

The background of the slide is a photograph of a coastal landscape in Vieques, Puerto Rico. It shows a clear blue sky, a calm blue body of water in the foreground, and a green, hilly island in the distance under a bright sun.

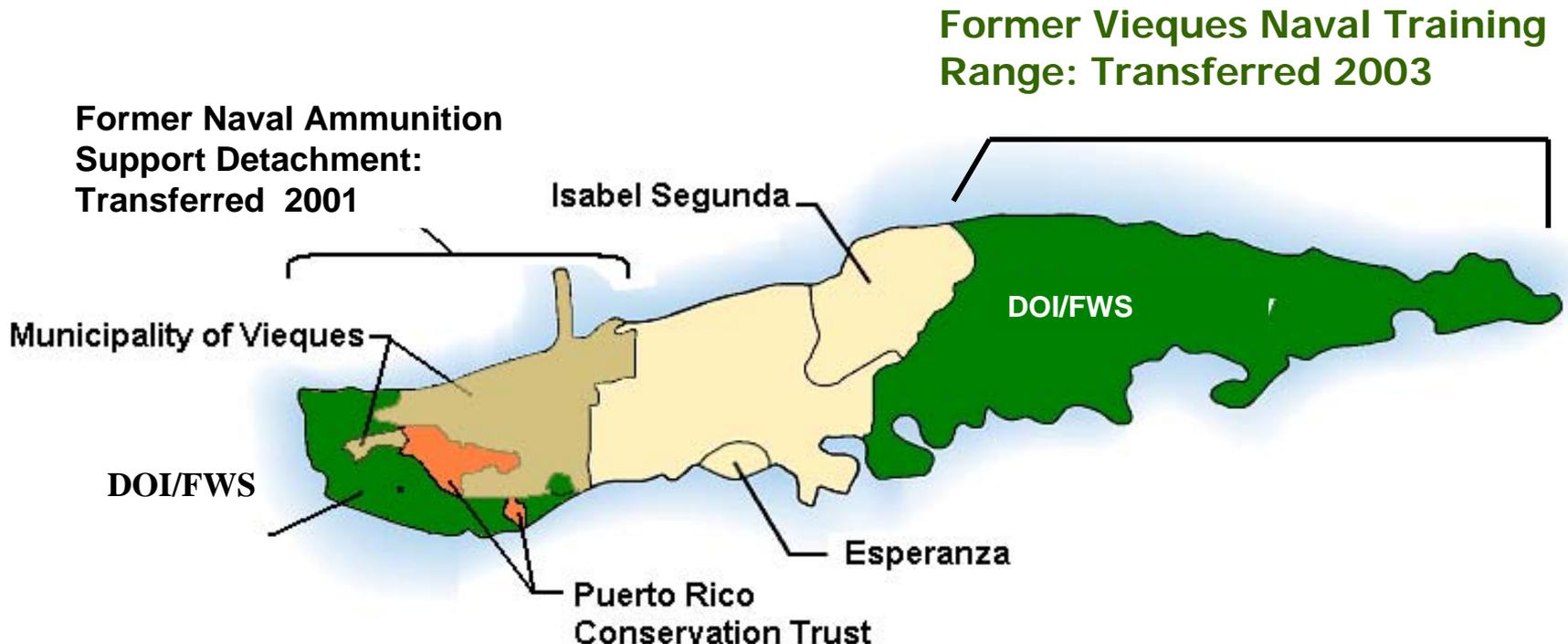
RAB Meeting
Munitions Response Program Update
Former Vieques Naval Training Range
(VNTR)
Vieques, Puerto Rico
May, 2008

Presentation Overview

- **Contractor Update**
- **Personnel Status**
- **TCRA Update**
- **Non TCRA Munitions Response Actions**
- **Questions/Comments**

Munitions Response Program Overall Objectives

- ❖ Conduct Munitions Response Program (MRP) investigations
- ❖ Characterize Munitions Response Sites (MRS)
- ❖ Conduct Munitions Response Actions at sites that pose unacceptable risks to human health
- ❖ Final response action objectives will be based on final land use plan



