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# M2S2

## Keynote Address

*29 August 2013*

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US Army Environmental Command

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*Our mission is to lead and execute environmental programs and provide expertise that enables Army training, operations, acquisition and sustainable military communities.*

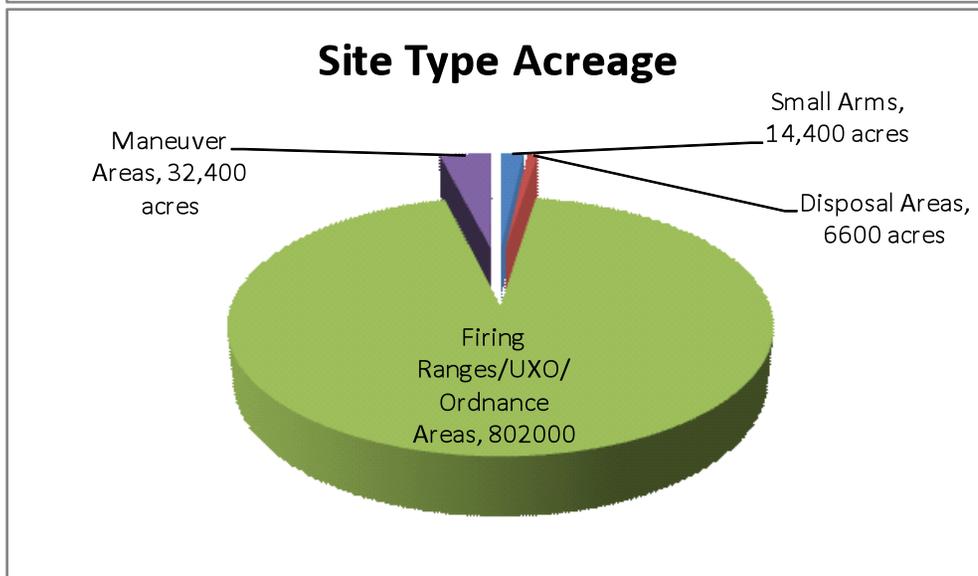
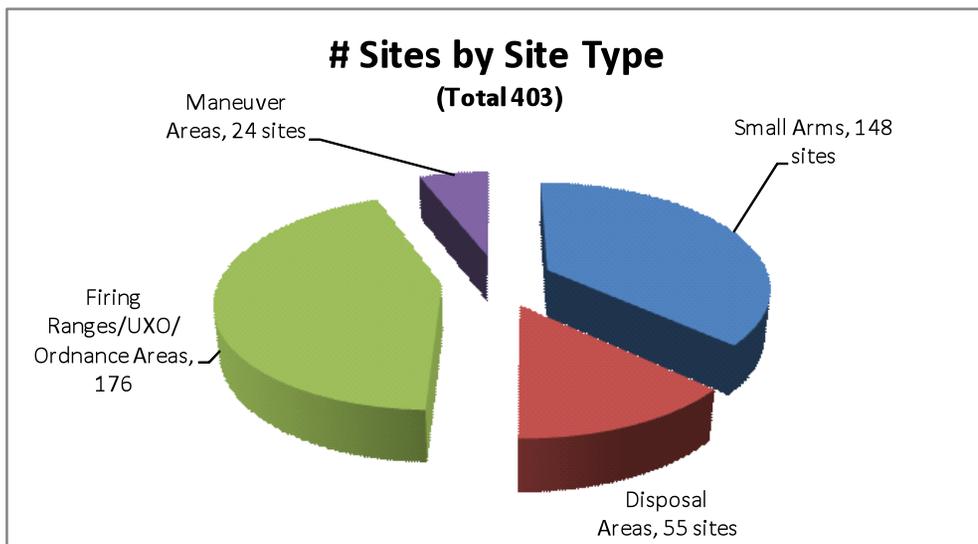
***ENABLING MISSION READINESS***



