



### Geographic Decisions

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| <b>Project:</b>  | <b>GPS data collection for irrigation system</b>                               |
| <b>Location:</b> | Palm Springs, California   |
| <b>Client:</b>   | Porcupine Creek Golf Course, CA<br>71534 Sahara Rd.<br>Rancho Mirage, CA 92270 |
| <b>Contact:</b>  | Mr. Michael Jay – (760) 250-0594   |
| <b>Duration:</b> | September 2000-August 2000   |

IGIST was contracted to perform GPS data collection for the new Porcupine Creek Golf Course in Palm Springs. It is essential to know precise acreages for different types of turf that determine the quantities of fertilizer, seed, and water that are applied by maintenance crews. Trimble submeter GPS positions were exported to ArcView GIS maps with irrigation valve locations and turf acreages. According to the course superintendent, "The new acreage tables showed that we overestimated our turf by 9 acres and saved us \$5000 in our first seeding." IGIST provided data and instruction on the use of ArcExplorer for further query.

#### **Key Personnel:**

**Andres Abeyta**  
GPS Mapping  
GIS data creation  
Cartography

#### **Key Components:**

- GPS Field Mapping
- Cartographic design
- Hard copy plotting