Contractor Update TCRA

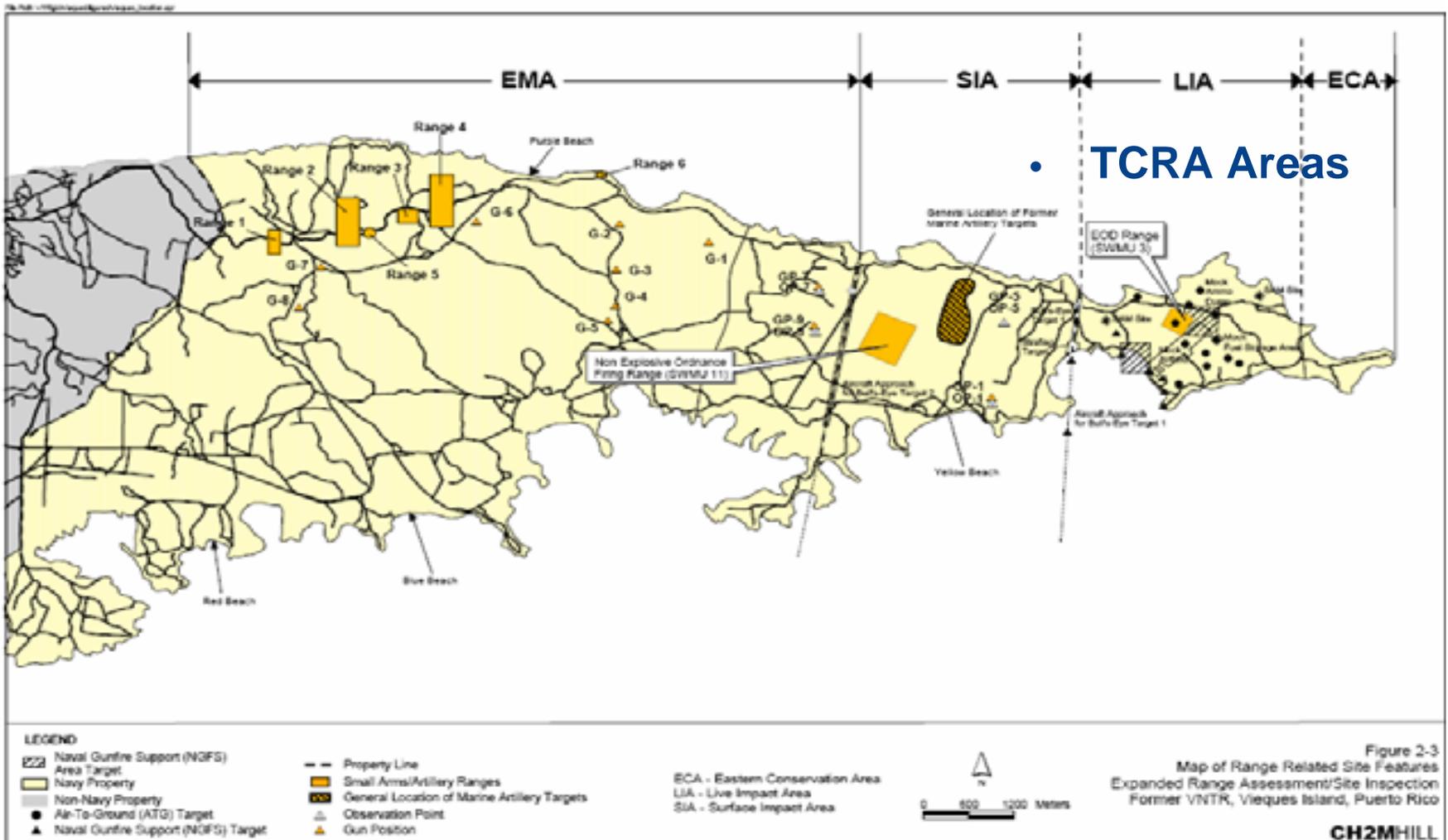
- **CH2M HILL – Title II Services**
- **USA Environmental- Removal Action Contractor (Small Business)**
- **PIKA International- CPC Contractor (8A)**

