



# WHITE SANDS MISSILE RANGE AT A GLANCE



U.S. ARMY

White Sands Missile Range (WSMR) is a unique tri-service installation dedicated to Test and Evaluation (T&E) research, and the assessment of military weapon systems and commercial products through testing and training. We are DoD's largest open-air land test range.

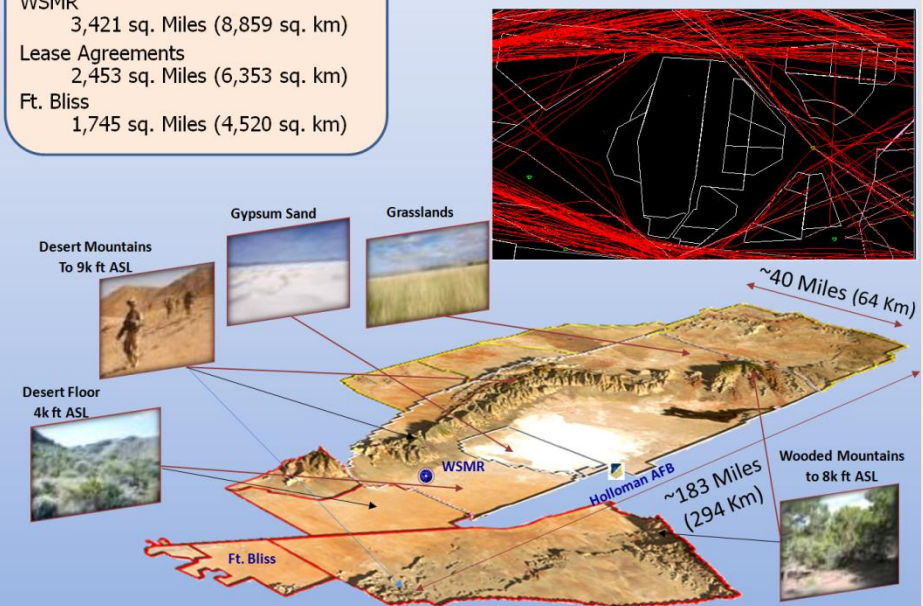
## WSMR's CAPABILITIES:

- Unmanned systems  
Large controlled airspace for sensors & weapon evaluations
- Space Systems and Sensors  
Space vacuum, radiation, and thermal environments
- Directed Energy  
DoD experts at laser and HPM testing
- Countermeasures  
Office of SecDef and Army Research Lab center of excellence
- Missiles and Rockets  
Small up to tactical ballistic missiles
- Urban Environments  
Six existing urban sites; joint urban city underdevelopment
- Command, Control, Communications, and Computers, Intelligence, Surveillance and Reconnaissance (C4ISR)  
NIE, WIN-T, and many other programs
- Electromagnetic Environment Effects (E3)  
100kHz to 50 GHz open air
- Nuclear Weapons Effects  
Only reactor available in all DoD and DoE
- System of Systems (ABCTM)  
AIAMD, NIFC-CA, NIE and many other battle command programs

### Total Land Space

Total Land Space	7,619 sq. Miles (19,732 sq. km)
WSMR	3,421 sq. Miles (8,859 sq. km)
Lease Agreements	2,453 sq. Miles (6,353 sq. km)
Ft. Bliss	1,745 sq. Miles (4,520 sq. km)

### Land Mass, Airspace, and Topography



## FACTS AND HIGHLIGHTS:

- Visibility greater than 6 miles, 311 days per year
- Land Space: 100 miles x 40 miles expandable to 180 miles x 60 miles (i.e. Rhode Island and Delaware combined)
- Diverse terrain ranges from high desert valley at 4,000' MSL to desert and mountains at 9,000' MSL
- Restricted Air Space: 10,020 miles ground to space expandable to 11,130 miles
- Full DoD airspace control (Same as over White House)
- Full spectrum control, jamming, GPS, and joint operations

# UNIQUE CAPABILITIES

## URBAN TEST FACILITIES

JOINT URBAN TEST FACILITY  
MOUNTAIN AND YUCCA VILLAGES

## NUCLEAR EFFECTS TESTING

FAST BURST REACTOR  
WHITE SANDS SOLAR FURNACE  
RELATIVISTIC ELECTRON BEAM ACCELERATOR  
COMPACT FLASH X-RAY SIMULATOR  
LINEAR ELECTRON ACCELERATOR  
RADIATION CORRELATION LABORATORY  
SEMICONDUCTOR TEST LABORATORY  
LARGE BLAST THERMAL SIMULATOR

## SPACE EFFECTS TESTING

COMBINED RADIATION ENVIRONMENT  
GAMMA RADIATION FACILITY

## ELECTROMAGNETIC EFFECTS

EM RADIATION AND INTERFERENCE  
ELECTROSTATIC DISCHARGE FACILITIES

## DIRECTED ENERGY

SOLID STATE LASER TESTBED  
PULSED LASER VULNERABILITY TEST SYSTEM  
THREAT LASERS

ADVANCED POINTED TRACKER

LASER BEAM DIRECTOR

HIGH POWER MICROWAVE/LIGHTNING TESTS

## AERIAL CABLE FACILITIES

3- MILE SUSPENDED CABLE SPAN TESTING

## DYNAMIC TESTING

DROP AND CENTRIFUGE TESTS  
WARHEAD ARENA AND IMPACT TARGET TESTS

## CLIMATIC TESTING

TEMPERATURE TEST FACILITIES (-80°F TO 200°F)  
CORROSION, DUST, WIND, RAIN, FOG  
DESERT, MOUNTAIN, GRASSLAND  
ENVIRONMENT

CLASS 1.1 EXPLOSIVE TESTING RATED  
ALTITUDE CHAMBER AND IMMERSION TANK

## UNDERGROUND TUNNEL COMPLEXES

## REMOTE CONTROL VEHICLE TARGETS

## BOMBING RANGE

OPSEC Review Date: May 24, 2011 Approved for Public Release, Distribution unlimited

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# Visit Us

**Bataan  
Memorial  
Death**

**March 19th, 2017**

**Trinity Site  
April 2 and  
October 1, 2016  
(575) 678-1134**

**Museum  
M-Fri 8-4, Sat 10-3  
(575) 678-3358**

TRINITY SITE  
WHERE  
THE WORLD'S FIRST  
NUCLEAR DEVICE  
WAS EXPLODED ON  
JULY 16, 1945  
ERECTED 1948  
WHITE SANDS MISSILE RANGE  
J. FREDERICK THORLIN  
MAJOR GENERAL, U.S. ARMY  
COMMANDING



## KEY CUSTOMERS:

NASA, Air Force, Navy, PEO-Integration, High Energy Laser Systems Test Facility (HELSTF), Defense Threat Reduction Agency (DTRA), Training and Doctrine Command (TRADOC), Army Research Lab (ARL), NRO, DARPA, Center for Countermeasures (CCM), and Intelligence Community.

**I want to work with WSMR**

**Call: 1-866-532-9767**

**usarmy.wsmr.at.ec.mbx.team-white-sands@mail.mil**

**Website: [www.wsmr.army.mil](http://www.wsmr.army.mil)**

WSMR is committed to providing critical test and training services to our customers *on-time and on-budget.*