

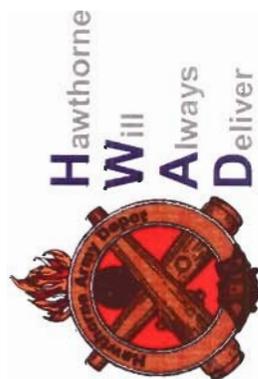
Hawthorne Army Depot

Command Brief

103-06A - A26 - Base Input
Army - Hawthorne Army Depot - NV
BRAC COMMISSION - FY 2005
COFF: _____ DISPOSITION: Permanent

Library Routing Slip 2006 BRAC Commission Materials
Title of Item: Base Input materials
Institution or Community: Hawthorne Army Depot
Source: Base
Certified Material? yes no
Analyst/Provider: George Delgado Date Received: Feb/05

LTC John Summers
Commander
Comm: 775-945-7001
Email: johnny.summers@us.army.mil









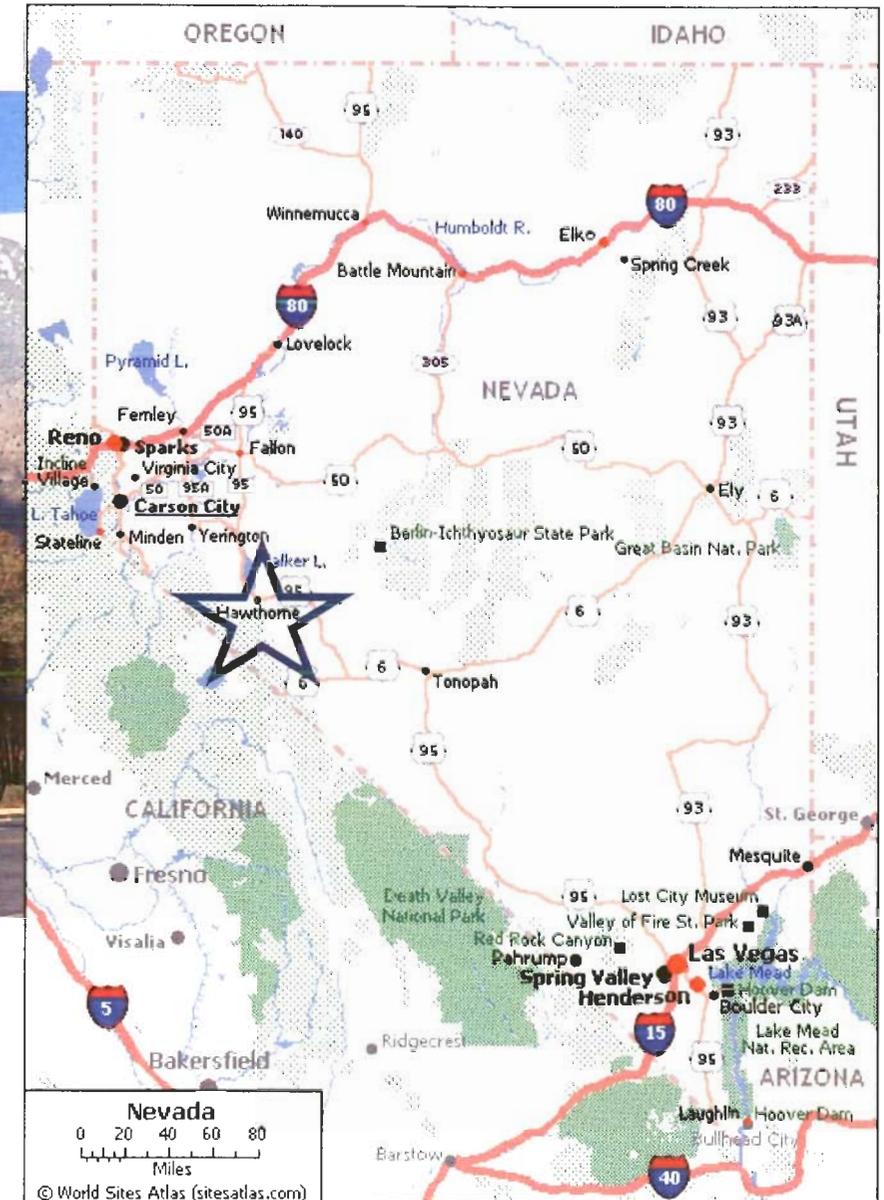




Hawthorne Army Depot



130 Miles South-East of Reno
300 Miles North of Las Vegas
Elevation 4,320 Feet





Mission



Receive, Store and Issue/Ship

Conventional Ammunition



Demilitarize and Dispose of

Unserviceable, Obsolete and

Surplus Ammunition



Renovate Conventional Ammunition



Inspect Conventional Ammunition

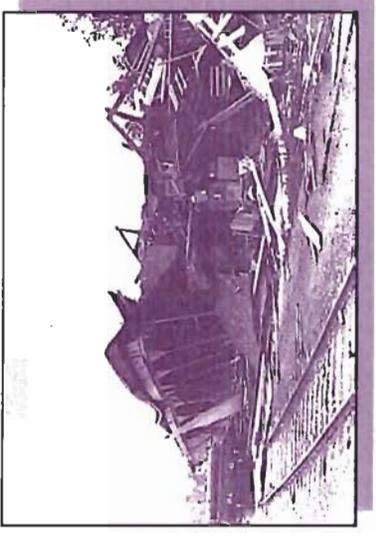


Provide Training Facilities to SOF

and Conventional Forces



History



- **1926 - Lake Denmark, NJ**
- **1929 Construction Began**
- **1930 Commissioned NAD Hawthorne**
- **1977 Redesignated Hawthorne Army Ammunition Plant (GOGO)**
- **1980 Converted to GOCO**
- **1994 Renamed Hawthorne Army Depot**



Operating Contractor



We do what we say.[®]

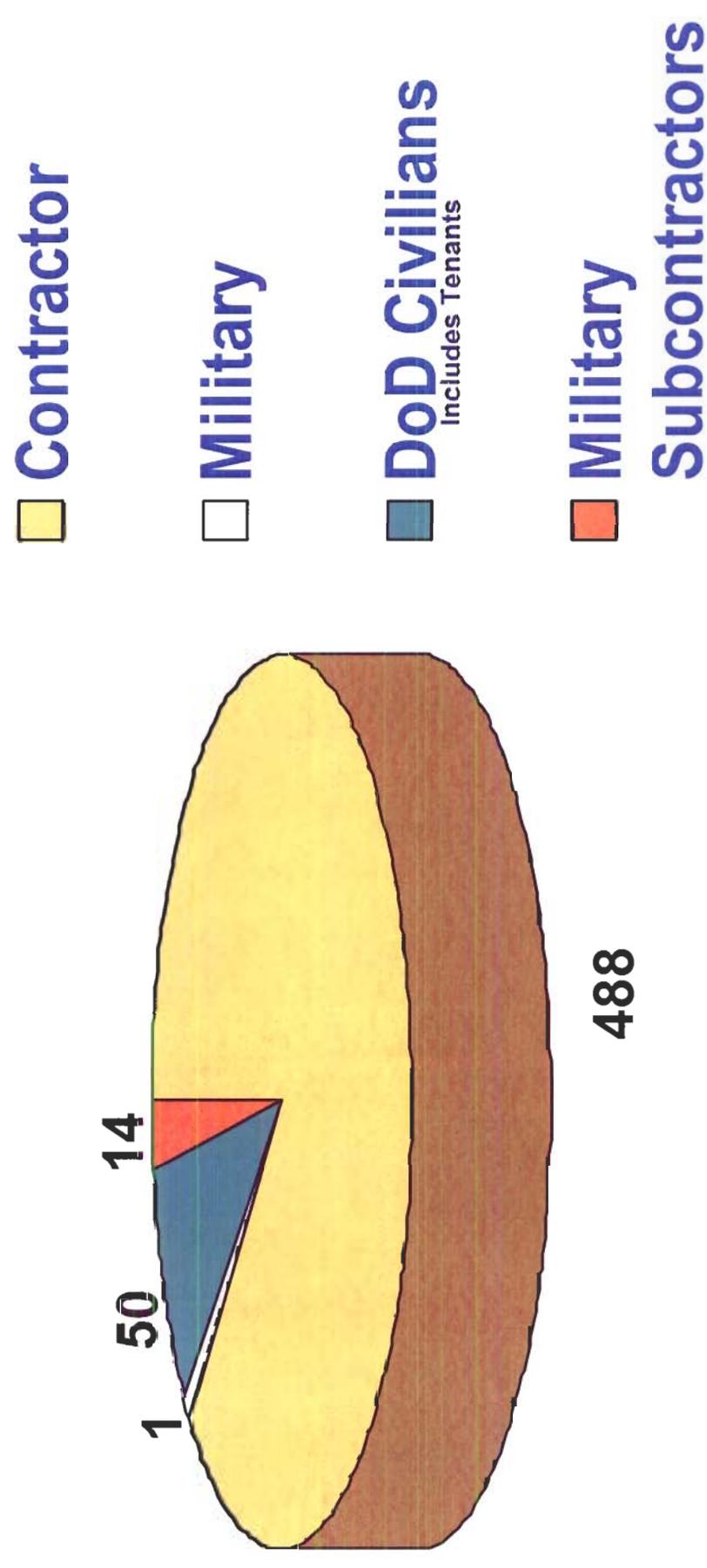
“ISO 9001 Certified Company”

