



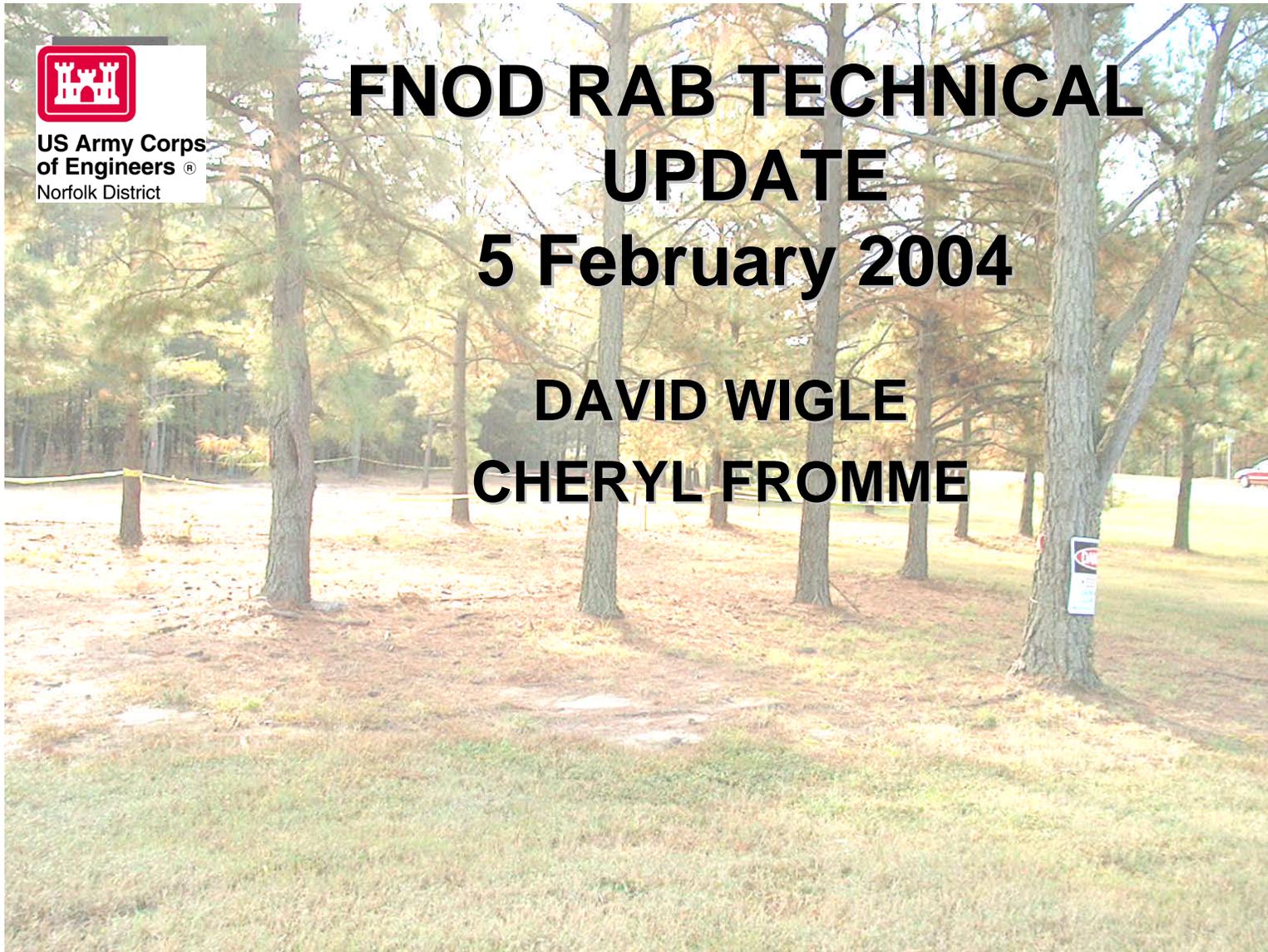
US Army Corps  
of Engineers®  
Norfolk District

