

NATIONAL TRANSPORTATION SAFETY BOARD

Office of Aviation Safety
Washington, D.C. 20594

June 1, 2019

GPS Factual Report

By Noreen Price

1. EVENT SUMMARY

Location: Nome, Alaska
Date: April 5, 2019
Aircraft: Cessna 185
Registration: N5163E
Operator: National Park Service
NTSB Number: **ANC19TA017**

2. DETAILS OF INVESTIGATION

The following device was downloaded:

Device Manufacturer/Model: Garmin GPSmap 296
Serial Number: Unknown

2.1. Data Recovery

The device was undamaged and downloaded normally using the manufacturer's software. Figure 1 shows the front and back of the device.

Figure 1. Photos of undamaged Garmin GPSmap 296



2.2. Data Description

The data extracted included four active logs that were recorded on April 15, 2019. Log 12 included the entire accident flight of 52 minutes that began recording at 0808:02 ADT and ended at 0900:21 and had 251 data points. There were three more data logs recorded after the accident that indicated no movement. The last complete data point indicated 1,552 ft elevation, 43 knots ground speed, tracking 300° true.

2.3. Tabular Data

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

2.4. Mapping

Figure 2 shows the GPS track of the flight on a Google Earth image. Figure 3 shows the end of the GPS track data that was recorded in a three-dimensional format on a Google Earth map. Figure 4 shows the track on a VFR Sectional chart.



Figure 2. GPS track displayed in red on Google Earth image.



Figure 3. The end of the GPS track.

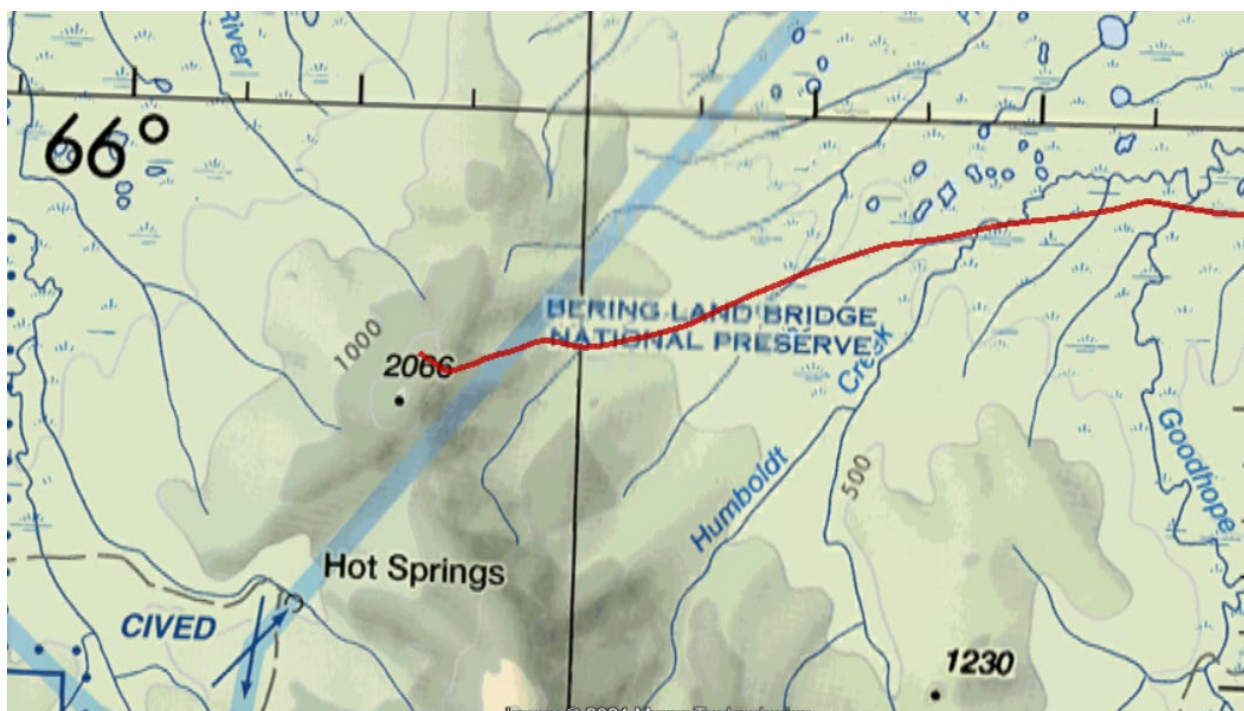


Figure 4. The end of the GPS track (red) on VFR Sectional.