

# Restoration Advisory Board Meeting

October 28, 2008



US Army Corps  
of Engineers



## PINECASTLE JEEP RANGE – ORLANDO, FLORIDA

# Agenda

## STATUS UPDATES

- TCRA
- RI/FS
- Data From Other Sources
- Overall Schedule and Path Forward

## OLD BUSINESS

- Previous Action Items

## NEW BUSINESS

- Election of New RAB Members
- Conservation/Wetlands Area Discussion
- Results Letters Discussion

## Q&A

Review New Action Items  
Schedule Next Meeting  
Adjourn

# Status - Time Critical Removal Action (TCRA)

- **Draft Final Report Out Soon**
  - Odyssey Middle School
  - Mockingbird Property LLC
  - Tivoli Gardens Housing Area
  - Warwick Housing Area
- **Fencing between OMS and Warwick to be completed in near future**



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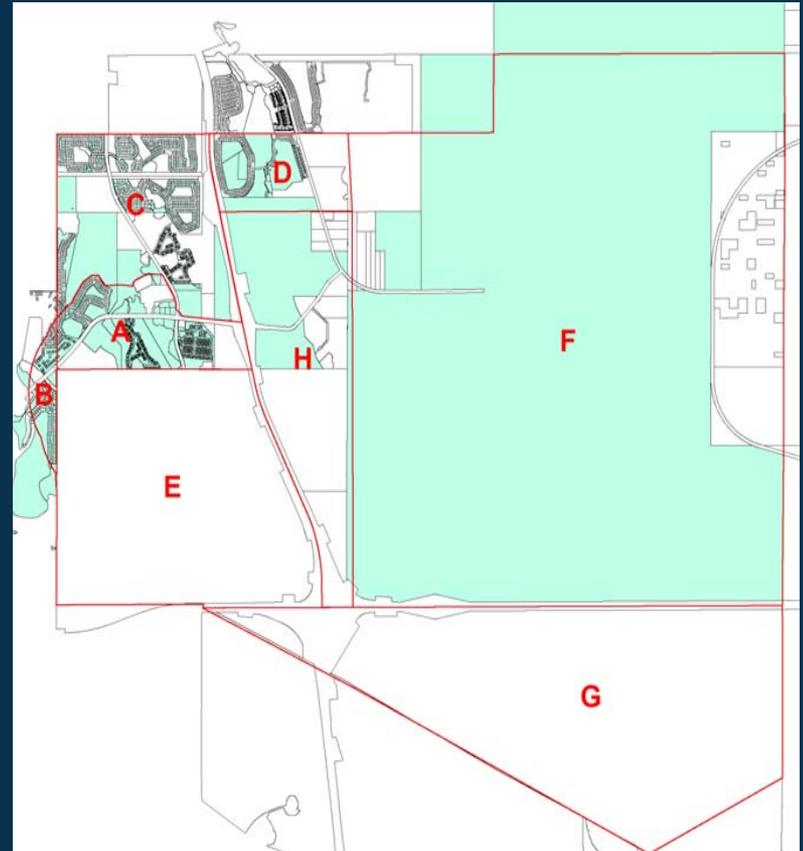
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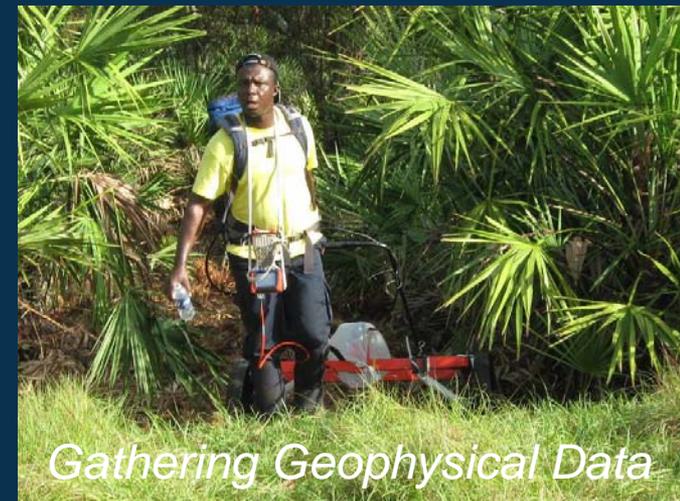
# Rights of Entry

