



# Aviation Investigation Final Report

<b>Location:</b>	NO. RICHLAND HI, Texas	<b>Accident Number:</b>	FTW82DA320
<b>Date &amp; Time:</b>	August 8, 1982, 15:20 Local	<b>Registration:</b>	N201BQ
<b>Aircraft:</b>	MOONEY M20J	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>		<b>Injuries:</b>	4 None
<b>Flight Conducted Under:</b>	Part 91: General aviation		

## Analysis

THE PILOT LANDED ON RUNWAY 17 WHICH HAD A SLIGHT DOWNGRADE. THE 2800 FT, ASPHALT RUNWAY WAS WET FROM A SHOWER THAT HAD JUST PASSED OVER AND THERE WAS NO EFFECTIVE HEAD WIND. ALSO, THE DENSITY ALTITUDE WAS ABOUT 2800 FT. DURING THE LANDING, THE AIRCRAFT FLOATED ABOUT 1/4 OF THE WAY DOWN THE RUNWAY BEFORE TOUCHING DOWN. THE PILOT WAS UNABLE TO STOP ON THE REMAINING RUNWAY AND THE AIRCRAFT CONTINUED INTO A FENCE AND WAS DAMAGED. THE PILOT REPORTED THAT THERE WERE DIPS AND POT HOLES IN THE RUNWAY.

## Probable Cause and Findings

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

### Findings

Occurrence #1: OVERRUN  
Phase of Operation: LANDING - ROLL

#### Findings

1. (F) WEATHER CONDITION - HIGH DENSITY ALTITUDE
2. (C) AIRSPEED - MISJUDGED - PILOT IN COMMAND
3. (C) DISTANCE - MISJUDGED - PILOT IN COMMAND
4. (C) GO-AROUND - NOT PERFORMED - PILOT IN COMMAND
5. (F) AIRPORT FACILITIES, RUNWAY/LANDING AREA CONDITION - ROUGH/UNEVEN

- 6. (F) AIRPORT FACILITIES,RUNWAY/LANDING AREA CONDITION - WET
- 7. (F) AIRCRAFT PERFORMANCE,HYDROPLANING CONDITION - WATER

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Occurrence #2: ON GROUND/WATER COLLISION WITH OBJECT  
Phase of Operation: LANDING - ROLL

Findings

- 8. (F) OBJECT - FENCE

## Factual Information

### Pilot Information

<b>Certificate:</b>	Private	<b>Age:</b>	39, Male
<b>Airplane Rating(s):</b>	Single-engine land	<b>Seat Occupied:</b>	Unknown
<b>Other Aircraft Rating(s):</b>		<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-w/ waivers/lim	<b>Last FAA Medical Exam:</b>	December 21, 1981
<b>Occupational Pilot:</b>	UNK	<b>Last Flight Review or Equivalent:</b>	
<b>Flight Time:</b>	155 hours (Total, all aircraft), 105 hours (Total, this make and model), 70 hours (Pilot In Command, all aircraft), 75 hours (Last 90 days, all aircraft), 4 hours (Last 24 hours, all aircraft)		

### Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	MOONEY	<b>Registration:</b>	N201BQ
<b>Model/Series:</b>	M20J M20J	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>		<b>Amateur Built:</b>	
<b>Airworthiness Certificate:</b>		<b>Serial Number:</b>	241280
<b>Landing Gear Type:</b>	Retractable - Tricycle	<b>Seats:</b>	4
<b>Date/Type of Last Inspection:</b>	Unknown	<b>Certified Max Gross Wt.:</b>	2740 lbs
<b>Time Since Last Inspection:</b>	0 Hrs	<b>Engines:</b>	1 Reciprocating
<b>Airframe Total Time:</b>	105 Hrs	<b>Engine Manufacturer:</b>	LYCOMING
<b>ELT:</b>	Installed	<b>Engine Model/Series:</b>	IO-360-A3B6D
<b>Registered Owner:</b>	ASSOCIATED BATTERIES	<b>Rated Power:</b>	200 Horsepower
<b>Operator:</b>	ASSOCIATED BATTERIES	<b>Operating Certificate(s) Held:</b>	
<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>	FTW	<b>Distance from Accident Site:</b>	10 Nautical Miles
<b>Observation Time:</b>	14:52 Local	<b>Direction from Accident Site:</b>	270°
<b>Lowest Cloud Condition:</b>	Scattered / 4000 ft AGL	<b>Visibility</b>	7 miles
<b>Lowest Ceiling:</b>	Broken / 10000 ft AGL	<b>Visibility (RVR):</b>	
<b>Wind Speed/Gusts:</b>	9 knots /	<b>Turbulence Type Forecast/Actual:</b>	/
<b>Wind Direction:</b>	90°	<b>Turbulence Severity Forecast/Actual:</b>	/
<b>Altimeter Setting:</b>	29 inches Hg	<b>Temperature/Dew Point:</b>	91°C
<b>Precipitation and Obscuration:</b>	Moderate - Showers - Rain		
<b>Departure Point:</b>	AUSTIN , TX (3R3 )	<b>Type of Flight Plan Filed:</b>	None
<b>Destination:</b>	METLAKATLA , AK	<b>Type of Clearance:</b>	None
<b>Departure Time:</b>	14:20 Local	<b>Type of Airspace:</b>	

## Airport Information

<b>Airport:</b>	MANGHAM F70	<b>Runway Surface Type:</b>	Asphalt
<b>Airport Elevation:</b>	0 ft msl	<b>Runway Surface Condition:</b>	Wet
<b>Runway Used:</b>	17	<b>IFR Approach:</b>	
<b>Runway Length/Width:</b>	2800 ft / 0 ft	<b>VFR Approach/Landing:</b>	

## 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>	32.860862,-97.209411(est)

## Administrative Information

**Investigator In Charge (IIC):**

**Additional Participating Persons:**

**Original Publish Date:** August 8, 1983

**Last Revision Date:**

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

**Note:**

**Investigation Docket:** <https://data.nts.gov/Docket?ProjectID=72019>

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