

## **LAUNCH & RECOVERY: Quarter-Scale Piper Cub UAS**

**Summary:** The Quarter-Scale Piper Cub UAS described here has landing gear, taking off and landing like a conventional aircraft. During takeoff and landing, it is controlled by the Pilot-in-Command using the Control Console. Control of the UAS is under manual radio control.

### **Takeoff:**

Takeoff is a conventional takeoff, into the wind, under radio control by the Pilot-in-Command (PIC). The UAS will fly a left hand pattern leaving the launch area as it climbs to the altitude for that particular flight.

### **Recovery:**

Recovery is conventional descent and left hand procedure turns as the UAS descends to landing pattern altitude. It will fly final approach into the wind with touchdown and taxi; all are under radio control by the PIC.

### **Launch & Recovery Area:**

The Quarter-Scale Piper Cub UAS will be launched and recovered from a mowed grass field that runs E-W in the center of a farm in Menlo, GA (the Area of Operation). The farm that comprises the area of operations is approximately 2 sq. mi. of grass fields and flat, useable land with no occupied structures. The area of operations for this flight is part of this area and comprises approximately 0.5 sq. mi. A recent aerial photo of the launch and recovery site is shown below.



**Launch and Recovery site (top of frame is looking NW)**

Another aerial view is shown below. This photo includes the area of operations, showing the launch and recovery site and its relation to the nearest community of Menlo, Georgia.



**Area of Operations showing Launch and Recovery Site inside Rectangle**

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