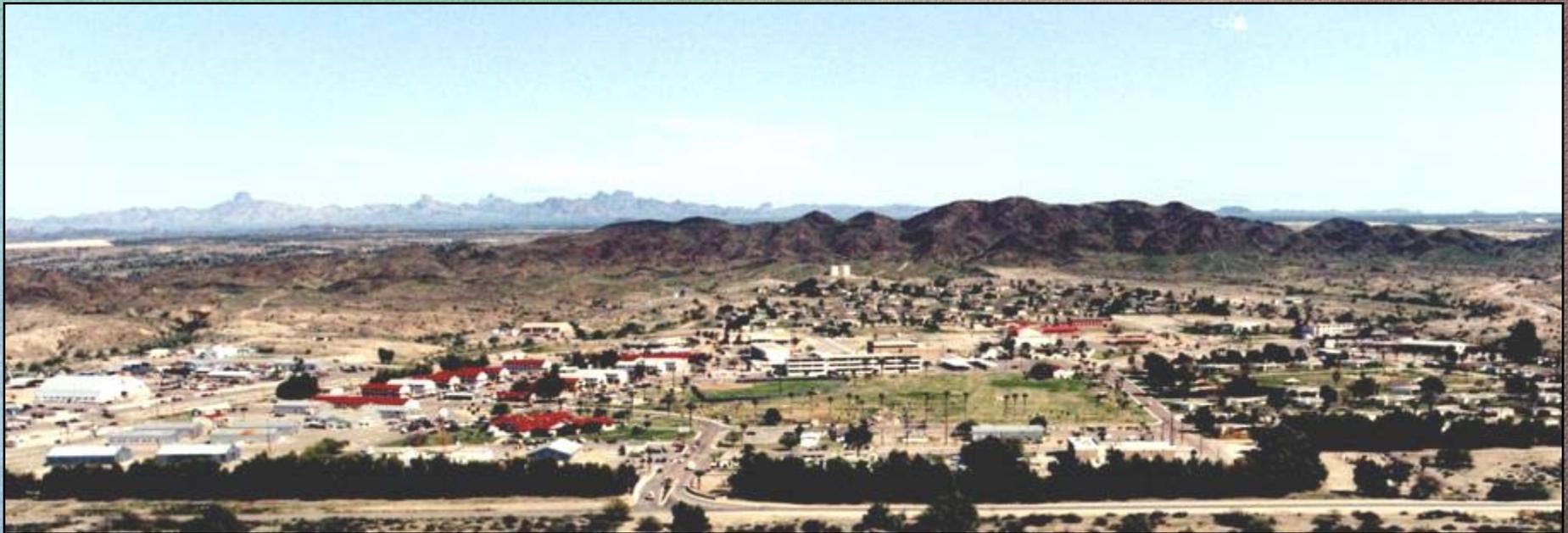




Yuma Proving Ground Site Familiarization Brief to The Army Basing Study Group



COL Stephen Kreider
Commander, U.S. Army Yuma Proving Ground
March 23, 2004





TABS Presentation Outline



- Introduction/Macro-level YPG Overview
- Core Mission Activities
- Training, Experimentation and Special Operations Support
- Tenant Activities
- Break
- U.S. Army Garrison Yuma
- Special Topics
- Conclusion/Wrap-up





What I Want to Leave You With



Best analog to world's desert regions and Afghanistan

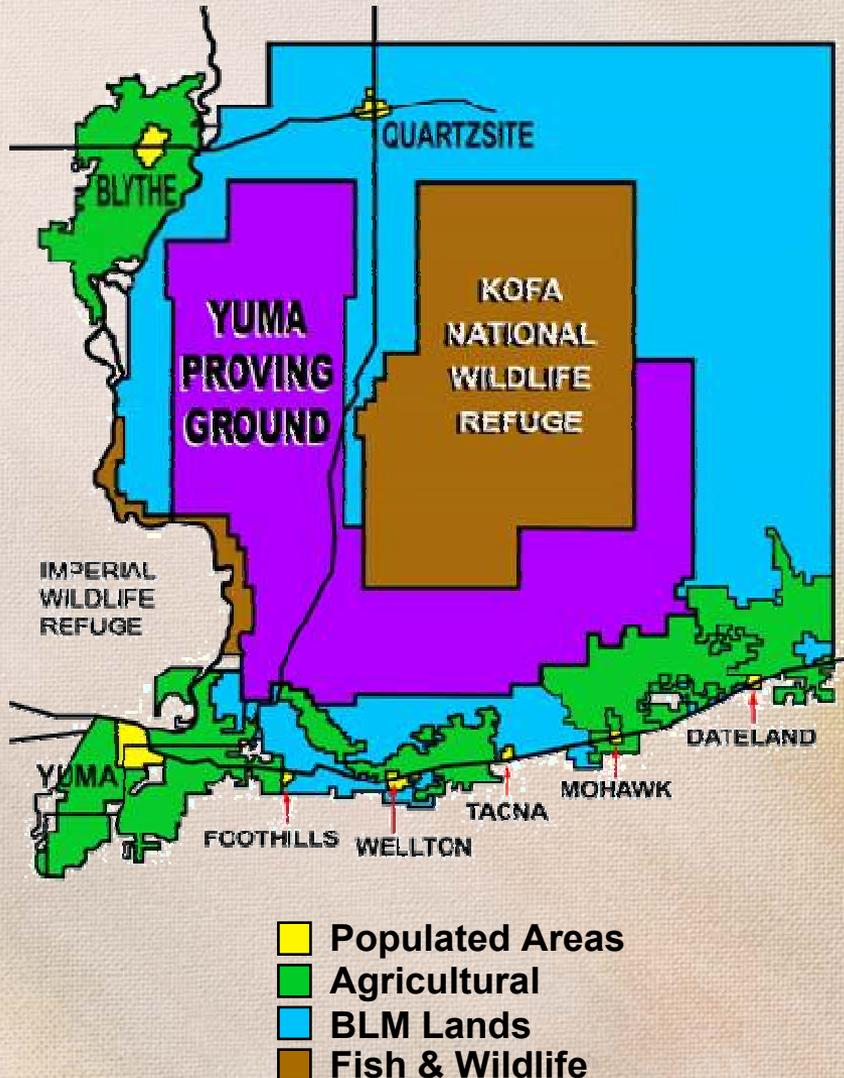
Vast land and air space with room for expansion

