

**APPLICATION FOR
COUNTY OF EL DORADO
BOARD, COMMISSION, OR COMMITTEE**

Return to: Clerk of the Board of Supervisors
County Government Center
330 Fair Lane, Placerville, CA 95667
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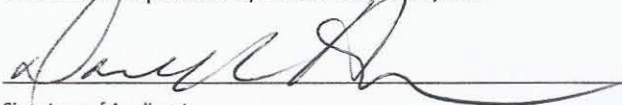
DATE RECEIVED

Copy to Supervisor - District _____

INSTRUCTIONS: Please complete each item below. Be sure to enter the title of the Board, Commission, or Committee (only one per application please) for which you desire consideration. For more complete information or assistance contact the Clerk of the Board of Supervisors' Office. This application shall be maintained for a period of one year only. After one year it is necessary to file a new application for another year of eligibility. Please print in ink or type.

1. Board/Commission Applying for: Tahoe Resource Conservation District	2. Today's Date: 9/28/16
3. Name: Hughes Danielle Leigh <small>Last First Middle</small>	4. E-Mail Address: _____
5. Address: <small>Number Street</small> Carnelian Bay, CA 96140 <small>City Zip Code</small>	6. Telephone: <small>Home</small> _____ <small>Business</small> _____
7. Occupation/Title: Associate Hydrologist and Project Manager	Employer: AECOM
8. List all County board, commissions or committees of which you are now or have been a member. Indicate dates of service. none	
9. Summary of qualifications related to group(s) listed above. (What experience or special knowledge do you bring to your area of interest?) I have managed and played technical roles on a variety of conservation projects in the Tahoe Basin for 12 years. My focus is in restoration, recreation, transportation forestry, stormwater and other water quality projects.	
10. Affiliations with professional and/or community groups: International Association of Hydrologic Sciences; American Geophysical Union; California Society for Ecological Restoration; Upper Truckee River Watershed Advisory Group	
11. Why do you seek appointment? The RCD has evolved into one of the most efficient and effective entities int the Basin and is not afraid to think out side of the box and look at new an innovative approaches to important initiatives. As a board member I think I can add to those creative solutions.	
12. Additional Information: Give any information explaining your qualifications, experience, training, education, volunteer activities, community organization memberships, or personal interests that bear on your application for above Board, Commission, or Committee. Attach additional sheets as necessary. Please see the attached resume.	
13. Indicate Supervisor who will receive a copy of this application:	

Appointees to Boards, Commissions or Committees are not considered to be County employees for purposes of benefits, such as Workers Compensation, health insurance, etc.


Signature of Applicant

SIGN HERE

9/28/16
Date

Danielle Hughes, CPESC, QSD, QSP Hydrologist/Geologist

Education

M.S., Geology, University of Montana, 2004
B.S., Geology, University of Montana, 2003

Registrations and Certifications

Certified Professional in Erosion and Sediment Control (CPESC) Certification 7598
Qualified SWPPP Practitioner (QSP) and/or Qualified SWPPP Developer (QSD) Certificate 24632
California Department of Transportation SWPPP Certification
40-hour HAZWOPER Certification
8-hour HAZWOPER Supervisor Certification

Trainings

Geomorphic and Ecological Fundamentals for River and Stream Restoration
Water Sensitive Urban Design
USACE Stream Bio-Engineering Workshop
Sustainable River Restoration and Biotechnical Bank Stabilization

Publications + Technical Papers

Hughes, D., 2004. Trace Metals in Sediments of a Mine Impacted River Basin: Clear Creek, California. California Society for Ecological Restoration 2004 Tahoe Conference. Kings Beach, California.
Moore, J. N., and D. Hughes. 2003. Trace Metals in Sediments of a Mine Impacted River Basin: Clear Creek, California Project. Prepared for The National Park Service, Final Technical Report and Investigator Annual Report, number 26197.
Hughes, D., 2002. Comparison of Major and Trace Elements Before and After Remediation, Silver Bow Creek, Montana. Geological Society of America Rocky Mountain Section 55th Annual Meeting, Durango, Colorado, #13-12.

