

NATURAL RESOURCE MANAGEMENT

ENVIRONMENTAL MANAGEMENT PROCEDURE (EMP) 4.4.6.10

JBLE-EUSTIS



25 June 2020

(Revised 14 June 2021)

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DEPARTMENT OF THE AIR FORCE
HEADQUARTERS 633D AIR BASE WING
JOINT BASE LANGLEY-EUSTIS VA

OFFICE OF THE COMMANDER

MEMORANDUM FOR ALL 733 MSG UNITS AND FEVA ORGS

SUBJECT: JBLE-Eustis Environmental Management Procedures (EMPs)

1. EMPs apply to all JBLE-Eustis activities (including tenants, associated units, and contractors) that impact any environmental resource area on the installation, to include, but not limited to Air Quality, Water Quality, Hazardous Waste, Hazardous Materials, Natural Resources, Cultural Resources, Solid Waste and Recycling, Inspections, Training, Tanks, Spill Prevention, Pollution Prevention, and Pest Management.
 - a. EMPs enable our compliance with Federal, State, Department of Defense, and Air Force regulations, directives, instructions, and manuals, and are specific to JBLE-Eustis.
 - b. EMPs assign responsibilities, provide instruction and guidance for appropriate management of environmental programs to ensure the installations regulatory compliance.
2. JBLE-Eustis personnel may access these EMPs electronically via the Environmental Management Procedures section of the JBLE-Eustis Environmental website at: <https://www.jble.af.mil/Units/Army/Eustis-Enviromental/> under Environmental Management Procedures (EMPs), EMP Library.
3. The Office of Primary Responsibility for this document is 733d Civil Engineer Squadron Environmental Element (733 CES/CEIE), and will review all EMPs annually, and update as appropriate. Major revisions require concurrence from the JBLE-Eustis Environmental Management System (EMS) Cross-Functional Team (CFT) and approval by the Environmental Safety and Occupational Health Council (ESOHC).
4. All EMPs are unclassified and will be posted in "Read Only" .pdf format, reviewed, revised and rescinded IAW current directives.

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HARRY D. HUNG, Colonel, USA
Vice Commander

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Environmental Management Procedure (EMP) 4.4.6.10

SUBJECT: Natural Resource Program Management

PURPOSE AND POLICY:

- A. Purpose: This procedure establishes the standards for the management of the installation natural resource program to include wildlife and habitat management, wetlands protection and preservation, and forest management.
- B. Policy: To conserve, protect and enhance natural resources and manage biological diversity (game and non-game wildlife and habitats) through conservation, protection, and enhancement of natural ecosystems, in a sustainable manner, to meet present and future DOD mission goals and objectives.

DOCUMENT CONTROL:

This is a controlled document. Controlled documents are updated as required, reviewed at least annually, and re-dated if changed. Any documents to include blank forms appearing in paper form are not controlled and should be checked against the file version prior to use on the:

JBLE – Eustis Environmental website: <http://www.jble.af.mil/Units/Army/Eustis-Environmental/>

REFERENCES:

- A. AFMAN 32-7003 Environmental Conservation
- B. JBLE Instruction (JBLEI) 32-102 Hunting and Fishing Program
- C. JBLE-E Integrated Natural Resources Management Plan (INRMP)

SCOPE:

This EMP applies to all Activities and personnel, including military, civilians, vendors, suppliers, visitors, military dependents, and contractor personnel who enter JBLE-Eustis.

ROLES AND RESPONSIBILITIES:

- A. Commanders, Directors, and Leaders of Activities will:
 - (1). Ensure all assigned activity personnel are aware of organization and individual responsibilities to protect and sustain natural resources.

- (2). Ensure all training or operational events are vetted through the Environmental Impact Assessment Process (EIAP) that ensures compliance with the National Environmental Policy Act (NEPA) to identify natural resource impacts and required mitigation.
- (3). Conduct training activities in accordance with this regulation to minimize damage to natural resources.

B. Army Support Activity (ASA) will:

- (1). Execute the Installation Training Area Management (ITAM) program.
- (2). Coordinate ITAM activities with the Civil Engineer Squadron, Environmental Element (CES/CEIE).
- (3). Coordinate with CES/CEIE for assistance with Timber Stand Improvements (TSI) and other forestry operations in support of the ITAM program on training lands.

C. The CES Director will exercise staff responsibility for the natural resources management program. CES/CEIE will coordinate execution of the program with the Natural Resources & Integrated Pest Management Team Lead serving as the installation Natural Resources Program Manager.

D. CES/CEIE will:

- (1). Prepare, coordinate, maintain and implement the installation Integrated Natural Resources Management Plan (INRMP) to include preparation of INRMP Annual Review Summaries IAW Section 4.4.6.10.1.
- (2). Provide technical expertise and guidance to land users for protecting, preserving and sustaining natural resources.
- (3). Review all installation plans and EIAP documents for natural resource impacts.
- (4). Manages its responsibilities regarding the installation recreational hunting and fishing program as articulated in JBLEI 32-102 and ensures compliance with requirements of the INRMP.
- (5). Ensure that natural resources and ecosystem requirements are addressed in all land leases and out grants.

