

## **J Benjamin McMahan [Ben]**

*Assistant Research Scientist*, University of Arizona Institute of the Environment  
*Outreach & Assessment Specialist*, Climate Assessment for the Southwest (CLIMAS)  
(520) 626-2283 - - bmcmahana@email.arizona.edu

*Other Affiliations:*

*Assistant Professor of Anthropology* – UA School of Anthropology  
*Faculty Fellow* – Agnese Nelms Haury Program in Environment and Social Justice

### **HIGHER EDUCATION**

**2014 – PhD Sociocultural Anthropology** – University of Arizona

- *Dissertation*: “Risk, Luck, and Resiliency: Hurricanes and Disaster on the US Gulf Coast”
- *Advisors*: Dr. Mark Nichter & Dr. Diane Austin

**2004 – MS Sociocultural Anthropology** – Idaho State University

- *Thesis*: “TB and HIV/AIDS: Mapping the Social Topographies of Disease and Illness in NYC”
- *Advisor*: Dr. Elizabeth Cartwright

**2002 – Post Baccalaureate Certificate in Geosciences (GIS/RS)** – Idaho State University

- *Focus area*: GIS & Remote Sensing for Natural Resources

**2000 – BA Cultural Anthropology** – University of Nebraska Lincoln

- *Minors*: Biology, History, Photography

### **PROFESSIONAL EXPERIENCE**

June 2014 – Present *Primary Appointment: Assistant Research Scientist* - Climate Assessment for the Southwest (CLIMAS), University of Arizona Institute of the Environment

Jan 2017 – Present *Affiliated Faculty: Assistant Professor of Anthropology*, University of Arizona School of Anthropology

Jun 2017 – Present **Faculty Fellow**, Agnese Nelms Haury Program in Environment and Social Justice, University of Arizona

Aug 2013 – Aug 2015 *Research Consultant, Online Editor* - Borderlands Restoration, Patagonia, AZ

Dec 2011 – July 2014 *Online Editor, Design Consultant* – Quit Tobacco International (Fogarty Intl.), University of Arizona School of Anthropology

Dec 2007 – Dec 2013 *Research Associate, Community Ethnographer* – Bureau of Applied Research in Anthropology – Univ. of Arizona

Jul 2007 – Oct 2012 *Online Editor, Chair: Comm. Committee* - Society for Medical Anthropology

Jan 2007 – May 2012 *Graduate Teaching Associate* – Univ. of Arizona Dept of Anthropology

Jun 2010 – Dec 2011 *Instructor*, Univ. of Arizona Dept of Anthropology

Jan 2005 – May 2010 *Graduate Research Assistant* Univ. of Arizona Dept of Anthropology

Jan 2004 – Jan 2005 *Research Associate* – Idaho State Univ. Hispanic Health Projects (HHP)

Jan 2001 – Mar 2004 *GIS and Remote Sensing Analyst* - Idaho State Univ. Dept of Geosciences

## GRANTS & CONTRACTS

**2017-2018. PI (\$25,000 total, \$10,000 sub-award to UA).** NOAA-West Strategic Priorities for Climate Services Assessment, *NOAA Western Region & CU Boulder.*

**2017-2019. PI (\$29,738).** Sustained Assessment Specialist Collaborative Research on Climate Vulnerability Assessments. *NOAA Climate Program Office's Regional Integrated Sciences and Assessments (RISA) Program & CU Boulder.*

**2017-2019. Faculty Fellow. (\$78,000)** *Citizen Science Environmental Monitoring and Assessment: Opportunities for Collaborative Community Based Research.* Agnese Nelms Haury Program in Environment and Social Justice, University of Arizona

**2017-2022. Co-Investigator (D. Ferguson, Lead-PI). (\$3,727,990 total, \$144,072 project)** NOAA Climate Program Office's Regional Integrated Sciences and Assessments (RISA) Program, NOAA-OAR-CPO-2017-2005017

