

**US Army Corps
of Engineers
Baltimore District**

Fort Detrick Installation Restoration Program

**Restoration Advisory Board Meeting
7 December 2004 7:30 PM
Fort Detrick, Frederick, Maryland**



Fort Detrick Area A LTM Update

US Army Corps
of Engineers
Baltimore District

Pending Schedule:

Semi-Annual Sampling Report (Sept 04 Sampling)
Semi-Annual Sampling (5th round)

Estimated Completion Date

March 05
March 05

Items Completed:

Area A Long-Term Monitoring (LTM) Plan
Area A LTM Sampling (1st round)
Area A LTM Sampling (2nd round)
Semi-Annual Sampling Report (May 02 Sampling)
Area A LTM Sampling (3rd round)
Semi-Annual Sampling Report (June 03 Sampling)
Final Area A LTM Sampling Report (May 03 Sampling)
Final Area A LTM Sampling Report (Oct 03 Sampling)
Award Area A LTM (1 Year of Sampling)
Area A LTM Sampling (4th round)

Completed Date

April 02
May 02
June 03
November 02
October 03
November 03
December 03
April 04
May 04
September 04



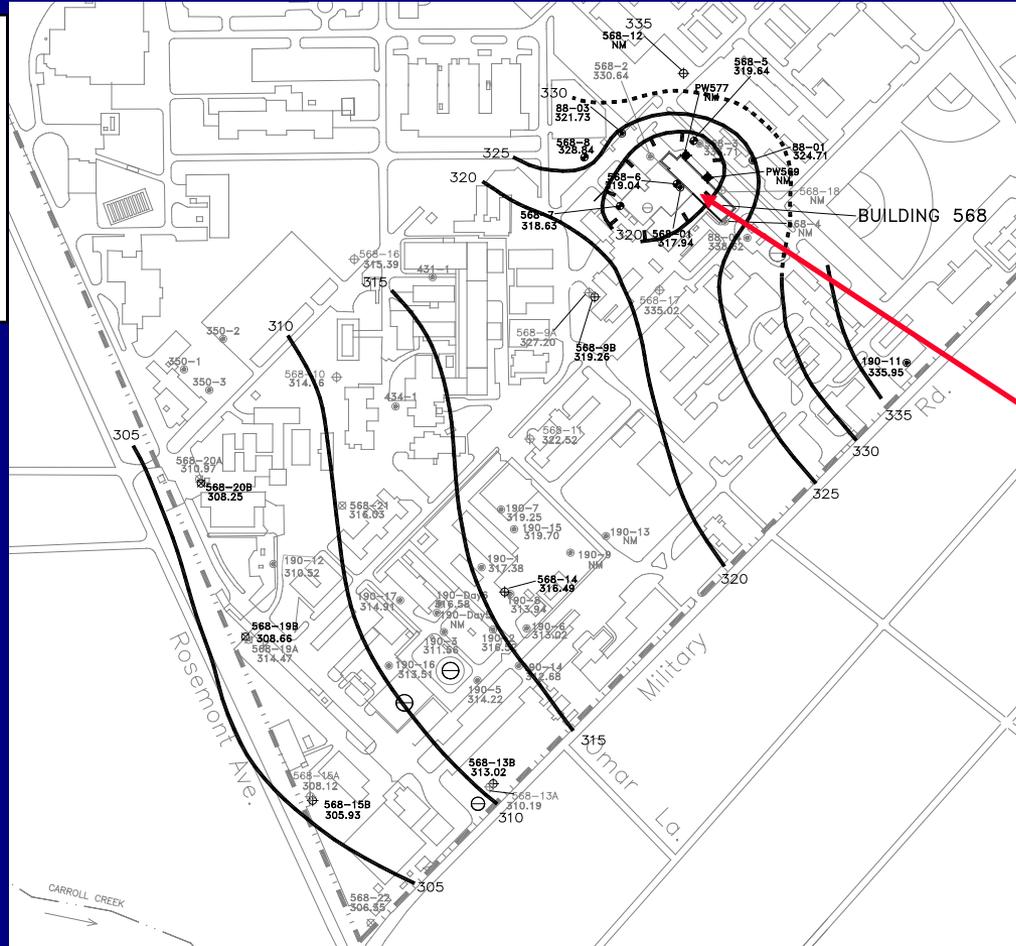
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Area A Deep Water Levels

September 2004

Deep water levels
show flow to south-
southwest.

