

**40365 Braithwaite, LA
Stolthaven Terminal Facility
Summary of Community Air Monitoring and Sampling Results
October 8, 2012
PO# 12-H0408-MR**

This data report discusses community real-time air monitoring data collected between October 7th 00:00 and October 7th 23:59 in support of mitigation and remediation operations conducted near Stolthaven’s facility near Braithwaite, LA.

Community real-time air monitoring was conducted for VOCs, LEL, and formic acid using stationary AreaRAEs and/or hand-held instruments such as the MultiRAE and colorimetric detector tubes. Table 1 and Table 2 below display data summaries for AreaRAEs and hand-held instrument data, respectively. No detections of VOCs were reported by stationary AreaRAEs. No VOCs, formic acid or LEL detections were observed within the community using real-time handheld instruments or colorimetric tubes. Table 3 highlights analytical sample counts collected within air and residential soil. Appendix 1 shows incident site maps.

**Table 1
AreaRAE Summary – October 7th 00:00 – 23:59**

Unit	Analyte	Number of Readings	Number Of Detections	Concentration Range
Unit 1	VOC	4336	0	0 - 0 ppm
Unit 2	VOC	5262	0	0 - 0 ppm
Unit 3	VOC	4423	0	0 - 0 ppm
Unit 4	VOC	4414	0	0 - 0 ppm
Unit 10	VOC	1357	0	0 - 0 ppm
Unit 11	VOC	3773	0	0 - 0 ppm
Unit 12	VOC	5094	0	0 - 0 ppm
Unit 13	VOC	4259	0	0 - 0 ppm

**Table 2
Hand-held Real-time Summary – October 7th 00:00 – 23:59**

Community				
Analyte	Number of Readings	Number of Detections	Average Concentration of Detections	Highest Concentration
Formic Acid	6	0	NA	<0.52 ppm
LEL	341	0	NA	< 1.0 %
VOC	341	0	NA	< 0.1 ppm