PROCEDURES:

A. The CES/CEIE Natural Resources Program Manager shall:

- (1). Perform an annual review of the INRMP and generate an INRMP Annual Review Summary with input from ASA, 733 Security Forces Squadron (SFS), 1ST Fighter Wing (1FW), Engineer & Operations Flights (CEO), 733 Force Support Squadron (FSS), 7th Transportation Brigade (Expeditionary), and 128th Aviation Brigade. Consult with US Fish and Wildlife Service, National Oceanic & Atmospheric Administration, and Virginia Department of Wildlife Resources following preparation of the Summary and obtain regulatory agency concurrence and approval/signature from the 633 ABW Commander or designated agent.
- (2). Revise the INRMP every 5 years with review/input from FSS, ASA, SFS, 1FW, Civil Engineer Flight (CEN), 7th Transportation Brigade (Expeditionary), and 128th Aviation Brigade. Consult with US Fish & Wildlife Service, and Virginia Department of Wildlife Resources. Obtain 633 ABW Commander (or designated agent) approval and signature. Obtain US Fish & Wildlife Service and Virginia Department of Wildlife Resources signatory concurrence.
- (3). Develop a forest inventory and update every ten years. Execute a commercial forest annual work plan based on the INRMP, natural resource program initiatives, ITAM program requirements, installation developmental plans, or Army/Air Force initiatives.
- (4). Develops natural resource projects/scopes of work and submit requests funding.
- (5). Coordinate with the ASA to ensure all installation training and operations are compatible with sustainment of natural resources on JBLE-Eustis. At a minimum, ASA will ensure:
 - (a). Activity training/operations personnel are aware of training/operational issues affecting natural resources sustainment.
 - (b). Planned training/operations will not have unwanted or illegal impact on natural resources by coordinating with CES/Natural Resources staff.
 - (c). Training maps are annotated or overlaid to reflect natural resource data layers.
- (6). Natural resource program requirements outside the established annual work plan shall be addressed by revising the plan or augmenting the natural resource staff to ensure mission accomplishment. Unplanned natural resource program requirements may come from changes to military training requirements or other factors including but not limited to unanticipated

construction and range upgrades, weather related requirements (storms, drought, etc.), and request from regulators or the surrounding community.

- (7). Maintain all required documents and records.
- (8). Execute Cantonment Area Land Management
 - (a). Natural resource management in the cantonment areas addresses two areas:
 - i. Loss of green space due to construction of buildings or other facilities within the cantonment area.
 - ii. Management of the cantonment area green space (i.e. urban forest, mowing areas, and decorative plantings).
 - (b). Develop green space goals and coordinate through the EIA process to ensure appropriate and practical green space mitigation is included in all construction and renovation projects.
 - (c). Promote use of native species and prevent establishment of monocultures when possible in landscaped areas.
 - (d). Develop plans to reduce mowed areas in the cantonment area when such areas can be converted into early successional, pollinator or forested habitat.
 - (e). Manage the urban forest in the cantonment area by advising Activities to avoid damage or death of trees by:
 - i. Maintaining an appropriate drip line for trees.
 - ii. Avoiding soil compaction within the drip line.
 - iii. Avoiding cutting, trimming and pruning of trees by unqualified persons.
 - iv. Avoiding construction or practices that lead to excessive water runoff or ponding of water around most tree species.
 - v. Avoiding damage to tree root systems from operation of equipment, vehicles and heavy operating equipment.
 - vi. Avoiding topping of trees.

vii. Having all tree work will be performed under the direction of a Certified Arborist.

viii. Reporting any tree considered to meet the definition of a hazard tree to CES/CEIE.

(9). Execute Fish & Wildlife and Habitat Management

(a). Conduct surveys/inventories of plants/vegetation communities, fish, arthropods, other invertebrates & vertebrate wildlife and associated habitats, identify any declining wildlife populations, adverse forest insect issues, forest health, and identify any degrading habitats.

(b). Develop plans to mitigate declining wildlife populations and to restore degrading habitats or convert non-native habitat to native habitat.

(c). Manage wildlife and habitats to include federally listed species IAW Section 4.4.6.10.1.

(d). Support the hunting program by:

i. Collecting biological data from harvested deer and turkey to analyze the health of individuals and the population, and identify habitat/resource issues IAW Sections 4.4.6.10.4 and 4.4.6.10.5.

ii. Setting harvest regulations based on population data.

iii. Utilizing the Deer Population Reduction Program (DPOP) when appropriate to remove deer from special areas not normally open to recreational hunting.

iv. Conducting annual population estimate determination.

