

EXHIBIT D

N. THOMAS SHEAHAN

Groundwater Flow & Well Hydraulics
Geochemical Assessments
Groundwater Resource Investigations
Litigation Support/Expert Testimony
Remedial Investigations
Remediation Feasibility Studies
Well Design and Construction

EDUCATION

University of Missouri B.S. Geology and Geography, 1960
University of Arizona, Post-graduate courses in Groundwater Hydrology, 1961
Massachusetts Institute of Technology, Certificate in Advanced Groundwater Hydrology, 1967
University of La Verne, College of Law, Juris Doctor, 1978

REGISTRATION

Registered Geologist: California, No. 682, 1970; Oregon, No. 288, 1978
Certified Engineering Geologist: California, No. 307, 1970; Oregon, No. E288, 1978
Registered Geophysicist: California, No. 757, 1974
Certified Hydrogeologist: California, No. 119, 1995
Certified Professional Geologist: AIPG, No. 2481, 1970
State Bar of California, No. 86443, 1979

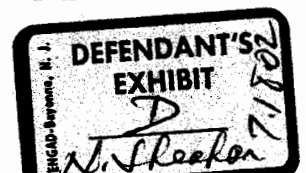
PROFESSIONAL HISTORY

Geomatrix Consultants, Vice President and Principal Hydrogeologist, 2002 to present
Dames & Moore (URS Corporation), Vice President and Principal Hydrogeologist, 1990 - 2002
Geraghty & Miller, Inc., Vice President and Senior Consultant, 1986 - 1990
Woodward Clyde Consultants, Chief Hydrogeologist, 1984 - 1986
Brown and Caldwell, Chief Geologist, 1972 - 1984
Layne Northern Company, Senior Groundwater Geologist, 1969 - 1972
Layne and Bowler, Inc., Research Groundwater Geologist, 1965 - 1969
U.S. Navy Reserve, Lt.J.G., Special Duty Intelligence, 1965 - 1968
Woodward, Clyde, Sherard & Associates, Engineering Geologist/Hydrogeologist, 1962 - 1965
U.S. Army Corps of Engineers, Engineering Geologist, 1960 - 1962
U.S. Air Force Reserve, A/1C, Air Photo Intelligence, 1956 - 1962

SKILLS AND EXPERIENCE

Mr. Sheahan has more than 40 years experience in geology, hydrogeology, geophysics, soil testing, groundwater flow, transport modeling, soil and groundwater remediation, groundwater supply evaluation, and well hydraulics. As principal hydrogeologist, he focuses on numerous projects involving geology, soils, hydrogeology, water supply, geochemistry, and groundwater contamination.

Sheahan_long_2-26-02.doc



His experience includes spring-water assessment studies, hydrogeologic evaluation and financial allocation of sites located within federal Superfund areas, characterization and modeling of flow and transport of contaminated groundwater at industrial sites, fault studies, litigation support services, and consulting services involving local, state, and federal governmental agencies.

As part of his professional practice, Mr. Sheahan provides consultation in nearly all aspects of development, protection, and evaluation of groundwater resources. Since 1972, he has concentrated on groundwater projects principally in the western United States, although past project locations have ranged from as far east as the Bahamas to as far west as Guam, and Okinawa. He has carried out groundwater investigations under local, state, and federal government agencies, as well as for numerous industrial companies, architect-engineering firms, and attorney clients. He has conducted seminars in hydrogeology, expert testimony, technical writing, oral communications, and other aspects of professional work.

REPRESENTATIVE PROJECTS

The following paragraphs briefly describe a selected group of projects conducted by Mr. Sheahan. For convenience, the projects are grouped according to a few general categories.

