



Fort Detrick Remedial Investigation/Feasibility Study

Status Update

Fort Detrick Restoration Advisory Board Meeting
16 August 2007
Fort Detrick, Maryland



Status Update Discussion

- **Area A Long-Term Monitoring**
CERCLA Five Year Review for Building 568 TCE Spill Site
- **Area B Former Disposal Sites Schedule Update**
- **Proposed Plan and Public Comment Period**
Area B-2
Five Sites (B-Ammo, B-20 North, B-20 South, B-Grid, B-Skeet)
- **Area B Groundwater**



Area A Long-Term Monitoring



Area A

Long-Term Monitoring

- **Building 568 TCE Spill Site**
 - Remedy for the site was “Plume Containment using Groundwater Extraction and Monitoring”
 - CERCLA Five-Year Review is currently under development to evaluate the selected remedy to ensure that it continues to be effective and protective
 - Primary issue of concern is increasing concentrations in border well 568-15A to slightly above Federal MCL
 - The Army expects to present the results to MDE in the September 2007 timeframe

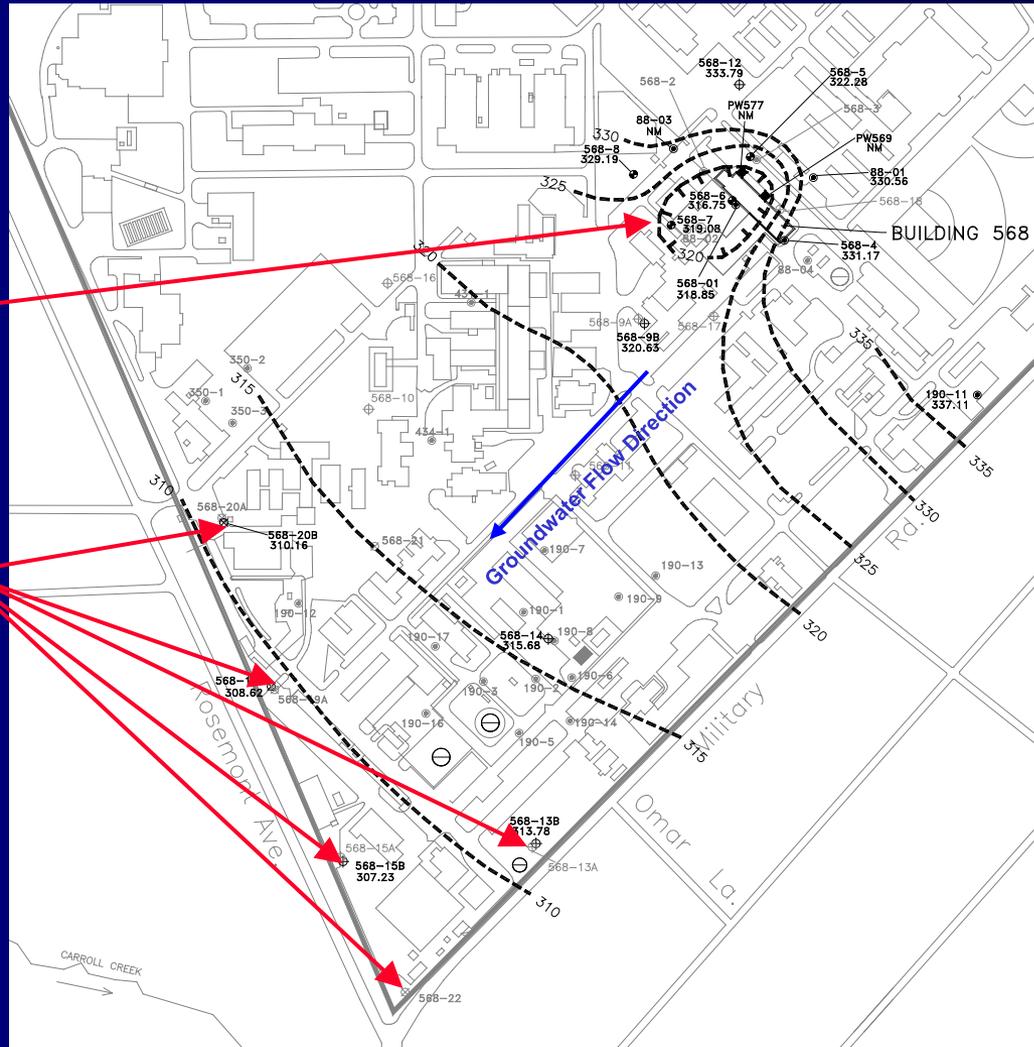


Area A Groundwater Contours September 2006

Groundwater generally flows to the southwest at the site.

