

**DRAFT**

# Integrated Natural Resources Management Plan

Volunteer Training Site – Milan

2011-2015



Tennessee Army National Guard  
Nashville, Tennessee

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**Volunteer Training Site – Milan  
Integrated Natural Resources Management Plan  
FY 2011-2015**

**Signature Page**

This Integrated Natural Resources Management Plan (INRMP) meets the requirements for INRMPs listed in the Sikes Act Improvement Amendments (16 U.S.C. 670a et seq.), AR 200-1, and the “Executive Summary and Scope” within this plan. It has set appropriate and adequate guidelines for conserving and protecting the natural resources of the Volunteer Training Site at Catoosa.

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## ACRONYMS AND ABBREVIATIONS

AR	Army Regulations
ARNG	Army National Guard
BMP	Best Management Practice
CEQ	Council for Environmental Quality
CFMO	Construction and Facilities Management Office
CPX	Command Post Exercise
DA	Department of Army
DBH	Diameter at Breast Height
DOD	Department of Defense
DoDI	Department of Defense Instruction
EA	Environmental Analysis
EMS	Environmental Management System
ENV	Environmental Office (of the TNARNG)
EO	Executive Order
EPA	U.S. Environmental Protection Agency
FFT2	Firefighter Type 2 (wildland fire fighter NWCG standards)
FMO	Facilities Maintenance/Engineering Office (of the TNARNG)
FONSI	Finding of No Significant Impact
FTX	Field Training Exercise
GIS	Geographic Information System
GPS	Global Positioning System
ICRMP	Integrated Cultural Resources Management Plan
INRMP	Integrated Natural Resources Management Plan
IPMP	Integrated Pest Management Plan
IPP	Invasive Pest Plant
ISO	International Standard Organization
ITAM	Integrated Training Area Management
LCES	Lookouts, Communications, Escape Routes, and Safety Zones
LCTA	Land Condition Trend Analysis (now RTLA)
LRAM	Land Rehabilitation and Maintenance
METL	Mission Essential Task List
MOA	Memorandum of Agreement
MOSQ	Military Occupational Skill Qualification
MP	Military Police
MSL	Mean Sea Level
NAAQS	National Ambient Air Quality Standards
NCVS	North Carolina Vegetation Survey
NEPA	National Environmental Policy Act
NFDRS	National Fire Danger Rating System
NFPA	National Fire Protection Act
NGB	National Guard Bureau

NGB-ARE	National Guard Bureau - Director of Environmental Programs
NGB-ARI	National Guard Bureau - Director of Engineering
NGB-ART	National Guard Bureau - Director of Operations, Training, and Readiness
NPS	Non-Point Source Pollution
NRM	Natural Resources Manager (of the TNARNG)
NWCG	National Wildfire Coordinating Group
NWS	National Weather Service
NWSG	Native Warm Season Grasses
O&M	Operations and Maintenance
POTO	Plans, Operations, and Training Officer (of the TNARNG)
PPE	Personal Protective Equipment
PPK	Projectile Point/Knives
REC	Record of Environmental Consideration
ROA	Report of (Timber) Availability
RTE	Rare, Threatened, or Endangered Species
RTLA	Range and Training Land Assessment (previously LCTA)
RTLPL	Range and Training Land Program
SAIA	Sikes Act Improvement Act of 1997
SHPO	State Historic Preservation Office
SITE	Training Site personnel (of the TNARNG)
SJA	Staff Judge Advocate
SMZ	Streamside Management Zone
SOP	Standard Operating Procedure
SPCC	Spill Prevention, Control, and Countermeasure
SRA	Sustainable Range Awareness
SRP	Sustainable Range Program
STEP	Status Tool for Environmental Program
SWPPP	Storm Water Pollution Prevention Plan
TA	Training Area
TACF	The American Chestnut Foundation
TAG	The Adjutant General
TDEC	Tennessee Department of Environment and Conservation
TDF	Tennessee Division of Forestry
TNANG	Tennessee Air National Guard
TNARNG	Tennessee Army National Guard
TNC	The Nature Conservancy
TN-EPPC	Tennessee Exotic Pest Plant Council
TRI	Training Resources Integration
TVA	Tennessee Valley Authority
TWRA	Tennessee Wildlife Resources Agency
USACE	United States Army Corps of Engineers
USAEC	United States Army Environmental Center
USDA	United States Department of Agriculture