No significant environmental or encroachment issues

Joint Testing and Training being integrated today



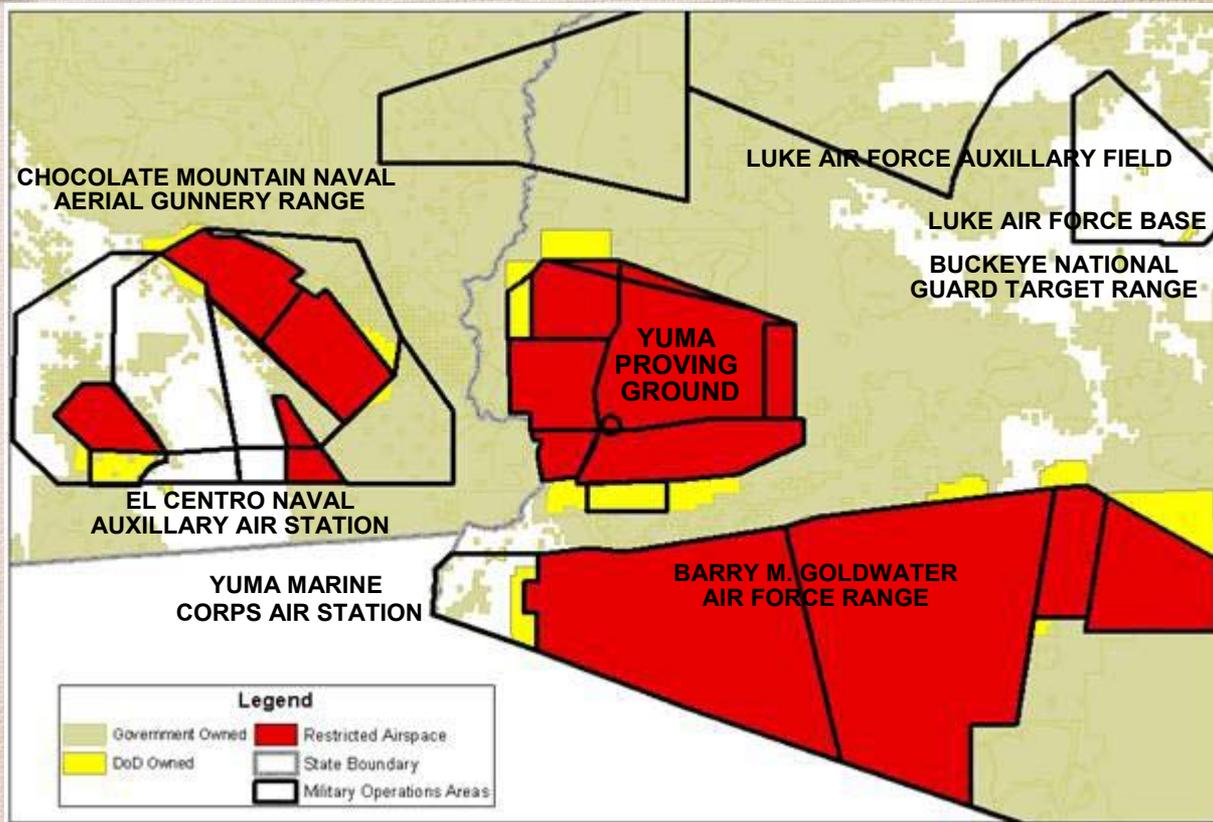
Yuma Proving Ground Landscape



- One of the largest military installations in the world
- Over 838,000 acres; roughly the size of Rhode Island
- No urban encroachment
 - Predominantly bordered by other Federal lands
 - Mountains to south and west inhibit civilian spread
 - 26 miles from Yuma, AZ
- No endangered species constraints



Yuma Area Airspace



- Control of Restricted Airspace (1,264,693 acres)
- 80,000' airspace ceiling
- Airspace reserved 7 days per week/24 hours per day
- Stable atmosphere, dry clear air, low wind, near sea level altitude (498.9' ASL)
- 360 VFR flying days/year



Yuma Proving Ground Satellite Activities



COLD REGIONS TEST CENTER
Fort Wainwright and
Fort Greely, Alaska



TROPIC TEST SITE
Hawaii



TROPIC TEST SITE
Panama

Cold Regions Test Center

- 670,713 acres; 254,000 acres of impact area
- Airspace designated user and range priority
- Tracked and wheeled vehicle mobility courses
- Instrumented ranges
- Assault strips and drop zones
- C5 runway (winter)

Tropic Regions Test Center

- Access to numerous test sites in Panama through Cooperative Research and Development Agreements
- Contractor support HQs in Panama City
- Tropic test sites in Hawaii (Schofield Barracks, Naval Magazine Lualualei and Pacific Missile Range Facility)



Yuma Proving Ground Core Mission Areas





Yuma Proving Ground Resources - Personnel (Actual and Projected)

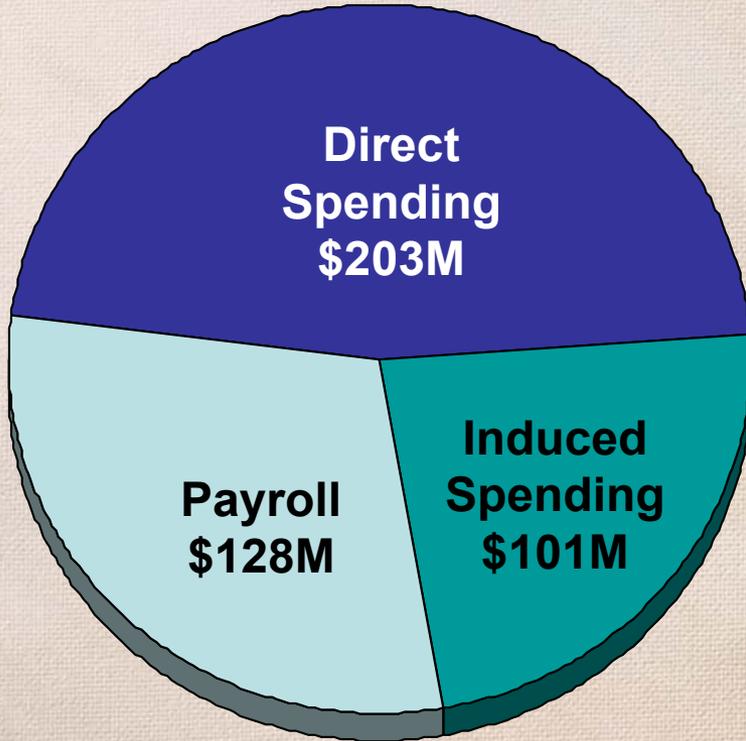


	FY01	FY02	FY03	FY04 - FY07
Civilian	600	637	632	629
Military	25	25	26	26
Contractor	698	780	784	851
Total Other TDA Tenants	118 (82)	123 (82)	121 (82)	121 (82)
NAF	86	86	97	94
Total Other Tenants	156 (75)	155 (75)	137 (75)	137 (75)
Other Contracts	29	41	40	38
Total	1,712	1,847	1,837	1,896

} (465 Mission
190 Garrison)



Yuma FY03 Economic Impact



Workforce of ~1,900



Military Retirees - 102



Seasonal Visitors - 156+

\$432M economic impact to local community



Yuma Infrastructure



- 603 buildings totaling 2,065,527 sq ft
- 214 housing units
- 183 miles of paved roads
- 822 miles of unpaved roads
- 383 miles of electric lines
- 12 sewage lagoons



Real Property
\$1.207 B

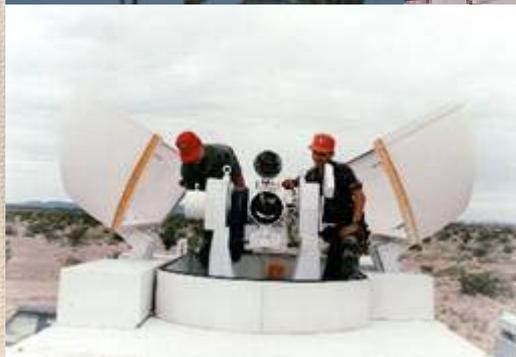




Yuma Instrumentation and Equipment

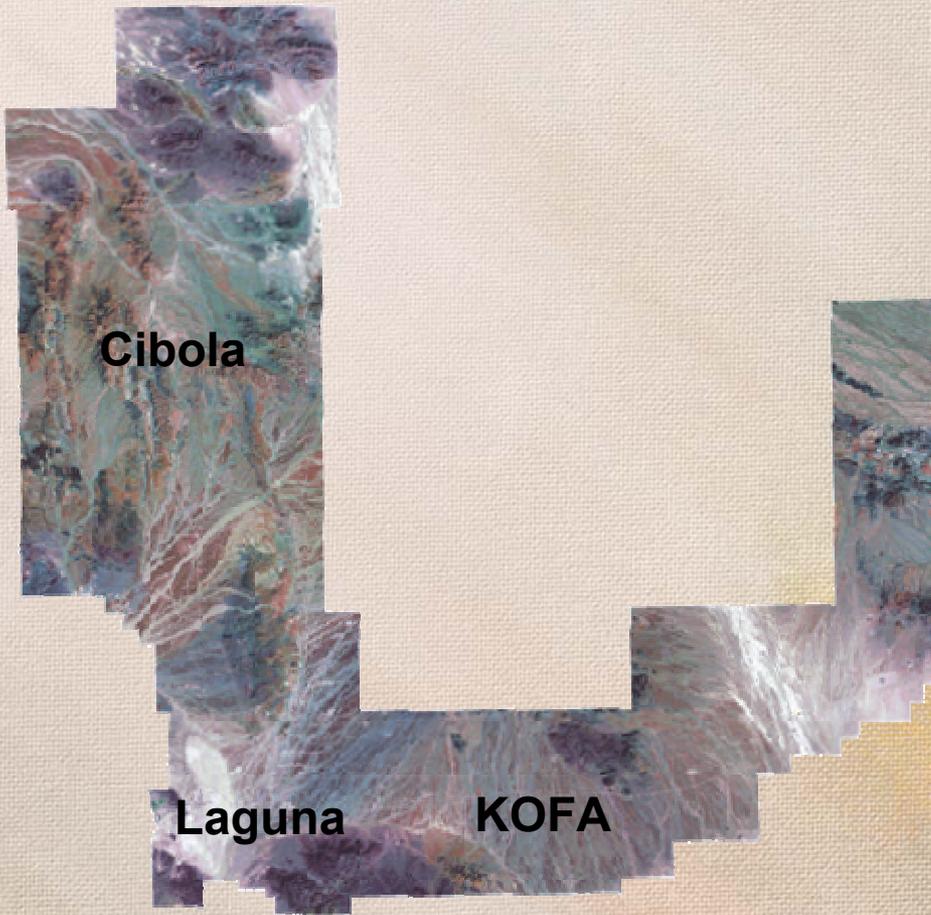


**\$520M
Instrumentation
& Equipment**





Yuma Test Areas



- YPG - owns over 838,000 acres and controls an additional 426,521 acres of airspace
- Cibola - aircraft armament, air delivery, manned and unmanned aircraft
- KOFA - direct and indirect fire, mine and countermine
- Laguna - airfield, mobility testing, test operations center

