

**US Army Corps  
of Engineers  
Baltimore District**

# **Fort Detrick Installation Restoration Program**

**Restoration Advisory Board Meeting  
2 June 2005 7:30 PM  
Fort Detrick, Frederick, Maryland**



**US Army Corps  
of Engineers**  
Baltimore District

# Fort Detrick Area A LTM Update

---

## Pending Schedule:

**Semi-Annual Sampling Report (Mar 05 Sampling)**

## Estimated Completion Date

**July 05**

## Items Completed:

Area A Long-Term Monitoring (LTM) Plan

April 02

Area A LTM Sampling (1st round)

May 02

Area A LTM Sampling (2nd round)

June 03

Semi-Annual Sampling Report (May 02 Sampling)

November 02

Area A LTM Sampling (3rd round)

October 03

Semi-Annual Sampling Report (June 03 Sampling)

November 03

Final Area A LTM Sampling Report (May 03 Sampling)

December 03

Final Area A LTM Sampling Report (Oct 03 Sampling)

April 04

Award Area A LTM (1 Year of Sampling)

May 04

Area A LTM Sampling (4th round)

September 04

Semi-Annual Sampling (5th round)

March 05

**Semi-Annual Sampling Report (Sept 04 Sampling)**

**May 05**

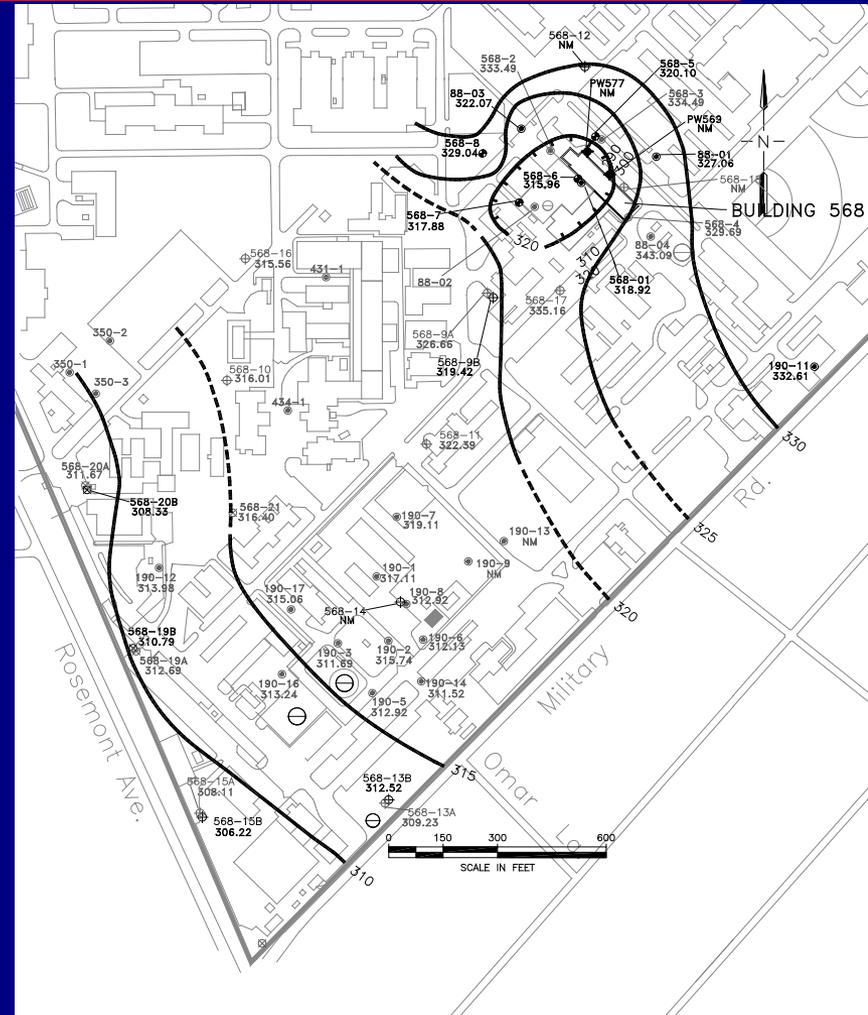


US Army Corps  
of Engineers  
Baltimore District

# Area A Deep Groundwater Contours – March 2005

Virtually the same deep groundwater flow conditions as observed  
in September 2004.