WATER RESOURCES AND HYDROGEOLOGIC SERVICES

- *Water Supply Studies, Intergen North America, Palm Springs, California:* As part of this energy company's Application for Certification, Mr. Sheahan assisted in documenting the water supplies available for use at a proposed power plant. Studies included evaluation of groundwater supplies available, reclaimed water sources, potential for groundwater recharge, hydrogeochemistry, and analytical modeling to assess impacts of groundwater development. Provided consultation to client and outside counsel concerning interaction with the California Energy Commission, water rights issues, and coordination with local water agencies.
- *Hydrogeologic and Spring Impact Studies, Three Mountain Power, Burney, California:* Working through the outside counsel for a major energy company, provided hydrogeologic assessment of groundwater resources available to meet the needs of a new power plant. Evaluated aquifer characteristics to allow assessment of potential impacts of groundwater production at the new facility. Evaluated isotope studies to determine the sources of groundwater recharge to the area, and developed water budgets for current and projected future conditions to assess potential impacts. Conducted a supplementary hydrogeologic investigation of the potential impact of groundwater pumping at the proposed facility on springs in the vicinity, including the historic Burney Spring. Testified before California Energy Commission members at a public hearing, providing opinions, and bases for opinions, concerning the potential impacts of the proposed facility.
- *High Groundwater/Liquefaction Potential, San Bernardino Valley Municipal Water District, San Bernardino, California:* Assisted the water district in assessment, characterization, and evaluation of aquifer

conditions causing high groundwater and liquefaction potential in critical areas of the District. Consulted with the High-Groundwater Committee to determine program elements for addressing the problems, and provided review of work being done by others in the area that might impact the overall program.

- *Aquifer Storage and Recovery Pilot Test, Metropolitan Water District of Southern California, Hayfield Valley, California:* Prepared a detailed program for conducting recharge pilot testing in the Cholla Wash area of Hayfield Valley to determine the effectiveness of recharging up to 32,000 acre-feet per year of surplus surface water from the Colorado River Aqueduct. The program called for assessment of subsurface aquifer characteristics using geophysical investigations and test drilling, installation of monitoring wells for evaluation of subsurface flow of recharged water, assessment of liquefaction potential, and monitoring of groundwater uplift on the Aqueduct. Program included a field investigation plan, which described the geophysical and test-drilling activities, and a facilities modification plan, which described recommended changes to the conceptual design of recharge facilities. A detailed pilot test plan was also prepared, which described the methods for conducting the recharge test, monitoring, data evaluation, and assessment of the long-term recharge potential of Cholla Wash.
- *Aquifer Storage and Retrieval Studies, Catellus Corporation, Los Angeles, California:* Served as principal hydrogeologist on a series of projects addressing the potential for storing surplus surface water underground in desert areas of Southern California. Evaluated precipitation, evapotranspiration, runoff, and groundwater recharge of multiple desert groundwater basins. Interpreted geologic, lithologic, and borehole geophysical data, and conducted surface geophysics studies using TDEM technology. This work involved consideration of potential benefits to both the client, a large landholder, and the Metropolitan Water District of Southern California.
- *Spring Water Evaluation/Documentation, Perrier Group of America:* Mr. Sheahan has been involved in documenting and developing spring water sources under the 1995 FDA Identity Rules for a major spring-water bottling client. This work involved interpretation of state and federal regulations and guidelines, assessment of the hydraulic connection of spring-water harvesting facilities, geochemical studies, and conceptual design of collection, transport, and loading facilities. In this work, Mr. Sheahan interacted with the client's in-house and outside counsel, the client's spring resource managers, and with state and federal regulatory agencies. Studies included characterization of springs and associated extraction facilities, evaluations of geochemical data for comparison of waters, testing for hydraulic connection between facilities, and preparation of reports for submittal to state and federal agencies, and others. Prepared conceptual designs for spring-water collection facilities, pipelines, and loading stations, and assessed the appropriate means for development of spring sources. Assisted in meetings with regulatory agencies concerning approval of sources as springs in accordance with the state and federal regulations. (See Selected Publications, 1993a.)
- *Conjunctive-Use Study, City of Santa Cruz, California:* Conducted a conjunctive-use study of the lower San Lorenzo River Groundwater Basin to develop additional groundwater supplies for municipal use through recharge and underground storage of surplus surface water. Analyses of aquifer-test data indicated that extraction from wells could induce infiltration of surface water from the San

Lorenzo River that would otherwise be lost to the ocean. Alternative projects included off-stream and in-stream percolation facilities, river diversion structures, and additional well fields for extracting groundwater and controlling infiltration and groundwater storage.

