

Natural Resources

Guidelines

Topic	Description	Free Service Telephonic or Field	Installation Funded
Ag/Grazing and Forestry Reimbursable Program Policy Memorandum	This program provides guidance on how to conduct agriculture and grazing leases and the sale of timber on installations. These programs can bring money to the installation to fund Conservation programs. For more information and a copy of the memorandum call (410) 436-3206 (DSN 584).	T/P	
AR 200-3, Natural Resources — Land, Forest and Wildlife Management	The Army Regulation that explains Army policy for managing natural resources to meet legal compliance requirements to support the military mission. For an electronic copy http://aec.army.mil/usaec/conservation/	T/P	
AR 350-4 Integrated Training Area Management	This AR supports the installation training area management program to conserve Army lands for military readiness training. For more information call at (410) 436-3206 (DSN 584).	T/P	
Chesapeake Bay Agreements	USAEC, as the lead Army agency in the Chesapeake Bay Initiative, provides Q&A to Army installations involved in the program. See http://www.hqda.army.mil/acsimweb/env/cbi/publications.html .	T/F/P	
Community Watershed Approach Handbook	In response to the EPA Clean Water Action Plan, USAEC is developing a handbook that provides watershed management guidelines primarily for Army installations in the Chesapeake Watershed, however the concepts and information are transferable to installations nationwide. For more information contact USAEC at (410) 436-3206 (DSN 584).	T/P	
Emergency Section 7 Consultation Under The ESA Assistance	ODEP has released a policy and guidance memorandum to assist installations. For more information call (410) 436-3206 (DSN 584).	T/P	
Guidance on Hunting and Fishing	The Army Policy Guidance for Fish and Wildlife Conservation Fund, this provides guidance to installations on their hunting, fishing, or trapping activities. For more information and a copy of the memorandum call (410) 436-3206 (DSN 584).	T/P	
INRMP Guidance	Provide technical guidance for the development of the Integrated Natural Resource Management Plan (INRMP). For more information see http://aec.army.mil/usaec/conservation/natural00.html or call (410) 436-3206 (DSN 584).	T/P	
Installations Environmental Program Management Guide	This document, formerly known as the "Commander's Guide to Environmental Management," is intended as a "primer" on the environment, for Garrison Commanders and their staff. It can be found at http://aec.army.mil/usaec/publications/iepmguide02.pdf	T/P	
MBTA Policy Memo	ODEP has released a policy and guidance memorandum to assist installations with this statute. For a copy of the memorandum call (410) 436-3206 (DSN 584).	T/P	
Private Land Initiative (PLI)	USAEC manages a demonstration project at Ft. Bragg for bioregional planning to provide military mission support. This Army Conservation Partnership consists of the North Carolina Sandhills Conservation Partnership, a Cooperative Agreement (CA) between the Army and The Nature Conservancy (TNC) and a Bioregional Conservation Strategy. The CA enables the Army and TNC to share the cost of purchase of land or	T/F/P	

	<p>interest in land by TNC. Purchases are made from willing sellers only and made for the dual purposes of supporting the military mission and meeting mutual conservation objectives. Lessons learned and technical assistance are provided to Army installations upon request. For more information call (410) 436-3206 (DSN 584).</p> <ul style="list-style-type: none"> • USAEC personnel will provide a briefing on-site to installation staff regarding lessons learned at Ft. Bragg (PLI) and/or assess an installation's potential to benefit from an Army Conservation Partnership modeled after the Ft. Bragg PLI. USAEC can also assist in initiating contact with potential partners and help in drafting various documents such as cooperative agreements. USAEC can provide current information availability of non-Army funding resources. • USAEC has developed a "starter kit" to assist installations in initiating an Army Conservation Partnership. It includes copies of cooperative agreements, options, leases, technical papers etc. It is available to installations upon request. 		
Planning Level Survey (PLS)	ODEP and USAEC have released a policy and guidance memorandum to assist installations by providing generic scopes of work and technical support to installations. Examples are listed and can be found in the U.S. Army EPR Project Catalog 2002. An electronic version can be ordered by calling (800) 872-3845. For more information call (410) 436-3206 (DSN 584).	T	X
Fauna	These surveys, at a minimum, describe and map the distribution and extent of sensitive species (for example, locally rare and keystone). Guidelines have not been developed. For more information call (410) 436-3206 (DSN 584).	T	X
Flora	These surveys identify vascular plants and produce a list of plant species with verified nomenclature, classification and annotation compatible with the U.S. Department of Agriculture, Natural Resources Conservation Service's Plant list of Accepted Nomenclature, Taxonomy, and Symbols (PLANTS). Guidelines have not been developed. For more information call (410) 436-3206 (DSN 584).	T	X
Soils	These surveys classify, categorize, describe, and map soils by map unit, and meet current National Cooperative Soil Survey standards and procedures. To aid in the development of scope of work and memorandum of understanding to obtain current soils planning level survey for INRMP, ITAM, and other needs. The cost per acre can range from \$1 to \$5. Call (410) 436-3206(DSN 584) and ask for the NRCS liaison or reference the U.S. Army EPR Project Catalog 2002 (see the Foundation section). For more information call (410) 436-3206 (DSN 584).	T/P	X
Surface Waters	These surveys describe and map the distribution and extent of surface waters, consistent with the USGS standard. Guidelines have not been developed. For more information call (410) 436-3206 (DSN 584).	T	X
Threatened & Endangered Species	These surveys, at a minimum, produce a map that shows the kinds and known distribution of Federally endangered, threatened, proposed, and candidate species occurring on the installation. For more information call (410) 436-3206 (DSN 584).	T	X