**2015-2017. Co-Investigator. (A. Gerlak, Project Lead) (\$108,000)** UA Office of Research and Discovery, Collaborative Research on Climate Risk and Business Resilience. *An Initiative to Support Arizona's Business Community in Managing Climate Risk*

**2015-2017. Project Lead. (~\$50,000 project budget)** NOAA Climate Program Office's Regional Integrated Sciences and Assessments (RISA) Program, NA12OAR4310124. *Ongoing Assessment of Climate Vulnerability and Resilience within the Southwest.*

**2010-2012. Co-PI. (\$15,000)** NSF Doctoral Dissertation Improvement Grant: Post-Hurricane Participatory GIS Mapping along the Gulf Coast to Assess Community Preparedness and Social Network Connection

## REFERREED ARTICLES

Gerlak, Andrea, J. Weston, **B. McMahan,**

In review – *Climate Risk Management and the Electricity Sector.* Accepted with minor revisions at Climate Risk Management.

**McMahan, Ben,** & A. Gerlak

In preparation for *Climate Services* – Climate Services as a Verb not a Noun – Lessons from a Collaborative Assessment of the SW Utility Sector.

Garfin, G., S. LeRoy, **B. McMahan.**

In preparation for *Climate Risk Management* – Reflections on Preparing for Climate-Related High Impact, Low Probability Events.

**McMahan, Ben**

In preparation for *Human Organization.* Extreme Environments & Resilient People – What do climate extremes in Louisiana and Arizona tell us about managing climate risk and adaptation.

**McMahan, Ben** & Emery Eaves

In preparation – Extreme Heat Risk: Policy Implications and Adapting Academic Debate into Local Practice.

**McMahan, Ben** & David Seibert

2011 - *Dearth and Deluge: Sustaining Lives and Livelihoods under Threat* - Anthropology News 52(4).

**McMahan, Ben,** Brian Burke, & Gigi Owen

2008 - *Sustainable University-Community Partnerships: Balancing Teaching, Research and Action.*  
2008. Anthropology News 49(6)

**McMahan, Ben**

2007 - *Participatory Mapping for Community Environmental Health Assessment on the US-Mexico Border.* Practicing Anthropology 29(4):34-38.

Glantz, Namino & **Ben McMahan**

2007 - *Merging Formative Research with GIS Mapping to Address Elder Health in Chiapas, Mexico*. *Practicing Anthropology* 29(4):6-14. (Co-Edited Volume w/ N Glantz)

Stocks, Anthony, **Ben McMahan** & Peter Taber

2007 - *Indigenous, Colonist, and Government Impacts on Nicaragua's Bosawas Reserve*. *Conservation Biology* 21(6):1495-1505.

**McMahan, Ben**, Joel Sauder, & Keith Weber

2002 Using Remotely Sensed Data in Urban Sprawl and Green Space Analyses. *Intermountain Journal of Science* 8:1.

## BOOK CHAPTERS

**McMahan, Ben**

2015 – *The Anthropocene: Reading the Environment*. Ch 10.3 in *The Routledge Handbook of Medical Anthropology*. Lenore Manderson, Elizabeth Cartwright, and Anita Hardon, Eds. (Invited, Peer Reviewed)

**McMahan, Ben** & Mark Nichter

2011 - *What does Medical Anthropology Contribute to Environmental Health*. Commissioned chapter in *Encyclopedia of Environmental Health*, Jerome Nriagu (ed.). Elsevier, February 2011 (Invited, Peer Reviewed)

## INVITED/EDITED ACADEMIC ONLINE/BLOGS

**McMahan, Ben**

2017 - What if both lines go down? Embedded vulnerability in the U.S. Southwest electrical grid. *Platypus: The CASTAC blog*. April 21, 2017. <http://blog.castac.org/2017/04/what-if-both-lines-go-down-embedded-vulnerability-in-the-u-s-southwest-electrical-grid/>

