

## David Diggs

University of Northern Colorado  
College of Humanities and Social Sciences  
(970) 351-1113  
Email: [David.Diggs@unco.edu](mailto:David.Diggs@unco.edu)

### Education

- PhD, University of Colorado - Boulder, 1990.  
Area of Study: Geography  
Dissertation/Thesis Title: Drought Adjustment and Perception of Long Term Environmental Change in the Northern Great Plains
- MA, University of Northern Colorado, 1984.  
Area of Study: Geography  
Dissertation/Thesis Title: Boom-Bust Dynamics: Changing Land Use in Parachute-Battlement Mesa, Colorado, 1980-1983.
- BA, University of Missouri - Columbia, 1981.  
Area of Study: Geography

### Professional Academic Experience

- Lab Director and Coordinator, Laboratory for Geographic Information Science, Dept. of Geography, University of Northern Colorado. (2001 - Present).
- Associate Professor, University of Northern Colorado. (2006 - 2011).
- Assistant Professor, University of Northern Colorado. (2002 - 2006).
- Full Professor, Central Missouri State University. (1999 - 2001).
- Lab Director and Coordinator, Spatial Data Analysis Center, Dept. of Pol. Sci. and Geography, Central Missouri State University. (1996 - 2001).
- Associate Professor, Central Missouri State University. (1995 - 1999).
- Visiting Scholar, Kansas Applied Remote Sensing Program (KARS), Space Technology Center, University of Kansas; and Dept. of Geography. (1997 - 1998).
- Assistant Professor, Central Missouri State University. (1990 - 1995).
- Research Assistant, Natural Hazards Research and Applications Information Center, University of Colorado. (1988 - 1990).
- Instructor, University of Colorado. (1986 - 1988).
- Teaching Assistant, University of Colorado. (1985 - 1986).
- Project Researcher and Coordinator, Western Colorado Congress. (1984 - 1985).
- Project Researcher and Coordinator, Western Organization of Resource Councils. (1984 - 1985).
- Instructor, AIMS Community College. (1984).

Instructor, The High Croft School. (1984).

Instructor, University of Northern Colorado. (1983).

Research Assistant, University of Northern Colorado. (1983).

Research Assistant, University of Northern Colorado. (1981 - 1982).

## Administrative Roles

Coordinator, (2001 - 2017).

## RESEARCH, SCHOLARSHIP, AND CREATIVE WORKS

### Publications

#### Juried

##### Journal Article

Diggs, D. (1991). Drought Experience and Perception of Climatic Change Among Great Plains Farmers. *Great Plains Research*, 1(1), 114-132.

Diggs, D. (1990). Perception and Behavior: Drought Adjustment and Agricultural Planning in North Dakota. *Great Plains-Rocky Mountain Geographical Journal*, 18(Fall), 19-26.

Diggs, D., Sweeney, P. (1986). Whose Home on the Range? *American Land Forum*, 6(3), 5-7.

##### Book

Dunn, J., Diggs, D., Linn, S., Kerski, J. (2002). *World 21: A Multimedia/GIS World Geography Learning System*. London: Public Media, Inc. and BBC Worldwide.

Diggs, D., Sweeney, P. (1985). *Who Owns the West? Sixteen Case Studies on Natural Resource Ownership*. Billings, Montana: Western Organization of Resource Councils.

##### Book Chapter

Montgomery, C., Diggs, D., \. (2017). Reconstructing a Prehistoric Ute Sacred Landscape in the Southern Rocky Mountains. In Robert Brunswig (Ed.), *Spirit Lands of the Eagle and Bear: Numic Archaeology and Ethnohistory in the American West*. University Press of Colorado.

Diggs, D., Brunswig, R. (2014). GIS Modeling of Intermediate Scale Lithic Landscapes in the Colorado Rockies: The Case of Ballinger Draw. In MacDonald, Doug, et al. (Ed.), *Lithics in the West: Using Lithic Analysis to Solve Archaeological Problems in Western North America* (pp. 73-94). University of Montana Press.

Diggs, D., Brunswig, R. H. (2013). The Use of GIS and Weights-of-Evidence in the Reconstruction of a Native American Sacred Landscape in Rocky Mountain National Park, Colorado. In Ludomir Lozny and Daniel Bates (Ed.), *Continuity and Change in Cultural Adaptation to Mountain Environments: From Prehistory to Contemporary*

*Threats* (pp. 207-228). Springer Press.

Diggs, D. (1997). Droughts. In McCrea Adams (Ed.), *Natural Resources*. Pasadena, California: Salem Press.

Diggs, D. (1997). Dust Bowl of the 1930's. In McCrea Adams (Ed.), *Natural Resources*. Pasadena, California: Salem Press.

Diggs, D. (1995). Soviets Adopt Stalin's Plan for the Transformation of Nature. In Robert McClenaghan (Ed.), *Great Events from History II: Ecology and the Environment* (pp. 484-488). Pasadena, California: Salem Press.

#### Book Review

Diggs, D. (1993). *Environmental Hazards in the Valley of Mexico* (5th ed., vol. 92, pp. 241). Journal of Geography.

#### Conference (Full Paper) Proceeding

Diggs, D., Brunswig, R. H., Doerner, J. (2014). Eleven Millennia of Human Adaptation in Colorado's High Country: Modeling Cultural and Climatic Change in the Southern Rocky Mountains. In Sheila Lacey (Ed.), *Climates of Change: The Shifting Environments of Archaeology*. Calgary: Chacmool Archaeological Association.

