



# Fort Detrick Remedial Investigation/Feasibility Study PBC Contract Update

Fort Detrick Restoration Advisory Board Meeting  
30 March 2005  
Fort Detrick, Maryland



# Work In Progress/Completed

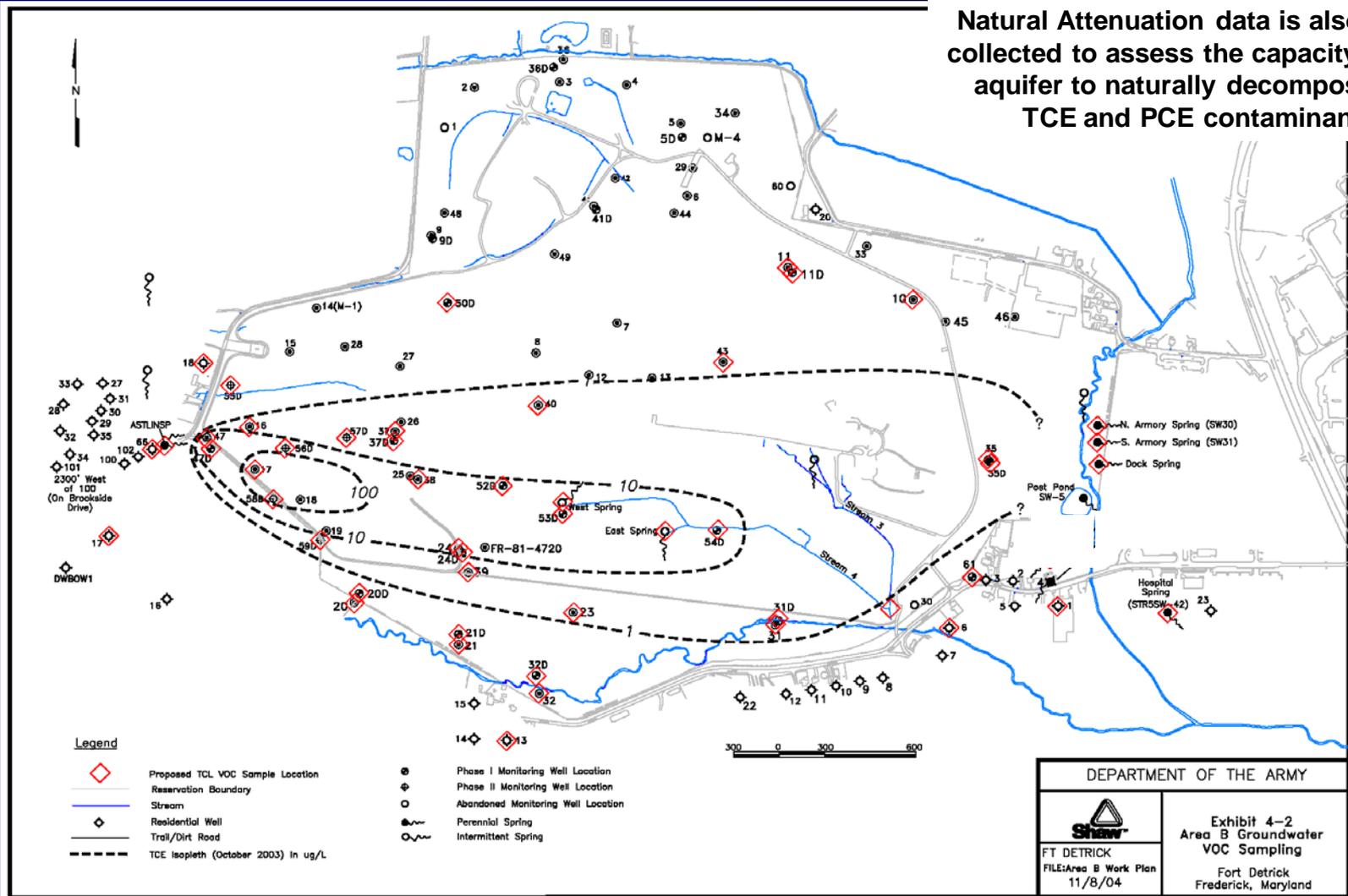
- **Shaw is currently sampling wells and surface water in Area B to complete RI Data Set**
- **Objective is to complete the RI by the end of 2005**
- **Polyethylene Diffusion Bag Sampling Pilot testing is being performed to determine whether this method of sampling is appropriate for long-term monitoring at Fort Detrick**
- **Area B Phase III RI Work Plan was completed in (Jan 2005)**





# VOC Sampling Locations/March 2005 Sampling

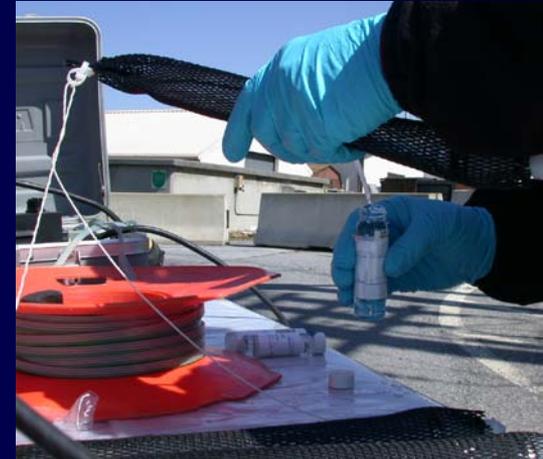
Natural Attenuation data is also being collected to assess the capacity for the aquifer to naturally decompose the TCE and PCE contaminants





# Diffusion Bag Sampling

- Polyethylene Diffusion bags (PDBs) have been shown to be an accurate sampling method for many volatile organic chemicals, including TCE and PCE that are found in Areas A and B.
- PDBs are filled with deionized organic-free water and deployed in a well for a minimum of two weeks.
- While deployed contaminants in the water diffuse through the polyethylene and reach equilibrium
- After two weeks the PDBs are removed and samples drawn.
- New bags can then be deployed
- Saves time and money since pumps and generators are not required.



