



YUMA RANGE

AIRCREW SAFETY BRIEF



OVERVIEW

- Rotary-Winged Restricted Airspace Access
- Yuma Special Use Airspace
- R-2301W
- R-2301W UAS Airspace
- R-2507N/S/E/W
- Naval Special Warfare Training
- R 2512
- Checkout Procedures

AIRCREW RANGE SAFETY BRIEF

****All participants are required to read this brief****

- Brief is current as of 22 September 2022.
- Prior to take-off, check with range scheduling to ensure your ranges are approved/scheduled, and air delivered ordnance conforms with all range regulations.
- Pilots shall review the MCAS Yuma Range Notifications page <http://www.mcas-yuma.marines.mil/Resources/RangeNotifications.aspx> and applicable NOTAMS (KNYL AND KNJK) prior to flight.
- Units have a 15-minute grace period to check into scheduled ranges.
- After 15 minutes, the ranges are made available to other users, unless units running late have coordinated with LEG IRON in order to preserve their scheduled ranges.



Search & Rescue/MEDEVAC

MCAS YUMA DOES NOT HAVE A DEDICATED SEARCH AND RESCUE/MEDEVAC CAPABILITY.

*If notified of an emergency medical situation, **Leg Iron** will request a civilian air ambulance to support the transport of injured personnel off range spaces, with the following notable limitations.

The Civilian AIR AMBULANCE:

- Does NOT provide a "SEARCH AND RESCUE" function.
- Has "LIMITED" night time capability & NO NIGHT SUN Device/Search Light on-board.
- Is only able to access "IMPROVED" or prepared areas **within** the Range Training Area.
- LZ's are pre-coordinated and largely inflexible pickup zones.
- Restricted to flat surfaces outside of IMPACT AREAS & mountainous terrain.
- Operates on a "FIRST COME, FIRST SERVE" basis with NO contractual obligation to prioritize MCAS YUMA requests over any other request (this includes any private sector requests).
- Can only provide air ambulance services to one person at a time.
- Is NOT hoist equipped.
- Will transport injured personnel to different locations and NOT necessarily the closest i.e. PALM SPRINGS, SAN DIEGO, or PHOENIX.

REQUIREMENT FOR FLIGHT WITHIN YUMA RANGE TRAINING COMPLEX

- All "Participants" must REMAIN within APPROVED/SCHEDULED airspace.
- Installation Boundaries/Restricted Airspace Boundaries are not the same.
- Ordnance expenditures are only authorized within designated impact areas. There are no "targets of opportunity."
- Yuma ATC will actively pursue ANY spill-outs, including VFR.
- Pilots must be familiar with the MCAS Yuma StaO 3710.6J. With particular focus on Chapter 4. The Range SOP can also be found in the RFMSS Library or sent by request from Range Scheduling (yuma.skeds@usmc.mil).
- Triple check for guided munitions ICW a FAC/JTAC for weapon targeting validation per TECOM guidance (Aircraft may use: aircraft sensors, datalinks, coordinate read back, etc.).

RESTRICTED AIRSPACE ACCESS



RESTRICTED AIRSPACE ACCESS

- All Rotary Winged aircraft (Not Tilt-Rotor) seeking access to R-2301W, R-2507 and R-2512 will check in with "LEG IRON" on frequency 310.0.
- LEG IRON will coordinate clearance and assignment of Mode III to Rotary Winged platforms seeking access to restricted airspace.
- Rotary Winged aircraft checking in with LEG IRON on 310.0 may be directed to utilize MAWTS-1 published Control Points in order to remain clear of active small arms ranges within R-2507N/W.

TACTICAL LANDINGS WITHIN THE MCAS YUMA RTA



UNITS ASSUME INHERENT RISKS OF LANDING AIRCRAFT IN ZONES WITHIN THE YUMA RANGE COMPLEX.

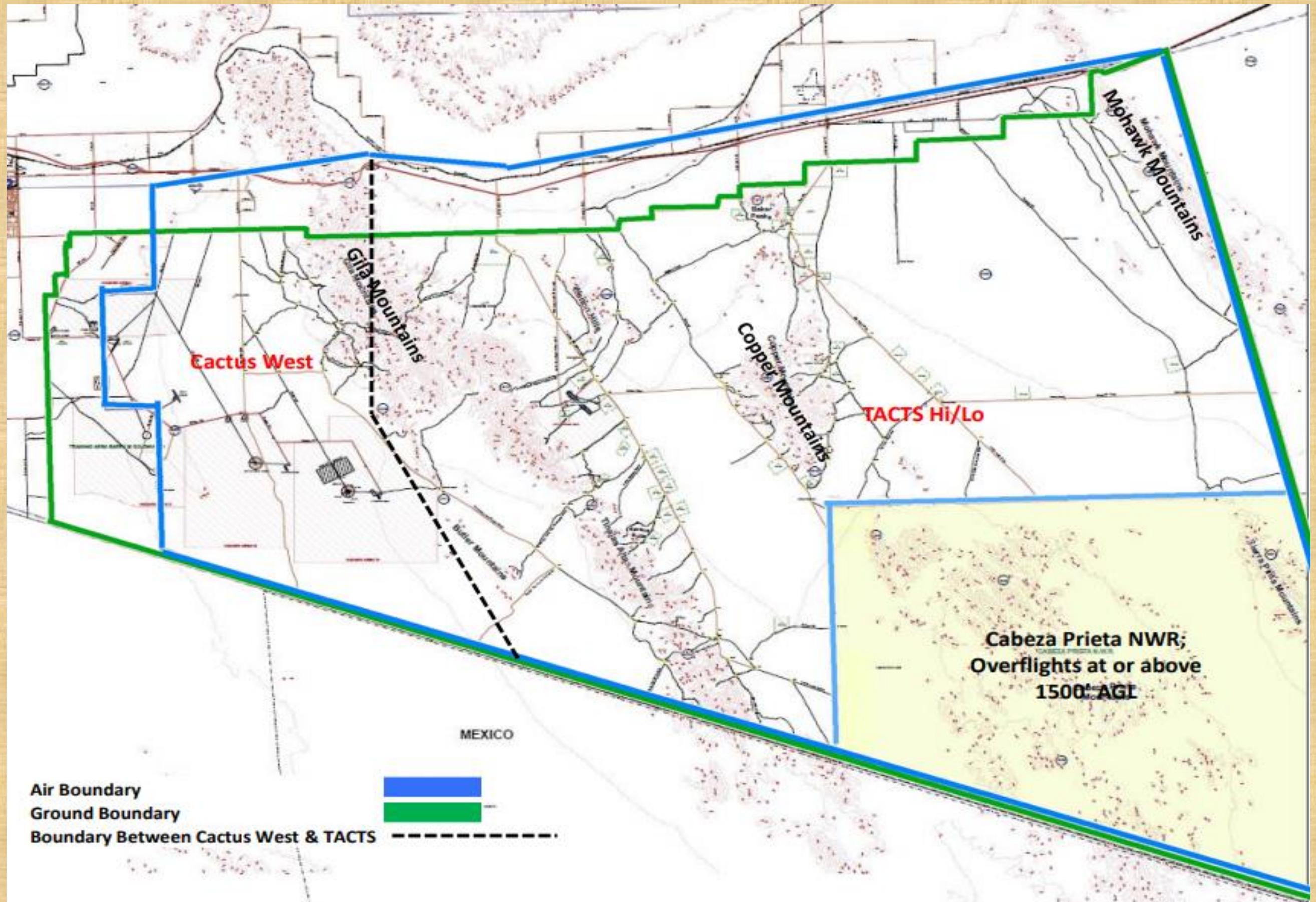
- The Installation is not equipped to offer assurances that one landing zone is safer than another.
- Any risk associated with landing in the **MCAS Yuma RTA** are to be assessed by the using unit and aircraft commander prior to conducting operations and/or landing within the range.
- Due to the density of operations, MCAS Yuma will not close the range outside scheduled Live Fire Exercise pre sweeps in order to make this assessment.
- This includes the rangeland maintenance associated with cutting back micro-terrain and vegetation."