Pumping of groundwater creates a cone of depression to reduce contaminant migration.

Border wells monitor to verify no offsite migration above Federal MCL





Building 568 TCE Concentrations March 2006

TCE Concentrations over the majority of the site continue to decline, especially in the source area:

PW569

May 95 – 800 µg/L

May 02 – 130 µg/L

Sep 06 – 11 µg/L

Mar 07 – 7.2 µg/L

Increases observed in southern portion of site.

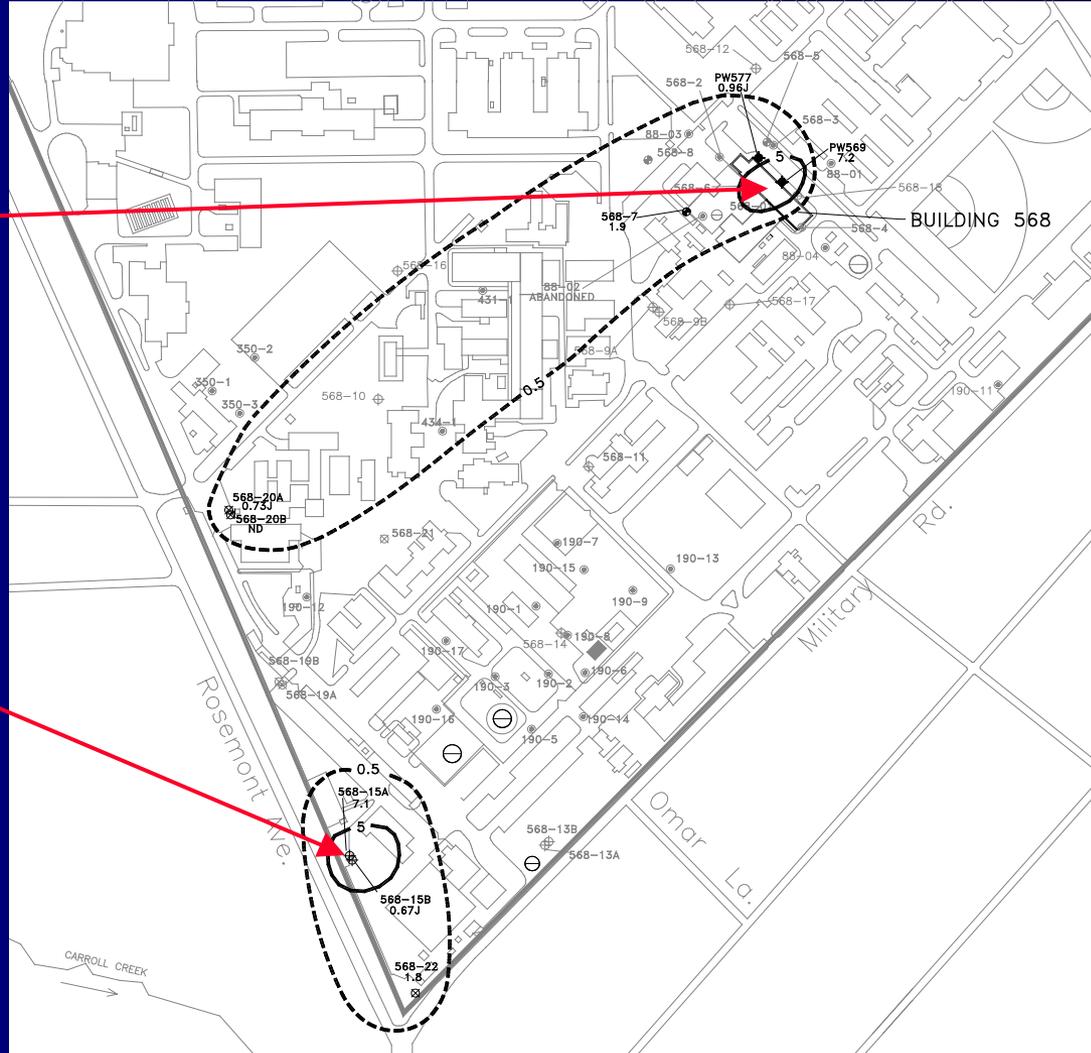
568-15A

Mar 06 – 3.8 µg/L

Sep 06 – 5.8 µg/L

Mar 07 – 7.1 µg/L

The MCL for TCE is 5 µg/L. Potential other source and/or corrective actions considered in 5-Year Review.

