

FLIGHT AREA OPERATIONS PLAN

The flight area of operations is located in North Georgia's Dawson County and is comprised of rolling hills and forest area. There are few occupied dwellings inside the AO and no heavily travelled roads. The AO is designed around a private airport, Elliott Field (30GA). A letter of agreement between Elliott Field and GTRI is in process at the time of this application. The AO is defined by a rectangular boundary connecting four waypoints. These waypoints and their coordinates and elevation are listed below. The waypoints are chosen to avoid air routes and alert areas to the north and south.

Normal UAS operations may be below 1,200 ft AGL. Certain research requirements may plan for operations up to and below 5,000 ft AGL. Since the AO is comprised of varying elevations from 1,234 ft MSL to 1,632 ft MSL, this presents a requirement to mitigate sense and avoid of manned aircraft while conducting UAS operations.

During operations, a network of Visual Observers will be placed for optimum coverage of the airspace over the AO. All operations at lower (pattern) altitudes will maintain the UAS within visual range of Pilot-in-Command (PIC) and visual observers. Observers will NOT be 'daisy-chained' such that the UAS passes out of observers' sight. For operations that may extend above or beyond PIC line of sight, a chase aircraft with dedicated visual observer will be used.

Coordinates of Waypoints (Lat/Long Ground Elevation):

NW:	34°29'54.97"N/84°14'45.19"W	1,438 ft MSL
NE:	34°29'54.57"N/84°9'6.46"W	1,632 ft MSL
SW:	34°19'51.51"N/84°14'32.55"W	1,063 ft MSL
SE:	34°19'40.33"N/84°8'42.38"W	1,234 ft MSL

The AO is show in the following three figures. Figure 1 is a closeup view of the AO showing more detail on the CG-21 WAC sectional (ATL). The AO is shaded. Figure 2 shows a wider aerial view of the AO with the AO shaded. The last figure is a satellite views of the AO.