Topography	These surveys identify and map elevation, elevation contours, and associated data consistent with USGS standards and topographic map products. Guidelines have not been developed. For more information call (410) 436-3206 (DSN 584).	T	X
Vegetative Communities	Survey plant communities to manage long-term mission support, survey the location of flora, and identify Threatened & Endangered species. Guidelines have not been developed. For more information call (410) 436-3206 (DSN 584).	T	X
Wetlands	Wetland inventories are necessary components of the INRMPs, and therefore a requirement. Preparation or update of wetlands planning level survey must be programmed in the EPR. Call (410) 436-3206 and ask for the USAEC/USFWS Liaison or reference the U.S. Army EPR Project Catalog 2002 (see the Foundation section). For more information call (410) 436-3206 (DSN 584).	T/P	X
Urban Forestry Manual	This manual is designed to focus on the existing and future tree resources in the developed areas on installations. Trees situated in urbanized areas require management techniques that differ from those trees situated in other, less developed areas. For more information call (410) 436-3206 (DSN 584) or obtain an electronic copy of the manual at http://aec.army.mil/usaec/conservation/natural01.html .	T/P	X
Wildland Fire Policy Guidance	Provides policy guidance on wildland firefighting training qualifications and standards; organizational guidelines; roles of civilian and military personnel in wildland fire management; training and mobilization of wildland fire management personnel and equipment; and memoranda of understanding with the Departments of Agriculture and the Interior. For more information call (410) 436-3206 (DSN 584) and ask for the USAEC Forester or USAEC/USFS Liaison or visit the following website https://www.denix.osd.mil/denix/Public/Library/OSH-Fire/fire.html .	T/P	X

Personnel Support

Topic	Description	Free Service Telephonic or Field	Installation Funded
Cooperative Agreement Programs	This program provides installations another alternative to contracts. A vendor cooperates with the Army installation in developing the product, and does not charge a profit. A list of available vendors can be provided, and vendors can be added. For more information visit the following website http://www.usamraa.army.mil/ , or call B.C. Baker at (301) 619-2035 or Michael Younkins at (301) 619-2503.	T/F	X
ORISE	A program that provides installations a source new college graduates, and students to work as interns on installations. These participants can work in any capacity requiring a background in the sciences and engineering. Full and part-time. For information call the ORISE Program Coordinator at (410) 436-7257 (DSN 584) or visit http://www.orau.gov/orise.htm	T/F	X
Student Cooperative Agreements (SCA)	SCA is a nonprofit organization that has been recruiting and fielding volunteers to assist resource managers. This program is on a cost-sharing basis that provides personnel to conduct such tasks as “pick and shovel” work and tree planting. Installations reimburse SCA for a share of expenses incurred in recruiting, fielding and supporting each volunteer. For more information call Wally Elton or Marsha Towns at (603) 543-1700 or visit http://www.sca-inc.org/ .	T/F	X

Federal Liaisons	The USAEC has a number of liaisons from other federal agencies that provide telephonic and possible field support to installations but more importantly they can liaison between the Army installation and the local federal agency office to better serve the installation. The represented agencies are Bureau of Land Management (BLM), Cooperative State Research, Education, and Extension Service (CSREES), Environmental Protection Agency (EPA), Natural Resource Conservation Service (NRCS), US Fish and Wildlife Service (USFWS), US Forest Service (USFS), and the US Geological Survey (USGS). For more services see the Federal Agency Liaison Support section under Technical Support or call (410) 436-3206 (DSN 584).	T/F	
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Training

Topic	Description	Free Service Telephonic or Field	Installation Funded
Advanced Interagency Consultation for Endangered Species *	Participants will discuss aspects of interagency consultation under Section 7 of the ESA with a focus on how to prepare logical and well reasoned biological opinions and incidental take statements. Lecture and discussions emphasize consistency and adherence to statute, regulation, policy, and case law regarding the Services' implementation of the act. For more information visit https://otis.fws.gov/start.cfm , click "guest", then type the course name in the search box. For more information call (410) 436-3206 (DSN 584).	T	X
An Ecosystem Approach to Conservation *	This course presents an integrated ecosystem approach to conservation. Guiding principles of conservation biology, particularly landscape ecology and conservation planning, are discussed and developed into an implementation framework. The course integrates ecological theory and application, theory and practice of public involvement, and adaptive management. Participants learn strategies for implementing ecological principles through comprehensive class exercises using a hypothetical but realistic ecosystem conservation scenario. For more information visit https://otis.fws.gov/start.cfm , click on "guest", and type the course name in the search box. For more information call (410) 436-3206 (DSN 584).	T	X
Basic Environmental Staff Course	This is an entry-level course for environmental professionals. The curriculum includes the basic concepts of ecology, environmental relationships, and pollution; the Army environmental compliance program; environmental laws, regulations, and policies; Army installation environmental management considerations; required reports and administrative procedures; and the preparation and evaluation of environmental documents. For more information call (804) 765-4624 (DSN 539), mailto:besc@lee.army.mil , or visit http://www.almc.army.mil/EMD/page5.html .		X
Basic Natural Resources Manager #	This web-based course is intended for DoD and Coast Guard Natural Resource laws and regulations. The target audience is Natural and Resource managers. For more information call Betty Batts at (256) 895-7407 or e-mailing her at Betty.J.Batts@hnd01.usace.army.mil . (No Tuition)		X
Conserving Biodiversity #	This web-based course discusses Biodiversity as a management principal to be applied on military lands. The target audience is installation command staff, environmental staff, civil works, and collateral duty personnel. For more information call Betty Batts at (256) 895-7407 or e-mailing her at Betty.J.Batts@hnd01.usace.army.mil . (No Tuition)		X
Conservation Biology Introduction #	This 4.5-day course offers an overview including discussion of fundamental biological and ecological principles. Instruction covers biological diversity, species concepts, uncertainty and variation in natural systems. Other topics		