Diggs, D., Brunswig, R. H. (2006). Modeling Native American Sacred Sites in Rocky Mountain National Park. *Proceedings of the 26th Annual ESRI International User Conference*. ESRI.  
[http://gis.esri.com/library/userconf/proc06/papers/papers/pap\\_2243.pdf](http://gis.esri.com/library/userconf/proc06/papers/papers/pap_2243.pdf)

#### Other Publications

Diggs, D. (2008). Drought. In G.A. Goreham (Ed.), *Encyclopedia of Rural America: The Land and People* (2nd ed., vol. 1, pp. 279-282). Millerton, New York: Grey House Publishing, Inc.

Diggs, D. (1997). Drought. In G.A. Goreham (Ed.), *Encyclopedia of Rural America* (pp. 199-202). New York: Garland.

Diggs, D. (1988). Risk Communication, Lessons From Natural Hazards: An Annotated Bibliography. *Topical Bibliography #15*. Boulder, Colorado: Natural Hazards Research and Applications Information Center.

### Non-juried

#### Conference (Full Paper) Proceeding

Diggs, D., Brunswig, R., Lambert, S. J. (2011). Viewshed Analysis of Native American Sacred Landscapes. *Proceedings of the 31st Annual ESRI International Users Conference*. [http://proceedings.esri.com/library/userconf/proc11/papers/3027\\_59.pdf](http://proceedings.esri.com/library/userconf/proc11/papers/3027_59.pdf)

Diggs, D., Klein, P., Lopez, A. (2009). Collaborative Development of Secondary School Internet Mapping Activities. *Proceedings of the Annual ESRI International Education User Conference*. San Diego, CA: ESRI.  
[http://proceedings.esri.com/library/userconf/educ09/educ/papers/pap\\_1063.pdf](http://proceedings.esri.com/library/userconf/educ09/educ/papers/pap_1063.pdf)

Diggs, D., Brunswig, R. (2009). Weights of Evidence Modeling in Archeology, Rocky

Mountain National Park. *Proceedings of the 29th Annual ESRI International User Conference*. San Diego, CA: ESRI.  
[http://proceedings.esri.com/library/userconf/proc09/uc/papers/pap\\_1054.pdf](http://proceedings.esri.com/library/userconf/proc09/uc/papers/pap_1054.pdf)

#### Technical Report

- Brunswig, R. H., Doerner, J., Diggs, D. (2014). Phase 1 GIS Mapping of Cultural, Paleoclimatic and Paleoenvironmental Landscapes in Rocky Mountain National Park. *Report on file with Rocky Mountain National Park, National Park Service*. Estes Park, Colorado:.
- Diggs, D., Brunswig, R., Chady, C. (2009). Native American Lives and Sacred Landscapes in Rocky Mountain National Park. *Prepared for the National Park Service under cooperative agreement: 1443-CA-1248-007*. (pp. 151 pages +DVD). University of Northern Colorado.
- Diggs, D., Doerner, J., Brunswig, R. (2009). Report on a Pilot Study of Investigations into Cultural-Natural Landscapes and Ecological Patch Islands in Forest Canyon Pass, Rocky Mountain National Park. *Prepared under RM-CESU under cooperative agreement: H1200040001* (pp. 115 pages + CD). University of Northern Colorado.
- Diggs, D. (2008). Western Colorado Overview map. *Ute Ethnobotany Project, Summary Report of a cooperative project of the Grand Mesa, Uncompahgre, and Gunnison National Forests and the Grand Junction Field Office of the Bureau of Land Management, by Sally McBeth*.
- Diggs, D., et al. (1998). Pilot Geographic Information System (GIS) of Warrensburg, Missouri. *Report to the City of Warrensburg, Missouri*.
- Diggs, D. (1997). Developing a Geographic Information System (GIS) for Warrensburg, Missouri: Initial Feasibility Discussion. *Report to the City of Warrensburg, Missouri*.
- Diggs, D. (1994). Branson City Campground Survey. *Report to the City of Branson, Missouri*.

#### Other Publications

- Diggs, D., Klein, P., Lopez, A. (2008). *Learning about Soils, Biomes, and Climate: An exercise for Middle School and Secondary Students*. University of Northern Colorado, Geography Program and Colorado Geographic Alliance.  
<http://www.unco.edu/geography/sbc>
- Diggs, D. (2007). Maps pages 56, 57, 58, 63. *UNC Economic Impact Analysis: Phases I, II, and III, by Joe Alexander and et al*. Greeley, Colorado: University of Northern Colorado.
- Diggs, D., Klein, P. (2004). *Colorado's Geography: Mapping Our Past*. Greeley, Colorado: Colorado Geographic Alliance and the University of Northern Colorado.  
<http://www.unco.edu/geography/mapco>
- Collins, C., Scott, S., Diggs, D. (2003). *Atlas of Colorado: A Teaching Resource 2003*. Greeley, Colorado: Colorado Geographic Alliance.  
<http://www.unco.edu/geography/atlas>

#### Professional Presentations

## Invited

### Non-juried

Klein, P., Diggs, D., Colorado Geographic Alliance, "Colorado's Geography: Mapping Our Past - updates," Colorado Springs, CO. (June 2017).