(e). Conducts Section 7 Consultation with US Fish & Wildlife Service (and National Oceanic and Atmospheric Administration as applicable) concerning federally listed wildlife, fish and plants.

(10). Execute Wetlands Management. Maintain wetlands and keep an inventory of wetlands on the installation IAW Section 4.4.6.10.7.

(11). Execute Forestry Management.

(a). Prepare a forest inventory every 10 years IAW AFMAN 32-7003 and the commercial forestry portion of the INRMP. Prepare and revise annual work plans as feasible based on construction projects that involve timber area clearing, and other applicable factors (e.g. storm damage).

(b). Manage commercial and urban forestry IAW Sections 4.4.6.10.8 and 4.4.6.10.9.

- B. CES (Operations and Engineering Flights) coordinates with CES/CEIE concerning forestry impacted by construction or other projects.
- C. Installation Activities/Project Proponents/All Personnel will:
- (1). Utilize the EIA process to identify any impacts to natural resources of the planned training, operations, or actions and the required mitigation.
 - (2). Use the EIA process to determine if planned actions have an impact on wetlands areas.
 - (3). Coordinate with CES/CEIE, Natural Resources Manager at least 6-8 months prior to commencement of work to allow CEIE submit Joint Permit Applications with supporting documentation to Virginia Marine Resources Commission for any projects with potential wetlands or surface water/sub-aqueous land impact.
 - (4). Provide fees for wetland/stream permit applications, compensatory mitigation and public notices (such as notices to be placed in the Daily Press by regulatory authorities) and plan actions well in advance to compensate for time needed by regulatory agencies to process Joint Permit Applications. Joint Permit Applications are reviewed/processed by the US Army Corps of Engineers, Virginia Department of Environmental Quality, Virginia Marine Resources Commission and Newport News Wetlands Board.
 - (5). Maintain at least a one hundred (100)-foot upland vegetated buffer around wetlands and streams with perennial flow for all actions.
 - (6). Avoid filling, excavation of, digging in, driving of vehicles in, releasing hazardous substances into, destruction or removal of vegetation associated with or any other activity that otherwise alters or damages the chemical, physical or biological characteristics of wetlands.
 - (7). Avoid capturing, collecting, killing or otherwise harassing wildlife or other fauna (including honeybees, other insects and other invertebrates) and report wildlife issues to the CES/CEIE Natural Resources Manager for action.
 - (8). Avoid cutting or removing trees without prior coordination with CES/CEIE Natural Resources Manager.
 - (9). Avoid feeding wildlife and feral/stray domestic animals such as cats and dogs.

- (10). Avoid removing wildlife, other fauna (honeybees, other insects, other arthropods, other invertebrates) or native plants from the installation.
- (11). Avoid abandoning, releasing or liberating wildlife, butterflies, other arthropods, domestic animals (such as cats and dogs), other pets, or exotic/non-native animals onto the installation.
- (12). Avoid damaging woody vegetation.
- (13). Drive or park any motor/tactical vehicle or motor-driven cycle only on designated roads, trails, training areas, parking areas, or recreational facilities specifically intended for such use.
- (14). Avoid applying paint to trees for any reason (except special tree paint used by natural resources staff for marking harvestable timber or hazard trees).
- (15). Avoid walking or riding horses in wetland vegetation located along Harrison Road/James River shoreline between Taylor Avenue and entrance to James River Reserve Fleet.
- (16). Avoid conducting physical fitness events, jogging, running, riding bicycles (i.e. such as mountain bicycles), riding horses, or operating motorized conveyances (such as but not limited to vehicles, all-terrain vehicles, and motorcycles) on the Fort Eustis Nature Trail.
- (17). Avoid harvesting natural vegetation, collecting pine straw/needles, using installation land area for vegetable/crop (or other harvestable plants) production, installing/maintaining honeybee colonies or traps, or any other agricultural activity without written authorization by the installation commander.

SECTION 4.4.6.10.1

SUBJECT: Fort Eustis Integrated Natural Resources Management Plan

PURPOSE:

Establishes the procedures for the preparation, implementation and management of the Fort Eustis Integrated Natural Resources Management Plan (INRMP).

REFERENCES:

- A. EMP 4.4.6.10 Natural Resource Management
- B. JBLE-Eustis Integrated Natural Resources Management Plan

C. AFMAN 32-7003, Environmental Conservation

SCOPE:

Applies to all Activities and personnel, including military, civilians, vendors, suppliers, visitors, military dependents, and contractor personnel who enter JBLE-Eustis.