	include population viability analysis, metapopulations, island biogeography theory, habitat fragmentation effects and reserve design principles. For more information visit https://otis.fws.gov/start.cfm , click on “guest”, and type the course name in the search box or call (304) 876-7220.		X
Ecological Approaches to Land Management #	This 5-day resident course presents an integrated ecosystem approach to conservation (integrating ecological theory and application, practice of public involvement and adaptive management). The target audience is biologists, land managers, planners, and policy makers. For more information visit https://otis.fws.gov/start.cfm , click on “guest”, and type the course name in the search box or call (304) 876-7220.		X
Ecosystem Approach to Conservation #	This 5-day resident class presents an integrated ecosystem approach to conservation (integrating ecological theory and application, practice of public involvement and adaptive management). The target audience is biologists, land managers, planners, and policy makers. For more information visit https://otis.fws.gov/start.cfm , click on “guest”, and type the course name in the search box or call (304) 876-7220.		X
Environmental Site Assessment #	This 5-day resident course introduces students to concepts and terminology, environmental laws, national guidelines of environmental site assessment. The target audience is hazard materials coordinators, natural resource managers, real estate specialists, and other involved in land acquisition and disposals. For more information visit http://oslearn.ntc.blm.gov/ or call (602) 906-5552.		X
Forest Fire - Wildland Fire Training*	A list of wildland fire training courses adhering to National Wildfire Coordinating Group (NWCG) standards can be found on the Interagency Wildland Fire Training site: http://www.nationalfiretraining.net or at http://www.fs.fed.us/fire/fire_new/training/ . Arrangements can be made to teach specific courses on your installation. Call the USAEC/USFS Liaison for more information at (410) 436-3206 (DSN 584).	T	X
GIS Overview for Natural Resource #	This 1.5-day resident course provides a geographic information system (GIS) as a powerful tool that can assist conservation professionals in natural resource-related projects. This course gives participants an introduction to GIS technology and terminology and teaches them how to use an existing GIS. For more information visit https://otis.fws.gov/start.cfm , click on “guest”, and type the course name in the search box or call (304) 876-7220.		X
Interagency Consultation for Endangered Species #	This resident 5-day course provides basic information on interagency consultation under Section 7 of the ESA. Case studies and interactive exercises are conducted. The target audience is Natural Resource Managers responsible for project reviews involving impacts to listed, proposed or candidate species For more information visit http://training.fws.gov or call (304) 876-7220.		X
Invasive Species #	This web-based course defines DoD’s invasive species program by identifying hazards and impacts posed by invasive species, identify species and management measures. The target audience is installation command staff, natural resource managers, civil works, law enforcement and collateral duty personnel. For more information call Betty Batts at (256) 895-7407 or e-mailing her at Betty.J.Batts@hnd01.usace.army.mil . (No Tuition)		X
Law Enforcement for Conservation #	This web-based course covers laws and regulations and responsibilities for protection of natural and cultural resources on military lands. The target audience is command staff, law enforcement, civil works, natural and cultural resource managers, range personnel, real estate managers. For more information call (805) 982-2895 (DSN 551) or visit https://www.cecos.navy.mil/schedule.asp scroll down to find course title (No tuition).		X
Marine Mammals #	This interactive web-based and CD-ROM course covers laws and regulations that impact marine mammals, identify species, roles and responsibilities in		

	program management. This target audience is DoD and Coast Guard Natural Resource Managers and staff, Collateral-duty personnel who work with or around Marine Mammals. For more information call Betty Batts at (256) 895-7407 or e-mailing her at Betty.J.Batts@hnd01.usace.army.mil . (No Tuition)		X
Natural Resources Compliance #	This is a 4-day resident course for DoD personal from major commands, headquarters and regional offices, as well as installation level. It provides a basic overview of federal environmental laws and regulations, introduces the contact agencies to assist with interagency consultation, and describes suitable protection for threatened natural resources. For more information call (805) 982-2895 (DSN 551) or visit https://www.cecos.navy.mil/schedule.asp scroll down to find course title (No tuition).		X
Natural Resource Damage Assessment & Restoration (NRDAR) *	This 4-day resident course provides the student with tools and practical examples to conduct natural resource damage assessment and restoration activities OPA, CERCLA relevant to NRDAR. The target audience is Natural Resource Trustee Agencies involved in NRDAR. For more information visit https://otis.fws.gov/start.cfm , click on “guest”, and type the course name in the search box or call (304) 876-7220.		X
Natural Resource Management Plan #	This web-based course covers the purpose for and development of INRMP. The target audience is natural resource managers, civil works, and command staff, range managers. For more information call Betty Batts at (256) 895-7407 or e-mailing her at Betty.J.Batts@hnd01.usace.army.mil . (No Tuition)		X
Non-game Bird Survey & Monitoring *	This 4.5-day resident course introduces participants to the inventory and monitoring techniques for assessing populations of various non-game bird groups, including songbirds, colonial water birds, and raptors. These techniques can be used to help biologists establish regional monitoring programs. For more information visit https://otis.fws.gov/start.cfm , click on “guest”, and type the course name in the search box or call (304) 876-7220.		X
Non-game Wildlife Survey Techniques *	This 4.5-day resident course covers an introduction to inventory and monitoring techniques for assessing populations of various non-game bird groups. The target audience is biologists and other natural resource professionals conducting non-game bird surveys. For more information visit https://otis.fws.gov/start.cfm , click on “guest”, and type the course name in the search box or call (304) 876-7220.		X
Prescribed Fire Training	The National Interagency Prescribed Fire Training Center (PFTC) provides individuals an opportunity to increase their prescribed fire practitioner skills and to participate in large landscape prescribed burns. For more information on the Center and other prescribed burn training opportunities, visit http://www.fs.fed.us/fire/fire_new/training/fireuse_training.html or call the USAEC/USFS Liaison for more information (410) 436-3206 (DSN 584).	T	X
Shorebird Ecology & Management *	This 3.5-day resident course illustrates how to integrate shore bird habitat considerations into wetland management planning. The course includes shorebird ecology, identification, survey techniques, and approaches for managing impoundments. The target audience is biologists and other natural resource professionals involved in shorebird inventories or management activities. For more information visit https://otis.fws.gov/start.cfm , click on “guest”, and type the course name in the search box or call (304) 876-7220.		X
Specific Principles & Techniques for Endangered Species *	This course helps participants apply the principles and techniques of conservation biology to the implementation of the Endangered Species Act. Lecture sessions are reinforced using computer modeling, as well as case illustrations and critiques. For more information visit https://otis.fws.gov/start.cfm , click on “guest”, and type the course name in the search box or call (304) 876-7220.		X
Stream –Bank Erosion & Protection *	This 5-day course provides participants a review river hydrology, mechanics, and geomorphology and problems caused by stream bank erosion and streambed degradation. Experienced instructors present lectures and lead		

