

**40355 Braithwaite, LA
Stolthaven Terminal Facility
Summary of Real-time Air Monitoring Results
September 08, 2012**

This data report discusses real-time air monitoring data collected between September 7th 06:00 and September 8th 06:00 in support of mitigation and remediation operations conducted near Stolthaven’s facility near Braithwaite, LA. No action level exceedances were observed.

Real-time air monitoring for VOCs, LEL, Styrene, and Methyl Acrylate was conducted using stationary AreaRAEs and hand-held instruments such as the MultiRAE, and colorimetric detector tubes. Tables 1 and 2 display data summaries for AreaRAE and handheld data respectively. Appendix 1 shows incident site maps.

**Table 1
AreaRAE Summary – September 7th 06:00 to September 8th 06:00**

Unit	Analyte	Number of Readings	Number Of Detections	Concentration Range
Unit 1	LEL	5668	0	0 – 0 %
	VOC	5668	2	0.1 – 0.1 ppm
Unit 2	LEL	5560	0	0 – 0 %
	VOC	5560	0	0 – 0 ppm
Unit 3	LEL	5665	107	2.9 – 4.3 %
	VOC	5665	253	0.1 – 0.1 ppm
Unit 4	LEL	5681	0	0 – 0 %
	VOC	5681	367	0.1 – 1.3 ppm
Unit 9	LEL	4388	0	0 – 0 %
	VOC	4390	220	0.1 – 2.3 ppm
Unit 10	LEL	2138	0	0 – 0 %
	VOC	2138	0	0 – 0 ppm
Unit 11	LEL	5148	0	0 – 0 %
	VOC	5148	0	0 – 0 ppm
Unit 12	LEL	5041	0	0 – 0 %
	VOC	5041	248	0.1 – 0.1 ppm
Unit 13	LEL	5584	1	2.9 – 2.9 %
	VOC	5584	2	0.1 – 0.1 ppm

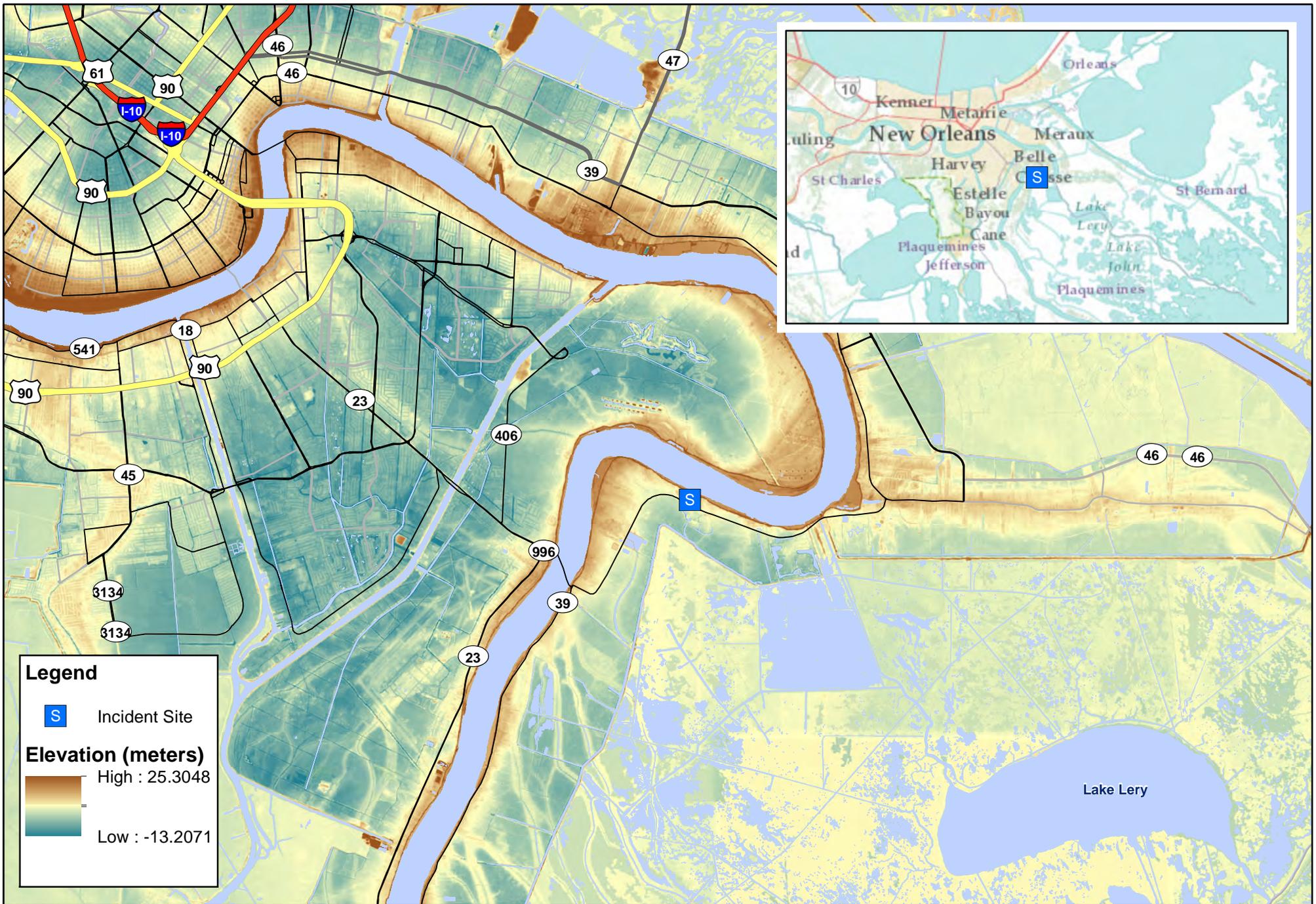
***Detections may include drift events** - Drift is defined as any interference in the electrochemical sensor’s ability to accurately report the concentration of a chemical in the atmosphere. Humidity and temperature changes throughout the monitoring period are typical sources of drift.

