Soil Sampling Results

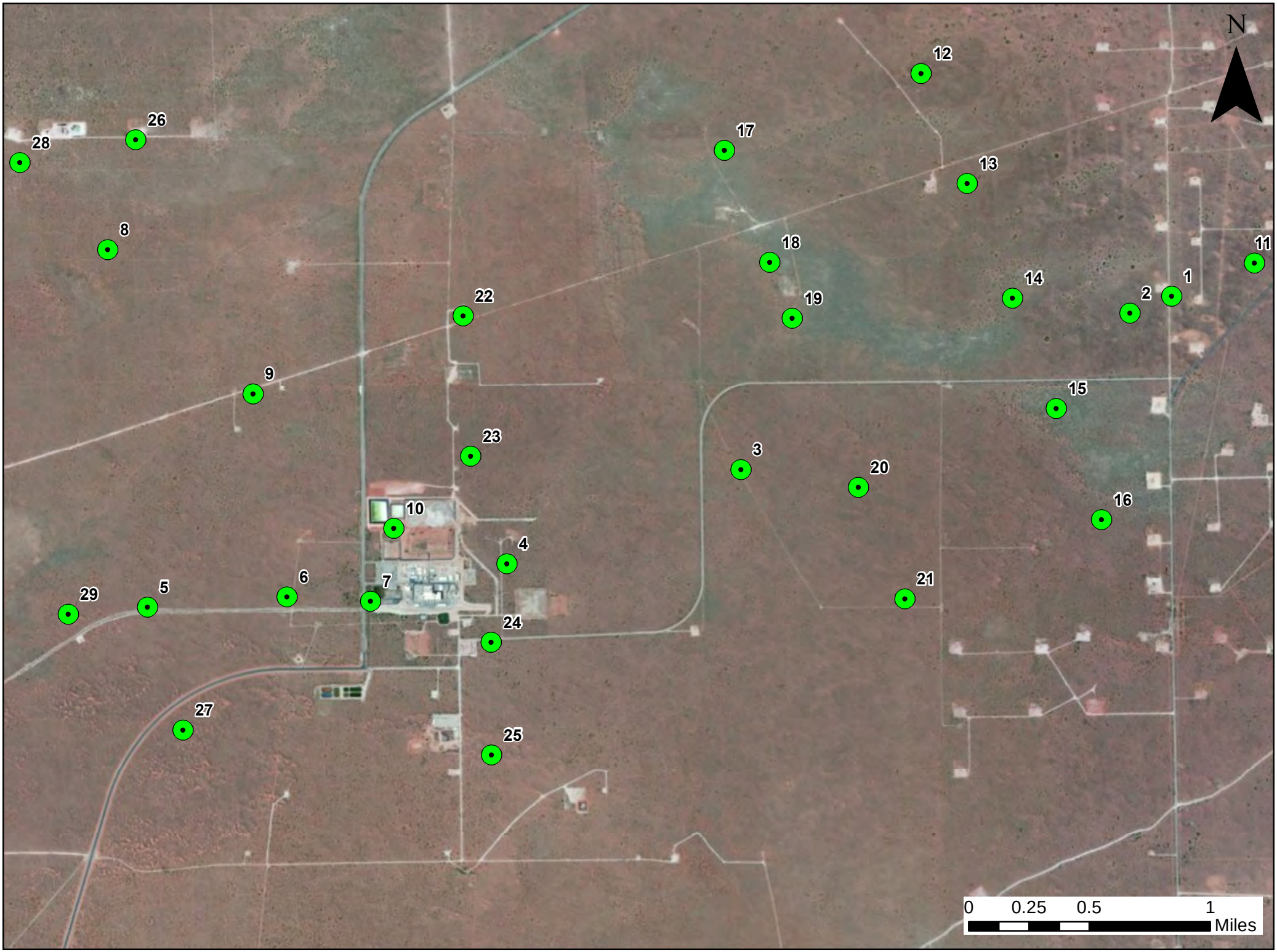
Location	Sample Date	WIPP Isotopic Analyses	
		Results	
		(dpm/g)	(Bq/g)
H-7 Pad (0-2 cm)	6/13/2014	Below MDC	Below MDC
H-7 Pad (0-2 cm) (Duplicate)	6/13/2014	Below MDC	Below MDC
GPS Location 01 (0-2 cm)	3/19/2014	Below MDC	Below MDC
GPS Location 02 (0-2 cm)	3/19/2014	Below MDC	Below MDC
GPS Location 03 (0-2 cm)	3/19/2014	Below MDC	Below MDC
GPS Location 04 (0-2 cm)	3/19/2014	Below MDC	Below MDC
GPS Location 05 (0-2 cm)	3/21/2014	Below MDC	Below MDC
GPS Location 06 (0-2 cm)	3/21/2014	Below MDC	Below MDC
GPS Location 06 (0-2 cm) (Duplicate)	3/21/2014	Below MDC	Below MDC
GPS Location 07 (0-2 cm)	3/20/2014	Below MDC	Below MDC
GPS Location 08 (0-2 cm)	3/21/2014	Below MDC	Below MDC
GPS Location 09 (0-2 cm)	3/20/2014	Below MDC	Below MDC
GPS Location 10 (0-2 cm)	3/19/2014	Below MDC	Below MDC
GPS Location 10 (0-2 cm) (Duplicate)	3/19/2014	Below MDC	Below MDC
GPS Location 11 (0-2 cm)	3/19/2014	Below MDC	Below MDC
GPS Location 12 (0-2 cm)	3/19/2014	Below MDC	Below MDC
GPS Location 13 (0-2 cm)	3/19/2014	Below MDC	Below MDC
GPS Location 14 (0-2 cm)	3/19/2014	Below MDC	Below MDC
GPS Location 15 (0-2 cm)	3/19/2014	Below MDC	Below MDC
GPS Location 16 (0-2 cm)	3/19/2014	Below MDC	Below MDC