	discussions and field exercises. The target audience is engineers, planners, land managers, and natural resource managers. For more information see the following website http://pdsc.usace.army.mil/CourseListDetails1.asp?Cntrl_Num=285		X
Stream Restoration Techniques	This course is oriented toward the field biologist and technician. It is a hands-on approach to physical stream habitat restoration techniques. Students will learn about stream channel and stream bank stabilization techniques. For more information visit the following website, click on as a guest, and type in the course name in the search box https://otis.fws.gov/start.cfm .		X
Threatened & Endangered Species Management & Consultation *	This 4-day resident course provides an overview of the laws, policies, and types of interagency cooperation required to comply with the ESA. The target audience is wildlife and fisheries biologists, botanists, and managers involved with T&E species. For more information visit http://oslearn.ntc.blm.gov/ or call (602) 906-5552.		X
Threatened & Endangered Species on Military Lands #	This web-based course discusses the requirements of the ESA, compliance and management principles. The target audience is the command staff, natural and cultural resource managers, civil works, and range personnel, law enforcement personnel. For more information call Betty Batts at (256) 895-7407 or e-mailing her at Betty.J.Batts@hnd01.usace.army.mil . (No Tuition)		X
Watershed Academy Courses	The EPA Watershed Academy Provides face-to-face and web-based training, facilitation, and training materials on general watershed management and a variety of specific watershed topics. For more information visit http://www.epa.gov/owow/watershed/wacademy/its.html . For a hard copy of the catalogue, call (800) 490-9198, citing document no EPA 841-B-01-002. For assistance, call the EPA/USAEC liaison at (410) 436-3206 (DSN 584).	T	X
Wetlands on Military Lands #	This video-based course defines wetlands, overview of laws and regulations that effect the management of wetlands on military lands. The target audience is DoD and Coast Guard natural resource managers, civil work and law enforcement personnel. For more information call Betty Batts at (256) 895-7407 or e-mailing her at Betty.J.Batts@hnd01.usace.army.mil . (No Tuition)		X
UXO Basic Training Course	This is a two-day, entry-level course that addresses key environmental issues associated with ordnance and explosives cleanup, current technology, and interactions with stakeholders. For information visit http://www.itrcweb.org/ .		X

Funding Assistance

Topic	Description	Free Service Telephonic or Field	Installation Funded
Conservation Assistance Program (CAP)	CAP provides rapid “hands on” technical assistance and technology application for field problems associated with natural resources on DA lands. It is limited to natural resource issues where timely assistance is required but not readily programmable by the installation. Areas covered include but are not limited to T&E species; flora & fauna survey plans, erosion & dust control & GIS data analysis. CAP directs technical assistance has some time and monetary limitations (up to \$7500), for more information send mailto:EnvironmentalHotline@aec.apgea.army.mil or call (410) 436-3206 (DSN 584).	T	
Forest Pest Suppression Funding (Insects & Diseases Only)	Funds are available from the USFS to support projects for suppression of forest pests on DoD lands. The legal definition of a pest is “an insect or disease”. Installations develop proposed projects. Proposed projects are forwarded from USAEC through the Armed Forces Pest Management Board to the Forest Service for approval of funding. For more information: contact the USAEC forester, the USAEC/Forest Service Liaison at (410)	T	

	436-3206 (DSN 584), or your local Forest Service office.		
DoD Legacy Program	The DoD Legacy program provides funds for stewardship projects not eligible for funding under the management fund program. Information on the Legacy program is available through DENIX (password required) at https://www.denix.osd.mil/denix/Public/ESPrograms/Conservation/Legacy/dodlegacy.html or call (410) 436-3206 (DSN 584).	T	
Pilot Program Candidate	Pilot projects are conducted on Army installations to demonstrate new projects and develop lessons learned. Installations gain the benefit of the free service. If you are interested in participating call (410) 436-3206 (DSN 584).	T/F	
Reimbursable Programs Tracking System (RPTS)	This internet based system relates to the fiscal management of the Army's reimbursable forestry, agricultural/grazing outlease, and fish and wildlife conservation resources. These national resources programs involve Army installations, regions, USACE Districts, Army Headquarters, and DFAS. For more information call (410) 436-3206 (DSN 584).	T	X
The National Environmental Education & Training Foundation (NEETF)	This funding can be requested by visiting the website below for conservation/preservation projects on Army installations. If an installation has projects like creating nesting habitat, cleaning up a historic sea wall, installing picnic tables at your campground this foundation can provide up to \$6,000 a year. The project must be supported by volunteers and conducted on the last weekend of September. For more information, go to http://www.npld.com/ or call (800) 865-8337 or (410) 436-3206 (DSN 584).	T	X