Drawdown evident
around Building 568
where pumping is
occurring.



Building 568
(pumping in this area)



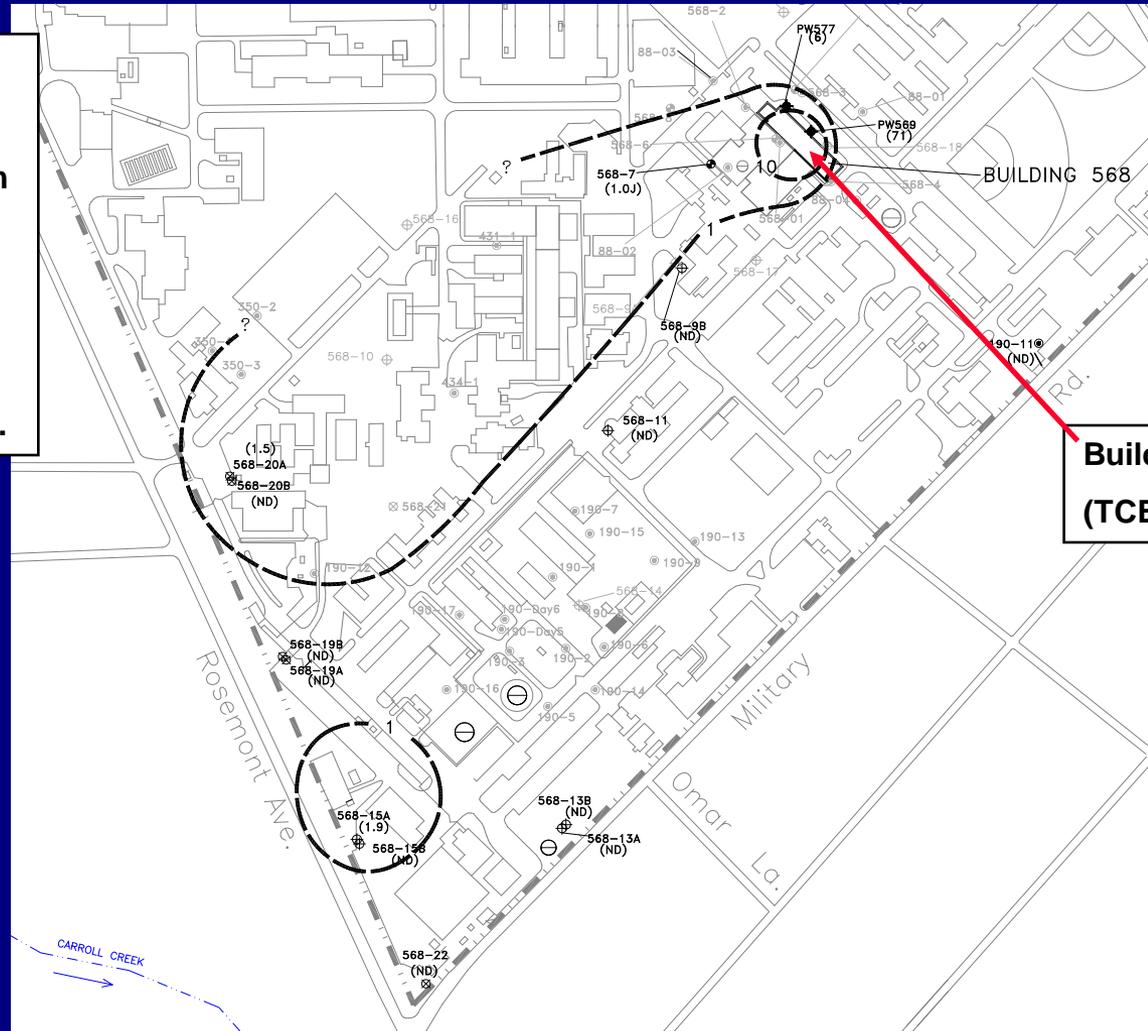
Area A TCE Concentrations

US Army Corps
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Baltimore District

September 2004

Extraction wells are the only wells with concentrations exceeding Maximum Contaminant Levels (MCLs).

Downgradient wells and property boundary wells remain below MCLs.