Drawdown still apparent near Building 568.



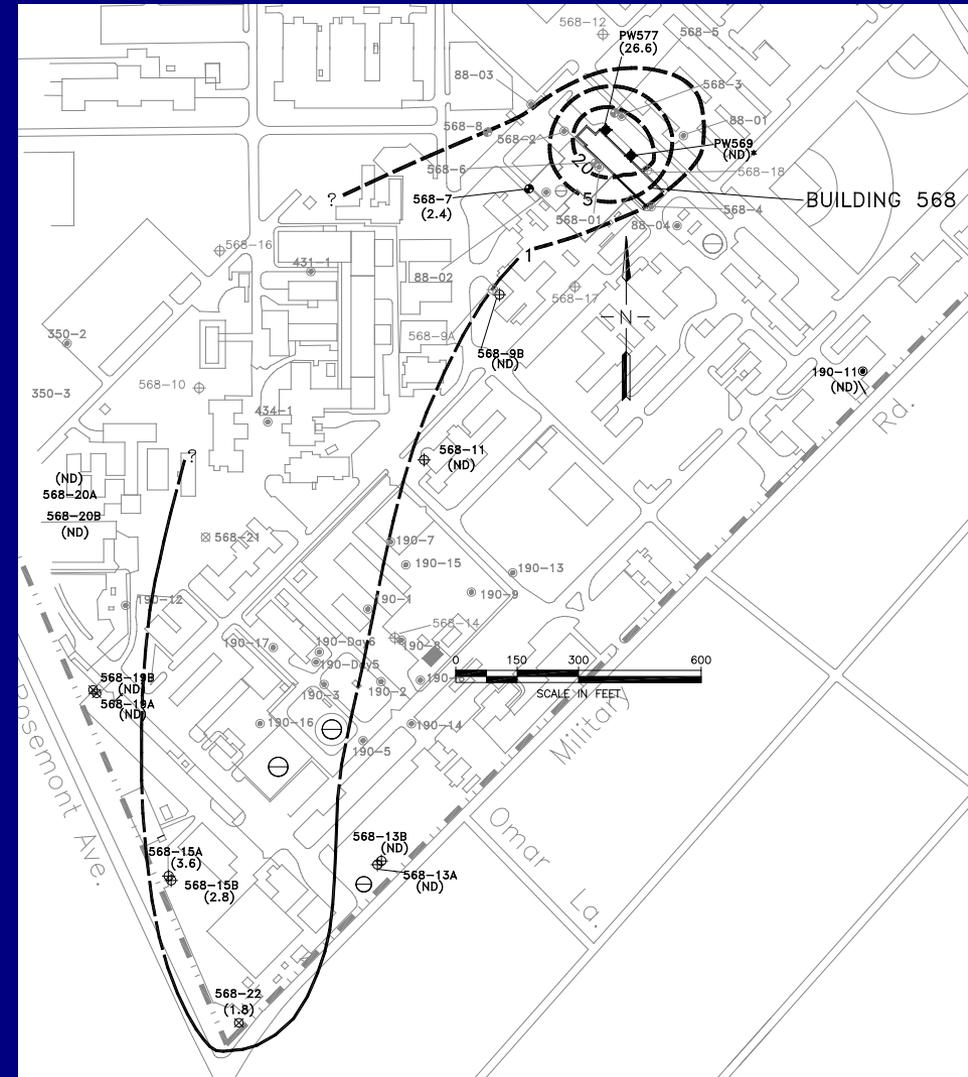


# Area A – TCE Plume

## March 2005

US Army Corps  
of Engineers  
Baltimore District

- TCE was detected above the MCL of 5  $\mu\text{g/L}$  only one extraction wells (26.6  $\mu\text{g/l}$ ).
- The distribution of contamination is virtually unchanged since LTGM commenced in 2002.
- The extraction wells continue to depress groundwater in the TCE release area, even with the reduced extraction rates that began in February 2003.
- TCE is still below the MCL downgradient of Building 568, and at the property boundary as required.





