

SOLDIER'S FIELD CARD

Sustainable Range Awareness
Fort Huachuca, Arizona



HUAC_0414

Fort Huachuca is home to the U.S. Army Intelligence Center, the U.S. Army Network Enterprise Technology Command (NETCOM)/9th Army Signal Command, the 2/13 Aviation Regiment, and several testing entities. The installation is located in Cochise County in southeast Arizona about 15 miles north of the border with Mexico.

Fort Huachuca supports 60 tenant organizations and is also the headquarters of Army Military Affiliate Radio System (MARS) and the Joint Interoperability Test Command (JITC) and the Electronic Proving Ground (EPG). Fort Huachuca was established in 1877 and encompasses over 73,000 acres of land with over 65,000 acres open/operational areas used as training and test ranges. The Integrated Training Area Management (ITAM) program provides this field guide to promote environmental and cultural stewardship and range safety awareness while training on Fort Huachuca.



Sustain the Mission, Secure the Future.

<http://www.huachuca.army.mil/pages/dptms/index.html>

<https://srp.army.mil>

Safety Topics

MEDEVAC Mission Request

Training Areas and Ranges: 533-7093 After hours call MP 533-3000

Line 1: Location of pick up site (Ranges/MGRS Grid) _____
 Line 2: Requester _____ Phone Number and Call sign of requester _____
 Line 3: Number of patients and type: Total _____ Litter _____ Ambulatory _____
 By precedence: Urgent: _____ Priority: _____ Routine: _____ Convenience: _____
 Line 4: Patient's Age: _____ Gender: _____ Medical Alert Tag: Yes: _____ No: _____
 Medical Alert Tag Information: _____
 Line 5: Patient's type of injury: _____
 Line 6: Special equipment required: None, Hoist, Extraction, Ventilator, Defibrillator, Other (describe) _____

Unexploded Ordnance (UXO)

RECOGNIZE when you may have encountered a munition and that munitions are dangerous.

RETREAT Do not touch, move or disturb it, but carefully leave the area.

REPORT Note the location; call local law enforcement and advise them of what you saw and where you saw it.

- ➔ Call Range Operations via Radio Manual channel 38.45
- ➔ Motorola channel 1A or telephone 533-7093
- ➔ Mark and give location by 8 digit grid
- ➔ After hours call MP Desk 533-3000



Venomous Reptile/Snakebite First Aid

There are laws protecting reptiles and bites occur more often when animals are handled. If there is a reptile in the area that could potentially affect training, do not attempt to kill it; clear the area and notify Range Operations.

In the event of a bite:

1. RELAX, DO NOT PANIC - very few people die from reptile bites
2. Remove restrictive clothing and accessories
3. DO NOT field treat the bite
4. Get to the hospital with as little movement as possible
5. Keep bitten area lower than or at same level as heart if possible



Lightning

Lightning is very dangerous and very common during the monsoon season. Seek shelter as soon as lightning is within 5 miles of your position. There are lightning shelters at several training facilities (refer to map) if a building is not available. If you are caught out in the open stay away from all bodies of water, be aware of the potential for flooding in low-lying areas, stay away from natural lightning rods /tall structures, take shelter under the smallest tree nearby and assume lightning safety position. NEVER LIE FLAT ON THE GROUND.

Weather Conditions (e.g. monsoon, flash flooding)

Flash floods occur quickly, without warning, and occasionally when it is not raining at your location. If you come across a running wash:

1. DO NOT attempt to cross. WAIT until the wash stops running before attempting to cross. The water usually recedes quickly, sometimes within minutes.
2. DO NOT PANIC if you become trapped between two running washes. The water will soon go down and you will be able to continue.