Table 2
Hand-held Real-time Summary – September 6th 06:00 – September 7th 06:00

Community				
Analyte	Number of Readings	Number of Detections	Average Concentration of Detections	Highest Concentration
LEL	121	0	NA	< 1 %
VOC	175	0	NA	< 0.1 ppm
Entry Activities				
Analyte	Number of Readings	Number of Detections	Average Concentration of Detections	Highest Concentration
VOC	3	0	NA	< 0.1 ppm
Hot Zone				
Analyte	Number of Readings	Number of Detections	Average Concentration of Detections	Highest Concentration
VOC	36	0	NA	< 0.1 ppm
Work Area				
Analyte	Number of Readings	Number of Detections	Average Concentration of Detections	Highest Concentration
LEL	223	0	NA	< 1.0 %
Styrene	3	0	NA	< 0.5 ppm
VOC	286	2	3.25 ppm	3.4 ppm
Methyl Acrylate	1	0	NA	< 0.2 ppm

NA = not applicable

Appendix 1: Incident Maps



Legend

S Incident Site

Elevation (meters)

High : 25.3048

Low : -13.2071

**Stolthaven Facility
Location**



CTEH[®]

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Garner Environmental
Braithwaite, LA

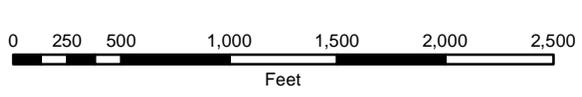
St. Bernard Parish
Print Date: 9/2/2012



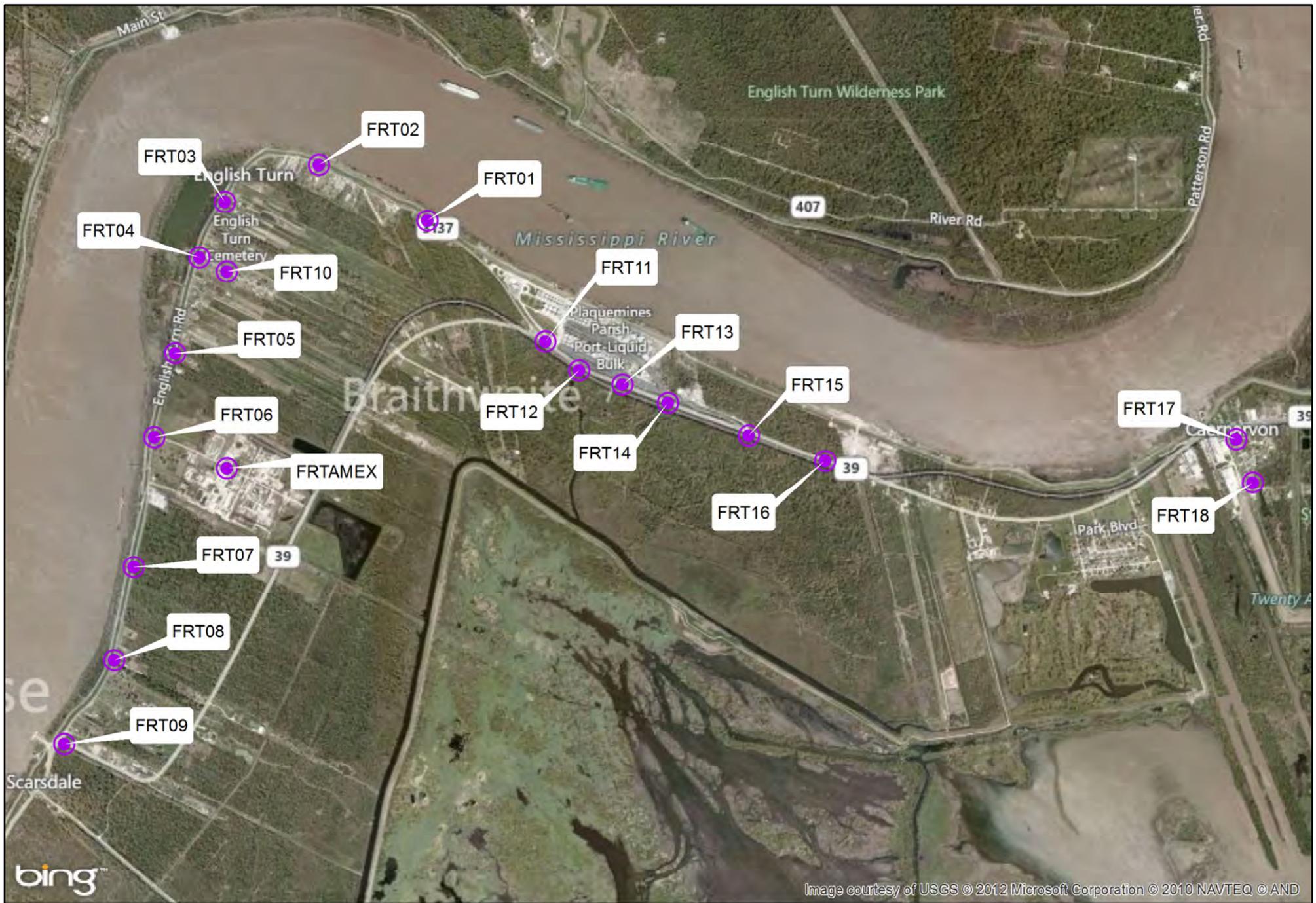
Legend

- CTEH Command Trailer
- AreaRAE Station

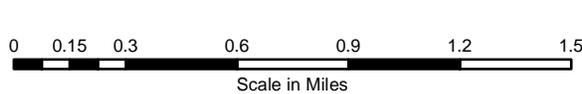
AreaRAE Station Locations
September 06, 2012



