

**Mark. A. Demuth, M.Ed., M.S., M.S., AICP**  
*Adjunct Faculty – Teaching  
Environmental Planner*

**Personal Information:**

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**Academic Background / Education:**

University of Nevada – Reno, **M.S. in Land Use Planning**, May 18, 2009  
University of Nevada – Reno, **M.S. in Environmental and Natural Resource Science**, May 16, 1998  
Vanderbilt University, **M.Ed. in Education**, December 20, 1984  
Kent State University, **B.S. in Education**, May 7, 1983

**Certification:**

American Institute of Certified Planners, **Certified Planner**, July 11, 2006 – present  
Mine Safety Health Administration, Part 48 – Subpart B **New Miner & Newly Hired Experienced Miner** Training.  
February 3, 2011; Expires November 14, 2021

**Present Employment:**

University of Nevada – Reno, Nevada, **Adjunct Faculty – Teaching** – Department of Natural Resources & Environmental Science, August 2021 – Present

**Previous Employment:**

Western Cultural Resource Management, Inc., **Principal Environmental Planner**, April 16, 2010 – September 30, 2021  
University of Nevada – Reno, Nevada, **Volunteer Adjunct Faculty** – Department of Natural Resources & Environmental Science, February 2009 – August 2021  
University of Nevada – Reno, Nevada, **Instructor** – National Geothermal Academy – October 2010 – August 2013  
CDM, Inc., Reno, Nevada, **Principal**, October 2007 – August 2009  
University of Nevada – Reno, Nevada, **Adjunct Faculty – Teaching** – Department of Natural Resources & Environmental Science, January 2006 – January 2009  
MADCON Consultation Services, Reno, Nevada, **Principal**, January 1988 – October 2007  
Resource Concepts, Inc., Carson City, Nevada, February 1987 – November 1987  
Nebraska Department of Education, Lincoln, Nebraska, 1984 – 1986  
George Peabody College, Vanderbilt University, 1983 – 1984

**Grants:**

May 20, 2022 Great Basin Institute. “UNR/GBI NEPA Agreement: Contract Agreement between UNR and the Great Basin Institute to provide expertise on National Environmental Policy Act.” UNR Agreement No. 2200845. Period June 1, 2022 to May 31, 2023.  
September 27, 2006. Academy of the Environment. “Interdisciplinary environmental course on ‘Compliance with the National Environmental Policy Act (NEPA)’ offered in NRES, GEOG, CEE, HP, JOUR, & MINE departments.”  
October 27, 2005. Academy for the Environment. “Interdisciplinary environmental course on ‘Compliance with the National Environmental Policy Act.’”

## University Teaching Experience:

University of Nevada, Reno – 2006 to present. Mr. Demuth has taught the following courses:

**NRES 410/610** (replacing NRES 485/685, GEOG 491/691, RECO 485/685) “**Compliance with the National Environmental Policy Act**” 3 credit course (Spring 2023 [pending], Spring 2022, Spring 2021, Spring 2020, Spring 2019, Spring 2018, Spring 2017, Spring 2016, Spring 2015, Spring 2014, Spring 2013, Fall 2011, Spring 2010, Spring 2009, Spring 2008, Spring 2007, Spring 2006)

**CEE 411/611, NRES 412/612, PSC 403(e)/603(e)** “**Environmental Law**” 3 credit course (Fall 2022 [pending], Spring 2022, Fall 2021, Fall 2020, Fall 2019, Fall 2018, Fall 2017, Fall 2016, Fall 2015, Fall 2014, Fall 2013, Fall 2012, Fall 2008)

**NRES 480A “Independent Study”** 1-credit course and 2-credit course (Summary 2016)

**NRES 210 “Environmental Pollution”** 3 credit course (Spring 2012)

**GEOG 470/670 “Neighborhoods, Cultures & Cuisines of the Bay Area”** 2 credit Geography Explorations course (Summer 2009)

**ENV 101 “Introduction to Environmental Science”** 3 credit course (Fall 2022 [pending], Spring 2022)

University of Nevada, Reno – 2010 to 2013. Mr. Demuth was appointed to the Faculty of the **National Geothermal Academy** and has taught the following courses:

**GEOL 457/657/701, ENGR 457/657 “National Geothermal Academy, Module on Public Policy, Permitting & Environmental Issues”** one of eight modules in the 6/7/8 credit course (Summer 2013, Summer 2012, Summer 2011). The National Geothermal Academy is an intensive summer course covering all aspects of geothermal energy development and utilization. The course is offered through the University of Nevada, Reno to outstanding undergraduates, graduate students, and professionals. The NGA has 105 alumni from 24 countries.

Guest Lectures:

- Environmental Engineering Seminar Series: “Injunctive Relief in the NEPA Lawsuit: Not a Matter of Merits” February 12, 2020
- NRES 494/694 Range and Forest Administration and Policy: “How not to lose and Environmental law suit? Injunctive relief in the NEPA law suit: Not a matter of merits” April 3, 2019
- NRES 494/694 Range and Forest Administration and Policy: “How not to lose and Environmental law suit? Injunctive relief in the NEPA law suit: Not a matter of merits” March 28, 2018
- NRES 494/694 Range and Forest Administration and Policy: “How not to lose and Environmental law suit? Injunctive relief in the NEPA law suit: Not a matter of merits” March 31, 2016
- NRES 494/694 Range and Forest Administration and Policy: “How not to lose and Environmental law suit? Injunctive relief in the NEPA law suit: Not a matter of merits” March 26, 2015
- NRES 494/694 Range and Forest Administration and Policy: “How not to lose and Environmental law suit? Injunctive relief in the NEPA law suit: Not a matter of merits” March 27, 2014
- NRES 494/694 Range and Forest Administration and Policy: “Nevada Water Law” February 4, 2013
- NRES 421/621 Conservation Biology: “Conservation/Natural Resources Policy: Does NEPA Protect Biological Diversity?” April 22 & 27, 2010
- NRES 421/621 Conservation Biology: “Environmental Law: Does NEPA protect Biological Diversity?” April 8, 2008
- GEOG 305 Community Environmental Problems: “Covering the Trench: A multidisciplinary approach to project design” October 16, 2007

- GEOG 490/690 Geography Colloquium: “Reno, Its Railroad, and the ReTRAC Project” Jan. 31, 2007

### Other Teaching Experience:

CLE International – 2008. “Third Annual NEPA Conference.” Mr. Demuth presented during *Putting Together the Environmental Impact Statement* session titled “Engineering and Design needed to Analyze Alternatives.”

### Continuing Education:

May 18, 2022	Every Nevadan Counts! a presentation by Matthew Lawton, Nevada State Demographer (1.0 C M)
May 13, 2022	Technology Tools for Sustainability (1.5 CM 1.0 SR)
Apr. 22, 2022	Climate Resilience Includes Health: Planning in Native American Communities (1.5 CM 1.0 SR)
Mar. 25, 2002	Digital Planning in a Digital World (1.5 CM)
Mar. 9, 2022	City Planning to Reduce GHG Emissions and Enhance Resilience (1.5 CM 1.0 SR)
Mar. 2, 2022	Responding to Climate Change (1.5 CM 1.0 SR)
Feb. 25, 2020	Climate Science & Planning – Intermediate Roundtable (1.5 CM 1.0 SR)
Feb. 18, 2022	Climate Science & Planning - The Basics (1.5 CM 1.0 SR)
Jan. 21, 2022	The Struggle for Equality: Overcoming a Segregated Past (1.5 CM 1.0 Eq)
Dec. 17, 2021	Retrofitting Bedroom Communities for an Equitable and Sustainable Future (1.5 CM)
Dec. 3, 2021	The many faces of traditional and non-traditional planning (1.5 CM)
Nov. 19, 2021	Planning for Innovation in Transportation (1.5 CM)
Nov. 17, 2021	Plagiarism & Ethics – Where to Draw the Line (1.5 Ethics CM)
Nov. 12, 2021	Moving from aspiration to action: Reorienting planners’ values towards equity, diversity and inclusion (1.5 CM)
Nov. 10, 2021	Growing Water Smart: Techniques to Integrate Water Resiliency into Land Use Planning (1.5 CM)
Nov. 3, 2021	Leading with Equity – A more effective way to frame Age-Friendly Approaches (1.5 CM)
Oct. 22, 2021	Road Usage Charging and the Future of Transportation Funding (1.5 CM)
Oct. 15, 2021	The Health Benefits of Active Transportation (1.5 CM)
Oct. 1, 2021	Understanding Spatial Identity (1.5 CM)
Sep. 23, 2021	Fire & Water: Extreme Weather Trends and Community Infrastructure   Practitioners’ Roundtable (1 CM)
Sep. 17, 2021	The 15-Minute City: Our Past and Our Future (1.5 CM)
Sep. 15, 2021	Fire & Water: Extreme Weather Trends and Community Infrastructure   The Basics (1.5 CM)
Sep. 10, 2021	Zoom Towns: Broadband and the Culture of Connection (1.5 CM)
Jul. 30, 2021	Increasing affordable housing production by modernizing state laws and prioritizing funding in California (1.5 CM)
Jul. 23, 2021	Urban Planning in a COVID-19 World: Part 2 (1.5 CM)
Jul. 16, 2021	Street Commerce: The Hidden Structure of Retail Location Patterns and Vibrant Sidewalks (1.5 CM)
Jul. 9, 2021	Digital Public Participation in Bogota: A Case Study Using Streetmix (1.5 CM)
Jul. 2, 2021	Parks are an Essential Business (1.5 CM)
Jun. 18, 2021	Local Climate Action in Oregon (1.5 CM)
Apr. 30, 2021	Planning for Infrastructure Resilience: From Aging Infrastructure to Climate Change (1.5 CM)
Apr. 28, 2021	State Planning in Nevada (1.5 CM)
Apr. 16, 2021	Design Thinking – Utilizing Hand Graphics to Explore Ideas (1.5 CM)
Apr. 7, 2021	Redevelopment and Revitalization Efforts in Downtown Reno (1 CM)
Feb. 23, 2021	Racial and Social Inequalities in Business Roundtable (1.5 CM)

