



National Transportation Safety Board Aviation Accident Final Report

Location:	MEADVIEW, AZ	Accident Number:	LAX84FA421
Date & Time:	07/29/1984, 1020 PST	Registration:	N711KH
Aircraft:	FAIRCHILD HILLER FH-1100	Aircraft Damage:	Destroyed
Defining Event:		Injuries:	3 Fatal, 2 Serious
Flight Conducted Under:	Part 135: Air Taxi & Commuter - Non-scheduled		

Analysis

PURPOSE OF THE FLT WAS S SIGHTSEEING TOUR OF LAKE MEAD, HOOVER DAM AND THE WESTERN RIM OF THE GRAND CANYON. BEFORE REACHING THE CANYON THE FLT WAS TO TRAVEL OVER A 5500 FT MSL RIDGE. THE HELICOPTER CONTACTED A JUNIPER TREE AT THE BOTTOM OF A 3-SIDED CANYON AT 5020 FT MSL. EXAMINATION OF THE HELICOPTER AND ENG FAILED TO DISCLOSE ANY MECHANICAL FAILURE/MALFUNCTION.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be:

Findings

Occurrence #1: IN FLIGHT COLLISION WITH OBJECT
Phase of Operation: UNKNOWN

Findings

1. (C) CLEARANCE - MISJUDGED - PILOT IN COMMAND
2. OBJECT - TREE(S)

Factual Information

Pilot Information

Certificate:	Commercial	Age:	23, Male
Airplane Rating(s):	Single-engine Land	Seat Occupied:	Right
Other Aircraft Rating(s):	Helicopter	Restraint Used:	Seatbelt
Instrument Rating(s):	None	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	Yes
Medical Certification:	Class 1 Valid Medical--w/ waivers/lim.	Last FAA Medical Exam:	11/21/1983
Occupational Pilot:		Last Flight Review or Equivalent:	
Flight Time:			

Aircraft and Owner/Operator Information

Aircraft Manufacturer:	FAIRCHILD HILLER	Registration:	N711KH
Model/Series:	FH-1100 FH-1100	Aircraft Category:	Helicopter
Year of Manufacture:		Amateur Built:	No
Airworthiness Certificate:	Normal	Serial Number:	114
Landing Gear Type:	Skid	Seats:	5
Date/Type of Last Inspection:	11/13/1983, Annual	Certified Max Gross Wt.:	2750 lbs
Time Since Last Inspection:	93 Hours	Engines:	1 Turbo Shaft
Airframe Total Time:	4799 Hours	Engine Manufacturer:	ALLISON
ELT:	Not installed	Engine Model/Series:	250-C20B
Registered Owner:	BAUER HELICOPTERS, INC.	Rated Power:	420 hp
Operator:	BAUER HELICOPTERS, INC.	Operating Certificate(s) Held:	

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	, 0 ft msl	Observation Time:	0000
Distance from Accident Site:	0 Nautical Miles	Direction from Accident Site:	0°
Lowest Cloud Condition:	Unknown / 0 ft agl	Temperature/Dew Point:	26° C / 17° C
Lowest Ceiling:	Broken / 25000 ft agl	Visibility	50 Miles
Wind Speed/Gusts, Direction:	3 knots, 50°	Visibility (RVR):	0 ft
Altimeter Setting:	30 inches Hg	Visibility (RVV):	0 Miles
Precipitation and Obscuration:			
Departure Point:	LAS VEGAS, NV (LAS)	Type of Flight Plan Filed:	None
Destination:	LAS VEGAS, NV (LAS)	Type of Clearance:	None
Departure Time:	0943 PDT	Type of Airspace:	Class G

Wreckage and Impact Information

Crew Injuries:	1 Fatal	Aircraft Damage:	Destroyed
Passenger Injuries:	2 Fatal, 2 Serious	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	3 Fatal, 2 Serious	Latitude, Longitude:	

Administrative Information

Investigator In Charge (IIC):	M W FUNK II	Adopted Date:	
Additional Participating Persons:	F &G MOORE & ETTER; LAS VEGAS, NV L SCHAUSTAL; VAN NUYS, CA TOM SWIFT; LONG BEACH, CA		
Publish Date:			
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/ .		

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The Independent Safety Board Act, as codified at 49 U.S.C. Section 1154(b), precludes the admission into evidence or use of any part of an NTSB report related to an incident or accident in a civil action for damages resulting from a matter mentioned in the report.