)
- Integrated water resources management of the Rio Grande and its drainage basin Rio Grande Basin Initiative, Sul Ross State University, Alpine, Texas USA (April, 2005)
- Integrated lake basin management International Conference on Integrated Water Resources, Lima, Peru (May 2005)
- Lake Basin Management Initiative 3rd International Waters Conference, Global

	<u>Environment Facility, Salvador, Brazil (June 2005)</u>
• <u>Projects of River Systems Institute: in the Rio Grande</u>	<u>Border Health and Water Quality/Water Availability, International Consortium for Health and Environmental Basin Security Conference, City-Base, San Antonio, Texas, (August 2005)</u>
• <u>World Lake Vision: A continuing effort</u>	<u>Keynote Address, World Lake Vision Plenary Session, 11th World Lake Conference, Nairobi, Kenya (October (2005)</u>
• <u>Promoting World Lake Vision for the future of global water</u>	<u>Keynote Address, Lake Basin Management World Water Forum 4, Mexico City (March (2006)</u>
• <u>Transboundary Diagnostic Analysis and the Rio Grande</u>	<u>Rio Grande Basin Initiative, Ruidoso, New Mexico (March 2006)</u>
• <u>World Lake Vision: What's next:</u>	<u>World Lake Conferences and Integrated Stockholm Water Symposium (August 2006)</u>
• <u>Integrated water resources and the public</u>	<u>Special Session on Public Outreach, 10th Texas Water Management and the Public Monitoring Congress, Austin, Texas (September 2006)</u>
• <u>Management of the Rio Grande for sustainable use</u>	<u>Project Rio Workshop, Ciudad Juarez, Mexico (October 2006)</u>
• <u>Integrated lake basin management</u>	<u>Special Session, World Water Week, Stockholm, Sweden (August 2007)</u>
• <u>Integrated water resources management</u>	<u>1st International Conference on Integrated Management of Lakes in Arid and Sub-arid Regions, Cordoba, Argentina (September 2007)</u>
• <u>World Lake Vision Action Report</u>	<u>Keynote Address, 12th World Lake Conference, Jaipur, India (November 2007)</u>
• <u>Integrated Water Resources: The Promises and the Reality</u>	<u>Invited Keynote Address, 12th Annual Conference on Integrated Diffuse Pollution Management, Khon Kaen, Thailand (August 2008)</u>

3. Consultancies:

Have engaged in numerous consultancies related to water quality issues and the topic of integrated water resources management, funded primarily by the United Nations Educational, Scientific and Cultural Organization (UNESCO), United Nations Environment Programme (UNEP), International Lake Environment Committee (ILEC) and GEMS/Water (UNEP/WHO)

4. Workshops:

Presented Short Course: "Assessment and Control of Eutrophication of Lakes and Reservoirs."
Presented under the auspices of UNESCO's Programme on Man and the Biosphere (MAB; Paris)
and the relevant national MAB committees, the course is based on Volume I of the MAB book
series (Ryding, S.-O and W. Rast. 1989. The Control of Eutrophication of Lakes and
Reservoirs. Parthenon Press, MAB, UNESCO, Paris. 311 p.). Class participants typically
comprise scientists, engineers, water-quality managers and policymakers from throughout the
region in which the course is given. Previous courses were given in Tianjin, China (May, 1990),
Bogor, Indonesia (November, 1991), Corrientes, Argentina (November, 1992), and Nairobi,
Kenya (1995).

5. Other:

OTHER CONFERENCE PROCEEDINGS:

