

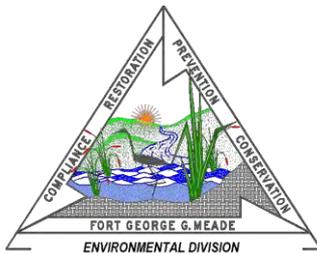


Fort George. G Meade



Nevada Avenue Groundwater Update & Report Status Update

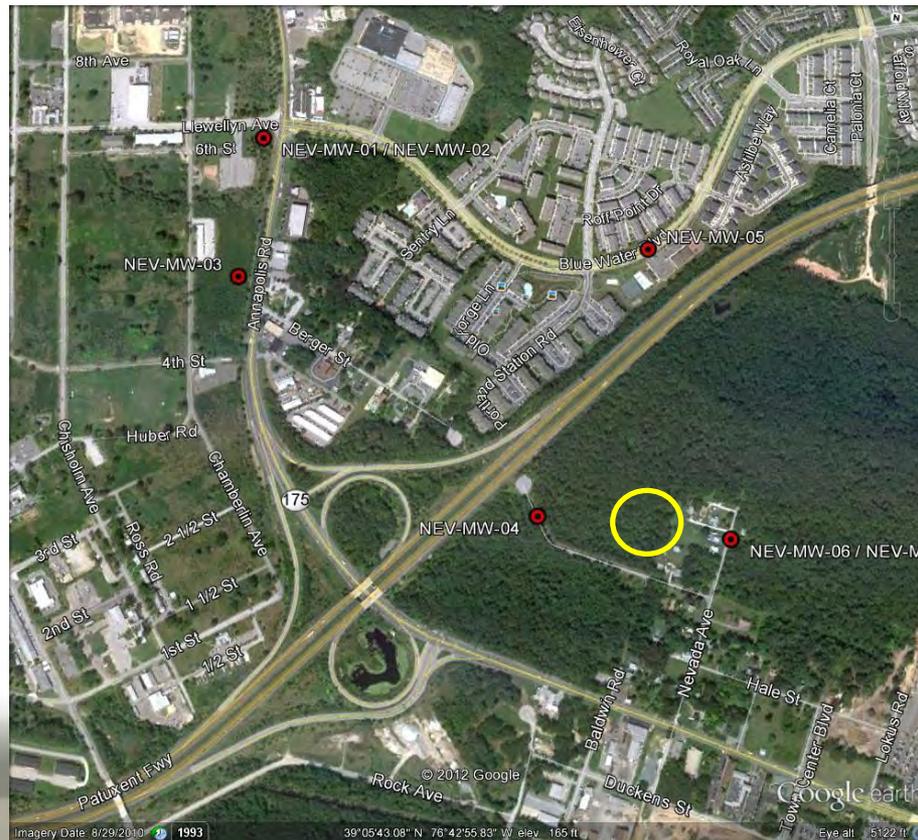
Restoration Advisory Board Meeting July 21, 2016



ARMY STRONG.™



Nevada Avenue Off-Post Groundwater Investigation





Nevada Avenue Monthly Sampling - Interim Results

(last 11 samples)



Month	<i>Dichloroethene</i> (MCL - 70 µg/L)		<i>Tetrachloroethene</i> (MCL - 5 µg/L)		<i>Trichloroethene</i> (MCL - 5 µg/L)	
	Detections / Samples	Range (µg/L)	Detections / Samples	Range (µg/L)	Detections / Samples	Range (µg/L)
Mar 15	2/3	0.43J - 0.44J	3/3	1.0 – 1.3	0/3	ND
Apr 15	2/2	0.38J – 0.47J	2/2	1.2 – 1.5	0/3	ND
May 15	2/3	0.4J – 0.41J	3/3	1.2 – 1.4	0/3	ND
Jun 15	1/2	0.5J	2/2	1.1 – 1.2	0/2	ND
Jul 15	1/2	0.43J	2/2	1.2 – 1.4	0/2	ND
Aug 15	2/2	0.35J – 0.40J	2/2	1.1 – 1.3	0/2	ND
Sep 15	0/2	ND	2/2	1.3 – 1.4	0/2	ND
Oct 15	0/2	ND	2/2	1.0 – 1.2	0/2	ND
Nov 15	2/2	0.34J – 0.39J	2/2	0.98 – 1.1	0/2	ND
Feb 16	0/2	ND	2/2	0.98 – 1.1	0/2	ND
May 16	0/2	ND	2/2	0.84 – 1.0	0/2	ND

