

JONATHAN E. FULLER, PE, RG, PH, CFM
Publications List

Juried Publications

Discussion, "Preferred Directions of Flow on Alluvial Fans" by R.H. French in ASCE Journal of Irrigation and Drainage, April 1992. With J. O'Brien.

"Alluvial Fans: Proposed New Process-Oriented Definitions for Arid Southwest" September/October, 1993, ASCE Journal of Water Resources Planning and Management, Vol. 119, No. 5, p 588-599. With R.H. French (lead author) and S. Waters.

"Hydrological and Paleohydrological Assessment of the 1993 Floods on the Verde River, Central Arizona, 1995," Arizona Geological Survey Open File Report 95-20. With P.K. House (lead author), and P.A. Pearthree.

"An Assessment of the Paleoflood Hydrology Methodology: Analysis of the 1993 Flood on Tonto Creek, Central Arizona," 1996, Arizona Geological Survey Open File Report 96-12. With P.K. House, and P.A. Pearthree, 1996.

Proceedings Papers and Other Publications

"Misapplication of the FEMA Alluvial Fan Model: A Case History," 1990, in Hydraulics/Hydrology of Arid Lands (H2AL): Proceedings of the International Symposium, San Diego, California, July, 1990, R.H. French, editor.

"Application of Geological Information to Arizona Flood Hazard Assessment," 1990, in Hydraulics/Hydrology of Arid Lands (H2AL): Proceedings of the International Symposium, San Diego, California, July, 1990, R.H. French, editor. With V.R. Baker and others.

"The Alluvial Fan Data Collection and Monitoring Study, Maricopa County, Arizona," 1992, in Multi-Objective Approaches to Floodplain Management, Proceedings of the Sixteenth Annual Conference of the Association of State Flood Plain Managers Annual Conference, Grand Rapids, Michigan, May 1992. With S. Waters, S. Walker, and R.H. French.

"Theoretical and Technical Deficiencies in the FEMA Alluvial Fan Model," 1992, in Multi-Objective Approaches to Floodplain Management, Proceedings of the Sixteenth Annual Conference of the Association of State Flood Plain Managers Annual Conference, Grand Rapids, Michigan, May 1992. With R.H. French.

"An Identification Matrix For Defining Types of Alluvial Fans," 1992, in Multi-Objective Approaches to Floodplain Management, Proceedings of the Sixteenth Annual Conference of the Association of State Flood Plain Managers Annual Conference, Grand Rapids, Michigan, May 1992. With P.A. Pearthree.

"Use of Historic Data vs. Engineering Methods in Channel Design," 1992, in Multi-Objective Approaches to Floodplain Management, Proceedings of the Sixteenth Annual Conference of the Association of State Flood Plain Managers Annual Conference, Grand Rapids, Michigan, May 1992.

"Development of a Management and Maintenance Plan for the Reach of the Jordan River Which Extends From the Utah/Salt Lake County Line to 2100 South" 1992. Abstract printed for 3rd Annual NPS Conference, October 1-2, 1992, Salt Lake City, Utah. With C. Bagley.

"The FEMA Alluvial Fan Model: Implications for Land Use and Flood Damage Planning" 1992, Proceedings of the Arid West Conference, Las Vegas, Nevada, December 1992. With R.H. French.

"Different Types of Fluvial Systems on Desert Piedmonts and Their Associated Flood Hazards" 1992, Proceedings of the Arid West Conference, Las Vegas, Nevada, December, 1992. With P.A. Pearthree.

"The Alluvial Fan Data Collection and Monitoring Study: Maricopa County, Arizona" 1992, Proceedings of the Arid West Conference, Las Vegas, Nevada, December 1992. With R.H. French, S. Waters, S. Walker.

"Alluvial Fan: Subset Definitions," 1993, Engineering Hydrology, Proceedings of the ASCE Hydraulics Division Conference, San Francisco, CA July 25-30, 1993. With R.H. French and S. Waters, p. 276-281.

"Management of Riverine Erosion Hazards on the Jordan River, Salt Lake County, Utah," 1993, Proceedings of the American Water Resources Association 29th Annual Conference, August 1993, Tucson, AZ.

"State Ownership of Navigable Watercourses in Arizona," 1993, Proceedings of the American Water Resources Association 29th Annual Conference, August 1993, Tucson, AZ.

"A Definition of Navigability for Arizona Streams," 1993, Arizona Floodplain Management Association Newsletter, Vol. 12, No. 3, September, p. 1-3.

"Identification of and Development Within Sheet Flow Areas," 1993, Arizona Floodplain Management Association Newsletter, Vol. 12, No. 3, September, p. 7.

"Floodway Modeling of Supercritical Streams," 1993, Arizona Floodplain Management Association Newsletter, Vol. 12, No. 3, September, p. 8-9.

“A Definition of Navigability for Arizona Streams,” 1994, Arizona Hydrological Society Fall Symposium, Scottsdale, Arizona.

“ALERT-Based Dam Operations Plan for the Rillito Recharge Project,” 1995, Proceedings of the Arid West Conference, San Diego, California, January, 1995. With J. Fonseca.

