

Keep Out Zone Coordinates

Keep-Out Zones from Previous COA - WSFM 2007 Zone A with LA UAS COA Application Attachment

NASA Dryden Flight Research Center (DFRC) has procured from General Atomics – Aeronautical Systems Incorporated, an MQ-9 Reaper aircraft and a Ground Control Station (GCS). DFRC has assigned the number “NASA 870” to the aircraft and renamed it “Ikhana” (pronounced ee-kah-nah, a Native American word from the Choctaw Nation meaning intelligent, conscious, or aware).

The NASA DFRC Range Safety Office (RSO) has identified population Keep Out Zones (KOZ) in the vicinity of the requested Ikhana Local Area boundaries. The population Keep Out Zones within the Ikhana Local Area define areas of population that the NASA DFRC Range Safety Office designates are not to be over-flown. The NASA DFRC Range Safety Office periodically reviews and modifies the population Keep Out Zones. Population Keep Out Zones may be modified by the NASA Range Safety Office without notification to the FAA. See Figure 1 - Local Area with Population Keep Out Zones.

Population Keep Out Zones

1. Barstow – partially within Local Area

Beginning at:

N 34.91565° W 117.14003°
 N 34.94393° W 117.00663° 6.8nm / 76°
 N 34.8856° W 116.92995° 5.1nm / 133°
 N 34.84685° W 116.93035° 2.3nm / 180°
 N 34.83913° W 117.05572° 6.2nm / 266°
 N 34.84685° W 117.15477° 4.9nm / 275°
 N 34.91565° W 117.14003° 4.2nm / 10°

Thence to the point of beginning.

Total Perimeter Distance: 29.5nm

2. North of Helendale – entirely within Local Area

Beginning at:

N 34.84058° W 117.30033°
 N 34.83983° W 116.29030° 0.5nm / 95°
 N 34.80660° W 116.29230° 1.9nm / 183°
 N 34.80710° W 117.30233° 0.5nm / 274°
 N 34.84058° W 117.30033° 2.0nm / 003°

Thence to the point of beginning.

Total Perimeter Distance: 4.9nm

3. Helendale – entirely within Local Area

Beginning at:

N 34.76923° W 117.35252°
 N 34.76248° W 117.31933° 1.6nm / 104°
 N 34.71925° W 117.33762° 2.7nm / 199°

N 34.72917° W 117.37600° 1.9nm / 287°
 N 34.76923° W 117.35252° 2.7nm / 26°
 Thence to the point of beginning.
 Total Perimeter Distance: 8.9nm

4. Adelanto/Victorville/Apple Valley – partially within Local Area

Beginning at:

N 34.59271° W 117.45067°
 N 34.61894° W 117.33468° 5.9nm / 75°
 N 34.54306° W 117.14967° 10.2nm / 116°
 N 34.41266° W 117.13319° 7.8nm / 174°
 N 34.41275° W 117.18589° 2.6nm / 270°
 N 34.39990° W 117.20041° 1.0nm / 223°
 N 34.36920° W 117.20297° 1.8nm / 184°
 N 34.36370° W 117.39178° 9.3nm / 268°
 N 34.59271° W 117.45067° 14.0nm / 348°

Thence to the point of beginning.

Total Perimeter Distance: 52.6nm

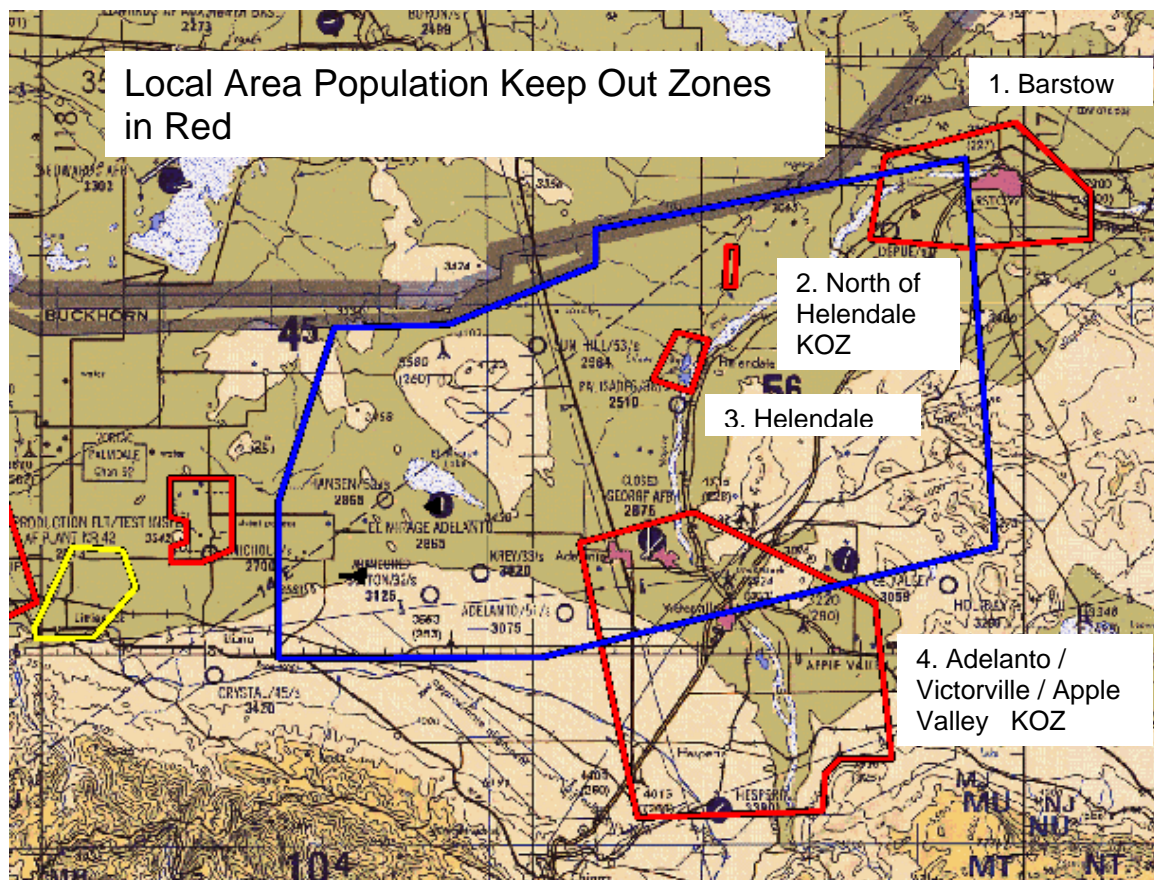


Figure 1 - Local Area with Population Keep Out Zones