IMPORTANT PHONE NUMBERS

Area Code: 520 Prefix: 533 DSN: 821

Emergency Fire and Medical Services.....911

Military Police and After Hours3000
 UXO..... 7093, Motorola channel 1A, FM 38.45

RANGE OPERATIONS

Chief, Training Division..... 7102
 Range Operations Officer..... 7095
 Range Safety Specialist 7311
 Range Fire Desk 7093
 Range Scheduler/Ammo Mgr 1014
 ITAM Office.....7100/7281

ENVIRONMENTAL NATURAL RESOURCES

DPW Environmental Chief.....9090
 DPW NEPA..... 8763
 DPW Conservation 1867
 DPW Hazardous Materials 2550
 DPW Cultural.....4428
 DPW Wildlife Biologist.....2724/7083

RADIO

Manual channel38.45
 Motorola channel..... 1A

DIRECTORY (Write in Section)

BN CMDR _____ S4 _____
 XO _____ HHC CMDR _____
 S1 _____ A CMDR _____
 S2 _____ B CMDR _____
 S3 _____ C CMDR _____

Safety Topics *continued*

RISK ASSESSMENT MATRIX

HAZARD SEVERITY	HAZARD PROBABILITY				
	Frequent	Likely	Occasional	Seldom	Unlikely
Catastrophic I	EXTREMELY				
Critical II	HIGH		HIGH		
Marginal III			MODERATE		
Negligible IV					LOW

HAZARD SEVERITY

SEVERITY	The expected consequences of an event in terms of degree of injury, property damage or other mission-impairing factors.
CATASTROPHIC	Death or permanent total disability, system loss, major damage, significant property damage or mission failure.
CRITICAL	Permanent partial disability, temporary total disability in excess of 3 months, major system damage, significant property damage or significant mission degradation.
MARGINAL	Minor injury, lost workday incident, minor system damage, minor property damage or some mission degradation.
NEGLIGIBLE	First aid or minor medical treatment, minor system impairment or little/no impact on mission accomplishment.

FLUID REPLACEMENT AND WORK/REST GUIDE

Heat Category	WBGT Index, °F	Easy Work		Moderate Work		Hard Work	
		Work/Rest	Water Intake (Qt/H)	Work/Rest	Water Intake (Qt/H)	Work/Rest	Water Intake (Qt/H)
1	78° - 81.9°	NL	1/2	NL	3/4	40/20 min	3/4
2 (GREEN)	82° - 84.9°	NL	1/2	50/10 min	3/4	30/30 min	1
3 (YELLOW)	85° - 87.9°	NL	3/4	40/20 min	3/4	30/30 min	1
4 (RED)	88° - 89.9°	50/10 min	3/4	30/30 min	3/4	20/40 min	1
5 (BLACK)	>90°	50/10 min	1	20/40 min	1	10/50 min	1

Easy Work = Walking hard surface 2.5 mph <30# load, weapon maintenance, marksmanship training.

Moderate Work = Patrolling, walking sand 2.5 mph no load, calisthenics.

Hard Work = Walking sand 2.5 mph w/load, field assaults.

Training Area Use

- a. Road guards, road barriers, Seibert stakes, and boulders all signify no-go areas which are environmentally or culturally sensitive or pose a safety hazard rendering them OFF LIMITS to training or maneuver activities. FH Regulation 385-8.
- b. Off-road and off maneuver trail driving is prohibited at all times. FH Regulation 385-8.
- c. Bivouac and Training Site Operation and Wildlife:



Bivouac and training sites are located in open grasslands and woodlands. You will encounter a variety of wildlife: birds, mice, ants, spiders, scorpions, centipedes, snakes, lizards, skunks, rodents, javelina and other mammals.

- ➔ Open fires are prohibited
- ➔ Park in designated POV areas only
- ➔ Minimize places where wildlife can take shelter
- ➔ Minimize creating puddles that attract wildlife
- ➔ Avoid setting up tents in high traffic areas where ants will be active
- ➔ Shake out clothing, bedding, tent material and check your boots before use
- ➔ Police area after use and dispose of trash in accordance with FH disposal policies
- ➔ Smoke in designated smoking areas only. Do not discard butts on the ground. FH Garrison policy 19.
- ➔ Do not cross creek and streambeds or areas with standing water
- ➔ Call Range Operations in the event of HazMat spills and nuisance wildlife
- ➔ Venomous insects and reptiles (refer to snakebite first aide)
- ➔ Leave all wildlife alone
- ➔ Do not pick up dead wildlife
- ➔ Report unnatural animal behavior to Range Operations
- ➔ Do not attempt to remove nuisance animals. Animals carry diseases such as hanta virus, west Nile disease, and the plague

- d. Vehicle movement:

Off-road and off- maneuver trail movement is responsible for most of the damage done to training lands. All vehicle movement to and from ranges as well as within training areas is restricted to established roads and trails. FH Regulation 385-8.