# **FNOD RAB TECHNICAL UPDATE**

**5 February 2004**

**DAVID WIGLE**

**CHERYL FROMME**





**US Army Corps  
of Engineers**®  
Norfolk District

# AGENDA

- New Aerial Photo
- Offshore Area
- LUCIP City of Suffolk MOA
- OE Removal Update
- ATSDR Update
- FY04 Project Priorities
- TNT Area Interim Cover
- JRB Revetment
- Groundwater Modeling
- Horseshoe Pond BERA/HHRA

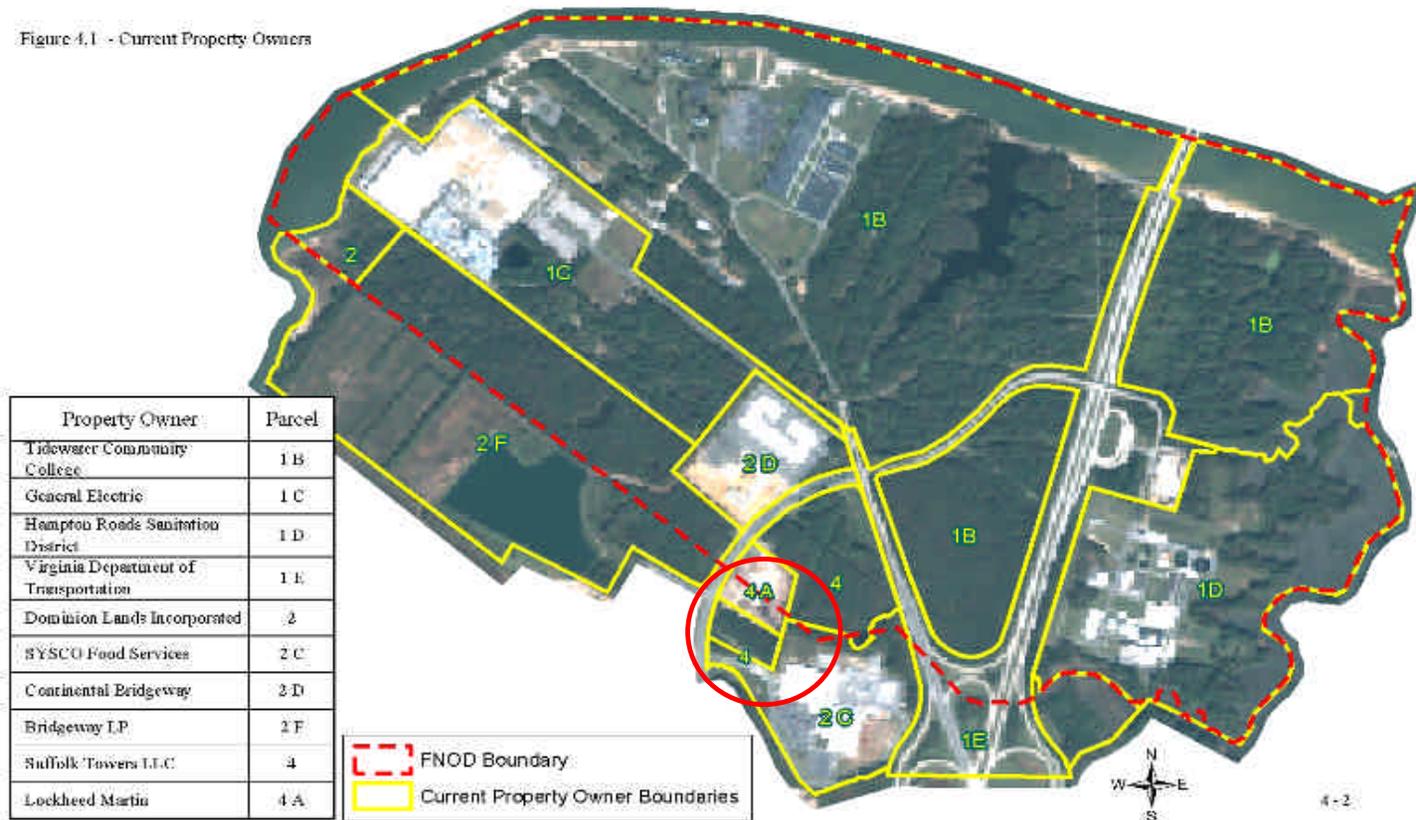




US Army Corps  
of Engineers®  
Norfolk District

# New Aerial With Property Owners

Figure 4.1 - Current Property Owners





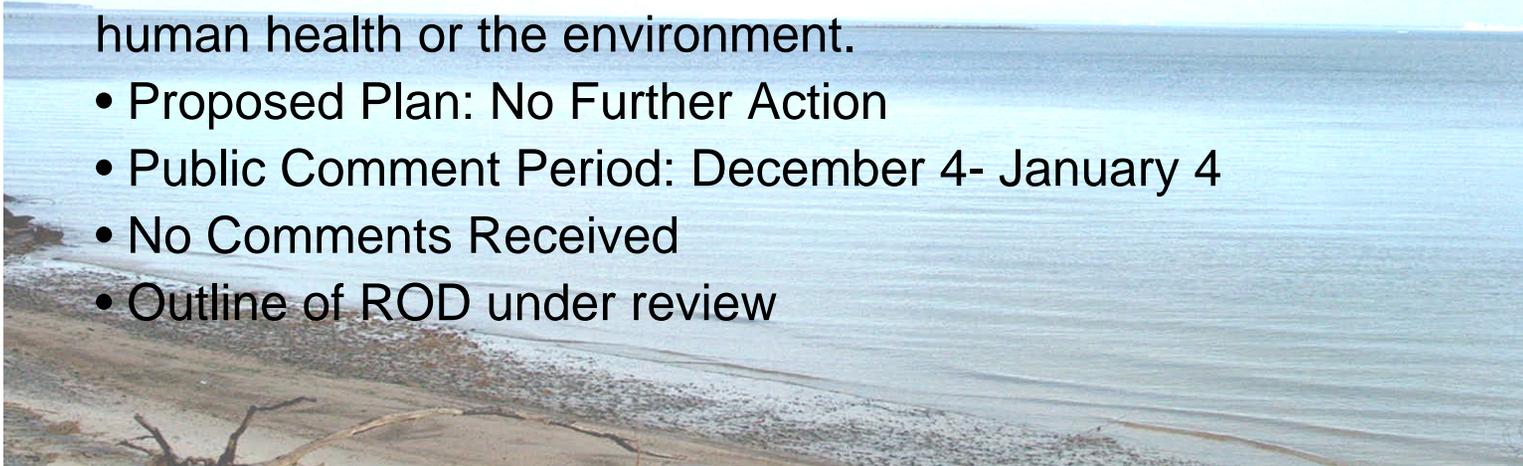


US Army Corps  
of Engineers®  
Norfolk District

## Offshore Area Study

11/4/03

- Consisted of the Environmental Characterization Study, Human Health Risk Assessment, & Baseline Ecological Risk Assessment
- Findings: FNOD Contaminants of Concern were not found in offshore river sediments in concentrations that pose a threat to human health or the environment.
- Proposed Plan: No Further Action
- Public Comment Period: December 4- January 4
- No Comments Received
- Outline of ROD under review





US Army Corps  
of Engineers®  
Norfolk District

## Land Use Control Implementation Plan

### Memorandum of Agreement (MOA)

- Forwarded 15 Dec to City of Suffolk, City Manager Mr. Robert Herbert
- FNOD lies within the jurisdiction of Suffolk
- Coordination with Suffolk City Planning Department for zoning issues
- Target date of 30 April 2004 for MOA signature
- Future negotiations with property owners