Technical Support

Topic	Description	Free Service Telephonic or Field	Installation Funded
Biological Assessment (BA) & Endangered Species Management Plan	USAEC can provide assistance in the preparation and of Bas. It can also provide a technical review of draft BAs before the required submission to HQDA. For more information call (410) 436-3206 (DSN 584).	T/F	
BLM Library	This service is available to installations and can provide current periodical reference searches, textbook interlibrary loan, access to databases, monthly alerts, and journals. The BLM library phone number is (303) 236-6648 for general searches or (303) 236-6650 for legal searches or visit the following website http://aec.army.mil/usaec/conservation/library00.html .	T	
Cooperative Agreement Program	This program provides installations another alternative to contracts. A vendor cooperates with the Army installation in developing the product, and does not charge a profit. A list of available vendors can be provided, and vendors can be added. For more information visit the following website http://www.usamraa.army.mil/ , or call B.C. Baker at (301) 619-2035 or Michael Younkins at (301) 619-2503.	T	
Enforcement Coordination on Technical Issues	To report violations or request assistance contact the appropriate Regional Office. The USAEC/USFWS Liaison can also provide points of contact call (410) 436-3206 (DSN 584).	T	
Contract Support	The USAEC provides delivery order contracts that are established to assist with installation level projects. Installations are able to access open contracts to allow for efficient funding mechanisms. For more information call (410) 436-3206 (DSN 584).	T	X
ESA Federal Register Review	The Natural Resources Branch reviews the Federal Register each day for endangered species related announcements (proposed and final rules, etc.) The intent of the review is to provide notice to HAD, MACOMs, IMA		

	Regions, and installations of endangered species related published final and proposed rules that may affect the Army and our installations so that they can take appropriate action (e.g. respond to the regulators). Twice a month we distribute (via e-mail) a summary of those reviews. For more information or to be placed on the e-mail list call (410) 436-3206 (DSN 584).	T/P	
Federal Agency Liaison Support	USAEC continues to work with several federal environmental agencies to establish liaison support to aid installations to meet their short-term needs for natural resources management. Expertise available includes National Environmental Policy Act (NEPA) Compliance, preparation of Integrated Natural Resources Management Plans (INRMPs), inventories and ecosystem approaches to landscape management, and a wide range of support listed below. For assistance call the USAEC at (410) 436-3206 (DSN 584) and ask for the agency liaison.	T/F/P	
Agronomy	Contact the USAEC/Cooperative State Research, Education, and Extension Service (CSREES) Liaison for assistance in obtaining best management practices information or consultation on agronomy issues. USAEC can also assist in obtaining technical expertise on integrated pest management from Land Grant Universities in each of the states. Call (410) 436-3206 (DSN 584).	T	
Damage Assessments	Rapid surveys after hurricanes or other climatic events to provide stabilization and recovery recommendations. Contact USAEC/USFS Liaison at (410) 436-3206 (DSN 584).	T/F	X
Emergency Watershed Protection	NRCS is available to provide emergency technical assistance in response to natural disasters that either cause erosion (hurricanes) or could potentially cause erosion (large scale wildland fires). Contact USAEC/NRCS Liaison at (410) 436-3206 (DSN 584).	T	
Entomology	Contact the USAEC/CSREES Liaison for assistance in obtaining best management practices information or consultation on entomology issues in support of the Installation Pest Management Plan. USAEC can also assist in obtaining technical expertise on integrated pest management from Land Grant Universities in each of the states. Call (410) 436-3206 (DSN 584).	T	
Erosion Control	USAEC provides liaison support and coordination between the installation and the local NRCS. The CAP can fund emergency erosion control problems. For more information call (410) 436-3206 (DSN 584) and ask for the NRCS representative.	T/F	
Fish & Wildlife Habitat Management	Information for management relative to federally protected species can be obtained from local USFWS Field Offices. Resident species information can be obtained from the appropriate State fish and wildlife agency. The USAEC/USFWS Liaison can provide specifics. The Forest Service also can provide information on managing species and can conduct surveys (on a reimbursable basis). Contact the USAEC/USFS Liaison at (410) 436-3206 (DSN 584).	T/F	X
Forest Health Monitoring	The Forest Service's Forest Health Monitoring (FHM) is a national program designed to determine the status, changes, and trends in indicators of forest condition annually at the regional and state level. FHM methods can be adapted to assess ground troop impacts on forested areas. Contact USAEC/USFS Liaison at (410) 436-3206 (DSN 584).	T/F	X

