



US Army Corps of Engineers



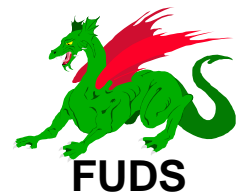
**Society of American Military Engineers
Joint Engineer Training Conference
Salt Lake City, UT
11–15 May 2009**

**Session 4 (Thurs, 14 MAY 09, 1345-1500)
Military Munitions Response Program - "The Next Step"**

**Remedial Investigation/Feasibility Study at
Formerly Used Defense Sites**

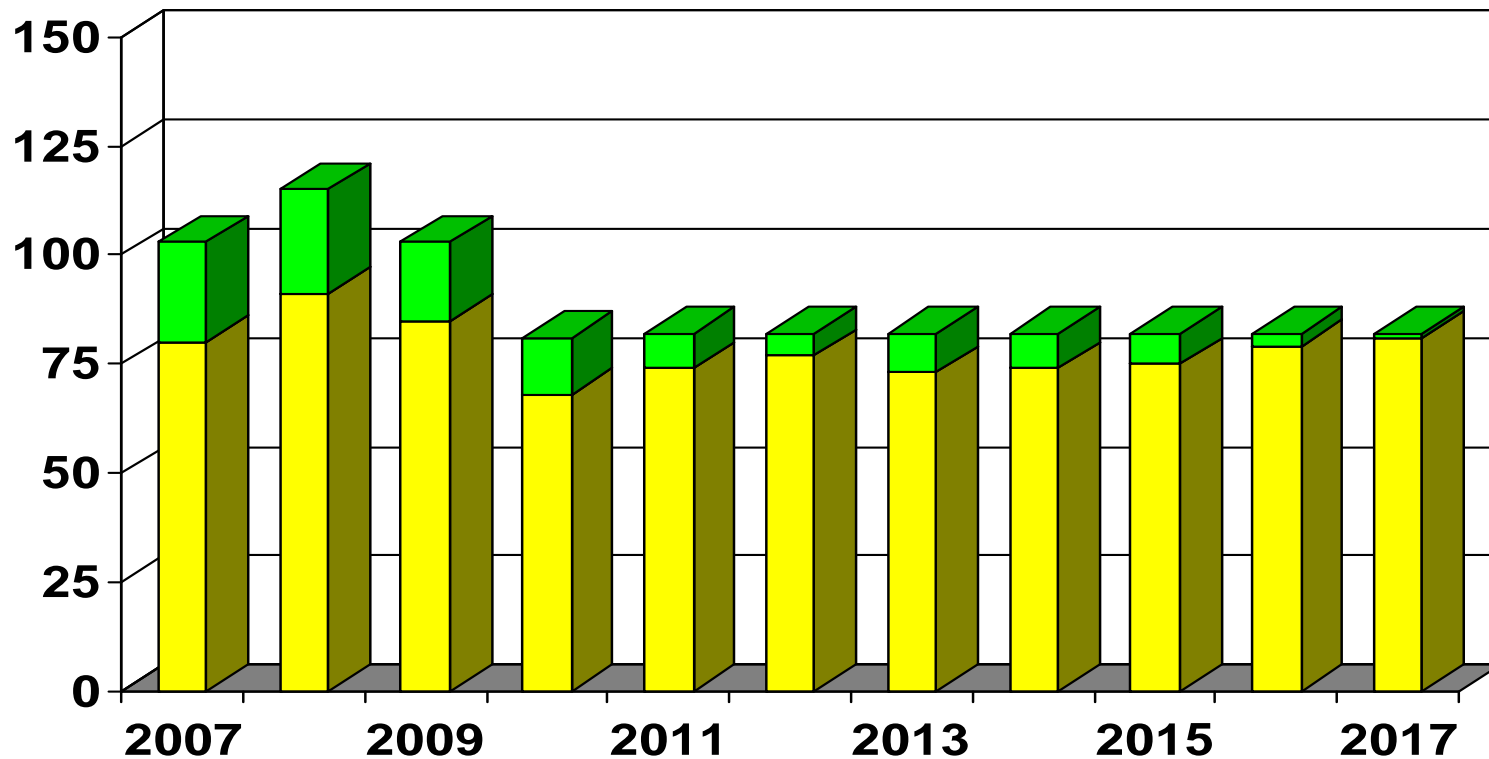
Julian Chu, Headquarters Army Corps of Engineers (HQUSACE)

Brad McCowan, USACE Environmental & Munitions CX (EM CX)