**Day & Zimmermann
Hawthorne Corporation
Mr. Cliff Cichowlaz
President/General Manager**

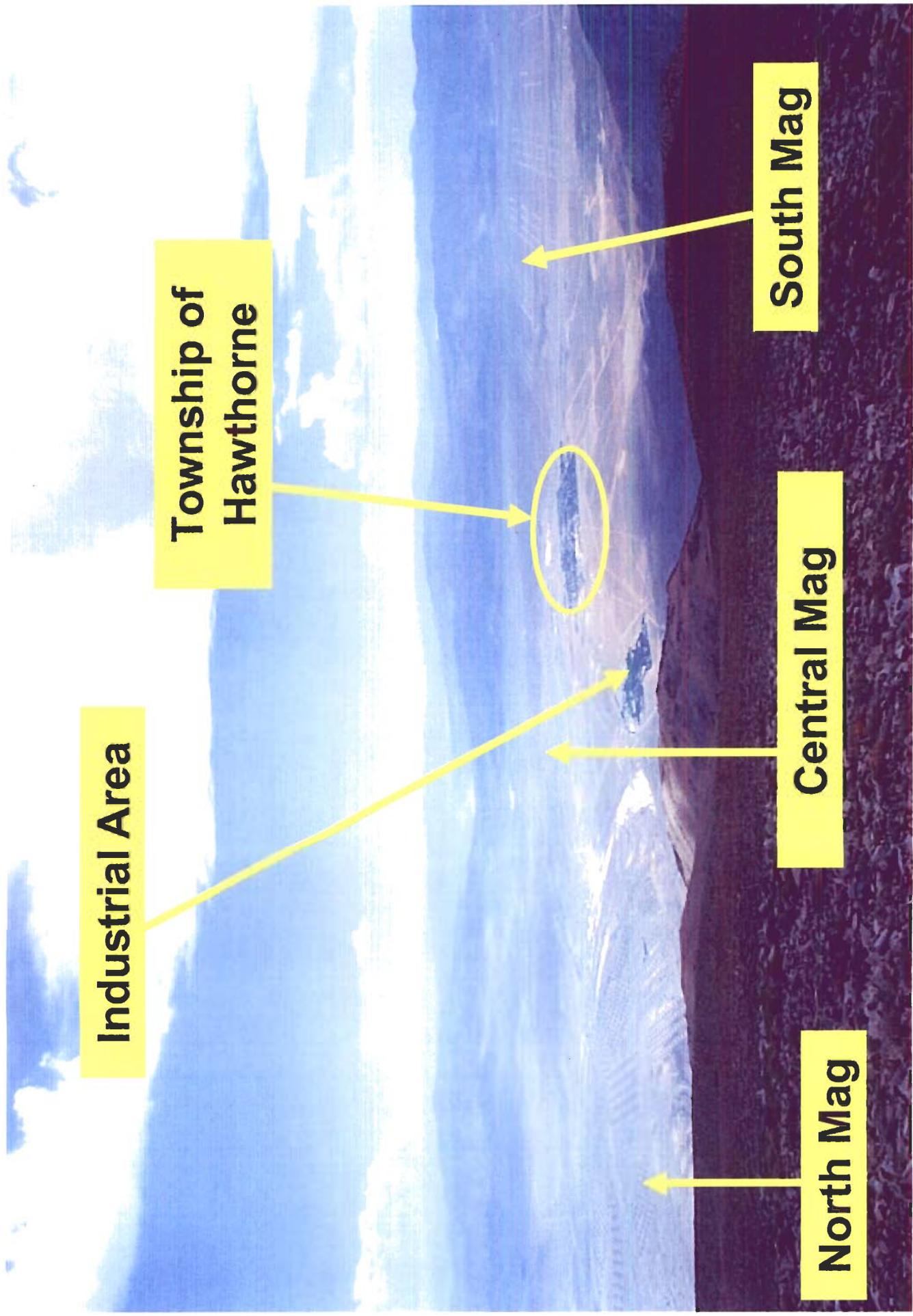


Personnel Profile

As of 31 May 2005



Total – 553 Employees



View from Mt Grant Elevation 11,239 ft

267 Miles of
Railway

80 Family,
16
Bachelor
Housing
Apts,
1
Barracks
Bidg

2,915
Structures

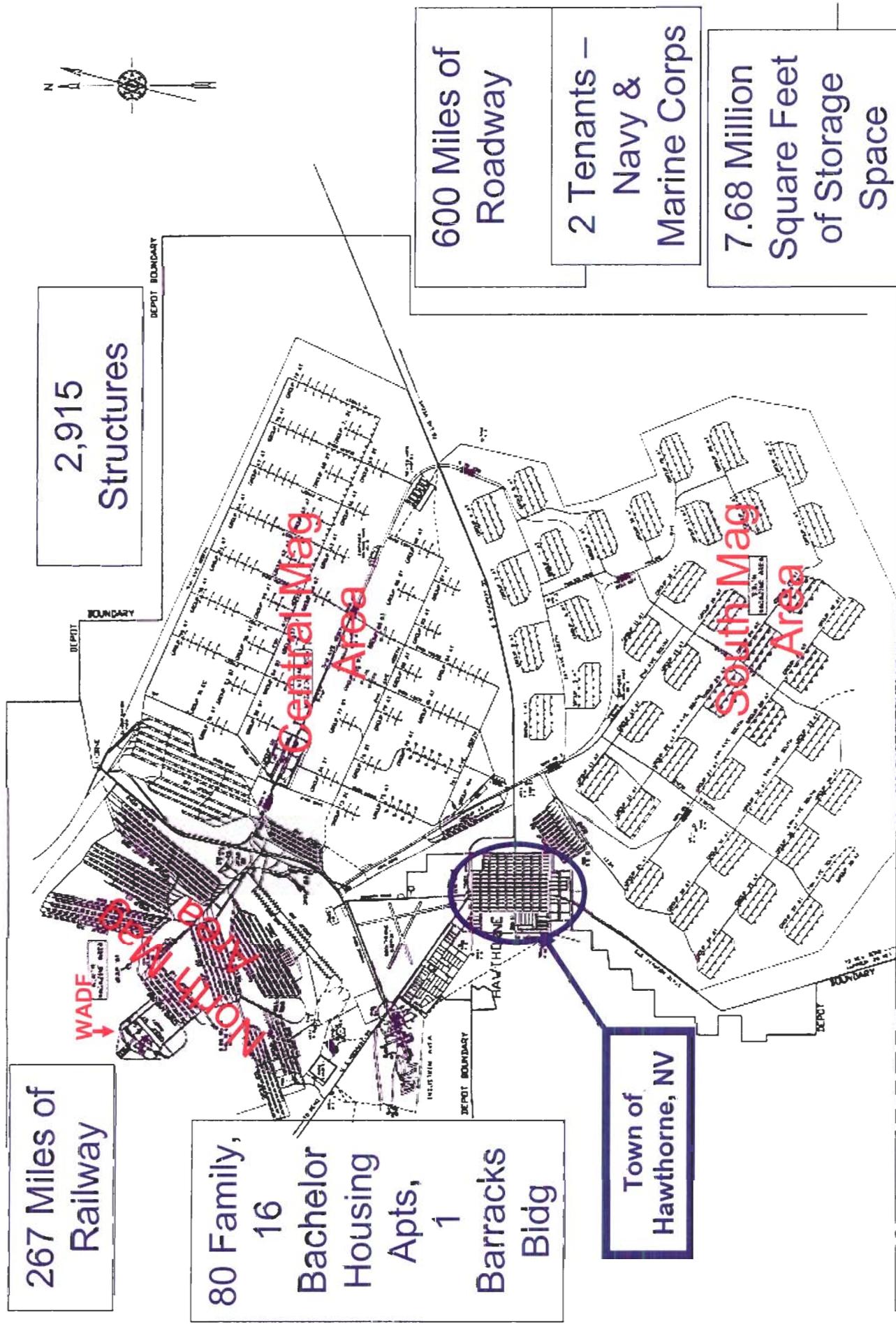
600 Miles of
Roadway

2 Tenants –
Navy &
Marine Corps

7.68 Million
Square Feet
of Storage
Space

Town of
Hawthorne, NV

Hawthorne Army Depot - 147,236 Acres



Hawthorne Army Depot

Tenant Activities



Naval Undersea Warfare Center Detachment Keyport, WA Mission

- **Provide Total Lifecycle Support and Services for Naval Undersea Warfare Systems**
- **Depot Level Maintenance for In-service Mine Systems**
- **Receipt, Segregation, Storage and Issue of USW Hardware**
- **USW Systems Battery Management**



Naval Surface Warfare Center, Crane Division, Fallbrook Detachment, Marine Corps Program Office (MCPO) Mission

- **Weapon System/Component Test and Evaluation Up to 155MM**
- **Reliability, Maintainability and Quality Analysis**
- **Failure/Deficiency Analysis and Engineering Investigations**
- **Performs Range Maintenance**