Affiliations

International Association of Hydrologic Sciences
American Geophysical Union
California Society for Ecological Restoration
Upper Truckee River Watershed Advisory Group

Honors + Awards

2011 AECOM Make A Difference Award
2009 EDWA/AECOM Make A Difference Award
2001 Geology Alumni Scholarship
2002 Ronald E. McNair Postbaccalaureate Scholarship
2002 National Science Foundation EpsCor Research Grant

Volunteer Work

CASA- Court Appointed Special Advocate for Children
Fire Adapted Communities leader

Professional History

2004 – 2007 Tetra Tech
2007 – IERS
2007 – Present AECOM
Hydrologist/Geologist

Career Start: 2003

Danielle Hughes is a project manager and hydrologist providing environmental services for projects and programs that span local and regional infrastructure improvements, general planning processes, site-specific development, and ecosystem restoration. Ms. Hughes is accomplished at environmental compliance pursuant to National Environmental Policy Act (NEPA), California Environmental Quality Act (CEQA), and Tahoe Regional Planning Agency (TRPA) regulations. She specializes in providing technical and regulatory guidance, construction oversight, regulatory permit planning. She has managed and conducted Phase I and Phase II environmental assessments; soil, soil vapor, groundwater, and surface water investigations; environmental impact analysis; wetland mitigation and compliance oversight, National Pollutant Discharge Elimination System (NPDES) stormwater monitoring and development of large scale stormwater monitoring programs, as well as oversight of erosion control, fuels management, and air emissions evaluations. Ms. Hughes has managed and played a technical role in large EIRs, EISs, IS/MNDs, and EAs for various public agencies and private entities, working in collaboration with US Forest Service, Tahoe Regional Planning Agency, the California Tahoe Conservancy, California State Parks, Bureau of Reclamation, and others. Tasks commonly include technical editing and writing and leading or participating in public/agency presentations and meetings for controversial projects. She is adept with projects of varied spatial scales, technical complexity, and regulatory settings.

Project Experience

US Forest Service, Lake Tahoe Basin Management Unit, Conceptual Program Plan for Sustainable Recreation Management at Lake Tahoe's South Shore, El Dorado County, California. Project Assistant for a team of specialists to develop a program of facility and infrastructure investment to support sustainable recreation opportunities over a 20- to 30-year planning horizon for the South Shore Corridor. The program includes a discussion of sustainable recreation goals and measures of success, capital investment themes, as well

as corridor-wide and site-specific opportunities and constraints, including long-term facility and infrastructure investments, natural resource enhancements, and economic activities. The program also includes a Decision-Assistance Model that provides a cost effective, simple way to evaluate capital investment decision-making on a consistent basis.

Sacramento Area Flood Control Agency, Levee Accreditation Project, Sacramento North Sacramento Streams, Sacramento River East Levee, Lower American River, and Related Flood Improvements Project, Sacramento County, CA. Environmental Planner/hydrologist/geologist who reviewed the hydrology, water quality, flooding, and geomorphology for the Levee Accreditation EIR.

Tahoe Transportation District, SR 89/Fanny Bridge Project: Caltrans Environmental Technical Studies, Placer County, CA. Project manager/analyst for technical studies to evaluate the potential environmental impacts associated with the repair and/or replacement of Fanny Bridge and to construct a new four-lane bridge across the Truckee River and new road segments, two new roundabouts in Tahoe City. In compliance with the Caltrans Standard Environmental Reference the technical reports included: NES; Air Quality; Community Impact Assessment; Cultural Resources (Section 106) Reports; Noise Study Report; Phase I Initial Site Assessment; Section 4(f); Visual Impact Assessment; and Water Quality Assessment Report.

Tahoe Transportation District, Stateline to Stateline Bikeway and South Demonstration Project, Washoe and Douglas Counties, NV. Project Manager/Hydrologist/geologist for an opportunities and constraints report and feasibility study to site a bicycle trail along Lake Tahoe's East Shore. The absence of an East Shore bicycle facility is a key missing piece of the Tahoe Basin's bicycle network. The study area, from Stateline on the South Shore to Stateline at Crystal Bay on the North Shore, contains many challenges for siting a separated bicycle path: areas of rugged topography and stream crossings, potential for cross-country options between Glenbrook and Secret Harbor, tight highway cross sections, potential need for highway crossings, urban traffic issues in areas like Stateline, and the desire to connect to existing or planned bicycle facilities. The team was responsible for issues related to natural resources, scenic resources, environmental compliance, landscape design, cultural resources, and restoration ecology. The project included public involvement, interagency coordination, and GIS and Web applications.