Sampling from PDBs



Removal of PDB from Well – a protective sheath is over bag.





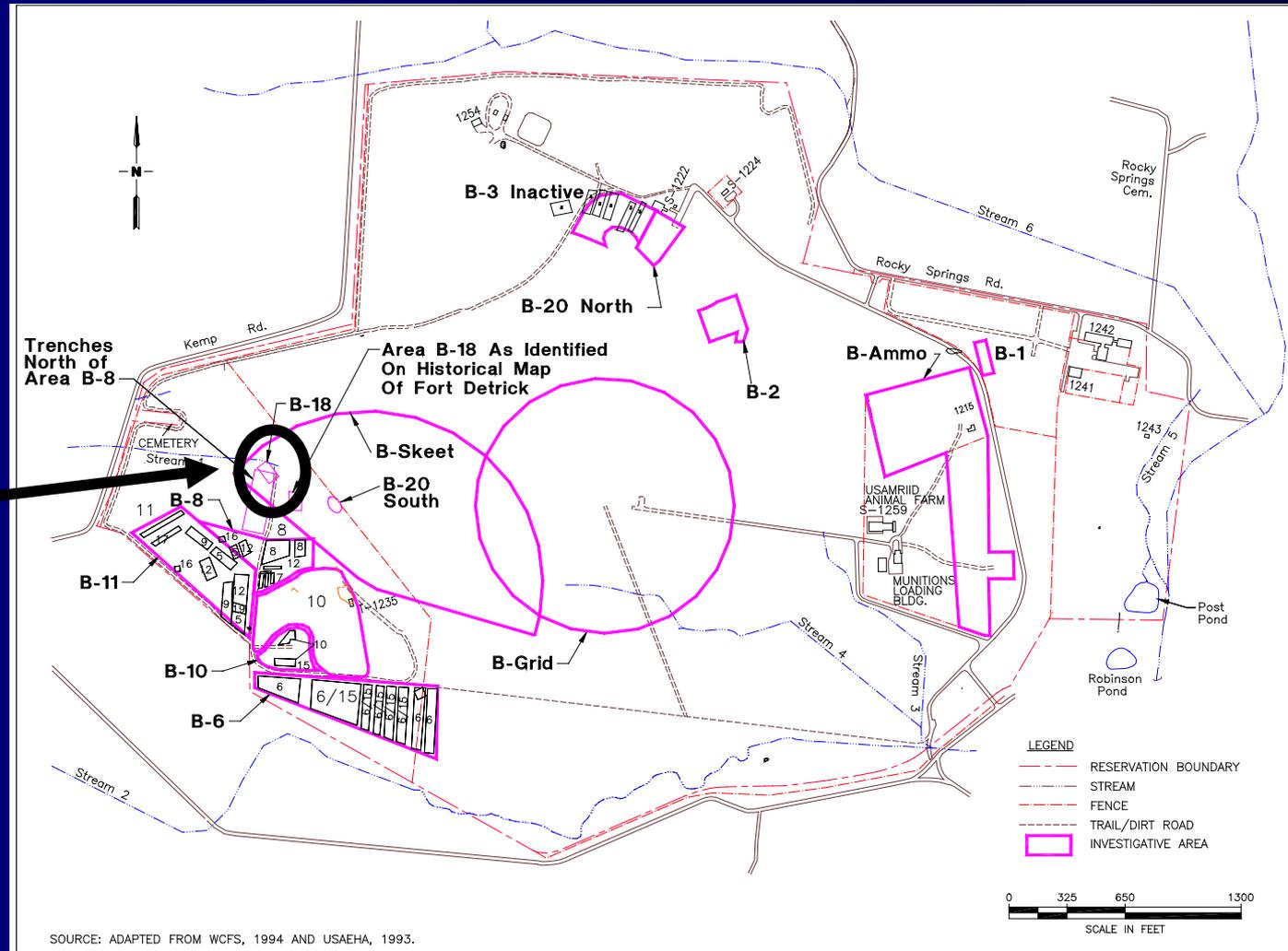
# Area B-18

Area B-18 is located in the western portion of Area B

The area was originally noted as being the oldest deposal area in Area B

Location has been suspect since 1995 borings performed in the area revealed no waste

**OLD B-18 Study Area**





# Area B-18

**For the PBC contract the area has been moved to a sinkhole in Area B where there is a disappearing stream**





# Area B-18



View of B-18 to Northeast



Stream that sinks at Area B-18



Debris Found in Area B-18

Debris consisting of a door, signs, metal, concrete and a bottle were observed in the area

The Partnering team is determining appropriate next steps for this site



# Planned Schedule/Major Items

<b>Item</b>	<b>Projected Complete</b>
<b>Disposal Areas (RI)</b>	<b>December 2005</b>
<b>Disposal Areas (FS)</b>	<b>August 2006</b>
<b>Disposal Areas (Proposed Plan)</b>	<b>February 2007</b>
<b>Disposal Areas (Decision Document)</b>	<b>April 2007</b>
<b>Disposal Areas Remedial Action</b>	<b>February 2008</b>
<b>Groundwater RI/FS</b>	<b>March 2007</b>
<b>Groundwater (Proposed Plan)</b>	<b>October 2007</b>
<b>Groundwater (Decision Document)</b>	<b>March 2007</b>
<b>Groundwater Remedial Action</b>	<b>End of Contract</b>

**All dates dependent on selected remedial alternatives**

**Approvals are required by Army and Regulators and are subject to Public comment.**