Forest Information – Regional & State	The Forest Service’s Forest Inventory and Analysis Group reports on status and trends in forest area and location; in the species, size, and health of trees; in total tree growth, mortality, and removals by harvest; in wood production and utilization rates by various products; and in forest land ownership. This data enables land managers to devise better management plans and to assess the effects of current and past management practices on the land. Go to the web at http://www.fia.fs.fed.us for background information or to access the online databases or contact the USAEC/USFS Liaison at (410) 436-3206 (DSN 584).	T/P	
Forest Insect & Disease Surveys & Information	Aerial surveys are flown on an as needed basis in areas experiencing an insect or disease outbreak. Ground surveys may also be conducted to identify and evaluate insect and disease problems. Assistance in controlling major forest pests is available. To find out if your installation was included in the survey or to include it, contact the USAEC forester at (410) 436-3206 (DSN 584), the USAEC/USFS Liaison, or your local Forest Service office. Expenses of the survey are usually borne by the Forest Service. Information on pest species is available in printed format and on the web at http://www.na.fs.fed.us/spfo and click on “online publications”.	T/F/P	
Forest Management & Stewardship	Information and direct assistance are available from the USFS on timber sale preparation and administration; forest inventories and prescriptions; forest certification; criteria and indicators; sustainable management; on-site forestry assistance; information; development of forest management plans; reforestation (planting); develop environmental stewardship brochures for soldiers (soldier cards); natural resources training. Contact USAEC/USFS Liaison at (410) 436-3206 (DSN 584).	T/F	X
Forest Pest Suppression Funding (Insects & Diseases Only)	Funds are available from the USFS to support projects for suppression of forest pests on DoD lands. The legal definition of a pest is “an insect or disease”. Installations develop proposed projects. Proposed projects are forwarded from USAEC through the Armed Forces Pest Management Board to the Forest Service for approval of funding. For more information: contact the USAEC forester, the USAEC/Forest Service Liaison at (410) 436-3206 (DSN 584), or your local Forest Service office.	T	
Growing Trees, Shrubs, Plants (Installations in WA, OR ID, MT, WY, CA, NV, UT, CO, AZ, NM)	A joint BLM and USFS nursery in Oregon will grow plants from seeds collected on your installation for your reforestation or restoration project. They can also provide information on how and when to collect seed or provide the people. Done on a reimbursable basis. Contact USAEC/USFS Liaison at (410) 436-3206 (DSN 584) or the J. Herbert Stone Nursery 541-858-6100; or http://www.fs.fed.us/r6/rogue/jhsn/ .	T	X
Hazard Tree Management	Training in identification and management of trees that pose a safety hazard is available from the Forest Service’s Forest Health Protection program. Contact USAEC/USFS Liaison at (410) 436-3206 (DSN 584) or see the following website http://www.na.fs.fed.us/spfo/hazard/index.html .	T/P/F	
INRMP Management Plans & Other Issues Related to Sikes Act	The USFWS is available to cooperatively assist in developing INRMPs. Local Field Offices should be consulted early and often. Regional Offices have designated Sikes Act Coordinators. USAEC/USFWS Liaison available for specific details at (410) 436-3206 (DSN 584).	T	

INRMP Preparation	All USAEC Liaisons can review INRMPs and provide recommendations. The USFS and the USFWS can provide subject matter experts to offer recommendations, to write sections of the INRMP, to be members of the installation's INRMP development team. Some assistance is free some is on a reimbursable basis. Contact USAEC/USFS/USFWS Liaisons at (410) 436-3206 (DSN 584).	T/F	X
Integrated Pest Management	Contact the USAEC/CSREES Liaison for assistance in obtaining best management practices information or consultation on integrated pest management in support of the Installation Pest Management Plan. USAEC can also assist in obtaining technical expertise on integrated pest management from Land Grant Universities in each of the states. Call (410) 436-3206 (DSN 584).	T	
Invasive Species	Contact the USAEC/CSREES Liaison for assistance in obtaining best management practices information or consultation on invasive species. USAEC can also assist in obtaining technical expertise on invasive species from the Land Grant Universities in each of the states. Call (410) 436-3206 (DSN 584).	T	
Law Enforcement for Federally Protected Plant & Animal Species	To report violations or request assistance contact the appropriate Regional USFWS Office. The USAEC/USFWS Liaison can also provide points of contact. Call (410) 436-3206 (DSN 584).	T	
Migratory Bird Management	Information and assistance associated with migratory birds can be obtained from USFWS Field and Regional Offices. USAEC/USFWS Liaison available for information at (410) 436-3206 (DSN 584).	T	
Military Access to National Forest System Lands	USFS lands are available for many uses including certain types of military training. This is allowed via a special use permit. Contact the USAEC/USFS Liaison at (410) 436-3206 (DSN 584).	T/F	
National Environmental Policy Act (NEPA)	All Liaisons are available to review and comment on NEPA documents. The USFS also will work with the installation to provide personnel to write NEPA documents on a reimbursable basis. Contact USAEC/USFS Liaison at (410) 436-3206 (DSN 584).	T/F	X
Natural Resources Training	The USFWS National Conservation Training Center offers a multitude of classes relative to fish and wildlife management. Contact the Training Center, http://training.fws.gov , or the USAEC/USFWS Liaison for details at (410) 436-3206 (DSN 584).	T	
Noxious Weed Management	NRCS can provide consultation on noxious weed management through their local offices. For the number to your local office call (410) 436-3206 (DSN 584).	T	
Obtaining Trees, Shrubs, & Plants	Plants may be obtained for low cost from state- or federally-operated nurseries; for locations of state, federal, tribal, or other nurseries see http://rngr.fs.fed.us/nurseries/directories.html and look for those in your area. For additional information, contact the USAEC/USFS Liaison or the USAEC/NRCS liaison for NRCS plant materials centers at (410) 436-3206 (DSN 584).	T	X

