



# Aviation Investigation Final Report

<b>Location:</b>	Hayward, California	<b>Accident Number:</b>	LAX03LA155
<b>Date &amp; Time:</b>	May 18, 2003, 12:55 Local	<b>Registration:</b>	N271RP
<b>Aircraft:</b>	Monaghan Glasair	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>		<b>Injuries:</b>	2 None
<b>Flight Conducted Under:</b>	Part 91: General aviation - Personal		

## Analysis

The airplane ground looped on landing. The pilot said the airplane bounced, he lost directional control, and the airplane departed the runway to the left. Just as the airplane bounced into the air, a gust of wind made the airplane weather vane to the left. Before the pilot could correct, the airplane touched down and ground looped off the runway. The pilot reported there were no discrepancies with the airplane prior to the accident.

## Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: the pilot's inadequate recovery from a bounced landing and his failure to maintain directional control, resulting in a ground loop.

## Findings

Occurrence #1: LOSS OF CONTROL - ON GROUND/WATER  
Phase of Operation: LANDING - ROLL

Findings

1. (C) RECOVERY FROM BOUNCED LANDING - INADEQUATE - PILOT IN COMMAND
2. (C) DIRECTIONAL CONTROL - NOT MAINTAINED - PILOT IN COMMAND
3. GROUND LOOP/SWERVE - ENCOUNTERED

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Occurrence #2: ON GROUND/WATER ENCOUNTER WITH TERRAIN/WATER

Phase of Operation: LANDING - ROLL

Findings

4. TERRAIN CONDITION - GROUND

## Factual Information

On May 18, 2003, about 1255 Pacific daylight time, an experimental owner built Monaghan Glasair, N271RP, ground looped while landing at Hayward Executive Airport (HWD), Hayward, California. The builder/owner/pilot was operating the airplane under the provisions of 14 CFR Part 91. The private pilot and one pilot rated passenger were not injured; the airplane sustained substantial damage. The personal cross-country flight departed Halfmoon Bay, California, about 1230 en route to Hayward, California. Day visual meteorological conditions prevailed, and no flight plan had been filed. The primary wreckage was at 37 degrees 39.56 minutes north latitude and 122 degrees 07.35 minutes west longitude.

The pilot stated that he had tried to land at HWD on runway 28L but had executed a go-around. On his second approach to runway 28L, the airplane bounced, he lost directional control, and the airplane departed the runway to the left. He reported that just as the airplane bounced into the air, a gust of wind made the airplane weather vane to the left. Before he could correct, the airplane touched down and ground looped. The airplane departed the runway and came to rest in the grass area between runways 28R and 28L.

The weather observation at HWD was reported at 1254 PDT as wind from 280 degrees at 10 knots.

### Pilot Information

<b>Certificate:</b>	Private	<b>Age:</b>	45, Male
<b>Airplane Rating(s):</b>	Single-engine land	<b>Seat Occupied:</b>	Left
<b>Other Aircraft Rating(s):</b>	None	<b>Restraint Used:</b>	
<b>Instrument Rating(s):</b>	None	<b>Second Pilot Present:</b>	Yes
<b>Instructor Rating(s):</b>	None	<b>Toxicology Performed:</b>	No
<b>Medical Certification:</b>	Class 3 Valid Medical--no waivers/lim.	<b>Last FAA Medical Exam:</b>	November 30, 2001
<b>Occupational Pilot:</b>	UNK	<b>Last Flight Review or Equivalent:</b>	December 5, 2002
<b>Flight Time:</b>	500 hours (Total, all aircraft), 180 hours (Total, this make and model), 12 hours (Last 90 days, all aircraft)		

## Co-pilot Information

<b>Certificate:</b>	Private	<b>Age:</b>	Male
<b>Airplane Rating(s):</b>	Single-engine land	<b>Seat Occupied:</b>	Right
<b>Other Aircraft Rating(s):</b>	None	<b>Restraint Used:</b>	
<b>Instrument Rating(s):</b>	None	<b>Second Pilot Present:</b>	Yes
<b>Instructor Rating(s):</b>	None	<b>Toxicology Performed:</b>	No
<b>Medical Certification:</b>	Class 3 Valid Medical-w/ waivers/lim	<b>Last FAA Medical Exam:</b>	November 1, 2002
<b>Occupational Pilot:</b>		<b>Last Flight Review or Equivalent:</b>	
<b>Flight Time:</b>			

## Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	Monaghan	<b>Registration:</b>	N271RP
<b>Model/Series:</b>	Glasair	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>		<b>Amateur Built:</b>	Yes
<b>Airworthiness Certificate:</b>	Experimental (Special)	<b>Serial Number:</b>	271
<b>Landing Gear Type:</b>	Tailwheel	<b>Seats:</b>	2
<b>Date/Type of Last Inspection:</b>	August 23, 2003 Annual	<b>Certified Max Gross Wt.:</b>	2000 lbs
<b>Time Since Last Inspection:</b>	32 Hrs	<b>Engines:</b>	1 Reciprocating
<b>Airframe Total Time:</b>	232 Hrs at time of accident	<b>Engine Manufacturer:</b>	Lycoming
<b>ELT:</b>	Installed, not activated	<b>Engine Model/Series:</b>	IO-320
<b>Registered Owner:</b>	Robert E. Monaghan/ Patrick J. Monaghan	<b>Rated Power:</b>	160 Horsepower
<b>Operator:</b>		<b>Operating Certificate(s) Held:</b>	None

## Meteorological Information and Flight Plan

<b>Conditions at Accident Site:</b>	Visual (VMC)	<b>Condition of Light:</b>	Day
<b>Observation Facility, Elevation:</b>	HWD,50 ft msl	<b>Distance from Accident Site:</b>	
<b>Observation Time:</b>	12:55 Local	<b>Direction from Accident Site:</b>	
<b>Lowest Cloud Condition:</b>	Clear	<b>Visibility</b>	10 miles
<b>Lowest Ceiling:</b>	None	<b>Visibility (RVR):</b>	
<b>Wind Speed/Gusts:</b>	10 knots /	<b>Turbulence Type Forecast/Actual:</b>	/
<b>Wind Direction:</b>	280°	<b>Turbulence Severity Forecast/Actual:</b>	/
<b>Altimeter Setting:</b>	30.1 inches Hg	<b>Temperature/Dew Point:</b>	19°C / 5°C
<b>Precipitation and Obscuration:</b>	No Obscuration; No Precipitation		
<b>Departure Point:</b>	Halfmoon Bay, CA (KHAF)	<b>Type of Flight Plan Filed:</b>	None
<b>Destination:</b>	Hayward, CA (KHWD)	<b>Type of Clearance:</b>	VFR
<b>Departure Time:</b>	12:30 Local	<b>Type of Airspace:</b>	Class C;Class D

## Airport Information

<b>Airport:</b>	HAYWARD AIR TERMINAL HWD	<b>Runway Surface Type:</b>	Asphalt
<b>Airport Elevation:</b>	50 ft msl	<b>Runway Surface Condition:</b>	Dry
<b>Runway Used:</b>	28L	<b>IFR Approach:</b>	None
<b>Runway Length/Width:</b>	5024 ft / 150 ft	<b>VFR Approach/Landing:</b>	Traffic pattern

## Wreckage and Impact Information

<b>Crew Injuries:</b>	2 None	<b>Aircraft Damage:</b>	Substantial
<b>Passenger Injuries:</b>		<b>Aircraft Fire:</b>	None
<b>Ground Injuries:</b>	N/A	<b>Aircraft Explosion:</b>	None
<b>Total Injuries:</b>	2 None	<b>Latitude, Longitude:</b>	37.619308,-122.110786(est)

## Administrative Information

<b>Investigator In Charge (IIC):</b>	Jones, Patrick
<b>Additional Participating Persons:</b>	Irod Folsom; Federal Aviation Administration; Oakland, CA
<b>Original Publish Date:</b>	December 28, 2004
<b>Last Revision Date:</b>	
<b>Investigation Class:</b>	<a href="#">Class</a>
<b>Note:</b>	
<b>Investigation Docket:</b>	<a href="https://data.ntsb.gov/Docket?ProjectID=57017">https://data.ntsb.gov/Docket?ProjectID=57017</a>

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