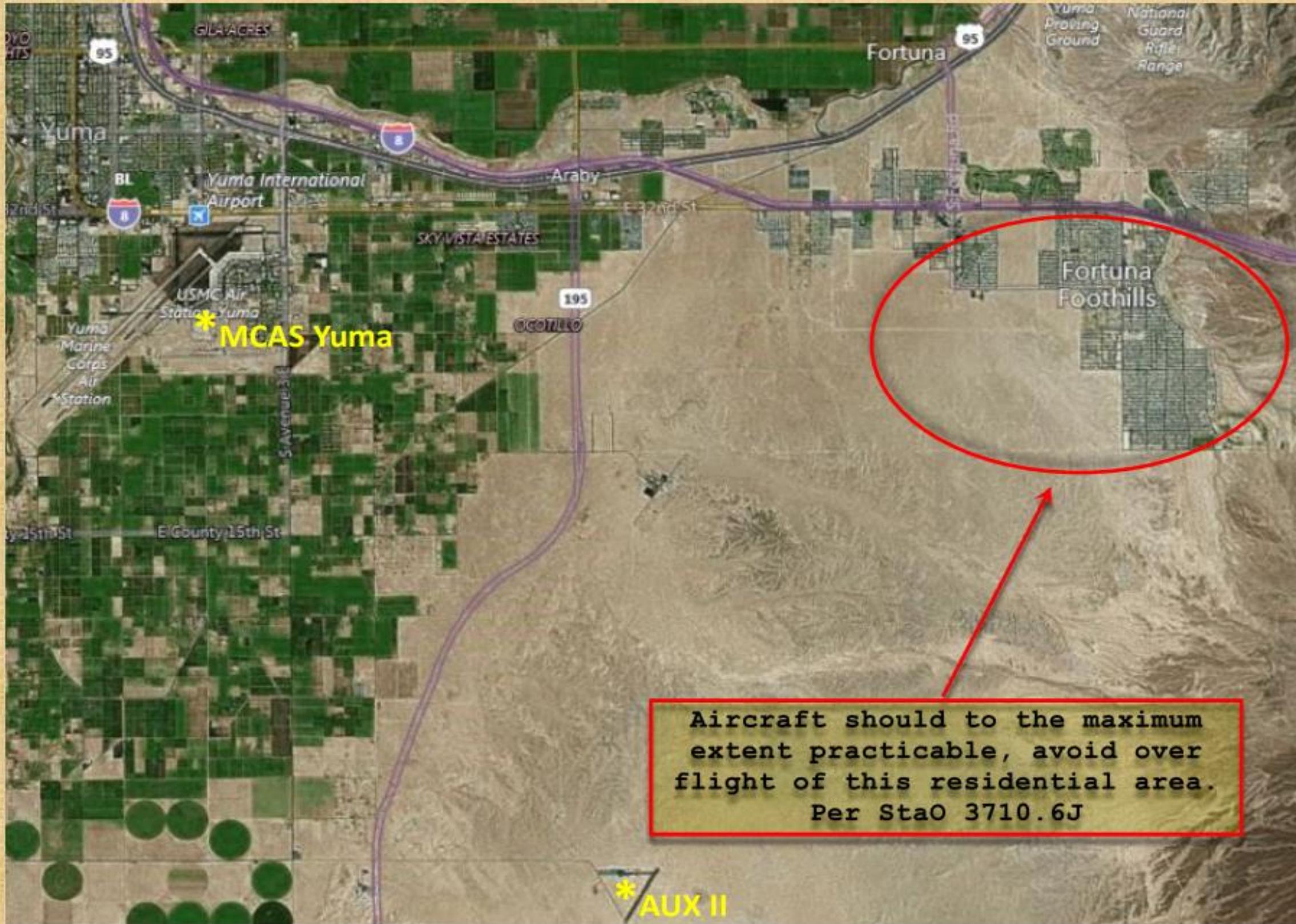
R-2301 WEST CONTAINMENT

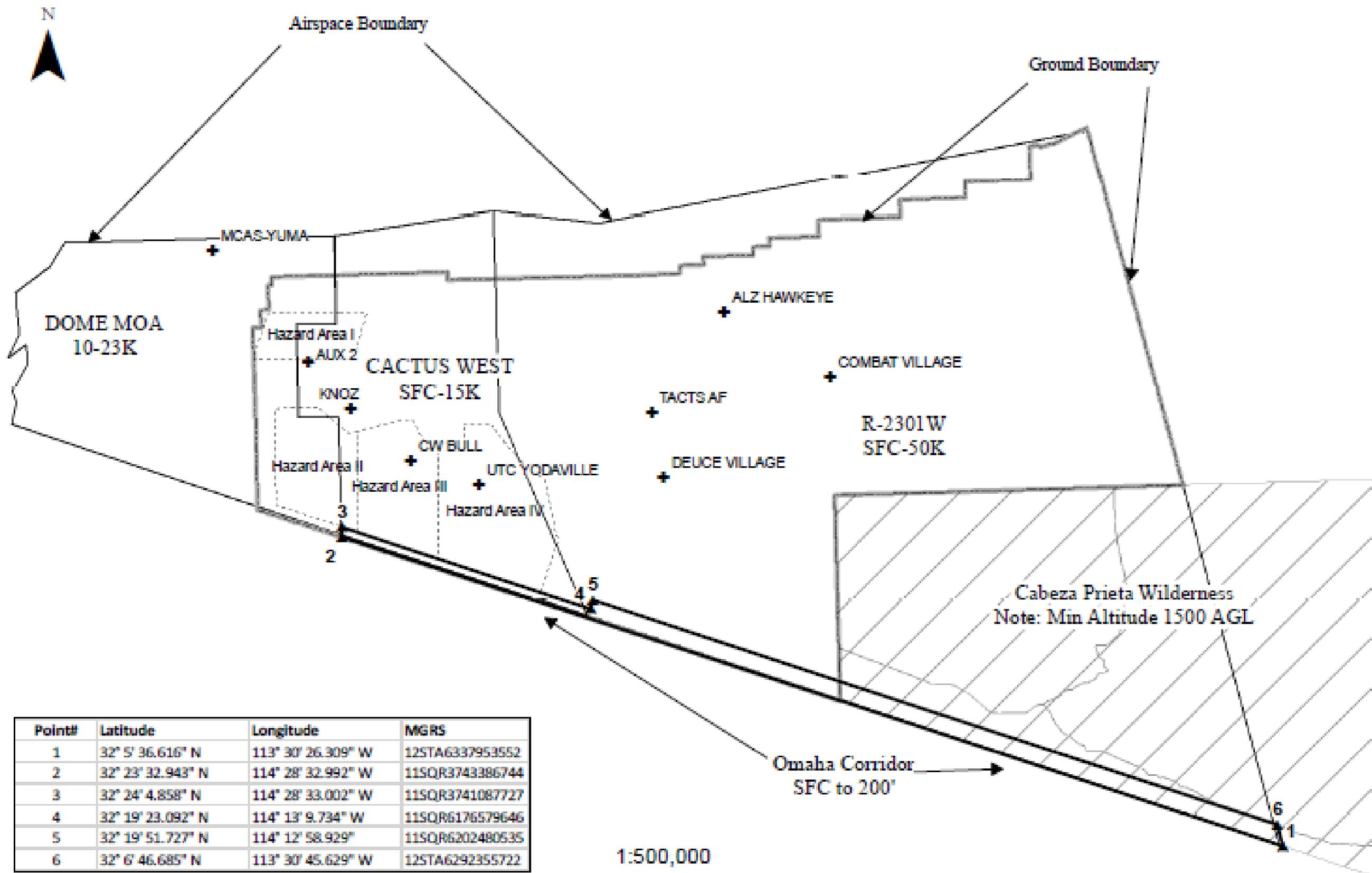
- There is NO airspace authorized for training South of the International Border!
- You will be advised of incursions into Mexico only one time. Second incursion shall result in having range time revoked and the unit will be told to depart the range.
- Northern Boundary of R-2301W parallels V 66/J 2.

R-2301 WEST

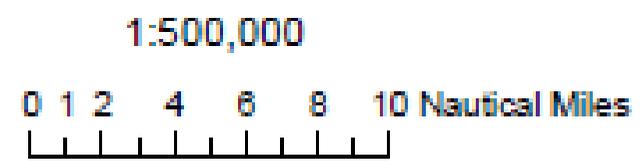


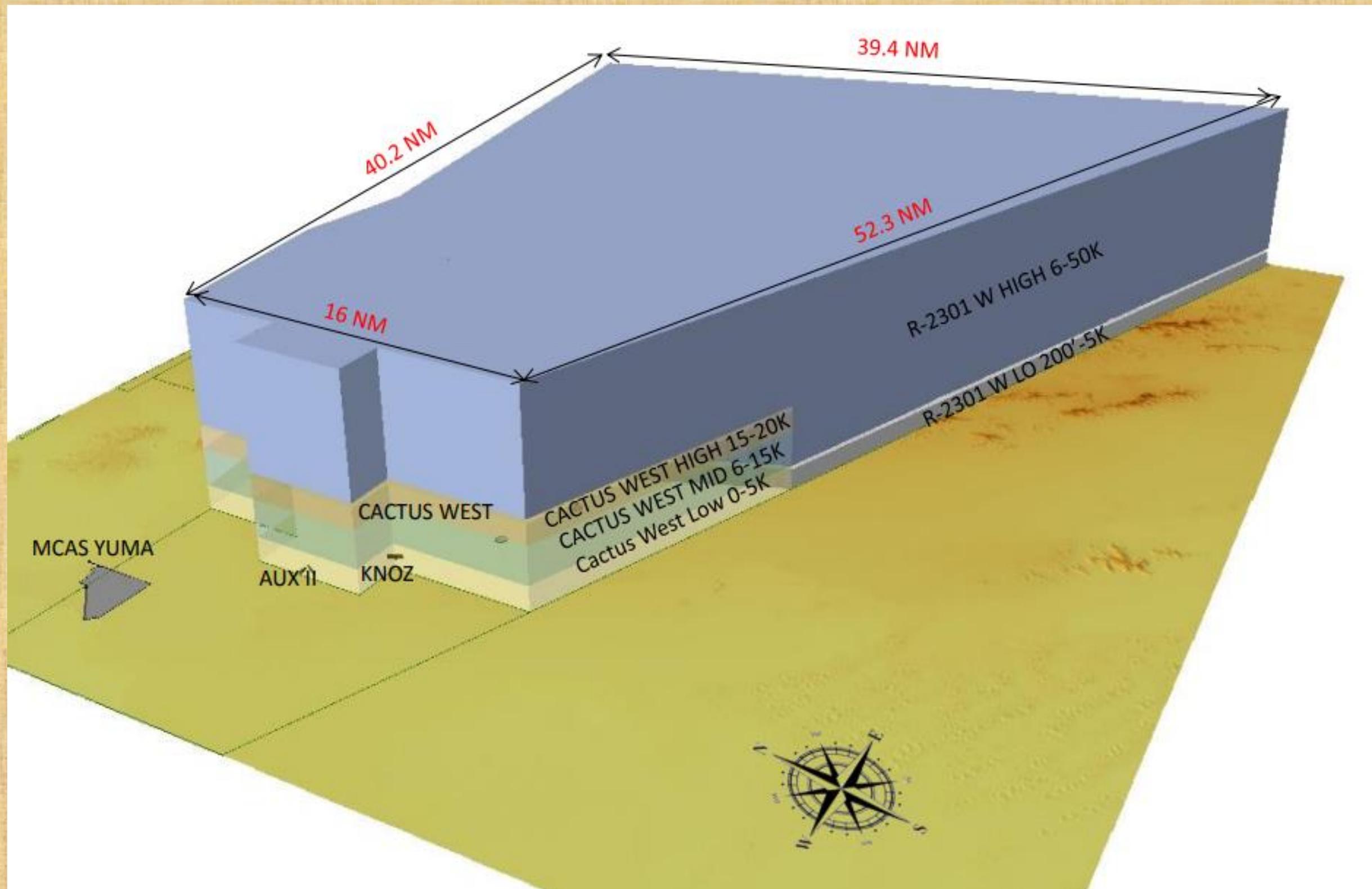
R-2301W CACTUS WEST





Point#	Latitude	Longitude	MGRS
1	32° 5' 36.616" N	113° 30' 26.309" W	12STA6337953552
2	32° 23' 32.943" N	114° 28' 32.992" W	11SQR3743386744
3	32° 24' 4.858" N	114° 28' 33.002" W	11SQR3741087727
4	32° 19' 23.092" N	114° 13' 9.734" W	11SQR6176579646
5	32° 19' 51.727" N	114° 12' 58.929" W	11SQR6202480535
6	32° 6' 46.685" N	113° 30' 45.629" W	12STA6292355722