**McMahan, Ben**

2017 - Harvey, Vulnerability, and Resilience in Context on the Gulf Coast. *Platypus: The CASTAC blog*. Sept 1, 2017. <http://blog.castac.org/2017/09/hurricane-context/>

**McMahan, Ben**

2013 - Disaster: Provocation. *Cultural Anthropology* website, March 11, 2013. <https://culanth.org/fieldsights/144-disaster-provocation>

## TECHNICAL REPORTS

Gerlak, Andrea K. & **Ben McMahan**

2017 - *Climate Risks and Impacts For The Regional Utility Sector: Results of a Collaborative Research Process with Tucson Electric Power* Report to University of Arizona office of Research, Discovery and Innovation. Tucson, AZ: CLIMAS 53pp.

Meadow, Alison, E. McNie, J. Berggren, R. Norton, **B. McMahan**, G. Owen, L. Rae

2016 - *NOAA Western Region Climate Service Providers Database Development and Preliminary Analysis*. Report to NOAA Western Region. Boulder, CO: Western Water Assessment, 22p.

Garfin, G., S. LeRoy, **B. McMahan**, M. Black, and B. Roh.

2016 – Preparing for High Consequence, Low Probability Events: Heat, Water & Energy in the Southwest. Report to the U.S. Bureau of Reclamation, from the project Enhancing Water Supply Reliability. Tucson, AZ: Institute of the Environment, 30 p.

**McMahan, Ben** & Lauren Penney

2014 – *Risk and Responsibility: Occupational Health in the Fabrication and Shipbuilding Industry –in Gulf coast communities and the fabrication and shipbuilding industry: a comparative*

*community study, Volume III: Technical papers. (McGuire, Tom, Austin, Diane, Drexel Woodson, eds.) Dept. of the Interior, Bureau of Ocean Energy Management, Gulf of Mexico OCS Region, New Orleans, LA. OCS Study BOEM 2014-611. 241 pp.*

**McMahan, Ben**

2014 – *Cones of Uncertainty: The Nature of Business in Hurricane Country – in Gulf coast communities and the fabrication and shipbuilding industry: a comparative community study, Volume III: Technical papers. (McGuire, Tom, Austin, Diane, Drexel Woodson, eds.) Dept. of the Interior, Bureau of Ocean Energy Management, Gulf of Mexico OCS Region, New Orleans, LA. OCS Study BOEM 2014-611. 241 pp.*

**McMahan, Ben**

2014 – *Impact of Hurricanes on the Deepwater Horizon Disaster – in MMS/BOEM Project Interim Report chapter, Diane Austin, Ed.*

**McMahan, Ben, J Theriot, J Stockley & J Lajaunie**

2012 – *Community Ethnographic Profile: East St. Mary Parish Country – in Fabrication and Shipbuilding MMS/BOEM Project Final Report (grey literature, government document)*

**McMahan, Ben, J Theriot, J Stockley & J Lajaunie**

2012 – *Community Ethnographic Profile: Port Arthur/Orange Country – in Fabrication and Shipbuilding MMS/BOEM Project Final Report (grey literature, government document;)*

**McMahan, Ben**

2009 - *Cones of Uncertainty: The Nature of Business in Hurricane Country. Minerals Management Service Information Transfer Meeting Conference Proceedings, New Orleans, LA January 2009.*

Stocks, Anthony, **Ben McMahan** & Peter Taber

2004 - *Use of Remote Sensing Data to Compare the State of the Forest Under Indigenous/Mestizo Management In the Bosawas International Biosphere Reserve, Nicaragua. Nature Conservancy Report.*

**McMahan, Ben, C. Witt, K.T. Weber**

2004 – *GAP analysis ground-truthing in southeastern Idaho – Idaho State University GIS Training & Research Center, Pocatello,*

