

# Cultural Resources Protocol for Coordination with the Integrated Training Area Management Program

## Objectives

**T**HE MAINTENANCE AND MANAGEMENT of historic properties requires up-to-date and consistent mapping of such properties to maintain ideal operating efficiency. A high degree of mapping accuracy is imperative to ensure that land is inventoried thoroughly and that no inefficiencies arise from duplication of effort. The Integrated Training Area Management Program (ITAM) houses all data regarding inventory surveys, protected properties listed on the National Register of Historic Places, and other areas related to environmental management. The ITAM facilities are housed at Fort Bragg's Natural Resources Branch. The GIS manager and coordinator, (910) 396-2510, manages all spatial data pertaining to Fort Bragg's training mission and the management of its environmental and natural resources, the exceptions being locational data requiring confidentiality under Federal law. ITAM maintains two GIS workstations, both stations running Arc INFO and ArcView, two Trimble TSC1 Asset Surveyor GPS receiving units, and one high-resolution, large format printer plotter. Among its many services and functions, ITAM provides cartographic production, data management, and DGPS support to the Cultural Resources Program (CRP). ITAM also provides limited computer technical support for GIS personnel in the CRP. Through coordination with ITAM, the CRP more efficiently manages the allocation of resources through better determination of projects area that coincide with high-frequency military training locations, better monitoring practices of maintenance on historic structures, and better monitoring of Potentially Eligible archeological sites, which are signed and protected.

## Procedure

Maps are required for four major purposes within the CRP; for general purposes, for spatial analysis and modeling, for reporting, and used for commercial contractor assignments. ITAM provides maps for CRP for general-purpose uses, including the assessment and management of military training requests, for use as a general cartographic office reference for site location and survey parcel confirmation, and to use as a public education tool for military and civilian personnel. Shapefile coverages, digitized by the CRP, are transferred electronically to ITAM, who convert those shapefiles into Arc INFO coverage files. ITAM uploads these coverages to the Fort Bragg GIS server where they are available to all land management activities for use during project planning. ITAM is responsible for the maintenance and running of the GIS server and writing the metadata that resides there. The CRP updates survey coverages with ITAM on a project-by-project basis, in order that Range Control have access to the most current survey coverages to facilitate and expedite training requests for military units.

To request cartographic support from ITAM, the CRP list specific cartographic details desired, such as scale, specific layers or their attributes, graphs highlighting any particular phenomena of interest, or text reports that describe the spatial aspect of those layers being mapped. Completion time for CRP map requests from ITAM are typically from one to two days, delays dependent upon military requests.

To facilitate clear communications between all land management activities of Fort Bragg, CRP personnel attend semi-monthly meetings with ITAM, CAD Division representatives, Environmental and Natural Resource Division representatives, and other Fort Bragg stakeholders. These representatives affect policy on software purchases, hardware purchases, the purchasing of class time in software and hardware training seminars, data access and security, and many other issues that insure that the training mission and management of resources do not impede or conflict with one another.