- ROEs are required before a property can be investigated
  - About 1,000 ROEs executed
  - ROEs still being sought
  - Corps mailed about 680 **follow-up** letters requesting owners to sign an ROE
  - Deadline 31 December 2008



# Transects (Non-Residential Areas)

- **Brush clearing**
  - Area A – hand cleared transects in wetlands
  - Areas C, D, H, and F – mechanical clearing
  - Most transects have been cleared
  - Some areas are still flooded
- **Surveyors**
  - Recording location control on all transects in wooded areas



# Metal Detector Surveys

## Digital Geophysical Mapping (DGM) Progress

Residences in Areas A, B, and C

- A - Avon, Lee Vista Square, Central Park (part)
- B – Central Park (part)
- C – Bella Vista, Sanctuary

Lots by Crowntree Lakes Apts

Transects in Area C, Area D, Area F and Area H

Remaining areas – Area C, Area D, Area E (no ROE), Area G (no ROE)



*Geonics EM61Mk2 metal detector with Trimble RTK GPS and operator*



*Scanning with handheld metal detectors in areas too small for DGM*

# Digging for Munitions



*Digging suspected munitions locations*

- **Hidden Oaks Elem. School** – completed
- **Lee Vista Square** – yards, courtyards, common areas mostly completed
- **Avon** – mostly completed
- **Central Park** – in progress
- **Bella Vista** – in progress
- **Conservation area between Odyssey MS and Tivoli Gardens**
  - High water levels impeding work

