

# ALZ HAWKEYE OPERATIONS:

- ALZ HAWKEYE OPERATIONS: *\* EFR/CFR/ARF Support and Road Guards SHALL be required when conducting KC-130 Full Stop Landing and Take off. It is incumbent upon the scheduling unit to ensure that this is arranged and subsequently scheduled prior to the approval of scheduled KC-130 Take Off & Full Stop Ops.*
- ALZ HAWKEYE Official, Certified, Survey has been published and can be found in both the the ZAR & Talon Point websites.
- \* attached a copy IOT provide SA to ALCON
- - It is recommended that Squadrons requesting HAWKEYE ALZ's shall identify intent at the 3MAW Bidders conference; requests shall be prioritized IAW the MCAS YUMA Priority Matrix.
- - Aircrew shall select The Event "ALZ OPS AT HAWKEYE" IOT schedule.
- - Aircrew shall contact all necessary support IOT conduct their specific training (see below).
- - Once Airspace is scheduled Co-Use with Ground units should be identified
- BE ADVISED: currently there are NO written procedures within STAO 3710.6J for HAWKEYE other than ensuring you schedule the TACTS Lo 0-200ft AGL and TACTS Lo 200-5K and then ensure you choose the Event "ALZ OPS AT HAWKEYE". In addition all Ground units must submit separate requests for ALZ HAWKEYE the Ground Facility in RFMSS for any support they are providing scheduled Air units.
- For MMT Support: MACS-1 Det C @ (928)269-6937
- For ERF Support: MWSS-371 Operations @ (928)269-3202/2532
- Please provide MMT POC/RSO and/or MWSS (ERF) and ensure they are scheduled via RFMSS for HAWKEYE Ground.
- For GTR/OPFOR Identify within the Communications Tab of RFMSS Request:
  - Contact Yuma Range Support (SST/Ducky Lights/Battlefield effects/HD TARGETS) @ 928-446-8476
  - Contact SWTTR For EW/MANPADS/Emitters & Radar threats Contact SWTTR @ 928-269-1650
- \*\* See attached Survey for when ERF is required
- Road guards shall be provided by MMT throughout these missions or requesting unit if Touch & Go's/Non Full Stop missions
- Road Guards:
- UNIT Shall provide Road guards and ensure each road guard has an LMR Radio programmed with "LEG IRON" frequency.
- (2) teams of Road Guards shall be positioned on Military Drag Rd, NLT 500m from the each respective Northern RWY Point. \* For points see attached Map & survey.
- Road guards shall have LMR Radios and ensure (2) Way positive radio communications with Leg Iron.
- Road Guards shall only stop traffic upon Aircraft Take-off and Landing while allowing agencies and transiting vehicles to pass when able.



# ALZ HAWKEYE ROAD GUARDS



MILITARY DRAG RD.

RG#2: 11S QS 74736 09774

RG#1: 11S QS 74111 09473

Training Area Barry M Goldwater

**D-1 MILITARY DRAG**



30 E

30 E



Open

For Official Use Only (FOUO)

