

**40435 – Mayflower Pipeline Incident
ExxonMobil®
Summary of Air Monitoring
Conducted by CTEH®
April 15, 2013 - 24 hour period¹**

**Table 1
Community Summary of Manual Real-Time Air Monitoring**

Analyte	Count of Readings	Count of Detections	Average Concentration of Detections	Highest Concentration
Benzene	102	0	N/A	<0.05 ppm
Hydrogen Sulfide	90	0	N/A	< 1 ppm
VOC (Indoor)	27	10**	0.469 ppm	0.699 ppm
VOC (Outdoor)	90	0	N/A	<0.1 ppm

**Readings recorded during indoor air assessment. Probably source is room freshener and burning scented candles.

**Table 2
Work Area Summary of Manual Real-Time Air Monitoring**

Analyte	Count of Readings	Count of Detections	Average Concentration of Detections	Highest Concentration
Benzene	71	0	N/A	< 0.05 ppm
Hydrogen Sulfide	68	0	N/A	< 1 ppm
VOC (Outdoor)	69	0	N/A	< 0.1 ppm

**Table 3
Summary of AreaRAE Real-Time Air Monitoring²**

Unit	Analyte	Count of Readings	Count of Detections	Average Concentration of Detections	Highest Concentration
RTU_1 mobile	Hydrogen Sulfide	2816	0	N/A	< 1 ppm
	VOC	2816	2	1.2 ppm	1.8 ppm
RTU_2 fixed	Hydrogen Sulfide	2244	0	N/A	< 1 ppm
	VOC	2244	0	N/A	< 0.1 ppm
RTU_5 fixed	Hydrogen Sulfide	2680	1 [†]	0.1 ppm	0.1 ppm
	VOC	2680	0	N/A	< 0.1 ppm
RTU_6 fixed	Hydrogen Sulfide	4310	16 [†]	0.1	0.2 ppm
	VOC	4310	19	0.2	0.5 ppm

*Details of elevated chemical detections are provided at the end of this document (None Attached to this Document).

†Raw data indicate sensor activity that is below instrument resolution (1 ppm) for Hydrogen Sulfide.

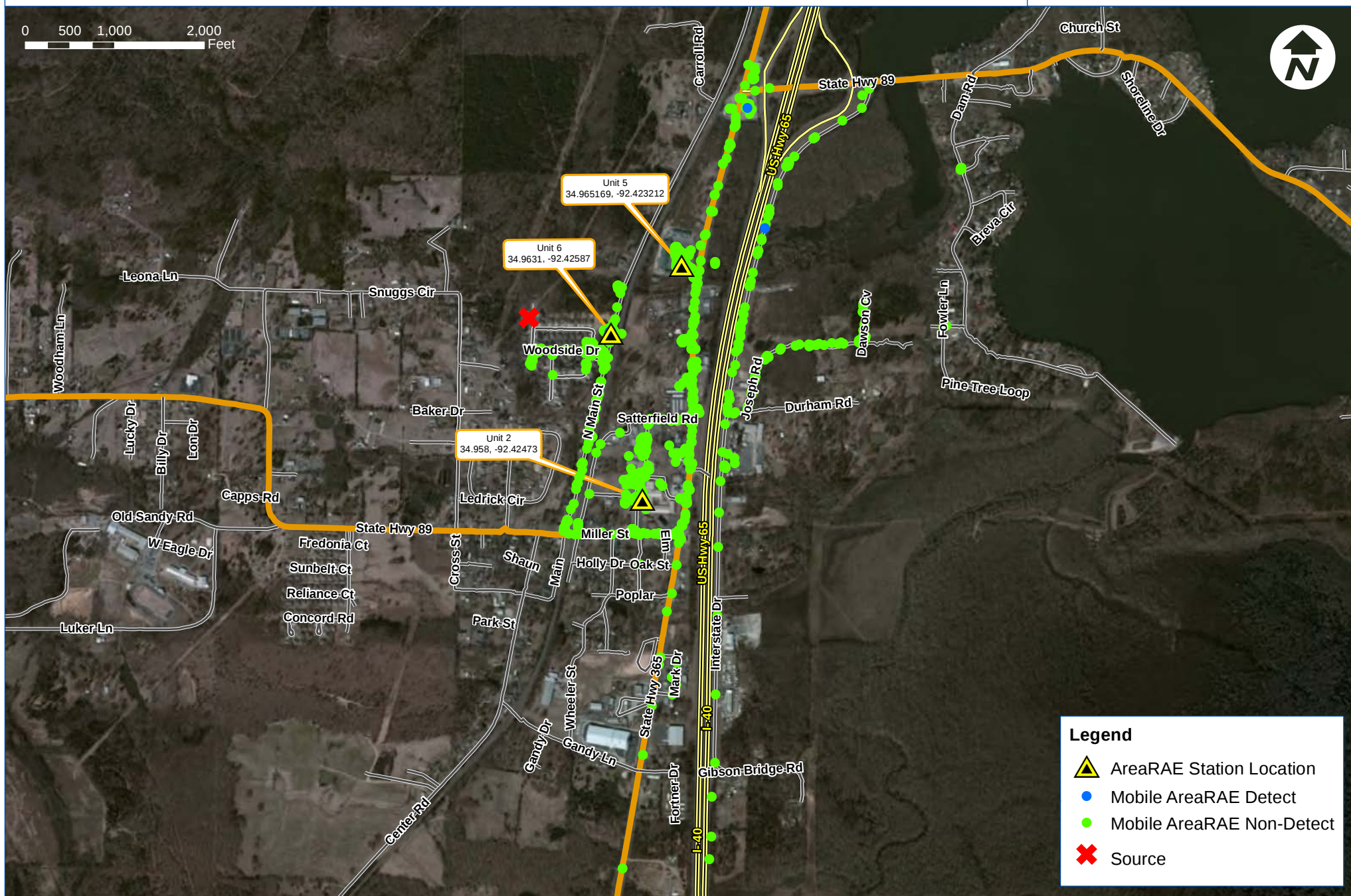
¹ Note: The information provided below has not been processed by the QAQC department.