GPS Location 17 (0-2 cm)	3/20/2014	Below MDC	Below MDC
GPS Location 18 (0-2 cm)	3/20/2014	Below MDC	Below MDC
GPS Location 18 (0-2 cm) (Duplicate)	3/20/2014	Below MDC	Below MDC
GPS Location 19 (0-2 cm)	3/20/2014	Below MDC	Below MDC
GPS Location 20 (0-2 cm)	3/19/2014	Below MDC	Below MDC
GPS Location 21 (0-2 cm)	3/19/2014	Below MDC	Below MDC
GPS Location 22 (0-2 cm)	3/20/2014	Below MDC	Below MDC
GPS Location 23 (0-2 cm)	3/20/2014	Below MDC	Below MDC
GPS Location 24 (0-2 cm)	3/19/2014	Below MDC	Below MDC
GPS Location 25 (0-2 cm)	3/19/2014	Below MDC	Below MDC
GPS Location 26 (0-2 cm)	3/21/2014	Below MDC	Below MDC
GPS Location 27 (0-2 cm)	6/13/2014	Below MDC	Below MDC
GPS Location 27 (0-2 cm)	3/20/2014	Below MDC	Below MDC
GPS Location 28 (0-2 cm)	3/21/2014	Below MDC	Below MDC
GPS Location 29 (0-2 cm)	6/13/2014	Below MDC	Below MDC
GPS Location 29 (0-2 cm)	3/21/2014	Below MDC	Below MDC
Location 1 Deep Sample (5-10 cm)	2/17/2014	Below MDC	Below MDC
Location 1 Deep Sample (5-10 cm)	2/17/2014	Below MDC	Below MDC
Location 1 Deep Sample (5-10 cm)	2/13/2014	Below MDC	Below MDC
Location 1 Intermediate Sample (2-5 cm)	2/17/2014	Below MDC	Below MDC
Location 1 Intermediate Sample (2-5 cm)	2/17/2014	Below MDC	Below MDC