*ID: [http://giscenter.isu.edu/research/techpg/lcc/documents/GAP\\_ABfinal.pdf](http://giscenter.isu.edu/research/techpg/lcc/documents/GAP_ABfinal.pdf)*

Keith T. Weber, **B. McMahan**, G. Russell

2004 – *Effect of livestock grazing and fire history on fuel load in sagebrush-steppe rangelands –Idaho State University GIS Training & Research Center, Pocatello,*

*ID [http://giscenter.isu.edu/Research/Techpg/nasa\\_wildfire/pdf/Chapter9.pdf](http://giscenter.isu.edu/Research/Techpg/nasa_wildfire/pdf/Chapter9.pdf)*

Keith T. Weber, **B. McMahan**, G. Russell

2004 – *Effect of livestock grazing and fire history on fuel load in sagebrush-steppe rangelands –Idaho State University GIS Training & Research Center, Pocatello,*

*ID [http://giscenter.isu.edu/Research/Techpg/nasa\\_wildfire/pdf/Chapter9.pdf](http://giscenter.isu.edu/Research/Techpg/nasa_wildfire/pdf/Chapter9.pdf)*

Keith T. Weber, **B. McMahan**, P. Johnson, G. Russell

2003 – *Modeling lightning as an ignition source of rangeland wildfire in southeastern idaho –Idaho State University GIS Training & Research Center, Pocatello,*

*ID [http://giscenter.isu.edu/Research/Techpg/nasa\\_wildfire/pdf/Chapter2.pdf](http://giscenter.isu.edu/Research/Techpg/nasa_wildfire/pdf/Chapter2.pdf)*

Keith T. Weber, **B. McMahan**

2002 – *Field collection of fuel load and vegetation characteristics wildfire risk assessment modeling: 2002 field sampling report –Idaho State University GIS Training & Research Center, Pocatello,*

*ID [http://giscenter.isu.edu/Research/Techpg/nasa\\_wildfire/pdf/Chapter2.pdf](http://giscenter.isu.edu/Research/Techpg/nasa_wildfire/pdf/Chapter2.pdf)*

**McMahan, Ben**, D. Narsavage, K.T. Weber

2002 – *The "pole cam": corroborating field estimations with high spatial resolution imagery – Idaho State University GIS Training & Research Center, Pocatello,*

ID: [http://giscenter.isu.edu/Research/Techpg/nasa\\_wildfire/pdf/Chapter3.pdf](http://giscenter.isu.edu/Research/Techpg/nasa_wildfire/pdf/Chapter3.pdf)

**McMahan, Ben**, C. Witt, K.T. Weber

2002 – *Validation alternatives for classified imagery– Idaho State University GIS Training & Research Center, Pocatello,*

ID: [http://giscenter.isu.edu/%5C/Research/Techpg/nasa\\_wildfire/pdf/Chapter10.pdf](http://giscenter.isu.edu/%5C/Research/Techpg/nasa_wildfire/pdf/Chapter10.pdf)

**McMahan, Ben**, C. Witt, K.T. Weber

2002 – *Fuzzy classification of heterogeneous vegetation in a complex arid ecosystem – Idaho State University GIS Training & Research Center, Pocatello,*

ID: [http://giscenter.isu.edu/%5C/Research/Techpg/nasa\\_wildfire/pdf/Chapter7.pdf](http://giscenter.isu.edu/%5C/Research/Techpg/nasa_wildfire/pdf/Chapter7.pdf)

**McMahan, Ben**, K.T. Weber

2002 – *Wildfire risk model validation– Idaho State University GIS Training & Research Center, Pocatello, ID: [http://giscenter.isu.edu/Research/techpg/nasa\\_wildfire/pdf/Chapter8.pdf](http://giscenter.isu.edu/Research/techpg/nasa_wildfire/pdf/Chapter8.pdf)*

## FILMS

**McMahan, Ben**

2006 – ARAN 10-year anniversary retrospective. Short film in conjunction with the Bureau of Applied Research in Anthropology (BARA) and the Asociacion de Revegetation en Ambos Nogales (ARAN)

2003 – Two Barriers – Rivers and Railroads in a Western Town. *Short Film* presented at the Idaho “Spud-Dance” Independent Film Festival, Dec 17, 2003.