# Typical Excavated Items



*Rusted  
Metal*

*Reinforcing Bar*



*Fencing*



*Wiring*

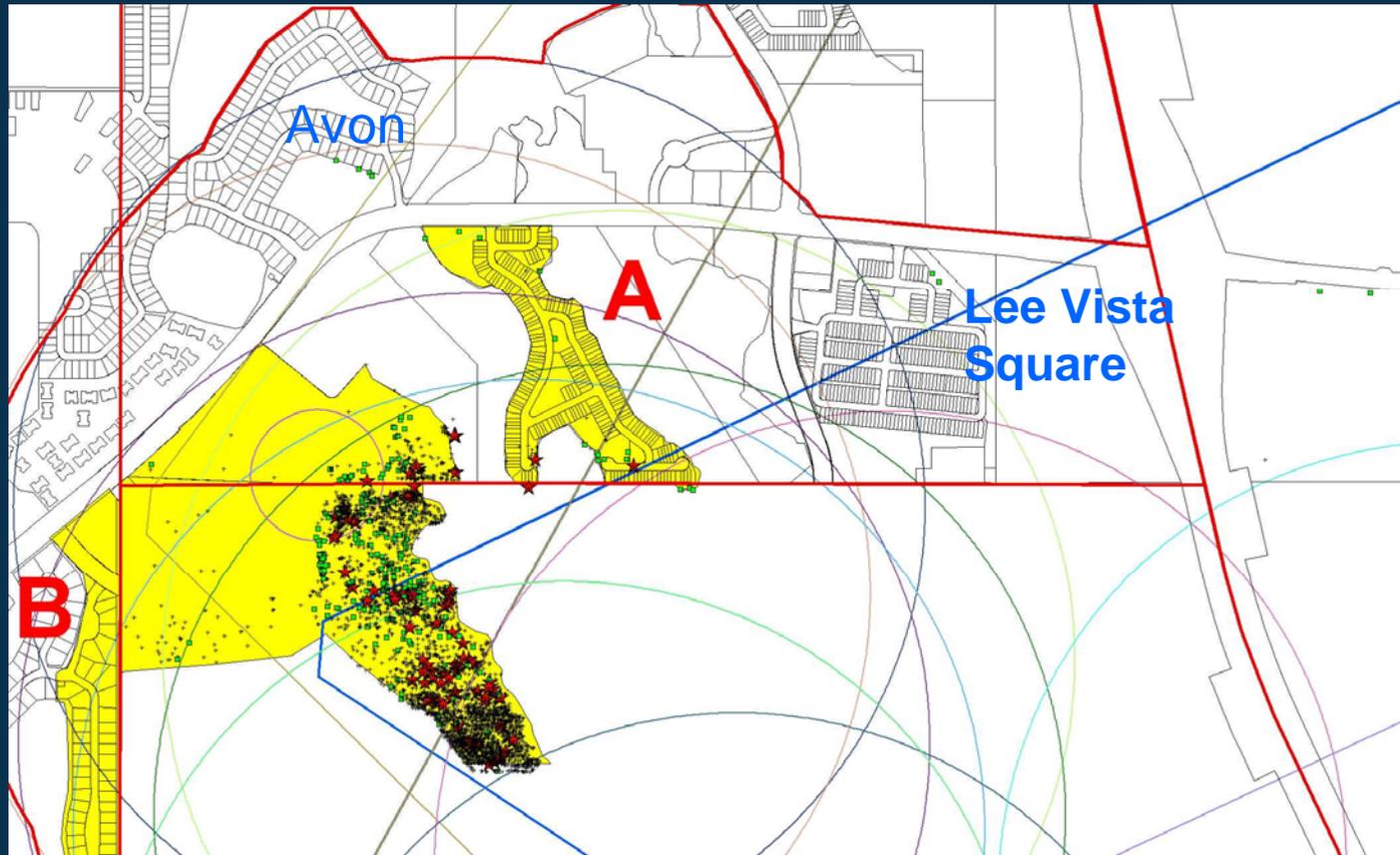
# Munitions Found during RI/FS



.50 caliber  
bullet



# Munition Debris and UXO Found to Date on PJR (by USACE)



As of 10/16/08

Yellow area =  
TCRA coverage

Red Stars =  
Unexploded  
Ordnance

Black Pluses =  
Munitions Debris

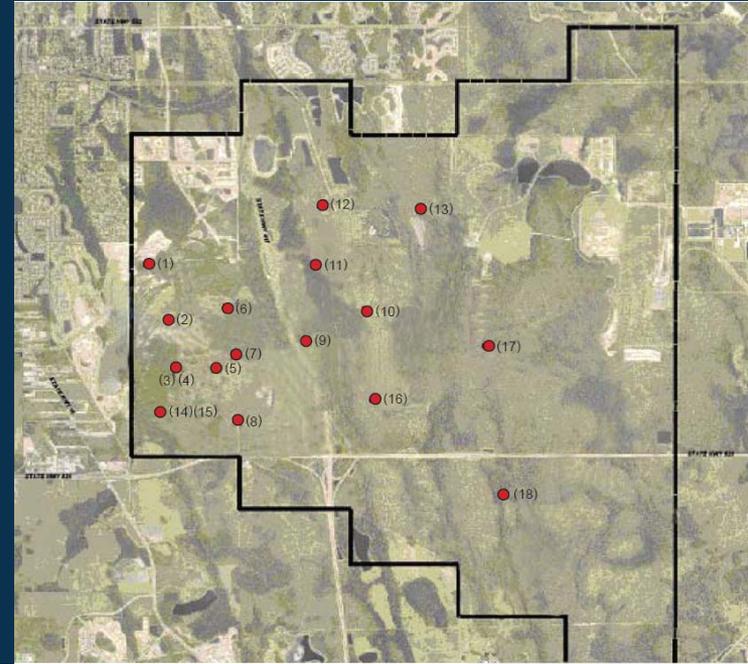
Green Squares =  
Bullets (Small  
Arms)