MCL = Maximum Contaminant Level

µg/L = micrograms per liter

ND = Indicates contaminant not detected above the MDL

Data Qualifiers: J= estimated concentration below the method detection limit (MDL)

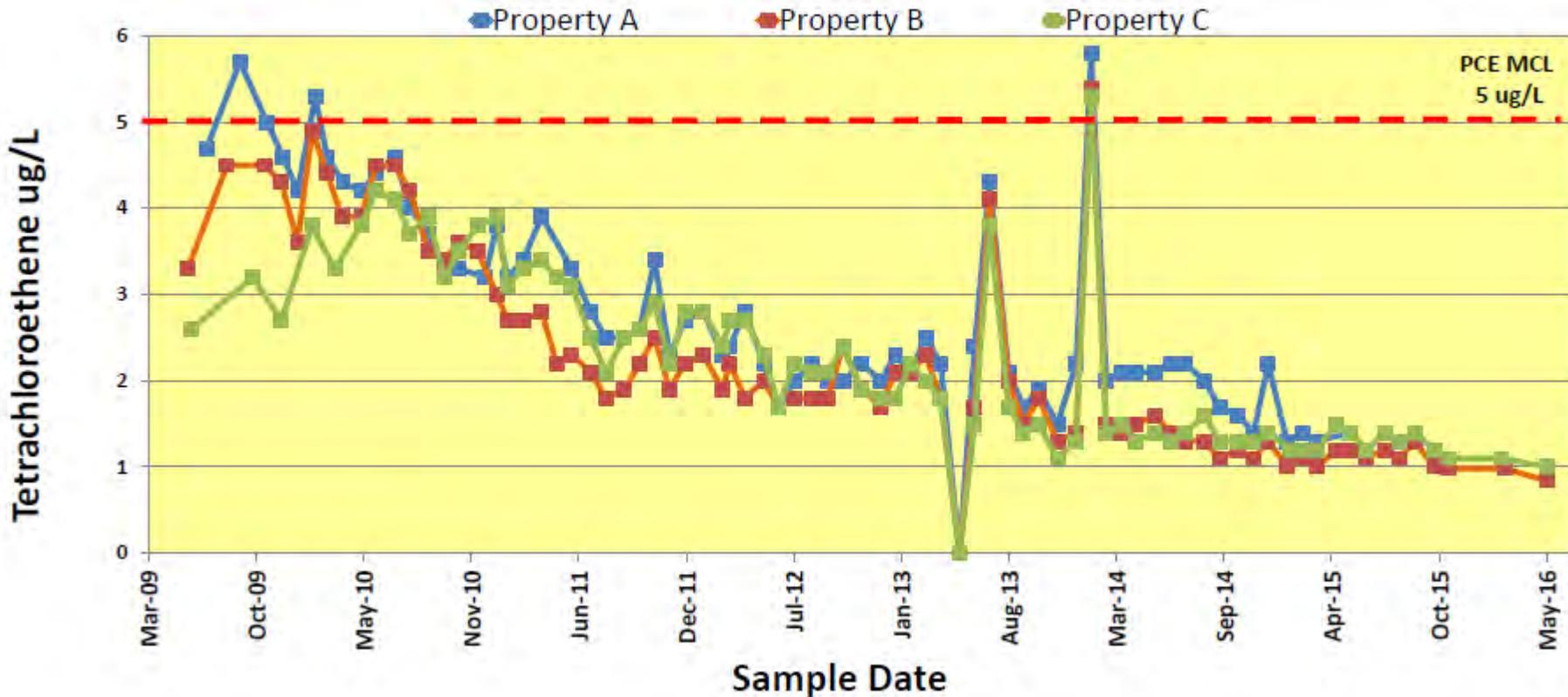
***Data not validated**

BOLD SHADED = MCL exceeded





Summary of Nevada Avenue Monthly Sampling Results – Tetrachloroethene (PCE)





Investigation Next Steps



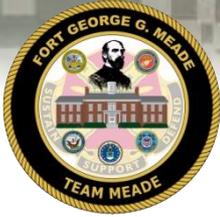
IMCOM
SOLDIERS • FAMILIES • CIVILIANS

- Army sampling of Nevada Ave private wells continues
 - Collected 10 May 2016
 - Reduced frequency to quarterly approved by EPA & MDE
 - Next sampling August 2016
 - Will re-evaluate if results change
- Property A not sampled due to spigot malfunction. Will be sampled in August.
- Bottled water under contract, one year with two option years.
- Additional investigations recommended to determine if FGGM is source of Nevada Ave COCs. Upgradient potential source areas included in current contracts.