Cultural and natural resource specialist reports, cheatgrass mapping, and recreation studies associated with the project construction were also prepared. The South Demonstration Bikeway has been constructed.

South Tahoe Public Utility District, Truckee Marsh Sewer Facilities Protection Project IS/MND, IEC and Permitting, El Dorado County, CA. Project Manager/technical writer for an IS/MND and IEC for a flood protection project for existing STPUD sewer facilities located along the northeast margin of the Upper Truckee Marsh. The project includes measures to encourage the reestablishment of Trout Creek flows in pre-existing channels located south of the District's facilities, toward the center of the marsh. As such, the project also includes an ancillary benefit resulting from the reestablishment of Trout Creek flows along its historical alignment and improvement of Stream Environment Zone (SEZ) habitat. USACE, RWQCB, DFW, and TRPA permits and associated studies including a wetland delineation, biological assessment, and SHPO consultation were also completed.

US Forest Service, LTBMU and Tahoe Transportation District Tahoe Summit Smart Parking Demonstration Project, Lake Tahoe NV. Project Manager for design and implementation of a Smart Parking demonstration program in partnership with Cisco Systems for the 2015 Annual Lake Tahoe Summit, an event jointly hosted by the governors of California and Nevada. Studies have shown that, on average, 30% of traffic congestion can be attributed to motorists "cruising for parking." In South Lake Tahoe, parking capacity is becoming increasingly limited with rising demand; particularly during peak seasons. This trend has resulted in an overall increase in traffic congestion in the region. The team developed a demonstration of technologies could be used to assist motorists in finding available parking, increase efficiencies in citation issuance, and provide agencies with data to inform demand-based pricing. The demonstration project included: installation of in-ground FastPRK sensors; installation and set-up of wireless network infrastructure; development of back-end administrative website for data storage; and retrieval with proposed dashboards; and development of mobile application for motorists. GPS and remote sensing were used to monitor event shuttles for off-site parking lots and provide attendees real-time data on shuttle arrival times.

NV Energy, Environmental Sampling for the Decommissioning Project at Frank A. Tracy Generating Plant in McCarran, NV. Project Manager providing environmental sampling of the presence of PCB containing

fluids, collecting soil samples around the perimeter of identified transformers for analysis for PCB-containing fluids, and sampling soils in the area of a fuel oil tank for the presence of BTEX, SVOCs, and RCRA metals. A letter report with the analytical sampling results was completed to support decommissioning. In addition, Ms. Hughes also managed subcontractors for the evaluation of underground utilities and the disposal of hazardous waste.

Forest Service Incline Meadow UAS Demonstration, Washoe County, NV. Project Coordinator for demonstration of Unmanned Aerial System capabilities to the USFS LTBMU at Incline Meadow. We coordinated with Tahoe National Forest and Forest Aviation Officer, to develop an Operations Plan to fly both a QuadCopter and Fixed Wing small UAS to demonstrate data collection capabilities, including hyper-spectral, multi-spectral, high definition photogrammetry, 3-D modelling, and high definition still imagery data collection. The operation plan was approved and the successful demonstrations highlighted AECOM's ability to deliver sUAS solutions to meet USFS data requirements.

US Coast Guard, Pier Project EA, Placer County, CA. Project coordinator/environmental analyst for the team providing environmental documents and related studies, including Tahoe yellow cress, littoral drift, bathymetric, topographic, shorezone scenic assessment, and fish habitat snorkeling surveys. An EA and IEC for compliance with NEPA and TRPA are currently being prepared. Water quality sampling and geotechnical coring were also completed to support the EA and associated permitting. This controversial project proposes either new dredging or extending the existing USCG station pier up to an additional 450 feet (existing pier is 300 feet long) to allow on-site mooring year-round to improve response time as required by USCG regulation. USCG is the only agency in the Tahoe Basin whose primary purpose is to provide emergency services on Lake Tahoe. The site is located partially in prime fish habitat on the north shore of Lake Tahoe. The project may require multiple Code of Ordinance amendments to be completed as part of the project. Ms. Hughes assisted in public outreach and held a public meeting as part of the scoping process. Ms. Hughes is assisting in preparing environmental documentation, snorkel surveys, lakebed core sampling and preparation of TRPA, USACE, and Lahontan RWQCB permit applications.