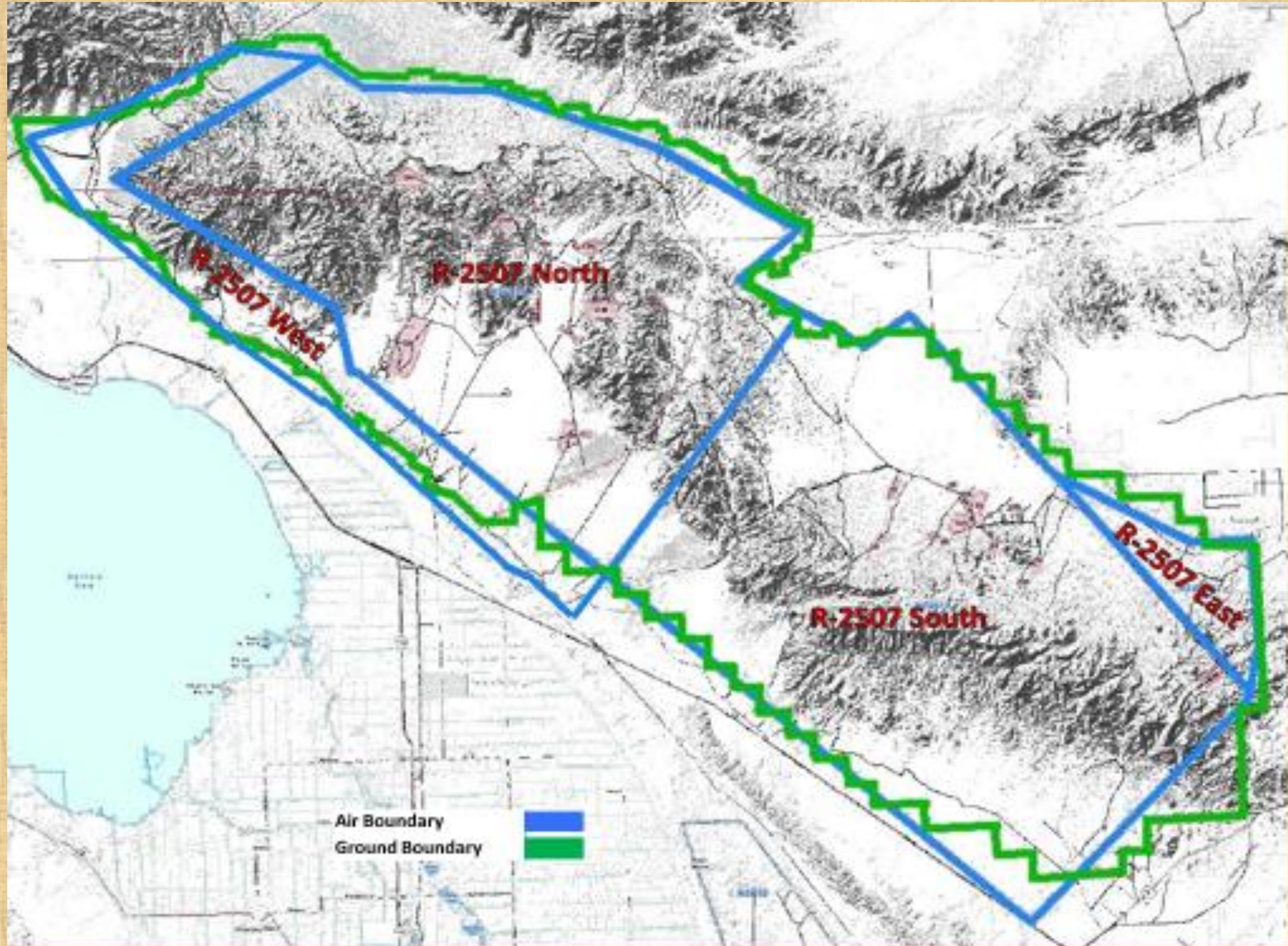




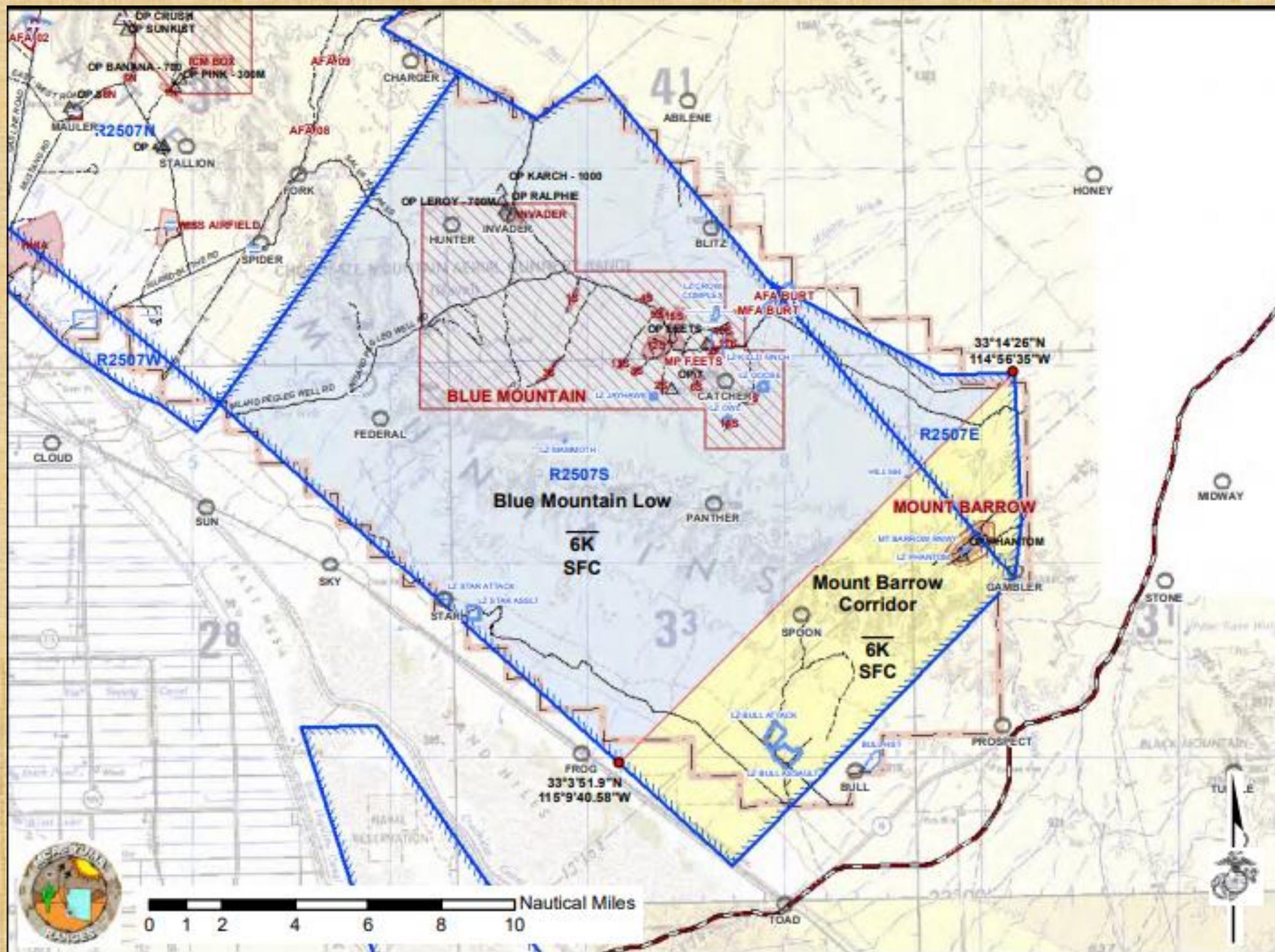
R-2507 N/S/E/W

- Range Boundaries... Adhere!
- If Abel MOA's were not scheduled, aircrew may request from Yuma Range (276.0) 7-23K MSL.
- Abel N MOA and R2507N border parallel J-169.

R-2507 N/S/E/W



R-2507 S/E: BLUE MT LOW & MT BARROW CORRIDOR



BLUE MOUNTAIN LOW 0-6K



BLUE MOUNTAIN HIGH 0-31K



Blue Mountain High 0-31K

(Does not include the Mt. Barrow Corridor)

INTERLOPERS WITHIN THE RANGE

- Interlopers frequently interrupt training throughout the MCAS RTA.
- Interlopers can be Scrappers, Undocumented Aliens, Recreation, or Non participating Civilian or Government entities.
- If encountered within R-2507 (N/S/W) or R-2301W; Operator shall provide Leg Iron with any information that that can be captured visibly and pass information when able:
 - License plate
 - Vehicle type
 - Sensor footage/screen shot that captures vehicle within DoD managed property.
- MCAS Yuma will coordinate with SJA for prosecution of observed trespassers.
- Information can be passed, via phone, email upon post flight or real time if situation permits.

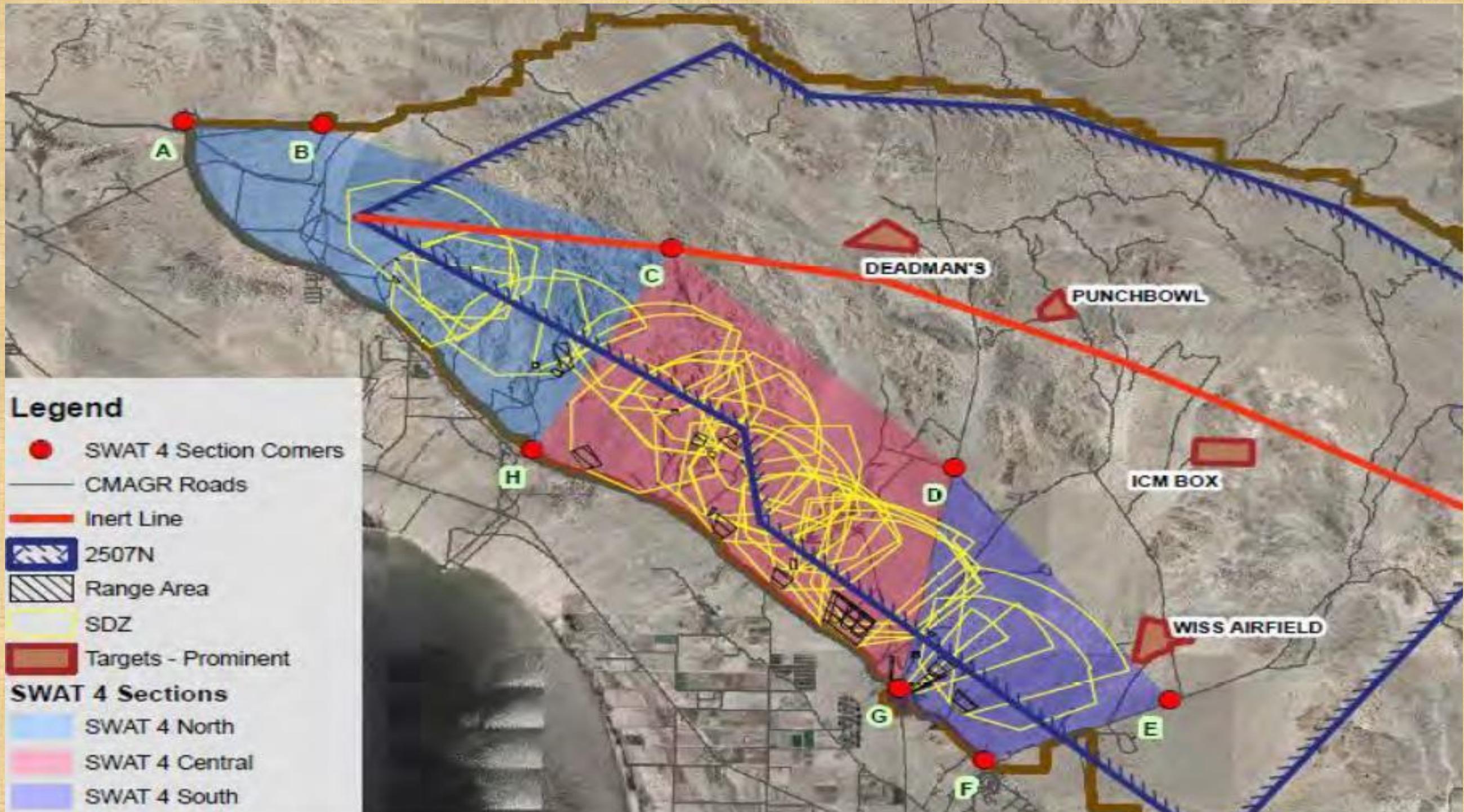


NAVAL SPECIAL WARFARE TRAINING



SPECIAL WARFARE TRAINING AREAS (SWAT)