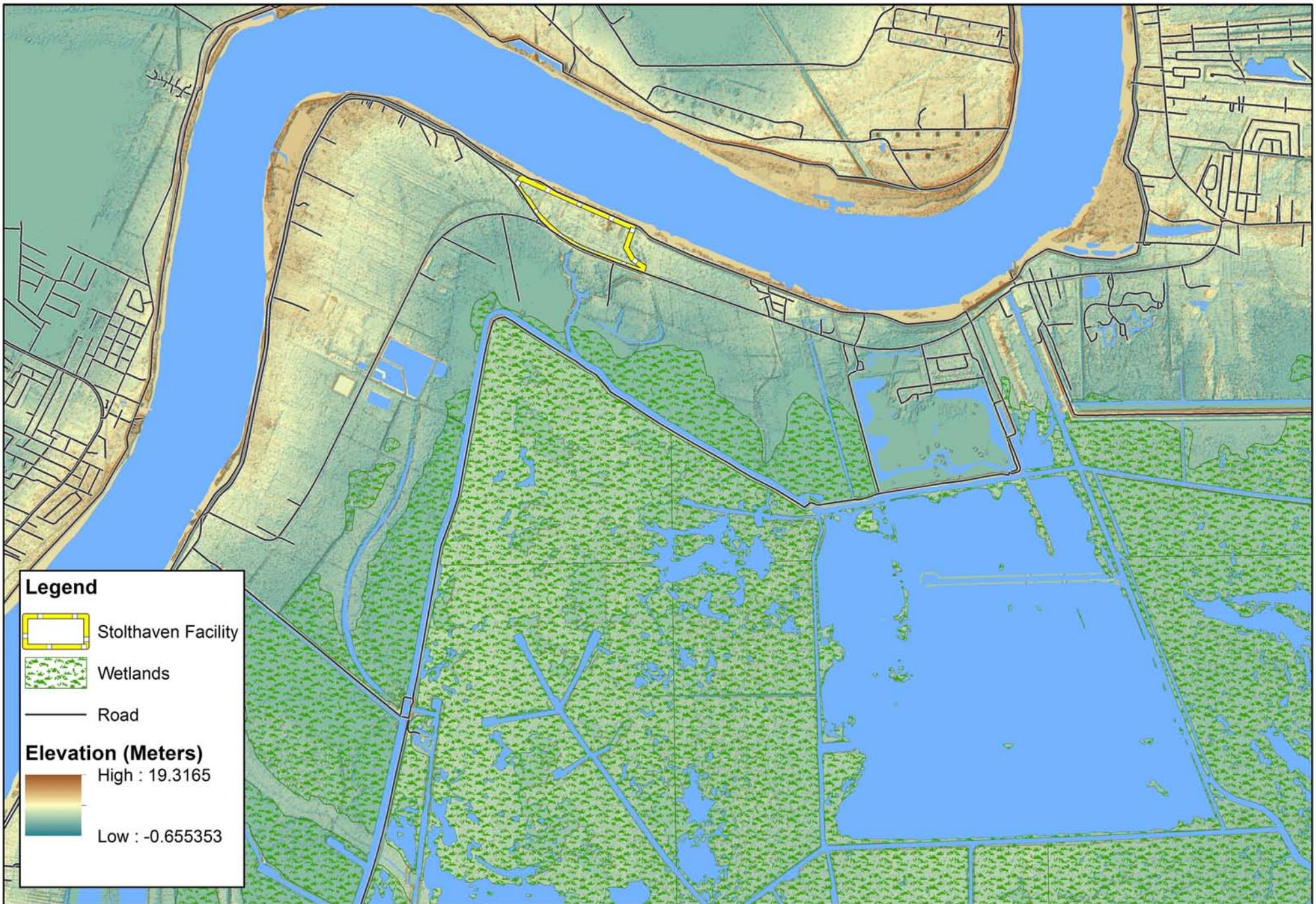
NA = not applicable

* In addition to the tabulated real-time data, additional air monitoring for the purpose of worker protection was performed throughout the work area. These data are used for task-specific decision-making, but may not be recorded in the tabulated data represented above.

**Table 3
Analytical Sample Counts – October 7th 00:00 – 23:59**

Matrix	Number of Samples
Air	44
Residential Soil	8

Appendix 1: Incident Maps



Legend

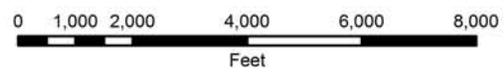
-  Stolthaven Facility
-  Wetlands
-  Road

Elevation (Meters)

High : 19.3165

Low : -0.655353

**Stolthaven Facility
Shaded Relief of Elevation**



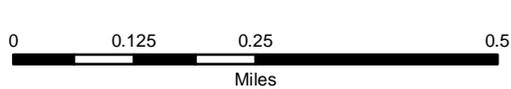
CTEH Project No. 40365	Stolthaven Braithwaite, LA
	Plaquemines Parish Print Date: 10/6/2012