Feb. 19, 2021	Resilience in Vulnerable Communities: Development and the Gullah Geechee Community (1.5 CM)
Feb. 12, 2021	The Shame of Chicago: The Color Tax (Documentary Screening and panel discussion on fair housing, exclusionary housing policies and the impacts on minority communities nationwide) (1.5 Law CM)
Jan. 29, 2021	Resilience in Vulnerable Communities: When Climate Change Forces Relocation (1.5 CM)
Jan. 15, 2021	Public Art Life Cycle Part 2: Maintenance to Mayhem (1.5 Law CM)
Dec. 16, 2020	Historic Urban Landscape Framework and Historic Preservation (1.5 CM)
Dec. 3, 2020	Legal Issues with Green Energy (1.5 Law CM)
Nov. 20, 2020	Planning for Freight/Logistics and Industrial Development (1.5 CM)
Nov. 18, 2020	Planning for Resilient Communities in the Midst of Pandemic, Social Justice and Climate Change Challenges (1.5 CM)
Nov. 10, 2020	Creating Equitable Communities (1 CM)
Nov. 6, 2020	The Value of the Curb: Organization, Regulation, and Monetization of Your Precious Right-of-way (1.5 CM)
Nov. 5, 2020	Planning Law and Ethics (1.5 Ethics & Law CM)
Nov. 4, 2020	Grass, Desert, or Mixed Oasis Landscapes? From What Residents want to What they Do and Why (1.5 CM)
Oct. 23, 2020	Shared Spaces and Flush Streets; the Potential for Barrier-free Public Realms (1.5 CM)
Oct. 2, 2020	Coastal Hazard Zones, Best Management Practices, Permitting and Planning (1.5 CM)
Sep. 25, 2020	State of Transportation Planning (1.5 CM)
Sep. 18, 2020	Public Art Life Cycle Part 1: Concept to Commission (1.5 Law CM)
Sep. 4, 2020	Peace Cross case: U.S. Supreme Court and local guidance (1.5 Law CM)
Aug. 28, 2020	Advanced Air Mobility – Integrating the Third Dimension into Metropolitan Transportation Systems (1.5 CM)
Aug. 21, 2020	Planning for Utility Scale Solar Energy Facilities (1.5 CM)
Aug. 14, 2020	Perspectives on Resiliency Planning (1.5 CM)
Aug. 7, 2020	Planning for Uncertainty: Risk-based Transportation Planning (1.5 CM)
Jul. 31, 2020	Corridor Urbanism: Principles and Practice (1.5 CM)
Jul. 29, 2020	Leading Edge in Trees, Stormwater and Urban Design (1.5 CM)
Jul. 24, 2020	Urban Planning in a COVID-19 World (1.5 CM)
Jul. 23, 2020	Ethics for Planners (1.5 Ethics CM)
Jul. 22, 2020	COVID-19 and Impacts on Nevada’s Tribal Nations (1 CM)
Jul. 15, 2020	Impacts of and Responses by the City of Fernley to COVID-19 (1 CM)
Jul. 10, 2020	Innovative Financing to Build Market Rate Apartments in Rural Areas (1.5 CM)
Jul. 1, 2020	Speeding Up Slow Street Projects (1.5 CM)
Jun. 24, 2020	The Impacts of COVID-19 on Transportation in Northern Nevada (1 CM)
Jun. 24, 2020	Empowerment through Design to Create a Choice Neighborhood (1.5 CM)
Jun. 19, 2020	Driving Innovation to Create Aging-friendly Communities (1.5 CM)
Jun. 12, 2020	Equity and Public Transportation: Current Trends and Recommendations (1.5 CM)
Jun. 10, 2020	What is Economic Resilience in the COVID-19 Era? (1 CM)
Jun. 5, 2020	Tactical Urbanism: Project Delivery for a Post-Pandemic World (1.5 CM)
May 27, 2020	Current and Future Impacts of COVID-19 on Nevada’s Fiscal System (1 CM)
May 22, 2020	Project Management for Planners (1.5 CM)
May 15, 2020	Focus on Micromobility (1.5 CM)
May 13, 2020	2050 Regional Transportation Plan (1 CM)
May 8, 2020	Integrating Sea Level Rise into Plans (1.5 CM)
May 29, 2020	Craving Community: The Increments of Great Neighborhoods (1.5 CM)
Apr. 3, 2020	Introduction to Content Engagement (1.5 CM)
Mar. 27, 2020	Census 2020 – How Can I Advocate for a Complete Count? (1.5 CM)
Nov. 8, 2019	Making Room for Middle Housing – HB 2001 and Lessons from Oregon (1.5 Law CM)
Oct. 25, 2019	APA Ethics Case of the Year Panel Discussion (1.5 Ethics CM)
Oct. 18, 2019	Path as Place: The Experiential side of Transportation (1.5 CM)