Klein, P., Diggs, D., Annual Meeting of the National Council for Geographic Education, "Introducing ArcGIS Online to Improve the Spatial Thinking Skills of Future Teachers," National Council for Geographic Education, Washington, DC. (August 7, 2015).

Brunswig, R., Doerner, J., Diggs, D., Society for American Archaeology, 80th Annual Meeting., "Multidisciplinary Reconstruction of Interactive Change in Holocene Treeline, Paleoclimate and High Altitude Hunting Systems in Rocky Mountain National Park, Colorado," Society for American Archaeology, San Francisco, CA. (April 15, 2015).

## Not Invited

### Juried

Diggs, D., "From Paper to Intelligent Maps: Geographic Information Systems," Greeley Retirees Academic Study Program, Greeley, Colorado. (November 4, 2013).

Doerner, J., Brunswig, R. H., Diggs, D., 71st Annual Plains Anthropological Conference, "Reconstructing Cultural and Climatic Change in North Central Colorado's Rocky Mountains: Current Results of University of Northern Colorado Research, 1998-2013," Loveland, Colorado. (October 4, 2013).

Diggs, D., Brunswig, R., Doerner, J., 44th Annual Conference of the Chacmool Archaeological Association, "Eleven Millennia of Human Adaptation in Colorado's High Country: Modeling Cultural and Climatic Change in the Southern Rocky Mountains," Calgary, Canada. (2012).

Diggs, D., Brunswig, R., Lambert, S. J., Rocky Mountain Anthropological Conference, "GIS and the Use of Viewshed Analysis in Modeling a Native American Sacred Landscape in Rocky Mountain National Park, Colorado," Missoula, Montana. (2011).

Diggs, D., Brunswig, R., Doerner, J., Chacmool Conference, "Eleven Millennia of Human Adaptation in Colorado's High Country: Modeling Cultural and Climatic Change in the Southern Rocky Mountains," University of Calgary, Calgary, Canada. (November 9, 2011).

Doerner, J., Diggs, D., Brunswig, R. H., Rocky Mountain Anthropological Conference, "Cultural-natural landscapes and ecological patch islands in Forest Canyon Pass, Rocky Mountain National Park," Missoula, Montana. (October 7, 2011).

Diggs, D., Brunswig, R., Rocky Mountain Landscape and Memory Symposium: Soundscapes, Places, and Pathways, "Exploring the Spiritual Elements of Past Cultural Landscapes in Colorado's Southern Rocky Mountains: The University of Northern Colorado Sacred Landscape Project," Laramie, Wyoming. (October 2, 2010).

Brunswig, R., Doerner, J., Diggs, D., Connor, J., Benton, L., Edwards, E., 2010 Rocky Mountain National Park Research Conference, "Cultural-Natural Landscapes and

Ecological Patch Islands in Forest Canyon Pass, Rocky Mountain National Park," Estes Park, Colorado. (March 30, 2010).

Diggs, D., Brunswig, R., Seminar Series, "GIS Modeling of Sacred Landscapes in Rocky Mountain National Park: Applications from Geology," University of Northern Colorado, Dept. of Earth Sciences, Greeley, Colorado. (February 5, 2010).

Diggs, D., Developing Strategies for Managing Fire Effects on Cultural Resources at RMNP Workshop, "Modeling Fire in GIS," Estes Park, Colorado. (November 18, 2009).

Diggs, D., "Walking in Britain," Greeley Kiwanis Club. (April 16, 2009).

Kimball, M., Cullom, C. B., Diggs, D., Maestas, E., Sixth World Archaeological Congress, "Using Digital Technologies to Acquire, Manage, and Map Indigenous Knowledge about Cultural Landscapes: A Cross-Cultural and Collaborative Approach," Dublin, Ireland. (June 29, 2008).

Diggs, D., Brunswig, R., Rocky Mountain National Park 2008 Research Conference, "Native American Lives and Sacred Landscapes in Rocky Mountain National Park," Estes Park, Colorado. (April 8, 2008).

Diggs, D., Brunswig, R., 26th Annual ESRI International User Conference, Special session on National Parks, "Modeling Native American Sacred Sites in Rocky Mountain National Park," San Diego, California. (April 8, 2006).

Diggs, D., Hurricane Katrina: Lessons and Legacy, "Failure of a Modified Landscape: the Case of New Orleans," University of Northern Colorado, College of Humanities and Social Sciences, Greeley, Colorado. (September 27, 2005).

Diggs, D., Annual Meeting of the National Council for Geographic Education, "Persian Gulf Oil Pollution: a Laboratory Module in Remote Sensing," Boston, Massachusetts. (November 5, 1999).

Diggs, D., Annual Meeting of the National Council for Geographic Education, "Kuwait," San Antonio, Texas. (October 1995).

Diggs, D., University of Nebraska-Lincoln, Center for Great Plains Studies 14th Annual Interdisciplinary Symposium - Looking Back from the 21st Century: Impacts of Climate Change on the Great Plains, "Drought Experience and Perception of Climatic Change Among Great Plains Farmers." (April 4, 1990).

Diggs, D., Grand County Historical Association and the Colorado Endowment for the Humanities, "Changing Attitudes and the Future of Colorado Water Use," Granby, Colorado. (August 1988).