ROLES AND RESPONSIBILITIES:

- A. Civil Engineer Division/Environmental Element (CES/CEIE) prepares, implements and manages the INRMP in accordance with DOD/USAF policy.
- B. Engineering & Operations Flights (CEO), ASA, 733 Security Squadron (SFS), 1st Fighter Wing (1FW), 733d Logistics Readiness Division (LRD), 733 Force Support Squadron (FSS), 128th Aviation Brigade, and 7th Transportation Brigade (Expeditionary) provide input to preparation of the INRMP and participate in annual reviews.
- C. The CES Director exercises staff responsibility for the natural resources management program. The Environmental Element coordinates execution of the program and:
 - (1). Prepares, maintains and implements the installation INRMP.
 - (2). Coordinates the installation timber harvests, and fish and wildlife management programs with appropriate Federal and State agencies; maintains liaison with the agencies through cooperative agreements as required. Such agencies include US Fish and Wildlife Service and Virginia Department of Game and Inland Fisheries.
 - (3). Provides guidance to land users for sustaining natural resources.
 - (4). Reviews all plans and updates for natural resources impacts.
 - (5). Prepares, maintains, and coordinates all actions for implementing the Installation Pest Management Plan and incorporates with the INRMP.
 - (6). Coordinates and publishes local policies/regulations as necessary to accomplish natural resources management programs.
 - (7). Provides input to other installation publications as needed to reflect natural resources management policy.
 - (8). Ensures that natural resources and ecosystem values receive consideration in all land leases and out grants and that environmental protection and provisions of the INRMP are included in the lease or out grant agreement.

- (9). Performs an annual review of the INRMP and generates an Annual INRMP Review Summary with input from ASA, FSS, SFS, 1FW, 128th Aviation Brigade, 7th Transportation Brigade (Expeditionary), and Engineer Flight (CED). Consult with US Fish & Wildlife Service, National Oceanic & Atmospheric Administration (as applicable), and Virginia Department of Wildlife Resources following preparation of the Summary and obtain regulatory agency concurrence and approval/signature from the 633 ABW Commander or designated agent.

D. Engineering Flight (CEN):

- (1). Insures the INRMP is fully integrated into the Installation Development Plan.
- (2). Coordinates and monitors all actions for implementing the INRMP.
- (3). Participates in the annual review of the INRMP.

E. Operations Flight (CEO): Participates in the annual review of the INRMP.

E. 733 MSG Commander:

- (1). Insures the preparation and implementation of an INRMP applicable to the installation.
- (2). Provides guidance to commanders of training units to insure that training activities are accomplished in concert with the requirements of the INRMP and this regulation.

F. Commanders and Directors:

- (1). Ensure that the development of training programs includes the assessment of potential impacts to natural resources. Coordination will be made with CES/CEIE for information and guidance on environmental documentation that may be required for planned major exercises.
- (2). Conduct training activities in accordance with this regulation to avoid or minimize damage to natural resources.

G. 633 ABW Commander (or designated agent) approves and signs the INRMP.

PROCEDURES:

- A. Review the INRMP annually or if significant mission changes occur to determine if revisions are required. Generate an INRMP Annual Review Summary articulating accomplishments, annual work plan, required updates, and

staffing status. Consult with FSS, LRD, 1FW, ASA, SFS, CEO (Engineering & Operations Flights), SJA and US Fish & Wildlife Service and Virginia Department of Wildlife Resources.

- B. Prepare a new plan every five years at a minimum with review/input from FSS, ASA, SFS, LRD, 1FW, and CEO (Engineer and Operations Flights). Consult with US Fish & Wildlife Service and Virginia Department of Wildlife Resources. Obtain approval and signature by 633 Air Base Wing Commander (or designated agent) and signatory concurrence by US Fish & Wildlife Service, National Oceanic & Atmospheric Administration (as applicable), and Virginia Department of Wildlife Resources.
- C. Post the completed INRMP and all INRMP Annual Review Summaries on the JBLE-Eustis webpage and eDASH.
- D. Inform the installation community of the plan via Advanced Environmental Management training (and other applicable training), during ESOH Council meetings and by posting on the website.
- E. Follow Range Control policy concerning activities in training areas.
- F. Do not capture, kill, collect, injure or harass any wildlife species including birds and bird nests. Do not use any amphibian species or life stage for fishing bait. Do not harvest any amphibian species. Do not collect and retain bird feathers or other bird parts.
- G. Contact CES/CEIE for assistance with nuisance wildlife.
- H. Do not cut or remove standing or fallen timber/trees, or remove kindling/firewood-type forestry products without approval from CES/CEIE.
- I. Follow installation hunting and fishing policies.
- J. No wetlands, streams or other water bodies will be altered, damaged or filled unless the installation is in receipt of valid permits issued by applicable federal and/or state agencies.
- K. Cantonment Area Land Management.
 - (1). The use of all land resources within the cantonment area, to include construction of facilities, road and trail construction/maintenance, and all landscaping, will be accomplished/approved by CES/CEIE in accordance with the Installation Development Plan.
 - (2). Construction setbacks (vegetated Resource Protection Areas of 100 feet at a minimum) are required for streams/creeks, wetlands, and other water bodies on

the installation to the extent practical. Proponents of projects in the vicinity of wetlands/water bodies will consult with CES/CEIE.