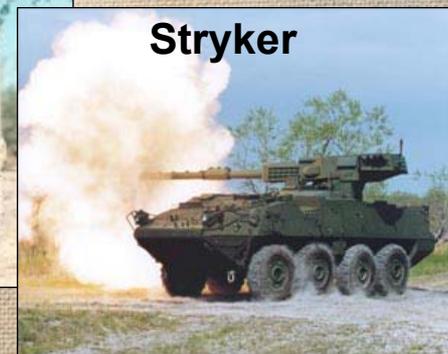


Ground Combat Systems Core Mission Activities



• CURRENT PROGRAMS

- Stryker (IOT&E of Mortar Carrier Vehicle)
- Preceptor – Robotics for FCS
- FCS NLOS Concept Demonstrator
- Anti-Personnel Landmine Alternative (Spider)
- M1114 Up-Armored HMMWV FPT
- M915 Family of Heavy Tactical Vehicles
- M3A3 Bradley Fire Support (BFIST)
- Light Armored Vehicle - 25 (LAV-25) Improved Thermal Sight System (ITSS)
- M1A2 Abrams APIVT XV and SEP Tanks
- Selectable Lightweight Attack Munition
- M777 Lightweight 155 Howitzer



• CORE COMPETENCIES

- Large Caliber Munitions
- Munitions Production Acceptance
- Mine/Countermines
- Smart Munitions
- Integrated Armored & Artillery Systems
- Direct Fire Weapons
- Weapon Systems Testing
- Vehicle Target Acquisition Systems
- Automotive Systems Performance
- Heavy Equipment Transport Systems
- Desert Environmental Testing
- Robotics



Air Combat & Soldier Systems Core Mission Activities



• CURRENT PROGRAMS

- Improvised Explosive Devices (IEDs)
- Advanced Tactical Parachute System (ATPS)
- C-130J Airdrop Qualification
- Precision Airdrop Technology Development
- Low Cost Aerial Delivery System
- Apache Modernized Target Acquisition Designation Site (MTADS)
- Comanche Mission Equipment/Weapons
- Kiowa Warrior Software Validation
- Expendable UAV Systems
- AC-130 Gunship Sensor Technologies



Predator UAV



Joint Experimentation
Range Complex



• CORE COMPETENCIES

- Integrated Aviation Systems
- Aircraft Munitions and Weapons
- Precision Navigation Systems
- Target Acquisition Systems
- Unmanned Aerial Vehicles
- Personnel Parachute Systems
- All Classes of Cargo Air Delivery Systems
- Guided Parachute System Technologies
- Materiel Qualification for Air Drop (including munitions)
- Soldier Systems
- Desert Environmental Testing



Experimentation Support UAV Test Capabilities



- 1,976 Square Miles Dedicated to Aviation Ops
- Abundant Restricted Airspace
- Remote Test Ranges
- Characterized Test Range for Performance Evaluations
- Clear Stable Weather, Low Wind
- Challenging, Varying Terrain
- Combined Arms Opportunities
- Precision Aircraft Tracking
- Adaptive Instrumentation
- Tactical Target Support



Predator UAV



Parachute Deployed UAV



Autonomously Guided
Powered Parafoil



OSD Joint Experimentation Range Complex



Little Baghdad



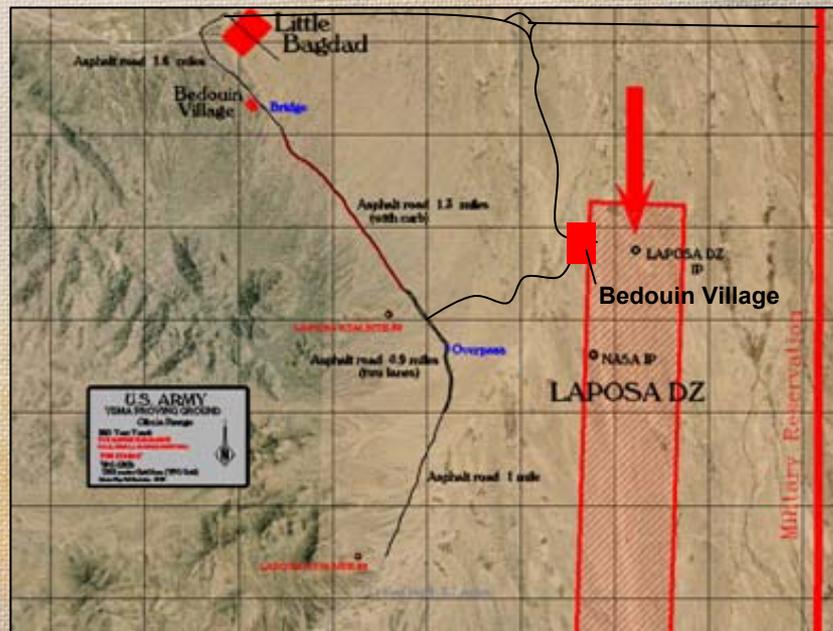
Bedouin Village

CAPABILITIES

- Large remote land/airspace with fully controlled access
- Urban and rural terrain environments; ready for expansion: 9.1 miles of roadway, 163 buildings
- Rapid reaction and focused support
- Highly flexible instrumentation that is customized to each test

OBJECTIVES

- To facilitate rapid experimentation of sensor technologies for the detection and defeat of threats (e.g., IEDs) in an urban/rural environment



Direct Support to the Warfighter! –

“All technologies will be tested at YPG prior to fielding” – OSD Special Projects



OSD Joint Experimentation Range Complex



Replication of Specific Urban Threat Areas



OSD Sensor Evaluation Test Capability



OBJECTIVES

- To provide a comprehensive test environment for advanced sensor technologies. Initial focus is on providing test capabilities for integrated surveillance systems

CAPABILITIES

- Terrain representative of potential theater of operations
- Characterized terrain, vegetation, and geological properties
- Robust data acquisition capability
- Effective communications systems



*Direct Support to the Warfighter! –
New initiative in early concept development.*



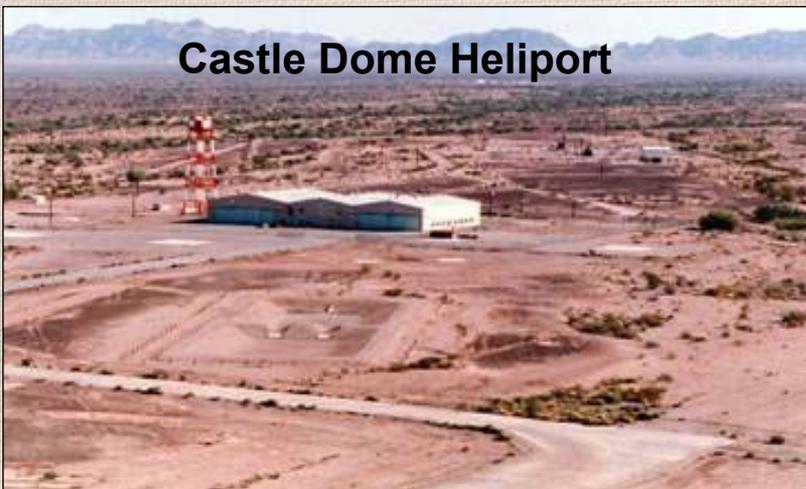
Laguna Test Area Airfield Facilities



Laguna Army Airfield



Castle Dome Heliport



- **Laguna Army Airfield (887 acres)**
 - Full Service Class B Airfield
 - Two 6,000'+ Runways
 - 45,000 sq ft Hangar, Shop, Test Space
 - 22,500 sq ft Hangar, Shop, Test Space under construction
 - Instrumented Support Aircraft
 - 800 – 1,000 Takeoffs/Landings per Month
 - DDESB Certified to 30K lb Explosives
 - Engineering Facilities
- **Castle Dome Heliport (77 acres)**
 - Integrated Operations and Maintenance Area
 - Two Hangars (22,000 sq ft Total)
 - 3,000' x 65' Runway
 - Aviation Maintenance/Avionics Facility
 - Roll-away UAV Maintenance Facility
 - Turreted Gun Firing Positions