- *Water Studies, City of Morro Bay, California:* Performed a series of studies for the water-short community of Morro Bay to aid in short-term and intermediate-term improvements to the municipal water supply. Assessed the subsurface outflow in the Torro Creek area, and performed test drilling and aquifer testing. The results of these studies disclosed substantial groundwater being lost to the ocean. Assisted the City in filing a water-rights application to appropriate unused water, and developed programs for well-field installation to induce infiltration of surface water. Evaluated potential recharge sites to augment availability of groundwater. Designed and implemented well rehabilitation and water treatment systems for wells with high manganese concentrations.
- *Groundwater Basin Management Plan, San Luis Obispo County, Los Osos, California:* Prepared a Groundwater Basin Management Plan for the Los Osos-Baywood park area of San Luis Obispo County. Included an evaluation of safe yield and recommendations for resource development. Also prepared a Water Quality Management Plan for this area that included an evaluation of water-quality impacts from on-site wastewater disposal systems, and provided solutions to the high-nitrate problem in the aquifer systems.
- *EIR Review, Tulare County, Visalia, California:* Served as technical consultant to the Tulare County Resource Management Agency in reviewing environmental impact reports and related documents regarding a proposed rock, sand, and gravel mining operation. The focus of review activities was on the hydrogeologic, water quality, and groundwater-modeling efforts required. These services included preparation of technical memoranda of review, interacting with County staff and consultants to the applicant, and presentations to the Tulare County Board of Supervisors concerning the hydrogeologic aspects of the proposed project.
- *Groundwater Recharge Assessment, Water Replenishment District of Southern California, Palos Verdes, California:* Conducted a series of studies for the Water Replenishment District to assess the potential for providing groundwater recharge to the West Coast Groundwater Basin. The focus of the studies was on an existing gravel pit formerly used for rock, sand, and gravel mining. The studies involved drilling and testing of groundwater aquifer characteristics, geochemical analyses of groundwater, assessment of impacts from an associated inert landfill, fault studies, and computer modeling of the potential recharge program. In addition, an assessment was made of the potential for, and feasibility of, using various water sources as recharge water. Sources included storm water runoff, reclaimed water, and surplus Colorado River water from the Metropolitan Water District.

LITIGATION SUPPORT AND EXPERT WITNESS SERVICES

- *Expert Witness/Litigation Support, Various Attorneys:* Mr. Sheahan is called upon occasionally to provide litigation support to attorneys in a wide variety of matters from water rights to contamination assessments. He serves as expert witness in his areas of specialization, has served

as court-appointed expert, and assists in evaluating technical issues consistent with legal strategies. In addition, Mr. Sheahan assists clients and their attorneys in financial allocation of remediation costs among contributing parties. For this purpose, he has developed computer-based groundwater flow and transport models, as well as other technically based methods. He also provides public relations and administrative process support services for attorneys and clients in forums ranging from small community meetings to large, multiple-agency hearings. As technical consultant, Mr. Sheahan has been effective at assisting clients in pursuing matters through administrative processes. (See Selected Publications, 1993b.)