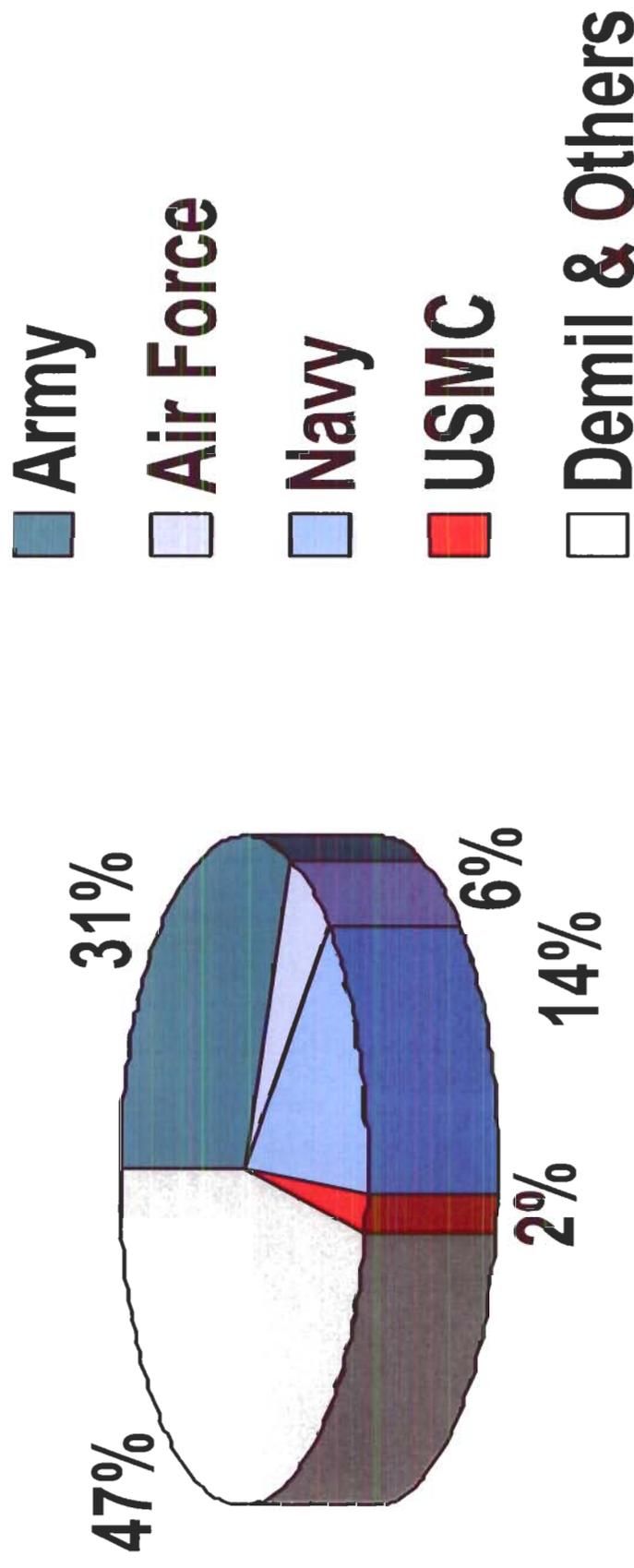


Hawthorne Army Depot

Ammunition Operations



Ammunition Inventory



Total Tons as of 31 May = 305,348 Explosives

36,126 Inert Items 13 of 58



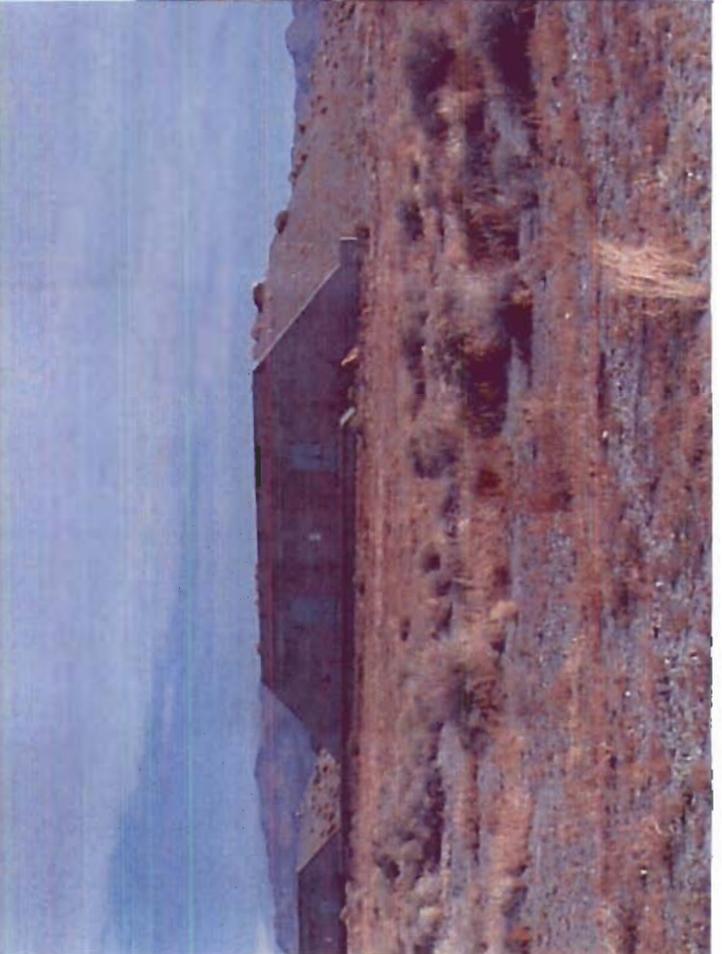
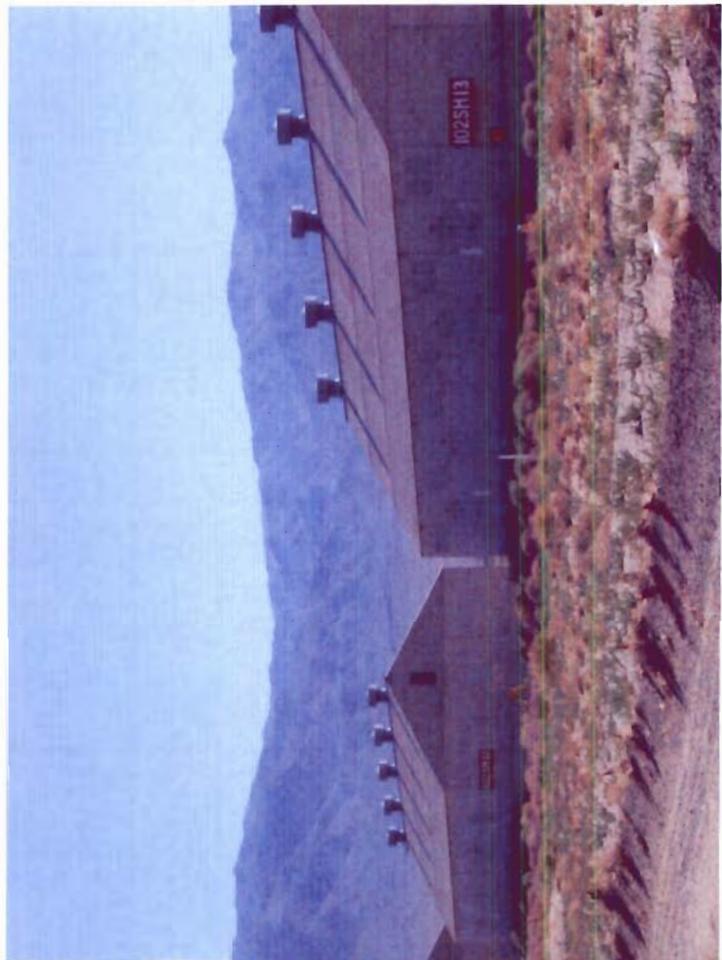
Ammunition Storage



More Than 2,400 Storage Structures

- **Barricaded, Earth Covered Igloos**
- **Earth Covered Igloos**
- **Explosive Warehouses**
- **Barricaded, Open Sites**
- **Environmentally Controlled Earth Covered Igloos**
- **Inert Warehouses**
- **Y Sites**

**Filled to 56%
Capacity as of
31 May 05**





Supply Depot Operations

FY05 – As of 26 Jun

Shipping
12,940 TONS

Receiving
13,614 TONS



Outload Facilities

- **Truck Inspection Lot - 150 Capacity**
- **Transfer Docks - 6**
- **Rail Interchange Yard**
- **Container Pads - 3**

Container Pad 1



DZHC QA Inspectors, inspecting prior to loading 155 ICM Rounds into MILVAN



155 ICM Rounds staged to be loaded into MILVANs

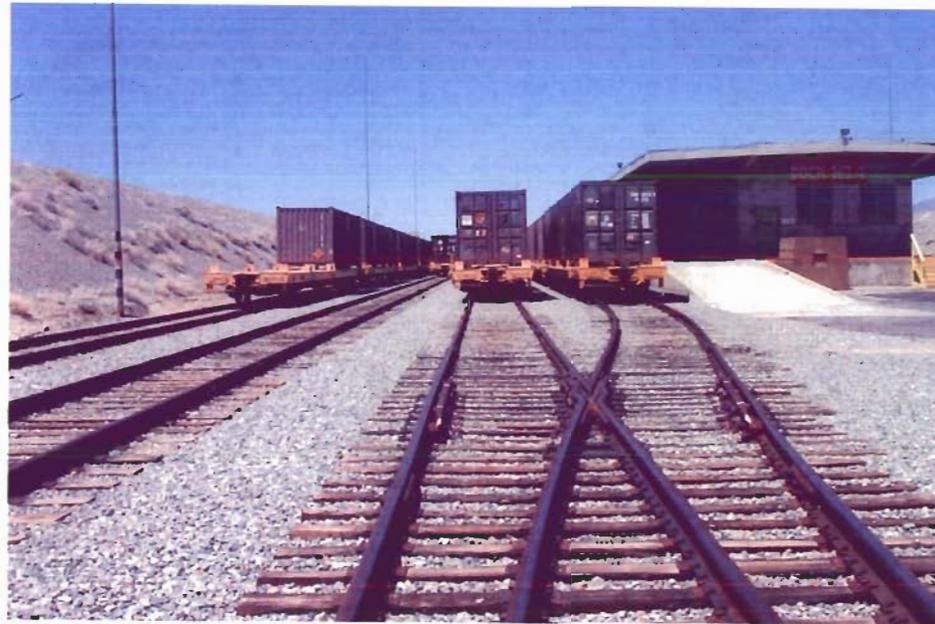


Super Stacker unloading MILVANs





Shipping operation at 1 of 6 outloading Docks





HWAD Assessments

➤ Apr 05 – JMC Ammunition Logistics Review

- Purpose: Create a living document that outlines the current capacities/capabilities for Storage, Outloading, Demil and Maintenance at HWAD.
- Storage – HWAD has more than 2,400 storage structures. Covered storage space is 5,650,000 sq ft with 56% occupancy. Because of the desert environment maintenance of facilities and equipment is easy.
- Outloading – Most everything at HWAD is mobile. Rail capability exists right to storage sites and trucks can be loaded right at the igloos. In total, 6 outloading/transfer docks, 3 container pads and a rail interchange yard. Highway networks exist with 95 and 359, direct access to main railroad line and relatively close to three airfields. Investigation into concerns over weather related damages to rail revealed only one incident in 20 years and only for a short time.



HWAD Assessments

➤ Apr 05 – JMC Ammunition Logistics Review

- Demil – HWAD has a very extensive resource, recovery and recycling center for conventional ammunition. The Western Area Demilitarization Facility (WADF) is perhaps the most versatile conventional ammunition demilitarization facility ever constructed. With multiple technologies within the complex and additional ones being added, HWAD also has two ranges for open burn/open detonation for unrecyclable munitions.
- Maintenance – HWAD also has many buildings/facilities capable of ammunition maintenance operations for a variety of conventional ammunition items.



HWAD Assessments

➤ Apr 05 – JMC Supply Depot Operations Assessment

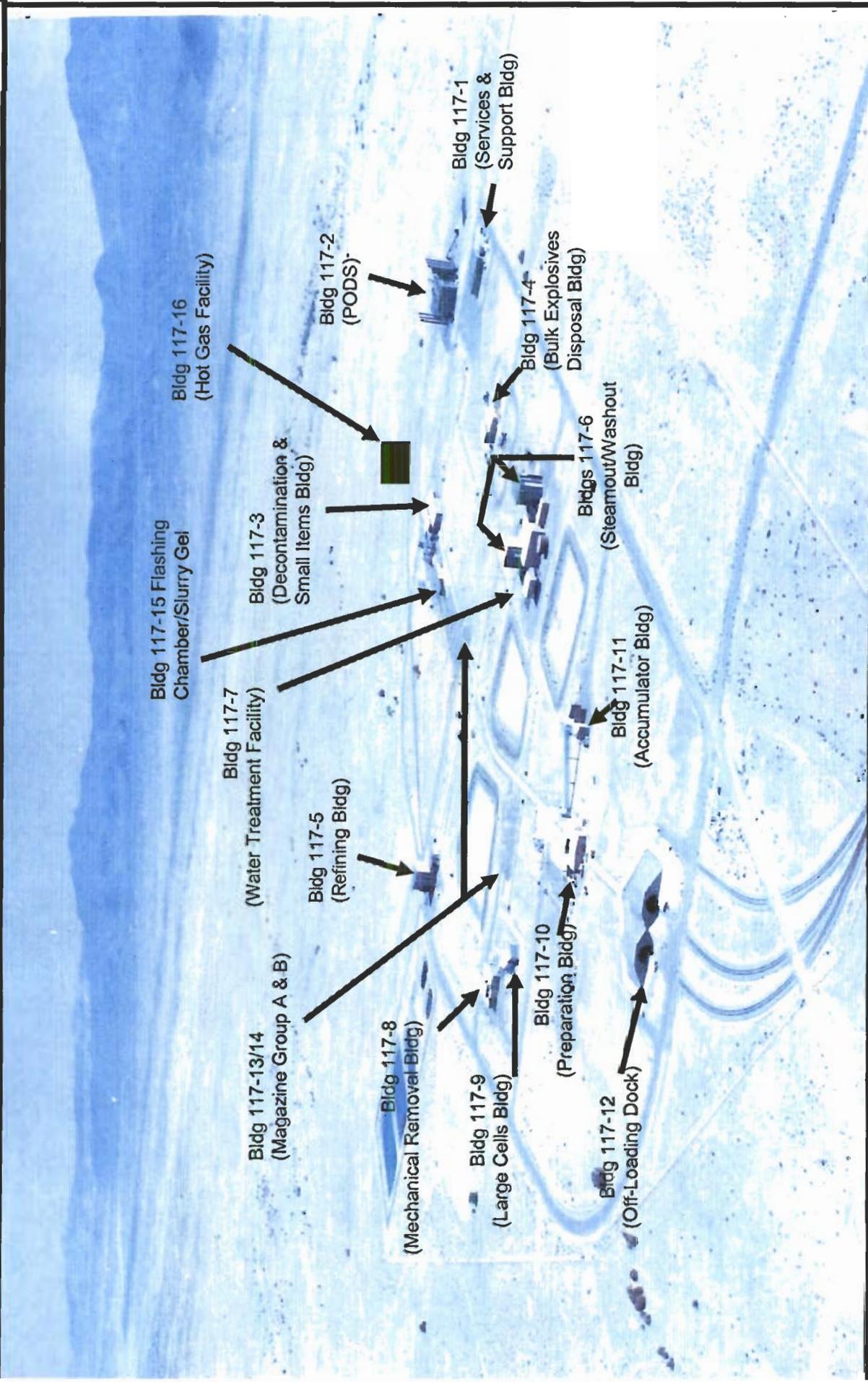
- Purpose: Determine compliance with established ammunition storage, accountability, surveillance and transportation standards.
- GREEN status
 - Inventory (11) Green (1) Amber
 - Recordkeeping & Document Control (11) Green (1) Amber
 - Physical Security (6) Green (0) Amber
 - Quality Assurance & Surveillance (2) Green (3) Amber
 - Transportation (10) Green (0) Amber
 - Explosive Safety (8) Green (0) Amber
- “All consideration should be given to Hawthorne to locate more training or war-fighter munitions”
- “Use HWAD available space to provide relief to the near capacity Crane Army Ammunition Activity and McAlester Army Ammunition Plant”