USFS	United States Forest Service
USFWS	United States Fish and Wildlife Service
USGS	United States Geologic Service
VFD	Volunteer Fire Department
VOC	Volatile Organic Compounds
VTs-M	Volunteer Training Site -- Milan
WFMP	Wildland Fire Management Plan

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## EXECUTIVE SUMMARY

This Revised Integrated Natural Resources Management Plan (INRMP), which is required by the Sikes Act, as amended (16 U.S.C. 670a et seq.), has been developed for use by the Tennessee Army National Guard (TNARNG) to provide guidance on the protection of natural resources at the Volunteer Training Site – Milan (VTS-M) for the next five years (FY2011-2015). The original VTS-M INRMP was implemented in 2002. As the natural resources management program developed, it was determined that the original INRMP format was not serviceable. Therefore, a revision of formatting and information was undertaken for this second iteration. Cooperating agencies were contacted in 2005 and informed of the TNARNG intent to revise the INRMP for the VTS-M (Appendix B). At this time, TNARNG requested input from both the United States Fish and Wildlife Service (USFWS) state field office and from the Tennessee Wildlife Resources Agency (TWRA); no objections were raised from either organization toward the prospect of developing a complete revision of the existing INRMP. Therefore, the formal five year review for operation and effect was incorporated into the revision process. In accordance with §670a(2) of the Sikes Act, approval of the INRMP has been noted in writing by the U.S. Fish and Wildlife Service and the Tennessee Wildlife Resources Agency (Appendix B).

The primary purpose of natural resources management at VTS-M is to support the military training mission. The purpose of this INRMP is to ensure that natural resource conservation measures and military activities on mission lands are integrated and consistent with responsible stewardship and environmental compliance. This INRMP was prepared in accordance with the Sikes Act, as amended; Army Regulation (AR) 200-1 – Environmental Protection and Enhancement; and Department of Defense Instruction (DoDI) 4715.3 – Environmental Conservation Program.

The National Environmental Policy Act (NEPA) of 1969 dictates that planners of public actions using federal monies, such as those on military installations, shall consider the environmental impacts and effects of “major federal actions.” Section 1508.18 in the Council for Environmental Quality (CEQ) regulations lists the adoption of a formal Integrated Natural Resource Management Plan as a major federal action. The environmental impacts of the significant actions involved in the implementation of this revised INRMP have been effectively assessed in two previous Environmental Assessments (EAs): the EA (2001) for the original iteration of the VTS-Milan INRMP covers the bulk of the revised INRMP actions, and the EA (2010) for the VTS-M Forest Management Plan covers the forest management plan and wildland fire management plan added to this revision as annexes 1 and 2. For this reason it was determined that a Record of Environmental Consideration (Appendix A) was sufficient review and analysis to meet the requirements of the NEPA.

The goals of this INRMP are:

- To describe the training site and its physical natural resources;
- To describe the military mission, potential effects of the mission on natural resources at the training site, and options for resolving conflicts between the military mission and natural resources management;
- To show the status of baseline inventories of natural and cultural resources and monitoring requirements for environmental compliance ;
- To present goals for the management of the site’s natural resources and tasks designed to achieve those goals;

- To recommend revegetation and erosion control techniques to maintain stable soils and ensure high-quality water resources and training opportunities; and,
- To provide management guidelines that will be effective in maintaining and improving the sustainability and biological diversity of terrestrial and aquatic ecosystems on the training site and that will support the military training mission through integrated, cooperative, and adaptive management.

Benefits to the military mission include improved maneuver lands and better distribution of military activities at VTS-M. This plan will enhance mission realism through more options for training as well as more intensive planning of missions. It will also enhance long-range planning efforts at VTS-M. Benefits to the environment include reduced soil erosion and vegetation loss, improvement of water-quality in wetland and riparian ecosystems, and an increase in overall knowledge of the operation of the ecosystems on VTS-M through surveys and monitoring.

This document begins with a description of the subjects: mission and facility details are outlined in Chapter Two, while specifics of the physical environment at VTS-M are presented in Chapter Three. Chapter Four addresses the management goals for VTS-M according to the resource categories specified by the Sikes Act and the projects designed to meet those goals. Chapter Five presents guidelines intended for management and training activities as they relate to natural resources protection.

The eight Appendices of this document contain supplemental material, including NEPA documentation, additional biological data, and records of the annual review process. Three detailed management plans are included as annexes to this document: the Forest Management Plan, Wildland Fire Management Plan, and Invasive Pest Plant Control Plan. Additional management plan annexes may be developed for other activities as needed.

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