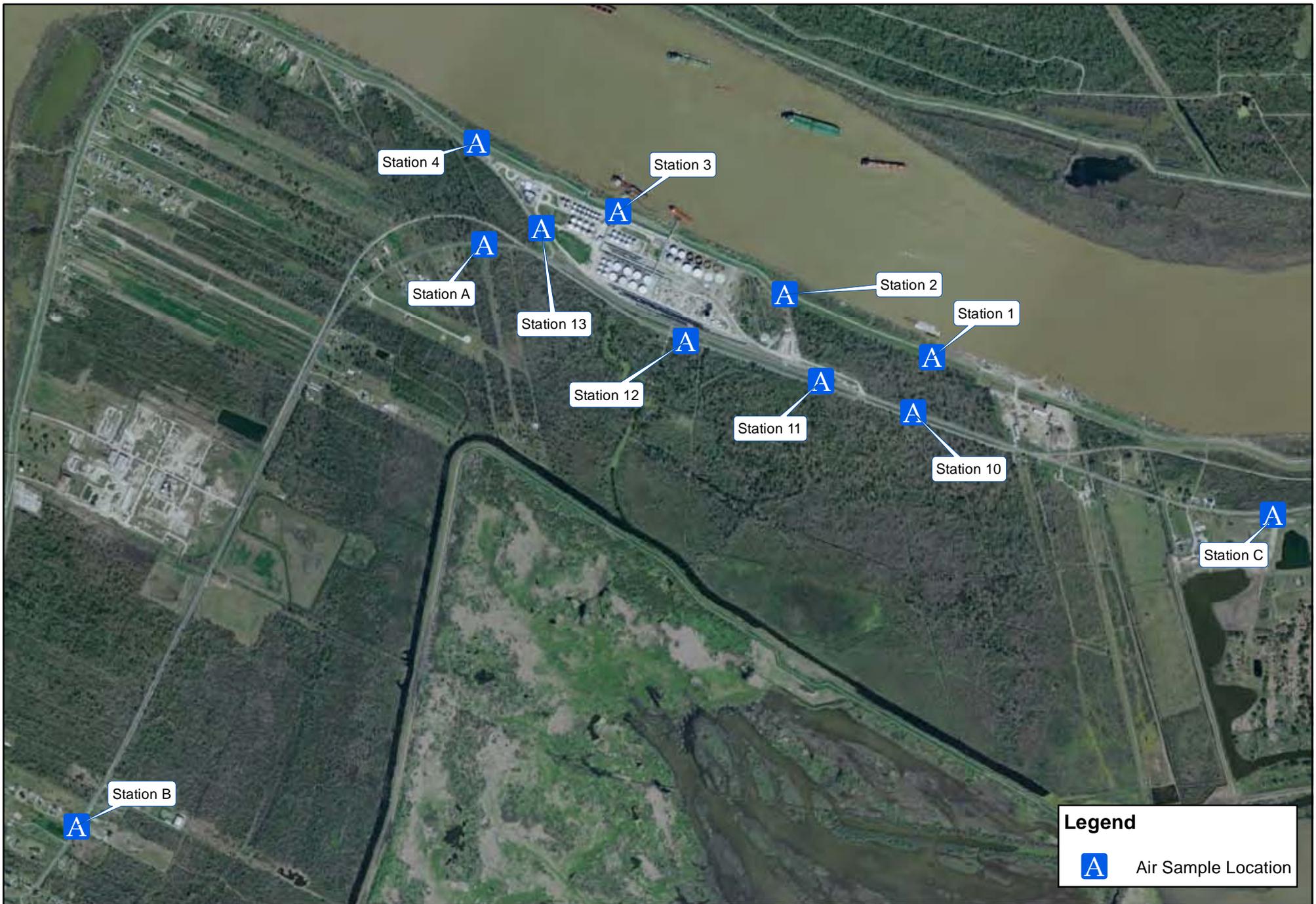
Legend

 AreaRAE Station

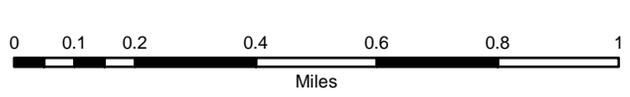
**Community
AreaRAE Station Locations**
September 21, 2012



