



Dr. James W. Webb - Wetlands Ecologist and Consultant

Retired (2005), Presently: independent consultant for wetlands, dune, and wildlife habitat

Associate Professor (1978-2005) at Texas A&M University at Galveston, Marine Biology Department.

Degrees: B.S. Biology, U. South Carolina 1966, M.S.; Wildlife Biology, U. GA 1973; Ph.D; Range Science, Texas A&M 1977.

Professional Interests: Past work at Texas A&M at Galveston and ongoing interests include: Coastal habitat and plant community relationships and values to the environment, animals, society, and estuarine food web;

Construction and re-vegetation techniques for wetlands, dredged material, shorelines, and dunes; Oil spill effects on plants; Wildlife biology; Wetland delineation techniques; GIS applications to coastal habitats; Nursery techniques for dune plants, sea grasses, and marsh plants.

Past Courses Taught: Primary field of teaching and research was wetlands ecology. Wetlands Ecology courses and related courses included: Marb 430-Coastal plant ecology, Marb 431-Wetlands Ecology and delineation, Marb 432-Use of GIS in Coastal Resources; Marb 315-Natural History of Vertebrates, Marb 481 &482 - Writing and Speaking Seminars.

Consulting for Companies and Individuals -Wetlands Delineations, Advice, Mitigation;

Threatened and Endangered Species Evaluations: Benchmark Oil & Gas, Berg Oliver, BHD Land, Bob Pagan Ford, Byron Davis, ChevronTexaco North America, Dallas Operating Corp, Day Star Oil & Gas, Don Steffen, El Paso Energy, Erskine Oil and gas, Frank Al Attar, George Vratiss, Great Texas Crude, Green Real Estate, Helis Oil & Gas, HEMCO, J.Connor Assoc., Jakubik & Associates Surveyors, James Crowder, Jeff Black, Ken Erickson, Magnum Producing, Metro Homes, Mike Mobley, Pirates Galveston, Prida Construction, R. Lynch, Reef Exploration, REMax, Rush Development, Sand n Sea Real Estate, Shiner Moseley, St Mary's Oil & Gas, Tanner Construction Co., Texas City ISD, Texas Gulf Bank, TMR, Troy Heard, Vic Maceo, W. Vaughn, Zenergy,

Selected Publications:

Delaney, T.P., J. W. Webb, T.J. Minello. 2000. Comparison of physical characteristics of created and natural estuarine marshes in Galveston Bay, Texas. *Wetlands Ecology and Management* 20:1-10.

Rosen, D. and J.W. Webb. 2000. Techniques for seagrass growth in a nursery. *Ecological Restoration* 18(3):202-203.

Melvin, S. And J.W. Webb. 1998. Differences in the avian communities of transplanted and natural marshes. *Wetlands* 18(1):59-69.

Miller, D.L., F.E. Smeins, and J.W. Webb. 1998. Response of a Texas *Distichlis spicata* coastal marsh following lesser snow goose herbivory. *Aquatic Botany* 61(3):301-308.

Miller, D.L., F.E. Smeins, and J.W. Webb. 1997. Regeneration of *Scirpus americanus* in a Texas coastal marsh following lesser snow goose herbivory. *Wetlands* 17(1):31-42.

Selected Research Projects:

-Seagrass Nursery for growth of *Halodule wrightii* and *Halophila engelmani*. Funded by U.S. DOI – Fish and Wildlife Service. 2001- 2005.

-Wetland Study Center Development. Funded by Coastal management program 2001-2005;

- Vegetation Analysis for Pledger Vertisol Clay Study, Brazoria County, Texas. 2001- 2003 Funded by EPA.
- Galveston Bay Wetland Mapping. Funded by Galveston Bay Estuary Program of TCEQ. 2003– 2005.
- Dune establishment and monitoring of plant growth on transplanted dunes at Pirates Beach
- Dune transplanting at Kahala Beach
- Effects of cattle grazing on shoreline marshes