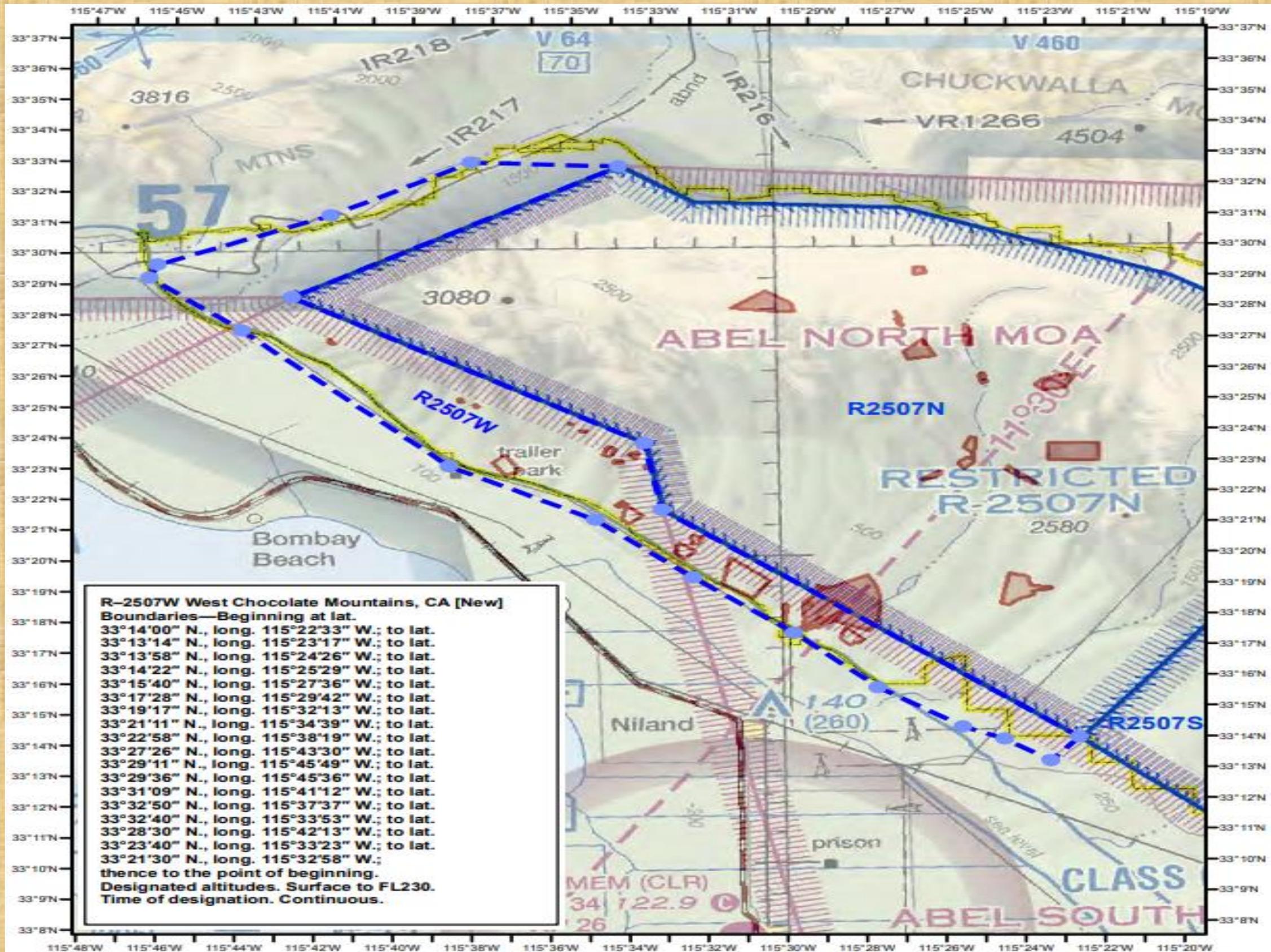
- Located within the R2507W Airspace.
- The SWAT ranges are used primarily by NSWG-1/SOCOM/USMC to conduct Small Arms Fire, Mortar Fire, Demo, and UAS operations.



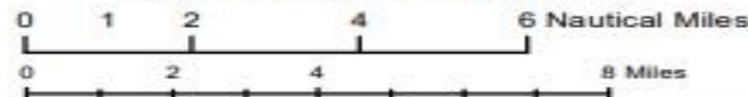
SPECIAL WARFARE TRAINING AREAS

- R-2507W Low will automatically be active from SFC to 6K MSL whenever the SWAT Ranges are scheduled for ground training.
- All aircraft seeking access to R-2507N will be advised the status of R-2507W Low/SWAT 4 Ranges.
- R-2507W Low/SWAT 4 is partitioned into North/Central/South sections (See Slide 22).
- Fixed wing aircraft checking in with YUMA RANGE on 276.0 will be advised of which SWAT section, or combination of SWAT sections are in an active status within R-2507W Low.
- Aircraft shall remain clear of these active sections of SWAT 4.

R-2507 WEST



R-2507W Activation 22 June 2017
MCAS Yuma - CMAGR



Although every effort has been made to ensure the accuracy of the information, errors and conditions originating from physical sources to develop the database may be reflected in the data supplied. The user must be aware of data conditions and ultimately bear the responsibility for the appropriate use of the information with respect to possible errors, original map scale, collection methodology, currency of the data, and other conditions specific to certain data. This information does not depict all possible resources. Field verification of all data is required for site-specific projects. This information is deemed reliable, but not guaranteed.



Date: 27 April 2017
 Ref: Federal Register
 Vol. 82, No. 71
 April 14, 2017

SPECIAL WARFARE TRAINING AREAS

- All scheduled R-2507W/SWAT 4 training can be viewed by checking RFMSS two week calendar.
- Contact LEG IRON at (928)269-7080 prior to mission to confirm R-2507W/SWAT 4 range status.
- Rotary Winged Aircraft will be advised by LEG IRON (310.0) of the active SWAT areas and receive entry/exit instructions to avoid.

R-2512

Legend

-  Airspace - Restricted
-  Range Boundaries



R2507S

Kitty Baggage

R2512

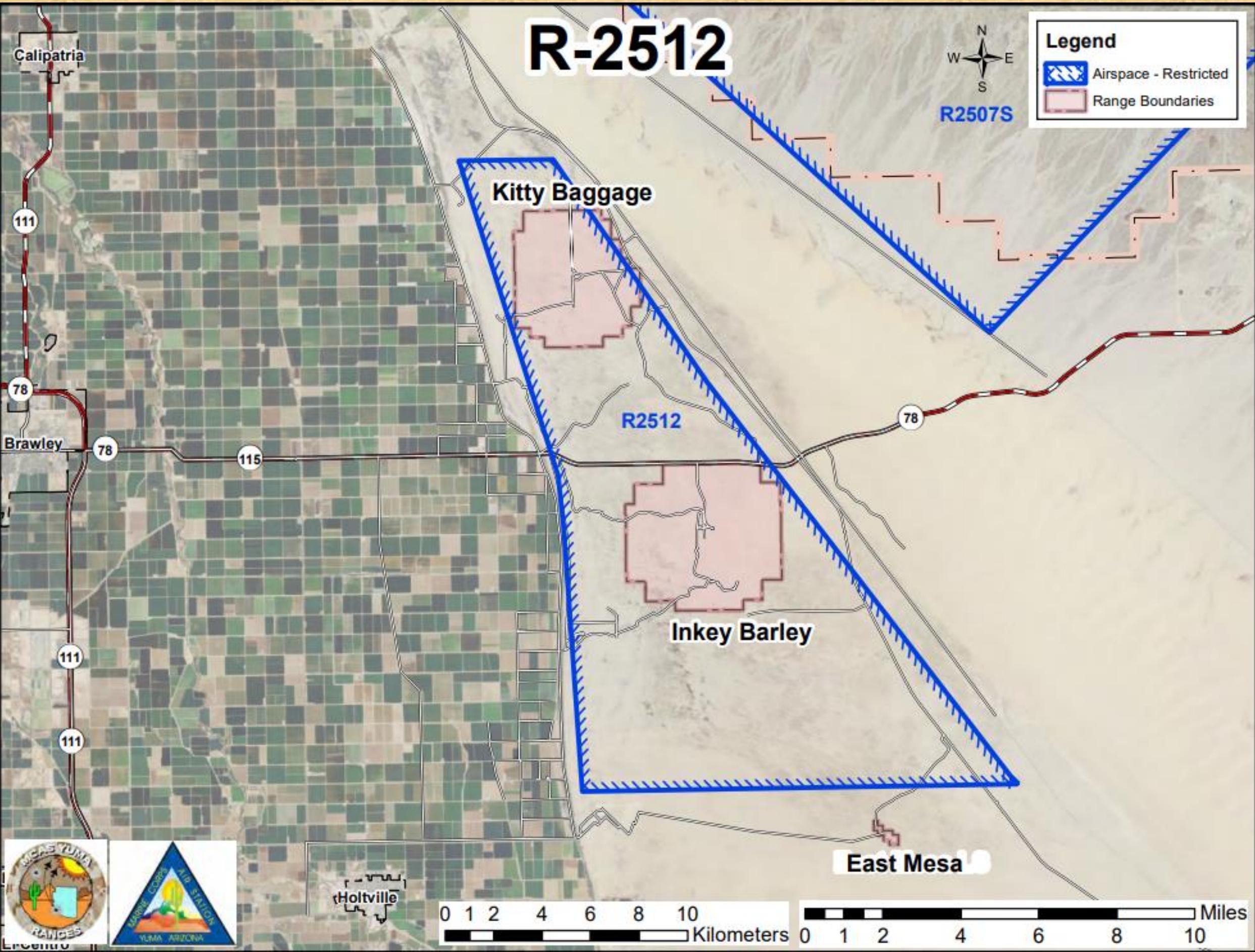
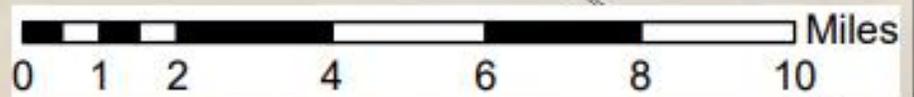
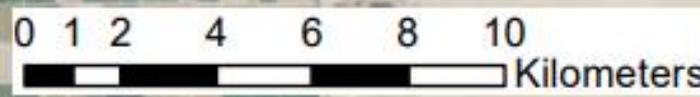
Inkey Barley

East Mesa

Calipatria

Brawley

Holtville



CHECK-OUT PROCEDURES



MISSION COMPLETE

- All aircraft employing ordnance on targets within Yuma Range Training Complex will, upon checkout, provide quantity, type and target area where ordnance was expended. Aircrews may utilize one or more of the following target areas:

Blue Mountain TGT - 1S, 2S, 3S, 4S, 5S, 6S, 7S, 8S, 10S, 11S, 12S, 13S, 14S, 15S

Punch Bowl TGT - 2N, 9N, 10N, 11N

Dead Man CAS Range TGT - 3N

IRIS Wash TGT - 1N, 6N, 7N, 13N, 14N

ICM Box

WISS Airfield TGT - 15N

Mt Barrow (Rotary Wing/Tilt-Rotor only)