SPEED LIMITS

- Max Speed on Garden Canyon Rd is 35 mph
- Max Speed on improved roads is 25 mph
- Max Speed for blackout drive operations is 15 mph
- Max Speed when passing troops is 10 mph



- e. Off limits areas

➔ AREA ZULU is Off Limits at all times! (Unless Unit is conducting a scheduled event such as CLFX or Demolitions)

NOTES

Environmental

- ➔ **DIGGING:** Permit is required for hasty-scrapes, fighting and gun positions > 6 inches deep and must be listed with RFMSS Request and will be approved on a case-by-case basis by Range Operations. A service order is required.
- ➔ **VEGETATION:** Cutting Permit is required and must be listed with RFMSS request and will be approved on a case-by-case basis by Range Operations. A service order is required.
- ➔ **SPILL PREVENTION AND RESPONSE:** Know the FH Environmental Spill Guide and guidance for field showers and waste from military field kitchens.
 - Use drip pans at all times
 - Refueling operations must be at least 650 feet from streams, wetlands, ponds, arroyos and low-lying areas
 - Take immediate action to control and contain spills
 - Contact 911 then Range Operations
 - Complete Spill Report and submit to Range Operations
- ➔ **HAZARDOUS WASTE:** Hazardous waste and used petroleum products are to be accumulated at satellite accumulation or POL points located at the point of generation. Units are responsible for labeling, storage, inspections, and transport to the **installation 90-day accumulation point, building 90403.**
- ➔ **FIRE RESPONSE:** Call 911 immediately regarding the size of a fire, then contact Range Operations.
- ➔ **NATIONAL ENVIRONMENTAL POLICY ACT (NEPA):** Compliance with NEPA is required PRIOR to any decision being made on an action to determine potential impacts on the environment. **Consult early in your planning with NEPA staff.** The NEPA process can take from a **few weeks to years to complete.**
- ➔ **WASH RACKS:** GS vehicles: Transportation Pool 3-3671, MP's: Fire Station 1) 3-2116, 2) 3-7004, 3) 8-2866, Tactical Vehicles: Unit Motor Pools.



Cultural Resources

Actions requiring consultation should be submitted 90-120 days in advance.

FH has a long and rich history of use by humans. Objects over 50 years old are protected. Common artifacts found on FH are pottery, arrowheads, military artifacts such as cartridges and buttons, and historic trash such as bottles, and ceramics.



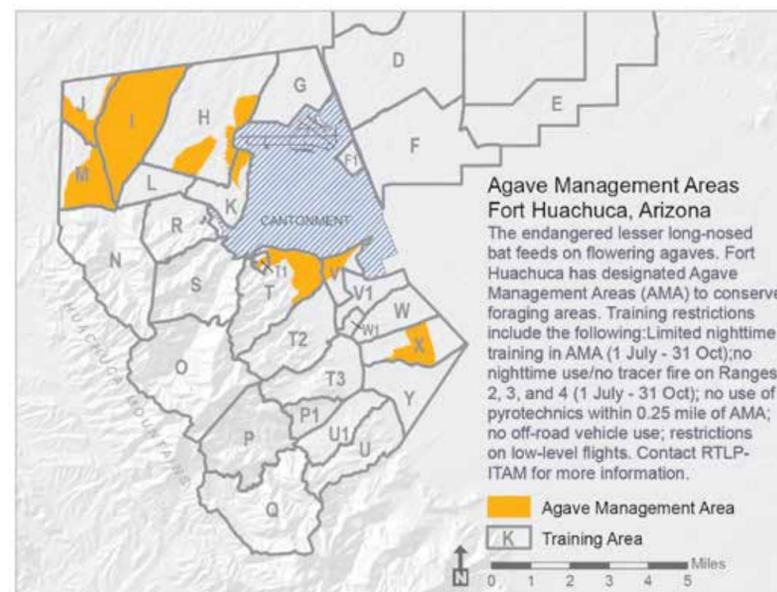
- ➔ Collections of artifacts is prohibited
- ➔ Off-road maneuver or other ground disturbance in archaeological sites is prohibited
- ➔ Most cultural sites are unmarked
- ➔ Contact Range Operations early on in planning a FTX