Building 568
(TCE source area)



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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)

DOCUMENTS PENDING

	Estimated Completion Date
Area B-1 Site Close-Out Document	December 2004
Area B- Grid, Skeet, Ammo, B-20 North Work Plans	December 2004
Area B Phase III RI Work Plan	February 2005
Area B- Grid, Skeet, Ammo, B-20 North Data Report	September 2005
Area B- Grid, Skeet, Ammo, B-20 North Site Close-Out Documents	January 2006



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Area B Update

Completed and Planned Field Activities

COMPLETED TASKS SINCE LAST MEETING

Geophysical Survey of Area B-20 North

PLANNED TASKS

Quarterly Groundwater Monitoring – December 2004

Soil Sampling Area B-20 North, B-Grid, B-Ammo, B-Skeet - December 2004

Quarterly Groundwater Monitoring – March 2005

Quarterly Groundwater Monitoring – June 2005

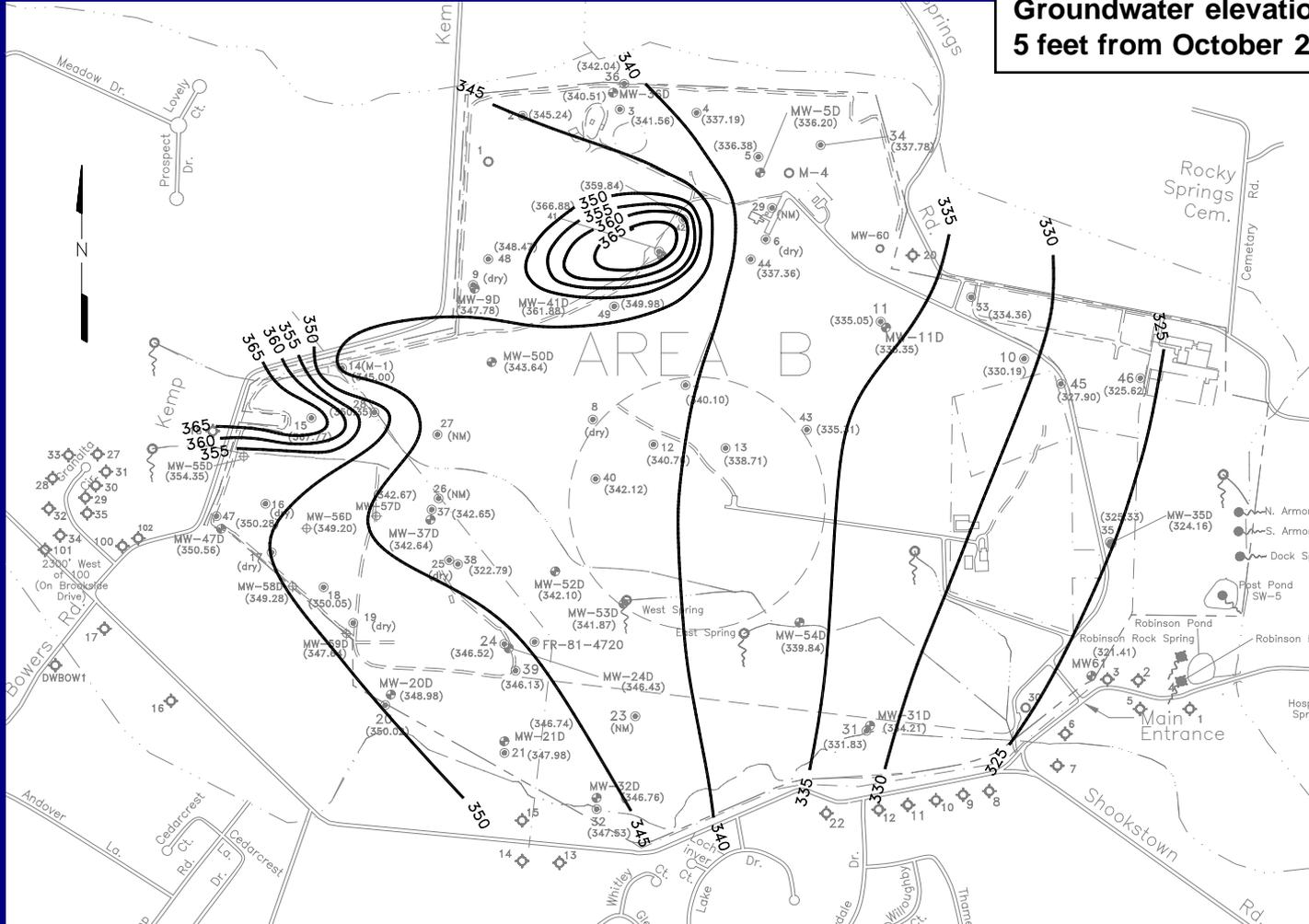


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Area B Water Levels

September 2004

Groundwater elevations lost about
5 feet from October 2003.

