

RESUME

David Shaw, Engineer/Principal

EDUCATION

M.S. 1972, Agricultural Engineering, University of Idaho

B.S. 1966, Agricultural Engineering, University of Idaho

CERTIFICATIONS AND AFFILIATIONS

National Council of Examiners for Engineering and Surveying, NCEES #16269

American Society of Agricultural and Biological Engineers

U.S. Committee on Irrigation and Drainage

Idaho Society of Professional Land Surveyors

Idaho Certified Water Right Examiner

Oregon Certified Water Right Examiner, #74051WRE

LICENSURE

Professional Engineer and Land Surveyor, Idaho, #2648

Professional Engineer, Oregon, #74051PE

Professional Engineer, Arizona, #40134

Professional Engineer, Colorado, #415169

BACKGROUND

David is an engineer and principal in the Denver-based natural resources consulting firm of ERO Resources Corporation (ERO). For 20 years, David has managed ERO's Idaho office. He specializes in the identification, analysis, and resolution of water issues including coordination with other professionals in multidisciplinary projects. David has more than 40 years of experience and expertise in water resources and management, covering a broad spectrum of disciplines including surface and ground water supply and use studies, water right evaluations, water quality evaluation and monitoring, project management, alternative dispute resolution, litigation support and expert witness testimony, and technical input on legislative and administrative matters.

SUMMARY OF EXPERIENCE

Water Right Investigations

For 11 years, acted as project manager for IDWR's role in the SRBA. An understanding of water rights and management ability were essential for the successful development of the criteria and process for the identification and evaluation of 150,000 claims to water rights. David continues to assist clients with water right investigations including adjudication and administrative processing, evaluation and transfer, and the development of new rights and protection of senior rights.

Litigation Support and Alternative Dispute Resolution

Designated as an expert in water right adjudications by the SRBA court. Provides expert testimony before the court on all aspects of water right adjudications as well as hydrology and water right administration issues. Provides expert testimony and settlement support for storm water conflicts and right-of-way issues between water users and nonwater users.

Water Supply Evaluations, Development, and Permitting

Assists clients with the permitting and development of water uses. A water supply evaluation is required for most new water right filings and for many filings for changes. Delivery system designs are sometimes included with the development and supply evaluations.

Water Quality Evaluation, Monitoring, and Management

Experienced in designing and implementing water quality monitoring programs for various water users. This includes knowledge of state standards and Total Maximum Daily Load requirements, and how water users can help protect their water uses with water quality data.

Project Experience:

Water Right Investigations

Surface Water Coalition, ID

Provided analysis and recommendations for resolution of water delivery call by senior surface water users against junior ground water users. Analyzed historical water distribution practices for delivery of storage and natural flow water to preserve historical enjoyment of the water resource.

Snake River Basin Adjudication, ID

Developed criteria and procedures to investigate the existence and extent of tens of thousands of water rights.

Little Land and Livestock, Inc., ID

Evaluated water rights for a potential land purchase. Secured new water rights for development of additional land for irrigated agriculture. Provided technical analysis to resolve conflicts between potential new water use and existing water uses.

Modoc Point Irrigation District, OR

Determined the extent of water use for irrigation in support of water right claims in the Klamath River Adjudication.

Litigation Support and Alternative Dispute Resolution

Office of the Idaho Attorney General, ID

Designated by the SRBA court as an expert in water right adjudications. Provided mediation support for resolution of federal reserved water rights. Acted as hydrology expert for litigation of federal reserved water right claims.

Surface Water Coalition, ID

Provided mediation support and expert testimony in support of water delivery call by senior surface water users.

Settlers Irrigation District, ID

Provided mediation support and expert testimony to resolve conflict over irrigation district rights-of-way and encroachment from storm water discharge.

Middle Fork Lodge, ID

Provided expert testimony to establish right-of-way for water delivery prior to creation of a wilderness area and designation of the forest.

Shoshone-Bannock Reserved Water Right Negotiations, ID

Acted as co-chair of the state, Indian, federal, and private technical advisory committee.

Riddle Ranch, ID

Served as technical expert/negotiator for resolution of federal reserved water rights of the Duck Valley Indian Reservation.

Methow Valley Ditch Users Association, WA

Analyzed ground water/surface water interaction and supply.

Federal Instream Flow Coalition, ID

Provided mediation support for resolution of federal reserved water rights and Endangered Species Act water demands.

Idaho Office of the Attorney General, ID

Acted as hydrology expert for litigation of federal reserved water rights.

Water Supply Evaluations, Development, and Permitting

Idaho Office of the Attorney General, ID

Evaluated the surface water supply of a river drainage basin for equitable allocation among state law-based water right water users and federal reserved-based water right water users.

Surface Water Coalition, ID

Evaluated the impact of surface water supply by the diversion and use of ground water.

Idaho Power Co., ID

Evaluated the impact of the proposed development of the company's water supply for power generation.

Big Lost River Basin, ID

Provided expertise regarding the surface and ground water hydrology and the administration requirements for a ground water recharge project.

District Water Supply, Boise River, ID

Evaluated the impact of a proposed water right transfer on irrigation. Identified and quantified changes to ground and surface water supply if the transfer was approved.

City of Coeur d' Alene, ID

Prepared an application for consolidation of all city water rights to allow for full use of the water rights and development of a new well.

Federal Instream Flow Coalition, ID

Evaluated the hydrologic impact of the historical water development in southern Idaho on river flows for Endangered Species Act-listed salmonids.

Water Quality Evaluation, Monitoring, and Management

Pioneer Irrigation District, ID

Provided project design, implementation, and management for their water quality sampling program.

Wilder Irrigation District, ID

Provided project design, implementation, and management for their water quality sampling program.

Water Users in Owyhee County, ID

Provided project design, implementation, and management for their water quality sampling program.