

# Geography



Thanks: <http://www.damons.com/company/history.htm>

## **Environmental Risk Assessment (EL-5)**

**United States Department of Defense (DOD)**

**Deadline:** Continuous

**Amount:** Unknown

**Abstract:** The Environmental Laboratory announces research opportunities involving environmental risk assessment. Current research on the fate and effects of environmental contaminants occurs under the general paradigm of environmental risk assessment. Specific studies fall into one or more of the following areas.

(1) Hazard Identification - This is the process of showing causality i.e., a chemical or complex mixture can cause some adverse effect. If this causality can be demonstrated, the chemical is referred to as a hazard. If there is no causal link, risk need not be quantified. Important target receptors are also identified by this stage (for example, humans, endangered species, ecologically or economically important species). Research is conducted to develop the technology for hazard identification and the establishment of causality.

(2) Effects Assessment - While hazard identification decides if a chemical or complex mixture is toxic, effects assessment determines the magnitude of the toxic response. This is accomplished via experimental research in which surrogate species are exposed to gradients (spatial, concentration, etc.) of the hazard in question, and biological

effects are monitored over time.

Biologically important endpoints measured include survival, growth, reproduction and population-level parameters. These endpoints must be accompanied by technically sound interpretive guidance. Results are expressed in dose-response or exposure-response relationships. Research is conducted to develop the necessary experimental/statistical designs, technically sound tests and appropriate extrapolations. Analysis of the uncertainty associated with these effects assessments is also conducted.

(3) Exposure Assessment - In exposure assessment, the magnitude, frequency, and duration of contaminant exposure relative to the target receptor(s) are determined. This research is model-intensive, with both descriptive and quantitative models being used to evaluate pathways and routes. A pathway exist if the hazard travels between the initial source of contamination and the ultimate biological receptor. A route show the chemical enters the receptor (for example, ingestion, inhalation, dermal absorption, bioaccumulation, trophic transfer). Analysis of the uncertainty associated with these exposure assessments is also conducted.

(4) Risk Characterization, Management, Communication, and Analysis - Outputs from the effects assessment and exposure assessment are joined in risk characterization to yield an estimate of

risk. Research is conducted to determine the best ways to characterize risk both numerically and descriptively. Also, uncertainty analysis is undertaken to identify the qualitatively and quantitative important sources of uncertainty. Techniques employed include error propagation, probability distributions, sensitivity analysis, Monte Carlo simulation, and others.

(5) Technology Transfer - Develop and analyze technology transfer concepts; analyze target audiences for technical information; test innovative methods of transferring dredging research results and technology to supplement conventional technology transfer. Included may be such items as interactive CD-ROM and PC technology applied to training and general information transfer; technology applications of electronic media using the internet; and innovative public information systems/products. The DOER research program audiences include Corps of Engineers, the Department of Defense, Congress, and other federal, state, and local agencies; port and transportation authorities; universities; environmentalists and other public interest groups; and the general public.

The point of contact for the entire Broad Agency Announcement, of which this program is a part, is Sally East, phone: +1 (601) 631-7259.

**Contact:**

Dr. Todd Bridges  
U.S. Army Corps of Engineers  
Vicksburg Consolidated Contracting  
Office (VCCO)  
ATTN: CEMVK-CT-T  
4155 Clay Street  
Vicksburg, MS 39183-3435  
Phone: (601) 634-3626

<http://www.mvk.usace.army.mil/contract/other.asp>

**Geospatial Data Analysis Techniques (EL-10)**

**United States Department of Defense (DOD)**

**Deadline:** Continuous

**Amount:** Unknown

**Abstract:** The Environmental Laboratory announces research opportunities for geospatial data analysis techniques. This research area is concerned with developing methods to include the spatial and temporal properties of environmental factors in all aspects of environmental stewardship. It includes development of geospatial statistical measures and quantitative indices for use in numerical modeling, impact assessment, risk assessment, and management trade-off analysis. It includes techniques for quantitative regional characterization of the natural resource base. The research investigates methods for modeling spatial patterns of environmental conditions over time. The point of contact for the entire Broad Agency Announcement, of which this program is a part, is Sally East, phone: +1 (601) 631-7259.

