40365 Braithwaite, LA
Stolthaven Terminal Facility
Summary of Community Air Monitoring and Sampling Results
October 9, 2012
PO# 12-H0408-MR

This data report discusses community real-time air monitoring data collected between October 8th 00:00 and October 8th 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 8th 00:00 – 23:59

Unit	Analyte	Number of Readings	Number Of Detections	Concentration Range
Unit 1	VOC	3554	0	0 - 0 ppm
Unit 2	VOC	3561	0	0 - 0 ppm
Unit 3	VOC	3559	0	0 - 0 ppm
Unit 4	VOC	3559	0	0 - 0 ppm
Unit 10	VOC	1941	0	0 - 0 ppm
Unit 11	VOC	3383	0	0 - 0 ppm
Unit 12	VOC	3453	0	0 - 0 ppm
Unit 13	VOC	3321	0	0 - 0 ppm

Table 2
Hand-held Real-time Summary – October 8th 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	345	0	NA	< 1.0 %
VOC	344	0	NA	< 0.1 ppm

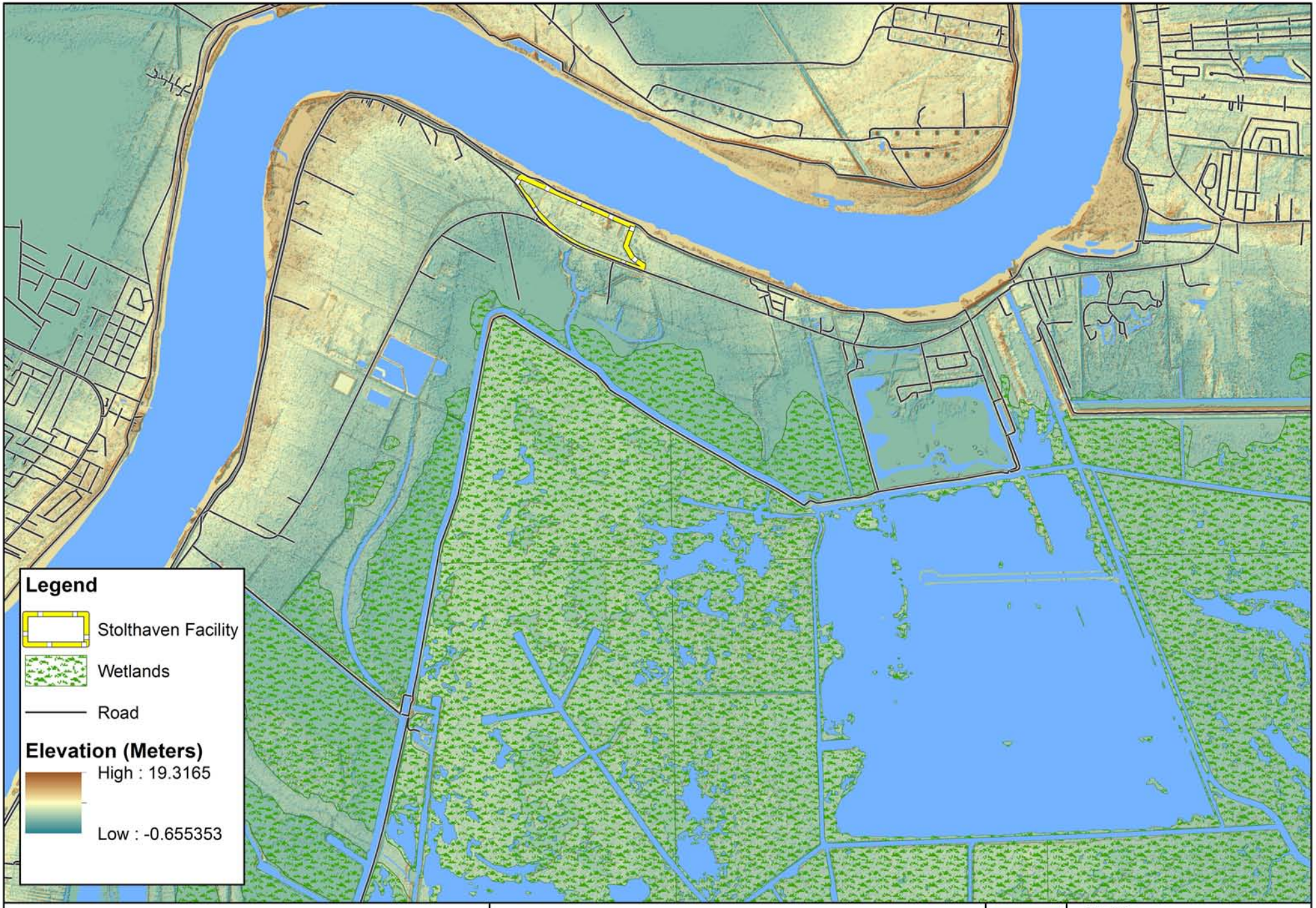
NA = not applicable

* 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 8th 00:00 – 23:59

Matrix	Number of Samples
Air	44
Residential Soil	6

Appendix 1:
Incident Maps



Stolthaven Facility
Shaded Relief of Elevation

0 1,000 2,000 4,000 6,000 8,000
Feet

N

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Project No.
40365

Stolthaven
Braithwaite, LA
Plaquemines Parish
Print Date: 10/6/2012

Community
AreaRAE Station Locations
September 21, 2012

0 0.125 0.25 0.5
Miles

N

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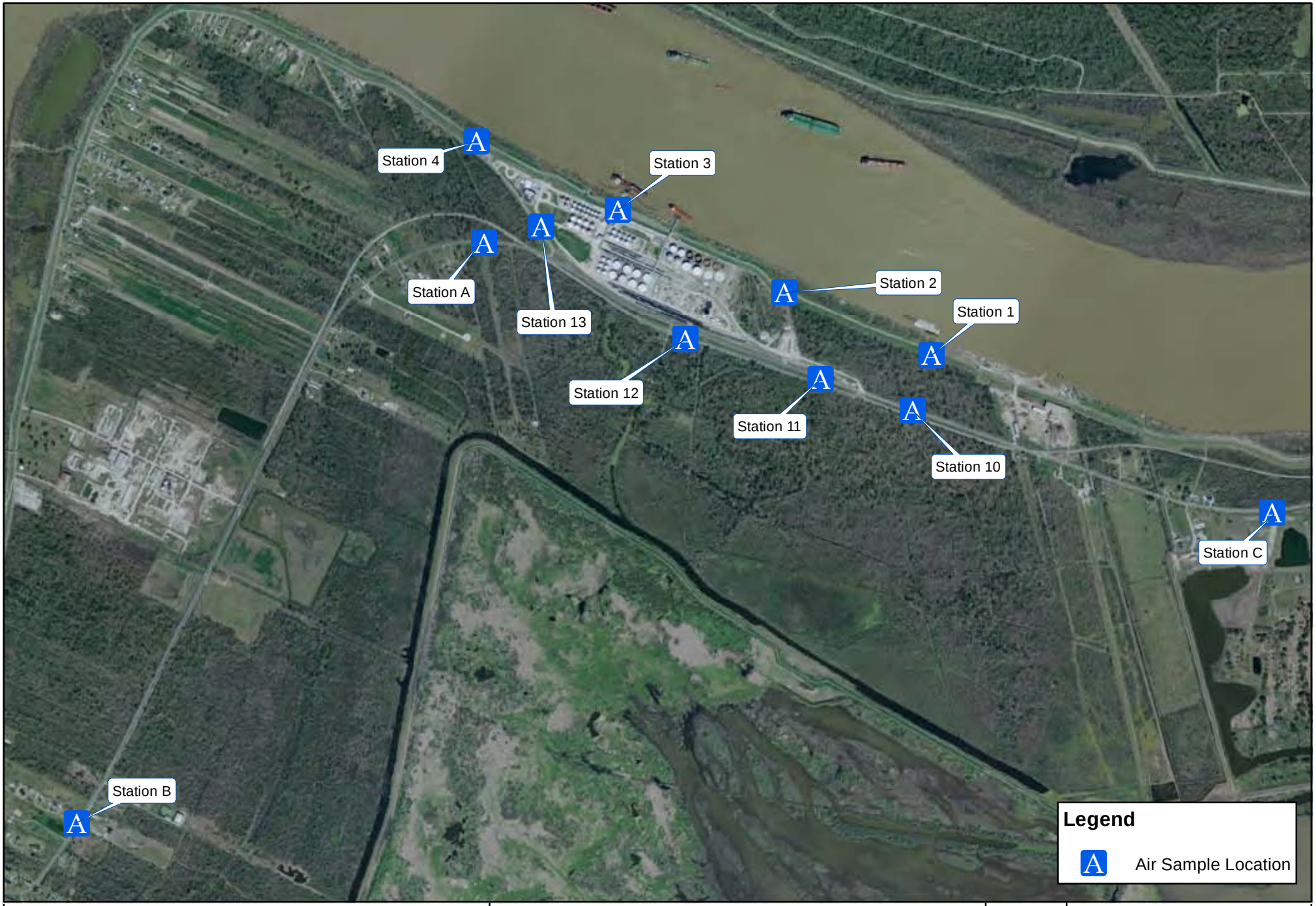
Stolthaven
Braithwaite, LA
Plaquemines Parish
Print Date: 9/26/2012



