

WILLIAM F. GREY, D.A.

Areas of Specialization:

Plant taxonomy, plant ecology, marine and estuarine ecology, threatened and endangered (T&E) species, nonvascular plants, tropical flora.

Experience:

Senior Scientist, Breedlove, Dennis & Associates, Inc., Orlando, Florida. 1984 to present.

Vegetation analysis and monitoring of reclamation site on the Peace River.

Ecological monitoring study for Regional Wellfield sites in Hillsborough County, Florida.

Aerial Photography Salt Drift Study for Florida Power Corporation, 1990 - 1993.

International Corporate Park

LeeVista

Huckleberry (Waterford Lakes)

474 Mine Project

Cypress Springs Florida Department of Environmental Regulation Monitoring

Alafaya River Research

Photointerpretation analysis of the Alafia River Basin.

Development of Regional Impacts; project analysis and coordination for environmental questions on vegetation, wetlands, wildlife, T&E species.

Regulatory jurisdiction determinations.

Aerial photography and surveillance for support of environmental analyses.

Manager, Native Plant Department, Lone Star Growers, Inc., San Antonio, Texas. 1984.

Collection of native plant material in various ecosystems of Louisiana, Texas, and northern Mexico; maintenance of taxonomic inventory of living specimens, and design of research projects on germination and vegetative propagation.

Volunteer assistant, fire management and maintenance program for 1800 acre preserve, Texas Nature Conservancy. 1983 to 1984.

Instructor, Department of Biology, San Antonio College. 1983 to 1984.

Consultant, Colorado Department of Natural Resources, Denver, Colorado. 1982.

Field survey for a proposed endangered plant species, *Haplopappus fremontii* ssp. *monocephalus* (A.Nels.) Hall, on BLM coal field lands of eastern Colorado; population mapping, habitat and associate vegetation descriptions. Final report submitted to Bureau of Land Management.

Research Assistant, University of Northern Colorado, Greeley, Colorado, Department of Biology. 1982. Member of Terrestrial Ecosystems Research Team for the Northwest Colorado Wildlife Consortium, Boulder, Colorado.

Major responsibilities included compiling, evaluating, and summarizing information pertinent to ecosystem management for a five-county energy resource region for northwest Colorado; delineation and mapping of major vegetative community types, review of known rare, T&E species, and related ecological parameters affecting wildlife.

Instructor, Department of Biology, University of Northern Colorado. 1981.

Graduate Assistant, Department of Biology, University of Northern Colorado. 1979 to 1980.

Research Associate, Colorado Department of Natural Resources. 1980.

T&E species field project under matching funds agreement with U.S. Fish & Wildlife Service (USFWS), United States Department of Interior Assessment of 25 proposed T&E plants in Colorado; locating and mapping populations, habitat descriptions, reproductive requirements. Status reports presented to USFWS.

Marine Biologist, Florida Department of Natural Resources (FDNR), Marine Research Laboratory, St. Petersburg, Florida. 1973 to 1979.

Anadromous fish research, St. Johns River, Florida; baseline analyses on life history, aquatic biology, and hydrographic data of several river systems in Florida, including St. Johns River Basin.

Red Tide research program, and oceanographic cruises.

Estuarine ecology, seagrasses and mangroves of south Florida; reproductive biology of seagrasses.

Research on coastal strand plant communities, central and north Florida.

Observation and surveillance of succession on spoil islands.

Member of diving safety committee.

Attendance of Annual Wetlands Conferences, 1977 to 1979.

Research Assistant, Department of Biology, University of South Carolina. 1972 to 1973.

United States Army Field Artillery. 1969 to 1971.

Tour of duty in Vietnam, 1970 to 1971; ground support/reconnaissance missions, 1st Cavalry Division, Airmobile. Bronze Star.

BREEDLOVE, DENNIS & ASSOCIATES, INC.

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Education:

- D.A. University of Northern Colorado, Greeley, Colorado. 1982. Botany.
- M.S. University of South Carolina, Columbia, South Carolina, 1973. Biology.
- B.S. Florida State University, Tallahassee, Florida, 1968. Biology.
Threatened and Endangered Plant Workshop, Brigham Young University, 1980.
Photointerpretation Seminar and Workshop, Florida State Topography Office, 1976.

