



National Transportation Safety Board Aviation Accident Final Report

Location:	KETCHIKAN, AK	Accident Number:	SEA88LA043
Date & Time:	02/01/1988, 1329 AST	Registration:	N3689D
Aircraft:	BEECH 58P	Aircraft Damage:	Destroyed
Defining Event:		Injuries:	2 Fatal

Flight Conducted Under: Part 91: General Aviation - Personal

Analysis

ACFT COLLIDED WITH TREES 1400 FT SHORT OF RWY DURING ILS APPROACH. THE ACFT WAS LEFT OF CENTERLINE AND ABOUT 100 FT BELOW GLIDESLOPE AT THAT TIME. WITNESSES HEARD SOUNDS OF INCREASED POWER AND IMPACT. WHEN THE APPROACH CLEARANCE WAS GIVEN THE WX WAS 1000 FT CEILING, 2 MILES VISIBILITY IN FOG AND LIGHT SNOW. DURING THE APPROACH A SPECIAL WX OBSERVATION WAS RADIOED TO THE PLT CHANGING THE CEILING TO 800 FT BROKEN WITH WINDS CALM. THE PLT HAD FILED A FLT PLAN WITH TIME ENROUTE OF 3.5 HRS WITH 5 HRS OF FUEL ABOARD THE ACFT. THE ACTUAL TIME ENROUTE WAS OVER 4 HRS. THE ALTERNATE WAS 80 MILES FROM DESTINATION IN THE SAME GENERAL WX PATTERN. POST ACC INVEST SHOWED NO EVIDENCE OF ANY PRE-IMPACT FAILURES OR MALFUNCTIONS IN ACFT AIRFRAME, POWERPLANTS OR SYSTEMS.

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: APPROACH - FAF/OUTER MARKER TO THRESHOLD (IFR)

Findings

1. (F) OBJECT - TREE(S)
2. (C) PROPER GLIDEPATH - NOT MAINTAINED - PILOT IN COMMAND
3. (F) WEATHER CONDITION - FOG
4. (F) WEATHER CONDITION - SNOW

Occurrence #2: IN FLIGHT COLLISION WITH TERRAIN/WATER

Phase of Operation: DESCENT - UNCONTROLLED

Factual Information

Pilot Information

Certificate:	Private	Age:	43, Male
Airplane Rating(s):	Multi-engine Land; Single-engine Land	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	Seatbelt, Shoulder harness
Instrument Rating(s):	Airplane	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	Yes
Medical Certification:	Class 3 Valid Medical--no waivers/lim.	Last FAA Medical Exam:	06/28/1986
Occupational Pilot:		Last Flight Review or Equivalent:	
Flight Time:	843 hours (Total, all aircraft), 303 hours (Total, this make and model), 726 hours (Pilot In Command, all aircraft), 14 hours (Last 90 days, all aircraft), 10 hours (Last 30 days, all aircraft), 3 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	BEECH	Registration:	N3689D
Model/Series:	58P 58P	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	No
Airworthiness Certificate:	Normal	Serial Number:	TJ301
Landing Gear Type:	Retractable - Tricycle	Seats:	6
Date/Type of Last Inspection:	04/01/1987, Annual	Certified Max Gross Wt.:	6100 lbs
Time Since Last Inspection:	121 Hours	Engines:	2 Reciprocating
Airframe Total Time:	1562 Hours	Engine Manufacturer:	CONTINENTAL
ELT:	Installed, activated, did not aid in locating accident	Engine Model/Series:	TSIO-520
Registered Owner:	DAVIS CONSTRUCTORS & ENG, INC.	Rated Power:	325 hp
Operator:	DAVIS CONST & ENGINEERING	Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Instrument Conditions	Condition of Light:	Day
Observation Facility, Elevation:	KTN, 88 ft msl	Distance from Accident Site:	1 Nautical Miles
Observation Time:	1322 AST	Direction from Accident Site:	130°
Lowest Cloud Condition:	Unknown / 0 ft agl	Visibility	2 Miles
Lowest Ceiling:	Broken / 800 ft agl	Visibility (RVR):	0 ft
Wind Speed/Gusts:	Calm /	Turbulence Type Forecast/Actual:	/
Wind Direction:		Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	30 inches Hg	Temperature/Dew Point:	-1° C / -2° C
Precipitation and Obscuration:			
Departure Point:	SEATTLE, WA (BFI)	Type of Flight Plan Filed:	IFR
Destination:		Type of Clearance:	IFR
Departure Time:	1020 PST	Type of Airspace:	Class E; Warning Area

Airport Information

Airport:	KETCHIKAN (KTN)	Runway Surface Type:	Asphalt
Airport Elevation:	88 ft	Runway Surface Condition:	Snow--dry
Runway Used:	11	IFR Approach:	ILS; VOR/DME
Runway Length/Width:	7497 ft / 150 ft	VFR Approach/Landing:	Full Stop

Wreckage and Impact Information

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

Administrative Information

Investigator In Charge (IIC):	H. D DAILY	Report Date:	03/30/1989
Additional Participating Persons:	TOM SHILLING; JUNEAU, AK		
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. A factual report that may be admissible under 49 U.S.C. § 1154(b) is available [here](#).