Report Status





Recent Reports

- Site Management Plan (Draft, June)
- Active-IRP Five Year Reviews (Draft, June)
 - Former Pesticide Shop
 - Former Mortar Range





Recent Reports, cont.



ERMA 1, CB&I:

- OU-3 / OU-5 Baseline GW Sampling Work Plan (Draft, June)

ERMA 2, ARCADIS / PIKA:

- QAPP Addendum (Draft, June)
- Field Modification Memo (Final, June)

MAES, AECOM:

- UFP QAPP (Draft, May)
- Cell 3 RI Work Plan (QAPP Addendum #4) (Draft, June)
- AOC Remedial Design Work Plan (QAPP Addendum #3) (Draft Final, July)



Under Development



ERMA 1, CB&I:

- UFP-QAPP
- OU-1 Feasibility Study
- OU-3 Data Gap Investigation Work Plan
- OU-5 Data Gap Investigation Work Plan

ERMA 2, ARCADIS / PIKA:

- OU-4, Manor View, & Pesticide Shop QTR2 sampling results

MAES, AECOM:

- CSL Proposed Plan
- Cell 3 Site Activities Report

General:

- Community Involvement Plan (CIP)
- Land Use Control Implementation Plan (LUCIP)



Points of Contact

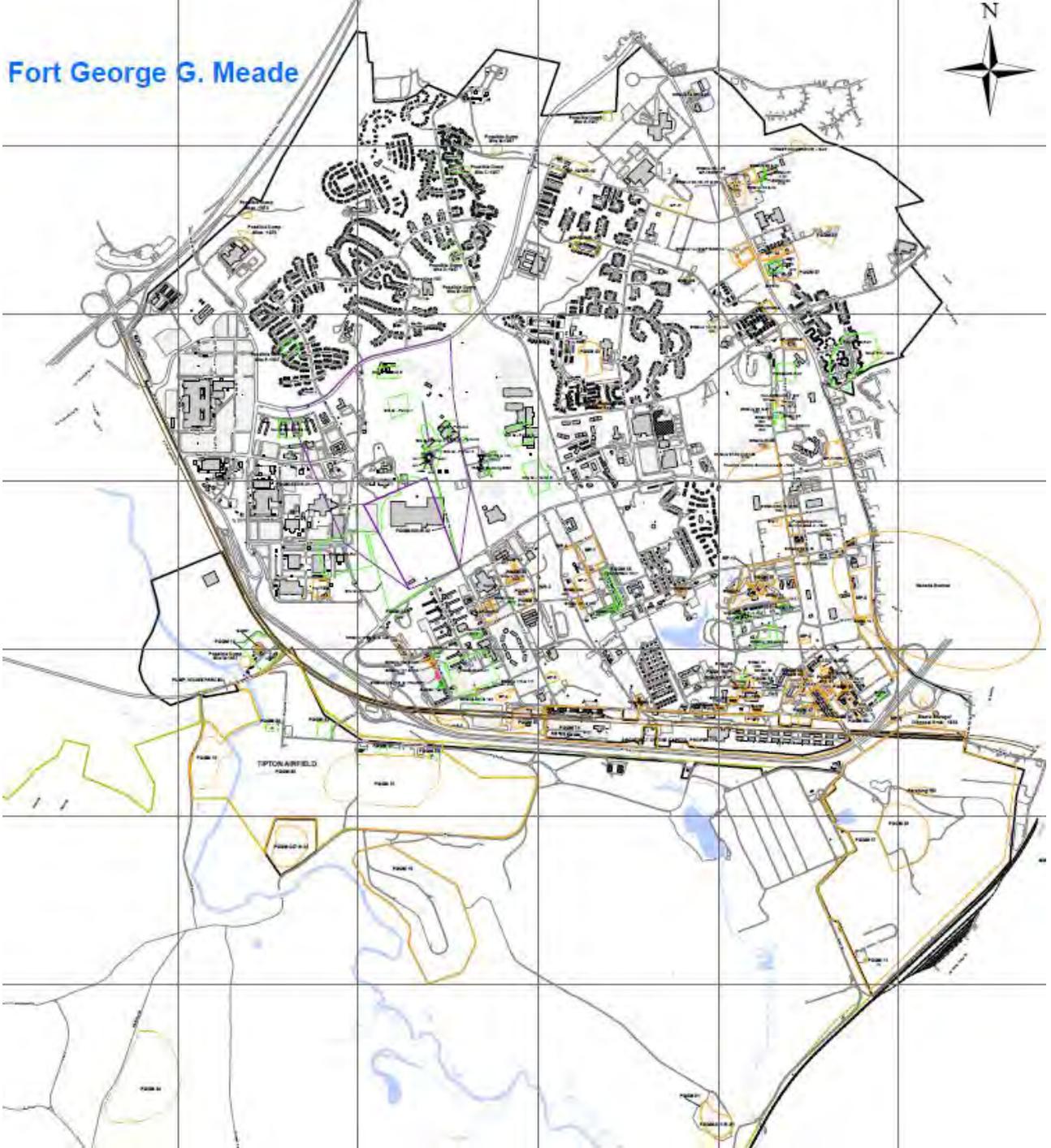


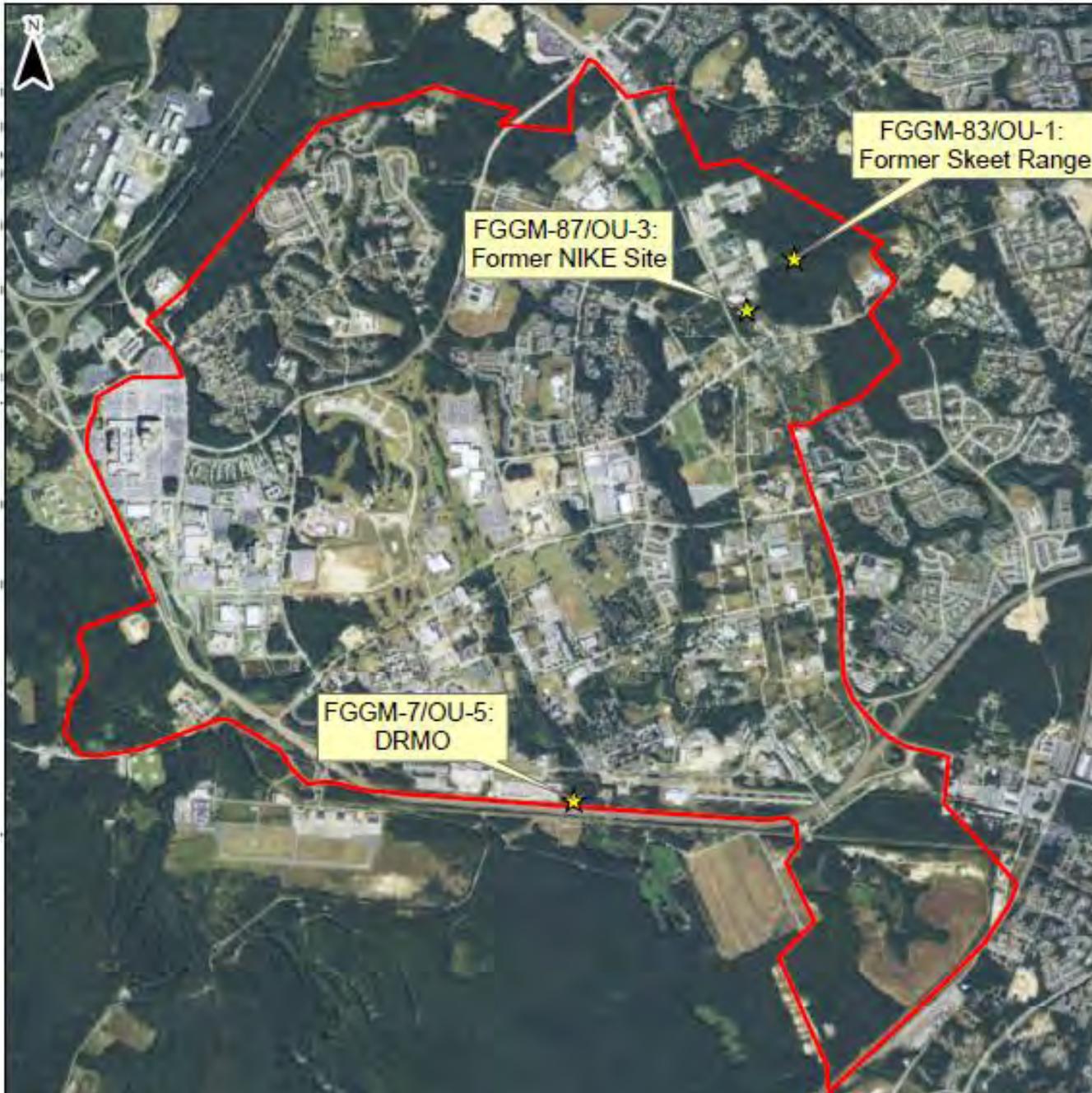
**U.S. Army Garrison Fort George G. Meade
Directorate of Public Works-Environmental Division
4216 Roberts Ave, Suite 5115
Fort Meade, Maryland 20755-7068**