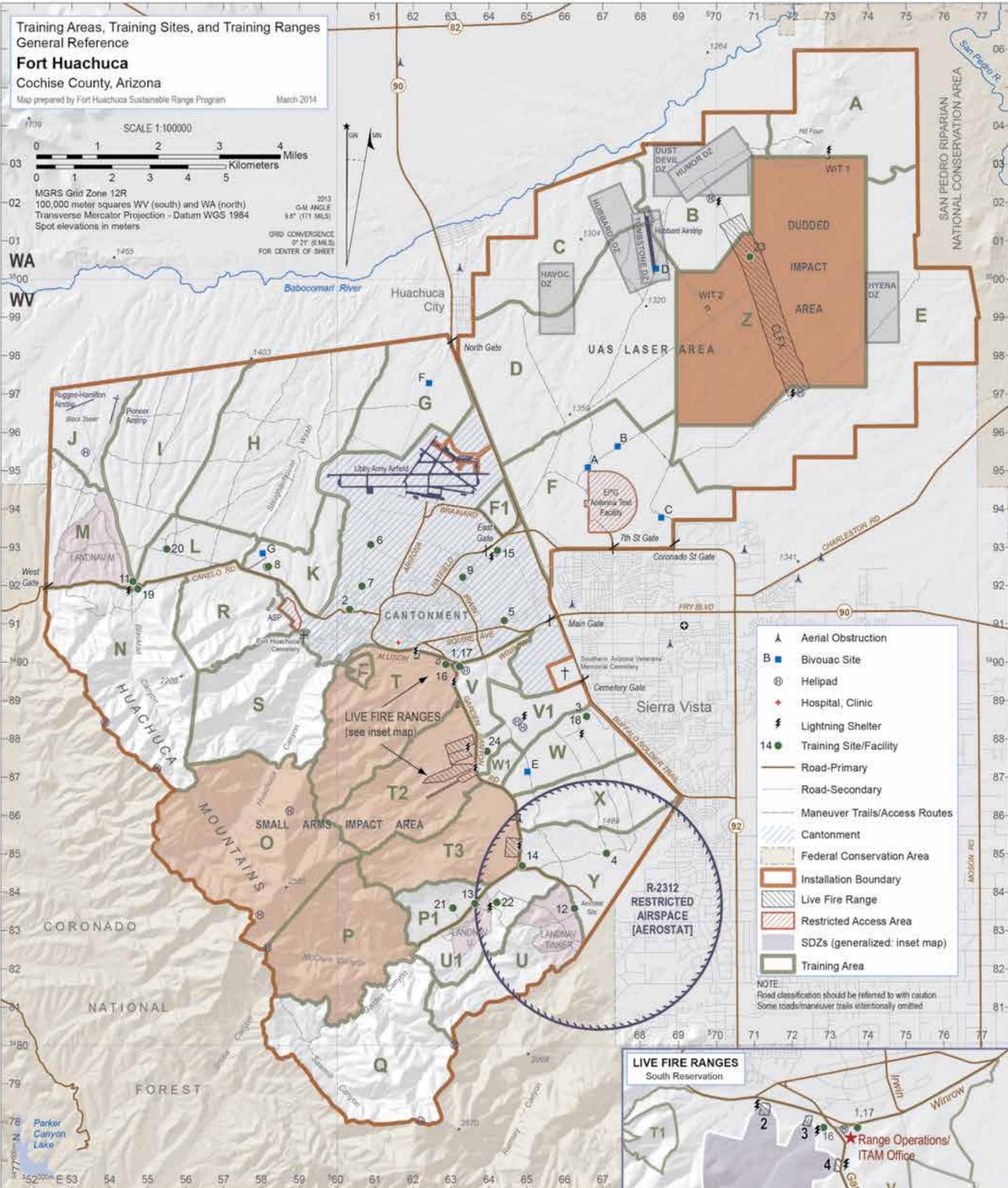
Threatened, Endangered and Sensitive Species and Training Restrictions

Training land is critical to meeting the Army's mission today and in the future. Protected species and their habitat can limit training land capability or completely close the land to training. FH has been successful in meeting conservation and recovery efforts while continuing to provide mission essential training and testing capabilities.