Cactus West Bullseye

Yodaville UTC

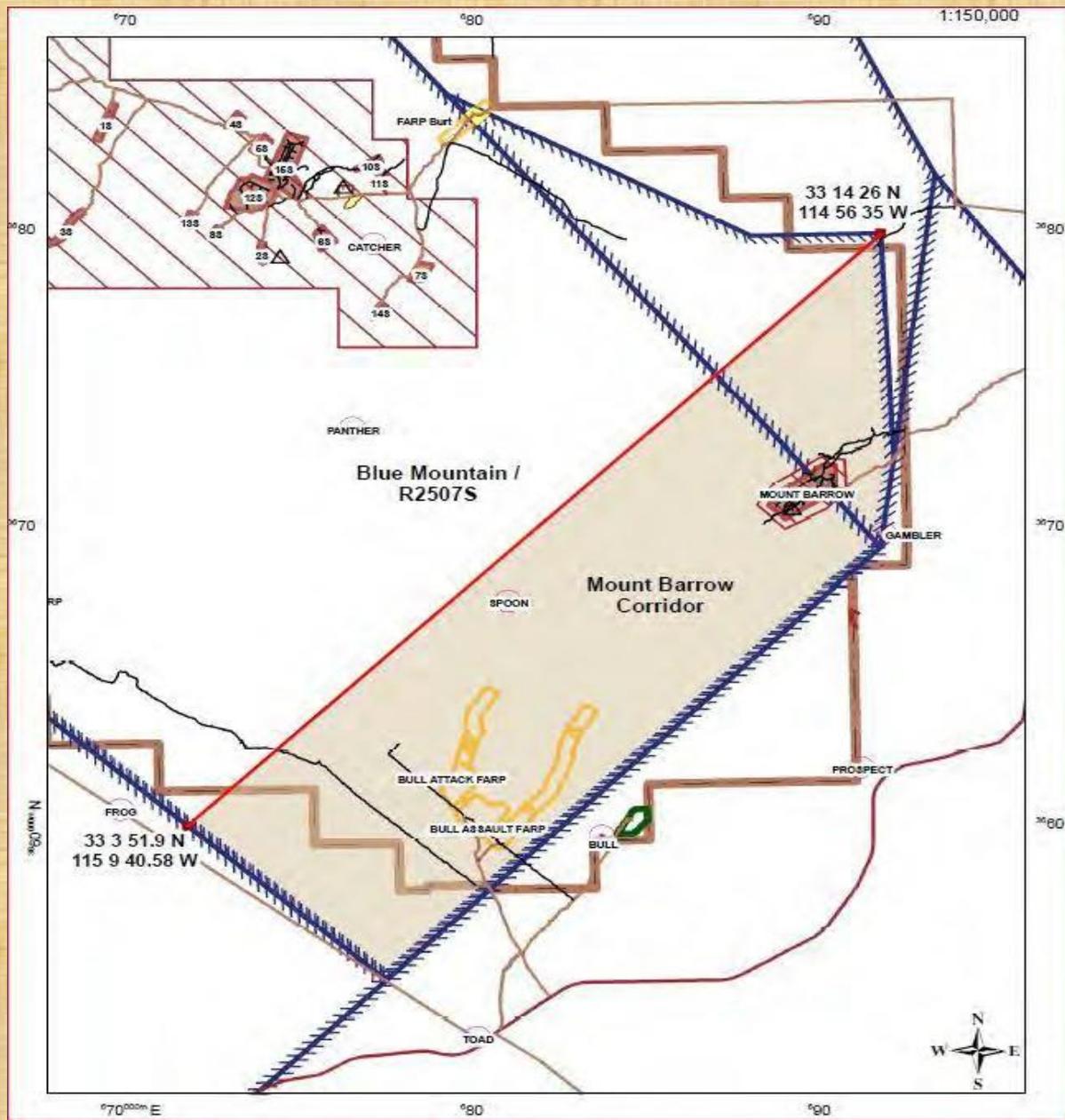
R-2512

SUMMARY

- Yuma Special Use Airspace R-2301W, R-2507 N/S/E/W
- Rotary-Winged Restricted Airspace Access
- Naval Special Warfare Training
- R-2512
- Checkout Procedures

QUESTIONS?