USMC

<b>LANDING ZONE SURVEY</b>	1A. LZ NAME Hawkeye LZ	1B. ZAR INDEX NO. UMCUSALZ00003-U	2A. COUNTRY United States of America	2B. STATE Arizona
	3. MAP SERIES/SHEET NUMBER/EDITION/DATE OF MAP WTI OPAREA SPECIAL MAP / Edition 2 / 9/2013			
<b>4. SURVEY APPROVAL/DISAPPROVAL DATA</b>				
4A. DATE SURVEYED 06 Oct 2020	TYPED NAME AND GRADE OF SURVEYOR James R. Carfora, CWO2		PHONE NUMBER (DSN) 269-2755	UNIT MAWTS-1, MCAS Yuma
4B. DATE REVIEWED 13 Oct 2020	TYPED NAME AND GRADE OF REVIEWER Charles Kuhnmuensch, Major		PHONE NUMBER (DSN) 2693539	SIGNATURE <b>Charles Kuhnmuensch</b> <small>Digitally signed by Charles Kuhnmuensch Date: 2020-10-13 13:48:02 -07:00</small>
4C. DATE 15 Oct 2020	TYPED NAME AND GRADE OF APPROVING AUTHORITY Col Steve Gillette, O-6		PHONE NUMBER (DSN) 269-2060	SIGNATURE <b>Col Steve Gillette</b> <small>Digitally signed by Col Steve Gillette Date: 2020-10-15 20:37:56 -07:00</small>
APPROVED <input checked="" type="checkbox"/> DISAPPROVED <input type="checkbox"/>	UNIT AND LOCATION MAWTS 1, MCAS Yuma, AZ			
<b>5. COORDINATING ACTIVITIES</b>				
LZ CONTROLLING AGENCY OR UNIT MCAS Yuma AZ			PHONE NUMBER (DSN) 928-269-3327	
RANGE CONTROL Leg Iron, Yuma Range Control Facility, MCAS Yuma			PHONE NUMBER (DSN) 928-269-7080	
<b>6. LZ DIMENSIONS (FEET)</b>				
LENGTH 3,511.67 ft / 1,070.35 m	WIDTH 60 ft / 18.28 m	APPROACH END OVERRUN LENGTH 300 ft / 91.44 m	DEPARTURE END OVERRUN LENGTH 300 ft / 91.44 m	
LEFT CLEAR ZONE 35 ft / 10.66 m	LEFT SHOULDER 10 ft / 3.04 m	RIGHT CLEAR ZONE 35 ft / 10.66 m	RIGHT SHOULDER 10 ft / 3.04 m	
<b>7. LZ AXIS DATA</b>				
A. MAGNETIC 137.51° / 317.51°	B. GRID (UTM) 146.45° / 326.45°	C. TRUE 148.03° / 328.03°	D. SOURCE/DATE OF VARIATION DATA WMM 2020	
8. GROUND POINT ELEVATION FOR RUNWAY	A. APPROACH END 541 ft MSL	B. DEPARTURE END 542 ft MSL	C. HIGHEST 542 ft MSL	
<b>9. LZ COORDINATES</b>				
A. SPHEROID/DATUM WGS84 / WGS84	B. GPS DERIVED <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	C. GRID ZONE 11 S	D. EASTING 07	E. NORTHING 36
F. LZ CENTER-POINT	MGRS COORDINATES 11S QS 74816 09044	WGS84 LATITUDE (D-M.MM) 32° 35.089' N	WGS84 LONGITUDE (D-M.MM) 114° 04.339' W	
G. APPROACH END	MGRS COORDINATES 11S QS 74520 09490	WGS84 LATITUDE (D-M.MM) 32° 35.335' N	WGS84 LONGITUDE (D-M.MM) 114° 04.520' W	
H. DEPARTURE END	MGRS COORDINATES 11S QS 75112 08598	WGS84 LATITUDE (D-M.MM) 32° 34.843' N	WGS84 LONGITUDE (D-M.MM) 114° 04.158' W	
<b>10. LZ SURFACE DATA</b>				
A. SURFACE Stabilized Soil	B. SOIL STRENGTH PROFILE Rwy 14/32 / Surface 7" CBR 35 / Subbase 10" CBR 24 / Subgrade CBR 26 (See Remarks)			
<b>11. LZ LONGITUDINAL PROFILE</b>				
A. GLIDE SLOPE RATIO Rwy 14: 56:1 / Rwy 32: 65:1		B. LONGITUDINAL RUNWAY GRADIENT Rwy 14: +0.03% / Rwy 32: -0.03%		
<b>12. TRANSVERSE SECTION GRADIENTS</b>				
A. LEFT TRANSITION AREA +0.2%	B. LEFT GRADED AREA +0.2%	C. LEFT SHOULDER +0.1%	D. LEFT HALF RUNWAY +0.1%	
E. RIGHT TRANSITION AREA +0.2%	F. RIGHT GRADED AREA +0.1%	G. RIGHT SHOULDER +0.1%	H. RIGHT HALF RUNWAY +0.1%	
I. PENETRATIONS End of Usable EOU 1. Rwy 14 EOU: MGRS: 11S QS 74470 09567 / LL: 32° 35.377' N 114° 04.551' W / Elev: 541' MSL 2. Rwy 32 EOU: MGRS: 11S QS 75163 08521 / LL: 32° 34.801' N 114° 04.127' W / Elev: 542' MSL  Rwy Controlling Obstacles CO: *Distances referenced from Obstacle to Runway Threshold - Rwy 14 CO: 11 ft Brush 11S QS 74401 09633 / Elev: 541 ft MSL / 610 ft @ GSR 56:1 1.03° - Rwy 32 CO: 7 ft Brush 11S QS 75201 08494 / Elev: 542 ft MSL / 450 ft @ GSR 65:1 0.89°				

AF IMT 3822, 20021001, V1 / PDF COPY OF ORIGINAL V2.0

Open

For Official Use Only (FOUO)

USMC

Open

For Official Use Only (FOUO)

USMC

## LZ NAME

Hawkeye LZ

## 13. LZ DIAGRAM

See Attached Diagram

## 14. REMARKS

Supported units commander accepts responsibility for damage to equipment, property, and/or injury to personnel.