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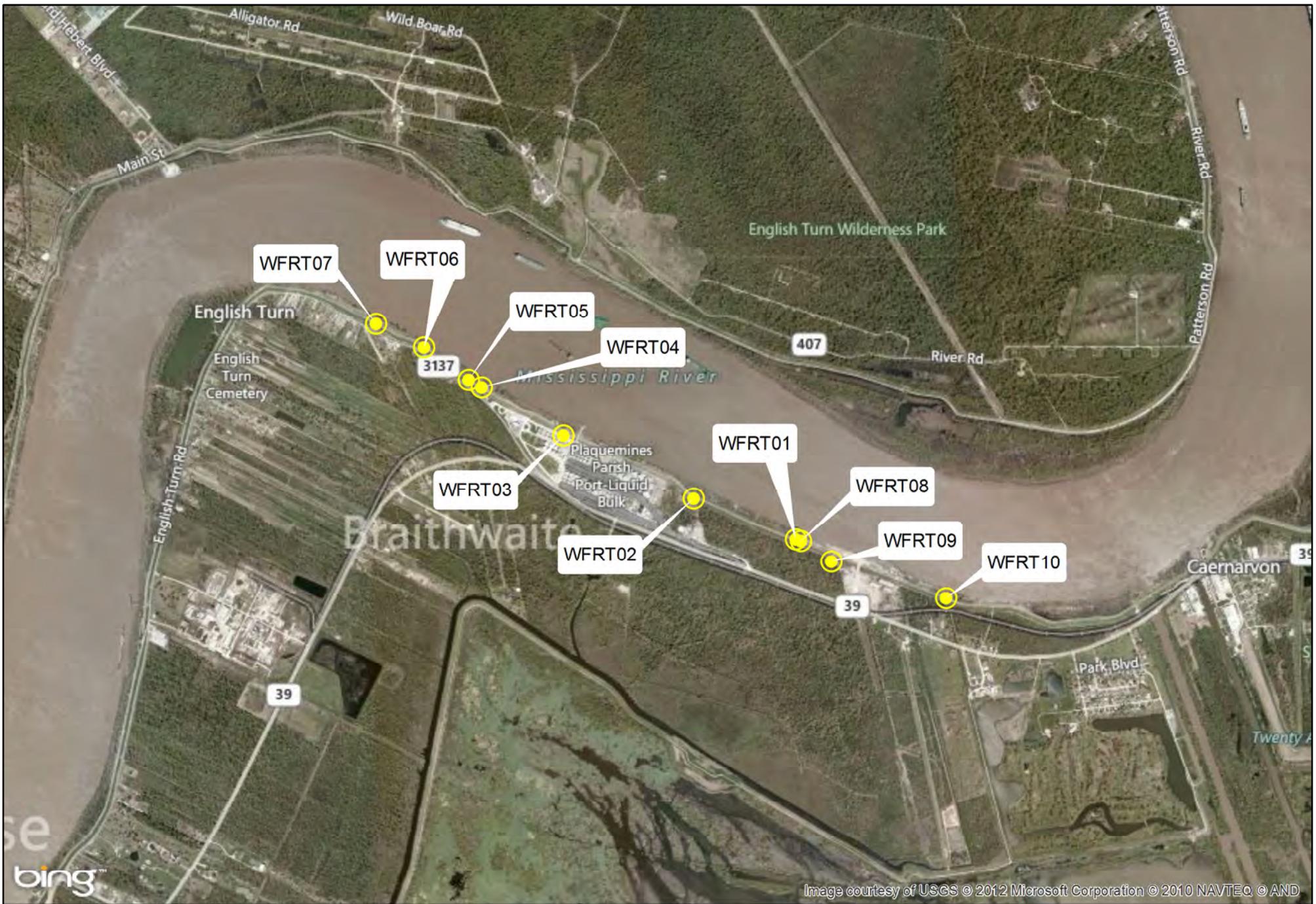
Community Fixed Real-Time Monitoring Locations