US Army Corps  
of Engineers®  
Norfolk District

## Land Use Controls Cont



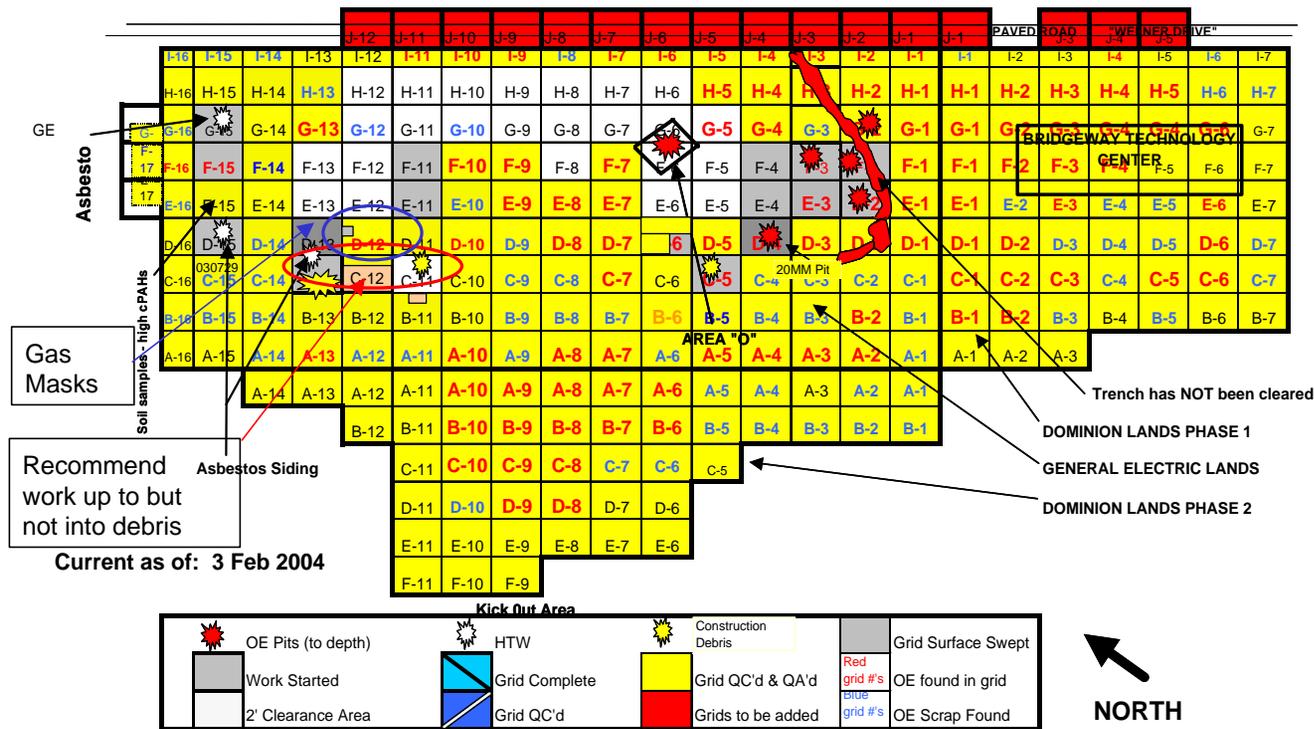
**Bridgeway LP's Re-  
development Plan**