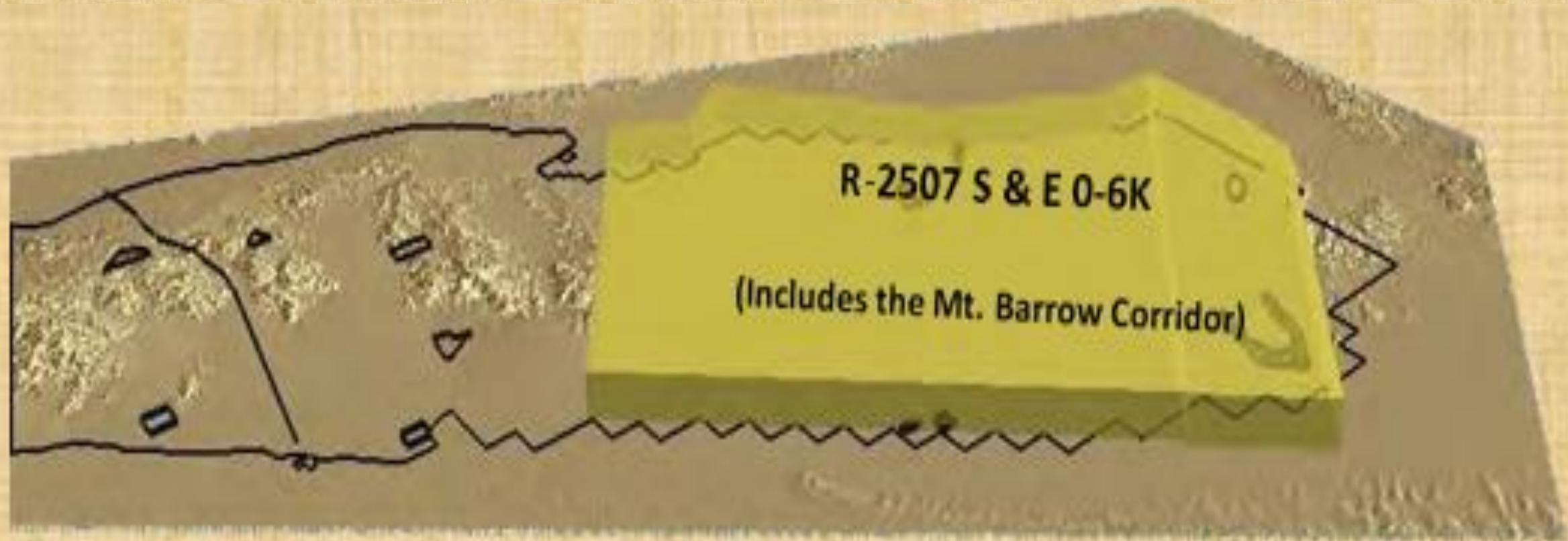
**ADDITIONAL INFORMATION
IN FOLLOWING SLIDES**



MT. BARROW CORRIDOR 0-6K



R-2507 S & E 0-6K



R-2507 S & E 0-6K & 7-31K



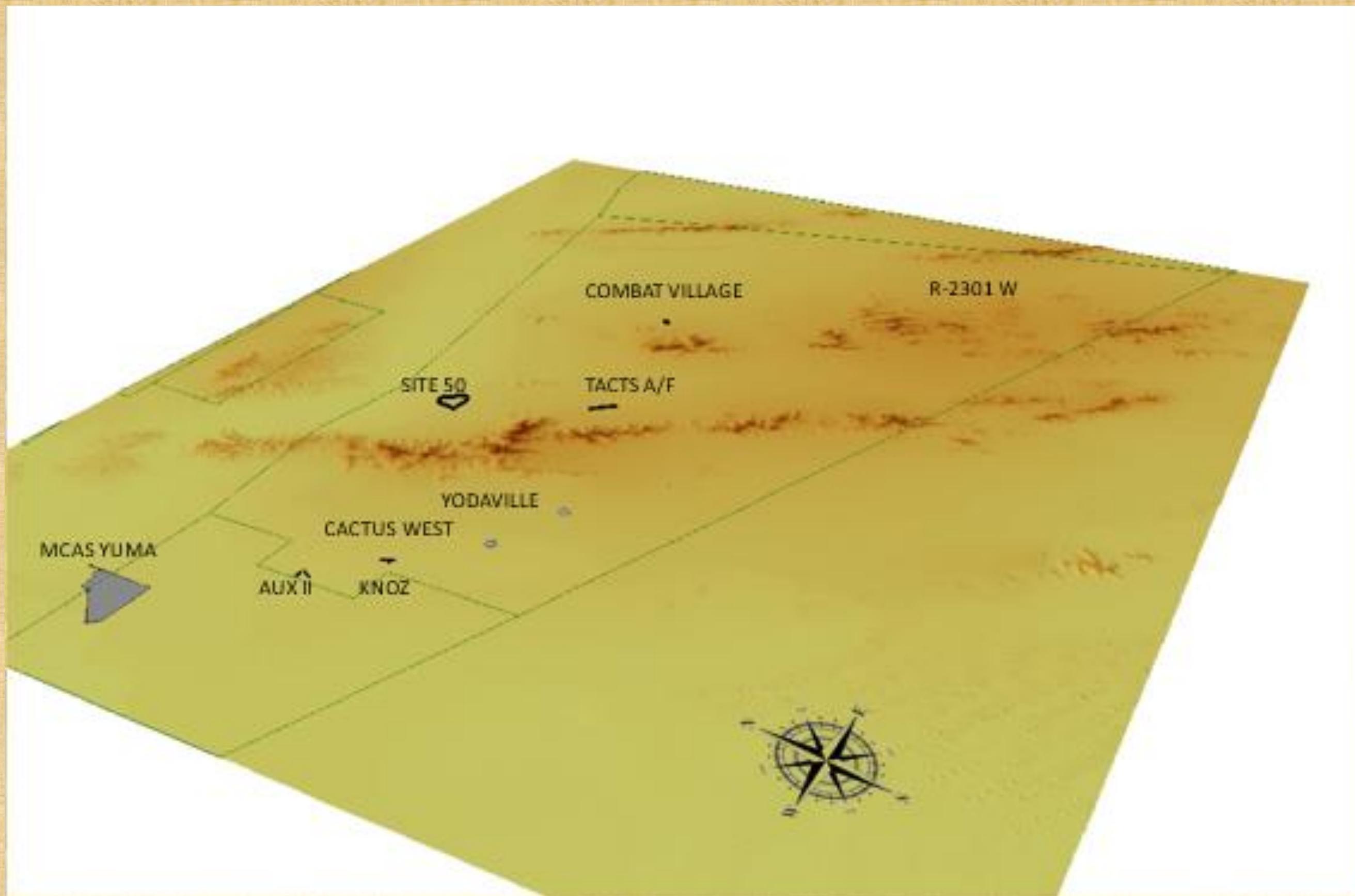
R-2507 S & E 0-31K



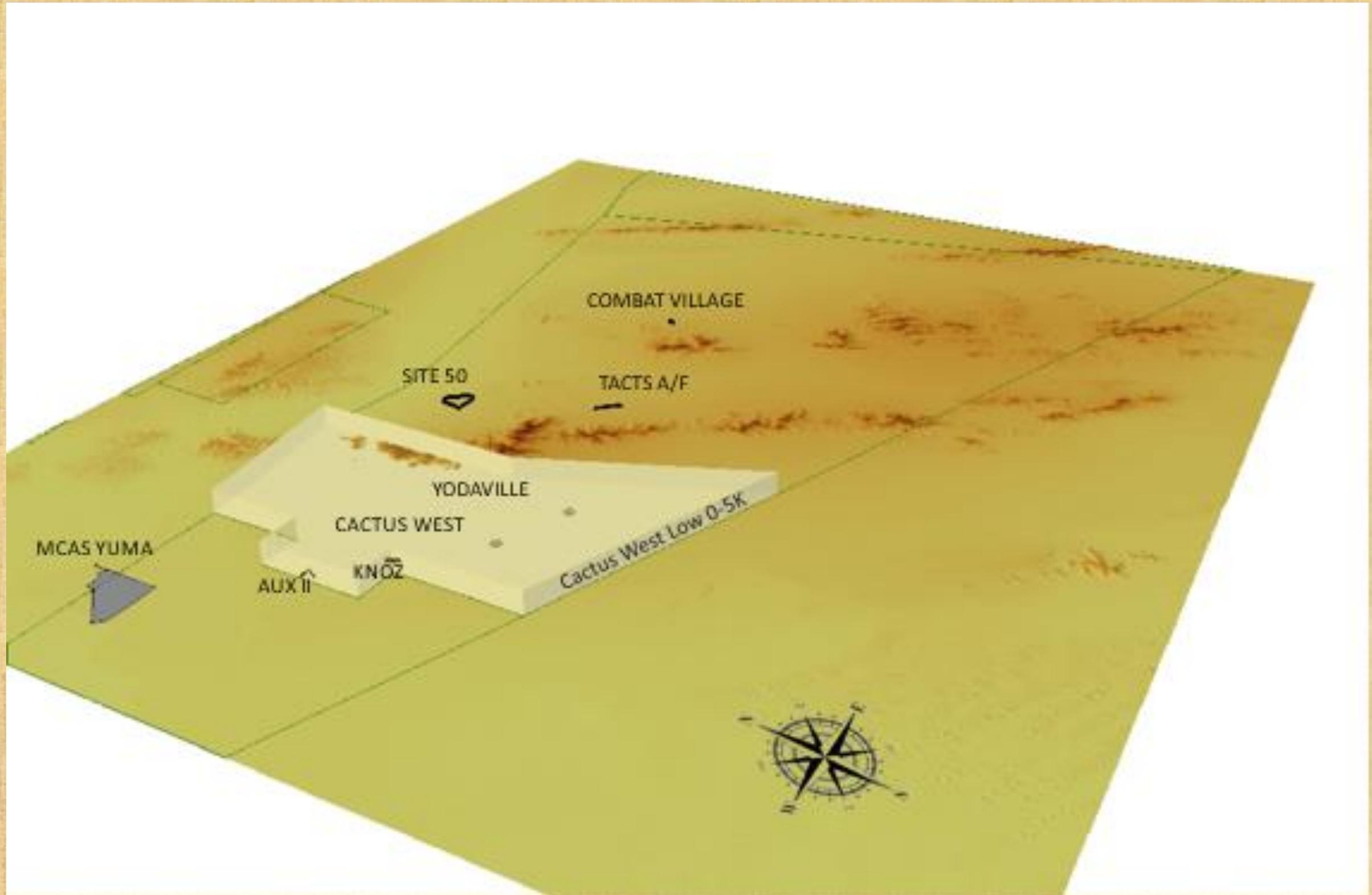
R-2507 S & E 0-31K

(The entire R-2507 S & E, to include the Mt. Barrow Corridor)

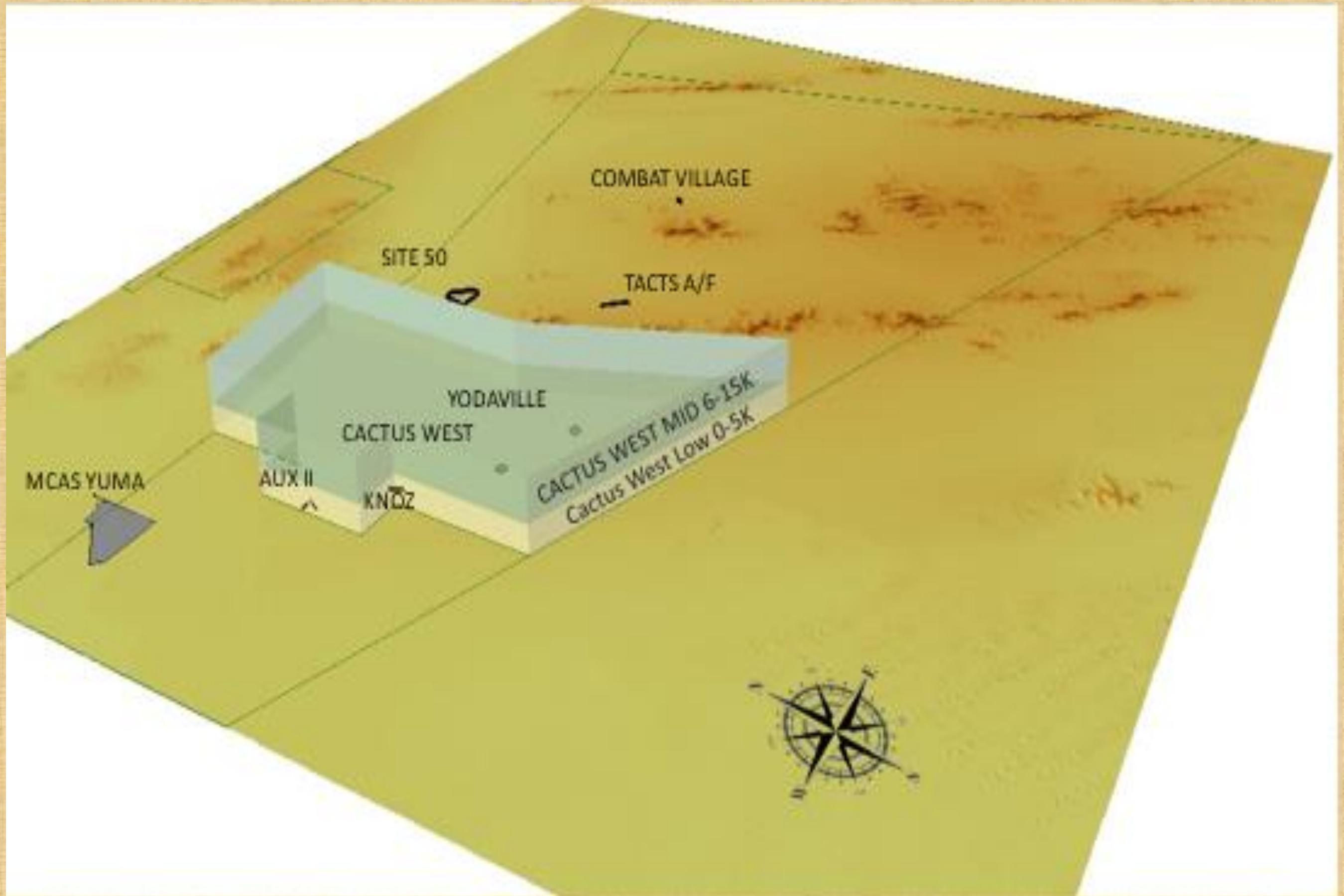
R 2301 W



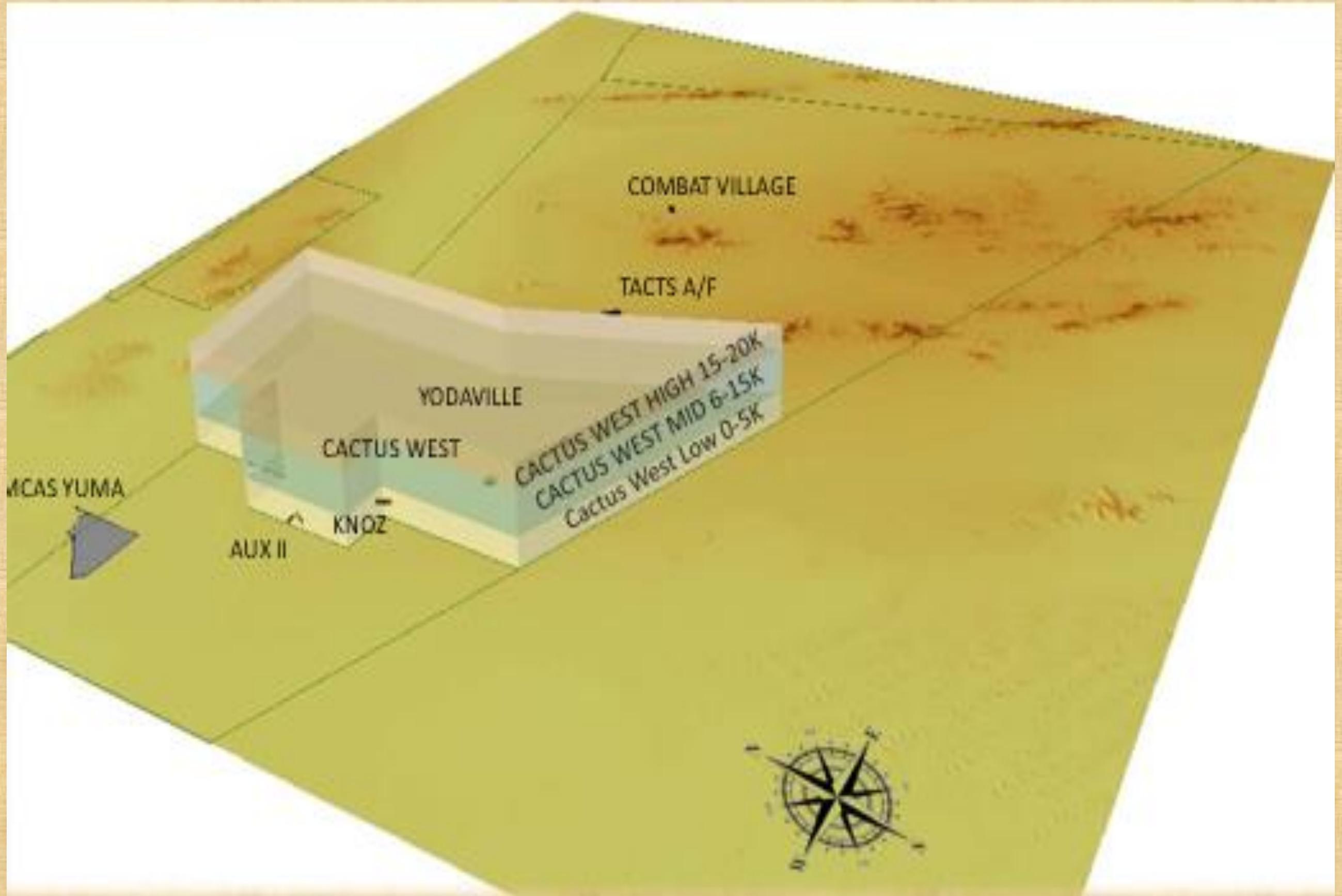
R 2301 W (KNOZ)