Location 1 Intermediate Sample (2-5 cm)	2/13/2014	Below MDC	Below MDC

Location 1 Surface Sample (0-2 cm)	2/17/2014	Below MDC	Below MDC
Location 1 Surface Sample (0-2 cm)	2/17/2014	Below MDC	Below MDC
Location 1 Surface Sample (0-2 cm)	2/13/2014	Below MDC	Below MDC
Location 2 Deep Sample (5-10 cm)	2/17/2014	Below MDC	Below MDC
Location 2 Deep Sample (5-10 cm)	2/13/2014	Below MDC	Below MDC
Location 2 Intermediate Sample (2-5 cm)	2/17/2014	Below MDC	Below MDC
Location 2 Intermediate Sample (2-5 cm)	2/13/2014	Below MDC	Below MDC
Location 2 Surface Sample (0-2 cm)	2/17/2014	Below MDC	Below MDC
Location 2 Surface Sample (0-2 cm)	2/13/2014	Below MDC	Below MDC
Location 3 Deep Sample (5-10 cm)	2/17/2014	Below MDC	Below MDC
Location 3 Deep Sample (5-10 cm)	2/14/2014	Below MDC	Below MDC
Location 3 Intermediate Sample (2-5 cm)	2/17/2014	Below MDC	Below MDC
Location 3 Intermediate Sample (2-5 cm)	2/14/2014	Below MDC	Below MDC
Location 3 Surface Sample (0-2 cm)	2/17/2014	Below MDC	Below MDC
Location 3 Surface Sample (0-2 cm)	2/14/2014	Below MDC	Below MDC
Location 4 Surface Sample (0-2 cm) (Duplicate)*	5/15/2014	0.024	0.00040
Location 4 Surface Sample (0-2 cm)	5/15/2014	Below MDC	Below MDC