Oct. 11, 2019	Integrating Urban and Regional Sustainability Planning (1.5 CM)
Sep. 23, 2019	Global Climate Change Summit (5 CM)
Sep. 13, 2019	Bus Rapid Transit: Insight on Project Development and Implementation (1.5 CM)
Sep. 6, 2019	Public Art and Artists' Property Rights (1.5 Law CM)
Aug. 23, 2019	Lean Thinking Before, During, and After Your Planning Process (1.5 CM)
Jan. 1, 2019	Let's Talk About Privilege (1.5 Ethics CM)
Jun. 22, 2018	Native American Tribes, Law, and Planning (1.5 Law CM)
Jan. 1, 2018	Queer and the Conversation: The Ethics of Inclusion (1.5 Ethics CM)
Sep. 23, 2017	University Center for Economic Development, Nevada Leadership Institute, University of Nevada, Reno: 2017 Global Climate Change Summit (6 CM)
Sep. 20, 2016	University Center for Economic Development, Nevada Leadership Institute, University of Nevada, Reno: Fundamentals of Economic Development (7 CM)
Jun. 3, 2016	University Center for Economic Development, Nevada Leadership Institute, University of Nevada, Reno: Conservation District Leadership Development Workshop (7 CM)
Jan. 1, 2016	Ethics of Private Practice Consulting (1.5 Ethics CM)
Sep. 15, 2015	Ethics for Planners (1.5 Ethics CM)
Sep. 15, 2015	Keynote: Walk Your City (1 CM)
Sep. 14, 2015	Low Impact Development/Green Infrastructure Works for Nevada (1.5 CM)
Sep. 14, 2015	2035 Nevada: Unified Transportation Plan Preview (1.5 CM)
Sep. 14, 2015	Envision a More Sustainable Plan for Infrastructure (1.5 CM)
Sep. 13, 2015	Redefining "Waters of the U.S." under the Clean Water Act: How it Might Affect Local Planning (1.5 Law CM)
Sep. 13, 2015	Looking Back: A Call to Chronicle Nevada's Planning History (1.5 CM)
Jun. 12, 2015	University Center for Economic Development, Nevada Leadership Institute, University of Nevada, Reno: How to Improve Your Management Skills (2.75 CM)
May 9, 2015	University Center for Economic Development, Nevada Leadership Institute, University of Nevada, Reno: How to Improve Your Leadership Skills (2.75 CM)
Apr. 10, 2015	University Center for Economic Development, Nevada Leadership Institute, University of Nevada, Reno: How to Effectively Create a Team Environment (2.75 CM)
Feb. 14, 2014	University Center for Economic Development, Nevada Leadership Institute, University of Nevada, Reno: How to become an effective Leader (2.75 CM)
Dec. 31, 2014	Ethics, Equity and Social Justice: Roles and Implications of Planners (1.5 Ethics CM)
Jul. 17, 2014	An overview of Unmanned Aerial Systems (UAS) and their impacts on Nevada (1 CM)
Jan. 29-30, 2014	Section 106 Process: An advanced Seminar by Claudia Nissley
Oct. 13-16, 2013	2013 Western Planner / APA Nevada Chapter State Conference, Stateline, Nevada (13 CM)
Apr. 1-4, 2013	2013 National Association of Environmental Professionals, Los Angeles, CA (13 CM)
Jan. 23, 2013	Native American Issues: An Advanced Seminar by Claudia Nissley
May 21-24, 2012	2012 National Association of Environmental Professionals, Portland, OR (9 CM)
Apr. 14-17, 2012	2012 APA National Planning Conference, Los Angeles, CA (18 CM)
Dec. 12-14, 2011	Issues in Section 106: An Advanced Seminar by Thomas King
Dec. 15-16, 2010	Udall Foundation - U.S. Institute for Environmental Conflict Resolution, Introduction to Managing Environmental Conflict.
Oct. 7-10, 2009	2009 APA Nevada Chapter State Conference, Reno, Nevada. (6 CM)
Mar. 16, 2009	Global Negotiations Project at Harvard Law School. Reframing Conflict (February 9, 23, Mar. 2, 9, 16, 2009).
Mar. 18, 2009	Designing for Water Conservation (1.5 CM)
Feb. 26-27, 2009	Nevada Water Law Conference, Reno, Nevada. CLE International (12 CM)
Feb. 18, 2009	Informed Decisions (10 CM)
Jan. 21, 2009	Infrastructure, CIP, and Alternative Transportation (1.5 CM)
Nov. 5, 2008	Creating Successful Meetings (1 CM)
Oct. 8, 2008	Renewable Local Energy (1.5 CM)
Jun. 25, 2008	Planning Law Review 2007-2008 (1.5 CM)
May 21, 2008	Community-Based Brownfields Redevelopment (1.5 CM)

Apr. 27-30, 2008      2008 APA National Conference, Las Vegas, Nevada (7.5 CM)  
Mar. 27-28, 2008      3rd Annual NEPA Conference, Reno, Nevada. CLE International (10 CM)  
Feb. 13, 2008        Mastering Density, Reno, Nevada (1.5 CM)

### **Awards:**

University of Nevada, Reno, Foundation Outstanding Letter of Appointment Teaching Award for Spring 2022  
(CABNR / NRES)  
Omicron Delta Kappa, Spring 1983  
Laurels Chapter of Mortar Board, 1982  
Phi Delta Kappa, 1985  
Senior Service Award, Kent State University, 1982-83

### **Scholarships:**

Rudolph Dillman Scholarship, AFB, 1983  
Kent State University Academic Scholarship, 1981, 1982  
Warner Communication Company Scholarship, 1980  
Ruth Dick Hunter Memorial Scholarship, 1980, 1981

### **Area of Interest:**

Compliance with National Environmental Policy Act of 1969  
Environmental Law, Regulation, and Policy  
Historic and Legacy Mining Issues

### **Special Skills – Expert Witness Case Experience:**

Palm Springs Transfer and Storage, a Nevada Corporation, Appellant v. City of Reno, a Political Subdivision of the State of Nevada, Respondent. Case No. 51215. Supreme Court of Nevada (Unpublished). September 25, 2009, Decided.

Undisclosed client. Givens Pursley LLP. Expert witness services in a NEPA case of the patented and unpatented mining claim holder and the Payette National Forest's Travel Management Plan (TMP) Final Environmental Impact Statement (FEIS). July 2007.

Bright-Holland Co. (client). Pierre A. Hascheff, Chartered. Expert witness services in a NEPA case of a private land owner and the Bureau of Land Management's (BLM) Surprise Resource Management Plan (RMP) and Eagle Lake RMP Environmental Impact Statement (EIS) (included related research for a draft Memorandum of Agreement related to the Bright-Holland Co.)

Guy B. Zewadski v. City of Reno, Patricia Lynch; Tracy Chase; Steve Varela; Dwight Dortch; Sharon Zadra; Dave Aiuzzi; Dan Gustin; Charles McNeely; MADCON Consultation Services; Mark A. Demuth; Union Pacific Railroad Company. Case No. 3:05-CV-00173-LRH-RAM. United State District Court, District of Nevada. Filed March 24, 2005. Decided March 9, 2006.

Fitzgerald Reno, Inc., Plaintiff, and Tax Accountability Projx, et al., Plaintiffs--Appellants, v. U.S. Department of Transportation, Defendant--Appellee, and Nevada Transportation Department, et al., Defendants. Case No. 02-15288. D.C. No. CV-01-00193-PMP. United States Court of Appeals, Ninth Circuit (60 Fed. Appx. 53). February 11, 2003, Argued and Submitted, San Francisco, California. February 26, 2003, Filed.

George Karadanis and Robert Maloff, d/b/a Sundowner Hotel and Casino, a Nevada Partnership; Ron Drury, d/b/a Reno Souvenir Station; Kenneth C. Nicks, and Don White, Appellants, v. Joanne Bond, Chairman; Mike Mouliot, Vice Chairman; Sue Camp; Jim Galloway; and Jim Shaw; Collectively Comprising the County Commissioners of Washoe County, State of Nevada; City of Reno, a Municipal Corporation; Truckee River Water Management Council, a Nevada Non-profit Corporation; Dermody Properties, a Nevada Corporation; Dermody Industrial Group, a Nevada General Partnership; DP Operating Partnership, L.P., a Delaware Limited Partnership; Trammel Crow Company, a Delaware Corporation; and Utah State Retirement Fund, Respondents. Case No. 33569. Supreme Court of Nevada (116 Nev. 163; 993 P.2d 721; 116 Nev. Adv. Rep. 16). February 3, 2000, Decided.

Citizens for a Public Train Trench Vote, a Nevada Political Action Committee; Mike Tracy, a/k/a Michael Tracy, a/k/a James Michael Tracy; Michael Robinson; Martha Gould; George Flint; and Bernard Clark, Appellants, v. City of Reno, a Municipal Corporation; Daniel G. Burk, in his Capacity as Washoe County Registrar of Voters; Citizens for Private Enterprise; Ray Heating Products, Inc.; Steve Scolari, as Trustee of the Alvin E. Scolari Family Trust; Record Supply Company; SDA Inc.; Caravan Camper Tops, Inc.; Ross Manor LLC; Martin Iron Works, Inc.; American Ready Mix, Inc.; Eldorado Resorts, Ltd.; Harrah's Operating Company, Inc.; The Circus and Eldorado Joint Venture, a Nevada General Partnership, d/b/a Silver Legacy; and Guy B. Zewadski, Respondents. Case No. 39898. Supreme Court of Nevada (118 Nev. 574; 53 P.3d 387; 118 Nev. Adv. Rep. 60). September 6, 2002, Decided.

Western Coal Traffic League, et al., Petitioners v. Surface Transportation Board and United States of America, Respondents; Union Pacific Corporation, et al., Intervenors. Case No. 96-1373. United States Court of Appeals for the District of Columbia Circuit (335 U.S. App. D.C. 147; 169 F.3d 775). September 11, 1998, Argued. March 23, 1999, Decided.

*Guy B. Zewadski (in proper person) v. City of Reno et. al.*, United States District Court, District of Nevada, Case no. CV-N-98-663-ECR-RAM. Nov. 5, 1998.

City of Reno, Plaintiff-Appellant, v. Surface Transportation Board, of the United States, Defendant-Appellee, and Union Pacific Railroad Company; Southern Pacific Transportation Company, Intervenors – Appellees. Case No. 97-15562. United States Court of Appeals for the Ninth Circuit (141 F.3d 1174), February 11, 1998, Argued and Submitted, San Francisco, California. March 12, 1998, Filed.

