



NATIONAL TRANSPORTATION SAFETY BOARD

Office of Aviation Safety
Western Pacific Region

Sep 17, 2016

ACCIDENT SITE SUMMARY

WPR16FA183

A. ACCIDENT

Location: Gilbert, Arizona
Date: September 17, 2016
Aircraft: Cessna 182P, N20844, Serial #: 182261251
NTSB IIC: Albert Nixon

B. EXAMINATION PARTICIPANTS:

Albert Nixon
Aviation Accident Investigator
National Transportation Safety Board
Federal Way, WA 98003

Christopher Kennedy
Aviation Safety Inspector
Federal Aviation Administration
Scottsdale, Arizona 85255

C. SUMMARY

Examination of the accident site was conducted on September 17 and 18, 2016, at the residence of [REDACTED] in Gilbert, Arizona, at an elevation of about 1247 ft. The house and airplane were mostly consumed by the post impact fire.

D. DETAILS OF THE INVESTIGATION

Examination of the accident site by the NTSB investigator-in-charge revealed that the airplane penetrated through the roof of a single-story residential house about in the middle of the back half of the house. A postimpact fire ensued, which consumed most of the airplane and interior of the house. The airplane impacted the residence at a steep nose down angle. All major components of the airplane were contained within the wreckage site. Most of the wreckage debris was scattered in the back half of the house and backyard. Behind the backyard fence there was an open field.

The majority of both wings were located in the backyard. The wings sustained thermal damage and substantial leading-edge compression damage was observed. The engine and parts of the propeller dome were located at the point of impact on the ground. The propeller blades had both separated and exhibited torsional twisting about mid-span. Flight control continuity was unable to be established due to the extensive thermal damage sustained. The instrument control panel and cabin area were mostly consumed by the postimpact fire. Following the on-scene examination, the airplane wreckage was recovered to a secure facility for further examination.



Figure 1: Interior of house where airplane impacted.



Figure 2: Top view of house damage.



Figure 3: Grass field beyond the backyard fence.

Submitted by: Albert Nixon