

CURRICULUM VITAE

KENNETH W. KNOX

CURRENT POSITIONS

Principal Water Resource Engineer

URS Corporation

Provide professional water resource engineering consultation services to a variety of government, corporate, and private interests in water supply planning, development, and management activities for URS Corporation within the United States and the international community. These professional services include planning and development of conjunctive water supplies; interstate river compact administration and negotiation; and coordination of water management activities with federal and state governments, municipalities, water conservation districts, and other regulatory authorities. Design water supply, management, and conservation regimes for industrial and commercial entities that may be applied on a local, regional, and statewide or provincial scale.

Adjunct Professor

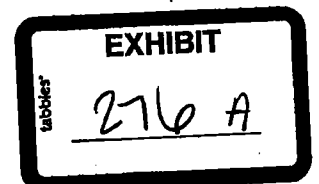
University of Denver

Department of Environmental Policy & Management

Develop and instruct graduate courses in global environmental law and policy; natural resources management; environmental law; water resources planning and management; environmental economics, water law; surface water management; and natural resources economics. Teach 1-2 classes per academic term. Serve as an advisor to graduate students completing their Master of Science thesis or Doctor of Philosophy dissertation. Assist the Academic Director and Dean of University College in curriculum design and instructor development.

EDUCATION

- ◆ Doctor of Philosophy in Civil Engineering Colorado State University 2004
Major field: Water Resources Engineering
Minor field: Water Resources Planning & Management
- ◆ Master of Science in Civil Engineering Colorado State University 1991
Major field: Water Resources Planning & Management
Minor field: Operations Research
- ◆ Bachelor of Science in Chemical Engineering Colorado State University 1982
Minor: Chemistry



PROFESSIONAL EXPERIENCE

- ◆ Principal Water Engineer July 2008 to Present URS Corporation
Denver, Colorado
- ◆ Adjunct Professor 2005 to Present University of Denver
Denver, Colorado
- ◆ Chief Deputy State Engineer 2002 to July 2008 Colorado Division of Water Resources
Denver, Colorado
- ◆ Assistant State Engineer 1998 to 2002 Colorado Division of Water Resources
Denver, Colorado
- ◆ Division IV Engineer 1994-1998 Colorado Division of Water Resources
Montrose, Colorado
- ◆ Assistant Division IV Engineer 1990-1994 Colorado Division of Water Resources
Montrose, Colorado
- ◆ Water Resources Engineer 1984-1990 Colorado Division of Water Resources
Alamosa, Colorado

PROFESSIONAL EXPERTISE

- ◆ Develop and implement policy for integrated water management to meet evolving water use demands in variable climatic conditions in a collaborative forum with various governmental, agricultural, industrial, municipal, academic research, and environmental protection institutions.
- ◆ Develop a technical framework to support the management, measurement, monitoring, and modeling functions to address the cumulative impact of water produced from oil and gas energy wells upon surface and groundwater resources, particularly those wells extracting methane from coal seams.
- ◆ Compact Coordinator and Engineer Advisor for the nine Interstate River Compacts and two United States Supreme Court decrees that govern interstate river system administration for Colorado. Serve as lead technical and water administration negotiator for interstate river compacts, including legal actions under jurisdiction of the United States Supreme Court.
- ◆ Responsible for litigation and water court activities for the Colorado Division of Water Resources. Provide central oversight and act as liaison for water administrative functions to the seven regional offices located throughout Colorado. Supervise and manage the engineering, financial, personnel, information technology, and mathematical modeling branches within the Division of Water Resources.