- *Expert Witness Services, Farella, Braun and Martel, San Francisco, California:* Designated as expert witness hydrogeologist for spring-water bottling company, defendant in a class-action suit. The suit alleged, in part, that the sources of water used for spring water bottling did not meet the 1995 FDA Rules for Identity of *spring water*. Performed an independent evaluation of multiple sources in northern and southern California, reviewed reports prepared by other consultants and by public agencies, and made an assessment of the history and nature of the sources. Prepared an expert report for use at trial that presented opinions and bases for opinions. Reviewed and assessed reports from opposing expert, and explained discrepancies to attorneys. This matter settled prior to going to trial.
- *Court-Appointed Technical Expert, Superior Court of Los Angeles County, Los Angeles, California:* Served as court appointed expert to review technical cases presented by four parties to litigation concerning remediation of a contaminated property in Southern California. Assess reports prepared by multiple consultants, county agencies, and state agencies to advise the court on the occurrence of contamination and the remediation of the site. Prepared a detailed expert report presenting the results of the assessment for incorporation into the court record. The matter was settled at trial.
- *Litigation Support and Expert Witness Services, Hanna & Morton, Los Angeles, California:* Engaged by attorney for United Technologies Corporation, Carrier Division, to provide litigation support and expert witness services for its lawsuit against a degreaser manufacturer. Conducted independent investigations and assessments of the site, determined the causes of soil and groundwater contamination, calculated the time of contamination, used analytical modeling techniques to demonstrate that the contaminated groundwater was effectively captured by the remediation system, and prepared multiple expert reports regarding various aspects of the matter. Appeared for several depositions by opposing counsel, and assisted client counsel during depositions of opposing experts. Provided testimony in court as to opinions and bases for opinions.
- *Litigation Support and Expert Witness Services, Kirkpatrick & Lockhart, Pittsburgh, Pennsylvania:* Served as expert witness and litigation support consultant for various cost recovery litigation matters for United Technologies Corporation for sites in the City of Industry CA, Collierville TN, and West Palm Beach FL. Reviewed reports and documents prepared by others to develop a detailed understanding of site conditions. Prepared multiple expert reports and was deposed multiple times. Reviewed expert reports prepared by opposing experts, provided technical assessment of discrepancies in opposing reports, and assisted counsel during depositions of opposing experts.

- *Multi-Site Cost-Recovery Litigation, Atlantic Richfield Company, Los Angeles, California:* Provided litigation-support services to a major oil company, through their attorneys, on cases seeking cost recovery from insurance companies for environmental damages. Sites included waste-disposal facilities, mining, refineries, service stations, manufacturing facilities, and smelting operations. Services provided included: document identification, acquisition, indexing and review; consultation with attorneys in case planning and issue identification; aerial-photo interpretation; time-of-occurrence calculations; and estimating time and cost of groundwater cleanup. Other activities included managing of multiple technical teams; providing site-specific consultation; assistance at depositions of opposing experts; preparation of graphic evidence exhibits; and expert-witness services. This matter settled prior to trial.
- *Litigation Support, City of Stewartville, Minnesota:* Provided litigation support services to attorneys representing the City of Stewartville in its suit against the City's design engineer for breach of contract in connection with design and construction of a new municipal well. Evaluated well design criteria, construction techniques, and well development methods leading to the sand-pumping problem, and assisted the City's attorney in obtaining a favorable settlement.
- *Risk Assessments, Phaostron, Azusa, California:* Assisted the attorney for an industrial client with a facility located within the San Gabriel Valley Superfund site in assessing and minimizing liability. Conducted a series of risk assessments, using existing data that allowed a recommendation of *No Further Action* to the local enforcement agency, the Los Angeles Regional Water Quality Control Board. Prepared a financial allocation for nineteen PRPs based on existing site-related data, and assisted the client's outside counsel in negotiations to achieve settlement in the client's best interest.
- *Expert Testimony, Casmalia Resources, Santa Maria, California:* Conducted hydrogeologic evaluation studies of the groundwater flow and chemical transport conditions at an existing Class-I hazardous waste disposal facility. Testified before a panel of California Department of Health Services experts on the issue of groundwater protection at Casmalia Resources. This facility, one of the last two Class-I facilities in California at the time, was alleged to be a significant and imminent health hazard to the community. Evaluations of the groundwater monitoring data and data anomalies were used to support opinions concerning migration of contaminants off site through groundwater.