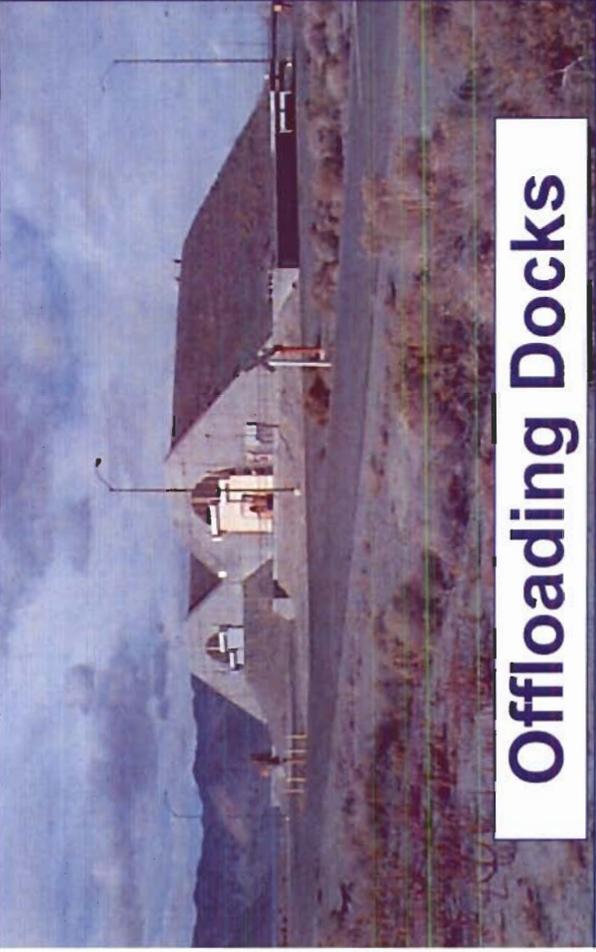
Hawthorne Army Depot

Demilitarization

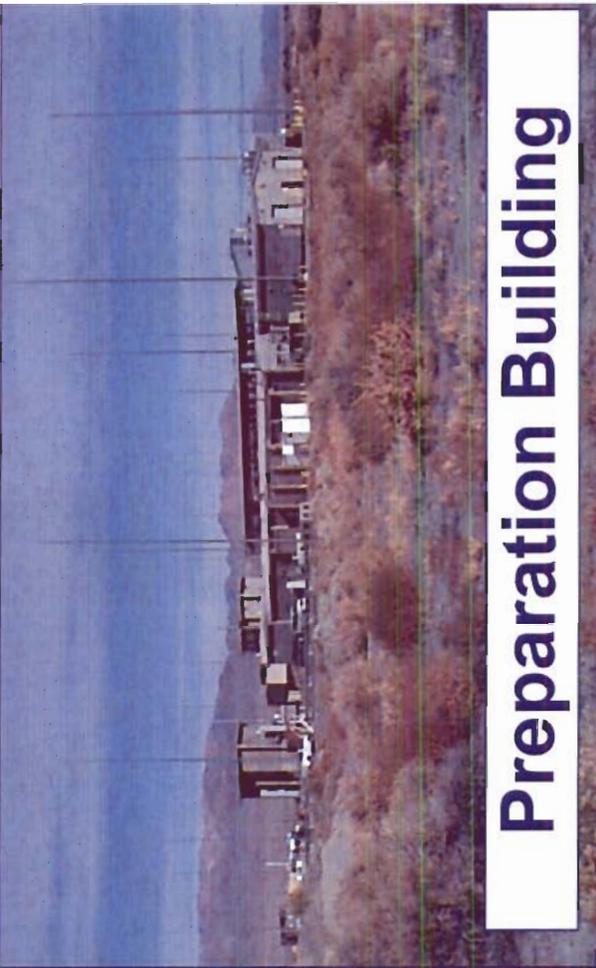
Aerial View of Western Area Demilitarization Facility (WADF)



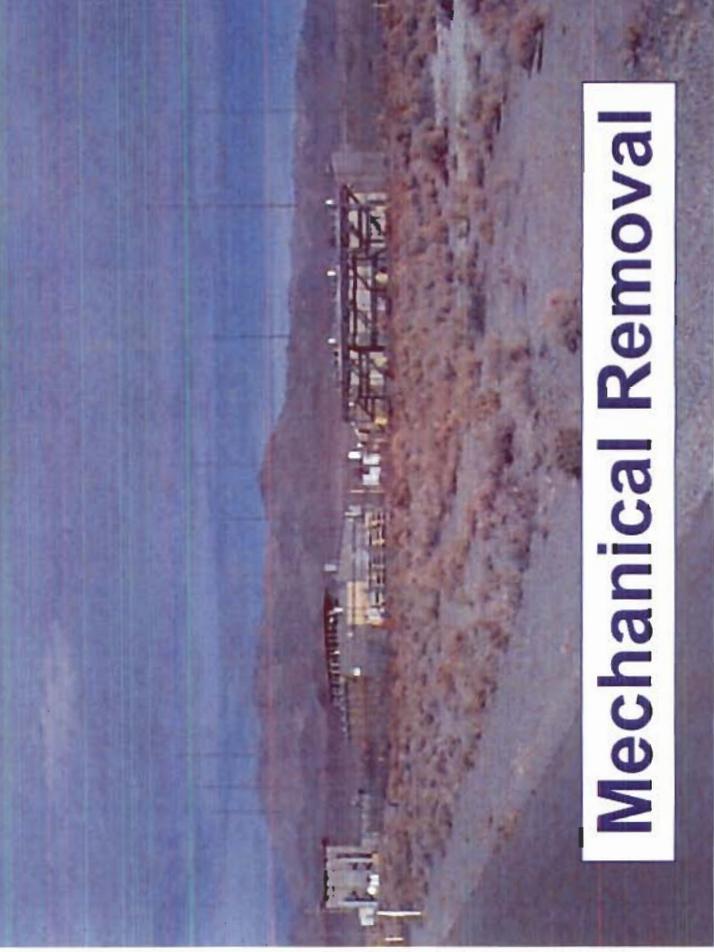
WADF



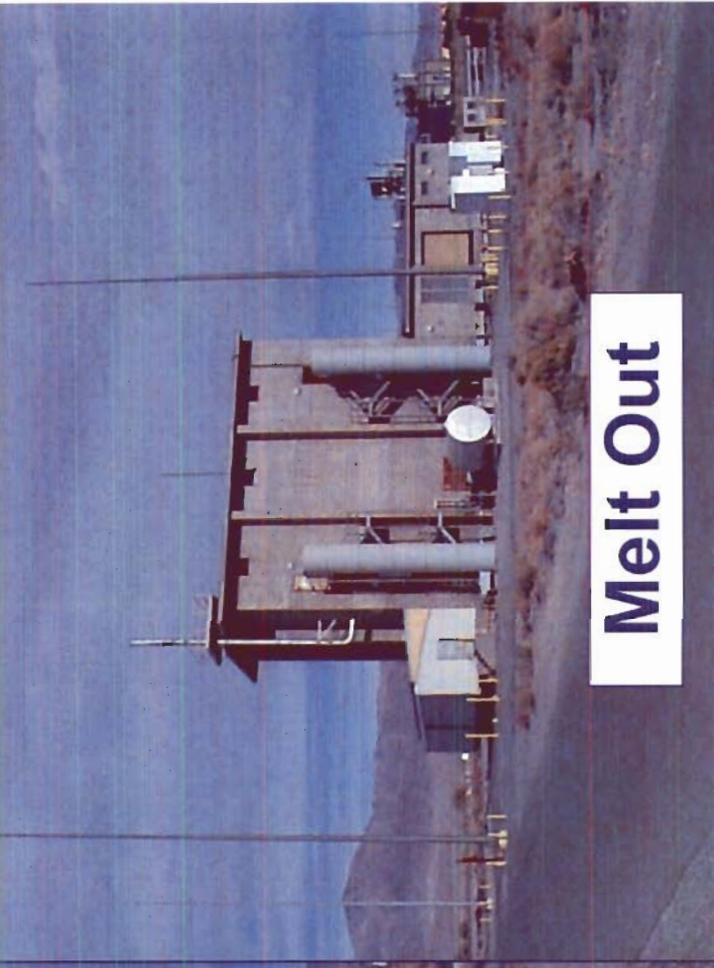
Offloading Docks



Preparation Building



Mechanical Removal



Melt Out



Demilitarization

 **Western Area Demilitarization
Facility (WADF)**

 **Open Burning/Open Detonation
(OB/OD)**

 **Scrap Sales**



Demilitarization (cont)

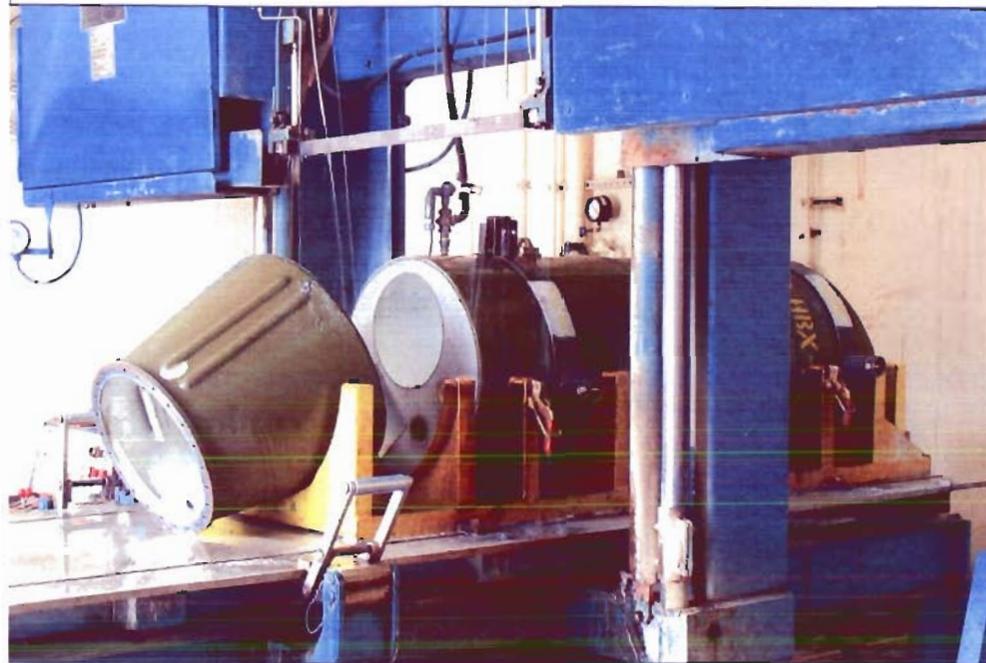
-  **OB Unstable Propellant**
 - UNK ST
 - Thru Apr 05, 147 ST
-  **8" ICM Projectiles**
 - 1,500 ST
 - Jan – Apr 2005
-  **155MM ICM Projectiles**
 - 1,500 ST
 - Apr – Aug 2005
-  **MK 25 Underwater Mines**
 - 1,999 ST
 - Jan – Apr 2005
-  **MK 25 Underwater Mines**
 - 783 ST
 - Aug – Oct 2005
-  **81 MM CTG**
 - 765 ST
 - Nov 2005 – Jan 2006



Western Area Demil Facility (WADF)