Diggs, D., Riebsame, W. E., Workshop on Evaluation and Effective Communication, Task Force on Environmental Cancer and Heart and Lung Disease, "Risk Communication: Lessons From Natural Hazards," Washington, D.C. (June 2, 1988).

#### Non-juried

Doerner, J., Diggs, D., Brunswig, R. H., Doerner, M. R., Great Plains-Rocky Mountain and Southwest Regions of the Association of American Geographers, Annual Meeting, "Paleoenvironmental Reconstruction of Forest Canyon Pass, Rocky Mountain National Park, Colorado," Albuquerque, New Mexico. (October 24, 2014).

- Diggs, D., "The Use of Weights of Evidence in Predictin Native American Sacred Sites in Rocky Mountain National Park," Northern Colorado GIS Users Group, Greeley, Colorado. (May 7, 2014).
- Diggs, D., Doerner, J., Brunswig, R., Doerner, M., Association of American Geographers Annual Meeting, "High Altitude Paleoecology of Forest Canyon Pass, Rocky Mountain National Park, Colorado, USA," Los Angeles, California. (2013).
- Doerner, J., Brunswig, R., Diggs, D., Doerner, M. R., Association of American Geographers, 109th Annual Meeting, "High Altitude Paleoecology of Forest Canyon, Rocky Mountain National Park, Colorado, USA," Los Angeles, California. (April 11, 2013).
- Diggs, D., Brunswig, R., Lambert, S. J., 31st Annual ESRI International Users Conference, "Viewshed Analysis of Native American Sacred Landscapes," San Diego, California. (2011).
- Doerner, J., Brunswig, R., Diggs, D., Association of American Geographers, 106th Annual Meeting, "Forest Canyon Pass: High Altitude Paleoclimate and Archaeology in Rocky Mountain National Park, Colorado," Washington, D.C. (April 15, 2010).
- Diggs, D., Brunswig, R., 29th Annual ESRI International User Conference, "Weights of Evidence Modeling in Archeology, Rocky Mountain National Park," San Diego, California. (2009).
- Diggs, D., Klein, P., Lopez, A., Annual ESRI International Education User Conference, "Collaborative Development of Secondary School Internet Mapping Activities," San Diego, California. (2009).
- Diggs, D., Chady, C., Brunswig, R., Association of American Geographers, Annual Meeting of the Great Plains-Rocky Mountain Region, "Weights of Evidence Modeling of Native American Sacred Sites in Rocky Mountain National Park," Denver, Colorado. (2007).
- Diggs, D., Klein, P., Association of American Geographers, Annual Meeting, "Colorado's Geography: Mapping Our Past," Denver, Colorado. (2005).
- Klein, P., Diggs, D., "Effectiveness of GIS Activities for Teaching Historical Geography," National Council for Geographic Education, Kansas City, Missouri. (2004).
- Diggs, D., Klein, P., National Council for Geographic Education, Annual Meeting, "GIS Design Strategies for Historical Geography Materials," Kansas City, Missouri. (October 22, 2004).
- Collins, C. (Presenter), Diggs, D., 2004 Annual Meeting of the National Council for Geographic Education, "Atlas of Colorado: A Teaching Resource, 2003 Edition," Kansas City, Missouri. (October 21, 2004).
- Diggs, D., Collins, C., Association of American Geographers, Regional Meeting, "Atlas of Colorado: A Teaching Resource, 2003 edition," Manhattan, Kansas. (2003).
- Diggs, D., Oakes, B., Association of American Geographers, Regional Meeting, "Determining Water Well Location and Density for the City of Greeley, Colorado," Manhattan, Kansas. (2003).

- Diggs, D., Cramer, J., Worman, F., Annual Meeting of the Missouri Academy of Sciences, "A Budgetary Analysis of Variable Rate Application of Fertilizers for Corn Production in West Central Missouri," University of Missouri. (April 15, 2000).
- Diggs, D., Annual Meeting of the Missouri Academy of Sciences, "An Introductory Laboratory Module in Remote Sensing for World Geography Students," University of Missouri-Columbia. (April 15, 2000).
- Diggs, D., Annual Meeting of the Missouri Academy of Sciences, "Developing an Urban GIS Pilot Project," Southeast Missouri State University. (April 16, 1999).
- Diggs, D., Annual Meeting of the Missouri Academy of Sciences, "Geographic Information Systems in the Introductory Geography Curriculum: A Pilot Project," Missouri Western College, St. Joseph, Missouri. (April 1998).
- Diggs, D., Faculty Instructional Development Grant Colloquium, "Geographic Information Systems in the Introductory Geography Curriculum," Central Missouri State University. (April 8, 1997).
- Diggs, D., Special Session entitled: 'Moving Toward Great Plains Sustainability' at the Annual Meeting of the Association of American Geographers, "Great Plains Shelterbelts and the Search for Agricultural Sustainability," Chicago, Illinois. (March 1995).
- Diggs, D., Association of American Geographers, Regional Meeting, "Shelterbelt Development and Agricultural Sustainability: A Comparative Study of the Russian Plain and the United States Great Plains," Manhattan, Kansas. (October 9, 1992).
- Diggs, D., Association of American Geographers, Annual Meeting, "Drought, Climate, and Decision making: Five North Dakota Farms," San Diego, California. (April 1992).
- Diggs, D., Association of American Geographers, Regional Meeting, "Perception and Behavior: Drought Adjustment and Agricultural Planning in North Dakota," Kearney, Nebraska. (October 12, 1990).
- Diggs, D., Association of American Geographers, Annual Meeting, "Climate Change, Drought, and Perception: An Environmental Perception Approach to Understanding Response to Global Change," Toronto, Ontario, Canada. (April 19, 1990).
- Diggs, D., Association of American Geographers, Regional Meeting, "Aspinall Unit: Colorado River Storage Project, A Post-Construction Analysis," Colorado Springs, Colorado. (September 9, 1988).
- Diggs, D., Association of American Geographers, Regional Meeting, "Ecologically Maladaptive Behavior and External Forces: Sodbusting in Eastern Colorado During the 1970s and 1980s," Regina, Canada. (September 1987).
- Diggs, D., Association of American Geographers, Annual Meeting, "Boomtown Land-Use, Parachute, Colorado," Washington, D.C. (April 1984).
- Diggs, D., Association of American Geographers, Regional Meeting, "The Bureau of Reclamation's Proposed Narrows Dam Project," Laramie, Wyoming. (September 1982).

