

## STORMWATER TREATMENT AREAS VEGETATIVE MAPPING 2004-2006



### **Project Description**

For three consecutive years, Scheda's photointerpreters have completed projects for SFWMD involving the mapping of the Stormwater Treatment Areas (STA) vegetation from large-scale (1:6,000) color infrared aerial photography (CIR) and 1:12,000 CIR. Scheda scientists photointerpreted CIR aerial photography for different vegetation and water regime photographic signatures. STAs 2, 5, and 6 were photointerpreted in 2004; STAs 3/4, 1 West, and 1 East, were mapped for the 2005 and 2006 iterations.

To properly identify the various CIR signatures on the photography, ground-truthing field studies were conducted to gather information on the vegetative species present in each STA. During field studies, spatial and non-spatial data was collected including: GPS coordinate locations of the various signatures, the vegetation species present, and condition of the vegetation. For the 2004 and 2005 mapping efforts, Scheda's scientists developed a project specific photointerpretation key for 39 different classifications. This key aided the scientist's in their interpretation of the CIR signatures during the photointerpretation process. For the 2006 mapping effort, the previous classification key was greatly simplified to better suit the client's end need for trend analysis.

