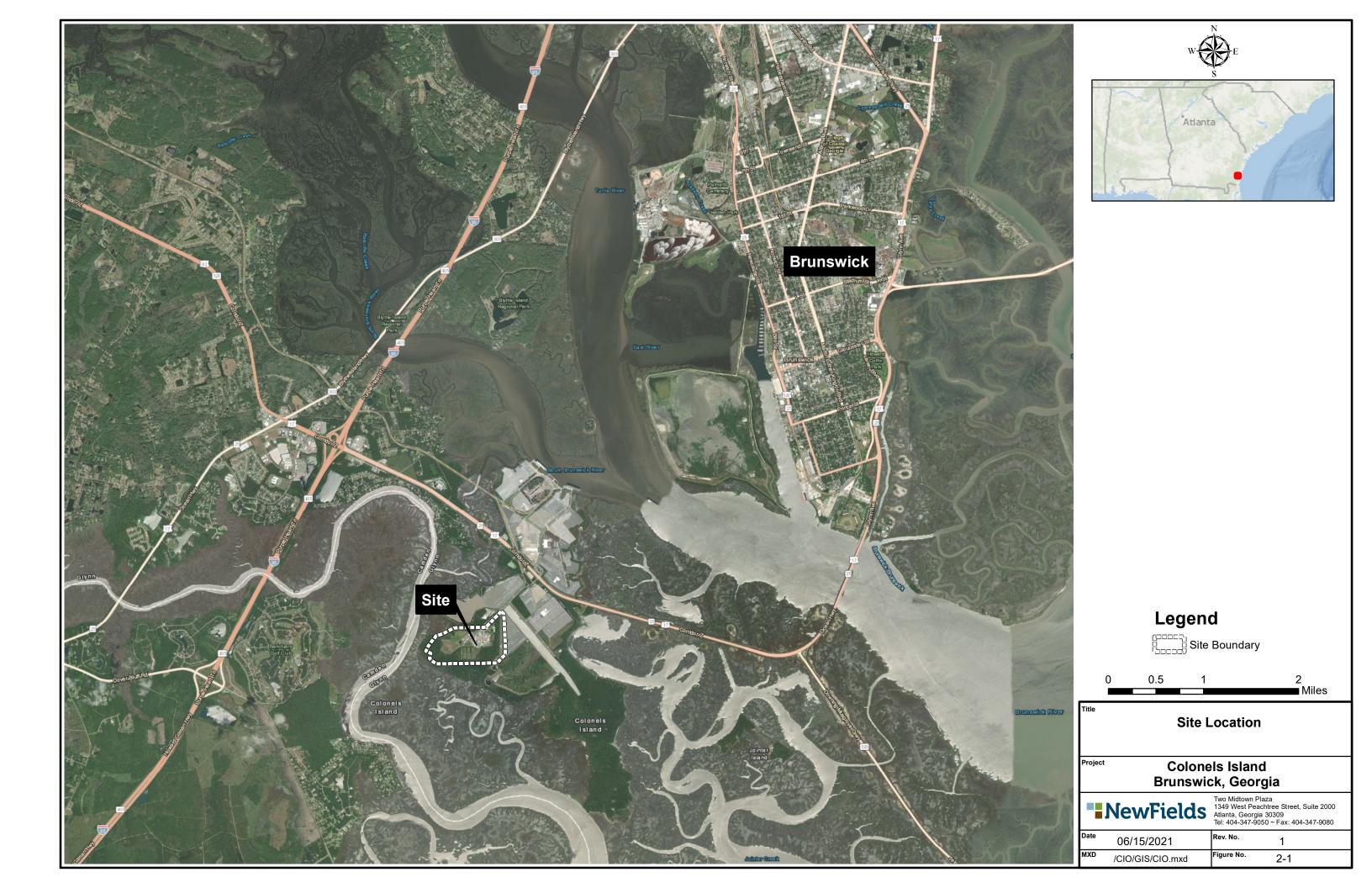
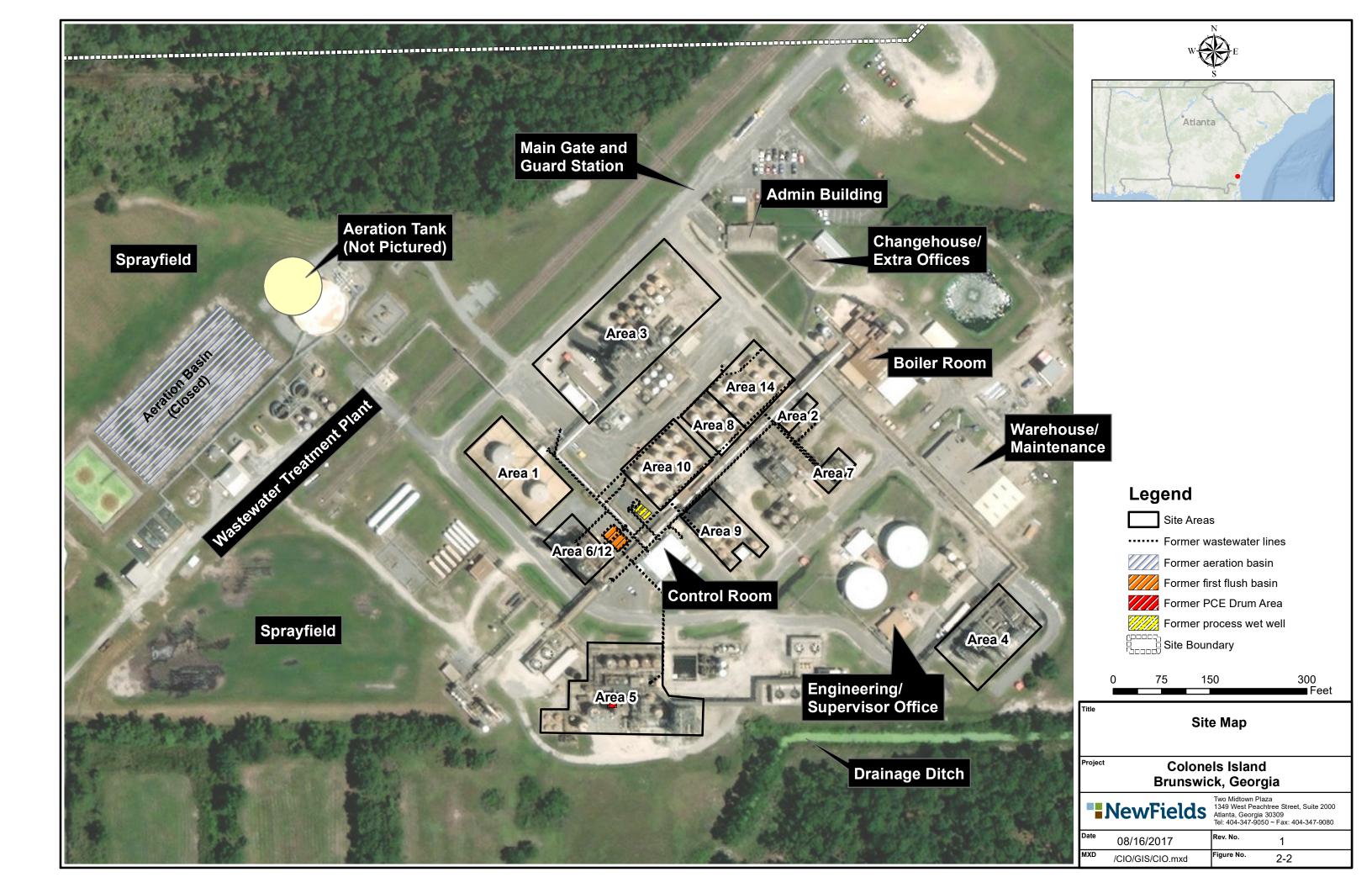
Figures