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# Environmental Samples Site Inspection

## SI – 16 Soil Samples

- Analyzed for explosives and metals
- Two samples had low levels of nitroglycerin
- Metals detected but did not exceed FL Target Cleanup levels



<i>Substance</i>	<i>Acceptable Residential Level</i>	<i>Acceptable Commercial Level</i>	<i>Pinecastle</i>
Lead	400	1400	18
Mercury	3	17	0.2

# Environmental Samples TCRA

## TCRA – 21 Soil Samples at 10 Locations (Odyssey MS)

- Analyzed for Explosives, Metals, DDT
  - For Explosives and DDT, levels were non-detectable
  - Metals were present but below screening levels

# Environmental Samples - RI/FS

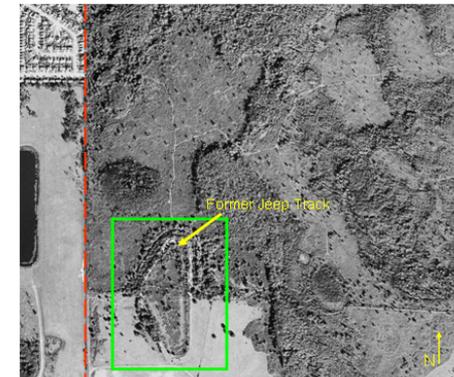
- **RI – 41 Soil Samples Analyzed to Date**
  - Odyssey MS – 11 samples
  - Tivoli Gardens – 23 samples
  - Conservation area – 7 samples
- **Analyzed for Explosives and metals**
  - No Explosives Detected
  - Metals Detected
- **Need to Collect Background Samples for Comparison**
- **Additional Samples to be Collected where MD/MEC/UXO Found during Field Work Plus other Planned Samples**



# 1990-2007 Photographic Analysis of Storm Water Retention Ponds Development and Fill Placement of Residential Areas A, B, C & D

- Working Draft analysis completed
- Includes analysis of Grading plans for Vista Lakes
- To be included as appendix in RI/FS report

January 1999 – Prior to Odyssey M.S. Construction

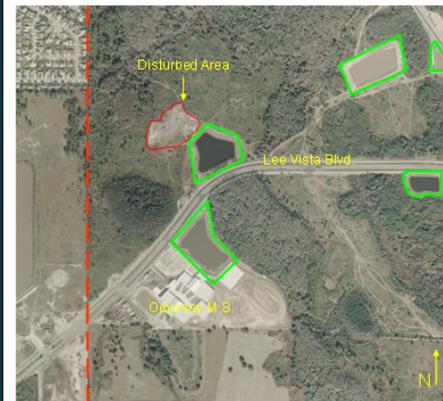


- No new construction within the range boundary (in this view)
- Prior to construction of Lee Vista Blvd

--- FUDS Boundary

9

March 2000 - Odyssey Middle School



- Odyssey M.S. under construction
- Five new ponds constructed - likely associated with road construction
- No disturbed areas are visible in the area around the school
- Disturbed area NW of pond - does not appear uniform as if fill were graded in the future Avon area

□ Pond

--- FUDS Boundary<sub>10</sub>

# RI/FS Activities – Next 2 Months

- **Substantially complete:**
  - Current (October)
    - Lee Vista Square, Avon, Central Park, Area H
  - November
    - Bella Vista, Tivoli Village, Sanctuary
  - December
    - Oak Crest, Waterside, Newport, Area F
    - Soil/Water Sampling
  - January - March
    - Area E and Area G
    - Any new ROEs
- **Completion will occur after last ROEs are obtained**



# RI/FS Schedule and Beyond

## RI/FS Schedule Milestones

- **Field Work Complete:** Mar. 2009
- **RI and FS Reports:** Drafts – Apr. 2009 & Finals – Jul. and Aug. 2009
- **Proposed Plan:** Draft – Sep. 2009 & Final – Dec. 2009
- **Decision Document:** Draft - Dec. 2009 & Final - Feb. 2010

