

Fort Detrick, Maryland

Off-Post Private Well Investigation and
Associated Activities



Restoration Advisory Board Meeting
14 November 2012

Imagine the result

PIKA
INTERNATIONAL, INC.

ARCADIS MALCOLM PIRNIE

Off-Post Private Well Investigation Study Basis

- To document known and potentially unknown drinking-water wells in use surrounding Fort Detrick's Area B in a comprehensive report.
- To expand Fort Detrick's current drinking-water well sampling program and to compile all data into a comprehensive data set.
- To verify that the volatile organic compounds (i.e., PCE and TCE) emanating from Area B have not affected drinking-water wells in the surrounding community.

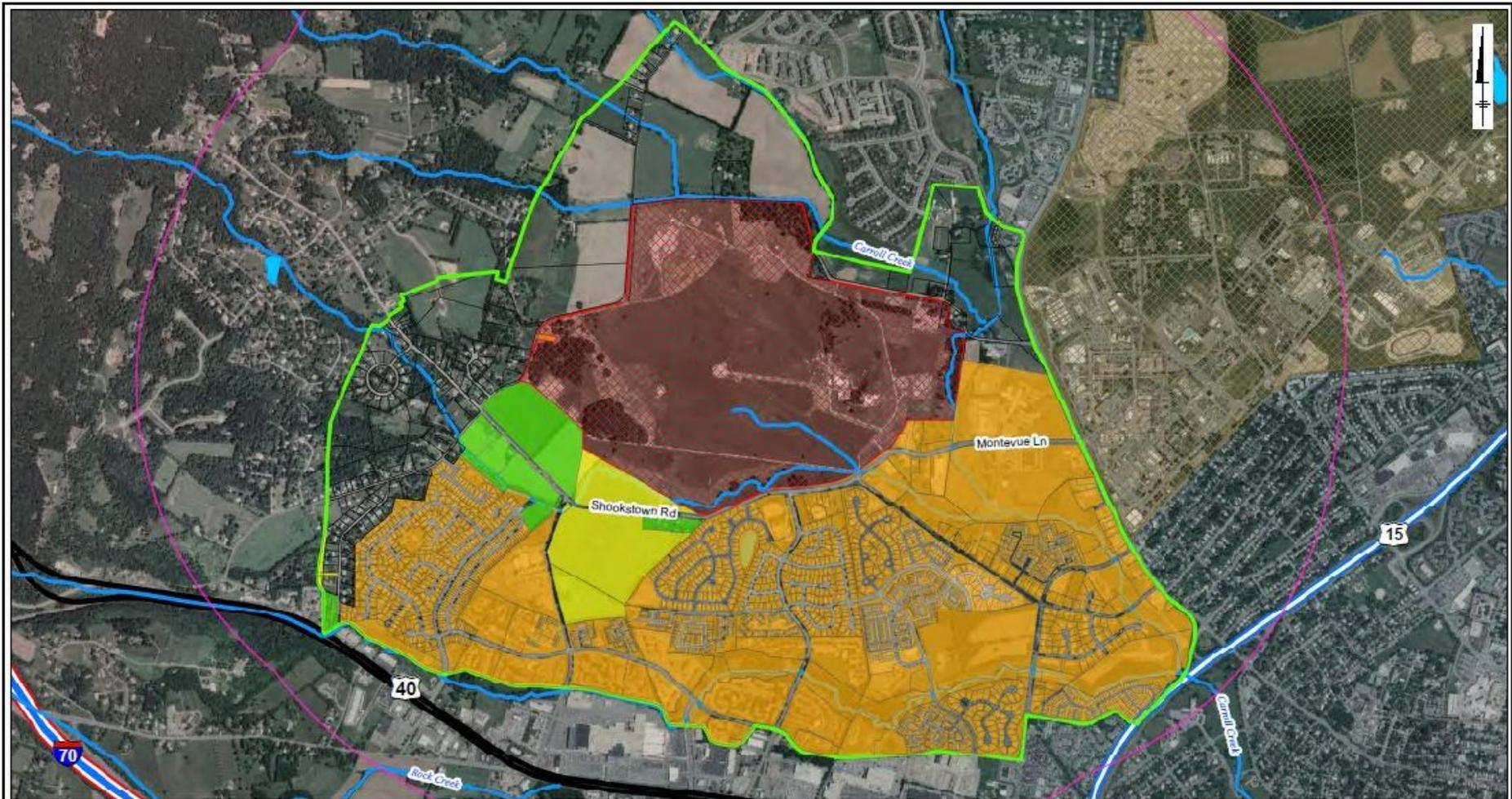
Off-Post Private Well Investigation Summary of Project Scope

- Drinking-Water Well Identification and Associated Activities
 - Public outreach (mailings, newspaper, meetings, and in person)
 - Identify/verify drinking-water wells through research
 - Sample drinking-water wells and analyze for Volatile Organic Compounds
 - Report results

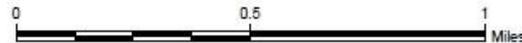
Off-Post Private Well Investigation Study Area

- Approximately 1,368 acres surrounding Area B based primarily on groundwater flow direction.
- Approximately 2,522 Parcels Identified in the Study Area.
 - Approximately 149 parcels outside of public water service area.
 - Verified the drinking-water source for parcels in the City of Frederick through research.

Study Area



Legend		
Investigation Boundary	Surface Water	Public Water Service Record
Area B - 1-Mile Radius	Lake or Pond	NPS - No Planned Service
Fort Detrick Boundaries	Streams	W-1 - Connected
Area A Boundary	Roadways	W-3 DEV - 1-3 Years
Area B Boundary	Interstate Hwy	W-4 DEV - 4-6 Years
	US Hwy	W-5 DEV - 7-10 Years
	Major Road	Planned Service 11-20 Years



Fort Detrick
Frederick, MD

**Off-Post Private Well Investigation
Study Area**

INTERNATIONAL, INC. Advanced Water Assessment Services **FIGURE 1**

Off-Post Private Well Investigation Timeline for Project Activities Completed

- Mailing:
 - 1st September 28th project announcement
 - 2nd October 24th three letter types sent to residents with and without public water

- Initial Public Information Session: October 16th

- Door-to-Door Survey:
 - November 5th-9th in areas not supplied by public water.
 - 135 residents visited, and
 - 79 residents agreed to participate.