### **Special Skills – Evidentiary and Due Diligence Documentation:**

***Undisclosed Client, Pre-feasibility Environmental Due Diligence, Southern California:*** Conducted privileged and confidential pre-feasibility environmental due diligence work prepared at request of council for a mining corporation in southern California.

***Undisclosed Client, Leach Pad Damage Documentation, Colorado:*** Researched and compiled a pictorial history of a catastrophic heap leach pad (HLP) construction failure at a large gold mine site surrounded by Rio Grande National Forest land in Colorado. Exhibits consisted of the HLP liner as-built prior to failure, final perimeter of new HLP liner, repaired and replaced HLP liner, repair areas of HLP liner, and ore on HLP prior to failure.

### **Membership in Professional Organizations:**

American Planning Association, **Member**, 1996-present

National Association of Environmental Professionals, **Member**, 2010-present

Nevada Chapter of the American Planning Association, **Member**, 1996-present

### **Committee/Council/Association Experience:**

University of Nevada, Reno – Geography Department, *Member*, Land Use Planning Faculty Selection Committee. October 2006 – April 2007

Park Towers Residents' Association, Inc. *President and Chairman of the Board*. Non-profit corporation of residents (mostly senior citizens) providing leadership and advocacy in tenant concerns, issues, and rights. 1992-2003

City of Reno – Planning Commission. *Planning Commissioner*. July 1996-April 1998

City of Reno – Capital Improvements Advisory Committee. *Member*. July 1996-April 1998

City of Reno – Downtown River Corridor Committee. *Member and Vice-Chairperson*. April 1996-October 1997

City of Reno – Board of Adjustment. *Board Member*. August 1995-July 1996

City of Reno – River Renaissance Focus Committee. *Member and Vice-Chairperson*. November 1995-April 1996

Mono County Mining Committee. *Secretary/Treasurer*. Established to develop a unified voice for prudent mineral development in Mono County, California. 1989-1993

National Council – Long Range Planning Committee for Mortar Board, Inc. *Committee Member*. Provide coordination of 186 Honor societies across the nation. 1982-1985

Kent State University, College of Education Teacher Education Council. *Council Member*. Governing body for all teacher education programs at Kent State University. 1982-1983

Kent State University, College of Education, Department of Special Education, Undergraduate Curriculum Committee. *Committee Member*. 1982-1983

Kent State University, Affirmative Action Committee. *Committee Member*. Investigative committee on all affirmative action issues and cases. 1982-1983

Kent State University, Alumni Association, Distinguished Teacher Awards Committee. *Committee Member*. Awards three \$1000 awards for outstanding teaching contributions from a full-time faculty member. 1982

Triennial Conference of Mortar Board, Inc. Kent State University *Chapter Delegate* from section XIII. 1982

Kent State University, University Life Line, *Treasurer*, 1981-82

### **Conference Presentations:**

2015 – September 13 – 15 – 43<sup>rd</sup> Annual Conference of the Nevada Chapter of the American Planning Association – “Redefining “Waters of the U.S.” under the Clean Water Act: How it Might Affect Local Planning”

- 2012 – May 21 – 24 – 37<sup>th</sup> Annual National Association of Environmental Professionals Annual Conference – “Three Roles, Three Projects, and Up to Nine Perspectives on Compliance with NEPA and Section 106” with Edward J. Stoner, RPA, Regional Manager (Western Cultural Resource Management, Inc.) and Debbie Lassiter, Vice President, Environmental Affairs Allied Nevada Gold Corp.
- 2011 – April 26 – April 30 – 36<sup>th</sup> Annual National Association of Environmental Professionals Annual Conference – “Cultural Resource Planning to meet the Changing NEPA Project: a case study – ReTRAC”
- 2010 – October 8 – 38<sup>th</sup> Annual Nevada Railroad History Symposium – Historical Efforts to Grade-separate SPRR Tracks and Reno Streets” – Nevada State Railroad Museum, an Agency of the Division of Museums and History, Nevada Department of Cultural Affairs.
- 2010 – September 29 – October 1 – 38<sup>th</sup> Annual Conference of the Nevada Chapter of the American Planning Association – “Geothermal Planning & Law”
- 2009 – October 7-9 – 37<sup>th</sup> Annual Conference of the Nevada Chapter of the American Planning Association – “Addressing Climate Change in NEPA Documents”
- 2007 – December 5-7 – Second Annual National Urban Freight Conference – “ReTRAC: Elimination of 10 at-grade crossings while maintaining freight service in Reno, Nevada” – Center for International Trade & Transportation.
- 2007 – May 14-16 – 17<sup>th</sup> Annual NGIS, Exploring the Depths of GIS – “Virtual Worlds Panel: Why Use ArcGIS vs. GoogleEarth Pro? 2-D vs. 3-D” Nevada Geographic Information Society.
- 2006 – September 6-9 – 69<sup>th</sup> Annual Meeting of the Association of Pacific Coast Geographers – “Conflicts between Pedestrians and Trains: A Case Study of Reno, Nevada 1868 – 2006.”
- 2005 – May 17-19 – Nevada Street & Highway Conference, Las Vegas, Nevada – “ReTRAC Archaeological Finds,” Nevada Department of Transportation and Federal Highway Administration.
- 2001 – April 18-20 – DBIA Design-Build for Transportation Conference, Denver, Colorado – “Reno Transportation Rail Access Corridor,” Design-Build Institute of America.
- 2001 – October – APWA Nevada Chapter Fall Conference – “ReTRAC Update,” American Public Works Association, Nevada Chapter.
- 2001 – November 4-6 – National Highway-Rail Grade Crossing Safety Conference, Dallas, Texas – “Working with MPOs,” Texas Transportation Institute.
- 2000 – November – Far West Region, Highway / Rail Safety Conference, Lake Tahoe, California – “Major Grade Separation Projects – ReTRAC” Nevada Department of Transportation.

### **Government Reports (Selected):**

#### **CULTURAL RESOURCE INVENTORIES, EVALUATIONS, HISTORIC PROPERTY TREATMENT PLANS, & DATA RECOVERY REPORTS**

*Stantec Consulting Services Inc., Lake Powell Pipeline Project.* Mr. Demuth was responsible for co-writing and technical editing the cultural resource historic properties treatment plan for the AZ & UT portions of the proposed Lake Powell Pipeline Project for the USDI BLM.

Major documents produced for this project include:

- Sorrell, Daniel H., Edward Stoner, Steve Mehls, Megan Fuller, **Mark A. Demuth**, and J. Simon Bruder  
2021 *Historic Property Treatment Plan for the Proposed Lake Powell Pipeline Project – Arizona Segments, Coconino and Mohave Counties, Arizona*. Document on file at the Bureau of Land Management Utah State Office, Division of Natural Resources, Salt Lake City. July 30, 2021. 865pp.
- Stoner, Edward, Daniel H. Sorrell, Steve Mehls, Megan Fuller, **Mark A. Demuth**, and J. Simon Bruder  
2021 *Historic Property Treatment Plan for the Proposed Lake Powell Pipeline Project – Utah Segments, Kane and Washington Counties, Utah*. Document on file at the Bureau of Land Management Utah State Office, Division of Natural Resources, Salt Lake City. July 30, 2021. 1143pp.

**Newmont Mining, Long Canyon Mine, Elko County, Nevada.** Mr. Demuth as Program Manager was responsible for co-writing and technical editing the cultural resource indirect effects treatment plan for the Phase I Long Canyon Project for Newmont Mining and the USDI BLM.

Major documents produced for this project include:

- Wheeler, Charles W., and **Mark A. Demuth**  
2021 *An Indirect Effects Treatment Plan for the Newmont Mining Corporation Long Canyon Mine in Elko County, Nevada*. BLM Report No. 1-3306. Updated and Revised May 4, 2021. Document on file at the Bureau of Land Management Elko Field Office. May 4, 2021. 249pp.

**Round Mountain Gold Company, Round Mountain Mine, Phase W Project, Nye County, Nevada.** Mr. Demuth as Program Manager was responsible for co-writing and technical editing the Class I cultural resources inventory and effects analysis for the Phase W Project for Round Mountain Gold Company and the and the USDI BLM.

Major documents produced for this project include:

- Stoner, Edward J., Jenny Hildebrand, and **Mark A. Demuth**  
2017 *A Class I Cultural Resources Inventory and Effects Analysis of the Phase W Project in Nye County, Nevada* Report No. 6-3157. Document on file at the Bureau of Land Management Battle Mountain District, Tonopah Field Office. August 22, 2017. 110pp.