Ambient Air
Analytical Sampling Locations

0 0.1 0.2 0.4 0.6 0.8 1
Miles

N

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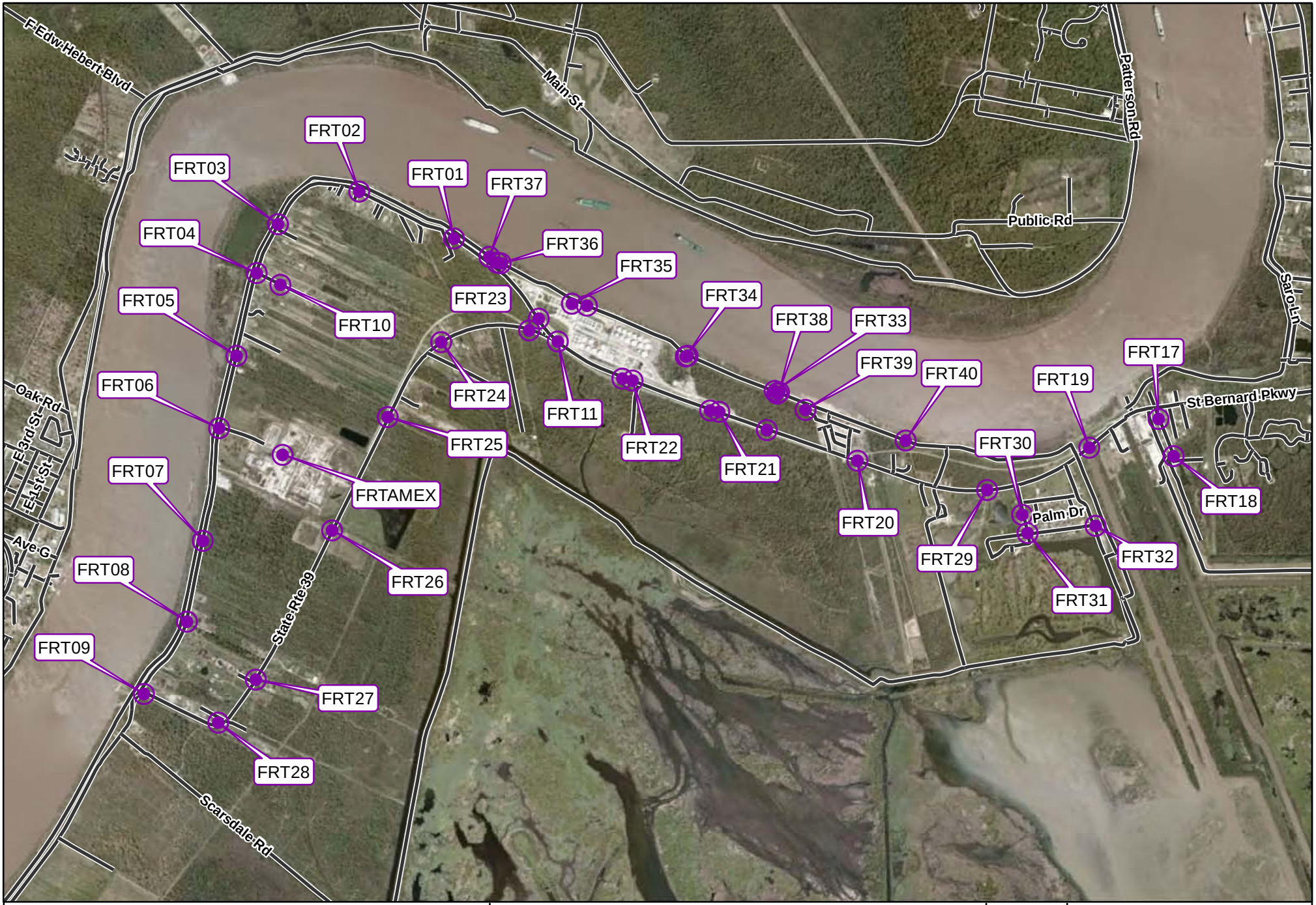
Plaquemines Parish
Print Date: 9/28/2012