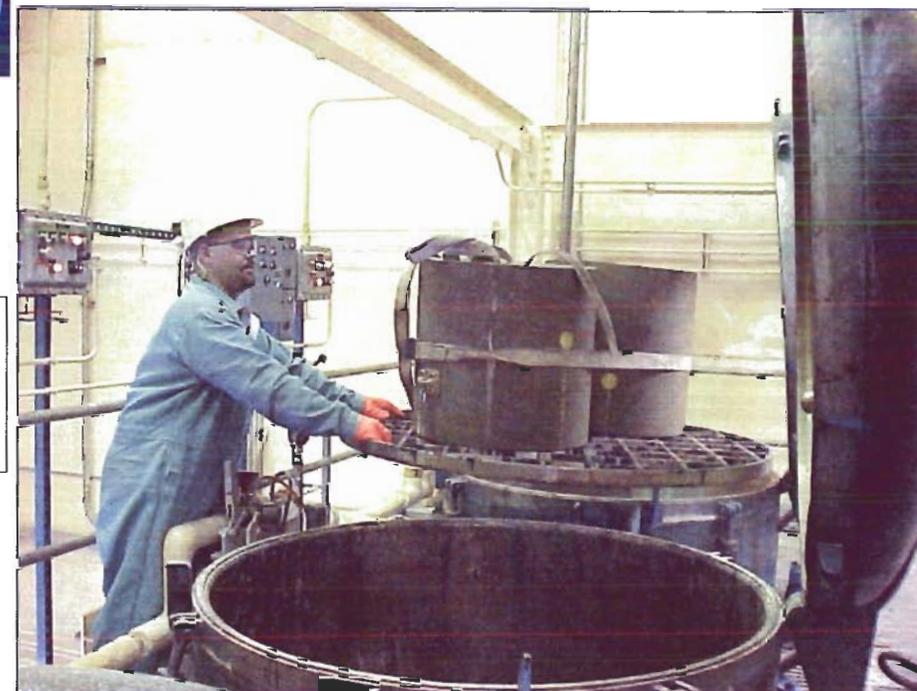
- **Completed Demilitarization Facility with a current value of \$340M**
- **All Operations Focus on R3**
(Resource Recovery & Recycling)
- **15 Industrial Building on 160 Acres**
- **Environmentally Compliant and Operates Under Appropriate State and Federal Permits**