- (3). All unit activity commanders will maintain the ground surface, grass, shrubs, and trees within their area of responsibility. No refuse items or materials may be disposed of by leaving them on the ground in their area or surrounding areas. The mowing crew will maintain all vegetation around the all areas not assigned to or occupied by a unit, activity, or tenant. CEO contractor will perform all required pest management activities, in accordance with the JBLE-Eustis Integrated Pest Management Plan.
- (4). Damaging of trees is strictly prohibited.
- (5). The destruction of vegetation contributes to soil erosion and the loss of wildlife habitat. Throughout the cantonment/non-training area (including housing areas), it is not permissible to:
 - (a). Damage woody vegetation.
 - (b). Drive or park any motor/tactical vehicle or motor-driven cycle anywhere other than on designated roads, trails, training areas, parking areas, or recreational facilities specifically intended for such use.
 - (c). Apply paint to trees for any reason except special tree paint when natural resources staff are marking harvestable timber or hazard trees.
 - (d). Walk or ride horses in wetland vegetation located along Harrison Road/James River shoreline between Taylor Avenue and entrance to James River Reserve Fleet.
 - (e). Jog, run, ride bicycles, ride horses, or operate motorized conveyances on the Fort Eustis Nature Trail.

L. Mulberry Island, Other Areas & Non-Cantonment Areas Management.

- (1). The construction/maintenance of all land resources, including all facilities, roads, trails, firebreaks, dam construction and maintenance activities, and vegetation maintenance activities will be coordinated with CES/CEIE for approval to insure compliance requirements are met and projects are consistent with the INRMP.
- (2). The requirement above for consulting with the Environmental Element for construction setback requirements on streams/creeks, wetlands, and other water bodies on installation or sub-installation lands also applies downrange.

- (3). Unit commanders will conduct training activities so as to avoid damaging sensitive areas and resources.

SECTION: 4.4.6.10.2

SUBJECT: Invasive Species Management

PURPOSE:

Establishes the procedures for the management of invasive species control on the installation.

REFERENCES:

- A. EMP 4.4.6.10 Natural Resource Management
- B. Integrated Natural Resources Management Plan (INRMP)
- C. Invasive Species Management Plan (an annex to INRMP)
- D. Timber Inventory and Forest Management Plan (an annex to INRMP).
- E. Integrated Pest Management Plan.

SCOPE:

Applies to all Activities and personnel, including military, civilians, vendors, suppliers, visitors, military dependents, and contractor personnel who enter JBLE-Eustis.

ROLES AND RESPONSIBILITIES:

- A. CES/CEIE will:
 - (1). Manage the invasive species management program in accordance with INRMP, Integrated Pest Management Plan (IPMP) and Invasive Species Management Plan.
 - (2). Develop an Invasive Species Management Plan as an annex to the INRMP and IPMP. Coordinate with Integrated Training Area Management (ITAM) staff to develop priorities for species control on training lands as part of this plan.
 - (3). Provide control measures where appropriate and available.
 - (4). Coordinate with affected parties on projects to control various invasive

species.

- (5). Conduct surveillance for nutria and coyotes (and other invasive vertebrate species as applicable) as well as invasive invertebrate pests of forest and other habitats.
 - (6). Approves all pest control/pesticide applications.
- B. Army Support Activity (ASA) coordinates with CES/CEIE for assistance with invasive species control in training areas and weapons ranges to support the ITAM program on training lands.

PROCEDURES:

- A. Develop and coordinate an invasive species management plan. Review this plan annually as part of the annual INRMP review.
- B. Perform invasive species control to support mission requirements and improve the quality of natural areas.
- C. Follow procedures and meet requirements for managing invasive species as articulated in the INRMP, IPMP and Invasive Species Management Plan.

SECTION: 4.4.6.10.4

SUBJECT: Management of Deer

PURPOSE:

Establishes the procedures for the management of white-tail deer (*Odocoileus virginianus*).

REFERENCES:

- A. EMP 4.4.6.10 Natural Resource Management
- B. Integrated Natural Resources Management Plan (INRMP)
- C. Deer Management Plan
- D. Annual Deer Harvest Analysis
- E. JBLEI 32-102, Hunting and Fishing Program

SCOPE:

Applies to all Activities and personnel, including military, civilians, vendors, suppliers, and contractor personnel who enter JBLE-Eustis.