Outdoor Recreation Planning	Information and assistance on developed (e.g., campgrounds, ski areas) or dispersed (e.g., hiking, horse, or off-road vehicle trails) recreation planning is available. Contact the USAEC/USFS Liaison at (410) 436-3206 (DSN 584).	T/F	X
Planning Level Surveys	Liaisons can provide agency personnel to conduct certain planning level surveys on a reimbursable basis. Contact USAEC/USFS Liaison for flora, fauna, vegetation communities, and threatened and endangered species surveys. Contact USAEC/NRCS Liaison for soil surveys. Contact USAEC/USFWS Liaison for wetlands and threatened and endangered species surveys. Phone (410) 436-3206 (DSN 584).	T	X
Plant Diseases	Contact the USAEC/CSREES Liaison for assistance in obtaining best management practices information or consultation on Plant disease issues. USAEC can also assist in obtaining technical expertise on integrated pest management from Land Grant Universities in each of the states. Call (410)-436-3206 (DSN 584).	T	
Plant Materials Assistance	Plant materials assistance includes all aspects of vegetation and/or revegetation and water quality needed to sustain training on an installation including: soil erosion, buffer strips, bioengineering of stream banks and steep slopes, wetland development, wear tolerant vegetation, wildlife enhancement, native plant establishment, heavy metal tolerance, berm revegetation on small arms ranges, runoff from impact areas and also dust and noise abatement. Contact the USAEC/NRCS Liaison at (410) 436-3206 (DSN 584) or your local NRCS office. Either contact will be able to request assistance from the Plant Materials Specialist or Plant Materials Center that serves the installation.	T	
Prescribed Burning & Wildland Fire Management	The USFS can arrange for wildland fire training, development of wildland fire management plans, on-site assistance in conducting prescribed burns, and design and/or review of prescribed burn plans usually on a reimbursable basis, but some assistance may be free. Contact USAEC/USFS Liaison at (410) 436-3206 (DSN 584).	T/F	X
Range (Grazing) Conservation	NRCS can help installations develop conservation plans including agricultural and or grazing. Contact USAEC/NRCS Liaison at (410) 436-3206 (DSN 584) or the local NRCS office servicing the county their installation is located in.	T	
Reclamation/ Restoration Of Eroded Areas	NRCS works directly with many installations to provide erosion control. Other installations may contact USAEC/NRCS liaison or the local NRCS office servicing the county their installation is located in. For those installations with heavy training that leads to erosion, the NRCS Liaison can work with them and local NRCS to place personnel for long term details. NRCS can be utilized for short-term consultations for little or no funding (up to about 3 days). Call (410) 436-3206 (DSN 584).	T	
Riparian/Stream Corridor Restoration	The USFS and NRCS can aid installations in planning and overseeing restoration projects in and along streams. A "Stream Corridor Restoration" handbook was developed by 15 Federal Agencies, including the USFS, NRCS, and Army Corps of Engineers. It can be viewed at the following website http://www.usda.gov/stream_restoration/newgra.html . Contact the USAEC/NRCS or USFS Liaison. Call (410) 436-3206 (DSN 584).	T/F	X

Road and Firebreak Design	The Forest Service can evaluate road and firebreak design and layout and make recommendations on maintenance, closure, and optimum design. Reimbursable project. Contact USAEC/USFS Liaison at (410) 436-3206 (DSN 584).	T/F	X
Soil Quality Monitoring	The Soil Quality Institute of NRCS has developed easy to use tools and guidelines to determine and monitor soil health. NRCS specialists may be available for special projects concerning soil quality on installations. Contact the USAEC/NRCS liaison at (410) 436-3206 (DSN 584).	T	
Soil Surveys	Provide guidance on obtaining up-to-date soils data and soil surveys of the installation. NRCS can provide scientists to make detailed soil surveys of installations or other areas of concern and available to provide consultations on the ability of soils to support specific uses, i.e., trafficability of various maneuver units; bivouac sites; building sites; golf courses; recreational trails; etc. Contact USAEC/NRCS Liaison at (410) 436-3206 (DSN 584).	T	
Technical Information Transfer, Development, Research	Forest Service scientists are available to conduct natural resources projects/research or to adapt existing technology to local conditions. Examples: determining carbon sequestration rates; developing fire models for local forest and grassland conditions; trend analyses from forest inventory or other data; monitoring sediment rates; conducting thinning research. Contact USAEC/USFS liaison at (410) 436-3206 (DSN 584).	T/F	X
Threatened & Endangered Species	Information and assistance relative to T&E Species can be obtained from local USFWS Field or Regional Offices. Contact the USAEC/USFWS Liaison for any assistance at (410) 436-3206 (DSN 584).	T	
Urban and Cantonment Forestry	Information on planting and maintaining trees near administrative or housing areas is available at website http://www.na.fs.fed.us/spfo and click on "Urban and Community Forestry"; also available in printed material. On-site visits can be arranged. Contact USAEC/USFS Liaison at (410) 436-3206 (DSN 584).	T/F	X
Weed Science	Contact the USAEC/CSREES Liaison for assistance in obtaining best management practices information or consultation on weed science issues. USAEC can assist in obtaining technical expertise on integrated pest management from Land Grant Universities in each of the states. Call (410) 436-3206 (DSN 584).	T	
Wetland Delineation/ Inventory	National Wetland Inventories (planning level surveys or delineations) can be provided by the USFWS. Contact USAEC/USFWS Liaison for specific details at (410) 436-3206 (DSN 584).	T	
Windbreaks	NRCS can help design and install windbreaks for wind erosion control and living snow fence designs. Contact the USAEC/NRCS liaison at (410) 436-3206 (DSN 584).	T	
INRMP Preparation & Assistance	The USAEC Staff and Federal Liaisons can review INRMPs and provide recommendations. The USFS and the USFWS can provide subject matter experts to offer recommendations, to write sections of the INRMP, to be members of the installation's INRMP development team. Some assistance is free; some is on a reimbursable basis. Contact USAEC at (410) 436-3206 (DSN 584) or see the posted guidance on the USAEC website http://aec.army.mil/usaec/conservation/natural01.html .	T/F/P	X
Invasive Species Control and	Contact the USAEC/ Cooperative State Research, Education, and Extension Service (CSREES) Liaison for assistance in obtaining best management		