MK25 Underwater Mine Demil

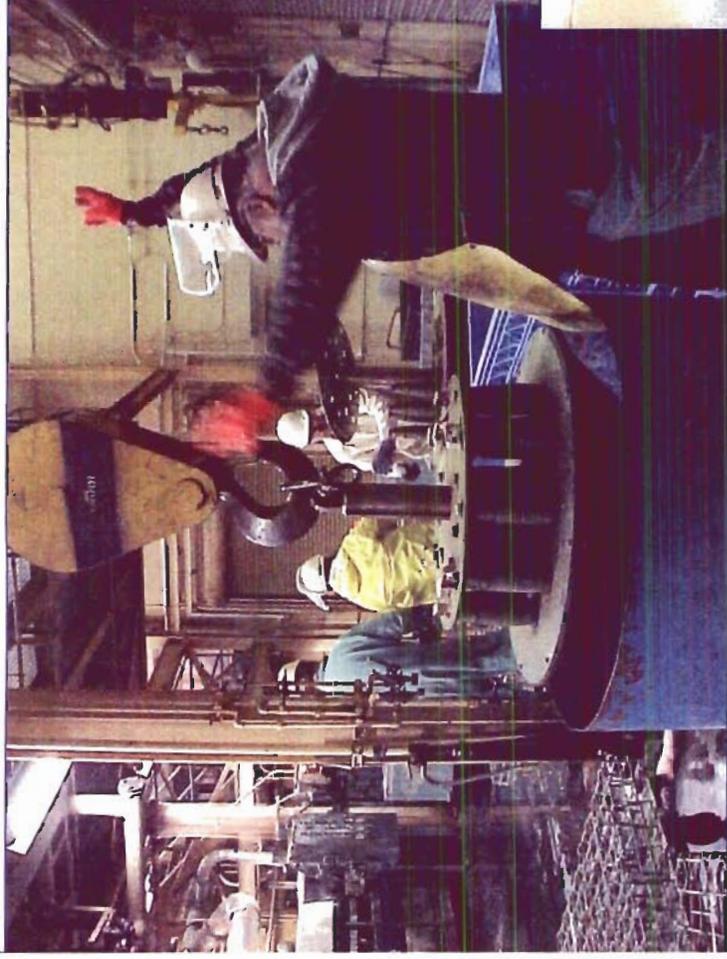


Sawing into sections

**Placing Sections into
Autoclave for Steamout**



81MM

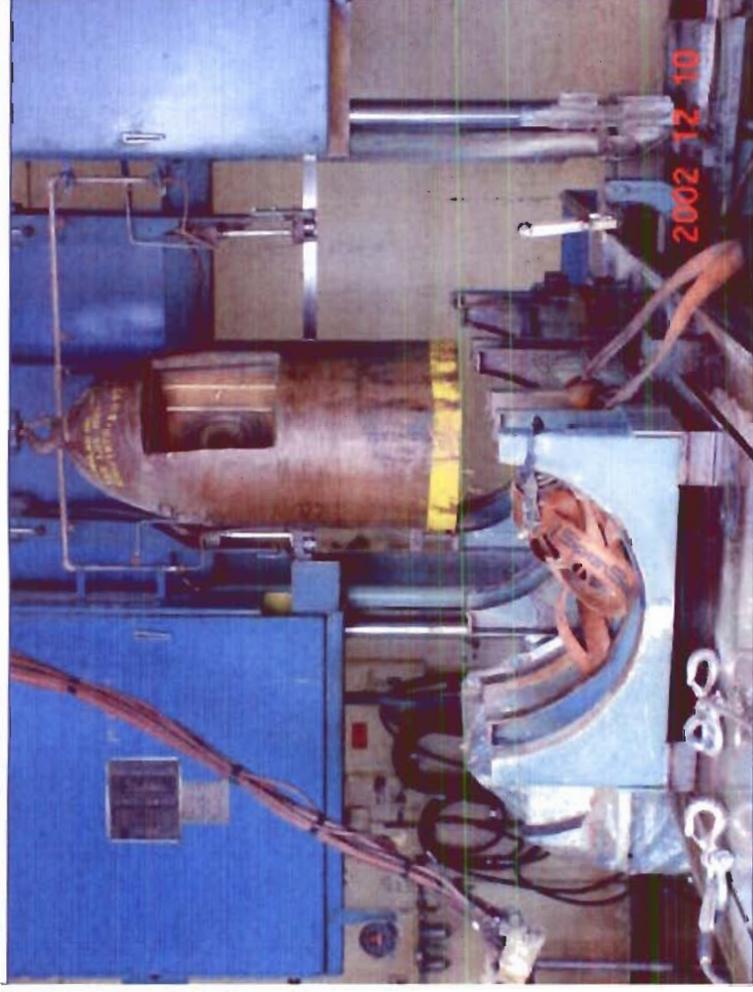


Loading 81mm into fixtures



**Loading fixtures into
Autoclaves**

MK14 Torpedo



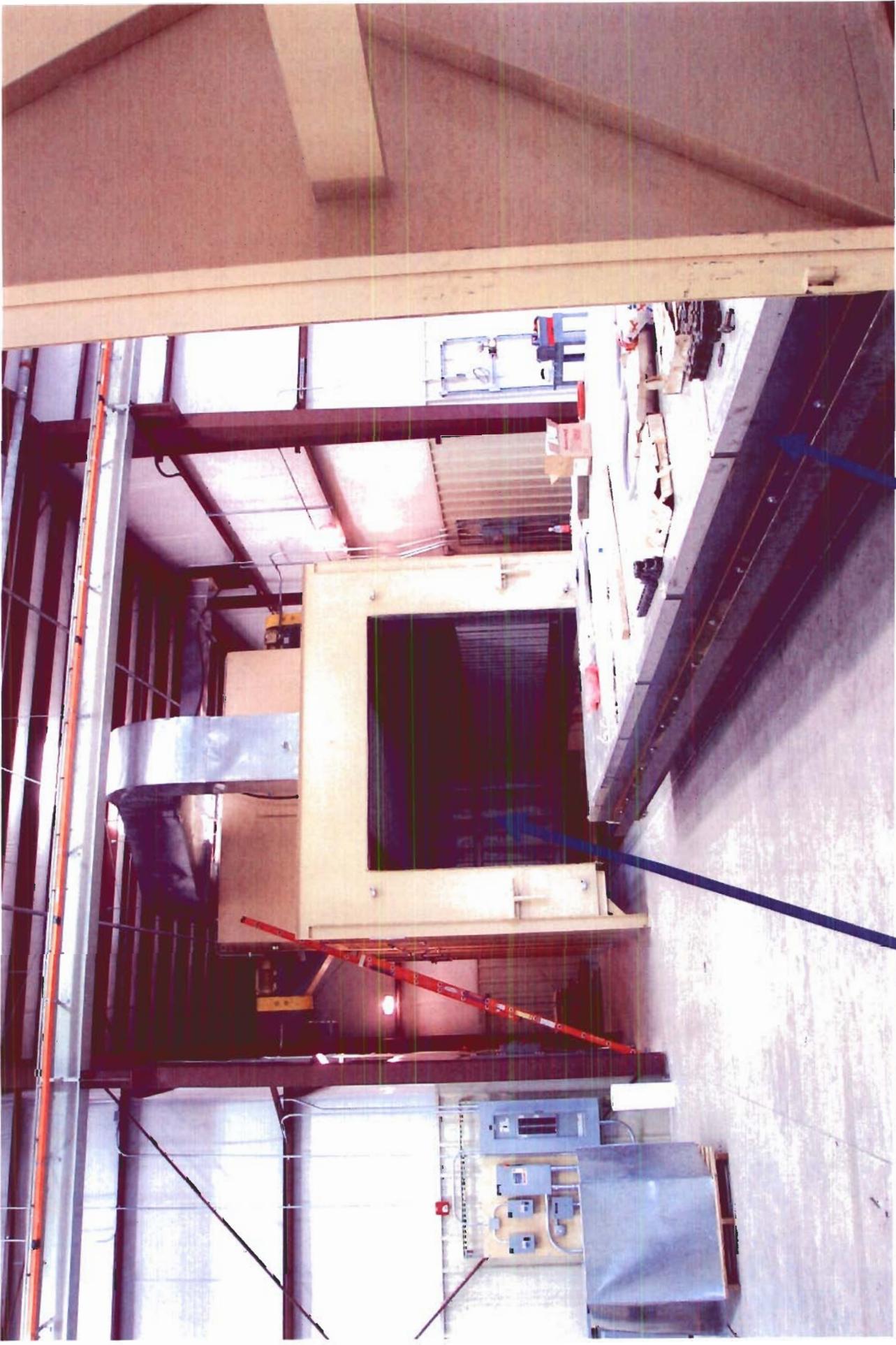
Prep torpedo for sawing



**Sawed torpedo for
washout of explosives**

Hawthorne Army Depot

Hot Gas Facility



Hot Gas Chamber and Car Bottom

Hawthorne Army Depot

PODs



Chamber & Torch

8 Inch ICM at 108-20 Complex

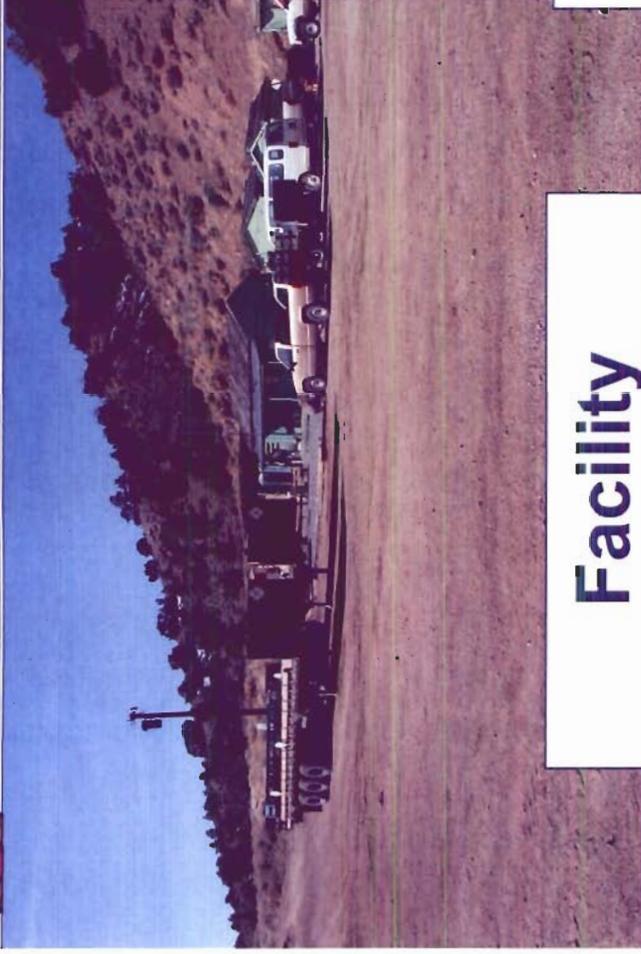


**The 8" ICM Projectile
disassembly line.**

**Munitions Handler
removing grenades
from the 8" ICM
projectile.**



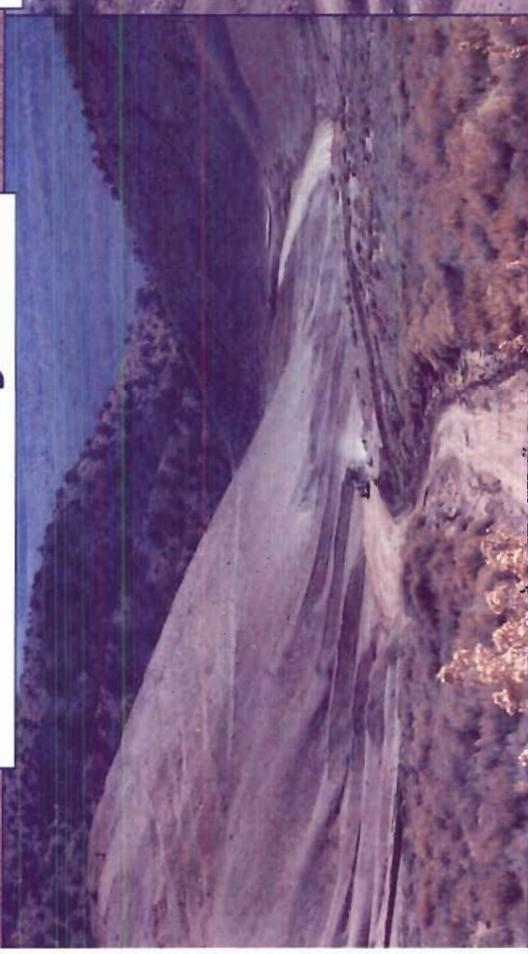
New Bomb Disposal Range



Facility



Southern Detonation Area



Northern Detonation Area

New Bomb – Open Detonation



**Crews placing M60/M61
Rockets into Pits for
Detonation**



Old Bomb Disposal Range



Crews pouring
unstable propellant in
Burn Pans



Fireball

Hawthorne Army Depot

Renovation



Renovation

 **Restore Ammunition Deteriorated from Rough Handling or Exposure**

 **Involves:**

- ✓ **Cleaning**
- ✓ **Rust Removal**
- ✓ **Painting**
- ✓ **Repair of Containers**
- ✓ **Component Replacement**

 **Provides a Substantial Cost Savings**



Renovation (cont)



105 MM C445

- 77,693 Ea.
- Completed Mar 2004



105 MM C445

- 136,500.
- Aug 2004 – Oct 2005

Renovation of 155MM Projectile – D544



Cleaning (sanding) the rounds.

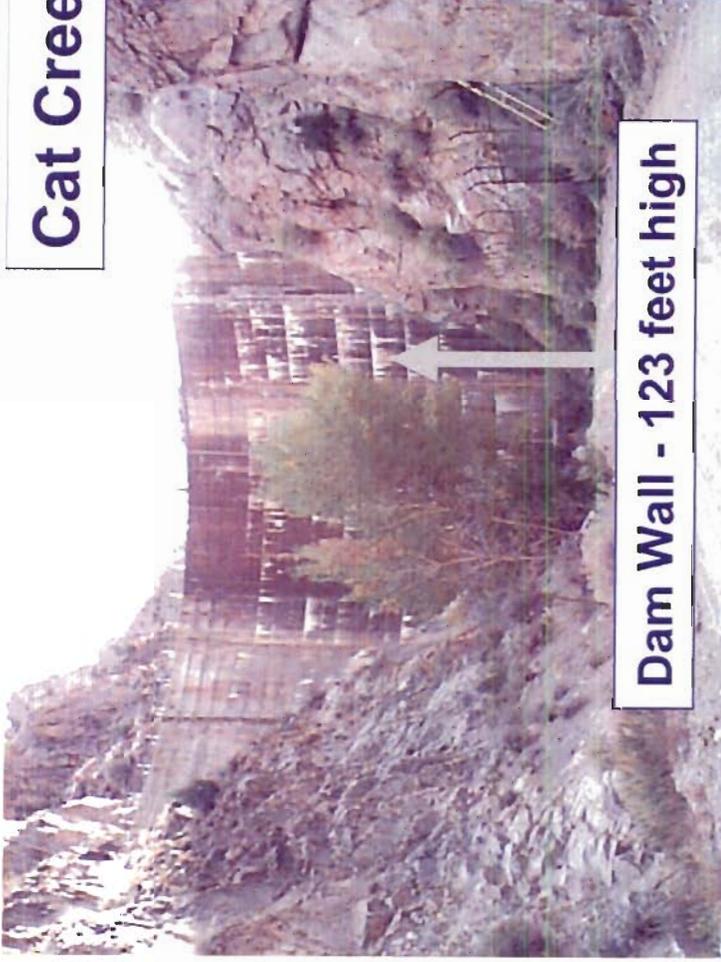
Depalletizing the rounds and loosening the lifting plug.





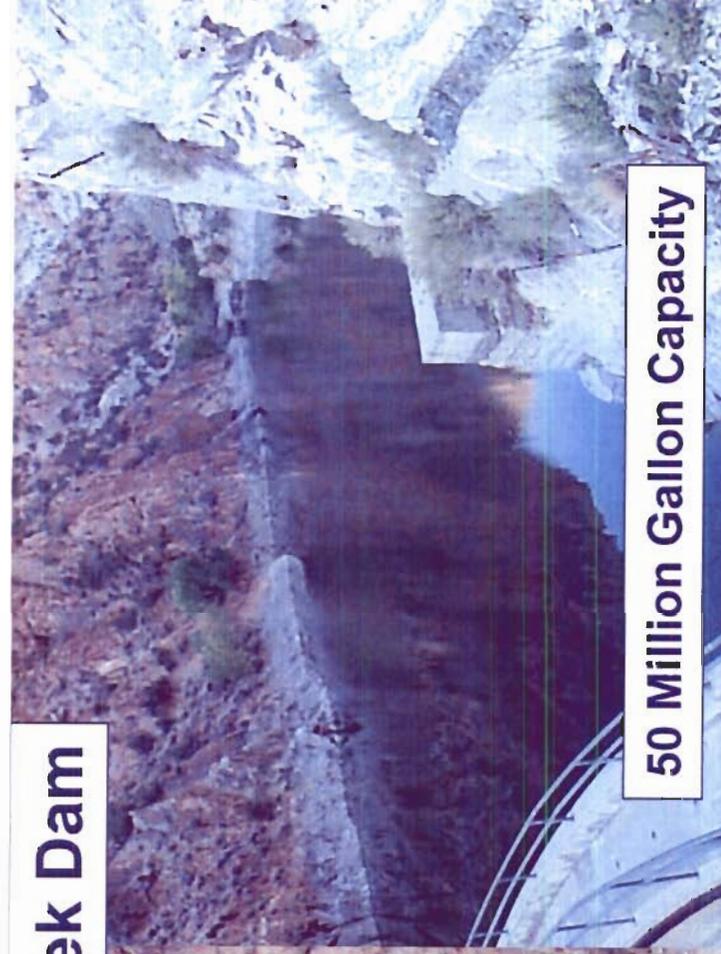
Water Production

- **Mt Grant Reservoirs and Wells on HWAD**
- **CY 2004 Generated 163 Million Gallons of Surface Water (this is dependent on Snow Pack and Runoff)**
- **System Consists of:**
 - ➔ **4 Reservoirs**
 - ➔ **8 Elevated Tanks**
 - ➔ **131 Million Gallon Storage Capacity**
 - ➔ **6 Deep Wells - 2 Million Gallon Per Day Capacity**
 - ➔ **259 Miles of Pipeline**

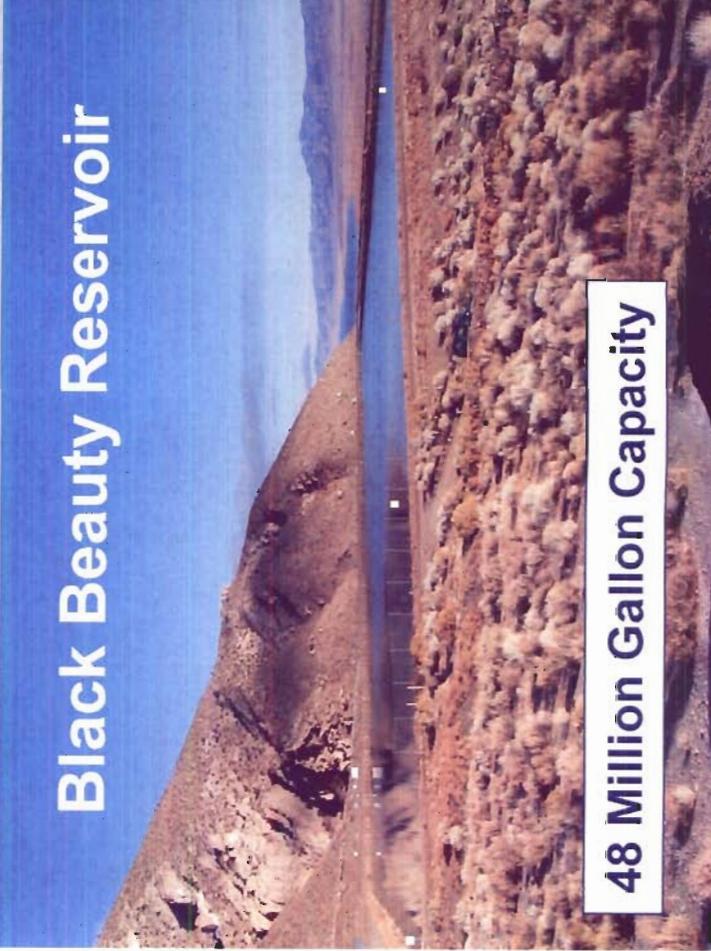


Cat Creek Dam

Dam Wall - 123 feet high

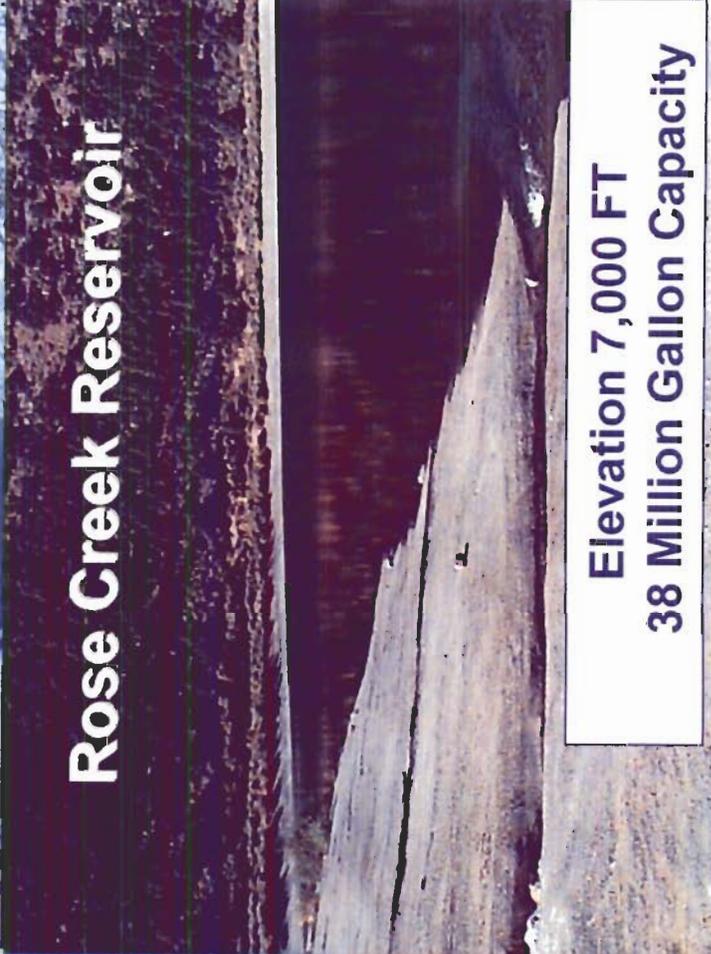


50 Million Gallon Capacity



Black Beauty Reservoir

48 Million Gallon Capacity



Rose Creek Reservoir

**Elevation 7,000 FT
38 Million Gallon Capacity**

Hawthorne Army Depot

Military Training



Training Mission

- **Training Mission Approved Oct 04**
- **High Altitude Desert Terrain Environment**
- **Joint Training Environment**
 - **Navy Special Warfare**
 - **Marine Force RECON**
 - **Marine Conventional**
 - **Army National Guard**
 - **Army Reserve**