**US Army Corps  
of Engineers**  
Baltimore District

# Fort Detrick RI/FS

## Area B Update

---

### DOCUMENTS COMPLETED

	Completion Date
Engineering Evaluation/Cost Analysis (EECA) Area B-11 Chemical Waste Disposal Pits	(Feb 00)
EECA (Proposed Plan)	(May 00)
EECA (Decision Document)	(July 00)
Public Involvement and Response Plan	(July 00)
Chemical Oxidation Bench-Scale Test Work Plan	(Oct 00)
Photographic Analysis (USEPA EPIC Study)	(Mar 01)
Chemical Oxidation Bench-Scale Test Report (Final)	(July 01)
Area B Background and B-20 North Follow-On Work Plan	(Nov 02)
Area B Background Study Report	(April 04)
Area B-11 Close-Out Report	(Sep 04)
Area B- Grid, Skeet, Ammo, B-20 North Work Plans	(Dec 2004)
Area B-1 Site Close-Out Document	March 2005

### DOCUMENTS PENDING

	Estimated Completion Date
Area B- Grid, Skeet, Ammo, B-20 North Data Report/Closeout Doc.*	October 2005

\* Area B-Skeet requires additional work (detail on next slide)



US Army Corps  
of Engineers  
Baltimore District

# Fort Detrick RI/FS

## Area B Update

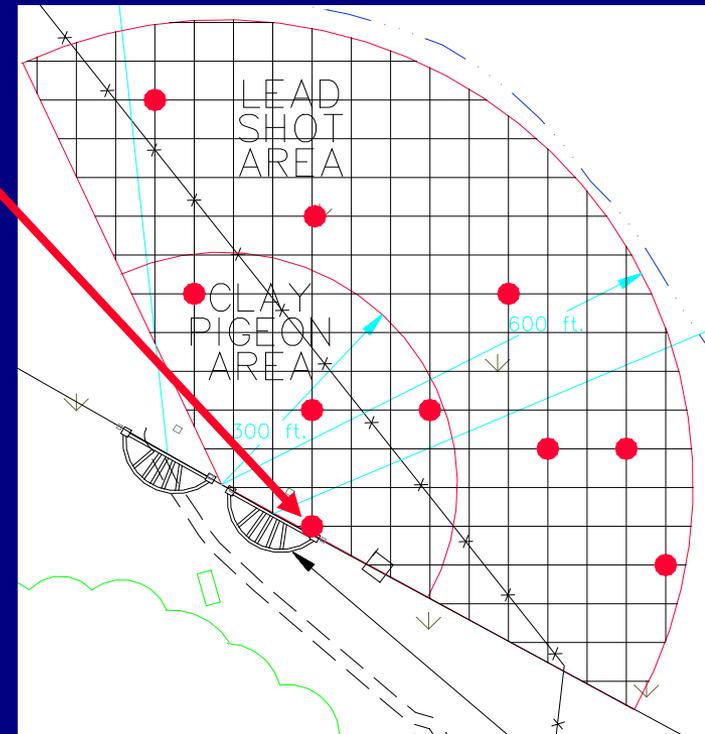
### COMPLETED TASKS SINCE LAST MEETING

March 2005 Groundwater Quarterly Sampling

### PLANNED TASKS

Area B-Skeet Clay Pigeon Removal – And Confirmation Testing

Elevated levels of semivolatile organic compounds were observed at one location where clay-pigeon debris was also noted. Fort Detrick has decided to remove additional clay pigeon debris and perform confirmation sampling prior to close-out of B-Skeet.



