National Transportation Safety Board
Washington, DC 20594

Brief of Accident

Adopted 03/18/1983

ATL82FLJ06
File No. 512 | 03/18/1982 | KNIGHTDALE ,NC | Aircraft Reg No. N223LW | Time (Local): 18:30 EST

Make/Model:	Bede Acft/BD-4
Engine Make/Model:	Lycoming / O-360
Aircraft Damage:	Destroyed
Number of Engines:	1
Operating Certificate(s):	
Type of Flight Operation:	Personal
Reg. Flight Conducted Under:	Part 91: General Aviation

	Fatal	Serious	Minor/None
Crew	1	0	0
Pass	1	0	0

Last Depart. Point:	HORSEHEAD, NY
Destination:	ROCKLEDGE, FL
Airport Proximity:	Off Airport/Airstrip

Condition of Light:	Dusk
Weather Info Src:	Unknown
Basic Weather:	Visual Conditions
Lowest Ceiling:	0 Ft. AGL, Unknown
Visibility:	12.00 SM
Wind Dir/Speed:	140 / 006 kts
Temperature (°C):	64
Precip/Obscuration:	

Pilot-in-Command Age: 38

Certificate(s)/Rating(s)
Private; Single-engine Land; Single-engine Sea

Instrument Ratings
None

Flight Time (Hours)

Total All Aircraft:	201
Last 90 Days:	8
Total Make/Model:	9
Total Instrument Time:	UnK/Nr

*** Note: NTSB investigators either traveled in support of this investigation or conducted a significant amount of investigative work without any travel, and used data obtained from various sources to prepare this aircraft accident report. ***

TWO WITNESSES OBSERVED THE AIRCRAFT ON A LOW FINAL APPROACH FOR RUNWAY 19. THEY REPORTED THAT THE AIRCRAFT THEN TURNED TO AN EASTERLY HEADING. ONE WITNESS REPORTED THAT THE LEFT TURN APPEARED TO BE COORDINATED. THE OTHER WITNESS HEARD THE PILOT ADD POWER BEFORE THE AIRCRAFT DISAPPEARED FROM HIS VIEW BEHIND TREES. THE PLANE CRASHED ABOUT 1/2 MILE NORTH OF THE RUNWAY AND APPROXIMATELY 1000 FT EAST OF THE PROJECTED RUNWAY CENTERLINE. THE INITIAL IMPACT OCCURRED WITH TREES AT AN ALTITUDE OF ABOUT 50 FT AGL. AN EXAMINATION OF THE WRECKAGE REVEALED NO PREIMPACT MALFUNCTIONS.

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Occurrence #1: UNDERSHOOT
Phase of Operation: APPROACH - VFR PATTERN - FINAL APPROACH

Findings
1. (C) ALTITUDE - MISJUDGED - PILOT IN COMMAND
2. (C) DISTANCE - MISJUDGED - PILOT IN COMMAND
3. (C) AIRSPEED - MISJUDGED - PILOT IN COMMAND

Occurrence #2: IN FLIGHT COLLISION WITH OBJECT
Phase of Operation: GO-AROUND (VFR)

Findings
4. (C) GO-AROUND - DELAYED - PILOT IN COMMAND
5. (C) AIRSPEED - NOT MAINTAINED - PILOT IN COMMAND
6. (F) OBJECT - TREE(S)
7. (C) STALL/MUSH - INADVERTENT - PILOT IN COMMAND

Findings Legend: (C) = Cause, (F) = Factor