**Contact:**

Mr. Mark Graves  
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Vicksburg Consolidated Contracting  
Office (VCCO)  
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4155 Clay Street  
Vicksburg, MS 39183-3435  
Phone: (601) 634-2557  
<http://www.mvk.usace.army.mil/contract/other.asp>

**Environmental Conservation Grants Schultz Foundation, Arthur B.**

**Deadline:** Continuous

**Amount:** Unknown

**Abstract:** The Arthur B. Schultz Foundation (ABSF) primarily funds grassroots organizations and initiatives with proactive approaches to environmental conservation. Priority will be given to initiatives focusing on protecting and connecting healthy, diverse ecosystems and open spaces. The ABSF's geographic focus is in the Sierra Nevada, Great Basin, and Northern Rockies eco-regions of the Western United States.

**Contact:**

Arthur B. Schultz Foundation  
620 Table Rock West Road  
Alta, WY 83414  
Phone: (307) 413-2273  
Fax: (307) 353-2273  
Mailto: [info@absfoundation.org](mailto:info@absfoundation.org)  
<http://www.absfoundation.org/program.html>

**Climate Dynamics Program**  
**National Science Foundation (NSF)**

**Deadline:** Continuous

**Amount:** Unknown

**Abstract:** The Climate Dynamics Program supports research on processes that govern climate and the causes of climate variability and change; assembly and analysis of modern climatic data; and development and use of climate models to diagnose and simulate climate and its variations.

An additional contact is Stephen Meacham, associate program director, phone +1 (703) 292-8527, fax +1 (703) 292-9022, [smeacham@nsf.gov](mailto:smeacham@nsf.gov).

**Contact:**

Jay S. Fein, Program Director  
National Science Foundation  
Directorate for Geosciences  
Division of Atmospheric Sciences  
4201 Wilson Boulevard  
Arlington, VA 22230

Phone: (703) 292-8527

Fax: (703) 292-9022

Mailto: [jfein@nsf.gov](mailto:jfein@nsf.gov)

<http://www.geo.nsf.gov/cgi-bin/geo/showprog.pl?id=22&div=atm>

**Wetland Program Development**  
**Grants**

**United States Environmental Protection Agency (EPA)**

**Deadline:** Varies

**Amount:** The award amount is unspecified. Recipients must provide a minimum of 25 percent of each award's total project costs in accordance with the regulation governing cost sharing.

**Abstract:** The goals of the Environmental Protection Agency's (EPA's) wetland program and the Clean Water Action Plan are to increase the quantity and quality of wetlands in the United States by conserving and increasing wetland acreage, and improving wetland health. In pursuing these goals, EPA seeks to build the capacity of all levels of government to develop and implement effective, comprehensive programs for wetland protection and management.

The Wetland Program Development Grants were initiated in fiscal year 1990 to provide an opportunity for states, tribes and local governments (S/T/LGs) to develop projects that build and refine comprehensive wetland programs. EPA encourages S/T/LGs to build effective, comprehensive wetland programs in five areas:

1. Monitoring and assessment
2. Regulation
3. Restoration
4. Water quality
5. Public-private partnerships

**Contact:**

Connie Cahanap

Office of Wetlands, Oceans, and  
Watersheds  
Wetlands Division (MC 4502F)  
U.S. Environmental Protection Agency  
1200 Pennsylvania Avenue, NW  
Washington, DC 20460  
Phone: (202) 566-1382  
Fax: (202) 566-1349  
Mailto: [cahanap.concepcion@epa.gov](mailto:cahanap.concepcion@epa.gov)  
[http://fr.cos.com/cgi-  
bin/getRec?id=20020826a9](http://fr.cos.com/cgi-bin/getRec?id=20020826a9)

**Chesapeake Bay Program -  
Supplemental Request for Initial  
Proposals**

**United States Environmental  
Protection Agency (EPA)**

**Deadline:** TBA

**Amount:** The award amount is  
unspecified. Up to \$2,250,000 may be  
available for Fiscal Year 2003.

**Abstract:** The U.S. Environmental  
Protection Agency, Chesapeake Bay  
Program is issuing a request for  
proposals (RFP) that will further goals of  
the Chesapeake 2000 agreement.

**Contact:**

Robert Shewack  
U. S. Environmental Protection Agency  
Chesapeake Bay Program Office  
410 Severn Avenue  
Suite 109  
Annapolis, MD 21403  
Phone: (410) 267-9856  
Mailto: [shewack.bob@epa.gov](mailto:shewack.bob@epa.gov)  
[http://fr.cos.com/cgi-  
bin/getRec?id=20020909a34](http://fr.cos.com/cgi-bin/getRec?id=20020909a34)

**Population Survey of Golden Eagles in  
the Western United States**

**United States Department of the  
Interior (DOI)**

**Deadline:** TBA

**Amount:** Unknown

**Abstract:** The U.S. Fish and Wildlife  
Service, Division of Migratory Bird

Management, will request proposals  
from interested parties to conduct a  
survey of the golden eagle (*Aquila  
chrysaetos*) in four bird conservation  
regions in the western United States. The  
RFP will have one objective: to estimate  
adult, subadult, and juvenile golden  
eagle population sizes in the study area  
using an approach that, if replicated  
annually, would be suitable to detect an  
annual rate of population change.

