



GAYLE L. DANA

Nevada NSF EPSCoR Project Director
Associate Research Professor
Desert Research Institute
2215 Raggio Parkway
Reno, NV 89512

Telephone: (775) 674-7538
Fax: (775) 673-7363
E-mail: Gayle.Dana@dri.edu

EDUCATION AND TRAINING

Institution	Major/Area	Degree & Year	
University of California, Davis	Zoology	B.S.	1976
San Francisco State University, CA	Ecology and systematic Biology	M.A.	1981
University of Nevada, Reno	Hydrology/Hydrogeology	Ph.D.	1997
Postdoctoral Training			

RESEARCH AND PROFESSIONAL EXPERIENCE

2012-present	Nevada EPSCoR Director of the Nevada System of Higher Education
2007-present	Project Director, Nevada NSF EPSCoR
2005-2007	Associate Project Director, Nevada NSF EPSCoR
2003-present	Associate Research Professor, Desert Research Institute (DRI), Division of Hydrologic Sciences
2004	Interim Director, Center for Watersheds and Environmental Sustainability, DRI
2003	Deputy Director, Center for Watersheds and Environmental Sustainability, DRI
1998-2003	Assistant Research Professor, DRI, Division of Hydrologic Sciences
1998-present	Nevada Space Grant Faculty Coordinator, DRI
1993-1997	Research Assistant, DRI
1984-1992	Research Specialist, Marine Science Institute, U.C. Santa Barbara

PUBLICATIONS

5 publications most closely related to proposal project

1. Dana, G. L., A.K. Panorska, and R.B. Susfalk 2006. Suspended sediment loading in the middle reach of the Truckee River, California, 2002-03. *Journal of the Nevada Water Resources Association*. Vol. 3, No. 1: 63-78.
2. Fountain, A.G., T.H. Nysten, K.L. MacClune, and G.L. Dana. 2006. Glacier mass balances (1993-2001), Taylor Valley, McMurdo Dry Valleys, Antarctica. *J. Glaciology*, vol. 52, No. 178: 451-462.
3. Miller, W.W., D.W. Johnson, C. Denton, P.S.J. Verburg, G.L. Dana and R.F. Walker. 2005. Inconspicuous nutrient laden surface runoff from mature forest sierran watersheds. *Water, Air and Soil Pollution* 163:3-17.

4. Lyons, W.B., K.A. Welch, A.G. Fountain, G.L. Dana, B.H. Vaughn, and D.M. McKnight. 2003. Surface glaciochemistry of Taylor Valley, Southern Victoria Land, Antarctica and its relationship to stream chemistry. *Hydrological Processes* 17:115-130.
5. Doran, P.T., C.P. McKay, G.D. Clow, G.L. Dana, A.G. Fountain, T. Nylen, and W.B. Lyons. 2002. Valley Floor climate observations from the McMurdo dry valleys, Antarctica, 1986-2000. *Journal of Geophysical Research (Atmospheres)* 107: ACL (13)1-12.

Up to five other significant publications, whether or not related to proposed project

1. Dana, G.L. R. E. Davis, A. G. Fountain, and R. A. Wharton, Jr. 2002. Satellite-Derived Indices of Stream Discharge in Taylor Valley, Antarctica. *Hydrological Processes* 16:1603-1616.
2. Fountain, A.G., W.B. Lyons, M.B. Burkins, G.L. Dana, P.T. Doran, K.J. Lewis, D.M. McKnight, D. Moorhead, A.N. Parsons, J.C. Priscu, D.H. Wall, R.A. Wharton, Jr. and R.A. Virginia 1999. Physical controls on the Taylor Valley Ecosystem, Antarctica. *Bioscience* 49 (12):961-971.
3. Lewis, K.J., A.G. Fountain, and G.L. Dana. 1999. How important is terminus cliff melt?: A study of the Canada Glacier terminus, Taylor Valley, Antarctica. *Global and Planetary Change* 22:105-116.
4. Dana, G.L., R.A. Wharton, Jr., and R. Dubayah. 1998. Solar radiation in the McMurdo Dry Valleys, Antarctica. *In Ecosystem Processes in a Polar Desert: The McMurdo Dry Valleys, Antarctica, Ant. Res. Ser. 72: 39-64.* Ed. by J. Priscu, AGU, Washington DC.
5. Fountain, A.G., G. Dana, K.J. Lewis, B.H. Vaughn, and D.M. McKnight. 1998. Glaciers of the McMurdo Dry Valleys, Southern Victoria Land, Antarctica. *In Ecosystem Processes in a Polar Desert: The McMurdo Dry Valleys, Antarctica, Ant. Research Ser. 72:65-75.* Edited by J. Priscu, AGU, Washington, D.C.

SYNERGETIC ACTIVITIES

- Serve on Nevada State Committee: Women in Higher Education of the American Council on Education.
- Serve on the Executive NSF EPSCoR Project Director's Committee.
- Co-Chaired Lake Tahoe Science Advisory the Lake Tahoe Basin CA
- Developed NSF-funded research course for Nevada high school students and teacher
- Served on panel for USDA proposals and as reviewer for NSF, USDA, and USGS proposals and WRR, Hydrological Sciences, JAWRA journals.

COLLABORATORS AND OTHER AFFILIATIONS

Collaborators and Co-Editors

G. Bohach (UI); S. Borleske (Delaware Biotechnology Institute); R. Carroll (DRI); F. Choobineh (UNL); M.J. Daniel (UNM); A. Fountain (PSU); P. Goodwin (UI); V. Grubisic (DRI); D. Johnson (UNR); D. Koracin (DRI); D. McGraw (DRI); W. Michener (UNM); W. Miller (UNR); T. Nylen (PSU); A. Panorska (UNR); P. Schweitzer (UAF); J. Shreeve (UI); W. Stockwell (Howard Univ.); R. Susfalk (DRI); S. Tyler (UNR); J. Van Houten (UVM); P. Verburg (DRI);

Graduate Advisors and Postdoctoral Sponsors

S. Bowen (Master's Advisor) - retired
 R.A. Wharton, Jr. (Ph.D. Graduate Advisor) – S. Dakota School of Mines and Technology

Thesis Advisor and Postgraduate-Scholar Sponsor

Susan Burak (M.S. in progress)