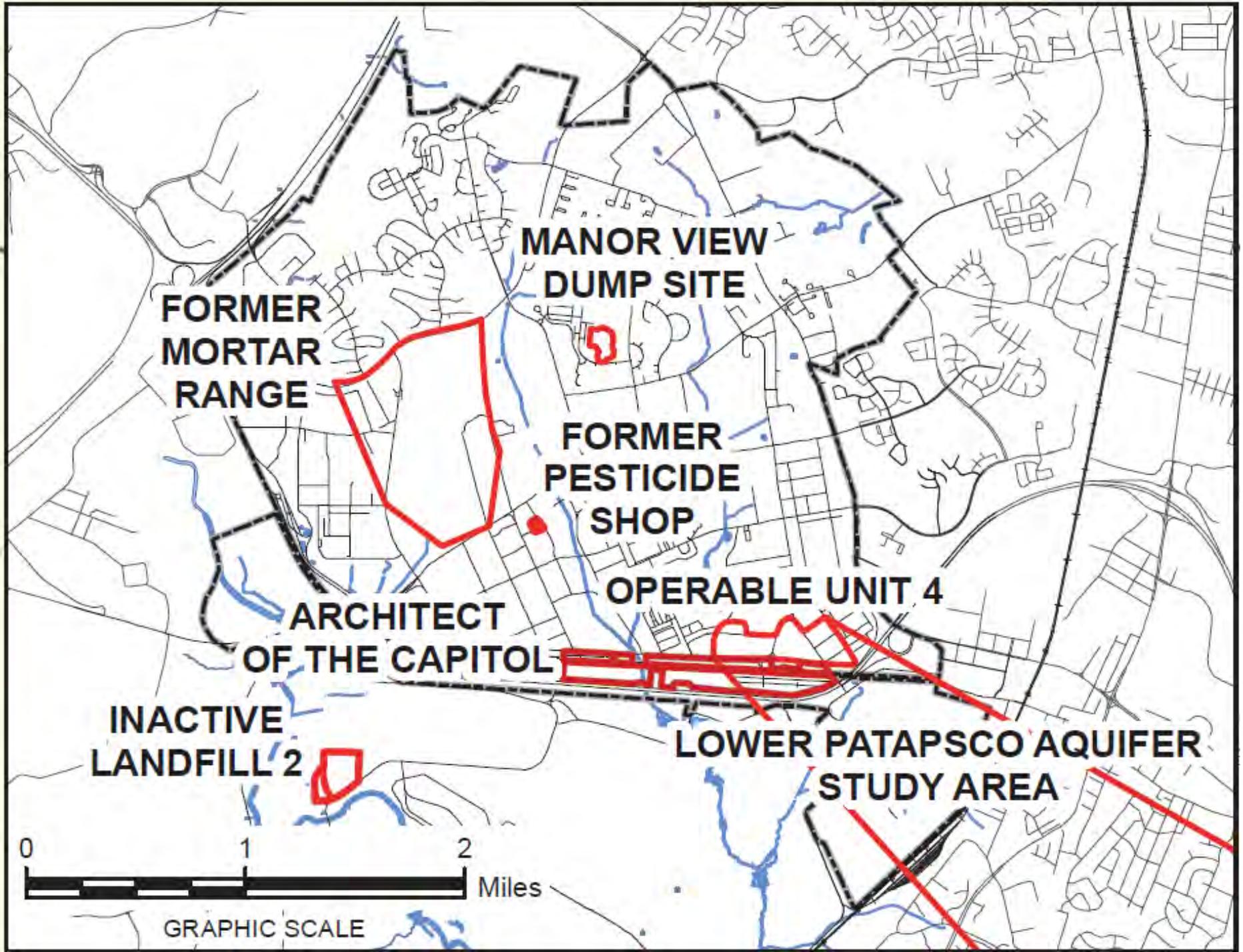
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