

**Roger W. Peebles, Ph.D.**

**SKILLS**

Hydrologic modeling including groundwater and watershed modeling. Water resource assessment and planning including GIS applications such as Arc/Info and ArcView. Third party oversight, peer review and quality control for environmental modeling, water data analysis, and environmental monitoring of water resources.

**EDUCATION**

Ph.D., Hydrology, University of Arizona, Tucson, Arizona, 1975. Minor mathematics.  
M.S., Geology, Michigan State University, East Lansing, Michigan, 1970. Minor Geophysics.  
B.A., Geology, Columbia College, Columbia University, New York, N.Y., 1961.

**EMPLOYMENT HISTORY**

October 96 - Present

Texas A&M University - Texas Center for Applied Technology (TCAT)  
Research Engineer (Hydrogeology)  
Program Manager, TCAT technical support activities (RCRA/CERCLA) for Texas Natural Resource Conservation Commission, Remediation Division.

Serve on Pantex Groundwater Modeling Technical Advisory Group (model selection) and carry out modeling oversight for the Commission. Additional ongoing activities for other clients, including the Air Force Center for Environmental Excellence, are program oversight, third party peer review, hydrologic (groundwater) modeling including GIS (ArcView) applications, and training.

October 94 - October 96

US Air Force - Center for Environmental Excellence  
Senior Hydrologist

Duties included project and contract management for hydrology and hydrogeology programs at several Air Force bases. Special projects included management of groundwater pump and treat optimization studies using operations research methods; and management of water rights adjudication studies with emphasis on water law related to arid and semi-arid western United States.

October 91 – October 94

Independent Consultant

Conducted environmental audit/evaluation, including soil gas survey, for Hungarian Optical Works. Conducted environmental audit/evaluation for the largest chemical distributor in Hungary. Evaluations followed European Bank for Reconstruction and Development protocols. Work carried out in Budapest for private client.

As groundwater specialist, participated in U.N. Food and Agriculture Organization (FAO) Mission to Arab Republic of Egypt for FAO Country Action Program for Water and Sustainable Agricultural Development. Prepared two project proposals for donor funding: Conjunctive Use of Groundwater and Irrigation Canal Seepage Control. Work carried out in Cairo, Egypt.

Identified and formulated environmental audit/assessment component of U.S. privatization support

program in the Republic of Zambia. Served as leader of environmental assessment team. Program funded by U.S. Agency for International Development. Work carried out in Lusaka, Zambia.

April 89 - September 93

A.T. Kearney, Inc.  
Project Director and Senior Hydrogeologist, Environmental Group

Responsible for management and technical oversight of the hydrology and hydrogeology aspects of group work. Principal areas of work included support activities for the U.S. Environmental Protection Agency's hazardous waste management and clean-up activities under RCRA and CERCLA; and development of an international environmental practice, client development, and proposal preparation.

July 86 - April 89

U.S. Geological Survey  
Staff hydrologist

Developed methodology and preparation of guidance manual for rapid reconnaissance of groundwater resources in arid and semi-arid environments for the U.S. Army Corps of Engineers. Prepared technical proposals for USGS international technical assistance activities in the field of groundwater. Coordinated U.S. participation in the International Hydrological Program of UNESCO; and served as U.S. Delegate to the United Nations Committee on Natural Resources.

May 84 - July 86

U.N. Food and Agriculture Organization  
Technical Officer

Duties included technical aspects of contract preparation, award and performance, consultant selection, and assistance to field projects on equipment selection and procurement.

Participated in technical backstopping missions to: Bolivia (to determine reasons for drop in irrigation well production, Cochabamba area); Zanzibar (to evaluate consultant reports of availability of groundwater for rice irrigation in Karst environment); People's Democratic Republic of Yemen (to review and redirect survey of groundwater availability and opportunities for artificial recharge, Wadi Beihan and advise on gaging of ephemeral streamflow, Abyan Delta); Djibouti (for project formulation, small scale irrigation by wells); and the Philippines (to assist in remote sensing survey for availability of groundwater and prepare computer groundwater model of tropical karst region, Island of Bohol).

Participated in the development of hydrologic methodology to evaluate irrigation potential of Africa using computerized geographic information system (GIS) technologies (ARC/INFO). Served as FAO representative to World Meteorological Organization, World Climate Program - Water.

May 81-April 84

U.S. Geological Survey  
Deputy Chief, Office of International Hydrology

Coordinated and managed international activities of division and preparation of technical proposals. Developed agreement with U.S. Agency for International Development for study of shallow groundwater in Senegal River Basin, West Africa and participation in program

formulation mission to Asia for USGS training course on geologic and hydrologic hazards.  
Served as instructor for a hydrologic hazards course at the USGS training center.

April 80 - April 81

Office of Surface Mining, U.S. Dept. of Interior  
Hydrologist

Technical support in hydrology and hydrogeology to program for environmental impact assessment, regulation, and permitting of surface coal mining activities, primarily for activities in Western U.S. Accomplishments include special achievement award for hydrological analyses in EIA for proposed coal project in Utah.

June 77 – April 80

Water Resources Research Center, Caribbean Research Institute, Univ. of the Virgin Islands  
Director

Administered territorial water research and development program. Organized conference on water law, developed water management framework for the islands, and provided expert assistance related to water resources development to the legislature and Governor's office.

#### OTHER

Registered Professional Geologist, Arizona, No. 11366, since 1977.

Languages: Italian (fluent), French (excellent), Spanish (fair).

Founder, author, and owner of web site: <http://www.hydroweb.com>

Founder and editor of the first Internet hydrology journal, Journal of Environmental Hydrology, at <http://www.hydroweb.com/jeh.html>, now in its 9th year of publication.