

2020-05-20, 0937L, N612R FLIPPED OVER ON
TAKEOFF AFTER LAUNCHING FROM SURFSIDE
SEA BASE, LINO LAKES, MN
WX VFR, WINDS 120/09 PERHAPS UP TO 13KTS
NO MECHANICAL ISSUES REPORTED



EXTENSIVE WING DAMAGE





PROP APPEARS UNDAMAGED. TAIL APPEARS UNDAMAGED, RUDDER AND ELEVATOR HAVE CONTROL CONTINUITY. AILERONS WOULD MOVE BY DIRECT CONTACT ONLY AS SLACK IN CABLES BUT CABLES COULD BE HEARD MOVING.

FIREWALL AND ENGINE AND
ENGINE MOUNTING FRAME
APPEARS TO HAVE NO VISIBLE
DAMAGE.



NO APPARENT FIREWALL OR ENGINE OUNT DAMAGE.



Ruler

Line | Path | Polygon | Circle | 3D path | 3D polygon

Measure the distance between two points on the ground

Map Length: 1,050.07 Feet

Ground Length: 1,050.12

Heading: 221.81 degrees

Mouse Navigation

Save Clear

WINDSOCK



TAKEOFF PATH
APROX
220 DEG

SA 20/05/2020 15:45-> METAR KANE 201545Z 11012G19KT 10SM BKN022 19/12 A3015=
 SA 20/05/2020 14:45-> METAR KANE 201445Z 12012KT 10SM OVC026 18/11 A3015=
 SA 20/05/2020 13:45-> METAR KANE 201345Z 12009KT 10SM OVC023 17/11 A3015=

BUOY



PLANE

LEFT TURN
AROUND BUOY
WITH INTENT



WIND SE

ACCIDENT TOOK PLACE AT 1437Z
 INTIAL RUN LEFT QUARTERING
 TAILWIND BY 10 DEG/12 KTS
 USING KANE AIRPORT. HELO
 OVERFLYING 30 SECONDS AFTER
 IMPACT REPORTS SE WIND 12-15
 WITH CHOP.