² Note: Units 1, 2, and 5 will no longer be deployed as of 4/15/2013

AreaRAE Monitoring

April 15, 2013

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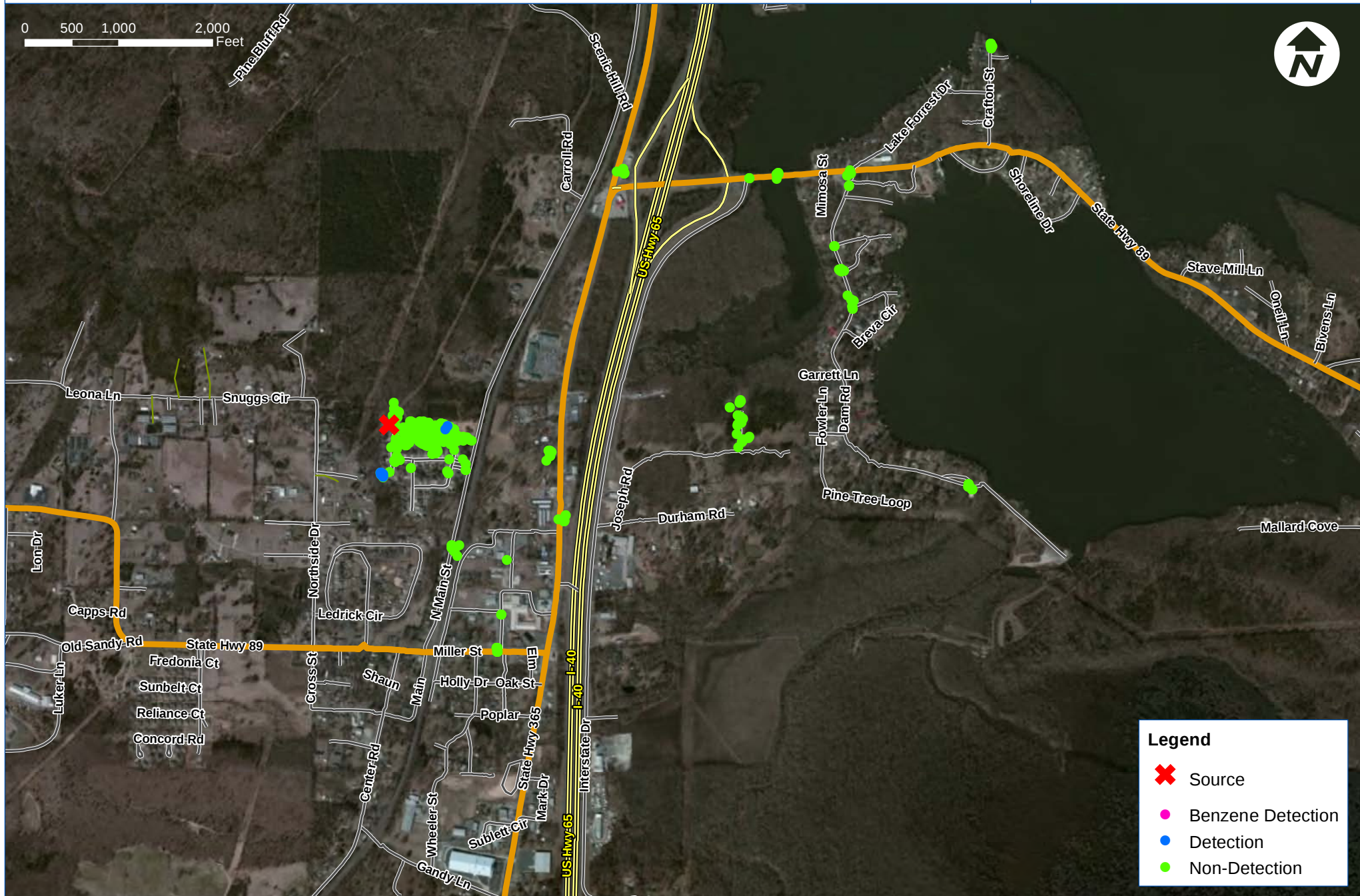