Laguna Test Area Automotive Testing

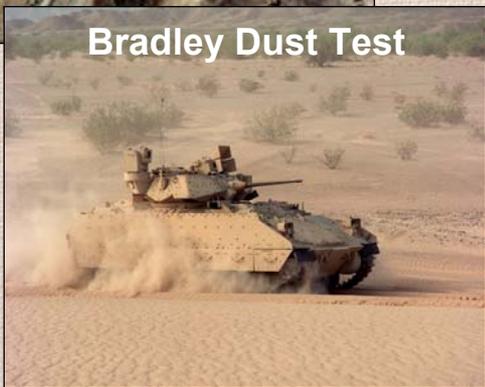


- **CORE COMPETENCIES**

- Automotive Systems Performance
- Durability
- Heavy Equipment Transport
- Tire Testing



Laguna Test Complex



Bradley Dust Test



M978 Heavy Expanded
Mobility Tactical Truck



Slope Test

- **CAPABILITIES**

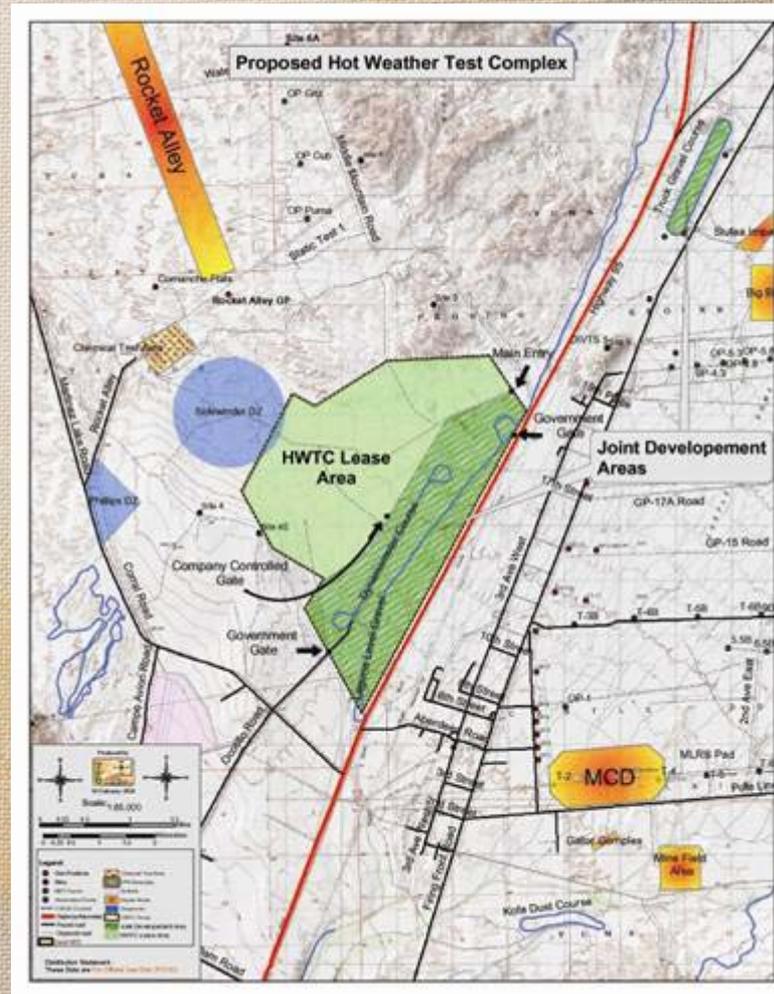
- 200 miles of Surveyed and Profiled Test Courses; 200 Miles of Surveyed Trails
- Sand and Dust Courses
- Mid-East Test Course
- Dynamometer Test Course
- Paved and Sand Dynamometer Courses
- Imperial Sand Dunes
- Desert Terrain/Durability Test Courses
- Tire Test Courses
- Evasive Maneuver and Brake Test Area
- Specialized Vehicle Instrumentation
- High Temperature Areas

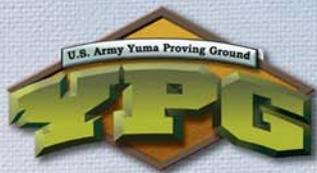


Proposed Hot Weather Test Complex Joint Private Sector / YPG Concept



- Long-term lease of land in exchange for private sector construction of paved test courses
- Report of Availability (ROA) currently at ACSIM
- Guidance received on preparation of Availability for Lease. Document currently being prepared
- Corps of Engineers, Baltimore District mentoring YPG effort. Has provided action POC's at Phoenix and Los Angeles offices to assist in preparation of additional submissions required





Cold Regions Test Center Capabilities



Bolio Lake Test Complex



Texas Maintenance Facility



• INSTRUMENTATION

- Radar Systems
- Mobile, Self-Contained Labs
- GPS Reference
- Velocity Measurements
- High Resolution Optics
- Breech Pressure
- Optical & Infra-Red Imaging
- High Speed Film & Video
- Computational Facility
- Real-Time Data
- Microwave Transmission System



Ammunition Supply Point

• FACILITIES

- High Explosive Ranges
- Maintenance Shops with Heavy Lift Capability
- Allied Trades Facility
- Non-Destructive Test Capabilities
- Ammo Storage
- Mine/Countermine Test Area
- Mobility Courses
- MOUT Facility
- Numerous Direct and Indirect Firing Ranges



CRTC

Core Mission Activities



• CURRENT PROGRAMS

- Stryker
- M777 Lightweight 155 Howitzer
- High Mobility Artillery Rocket System (HIMARS)
- Guided Multiple Launch Rocket System (GMLRS)
- Mongoose – Mine Clearing
- XM8 Rifle (5.56, 40mm, 12 gauge)
- SOCOM Sympathetic Detonator (SYDET)
- Commercial Vehicle Testing



Stryker

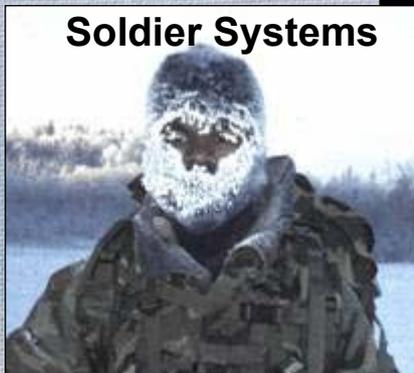


Apache Hellfire

• CORE COMPETENCIES

Cold Regions Testing of

- Individual Soldier Systems
- Armored & Artillery Systems
- Large Caliber Munitions
- Smart Munitions
- Direct Fire Weapons
- Automotive Systems Performance
- Heavy Equipment Transport
- Aircraft Munitions and Weapons
- Sensors/Target Acquisition Systems



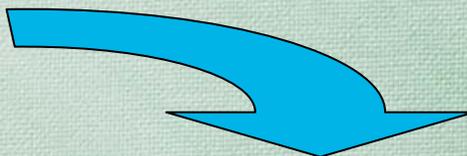
Soldier Systems



Lightweight Howitzer



Panama Tropic Test Sites (Current and Proposed)