Location 4 Deep Sample (5-10 cm)	2/20/2014	Below MDC	Below MDC
Location 4 Intermediate Sample (2-5 cm)	2/20/2014	Below MDC	Below MDC
Location 4 Surface Sample (0-2 cm)*	2/20/2014	0.041	0.00068
Location 5 Deep Sample (5-10 cm)	2/20/2014	Below MDC	Below MDC
Location 5 Intermediate Sample (2-5 cm)	2/20/2014	Below MDC	Below MDC
Location 5 Surface Sample (0-2 cm)	2/20/2014	Below MDC	Below MDC
Location 7 Deep Sample (5-10 cm)	2/20/2014	Below MDC	Below MDC
Location 7 Deep Sample (5-10 cm)	2/20/2014	Below MDC	Below MDC
Location 7 Intermediate Sample (2-5 cm)	2/20/2014	Below MDC	Below MDC
Location 7 Intermediate Sample (2-5 cm)	2/20/2014	Below MDC	Below MDC
Location 7 Surface Sample (0-2 cm)	2/20/2014	Below MDC	Below MDC
Location 7 Surface Sample (0-2 cm)	2/20/2014	Below MDC	Below MDC

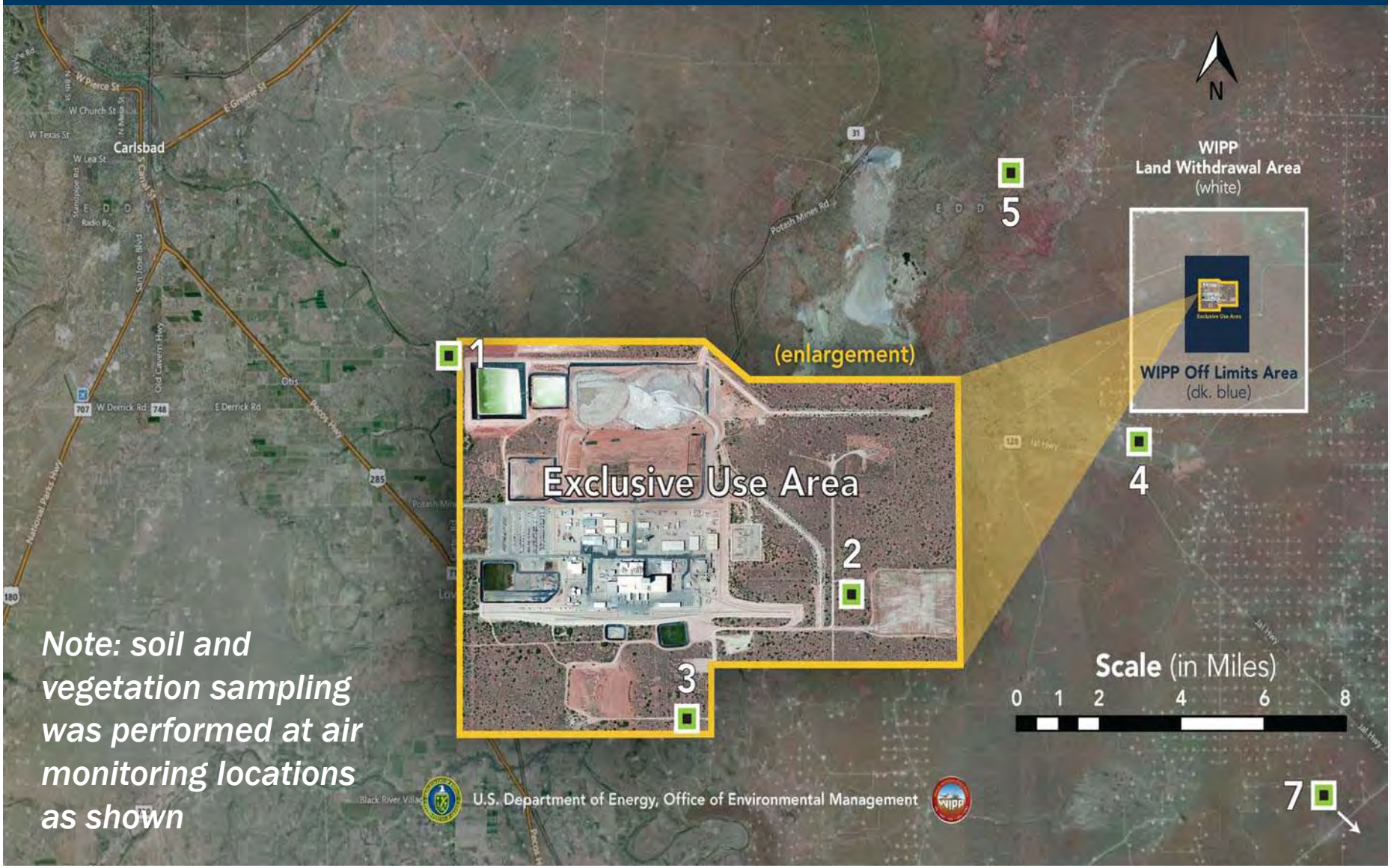
Minimum detectable concentration (MDC) corresponds to the lowest concentration measurement that can be detected by laboratory instrumentation; the total propagated uncertainty (TPU) is an estimate of uncertainty in the measurement from all sources. A radionuclide is considered to be note detected if its value is less than the minimum detectable concentration or measurement uncertainty. These are depicted as “Below MDC” in the table.