“Public Ownership of Navigable Streams and Floodplains,” 1996, Proceedings of the Association of State Flood Plain Managers Conference - Abstracts, San Diego, California, May 1996.

“Use of Geomorphic Data for Assessing Stream Stability at Bridge Structures,” 1996, Proceedings of the American Society of Civil Engineers Conference - Water Resources Division, Anaheim, California, June 1996. With Steve Walker.

“River Stability Study for the City of St. George, Utah,” 1997, Proceedings of the Arid West Conference, Laughlin, Nevada, March 19-21, 1997. With Craig Bagley and Jay Sandberg.

“Geomorphic and Floodplain Evaluation for the Walker River Restoration Project,” 1999, Proceedings of Association of State Flood Plain Managers – National Conference, Portland, Oregon, May 1999.

“Geomorphic Analysis of Flood Control Structure Design: Vicee Canyon Flood of January 1997, Carson City, Nevada,” 1999, Association of State Flood Plain Managers – National Conference, Portland, Oregon, May 1999.

“Geomorphic Analysis of Flood Control Structure Design: Vicee Canyon Flood of January 1997, Carson City, Nevada,” 1999, Association of State Flood Plain Managers - Arid West Conference, November 1999, Laughlin, Nevada.

“Geomorphic and Floodplain Evaluation for the Walker River Restoration Project,” 1999, Association of State Flood Plain Managers - Arid West Conference, November 1999, Laughlin, Nevada.

“Floodplain and Floodway Delineation Using Geomorphology,” 2001, Association of State Flood Plain Managers – Arid West Conference, February, 2001, Albuquerque, New Mexico.

“Floodplain and Floodway Delineation Using Non-Traditional Methods,” 2002, Association of State Flood Plain Managers National Conference, June, 2002, Phoenix, Arizona.

“Application and Assessment of Engineering and Geomorphic Techniques to Predict Riverine Erosion in the Arid Southwest,” 2002, Association of State Flood Plain Managers National Conference, June, 2002, Phoenix, Arizona.

"Geomorphology for Floodplain Managers," 2003, New Mexico Floodplain Management Association Annual Conference, April 2003, Albuquerque, New Mexico.

Reports

"Cation-Ratio Dating of Geomorphic Surfaces Using Desert Varnish, Sheep Range, Yuma County, Arizona," 1986, University of Arizona Dept. of Geosciences.

"Late Holocene Flooding within the Salt River Basin, Central Arizona" 1986 University of Arizona, Tucson, Dept. of Geosciences. With J. O'Connor and V.R. Baker.

"Paleoflood Analysis of the Alluvial Salt River," 1986, Tempe and Phoenix, Arizona, M.S Prepublication Manuscript, University of Arizona, Dept. of Geosciences.

"A Paleohydrologic Reconstruction of the October 1983 Flood Discharge of Aravaipa Creek, Arizona" 1986, Report to the Bureau of Land Management -Safford District.

"Hydrologic and Hydraulic Analysis and Recommended Guidelines for Millstone Manor #6, Tucson, Arizona" 1988. Report to the Pima County Flood Control District-Development Division.

"Hydrologic and Hydraulic Report for Sutherland Wash, Pima County, Arizona" 1988. Report to the Pima County Flood Control District-Development Division.

"Hydrologic Investigation for the Lee Moore Wash Watershed, Pima County, Arizona" 1988. Report to the Pima County Flood Control District.

"Hydrologic/Hydraulic Report in Support of Letter of Map Amendment for Woodland Wash, Pima County, Arizona" 1988. Report prepared for the Pima County Flood Control District.

"Black Wash Floodway Study, Sandario Road to Los Reales Road, Pima County, Arizona" June, 1988. Report to the Pima County Flood Control District.

"Felix Floodplain Use Permit Denial: HEC-2 for Santa Cruz River Near Old Nogales Highway" Report to Pima County Flood Control District, November, 1988.

"Floodplain Delineation for Pima Canyon Wash" March, 1989. Report to the Pima County Flood Control District.

"Franco Wash Hydrology Study" 1989. Report to the Pima County Flood Control District.

"Hughes Wash Hydrology Study" 1989. Report to the Pima County Flood Control District.

"Analysis of the Effects of In-Stream Sand and Gravel Mining on Pantano Wash, Pima County, Arizona," 1989, Report to the Pima County Flood Control District^{3/4}Flood Control District Advisory Committee.

"Off-Site Hydrology Report for the Eastern Transportation Corridor-Laguna Interchange (Interstate 5), Orange County, California" November, 1990. Report to the Orange County Transportation Authority/Corridor Design Management Group.

"Hydrologic/Hydraulic Report in Support of a Letter of Map Revision for Avenal, California" 1991. Report to the City of Avenal, California.

"Hydrologic Analysis of Town Wash, Mesquite, Nevada (Clark County), Request for Letter of Map Revision" 1990. Report to the City of Mesquite, Nevada and the Clark County Flood Control District.

"Sediment Engineering Investigation for Coyote Creek, Santa Clara County, California" December, 1991. General Design Memorandum for Coyote Creek Flood Control Project, Appendix B. Report to the U.S. Army Corps of Engineers, Sacramento District and the Santa Clara Valley Water District.

