

NATIONAL TRANSPORTATION SAFETY BOARD

Office of Aviation Safety
Washington, D.C. 20594

November 2, 2020

Global Positioning System

Factual Report
By Noreen Price

1. EVENT SUMMARY

Location: Nuiqsut, Alaska
Date: May 14, 2020
Aircraft: Cessna A185F Airplane
Registration: N5454E
Operator: Webster's Flying Service
NTSB Number: ANC20LA046

2. DETAILS OF INVESTIGATION

On May 14, 2020, about 2200 Alaska daylight time, a Cessna A185F, N5454E sustained substantial damage when it was involved in an accident about 72 miles northwest of Nuiqsut, Alaska. The commercial pilot was fatally injured, and the passenger sustained serious injuries. The airplane was operated as a Title 14 *Code of Federal Regulations* Part 135 on-demand passenger flight.

The following device was downloaded on July 17, 2020.:

Device Manufacturer/Model: Garmin GPSmap 296
Serial Number: 10R-022492

2.1. Data Recovery

The device was undamaged and was 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 78 active logs dated from February 8, 2000 to September 28, 2000. Airlog 69 was determined to correspond to the last flight that ended near the accident site. The date and time set into the unit did not correspond to actual time. The date indicated during the download was September 28, 2000, 22:00:00, and local Alaska daylight time (ADT) was July 17, 2020, 1551:45. There was a total of 28 data points recorded in active log 069. The accident flight data recordings starting on 28 September, 2000, at 2151:21 and ended at 2154:37 ADT.

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 from the accident flight as an overlay to 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.

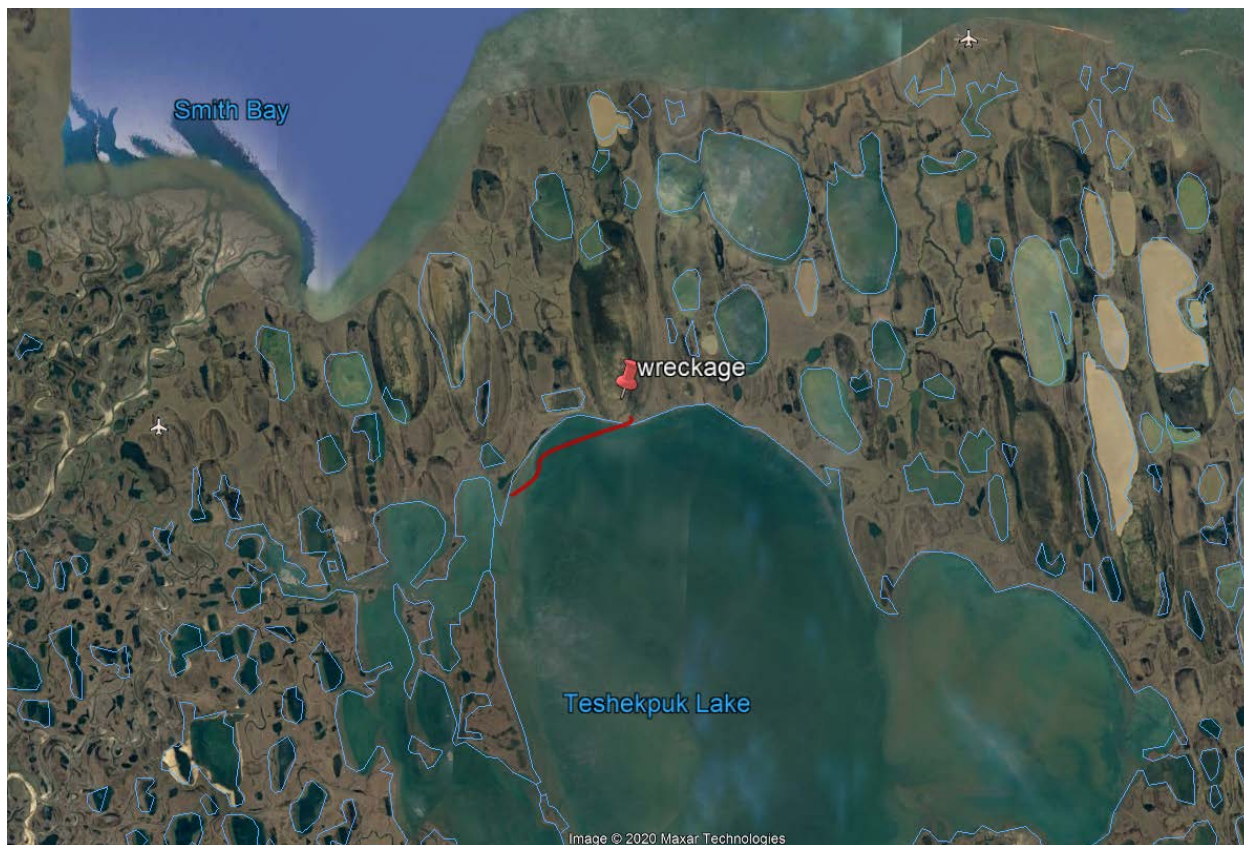


Figure 2. GPS track displayed on a Google Earth image.



Figure 3. The end of the GPS track.