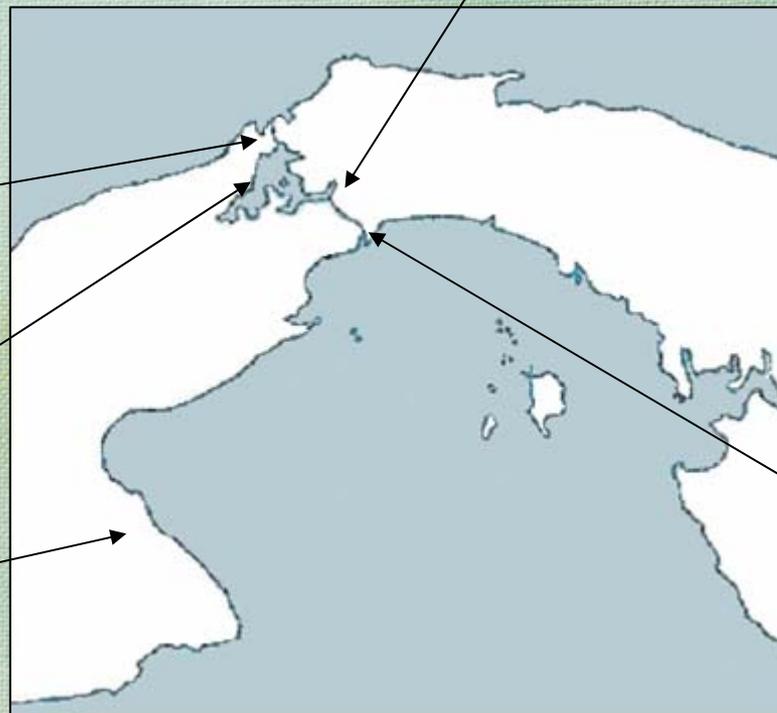


Gamboa / Cerro Tigre

Ft. Sherman Area

Piña Test Area

Chitre



Panama City



Hawaii Tropic Test Sites



Pacific Missile Range Facility

- Long Term Munition Storage Capability



Schofield Barracks

- Individual Soldier Systems
- Communications and Electronics
- Chemical and Biological Detectors
- Mine Countermine Systems
- Vehicle Mobility
- Small Caliber Weapons
- Soldier Mobility Course

Naval Magazine, Lualualei

- Existing Missile Storage Site



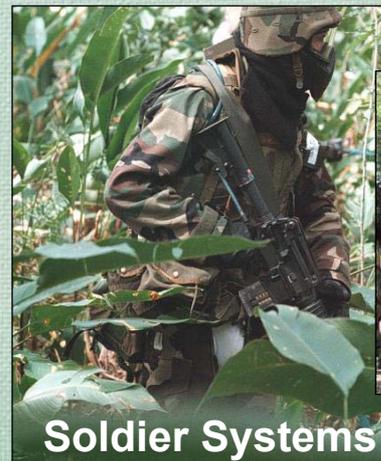
TRTC

Core Mission Activities

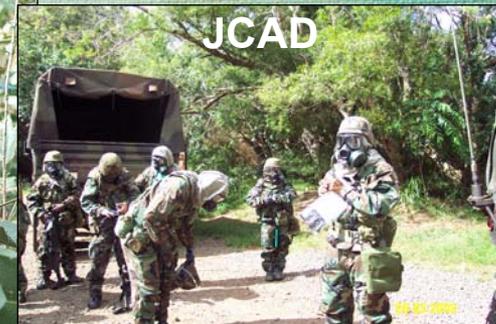


• CURRENT PROGRAMS

- XM-8 Rifle
- Joint Services Lightweight Standoff Chemical Agent Detector (JSLSCAD)
- Joint Service General Purpose Mask
- Joint Protective Aircrew Ensemble
- Joint Chemical Agent Detector (JCAD)
- Handheld Standoff Mine Detection System (HSTAMIDS)
- Line-of-Sight Research Project
- Foliage Penetrating Radar
- UAV/Sensor Test



Soldier Systems



JCAD

• CORE COMPETENCIES

Tropic Regions Testing of

- Individual Soldier Systems
- Mine Countermine Systems
- Sensors/Target Acquisition Systems
- Chemical/Biological Protective Systems
- Chemical/Biological Detectors
- Automotive Systems Performance
- Communications/Electronics Systems
- Exposure Testing
- Human Factors Engineering



HSTAMIDS



JSLSCAD



Current Tropic Testing Initiatives



- Implementation of formalized “Three Step” coordination process with SOUTHCOM and U.S. Embassy for tropic testing in Panama
- Partnership with SOCOM and Panamanian National Police for utilization of Cerro Tigre for testing and training
- Support of SOUTHCOM initiatives
- Partnership with U.S. Army Medical Research and Materiel Command
 - Telemedicine
 - Test & Evaluation requirements
- Partnership with SOCOM on utilization of Piña area
 - Vehicle mobility testing
 - Sensor testing in double and triple canopy
 - Access to UAV staging and support areas
 - Housing and MWR support for soldiers
- Pursuit of sites in Surinam for heavy vehicle and weapon testing





Test & Evaluation Reliance Lead Areas



**Indirect Fire Weapons
Systems And Munitions**

**Natural Environment
Testing**



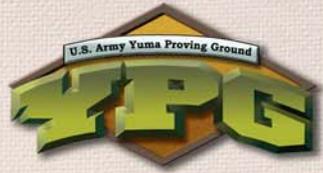
**Specialty Site For
Land Vehicle Testing**

**Specialty Site for Rotary
Wing Armaments Testing**



**Electric/Electro-thermal
Gun Testing**





Yuma Military Training



YPG nominated by JFCOM for JNTC site review



Yuma Training Events



	FY02	FY03	FY04 (to date)
Army	4	8	8
USMC	23	18	13
Air Force	3	4	1
Navy	2	2	1
Joint Services	0	1	1
Guard/Reserves	4	9	2
Special OPS	0	2	1
Homeland Security	1	0	1
Foreign Units	1	2	1
Private Industry	0	1	0
Community Programs	1	1	1
Total	39	48	30



FY02: 5,673 personnel
FY03: 4,787 personnel
FY04: 2,369 (to date)



YPG supports all branches of the US Military Services, Guard and Reserve Components, Allied Foreign Military Services, and Homeland Security



U.S. Marine Corps Weapons & Tactics Instructors Course (WTI)



Y.P.G. Providing:

- Forward Operating Base (FOB)
- Combat Ammunition Loading Area (CALA Pad)
- Operations site for UAV's
- Remote Air Traffic Control Site
- Range Access for Stinger Gunnery and Maneuver



CALA-Pad Rearm/Refuel



Stinger

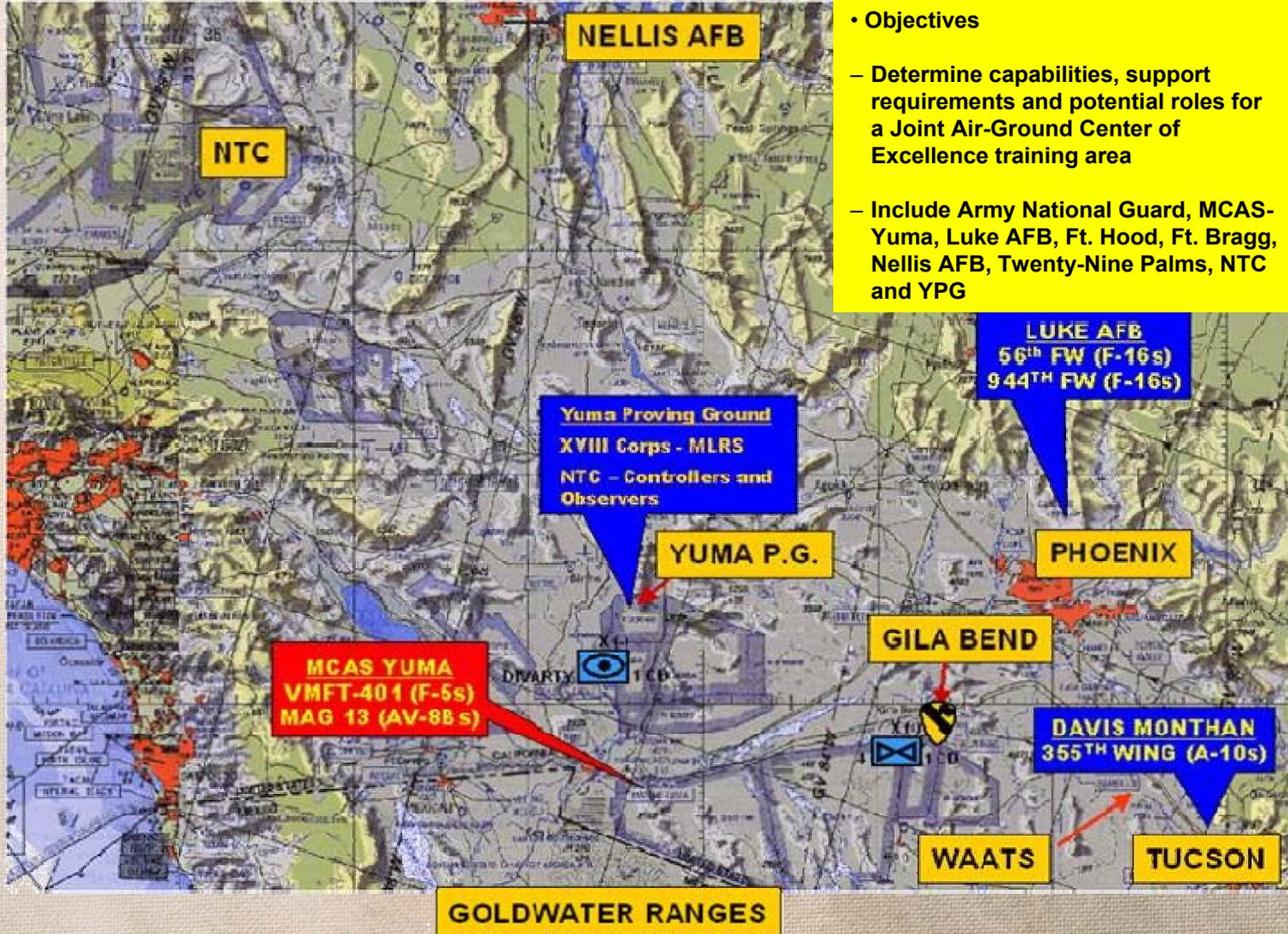


Pioneer





Joint Air to Ground Center of Excellence (JAGCE)