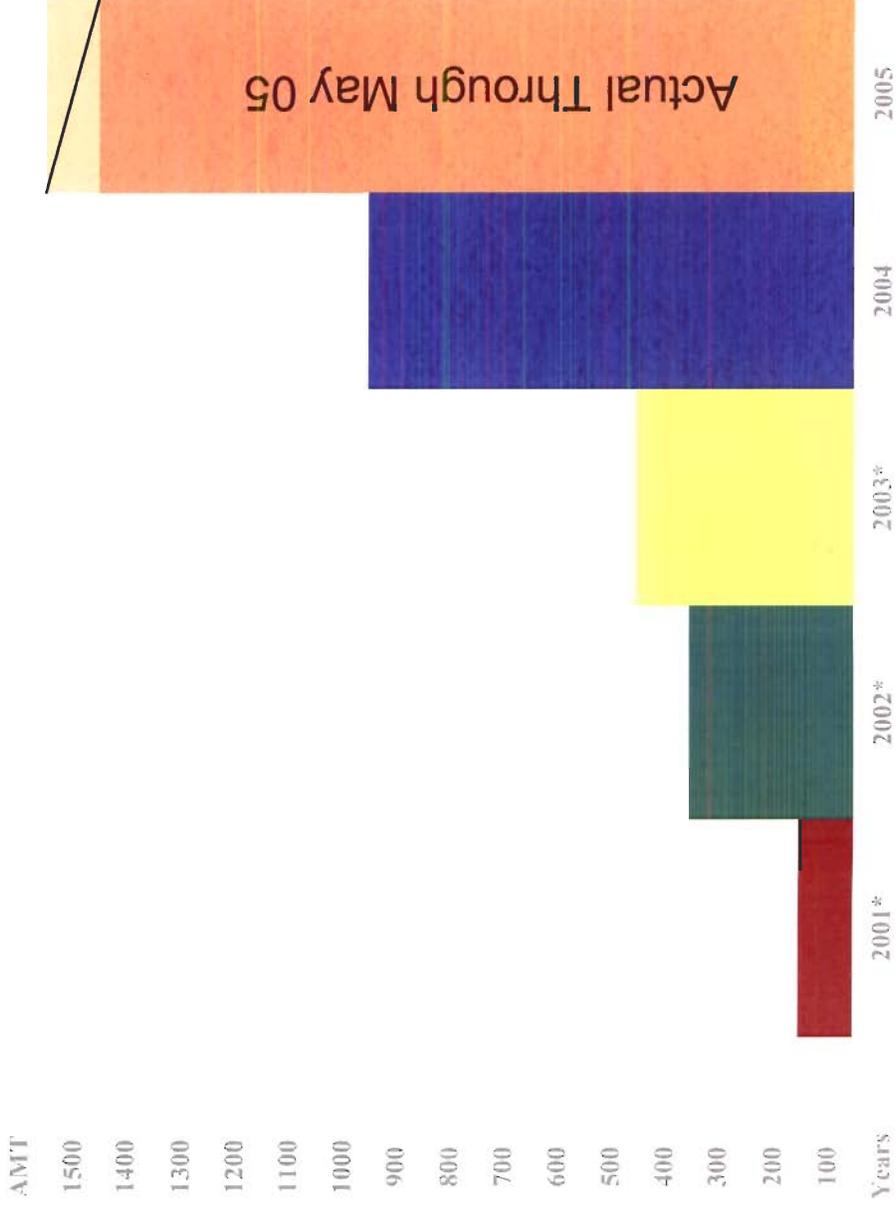


Training Opportunities

- **High Altitude Patrolling**
- **High Angle Sniper Range**
- **Desert Live Fire Convoy Training**
- **Desert Convoy Operations**