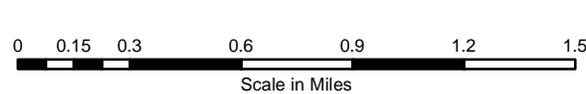
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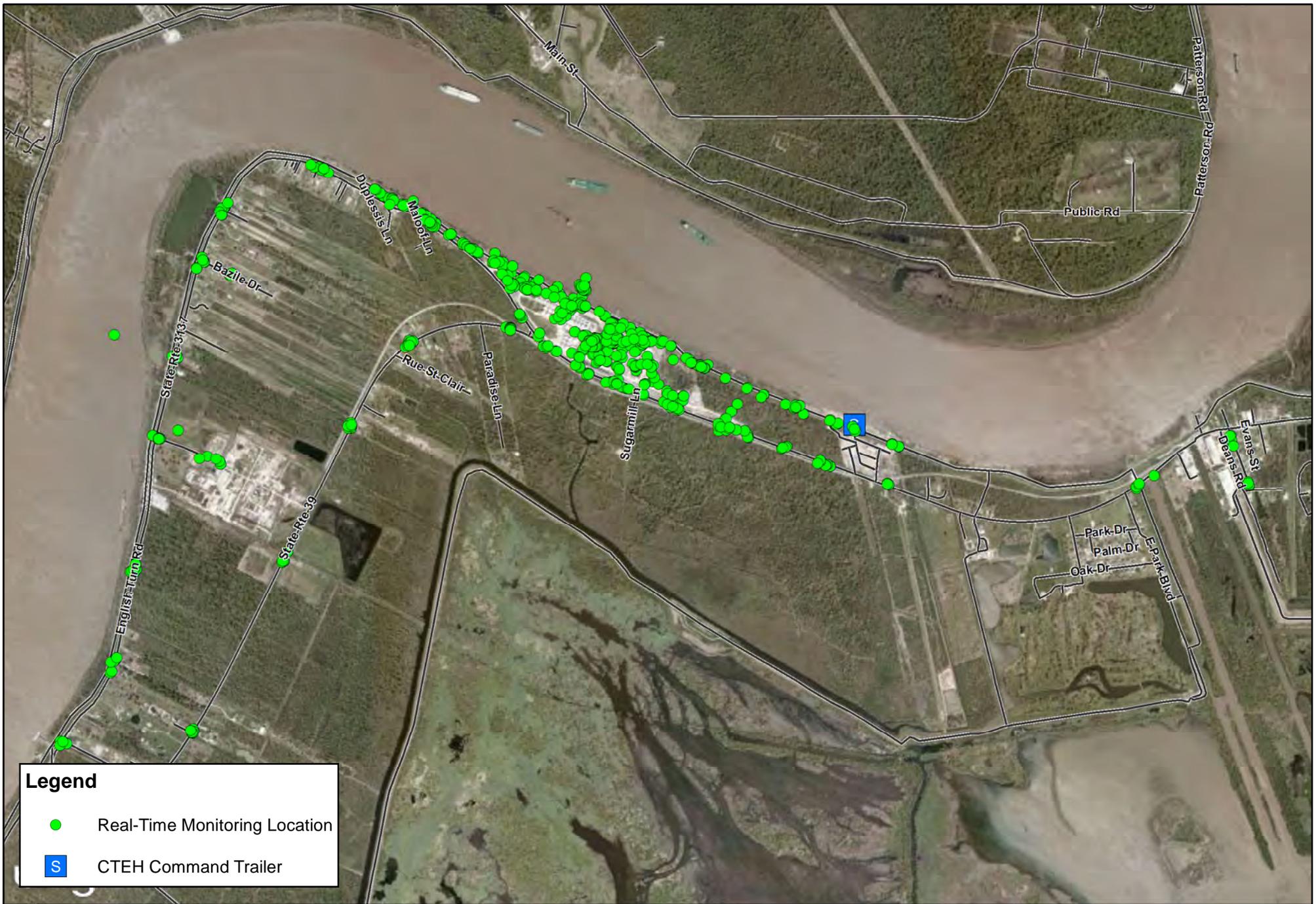
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Work Area Fixed Real-Time Monitoring Locations