Personnel Status

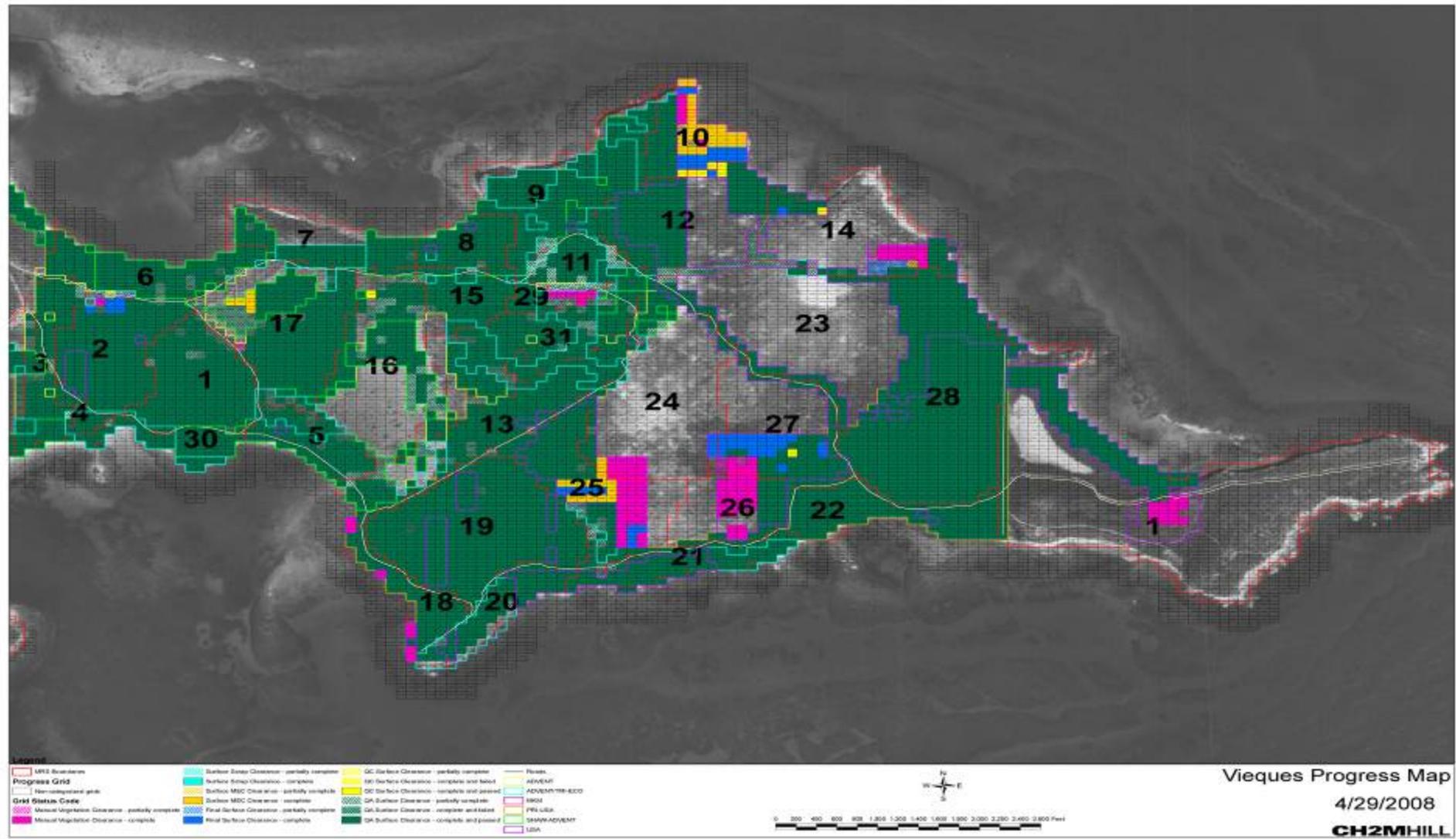


- **Approximately 112 Personnel working on site daily**
- **Approximately 82 personnel or 73 percent of the workforce are local residents**
- **USA is the largest employer with 90 personnel, 61 local residents**

Time Critical Removal Action Response Areas



TCRA Progress Map



Time Critical Removal Action

- ❖ Data through April
- ❖ 677 acres surface cleared in the Live Impact Area and Eastern Conservation Area
- ❖ Items located requiring detonation or explosive venting
 - Live Bombs – 400
 - Inert Bombs - 3736
 - Live Projos /Mortars - 4124
 - Inert Projos /Mortars -2895
 - Live Rockets - 285
 - Inert Rockets - 92
 - Flares-Pyrotechnics - 303
 - Live ICMs - 4763





Material Processed and Shipped as of January 18, 2008

Operation	LBS	TONS
MD INSPECTION & RECOVERY	4,106,000	2053
RRD INSPECTION & RECOVERY	4,230,000	2115
TOTAL MATERIAL RECOVERED	8,336,000	4168
CHRUSHING (HAMMER MILL)	214,000	107
SHEARING (EXCAVATOR)	950,000	475
PETROGEN TORCH (CUTTING)	52,000	26
THERMAL PROCESSING	1,536,000	768
TOTAL MATERIAL SHIPPED OFF ISLAND	3,514,000	1757

Recovery and Processing of MD and RRD Update



- **Most processing operations suspended**
- **Off island shipping suspended**
- **Focus on recovery and segregating into the appropriate stream/processing operation**
- **Processing will continue when sufficient material for that particular operation is collected**
- **Off island shipment will continue when sufficient material has been processed and certified**



Non TCRA Munitions Response Actions

- **Expanded Range Assessment and Phase II Site Inspection**
- **Sub-Surface Pilot Test**