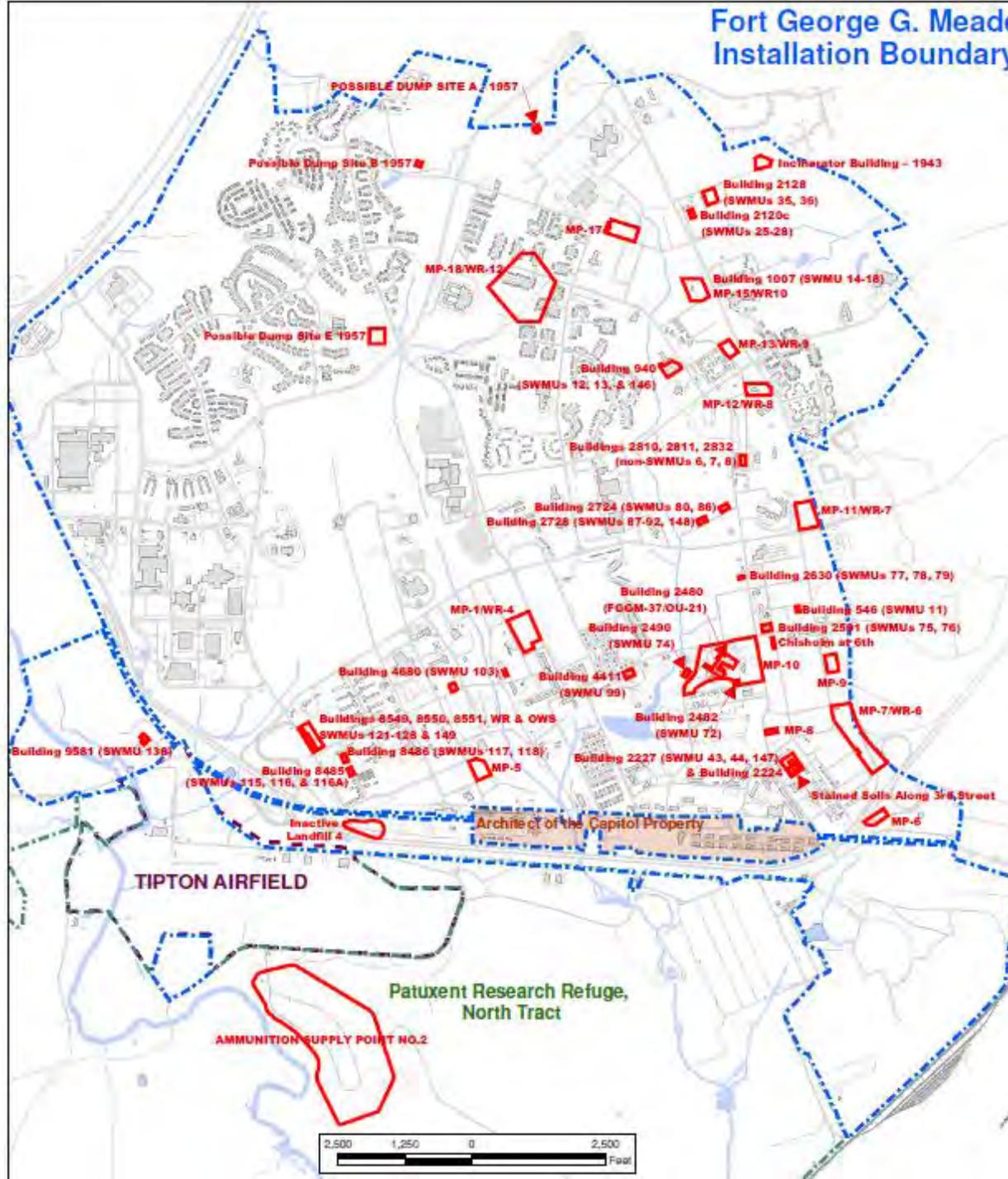
Fort George G. Meade