Handheld Real-time Monitoring

April 15, 2013

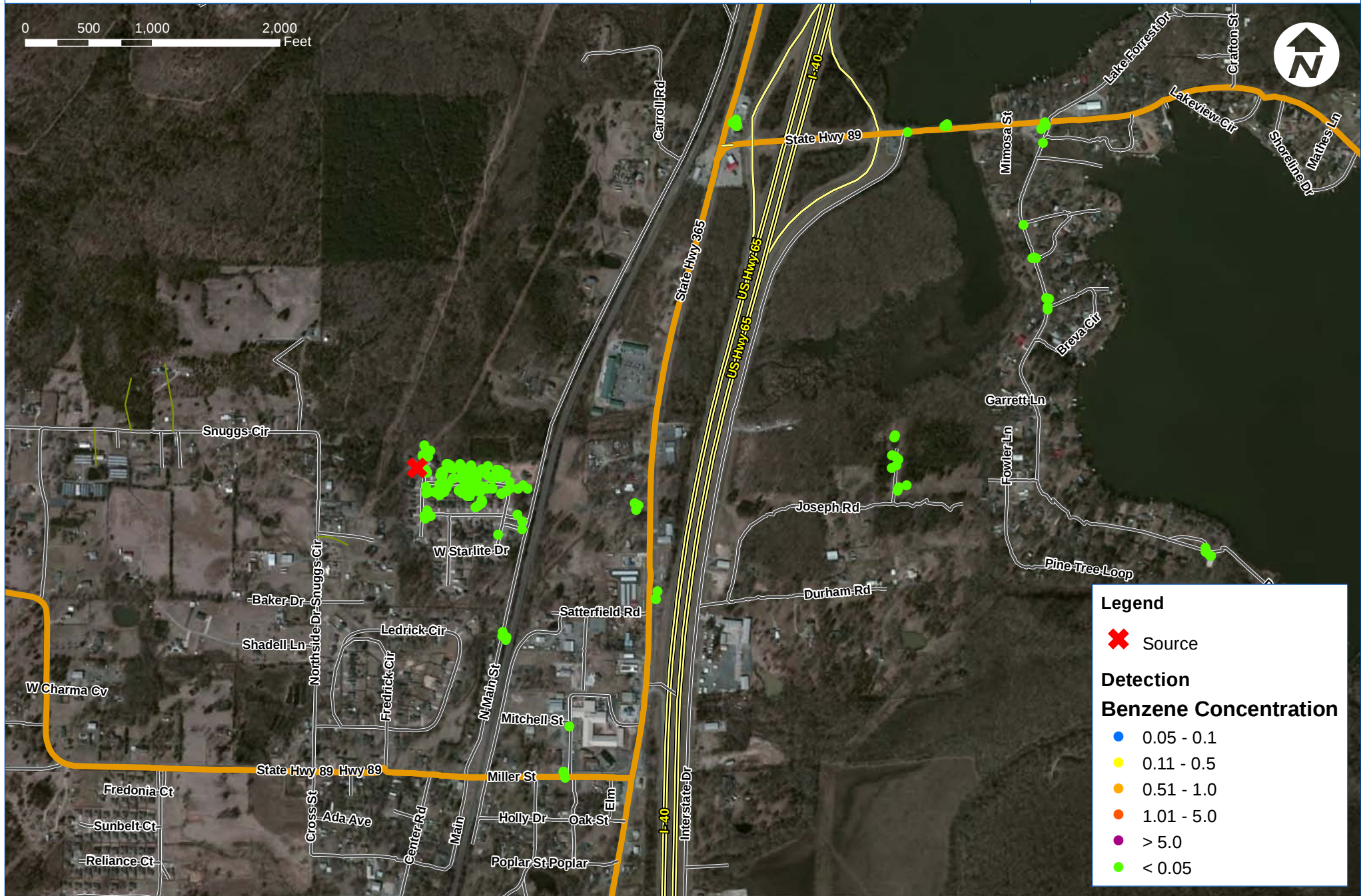
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Handheld Real-time Monitoring Benzene Concentrations April 15, 2013

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Handheld Real-time Monitoring VOC Concentrations April 15, 2013

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