Community Fixed Real-Time Monitoring Locations

0 0.15 0.3 0.6 0.9 1.2 1.5
Scale in Miles

N

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Plaquemines Parish
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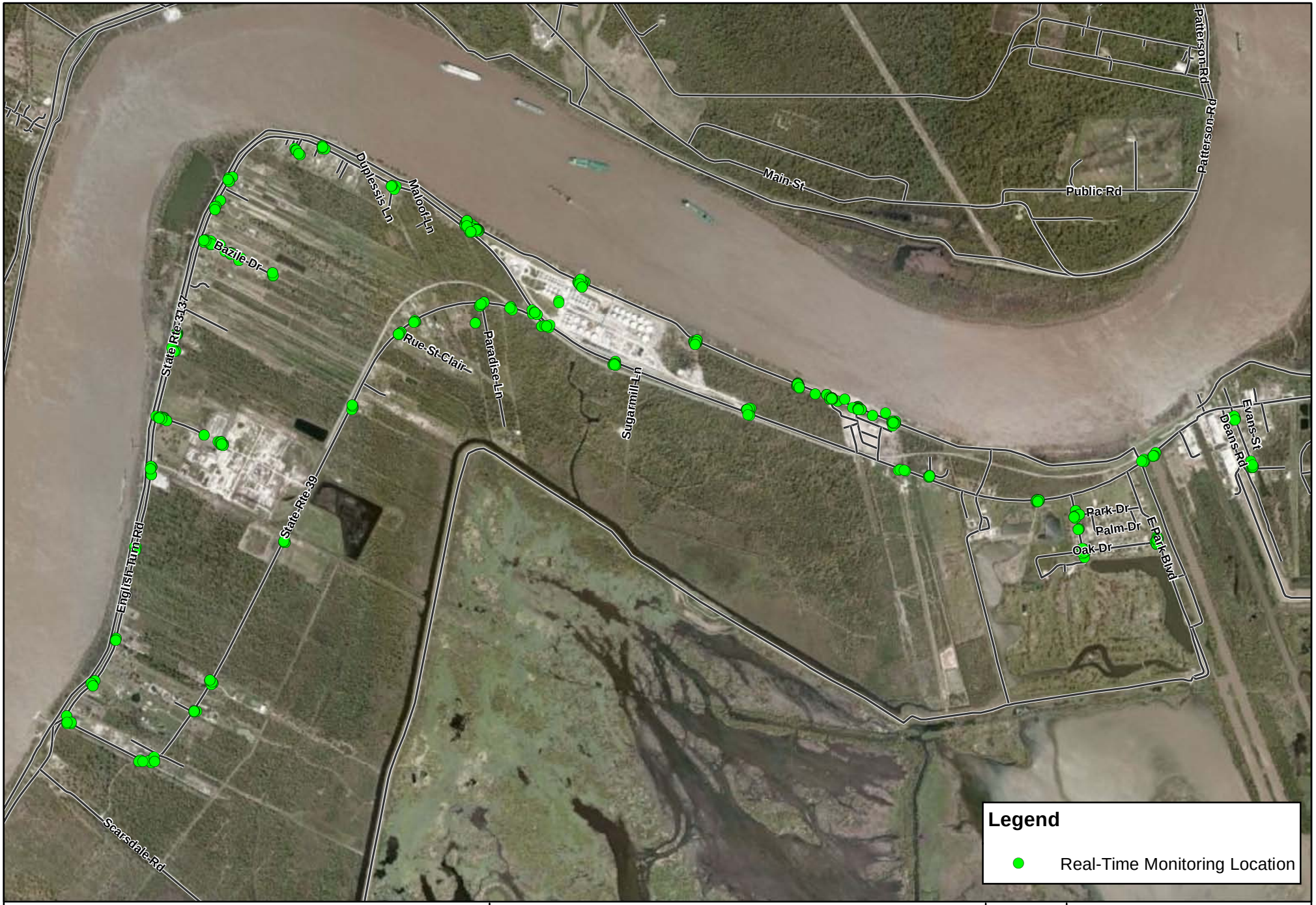