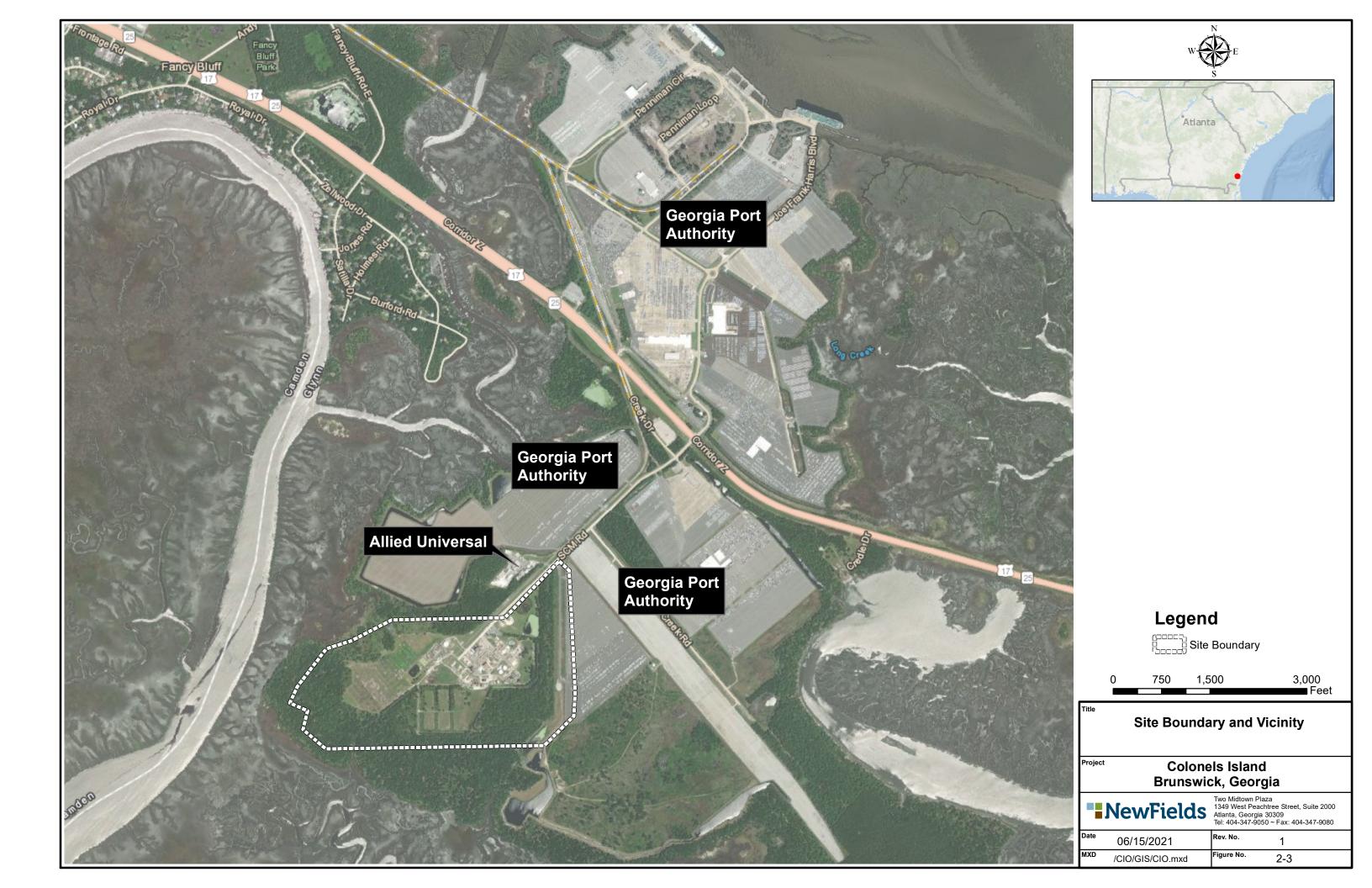
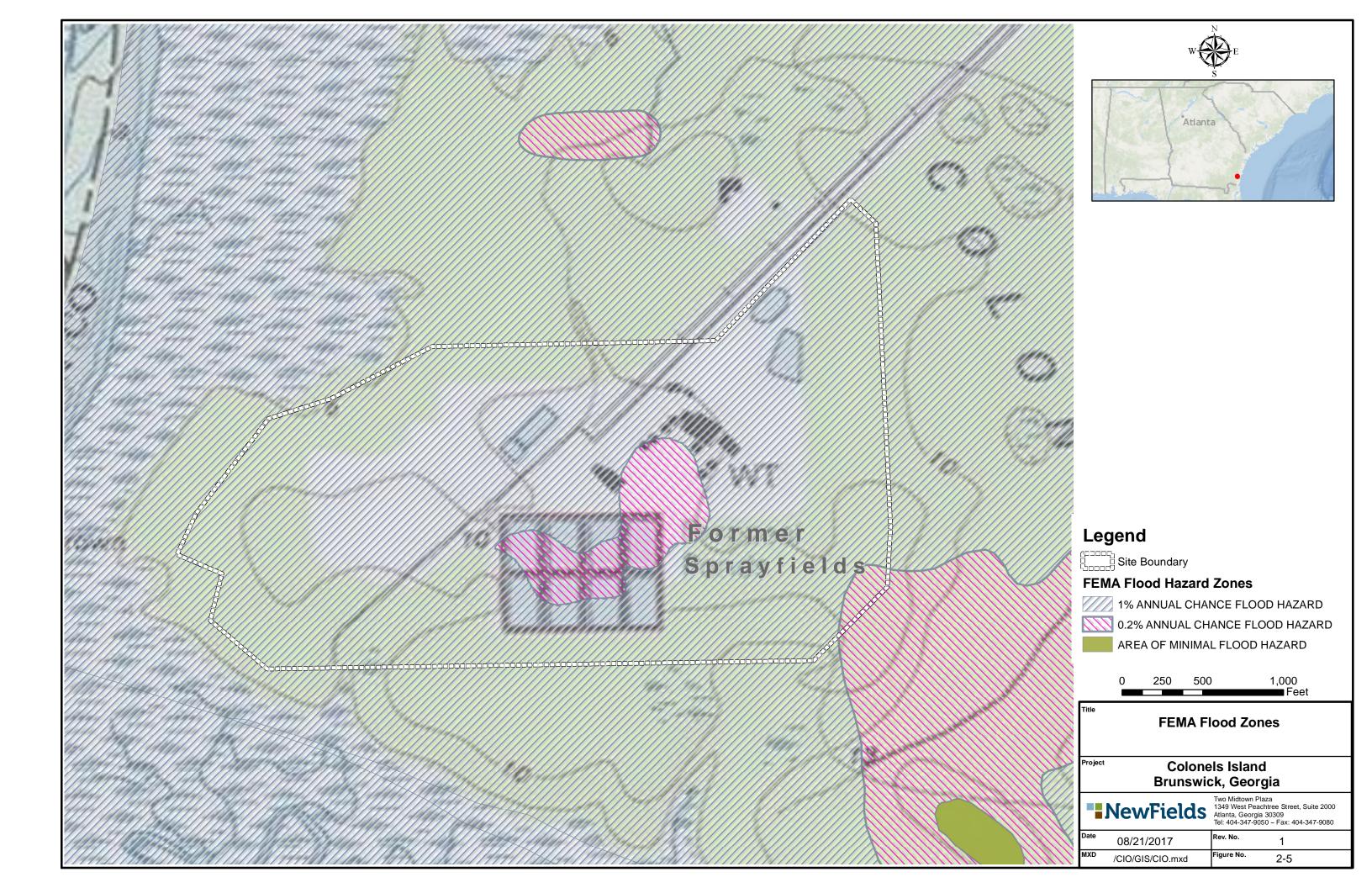
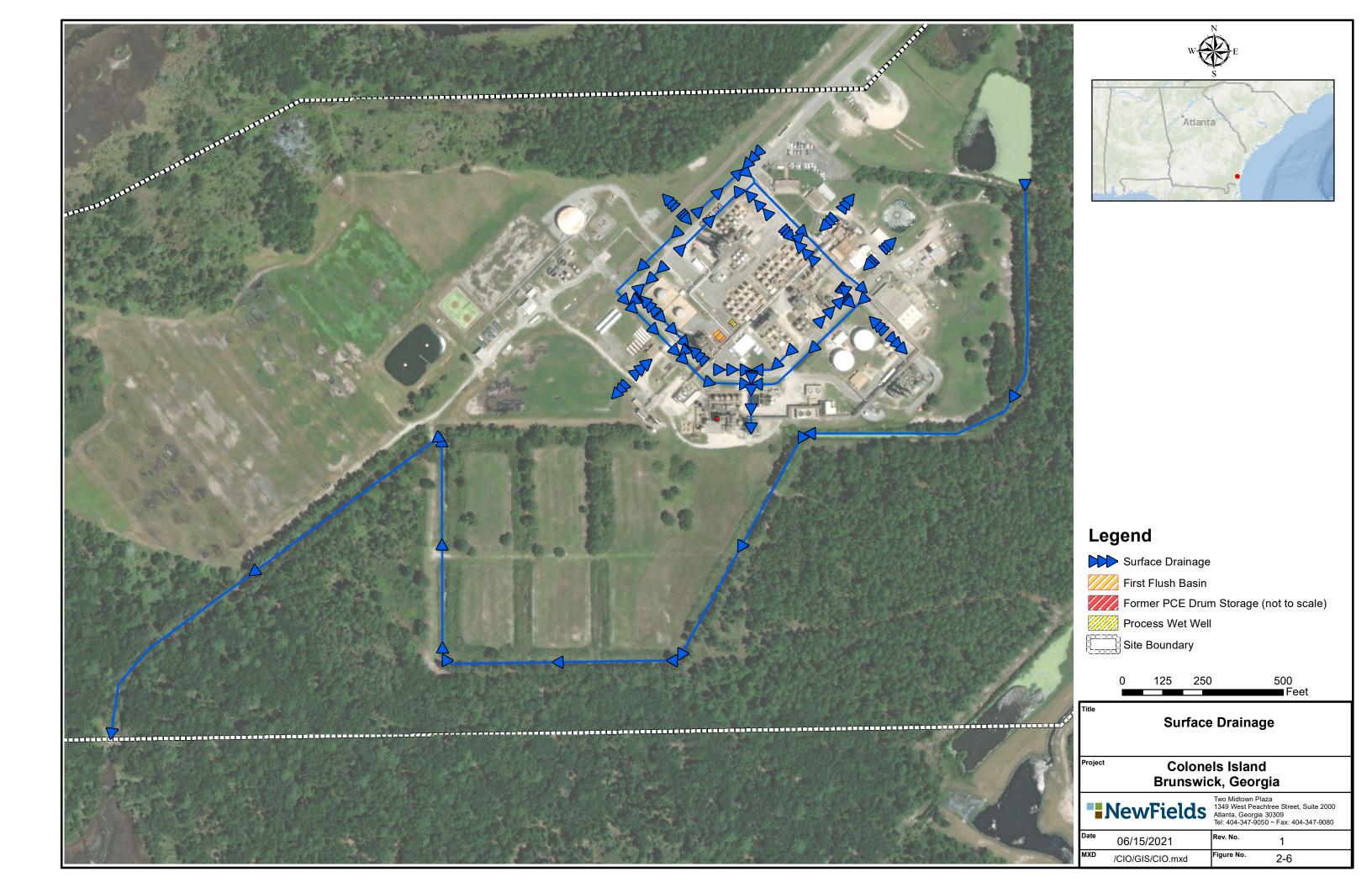
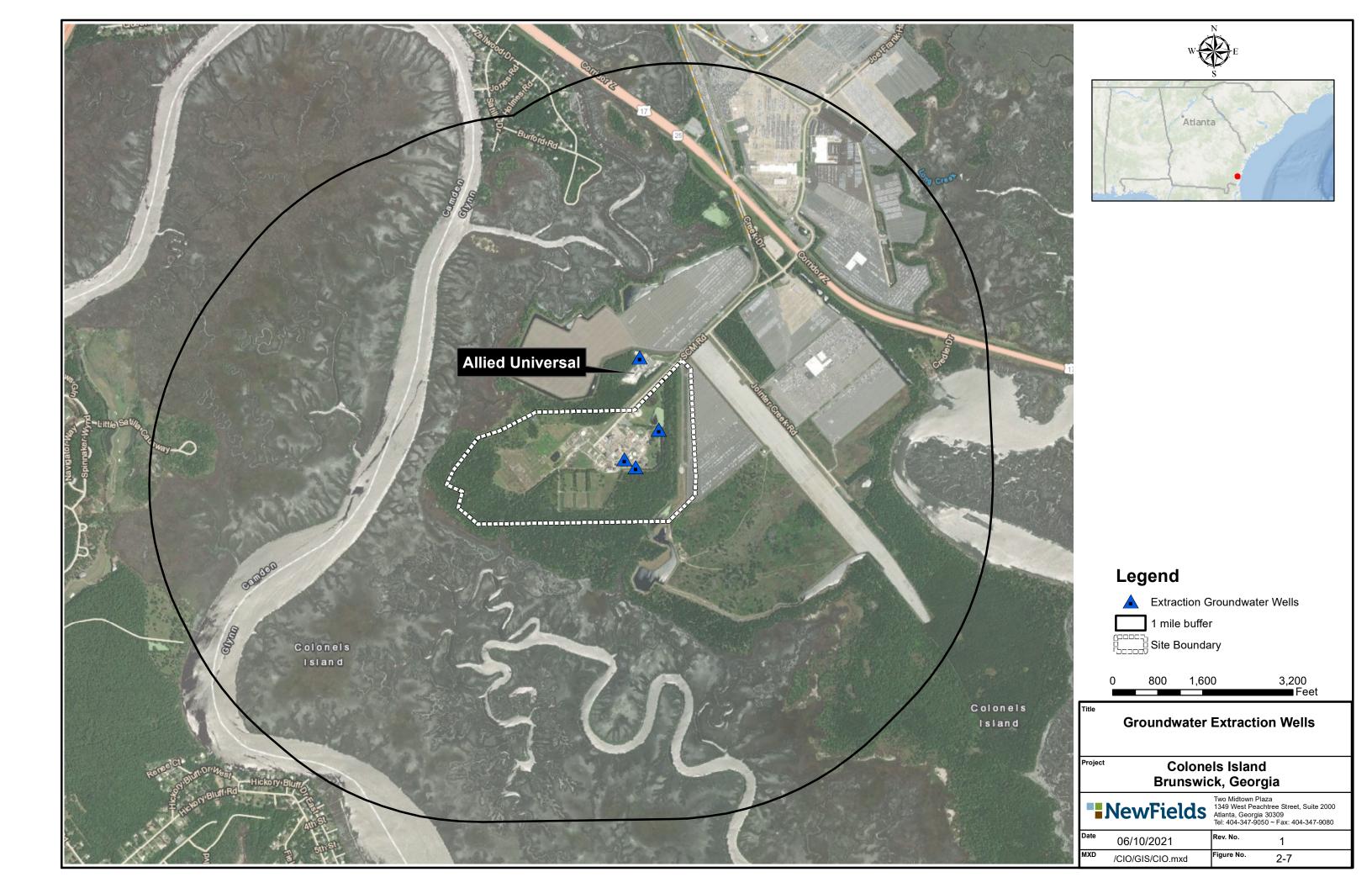