**Revised residential  
footprint outside OE  
grids.**



US Army Corps  
of Engineers®  
Norfolk District

# OE Removal Update



2/10/2004



**NORTH**

NOT TO SCALE



US Army Corps  
of Engineers®  
Norfolk District

# OE Removal Update

11/4/03

As of 30 Jan 04

TO-DATE TOTALS	UXO ITEMS	OE ITEMS	MISC MUNITIONS POUNDS	BULK EXPL POUNDS	OE SCRAP POUNDS	NON-OE SCRAP POUNDS	CONTAMINATED SOIL POUNDS
	-	2,308	6,992	8,874	161,793	1,050,044	1,940,275
Last Two Months	UXO ITEMS	OE ITEMS	MISC MUNITIONS POUNDS	BULK EXPL POUNDS	OE SCRAP POUNDS	NON-OE SCRAP POUNDS	CONTAMINATED SOIL POUNDS
	-	5	-	-	29	38,054	-
			3 Adapter Boosters Grid D-12				
			1 60mm Mortar with fuze Grid F-15				
			1 40mm Projectile Grid F-15				

- 4 6-inch Stokes mortars found 4 Feb behind Beazley Bldg along JRB front. Items were not fused and destroyed the same day.



US Army Corps  
of Engineers®  
Norfolk District

# BUDGET

(AS OF January 2004)

FY 04	
<b>OE</b>	<b>\$2,440,000</b>
<b>HTRW</b>	<b><u>\$1,809,500</u></b>
<b>Total</b>	<b>\$ 4,249,500</b>
<b>Contract Awards totals:</b>	<b>\$ 2,848,000</b>

### **Contract Awards to date or in Progress FY 04:**

- Continuation of Nearshore Studies
- TNT Area Data validation
- SI AOC 6 Marine Corps Power Generation
- Continuation of OE Removal Action
- Revetment maintenance
- Project Support (CEC and JM Waller)
- Field Sampling HSP BERA