California Department of General Services, Real Estate Services Division/California Conservation Corps, California Conservation Corps, Tahoe Base Center

Relocation Project, El Dorado County, CA. Project Manager/Hydrologist who assisted in preparing environmental feasibility analysis for the relocation of the California Conservation Corps Tahoe Service Center. The previous location at Echo Summit presented issues related to inadequate space, facility structure, weather, and transportation. Environmental documents in the form of an IS/MND and IEC pursuant to CEQA and TRPA and supporting technical studies were also completed for the relocation of the California Conservation Corps Tahoe Base Center to a permanent location in Meyers, California.

The project included public outreach through the TRPA Governing Board and the Meyers Roundtable. Ms. Hughes assisted in preparation of TRPA and LRWQCB permit applications, which also included preparation of a SWPPP and Operation and Maintenance Plan. Ms. Hughes assisted DGS in construction BMP oversight and inspection of final revegetation in order to comply with permitting requirements. Swallow monitoring and deterrence recommendations, post-project water quality monitoring and training of California Conservation Corps staff in water quality and swallow deterrent monitoring was also completed. Bird surveys included coordination with California Department of Fish and Wildlife and US Fish and Wildlife Services. Ms. Hughes also completed an opportunities and constraints analysis for potential purchasing of a separate storage and maintenance facility located in Meyers. The assessment included an evaluation of commercial floor space, BMP requirements, and permitting of improvements.

California Department of General Services, Real Estate Services Division/California Tahoe Conservancy, Upper Truckee River and Marsh Restoration Project Planning and EIR/EIS/EIS, El Dorado County, CA. Project Manager for an interdisciplinary planning team of specialists and provided habitat restoration, wetland ecology, wildlife biology, landscape architecture, recreation planning, and public involvement services in developing the restoration plan and in evaluating potential impacts of the project. Ms. Hughes led the planning process, vegetation, wildlife, recreation access, and environmental review portions of the project. This reach of the river was moved in the 1800s from its prior historic meandering channel and placed in a straight constructed channel. The Conservancy considered a number of improvements, including reestablishment of natural river morphology, increased wetting of the floodplain meadow, management of public access, and improvements in trails and interpretive facilities in appropriate locations. The work included an extensive public involvement program and interagency coordination process, involving a Citizens Advisory Group and Agency Advisory Group. In

In addition, the Conservancy assembled a Science Advisory Team to assist in investigating key technical issues. Public and agency input was gathered during multiple design charrettes and other small group meetings. The team prepared design plans addressing revegetation, threatened and endangered species, wetland and riparian habitat restoration, wildlife management, and public access and recreation components. Following selection of the preferred concept plan, a joint NEPA/CEQA/TRPA environmental document was completed. The Preferred Alternative includes the most beneficial and cost-effective elements of the five alternatives evaluated in the Draft EIR/EIS/EIS. This alternative was also the most feasible, the most highly responsive to public comments, and the most resilient to the potential impacts of climate change. The project is expected to be constructed in 2018 with construction continuing for 4 years.

California Department of General Services, Real Estate Services Division/California Tahoe Conservancy, Blackwood Creek Stream Habitat Restoration Project IS/MND and Permitting, Lake Tahoe Basin, Placer County, CA. Project manager/hydrologist/geologist. Blackwood Creek restoration improved stream habitat, water quality, and channel stability. Ms. Hughes oversaw biological and cultural resources studies, public outreach, and recreation/public access inventories; assisted in development of restoration concepts and alternatives; and prepared environmental documents meeting CEQA and TRPA requirements. Key issues included hydrology, flooding, and water quality, biological resources, cultural resources, and cumulative effects. The document was the first to evaluate water quality impacts on beneficial uses with a focus on aesthetic beneficial uses instead of using turbidity standards to reach a conclusion of less than significant with mitigation. Danielle also assisted with preconstruction bird and bat surveys and fish rescue. The project received a 2014 Best in the Basin award.

