



# National Transportation Safety Board Aviation Accident Data Summary

<b>Location:</b>	Alturas, CA	<b>Accident Number:</b>	WPR10LA275
<b>Date &amp; Time:</b>	06/01/2010, 1900 PDT	<b>Registration:</b>	N354MB
<b>Aircraft:</b>	Airborne Windsports PTY LTD Edge X	<b>Injuries:</b>	1 Minor, 1 None
<b>Flight Conducted Under:</b>	Part 91: General Aviation - Personal		

## Analysis

The certified flight instructor (CFI) and a student pilot were performing touch-and-go and full stop landings. The CFI reported that during the final landing roll at 30 miles per hour, the wing rolled severely to the left, and struck the ground. The wing crumpled, and dug into the surface rolling the airplane onto its left side. Postaccident examination revealed that the right rear mast support cable fractured about 3 inches above its lower attachment point where the cable enters a swedge. A Federal Aviation Administration inspector examined the wreckage and confirmed the break to the cable and also noted that there appeared to be some bluish green corrosion on the copper compression swedge.

## Flight Events

Landing-landing roll - Sys/Comp malf/fail (non-power)

Landing-landing roll - Loss of control on ground

## Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be: Fracture of a mast support cable due to corrosion, which resulted in a loss of control during the landing roll.

## Findings

Aircraft-Aircraft structures-Wing structure-Attach fittings (on wing)-Fatigue/wear/corrosion - C  
Aircraft-Aircraft oper/perf/capability-Performance/control parameters-Directional control-  
Attain/maintain not possible

## Flight Instructor Information

<b>Certificate:</b>	Flight Instructor; Commercial	<b>Age:</b>	43
<b>Airplane Rating(s):</b>	Multi-engine Land; Single-engine Land	<b>Instrument Rating(s):</b>	Airplane
<b>Other Aircraft Rating(s):</b>	None	<b>Instructor Rating(s):</b>	Sport Pilot
<b>Flight Time:</b>	3212 hours (Total, all aircraft), 38 hours (Total, this make and model), 2805 hours (Pilot In Command, all aircraft), 180 hours (Last 90 days, all aircraft), 80 hours (Last 30 days, all aircraft), 9 hours (Last 24 hours, all aircraft)		

## Student Pilot Information

<b>Certificate:</b>	Student	<b>Age:</b>	53
<b>Airplane Rating(s):</b>	None	<b>Instrument Rating(s):</b>	None
<b>Other Aircraft Rating(s):</b>	None	<b>Instructor Rating(s):</b>	None
<b>Flight Time:</b>	38 hours (Total, all aircraft), 38 hours (Total, this make and model), 38 hours (Last 90 days, all aircraft), 31 hours (Last 30 days, all aircraft), 7 hours (Last 24 hours, all aircraft)		

## Aircraft and Owner/Operator Information

<b>Aircraft Manufacturer:</b>	Airborne Windsports PTY LTD	<b>Registration:</b>	N354MB
<b>Model/Series:</b>	Edge X	<b>Engines:</b>	1 Reciprocating
<b>Operator:</b>	Thomas Parnow	<b>Engine Manufacturer:</b>	Rotax
<b>Air Carrier Operating Certificate:</b>	None	<b>Engine Model/Series:</b>	582
<b>Flight Conducted Under:</b>	Part 91: General Aviation - Personal		

## Meteorological Information and Flight Plan

<b>Observation Facility, Elevation:</b>	KAAT, 4378 ft msl	<b>Weather Information Source:</b>	Weather Observation Facility
<b>Conditions at Accident Site:</b>	Visual Conditions	<b>Lowest Ceiling:</b>	Overcast / 7000 ft agl
<b>Condition of Light:</b>	Day	<b>Wind Speed/Gusts, Direction:</b>	8 knots, 260°
<b>Temperature:</b>	15°C / 8°C	<b>Visibility:</b>	10 Miles
<b>Precipitation and Obscuration:</b>	No Obscuration; No Precipitation		
<b>Departure Point:</b>	Alturas, CA (AAT)	<b>Destination:</b>	Alturas, CA (AAT)

## Airport Information

<b>Airport:</b>	Alturas (AAT)	<b>Runway Surface Type:</b>	Asphalt
<b>Runway Used:</b>	31	<b>Runway Surface Condition:</b>	Dry
<b>Runway Length/Width:</b>	4377 ft / 50 ft		

## Wreckage and Impact Information

<b>Crew Injuries:</b>	1 Minor, 1 None	<b>Aircraft Damage:</b>	Substantial
<b>Passenger Injuries:</b>	N/A	<b>Aircraft Fire:</b>	None
<b>Ground Injuries:</b>	N/A	<b>Aircraft Explosion:</b>	None

## Administrative Information

<b>Investigator In Charge (IIC):</b>	Howard D Plagens	<b>Adopted Date:</b>	07/12/2011
<b>Investigation Docket:</b>	<a href="http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=76193">http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=76193</a>		

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