**Nevada Department of Transportation, Reno Spaghetti Bowl Project, Reno, Nevada.** For CH2MHill and the Nevada Department of Transportation, Mr. Demuth as Program Manager completed multiple architectural inventories of the *I-80/I-580/US 395 System to System Interchange Reconstruction (Reno Spaghetti Bowl)* within the APE for the FHWA and NDOT.

Major documents produced for this project include:

- Mehls, Steven F., **Mark A. Demuth**, Jennifer Hildebrand, Amanda Harvey, Kristina Crawford, and Edward J. Stoner.  
2017 *Architectural Survey Report I-80/I-580/US 395 System to System Interchange Reconstruction (Reno Spaghetti Bowl) Washoe County, Nevada*. FHWA #: NHFP-080-1(172) / NDOT #: 74020 / NDOT CR Report #: WA17-010. Manuscript Copy available from Federal Highway Administration and/or Nevada Department of Transportation. October 17, 2017. 104pp.
- Mehls, Steven F., **Mark A. Demuth**, Amanda Harvey, Perry Lown and Edward J. Stoner.  
2018 *Addendum A (Appendix A: Survey Area A): Architectural Survey Report I-80/I-580/US 395 System to System Interchange Reconstruction (Reno Spaghetti Bowl) Washoe County, Nevada*. FHWA #: NHFP-080-1(172) / NDOT #: 74020 / NDOT CR Report #: WA17-010. Manuscript Copy available from Federal Highway Administration and/or Nevada Department of Transportation. April 9, 2018. 1207.pp.

- Mehls, Steven F., **Mark A. Demuth**, Amanda Harvey, Jennifer Hildebrand, Kristina Crawford, and Edward J. Stoner.  
2018 *Addendum B (Appendix B: Survey Area B): Architectural Survey Report I-80/I-580/US 395 System to System Interchange Reconstruction (Reno Spaghetti Bowl) Washoe County, Nevada*. FHWA #: NHFP-080-1(172) / NDOT #: 74020 / NDOT CR Report #: WA17-010. Manuscript Copy available from Federal Highway Administration and/or Nevada Department of Transportation. March 14, 2018. 600pp.
- Mehls, Steven F., **Mark A. Demuth**, Amanda Harvey, Jennifer Hildebrand, Perry Lown and Edward J. Stoner.  
2017 *Addendum C (Appendix C: Survey Area C): Architectural Survey Report I-80/I-580/US 395 System to System Interchange Reconstruction (Reno Spaghetti Bowl) Washoe County, Nevada*. FHWA #: NHFP-080-1(172) / NDOT #: 74020 / NDOT CR Report #: WA17-010. Manuscript Copy available from Federal Highway Administration and/or Nevada Department of Transportation. November 29, 2017. 543pp.
- Mehls, Steven F., **Mark A. Demuth**, Jennifer Hildebrand, Stuart Rathbone, Amanda Harvey, and Edward J. Stoner.  
2018 *Addendum D (Appendix D: Survey Area D): Architectural Survey Report I-80/I-580/US 395 System to System Interchange Reconstruction (Reno Spaghetti Bowl) Washoe County, Nevada*. FHWA #: NHFP-080-1(172) / NDOT #: 74020 / NDOT CR Report #: WA17-010. Manuscript Copy available from Federal Highway Administration and/or Nevada Department of Transportation. April 3, 2018. 1902pp.
- Mehls, Steven F., **Mark A. Demuth**, Jennifer Hildebrand, Stuart Rathbone, Kristina Crawford, and Edward J. Stoner.  
2018 *Addendum E (Appendix E: Survey Area E): Architectural Survey Report I-80/I-580/US 395 System to System Interchange Reconstruction (Reno Spaghetti Bowl) Washoe County, Nevada*. FHWA #: NHFP-080-1(172) / NDOT #: 74020 / NDOT CR Report #: WA17-010. Manuscript Copy available from Federal Highway Administration and/or Nevada Department of Transportation. April 5, 2018. 3643pp.

***City of Reno, Public Works Department, VSB Project, Reno, Nevada.*** For the Reno Public Works Department, Mr. Demuth as Program Manager provided consultation on the NEPA process for replacement of the Virginia Street Bridge (VSB) to meet public safety standards. Project elements include the architectural inventory of the 7 historic structures within the APE for the FHWA and U.S. Army Corp of Engineers related to necessary NEPA documentation (Cat/Ex), an effects analysis recommendations report, the Historic Property Treatment Plan (including a discovery plan), the Section 4(f) Documentation, implementation of the treatment/mitigation, and construction monitoring for bridge replacement for Jacobs Engineering and JBR Environmental Consultants.

Major documents produced for this project include:

- Mehls, Steven F., **Mark A. Demuth**, Shaun Richey, Amanda Rankin, Perry Lown and Edward J. Stoner  
2016 *Virginia Street Bridge Demolition and Replacement Project, Treatment and Discovery Report, Reno, Washoe County, Nevada*. Vols I, II, and III. Manuscript Copy available from U.S. Army Corp of Engineers and/or City of Reno, Public Works Department. September 14, 2016. 903pp.

***Cripple Creek Cresson Project: Class III Cultural Resource Inventory of 6,882 Recorded Features, Teller County Colorado:*** Responsible for technical editing and document production of 13 Class III Cultural Resource Inventories from the field and the final documentation production of 110,000 pages of site and feature forms, photography pages, and site specific maps of the Cripple Creek Historic Mining District for Independence Mining Company and the USDI Bureau of Land Management (BLM) through Western Cultural Resource Management, Inc.

***Riepetown: A Data Recovery Report for the Historic Townsite of Riepetown, White Pine County Nevada:*** Responsible for technical editing and production of the cultural resources data recovery report of the historic townsite of Riepetown for Magma Copper Company and the USDI BLM through Western Cultural Resource Management, Inc.

***Robinson Mine Project, Data Recovery Plan of the Historic Townsite of Riepetown, White Pine County, Nevada:*** Responsible for technical editing and production of the cultural resources data recovery plan of the historic townsite of Riepetown for Magma Copper Company and the USDI Bureau of Land Management (BLM) through Western Cultural Resource Management, Inc.

***Robinson Mine Project, Class III Cultural Resource Inventory of the Historic Townsite of Riepetown, White Pine County, Nevada:*** Responsible for technical editing and production of the cultural resource evaluation of the historic townsite of Riepetown for Magma Copper Company and the USDI BLM through Western Cultural Resource Management, Inc. with contributions by Woodward-Clyde Consulting.

***Hayden Hill Mine Project, Data Recovery Report, Lassen County, California:*** Responsible for technical editing and production of the cultural resources data recovery report of the Hayden Hill Mine Project for Amax Resource Conservation Company, Lassen Gold Mining, Inc., and the USDI BLM through Western Cultural Resource Management, Inc.

***Bodie Mine Project, Class III Cultural Resource Inventory – Historic and Prehistoric Resources, Bodie, California:*** Managed the document editing (576 pages of text), formatting, and production of the 24-volume historic and prehistoric reports and appendices for Western Cultural Resource Management, Inc. and Bodie Consolidated Mining Company.

***Sleeper Mine, Class III Cultural Resources Inventory, Winnemucca, Nevada:*** Responsible for technical editing and document production of the Class III Cultural Resource Inventory of the Sleeper Mine Wetlands Enhancement Project for Nevada Gold Mining, Inc. and Amax Gold Inc. through Western Cultural Resource Management, Inc.

***Wind Mountain Mine, Class III Cultural Resources Evaluation, Empire, Nevada:*** Responsible for technical editing and production of the cultural resources evaluation within the proposed amendment to the Wind Mountain Mine for Wind Mountain Mining, Inc. and Amax Gold Inc. through Western Cultural Resource Management, Inc.

## ENVIRONMENTAL IMPACT STATEMENTS

***Coeur Rochester Mine Plan of Operations Amendment 10, Cultural Resources Section of the Draft Environmental Impact Statement (DEIS), Pershing Counties, Nevada:*** Mr. Demuth as Program Manager is responsible for co-writing and technical editing the cultural resource section to the Coeur Rochester Mine Plan of Operations Amendment 10 DIES for EMPSi, Inc., Coeur Rochester, Inc. and the USDI BLM.

***Hycroft Mine Expansion Project, Cultural Resources Support and Survey, Humboldt and Pershing Counties, Nevada:*** Mr. Demuth as Program Manager was responsible for cultural resource management for the project including long-range NEPA planning, multiple expansion projects and baseline surveys, treatment planning and implementation, exploratory drilling program recommendations, and monitoring for Allied Nevada Gold Corp., and the USDI BLM.

