

**Aircraft Occurrences January 2022**

*Statistics reflect accident information entered into the computer by the Accident and Investigation Office and are current as of the date of this document. The data herein is dynamic and is therefore subject to change due to updated information.*

#Ref	Date of Occ	Registration	Location of Accident	Aircraft Type	Operations (Private, Training)	Province	Fatalities	Circumstances
TBA	01-01-2022	ZU-ERK	Private farm Waterval	Bushbaby	Operation of Non-type Certified Aircraft	MP	0	A pre-flight inspection was conducted, and all was normal. The engine was started, and the aircraft was taxied to the runway threshold and aligned for take-off. The pilot reported that during climb, the aircraft experienced a downdraft and a further loss of lift. The pilot opted to execute a forced landing in a bushy type terrain as he had no other option.
TBA	03-01-2022	ZS-NRJ	DeBeer Venetia Mine Airfield	Jetstream J41	Operation of Larger aircraft	LIMPOPO	0	On 3 January 2022 at approximately 0510Z, a Jetstream J41 twin-engine aircraft operated by Airlink with registration mark ZS-NRJ struck a bird with one of its right-side engine propeller blades during the landing roll at De-Beer Venetia Mine Runway in Musina, Limpopo Province. Onboard the aircraft were three crew members (the Captain, who was the pilot-in-command, First Officer [FO] and a cabin member) accompanied by four passengers on a scheduled commercial flight under the provisions of Part 121 of the Civil Aviation Regulations (CAR) 2011 as amended. The flight was conducted under Instruments Meteorological Conditions (IMC). According to the crew, during the landing roll when the FO was confirming if the spoilers were deployed, he saw a huge bird (Kori Bustard) approaching from the right-side of the aircraft on the runway in use. The bird flew into the right propeller and was struck by one of the blades. There was a severe vibration on No-2 engine. The Captain instantly shut down the affected engine and continued taxiing the aircraft towards the turning circle of Runway 26. After the No-2 engine had stopped, the crew noticed damage on one of the blades. The normal engine shutdown procedure was followed, and the aircraft was brought to a halt on the parking bay.
TBA	04-01-2022	ZT-XEJ	TFR station around Pullens Hope	Mavic drone	Remotely Piloted Aircraft Systems)	MP	0	According to the reporting of the occurrence, the drone during a surveillance operation lost signal whilst at a point 2.21miles along the railway line. According to the design characteristics of the drone, upon loss of signa, it will divert from the point directly to the direction of a launched position. During a return flight the drone collided with the cooling exhaust tower at Hendrina Power Station which was between the pint of launch and the point where it lost the signal at the time of operation.
TBA	07-01-2022	ZU-DHA	Klein Bray Farm	Raven Underhay	Operation of Non-type	NW	0	The pilot stated that he took off from a private strip on the Dorchester Farm without incident. However, when the aircraft had flown for approximately 10



					Certified Aircraft			minutes, his aircraft engine stopped. The pilot then executed a forced landing on a farm within his glide range. The aircraft sustained substantial damage to the propeller, wings and undercarriage.
TBA	08-01-2022	ZS-XPC	Elandsfontein Farm in Fochville	Air-Tractor	Operation of Non-type Certified Aircraft	GP	0	The pilot reported that the accident occurred during the 8th spray run whilst following his spray line after uplifting the second load of insecticide. Towards the end of the field/spray run and during a climb and a left turn, the pilot felt a slight thud on the left wing. The pilot stated that after he had completed his turn and had lined up for his next run, he became aware of people running towards the end of the field. That is when he realised something was wrong. He then contacted the farmer who informed him that his son, who was taking a video of the aircraft as it was approaching during the spray run on the ground, was accidentally hit by the aircraft. The pilot navigated the aircraft towards the farm airstrip and landed safely. The son sustained serious injuries to his left knee and was rushed to hospital where he underwent surgery. From the video footage (taken by the son before the accident), two people (out of breath) are heard running (presumably towards the aircraft line of spray). According to the pilot, he was not aware of their presence in that area, and he did not see them.
TBA	12-01-2022	ZS-IWG	Uitenhage Aerodrome	Cessna 182P	Aviation Training Organisation & Air transport operations	EC	0	The instructor stated that when they were at Uitenhage Aerodrome conducting a precautionary landing for training purposes approximately at 900 feet altitude, he noticed a big brown bird flying overhead and close to the aircraft. This was followed by a loud thud sound. The instructor immediately took over the controls and checked for control integrity. No loss of control was experienced. They then routed back to FAPE and landed without incident. Upon landing, the inspected the aircraft and noticed that bird had struck the vertical stabilizer of the aircraft.
TBA	05-01-2022	ZT-WYX	Impala Platinum mine Rustenburg	Arace Sirin Multirotor	Remotely Piloted Aircraft Systems)	NW	0	According to the drone pilot, the drone took off and 10 minutes into the flight and approximately 560m from the take-off point, the drone disconnected and did not return to take-off point. The drone has not been recovered.
TBA	20-01-2022	ZU-IMN	Shongweni	Windlass Aquilla	Agricultural Operations	KZN	0	The pilot reported that after take-off for the second take, the engine lost power and the pilot decided to turn back to the airstrip but could not make it to the airstrip and crashed approximately 60m short of the airstrip.
	16 01-2022	ZT-WUL	Glencore Goedgevonden Zaiiwater	Matrice-200	Remotely Piloted Aircraft Systems)	MP	0	According to the pilot, he stated that he was notified that his assistance was required to track down the people on the mine's property at Goedgevonder mine Zaiiwater who stole the cable. Upon taking off the pilot spotted eight suspects carrying the cable. He notified the security guards. The drone continued to follow the suspects and provide location overhead the suspects. The drone was approximately 500m from the pilot and the connection was good without any errors. After 13min of flight an error stating ESC malfunctioned, that resulted in the drone to spiral down and crashed whereafter disconnected from the pilot controller. When the drone crashed it was flying above about few meters from the suspects. Upon searching for the drone, the pilot only recovered pieces of the rotor and a tracking unit however the drone was not found at the crash site.