Coordinates, elevation data derived from Trimble R8 GNSS.

- Horizontal margin of error +/- .5 meters, Vertical margin of error 1.5 X horizontal error.
- MAGVAR 10.51° E Changing 0.09° West per year derived from WMM 2020 as of 06 October 2020.

## 1. Administration / Coordination / Scheduling Instructions:

- LZ resides in the R-2301W range.
- For LZ use and scheduling contact Yuma Range Control.
- LZ was recently constructed in October 2020 with the use of Operational Dirt.

2. Obstacles/Hazards on the LZ: All obstacles will be oriented, then referenced left or right of Rwy Centerline - All headings magnetic/see attached diagram User or LZSO are responsible for identifying/ confirming ALL obstacles/hazards prior to conducting operations

- Rwy 14 / 32 overall SPACI Rating 95 = Green
- RCR: 20
- Dust / Green - Does not obstruct visibility
- Aggregate: None
- Rolling Resistance Material: None
- Jet Blast Erosion: None
- Stabilized Layer Failure: None
- Maintained Areas:
  - 1'-12' brush / +0' - 3500' / R 112'
  - 1'-12' brush / +0' - 3500' / L 102'

## i. Clear Areas:

- Military Tank / +470' / L 278' / 15'
- Military Tank / +1091' / R 292' / 15'
- Sonora Cactus / +2048' / L 366'
- Military Tank / + 2155' / L 378' / 15'
- Military Tank / +2582' / R 277' / 15'

j. A - Zones: Un-restricted semi-improved road perpendicular to Rwy, 217' from EOU

k. B - Zones: None

## 3. Rapidly Rising/Mountainous Terrain 10 NM Radius:

- 690'MSL / Coyote Wash Hills / 1.05 NM / oriented South West
- 1192'MSL / Wellton Hills / 3.4 NM / oriented South West
- 3156'MSL / Gila Mountains / 8.25 NM / oriented South West
- 2888'MSL / Copper Mountains / 6.4 NM / oriented South East
- 1415'MSL / Baker Peaks / 4.9 NM / oriented North East
- 473'MSL / Radio Tower / 6.4 NM / oriented North West at 310°

## 4. Airspace 10 NM Radius:

- Hawkeye LZ is located in restricted area, specifically the R-2301W Ajo West, AZ - Boundaries. Beginning at the intersection of the United States-Mexican Border and long. 113°30'33"W.
- IR218 with westbound directional markings runs down to the boundary of the northern portion of R-2301W towards Yuma.
- V66 is a bi-directional airway north of the restricted area roughly 1.5KM and is transited by civil/military air traffic enroute to local destinations Phoenix, Gila Bend.
- Northeast of the LZ has VR1267-1267A-1268 southwest bound directional routing.

## 5. Notes:

- There is no ARFF on site. Requests for ARFF support need to be coordinated with Yuma Range Control if needed.
- LZ is accessible via ground by 4x4 and tactical vehicles only.
- Road on 14 approach will require road guards during operations. This road is unrestricted and used for both government and recreational uses. Recreational users require permit issued by Yuma Range Control to operate within the range complex.

## 6. Rwy DCP Data processed with PCASE 2.09.06 / 22 DCP readings taken to a depth of 24 inches.

- Controlling Reading CBR: 7" Surface CBR: 35 / 10" Subbase CBR: 24 / Subgrade CBR: 26

## 15. PHOTOGRAPHY AVAILABLE

☒ YES
 ☐ NO

## LOW LEVEL ROUTES

☒ NONE AVAILABLE

☐ ROUTE NAME/DESIGNATOR

Open

For Official Use Only (FOUO)

USMC

Open

For Official Use Only (FOUO)

USMC

LZ NAME

Hawkeye LZ

16.REMARKS (CONTINUED)

- b. Controlling Layer: 10" Subbase CBR: 24
- c. KC-130 / 175,000 lbs / 160,098 Passes