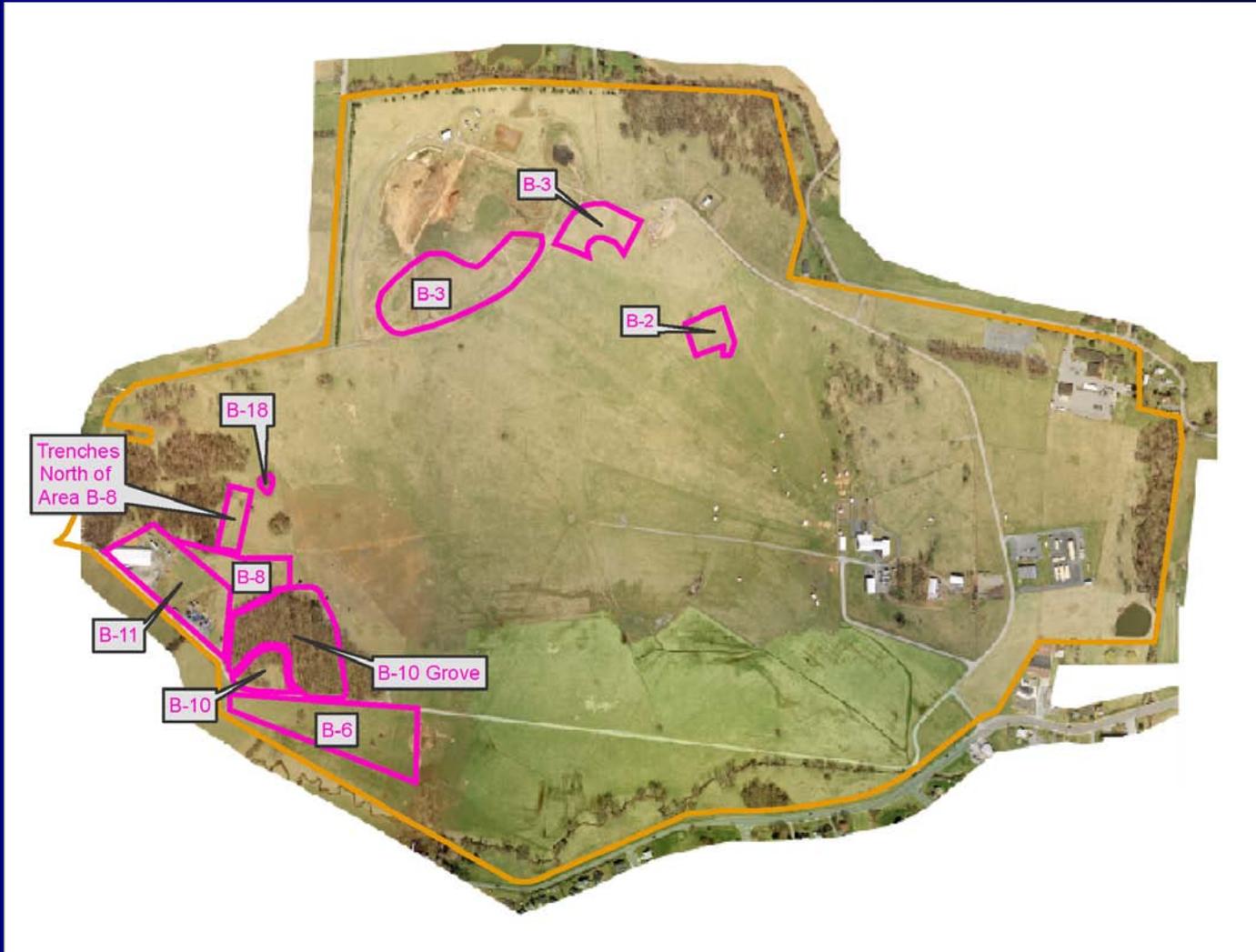




Area B Former Disposal Sites



Area B Former Disposal Sites





Remedial Strategy for Area B Former Disposal Sites

- Utilize EPA Presumptive Remedy
- Comply with current Code of Maryland Regulation 26.04.07.21 for Sanitary Landfill Closure as a relevant and appropriate requirement



Area B Former Disposal Site Schedule

Site	RI/FS	Proposed Plan	Decision Document	Remedial Design	Construction
B-2	Finalized Oct 2006	Aug/Sep 2007	Sep 2007	Fall/Winter 2007	Spring/Summer 2008
B-3 Inactive	Fall 2007	Fall 2007	Fall/Winter 2007		
B-6	Finalized Feb 2007				
B-8	Awaiting comments from MDE. Final RI/FS projected for Fall 2007				
Trenches North of B-8					
B-10/B-10 Grove					
B-11					
B-18	Further investigation to occur in Summer/Fall 2007 to assess whether buried waste is present.				



