

**Aviation Safety Investigation Report
198400003**

Hiller UH-12E

5 February 1984

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Investigations commenced on or before 30 June 2003, including the publication of reports as a result of those investigations, are authorised by the CEO of the Bureau in accordance with Part 2A of the Air Navigation Act 1920.

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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: 198400003

Occurrence Type: Accident

Location: 8 km SE of Beaudesert QLD

Date: 5 February 1984

Time: 920

Highest Injury Level: Nil

Injuries:

	Fatal	Serious	Minor	None
Crew	0	0	1	1
Ground	0	0	0	-
Passenger	0	0	0	0
Total	0	0	0	1

Aircraft Details: Hiller UH-12E

Registration: VH-XRG

Serial Number:

Operation Type: Commercial-Aerial
Agricultural

Damage Level: Substantial

Departure Point: 8 km SE Beaudesert QLD

Departure Time: 0920

Destination: 8 km SE of Beaudesert QLD

Approved for Release: 5th March, 1985

Circumstances:

At the end of a 180 deg turn the pilot attempted to level out but there was no cyclic response. The helicopter continued in the turn and the application of back cyclic could not prevent the nose dropping. The helicopter struck the bank of a creek shearing off the tail boom, main rotor and gearbox and came to rest in the water. The pilot escaped unhurt and unaided from the partially submerged cockpit. Investigation revealed that a bolt which secured a foot of the cyclic control wobble plate pylon to the transmission gearbox had become detached. Subsequent movement of the pylon deprived the pilot of effective cyclic control. The reason for the loss of the bolt could not be established.