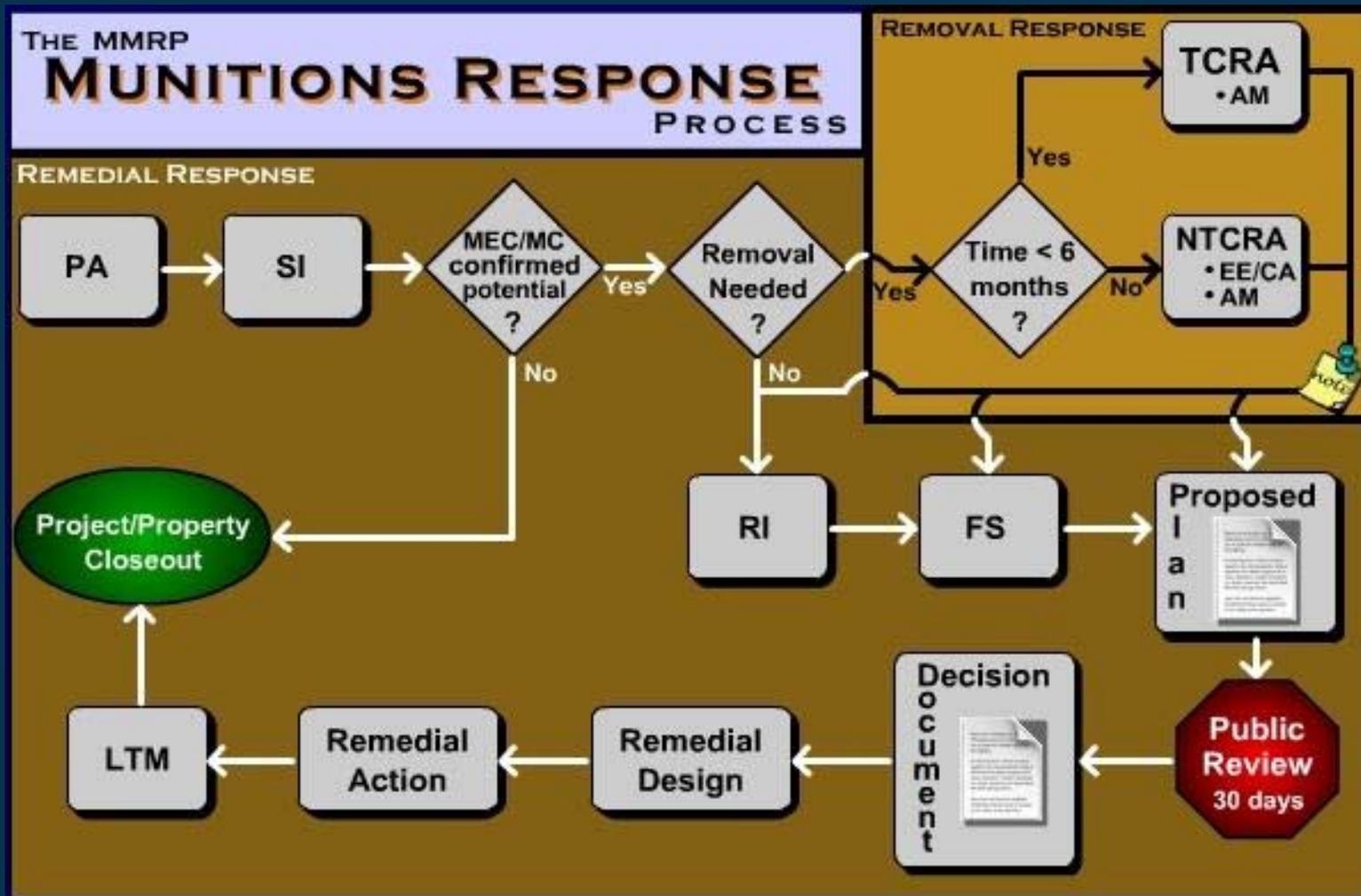
**Remedial/Removal Design (RD)**

**Remedial/Removal Action (RA)**

**Remedy In Place/Response Complete**

**Long Term Monitoring/5 Year Review**

# MMRP Response Process



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# Old & New Business

- Previous Action Items
- Election of New RAB Members
- Results Letters Discussion
- Conservation/Wetlands Area Discussion

