



# Aviation Investigation Final Report

<b>Location:</b>	18NM ESE KETCHI, Alaska	<b>Accident Number:</b>	SEA82DA168
<b>Date &amp; Time:</b>	September 18, 1982, 19:30 Local	<b>Registration:</b>	N46563
<b>Aircraft:</b>	CESSNA C-180J	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>		<b>Injuries:</b>	1 None
<b>Flight Conducted Under:</b>	Part 91: General aviation		

## Analysis

THE PILOT STATED THAT HE CIRCLED THE LAKE PRIOR TO LANDING. THERE WAS NO WIND AND THE LAKE SURFACE WAS GLASSY. DURING THE FINAL APPROACH, THE PILOT ENCOUNTERED SUN GLARE OFF THE LAKE. THE AIRCRAFT LANDED HARD AND THE WING TIPS CONTACTED THE WATER.

## Probable Cause and Findings

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

### Findings

Occurrence #1: HARD LANDING  
Phase of Operation: LANDING - FLARE/TOUCHDOWN

#### Findings

1. (F) LIGHT CONDITION - SUNGLARE
2. (F) TERRAIN CONDITION - WATER, GLASSY
3. (C) LEVEL OFF - MISJUDGED - PILOT IN COMMAND
4. (C) LEVEL OFF - IMPROPER - PILOT IN COMMAND
5. (F) VISUAL/AURAL DETECTION - PILOT IN COMMAND

## Factual Information

### Pilot Information

<b>Certificate:</b>	Commercial; Flight instructor	<b>Age:</b>	26, Male
<b>Airplane Rating(s):</b>	Single-engine land; Single-engine sea; Multi-engine land	<b>Seat Occupied:</b>	Unknown
<b>Other Aircraft Rating(s):</b>		<b>Restraint Used:</b>	
<b>Instrument Rating(s):</b>	Airplane	<b>Second Pilot Present:</b>	No
<b>Instructor Rating(s):</b>	Airplane single-engine	<b>Toxicology Performed:</b>	No
<b>Medical Certification:</b>	Class 2 Valid Medical--no waivers/lim.	<b>Last FAA Medical Exam:</b>	October 1, 1981
<b>Occupational Pilot:</b>	UNK	<b>Last Flight Review or Equivalent:</b>	
<b>Flight Time:</b>	5200 hours (Total, all aircraft), 2510 hours (Total, this make and model), 4900 hours (Pilot In Command, all aircraft), 100 hours (Last 90 days, all aircraft), 40 hours (Last 30 days, all aircraft), 4 hours (Last 24 hours, all aircraft)		

## Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	CESSNA	<b>Registration:</b>	N46563
<b>Model/Series:</b>	C-180J C-180J	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>		<b>Amateur Built:</b>	
<b>Airworthiness Certificate:</b>		<b>Serial Number:</b>	18052427
<b>Landing Gear Type:</b>	Float	<b>Seats:</b>	6
<b>Date/Type of Last Inspection:</b>	Unknown	<b>Certified Max Gross Wt.:</b>	2800 lbs
<b>Time Since Last Inspection:</b>	22 Hrs	<b>Engines:</b>	1 Reciprocating
<b>Airframe Total Time:</b>	1400 Hrs	<b>Engine Manufacturer:</b>	CONTINENTAL
<b>ELT:</b>	Installed	<b>Engine Model/Series:</b>	O-470-R
<b>Registered Owner:</b>	KENMORE AIR HARBOR, INC.	<b>Rated Power:</b>	230 Horsepower
<b>Operator:</b>	WEST FLIGHT, INC.	<b>Operating Certificate(s) Held:</b>	
<b>Operator Does Business As:</b>		<b>Operator Designator Code:</b>	

## Meteorological Information and Flight Plan

<b>Conditions at Accident Site:</b>	Visual (VMC)	<b>Condition of Light:</b>	Dusk
<b>Observation Facility, Elevation:</b>	KTN	<b>Distance from Accident Site:</b>	18 Nautical Miles
<b>Observation Time:</b>	19:00 Local	<b>Direction from Accident Site:</b>	290°
<b>Lowest Cloud Condition:</b>	Clear	<b>Visibility</b>	30 miles
<b>Lowest Ceiling:</b>	Unknown	<b>Visibility (RVR):</b>	
<b>Wind Speed/Gusts:</b>	13 knots /	<b>Turbulence Type Forecast/Actual:</b>	/
<b>Wind Direction:</b>	310°	<b>Turbulence Severity Forecast/Actual:</b>	/
<b>Altimeter Setting:</b>	29 inches Hg	<b>Temperature/Dew Point:</b>	57°C
<b>Precipitation and Obscuration:</b>	No Obscuration; No Precipitation		
<b>Departure Point:</b>	KETCHIKAN , AK (KTN)	<b>Type of Flight Plan Filed:</b>	Unknown
<b>Destination:</b>	NOTCH LAKE , AK	<b>Type of Clearance:</b>	None
<b>Departure Time:</b>	19:20 Local	<b>Type of Airspace:</b>	

## Airport Information

<b>Airport:</b>	NOTCH LAKE	<b>Runway Surface Type:</b>	Water
<b>Airport Elevation:</b>	0 ft msl	<b>Runway Surface Condition:</b>	
<b>Runway Used:</b>	22	<b>IFR Approach:</b>	
<b>Runway Length/Width:</b>	4000 ft / 500 ft	<b>VFR Approach/Landing:</b>	Traffic pattern

## Wreckage and Impact Information

<b>Crew Injuries:</b>	1 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>	1 None	<b>Latitude, Longitude:</b>	55.610874,-131.579925(est)

## Administrative Information

**Investigator In Charge (IIC):**

**Additional Participating Persons:**

**Original Publish Date:** September 18, 1983

**Last Revision Date:**

**Investigation Class:** [Class](#)

**Note:**

**Investigation Docket:** <https://data.ntsb.gov/Docket?ProjectID=69628>

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