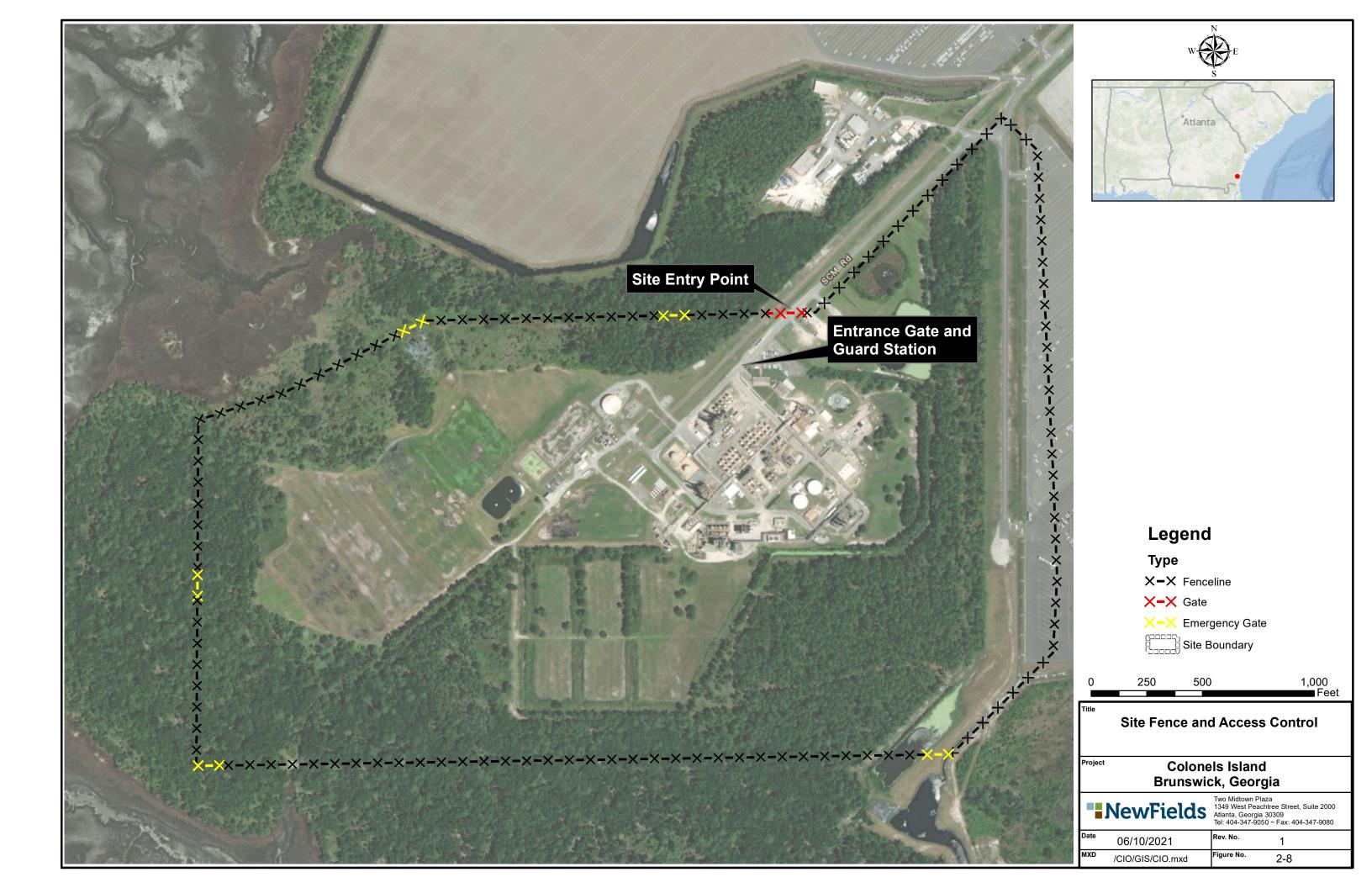
Figure 2-4 - Topographic Map

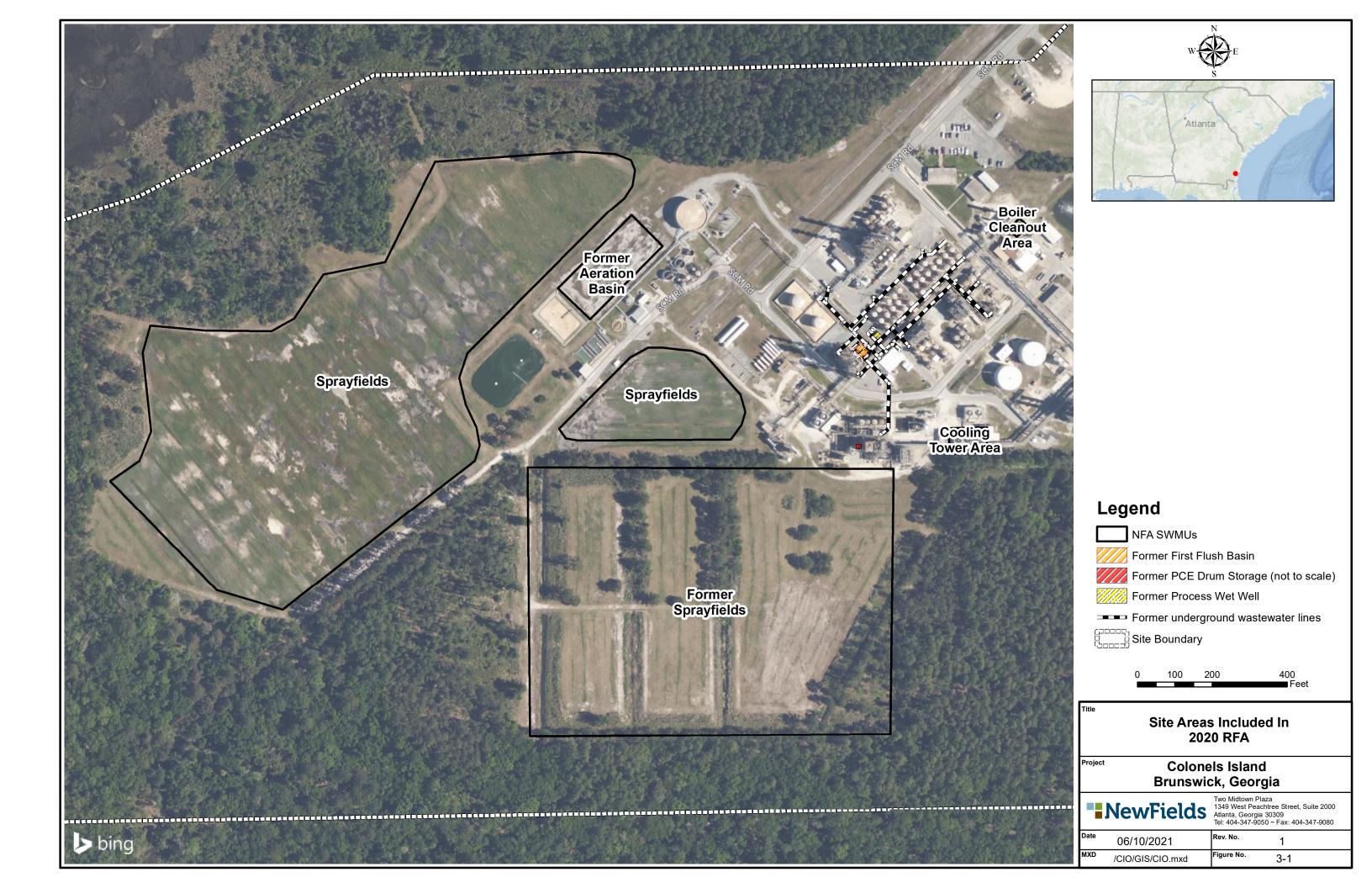














Former Process Wet Well

Former PCE Drum Area



Former First Flush Basin



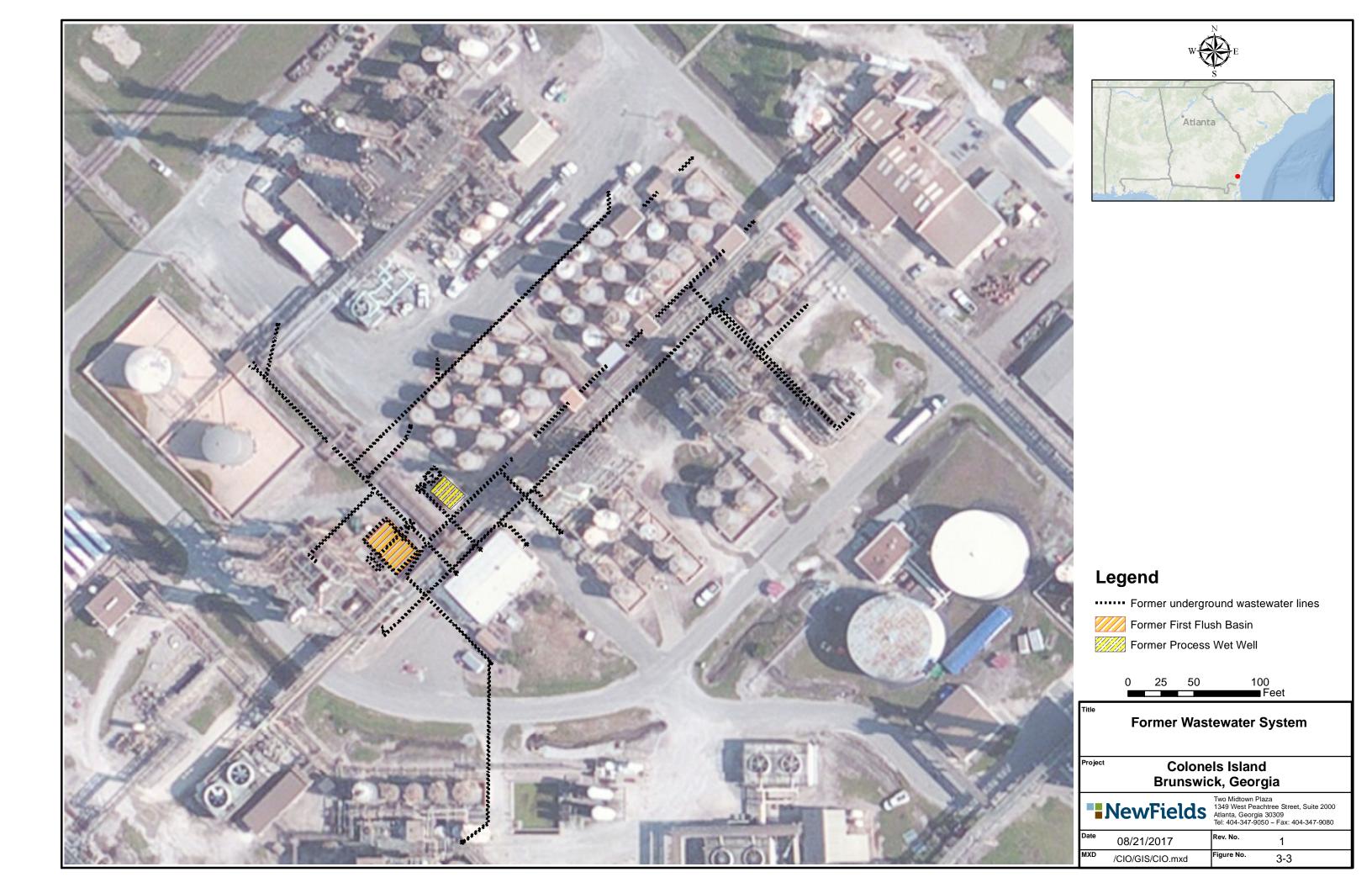
Photographs of Former WW Units and AOC