- ➔ There are seasonal night time and low-level UAS and helicopter restrictions
- ➔ Caves are off limits year round
- ➔ Year round restrictions in Agave Management Areas (see below)
- ➔ Contact Range Operations for other restrictions when reserving an area and planning a FTX.





Training Areas, Training Sites, and Training Ranges
General Reference
Fort Huachuca
Cochise County, Arizona
Map prepared by Fort Huachuca Sustainable Range Program March 2014

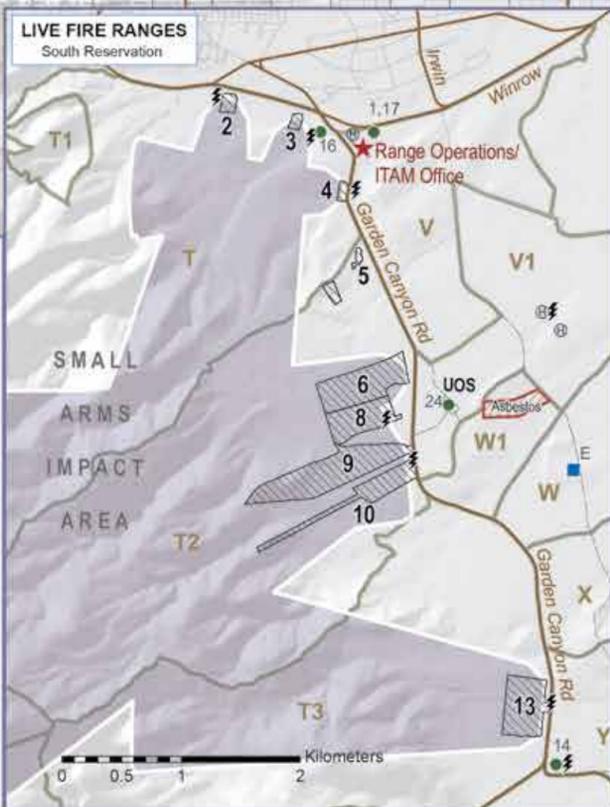
SCALE 1:100000
0 1 2 3 4 Miles
0 1 2 3 4 5 Kilometers
MGRS Grid Zone 12R
100,000 meter squares WV (south) and WA (north)
Transverse Mercator Projection - Datum WGS 1984
Spot elevations in meters
2013 G-M ANGLE 0.8" (171 MILS)
GRID CONVERGENCE 0" 21" (6 MILS) FOR CENTER OF SHEET

- A Aerial Obstruction
 - B Bivouac Site
 - ⊕ Helipad
 - ⊕ Hospital, Clinic
 - ⚡ Lightning Shelter
 - 14 Training Site/Facility
 - Road-Primary
 - Road-Secondary
 - Maneuver Trails/Access Routes
 - ▨ Cantonment
 - ▨ Federal Conservation Area
 - ▭ Installation Boundary
 - ▨ Live Fire Range
 - ▨ Restricted Access Area
 - ▨ SDZs (generalized: inset map)
 - ▭ Training Area
- NOTE:
Road classification should be referred to with caution.
Some roads/maneuver trails intentionally omitted.

- Training Sites/Facilities
- 1 Air Deployment Training
- 2 Apache Flats
- 3 Area W ATV Training
- 4 Battle Lab Test Facility
- 5 BTA 2
- 6 BTA 1
- 7 Confidence Course/Obstacle Course
- 8 Demonstration Hill
- 9 EST 2000 (Engagement Skills Trainer)
- 10 Gravel Pit ATV Training
- 11 Land Navigation M
- 12 Land Navigation Tinker
- 13 Land Navigation U
- 14 Leadership Reaction Course (LRC)
- 15 NBC Confidence Chamber
- 16 Rappel Tower
- 17 Rope Bridge Construction
- 18 Site Boston
- 19 Site Freedom
- 20 Site Maverick (TIC/LSA/UOS/FOB)
- 21 Site Papa (TIC/Upper/Lower)
- 22 Site Uniform (TIC/Village)
- 23 Urban Operations Site (East)
- 24 Urban Operations Site (South)