"Off-Site Hydrology Report for State Route 86, Imperial Valley, California" 1992. Report to Caltrans Region VIII. With H. Allen.

"Bridge Hydraulics Report for Tamarack and Trifolium Crossings, State Route 86, Imperial Valley, California" 1992. Report to Caltrans Region VIII and Imperial Irrigation District. With H. Allen.

"The Alluvial Fan Data Collection and Monitoring Study" 1992. Report to the Flood Control District of Maricopa County, 2 Volumes.

"Bridge Hydraulics Report for Interstate 5 Proposed Highway Widening Project - Aliso and Oso Creeks, Orange County, California" 1992. Report to Caltrans Region IX.

"Hydrologic, Paleoflood, and Geomorphic Analysis of Fossil Creek, Childs, Arizona", 1992. Report to the Arizona Public Service Company.

"The Jordan River Stability Study" 1993. Report to the Salt Lake County Department of Public Works, 3 Volumes.

"State Standard for Identification of and Development Within Sheet Flow Areas", April 1993. Report to the Arizona Department of Water Resources.

"State Standard for Modeling Supercritical Floodways", April 1993. Report to the Arizona Department of Water Resources.

"Bridge Hydraulics Report - Interstate 5 Bridges at Aliso Creek, Oso Creek, and San Fernando Rivers" 1993 Report to Caltrans, Region VIII.

"Flood Insurance Study for Iona Wash, Maricopa County, Arizona" 1993. Report to the Flood Control District of Maricopa County.

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"Paleoflood Hydrology: An Assessment Of The Methodology Based On 1993 Flood Data for the Salt And Verde Rivers, Arizona" 1994. Report to the Salt River Project - Hydrology Division.

"Bridge Hydraulics Report - Interstate 10 Bridge at San Gabriel River" 1994. Report to Caltrans, Region IX and Corps of Engineers, LA District.

"Area Master Drainage Study for Clarkdale, Arizona, Yavapai County. 1994. Report to the Flood Control District of Yavapai County.

"Drainage Report for Sky Hi Retreat, Pinetop, Arizona" 1994. Report to the Navajo County Flood Control District.

"Rillito Recharge Project Dam Operations Plan," 1994. Report to the Flood Control District of Maricopa County.

"Rawhide Wash Detention Basin Feasibility Study," 1994. Report to the Rawhide Wash Regional Improvement Committee.

"Drainage Report and Sedimentation Study for Casandro Wash Detention Basin," 1994. Report to Flood Control District of Maricopa County for CH2M HILL.

"A Study to Evaluate Existing Methods for Determining Peak Discharges for Ungaged Watersheds in Arizona," 1995. Report to the Arizona Department of Water Resources and the Arizona State Standards Work Group.

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“Conceptual Drainage Report for Scottsdale International Commerce Center, Parcel D (9471) Rezoning Request,” 1995. Report to Larson, Voss Associates for Osborn Management, Scottsdale, Arizona.

“Drainage Report for Mirage Summit Rezoning Request,” 1995. Report to Larson, Voss Associates for Scott Properties, Inc, Scottsdale, Arizona.

“Drainage Report for Walnut Springs Subdivision,” 1995. Report prepared for Flying Circle Properties, Inc. Phoenix, Arizona.

“Sinclair Wash Letter of Map Revision,” 1995. Report prepared for VVC, Ltd., Flagstaff, Arizona. With Frank Brown, McLaughlin-Kmetty Engineers.

“Preliminary Drainage Report for Woodland Village Estates, Flagstaff, Arizona,” 1995. Report to Phoenix Engineers.

“Master Plan Update for Mesquite, Nevada,” 1995. Report prepared for Clark County Regional Flood Control District, Las Vegas, Nevada. With CH2M HILL.

“Wagon Wheel Master Drainage Study - Hydrology Report,” 1995. Report to Navajo County Department of Public Works for Cella Barr Associates. Pinetop, Arizona.

“Stream Stability Study - St. George, Utah - Virgin River, Santa Clara River, and Fort Pierce Wash,” 1996. Report to the City of St. George, Utah.

“NDOT Bridge Scour Report - Geomorphology,” 1996. Report to Nevada Department of Transportation, Carson City, Nevada. With CH2M HILL.

“Arizona Stream Navigability Study for the Upper Salt River,” 1996. Report to the Arizona State Land Department, Phoenix, Arizona. With George V. Sabol Consulting Engineers.

“Tatum Wash Sedimentation Study,” 1996. Report to the Flood Control District of Maricopa County, Phoenix, Arizona.

“Drainage Report for Tusayan Wendy’s Flood Control Plan,” 1996. Report to Grand Canyon Development Company.

“Floodplain Encroachment Analysis for the Pima Mine Road Recharge Project,” 1996. Report to the Central Arizona Water Conservation District, Phoenix, Arizona.

“Sedimentation Analysis for Fort Pierce Wash Near River Road,” 1996. Report to the City of St. George, Utah. With CH2M HILL.