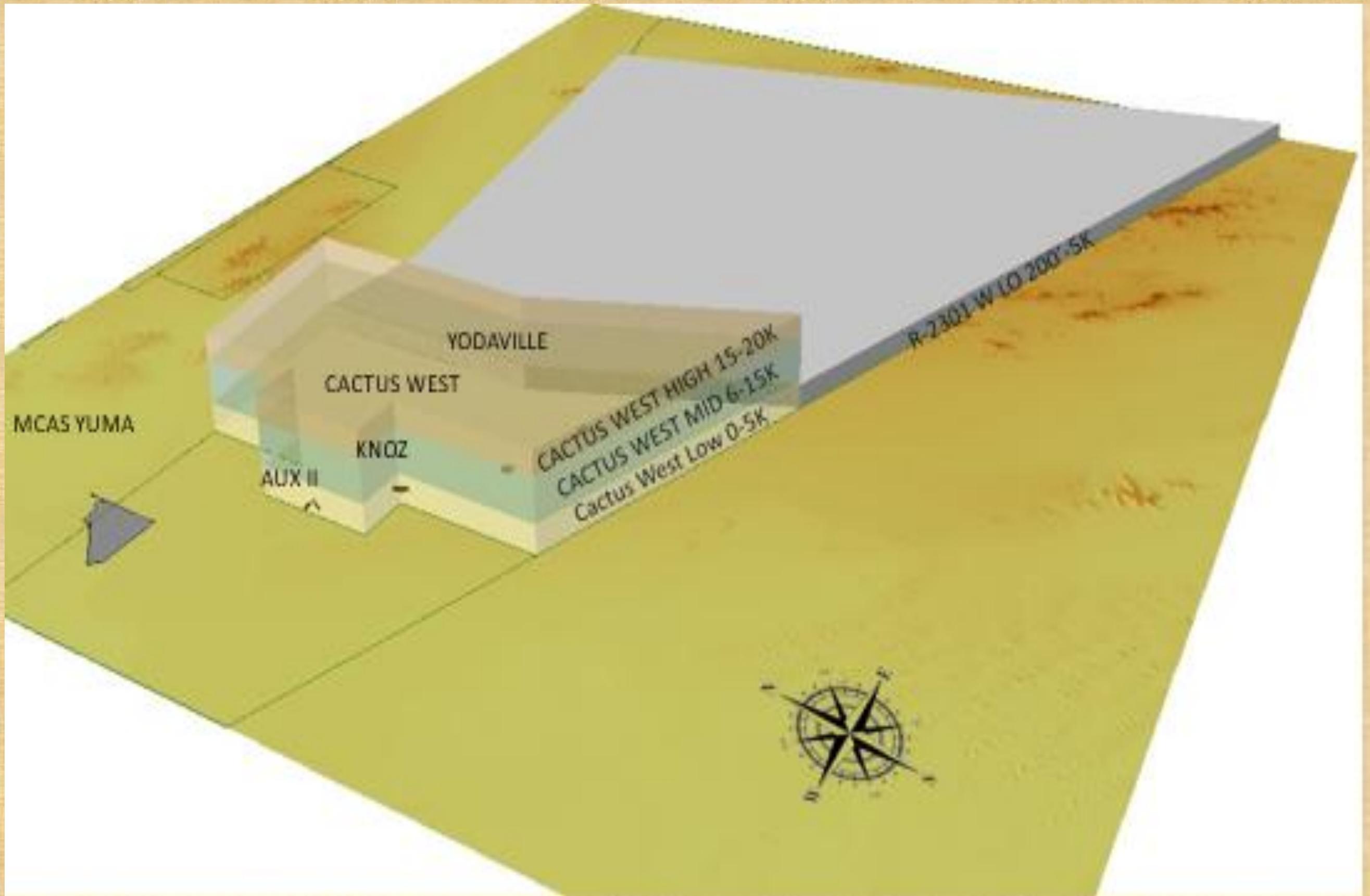
R 2301 W (CW MID)



R 2301 W (CW HIGH)

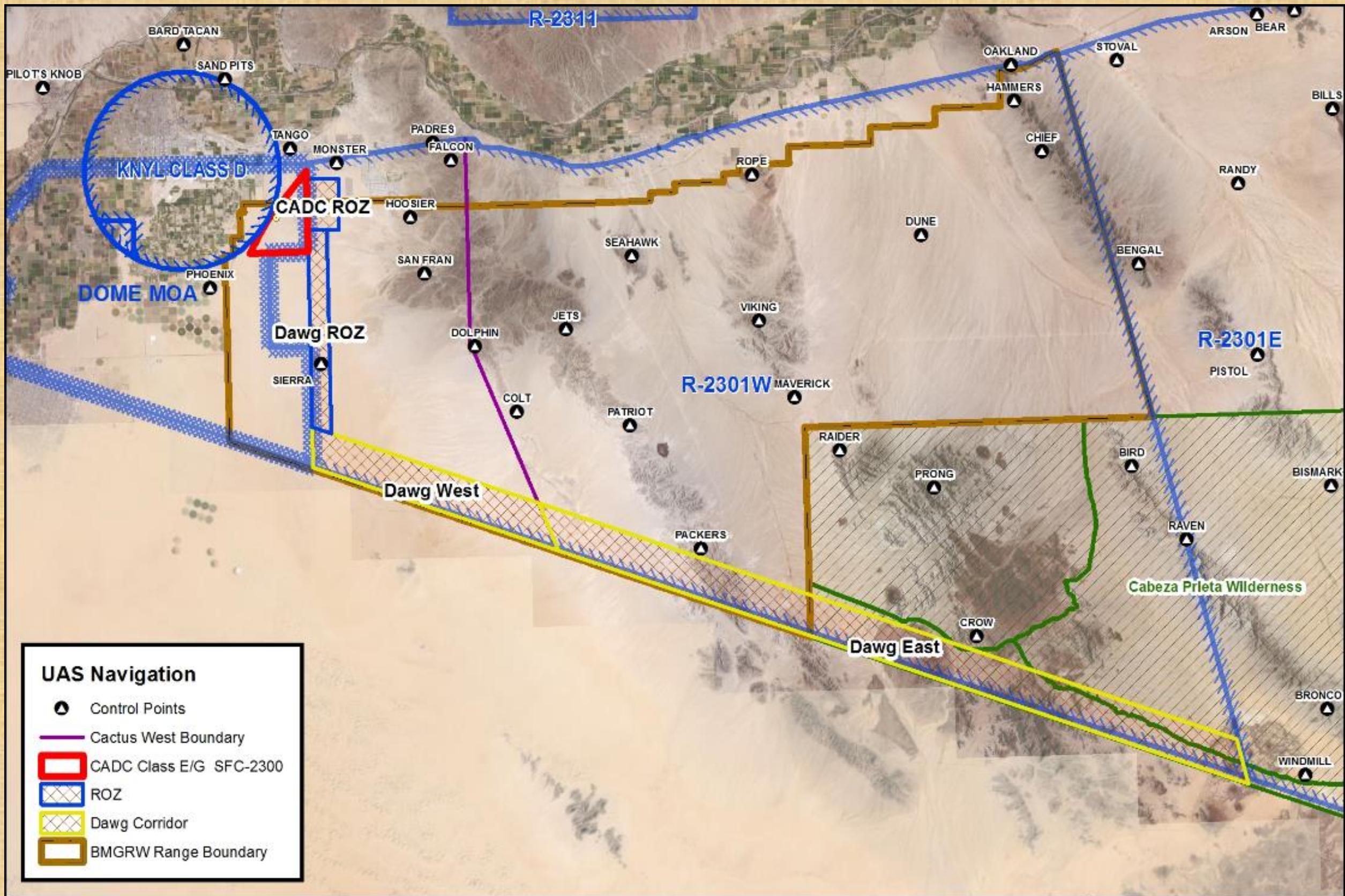


R 2301 W (2301W LO)



UAS AIRSPACE SUB-RANGES

- CADC ROZ
- DAWG ROZ
- DAWG Corridor West
- DAWG Corridor East



Controlled Unclassified Information (CUI)



**CADC ROZ & Dawg ROZ Corridor
MARINE CORPS AIR STATION YUMA**

1:500,000 0 2 4 6 8 10 Nautical Miles

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Ver 2.0
Date 06/03/2021

DAWG CORRIDOR COORDINATES

CADC Class E/G

POINT_ID	MGRS	Latitude	Longitude
1	11SQS3872715728	32° 39' 14" N	114° 28' 34" W
2	11SQS3891307921	32° 35' 0" N	114° 28' 34" W
3	11SQS3121307767	32° 35' 0" N	114° 32' 12" W
4	11SQS3302011139	32° 36' 48" N	114° 31' 0" W

CADC ROZ

POINT_ID	MGRS	Latitude	Longitude
A	11SQS3876315000	32° 38' 50" N	114° 28' 33" W
B	11SQS4000015000	32° 38' 48" N	114° 28' 29" W
C	11SQS4000010000	32° 36' 5" N	114° 28' 33" W
D	11SQS3888210000	32° 36' 8" N	114° 28' 33" W

Dawg ROZ

POINT_ID	MGRS	Latitude	Longitude
A	11SQS3888210000	32° 36' 8" N	114° 28' 33" W
B	11SQS3873410000	32° 36' 6" N	114° 27' 22" W
C	11SQR3920090273	32° 25' 26" N	114° 27' 22" W
D	11SQR3733390896	32° 25' 48" N	114° 28' 33" W

