



National Transportation Safety Board Aviation Accident Factual Report

Location:	GALAX, VA	Accident Number:	BFO90DOA01
Date & Time:	08/01/1990, 1915 EDT	Registration:	N152RR
Aircraft:	BELL TH-1L	Aircraft Damage:	Substantial
Defining Event:		Injuries:	1 Minor
Flight Conducted Under:	Part 137: Agricultural		

Pilot Information

Certificate:	Commercial	Age:	48, Male
Airplane Rating(s):	None	Seat Occupied:	Left
Other Aircraft Rating(s):	Helicopter	Restraint Used:	Seatbelt, Shoulder harness
Instrument Rating(s):	Helicopter	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 2 Valid Medical--w/ waivers/lim.	Last FAA Medical Exam:	03/30/1990
Occupational Pilot:		Last Flight Review or Equivalent:	
Flight Time:	3698 hours (Total, all aircraft), 1600 hours (Total, this make and model), 3000 hours (Pilot In Command, all aircraft), 144 hours (Last 90 days, all aircraft), 48 hours (Last 30 days, all aircraft), 4 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	BELL	Registration:	N152RR
Model/Series:	TH-1L TH-1L	Aircraft Category:	Helicopter
Year of Manufacture:		Amateur Built:	No
Airworthiness Certificate:	Restricted	Serial Number:	157845
Landing Gear Type:	Skid	Seats:	2
Date/Type of Last Inspection:	07/20/1990, 100 Hour	Certified Max Gross Wt.:	9500 lbs
Time Since Last Inspection:	27 Hours	Engines:	1 Turbo Shaft
Airframe Total Time:	7739 Hours	Engine Manufacturer:	LYCOMING
ELT:	Not installed	Engine Model/Series:	T53-L-13B
Registered Owner:		Rated Power:	1400 hp
Operator:	RANGER HELICOPTERS SERVICES	Operating Certificate(s) Held:	
Operator Does Business As:		Operator Designator Code:	KWRG

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	ROA, 1176 ft msl	Distance from Accident Site:	68 Nautical Miles
Observation Time:	2150 EDT	Direction from Accident Site:	55°
Lowest Cloud Condition:	Thin Broken / 0 ft agl	Visibility	35 Miles
Lowest Ceiling:	None / 0 ft agl	Visibility (RVR):	0 ft
Wind Speed/Gusts:	6 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	360°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	30 inches Hg	Temperature/Dew Point:	28° C / 13° C
Precipitation and Obscuration:			
Departure Point:	HILLSVILLE, VA (HLX)	Type of Flight Plan Filed:	None
Destination:		Type of Clearance:	None
Departure Time:	0000	Type of Airspace:	Class G

Airport Information

Airport:		Runway Surface Type:	
Airport Elevation:	0 ft	Runway Surface Condition:	
Runway Used:	0	IFR Approach:	
Runway Length/Width:		VFR Approach/Landing:	Forced Landing

Wreckage and Impact Information

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

Administrative Information

Investigator In Charge (IIC): KENNETH R LEIGHTON

Additional Participating Persons:

Investigation Docket: NTSB accident and incident dockets 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/>.