



Aviation Investigation Final Report

Location:	CAPE YAKATAGA, Alaska	Accident Number:	ANC83LA172
Date & Time:	September 15, 1983, 09:55 Local	Registration:	N3324F
Aircraft:	Hiller-Soloy UH12E	Aircraft Damage:	Substantial
Defining Event:		Injuries:	1 None
Flight Conducted Under:	Part 91: General aviation - Positioning		

Analysis

THE HELICOPTER ROLLED OVER DURING A FORCED LANDING ON A BEACH AFTER THE ENGINE QUIT. DISCUSSIONS WITH THE PLT OWNER OF THE COMPANY VERIFIED THAT THE ACFT HAD RUN OUT OF FUEL. THE OWNER HAD WARNED HIS PILOTS TO VISUALLY CHECK FUEL ON THE HELICOPTERS DUE TO UNRELIABLE FUEL QUANTITY INDICATORS. THE REPLACEMENT FUEL GUAGES HAD BEEN BACKORDERED FOR AN EXTENDED TIME. EXAMINATION OF THE WRECKAGE FOUND THE FUEL LINES TO BE DRY AND LESS THAN ONE GALLON OF FUEL IN THE MAIN TANK.

Probable Cause and Findings

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

Findings

Occurrence #1: LOSS OF ENGINE POWER(TOTAL) - NONMECHANICAL

Phase of Operation: CRUISE - NORMAL

Findings

1. (C) FLUID,FUEL - EXHAUSTION
2. (C) FUEL SUPPLY - INADEQUATE - PILOT IN COMMAND
3. (F) ENGINE INSTRUMENTS,FUEL QUANTITY GAGE - ERRATIC
4. (C) FUEL TANK SELECTOR POSITION - IMPROPER USE OF - PILOT IN COMMAND
5. (F) ENGINE INSTRUMENTS,FUEL QUANTITY GAGE - INCORRECT

- 6. (C) IN-FLIGHT PLANNING/DECISION - IMPROPER - PILOT IN COMMAND
- 7. (C) OPERATION WITH KNOWN DEFICIENCIES IN EQUIPMENT - POOR - PILOT IN COMMAND

Occurrence #2: DITCHING
Phase of Operation: LANDING - FLARE/TOUCHDOWN

- Findings
- 8. (C) AUTOROTATION - PERFORMED - PILOT IN COMMAND

Occurrence #3: ROLL OVER
Phase of Operation: LANDING - FLARE/TOUCHDOWN

Factual Information

Pilot Information

Certificate:	Commercial	Age:	29, Male
Airplane Rating(s):	Single-engine land	Seat Occupied:	Left
Other Aircraft Rating(s):	Helicopter	Restraint Used:	
Instrument Rating(s):	Airplane	Second Pilot Present:	No
Instructor Rating(s):		Toxicology Performed:	No
Medical Certification:	Class 1 Valid Medical--no waivers/lim.	Last FAA Medical Exam:	April 11, 1983
Occupational Pilot:	Yes	Last Flight Review or Equivalent:	
Flight Time:	5110 hours (Total, all aircraft), 844 hours (Total, this make and model), 4935 hours (Pilot In Command, all aircraft), 278 hours (Last 90 days, all aircraft), 7 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Hiller-Soloy	Registration:	N3324F
Model/Series:	UH12E UH12E	Aircraft Category:	Helicopter
Year of Manufacture:		Amateur Built:	
Airworthiness Certificate:	Normal	Serial Number:	1735
Landing Gear Type:	Float	Seats:	3
Date/Type of Last Inspection:	May 1, 1983 Annual	Certified Max Gross Wt.:	3100 lbs
Time Since Last Inspection:	44 Hrs	Engines:	1 Turbo shaft
Airframe Total Time:	3958 Hrs	Engine Manufacturer:	ALLISON
ELT:	Installed, activated	Engine Model/Series:	250-C20B
Registered Owner:	LESLIE C. SOLOY	Rated Power:	315 Horsepower
Operator:		Operating Certificate(s) Held:	On-demand air taxi (135)
Operator Does Business As:	SOLOY HELI-OPS.	Operator Designator Code:	

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	Condition of Light:	Day
Observation Facility, Elevation:		Distance from Accident Site:	
Observation Time:		Direction from Accident Site:	
Lowest Cloud Condition:	Scattered / 15000 ft AGL	Visibility	40 miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	5 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	70°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:		Temperature/Dew Point:	7°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	CAPE YAKATAGA , AK	Type of Flight Plan Filed:	VFR
Destination:	CORDOVA , AK (CDV)	Type of Clearance:	None
Departure Time:	00:00 Local	Type of Airspace:	Class G

Airport Information

Airport:		Runway Surface Type:	
Airport Elevation:		Runway Surface Condition:	Wet
Runway Used:	0	IFR Approach:	None
Runway Length/Width:		VFR Approach/Landing:	Forced landing;Straight-in

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): Stella, Marc

Additional Participating Persons:

Original Publish Date:

Last Revision Date:

Investigation Class: [Class](#)

Note:

Investigation Docket: <https://data.nts.gov/Docket?ProjectID=4172>

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