

Keys (suggestions) **14. Skim the text and underline the keywords or key sentences of each paragraph**

Advertisement from *GIS Europe. Europe's Geographical Information Systems magazine*. Vol. 2, number 6. July 1993.

"Our GIS base-mapping project required high accuracy at a low cost.
Magellan GPS came through like a Pro."

The assignment: Construct a county-wide GIS base map for Gilchrist County, Florida (354 sq. miles). The project was assigned to Art Allen and Charlie Fleming who devised an economical and efficient way to achieve the desired results utilizing existing planimetric grids and GPS.

Art and Charlie's first order of business was to find a low-cost GPS solution. "We took a close look at the Magellan NAV 5000 PRO" because it was the lowest cost GPS receiver which claimed to do everything the job required, including sub-meter accuracies. We weren't real sure at first, because the PRO cost so much less than others, we thought it sounded too good to be true".

To confirm their selection of the NAV 5000 PRO, Art and Charlie put it through the paces. "We tested the PRO against known NGS points to see if it was really to as accurate as Magellan claimed. It was. We got accuracies from 18 to 70 meters! We were off and running to complete the project".

Exceptional carrier phase sub-meter accuracy wasn't the only benefit of the NAV 5000 PRO. It was easy to use, and its rugged, waterproof, portable design let them take the PRO wherever it was needed, even in inclement weather including heavy fog and rain. When convenient, the PRO ran on external power. When they had to pack into a site, the 10-hour internal battery operation was a real plus.

"We were really pleased with the PRO's accuracy and impressed with the time on point it saved us. Because the PRO gave us the reading every second, we gathered all the data we needed for sub-meter differential accuracy in 10-minute observations".

"We've got to say the project was a real success. The PRO helped us complete it on time and well within budget. It did such a good job for us and Gilchrist County, we were asked by neighboring Levy County to do the same for them. Although it was 1,180 square miles, we knew the PRO would make getting the job done easy. And it did".