

**AAIB Bulletin No: 9/94**

**Ref: EW/G94/07/17**

**Category: 1.3**

**Aircraft Type and Registration:** Mooney M20C Mk 21, G-BPFC

**No & Type of Engines:** 1 Lycoming O-360-A1D piston engine

**Year of Manufacture:** 1977

**Date & Time (UTC):** 3 July 1994 at 1915 hrs

**Location:** Pool Quay, Powys, Wales

**Type of Flight:** Private

**Persons on Board:** Crew - 2                      Passengers - None

**Injuries:** Crew - None                      Passengers - N/A

**Nature of Damage:** Damage to landing gear, propeller, exhaust and engine lower cowling

**Commander's Licence:** Private Pilot's Licence

**Commander's Age:** 67 years

**Commander's Flying Experience:** 589 hours (of which 9 were on type)  
Last 90 days - 3 hours  
Last 28 days - 1 hour

**Information Source:** Aircraft Accident Report Form submitted by the pilot

The aircraft was approaching to land on Runway 36 after a flight from Shobdon. The weather was good with the wind light and variable. The pilot reported that he flew the final approach with full flap at 80 mph. As the aircraft crossed a river, just short of the runway threshold, it experienced a sudden height loss. Increasing power failed to correct the situation, and the right main landing gear struck a raised embankment short of the threshold. This caused the aircraft to pitch nose down, and the nose landing gear collapsed on contact with the grass runway surface. Both occupants were wearing lap and diagonal harnesses, and were uninjured. There was no fire, and they vacated the aircraft by the normal means.

The pilot commented that he had landed the aircraft on the same runway earlier in the day uneventfully, using the same approach speed.