**Contact:**

Brenda Burke, Contracting Officer  
Contracting and Facilities Management  
R9, U.S. Fish and Wildlife Service  
4401 North Fairfax Drive, Suite 212  
Arlington, VA 22203  
Phone: (703) 358-2237  
Mailto: [brenda\\_burke@fws.gov](mailto:brenda_burke@fws.gov)  
[http://fedbizopps.cos.com/cgi-  
bin/getRec?id=20030430a21](http://fedbizopps.cos.com/cgi-bin/getRec?id=20030430a21)

**Environment Program  
Homeland Foundation**

**Deadline:** June 01, 2003

**Amount:** Unknown

**Abstract:** The Environment Program  
concentrates on activities that promote  
the conservation of biological diversity  
and advance sustainable ecosystem  
management. Primary emphasis is on  
marine resources conservation with a  
geographic focus on the western United  
States; Baja, California; the Caribbean  
region; and the western Pacific. The  
Environment Program also supports the  
search for solutions to health threats  
caused by toxic chemicals.

**Contact:**

Glenda S. Menges, Administrator and  
Program Director  
Homeland Foundation  
412 North Coast Highway, PMB 359  
Laguna Beach, CA 92651  
Phone: (949) 494-0365  
Fax: (949) 494-8392

Mailto: [Gsmenges@aol.com](mailto:Gsmenges@aol.com)  
<http://fundingopps.cos.com/cgi-bin/getRec?id=29975>

**Water and Energy: Atmosphere, Vegetative, and Earth Interactions (WEAVE)**

**National Science Foundation (NSF)**

**Deadline:** June 01, 2003

**Amount:** Unknown

**Abstract:** The Water and Energy: Atmospheric, Vegetative, and Earth Interactions (WEAVE) initiative coordinates complementary research in the Directorate for Geosciences. The WEAVE program seeks to improve understanding of the Earth's hydrologic and energy cycles to support better assessments of the potential impact of human activities on those cycles and on the climate system, in general. Regional and global climate, as well as flora and fauna, are the products of hydrologic and energy cycles. Water is the primary vehicle of energy and nutrient transport linking the biological, earth, and atmospheric components of the climate system. Vegetation is a major conduit of water and energy between hydrologic and atmospheric systems, and a key agent in soil formation. Understanding the complex interactions and feedbacks among these components in the overall system is the primary objective of WEAVE.

**Contact:**

L. Douglas James, Program Director  
National Science Foundation  
Directorate for Geosciences  
Division of Earth Sciences  
4201 Wilson Boulevard  
Arlington, VA 22230  
Phone: (703) 292-8549  
Fax: (703) 292-9025  
Mailto: [ldjames@nsf.gov](mailto:ldjames@nsf.gov)

[http://www.nsf.gov/geo/egch/gc\\_weave.html](http://www.nsf.gov/geo/egch/gc_weave.html)

**Greenway and Trails Grant Program**  
**Delaware Division of Parks and Recreation**

**Deadline:** June 01, 2003

**Amount:** Projects sponsored by state agencies may receive up to 100 percent funding when no other sources of matching funds or in-kind contributions are available, while park districts are eligible to receive up to 75 percent funding. All other applicants are eligible for funding on a matching 50 percent basis. On average \$345,000 will be available annually for matching greenway grants to communities.

**Abstract:** The Delaware Land and Water Conservation Trust Fund was established as an investment of state money, not as an expenditure in the provision of land and water for outdoor recreation and conservation. Fifty percent of the annually earned Trust Fund interest will now be available for grants to support new and existing greenway projects. The remaining 50 percent will continue to be used to fund traditional park acquisition and development projects.

Funds will be distributed for greenway acquisition, development, and planning activities including: acquisition of property for greenway related recreational activities; open space and corridor preservation; construction of new trails; trail expansion; development of trailheads and associated facilities and infrastructure; road crossing improvements; bridges; facilities for persons with disabilities; development and installation of trail markers and directional signs; as well as greenway planning activities.

An e-mail for more information on this program is [atownshend@state.de.us](mailto:atownshend@state.de.us).