ROLES AND RESPONSIBILITIES:

A. CES/CEIE will:

- (1). Manage the deer population within the installation's carrying capacity in accordance with the INRMP.
- (2). Manage the early/late deer seasons through the Deer Population Reduction Program (DPOP).
- (3). Conduct special management hunts as necessary to increase deer harvests and ratios.
- (4). Conduct special management hunts in "Off Limits" areas, where recreational hunting is prohibited as necessary.
- (5). Conduct deer depredation when necessary.
- (6). Develop, manage and provide oversight of the JBLE-Eustis Hunting and Fishing Program

PROCEDURES:

- A. Collect biological data from harvested deer to analyze the health of individuals and the population, and identify habitat/resource issues.
- B. Set harvest regulations based on population data.
- C. Utilize DPOP to increase antlerless harvest to regulate deer population when appropriate.
- D. Conduct annual population estimate determination.
- E. Conduct deer depredation when necessary to supplement recreational deer hunting activities and in areas where recreational deer hunting activities are limited or prohibited.

SECTION: 4.4.6.10.5

SUBJECT: Management of Wild Turkeys

Purpose: Establishes the procedures for the management of wild turkeys (*Meleogris gallopavo silvestris*) on JBLE-Eustis.

REFERENCENCES:

- A. EMP 4.4.6.10 Natural Resource Management
- B. Integrated Natural Resources Management Plan (INRMP)
- C. Wild Turkey Management Plan

SCOPE:

Applies to all Activities and personnel, including military, civilians, vendors, suppliers, visitors, military dependents, and contractor personnel who enter JBLE-Eustis.

ROLES AND RESPONSIBILITIES:

- A. CES/CEIE will manage the turkey population within the installation's carrying capacity in accordance with the INRMP.
- B. CES/CEIE will monitor the wild turkey population to determine population status, habitat impacts and predator impacts.
- C. CES/CEIE will manage the turkey hunting program.

PROCEDURES:

- A. Collect biological data from harvested turkey to analyze the health of individuals and the population, and identify habitat/resource issues.
- B. Set spring harvest based on population data.
- C. Conduct population surveys and estimates.
- D. Conduct habitat modification when necessary to provide key habitat types for wild turkey sustainability.
- E. Conduct predator depredation when necessary to minimize or remove predators of wild turkeys and their nests.

SECTION: 4.4.6.10.6

SUBJECT: Wetlands and Coastal Resources Management

PURPOSE:

Establishes the procedures for the management of wetland habitats within the installation boundary.

REFERENCES:

- A. EMP 4.4.6.10 Natural Resource Management
- B. Integrated Natural Resources Management Plan (INRMP)

SCOPE:

Applies to all Activities and personnel, including military, civilians, vendors, suppliers, visitors, military dependents, and contractor personnel who enter JBLE-Eustis.

ROLES AND RESPONSIBILITIES:

- A. CES/CEIE will:
 - (1). Manage the wetland program in accordance with INRMP.
 - (2). Determine whether appropriate federal, state or local permits are required based on the scope of projects, exercises and actions.
 - (3). Prepare Joint Permit Applications (or request Nationwide/Regional Permits or request extensions of existing permits where permissible) for projects, exercises and actions that will impact wetlands.
 - (4). Maintain an inventory of wetlands on the installation.
 - (5). Assist proponents with the preparation of Federal Consistency Determinations.
- B. All Activities and Project Proponents will:
 - (1). Coordinate with CES/CEIE prior to construction projects, exercises or actions that may impact wetlands.
 - (2). The proponent is responsible for providing maps, drawings, and descriptions of the proposed actions as described in the Joint Permit Application.
 - (3). Include Federal Consistency Determinations as part of their environmental impact assessment process for their projects.
- C. 7th Sustainment Brigade (Expeditionary) will conduct pier stabs (operation of temporary floating causeway systems) in accordance with federal, state and local permits obtained by CES/CEIE based on input from 7th Sustainment Brigade

(Expeditionary). Once permits are obtained, 7th Sustainment Brigade (Expeditionary) will notify CES/CEIE at least 30 days prior to such operations and comply with all aspects of such permits.

PROCEDURES:

- A. Submit Joint Permit Applications with supporting documentation to Virginia Marine Resources Commission normally with at least 6-8 months prior to commencement of work. Provide a public notice for permit applications, as applicable. Provide application fee for permit applications, as required but will be reimbursed by the proponent through cost transfer. Plan actions well in advance to compensate for time required by regulatory agencies to process permits. Permit applications for wetlands are reviewed/processed by the US Army Corps of Engineers, Virginia Department of Environmental Quality, Virginia Marine Resources Commission and Newport News Wetlands Board.
- B. Maintain at least a one hundred (100) foot upland vegetated buffer from wetlands and streams of perennial flow.
- C. Avoid filling, excavation of, digging in, driving of vehicles in, releasing hazardous substances into, destruction or removal of vegetation associated with or any other activity that otherwise alters or damages the chemical, physical or biological characteristics of wetlands without a permit(s).

SECTION: 4.4.6.10.7

SUBJECT: Commercial Forestry

PURPOSE:

Establishes the procedures for the management of the installation's standing timber, commercial forests and forestry products.