7. East Parking Apron 250' x 400' DCP Data processed with PCASE 2.09.06 / 1 DCP readings taken to a depth of 24 inches.

- a. Controlling Reading CBR: 10" Surface CBR: 36 / 10" Subbase CBR: 44 / Subgrade CBR: 38
- b. Controlling Layer: 10" Surface CBR: 35
- c. KC-130 / 175,000 lbs / 293,531 Passes

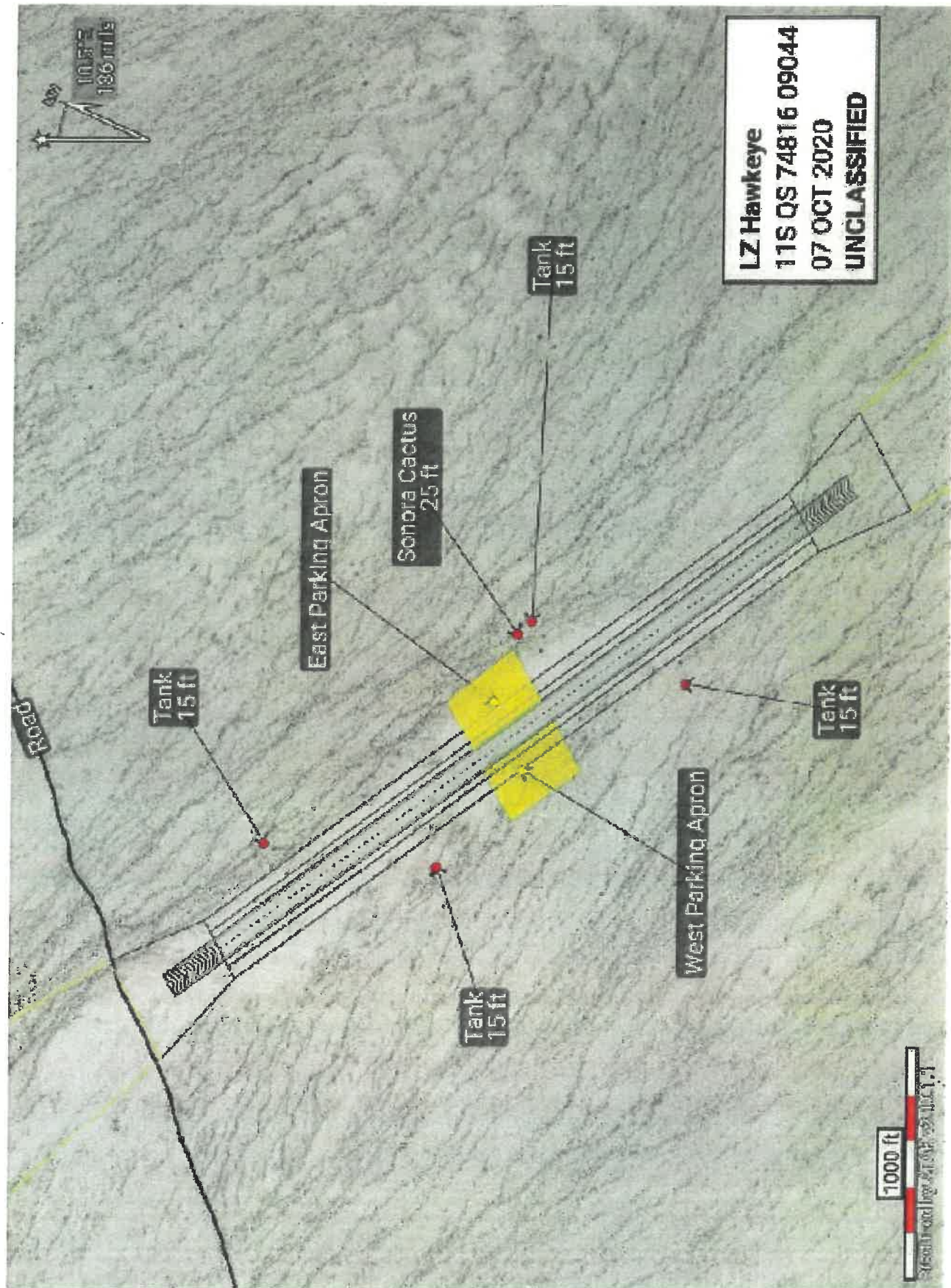
8. West Parking Apron 250' x 400' DCP Data processed with PCASE 2.09.06 / 1 DCP readings taken to a depth of 24 inches.