- Objectives
 - Determine capabilities, support requirements and potential roles for a Joint Air-Ground Center of Excellence training area
 - Include Army National Guard, MCAS-Yuma, Luke AFB, Ft. Hood, Ft. Bragg, Nellis AFB, Twenty-Nine Palms, NTC and YPG



JAGCE, XVIII Corps Proof of Principle

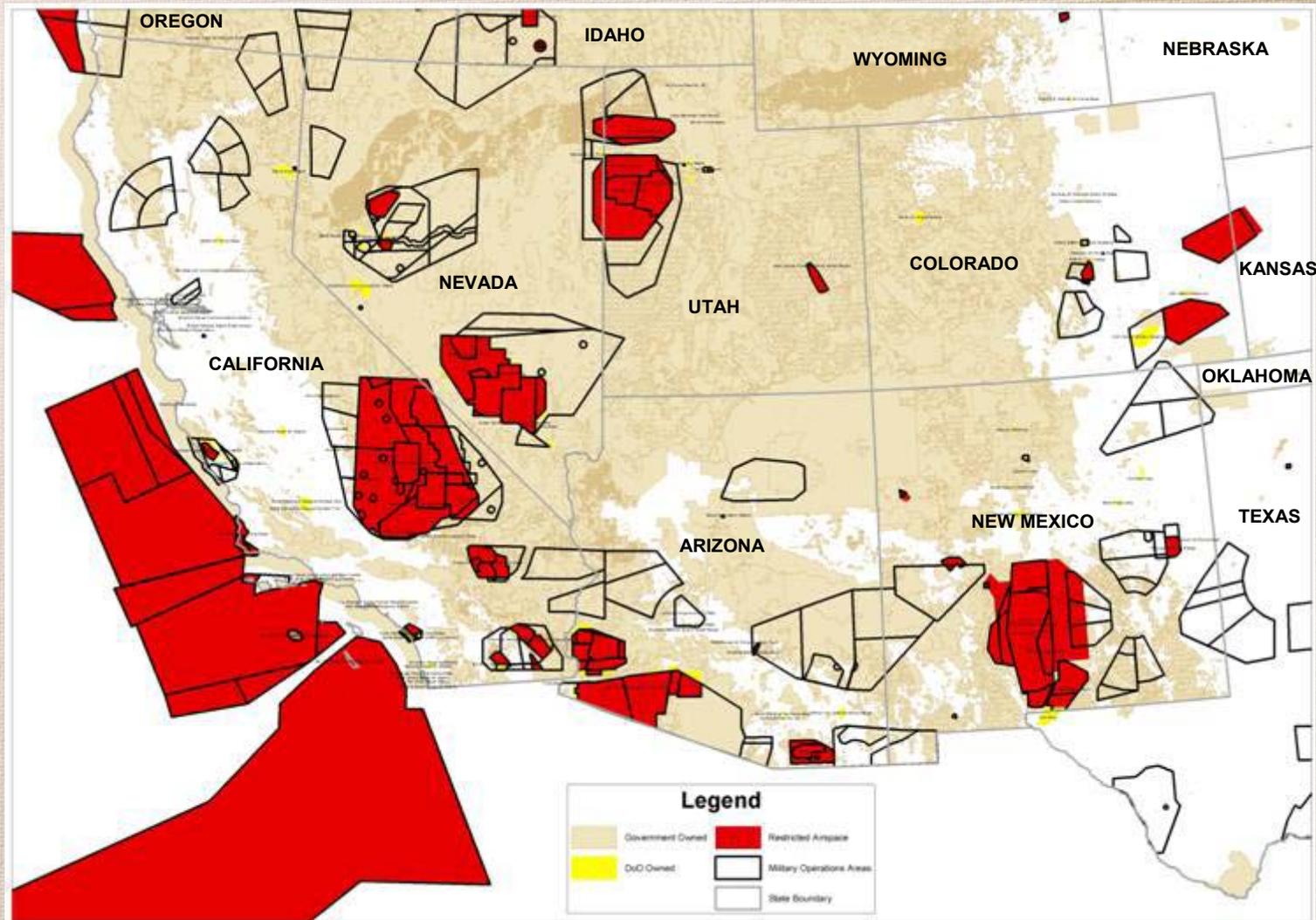


- 22 March - Advance Party arrives
- 26 March - Main Body arrives
- 320 personnel estimated
 - Participants: Ft. Bragg/Ft. Hood/Ft. Polk/
Ft. Irwin/MCAS-Yuma/WAATS
- Sites identified and approved for Multiple Launch Rocket System (MLRS) use





Southwest Range Complex





Other Initiatives



- **Marine Corps Mobile Training Team to become tenant of YPG**
- **Special Warfare Training Battalion proposal to relocate from Ft. Bragg to YPG**
- **Arizona National Guard Field Artillery Battalion and Transportation Company proposal to move to YPG**
- **Army Brigade proposal being prepared**



Tenant Activities





YPG Tenants



Special Warfare Training Center



Golden Knights



Tethered Aerostat Radar System



Acquisition Center



TMDE



CPAC



Commissary



AAFES



Health Clinic



Veterinary Service





U.S. SOCOM Military Free Fall School



- Will conduct more than 30,000 jumps per year (2,500 jumps a month/125 jumps per day)
- Graduates (approx) per year:
 - 650 basic military freefall parachutists
 - 240 military freefall jumpmasters
 - 32 advanced military freefall parachutists
- Permanent presence at YPG since 1994
 - Army & Air Force adding more students in FY04
- MFFS partnering with YPG to build Vertical Wind Tunnel Training Facility
 - Future Vertical Wind Tunnel will support all western SOF unit training requirements
 - Potential users include Army Golden Knights, Navy Leap Frogs & SEALs, and British RAF Falcons
 - Currently developing Cost Benefit Analysis



MFFS



SOF \$5.2M

Improved quality of training: increased live jump opportunities, increased safety, increased number of classes per year!



Special Operations Terminal Air Control Course (SOTACC)



- First class (17 students)
- Future classes (FY04)
 - 10-28 May, 19 Jul-6 Aug, 6-24 Sep
 - Recertification events
- YPG provides only course with classroom within 10km of impact area
- Joint Air-to-Ground Center of Excellence (JAGCE) and Weapons/Tactics Instructor (WTI) Course to leverage SOTACC presence into training scenarios
- SOF working to integrate UAV training



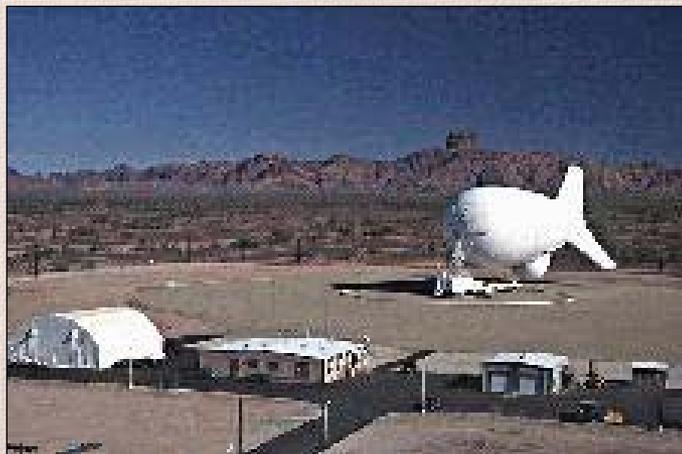
Dec 03 Course

- Fixed and rotary wing participants:
AH-1W, AH-64, AV-8, F-16, F-15, F-18, B-52
- 59 sorties provided 286 total controls
- Ordnance expended consisted of: 112 2.75 HE Rockets; 1,550 20mm HEI; 12 MK-83 1,000 lb HE; 35 MK-82 500 lb HE; 166 MK-76 Inert; 7 Laser Guided Training Rounds