REFERENCES:

- A. EMP 4.4.6.10 Natural Resource Management
- B. Integrated Natural Resources Management Plan (INRMP)
- C. Forest Inventory and Forest Management Plan (an annex to INRMP).
- D. AFMAN 32-7003 Environmental Conservation.

SCOPE:

Applies to all Activities and personnel, including military, civilians, vendors, suppliers, visitors, military dependents, and contractor personnel who enter JBLE-Eustis.

ROLES AND RESPONSIBILITIES:

A. CES/CEIE will:

- (1). Manage the commercial forestry program in accordance with INRMP.
- (2). Perform/coordinate timber cruises of forested stands intended for removal as a result of construction projects or areas requiring timber stand improvements (TSI) and coordinate sales of marketable timber.
- (3). Coordinate forest regeneration projects.
- (4). Conduct marketable timber sales in accordance with the INRMP and AFMAN 32-7003.

B. CEO will coordinate with CES/CEIE concerning forestry impacted by construction or other projects.

C. Army Support Activity (ASA) will coordinate with CES/CEIE for assistance with TSI in support of the Integrated Training Area Management program on training lands.

PROCEDURES:

- A. Coordinate a forest inventory as part of the INRMP with ASA and FSS input. This inventory will be revised/updated every ten (10) years.
- B. Perform timber stand improvements and reforestation work in accordance with mission requirements from an ecosystem approach coordinating within CEO and with ASA concerning training areas.

SECTION: 4.4.6.10.8

SUBJECT: Urban Forestry

PURPOSE:

Establishes the procedures for the management of urban forestry resources.

REFERENCES:

- A. EMP 4.4.6.10 Natural Resource Management

B. Integrated Natural Resources Management Plan (INRMP)

C. AFMAN 32-7003 Environmental Conservation

SCOPE:

This EMP applies to all Activities and personnel, including military, civilians, vendors, suppliers, visitors, military dependents, and contractor personnel who enter JBLE-Eustis.

ROLES AND RESPONSIBILITIES:

A. CES/CEIE will:

- (1). Manage the urban forestry program in accordance with the INRMP.
- (2). Maintain a prioritized hazard tree list and coordinated the list with Operations Flight (CEO) for removal.
- (3). Promote planting of native trees and avoid monocultures where feasible.
- (4). Monitor and control overgrowth of loblolly pine, sweet gum, and red maple.

B. Activities will avoid actions that could lead to tree damage or death (as discussed in the Procedures paragraph below), avoid tree removal without prior coordination with CES/CEIE, and report possible hazard trees to CES/CEIE.

PROCEDURES:

A. Avoid damage or death of trees by the following:

- (1). Maintain an appropriate drip line for trees.
- (2). Avoid soil compaction within the drip line.
- (3). Avoid cutting, trimming and pruning of trees by unqualified persons.
- (4). Avoid construction or practices that lead to excessive water runoff or ponding of water around tree species.
- (5). Avoid damage to tree root systems from operation of equipment, vehicles and heavy operating equipment.
- (6). Avoid topping of trees.
- (7). Monitor overgrowth of loblolly pine, red maple and sweet gum and design

management practices.

- (8). Avoid damage to bark and root systems from mowing and other grounds maintenance activities.
- B. Have all tree work be performed under the direction of a Certified Arborist.
- C. Report any tree considered to meet the definition of a hazard tree to CES/CEIE.
- D. Avoid painting trees including roots, trunks and limbs.

SECTION: 4.4.6.10.9

SUBJECT: Recreational Use of Natural Resources

PURPOSE:

The purpose of this document is to set policies governing the use of natural resources for recreational purposes.

REFERENCES:

- A. EMP 4.4.6.10 Natural Resource Management
- B. Integrated Natural Resources Management Plan (INRMP)
- C. JBLEI 32-102, Hunting and Fishing Program

SCOPE:

Applies to all Activities and personnel, including military, civilians, vendors, suppliers, visitor, military dependents, and contractor personnel who enter JBLE-Eustis.

ROLES AND RESPONSIBILITIES:

- A. CES/CEIE will:
 - (1) Manage the Early/Late Deer Seasons, Special Management Deer Hunts, and Spring Turkey Seasons within the installation's carrying capacity and wildlife population's sustainability in accordance with the INRMP.
 - (2) Manage the Fort Eustis Nature Trail and associated habitats.
- B. Commanders and Directors will ensure their personnel comply with the provisions of the INRMP, JBLEI 32-102 and the prohibited activities noted below.

