

Curriculum Vitae

KERN EWING

POSITION: Professor, College of Forest Resources, Univ. of Washington

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EDUCATION:

B.S. in Civil Engineering, Texas Tech 1962
M.S. in Botany, University of Washington 1978
Ph.D. in Botany, University of Washington 1982

PROFESSIONAL:

John Rieger Award, SER, 2004 (with Warren Gold)
Registered Professional Engineer, Texas.

RESEARCH:

Techniques of ecological restoration in a number of ecosystems, including thornscrub, eelgrass, wetlands, prairie, oak savanna and arid grasslands.
Application of horticulture and ecology to restoration.

ADMINISTRATIVE:

Co-Director, UW Restoration Ecology Network
Faculty Manager, Union Bay Natural Area, UWBG

NON-ACADEMIC EXPERIENCE:

1986-1987 Research ecologist. Wetland project for King County (Seattle)

1982-1983 Plant ecologist, ERTEC Corporation, Seattle, Pipeline impact

1974-1976 Director, Environmental Planning Division, Texas General Land Office.

1973-1974 Chief Planner, Long Range Planning Division, City of Corpus Christi, TX

- 1971-1973 Director, Community Renewal Program, City of Corpus Christi, Texas.
- 1970-1971 Assistant Director, Community Renewal Program, City of El Paso, Texas
- 1966-1968 Design Engineer, Winston and Greenwood Consultants, Mercedes, Texas.
- 1964-1966 Engineer, Kistenmacher Engineering Co., El Paso, Texas.
- 1963-1964 Field Engineer, McClelland Engineers, Houston, Texas.

PUBLICATIONS:

Shebitz, D. and K. Ewing (in press). Preliminary observations of using smoke-water to increase low-elevation beargrass (*Xerophyllum tenax*) germination. *Native Plant Journal*.

Gold, W., K. Ewing, J.Banks, M. Groom, T. Hinckley, D. Secord and D. Shebitz. 2006. Collaborative Ecological Restoration. *Science* 312:1880-1881.

Kim, K.D., K. Ewing and D. E. Giblin. 2006. Controlling *Phalaris arundinacea* (reed canarygrass) with live willow stakes: a density-dependent response. *Ecological Engineering* 27:219-227

Ewing, K., S. Windhager and M. McCaw. 2005. Effects of summer burning and mowing on central Texas juniper-oak savanna communities during drought conditions. *Ecological Restoration* 23(4):255-260.

Carney, L. T., J.R. Waaland, T. Klinger and K. Ewing. 2005. Restoration of the bull kelp *Nereocystis luetkeana* in nearshore rocky habitats. *Marine Ecology Progress Series* 302:49-61.

Cahill, A., L. Chalker-Scott and K. Ewing. 2005. Wood chip mulch improves woody plant survival and establishment at no-maintenance restoration site (Washington). *Ecological Restoration* 23(3):212-213.

Ewing, K. and C. Best. 2004. South Texas Tamaulipan thornscrub restoration experiment measures growth of planted woody vegetation. *Ecological Restoration*. 22 (March).

Ewing, K. 2002. Mounding as a technique for restoration of Puget Sound prairie on a capped landfill. *Restoration Ecology* 10:289-296.

- Ewing, K. 2002. Effects of initial site treatments on early growth and three-year survival of Idaho fescue. *Restoration Ecology* 10:282-288.
- Marzluff, J. and K. Ewing. 2001. Restoration of fragmented landscapes for the conservation of birds: a general framework and specific recommendations for urbanizing landscapes. *Restoration Ecology* 9(3):280-292.
- Ewing, K. 2000. Environmental gradients and vegetation structure on South Texas coastal clay dunes. *Madroño* 46(4):10-20.
- Mazer, G., D. Booth and K. Ewing. 2001. Limitations to vegetation establishment and growth in vegetated stormwater biofilters. *Ecological Engineering* 17(4)..
- Drake, D., K. Ewing and P. Dunn. 1998. Germination of native plant seeds from the south Puget Sound prairies of Washington state. *Restoration and Management Notes*. 16(1):33-40.
- Dunn, P. and K. Ewing (eds.) 1997. *Ecology and Conservation of the South Puget Sound Prairie Landscape*. The Nature Conservancy, Seattle, 289 pp.
- Ewing, K., I. Mendelsohn and K. McKee. 1997. A field comparison of indicators of sub-lethal stress in the salt marsh grass, *Spartina patens*. *Estuaries* 20:48-65.
- Ewing, K. Tolerance of four wetland plant species to flooding and sediment deposition. 1996. *Environmental and Experimental Botany* 36 (2):131-146.
- Ewing, K., K. McKee, I. Mendelsohn and M. Hester. 1995. A comparison of indicators of sub-lethal salinity stress in the salt marsh grass, *Spartina patens* (Ait.) Muhl. *Aquatic Botany* 52:59-74.
- Ewing, K., K.L. McKee, I.A. Mendelsohn and M.W. Hester. 1995. A comparison of indicators of sub-lethal nutrient stress in the salt marsh grass, *Spartina patens*. *Environmental and Experimental Botany* 35:331-343.
- Ewing, K., and J.P. Dobrowolski. 1992. Vegetation dynamics and shrub die-off in salt-desert plant communities. *Journal of Range Management* 45: 194-199.
- Ewing, K., S.R. Pezeshki and W. Stepniewski. 1991. Spectral properties of maize as related to soil oxidation-reduction conditions. *Environmental and Experimental Botany* 31:99-105.