	23-01-2022	ZT-WVS	Sibanye Westonaria- Lebanon Park	Matrice-200	Remotely Piloted Aircraft Systems)	GP	0	According to the pilot he stated that the accident flight was the 10th flight for the day. The circuit was flown in auto mode, as the circuit was finished there was adequate battery life remaining. The pilot proceeded in fly-by-wire (FWB) mode to area close to landing site to check if the vehicle spotted earlier was still parked at the same place. Shortly thereafter an orange caution message (Inertia Measurement Unit (IMU) attitude) popped up on the screen. Shortly thereafter the image on the screen spun around until there was no image displaying. The UAV disconnected and crashed. The pilot contacted dispatch to locate the Bidtrack and UAV was located moments thereafter.
	24-01-2022	ZU-DFP	Krugersdorp airfield	Jabiru J400	Aviation Training Organisation & Air transport operations	GP	0	According to the instructor, he stated that during landing roll, the brakes were not effective in stopping the aircraft in the remaining runway. The aircraft exited the runway to the right. The aircraft went over an embankment and nosed over coming to rest in an inverted position.
	25-01-2022	ZS-OMK	Sedibeng	Air tractor	Agricultural Operations	GP	0	According to the pilot he stated that he conducted 5 spray runs on the crops. During the sixth spray the aircraft collided with the high-tension wires. The vertical stabilizer caught the wire and the pilot lost rudder effectivity. As a result, the pilot lost control of the aircraft and crashed about 800m from the wires. He further stated that he misjudged the wires as he normally flew under the wires during the previous spray runs. They were no fault with the aircraft prior to collision with the wires.
	31-01-2022	ZT-UWB	Sun City Resort	Mavic Enterprise Advance	Remotely Piloted Aircraft Systems)	NW	0	The pilot stated that he was distracted by a text message on his mobile phone and paused the flight four minutes after take-off. The pilot later un-paused to resume flight with new waypoints but had lost visual contact. He attempted to retrieve the aircraft by applying the return to home function (RTH), to no avail. The drone was not recovered.
TBA	21-01-2022	ZT-WAX	Glencore Tweefontein Coal Mine	Matrice-200	Remotely Piloted Aircraft Systems)	MP	0	The pilot stated that he was investigating an unusual heat signature picked up with the drone's infrared camera. He descended the RPAS closer to the object, but the drone started spiralling down and disconnected from the controller. The UAV crashed down to the ground. The pilot proceeded to the crash site to recover the damaged UAV. All parts were retrieved
TBA	31-01-2022	ZS-SYJ	FAPA	Piper Archer III	Aviation Training Organisation & Air transport operations	EC	0	The pilot reported that he experienced electrical power failure in flight and executed a precautionary landing at an open grass field. The aircraft sustained damage to the left wing during the landing roll.
TBA	22-01-2022	ZS-HHJ	Silver Mine Nature Reserve	Bell 212 UH1H	Agricultural Operations	WC	0	According to the pilot, there were two fire-bombing flights that were conducted prior to the incident flight. The water that was used for fire-fighting (bombing) was collected from Silver Mine Dam which is located in the vicinity of the nature reserve. The pilot further stated that during the dunking of the Bambi bucket, it appeared as if it did not fully submerge into the water. This resulted in the cable getting entangled during lifting of the Bambi. The pilot then elected to



								dump/release the load and repositioned the helicopter for landing to fix the entangled cable. While flying over a ridge, the pilot observed the bucket spinning (it disappeared from the mirror and from his line of vision). The wind was gusting whilst flying over the ridge, according to the pilot. He further stated that he descended the aircraft while keeping airspeed at 20 knots and landed safely on the soccer field at Chrysalis Academy. During walk-around, the pilot noticed the Bambi bucket in the vicinity of the tail rotor guard and some marks on the tail rotor blades and some abrasion marks on the tail rotor guard, indicative of the Bambi bucket coming into contact with the helicopter during flight/landing. The pilot did not experience any vibration nor loss of tail rotor authority during repositioning. He stated that the helicopter behaved normally. The aircraft damage was limited to tail rotor blades and no injuries were reported
TBA	23-01-2022	ZS-BDE	The Coves airfield	EXTRA300	Operation of Non-type Certified Aircraft	NW	0	According to the pilot, he remembers closing the canopy but could not recall latching it fully to secure it in its place. During the take-off run on Runway 36 whilst at full power, the canopy opened. The pilot tried to grab the canopy, but was unable to as it opened very quickly. He applied the brakes and selected the throttled back to abort take-off, but the aircraft nosed over a result of his inputs; the propeller came to contact with the ground. The damages were limited to the propeller tips. No injuries were reported. During a follow-up with the AME who maintains the aircraft, he stated that he tested the latch, and the operation of the latch appeared to be serviceable. During a follow-up with the pilot, he stated that he had been flying the aircraft for the past 12 years and this was the first incident. He further stated that it was likely that the latch was not secured properly, resulting in the canopy opening during take-off.

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