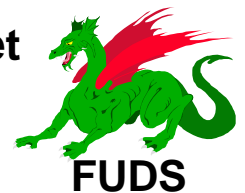
FUDS MMRP POM



■ MMRP ■ CWM

FY07-FY08: Actual Budget

FY09-FY17: Planned Budget



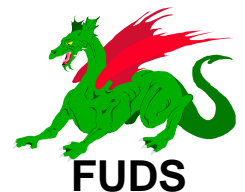


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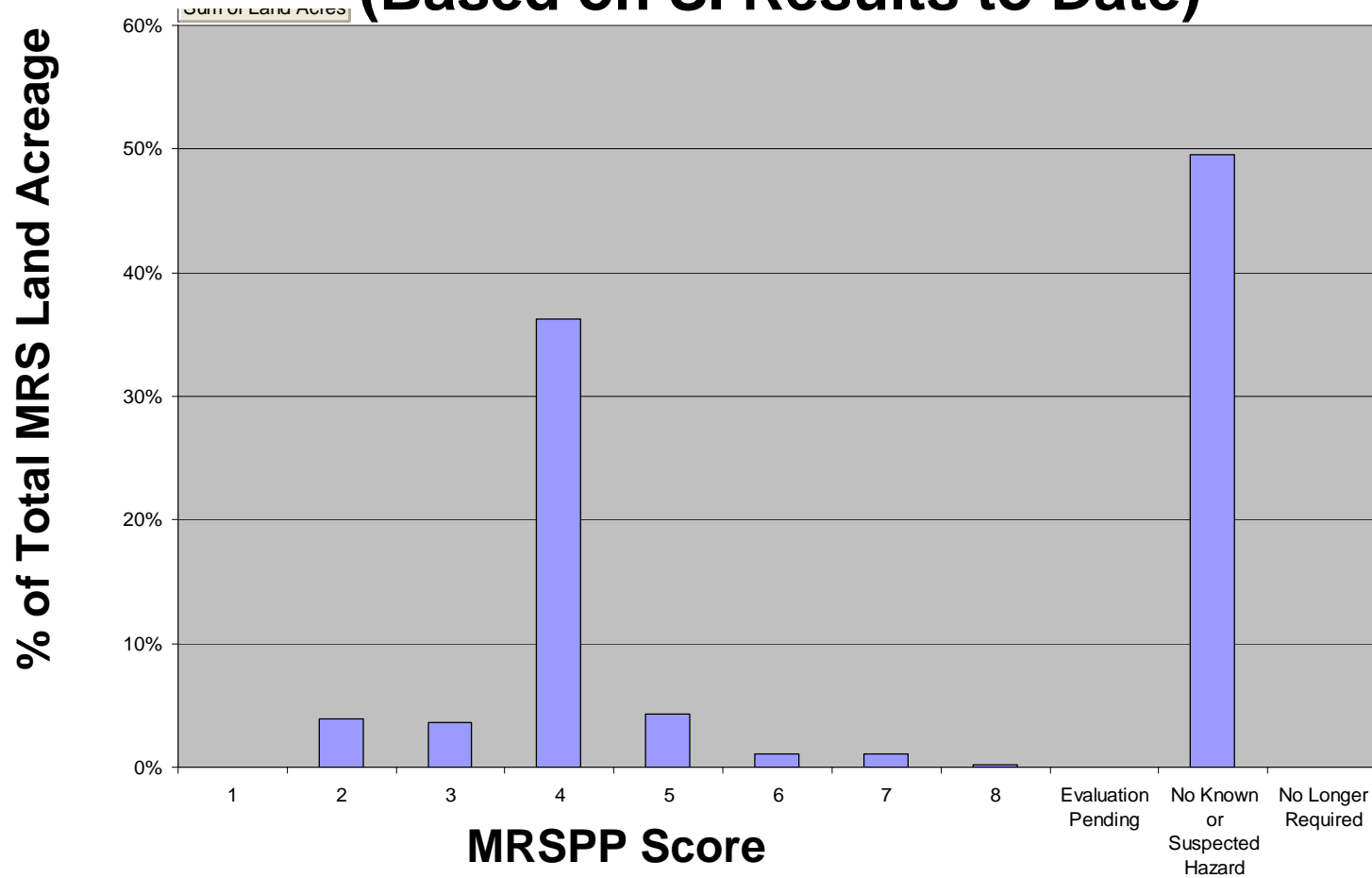
Cost-to-Complete (FY09 & Beyond) for MMRP Projects

Phase	CTC (\$M)
SI	80.6
RI/FS	1,527.6
RD	54.8
RA-C	11,268.8
RA-O	1.7
LTM	519.2
ALL	13,452.6





MRSP Score vs. Land Acreage (Based on SI Results to Date)





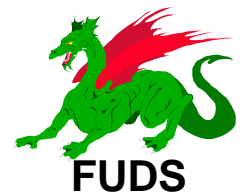
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Remedial Investigation Feasibility Study The Next Step

(Background Information)