“Drainage Report for Westland,” 1996. Report to the City of Scottsdale, for Benton Robb Development.

“Floodplain Encroachment Analysis for the Winona Assembly of God Church,” 1996. Report to Aspey, Watkins & Diesel. With SWCA Environmental Consultants.

“Historical Drainage Pattern Analysis, Paradise Valley, Arizona,” 1996. Report to H. Woodson, Paradise Valley, Arizona.

“Sedimentation Study and LOMR for Las Piedras Subdivision,” 1996. Report to Federal Emergency Management Agency (FEMA) and the City of Scottsdale, Arizona. With DEI Professional Services.

“Navigability Study for the Lower Salt River - Revised Final Report,” 1996. Report to the Arizona State Land Department, Phoenix, Arizona.

“Hydrologic Investigation for Kaibab Estates, Williams, Arizona,” 1996. Report to Arizona Engineering Company, Flagstaff, Arizona.

“Tatum Wash Sedimentation Study - Final Report,” 1997. Report to the Flood Control District of Maricopa County, Phoenix, Arizona.

“Navigability Study for the Upper Salt River,” 1997. Report to the Arizona State Land Department, Phoenix, Arizona.

“Navigability Study for the Upper Gila and San Francisco Rivers,” 1997. Report to the Arizona State Land Department, Phoenix, Arizona.

“Wet Beaver Creek Stability Study,” 1997. Report to the Yavapai County Flood Control District, Prescott, Arizona.

“Geomorphic Assessment of Silverbow Creek, Butte, Montana,” 1997, Report to Clear Creek Hydrology, Helena, Montana.

“Rose Creek Geomorphic Assessment, Salt Lake County, Utah,” 1997, Report to CH2M HILL, Salt Lake City, Utah.

“Hydrologic Report for the Sedona West Pipeline Project,” Report to CH2M HILL, Phoenix, Arizona.

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“Geomorphic Assessment for Big Willow Creek, Salt Lake County, Utah,” Report to CH2M HILL, Salt Lake City, Utah.

“Navigability Study for the Lower Salt River - Revised,” 1997. Report to the Arizona State Land Department, Phoenix, Arizona.

“Navigability Study for the San Pedro River - Revised,” 1997. Report to the Arizona State Land Department, Phoenix, Arizona.

“Hydrologic Report for Morningstar Ranch, Santa Cruz County, Arizona,” 1997. Report to Westland Resources, Inc., Tucson, Arizona.

“Pinal Creek Hydrologic Analysis, Globe, Arizona,” 1997. Report to Westland Resources, Inc., Tucson, Arizona.

“Bridge Scour Analysis for California Avenue Bridge, Salt Lake City, Utah,” 1997. Report to CH2M HILL, Salt Lake City, Utah.

“Field Notes and Geomorphic Assessment of Vicee Canyon, Carson City, Nevada,” 1997. Report to Carson City Public Utilities Department.

“Report on Hydrologic Modeling Techniques for Navajo County, Arizona,” 1997. Report to the Navajo County Public Works Department.

“Geomorphic Assessment of the Gila River at 404 Mitigation Sites Near Safford, Arizona,” 1998. Report to Westland Resources, Inc., Tucson, Arizona.

“Hydraulic Report - Tolleson Area Floodplain Delineation Study, Maricopa County, Arizona,” 1998, Report to Dibble & Associates, Phoenix, Arizona.

“Geomorphic Assessment and Sedimentation Engineering Report for Fiddler, Stephens, and Dry Canyons, Cedar City, Utah,” 1998. Report to Bowen Collins and Associates, Draper, Utah.

“Bullard Wash CLOMR Floodplain Delineation Study,” 1998. Report to Pinnacle Engineering, Scottsdale, Arizona.

“Historical Geomorphology of the Upper Provo River,” 1998. Report to Bowen Collins and Associates, Draper, Utah.

“Sedimentation and Geomorphic Analysis of the January 1997 Flood on Vicee Canyon, Carson City, Nevada,” 1998. Report to Resource Concepts, Inc. and the City of Carson City, Nevada.

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“Geomorphic Assessment and Erosion Hazard Study for the Rio Virgin Subdivision,” 1998. Report to Bush & Gudgell Engineers, St. George, Utah.

“Floodplain Delineation Study and Scour Analysis Report for Pinal Creek,” 1998. Report to Westland Resources, Inc., Tucson, Arizona.

“Forensic Hydrology Report for the Smokerise Subdivision, Flagstaff, Arizona,” 1998. Report to the City of Flagstaff Risk Management Section.

“Hydrologic Modeling Study for Wet Beaver Creek, Yavapai County, Arizona,” 1998. Report to the Yavapai County Flood Control District.

“Hydrology Modeling Study for the City of Williams,” 1998. Report to Arizona Engineering Company.

“Geomorphic Analysis of Skunk Creek at the Tramonto Subdivision, Phoenix, Arizona,” 1999. Report to the City of Phoenix Planning Department.

“Geomorphic Analysis of Aravaipa Canyon,” 1999. Report to the U.S. Fish and Wildlife Service, Phoenix, Arizona.

