

NATIONAL TRANSPORTATION SAFETY BOARD

Office of Aviation Safety
Washington, D.C. 20594

September 24, 2019

Global Positioning System

**Factual Report
By Heidi Kemner**

1. EVENT SUMMARY

Location: Jay, Florida
Date: August 13, 2019
Aircraft: Cessna 172K
Registration: N84287
NTSB Number: ERA19LA246

2. DETAILS OF INVESTIGATION

On August 13, 2019, about 1200 central daylight time, a Cessna 172K, N84287, was substantially damaged when it collided with power lines and terrain near Jay, Florida. The commercial pilot sustained serious injuries. The airplane was registered to and operated by a private individual under the provisions of Title 14 Code of Federal Regulations as a Part 91 repositioning flight. Visual meteorological conditions prevailed, and no flight plan was filed for the flight that departed Brewton Municipal Airport (12J), Brewton, Alabama, about 1145 and was destined for Pensacola International Airport (PNS), Pensacola, Florida.

The following device was downloaded:

Device Manufacturer/Model: Garmin GPSmap 496
Serial Number: 19700100

2.1. Data Recovery

The device exhibited minor damage and was downloaded normally using the manufacturer's software. Figures 1 and 2 show the front and back of the device.

Figure 1. Photo of undamaged device.



Figure 2. Photo of back of device.



2.2. Data Description

The data extracted included 8 track logs from August 12, 2019, through the accident flight, which began at 11:40:20 and ended at 11:51:41 on August 13, 2019.