- Rast, W. 2008. Integrated Water Resources Management: The Promise and the Reality. Invited Keynote Address, 12th Annual Conference on Integrated Diffuse Pollution Management, International Water Association, August 2008, Khon Kaen, Thailand.
- Rast, W. World Lake Vision Action Report. Invited Keynote Address, 12th World Lake Conference, November 2007, Jaipur, India.
- Rast, W. (ed.) 2003. World Lake Vision: A Call to Action. International Lake Environment Committee, International Environment Technology Centre – United Nations Environment Programme, and Shiga Prefectural Government, Otsu, Japan. 45 p.
- Rast, W. 2002. Integrated river management. In: Proc., Regional Water Conference for South Central Texas, Southwest Texas State University, Oct. 12, 2002, San Marcos, Texas. P. 12-13.
- Moore, J.G., W. Rast and W.M. Pulich. 2002. Proposal for an integrated management plan for the Rio Grande/Rio Bravo. In: Aldama, A., F.J. Aparicio and R. Equihua (eds.), First International Symposium on Transboundary Waters Management, Avances en Hidraulica 10, XVII Mexican Hydraulics Congress, Monterrey, Mexico, Nov. 18-22, 2002. p. 189-204.
- Peters, N.E., M. Bonnell, T. Hazen, S. Foster, M. Meybeck, W. Rast, G. Schneider, V. Tsirkunov and J. Williams. 1998. Water quality degradation and freshwater water availability -- Need for a global initiative. In: Water: A Looming Crisis?, (Zebidi, H., ed.), Proceedings, International Conference on World Water Resources at Beginning of 21st Century, 3-6 June, 1998, Technical Documents in Hydrology No. 18, International Hydrologic Programme, UNESCO, Paris. pp. 195-202.
- Rast, W. 1996. Integrated lake management. Proceedings, 6th, International Conference on Management and Conservation of Lakes, International Lake Environment Committee, May 1996, Kasimagura, Japan. p. 4-12.
- Thornton, J.A. and W. Rast. 1988. A test of hypotheses relating to the comparative limnology and assessment of eutrophication in semi-arid man-made lakes. Proceedings, 8th International Symposium, North American Lake Management Society, 15-17 November, 1988, St. Louis, Missouri.
- Holland, M.M. and W. Rast. 1985. Lake Management: The influence of the scientist in policy formulation and decision-making. In: Lake and Reservoir Manag

C. Grants and Contracts

1. Funded External Grants and Contracts:

(LISTED IN CHRONOLOGICAL ORDER FROM EARLIEST DATE)

- U.S. Department of Agriculture – Prepared proposal for Texas State University System federal funding request, directed to sustainable use of Rio Grande; the proposal was subsequently funded on a continuing basis as a federal budget line item administered by the U.S. Department of Agriculture. My direct research funds under this proposal to date are as follows: “Sustainable Agricultural Water Conservation in the Rio Grande Basin,” 2004- \$40,834; 2005 - \$46,635; 2006 - \$44,065; 2007 - \$52,000; 2008 - \$59,000 (Total to date: ~\$204,500) (Note: Other faculty in Biology and Geography Department also have received funds under this federal line item.
- U.S. Environmental Protection Agency, Border 2012 Program, “Transboundary Diagnostic Analysis Framework for Sustainable Use of Rio Grande,” 2005 - \$75,000.
- United Nations Environment Programme (UNEP) - \$25,000 for first stage of long-term project focusing on sustainable use of the Rio Grande basin and its resources; funds financed international workshop (“Project Rio”) of invited experts from USA and Mexico, October 2006.
- Texas Commission on Environmental Quality, “Categorization of Impaired Water Systems in Texas,” 2006 - \$81,450.
- Austin Regional Research Organization - "Effectiveness of Water Conservation Methods in Central Texas Counties, 2007 - \$28,500.
- United Nations Environment Programme - "Ecosystem Services and Integrated Water Resources Management," 2008 - \$68,500.
- UNEP/Global Environment Facility - Prepared proposal (“Regional Framework for Sustainable Use of the Rio Bravo”), as follow-up to above-noted Project Rio Workshop. Proposal was subsequently funded by Global Environment Facility (GEF) at level of \$4,119,500, including Project Program Guide (PPG) and Full-Size Project; funds will be provided through UNEP to the National Autonomous University of Mexico (UNAM), with UNAM and Texas State University jointly implementing project; initial phase funding level of \$119,500, and remaining \$4 million for next phase; Texas State University, through the River Systems Institute, will receive approximately \$60,000 of initial phase funds.

2. Submitted, but not Funded, External Grants and Contracts:

- U.S. Environmental Protection Agency, Border 2012 Program, 2007, “Integrated Water Resources Management Framework and Database for the Rio Grande,” \$96,000.

3. Funded Internal Grants and Contracts:

None

4. Submitted, but not Funded, Internal Grants and Contracts:

None

D. Fellowships, Awards, Honors:

- Faculty Member of the Year, 2004-2005, Catholic Student Center, Texas State University .
- Recipient of "Unsung Hero" Award, Water Resources Division, U.S. Geological Survey, for

international work on lake pollution (1990).

- Recipient of "Excellence" Award, Canadian Society for Technical Communication, for "First Biennial Report Under the Great Lakes Water Quality Agreement of 1978", International Joint Commission to Governments of the United States and Canada.
- Identified in Who's Who in the South and Southwest, Who's Who in Frontiers of Science and Technology, Two Thousand Notable Americans, Personalities of America, International Book of Honor, and 5,000 Personalities of the World, publ. by Amer. Biographical Inst.