“Geomorphic Analysis of the Proposed Virgin River Fish Barrier, St. George, Utah,” Report to PBS&J Engineers, St. George, Utah.

“Navigability Study of the Blue River,” 1999. Report to the Arizona State Land Department Drainage and Engineering Section.

“Lateral Stability Assessment Report for Upper Cave Creek, Apache Wash, Paradise Wash, and Desert Hills Wash, Phoenix, Arizona,” 2000. Report to ASL Consulting Engineers.

“Navigability Study of Cienega Creek,” 2000. Report to the Arizona State Land Department Drainage and Engineering Section.

“Navigability Study of Sonoita Creek,” 2000. Report to the Arizona State Land Department Drainage and Engineering Section.

“Navigability Study of Oak Creek,” 2000. Report to the Arizona State Land Department Drainage and Engineering Section.

“Navigability Study of Tonto Creek,” 2000. Report to the Arizona State Land Department Drainage and Engineering Section.

“Navigability Study of West Clear Creek,” 2000. Report to the Arizona State Land Department Drainage and Engineering Section.

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“Navigability Study of Chevelon Creek,” 2000. Report to the Arizona State Land Department Drainage and Engineering Section.

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“Navigability Study of Fish Creek,” 2000. Report to the Arizona State Land Department Drainage and Engineering Section.

“Navigability Study of Eagle Creek,” 2000. Report to the Arizona State Land Department Drainage and Engineering Section.

“Navigability Study of the East Verde River,” 2000. Report to the Arizona State Land Department Drainage and Engineering Section.

“Geomorphic Analysis and Erosion Hazard Analysis for Skunk Tank Wash,” 2000. Report to the Flood Control District of Maricopa County.

“Geomorphic Analysis and Erosion Hazard Analysis for Rodger Creek,” 2000. Report to the Flood Control District of Maricopa County.

“Geomorphic Analysis and Erosion Hazard Analysis for Caterpillar Wash, Twin Buttes Wash, Garambullo Wash, and White Peak Wash,” 2000. Report to Stantec Consulting and the Flood Control District of Maricopa County.

“Geomorphic Analysis and Erosion Hazard Analysis for Morgan City Wash,” 2000. Report to Stantec Consulting and the Flood Control District of Maricopa County.

“Lateral Stability Assessment for Skunk Creek and Sonoran Wash,” 2001. Report to Tetra Tech Inc. and the Flood Control District of Maricopa County.

“Cave Creek Erosion Hazard Analysis – Allred Property,” 2001, Report to the Town of Cave Creek, Arizona.

“Erosion Hazard Analysis for the Estadas de Cholla Subdivision,” 2001, Report to the Town of Cave Creek, Arizona.

“Erosion Hazard Analysis for the Las Ventanas Subdivision,” 2001, Report to the Town of Cave Creek, Arizona.

“Scour and Lateral Stability Analysis for International Sewer Outfall Interceptor Project – Nogales Wash & Potrero Wash, Arizona,” 2002, Report submitted to Westland Resources, Inc., Tucson, Arizona.

“Skunk Creek Erosion Hazard Analysis – Barkley Property,” 2001, Report to the Flood Control District of Maricopa County, Phoenix, Arizona.

“Sols Wash Erosion Hazard Analysis – Rickey Property,” 2002, Report to the Flood Control District of Maricopa County, Phoenix, Arizona.

“Cave Creek Erosion Hazard Analysis – Hoyle Property,” 2002, Report to the Town of Cave Creek, Arizona.

“Galloway Wash Erosion Hazard Analysis – Webster Property,” 2002, Report to the Town of Cave Creek, Arizona.

“Cave Creek – Andora Hills Wash Erosion Hazard Analysis – Allred Property,” 2002, Report to the Town of Cave Creek, Arizona.

“Cave Creek Erosion Hazard Analysis – Bohm Property,” 2002, Report to the Town of Cave Creek, Arizona.

“Galloway Wash Erosion Hazard Analysis – Galloway Property,” 2002, Report to the Town of Cave Creek, Arizona.

“Small and Minor Watercourses Analysis for Yuma County,” 2002, Report to the Arizona State Land Department.

“Small and Minor Watercourses Analysis for La Paz County,” 2002, Report to the Arizona State Land Department.

“Small and Minor Watercourses Analysis for Mohave County,” 2002, Report to the Arizona State Land Department.

“Klondyke Tailings Erosion Study,” 2002, Report to URS Corporation, Phoenix, Arizona.

“Scour and Erosion Analysis for Proposed Beaver Creek Crossing,” 2002, Report to Pender Engineering.

“Geomorphic and Sedimentation Engineering Analysis for the Proposed Quailwood Meadows Bridge Alignment near Prescott Valley, Arizona,” 2002, Report to RBF Consultants, Phoenix, Arizona.

“Lateral Stability Assessment for Agua Fria Tributaries at the Quailwood Meadows Subdivision, Yavapai County, Arizona,” 2002, Report to RBF Consultants, Phoenix, Arizona.

“Reconnaissance Level Erosion Hazard Assessment for the Rio Salado Environmental Restoration Project,” 2002, Report to CH2M HILL, Phoenix, Arizona.