**Contact:**

Kyle Gulbranson, Grants and  
Community Assistance Administrator  
Delaware Division of Parks and  
Recreation  
89 Kings Highway  
Dover, DE 19901  
Mailto: [kyle.gulbranson@state.de.us](mailto:kyle.gulbranson@state.de.us)  
[http://www.destateparks.com/greenway/  
grants.htm](http://www.destateparks.com/greenway/grants.htm)

**Wildlife Links****National Fish and Wildlife  
Foundation (NFWF)****Deadline:** June 02, 2003**Amount:** \$30,000

**Abstract:** The National Fish and  
Wildlife Foundation (NFWF), through a  
cooperative agreement with the United  
States Golf Association, requests  
preproposals for projects that address  
wildlife conservation needs on golf  
courses. The overall goal of the program  
is to protect and enhance the wildlife,  
fish, and plant resources found on golf  
courses.

Areas of interest include the following:

1. Analysis of management and design  
techniques for increasing biodiversity on  
golf courses
2. Research to determine if certain  
habitat characteristics result in wildlife  
corridors or barriers on golf courses
3. Preparation of management guidelines  
for specific species or species suites
4. Programs to monitor the success of  
wildlife habitat conservation programs  
on golf courses
5. Effects of golfer and maintenance  
activities on wildlife

All projects must address issues of direct  
management concern to the golf  
industry, and should provide  
management recommendations  
applicable on at least a regional basis. In  
addition, proposals should indicate that

golf courses have been contacted and  
will be formal project partners.

**Contact:**

Tracy Andres  
National Fish and Wildlife Foundation  
1120 Connecticut Avenue, NW, Suite  
900  
Washington, DC 20036  
Phone: (202) 857-0166  
Mailto: [tracy.andres@nfwf.org](mailto:tracy.andres@nfwf.org)  
[http://www.nfwf.org/programs/nfwfusga  
\\_rfp.htm](http://www.nfwf.org/programs/nfwfusga_rfp.htm)

**Southern Rivers Conservation****National Fish and Wildlife  
Foundation (NFWF)****Deadline:** July 15, 2003**Amount:** Unknown

**Abstract:** The National Fish and  
Wildlife Federation (NFWF) has  
announced a Unified Request for  
Proposals (RFP) for fish, wildlife, and  
plant conservation projects to be funded  
under partnership programs between the  
NFWF and several federal agencies.

The Southern Rivers Conservation  
initiative supports on-the-ground  
projects to restore and enhance riparian  
and riverine habitat in 12 southeastern  
states: Alabama, Arkansas, Florida,  
Georgia, Kentucky, Louisiana,  
Mississippi, North Carolina, South  
Carolina, Tennessee, Virginia, and West  
Virginia. Funding is provided for  
projects falling into one of the following  
focus areas: stream restoration,  
freshwater mussel conservation, and  
conservation of southeastern imperiled  
fishes.

**Contact:**

Tracy Andres  
National Fish and Wildlife Foundation  
1120 Connecticut Avenue, Suite 900  
Washington, DC 20036  
Mailto: [tracy.andres@nfwf.org](mailto:tracy.andres@nfwf.org)

<http://www.nfwf.org/programs/ROSR.htm>

### **Grants**

#### **Laird Norton Endowment Foundation**

**Deadline:** September 12, 2003

**Amount:** \$8,000-\$20,000

**Abstract:** The mission of the Laird Norton Endowment Foundation is to fund distinctive programs in conservation and forestry education. Through the year 2004 the granting focus is on sustainable forestry. The foundation defines sustainable forestry as the practice of forestry that restores, enhances, and then sustains a full range of forest values, both ecological and economic. Other common names for this practice are ecoforestry, low-impact forestry, new forestry, and forest stewardship.

The foundation will accept letters of inquiry for projects in the following areas:

1. Development and implementation of independent third-party sustainable forestry certification, audit, and chain-of-custody standards
2. Promotion and training for the above mentioned priority
3. Marketing of products from certified forests
4. Forestland owner education and assistance programs related to sustainable forestry
5. Development and implementation of collaborative stewardship programs in forest-dependent communities
6. Restoration forestry, including research, demonstration, and implementation
7. K-12 sustainable forestry education programs
8. Sustainable-forestry-related internships for college-level students
9. Incorporation of sustainable-forestry

concepts and full-cost accounting systems into professional education standards

10. Distinguished Visitor Programs to bring leaders in sustainable forestry to schools of forestry and environmental studies at universities and colleges

11. Ecosystem-based approaches to forestry in general

#### **Contact:**

Patrick de Freitas, President

Laird Norton Endowment Foundation

801 Second Avenue, #1300

Seattle, WA 98104

Mailto: [inquiry@lairdnorton.org](mailto:inquiry@lairdnorton.org)

<http://www.lairdnorton.org/#Guidelines>

### **Pinellas County Environmental Foundation Grants**

#### **National Fish and Wildlife Foundation (NFWF)**

**Deadline:** October 15, 2003

**Amount:** Approximately \$500,000 is available to be granted. A minimum 1:1 match is required, but more favorable matching ratios are encouraged.