# Conservation Areas - Transects



Sign Installation in Conservation Area

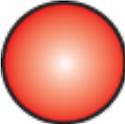
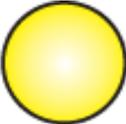
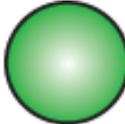


- Locations in Areas A & B where munitions found or suspected; 4 transects in Area F adjacent to landfill
- Should areas be expanded or reduced
- Evacuation will need to be planned for area between OMS and Tivoli Gardens



# Protect yourself by remembering the **Three Rs:**

- **Recognize** – the item you found may be dangerous.
- **Retreat** – leave the item where it is, do not touch and go away.
- **Report** – Call 911 and report what you found. The local police will know what to do.

 **R**ecognize  **R**etreat  **R**eport

# Contact Information

U.S. Army Corps of Engineers,  
Jacksonville District

Pinecastle Jeep Range Web  
Pages

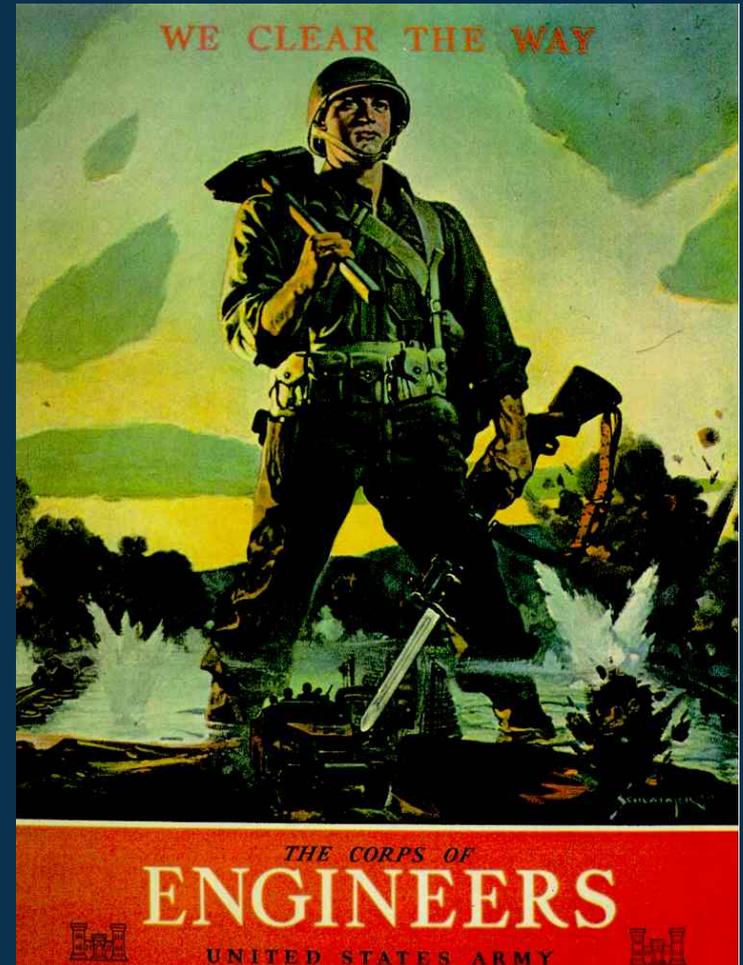
[http://www.saj.usace.army.mil/  
support/fuds/pinecastle/](http://www.saj.usace.army.mil/support/fuds/pinecastle/)

Corporate Communication Office

800-291-9413

or

904-232-1576



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