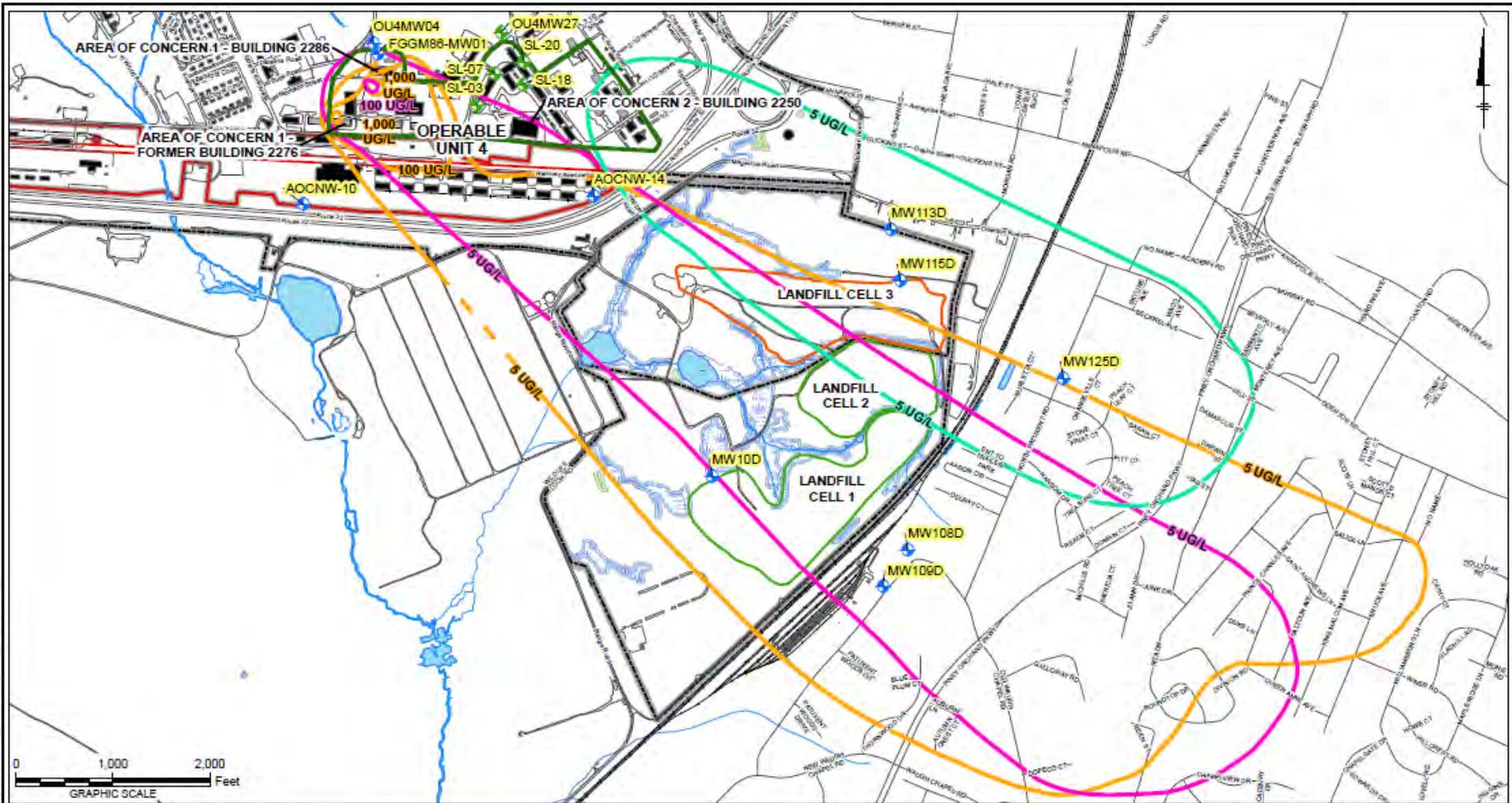






Fort George G. Meade Installation Boundary





LEGEND:

MIDDLE PATAPSCO AQUIFER WELL	OPERABLE UNIT 4 BOUNDARY	SURFACE WATER	ISOLATED WETLAND (MDE)	CCl4 CONTOUR (UG/L)
LOWER PATAPSCO AQUIFER WELL	LANDFILL CELL BOUNDARY	ARCHITECT OF THE CAPITOL PROPERTY BOUNDARY	ISOLATED WETLAND BOUNDARY (25 FT MDE)	PCE CONTOUR (UG/L)
RAILROAD	CELL 3 INFERRED BOUNDARY	INSTALLATION BOUNDARY	JURISDICTIONAL WETLANDS & WATERS OF THE UNITED STATES	TCE CONTOUR (UG/L)
ROADS	DEMOLISHED STRUCTURES		C2M RIPARIAN & WETLAND BUFFER (25 FT)	
STREAM	EXISTING STRUCTURES			

