



Aviation Investigation Final Report

Location:	BELUGA, Alaska	Accident Number:	ANC91LA075
Date & Time:	June 16, 1991, 10:15 Local	Registration:	N1846P
Aircraft:	PIPER PA-22	Aircraft Damage:	Substantial
Defining Event:		Injuries:	4 None
Flight Conducted Under:	Part 91: General aviation - Personal		

Analysis

THE PILOT STATED THAT JUST AFTER TAKEOFF, AND JUST ABOVE THE TREES, THE HEADWIND CHANGED TO A TAILWIND AND THE AIRPLANE WOULD NOT CONTINUE TO CLIMB AND IT IMPACTED THE TREES. HE FURTHER STATED THAT HE WAS TAKING OFF UPHILL, AND HE DID NOT USE FULL POWER FOR THE TAKEOFF AND CLIMB. HE SAID AFTER MAKING A PARTIAL POWER RUN UP, AND THE AIRPLANE STARTED MOVING FORWARD, HE FORGOT TO INCREASE THE POWER FOR THE TAKEOFF.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: THE PILOT'S FAILURE TO USE PROPER TAKEOFF PROCEDURES. CONTRIBUTING TO THE ACCIDENT WAS THE TAILWIND, AND THE RISING TERRAIN.

Findings

Occurrence #1: IN FLIGHT COLLISION WITH OBJECT
Phase of Operation: TAKEOFF - INITIAL CLIMB

Findings

1. (F) TERRAIN CONDITION - RISING
2. (F) WEATHER CONDITION - TAILWIND
3. (C) PROCEDURES/DIRECTIVES - NOT FOLLOWED - PILOT IN COMMAND

Factual Information

Pilot Information

Certificate:	Private	Age:	54, Male
Airplane Rating(s):	Single-engine land	Seat Occupied:	Unknown
Other Aircraft Rating(s):	None	Restraint Used:	
Instrument Rating(s):	None	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 3 Valid Medical-w/ waivers/lim	Last FAA Medical Exam:	September 5, 1989
Occupational Pilot:	UNK	Last Flight Review or Equivalent:	
Flight Time:	3000 hours (Total, all aircraft), 50 hours (Total, this make and model), 3000 hours (Pilot In Command, all aircraft), 40 hours (Last 90 days, all aircraft), 20 hours (Last 30 days, all aircraft), 1 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	PIPER	Registration:	N1846P
Model/Series:	PA-22 PA-22	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	
Airworthiness Certificate:	Normal	Serial Number:	22-2628
Landing Gear Type:	Tricycle	Seats:	4
Date/Type of Last Inspection:	April 3, 1990 Annual	Certified Max Gross Wt.:	1650 lbs
Time Since Last Inspection:	47 Hrs	Engines:	1 Reciprocating
Airframe Total Time:		Engine Manufacturer:	LYCOMING
ELT:	Installed, activated	Engine Model/Series:	O-235-C
Registered Owner:	DAVID A. BATES	Rated Power:	135 Horsepower
Operator:	CECIL P. PUGMIRE	Operating Certificate(s) Held:	None
Operator Does Business As:		Operator Designator Code:	

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	Condition of Light:	Day
Observation Facility, Elevation:		Distance from Accident Site:	
Observation Time:		Direction from Accident Site:	
Lowest Cloud Condition:	Clear	Visibility	60 miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	15 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	180°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:		Temperature/Dew Point:	10°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:		Type of Flight Plan Filed:	None
Destination:	ANCHORAGE , AK (ANC)	Type of Clearance:	None
Departure Time:	10:15 Local	Type of Airspace:	Class G

Airport Information

Airport:	SUPERIOR STRIP NONE	Runway Surface Type:	Gravel
Airport Elevation:	350 ft msl	Runway Surface Condition:	Dry
Runway Used:	18	IFR Approach:	None
Runway Length/Width:	2500 ft / 60 ft	VFR Approach/Landing:	None

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:	3 None	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	4 None	Latitude, Longitude:	55.920902,-159.489456(est)

Administrative Information

Investigator In Charge (IIC):	Daw, Roy
Additional Participating Persons:	PEYTON STARR; ANCHORAGE , AK
Original Publish Date:	March 24, 1993
Last Revision Date:	
Investigation Class:	Class
Note:	
Investigation Docket:	https://data.nts.gov/Docket?ProjectID=5559

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