Yuma Tethered Aerostat Radar System (TARS)



- Supports air sovereignty and counter drug operations by North American Aerospace Defense Command, U.S. Coast Guard & U.S. Customs
- Operated/maintained by staff of 29 Lockheed Martin personnel under USAF contract
- Permanent presence at YPG since 1991
- Also provides low level air coverage to YPG Range Control and MCAS-Yuma plus a communications retransmission capability

- **Airspace: R-2309**
- **Operating Limits: Surface to 15,000'**
- **Payload: AN/DPS-5 and AN/TPS 63 radars**
- **Range: Approximately 200 NM**
- **Payload Weight: 1,200 lbs**





Test, Measurement and Diagnostic Equipment Support Laboratory



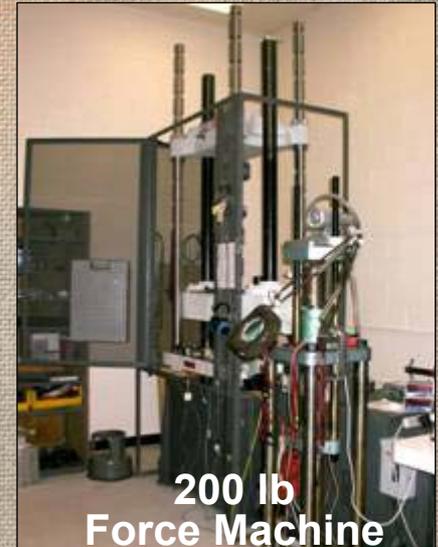
- Provides calibration and repair support for YPG range instrumentation, test equipment and maintenance facilities
- 5,391 items supported for YPG in FY03
- 3,656 average annual calibrations performed in FY03
- Lab staffed by 6 full-time DA civilians



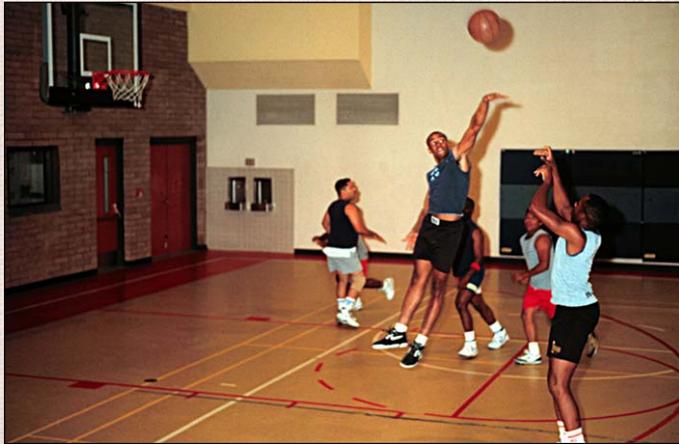
Low-Pressure Console



Automated Oscilloscope Calibration Work Station

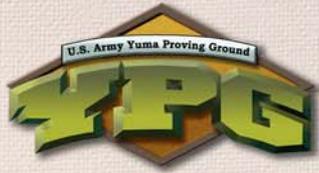


200 lb Force Machine

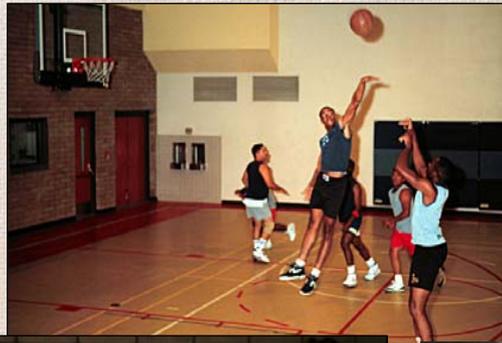


U.S. Army Garrison





U.S. Army Garrison Yuma



- Public Works
- Logistics
- Community Activities
- Religious Support
- Public Safety
- Legal
- EEO
- Law Enforcement & Security
- Environmental
- Plans, Analysis & Integration
- Resource Management
- Fire & Emergency Services





Smart Housing Utilization Plan (SHUP)



Before



After

- 5 year plan (Oct 03-Oct 08)
50-60 renovations
- Housing for other service requirements (MCAS)
- 46 year old family units upgraded for \$14K to \$16K
- Funded by civilian rents
- Safer, attractive, more useful family homes
- Caring for our military and DoD workforce families



Base Housing



- **Current plan -- 114 new houses**
- **FY03- replace 25 units \$6.1M**
- **FY05- replace 55 units \$14.9M**
- **FY07- replace 34 units \$8.5M**
- **Energy Star Compliant, increased living space & storage, modern floor plans, neighborhood upgrades**





Barracks Upgrade Program



- Completed 2001
- 59 Rooms plus common areas
- Meets the Army 1+1 concept
- Single soldier rooms
- Private bath
- Kitchen service area
- Walk in closet
- Additional bulk storage
- Refurbished dayrooms & laundry rooms





AAFES Mini-Mart



- **8,283 sq ft Building to replace 1952 Building**
- **Includes Retail, Launderette, Barber/Beauty Shop**
- **Includes Self-Serve Gas Station w/card reader for 24 hour operation**
- **Scheduled Completion Jun 05**



Customer Funded Facilities



• Customer funded construction and/or improvements to YPG facilities
Total \$5,612K in FY03 and FY04. Included are:

- KTM and Laser Tracker Mounds/Mounts - \$100K
- SOTACC Close Air Support Simulator - \$140K
- Temperature/Humidity Upgrades at Ammo Rigging Facility - \$210K
- Countermine Testing & Training Range - \$312K
- Portable Maintenance Hangar - \$400K
- Phoenix Site - \$700K
- Joint Experimental Range - \$2,200K





Emergency Services



Law Enforcement Operations
Physical Security & Antiterrorism
DOD Police & Guard Activities
**Liaison with all Federal, State, County,
and Municipal Law Enforcement Agencies**



