

Douglas Charles Brown

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EDUCATION

- Post-Masters studies toward PhD: 45 Quarter hours, July, 1983 - June, 1986, Department of Resource Development, Michigan State University, East Lansing, MI, USA
- M.S., May, 1983, Environmental Monitoring, Institute for Environmental Studies, University of Wisconsin Madison, WI, USA
- M.A., August, 1975, Geography, Memphis State University, Memphis, TN, USA
- B.A., June 1972, Geography, Macalester College, St. Paul, MN, USA

PROFESSIONAL EXPERIENCE:

- Current Activities
 - 1/09 to present, Mapping consultant for PatCordes Web design (<http://patcordeswebdesign.com>). Creating Google map mashups for web page clients.
 - 4/10 to present, GIS Corps Volunteer, mapping the impacts of the flooding in Shkoder, Albania for the Albanian Flooding Crisis Camp: <http://wiki.openstreetmap.org/wiki/AlbanianFloodingCrisisCamp>
 - 1998 to present, Member and Investigator, Grupo Ecologico “El Manglar,” A.C., Intensive participation in the organization and activities of this environmentally oriented civil action group. Our first big effort was a successful campaign to modify the operations of *AquaNova*, a large shrimp culture enterprise that was degrading significant areas of mangrove forests in the municipality. Later we organized and conducted three participatory development exercises in the area: 1) a [Socio-environmental Diagnostic](#) of eleven communities in the municipality using Participatory Rural Appraisal (PRA) methodology, 2) a [PRA study](#) of the potential for developing a fishery among the Huichol Indian communities based on the *Agua Milpa* Dam reservoir, and 3) a Participatory Community Development project to mitigate the effects of Hurricane Kenna (October, 2002) on the *ejido* of Singayta (see <http://www.singayta.com/>). I am currently conducting a study on the changes that have occurred in the Mangroves of San Blas Municipality from 1972 to the present with the goal of devising interventions to mitigate the degradation of the forest. The current status of this effort can be reviewed at: http://dcbrown.org/man_site.
 - 6/91 to present, Managing Partner, Tesoro de San Blas Resort, Mexico, As a “background activity” to my consulting work I have been the operational manager of a small (6 unit) beach resort for our partnership of three US citizens. This has

involved an enormously wide variety of specific tasks, ranging from administrative to maintenance.

- 7/07 to 7/08, GIS Technician in the Bahamas National GIS Centre responsible for all aspects of creating spatial databases as the core element of “Geographic Profiles” for three Islands of the Bahamas: Andros, Abaco, and Great Inagua.
- 4/05 to 9/05, GIS Officer, Humanitarian Information Center, United Nations Office for the Coordination of Humanitarian Affairs (OCHA), El Fashir, North Darfur, Sudan, responsible for providing cartographic support to approximately forty INGO’s and United Nations Agencies involved in the current humanitarian crisis caused by the conflict in the Darfur Region of Sudan.
- 4/5/04 to 12/11/04, Reporting Officer, United Nations Food and Agriculture Organization, Bosnia and Herzegovina, Principle task was to develop a manual titled [*Guidelines for Participatory Land Use Development in the Municipalities of Bosnia and Herzegovina*](#). The manual incorporates the experience gained by the project in six municipalities over the past four years and will be used to expand the methodology to other municipalities in BiH. Secondary tasks include writing the final project report, a periodic newsletter and the publication of three informational pamphlets publicizing the projects work.
- 4/03 to 10/03, GIS/Cartographic Advisor to the Census of Population and Housing of the State of Eritrea, United Nations Fund for Population Activities (UNFPA): provided technical leadership in the development of the cartographic database and applications software used to produce nearly 10,000 maps of the census enumeration areas for the 2003 census.
- 10/99 to 11/99, Consultant, Sustainable Agriculture and Natural Resource Management Collaborative Research Support Program (SANREM CRSP) at the University of Georgia. Athens, Georgia, Developed the implementation plan for the Global Knowledge Base System to link the programs NRM projects in four countries into an internet based administrative and research information sharing network.
- 5/98 to 7/98, Information System Specialist, Checchi and Company, Sub-Saharan Africa, As a member of the Mid-term Project Evaluation Team evaluated the computerized information system component of the USAID Famine Early Warning System (FEWS) project in Sub-Saharan Africa.
- 03/97 to 05/97, Land Use Planner, International Science and Technology Institute, Inc. (ISTI), Responsible for analyzing the NRM and land use components of the Senegal Agricultural Sector Analysis Update, which was to be used by USAID/Senegal as the basis for their strategic plan for agriculture.
- 06/93 to 10/93, Database System Specialist, World Education, Mali, Developed a computerized information management system for the World Bank *Projet de Gestion des Ressources Naturelles* for which we identified all of the NRM training resources in Mali (people, materials, and institutions) and registered them in a centralized relational data base.
- 10/91 to 05/93, Information Systems Specialist, Louis Berger International, Inc., Mali, Provided technical assistance and training in data analysis to researchers in the USAID funded Mali Farming Systems Research Project at the Institute of Rural Economics, as well as providing consultancy services in information technology to three other divisions of the Institute. Developed and conducted nine training seminars for the researchers and staff of the institute in data analysis and presentation techniques.