***Hycroft Mine Expansion Project, Cultural Resources Section of the Draft Environmental Impact Statement (DEIS), Humboldt and Pershing Counties, Nevada:*** Mr. Demuth as Program Manager was responsible for co-writing and technical editing the cultural resource section to the Hycroft Mine Expansion DIES, the Supplemental Class III Cultural Resources report, the proposed Treatment Plan, and Discovery Plan, for EnviroScientist, Inc., Allied Nevada Gold Corp., and the USDI BLM.

***City of Reno, Truckee Meadows Flood Control Project, Washoe County, Nevada.*** Mr. Demuth as Project Manager was responsible for third party adequacy review and comment on the U.S. Army Corp of Engineer EIS/ General Reevaluation Report (GRR) on behalf of the City of Reno and the authorship and integration of necessary section to allow the Federal Highway Administration (FHWA) to use the DEIS/FEIS to amend the 1996 “Virginia Street & Center Street Bridges Memorandum of Agreement” (MOA) with the SHPO covering the previous replacement of the Center Street Bridge and the rehabilitation of the Virginia Street Bridge (VSB).

***Undisclosed Mine Project, Cultural Resources Section of Draft Environmental Impact Statement (EIS), Humboldt County, Nevada:*** Responsible for writing and technical editing of the preliminary draft cultural resource section of a mining EIS through Western Cultural Resource Management, Inc.

***Round Mountain Mine Project, Cultural Resources Section of Draft Environmental Impact Statement (EIS), Nye County, Nevada:*** Responsible for writing and technical editing of the preliminary draft cultural resource section to the Round Mountain EIS for the third-party EIS consultant through Western Cultural Resource Management, Inc.

***Robinson Mine Project, Cultural Resources Section of Environmental Impact Statement (EIS), White Pine County Nevada:*** Responsible for writing and technical editing of site synopsis for the cultural resource section to the Magma Robinson Project EIS for Magma Copper Company and the USDI BLM through Western Cultural Resource Management, Inc.

***Quartz Mountain Gold Project, Draft Environmental Impact Statement, Lakeview, Oregon:*** Managed collection and integration of 13 subcontracted discipline sections for USDA Forest Service Preliminary EIS for proposed mine on Fremont National Forest in Oregon. Coordinated with Forest Service Interdisciplinary team to assure NEPA compliance and consistency throughout document production. Work performed for Galactic Services, Inc. and the USDA Forest Service – Fremont National Forest.

***Sherwin Ski Area, Draft Environmental Impact Statement, Mammoth Lakes, California:*** Provided editing and document and graphics production of a third-party draft EIS on the Sherwin Ski Area near the Town of Mammoth Lakes, Mono County, California, for USDA Forest Service – Inyo National Forest.

## ENVIRONMENTAL ASSESSMENTS

***Hycroft Mine Well Field Project, Cultural Resources Support, Humboldt and Pershing Counties, Nevada:*** Mr. Demuth as Program Manager was responsible for cultural resource management for the project including long-range NEPA planning for Allied Nevada Gold Corp., and the USDI BLM.

***Undisclosed Land Exchange Project, Final Environmental Assessment, Elko County, Nevada:*** WESTEC with Mr. Demuth's technical assistance prepared an EA involving a land exchange. The EA analyzed potential impacts resulting from the exchange of approximately 25,597 acres of privately-owned (offered lands for approximately 25,365 acres of (selected) public lands administered by the Bureau of Land Management (BLM), Elko District Office. The implementation of the project would result in the consolidation of private land ownership and reduce public checkerboard status in Elko County. Work performed for WESTEC, Inc.

***Ivanhoe Gold Mine, Draft Amended Environmental Assessment – Drilling Program, Winnemucca, Nevada:*** Managed and prepared draft amended EA for a 1,500-acre exploratory drilling program located 90 miles north of Winnemucca, Nevada. Administered subcontractors' work on cultural resources, topography, soils, vegetation, wildlife, and unique and other biotic resources sections. Work performed for Ivanhoe Gold Company and USDI BLM, Elko Resource Area.

***Ivanhoe Gold Mine, Environmental Assessment – Drilling Program, Winnemucca, Nevada:*** Managed and prepared EA for an exploratory drilling program, located 90 miles north of Winnemucca, Nevada. Appropriate mitigation actions were developed for all impacts. The major element in the EA was the cultural resources of the Tosawihl Quarries 26EK3032. Work performed for Touchstone Resources Company.

***Ivanhoe Gold Mine, Environmental Assessment – Mine Plan, Winnemucca, Nevada:*** Conducted comprehensive review and technical edit of plan of operation and third-party EA for Galactic Services, Inc. and USDI BLM, Elko Resource Area. All phases of the EA were completed and approved by the BLM.

***Coyote Spring Valley / Garfield Flat Florida Land Exchange, Draft Environmental Assessment, Southern Nevada:*** While previously employed, Mr. Demuth provided editing and document and graphics production of an EA that addressed the ramifications of exchanging 45,000 acres of BLM-administered lands in southern Nevada for 4,500 acres of privately owned lands situated in the Everglades of Florida for Aerojet Nevada and USDI BLM through Resource Concepts, Inc. The EA was prepared as a supportive document presented before Congress.

***Crofoot Mine, Environmental Assessment, Humboldt County, Nevada:*** While previously employed, Mr. Demuth provided editing and document and graphics production of a third-party EA for a gold mine and heap leach recovery process in Humboldt County, Nevada, for Hycroft Resources and USDI BLM, Winnemucca District, through Resource Concepts, Inc.

***Laughlin Golf Course Project, Environmental Assessment, Laughlin, Nevada:*** While previously employed, Mr. Demuth provided editing and document and graphics production of a third-party EA regarding a proposed 18-hole golf course and outdoor recreation facility in Laughlin, Nevada, for Laughlin Community Recreational Center, Inc, through Resource Concepts, Inc.

***Grantsville Mine, Environmental Assessment, Nye County, Nevada:*** While previously employed, Mr. Demuth provided editing and document and graphics production of a third-party EA for a silver mine and heap leach recovery process in Nye County, Nevada, for Fury Explorations and USDA Forest Service – Austin District, through Resource Concepts, Inc.

## ENVIRONMENTAL IMPACT REPORTS

***Los Angeles County Metropolitan Transportation Authority, Regional Connector Project, Los Angeles, California.*** Mr. Demuth authored the methodology section for the visual and aesthetic section of the Environmental Impact Statement for the planned Regional Connector project for MTA/Metro – a variety of alternatives representing various modes were being studied, including bus rapid transit, light rail transit and heavy rail transit for bridging a two-mile gap between three separate light rail systems through the urban core of downtown Los Angeles.

***Port of Los Angeles, Plains Project, Final EIS/EIR, Los Angeles, California.*** Mr. Demuth as Program Manager was responsible for CDM's lead role in completing the CEQA/NEPA documentation for the Pacific L.A. Marine Terminal ("Plains") project. The Draft SEIS/SEIR for this project was prepared by another firm and was been released for public comment. CDM was coordinating and preparing responses to comments; preparing and revising the administrative draft Final SEIS/SEIR; finalizing, printing, and distributing the Final SEIS/SEIR; and attending the Final EIR Public Hearing before the Board of Harbor Commissioners (BOHC).

***Hayden Hill Mine Project, Cultural Resources Section of Draft Environmental Impact Report (EIR), Lassen County, California:*** Responsible for technical editing and document production of the cultural resource section to the Hayden Hill screencheck draft EIR for Hayden Hill Operating Company, Inc. through Western Cultural Resource Management, Inc.

***Bodie Mine Project, Environmental Impact Report – Drilling Program, Bodie, California:*** Responsible for technical editing, document production, and graphics for screen check draft and draft EIR prepared by Bodie Consolidated Mining Company and their technical team composed of regional experts in eleven different resource fields.

***Bijou Park and Golf Course, Environmental Impact Report and Statement, South Lake Tahoe, California:*** Provided editing and document and graphics production of a third-party EIR / EIS for the City of South Lake Tahoe, California, and the Tahoe Regional Planning Agency (TRPA).