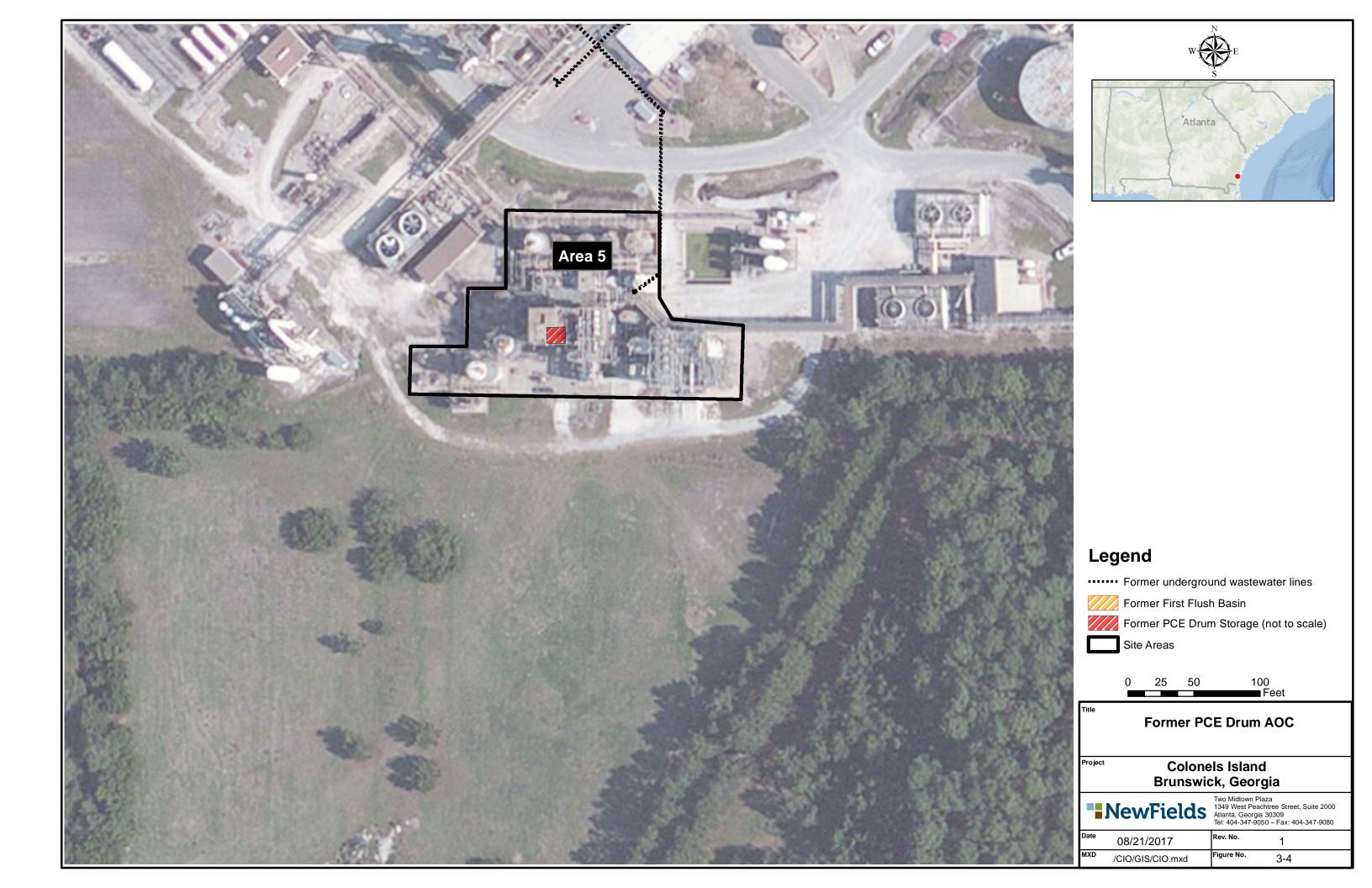


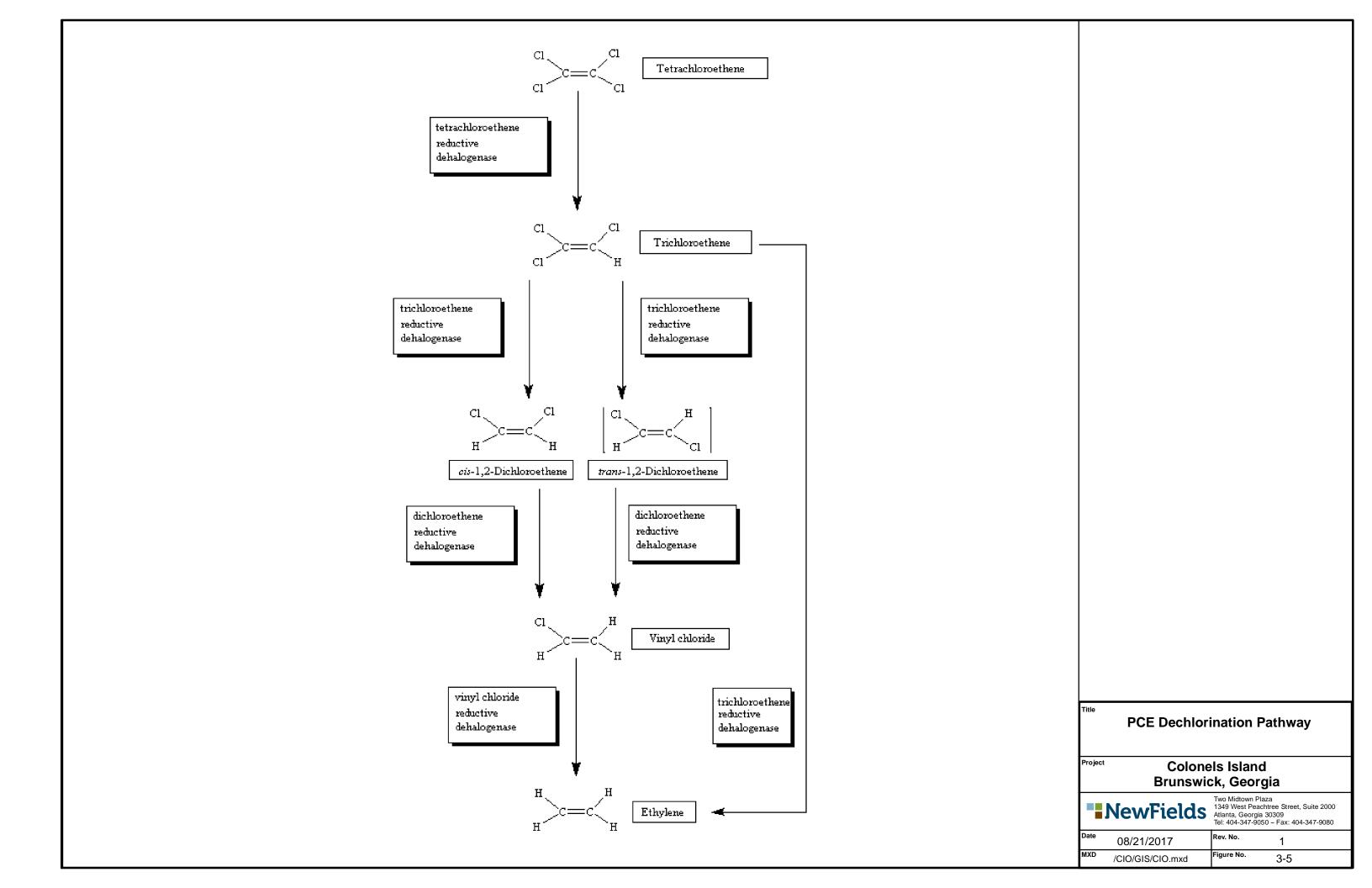
Colonels Island
Brunswick, Georgia

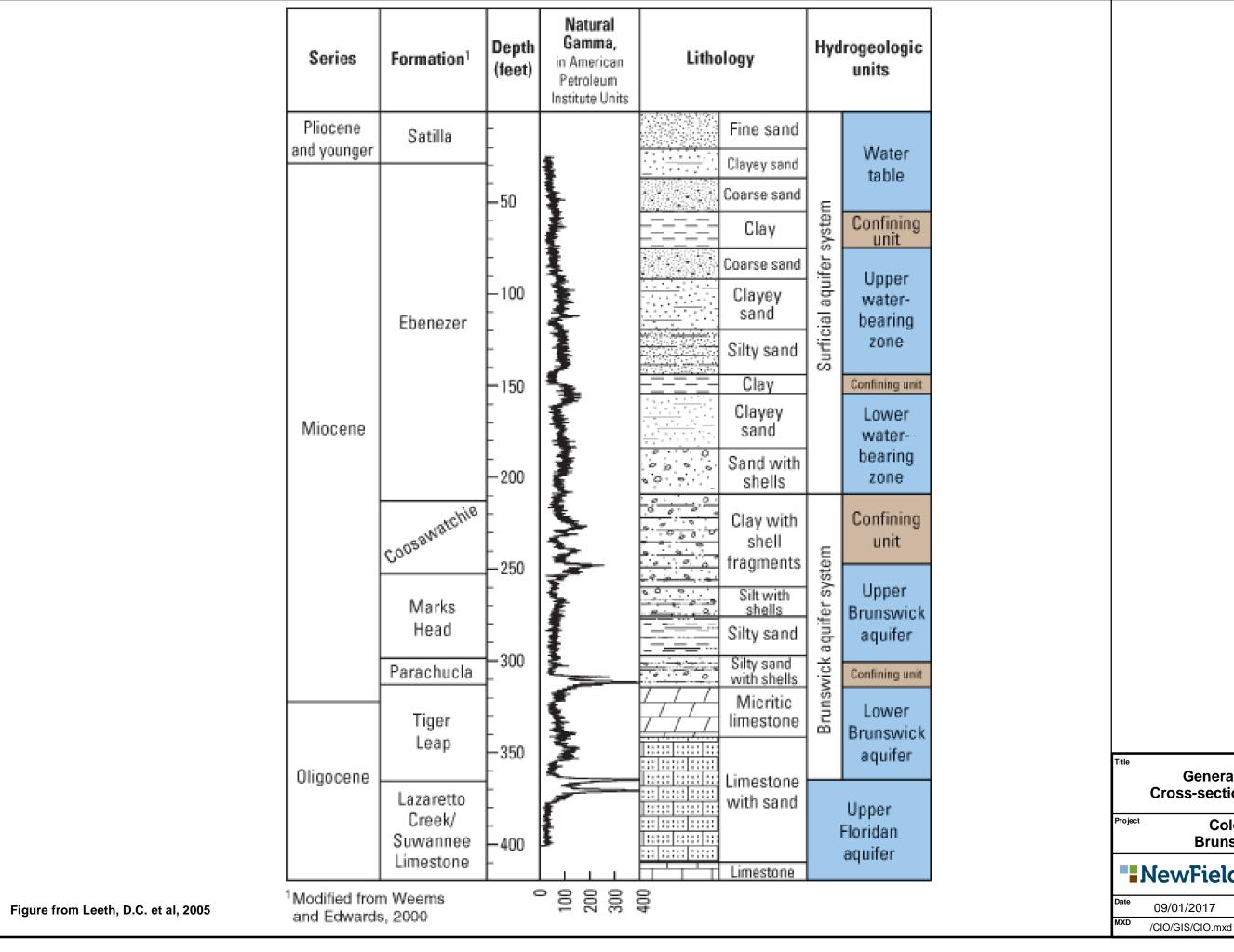
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Date	08/21/2017	Rev. No.	1
MXD	/CIO/GIS/CIO.mxd	Figure No.	3-2