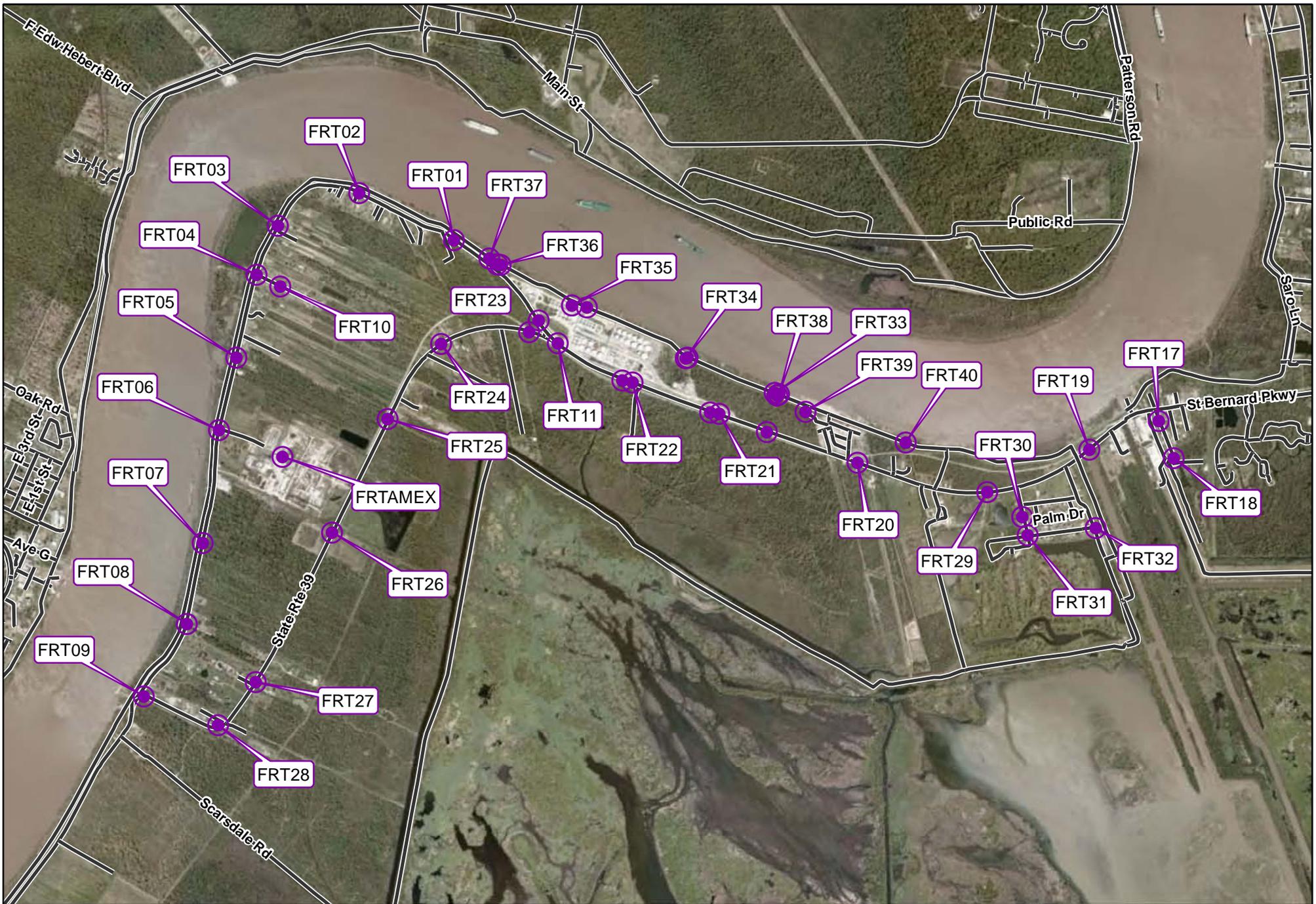
 Project No. 40365	Stolthaven Braithwaite, LA
	Plaquemines Parish Print Date: 9/26/2012



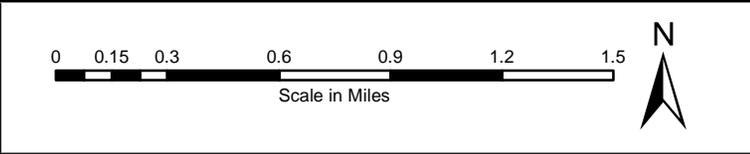
**Ambient Air
Analytical Sampling Locations**