Mitigation	practices information or consultation on invasive species. USAEC can also assist in obtaining technical expertise on invasive species from the Land Grant Universities in each of the states. Call (410) 436-3206 (DSN 584).	T	X
Low Impact Development	USAEC has begun to introduce the concepts of Low Impact Development (LID) thru a series of workshops at various installations to support their sustainability program. LID uses small, distributed, micro-scale conservation landscape techniques that reduce the impact of storm water on aquatic ecosystems and maintain natural processes. These workshops have demonstrated how LID protects the ecological integrity of receiving waters by maintaining the watershed's hydrologic regime, thus having a positive effect on stream stability, habitat structure, base flows, and water quality. For more information about LID workshops contact USAEC at (410) 436-3206 (DSN 584).	T	
Nutrient Management Plans	The 1998 Federal Agencies Chesapeake Ecosystem Unified Plan requires that all Federal lands within the Chesapeake Bay Watershed have nutrient management plans. USAEC has prepared a template to help installations develop plans specific to their installation. The template has special emphasis on agricultural, construction, turf, golf course, recreation, and developed lands. For more information call (410) 436-3206 (DSN 584).	T	
Stream Assessment	Stream assessments were conducted on Army installations in the state of Maryland from a survey developed by the Watershed Restoration Division Maryland Department of Natural Resources. The Stream Corridor Assessment (SCA) survey is designed to provide a method to both rapidly assess the general physical condition of a stream system and identify the location of a variety of common environmental problems with the stream's corridors to help target restoration areas. To receive copies of this survey contact MDNR at http://www.dnr.state.md.us/streams/pubs/pub_list.html or call (410) 436-3206 (DSN 584).	T	
Threatened & Endangered Species Support	USAEC provides detailed BAs and endangered species management plan reviews, and scan the Federal Register for Endangered Species Act (ESA) announcements to alert installations to any newly listed or proposed species in their area. For more information call (410) 436-3206 (DSN 584).	T/F	
Army Reporting Systems	USAEC provides assistance in the preparation of EQR data input and EPR projects. Call (410) 436-3206 (DSN 584).	T	
Contract Support	USAEC can assist and the statement of work development in the contracting actions. There is a Natural Resources Program Assistance Announcement that facilitates the development of cooperative agreement to provide natural resource related support for your installations. Call (410) 436-3206 (DSN 584).	T	
Emergency Section 7 Consultation Under The ESA Assistance	ODEP has released a policy and guidance memorandum to assist installations. For more information call (410) 436-3206 (DSN 584).	T/P	
General Technical Support	Telephonic support in the form of Law, Statute, AR, policy, guidance interpretation and implementation. Call (410) 436-3206 (DSN 584).	T	
T&E Listing Action Responses	USAEC can help support your preparation of responses to proposed rules (responses are required by AR 200-3, when proposed rules may affect your installation). Call (410) 436-3206 (DSN 584).	T	

Planning Level Surveys (PLS)	USAEC can provide generic Statements of Work for all Planning Surveys. Call (410) 436-3206 (DSN 584).	T	
Review Biological Assessments (BA)	BA's are required to assess the potential impacts of major actions (training, natural resource management) to listed T&E species under the ESA. USAEC can provide technical support for the preparation of any aspect of the BA (survey's, site assistance, coordination with USFWS). Call (410) 436-3206 (DSN 584).	T/F	
Review ESA Related Federal Register Announcements	USAEC scans and reviews all ESA related Federal Register Notices (the Federal Register is the official method to published proposed and final rules for all listing actions of the USFWS or the National Marine Fisheries Service related to the ESA) that have the potential to affect Army installations and mission. These updates are e-mailed to interested parties. For more information call (410) 436-3206 (DSN 584).	T/P	
Site Assistance Visits	USAEC can provide limited site assistance for all ESA related actions (consultation, survey work, etc). For more information call (410) 436-3206 (DSN 584).	T/F	
Watershed Management	The USAEC/EPA liaison can provide assistance on watershed assessment, other watershed issues, and numerous other water/wastewater areas. For more information call (410) 436-3206 (DSN 584).	T	
Wildlife Management	The purpose of the Army's Fish and Wildlife Conservation Program, otherwise known as the Hunting and Fishing program, is the conservation and rehabilitation of natural resources on military installations through the sustainable multipurpose use of the resources, which includes hunting, fishing, and trapping. The program is executed on the installation level with program oversight provided by the MACOMs, ODEP and USAEC. Call (410) 436-3206 (DSN 584).	T	

Reporting

Topic	Description	Free Service Telephonic or Field	Installation Funded
EPR Assistance	USAEC can conduct a side-by-side review upon request from the MACOM or the IMA Region. The benefit to installations is the process can clarify funding policies. For more information call (410) 436-3206 (DSN 584).	T/F	
Environmental Quality Report (EQR)	USAEC provides QA and assistance with conducting Environmental Quality Reports (EQR). For more information call (410) 436-3206 (DSN 584).	T	
IPR Assistance	USAEC can provide technical assistance on projects while they are in progress. The Natural Resource staff can provide information on timelines and expected costs of a project. For more information call (410) 436-3206 (DSN 584).	T	
PMR Assistance	USAEC establishes an annual work plan with IMA Regions to determine a prioritization of Conservation projects. Installations can ask for assistance with their projects to warrant a higher priority. For more information call (410) 436-3206 (DSN 584).	T/F	
Pre-ECAS Inspection (Informal Assistance)	Installations can request technical assistance prior to the inspection to ensure compliance with the checklist. A separate set of eyes can review the installations findings and can provide a mechanism for quality control. For more information call (410) 436-3206 (DSN 584).	T/F	