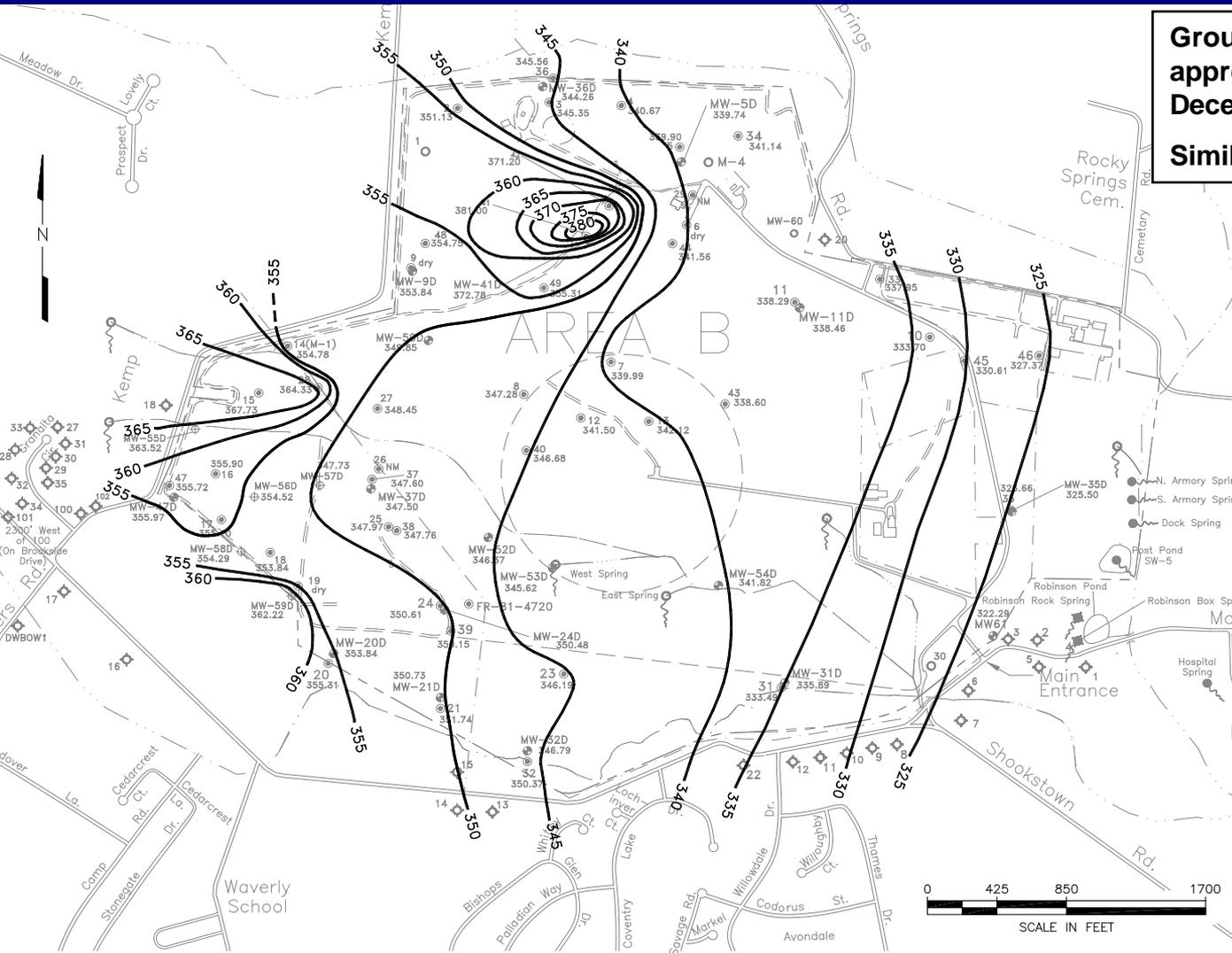


US Army Corps  
of Engineers  
Baltimore District

# Area B Water Levels March 2005

Groundwater elevations  
approximately 5 feet higher than  
December 2004.

Similar flow conditions.



