



National Transportation Safety Board Aviation Accident Factual Report

Location:	Mazama, WA	Accident Number:	SEA04LA134
Date & Time:	08/01/2004, 1430 PDT	Registration:	N7815Z
Aircraft:	Cessna 150C	Aircraft Damage:	Substantial
Defining Event:		Injuries:	1 Serious, 1 Minor
Flight Conducted Under:	Part 91: General Aviation - Personal		

On August 1, 2004, approximately 1430 Pacific daylight time, a Cessna 150C, N7815Z, lost altitude and struck trees during the initial takeoff climb from the Lost River Resort Airport, Mazama, Washington. The airplane sustained substantial damage, the private pilot received serious injuries, and the passenger received minor injuries. The airplane was being operated by the pilot under the provisions of Title 14, CFR Part 91 when the accident occurred. Visual meteorological conditions prevailed, and no flight plan was filed. The flight was originating at the time of the accident with an intended destination of Arlington Municipal Airport, Arlington, Washington.

According to a report prepared by a deputy with the Okanogan County Sheriff's Office, who responded to the accident site, the pilot told the deputy that he was taking off in the airplane on runway 29 and "could not get lift and clear the trees at the end of the runway." The deputy reported that he did not see any indication the airplane hit the trees located at the end of the runway, but actually cleared those trees, then descended, contacted the ground and slid about 40 feet into another group of trees. The airplane came to rest about 150 yards from the departure end of the runway. The deputy reported that the temperature was 92 degrees Fahrenheit (F), the humidity was 23%, and the wind was from the north at about 6 mph.

In a telephone interview conducted by the NTSB investigator-in-charge on August 3, 2004, the pilot stated that he noted no problems with the airplane during the preflight inspection and the engine runup. After liftoff, the airplane climbed to treetop level, at which point a gust of wind pushed the airplane left towards the trees bordering the runway. The pilot had to bank the airplane to avoid the trees, and the airplane stopped climbing. After "barely clearing" the trees at the end of the runway, the pilot elected to put the airplane back on the ground as he was concerned the airplane might not clear trees located further ahead. He selected a streambed as an emergency landing site. During the emergency landing, the airplane contacted trees along the edge of the streambed.

The pilot reported that the temperature was 88 degrees F and the winds were from 300 degrees at 3 knots. The pilot did not recall the current altimeter setting. At 1453, the nearest weather reporting station, located at Omak, Washington approximately 41 nautical miles east

of the accident site, reported an altimeter setting of 29.74 inches. Using the airport elevation of 2,415 feet, a temperature of 88 degrees F, and an altimeter setting of 29.74 inches, the density altitude was calculated as 5,048 feet.

Pilot Information

Certificate:	Private	Age:	38, Male
Airplane Rating(s):	Single-engine Land	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	Seatbelt
Instrument Rating(s):	None	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 3 Valid Medical--no waivers/lim.	Last FAA Medical Exam:	02/05/2004
Occupational Pilot:		Last Flight Review or Equivalent:	08/11/2003
Flight Time:	174 hours (Total, all aircraft), 122 hours (Total, this make and model), 114 hours (Pilot In Command, all aircraft), 14 hours (Last 90 days, all aircraft), 7 hours (Last 30 days, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Cessna	Registration:	N7815Z
Model/Series:	150C	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	No
Airworthiness Certificate:	Normal	Serial Number:	15059915
Landing Gear Type:	Tricycle	Seats:	2
Date/Type of Last Inspection:	100 Hour	Certified Max Gross Wt.:	1500 lbs
Time Since Last Inspection:	50 Hours	Engines:	1 Reciprocating
Airframe Total Time:	6293 Hours at time of accident	Engine Manufacturer:	Continental
ELT:	Installed	Engine Model/Series:	O-200A
Registered Owner:	John S. Gould Jr	Rated Power:	100 hp
Operator:	On file	Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:		Distance from Accident Site:	
Observation Time:		Direction from Accident Site:	
Lowest Cloud Condition:	Clear	Visibility	10 Miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	3 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	300°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:		Temperature/Dew Point:	31 °C
Precipitation and Obscuration:			
Departure Point:	Mazama, WA (W12)	Type of Flight Plan Filed:	None
Destination:	Arlington, WA (AWO)	Type of Clearance:	None
Departure Time:	1430 PDT	Type of Airspace:	Class G

Airport Information

Airport:	Lost River Resort (W12)	Runway Surface Type:	Grass/turf; Gravel
Airport Elevation:	2415 ft	Runway Surface Condition:	Dry
Runway Used:	29	IFR Approach:	None
Runway Length/Width:	3150 ft / 85 ft	VFR Approach/Landing:	Precautionary Landing

Wreckage and Impact Information

Crew Injuries:	1 Serious	Aircraft Damage:	Substantial
Passenger Injuries:	1 Minor	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	1 Serious, 1 Minor	Latitude, Longitude:	48.649444, -120.501944

Administrative Information

Investigator In Charge (IIC):	Georgia R Struhsaker
Additional Participating Persons:	Grant R Webb; FAA, Spokane FSDO; Spokane, WA
Investigation Docket:	NTSB accident and incident docket serve as permanent archival information for the NTSB's investigations. Dockets released prior to June 1, 2009 are publicly available from the NTSB's Record Management Division at pubinq@ntsb.gov , or at 800-877-6799. Dockets released after this date are available at http://dms.nts.gov/pubdms/ .