## HONORS, FELLOWSHIPS, & AWARDS:

Diebold Research Fellowship (2011)

Anthropology New Online Course Development Award (2010)

Stanley R Grant Award (2007)

SBS Outstanding Teaching Assistant Award (2007)

Comins Fellowship (2006)

Traditions, Transitions and Treasures Award (2006)

## PRESENTATIONS

**McMahan, Ben**

2017 – Heat and vulnerability in the U.S. Southwest - Assessing connections between social and environmental risks across multiple timescales. CLIMAS colloquium Fall 2017

**McMahan, Ben**

2017 – *Anthropological Insights from ‘Climate Assessment for the Southwest’ (CLIMAS)’* (Invited Panel) Society for Applied Anthropology, Santa Fe, NM.

**McMahan, Ben**

2017 – Qualitative Climate Risk Assessments for the Utility Sector - An example from the Arizona Business Resilience Initiative. CLIMAS colloquium Spring 2017

**McMahan, Ben**

2016 – Closing Panel at the College of Public Health 10th Annual Social Justice Symposium - No One is Immune: Social Justice, Climate Change, and Health - April 15 2016

**McMahan, Ben**

2016 – *Extreme Heat Risk: Policy Implications and Local Practice in the Southwest* (Submitted Paper/Panel) Society for Applied Anthropology, Vancouver, BC, Canada.

**McMahan, Ben**

2016 – *Drought & Climate (Change): a focus on the Southwest* (Invited) NOAA Citizen Engagement and Education Planning Workshop, Phoenix, AZ.

**McMahan, Ben**

2015 – *Hurricanes and Disaster: Vulnerability and Resilience in Social Networks, Institutions, and Infrastructure Along the U.S. Gulf Coast* (Submitted Paper/Panel) American Association of Anthropology, Denver, CO.

**McMahan, Ben**

2015 – *SW Climate - Implications for Natural & Cultural Resources from Climate Change* (Invited) Saguaro National Park Climate Friendly Parks workshop, Tucson, AZ.

**McMahan, Ben**

2015 – *Health, Vulnerability, and the Cascading Effects of Climate Extremes: Collaborative Research in the SW* (Invited Paper/Panel) RISA Annual Meeting, Charleston, SC.

**McMahan, Ben**

2015 – *Building A Regional Climate Database: Applications For Research, Collaboration, and Public Engagement* (Submitted Paper/Panel) American Meteorological Society, Phoenix, AZ.

**McMahan, Ben**

2012 – *Rendered Abstract: Ecobiopolitics and Neoliberal Logics, Post Hurricane Recovery and Questions of Responsibility and Sustainability* (Submitted Paper/Panel) American Association of Anthropology, San Francisco, CA

**McMahan, Ben**

2011 – *Expanding the Influence of Applied Anthropology: Hitting the Ground Running: Hurricane Response and Recovery on the US Gulf Coast* “. (Submitted Paper/Panel) Society for Applied Anthropology, Seattle, WA

**McMahan, Ben**

2010 – *Hurricanes - “Not If, But When?” - Sustainability and Preparedness in the Dynamic Risk Environment of the US Gulf Coast.* (Submitted Paper/Panel) American Anthropological Association, New Orleans, LA.

**McMahan, Ben, Peter Taber, & Dana Osborne**

2010 – *Social Gaming and Music Ideologies.* (Poster). American Anthropological Association, New Orleans, LA.

**McMahan, Ben**

2010 – *Risk, Luck, and Resiliency - Hurricane Response and Recovery in US Gulf Coast Fabrication and Shipbuilding Communities.* (Author/Panel-Organizer, Submitted Paper/Panel). Society for Applied Anthropology, Merida, MX.