**Emergency Response
and Live Fire Training**



**Community Awareness
and Education**

Logistics Services



Cradle to grave installation-wide hazardous material management



Range scrap and UXO/AEDA disposal



Tactical to practical Maintenance Capability



HAZMART



Scrap/AEDA Disposal Compound



Maintenance Complex



MWR

Recreation & Business Programs



**Auto skills,
4 bays**

Arts & Crafts

**Lodging,
113 rooms**

Library

**Cactus Café,
365 day, full-service**

**Fitness Center,
weight room
and aerobics**



**Travel Camp,
78 full hook-ups**



**Bowling Center,
full snack bar service**



MWR Family Support Programs



Youth Facilities



New Skate Park



Army Community Services



CDC 99 space capacity



Special Topics

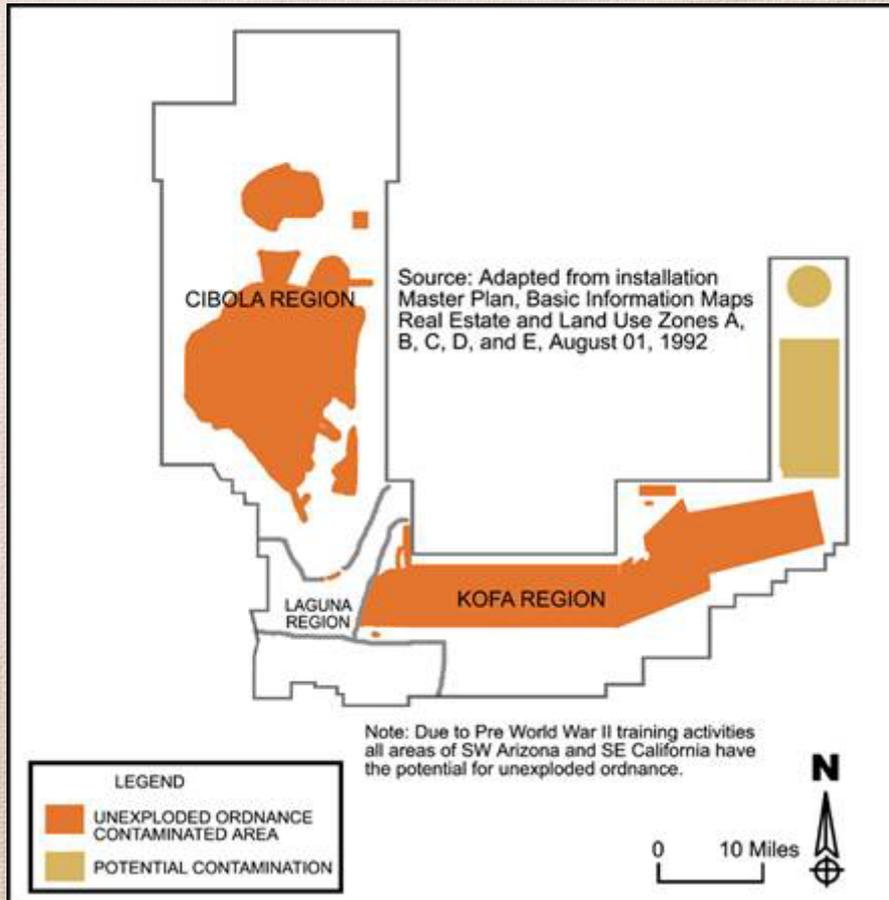


- Environmental Characteristics/Clean-up
- Current Infrastructure Assessment
- Expansion Capacity/Capability
- Readily Assumable Missions
- Key YPG Initiatives





Environmental Characteristics/Clean-up



- No Significant Encroachment or Environmental Issues
- No Endangered Species Constraints
- Range-wide Environmental Impact Statement implemented
- Effective Range Sustainment Program
- Research Partnerships for Clean Up Technologies and Ecological Process Studies

\$70 B
estimated
cost of range
clean-up



Current Infrastructure Assessment

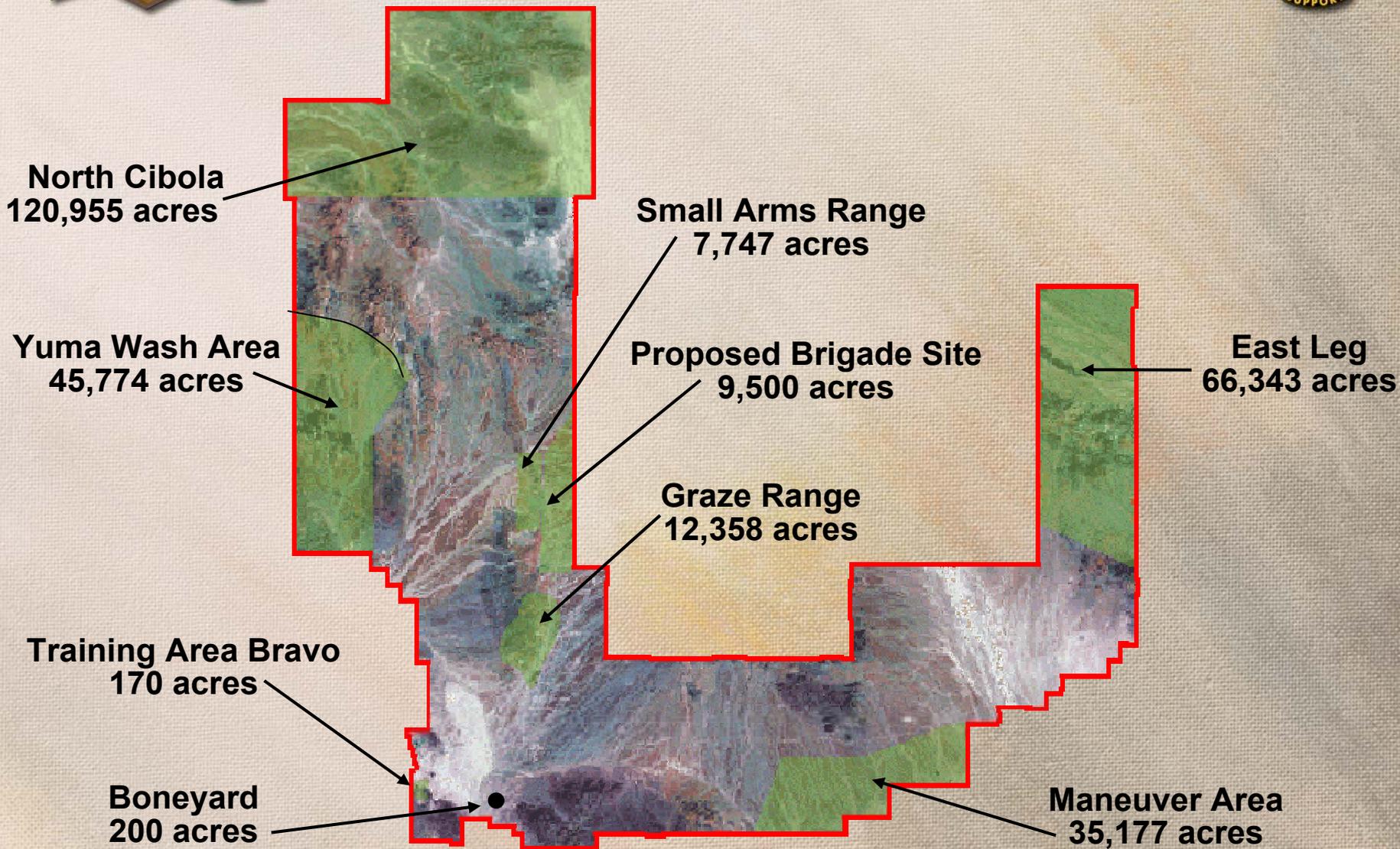


- **Electrical**
 - Majority of electrical energy received from DOE at the lowest rate in the Army. Additional electrical energy is available upon request. Solar power 6% of YPG's average use.
- **Water**
 - Quantity controlled by Colorado River water allotment. Current consumption is about 50% of allotment. Additional water available upon request.
- **Sewer**
 - No limitations. Current capacity is .377 MGD vs. current use of .170 MGD.





Expansion Capacity / Capability (Alternative Land Use)





Readily Assumable Missions



- Capacity for increased testing across all Core Missions
- UAV DoD testbed
- Boneyard
 - Railhead
 - Supports Army's JAGCE initiative
- Major TDA Headquarters
- School House
- Regional targets and threat simulators storage, and maintenance hub
- National MOUT capability
- Marine Corps Mobile Training Team to become tenant of YPG
- Special Warfare Training Battalion proposal to relocate from Ft. Bragg to YPG
- Army Brigade proposal being prepared
- Arizona National Guard
 - Field Artillery Battalion proposed to move to YPG
 - 855th MP Company from Yuma – partnership
 - 2222nd Transportation Company from Phoenix – establish Motor Pool at YPG



Key YPG Initiatives Integration of Testing, Training and Experimentation



- **Complete Range Digital Transmission System Expansion**
- **Enhance Distributed Testing and Training Capabilities**
- **Expand OSD Joint Experimentation Range Capabilities**
- **Expand Joint Battlespace Capability**
- **Continue implementation of YPG's Integrated Training Area Management Program**
- **Integrate Seamless Testing across the Spectrum of Natural Environments**

YPG Unique Multiple Mission Area Synergy



Common Infrastructure
e.g., Maintenance, Data Analysis,
Instrumentation, etc.

**Unique
National Asset**



- DoD Major Range & Test Facility base available to all Services, agencies and private industry
- Simultaneous joint testing and training capability
- No other DoD location can hold all YPG mission areas
- Leverages Southwest Range Complex

**Synergy of Environment, Capabilities, and Attributes =
Transformation of DoD Testing and Training Ranges**



Summary Military Value



- Ability to support experimentation, R&D, acquisition, early user testing and rapidly transition technology from the laboratory to the warfighter
- Support to critical Army, SOCOM and USMC training activities
- Capacity to expand core mission workload, increase level of training activities, and absorb additional Army missions
- Ability to conduct broad range of live fire test and training activities
- Proximity to other western test and training ranges position YPG to be a critical member of a joint, distributed test and training environment

Supporting Our Army at War



What I Want to Leave You With



Best analog to world's desert regions and Afghanistan

Vast land and air space with room for expansion

No significant environmental or encroachment issues

Joint Testing and Training being integrated today