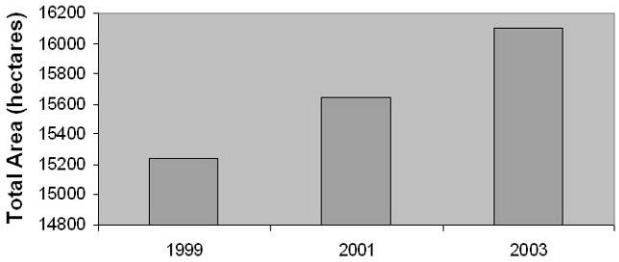
PROJECT SUMMARY SHEET: DEFENSE

Project Name:
Feature Analyst® Urban Encroachment Analysis of Fort Benning, Georgia

Organization:
U.S. Army Engineer Research & Development Center (ERDC)



Urban growth increased 2.54% from 1999 to 2001 and 2.83% from 2001 to 2003.

Highlights:

- Accurately and quickly extracted urban features
- Provided an easy method of comparing output over time
- Very simple to learn and implement

Project Summary:

U.S. Army ERDC officials recently completed a study to determine the location and extent of urban sprawl near the Fort Benning military installation in Georgia. ERDC examiners used Feature Analyst to perform semi-automated urban delineations from three sets of time-series Landsat 7 data, collected December 1999, January 2001 and January 2003. The study revealed a perpetual increase in urban growth occurring near the installation.

Feature Analyst accomplished the desired feature collections and helped illustrate the extent and location of urban expansion. The use of Feature Analyst and its ability to recognize features effectively enabled the research team to assess the situation accurately so that preventative measures could be established. The report concluded that Feature Analyst provided "an easy way to extract urban features from satellite imagery," and that the software was "user-friendly" and "produced results quickly."

Reference:
Sam S. Jackson & Scott G. Bourne, U.S. Army ERDC
Automated Procedure to Monitor Urban Encroachment Over Time on Fort Benning Military Installation

Download your FREE Feature Analyst evaluation and tutorial at www.featureanalyst.com.

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