- 01/91 and 04/91 to 06/91, Information System Specialist, Tropical Research and Development (TR&D), West Africa, As a member to the Mid-Term Evaluation Team evaluated the Computerized Information System Component of USAID contribution to the AGRHYMET Program.
- 08/90 (3 weeks), Consultant, Devres, Inc, Belize, Wrote the specifications for the computerization and training components of the Fiscal Policy Planning and Management Draft Project Paper for USAID/Belize.
- 01/90 (2 weeks), Training Consultant, Earth Satellite Corporation, Haiti, Trained a Forestry team from Auburn University in the use of a GIS in a USAID sponsored project in Haiti.
- 8/89 to 01/90 (3 trips, 3 weeks each), Information System Specialist, Office of International Cooperation and Development, USDA, Morocco, Established a GIS system in the Moroccan Ministry of Agriculture National Agricultural Survey Office and trained the staff in its implementation. Also developed an equipment inventory management information system for the Ministry of Agriculture.
- 11/89 to 12/89, Training consultant, USGS EROS Data Center, Niger, Designed and conducted a training course in micro-computer maintenance procedures for technicians from nine West African countries for the USGS AGRHYMET program.
- 03/89 to 05/89, Information System Specialist, Devres, Guatemala, as a member of the mid-term evaluation team evaluated the Management Information System component of USAID sponsored Guatemalan Farm to Market Access Roads Program.
- 11/88 to 12/88, Information System Specialist, Institute for Development Anthropology, Senegal, Designed and installed a research information system for an anthropology project in the Senegal River basin.
- 03/88 to 06/88, Training Consultant, University of Arkansas, Burundi and Rwanda, Developed and conducted a ten week training program in word processing, spreadsheets, data base management, and statistical packages for the 76 researchers, administrators, and support staff of the Agronomic Research Institutes of the two countries.
- 09/86 to 1/88, Research Associate, University of Arkansas, Haiti, Established and administered the spatial-analytic unit of the USAID financed Agricultural Development Support, Phase II (ADS-II) Farming Systems Research project. Specific duties included establishing a spatial data base for the entire country, training Ministry of Agriculture personnel in GIS spatial analysis techniques and satellite image interpretation, collaborating with farming systems research programs, and improving field research techniques for the Ministry field staff.
- 06/83 to 05/86, Graduate Research and Teaching Assistant, Comprehensive Resource Inventory and Analysis System (CRIES) Project, Michigan State University, Dominican Republic, Jamaica, Haiti, Conducted four of Natural Resource Assessment and management projects in agriculture and forestry. Lead the design team for the CRIES GIS software, and wrote the CHOROLINE thematic mapping package, the CRIES digitizing module and several utility modules for the software package. Created several cartographic data bases. Designed and delivered training courses for four groups of technicians from the countries listed above. Taught the lab sections of a graduate course in GIS applications for Natural Resource Management.

- 01/83 to 05/83, Graduate Teaching Assistant, University of Wisconsin, Taught computer image interpretation applications
- 12/75 to 05/78, Peace Corps Volunteer, Western Samoa, Taught high school geography

LANGUAGES:

- English (S-5, R-5, W-5)
- Spanish (S-4, R-4, W-3)
- French (S-3, R-3, W-2)

GEOGRAPHIC EXPERIENCE:

Belize, Bosnia and Herzegovina, Burundi, Cape Verde, Costa Rica, Dominican Republic, Eritrea, Guatemala, Guinea Bissau, Haiti, Jamaica, Mali, Mexico, Morocco, Niger, Rwanda, Senegal, Sudan, The Gambia, and Western Samoa

PROFESSIONAL AFFILIATIONS:

Instrumental in establishing the Eritrea Geo-spatial Data Users Group, Asmara, Eritrea
Grupo Ecologico "El Manglar," A.C., San Blas, Nayarit, Mexico

PUBLICATIONS:

- "*Participatory Land Use Development in the Municipalities of Bosnia and Herzegovina: Guidelines*," FAO, Rome: December, 2004 Available at: <http://dcbrown.org/guidelines.pdf>
- "*Potential Impacts of the Rio Lerma-Lago Chapala-Rio Santiago Watershed on the Presa de Aguamilpa Fishery*," with Castro Félix and Mandujano Herrera, Interim report to Secretaría de Desarrollo Social (SEDESOL), Mexico City, January, 2002 Available at: http://dcbrown.org/cuenca_report.pdf
- "*Diagnóstico Socioambiental de la Zona Estuarina y de Manglar del Municipio de San Blas, Nayarit*" (Socio-environmental Diagnostic of the Estuarine and Mangrove Zone of San Blas Municipality, Nayarit [Spanish Only]), with Castro Félix and Mandujano Herrera, Report to Secretaría de Desarrollo Social (SEDESOL), Mexico City, March, 2001. Available at: [http://dcbrown.org /DiagnosticoManglar.pdf](http://dcbrown.org/DiagnosticoManglar.pdf)
- "*Senegal Agriculture Sector Analysis: Update*", USAID/Senegal, With Buckley, Livingston and Kagbo (July, 1997).
- "*User's Guide to the CRIES Geographical Information System, v.6.0*," Resource Development Occasional Paper RDOP-CRIES-85-1, With Schultink, Henshay, Buckley, and Zusmanis. (Updated to v.6.2 in 1989)
- "*Statistical Atlas of the Targeted Watershed Management Program Zone of Intervention*" , ADS-II Report #58, USAID/ Haiti: January, 1988
- "*Geographically Referenced Crop Trial Records, A Case Study*," With Bertelsen and Chatterjee. Paper Presented at the 1987 Farming System Symposium, U. of Arkansas, Fayetteville, Oct. 1987
- "*Choroline: A Thematic Mapping Package for Dot Matrix Printers*," Proceedings of the Working Group Meeting, CERMA International Conference Series, May, 1985