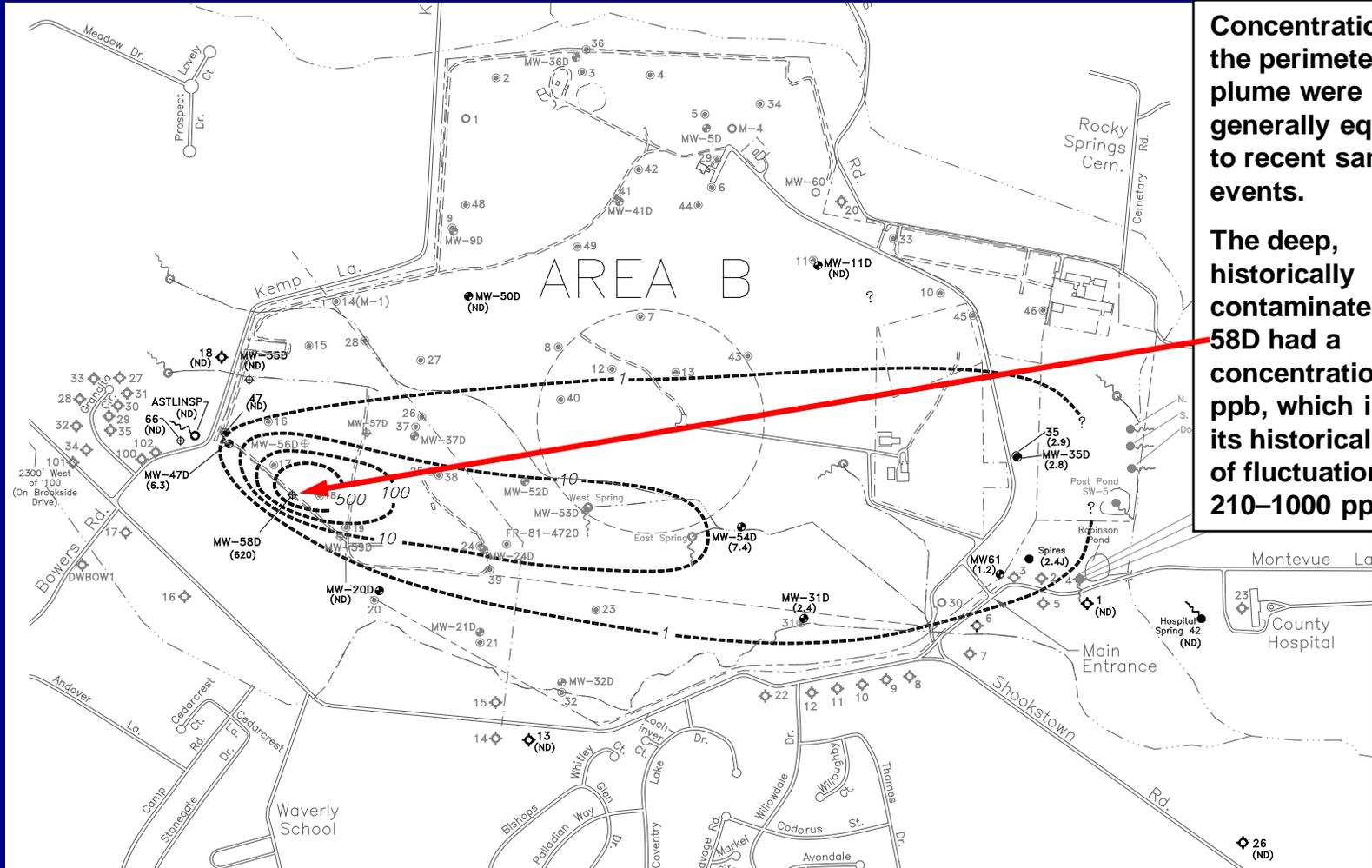




Area B TCE Concentrations

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September 2004



Concentrations on the perimeter of the plume were generally equivalent to recent sampling events.

The deep, historically contaminated well 58D had a concentration of 620 ppb, which is within its historical range of fluctuation from 210–1000 ppb.