Special Training:

- Occupational Safety and Health Administration Health & Safety Training/Certification, 1992.
- Soil Conservation Service Hydric Soils Workshops, 1990 and 1991.
- Grass Identification Workshop, University of Central Florida, 1993.

Professional Activities:

- Chairman, Seminole County Natural Lands Advisory Committee
- Environmental Science Technology Advisory Committee, Valencia Community College
- Adjunct Faculty, Rollins College

Associations:

Botanical Society of America
Society of Wetland Scientists
Sigma Xi
The Nature Conservancy
Natural Areas Association
Florida Native Plant Society
American Orchid Society

Honors:

Sigma Xi Grant in Aid for Research
Audubon Grant in Aid for Research
Annual Service Award, The Nature Conservancy

Publications:

- Grey, W.F.** 1975. Forest floor invertebrate populations of the Santee-Cooper Swamp. Interim Report of the Taskforce, pp. 92-95. F.P. Nelson, ed. South Carolina Water Resources Commission.
- Grey, W.F.** 1977. Surface capture of *Gymnachirus melas* (Soleidae) from offshore waters of the eastern Gulf of Mexico. Florida Scientist 40(2):197-198.
- Grey, W.F.** and M.D. Moffler. 1978. Flowering of the seagrass *Thalassia testudinum* (Hydrocharitaceae) in the Tampa Bay, Florida area. Aquatic Botany 5:251-259.
- Grey, W.F.** 1982. Population and habitat studies of two endemic plants in the Gunnison River Basin, Colorado. Journal of the Colorado-Wyoming Academy of Sciences 14(1):40.
- Grey, W.F.** 1982. Population and habitat analyses of two endemic Colorado plants under guidelines of the Endangered Species Act of 1973. Published Doctoral Dissertation.
- Grey, W.F.** 1983. Preliminary checklist of the vegetation of Orsinger Park, Bexar County, Texas. Report presented to Bexar County Parks Department.
- Grey, W.F.** 1985. Preliminary analysis of possible hybridization between *Gilia pentstemonoides* Jones and *Gilia pinnatifida* Nuttall. Abstract. 36th Annual AIBS Meeting, August 1985.
- Grey, W.F.** 1988. Riparian Habitat Analysis and Watershed Management Strategies in Central Florida. Proceedings of the National Wetland Symposium - Urban Wetlands, Oakland, CA: 44-55.
- Grey, W.F.** 1990. Ecology of Seepage Wetland Communities in the Alafia River Basin, Florida (Abstract). 11th Annual Meeting Society of Wetland Scientists, Breckonridge, CO.
- Harmon, W.E. and **W.F. Grey**. 1980. Field summaries for Status Reports on five proposed threatened or endangered plants in Colorado: *Arabis gunnisoniana* Rollins, *Astragalus microcymbus* Barneby, *Gilia pentstemonoides* M.E. Jones, *Townsendia rothrockii* A. Gray, *Senecio porteri* Greene. Submitted to U.S. Fish & Wildlife Service.
- Lindauer, I.E., C.E. Olmsted, W.A. Kelley, and **W.F. Grey**. 1982. Terrestrial ecosystems of northwest Colorado: An annotated bibliography and vegetation classification. Final Report: Northwest Colorado Wildlife Consortium.
- Moffler, M.D., M.J. Durako, and **W.F. Grey**. 1981. Observations on the reproductive ecology of *Thalassia testudinum* (Hydrocharitaceae). Aquatic Botany 10:183-187.
- Wadley, M.D., **W.F. Grey**, and J.D. Spencer. 1993. Designing for Ecologic and Economic Benefit: A Win-Win Situation. LaLUP No. 25.
- Williams, J., **W.F. Grey**, E.B. Murphy, and J.J. Crane. 1977. Drift bottle analyses of eastern Gulf of Mexico surface circulation. Memoirs of the Hourglass Cruises, Vol. IV Pt. III. Marine Research Laboratory, FDNR, Contr. No. 300.
- Williams, R.O. and **W.F. Grey**. 1975. Age, growth, and reproduction for anadromous fish in the St. Johns River, Florida. Final Report: National Marine Fisheries Service, U.S. Department of Commerce, PL 89-304, Proj. No. AFCS-5.