California Department of General Services, Real Estate Services Division/California Tahoe Conservancy, Tahoe Soil Erosion Control Program Environmental Documents and Related Studies Retainer Contract, Tahoe Basin, Placer and El Dorado Counties, CA. Project Manager/environmental analyst for the team that provided environmental documents and related studies for soil erosion control projects throughout the California portion of the Tahoe Basin as part of the California Tahoe Conservancy's Soil Erosion Control Program. The Conservancy worked with the team to pursue a progressive design approach intended to lead to basinwide standards and criteria for erosion control projects.

California Tahoe Conservancy and California Department of General Services, Real Estate Services Division, Forest Habitat Enhancement Program, El Dorado and Placer Counties, CA. Under contract to DGS, AECOM assisted the California Tahoe Conservancy in developing and implementing a forest habitat enhancement program for Conservancy-owned properties in the Tahoe Basin. The general objectives of the program were to enhance wildlife habitat and protect stream environment zones, while also reducing fuel load and fire risk. Tasks included program definition, wildlife and cultural resource surveys, and feasibility studies of parcels for potential management actions. The program included the initial program definition, scientific review workshops, and pilot field studies. Additionally resource assessments for the following technical areas were completed: hydrology/water quality, soils, vegetation and wildlife biology, cultural resources, recreation, and forestry and fire safety (based on analysis of CDF inventory data and fire effects modeling); and preparation of an opportunities and constraints analysis in preparation for a future TRPA IEC and CEQA compliance. Based on the results of the opportunities and constraints analysis, concepts for restoration and enhancement of the Griff Creek project site were developed.

City of South Lake Tahoe, Ski Run to El Dorado Beach Bike Trail, El Dorado County, CA. Hydrologist/geologist for this joint CEQA/TRPA IS/MND for proposed construction of a Class I bike path along US Highway 50 between Ski Run Boulevard and El Dorado Beach. The project was part of master plan services for the routing of the bicycle path and worked with community stakeholders to define the path and affiliated open space/urban design improvements. The project entailed approximately 4,000 linear feet of bike trail adjacent to US Highway 50 and required close coordination with Caltrans and adherence to the TRPA and City of South Lake Tahoe Code of Ordinances and Rules of Procedure.

California Department of Parks and Recreation, Sierra District, Upper Truckee River Restoration and Golf Course Reconfiguration Project EIR/EIS/EIS, El Dorado County, CA. Project manager/geologist for this proposed restoration project along the reach of the Upper Truckee River in Washoe Meadows State Park and Lake Valley State Recreation Area in South Lake Tahoe. Ms. Hughes managed the joint EIR/EIS/EIS to meet CEQA, NEPA, and TRPA requirements. The purpose was to restore the river's natural geomorphic processes, planform, and profile and reduce its discharge of suspended sediment to Lake Tahoe. The project would require relocation

of several of the golf course holes to reduce the area of SEZ occupied by the golf course and allow for establishment of a buffer area between the golf course and the river. Key environmental issues addressed included hydrology, geomorphology, water quality, biological resources, cultural resources, recreation, land use, and scenic resources.

California Department of Parks and Recreation, California Indian Heritage Center General Plan and EIR, Yolo County, CA. Hydrologist who completed a stage gauge analysis to evaluate the frequency with which the river stage could exceed that necessary to result in fish entrapment in the existing pond adjacent to the Sacramento River.

California Department of Parks and Recreation, OHMVR Division, Prairie City State Vehicular Recreation Area General Plan and EIR, Sacramento County, CA. Hydrologist/analyst for the General Plan and EIR for the Prairie City State Vehicular Recreation Area (SVRA). The Plan was informed by an extensive suitability analysis that considers various on-site environmental constraints, as well as opportunities to expand recreational opportunities in newly programmed areas. Some of the key issues for the Plan and EIR include planning for newly acquired property that is now a part of the SVRA, historic uses of properties in the area and associated hazardous materials, special event circulation, incorporation of new recreation trends, provision of recreational resources for traditional and non-traditional OHV use, protection of cultural and biological resources, opportunities for education and interpretation, air quality, and water quality. Ms. Hughes, evaluated effects of historical uses of the property, including gold mining and Aerojet uses and the potential for inhalation and water quality impacts.