**Abstract:** The Pinellas County Environmental Foundation (PCEF) is a partnership between Pinellas County and the National Fish and Wildlife Foundation (NFWF). These two groups share the common goals of actively pursuing the protection, restoration, and enhancement of fish and wildlife habitat; developing creative and sustainable solutions to natural resource challenges; educating the public and stakeholders; and forging partnerships to implement long-term solutions.

All proposals should address conservation projects related to one of the three following areas:

1. Management of exotic plants and wildlife
2. Conservation and restoration of coastal habitats

### 3. Conservation and restoration of upland and freshwater habitats

All projects must address issues within the Tampa Bay watershed, as defined by the Tampa Bay Estuary Program, and provide demonstrable benefits to Pinellas County and its waters and Tampa Bay.

**Contact:**

Pinellas County Environmental Foundation  
c/o National Fish and Wildlife Foundation  
1120 Connecticut Avenue, NW, Suite 900  
Washington, DC 20036  
Phone: (202) 857-0166  
Fax: (202) 857-0162  
Mailto: [pcef@nfwf.org](mailto:pcef@nfwf.org)  
[http://www.nfwf.org/programs/grant\\_application.htm](http://www.nfwf.org/programs/grant_application.htm)

### **Geospace Environment Modeling (GEM)**

**National Science Foundation (NSF)**

**Deadline:** October 15, 2003

**Amount:** \$750,000

**Abstract:** Geospace Environment Modeling (GEM) is a broad-based, community-initiated research program on the physics of the Earth's magnetosphere and the coupling of the magnetosphere to the atmosphere and to the solar wind. The purpose of the GEM program is to support basic research into the dynamical and structural properties of geospace, leading to the construction of a global Geospace General Circulation Model (GGCM) with predictive capability. This GGCM model will be modularized and will complement parallel developments of magnetohydrodynamic models. The strategy for achieving GEM goals is to undertake a series of campaigns, in both

theory and observational modes, each focusing on particular aspects of the geospace environment.

**Contact:**

Kile Baker, Program Director,  
Magnetospheric Physics  
National Science Foundation  
Directorate for Geosciences  
Division of Atmospheric Sciences  
4201 Wilson Boulevard, Room 775  
Arlington, VA 22230  
Phone: (703) 292-8519  
Mailto: [kbaker@nsf.gov](mailto:kbaker@nsf.gov)  
<http://www.nsf.gov/cgi-bin/getpub?nsf02122>

### **Walter B. Jones Memorial Awards United States Department of Commerce (DOC)**

**Deadline:** January 03, 2004

**Amount:** Unknown

**Abstract:** Walter B. Jones awards are presented in three categories annually: Coastal Steward of the Year - honors an individual who has exemplified strong, sustained leadership in finding a balance between the human use of the coast and ocean and the needs of that environment. Excellence in Coastal and Marine Graduate Study - recognizes graduate students whose academic study promises to contribute materially to the development of new or improved approaches to coastal or ocean management. Up to 10 awards will be given in 2003.

Excellence in Local Government - given to local governments that have inspired positive change in the field of coastal management by developing or implementing principles embodied by the CZMA. Up to five awards will be given in 2003.

**Contact:**

Mailto: [jonesawards.2003@noaa.gov](mailto:jonesawards.2003@noaa.gov)

[http://www.nos.noaa.gov/jones\\_award\\_announcement.html#wbj](http://www.nos.noaa.gov/jones_award_announcement.html#wbj)

**Monica Cole Research Grant**

**Royal Geographical Society (RGS)**

**Deadline:** January 25, 2004

**Amount:** The grant provides £1,000.

**Abstract:** This grant funds original field research carried out overseas by a female physical geographer.

**Contact:**

Grants Manager

Royal Geographical Society

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London SW7 2AR

United Kingdom

Phone: 44 (020) 7591-3073

Fax: 44 (020) 7591-3031

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<http://www.rgs.org/templ.php?page=9granmon>