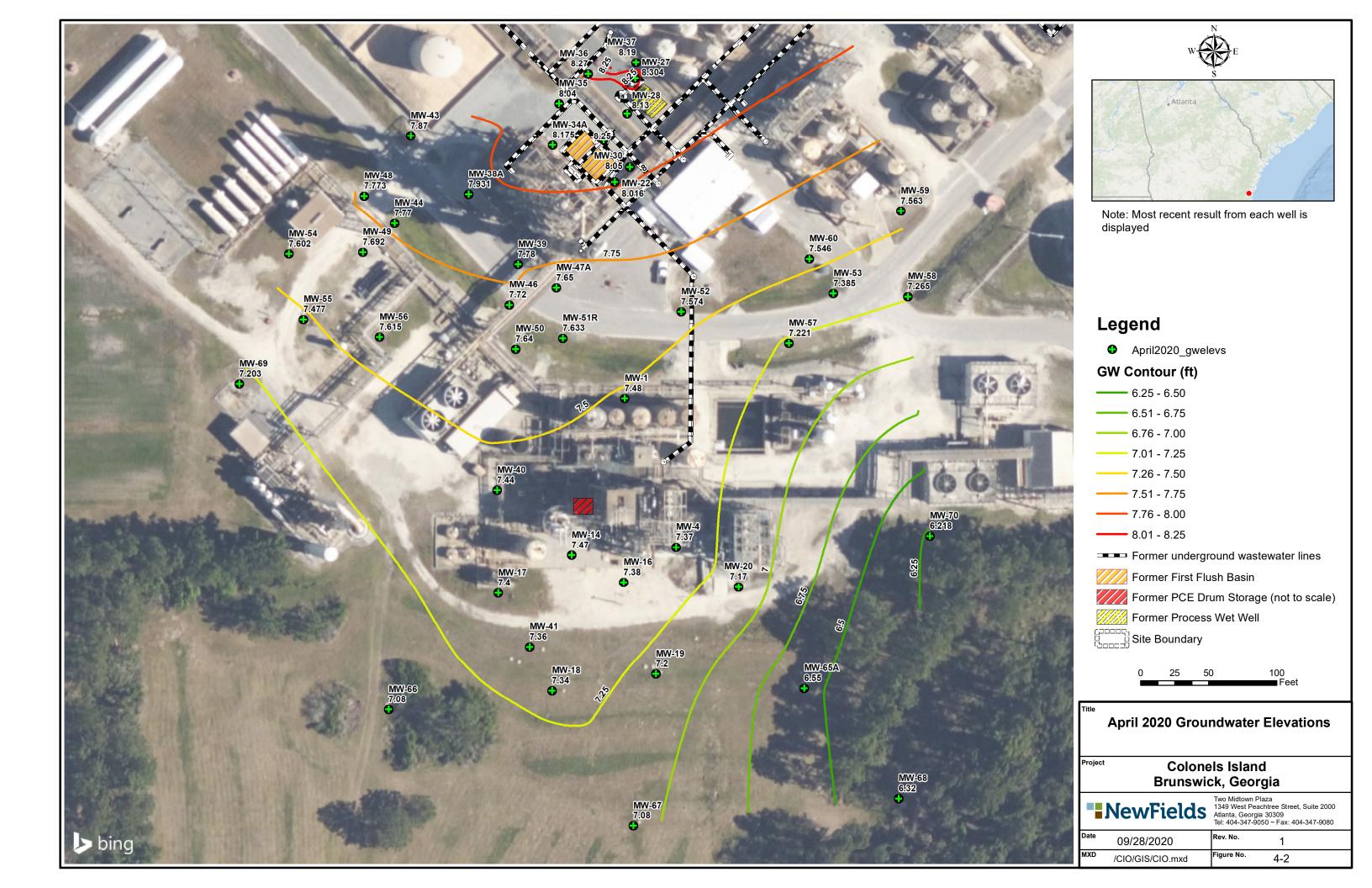
General Hydrogeologic Cross-section for Brunswick, GA