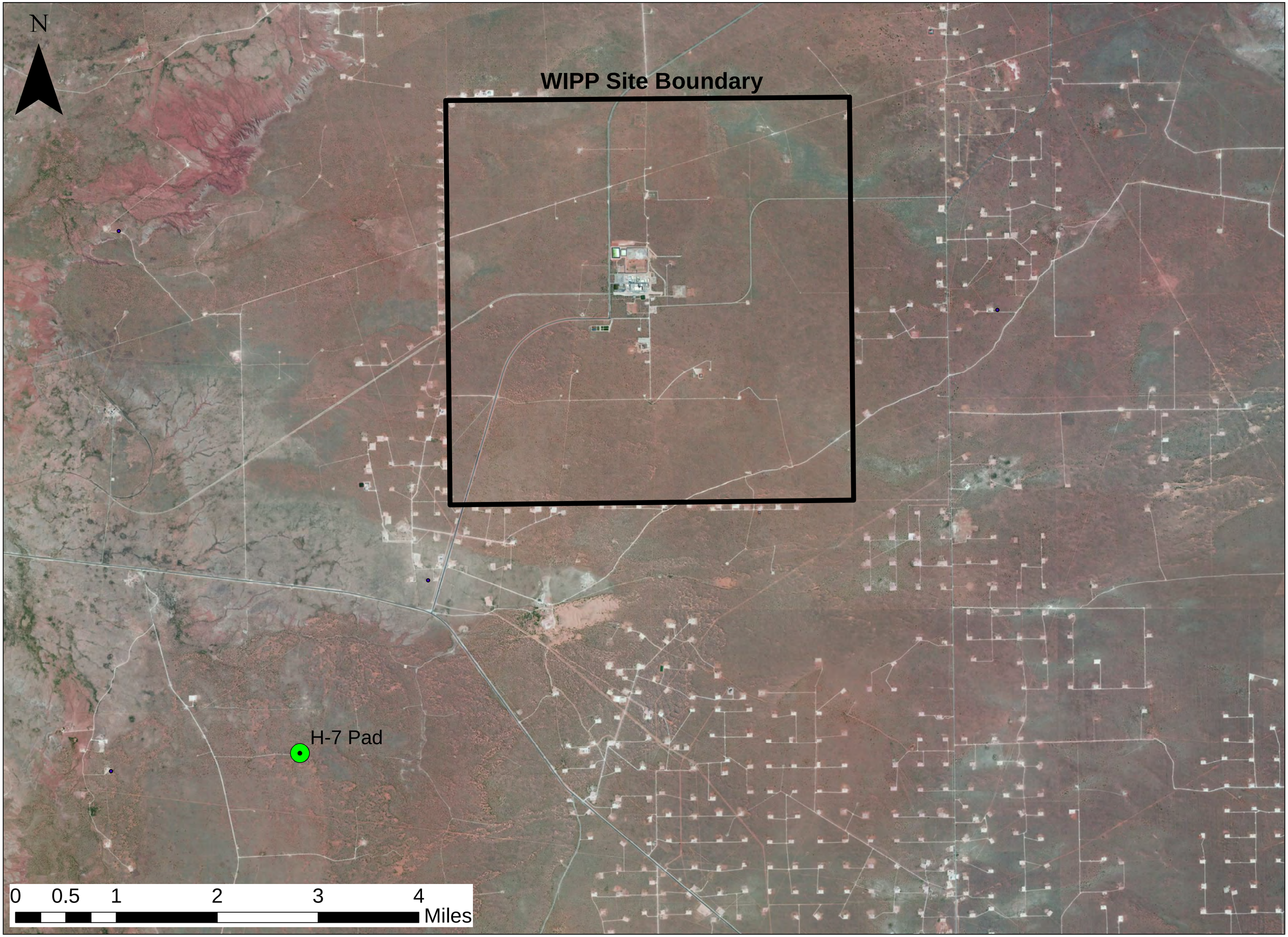
* Plutonium detected previously at this location prior to February 14, 2014 event. Americium in the same sample was below MDC (most likely source: Gnome test 1961).

Soil and Vegetation Sampling - GPS Locations



SOIL AND VEGETATION SAMPLING LOCATIONS



Note: soil and vegetation sampling was performed at air monitoring locations as shown

Additional Soil Sampling