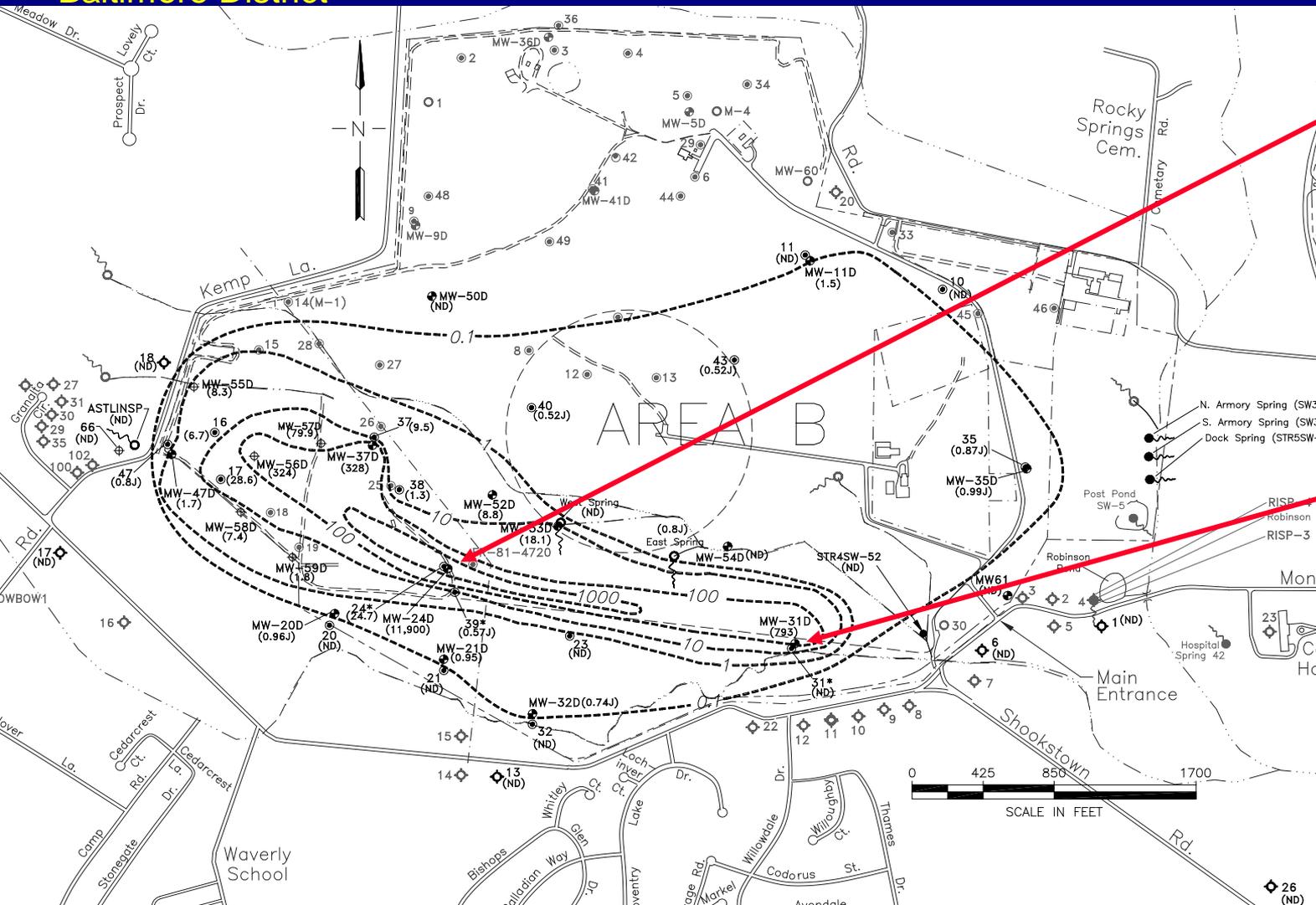




# Area B PCE Concentrations

## March 2005

US Army Corps  
of Engineers  
Baltimore District



Interior sampling indicates center of mass of PCE plume apparently moved to location 24D.

Concentrations of PCE at perimeter of plume generally equivalent to recent sampling with the exception of well 31D that was up about 500 ug/L.



US Army Corps  
of Engineers  
Baltimore District

# Area C Update

- Final RI has been submitted.
- Feasibility Study, Proposed Plan and Decision Documents have been funded.
- Draft Final FS to be distributed to RAB this evening.
- Final FS **June 2005** (will be placed in Administrative record)
- Proposed Plan to be issued after RAB review of FS.
- 30-Day comment period after Proposed Plan is made available.