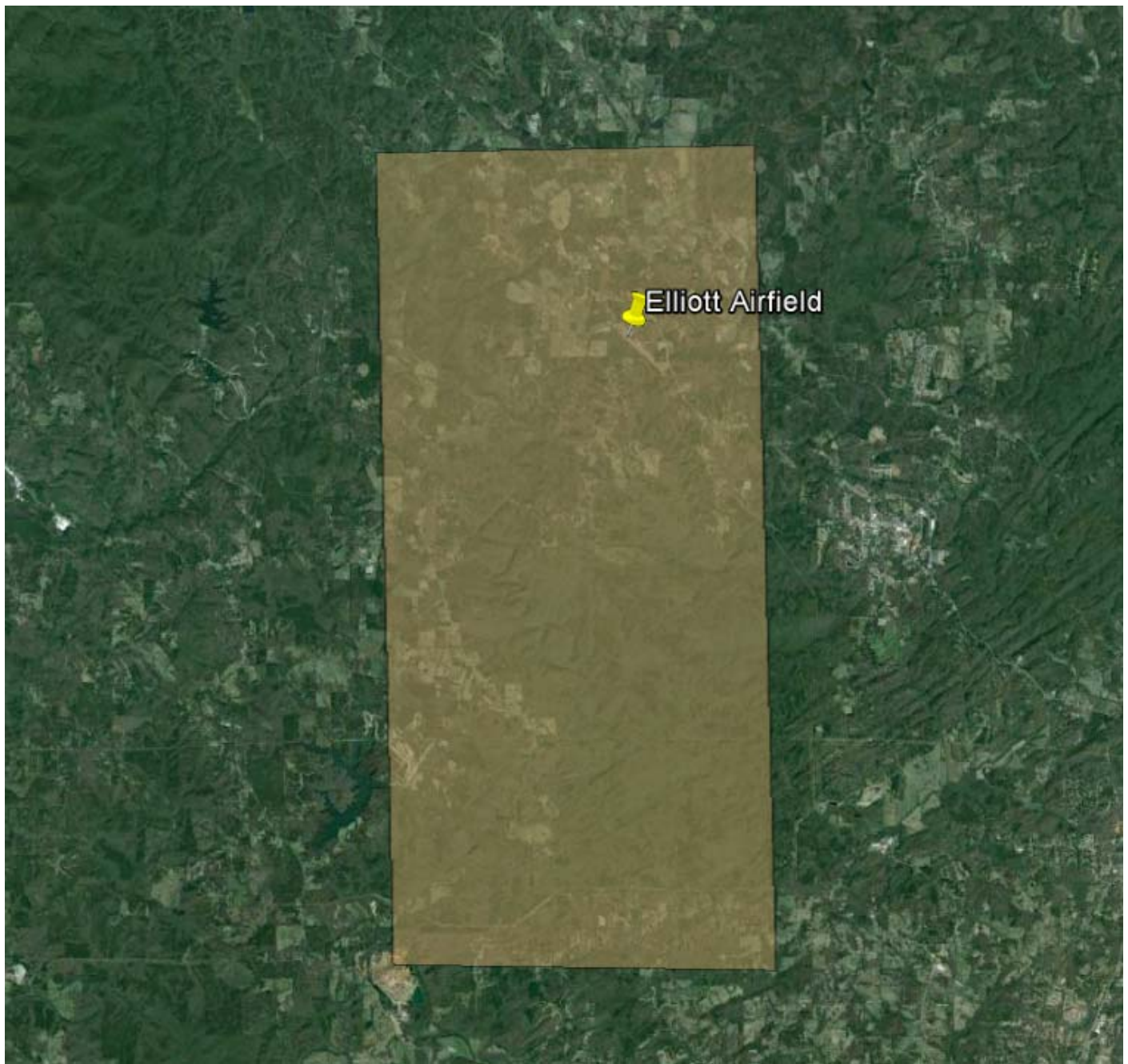


Figure 2. Area of Operations satellite view

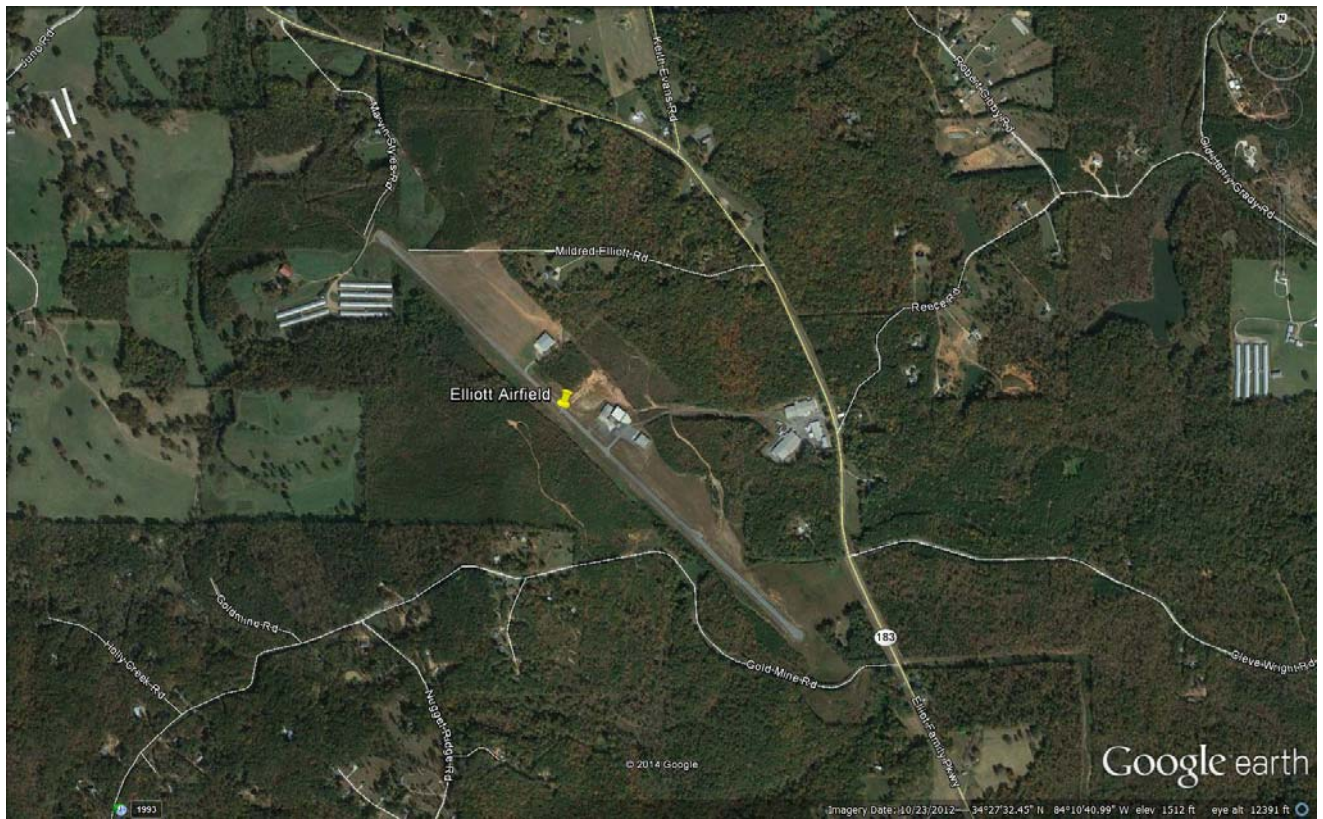


Figure 3. Close up Aerial View showing Elliott Field (30GA)