



A Bibliography for the Northern Madrean Biogeographic Province

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Abstract—An online bibliography was compiled to furnish a literature basis for implementing of land management activities and planning research endeavors in the Madrean Biogeographic Province, which includes the Madrean Archipelago region in the southwestern United States. Citations are listed alphabetically by author in categories appropriate to the subject-matter presented. The large number of citations preclude hard-copy publication. The complete bibliography is available on the USDA Forest Service, Rocky Mountain Research Station's Flagstaff office web site at

www.rmrs.nau.edu/publications/madrean/.

Keywords: Madrean province, climate, conservation, human impacts, hydrology and watershed management, vertebrate and invertebrate ecology, recreation and tourism, riparian ecosystems.

Introduction

The ecology of the Madro-Tertiary of North America is poorly known. Furthermore, scientific literature on ecosystem-based management in this region is largely uncollected and, therefore, unavailable to planners, managers, and research workers in the Southwestern United States and northern

Mexico. A bibliography was compiled to furnish a literature basis for implementing land management activities and planning research endeavors in this region.

The complete bibliography is available on the USDA Forest Service, Rocky Mountain Research Station's Flagstaff office World Wide Web page at www.rmrs.nau.edu/publications/madrean/. It provides a direct connection to the bibliography's main menu. Instructions for accessing the bibliography are contained in this menu.

The geographical scope of this bibliography is the Madrean Biogeographic Province north of 27° latitude including the Madrean Archipelago region within the Southwestern United States (Brown 1982, IUCN Secretariat 1973). Significant literature from similar ecosystems on adjacent areas has been included in this bibliography because of significant ecological overlap.

Organization of Bibliography

Citations are listed alphabetically by author in categories appropriate to the subject-matter presented. Where a citation could have been placed in more than one category, it was placed in the category judged most appropriate by the compilers. Categories in the bibliography are:

- Climate and Weather Patterns
- Conservation and Management
- Economics, Policies, Sociology
- Fire and Fire Effects
- History of Land Use
- Human Impacts
- Hydrology and Watershed Management

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- Invertebrate Ecology
- Range Management and Livestock Grazing
- Plant Ecology
- Recreation and Tourism
- Riparian Ecosystems
- Soils and Geological Features
- Vertebrate Ecology

Data Bases Searched

Computerized and published hardcopy data bases were searched for appropriate literature in compiling this bibliography. Computerized data bases searched were:

- FS INFO
- CAB Abstracts
- AGRICOLA
- BIO SIF Previews
- Life Science Collections
- Southwestern Center for Biological Diversity: Grazing Abstracts
- Riparian Bibliography for New Mexico and the Southwest: Selected Annotations

Published hardcopy data bases searched were:

- Selected References: The Encinal Woodlands (Ffolliott and Gottfried 1992).
- Livestock Management Effects on Wildlife, Fisheries, and Riparian Areas: A Selected Literature Review (Anderson 1993).
- Annotated Bibliography: Ecological Impacts of Livestock Grazing in Western North America (Fleischner 1993).
- Southwestern Research Station Bibliography (1955-1994) (Sherbrooke 1994).
- A Bibliography for the Northern Madrean Biogeographic Province (Ffolliott et al. 1994).
- Southwest Watershed Research Center: A History of Research for Today and Tomorrow (USDA Agricultural Research Service 1994).

- Land Use History of the San Rafael Valley, Arizona (1540-1960) (Hadley and Sheridan 1995).
- Annotated Bibliography of Reports, Publication, and Thesis on the Appleton-Whittell Research Ranch Sanctuary (National Audubon Society 1995).
- Papers presented at the conference on the Biodiversity and Management of the Madrean Archipelago: The Sky Islands of Southwestern United States and Northwestern Mexico, Tucson, Arizona, September 19-23, 1994, are also included in the bibliography, along with the relevant literature cited in these papers (DeBano et al. 1995).
- Annotated bibliography of publications from the Southwest Watershed Research Center (USDA Agricultural Research Service 1995).
- Bibliography for Animas Valley of SW New Mexico (no author).
- A Selected Bibliography: Effects of Fire on the Madrean Province Ecosystems (DeBano and Ffolliott 1996).
- The Santa Rita Experimental Range: History and Annotated bibliography (1903-1988) (Medina 1996).
- The Role and Importance of Disturbances and Climate Change on Plant Communities in the Borderlands of U.S./Mexico: A State-of-the-Knowledge Review with Recommendations for Future Research (McPherson and Weltzin 1996).
- Literature of Wildlife Research in the Madrean Archipelago: 1800s - 1994 (Morrison et al. 1997).

Thesis and dissertations on topics relevant to the Madrean Biogeographic Province, and the literature cited therein, were also reviewed in preparing the bibliography. Other literature, including office reports, field-trip summaries, map references, and unpublished but relevant materials, which are typically found in library special collections, are also included.

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