## Research in Progress



"Phase I: GIS Mapping of Cultural, Paleoclimatic and Paleoenvironmental Landscapes in Rocky Mountain National Park" (On-Going).

## GRANTS

### Funded

Klein, P., Diggs, D., "Colorado's Geography: Mapping Our Past - Phase II," Sponsored by Hewitt Institute for History and Social Science Education, University of Northern Colorado, \$10,308.00. (2016 - Present).

Diggs, D. (Co-Principal), Brunswig, R. (Principal), Doerner, J. (Co-Principal), "Phase I: GIS Mapping of Cultural, Paleoclimatic and Paleoenvironmental Landscapes in Rocky Mountain National Park," Sponsored by National Park Service Rocky Mountain Cooperative Ecosystems Studies Unit—RM-CESU, \$11,128.00. (2011 - 2013).

Diggs, D., Brunswig, R., "Sacred Landscapes of Rocky Mountain National Park: Model Validation Surveys," Sponsored by National Park Service Rocky Mountain Cooperative Ecosystems Studies Unit—RM-CESU, \$11,916.00. (2009).

Klein, P. (Co-Principal), Diggs, D. (Co-Principal), "Map Resources for the Historical Geography of Colorado," Sponsored by National Geographic Society's Colorado Geography Education Fund, \$26,929.00. (2003 - 2004).

Diggs, D., Adams, J., Gunderson, G., "Geography and Political Science Computer Lab Upgrade," Sponsored by Central Missouri State University, Technology Fee, \$8,000.00. (2000).

Diggs, D., Adam, J., Gunderson, G., "Geography and Political Science Computer Lab Upgrade-Hardware," Sponsored by Central Missouri State University, \$14,000.00. (2000).

Diggs, D., "ER Mapper—Educational Grant Program," \$10,800.00. (September 1998).

Diggs, D., "GIS and IDRISI Software Workshop," Sponsored by CMSU, Instructional Development Fund, \$1,700.00. (1997).

Diggs, D., Legreid, A., "Geographic Information Systems (GIS) in the Introductory Geography Curriculum--3 Phases," Sponsored by Central Missouri State University, Technology Funding Committee, \$42,073.00. (1996).

Diggs, D., Legreid, A., "Maps Literally Come Alive! Geographic Information Systems in the Introductory Geography Curriculum. 2nd Pilot Phase," Sponsored by Central Missouri State University, Professional Enhancement Committee, Instructional Improvement Grant, \$5,000.00. (1996).

Diggs, D., Legreid, A., "Surfing the World: Accessing and Operationalizing Spatial Data Sets for Use in Geographic Education," Sponsored by Central Missouri State University, Innovative Computing Grants Program, \$2,500.00. (1996).

Diggs, D., "African Development Issues," Sponsored by Central Missouri State University, Minority Scholars Program, \$700.00. (1995).

Diggs, D., Legreid, A., "Maps Literally Come Alive! Geographic Information Systems in the Geography curriculum," Sponsored by Central Missouri State University, Technology Research Program, \$5,000.00. (1995).

Diggs, D., Daniels, D., "Field Methods in Geography: A Course Proposal," Sponsored by Central

Missouri State University, Office of Extended Campus, \$6,000.00. (1993 - 1994).

Diggs, D., "National Council on U.S.-Arab Relations," Sponsored by Joseph J. Malone Fellowship for study and travel in Syria and Kuwait., \$5,400.00. (1993).

Diggs, D., "Graduate School Fellowship," Sponsored by University of Colorado-Boulder, Graduate School, \$2,000.00. (1985 - 1986).

### **Under Review**

Diggs, D. (Supporting), Brunswig, R. (Co-Principal), Junne, G. (Co-Principal), "The Dearfield Dream: Hope and Self-Sufficiency," Sponsored by National Endowment for the Humanities, \$315,000.00. (2012).

### **Not Funded**

Junne, G. (Principal), Brunswig, R. (Co-Principal), Reinsvold, R. (Co-Principal), Trask, J. (Co-Principal), Diggs, D. (Co-Principal), Doerner, J. (Co-Principal), Creekmore, A. (Co-Principal), "The Dearfield Dream," Sponsored by National Endowment for the Humanities, Federal, \$160,504.00. (2012).