- ◆ Develop comprehensive groundwater/surface water integrated management practices for the State of Colorado that incorporates applicable legal, scientific, social, and economic parameters to manage conjunctive water supplies in a sustainable manner in an arid climate.
- ◆ Negotiate water allocation and distribution mechanisms for interstate river systems and regional groundwater aquifers with other government and organizational interests.
- ◆ Collaborate and negotiate with industry, agricultural, municipal, and academic institutions to create, fund, and operate integrated water resource research and management programs.
- ◆ Provide speeches and develop seminars in public administration, integrated water resources management, water resources engineering, interpretation and application of natural resources law, and conflict resolution.
- ◆ Provide professional consultation in water resources administration to government and business officials in water resource engineering and management in the western United States, Australia, South Africa, Zimbabwe, and Republic of Korea.
- ◆ Conduct periodic lectures at the University of Colorado, Colorado State University, and University of Denver in leadership, public administration, water resource engineering, and the application of legal principles in natural resources management.
- ◆ Serve as lead expert and scientific advisor in lawsuits pertaining to water resource management and use. Testify as an expert witness that has included testimony before the United States Supreme Court and in five different District Courts in over 55 trials.
- ◆ Provide testimony before the Colorado General Assembly, House and Senate Agriculture and Natural Resources Committees and other legislative bodies.

REGISTERED PROFESSIONAL ENGINEER

State of Colorado, No. 26225

RECENT AWARDS

- ◆ Appreciation of Outstanding Commitment to Excellence Award as Outstanding Instructor for University College, University of Denver, September 2007.
- ◆ Fulbright Senior Specialist Award by the Fulbright Foreign Scholarship Board, the Bureau of Education and Cultural Affairs of the Department of State, and the Council for International Exchange of Scholars, September 2006.
- ◆ Leadership Award in Recognition of Commitment to Excellence and Public Service, State of Colorado, 2006.

- ◆ Leadership Award for Dedication and Service to the Colorado Division of Water Resources, 2000.

SELECTED LIST OF PUBLICATIONS

- ◆ The Citizen's Guide to Colorado's Interstate Compacts: 1922 La Plata River Compact, Colorado Foundation for Water Education, March 2010.
- ◆ Colorado Whitewater Courses and Water Rights, The Water Report, August 2006.
- ◆ Water Administration in Colorado: The Daily Practice and Legal Authority, Colorado Bar Association CLE, July 2006.
- ◆ Western Water Law and Administration, Soil and Water Conservation Society, July 2006.
- ◆ The Allocation of Interstate Groundwater: Evaluation of the Republican River Compact as a Case Study, Colorado State University, August 2004.
- ◆ Republican River Compact Administration Groundwater Model, United States Supreme Court Case Kansas v. Nebraska and Colorado, No. 126 Original, July 2003.
- ◆ The Costilla Creek Compact, University of Denver Law Review, Spring 2003.
- ◆ The LaPlata River Compact: Administration of an Ephemeral River in the Arid Southwest, University of Denver Water Law Review, Fall 2001.
- ◆ Guide to Colorado Water Rights, Well Permits, and Administration, October 2000.
- ◆ Conjunctive Use and Management of Surface and Groundwater in the State of Colorado, Technical Report of the Western State Engineers Association, Spring 2000.
- ◆ Surface and Groundwater Administration in Colorado, Colorado Bar Association, 6th Annual Western Agricultural & Rural Law Roundup, June 1997.
- ◆ Uncompahgre River Management System, Colorado Water Engineering and Management, March 1992.

INTERNATIONAL PRESENTATIONS

Burdekin Water Forum. An International Perspective in Surface Water-Groundwater Management. Ayr, Queensland, Australia. February 2010.

National Water Commission Groundwater Form. Colorado Experience of "One Resource Water Management". Canberra, Australia. November 2009.

International Conference of Science and Information Technologies for Sustainable Management, Concepcion, Chile. Implementation of Hydroinformatics to Meet Evolving Water Management Practices and Societal Demands. January 2009.

International Symposium for Sustainable Water Resources Policy, Seoul, Korea. Integrated Water Resources Management in the USA. March 2005.

The A-Z of Australian Water Trading, Sydney, Australia. Water Trade in the USA. September 2003.

PROFESSIONAL ORGANIZATIONS AND ACTIVITIES

- ◆ American Society of Civil Engineers
- ◆ Colorado Water Officials Association
- ◆ American Water Resources Association
- ◆ Council member, United States Bureau of Land Management Resource Advisory Council
- ◆ Advisor, Colorado State Search and Rescue
- ◆ Phi Kappa Delta, National Engineering Honor Society