Proposed Plan and Public Comment Period for Area B-2 and Area B Five Sites



Area B Five Sites

Proposed Plan to be finalized in August 2007

No unacceptable risks to human health and the environment were identified

Proposed Plan selects No Action as the final remedy

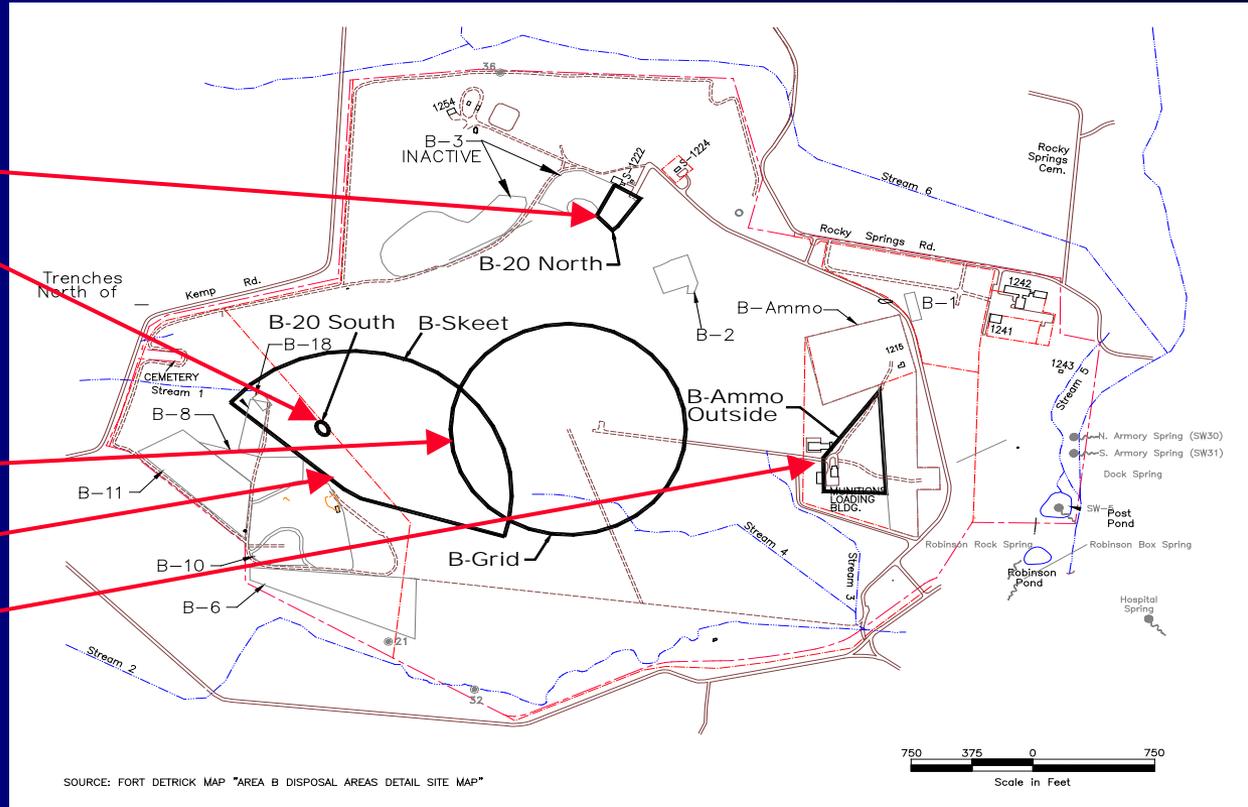
B-20 North

B-20 South

B-Grid

B-Skeet

B-Ammo





Public Comment Period

- Public Comment Period

- Runs for 30 Days from 20 August through 20 September 2007*
- Comments to be submitted in writing