# PROGRAM SCOPE / STATS



## SITE DIFFICULTY



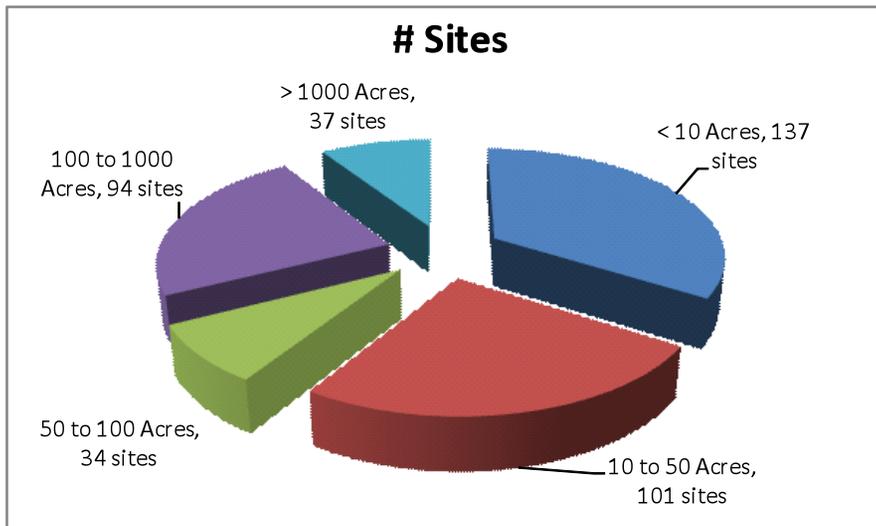
- **40% of sites are small arms or maneuver areas and relatively easy to address**
- **Disposal areas can be bounded**
- **Firing Ranges and UXO/Ordnance Areas make up majority of sites and acreage**
  - **Varied terrain (forest, water, mountainous)**
  - **Varied geology (interference)**
  - **Incomplete site histories**



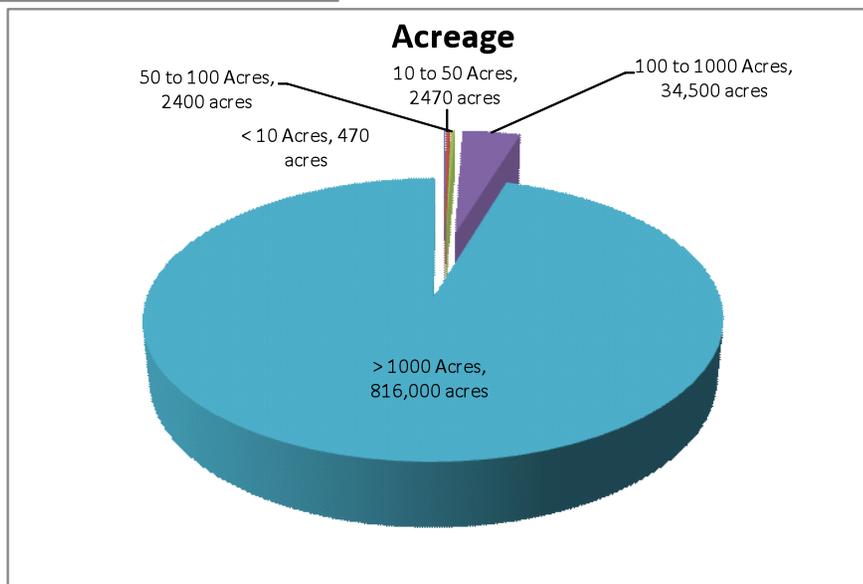
# PROGRAM SCOPE / STATS



## SITE SIZE



- 1/3 of sites are less than 10 acres – manageable cleanup
- 2/3 of sites are less than 100 acres – manageable characterization
- 1/3 of sites over 100 acres up to 476K acres
- 37 site comprise over 816K acres





# LIMITATIONS

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- **Technological limitations on characterization and cleanup**
  - **Rugged terrain**
  - **Water ranges**
  - **Geologic interference**
  - **Detection vs Discrimination**
- **Lack of remediation standard – Safety driven**
- **Lack of clear land reuse to focus cleanup**
- **Fiscal constraints – Future funding isn't looking good**



# APPROACH

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## Risk Management

- Characterize to define and bound the area of risk
- Land Use Controls until a final remedy is in place
- Surface clearance to address exposure inherent in land use (hunting, hiking, forestry, etc.)
- Focus full cleanup on areas not controlled by Army (off-post) and areas of planned development
- Land Use Controls until defined land use (grading plans, building footprint, etc.)
- Leave the “Back 40” alone until needed

**THIS ISN'T A WALK AWAY APPROACH – IT IS RISK MANAGEMENT**



# QUESTIONS???