Ruler

Line | Path | Polygon | Circle | 3D path | 3D polygon

Measure the distance between two points on the ground

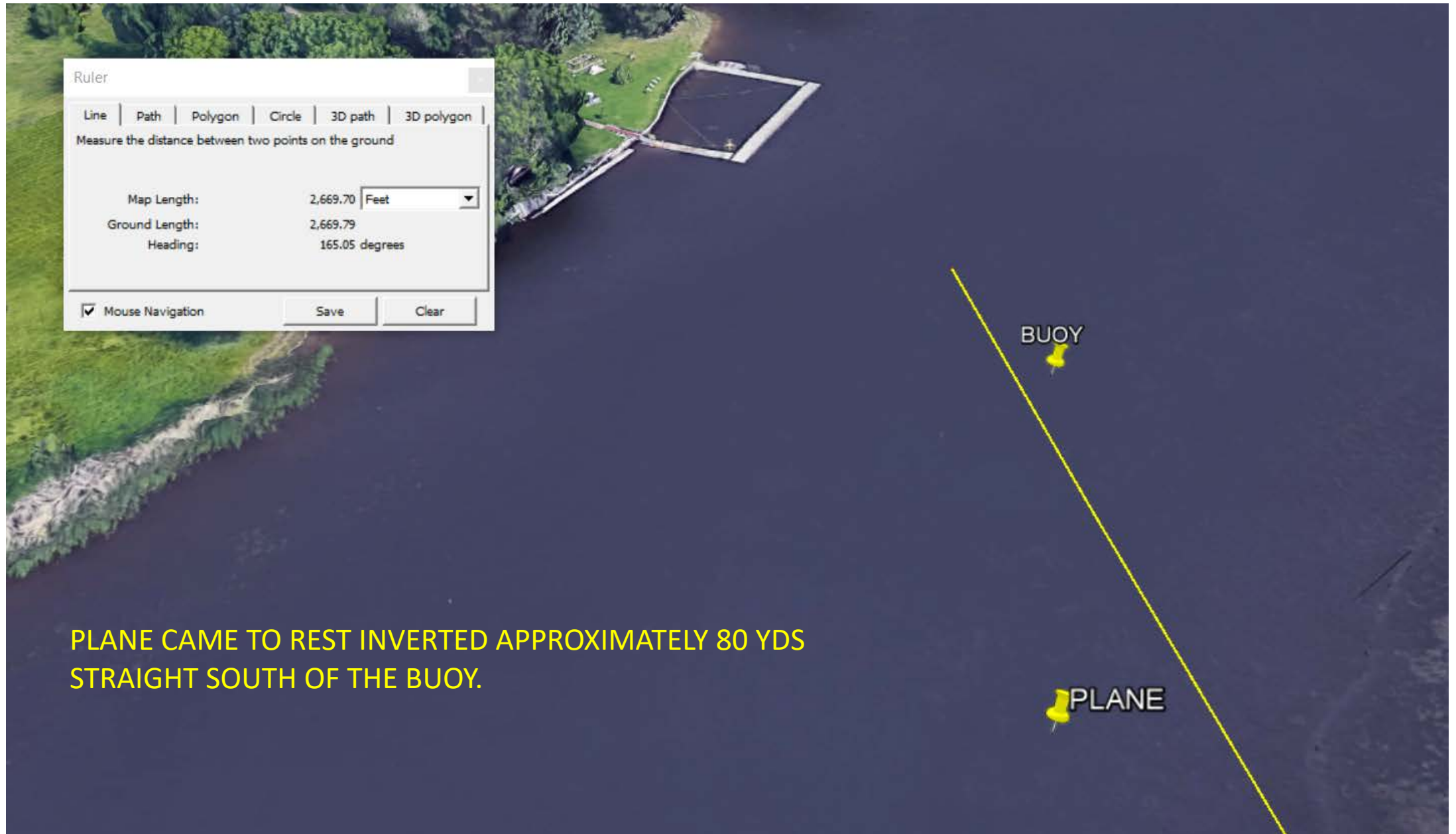
Map Length:	2,669.70	Feet
Ground Length:	2,669.79	
Heading:	165.05	degrees

Mouse Navigation Save Clear

BUOY
PLANE

Rise Lake

AFTER TURNING AROUND BUOY, INTENT TO FLY LEFT OF THE HOUSES IN THE DISTANCE, WHICH LINED UP WITH A BREAK IN THE SURFACE WEEDS. ROLLOUT HEADING APPROX. 165 DEG



Ruler

Line | Path | Polygon | Circle | 3D path | 3D polygon

Measure the distance between two points on the ground

Map Length:	2,669.70	Feet
Ground Length:	2,669.79	
Heading:	165.05	degrees

Mouse Navigation

Save Clear

PLANE CAME TO REST INVERTED APPROXIMATELY 80 YDS STRAIGHT SOUTH OF THE BUOY.

PLANE

BUOY

Ruler

Line | Path | Polygon | Circle | 3D path | 3D polygon

Measure the distance between two points on the ground

Map Length: 1,184.27 Feet

Ground Length: 1,184.32

Heading: 120.27 degrees

Mouse Navigation

Save Clear



WIND LINE FROM A 120 DEG

SUSPECT; WITH A SLIGHT QUARTERING TAILWIND FROM THE LEFT, WHILE MAKING A LEFT TURN THERE ARE CENTRIFIGUL FORCES ACTING TO THE OUTSIDE OF THE TURN (TO THE RIGHT), AND AT SOME POINT THE LEFT QUARTERING TAILWIND DOES BECOME A DIRECT LEFT CROSSWIND AMPLIFYING THE EFFECT OF A FORCE TO LIFT THE LEFT WING.

POTENTIALLY A GUST MAY HAVE BEEN PRESENT AS WELL.

PILOT AT CONTROLS REPORTS; A FORWARD RIGHT DIRECTION OF TRAVEL AS THE FRONT OF THE RIGHT FLOAT SINKS DOWN IN THE WATER.