## ENVIRONMENTAL SITE ASSESSMENTS

***Mapes Hotel Phase II Environmental Site Assessment, Reno, Nevada:*** The Environmental Team consisting of Summit Envirosolutions, WESTEC, and MADCON completed a Phase II ESA which included geophysical survey of historic underground storage tanks (USTs); exploratory subsurface soil investigation – USTs (including soil sample collection and analysis); identification of potentially hazardous substances; transformer PCB content testing; and project reporting. Work performed for Summit Envirosolutions, Inc. and the City of Reno, Reno Redevelopment Agency.

## PERMITS & PERMITTING

***CR Briggs Corporation – Briggs Project, Final Environmental Quality Assurance / Compliance Plan / Handbook, Inyo County, California:*** Managed and prepared compilation of the mitigation and reclamation requirements for the construction, extraction, processing, closure, and reclamation of the CR Briggs Corporation – Briggs Project. This easy and quick reference is further intended to be a short summary of the project, the benefits derived from the project, and the way the project is to look upon completion of mining and reclamation. The USDI BLM – Ridgecrest Resource Area and County of Inyo requirements are shown in detail, and respective inspection and enforcement responsibilities are indicated.

***Fortune Cookie Placer Mine Project, Operating Permits, Pershing County, Nevada:*** Managed and prepared zero discharge permit monitoring plan, application for a water pollution control permit, application for air quality permit to construct / operating permit, and application for NDOW industrial artificial pond permit for East West Minerals Inc. and Nevada Department of Environmental Protection.

***Lower Olinghouse Placer Mine Project, Zero Discharge Permit, Washoe County, Nevada:*** Managed and completed zero discharge permit monitoring plan and application for a water pollution control permit for New Gold Inc. and Nevada Department of Environmental Protection.

***Ivanhoe Gold Mine, Water Rights Permitting Program, Winnemucca, Nevada:*** Managed the permitting strategy for 331.2-million-gallon water rights program for production water for Ivanhoe Gold Mine.

***Midas Bar and Pack Station, Water Rights Permits, Midas Nevada:*** Completed work on all water rights permitting and support documentation for BLM right-of-way for water supply for Midas Bar & Pack Station and discovery work related to law suit against semi-municipal water supply for Midas, Nevada, on behalf of Les and Bev Matson.

## LAND USE PLANNING

***City of Reno Annexation Program, Washoe County, Nevada:*** The Environmental Team consisting of Stantec and MADCON completed an annexation program to annex 38 separate county islands within the City of Reno. Work performed for Stantec, Inc. and the City of Reno, Community Development Department.

## STORM WATER POLLUTION PREVENTION PLANS

***Undisclosed Mine Project, Storm Water Pollution Prevention Plan for Construction Activities, Humboldt County, Nevada:*** Prepared SWPPP for construction activities for the proposed expansion both vertically and horizontally of the existing tailings storage facility encompassing approximately 580 acres in its ultimate configuration. A potential borrow location will encompass a maximum of 99 acres if fully utilized. The SWPPP requires implementation of Best Management Practices (BMPs) to control and abate the discharge of pollutants in storm water discharges constitute compliance with Best Available Technology Economically Available (BAT) / Best Conventional Pollutant Control Technology (BCT) requirement and with requirements to achieve water quality standards. The SWPPP consists of detailed descriptions of the project background, site

characteristics, facility information, best management practices, periodic evaluation and reporting, and plan certification. Work performed for WESTEC, Inc.

***Undisclosed Mine Project, Storm Water Pollution Prevention Plan for Industrial Activities, Humboldt County, Nevada:*** Prepared SWPPP for industrial activities for proposed project consisting of open pit mines, overburden and interburden storage areas, dewatering water treatment and disposal facilities, milling circuits, tailings storage facilities, dump leach processing circuits, and ancillary facilities. The SWPPP requires implementation of Best Management Practices (BMPs) to control and abate the discharge of pollutants in storm water discharges constitute compliance with Best Available Technology Economically Available (BAT) / Best Conventional Pollutant Control Technology (BCT) requirement and with requirements to achieve water quality standards. The SWPPP consists of detailed descriptions of the project background, site characteristics, facility information, best management practices, periodic evaluation and reporting, and plan certification. Work performed for WESTEC, Inc.

***CR Briggs Corporation – Briggs Project, Storm Water Pollution Prevention Plan for Construction Activities, Inyo County, California:*** Managed and prepared SWPPP for construction activities for proposed project consisting of the construction and operation of an open pit gold and silver mining operation, associated heap leaching facility, and ancillary facilities. The SWPPP requires implementation of Best Management Practices (BMPs) to control and abate the discharge of pollutants in storm water discharges constitute compliance with Best Available Technology Economically Available (BAT) / Best Conventional Pollutant Control Technology (BCT) requirement and with requirements to achieve water quality standards. The SWPPP consists of detailed descriptions of the project background, site characteristics, facility information and construction activities, best management practices, periodic evaluation and reporting, and plan certifications.

***CR Briggs Corporation – Briggs Project, Storm Water Pollution Prevention Plan for Construction Activities, Inyo County, California:*** Managed and prepared SWPPP for industrial activities for proposed project consisting of open pit gold and silver mining operation, associated heap leaching facility, and ancillary facilities. The SWPPP requires implementation of Best Management Practices (BMPs) to control and abate the discharge of pollutants in storm water discharges constitute compliance with Best Available Technology Economically Available (BAT) / Best Conventional Pollutant Control Technology (BCT) requirement and with requirements to achieve water quality standards. The SWPPP consists of detailed descriptions of the project background, site characteristics, facility information, best management practices, periodic evaluation and reporting, and plan certification.

## BIBLIOGRAPHIES

***Yucca Mountain Nuclear Waste Project, The Southern and Central Great Basin; Southern Paiute and Eastern Shoshone Bibliography: 1969-1990, Clark, Lincoln, and Nye Counties, Nevada:*** Performed editing, formatting, and word processing for compilation of 1,057 abstracted and indexed bibliographical citations for Mary K. Rusco and the Nevada Nuclear Waste Project Office.

## SAFETY DOCUMENTS

***Western Cultural Resource Management, Inc. Workplace & Field Safety Program:*** Responsible for preparation and updating of company-wide behavioral-based safety (BBS) health and safety policy and training program including specific programs: Bloodborne Pathogens Exposure Control Plan (ECP); Changing Tires on a Truck; Cold Stress; Distracted Driving and the use of Handheld Devices while Driving; Emergency Action Plan (EAP); Fatigue Management; Fire Protection / Extinguishers; First Aid Kits; First Aid and CPR Training; Heat Emergencies; High Altitude Work; Hantavirus Pulmonary Syndrome (HPS); Incident Investigation and Reporting; Jump Starting a Truck; Ladders; Meth Lab Identification; Mine Site Explosives in the Field; Personal Protective Equipment (PPE); Short Service Employees (SSE); Stop Work Authority; Trenching / Shoring /

Excavations; Valley Fever (Coccidioidomycosis); Vehicle Backing Safety; Wild Fire Smoke; and Working around Mining Features (Abandoned Mines).

***Western Cultural Resource Management, Inc. Hazard Communication Program & Globally Harmonized System:*** Responsible for preparation and updating of company-wide Hazard Communication Program (HAZCOM) including information required by the Globally Harmonized System of classification and labeling of chemicals.

***CR Briggs Corporation – Briggs Project, Safety Manual and Injury and Illness Prevention Program, Inyo County, California:*** Responsible for technical editing and document production of the CR Briggs Corporation – Briggs Project, Safety Manual and Injury and Illness Prevention Program, including production of 300 personal use sized manuals for distribution to employees.

## SITING PROPOSALS

***State of Nevada's Response to Department of Energy's Invitation for Site Proposals for the Superconducting Super Collider (SSC): 13 Volume Application, Near Winnemucca, Nevada:*** Provided project management on the editing and document / graphics production of the State of Nevada's response to the DOE's invitation for site proposals for the Super Conducting Super Collider (SSC) project being considered at the time by the DOE, involving the design and construction of a federal research laboratory to conduct experiments in high energy physics. Work completed for the Nevada Commission on Economic Development and the U.S. Department of Energy.

## Field Experience (Selected):

***Port of Los Angeles, Streamlining CEQA/NEPA Documents, Los Angeles, California.*** Mr. Demuth as Program Manager was responsible for CDM's lead role in providing technical support for the development of recommendations for streamlining the Port of Los Angeles' (POLA) CEQA/NEPA documents in the following three areas: enhancing the Executive Summary so it provides a more complete, standalone summary of the document; increasing the accessibility of report data by the public; and reduction in the size of Text and Appendices Volumes.