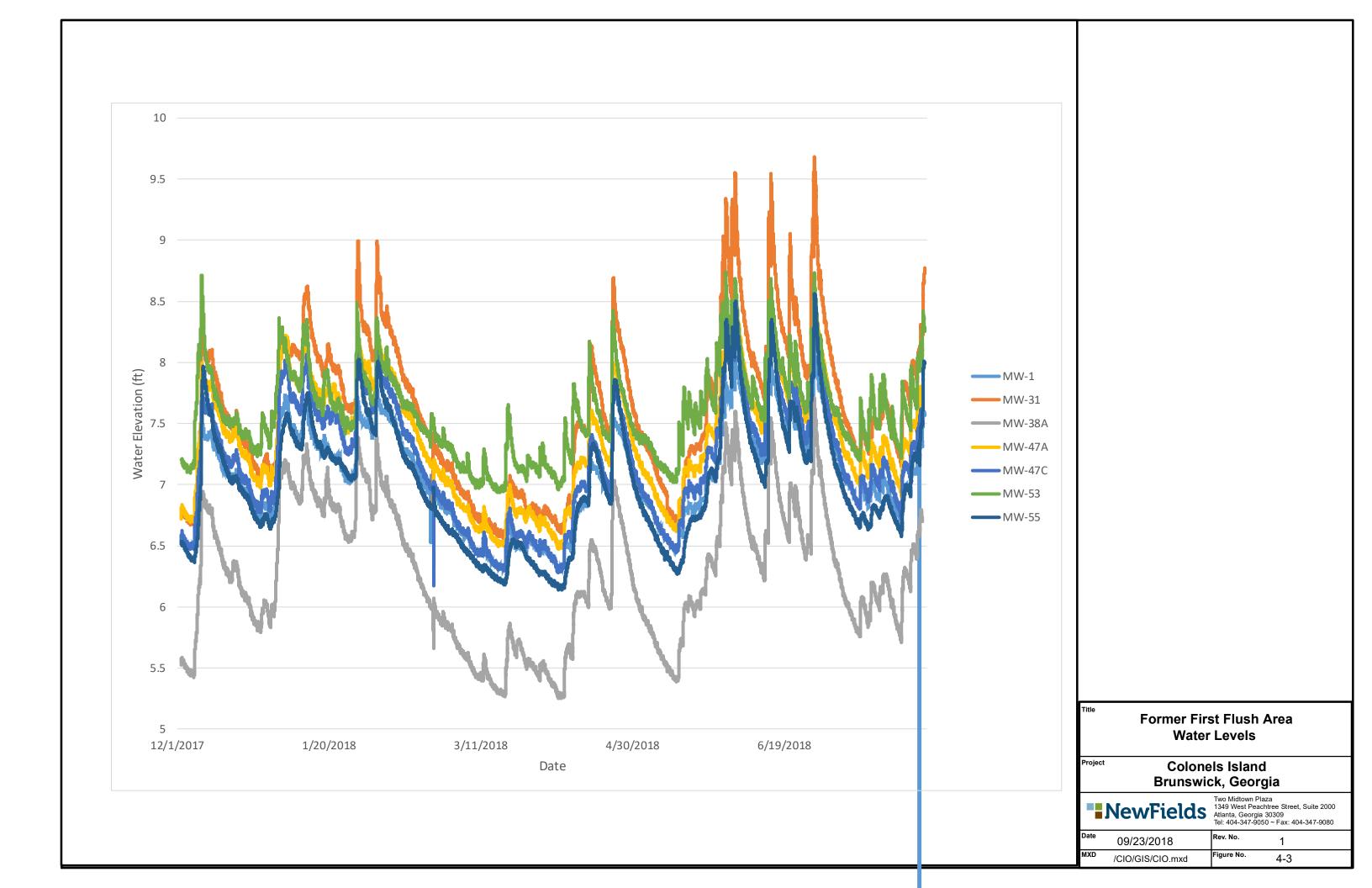
Colonels Island Brunswick, Georgia

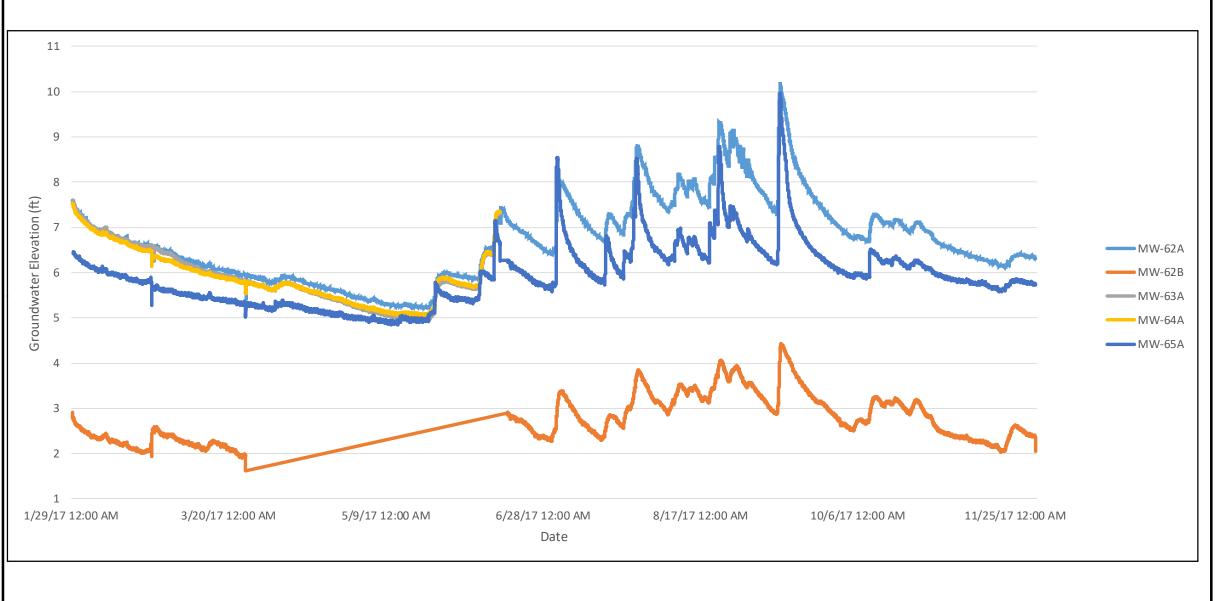


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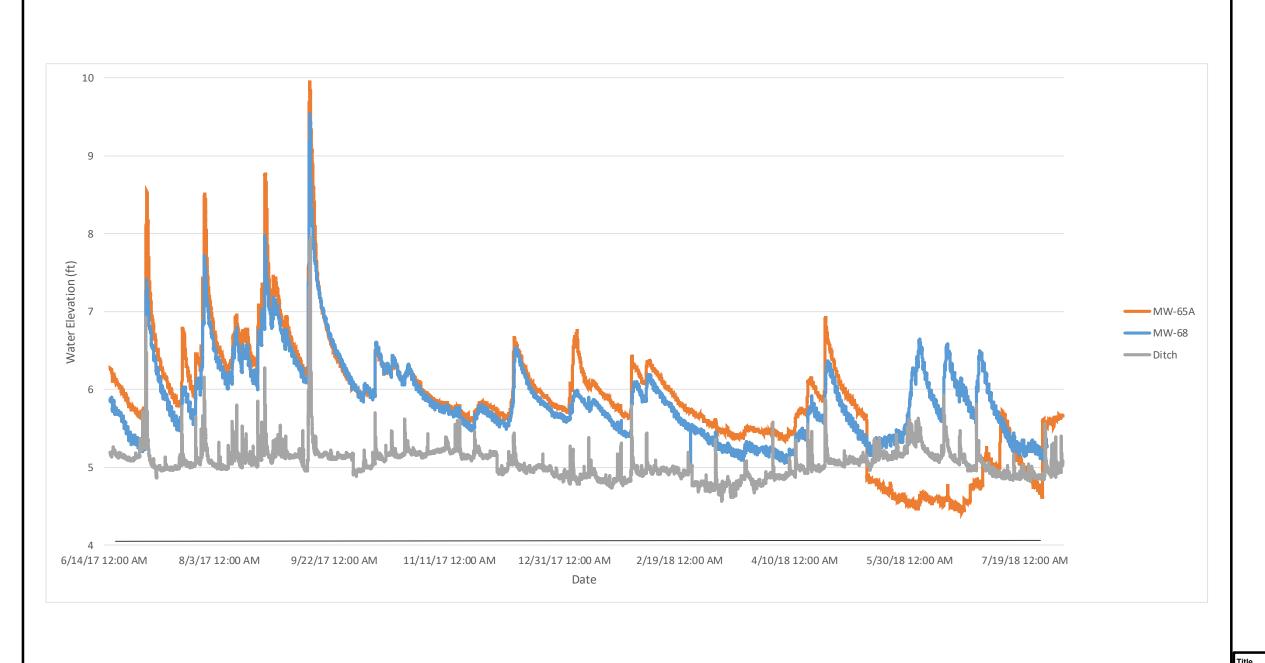


PCE Drum Area Water Levels

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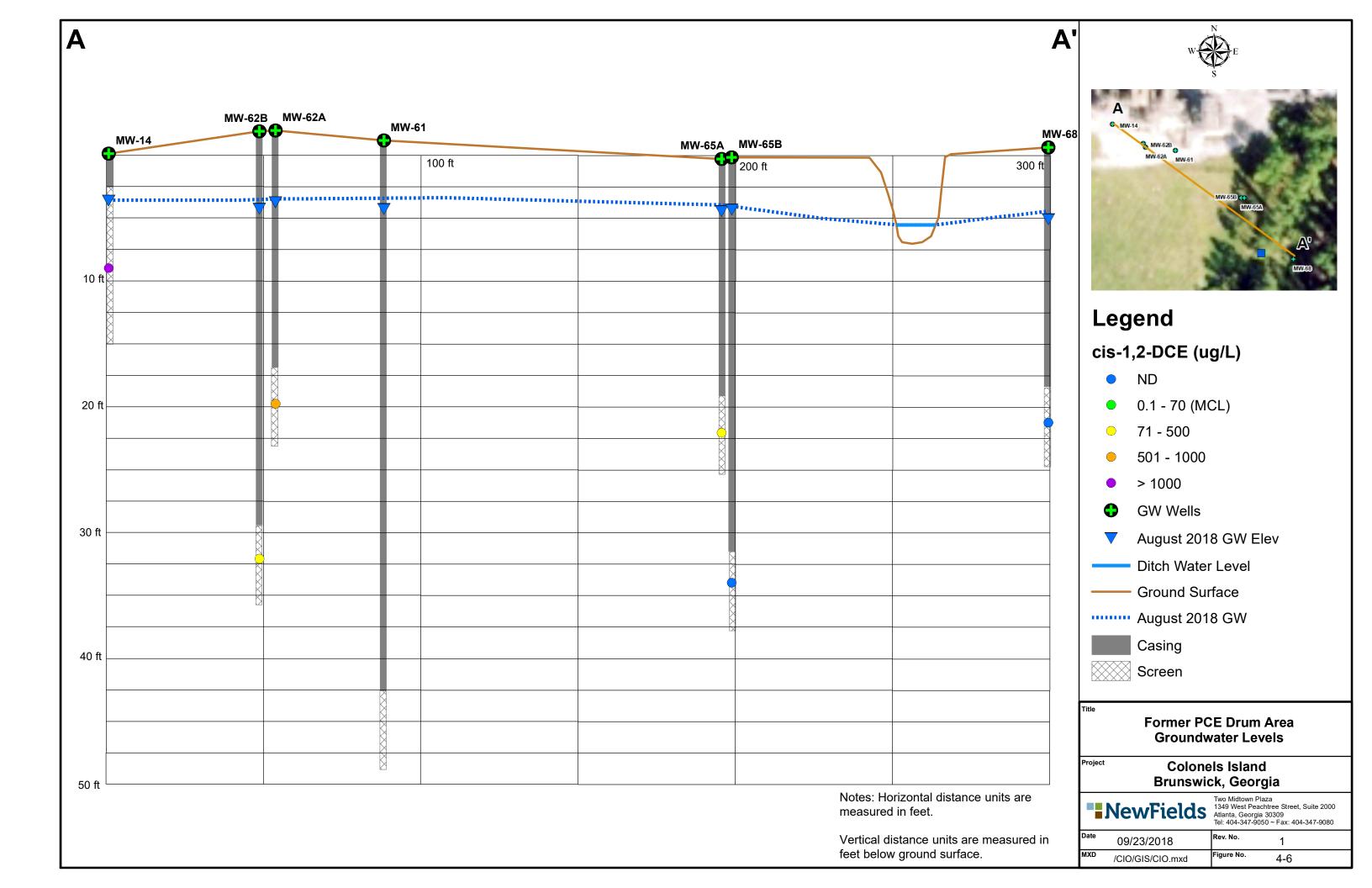


Ditch Area Water Levels

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GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis Evaluation Date: 15-Apr-21 Job ID: Facility Name: Symrise Colonels Island Constituent: Benzene Concentration Units: ug/L Conducted By: ND MW-38A MW-47A MW-55 Sampling Point ID: MW-39 MW-51 MW-49 BENZENE CONCENTRATION (ug/L) 17-Jul-15 1100 900 89 0 100 170 25-Jul-16 1300 1100 1200 170 3 13-Dec-16 1200 1200 1000 160 4 31 1100 61 5 840 990 3.3 14-Jun-17 1100 6 29-Sep-17 878 711 755 19 958 114 870 340 468 11.4 45 8 23-Feb-18 544 453 177 113 9 11-May-18 803 178 904 201 21.6 10 377 4.3 192 8.3 6.9 2 3-Aug-18 11 18-Oct-18 341 442 345 16 367 12 25-Apr-19 401 207 324 2.3 124 0 13 22-Nov-19 203 131 256 1.8 199 0 14 29-Apr-20 289 52.7 0 169 0 15 27-Oct-20 65.3 0 89.8 163 16 17 18 19 20 Coefficient of Variation: 0.60 1.10 1.26 Mann-Kendall Statistic (S) Confidence Factor: 86.0% 52.4% **Concentration Trend:** No Trend Decreasing Decreasing Decreasing No Trend Decreasing 10000 -MW-38A -MW-39 Concentration (ug/L) 1000 - MW-47A MW-55 100 MW-51 -MW-49 10 02/19 12/14 05/16 09/17 06/20 10/21 **Sampling Date**

Notes

- 1. At least four independent sampling events per well are required for calculating the trend. Methodology is valid for 4 to 40 samples.
- Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing;
 ≥ 90% = Probably Increasing or Probably Decreasing;
 < 90% and S>0 = No Trend;
 < 90%, S≤0, and COV ≥ 1 = No Trend;
 < 90% and COV < 1 = Stable.
- 3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, Ground Water, 41(3):355-367, 2003.

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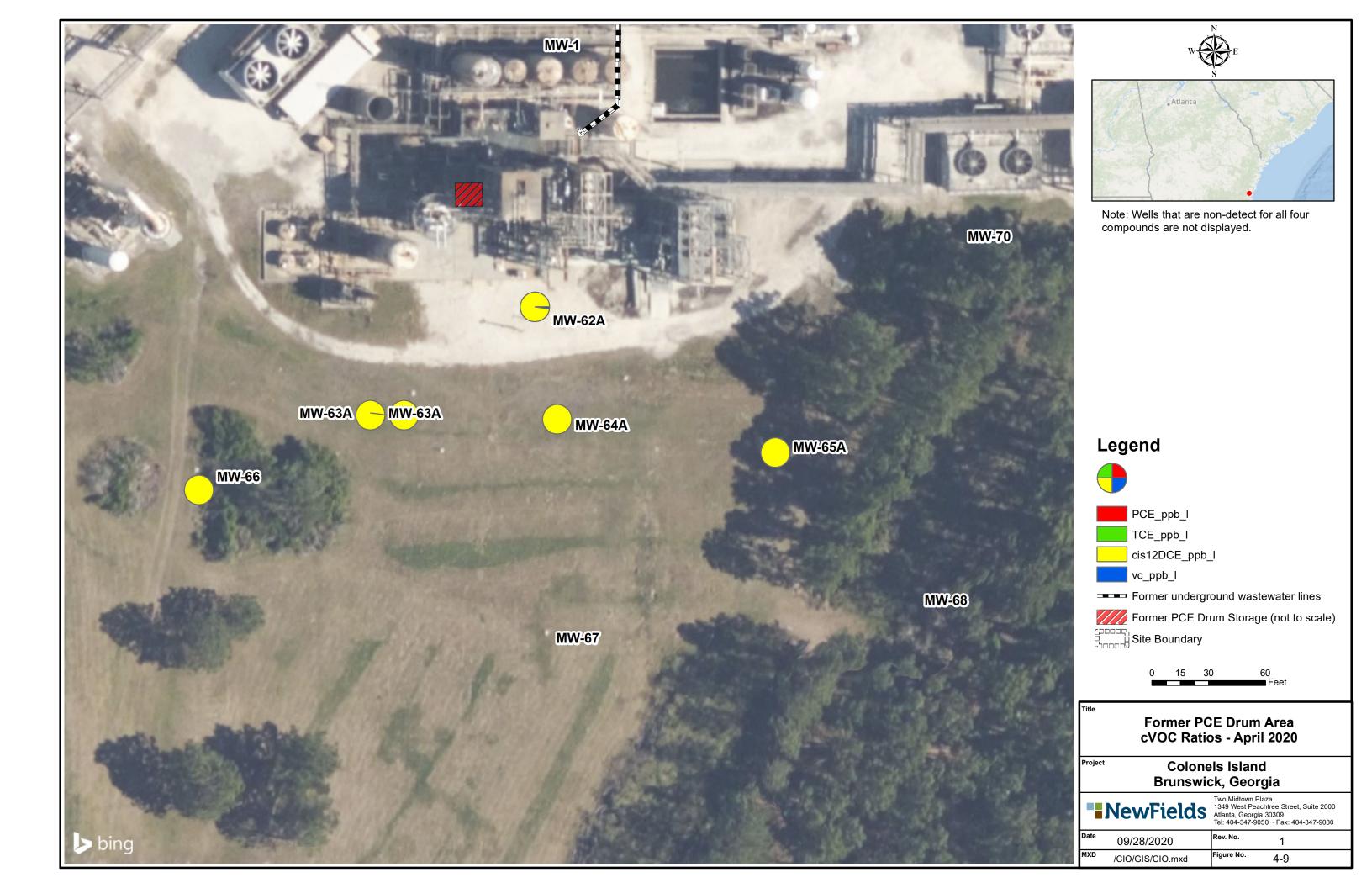
GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis Evaluation Date: 21-Feb-19 Job ID: Facility Name: Symrise Colonels Island Constituent: cis-DCE Concentration Units: ug/L Conducted By: ND MW-63A MW-64A Sampling Point ID: MW-14 MW-62A MW-65A CIS-DCE CONCENTRATION (ug/L) 25-Mar-17 130 1800 780 100 14-Jun-17 850 780 130 3 30-Sep-17 812 520 146 79 217 4 19.5 1610 5 24-Feb-18 2570 1230 211 89.9 220 6 11-May-18 2700 768 248 44.3 172 4-Aug-18 696 335 6.6 8 2870 650 633 223 22-Nov-19 1110 461 151 259 220 10 435 217 371 29-Apr-20 222 59.5 11 28-Oct-20 186 31.6 12 13 14 15 16 17 18 19 20 Coefficient of Variation: 0.43 0.46 0.29 Mann-Kendall Statistic (S) Confidence Factor: 87.0% 89.1% 61.9% 45.1% **Concentration Trend:** No Trend Stable Decreasing No Trend No Trend 10000 MW-14 MW-62A Concentration (ug/L) 1000 MW-63A MW-64A MW-65A 100 10 08/16 03/17 09/17 04/18 10/18 05/19 12/19 06/20 01/21 **Sampling Date**