**McMahan, Ben, Peter Taber, & Dana Osborne**

2009 – *Face to Face, Face to Screen: The Mediated Performance of Guitar Hero.* (Submitted Poster). American Anthropological Association, Philadelphia, PA.

**McMahan, Ben**

2009 - *Cones of Uncertainty*:. Society for Applied Anthropology, Santa Fe, NM.

**Prakash, Preetam & Ben McMahan**

2009 - *Growing Them In-House. Contemporary Developments in Training Procedures and Work Culture on the Gulf Coast*. Society for Applied Anthropology, Santa Fe, NM. (Submitted Paper/Panel; Prakash, co-author)

**McMahan, Ben**

2009 - *Cones of Uncertainty: The Nature of Business in Hurricane Country*. Minerals Management Service Information Transfer Meeting, New Orleans, LA. (Invited Paper/Panel)

**McMahan, Ben**

2008 - *Participatory GIS Mapping in Environmental Health Research, Education, & Outreach*. Society for Applied Anthropology, Memphis, TN. (Submitted Paper/Panel)

**McMahan, Ben & Brian Burke**

2007 - *Participatory Mapping for Community Environmental Health Assessment on the US-Mexico Border*. Society for Applied Anthropology, Tampa, FL. (Organizer: Submitted Paper/Panel)

**Glantz, Namino & Ben McMahan**

2007 - *Merging Formative Research with GIS Mapping to Address Elder Health in Chiapas, Mexico*. Society for Applied Anthropology, Tampa, FL. (Organizer: Submitted Paper/Panel)

**Bourgois, Phillipe, Dan Ciccarone, & Ben McMahan**

2004 - *Black Tar Heroin Use May Explain Lower HIV Prevalence among Injection Drug Users in the Western United States*. 15th International AIDS Conference, Bangkok, Thailand. (Poster, D Ciccarone and P Bourgois, Co-Authors)

**McMahan, Ben**

2003 - *TB and HIV/AIDS: Mapping the Social Topographies of Disease and Illness*. American Anthropological Association, Chicago, IL, (Submitted Paper)

**Cartwright, Elizabeth & Ben McMahan**

2003 - *Action Anthropology and Social Justice: At What Level Intervention?* American Anthropological Association, Chicago, IL, (Submitted Paper/Panel; E Cartwright, Co-Author)

**McMahan, Ben**

2003 - *TB and HIV/AIDS: Intersecting Epidemiology and Anthropology Using GIS Technology*. ESRI International Health GIS Users Conference, Arlington, VA (Submitted Poster).

**McMahan, Ben**

2003 - *TB and HIV/AIDS: Mapping Disease and Illness in New York City*, NY. Kasiska College of Health Professions Conference, Pocatello, ID. (Submitted Poster)

**McMahan, Ben**

2002 - *MS Thesis Research Presentation*. Idaho State University Colloquium, Pocatello, ID. (Invited lecture)

**McMahan, Ben**

2001-2003 - 5 professional papers presented as part of the Idaho State University Land Cover Change, Wildfire Effects on Rangeland Ecosystems, and Invasive Species Monitoring Projects.

2001 – 2003 - 10 professional posters as part of work on Idaho State University Land Cover Change, Wildfire Effects on Rangeland Ecosystems, and Invasive Species Monitoring Projects.