US Army Corps  
of Engineers®

Norfolk District

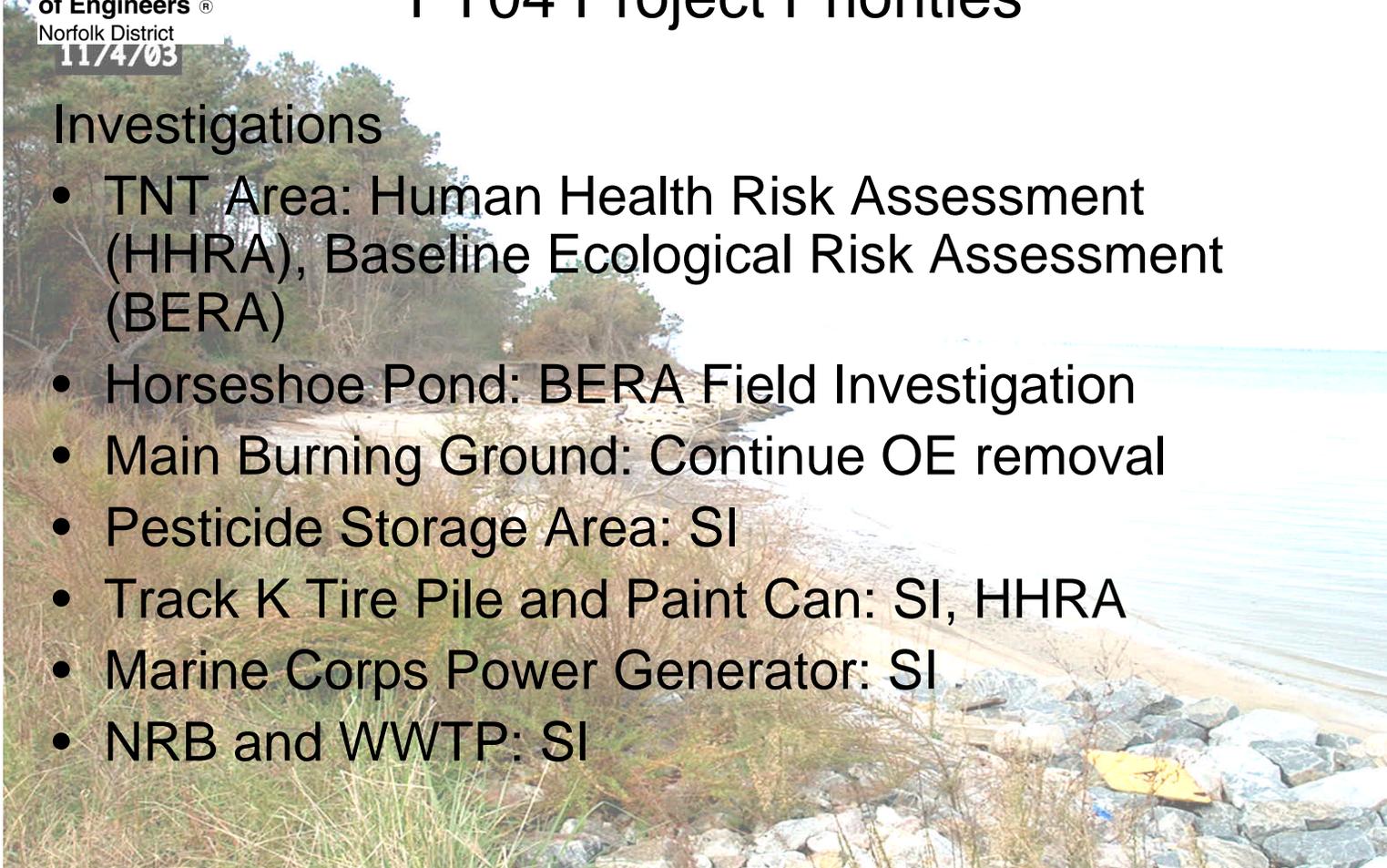
11/4/03

# What's Next?

## FY04 Project Priorities

### Investigations

- TNT Area: Human Health Risk Assessment (HHRA), Baseline Ecological Risk Assessment (BERA)
- Horseshoe Pond: BERA Field Investigation
- Main Burning Ground: Continue OE removal
- Pesticide Storage Area: SI
- Track K Tire Pile and Paint Can: SI, HHRA
- Marine Corps Power Generator: SI
- NRB and WWTP: SI



