



# Aviation Investigation Final Report

<b>Location:</b>	THEODORE RIVER, Alaska	<b>Accident Number:</b>	ANC87FA080
<b>Date &amp; Time:</b>	June 15, 1987, 21:30 Local	<b>Registration:</b>	N2447P
<b>Aircraft:</b>	PIPER PA-22	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>		<b>Injuries:</b>	4 None
<b>Flight Conducted Under:</b>	Part 91: General aviation - Personal		

## Analysis

THE PRIVATE PILOT ELECTED TO ABORT THE TAKEOFF ATTEMPT FROM AN ABANDONED ROADWAY TOO LATE TO STOP IN TIME TO AVOID GOING INTO BRUSH AND SMALL TREES. HE SAID HE DECIDED AGAINST THE TAKEOFF AT ABOUT THE MID-POINT IN THE 4000 FOOT GRAVEL SECTION OF THE ROAD. THE BRAKES CAUSED THE WHEELS TO SLIDE AND HE WAS NOT ABLE TO STOP IN THE REMAINING ONE-QUARTER MILE.

## Probable Cause and Findings

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

### Findings

Occurrence #1: LOSS OF CONTROL - ON GROUND/WATER  
Phase of Operation: TAKEOFF - ROLL/RUN

#### Findings

1. ABORTED TAKEOFF - INITIATED - PILOT IN COMMAND
  2. TERRAIN CONDITION - LOOSE GRAVEL/SANDY
  3. (C) ABORT ABOVE V1 - DELAYED - PILOT IN COMMAND
  4. BRAKES(NORMAL) - ATTEMPTED - PILOT IN COMMAND
  5. (C) PREFLIGHT PLANNING/PREPARATION - INADEQUATE - PILOT IN COMMAND
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Occurrence #2: ON GROUND/WATER ENCOUNTER WITH TERRAIN/WATER  
Phase of Operation: TAKEOFF - ROLL/RUN

Findings

6. TERRAIN CONDITION - HIGH VEGETATION

## Factual Information

### Pilot Information

<b>Certificate:</b>	Private	<b>Age:</b>	28, Male
<b>Airplane Rating(s):</b>	Single-engine land	<b>Seat Occupied:</b>	Left
<b>Other Aircraft Rating(s):</b>	None	<b>Restraint Used:</b>	
<b>Instrument Rating(s):</b>	None	<b>Second Pilot Present:</b>	No
<b>Instructor Rating(s):</b>	None	<b>Toxicology Performed:</b>	No
<b>Medical Certification:</b>	Class 3 Valid Medical--no waivers/lim.	<b>Last FAA Medical Exam:</b>	June 5, 1986
<b>Occupational Pilot:</b>	No	<b>Last Flight Review or Equivalent:</b>	
<b>Flight Time:</b>	175 hours (Total, all aircraft), 150 hours (Total, this make and model), 140 hours (Pilot In Command, all aircraft), 20 hours (Last 90 days, all aircraft), 5 hours (Last 24 hours, all aircraft)		

### Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	PIPER	<b>Registration:</b>	N2447P
<b>Model/Series:</b>	PA-22 PA-22	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>		<b>Amateur Built:</b>	
<b>Airworthiness Certificate:</b>	Normal	<b>Serial Number:</b>	22-2818
<b>Landing Gear Type:</b>	Tricycle	<b>Seats:</b>	4
<b>Date/Type of Last Inspection:</b>	Annual	<b>Certified Max Gross Wt.:</b>	1950 lbs
<b>Time Since Last Inspection:</b>	70 Hrs	<b>Engines:</b>	1 Reciprocating
<b>Airframe Total Time:</b>	1700 Hrs	<b>Engine Manufacturer:</b>	LYCOMING
<b>ELT:</b>	Installed, not activated	<b>Engine Model/Series:</b>	O-320-A1A
<b>Registered Owner:</b>	DAVID GLEE DUNCAN	<b>Rated Power:</b>	150 Horsepower
<b>Operator:</b>		<b>Operating Certificate(s) Held:</b>	None
<b>Operator Does Business As:</b>		<b>Operator Designator Code:</b>	

## Meteorological Information and Flight Plan

<b>Conditions at Accident Site:</b>	Visual (VMC)	<b>Condition of Light:</b>	Day
<b>Observation Facility, Elevation:</b>		<b>Distance from Accident Site:</b>	
<b>Observation Time:</b>		<b>Direction from Accident Site:</b>	
<b>Lowest Cloud Condition:</b>	Unknown	<b>Visibility</b>	25 miles
<b>Lowest Ceiling:</b>	Overcast / 5000 ft AGL	<b>Visibility (RVR):</b>	
<b>Wind Speed/Gusts:</b>	2 knots /	<b>Turbulence Type Forecast/Actual:</b>	/
<b>Wind Direction:</b>	270°	<b>Turbulence Severity Forecast/Actual:</b>	/
<b>Altimeter Setting:</b>		<b>Temperature/Dew Point:</b>	11°C / -18°C
<b>Precipitation and Obscuration:</b>	No Obscuration; No Precipitation		
<b>Departure Point:</b>	THEODORE RIVER , AK (MRI)	<b>Type of Flight Plan Filed:</b>	None
<b>Destination:</b>	ANCHORAGE , AK (MRI)	<b>Type of Clearance:</b>	None
<b>Departure Time:</b>	00:00 Local	<b>Type of Airspace:</b>	Class G

## Airport Information

<b>Airport:</b>		<b>Runway Surface Type:</b>	Gravel
<b>Airport Elevation:</b>	0 ft msl	<b>Runway Surface Condition:</b>	Dry
<b>Runway Used:</b>	0	<b>IFR Approach:</b>	None
<b>Runway Length/Width:</b>	4000 ft / 18 ft	<b>VFR Approach/Landing:</b>	None

## Wreckage and Impact Information

<b>Crew Injuries:</b>	1 None	<b>Aircraft Damage:</b>	Substantial
<b>Passenger Injuries:</b>	3 None	<b>Aircraft Fire:</b>	None
<b>Ground Injuries:</b>	N/A	<b>Aircraft Explosion:</b>	None
<b>Total Injuries:</b>	4 None	<b>Latitude, Longitude:</b>	61.08086,-151.159133(est)

## Administrative Information

**Investigator In Charge (IIC):** Stella, Marc

**Additional Participating Persons:**

**Original Publish Date:** May 2, 1988

**Last Revision Date:**

**Investigation Class:** [Class](#)

**Note:**

**Investigation Docket:** <https://data.nts.gov/Docket?ProjectID=4775>

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