California State Parks, Off Highway Motor Vehicle Recreation Division, Carnegie State Vehicular Recreation Area General Plan and EIR, Alameda and San Joaquin Counties, CA. Hydrologist for the preparation of the general plan revision and EIR. The general plan determines the vision, purpose, and goals and guidelines for future park management. It fully incorporates 4,400 acres of additional park lands to the 1,500-acre existing SVRA. Major planning issues addressed include incorporation of new recreation trends; provision of recreational resources for traditional and nontraditional OHV use; protection of cultural, biological, and aesthetic resources; opportunities for education and interpretation; and issues related to air quality and water quality.

Tahoe Regional Planning Agency and Placer County, Tahoe Vista Partners LLC Affordable Housing and Interval Ownership Development Project EIR/EA, Placer County, CA. Hydrologist for the EIR/EA analyzing proposed construction of a combination resort and affordable housing community in Tahoe Vista on a site occupied by a campground and RV park. The project would remove the campground and redevelop the site with tourist accommodation (timeshare) units, a clubhouse/administration building, affordable residential/employee housing, and commercial building space. Environmental issues addressed were loss of a privately owned campground/RV park and associated recreational capacity; scenic impacts; noise; water quality; the effect on buildings of potential historic value; land use impacts related to subdivision of the property, change of use, and consistency with the community plan; and cumulative development.

Caltrans Districts 1, 2, 3 On-Call Services, Blue Lake Sink Water Quality Monitoring and Reporting, Humboldt County, CA. Task Order Manager/Hydrologist leading field work for water quality monitoring and reporting for the Blue Lake Slide Stabilization Project. Reports satisfy conditions contained in the Compliance Plan submitted to the North Coast Regional Water Quality Control Board to satisfy requirements of the Section 401 Water Quality Certification.

Caltrans Districts 1, 2, 3 On-Call Services, Various Water Quality Assessment Reports, Mendocino, Humboldt, and Del Norte Counties, CA. Task Order Manager/Hydrologist leading field work and preparation of 31 Water Quality Assessment Reports for projects of varying sizes to support CEQA findings and to provide information, to the extent possible, for National Pollutant Discharge Elimination System (NPDES) permit compliance.

US Army Corps of Engineers, Third and Incline Creek Water Quality Improvement Project, Washoe County, NV. Project manager/hydrologist for a workplan prepared for planning, design, and implementation of erosion control and water quality projects along Third and Incline Creeks, within the Tahoe Basin. The project involved reviewing watershed and geomorphic assessments and alternative evaluations.

US Army Corps of Engineers, Ward Creek Restoration and Erosion Control Project Prioritization, Placer County, CA. Project manager/hydrologist who evaluated and prioritized restoration and erosion control projects proposed in the California Tahoe Conservancy's Ward Creek opportunities and constraints document.

US Army Corps of Engineers, Edgewood Creek Water Quality Improvement Project, Douglas County, NV. Project manager/ hydrologist for a workplan prepared for planning, design, and implement an erosion control and water quality project along Edgewood Creek. The project included review of watershed and geomorphic assessments and an alternatives evaluation to assist in selection of the most effective project.

Sierra Boat, Underground Tank Closure Project, Placer County, CA. Geologist who coordinated an underground storage tank closure project located within the ordinary high-water mark of Lake Tahoe. Tasks included evaluating groundwater monitoring and treatment data, and performing modeling exercises to demonstrate residual benzene and hydrocarbon concentrations in groundwater would not affect Lake Tahoe.

East West Partners and Booth Creek, Northstar Development Oversight and Martis Creek Wetland Mitigation, Placer County CA. Ms. Hughes, as Project Manager/Hydrologist, developed, implemented, and reported on construction related stormwater monitoring program as required by LRWQCB. Tasks included training 100+ staff on sampling protocol, and coordinating a basinwide cumulative development affects monitoring program with multiple public agencies, developers, and consultants. She provided wetland design consultation to project engineers, layout and construction supervision including the harvest and stockpile of topsoil, layout, excavation, and finish grading of wetlands, distribution of wetland topsoil and plantings, and revegetation of haul routes and other areas disturbed by construction activities.

GMB, Venetian Project, Alameda County, CA. Hydrogeologist for a comprehensive groundwater investigation that involved establishing aquifer characteristics based on aquifer testing, logging 14 borings, and installing numerous temporary wells within public right-of-way. Evaluation of potential vapor intrusion of volatile organic compounds into indoor air and influence of subsurface utilities on groundwater migration patterns was also evaluated.