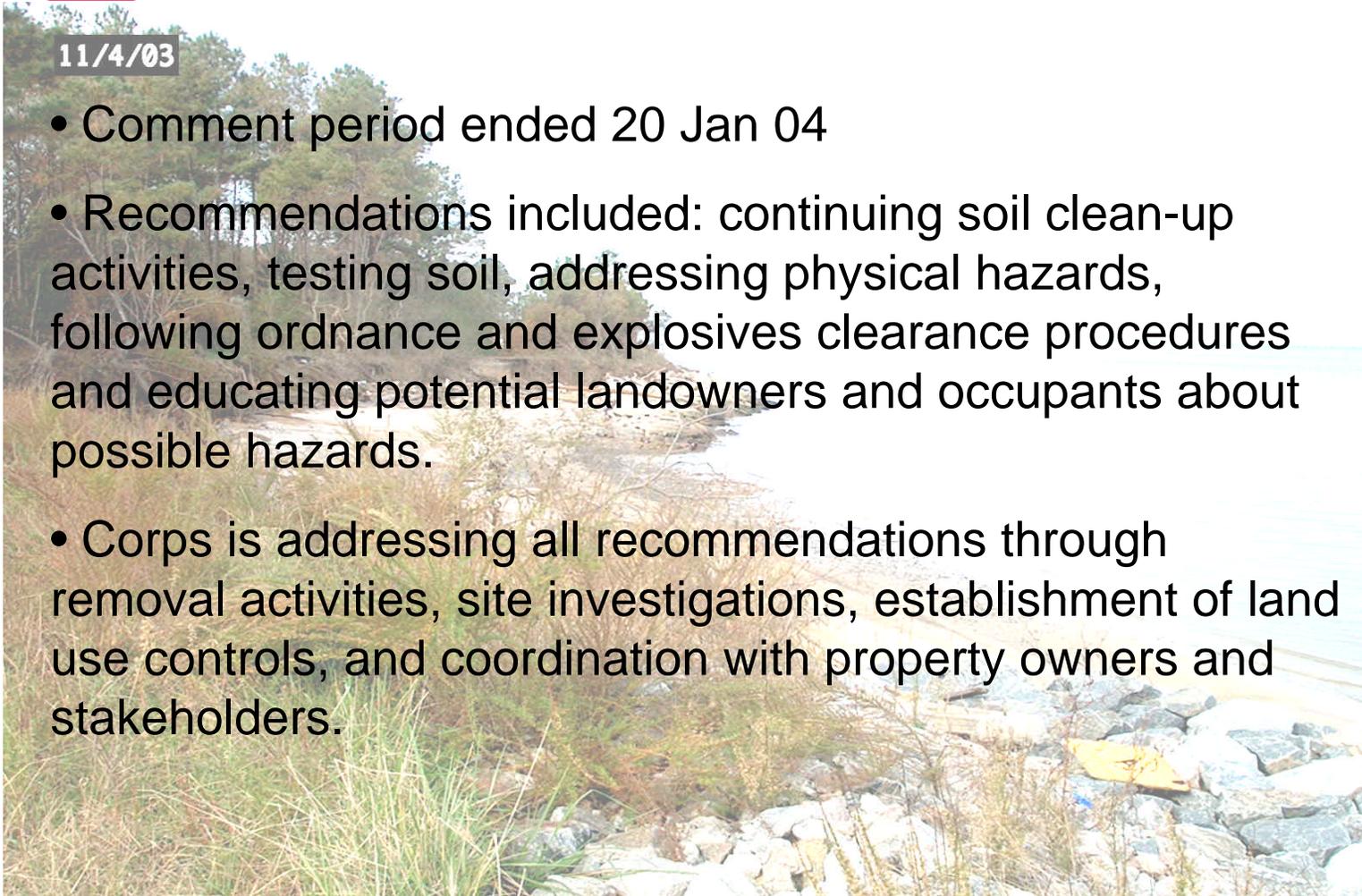




## ATSDR Update

11/4/03

- Comment period ended 20 Jan 04
- Recommendations included: continuing soil clean-up activities, testing soil, addressing physical hazards, following ordnance and explosives clearance procedures and educating potential landowners and occupants about possible hazards.
- Corps is addressing all recommendations through removal activities, site investigations, establishment of land use controls, and coordination with property owners and stakeholders.