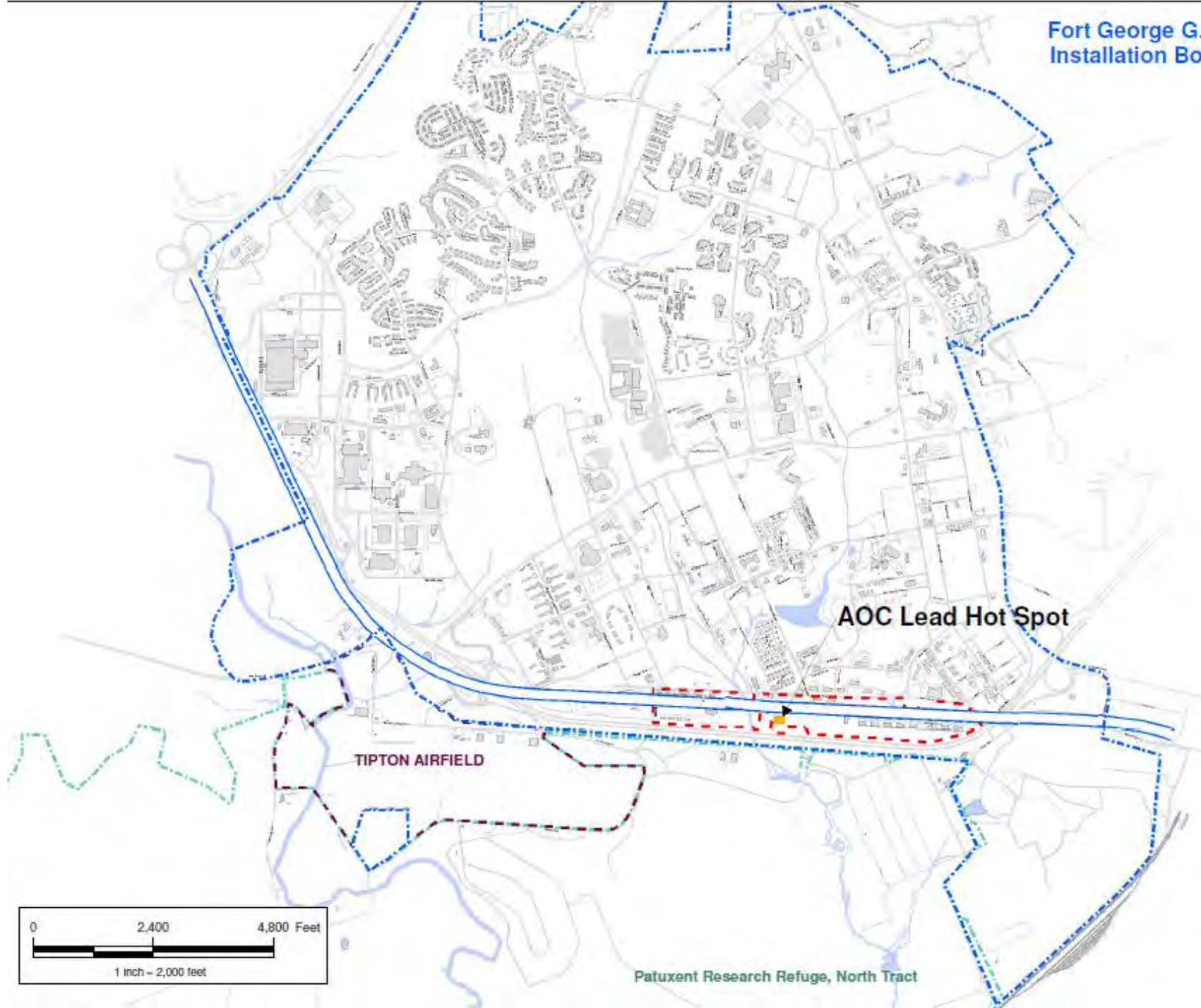
OPERABLE UNIT 4, LOWER PATAPSCO AQUIFER STUDY AREA
FORT MEADE, MARYLAND

**GENERALIZED OU-4 SOURCE AREAS AND
DOWNGRAIENT LPA PLUME LOCATION**

ARCADIS | **FIGURE
WS#11-6**

NOTE:
HIGHLIGHTED WELLS ARE INCLUDED IN THE OU-4/LPA SUPPLEMENTAL SAMPLING PROGRAM.

Fort George G. Meade
Installation Boundary



AOC Lead Hot Spot

TIPTON AIRFIELD

Patuxent Research Refuge, North Tract