Classic Communities, Lucky U Motel Redevelopment Project, Santa Clara County, CA. Geologist who supported an application for a high-density townhome redevelopment project. Ms. Hughes evaluated the potential contaminant vapor intrusion from groundwater into indoor air. The application was approved with conditions for mitigating potential vapor intrusion

into indoor air based on recommendations and negotiation with planning staff and EPA.

US EPA, Hurricane Katrina Emergency Response, Orleans Parish, LA. Sampling Team Manager/Hydrologist in Hurricane Katrina and Hurricane Rita relief efforts in southern Louisiana for the US EPA START Program. Work included consulting with EPA on-scene coordinators and related federal emergency response officials, planning daily sampling operations, and managing 100+ staff members on a daily basis. Ms. Hughes collected samples of sediment, floodwaters, surface waters, influent waters at emergency pump stations, and ambient air. Samples were collected under tense field conditions that required armed escort. Results were used to evaluate potential environmental and human health hazards. Work also included initial search and rescue efforts.

Sonoma County Permit and Resource Management Department, Syar In-Stream Aggregate Mining and Aggregate Resource Management Plan Amendment EIR, Sonoma County, CA. Hydrologist for the EIR. The project entails commercial mining of sand and gravel from gravel bars along the aggrading Russian River and proposes riparian habitat restoration. An adaptive management plan that assesses the form of the bars in relation to channel parameters at the start of the annual mining period will guide the decision on seasonal mining locations. The EIR evaluates the proposed operation and addresses the effects of an adaptive management operation that anticipates certain outcomes on an annual basis as well as longer term and cumulative effects. Key issues include sediment replenishment to the mined gravel bars and the resulting effects on river channel morphology. Effects on habitat were assessed including water quality, vegetation fisheries, and other aquatic resources.

City of West Sacramento, Port of West Sacramento Metal Recycling Facility EIS/EIR, Yolo County, CA.

Hydrologist/Geologist for a joint EIR/EIS for a proposed scrap metal shredding and recycling facility at the Port of West Sacramento. Project issues included potential impacts on nearby wetlands, industrial stormwater discharges to nearby waterways.

Roseville, City of, Downtown Roseville Specific Plan and EIR, Placer County, CA. Hydrologist for the EIR for the Downtown Roseville Specific Plan, intended as a guide to the general revitalization of Downtown Roseville for a 165-acre area comprising 11 distinct character districts and two parks within the existing Historic Old Town and Vernon Street Civic

Core area. The Downtown Roseville Specific Plan establishes the appropriate distribution, mix, intensity, physical form, and land use relationships intended to encourage and facilitate infill development, mixed use, pedestrian-scale, urban amenities, and transit use in Downtown Roseville. Direct discharge of stormwater runoff to Dry Creek and flooding were key issues in the program area.

San Joaquin County Department of Public Works, Austin Road Bridge Scour Mitigation, San Joaquin County, CA.

Hydrologist for Caltrans Water Quality Assessment Report. This project involves the placement of rock slope protection in the form of rip rap contained in gabions beneath the bridge to reduce scour along the stream channel that is exposing bridge footings and bents to potential damage.

State Water Resources Control Board, Division of Water Rights, CEQA Support Services, Napa, Sonoma, and Mendocino Counties, CA.

Assistant Project Manager/Hydrologist for the preparation of IS/MNDs for water rights applications submitted by 7 private vintners. The projects involve applications to divert water from north coast streams to on- and off-stream storage for use in vineyard irrigation and frost and heat control. The environmental analysis focuses on impacts on in-stream flows, spawning and rearing habitat for central California coast coho salmon and northern California steelhead, and aquatic habitat for California red-legged frog as well as cultural resources, land use changes, and erosion.

Yuba County, Magnolia Ranch Specific Plan Review and EIR, Yuba County, CA. Hydrologist for the preparation of the Magnolia Ranch Specific Plan EIR. The specific plan area was the most substantial new growth area added to Yuba County's general plan in 2010 and represents a highly visible and important project for the county. Policy work on the General Plan Update and EIR has established programmatic mitigation for development and infrastructure projects in Yuba County, including this specific plan, and has established locally relevant CEQA significance thresholds. Key issues include infrastructure and service provision, compatibility with the adjacent Air Force Base, traffic congestion and the need for transportation facility improvements, groundwater use and contamination, air quality and climate change, direct and indirect agricultural impacts, and biological resources.