### **FIELD RESEARCH & SCHOLARLY TRAVEL:**

2010-2014 – Fieldwork: Louisiana & Texas; Dissertation & BARA oil spill response research  
2009-2014 – Fieldwork: Louisiana & Texas; Dissertation  
2008-2009 – Fieldwork: Louisiana & Texas: BARA/MMS work on oil & gas industry  
2007 – Fieldwork: Louisiana; BARA/MMS, Dissertation Scoping  
2006 – Fieldwork: Chiapas, Mexico: Research Consultant  
2005 – Fieldwork: Idaho: Goshawk Monitoring Surveys  
2004 – 2005 Fieldwork: Mexico; Dissertation Scoping  
2004 - Fieldwork: Nicaragua; Ground Truthing GIS models  
2003 – Fieldwork: Idaho: GIS Model Building/Testing  
2000 – University of Nebraska Archeological Field School

### **OUTREACH**

#### **McMahan, Ben**

2014-Present – Editor and Contributor/Author. Southwest Climate Outlook (SWCO). Editor 40 issues, Author: 2-4 mini-articles per issue. <http://www.climas.arizona.edu/blog>

#### **McMahan, Ben**

2014-Present – Producer and Editor. Southwest Climate Podcast. Producer, Editor and Occasional Participant for ~35 episodes of the podcast. <http://www.climas.arizona.edu/media/podcasts>

#### **McMahan, Ben**

2014-Present – Online Editor and Contributor/Author. Southwestern Oscillations (CLIMAS Blog). 133 posts authored, 241 posts edited. <http://www.climas.arizona.edu/blog>

### **SERVICE**

**PhD Committee Member** – Joy Liu (SNRE/SoA)

**M.A. Committee Member** – Danielle Johnson (SoA)

#### **Graduate Research Academic Mentoring**

Christina Greene (SGD) Kerrie Geil (ATMO), Emilie Schur (SGD), Ryan Dennis (HAS)

#### **Graduate Research Project Mentoring & Supervision**

Kerrie Geil (ATMO), Emilie Schur (SGD), Emery Eaves (SoA)

#### **Post-Doc Supervision**

Emery Eaves (SoA)

#### **Other Program Advisory & Planning Committees**

Institute of the Environment Strategic Planning Committee

CLIMAS Climate & Society Graduate Fellows Review Committee

Bureau of Reclamation - “High-Low” Workshop

### **PROFESSIONAL ASSOCIATIONS**

American Anthropological Association, Society for Applied Anthropology, Society for Cultural Anthropology, Society for Medical Anthropology, American Meteorological Society, Society for Environmental Anthropology, American Meteorological Society



*Reviewer:* Arizona Anthropologist, Journal of Environmental Anthropology, Environment and Planning B, Climatic Change

## **TECHNICAL SKILLS**

Geographic Information Systems (GIS); Remote Sensing; Cartography and Map Design; Statistics/Spatial Statistics; 35mm/Digital Photography; Digital Video and Photo Editing; Audio Recording and Editing; Graphic Design Theory & Software; Visual Basic; HTML/CSS/CMS Web Design; Relational Databases;

## **SOFTWARE**

*GIS/Remote Sensing:* ESRI/ArcVIEW/MAP/INFO, ENVI, ERDAS Imagine, Idrisi32, GRASS

*Statistics/Database:* Python, MATLAB, R, SPSS, MS Access, Geostatistical Analyst

*Photo/Video/Audio:* InDesign, Final Cut Pro, Photoshop/Illustrator/GIMP,

*Web:* Dreamweaver, Wordpress, Joomla/Drupal/CMS, HTML/CSS, MySQL

*Qualitative/Network:* Atlas.ti, NVIVO, F4/F5, UCINET, EGONET, MAXQDA

## **LANGUAGES**

High-Intermediate Spanish (4 semesters university (2000), 4 weeks immersion school (Oaxaca 2004-05) – intermittent work/research/travels in Mexico, Limited German

## **REFERENCES** (current phone/email available on request)

Dr. Dan Ferguson, University of Arizona

Dr. Mark Nichter, University of Arizona

Dr. Diane Austin, University of Arizona

Dr. Carolyn Sargent, Washington University (St. Louis)

Dr. Brian Silverstein, University of Arizona

Dr. Elizabeth Cartwright, Idaho State University

Dr. Anthony Stocks, Emeritus Idaho State University