Community Real-Time Monitoring Locations

10/08/2012

0 0.25 0.5 0.75 1 1.25
Miles

N

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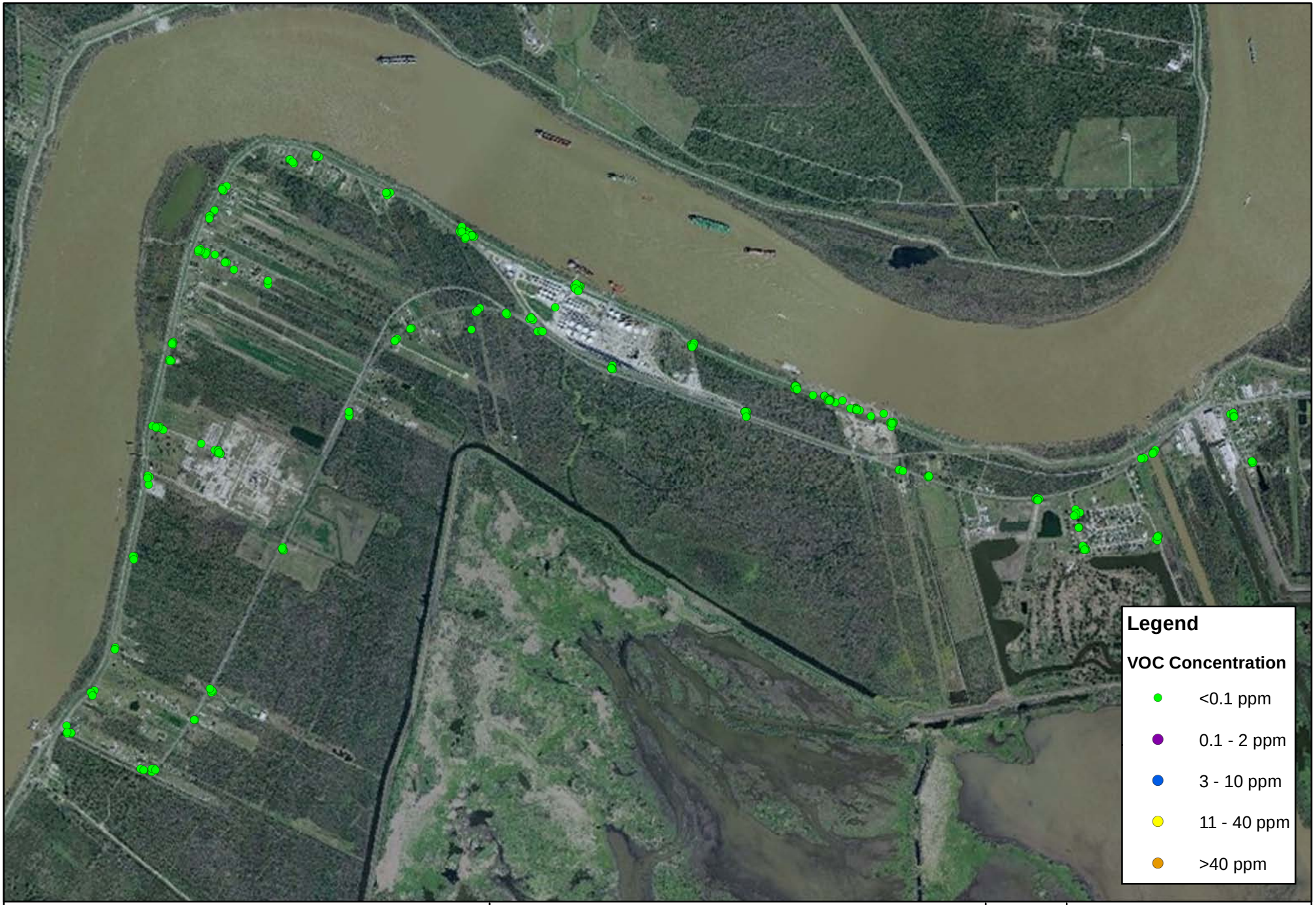
Braithwaite, LA
Plaquemines Parish
Print Date: 10/9/2012



Manually-Logged Community VOC Concentrations

10/08/2012

0 0.25 0.5 0.75 1 1.25
Miles

N

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