- Public Meeting

- To be held at 7:00 on 28 August 2007*
- Thomas Johnson High School, Frederick, Maryland

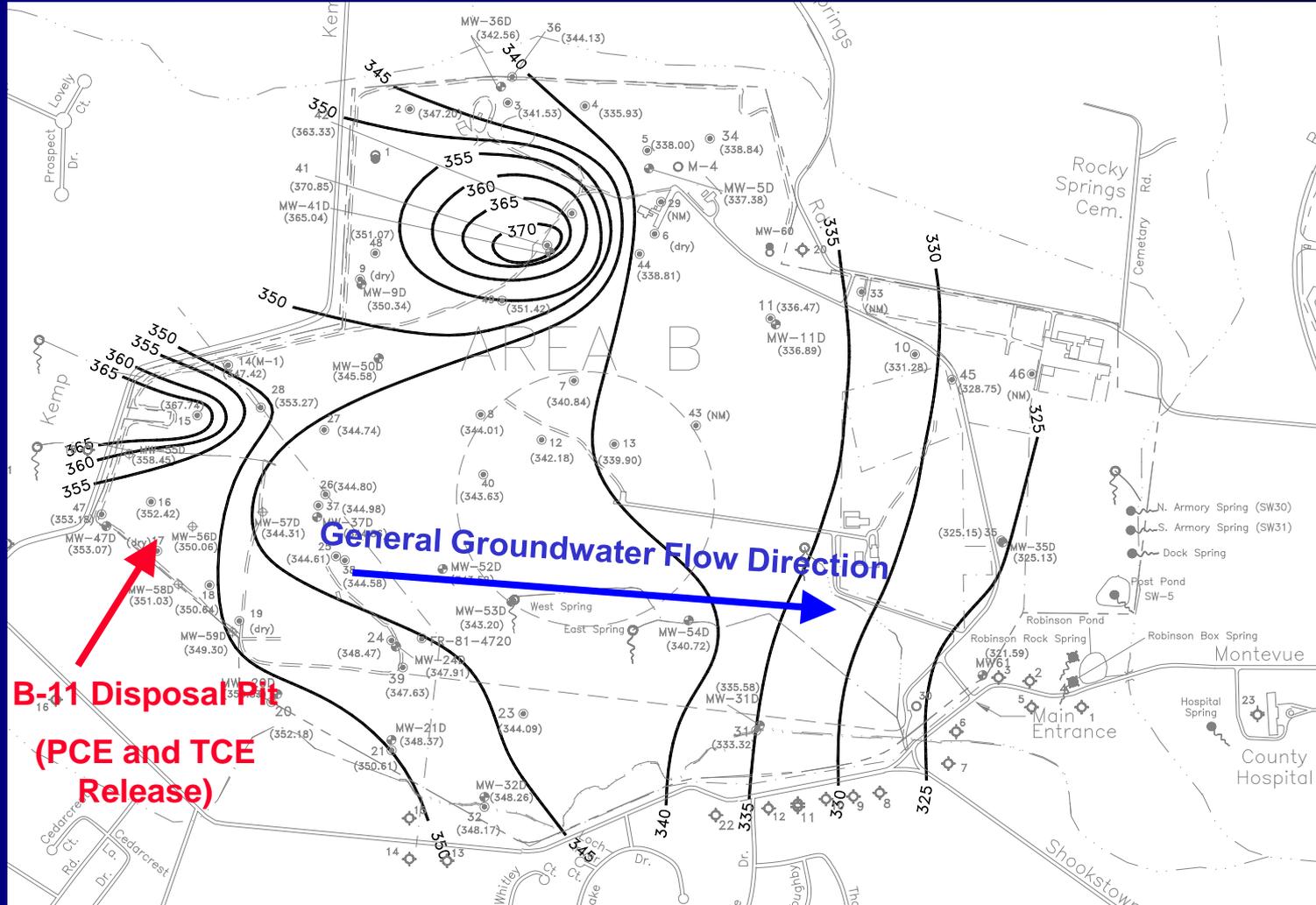
* Dates subject to change based on reviews/approvals of Proposed Plans



Area B Groundwater



Area B Groundwater Monitoring July 2007 Sampling





Area B Groundwater RI/FS Path Forward

- MDE is concerned that the nature and extent of contamination has not been sufficiently defined
- Army is currently developing a groundwater technical memorandum to present to MDE
- Army and MDE will meet to discuss plan for next step of path forward based on technical memorandum