Aviation Investigation Final Report

Location:	COOS BAY, Oregon	**Accident Number:**	SEA84LA012
Date & Time:	October 20, 1983, 09:30 Local	**Registration:**	N82W
Aircraft:	BELL 212	**Aircraft Damage:**	Substantial
Defining Event:		**Injuries:**	1 None
Flight Conducted Under:	Part 137: Agricultural		

Analysis

THE HELICOPTER SNAGGED A CABLE WITH ITS SKID DURING TAKEOFF AND ROLLED OVER. THE ACFT HAD LANDED FOR FUEL AND WAS TAKINGOFF AFTER REFUELING WHEN A CABLE ATTACHED TO A FERTILIZER DISPENCER CAUGHT ON THE HELICOPTER'S SKID. THE ACFT ROLLED TO THE RIGHT AND FOWARD. IT CAME TO REST 50 FT FROM THE HOVER SPOT ON ITS LEFT SIDE.

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 - IN FLIGHT
Phase of Operation: TAKEOFF - INITIAL CLIMB

Findings
1. (C) CLEARANCE - INADEQUATE - PILOT IN COMMAND
2. VERTICAL TAKEOFF - PERFORMED - PILOT IN COMMAND

Occurrence #2: ROLL OVER
Phase of Operation: TAKEOFF - INITIAL CLIMB

Factual Information

Pilot Information

Certificate:	Commercial	**Age:**	41,Male
Airplane Rating(s):	Single-engine land; Multi-engine land	**Seat Occupied:**	Left
Other Aircraft Rating(s):	Helicopter	**Restraint Used:**	
Instrument Rating(s):	None	**Second Pilot Present:**	No
Instructor Rating(s):		**Toxicology Performed:**	No
Medical Certification:	Class 1 Valid Medical--no waivers/lim.	**Last FAA Medical Exam:**	September 22, 1983
Occupational Pilot:	Yes	**Last Flight Review or Equivalent:**	
Flight Time:	6044 hours (Total, all aircraft), 710 hours (Total, this make and model), 5890 hours (Pilot In Command, all aircraft), 100 hours (Last 90 days, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	BELL	**Registration:**	N82W
Model/Series:	212 212	**Aircraft Category:**	Helicopter
Year of Manufacture:		**Amateur Built:**	
Airworthiness Certificate:	Normal	**Serial Number:**	31156
Landing Gear Type:	Skid	**Seats:**	15
Date/Type of Last Inspection:	October 10, 1983 100 hour	**Certified Max Gross Wt.:**	11200 lbs
Time Since Last Inspection:		**Engines:**	2 Turbo shaft
Airframe Total Time:	806 Hrs	**Engine Manufacturer:**	P&W
ELT:	Installed	**Engine Model/Series:**	PT6T-3B
Registered Owner:	WEYERHAEUSER	**Rated Power:**	1290 Horsepower
Operator:		**Operating Certificate(s) Held:**	
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:	OTH ,14 ft msl	**Distance from Accident Site:**	12 Nautical Miles
Observation Time:	09:00 Local	**Direction from Accident Site:**	90°
Lowest Cloud Condition:	Unknown	**Visibility**	5 miles
Lowest Ceiling:	Broken / 1000 ft AGL	**Visibility (RVR):**	
Wind Speed/Gusts:	5 knots /	**Turbulence Type Forecast/Actual:**	/
Wind Direction:	160°	**Turbulence Severity Forecast/Actual:**	/
Altimeter Setting:	30 inches Hg	**Temperature/Dew Point:**	13°C / 12°C
Precipitation and Obscuration:	N/A - None - Smoke		
Departure Point:		**Type of Flight Plan Filed:**	None
Destination:		**Type of Clearance:**	None
Departure Time:	09:30 Local	**Type of Airspace:**	Class G

Airport Information

Airport:		**Runway Surface Type:**	
Airport Elevation:		**Runway Surface Condition:**	
Runway Used:	0	**IFR Approach:**	None
Runway Length/Width:		**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:**	43.370441,-124.140068(est)

Administrative Information

Investigator In Charge (IIC):	Carrera, Candace
Additional Participating Persons:	
Original Publish Date:	
Last Revision Date:	
Investigation Class:	Class
Note:	
Investigation Docket:	https://data.ntsb.gov/Docket?ProjectID=39847