Figure 3. Graph of GPS Data

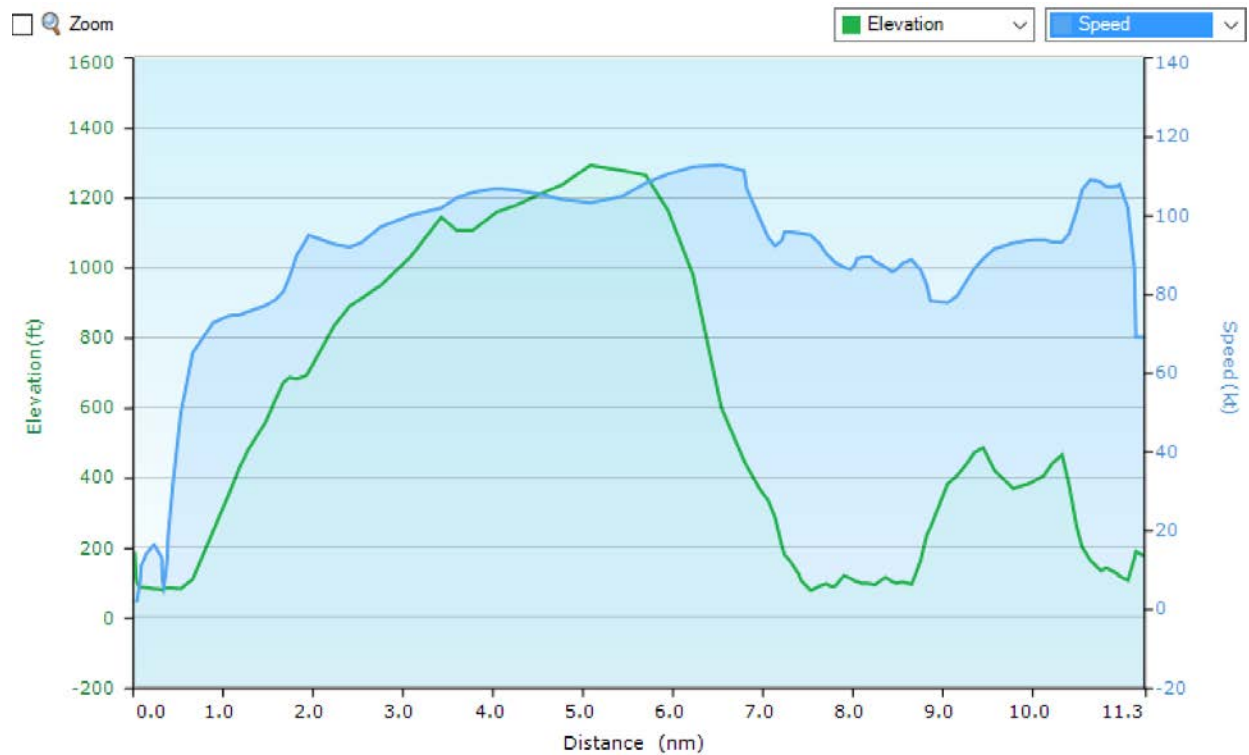
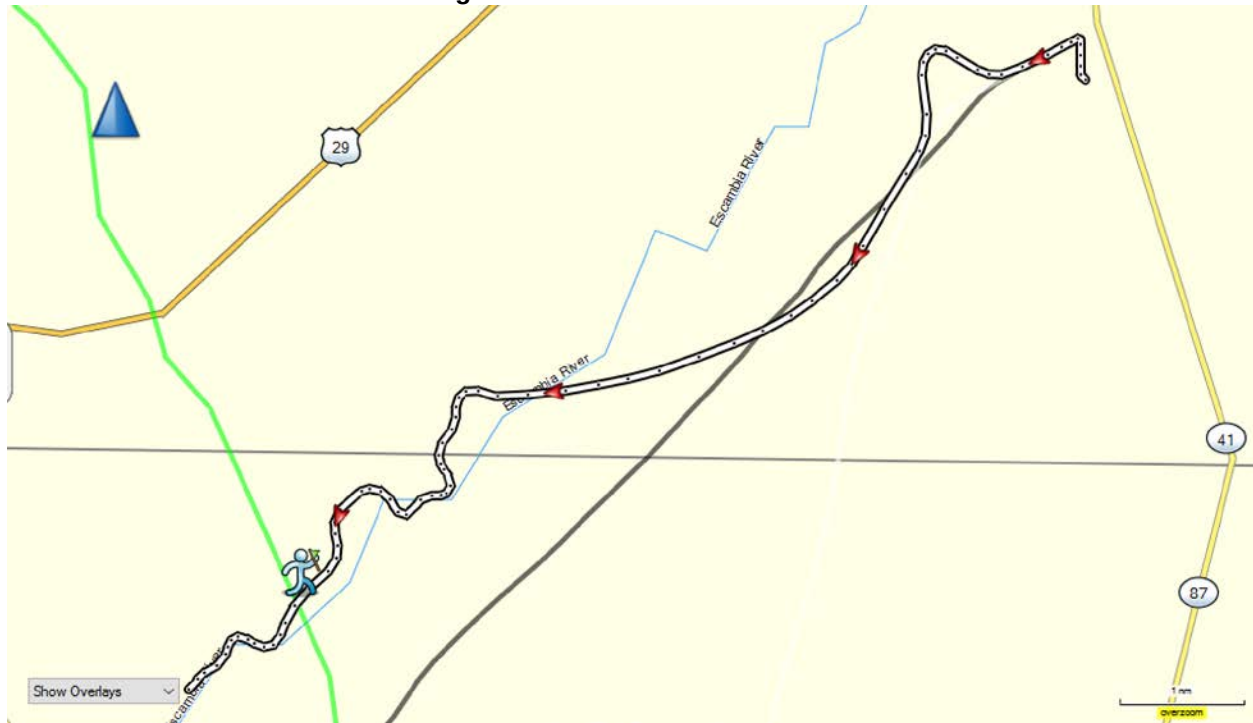


Figure 4. Overview of GPS Data



2.3. TABULAR DATA

Tabular data are included as Attachment 1. This attachment is provided in electronic comma-delimited (.CSV) format.

2.4. KMZ DATA DEPICTED IN GOOGLE EARTH©

Google Earth© screen captures are included as Attachment 2.