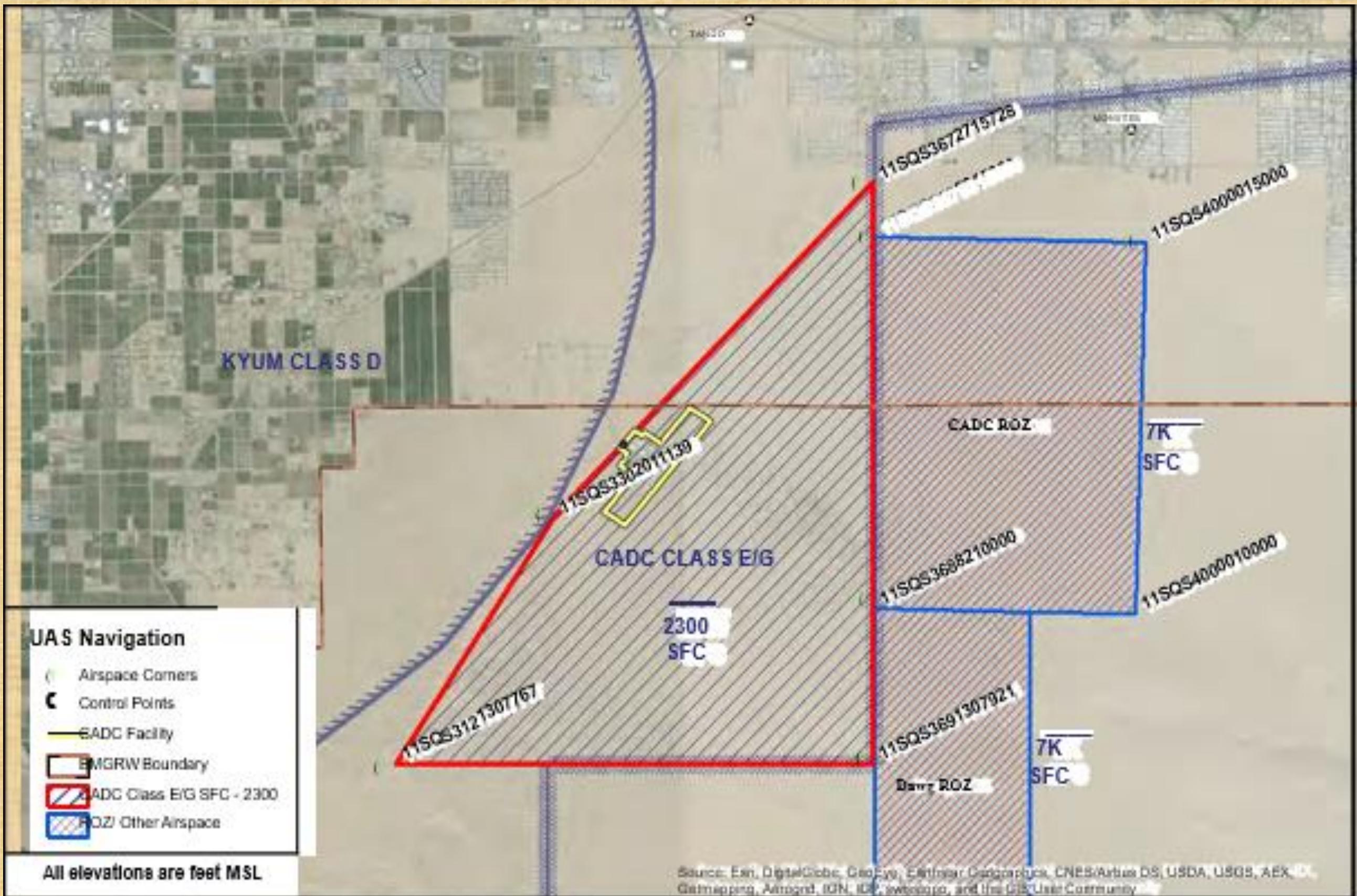
Dawg West

POINT_ID	MGRS	Latitude	Longitude
A	11SQR3733390896	32° 25' 48" N	114° 28' 33" W
B	11SQR5958983521	32° 21' 31" N	114° 14' 30" W
C	11SQR8158478916	32° 19' 0" N	114° 13' 18" W
D	11SQR3742588961	32° 23' 40" N	114° 28' 33" W

Dawg East

POINT_ID	MGRS	Latitude	Longitude
A	11SQR5958983521	32° 21' 31" N	114° 14' 30" W
B	12STA6222558075	32° 8' 2" N	113° 31' 14" W
C	12STA6312153738	32° 5' 42" N	113° 30' 36" W
D	11SQR8158478916	32° 19' 0" N	114° 13' 18" W

Project ID: 16-119
Date: 13JUL16



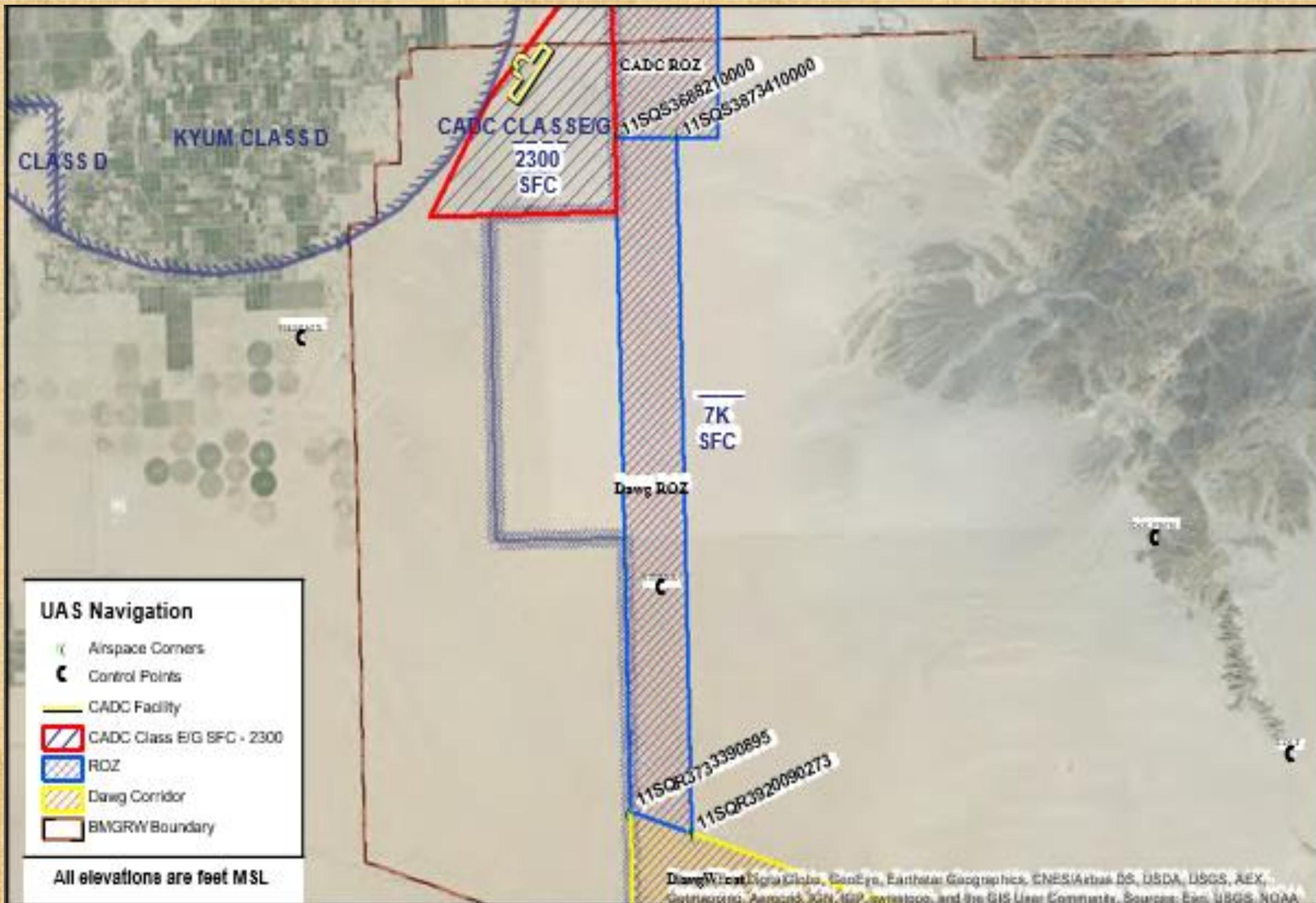
CADC ROZ MARINE CORPS AIR STATION YUMA

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16-410
01 July 2016

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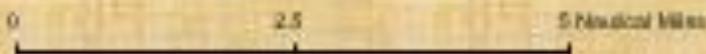


UAS Navigation

- Airspace Corners
- Control Points
- CADC Facility
- CADC Class E/G SFC - 2300
- ROZ
- Dawg Corridor
- BMGRW Boundary

All elevations are feet MSL

**Dawg ROZ
MARINE CORPS AIR STATION YUMA**



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16-115
11 July 2016

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- UAS Navigation**
- Airspace Corners
 - Control Points
 - Cactus West Boundary
 - ROZ
 - Dawg Corridor
 - BMGRW Boundary

All elevations are feet MSL

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community, Sources: Esri, USGS, NOAA

**Dawg West Corridor
MARINE CORPS AIR STATION YUMA**

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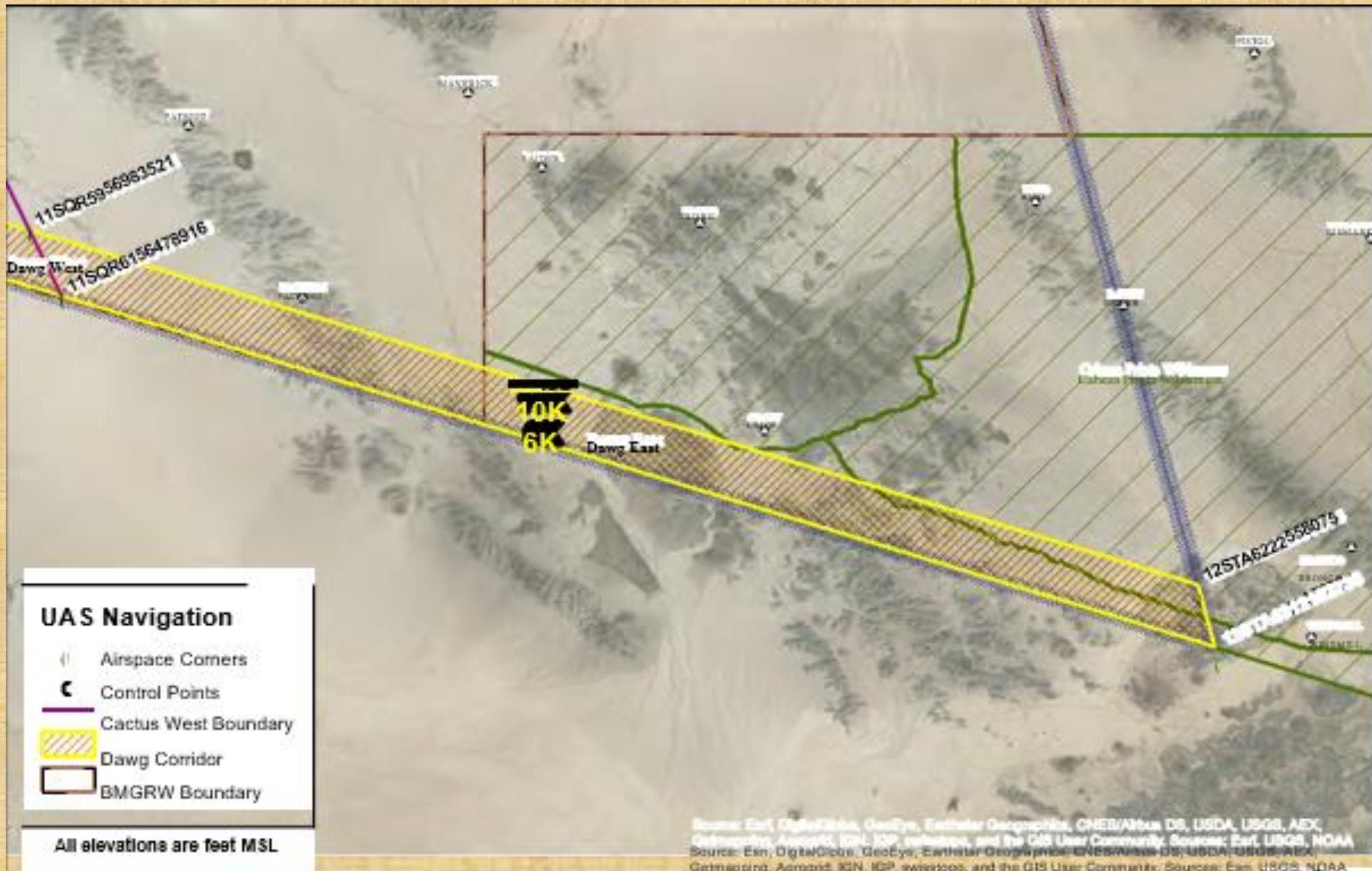


16-117
01 July 2014



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UAS Navigation

- Airspace Corners
- Control Points
- Cactus West Boundary
- Dawg Corridor
- BMGRW Boundary

All elevations are feet MSL

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Geoportals, AeroGRID, IGN, SPP, and the GIS User Community. Source: Esri, USGS, NOAA, Geoportals, AeroGRID, IGN, SPP, and the GIS User Community. Source: Esri, USGS, NOAA, Geoportals, AeroGRID, IGN, SPP, and the GIS User Community.



Dawg East Corridor MARINE CORPS AIR STATION YUMA



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18 JUN 2019
04 July 2019

R-2301 W