IV. SERVICE

A. University:

- Director, International Center for Watershed Studies, River Systems Institute, Texas State University, 2006-present.
- Prepared 3rd Year Review of Aquatic Resources Ph.D. Program for Provost Office, for subsequent submission to Texas Higher Education Coordinating Board; the review was approved and accepted by the Board (Fall 2006)
- At request of Office of Sponsored Research, lead group of Texas State faculty to meet with officials and faculty at Shimane University, Matsue City, Japan; also participated as keynote speaker at 2nd International Conference ("Sustainability of the Precious Water Environment"), held coincident with Texas State contingency visit (February, 2005)
- Member of Doctoral Program Advisory Group to Dean of Graduate College, 2004 (member of inter-departmental doctoral program group convened by Dean to advise on effective development and implementation of future doctoral programs at Texas State).
- At request of Office of Sponsored Research, prepared program on water resources for entire Texas State University System for submission as part of federal package to Texas legislators in U.S. Congress, 2003 (\$7.1 million proposal on sustainable use of Rio Grande, subsequently funded by Congressman Henry Bonilla as federal line item budget, with Texas State University and Sul Ross State University serving as project leaders under auspices of Texas Rivers Institute; project is ongoing in 5th year of continuing federal funding from U.S. Department of Agriculture (also see above input on grant activity)
- At request of Office of Sponsored Research, developed proposal in collaboration with officials at Laredo Community College for submission to Department of Education under Title V of U.S. Education Act, 2002 (proposal was developed to increase the Hispanic enrollment at Texas State University; it did not receive funding)
- Finalized proposal for Ph.D. Program in Aquatic Resources for Biology Department, Texas State University submitted to Texas Higher Education Coordinating Board, 2001-2002 (proposal was subsequently approved by THECB in May 2002, with new doctoral program beginning in September 2002).

B. Departmental:

- Program Director, Aquatic Resources Ph.D. Program, Department of Biology, 2003-2009;
- Program Advisor, Aquatic Biology M.S. Program; Department of Biology, 2003-2008;
- Member, Graduate Committee, current.
- Member, Personnel Committee, current.
- Member, Budget Committee, current.

- Member, Curriculum Committee, 2005-2006.
- Member, Space Committee, current
- Member, Ed Cape Seminar Committee, current
- Member, aquatic science scholarship Committee, current
- Chair, Development Committee, 2005-2007; subsequently disbanded.

C. Community:

Lector and Eucharistic Minister, Catholic Student Center, San Marcos, Texas

D. Professional:

- Chair, Ecosystem Management Working Group, United Nations Environment Programme (UNEP), 2008-present.
- Member, Working Group, World Water Development Report, World Water Assessment Programme, United Nations Educational, Scientific and Cultural Organization (UNESCO), and UN-Water, 2008-present.
- Co-chair, International Lake Basin Management Initiative, International Lake Environment Committee (ILEC) and Japanese Education Agency, 2008-present.
- Member, Advisory Board, Brazilian Journal of Biology, 2008-present.
- Invited Expert, Border Institute VIII. Cooperative Planning and Operation of Transboundary Watersheds, Southwest Consortium for Environmental Research and Policy (SCERP), Rio Rico, Arizona, May 2006.
- Invited Expert, North American Regional Report, GEO-4, UNEP, Washington, D.C., May 2006.
- Chair, World Lake Vision Action Committee, ILEC, Otsu, Japan, 2006-2008.
- Lead Author, Chapter 4 – Water, Global Environment Outlook, Division of Early Warning and Assessment, UNEP, Nairobi, Kenya, 2005-2006.
- Member, Organizing Committee, and Co-Chair, World Lake Vision Plenary Session, 11th World Lake Conference, Nairobi, Kenya, November, 2005.
- Member, Planning Committee, Texas Groundwater 2004 – Towards Sustainability, 18-19 November 2004, Austin, Texas.
- Member, Steering Committee, Lake Basin Management Initiative, Global Environment Facility (GEF), World Bank, ILEC, 2003-2006.
- Chair, International Drafting Committee, World Lake Vision, International Lake Environment Committee, Otsu, Japan, 2002-2003.
- Program Co-Chair, 10th World Lakes and 46th International Association of Great Lakes Research Joint Conference, June 2003, Chicago, Illinois USA, 2002-2003.
- Editor-in-Chief, Lakes and Reservoirs. Research and Management, Journal of International Lake Environment Committee (ILEC) and Wiley Publishing, 2002-present.
- Roster of Experts, Scientific and Technical Advisory Panel, Global Environment Facility, United Nations Environment Programme (UNEP), Nairobi, Kenya, 2002-present.
- Member, Board of Governors, LakeNet, Annapolis, Maryland, 2000-2003.
- Member, Scientific Committee, and Vice-Chair, Bureau, International Lake Environment Committee, Shiga, Japan, 2001- present.
- Member, Organizing Committee, 4th International Conference on Reservoir Limnology and Water Quality (Ceske Budejovice, Czech Republic), 2000-2001.