Notes

- 1. At least four independent sampling events per well are required for calculating the trend. Methodology is valid for 4 to 40 samples.
- Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing;
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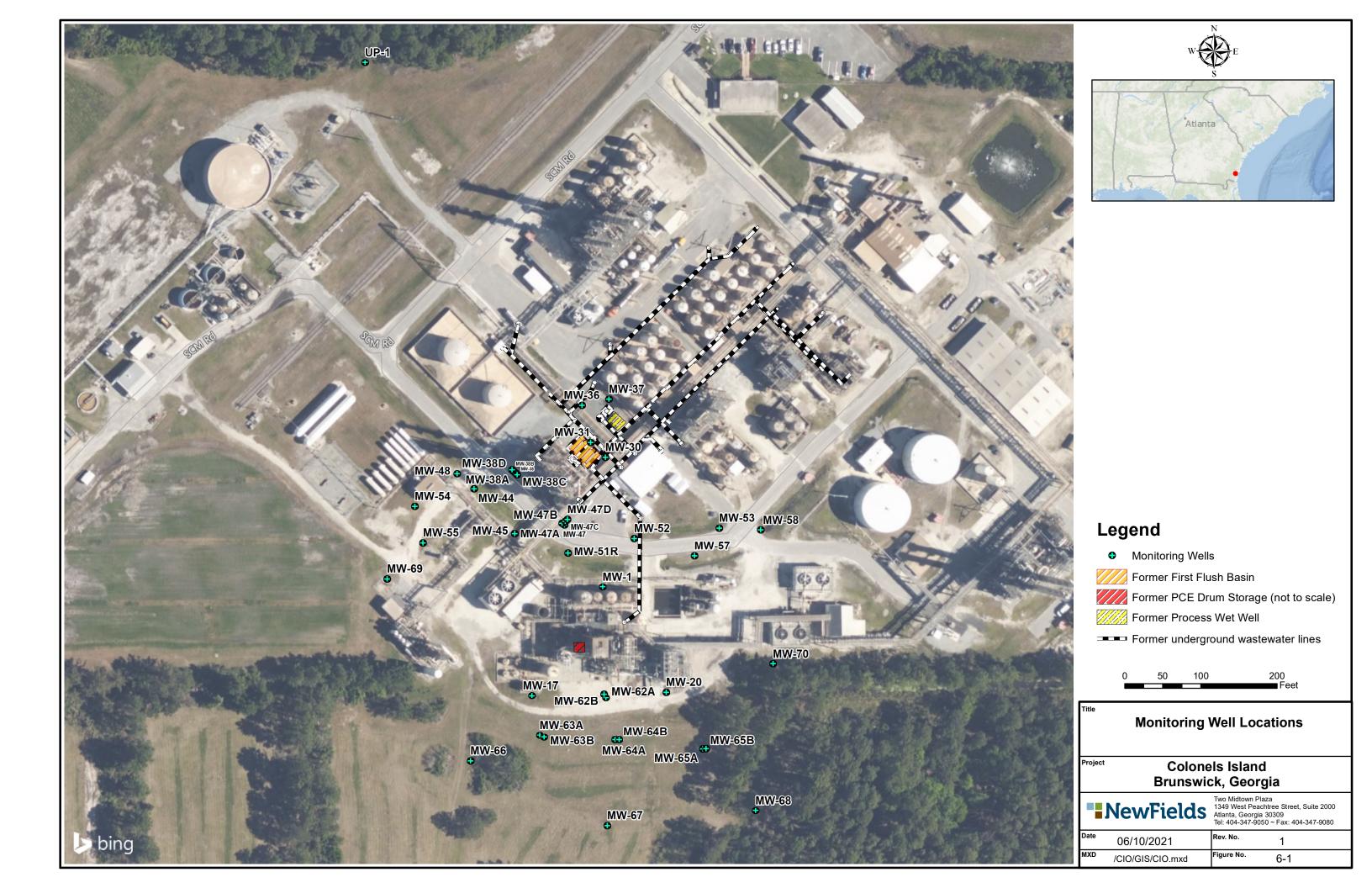
valuation Date	Symrise Colo					Vinyl Chloride				
Conducted By: ND				Concentration Units: ug/L			1			
	pling Point ID:	MW-14	MW-62A	MW-64A	MW-65A	MW-63A				
Sampling Event	Sampling Date	VINYL CHLORIDE CONCENTRATION (ug/L)								
1	25-Mar-17	14	28	1.3	0	2.7				
2	14-Jun-17	6.7	28	0	3.3	3.8				
3	30-Sep-17	23.5	15	1.3	0	4.9				
4	1-Dec-17	18.9	36.4		0	0				
5	24-Feb-18	18.2	34.2	1.7	1.2	6.8				
6 7	11-May-18 4-Aug-18	30.1 14.5	39.6 16.7	1.1 0	3.8	8.7 7	-	+		
8	26-Apr-19	19.6	14	5.4	1.8	10.1				
9	22-Nov-19	12	8	8.9	3	3.5				
10	29-Apr-20		10.3	0	0	0				
11	28-Oct-20		4.1	0	0	1.5				
12										
13 14										
15	+									
16	+									