“Review of the Virgin Creek Alluvial Fan Floodplain Delineation, Aleyska, Alaska,” 2002, Report to HDR Engineering, Anchorage, Alaska.

“Conceptual Channelization Plan for the Agua Fria River,” 2002, Report to the Flood Control District of Maricopa County, Phoenix, Arizona.”

“Sedimentation Engineering and Geomorphic Evaluation for the Carefree Drainage Master Plan,” 2002, Report to CH2M HILL and the Flood Control District of Maricopa County, Phoenix, Arizona.

“Sedimentation Alternative Analysis,” 2002, Report to CH2M HILL and the Flood Control District of Maricopa County, Phoenix, Arizona.

“Geomorphic Analysis and Sediment Yield Analysis for the Middle Verde Area Drainage Evaluation Study,” 2002, Report to the U.S. Army Corps of Engineers, Los Angeles District – Phoenix Office Planning Division.

“Rowe Wash Erosion Hazard Analysis – Stine Property,” 2003, Report to the Town of Cave Creek, Arizona.

“Annotated Bibliography on Geomorphic, Hydrologic, and Vegetative Impacts of Cattle Exclosures in Southeastern Arizona,” 2003, Report to Westland Resources, Inc.

“Interim Guidelines for Sand and Gravel Mining Floodplain Use Permit Applications,” 2003, Report to the Flood Control District of Maricopa County.

“Guidelines for Development in Erosion Hazard Zones,” 2003, Report to the Flood Control District of Maricopa County.

“Erosion Hazard Analysis for Zimmerman Property, Cave Creek, Arizona,” 2004, Report to the Town of Cave Creek, Arizona.

“Erosion Hazard Analysis for Allred Property II, Cave Creek, Arizona,” 2004, Report to the Town of Cave Creek, Arizona.

“Erosion Hazard Analysis for Allred Property, Cave Creek, Arizona,” 2004, Report to the Town of Cave Creek, Arizona.

“Erosion Hazard Analysis for Slyder Property, Cave Creek, Arizona,” 2004, Report to the Town of Cave Creek, Arizona.

“Erosion Hazard Analysis for Allbrecht Property, Cave Creek, Arizona,” 2004, Report to the Town of Cave Creek, Arizona.

“Erosion Hazard Analysis for Flatt-Gellor Property, Cave Creek, Arizona,” 2004, Report to the Town of Cave Creek, Arizona.

“Erosion Hazard Analysis for Copenhagen Property, Cave Creek, Arizona,” 2004, Report to the Town of Cave Creek, Arizona.

“Erosion Hazard Analysis for Nevin Property, Cave Creek, Arizona,” 2004, Report to the Town of Cave Creek, Arizona.

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“Erosion Hazard Analysis for Trubakoff Property, Cave Creek, Arizona,” 2004, Report to the Town of Cave Creek, Arizona.

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“Erosion Hazard Analysis for VanDegna Property, Cave Creek, Arizona,” 2005, Report to the Town of Cave Creek, Arizona.

“Site Development Potential Evaluation – 35th Avenue & Salt River, Phoenix, Arizona,” April 2006, Report to Dennis Lopez, Appraiser.

“El Rio Watercourse Master Plan – Lateral Migration Analysis Report,” December 2005, Report the Flood Control District of Maricopa County on behalf of Stantec Consulting, Inc.

“Erosion Hazard Analysis for Boline Property, Maricopa County, Arizona,” 2006, Report to the Flood Control District of Maricopa County.

“Erosion Hazard Analysis for Tonto Enclave, Maricopa County, Arizona,” 2006, Report to the Flood Control District of Maricopa County.

“Erosion Hazard Analysis for Schneider Property, Cave Creek, Arizona,” 2006, Report to the Town of Cave Creek, Arizona.

“Adobe Dam/Desert Hills Area Drainage Master Plan - Part 5: Sedimentation Investigation and Geomorphology Evaluation,” July 2003, Report to the Flood Control District of Maricopa County.

“Debris Flow Analysis for the Alpine, Utah City Flood Control Project,” April 2003, Report to Bowen Collins & Associates, Salt Lake City, Utah.

“Carefree Drainage Master Plan – Sedimentation Engineering and Geomorphic Evaluation,” February 2002, Report prepared for the Flood Control District of Maricopa County on behalf of CH2M HILL.

“Lower Hassayampa River Watercourse Master Plan – River Behavior Report,” April 2006, Report to the Flood Control District of Maricopa County.

“Lower Hassayampa River Watercourse Master Plan Final Report,” April 2006, Report to the Flood Control District of Maricopa County.

“Virgin River Flood Study – Geomorphic Analysis Report, October 2006, Report to the Clark County Regional Flood Control District on behalf of PBS&J, Inc.

“Pinal County Area Drainage Master Plan Rules of Development,” November 2006, Report to the Pinal County Flood Control District on behalf of Entellus, Inc.

“Santa Cruz River Channel Condition Report,” February 2006, Report to the Arizona County Insurance Pool on behalf of the Pinal County Flood Control District.