Brunswig, R. (Principal), Junne, G. (Principal), Reinsvold, R. (Co-Principal), Trask, J. (Co-Principal), Diggs, D. (Co-Principal), Doerner, J. (Co-Principal), Creekmore, A. (Co-Principal), Burlbaw, L. (Co-Principal), "The Dearfield Dream: Hope and Self-Sufficiency," Sponsored by National Endowment for the Humanities, Federal, \$225,847.00. (2011).

Brunswig, R. (Principal), Junne, G. (Co-Principal), Reinsvold, R. (Co-Principal), Trask, J. (Co-Principal), Diggs, D. (Co-Principal), Downey, M. (Co-Principal), Creekmore, A. (Co-Principal), "The Dearfield Dream: Hope and Self-Sufficiency," Sponsored by National Endowment for the Humanities, Federal, \$315,050.00. (2010).

Diggs, D., Brunswig, R., "Development, Testing, and Documentation of a Technology-Enhanced Archeological Survey System for Rapid Data Acquisition and Minimal Artifact Collection," Sponsored by National Center for Preservation Technology and Training, \$18,900.00. (December 2007).

Diggs, D., Kimball, M., Cullon, C., Maestas, E., "Developing the IKMapper: An Open-Source Software Prototype for Digital Indigenous Knowledge Acquisition, Management and Mapping," Sponsored by National Endowment for the Humanities, Level II Digital Humanities Start-Up Grant Program, \$50,000.00. (November 2007).

Diggs, D., "TEACHGIS (Technology Enhancement and Curriculum Help in GIS)," Sponsored by National Science Foundation, \$120,000.00. (2006).

## **TEACHING**

### **Teaching Experience**

#### **University of Northern Colorado**

Courses Taught:

CRJ 324, Crime Mapping, 1 course. 3.00 credit hours.

GEOG 100, World Geography, 4 courses. 3.00 credit hours.

GEOG 210, Introduction to GIS an GPS, 8 courses. 3.00 credit hours.

GEOG 274, Maps and Data Analysis, 3 courses. 3.00 credit hours.

GEOG 300, Advanced Human Geography: Topics, 2 courses. 3.00 credit hours.

GEOG 302, Cartography, 11 courses. 3.00 credit hours.

GEOG 307, Geographic Information Science, 9 courses. 3.00 credit hours.

GEOG 324, Crime Mapping, 1 course. 3.00 credit hours.

GEOG 412, Web Mapping, 7 courses. 3.00 credit hours.

GEOG 422, Directed Studies, 23 courses. 1.00 credit hours.

GEOG 475, Advanced Geographic Techniques: Topics, 4 courses. 3.00 credit hours.

GEOG 492, Internship, 4 courses. 6.00 credit hours.

GEOG 495, Senior Seminar, 1 course. 3.00 credit hours.

GEOG 507, Geographic Information Science, 6 courses. 3.00 credit hours.

GEOG 622, Directed Studies, 9 courses. 3.00 credit hours.

New Programs Developed/Major Program Revision: 1 course.  
Graduate Program in Geographic Information Science

## **SERVICE**

### **University Service**

ESRI GIS software site license technical support/contact at UNC. (2003 - Present).

ESRI GIS Virtual Campus site license administrator at UNC. (2003 - Present).

ESRI Site Administrator at UNC. (2003 - Present).

Committee Member, Academic Technology Advisory Group. (2015 - 2017).

Committee Member, Information Technology Committee. (2007 - 2012).

Committee Member, University Computer Refresh Committee. (2005 - 2011).

Committee Member, IT Standardization and Policy Subcommittee. (2007 - 2010).

Committee Member, University International Affairs Committee, CMSU. (1993 - 1995).

Committee Member, University Awards Committee, CMSU. (1992 - 1994).

### **College Service**

Committee Member, College Awards Committee. (2009).

Committee Member, College Awards Committee. (2007).

Committee Member, College of Humanities and Social Sciences Policy and Procedure Committee. (2007).

Committee Member, College of Arts and Sciences Student Technology Fee Requests Committee. (2003).

Secretary, Arts and Sciences Curriculum Committee, CMSU. (1994 - 1995).

Committee Member, Arts and Sciences Curriculum Committee, CMSU. (1991 - 1993).

## **Department Service**

Coordinator, Geographic Information Science Laboratory. (2001 - Present).

Committee Chair, Student Awards Committee. (2005 - 2014).

Faculty Advisor, UNC Powell Club. (2001 - 2011).

Member, Colorado Geography Education Fund Planning Grant Advisory Board. (2003).

Committee Chair, Student Awards Committee. (2003).

Coordinated cataloguing of Department maps sets. Cataloged individual maps using the Library of Congress map classification system. (2002 - 2003).

Coordinator, Spatial Data Analysis Center, Dept. of Pol. Sci. and Geography, CMSU. (1995 - 2001).

Faculty Advisor, Gamma Theta Upsilon (honorary Geography society), CMSU. (1991 - 2001).

Faculty Mentor, McNair Scholars, CMSU. (2000).

Committee Chair, Administrative Affairs Committee. (1993 - 2000).

Committee Member, Geography Curriculum Committee, CMSU. (1991 - 2000).

Faculty Advisor, CMSU Geography Club. (1991 - 1999).

Committee Member, Geography Assessment Committee, CMSU. (1991 - 1996).

Faculty Advisor, CMSU, Crankset Mountain bike Club. (1991 - 1992).

