

**Aviation Safety Investigation Report
199403448**

**Beech Aircraft Corp
Super King Air**

17 November 1994

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NOTE: All air safety occurrences reported to the ATSB are categorised and recorded. For a detailed explanation on Category definitions please refer to the ATSB website at www.atsb.gov.au.

Occurrence Number: 199403448 **Occurrence Type:** Accident
Location: Canobie
State: QLD **Inv Category:** 4
Date: Thursday 17 November 1994
Time: **Time Zone** EST
Highest Injury Level: None

Aircraft Manufacturer: Beech Aircraft Corp
Aircraft Model: 300LW
Aircraft Registration: VH-KDV **Serial Number:** FA-165
Type of Operation: Charter Passenger
Damage to Aircraft: Substantial
Departure Point: Planet Downs
Departure Time:
Destination: Canobie

Approved for Release: Tuesday, March 12, 1996

During the pre-flight inspection the pilot noticed that the left aileron was buckled. Further inspection revealed diagonal wrinkling of the lower surface of the left wing, the leading edge of the left wing outboard of the engine nacelle, and evidence of movement in the left wing attachment area.

The pilot stated that when he flew the aircraft on the previous day it had handled normally. The weather conditions on that day were such that at cruise the flight was smooth with light turbulence during the descent.

An analysis of the damaged aileron concluded that it had failed in static overload. An engineering assessment of the damaged to the aircraft concluded that the most likely scenario to cause the damage was one involving high speeds and gusts. These conditions were not reported by the pilot.