“Arrowhead Lakes Hydrology/Hydraulics Analysis,” May 2005, Report to the City of Glendale on behalf of Logan Simpson Design, Inc.

“Jordan River Stability Study – City of Saratoga Springs, Utah,” October 2006, Report to the City of Saratoga Springs, Utah on behalf of CH2M HILL, Inc.

“Technical Documentation Notebook – Approximate Zone A Floodplain Delineation Study of White Tank Fans 1 & 2, Buckeye, Arizona,” September 2006, Report to the Flood Control District of Maricopa County.

“Technical Documentation Notebook – Approximate Zone A Floodplain Delineation Study of White Tank Fans 3-13-16, Buckeye, Arizona,” September 2006, Report to the Flood Control District of Maricopa County.

“Technical Documentation Notebook – Approximate Zone A Floodplain Delineation Study of White Tank Fans 4 & 5, Buckeye, Arizona,” September 2006, Report to the Flood Control District of Maricopa County.

“Technical Documentation Notebook – Approximate Zone A Floodplain Delineation Study of White Tank Fan 6, Buckeye, Arizona,” September 2006, Report to the Flood Control District of Maricopa County.

“Technical Documentation Notebook – Approximate Zone A Floodplain Delineation Study of White Tank Fans 10-11-20, Buckeye, Arizona,” September 2006, Report to the Flood Control District of Maricopa County.

“Technical Documentation Notebook – Approximate Zone A Floodplain Delineation Study of White Tank Fans 17-18-19, Buckeye, Arizona,” September 2006, Report to the Flood Control District of Maricopa County.

“Agua Fria River Erosion Hazard Assessment – Young’s Farm Property, Yavapai County, Arizona,” May 2006, Report to Monogram Development Services, LLC.

“Erosion Hazard Zone Evaluation for the Tuscany Subdivision, St. George, Utah,” February 2006, Report to Rosenberg & Associates, Inc.

Other Publications

Public Information Series for the Pima County Flood Control District, Tucson, Arizona

- "What is the 100-Year Floodplain?"
- "Developing Your Floodplain Property"
- "How to Obtain a Floodplain Use Permit"
- "Mobile Homes in the Floodplain"
- "The Pima County Flood Control District"
- "The Floods of October, 1983"

- "Flood Safety Activity Book"

Public Information Series for the Arizona Floodplain Management Association & Arizona Department of Water Resources

- Bulletin No. 1: "Permits for Construction and Development"
- Bulletin No. 2: "Determining the 100-Year Flood Elevation"
- Bulletin No. 3: "Regulating Development in the Floodway"
- Bulletin No. 4: "The 100-Year Floodplain"
- Bulletin No. 5: "Elevation and Floodproofing"
- Bulletin No. 6: "Floodplain Regulations For Manufactured Homes"
- Bulletin No. 7: "The National Flood Insurance Program in Arizona"

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Tucson Board of Realtors Continuing Education Series, March, 1989. "High and Dry - A Guide to Flood Plain Management"

Pima County Flood Control District. "HEC-2 Basics" Two training seminar to Pima County Staff. 1989.

Arizona Floodplain Management Association Conference, October, 1991. "The Alluvial Fan Data Collection and Monitoring Study, Maricopa County, Arizona"

Arizona Floodplain Management Association Conference, February, 1992. "HEC-2 Training Seminar - Basic Hydraulics and Model Background"

Arizona Floodplain Management Association Conference, February, 1993. "Summary of Arid West Conference, Las Vegas, 1992"

Arizona Floodplain Management Association - Advanced HEC-2 Training Seminar, May, 1993. "Floodway Modeling Standards for Supercritical Streams"

Arizona Floodplain Management Association Conference, June, 1993. "A State Standard for Development in Sheet Flow Areas."

Arizona Floodplain Management Association Conference, June, 1993. "A State Standard for Floodway Modeling on Supercritical Streams."

Arizona County Engineers Association, August, 1993. "Cost-Effective Methodologies for Assessing Peak Flood Estimates: 1993 Case Studies for Yavapai County"

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Arizona Floodplain Management Association Conference, February, 1994. "Applied Geomorphology and Floodplain Management in the Southwest"

CLE International: Arizona Water Law, 2nd Annual Conference, May 1994. "State Ownership of Navigable Watercourses in Arizona" Faculty for Attorney Continuing Education Course.

Arizona Hydrological Society Conference, September, 1994. "A Definition of Navigability for Arizona Streams"

Arizona Floodplain Management Association Conference, June, 1995. "Estimating Peak Discharges on Ungaged Watersheds."

Association of State Flood Plain Managers Conference, May 1996, "Public Ownership of Navigable Streams and Floodplains."

American Society of Civil Engineers Conference, June 1996, "Use of Geomorphic Data for Assessing Stream Stability at Bridge Structures."

Arizona Riparian Council, October 1996, "Introduction to Geomorphology - Training Seminar".

Arizona Department of Water Resources - State Standards Work Group, 1996, "Floodplain Management Training Seminar." Four eight-hour training sessions held in Flagstaff, Tucson, Show Low, and Phoenix, Arizona.