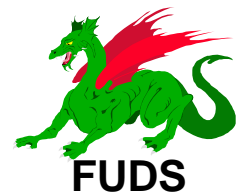
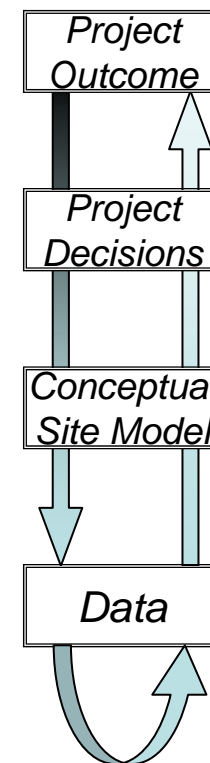
- **Comprehensive Environmental Response Compensation and Liability Act (CERCLA) process**
- **Formerly Used Defense Sites (FUDS)**
 - **Military Munitions Response Program (MMRP) Site Inspections (SI)**
 - **Goal set by Congress and Department of Defense**
 - **To meet the goal, SI were accomplished in a programmatic fashion**
 - **FY04 ARC baseline (765) to be completed by 30 Sep 2010**
 - **FY05 ARC baseline (962) to be completed by 30 Sep 2012**
 - **FY07 ARC baseline (1073) to be completed by 30 Sep 2013**





Remedial Investigation Feasibility Study The Next Step

- **Purpose**
 - **Collect sufficient information to select the appropriate remedial action to perform appropriate, cost-effective cleanup of MEC, MC, and other incidental contamination so that the property can be used for its intended land use at the time of remedy selection and to protect human health, safety, and the environment**





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Remedial Investigation Feasibility Study The Next Step (cont.)

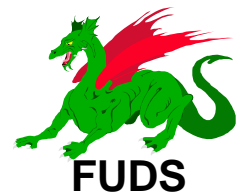
- FUDS MMRP Remedial Investigation/Feasibility Study (RI/FS) work is to be performed by one of the Corps of Engineers (USACE) Military Munitions Design Centers (MMDC) per ER 200-3-1 and Operations Order 2006-43
- Most projects will be awarded using a Performance Based Acquisition (PBA) process with a Performance Work Statement (PWS)
- The EM CX is currently developing a PWS template for use by the MMDC for performing MMRP RI/FS





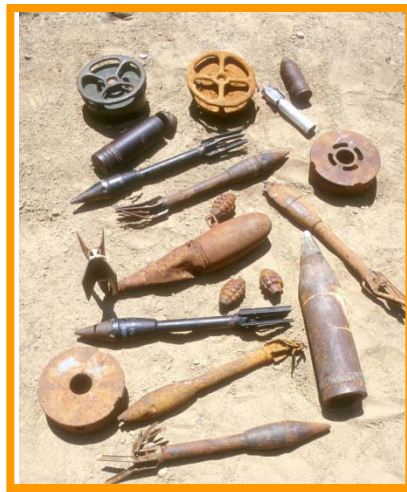
Remedial Investigation Feasibility Study The Next Step (cont.)

- **Given the funding constraint, current FUDS planning will be to execute selected higher-risk projects through the CERCLA process once the RI/FS is started**
- **Technical Project Planning (TPP) will be a part of the RI/FS**
 - **Multi Increment Sampling or conventional sampling methods will be determined during TPP**
 - **Site characterization techniques and how much will be part of TPP**
- **Standardized RI/FS Final Report**

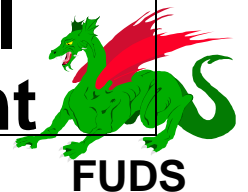




Ordnance Safety



- **DO NOT TOUCH!
DO NOT MOVE!
IF YOU DIDN'T
DROP IT, DON'T
PICK IT UP!**
- **Note/record
location**
- **Call 911 or local
law enforcement**



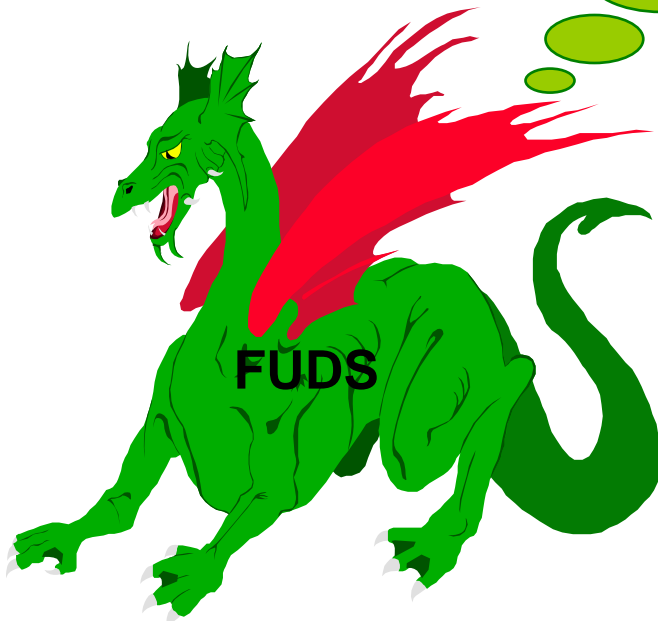


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Questions ?



BUILDING STRONGSM