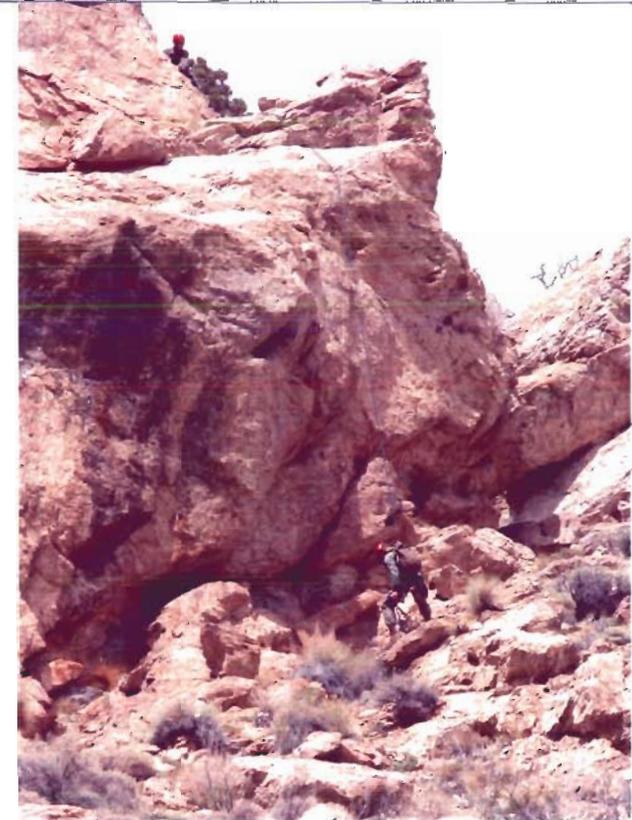
Training Usage



* Denotes estimated totals due to no records being kept



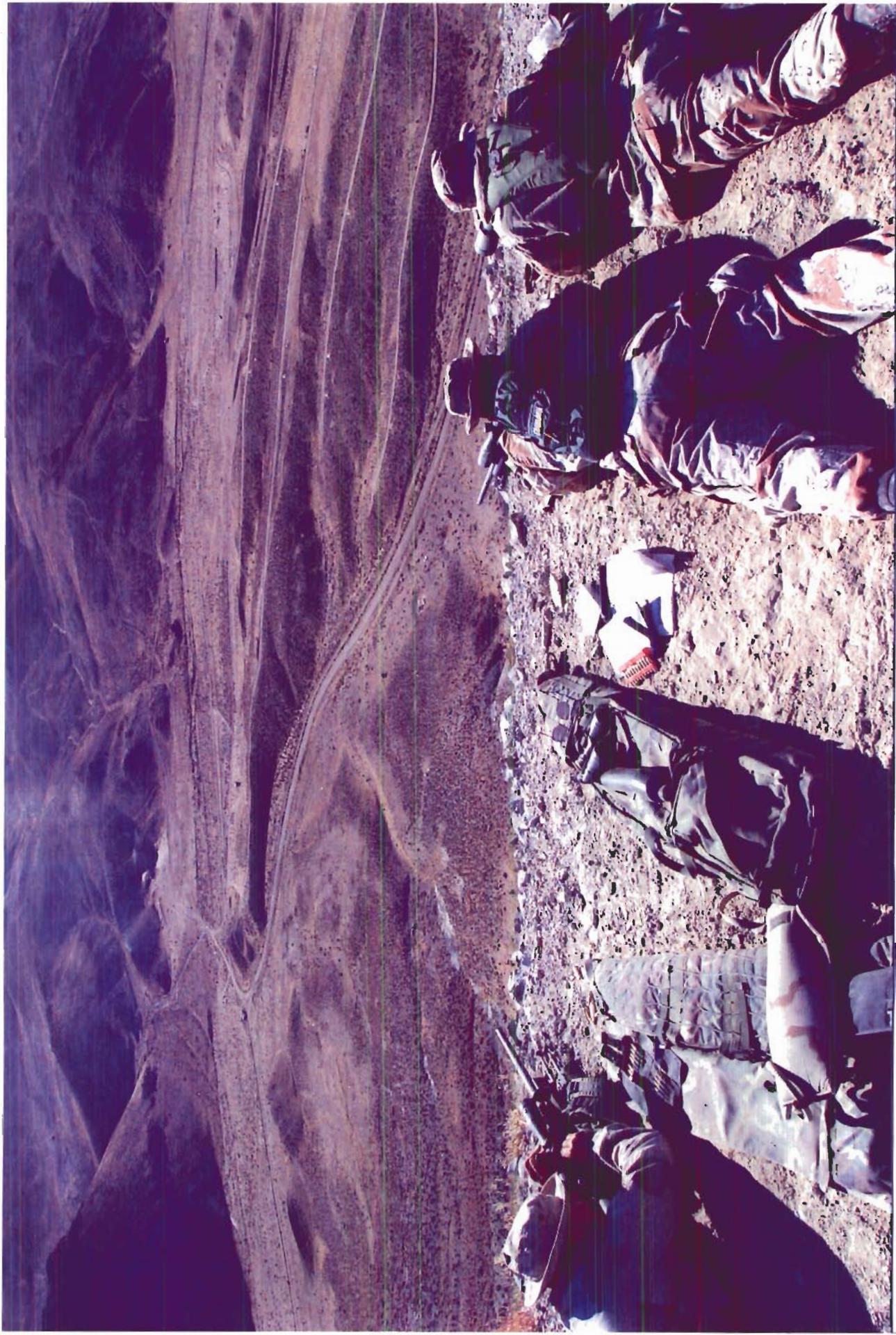
Marine Corps Training Mar 2005





Marine Corps Snow-Shoeing in Mt Grant Area

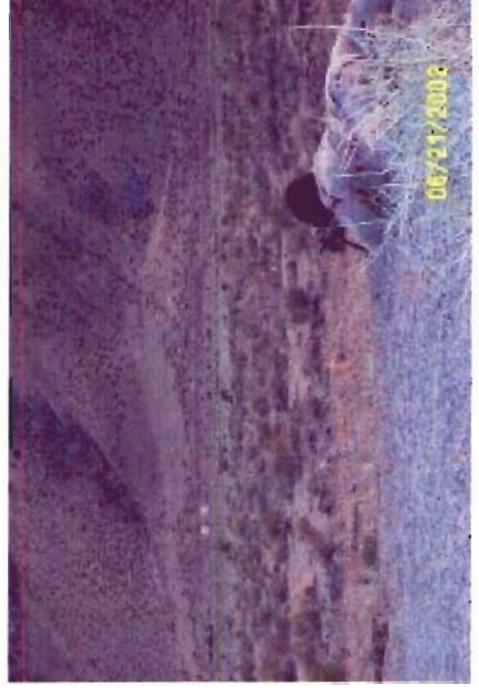
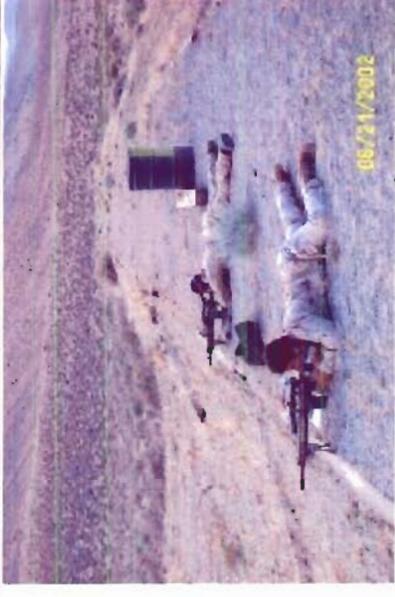
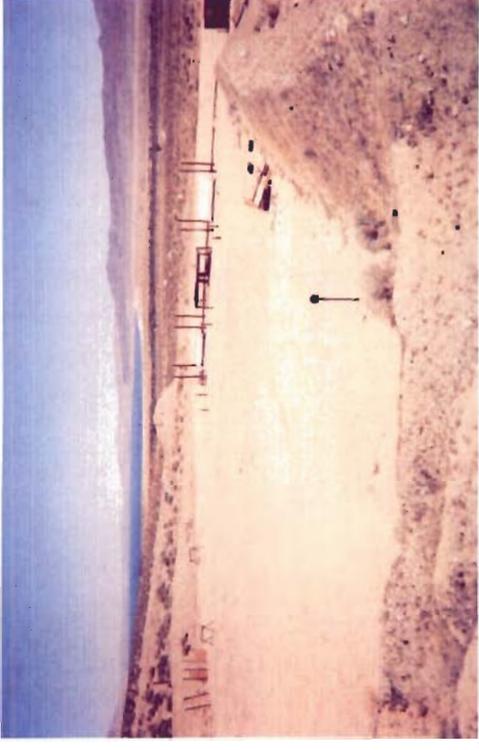




Marine Corps High Angle Sniper Training

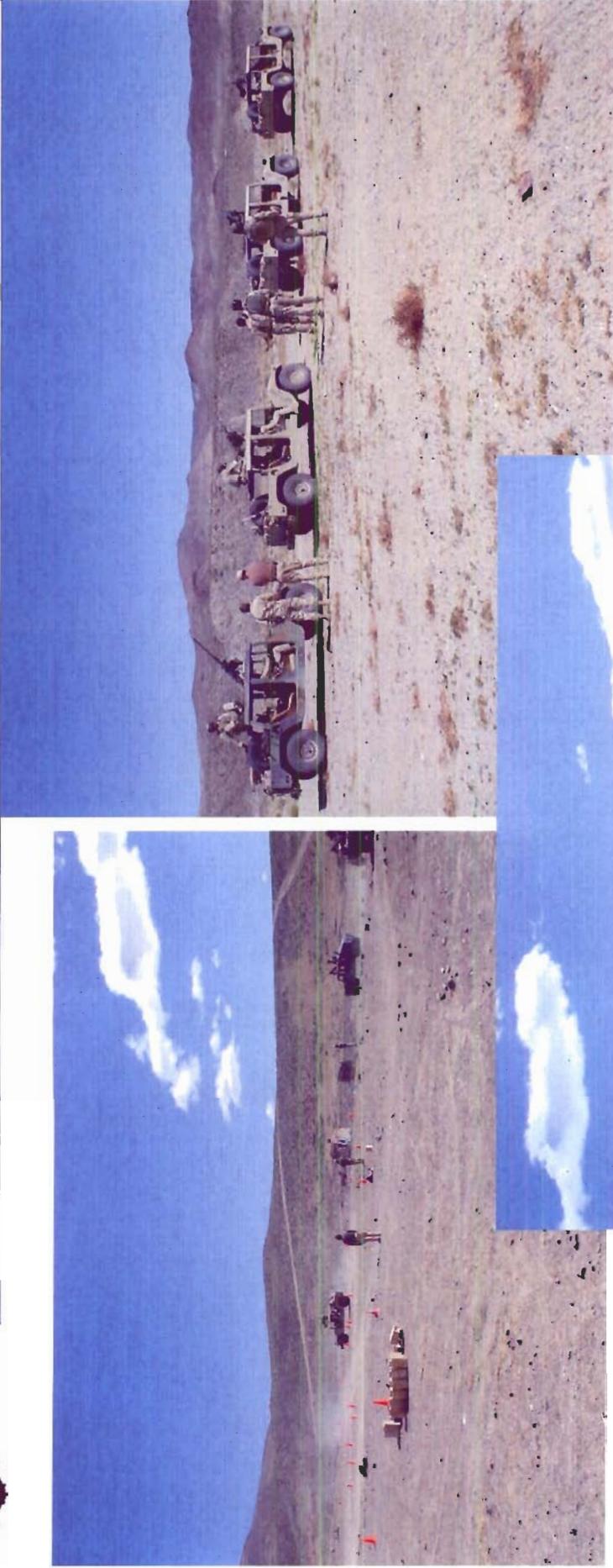


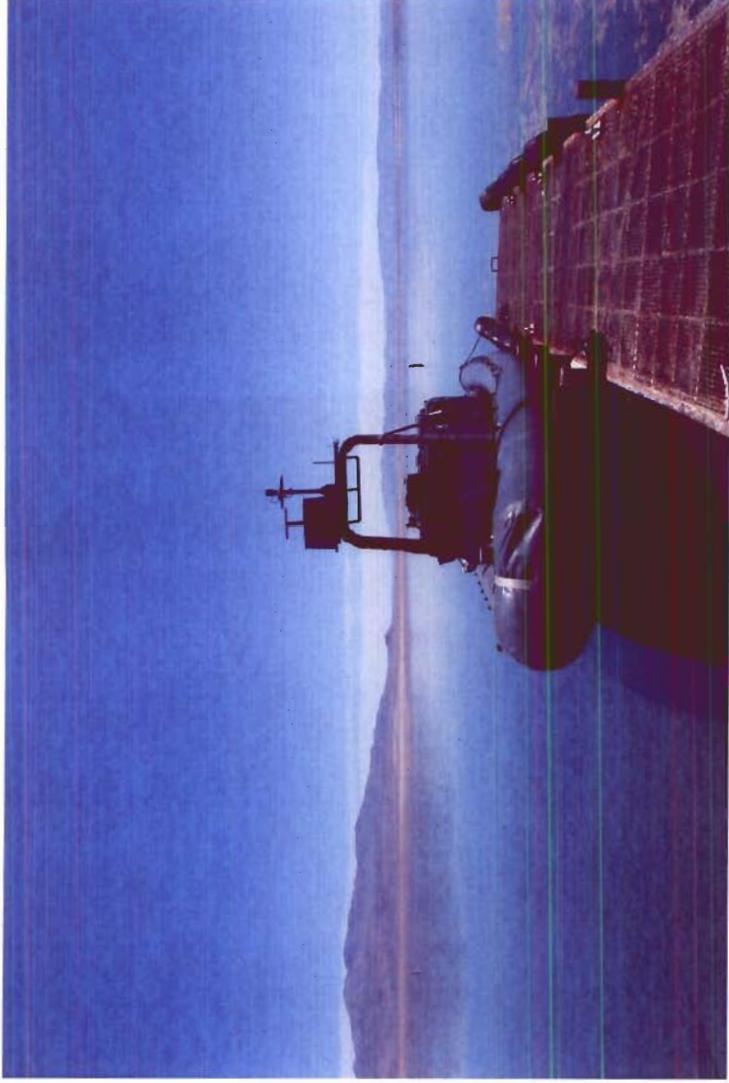
Rifle Range





Navy Seal Teams – HMMWV Training at HWAD

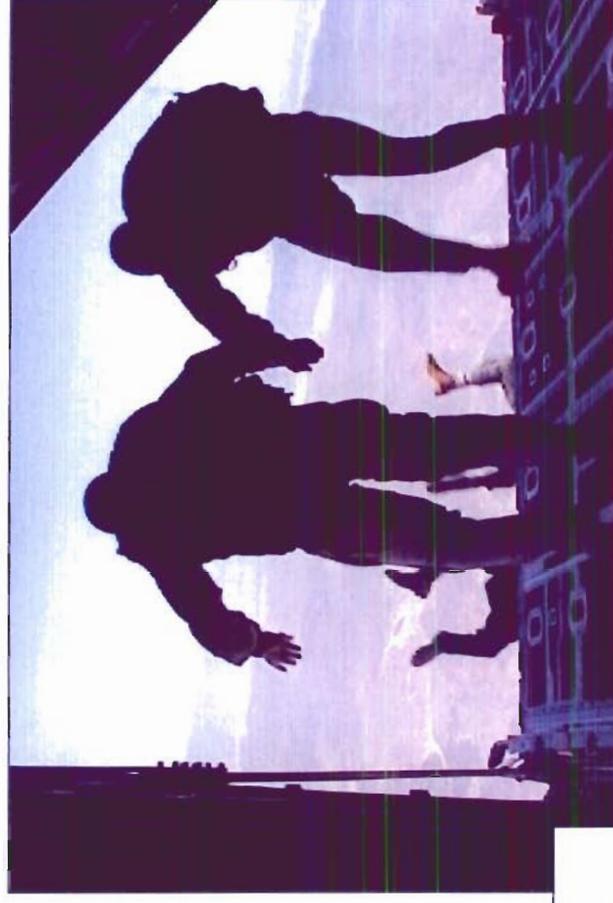
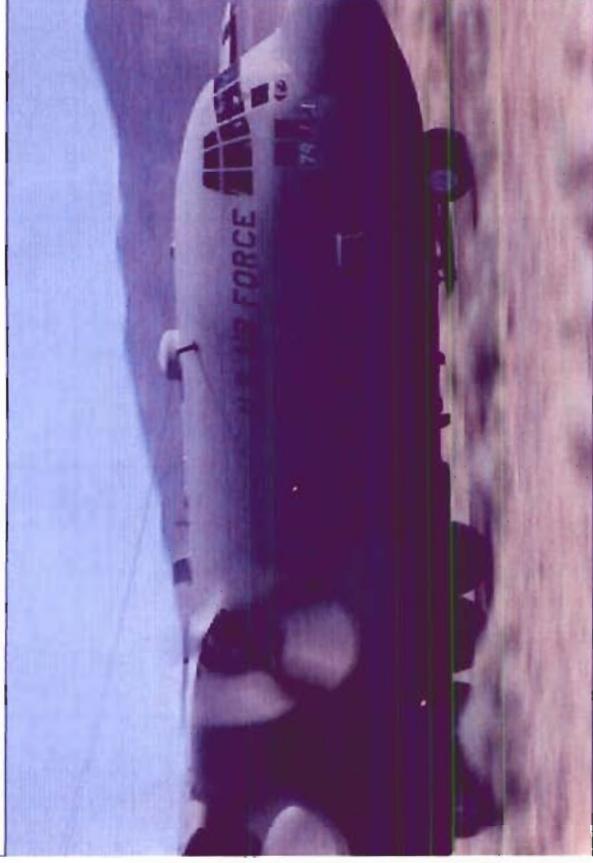




**Navy Special Boat
Unit Training at
Walker Lake**



Navy Seal Team 8 – Training at HWAD



Freefall Training



Range Training



Hawthorne Army Depot



Uniqueness

- **RDTE, production, maintenance, storage/outload, transportation, and demilitarization from a DoD Perspective**
- **Only GOCO Depot – Largely Commercial – minimally organic**
- **Modernized, efficient, and supportive/in line with future technologies and Army transformation (Hot Gas/PODS)**
- **No Encroachment – infrastructure reduction and consolidated plan**
- **Premier Military/Special Forces Training Site**
- **Realignment Solution**



Mission & Training To Support The Joint Warfighter

