



National Transportation Safety Board Aviation Accident Final Report

Location:	Salome, AZ	Accident Number:	WPR09CA135
Date & Time:	03/02/2009, 0945 MST	Registration:	N4832
Aircraft:	COSMOS PHASE 2	Aircraft Damage:	Substantial
Defining Event:	Collision with terr/obj (non-CFIT)	Injuries:	1 None
Flight Conducted Under:	Part 91: General Aviation - Personal		

Analysis

During a landing on a dry lake bed the aircraft encountered a rut and nosed over. The aircraft sustained substantial damage to the nose gear and the wings. The pilot reported that during the landing he did not see the rut until it was too late.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The pilot's encounter with a rut while landing on an unimproved dry lake bed.

Findings

Environmental issues

Factual Information

History of Flight

Landing-landing roll	Collision with terr/obj (non-CFIT) (Defining event) Nose over/nose down
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Student Pilot Information

Certificate:	Student	Age:	76, Male
Airplane Rating(s):	None	Seat Occupied:	Center
Other Aircraft Rating(s):	None	Restraint Used:	Seatbelt, Shoulder harness
Instrument Rating(s):	None	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Sport Pilot	Last Medical Exam:	
Occupational Pilot:	No	Last Flight Review or Equivalent:	
Flight Time:	27 hours (Total, all aircraft), 27 hours (Total, this make and model)		

Aircraft and Owner/Operator Information

Aircraft Manufacturer:	COSMOS	Registration:	N4832
Model/Series:	PHASE 2	Aircraft Category:	Weight-Shift
Year of Manufacture:		Amateur Built:	No
Airworthiness Certificate:	Experimental Light Sport	Serial Number:	21319
Landing Gear Type:	Tricycle	Seats:	2
Date/Type of Last Inspection:	Annual	Certified Max Gross Wt.:	860 lbs
Time Since Last Inspection:	15 Hours	Engines:	1 Reciprocating
Airframe Total Time:	527 Hours	Engine Manufacturer:	ROTAX
ELT:	Not installed	Engine Model/Series:	582UL
Registered Owner:	On file	Rated Power:	65 hp
Operator:	On file	Air Carrier Operating Certificate:	None

Meteorological Information and Flight Plan

Observation Facility, Elevation:	BLH, 399 ft msl	Observation Time:	0952 PDT
Distance from Accident Site:	65 Nautical Miles	Condition of Light:	Day
Direction from Accident Site:	270°	Conditions at Accident Site:	Visual Conditions
Lowest Cloud Condition:	Clear	Temperature/Dew Point:	21°C / 1°C
Lowest Ceiling:	None	Visibility	10 Miles
Wind Speed/Gusts, Direction:	Calm	Visibility (RVR):	
Altimeter Setting:	30 inches Hg	Visibility (RVV):	
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Salome, AZ	Type of Flight Plan Filed:	None
Destination:	Salome, AZ	Type of Clearance:	None
Departure Time:	MST	Type of Airspace:	

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:	N/A	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	1 None		

Administrative Information

Investigator In Charge (IIC):	Patrick H Jones	Adopted Date:	06/11/2009
Additional Participating Persons:	James Kerr; Federal Aviation Administration; Scottsdale, AZ		
Publish Date:	06/11/2009		
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.		
Investigation Docket:	NTSB accident and incident dockets serve as permanent archival information for the NTSB's investigations. Dockets released prior to June 1, 2009 are publicly available from the NTSB's Record Management Division at pubinq@ntsb.gov , or at 800-877-6799. Dockets released after this date are available at http://dms.nts.gov/pubdms/ .		

The National Transportation Safety Board (NTSB), established in 1967, is an independent federal agency mandated by Congress through the Independent Safety Board Act of 1974 to investigate transportation accidents, determine the probable causes of the accidents, issue safety recommendations, study transportation safety issues, and evaluate the safety effectiveness of government agencies involved in transportation. The NTSB makes public its actions and decisions through accident reports, safety studies, special investigation reports, safety recommendations, and statistical reviews.

The Independent Safety Board Act, as codified at 49 U.S.C. Section 1154(b), precludes the admission into evidence or use of any part of an NTSB report related to an incident or accident in a civil action for damages resulting from a matter mentioned in the report.