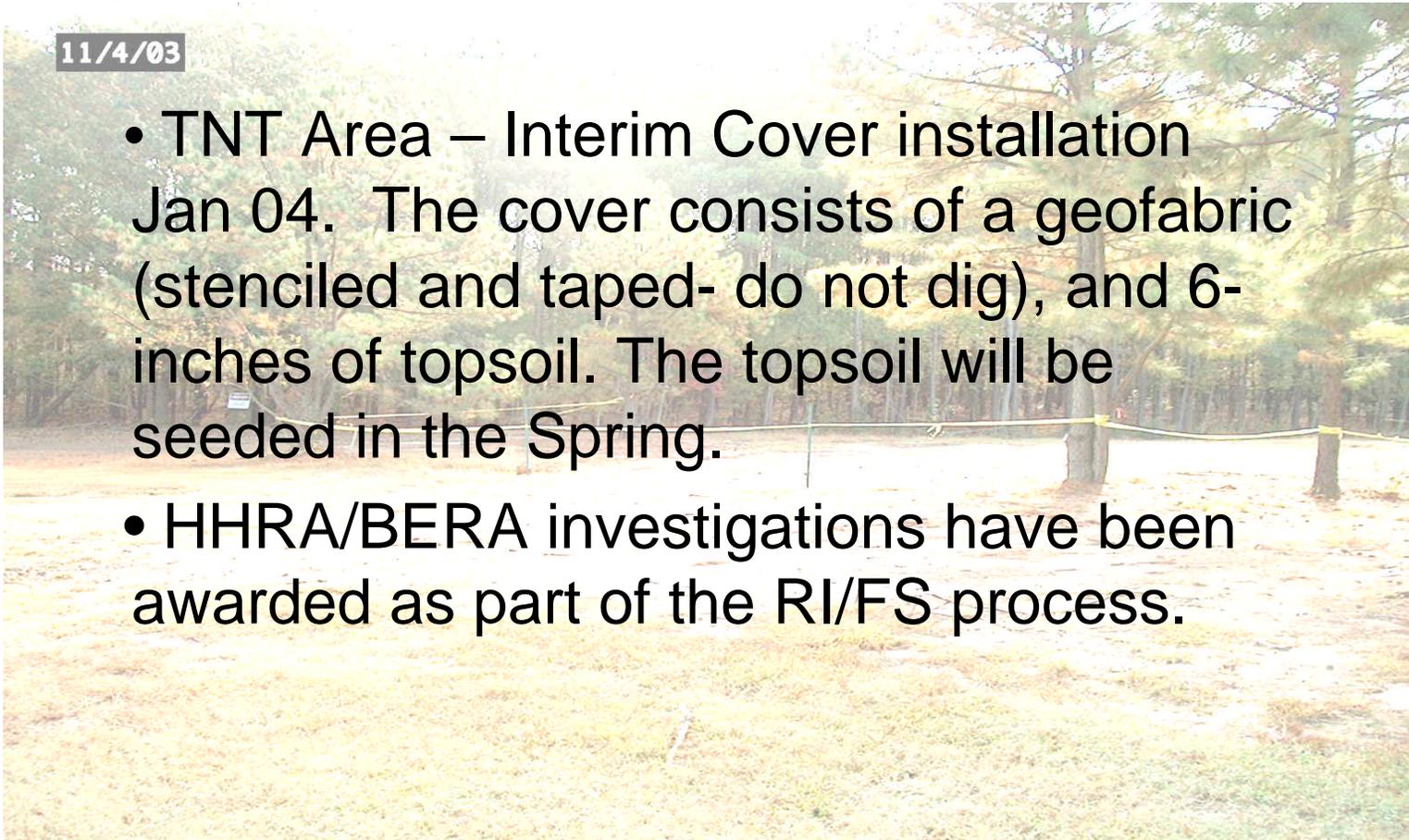


US Army Corps  
of Engineers®  
Norfolk District

## TNT Area

11/4/03

- TNT Area – Interim Cover installation Jan 04. The cover consists of a geofabric (stenciled and taped- do not dig), and 6-inches of topsoil. The topsoil will be seeded in the Spring.
- HHRA/BERA investigations have been awarded as part of the RI/FS process.





**US Army Corps  
of Engineers**®  
Norfolk District

# TNT Area Cover



2/10/2004

16



**US Army Corps  
of Engineers**®  
Norfolk District

# TNT Area Cover





US Army Corps  
of Engineers®  
Norfolk District

## JRB Revetment Maintenance

- IMS placed addition rip-rap along the northwest shore of the revetment 29-30 Jan and 5-6 Feb.





US Army Corps  
of Engineers®  
Norfolk District

# Particle Tracks in the Columbia Aquifer





US Army Corps  
of Engineers®  
Norfolk District

# 6 Feb Site Tour

Time: 10:00 – 12:30

Location: Meet at Manning Building

Tour: Nansemond Beach Front

GE Pond

Main Burning Ground

Piers

TNT Area

TCC Triangle Area – Pesticide Drum Area, Tire  
Pile/Paint Can Area

James River Beach Front

2/10/2004

20



**US Army Corps  
of Engineers®**  
Norfolk District

**11/4/03**

# Questions?