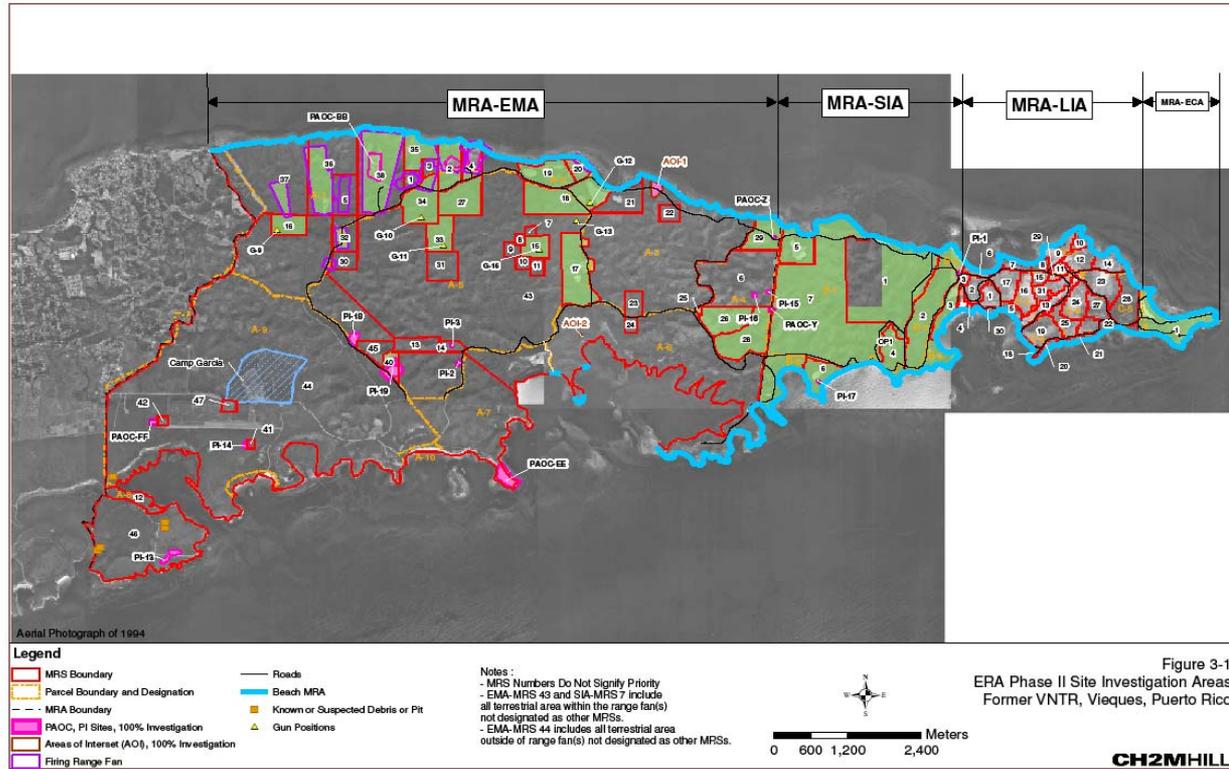
Expanded Range Assessment and Phase II Site Inspection

- **Purpose and Objectives:**
 1. **Supplement previous information regarding the types and quantities of MEC believed to be present at the MRSs investigated**
 2. **Characterize sites to confirm MRSs**
 3. **Identify types and locations of target areas**
 4. **Identify potential MRSs where no future Munitions Removal Actions are necessary (additional site information/investigation will be required before recommending no further action)**
 5. **Identify MRSs that will require further investigation in order to arrive at a response action decision**
 6. **Identify high risk MRSs that may require immediate action due to explosive safety issues**

Expanded Range Assessment and Phase II Site Inspection

- **Approximately 367 acres within the EMA, SIA and ECA will be investigated**
- **The Munitions Response Sites will be inspected using the transect approach with 10 percent of the MRS being inspected**
- **Specific Areas of Interest and Concern will be 100 percent inspected**

ERA/Phase II SI Areas



Items Identified During ERA II

Category	SIA/Quantity	EMA/Quantity
Bombs	195	36
Flares and Pyrotechnics	121	12
Grenades	6	1
Projectiles	814	48
Rockets	111	48
Miscellaneous Components	172	5

Sub-Surface Pilot Program

- **A program implemented to assist us in determining the most appropriate approach for any future Sub-Surface Removal Actions. During this program, we hope to determine:**
 - **What is the proper excavation equipment for the various soil conditions on-site**
 - **Are our field data collection units programmed to support the different type of data needed during a Sub-Surface Removal**
 - **An expected production rate for excavations in the various geology on the site**
 - **Study the impact water intrusion may have on excavations on the beaches**
 - **Obtain a rough estimate of the depth most anomalies are resolved**

Conclusion

- Questions/Comments?