## **Professional Service**

Chairperson, Colorado GIS in Higher Education Summit 2016, Broomfield, CO. (2016).

Reviewer, Journal Article, Professional Geographer. (2014).

Task Force Member, Outstanding Support for Geography Education Task Force. (2009 - 2012).

Committee Member, Coordinating Advisory Committee, Colorado Geographic Alliance. (2008 - 2011).

Committee Member, Ed Forrest Internship Program Committee. (2003 - 2004).

Task Force Chair, National Council for Geographic Education's Excellence in Media Award Task Force. (1996 - 2001).

Committee Member, Journal of Geography Awards Task Force. National Council for Geographic Education (chair 1998). (1994 - 1998).

Acknowledged as a major reviewer for: Aryeetey-Attoh, Samuel (ed.) Geography of Sub-Saharan Africa. Prentice Hall. (1997).

Reviewer, Professional Geographer. (1996 - 1997).

Committee Member, Extended Campus Advisory Council (chair 96-97). (1994 - 1997).

Student Paper Judge at the Association of American Geographers, Great Plains-Rocky Mountain Region Annual Meeting. (1992).

Editorial Review Board Member, Great Plains-Rocky Mountain Geographical Journal. (1991).

## **Public/Community Service**

Officer, Treasurer, Fish Creek Water Association. (2011 - Present).

Committee Member, SAC Committee, Loveland Mountain View High School. (2009 - 2013).

Committee Member, Aims Community College GIS Advisory Board. (2002 - 2004).

## **Consulting**

Government, GIS/Cartography specialist. PI Robert Brunswig. North Park Cultural Landscapes Project. Funding: Colorado Historical Society, Colorado. (2008 - 2016).

GIS work on Grant entitled: Sacred Landscapes of Rocky Mountain National Park: Model Validation Surveys. Funding: National Park Service. Diggs and Brunswig PI's. (2010 - 2011).

2008-2009. GIS/Cartography specialist. PIs Robert Brunswig and James Doerner. Pilot Study for Investigations into Cultural-Natural Landscapes and Ecological Patch Islands in Forest Canyon Pass, Rocky Mountain National Park. Funding: National Park Service. (2008 - 2009).

GIS/Cartography specialist. PI: Robert Brunswig. Funding: National Park Service. (2007 - 2009).

GIS specialist. Survey, High-Resolution Mapping and Predictive Modeling of Native American Sacred Sites in Rocky Mountain National Park. PI: Bob Brunswig. Funding: National Park Service. (2005 - 2008).

GIS/Cartography specialist. Rebuilding a Statewide Network for Geography Education: The Colorado Association for Geography Education. PIs: Phil Klein and James Dunn. Funding: National Geographic Society. (2005 - 2007).

Cartographer and consultant for: World 21: A Multimedia/GIS World Geography Learning System. Project sponsored by Public Media Inc. and the BBC. (2002).

## **DEVELOPMENT ACTIVITIES ATTENDED**

Workshop, "Developing Web Apps with ArcGIS API for JavaScript," ESRI, Broomfield, CO, USA.

(January 2016 - February 2016).

Continuing Education Program, "Authoring Web Maps Using ArcGIS Online. ESRI Virtual Campus Course, 1 module." (2013).

Continuing Education Program, "Creating Web Applications Using ArcGIS Online. ESRI Virtual Campus Course, 1 module." (2013).

Continuing Education Program, "Introduction to the ArcGIS for Server REST API. ESRI Virtual Campus Course, 3 modules." (2013).

Continuing Education Program, "Teaching with GIS: Introduction to Using GIS in the Classroom. ESRI Virtual Campus Course, 3 modules." (2013).

Workshop, "ArcGIS Online Subscriptions: Mapping and GIS for Organizations." (2013).

Workshop, "Getting Started with ArcGIS Viewer for Flex." (2013).

Workshop, "Increase the Value of ArcGIS Services with ArcGIS Online." (2013).

Workshop, "Introduction to ArcGIS Viewer for Flex." (2013).

Workshop, "Smartphone GIS: Capturing Data with Collector for ArcGIS." (2013).

Continuing Education Program, "Creating Effective Web Applications using ArcGIS Server 10. ESRI instructor led 2-day course." (December 2011).

Continuing Education Program, "Basics of Raster Data. ESRI Virtual Campus Course, 1 module." (2011).

Continuing Education Program, "Deriving Rasters for Terrain Analysis Using ArcGIS 10. ESRI Virtual Campus Course, 1 module." (2011).

Continuing Education Program, "Distance Analysis Using ArcGIS 10. ESRI Virtual Campus Course, 1 module." (2011).

Continuing Education Program, "Exploring Spatial Patterns in Your Data Using ArcGIS 10. ESRI Virtual Campus Course, 1 module." (2011).

Continuing Education Program, "Introduction to Surface Modeling Using ArcGIS 10. ESRI Virtual Campus Course, 1 module." (2011).

Continuing Education Program, "Organizing Raster Data Using ArcGIS 10. ESRI Virtual Campus Course, 1 module." (2011).

Continuing Education Program, "Performing Spatial Interpolation Using ArcGIS 10. ESRI Virtual Campus Course, 1 module." (2011).

Workshop, "Introduction to Spatial Pattern Analysis." (2011).