- a. Controlling Reading CBR: 9" Surface CBR: 26 / 10" Subbase CBR: 22 / Subgrade CBR: 32
- b. Controlling Layer: 9" Surface CBR: 26
- c. KC-130 / 175,000 lbs / 38,335 Passes

Open

For Official Use Only (FOUO)

USMC

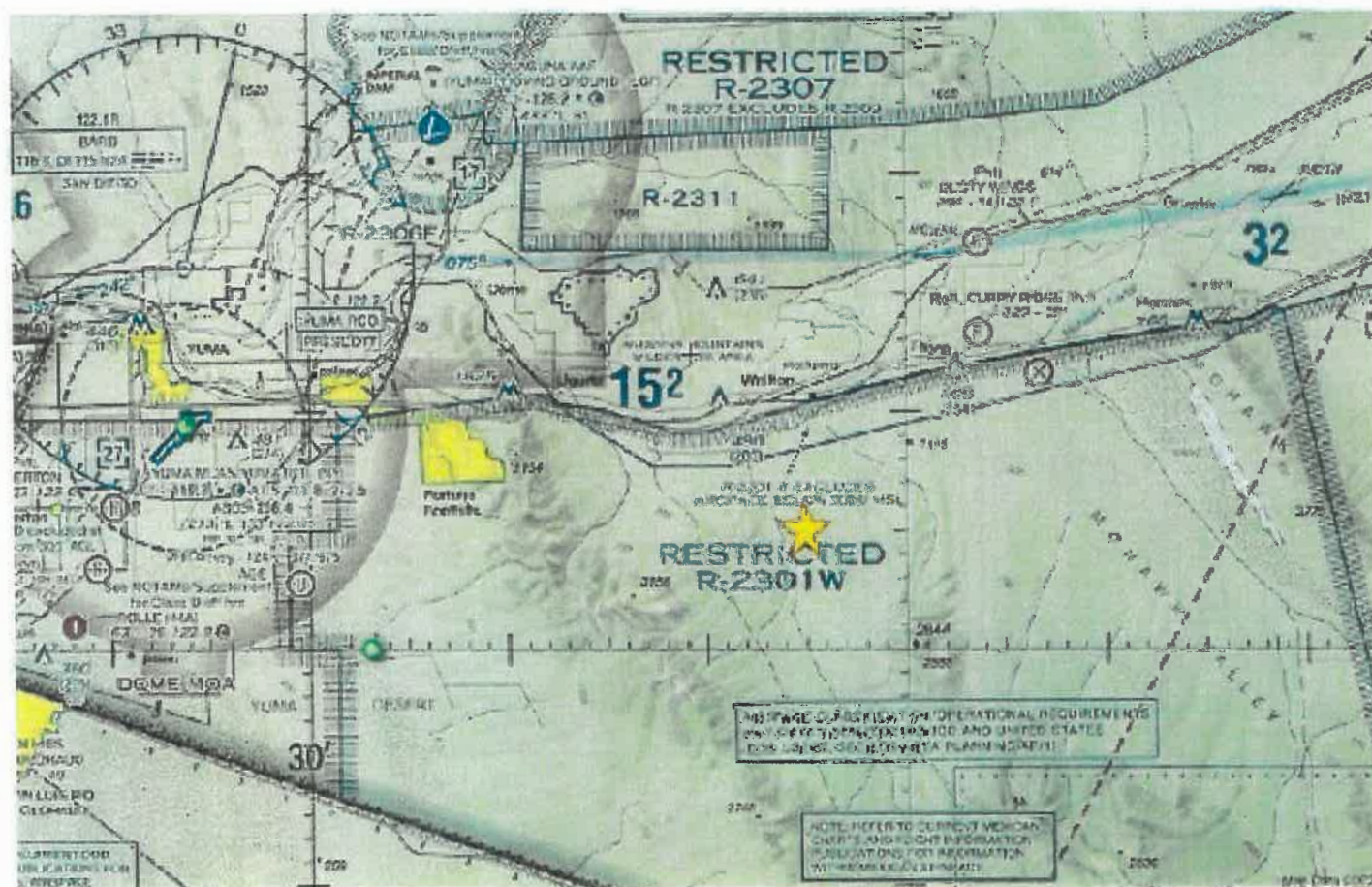


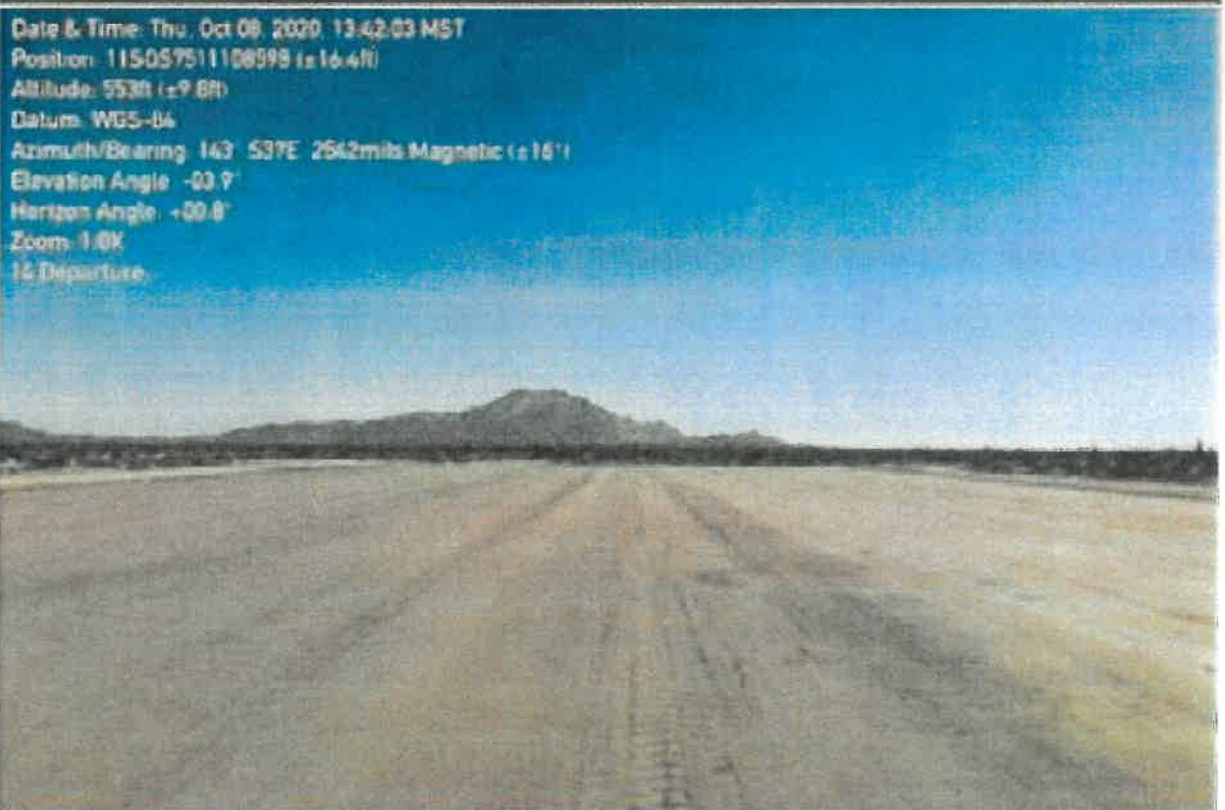
101° 52'  
136 miles

LZ Hawkeye  
11S QS 74816 09044  
07 OCT 2020  
UNCLASSIFIED

1000 ft  
Scale 1:50,000









Date & Time: Thu, Oct 08, 2020, 13:42:19 MST  
Position: 115057510708602 ( $\pm 16.4m$ )  
Altitude: 550ft ( $\pm 9.8m$ )  
Datum: WGS-84  
Azimuth/Bearing: 316° N66W 5582mils Magnetic ( $\pm 16^\circ$ )  
Elevation Angle: -02.0°  
Horizon Angle: +00.5°  
Zoom: 1.0x  
32 Approach



Date & Time: Tue, Oct 06, 2020, 11:00:59 MST  
Position: 115057352207668 ( $\pm 16.4m$ )  
Altitude: 550ft ( $\pm 9.8m$ )  
Datum: WGS-84  
Azimuth/Bearing: 316° N66W 5582mils Magnetic ( $\pm 16^\circ$ )  
Elevation Angle: -02.0°  
Horizon Angle: +00.5°  
Zoom: 1.0x  
32 Approach