PROCEDURES:

A. General:

- (1). Penalties for violations can vary from Uniform Code of Military Justice (UCMJ), revocation of installation privileges for one or more years, criminal prosecution.
- (2). Any game harvested within the boundaries of JBLE-Eustis will be in accordance with (IAW) the INRMP, JBLEI 32-102, current Virginia hunting and fishing laws and regulations and federal laws and regulations.
- (3). Persons authorized to hunt and fish on Joint Base Langley Eustis-Eustis must follow the provisions of JBLEI 32-102 and the INRMP and be familiar with the Commonwealth of Virginia and Federal Regulations governing hunting and fishing. JBLEI 32-102 will not be interpreted to permit acts contrary to State and Federal statutes.
- (4). All hunting and trapping on JBLE-Eustis will be IAW JBLEI 32-102, the JBLE-Eustis INRMP, and State and Federal laws and regulations. Any rules and/or policies listed in this document henceforth apply to JBLE-Eustis CES/CEIE hunting and fishing programs and are either more stringent than state and federal statutes or not covered by state and federal statutes. All persons engaging in the hunting or fishing at JBLE-Eustis will do so utilizing the iSportsman application.
- (5). The JBLE-Eustis law enforcement personnel will enforce applicable hunting and fishing regulations within installation boundaries.
- (6). Open season and bag limits for hunting and fishing seasons are in IAW Virginia Department of Wildlife Resources regulations, JBLEI 32-102 and the Fort Eustis INRMP. CES/CEIE will determine hunting dates and times as deemed necessary.
- (7). The Fort Eustis Nature Trail is used solely for walking/hiking and bird watching and other wildlife viewing.
- (8). All personnel will comply with the following prohibitions.
 - (a). Walk in or ride horses in wetland vegetation associated with the artificial wetlands along the entire length of the Harrison Road shoreline.
 - (b). Drive off-road vehicles in wetlands, shorelines, beaches, forested areas, and streams.

- (c). Allow domestic pets such as dogs and cats to run loose.
- (d). Intentionally or voluntarily releasing any sort of wild animal onto the installation from any location outside installation boundaries.
- (e). Intentionally or voluntarily releasing or liberating insects (including butterflies), other arthropods, or other invertebrate animals onto the installation.
- (f). Intentionally or voluntarily releasing captive-raised frogs, toads, insects or other organisms associated with school forums, weddings, personal collections, or any other activities onto the installation.
- (g). Intentionally or voluntarily releasing or abandoning domestic dogs, domestic cats or other pets onto the installation.
- (h). Intentionally liberating or abandoning exotic/non-native organisms or pets (including but not limited to scorpions, tarantulas, insects and other arthropods; rodents, other small mammals, snakes, other reptiles, frogs, toads, salamanders, or birds) onto the installation.
- (i). Intentionally or voluntarily collecting or removing any wildlife, other fauna (including but not limited to frogs, salamanders, snakes, insects [such as honey bees, other pollinators, caterpillars, or any insect species], crayfish, etc.), or animal parts (such as but not limited to skulls, feathers, turtle carapaces/plastrons, carcasses, tails, claws, talons, fur, etc.) from the installation except as authorized by JBLEI 32-102 regarding hunting and fishing.
- (j). Attempt to capture feral/stray domestic cats.
- (k). Cut down or remove trees without prior authorization by CEIE.
- (l). Cut or remove forestry products or trees such as standing timber (dead or live), timber laying on the ground, logs, limbs, or sticks, or collect as firewood.
- (m). Remove or otherwise collect herbaceous plants from the installation without prior authorization from CEIE.
- (n). Create or operate a domestic cat colony on the installation (sometimes referred to as a “Trap-Neuter-Return colony”).

- (o). Utilize crayfish, frogs (adults or tadpoles), or salamanders as fishing bait on the installation or while fishing from the Harrison Road shoreline.
- (p). Harvest or remove any frog or toad species on the installation (such as frog gigging or collection for retention as pets or for sale).
- (q). Capture, trap, collect or remove any native wild animal from the installation. Animals are defined as any vertebrate or invertebrate species that includes mammals, birds, reptiles, amphibians, arthropods (insects, crayfish, spiders, etc.), annelids, or other species.
- (r). Kill, injure, capture or harass any wildlife or other fauna except as permitted by installation recreational hunting and fishing policies.
- (s). Collect or trap minnows or other bait fish from Eustis Lake or Browns Lake.
- (t). Discharge or discard refuse, soil, sediments, or any debris including vegetation debris into wetlands or streams.
- (u). Cut or remove tree limbs or other native vegetation to camouflage duck blinds, other structures, etc.
- (v). Remove, damage, tamper with or otherwise disrupt official government (or government contracted) animal traps or nets.
- (w). Remove any fish from Eustis Lake or Browns Lake (all fish must be released back into these water bodies during fishing).
- (x). Feed wildlife or feral/stray domestic cats.
- (y). Jog, conduct physical fitness events, ride bicycles (such as mountain bikes) or use motorized conveyances (including but not limited to vehicles, all-terrain vehicles, and motorcycles) on the Fort Eustis Nature Trail.