

# FLOW MONITORING ASSISTANCE SOUTH FLORIDA WATER MGT.



## INTRODUCTION

As part of Cargill's phosphate mine expansion efforts they contracted with Environmental Consulting and Technology, Inc. (ECT) to prepare and file the necessary permit applications. As part of the permitting requirements ECT was required to install long-term environmental monitoring stations. These monitoring stations are required to collect background data, data during operations, and post mining data. ECT selected Sutron to provide system design and support services.

## PROJECT SCOPE

Sutron meet with ECT to determine their data collection requirements. From this meeting Sutron designed a complete system that included:

- Complete Meteorological Monitoring Stations
- Gauging Monitoring Stations
- VHF Radio Telemetry Network Engineering Services
- FCC Licensing Services
- Application Development
- Microsoft SQL Server Deployment and Configuration

ECT's personnel under the supervision of Sutron's engineering staff installed the resulting solution. Sutron then tested all components after the completed installation effort. Network connectivity to ECT's Tampa office was facilitated via leased line telephone with the operation of data collection system scheduled to be turned over to Cargill after the permit application is processed.



OWNER: Environmental Consulting Technology, Inc.

CONTACT: Ron Thomas

NUMBER: 813-289-9338

DATE: January 2005 to September 2005

TOTAL: \$69,000

S  
U  
T  
R  
O  
N