WELL HYDRAULICS AND DESIGN SERVICES

- *Well Design/Construction, Wildflower Energy Company, Palm Springs, California:* Designed and constructed a deep well/pump system for groundwater production to meet the needs of the newly constructed power plant. Water system included instrumentation and controls for off-site monitoring, and a hydropneumatic tank for balancing water pressures in the plant system. Performed analytical modeling of the groundwater basin to assess impacts of pumping on other wells in the area, and assisted the client in obtaining approval of the plant from the California Energy Commission.
- *Well Assessment, Southern California Water Company, Los Angeles, California:* As principal hydrogeologist, Mr. Sheahan evaluated the life expectancy of the client's water wells, assessed the relative efficiency

of numerous wells, determined well-rehabilitation needs and effectiveness, and developed a plan for well maintenance. The overall assessment program was computerized into a Well Optimization Program, including a database of well data and programs for determining when to repair/rehabilitate/replace wells and pumps. (See Selected Publications, 1996.)

- *Well Field Investigation, City of Seattle, Washington:* Conducted an investigation of the Cedar River Groundwater Basin for development of a 90-mgd well field. Studies of the 250 foot-thick aquifer system included geophysical investigations with refraction and reflection seismic methods, electrical resistivity profiling, test drilling, aquifer testing, and hydrogeochemical analyses. The work addressed water-rights issues, hydrologic budget, well-field design criteria, project cost estimates, and a proposed implementation program.
- *Aquifer Evaluation, City of Santa Barbara, California:* Performed aquifer evaluation and computer flow modeling of the Santa Barbara Groundwater Basin. Developed a finite-difference model for use in evaluating the potential for seawater intrusion under various pumping scenarios. Designed improvements to the municipal groundwater supply system including two new wells, pumps, piping, and a water treatment plant for removal of iron and manganese.
- *Groundwater Well Supply Design, City of Othello, Washington:* Designed and constructed a deep, multi-zone, basalt groundwater supply well and performed testing and evaluation of other city wells and pumps. Recommended and implemented well rehabilitation to improve well efficiency and increase production.
- *Groundwater Supply Well Review, City of Mountain View, California:* Provided assistance in reviewing operational history of a large groundwater supply well to determine the optimum means for rehabilitation. Provided an assessment of the nature and causes of reduced production and efficiency, and for sand pumping conditions, screen corrosion, and encrustation of well/pump components. Prepared specifications for implementation of a rehabilitation program to return the well and pump to optimum performance.
- *Seawater Intrusion Barrier Design, Santa Clara County Water District San Jose, California:* Conducted extensive groundwater basin and aquifer evaluation studies to define the criteria for design and installation of an injection-extraction barrier to restrict sea water intrusion. Provided expert witness services to the Santa Clara County Water District in eminent-domain proceedings. District was successful in acquiring property for construction of a salt-water intrusion barrier. (See Selected Publications, 1976)

ENVIRONMENTAL CONTAMINATION ASSESSMENT SERVICES

- *Superfund Site Investigation, Aeroquip Corporation, Burbank, California:* Provided consultation to an aerospace manufacturing company concerning its site in the San Fernando Superfund area. Evaluated soil-matrix, soil-vapor, and groundwater conditions, and prepared an assessment of the site supporting the opinion that the site activities had not contributed to groundwater

contamination in the area. Assisted the client and outside counsel in cost-allocation proceedings with other PRPs to an acceptable resolution.