Association of State Flood Plain Managers - Arid West Conference, March 1997, Laughlin, Nevada, "River Stability Study for St. George, Utah."

Stormwater Storage Symposium - Arizona Floodplain Management Association Technical Committee, Scottsdale, Arizona, June 1997 - "Estimating Sediment Storage Requirements for On-Line Detention Basins."

Arizona Floodplain Management Association, October, 1997, Prescott, Arizona, "Wet Beaver Creek Sedimentation Study and Geomorphic Analysis."

Arizona Department of Water Resources, June - July, 1997, Arizona, "Floodplain Management Training - State Standard 2-96." Course Instructor at four training classes.

Arizona Floodplain Management Association, September, 1998, Phoenix, Arizona, "Walker River Restoration Project."

Association of State Flood Plain Managers – National Conference, Portland, Oregon, May 1999, "Geomorphic and Floodplain Evaluation for the Walker River Restoration Project."

Association of State Flood Plain Managers – National Conference, Portland, Oregon, May 1999, “Geomorphic Analysis of Flood Control Structure Design: Vicee Canyon Flood of January 1997, Carson City, Nevada”

Association of State Flood Plain Managers - Arid West Conference, November 1999, Laughlin, Nevada, “Geomorphic Analysis of Flood Control Structure Design: Vicee Canyon Flood of January 1997, Carson City, Nevada.”

Association of State Flood Plain Managers - Arid West Conference, November 1999, Laughlin, Nevada, “Geomorphic and Floodplain Evaluation for the Walker River Restoration Project.”

Arizona State Land Department, March 2000, “Floodplain Management and Environmental Assessment From FEMA, State, and Local Agency Perspective.”

Arizona State University Department of Geology, October 2000, “Consulting Practice in Piedmont Processes.”

Association of State Flood Plain Managers – Arid West Conference, February, 2001, Albuquerque, New Mexico, “Floodplain and Floodway Delineation Using Geomorphology.”

Grace Christian School Kindergarten Class, March 2001, “W is For Water.”

American Society of Civil Engineers, Younger Member Forum, April 2001, “Flood Hazard Assessment Using Geomorphology.”

Arizona State University Department of Geology, October 2002, “Consulting Practice in Piedmont Processes.”

Association of State Flood Plain Managers National Conference, June, 2002, Phoenix, Arizona, “Floodplain and Floodway Delineation Using Non-Traditional Methods.”

Association of State Flood Plain Managers National Conference, June, 2002, Phoenix, Arizona, “Application and Assessment of Engineering and Geomorphic Techniques to Predict Riverine Erosion in the Arid Southwest.”

New Mexico Floodplain Management Association Annual Conference, April 2003, Albuquerque, New Mexico, “Geomorphology for Floodplain Managers.”

Association of State Floodplain Managers – Arid West, November 2004, Mesa, Arizona, “Erosion Hazard Assessment in the Arid West.”

Arizona Floodplain Management Association, May 2005, Safford, Arizona, “January 2005 Flood Report – St. George, Utah.”

Utah Flood and Storm Water Management Association, November 2005, St. George, Utah, “Predicting Riverine Erosion – Santa Clara and Virgin Rivers, St. George, Utah.”

APWA/ASCE – Southern Utah Branch, February 2006, St. George, Utah, “River Management Plans – Santa Clara and Virgin Rivers, Washington County, Utah.

Association of State Floodplain Managers, June 2006, Albuquerque, New Mexico, “Insights on Application of the FEMA Three-Stage Alluvial Fan Delineation Technique.”

Association of State Floodplain Managers, June 2006, Albuquerque, New Mexico, “Development Guidelines and Engineering Analysis of Flood Hazards in Distributary and Sheet Flow Areas.”

Yavapai County Flood Control District, January 2006, Prescott, Arizona, “Erosion Hazard Assessment.”

Grace Community Christian School, January 2006, Tempe, Arizona, “Working in Geology.”

Arizona Geological Society, April 2006, Tucson, Arizona, “Arizona Flood Hazards.”

Arizona State University, Geology 362/598, November 2006, Tempe, Arizona, “Surficial Geology Applications to Real World Problems.”

Professional Technical Training Classes Taught by Jonathan Fuller

- Floodplain Issues in Transportation Design
- State Standard 2-96: Requirement for Floodplain Delineation
- Advanced HEC-RAS Training – Supercritical Floodway Modeling
- Arizona Water Law – Arizona Navigable Streams
- Culvert Hydraulics Design & Review
- Detention/Retention Design & Review
- Encroachment Analysis & Floodway Modeling
- Engineering Assessment of Sand & Gravel Mining Impacts
- Environmental Assessment: Hydrology, Hydraulics & Geomorphology
- Floodplain Analysis for Environmental Assessment
- Floodplain Hydraulics
- Geomorphology for Floodplain Managers

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- HEC-1 Modeling Short Course
- High & Dry – A Guide to Floodplain Management for Realtors
- Introduction to Geomorphology
- Introduction to HEC-1/HEC-HMS Modeling
- Introduction to HEC-RAS Hydraulic Modeling
- Introduction to Scour & Erosion