- ▨ Live Fire Ranges
- 2 10 - 25 meter Zero
- 3 Post Marksmanship
- 4 Combat Pistol Qualification Course
- 5 Hand Grenade Assault
- 6 Known Distance/Zero
- 8 Modified Record Fire
- 9 Multipurpose Machine Gun Zero and Qualification
- 10 M203/M2 Qualification
- 13 Modified Record Fire
- CLFX Convoy Live Fire (East Reservation)
- WIT 1 Light Demolition Range (East Reservation)
- WIT 2 Light Demolition Range (East Reservation)
- Bivouac Sites
- A Area F Site 1
- B Area F Site 2
- C Area F Site 3
- D Hubbard Bivouac
- E Site Little Boston
- F Site North Gate
- G 2/13 Av Rgmt Bivouac

RANGE OPERATIONS CONTACT: 520.533.7093



RANGE AND TRAINING FACILITY INFORMATION

Live Fire Ranges

- Range 2 – Rifle Marksmanship M-16 zero, 40 FPs, 300m
- Range 3 – Small bore multi-weapon range, 15 FPs, 1000m
- Range 4 – Combat pistol qualification course, 15 Lane, 31m
- Range 5 – Combat hand grenade (inert) course
- Range 6 – Zero and known distance, 50 FPs, 100m
- Range 8 – Modified record fire, 10 FPs, 300m
- Range 9 – Multi-purpose machine gun range, 4 FPs, 800m, MK-19, no HE
- Range 10 – M203/M320 grenade zero and qualification, 1500m, .50Cal qualifications, no HE
- Range 11 – Small arms squad/platoon infantry maneuver, non-standard events, 700m
- Range 13 – M-16 modified record fire and zero, 16 FPs, 300m
- WIT 1 – Explosives and pyrotechnics, high risk training event
- WIT 2 – Explosives and pyrotechnics, high risk training event
- Convoy Live Fire Range – 3 miles, 5.56 mm, Area Z
- ▬ Sustainable Range and Training Land Safety Course: Range 8 Classroom first and third Wednesday of each month
- ▬ Access all ranges via Garden Canyon Road except CLFX, WIT 1&2



Training Facilities

- UOS – Urban Operations Site w/29 mil-van buildings, 2-story maximum
- Battle Lab – MOUT
- NBC Chamber – CBRN mask confidence exercises
- Obstacle Course – Obstacle negotiation
- Confidence Course – Confidence Exercises
- Leadership Reaction Course
- Rappel Tower – Wall Rappelling, 4 level platform
- Rappel Cliffs – Ground Rappelling, 70 to 100 feet
- Bivouac and FTX Sites – established sites for patrolling and tactics training
- Land Navigation Courses – TA M (West), TA U, Tinker (South)
- Aircraft Mock-Up – Unit Movement of a C-141

- Range Operations 533-7093
- ▬ 0530-1630 weekdays
- ▬ Unit funded overtime weekends
- ▬ Closed all Federal holidays

Range Scheduling

- Tenant Units – 21 days prior to the first desired date of training
- Non-tenant Units – no later than 5 weeks prior to event

RFMS – Range Facilities Management Support System

Range Scheduler – 533-1014, Building 15424

Composite Site Risk Management Worksheet
GRAT – Ground Risk Assessment Tool, web based

Range Safety Specialist – 533-7311, Building 15425

Check-In Procedures

Live Fire Ranges

Units must check in with the Fire Desk Operator at Bldg 15424.

Live Fire Ranges and Facilities:

- ▬ 30 minutes prior to the event on the scheduled day.
- Drop Zones:
- ▬ 90 minutes prior to time on target on the published NOTAM.
- Documents: DD Form 1902 (range safety card), (request summary), DA Form 581 (ammo receipt), fire plan (as needed) and **2 copies** of a risk management worksheet, signed at the appropriate level

Training Areas

- ▬ 1500 hrs the day prior to the scheduled use
- Documents: Digging permit (as needed), fire plan (as needed) and **2 copies** of a risk management worksheet, signed at the appropriate level

Check-Out Procedures

Live Fire Ranges

- ▬ Call for a "cold" time
- ▬ Police and clean the area
- ▬ Call Range Operations request a Range Inspector
- ▬ Once cleared, return to Fire Desk for final check out procedures

Training Areas

- ▬ Police and clean the area
- ▬ Report to Fire Desk to close out