- Member, Organizing Committee, 3rd International Workshop on Regional Approaches to Reservoir Development and Management in the La Plata River Basin: Focus on Sustainable Development (Buenos Aires, Argentina), 2000-2001.
- Member, Steering Committee on Global International Water Assessment, GEF, United Nations Environment Programme (UNEP), Nairobi, Kenya, 1997 – 1998.
- Member, Water Working Group, World Business Council on Sustainable Development, Geneva, Switzerland, 1998-1999.
- Member, Organizing Committee, Great Lakes of the World, 8th International Conference on the Conservation and Management of Lakes (Copenhagen, Denmark), 1999.
- Member, Water Working Group, World Business Council on Sustainable Development, Geneva, Switzerland, 1998-1999.
- Member, Steering Committee on Global International Water Assessment, GEF, United Nations Environment Programme (UNEP), Nairobi, Kenya, 1997 – 1998.
- Member, International Water Task Force, Global Environment Facility (GEF) Secretariat, Washington, D.C., 1996 - 1998.
- Member, Large Dams and Environment Working Group, Tokyo, Japan, 1996 - 1999.
- Member, Advisory Council, Inter-American Water Resources Network, Organization of American States (OAS), Washington, D.C., 1996-2000.
- Secretary, Water Working Group, UN System-wide Special Initiative on Africa, United Nations, 1995 - 1998.
- Member, Advisory Board, International Research and Training Center on Erosion and Sedimentation, Beijing, China, 1994 – 1998.
- Editorial Board, International Journal of Water Resources Development, Oxford, United Kingdom, 1993 – 2002.
- Member, Water Quality Advisory Committee, City of Austin, Texas, 1991 - 1992.
- Member, Task Force on Nonpoint Source Pollution, Galveston Bay National Estuary Program, 1990 - 1992.
- Chair, Technical Program, North American Lake Management Society, 9th International Symposium, Austin, Texas, 1989.
- Chair, Technical Committee, Assessment and Control of Nonpoint Source Pollution of Aquatic Ecosystems, Programme on Man and the Biosphere (MAB), UNESCO, Paris, 1989-1996.
- Member, International Committee, and Co-chairman, Scholarship Committee, North American Lake Management Society, 1988-1992.
- Member, Quality Control in Reservoirs Committee, American Water Works Association, 1987 - 1990.
- Member, Task Group on Reservoir Water Quality Management, International Association for Water Pollution Research and Control, London, UK, 1987 - 1996.
- U.S. Chairman, Limnology Task Force, Flathead River International Study Board, International Joint Commission, Washington, D.C., 1986 - 1988.
- Chair, Sacramento-San Joaquin Estuary Biological Impacts Assessment Committee, San Luis Drain Interagency Technical Advisory Group, Sacramento, California, 1984 - 1985.
- Member, Sacramento-San Joaquin Delta Export Curtailment Experiment Policy Development Committee, Sacramento, California, 1984 -1985.
- Chair, Nutrient/Chemistry Workgroup, Phytoplankton Task Force, Interagency Ecology Program, Sacramento-San Joaquin Estuary, Sacramento, California, 1983 - 1985.
- Member, Core Group, Control of Eutrophication of Lakes and Reservoirs, Programme on Man and the Biosphere (MAB), UNESCO, Paris, 1982 - 1989.

E. Organizations

1. Honorary:

None

2. Professional:

I am currently the Co-chair, Scientific Committee, International Lake Environment Committee, Kusatsu, Shiga Prefecture, Japan;

At various times, I have been a member of:

- American Society for Limnology and Oceanography (ASLO)
- International Society for Applied and Theoretical Limnology (SIL)
- North American Lake Management Society (NALMS)
- Sierra Club
- Society of Wetland Scientists (SWS)
- World Wildlife Federation (WWF)

Please note: For all entries, list most recent items first.