

Military Mobility and Land Classification System at Army National Guard Maneuver Training Center-Fort Pickett, March 2003

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Abstract Army National Guard Maneuver Training Center-Fort Pickett (ANGMTC-FP) is located in the lower piedmont of southeastern Virginia near the town of Blackstone. The mission of ANGMTC-FP is to provide a Maneuver Training Center capable of handling up to Brigade size elements for live fire and maneuver training for Army Reserve Components and Active Components of all services. The environmental factors, slope, vegetation structure, wetlands, endangered species, and cultural resources were modeled in a GIS, using ArcGIS 8.2, Spatial Analyst. MMLCS uses the GIS to classify areas as "Go", "Slow Go", or "No Go" within heavy tracked, light tracked, heavy wheeled, and light wheeled vehicle classes. MMLCS is a valuable tool and will prove extremely useful in planning future range and training land development projects at ANGMTC-FP. In addition, natural resource managers can use the MMLCS to manipulate training land in areas that will enhance vehicle mobility while preserving ecosystem integrity.