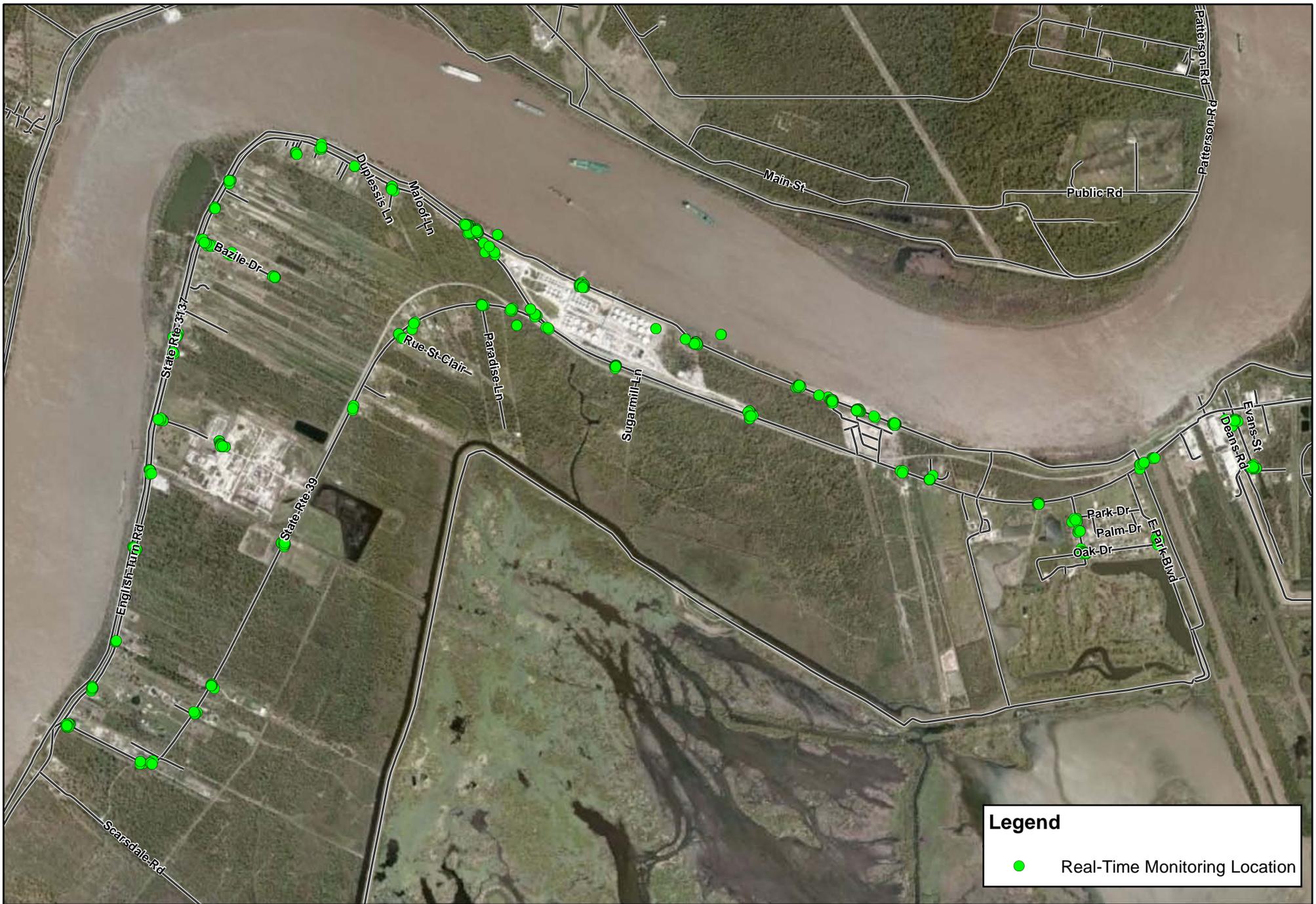
 Project No. 40365	Stolt Haven Braithwaite, LA
	Plaquemines Parish Print Date: 9/28/2012



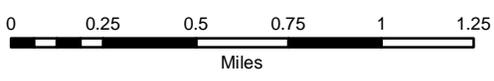
Community Fixed Real-Time Monitoring Locations



	Stolthaven
	Braithwaite, LA
Project No. 40365	Plaquemines Parish
Print Date: 9/26/2012	



Community Real-Time Monitoring Locations
10/07/2012



Legend

- Real-Time Monitoring Location

 Project No. 40365	Stolthaven Braithwaite, LA
	Plaquemines Parish Print Date: 10/8/2012

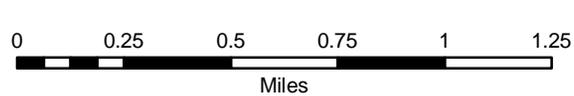


Legend

VOC Concentration

- <0.1 ppm
- 0.1 - 2 ppm
- 3 - 10 ppm
- 11 - 40 ppm
- >40 ppm

**Manually-Logged
Community VOC Concentrations**
10/07/2012



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**Stolthaven
Braithwaite, LA**
Plaquemines Parish
Print Date: 10/8/2012