

NATIONAL TRANSPORTATION SAFETY BOARD

Vehicle Recorder Division
Washington, D.C. 20594

March 17, 2022

Electronic Device

Specialist's Factual Report By Gerald Kawamoto

1. EVENT SUMMARY

Location: Fairfield, California
Date: June 2, 2020
Aircraft: Bell 206L-3
Registration: N65PJ
Operator: PJ Helicopters Inc
NTSB Number: WPR20LA163

2. GROUP

A group was not convened.

3. DETAILS OF INVESTIGATION

The National Transportation Safety Board (NTSB) Vehicle Recorder Division received the following electronic device:

Device Manufacturer/Model:	Guardian Mobility G4
Serial Number:	1017IG4138E

3.1. Device Description

The Guardian Mobility G4 is a real-time tracking and two-way messaging device utilizing Iridium data communications.

3.1.1. Device Condition and Data Recovery

Upon arrival at the Vehicle Recorder Laboratory, an examination revealed the unit had sustained minor impact damage, as shown in Figure 1. According to the manufacturer, the device does not store data in non-volatile memory. Information on the device was provided to the manufacturer and the manufacturer retrieved and provided data from the device's Satellite communication history. Figure 2 is a Google Earth overlay showing various data points retrieved from the device's satellite communication history from its last power-on cycle on June 2, 2020, Coordinated Universal Time (UTC). Data points were provided once every 2 minutes. The final data point was at about 1952 Coordinated Universal Time (UTC), and the reported time of the event was at about 2027 UTC. Tabular data is provided as Attachment 1 to this report in comma separated value format (.csv).



Figure 1. Guardian Mobility G4 as received.



Figure 2. Google Earth overlay of various data points. The reported wreckage location is shown with a red pin.