

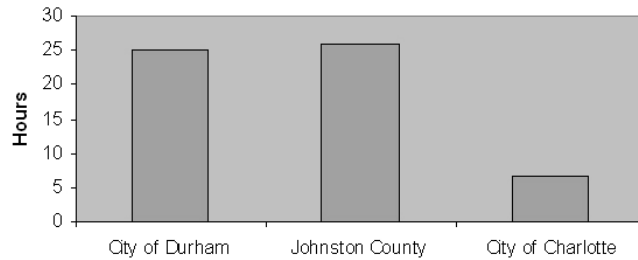
PROJECT SUMMARY SHEET: LOCAL GOVERNMENT

Project Name:

Comparison of Pervious and Impervious Feature Classification using Feature Analyst Versus Traditional Extraction Methods

Organization:

North Carolina Center for Geographic Information and Analysis



Feature classification time per square mile of imagery using hand-digitizing (first two) versus Feature Analyst (third).

Highlights:

- Cost savings of up to \$2,450
- Timesavings of up to 20 hours per square mile.
- Simple and easy to use

Project Summary:

North Carolina CGIA recently used Feature Analyst to classify pervious and impervious surfaces in order to explore the viability of using an automated feature extraction (AFE) approach. Remote Sensing Program Manager Frank Obusek acknowledged that traditional feature classification methods provided poor detail, were time intensive, and were too costly. Feature Analyst, on the other hand, answered the difficult problem of classifying impervious surfaces such as buildings and roads using an automated approach to feature extraction.

According to Obusek, existing manual collection of impervious surfaces took substantially longer than using the Feature Analyst software. He highlighted Feature Analyst's ability to apply the Learner File developed in one extraction to multiple images in a batch classification process providing "big time savings." North Carolina CGIA has continued to use Feature Analyst, reporting successful results on its latest pervious/impervious classification projects.

Reference:

Frank Obusek, North Carolina CGIA
The Impervious Surface Problem, presented at the ASPRS Conference, March 2005, and North Carolina GIS Conference, March 2005



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

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