- *Superfund Site Data Interpretation, Stainless Steel Products, San Fernando Valley, California:* At a metals-forming facility located in the Burbank Operable Unit of the North Hollywood National Priorities List site (Superfund), took over interpretation of site subsurface data from another consultant to provide site and soil-groundwater contamination characterization in a politically and geologically complex environment. Evaluated groundwater chemical data to define the off-site sources of groundwater contamination beneath the site. Prepared a computer-animated, video presentation of the hydrogeologic characteristics in the vicinity of the site for use in communicating with state and federal regulatory agencies, other PRPs, and special interest groups, and assisted in resolving financial allocation issues among the other PRPs in the Operable Unit.
- *Remedial Investigation/Feasibility Study, Intel Corporation, Mountain View, California:* Prepared an extensive remedial investigation and feasibility study at the Middlefield-Ellis Superfund site. Prepared a computer-based cost-allocation system for financial allocation of capital costs, operating costs, and maintenance costs among 52 sources from multiple potentially responsible parties.
- *Remedial Action Plan, Space Ordnance Systems, Canyon Country, California:* Conducted a site investigation and prepared a remedial action plan for clean up of trichloroethene-contaminated soil and groundwater at two pyrotechnics manufacturing facilities. Remediation included an injection-drain groundwater barrier, extraction wells, granular-activated-carbon treatment facilities, percolation ponds, and soil excavation and disposal plans. Provided expert witness services to the client's attorneys in defending against environmental suits.
- *Groundwater Monitoring, Basalt Waste Isolation Project, Richland, Washington:* Devised a groundwater monitoring strategy for the Basalt Waste Isolation Project, a geologic repository for radioactive waste. Provided direction to other consultants in modeling of long-term contaminant transport of groundwater containing radioactive waste. (See Selected Publications, 1982)
- *Groundwater Investigation, Lockheed Corporation, Redlands, California:* Investigated groundwater conditions in the Crafton-Redlands area, San Bernardino County, California, including evaluation of sources of dibromochloropropane and trichloroethene in the Bunker Hill Groundwater Basin. Performed inverse contaminant-transport modeling of alternative scenarios to assess likely locations of initial contamination. Results of this study allowed regulators to focus state Superfund activities on the more-likely sites, and to eliminate other suspected areas from further concern.
- *Geochemical Investigation, Clark County Sanitation District, Las Vegas, Nevada:* Conducted geochemical investigations of shallow aquifers to evaluate infiltration conditions of an existing sanitary wastewater collection system for the purpose of providing input to the design of flow-system modifications. Measured changes in inorganic chemistry at multiple locations within the collection system and correlated increases in sulfate and other compounds with shallow groundwater chemistry to delineate the portions of the collection system with infiltrating groundwater.

- *Groundwater Investigation, Clark County Sanitation District, Mount Charleston, Nevada:* Prepared a groundwater investigation and waste-management plan involving flow in fractured rock, movement of contaminants in the vadose zone, and fate and transport of soluble waste materials from septic tanks and leach fields in this mountain community. Provided recommendations for managing wastewater to improve groundwater quality.
- *BTEX Evaluation, American Honda Motor Company, Torrance, California:* Performed various hydrogeologic and geochemical assessments of the groundwater system beneath the Honda facility. Identified the off-site source of the contamination, and assisted the client in avoiding liability for cleanup. Evaluated the extent of BTXE contamination in groundwater caused by spills at an upgradient refinery.
- *Remedial Investigation/Feasibility Study, Intel Corporation, San Francisco, California:* Provided consulting services to attorneys representing a major semiconductor manufacturer in the San Francisco Bay area, in connection with the Middlefield-Ellis-Whisman Superfund (MEWS) site. Studies included evaluation of organic solvent contaminants in soil and groundwater and delineation of contaminant plumes in a complex hydrogeologic environment. Performed computer modeling, water quality assessments, soil borings, monitor well construction, and aquifer testing, and developed other site information.

ENGINEERING GEOLOGY SERVICES

- *Dewatering Assessment, Walt Disney Imagineering, Burbank, California:* Performed a series of assessments of an on-going dewatering operation at the site of a new, multi-story building to determine if discharge water could be safely recharged to the groundwater basin. Studies included MODFLOW modeling of the groundwater basin in the vicinity of the site. Results of studies showed that recharge was technically feasible, and would save considerable cost being incurred due to surface water disposal fees.
- *Titan II Missile Project, U.S. Army Corps of Engineers, Tucson, Arizona:* Served as engineering geologist for the Titan II Missile Project, which involved assessing deep-hole construction in fractured rock, developing groundwater supplies, and constructing underground facilities. Mapped bedrock geology in missile silos during construction to provide documentation for use in defending against construction claims. Provided construction quality assurance for engineered fill emplacement and other construction activities.
- *Site Evaluation, Southern California Edison, El Centro, California:* Evaluated multiple sites in Imperial County, California, to select an optimum location for a proposed geothermal waste disposal site. Geophysical surveys, test drilling, and monitoring well construction were employed, along with geologic mapping, to establish the database needed for site evaluation. Site selection criteria were defined, and each site was rigorously evaluated against the criteria to provide a site-ranking matrix from which the optimum site could be selected.