***City of Reno, Public Works Department, ReTRAC Enhancement Project, Reno, Nevada.*** For the Reno Public Works Department, Mr. Demuth as Environmental Program Manager provides project management environmental services related to covering a portion of the ReTRAC trench (\$4.3 million-dollar construction project). Specific studies focused on the proposed tunnel included air quality (idling trains in the tunnel resulting in air quality impacts and potential affects to disembarking train passengers at the nearby Amtrak Station); noise; traffic; cultural resources including the affects to enhancing the streetscape along Virginia Street; public safety and emergency response; and trench safety related to derailment and hazardous materials. Phase II of the work included Design-build Construction Specifications, Owner's Design Verification, Independent Third-Party System Commissioning Verification, and Owner's O&M Manual

***HUD NEPA oversight for Mississippi Development Authority CDBG Long-Term Workforce Housing Program.*** Mr. Demuth as Senior Technical Advisor provided initial technical guidance establishing the program to oversee and expedite sub-recipient execution of NEPA review for 36 projects, representing approximately 4900 housing units totaling \$350M in HUD CDBG support for workforce housing post-Katrina. Supported development of policies and procedures for workflow organization among primary client, technical staff, and program sub-recipients.

***City of Reno, Public Works Department, ReTRAC Project, Reno, Nevada:*** Mr. Demuth was retained by the Public Works Department to provide Project Management Environmental Services including all necessary task associated with NEPA, planning, permitting, and implementing all regulatory and code compliance standards,

and assuring that all mitigation measures included in the Reno Railroad Corridor (\$186 million dollar construction project) EIS Record of Decision (ROD) are fully implemented.

Major documents produced for this project include:

- TP 8.3: Mitigation Monitoring Program (MMP). March 29, 2002. 28pp.
- TP 8.3 Appendix A: Surface Water Protection Plan. March 29, 2002. 64pp.
- TP 8.3 Appendix B: Emergency Response Plan. March 29, 2002. 135pp.
- TP 8.3 Appendix C: Permits and Conditions. May 1, 2002. 67pp.
- TP 8.3 Appendix C: Permit Application Materials. April 19, 2002. 122pp.
- TP 8.3 Appendix D: Air Quality Control Measures. March 29, 2002. 10pp.
- TP 8.3 Appendix E: Noise Mitigation Specifications. March 29, 2002. 13pp.
- TP 9.1.1: Report of Water Sampling and Analyses. March 29, 2002. 88pp.
- TP 9.1.2: Site Mitigation Plan for Contaminants in Groundwater. March 29, 2002. 23pp.
- TP 9.2.1: Report of Sampling and Analysis for Soils, Volume 1. January 16, 2002. 271pp.
- TP 9.2.1: Report of Sampling and Analysis for Soils, Volume 2. January 16, 2002. 660pp.
- TP 9.2.1.8: Technical Memorandum Statistical Evaluation of ReTRAC Soil Data. May 1, 2002. 334pp.
- TP 9.2.2: Soils Management Plan (SMP). March 29, 2002. with revised Attachment 4: April 26th Letter dated May 1, 2002 and revised Attachment 5: Definitions dated May 1, 2002. 139pp.
- Soils Management Plan (March 29, 2002) 133 pp.
- Asbestos and Lead-based Paint Survey Report. March 8, 2002. 406pp.
- Report on Construction Materials Testing – Glory Hole Excavation. March 6, 2002. 38pp.
- Treatment and Discovery Plan for the Reno Railroad Corridor. June 25, 2001. 73pp.
- Union Pacific Railroad Second Street Underpass: Photographs, Written Historical and Descriptive Data. 19 pp.
- Sensitive Bat Species Survey Report ReTRAC Project, Reno, Nevada. May 16, 2001. 9 pp.
- Nonsite Testing Plan Along the Reno Railroad Corridor. April 2001. 67 pp.
- Report of Water Sampling and Analyses of ReTRAC Water Treatment and Disposal, City of Reno, Nevada. February 14, 2001. 88 pp.
- Formal Application of the City of Reno for Federal Funding under the Transportation Infrastructure Finance & Innovation Act (TIFIA) for the ReTRAC Project. June 30, 2000.
- City of Reno's Comments on the Preliminary Administrative "Reno Railroad Corridor – Reno, Nevada – Draft Environmental Impact Statement". March 23, 2000
- Final – Proposed ReTRAC Project "Plan". May 7, 1999.

***Nevadans for Fast and Responsible Action, UP/SP Railroad Merger Environmental Data Collection and Mitigation Evaluation Program, Washoe County, Nevada:*** The Environmental Team consisting of Environmental Management Associates, WESTEC, and MADCON was retained by McDonald, Carano, Wilson, McCune, Bergin, Frankovich & Hicks representing Nevadans for Fast and Responsible Action (NFRA), to provide program coordination and environmental oversight services (including scoping) to NFRA and the completion of a traffic/delay analysis working by Meyer, Mohaddes Associates, Inc. (MMA) who was analyzing a variety of traffic variables including delays, levels of service, and signalization at 13 at-grade railroad crossings in the downtown area of Reno, as well as a variety of train scenarios from 1995 to 2015; an air quality assessment by Air Sciences Inc. (ASI) who was determining the threshold/level of significance associated with a variety of train scenarios from 1995 to 2015; and a noise analysis by Brown-Buntin Associates, Inc. (BBA) who was generating a series of railroad noise contours based on the number, speed, and length of trains. The Environmental Team also completed a safety analysis by calculate the railroad related injuries in accordance with Federal Railroad Administration (FRA) requirements for a variety of railroad operational scenarios.

***Autumn Productions, Inc., Corporate Management, Reno, Nevada:*** Consulted for API from 1989-1995 providing business management services, including day to day operation, purchasing, and distribution of their product.

***Welsh Engineering Science & Technology, Inc. (WESTEC), Administrative Services, Reno, Nevada:*** Consulted for WESTEC on a retained 1-contract, including technical editing / writing, environmental document preparation, and document production / publication consulting.

***Ivanhoe Gold Mine, Production Water Program, Winnemucca, Nevada:*** Managed \$1.3 million production water procurement project during the preconstruction and construction of the Ivanhoe Gold Mine. Accountable directly to mine manager of Ivanhoe Gold Company and responsible for the exploration, drilling and production of five water wells. The three-phase program consisted of completion of existing drilled production wells with production pumps; contract design of pipeline, storage tanks, and delivery system; production drilling of two additional water wells; airlift pump testing; equipping with pumps and totalizing meters; and initiating and administering an exploration drill program of more than 10,000 feet of borehole in search of water for future needs.

## **Other Experience (Selected):**

### **BASELINE STUDIES DOCUMENTS**

***Bureau of Reclamation, Klamath Dam Decommissioning and Removal Liability Analysis, California and Oregon.*** Mr. Demuth as Project Planner completed the cultural resources (pre-historic and historic resources) liability identification and costing for four potential dam decommissioning and removals on the Klamath River in Oregon and California. Additionally, Mr. Demuth managed the liability analysis of aesthetics, safety, and real estate.

***Quartz Mountain Gold Project, Baseline Studies Document, Lakeview, Oregon:*** Managed collection and integration of 13 subcontracted discipline sections of Proponent's Comprehensive Baseline Study for proposed mine on Fremont National Forest in Oregon. Work performed for Steffen Robertson & Kirsten and Galactic Services, Inc. (GSI), and the USDA Forest Service – Fremont National Forest.

### **PLANS OF OPERATIONS**

***Robinson Mine Project, 1993 Revised Plan of Operations (POO), White Pine County Nevada:*** Responsible for updating and technical editing of Robinson Mine Plan of Operations (POO) prepared to provide BLM with a description of the proposed project, including planned reclamation activities, and to aid BLM in determining the potential for environmentally significant impacts to occur.

***Fortune Cookie Placer Mine Project, Plan of Operations, Pershing County, Nevada:*** Managed and prepared a plan of operations for the Fortune Cookie Placer Mine Project for East West Minerals Inc. and Nevada Department of Environmental Protection.

***Lower Olinghouse Placer Mine Project, Plan of Operations, Washoe County, Nevada:*** Managed and prepared a plan of operations for the Olinghouse Placer Mine Project for New Gold Inc. and Nevada Department of Environmental Protection.

### **SPECIFICATIONS FOR SUBCONTRACTORS**

***Buffalo Gulch Project, Environmental Impact Statement Specifications for Subcontractors, Idaho:*** Prepared and compiled comprehensive specifications for subcontractors for completion of an EIS for the Buffalo Gulch Project under the supervision of Steffen Robertson & Kirsten and Idaho Gold Corporation.