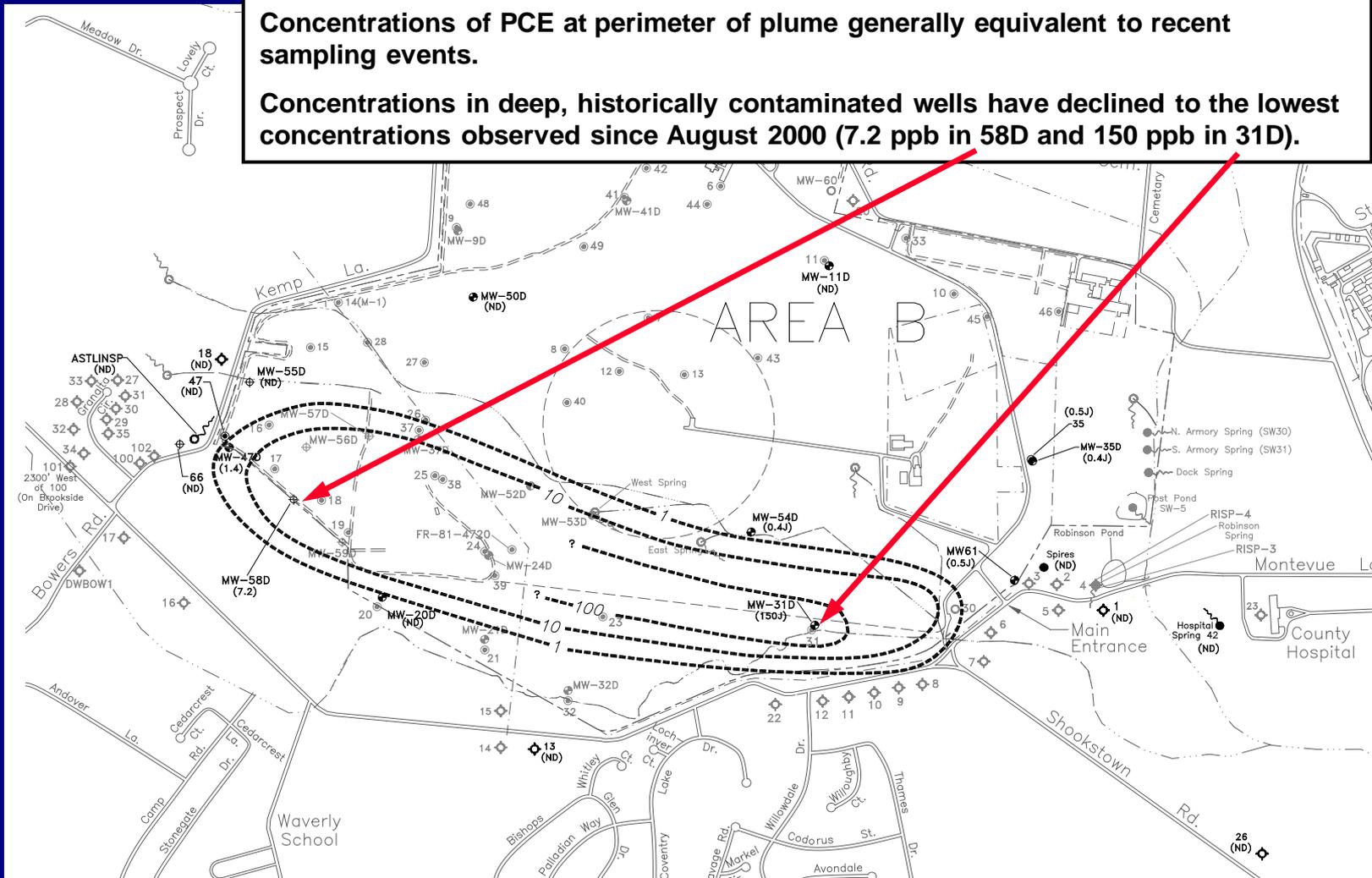
Area B PCE Concentrations

US Army Corps
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Baltimore District

September 2004

Concentrations of PCE at perimeter of plume generally equivalent to recent sampling events.

Concentrations in deep, historically contaminated wells have declined to the lowest concentrations observed since August 2000 (7.2 ppb in 58D and 150 ppb in 31D).





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Area C Update

- Final RI has been submitted.
- Feasibility Study, Proposed Plan and Decision Documents have been funded.
- FS is currently being completed.
- Draft Final FS available in March 2005
- Final FS April 2005