- *Trenching and Soil Dating, Los Angeles County Department of Public Works, Sylmar, California:* As part of a team of engineering geologists and soil scientists, conducted trenching at the site of a planned water filtration plant to evaluate fault characteristics. Mapped geologic structures in the trenches, identified fault traces, and assisted in age-dating the faults. The results of the study showed that the faults were Holocene in age, and this information was further considered in evaluating the risks for construction of the water treatment facility. (See Selected Publication, 1984.)
- *Soils and Foundation Studies, Various Clients, Kansas City, Missouri:* As project engineering geologist, performed soil and rock drilling, coring, and sampling for geotechnical evaluation purposes. Described soils in the field using the Unified Soil Classification System, and preserved samples for laboratory testing. As laboratory technician, conducted multiple tests of soil and rock samples including unconfined compression tests, Atterberg limits, consolidometer tests, triaxial compression tests, Procter tests, dry density, and moisture content. As field construction quality assurance inspector, performed construction management of engineered fill construction including field test for dry density and percent relative compaction.

AFFILIATIONS

Association of Engineering Geologists
 American Institute of Professional Geologists
 National Ground Water Association
 California Groundwater Association
 Inland Geological Society
 California State Bar Association

PUBLICATIONS

Sheahan, N.T.*, and J. Minneci. Optimizing Water Well Productivity and Operating Costs. *WATER/Engineering & Management*, a Publication of Scranton Gillette Communications, Inc., May, 1996. (* Principal Author.)

Sheahan, N.T. The Environmental Consultant: A Toolbox for the Attorney. *The Professional Geologist*, a Publication of the American Institute of Professional Geologists, Volume 30, Number 10, September, 1993b.

Sheahan, N.T.*, and J.G. Zukin. Developing Spring Water Under the Proposed FDA Rules. *The Professional Geologist*, a Publication of the American Institute of Professional Geologists, Volume 30, Number 8, July, 1993a. (* Principal Author.)

Sheahan, N.T., Spellman, H.R.*, Shlemon R.J., Stellar J.R., and Mayeda, S.H. Trenching and Soil Dating of Holocene Faulting for a Water Filtration Plant Site, Sylmar, California. *Bulletin of the Association of Engineering Geologists*, Vol. XXI, No. 1, February, 1984. (* Principal Author.)

Sheahan, N.T., Leonhart, L.S.*, DeLuca, F.A., and West, L.M. Devising a Groundwater Monitoring Strategy for a Geologic Repository for Radioactive Waste. *Ground Water Monitoring Review*, Technical Division, NGWA, 1982. (* Principal Author.)

Sheahan, N.T. Legal Liability Associated with Reclamation. *Proceedings*, Ground Water Pollution and the U.S. Judiciary System, Fifth National Groundwater Quality Symposium, U.S. Environmental Protection Agency, *Ground Water*, Journal Technical Division, NGWA, 1980.

Sheahan, N.T. Injection/Extraction Well System -- A Unique Seawater-Intrusion Barrier. *Proceedings*, Third National Groundwater Quality Symposium, U.S. Environmental Protection Agency, *Ground Water*, Journal Technical Division, NGWA, 1976.

Sheahan, N.T. The Value of Hole Caliper in Groundwater Exploration and Well Construction. *Proceedings*, American Water Works Association, Proceedings of Annual Meeting, Michigan Section, 1972.

Sheahan, N.T. Type-Curve Solution of Step-Drawdown Test. *Ground Water*, Journal Technical Division, NGWA, 1971.

Sheahan, N.T. A Non-Graphical Method of Determining u and $W(u)$. *Ground Water*, Journal Technical Division, NGWA, 1967.

Sheahan, N.T. Determining Transmissibility from Cyclic Discharge. *Ground Water*, Journal Technical Division, NGWA, 1966.