Workshop, "Regression Analysis Basics in ArcGIS 9.3." (2011).

Continuing Education Program, "Introduction to ArcGIS Server. ESRI instructor led 2-day course." (September 2011).

Conference Attendance, "Annual ESRI International User Conference," San Francisco,

California. (July 2011).

Continuing Education Program, "Geoprocessing in ArcGIS. ESRI Virtual Campus Course, 5 modules." (2010).

Continuing Education Program, "Getting Started with ArcGIS. ESRI Virtual Campus Course, 3 modules." (2010).

Continuing Education Program, "Learning ArcGIS Desktop. ESRI Virtual Campus Course, 8 modules." (2010).

Continuing Education Program, "Learning Visual Basic for Applications for New ArcGIS Developers. ESRI Virtual Campus Course, 4 modules." (2010).

Continuing Education Program, "Spatial Analysis of Geohazards Using ArcGIS 9. ESRI Virtual Campus Course, 6 modules." (2010).

Continuing Education Program, "Turning Data into Information Using ArcGIS 9. ESRI Virtual Campus Course, 6 modules." (2010).

Continuing Education Program, "Understanding Map Projections and Coordinate Systems. ESRI Virtual Campus Course, 6 modules." (2010).

Conference Attendance, "29th Annual ESRI International User Conference," San Diego, California. (July 2009).

Continuing Education Program, "Georeferencing Rasters in ArcGIS. ESRI Virtual Campus Course, 1 module." (2007).

Continuing Education Program, "Learning ArcGIS 3D Analyst (for 9.0-9.1) ESRI Virtual Campus Course, 7 modules." (2007).

Continuing Education Program, "Learning ArcGIS Spatial Analyst (for 9.0-9.1) ESRI Virtual Campus Course, 6 modules." (2007).

Conference Attendance, "Front Range GIS EXPO," Fort Collins, Colorado. (June 2007).

Conference Attendance, "26th Annual ESRI International User Conference," San Diego, California. (August 2006).

Continuing Education Program, "Cartographic Design Using ArcGIS. ESRI Virtual Campus Course, 7 modules." (2005).

Continuing Education Program, "Creating and Editing Geodatabase Features with ArcGIS 9 for ArcEditor and ArcInfo. ESRI Virtual Campus Course, 2 modules." (2005).

Continuing Education Program, "Creating and Editing Geodatabase Topology with ArcGIS 9 for ArcEditor and ArcInfo. ESRI Virtual Campus Course, 2 modules." (2005).

Continuing Education Program, "Creating and Integrating Data for Natural Resource Applications. ESRI Virtual Campus Course, 4 modules." (2005).

Continuing Education Program, "Creating and Integrating Data for Natural Resource Applications. ESRI Virtual Campus Course, 4 modules." (2005).

Continuing Education Program, "Creating, Editing, and Managing Geodatabases for ArcGIS 9.

ESRI Virtual Campus Course, 4 modules." (2005).

Continuing Education Program, "Learning ArcGIS 3D Analyst. ESRI Virtual Campus Course, 6 modules." (2005).

Conference Attendance, "Front Range GIS EXPO," Fort Collins, Colorado. (June 2005).

Continuing Education Program, "Customizing ArcIMS 4. ESRI Virtual Campus Course, 2 modules." (2004).

Continuing Education Program, "Learning ArcIMS 4. ESRI Virtual Campus Course, 4 modules." (2004).

Workshop, "ESRI GIS Workshop," Westminster, Colorado. (May 2004).

Continuing Education Program, "Introduction to ArcGIS 8 Geostatistical Analyst. ESRI Virtual Campus Course, 1 module." (2003).

Continuing Education Program, "Introduction to Successful Marketing Using ArcView 3.x. ESRI Virtual Campus Course, 6 modules." (2003).

Continuing Education Program, "Learning ArcGIS 8 Spatial Analyst. ESRI Virtual Campus Course, 6 modules." (2003).

Workshop, "ESRI GIS Workshop," Broomfield, Colorado. (September 2003).

Continuing Education Program, "Learning ArcGIS 8, Part II. ESRI Virtual Campus Course, 5 modules." (2002).

Workshop, "ArcGIS Geodatabase Design workshop," Fort Collins, Colorado. (November 2001).

Workshop, "Trimble GPS Workshop," Denver, Colorado. (October 2001).

Workshop, "GIS and IDRISI Software Workshop," Central Missouri State University, Warrensburg, Missouri. (1997).

Workshop, "ArcView GIS Training Workshop," Central Missouri State University, Warrensburg, Missouri. (1993).

## **AWARDS AND HONORS**

### **Other**

Favorite Professor, Mortar Board National College Senior Honor Society, University of Northern Colorado Chapter. (2011).

Excellence in Advising and Service Award, College of Humanities and Social Sciences, University of Northern Colorado. (2009).

Nominated for: College Service Award, University of Northern Colorado. (2004).

Best Delegation award, Great Plains Model Arab League. Orange City, Iowa. (1996).

### **Service**

College Service Award, University of Northern Colorado. (2005).



## **Teaching**

Excellence in Teaching Award, College of Humanities and Social Sciences, University of Northern Colorado. (2007).

## **PROFESSIONAL MEMBERSHIPS**

GIS Colorado. (2010 - 2016).

Geospatial and Information Technology Association. (2001 - 2016).

National Council for Geographic Information. (1990 - 2016).