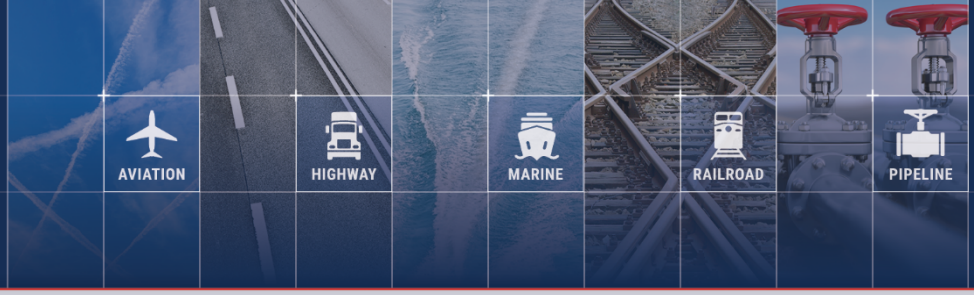

Aviation Investigation Final Report

Location:	SEATTLE, Washington	**Accident Number:**	SEA87LA095
Date & Time:	May 10, 1987, 14:58 Local	**Registration:**	N7732K
Aircraft:	PIPER PA-20-115	**Aircraft Damage:**	Substantial
Defining Event:		**Injuries:**	1 None
Flight Conducted Under:	Part 91: General aviation - Personal		

Analysis

DURING LANDING ROLL WITH A CROSSWIND FROM THE RIGHT A GROUND LOOP OCCURRED. THE PILOT HAD JUST COMPLETED A SOLO CROSS COUNTRY FLIGHT. THE WIND WAS FROM 210 DEGREES AT 9 KNOTS. THE PILOT WAS LANDING ON RUNWAY 13L.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be:

Findings

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

Findings
1. (F) WEATHER CONDITION - CROSSWIND
2. (C) DIRECTIONAL CONTROL - NOT MAINTAINED - PILOT IN COMMAND

Occurrence #2: ON GROUND/WATER ENCOUNTER WITH TERRAIN/WATER
Phase of Operation: LANDING - ROLL

Factual Information

Pilot Information

Certificate:	Student	**Age:**	39,Male
Airplane Rating(s):	Single-engine land	**Seat Occupied:**	Left
Other Aircraft Rating(s):	None	**Restraint Used:**	
Instrument Rating(s):	None	**Second Pilot Present:**	No
Instructor Rating(s):	None	**Toxicology Performed:**	No
Medical Certification:	Class 3 Valid Medical--no waivers/lim.	**Last FAA Medical Exam:**	February 9, 1987
Occupational Pilot:	No	**Last Flight Review or Equivalent:**	
Flight Time:	43 hours (Total, all aircraft), 43 hours (Total, this make and model), 8 hours (Pilot In Command, all aircraft), 25 hours (Last 90 days, all aircraft), 5 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	PIPER	**Registration:**	N7732K
Model/Series:	PA-20-115 PA-20-115	**Aircraft Category:**	Airplane
Year of Manufacture:		**Amateur Built:**	
Airworthiness Certificate:	Normal; Utility	**Serial Number:**	20560
Landing Gear Type:	Tailwheel	**Seats:**	4
Date/Type of Last Inspection:	November 14, 1986 Annual	**Certified Max Gross Wt.:**	1800 lbs
Time Since Last Inspection:		**Engines:**	1 Reciprocating
Airframe Total Time:	2700 Hrs	**Engine Manufacturer:**	LYCOMING
ELT:	Installed, not activated	**Engine Model/Series:**	O-290C1
Registered Owner:	HARVEY D SHELBY	**Rated Power:**	125 Horsepower
Operator:	HARVEY D. SHELBY	**Operating Certificate(s) Held:**	None
Operator Does Business As:		**Operator Designator Code:**	

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	**Condition of Light:**	Day
Observation Facility, Elevation:	BFI ,17 ft msl	**Distance from Accident Site:**	
Observation Time:	14:48 Local	**Direction from Accident Site:**	
Lowest Cloud Condition:	Clear	**Visibility**	40 miles
Lowest Ceiling:	None	**Visibility (RVR):**	
Wind Speed/Gusts:	9 knots /	**Turbulence Type Forecast/Actual:**	/
Wind Direction:	210°	**Turbulence Severity Forecast/Actual:**	/
Altimeter Setting:	29 inches Hg	**Temperature/Dew Point:**	25°C / 2°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	TROUTDALE , WA (TTD)	**Type of Flight Plan Filed:**	VFR
Destination:	SEATTLE , WA (BFI)	**Type of Clearance:**	None
Departure Time:	12:45 Local	**Type of Airspace:**	Class D

Airport Information

Airport:	BOEING FIELD BFI	**Runway Surface Type:**	Asphalt
Airport Elevation:	17 ft msl	**Runway Surface Condition:**	Dry
Runway Used:	13L	**IFR Approach:**	None
Runway Length/Width:	10000 ft / 200 ft	**VFR Approach/Landing:**	None

Wreckage and Impact Information

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

Administrative Information

Investigator In Charge (IIC):	Carrera, Candace
Additional Participating Persons:	MIKE KELLY; SEATTLE , WA
Original Publish Date:	May 2, 1988
Last Revision Date:	
Investigation Class:	Class
Note:	
Investigation Docket:	https://data.ntsb.gov/Docket?ProjectID=40625