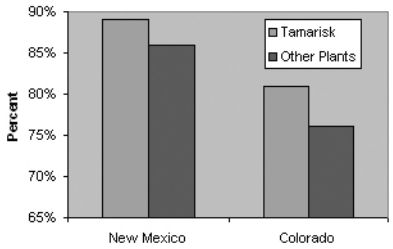
PROJECT SUMMARY SHEET: ENVIRONMENT

Project Name:
Feature Analyst used to Map Invasive Tamarisk Trees

Organization:
Native Communities Development Corporation



Feature Analyst extracted Tamarisk at 89% and 81% accuracy in NM and CO.

Highlights:

- Classification accuracy better than 80%
- Positive results obtained after only one iteration
- Simple intuitive classification workflow

Project Summary:

In an effort to manage the spread of Tamarisk, a non-native shrub that has overrun the banks of the Arkansas River, government agencies in Kearney County, Kansas, recruited NCDC to survey the infested area. NCDC responded quickly with the help of Feature Analyst and QuickBird imagery to assess 32 miles of the threatened riverbank. According to the NCDC report, "The high spatial resolution of these data sets seemed to fit perfectly with the Feature Analyst workflow and analytical capabilities. Feature Analyst allowed for a simplified, intuitive classification workflow."

The severity of the plant influx demanded a swift response, and NCDC found the automated feature extraction (AFE) capability of Feature Analyst to be advantageous over traditional hand-digitizing methods because of the software's speed and reliability. After classifying the region of interest with Feature Analyst, NCDC showed that Tamarisk and other vegetation types can be successfully mapped and monitored using earth imagery and advanced feature extraction techniques available in Feature Analyst.

Reference:
Jason San Souci, NCDC
Tamarisk Mapping & Monitoring Using High Resolution Satellite Imagery

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

Visual Learning Systems, Inc. | P.O. Box 8226 | Missoula, MT 59807 | phone: 1.866.YOURVLS | email: sales@vls-inc.com | www.vls-inc.com