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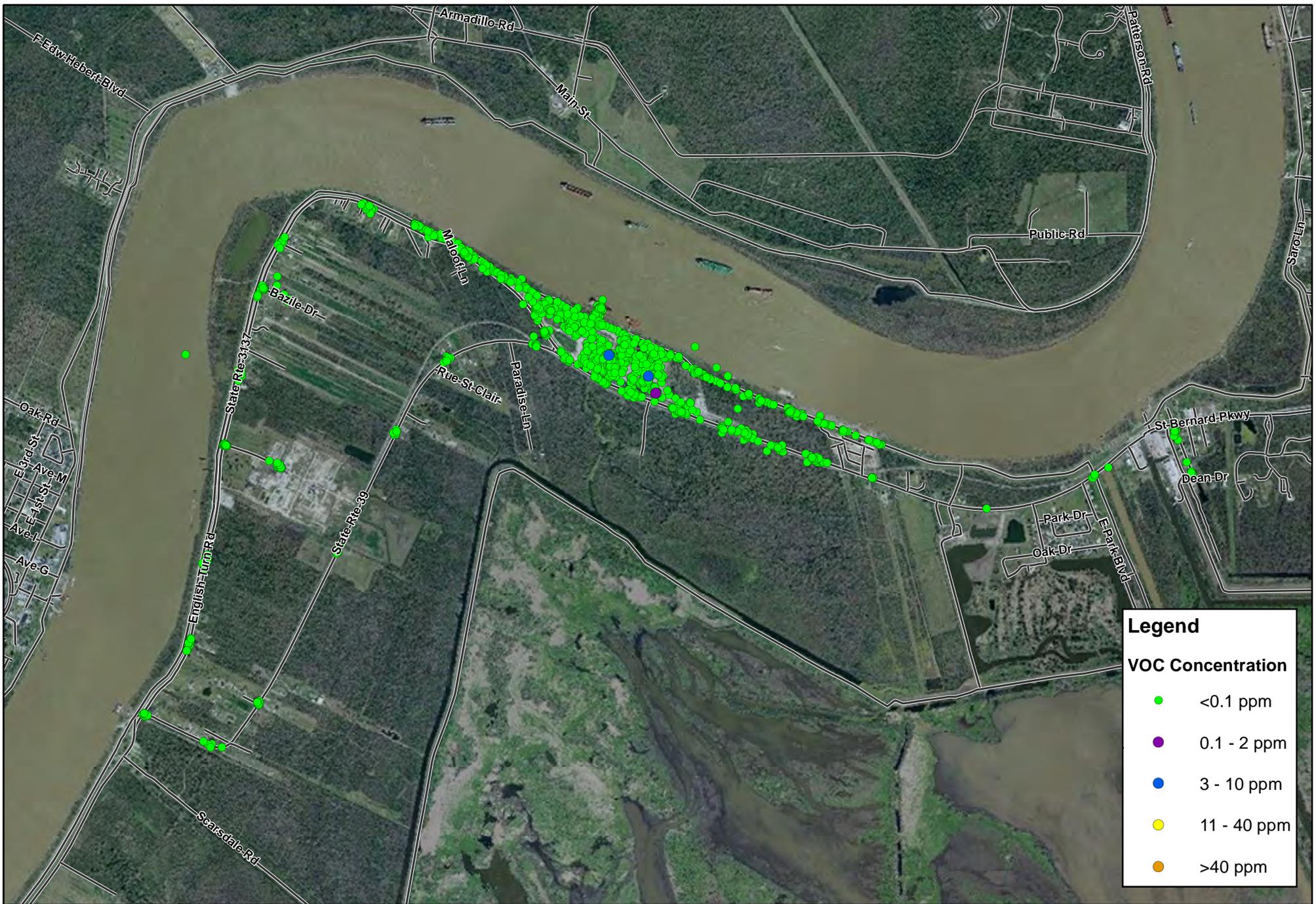
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- Real-Time Monitoring Location
- S CTEH Command Trailer

Real-Time Monitoring Locations
 9/7/12 06:00 to 9/8/12 06:00



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**Manually-Logged
VOC Concentrations
9/7/12 06:00 to 9/8/12 06:00**



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Legend

- Detection
- No Detection

**Methyl Acrylate
Reading Locations**
9/07/12 06:00 to 9/08/12 06:00



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Legend

- Detection
- No Detection

Styrene
Reading Locations
 9/07/12 06:00 to 9/08/12 06:00



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