Three Rivers Levee Improvement Authority, Yuba Goldfields 100-year and 200-year Flood Protection Projects, Yuba County, CA. Hydrologist for the IS/MND for the 100-year project and an EIR for the 200-year project to

improve flood protection for south Yuba County and the Reclamation District 784 service area. The 100-year solution would involve constructing a continuous 2.1-mile embankment within the Goldfields. The 200-year EIR includes evaluation of four alternative alignments at an equal level of detail. Three of the alignments involve constructing an embankment within the Goldfields, and the fourth would involve constructing an engineered levee just south of the Goldfields. Important stakeholders include mining companies with active operations in the Goldfields, resource agencies (UFWS, NMFS, CDFW), and federal landowners (USACE and Bureau of Reclamation).

Placer County Department of Public Works, Tahoe Design Division, West Sunnyside Erosion Control Project, Placer County, California.

Project Manager for native plant revegetation design services for erosion control and water quality improvements at the West Sunnyside subdivision in the Lake Tahoe Basin. The project included 800 linear feet of pipeline area leading to a detention basin then along 1,000 linear feet of rock-lined channel to Ward Creek. Construction documents (plans, specifications, and estimates) in accordance with County standards were developed for County use and plan check review, receipt of comparable bids from potential contractors, and project implementation. In addition, wildlife and plant species analysis reports were completed for review by the US Forest Service, LTBMU. The report documented potential effects of the proposed West Sunnyside Erosion Control Project on biological resources.

Placer County Planning Services, Truckee River Corridor Action Plan and EIR/EA, Placer County, CA.

Hydrologist for the Truckee River Corridor Access Plan EIR. The Truckee River Corridor Access Plan's (CAP) vision is to "restore and enhance the river corridor's ecological, water quality recreational and non-motorized-transportation values for the benefits of the residents and visitors, while protecting private property rights of corridor landowners." A draft CEQA document for implementation of the CAP and technical studies supporting NEPA compliance for those portions of the CAP traversing U.S. Forest Service Lands are currently being prepared. Other recent tasks included refinement of trail alignment and key access sites, coordination with other agencies such as Caltrans and the Tahoe Public Utilities District, community outreach, and research on funding opportunities. Placer County recently chose to explore new alignments for the trail and is currently conducting in-house technical analysis.

Northwest Hydraulic Consultants, South Tahoe Public Utility District Comprehensive Facility-Wide Erosion Control Project, El Dorado County, California. Project manager for revegetation design assistance and coordinating environmental permitting support as part of the South Tahoe Public Utility District Comprehensive Facility-Wide Erosion Control Project. As a subconsultant to Northwest Hydraulic Consultants existing conditions were evaluated through site assessments used to develop and evaluate alternatives for water quality improvement, prepare revegetation details, wetland delineation, and support the utility district during the environmental permitting process.

Western Placer Waste Management Authority, Compost Facility Expansion Project IS/MND, Placer County, CA. Hydrologist for this IS/MND. New facilities would drain into a new compost leachate evaporation pond located on 0.83 acre. Key issues included odors and retention and evaporation of collected compost leachate.

Sacramento Area Flood Control Agency, North Area Streams and Sacramento River East Levees (SREL) Project, Sacramento County, CA. Project Assistant for CEQA and NEPA Compliance and Permitting. SAFCA needs to secure FEMA accreditation for 100-year flood protection along a 4 mile stretch of Arcade Creek and up to 8 miles on the SREL between the mouth of the American River and Freeport. Tasks include general project management and coordination with sub consultants.

Sacramento Area Flood Control Agency, Natomas Levee Improvement Program Phase 1 Program EIR, Sacramento and Sutter Counties, CA. Hydrologist, reviewing flooding, water quality, and geomorphology evaluations for a program EIR on funding mechanisms for comprehensive flood control improvements and operational modifications; construction of a new bridge at Folsom; American River floodplain habitat enhancements; south Sacramento stream channel improvements; implementation of seepage, levee freeboard, and erosion remediation for levees along the Sacramento River, American River, and Natomas Cross Canal; and other measures to ensure long-term levee integrity and flood protection for the Sacramento area.