17										
18										
19										
20 Coefficien	nt of Variation:	0.39	0.58	1.49	1.08	0.76				
	all Statistic (S):	2	-28	-2	1.00	2				
Confidence Factor:		 54.0%	98.4%	53.5%	50.0%	53.0%				
Concentration Trend:		No Trend	Decreasing	No Trend	No Trend	No Trend				
• • • • • • • • • • • • • • • • • • • •		no mona	Boorbasing	no mona	no nona	no mona				
	100 -									
								-MW-14		
	$\widehat{}$							-MW-62A		
	Concentration (ug/L)	_								
	<u> </u>							MW-64A		
	<u>_</u>	•						-MW-65A		
	을 10 		/	*	*		-	-MW-63A		
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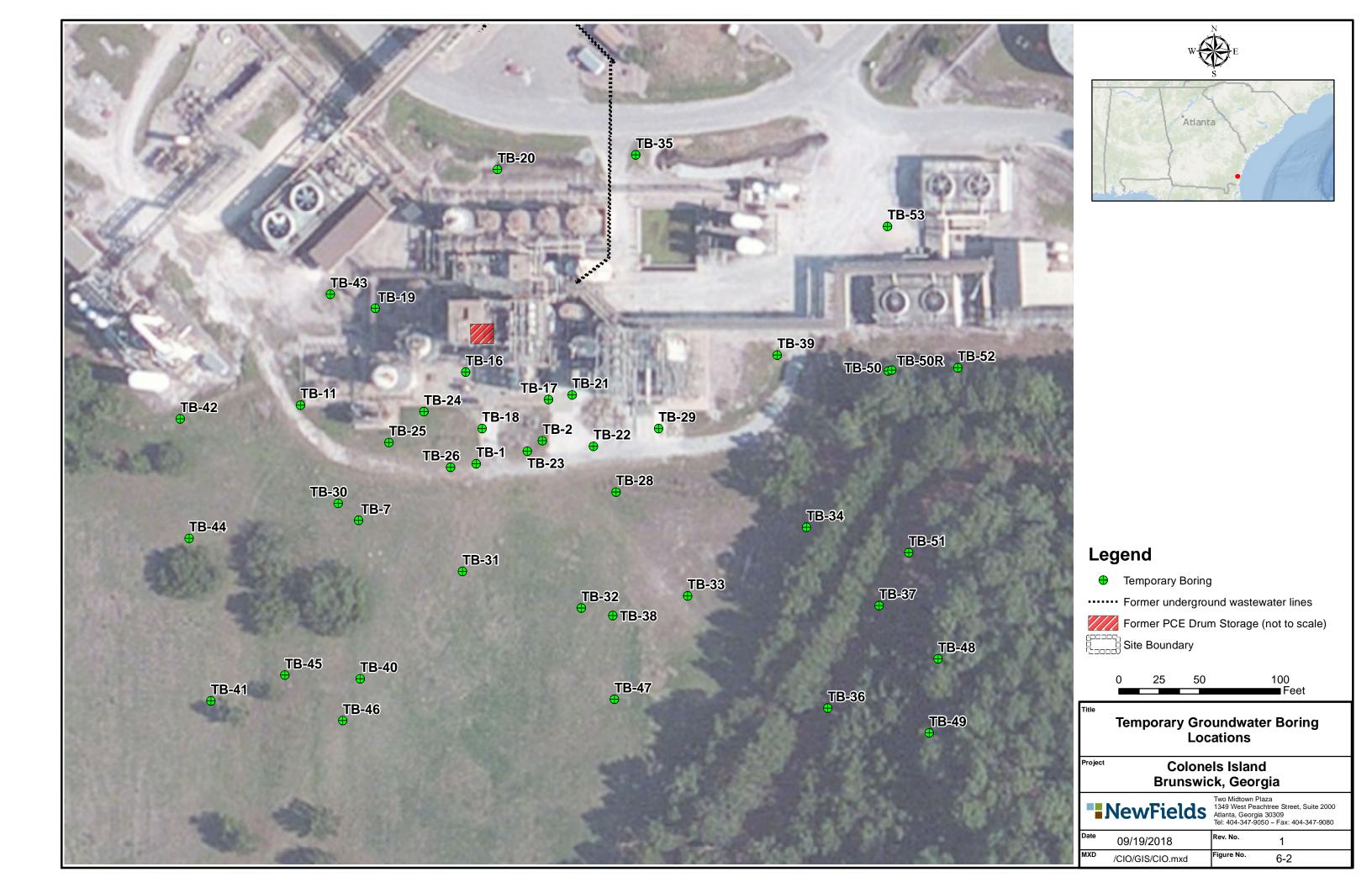
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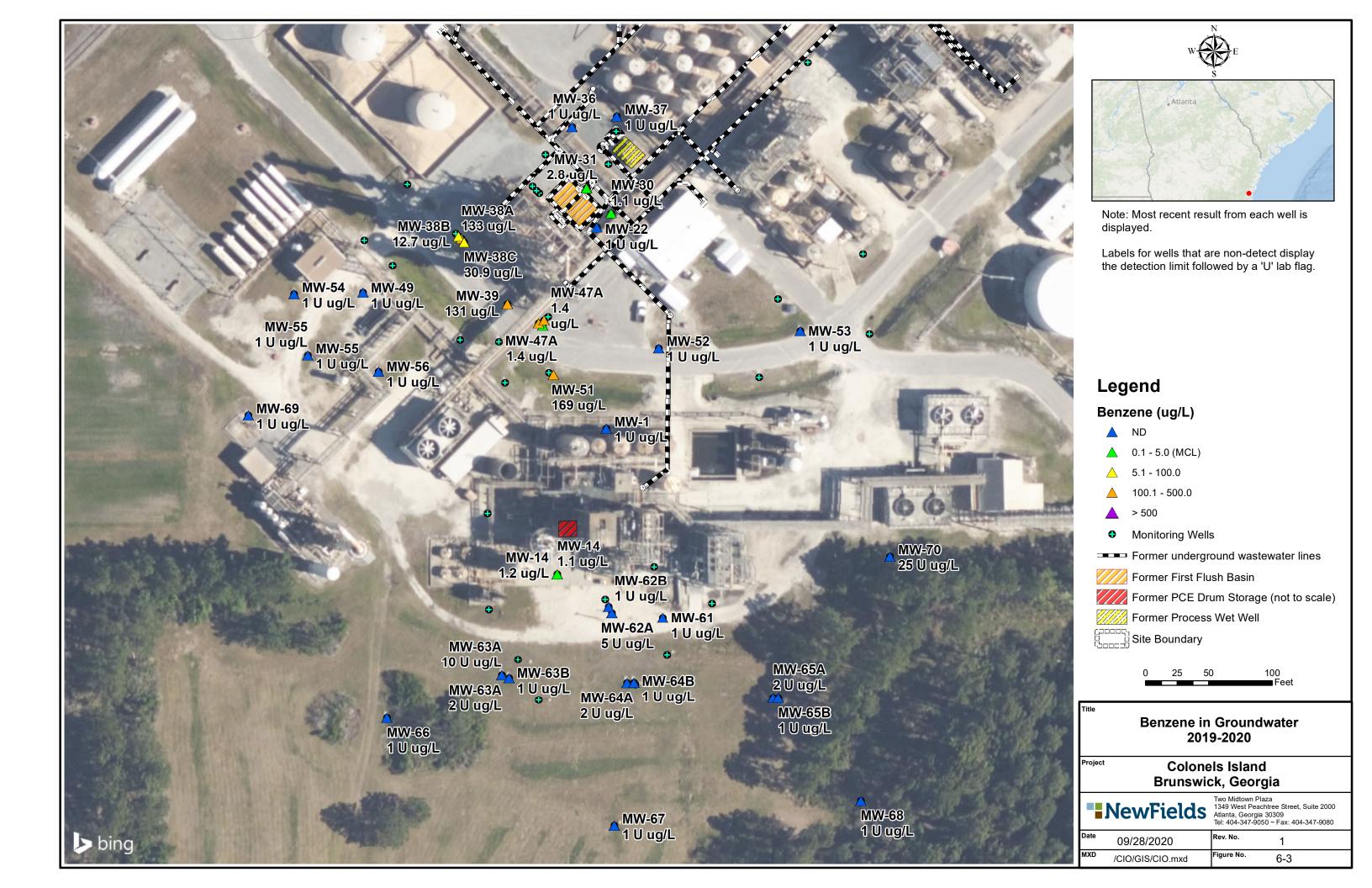
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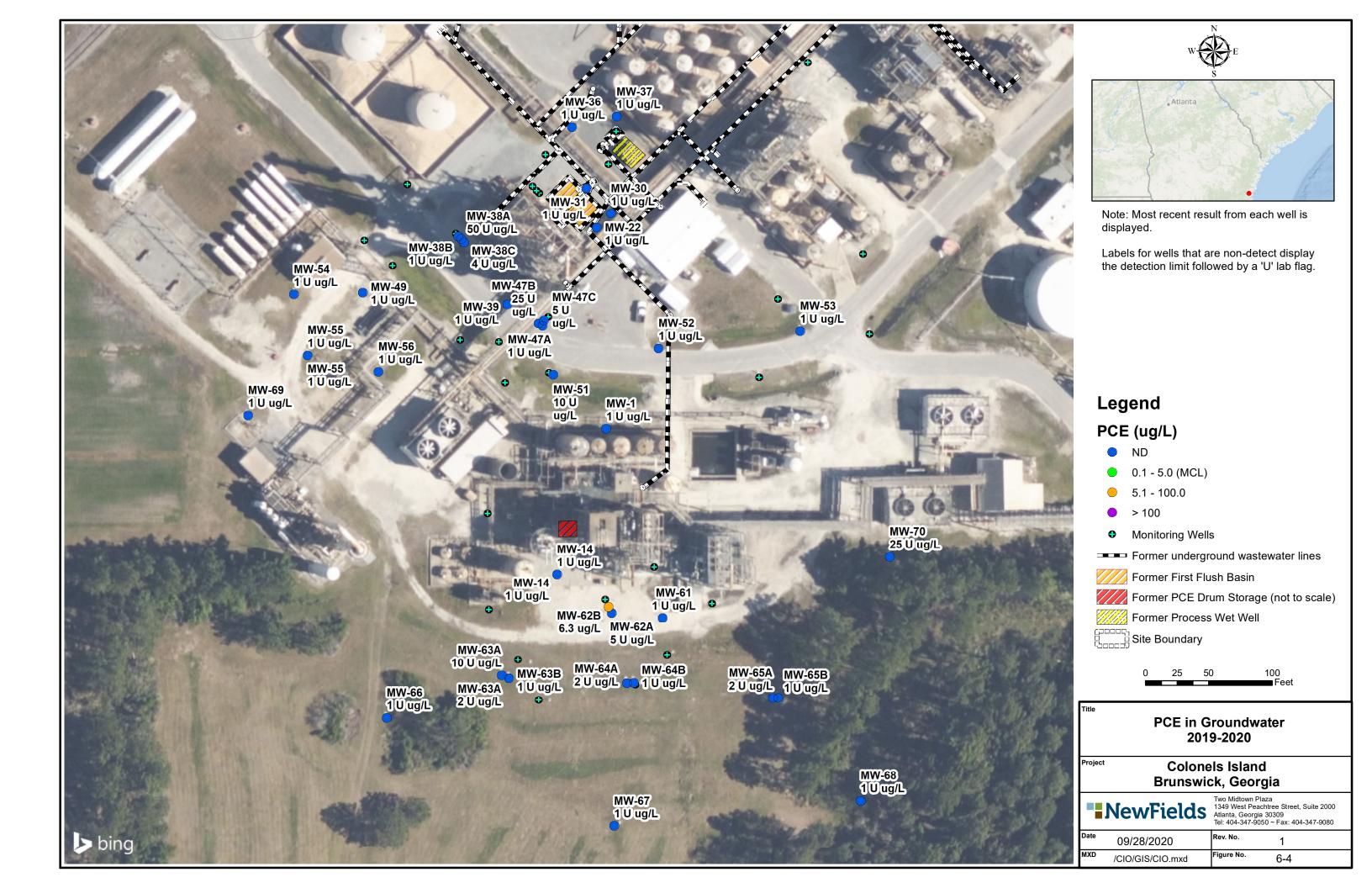
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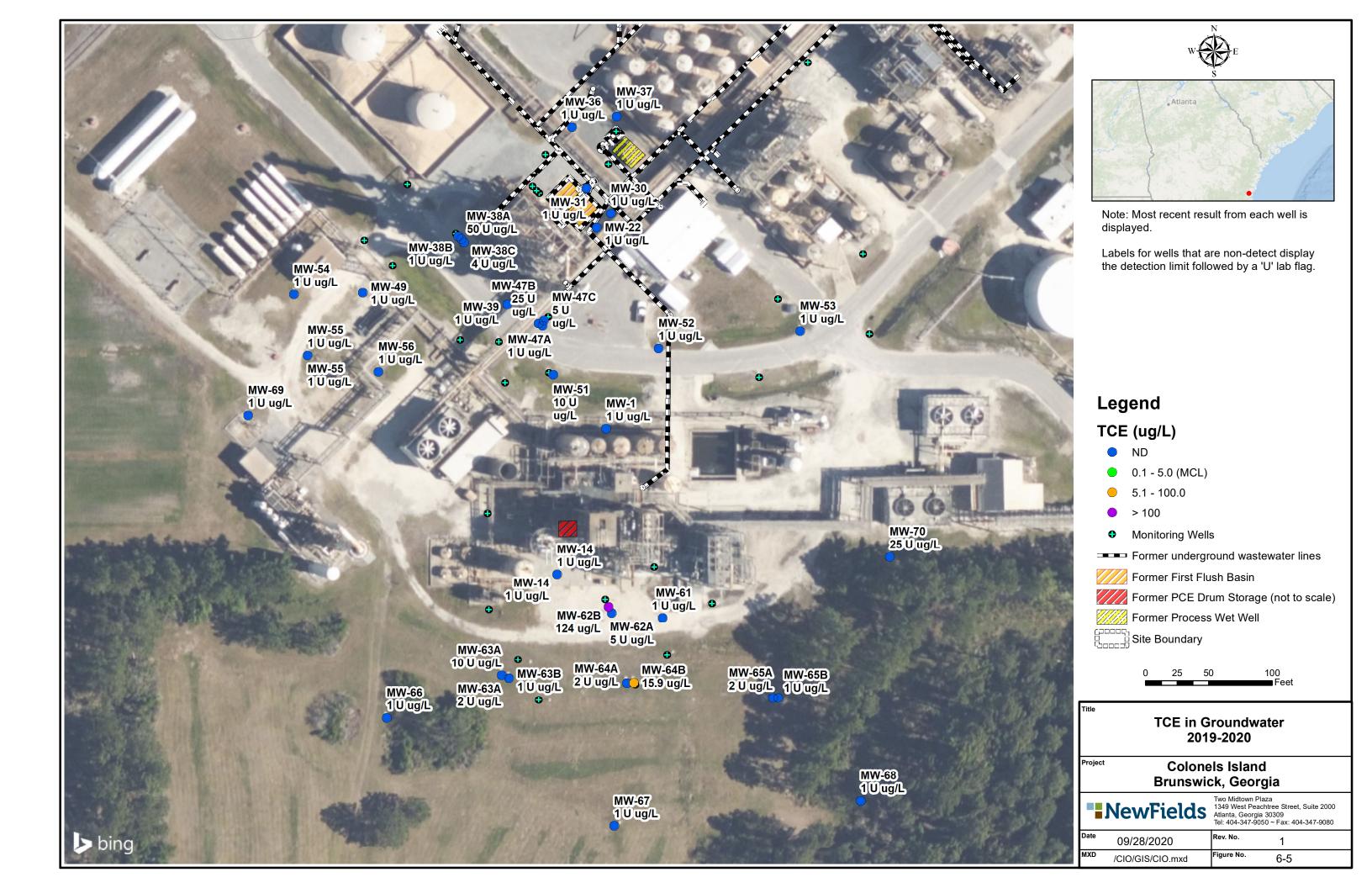
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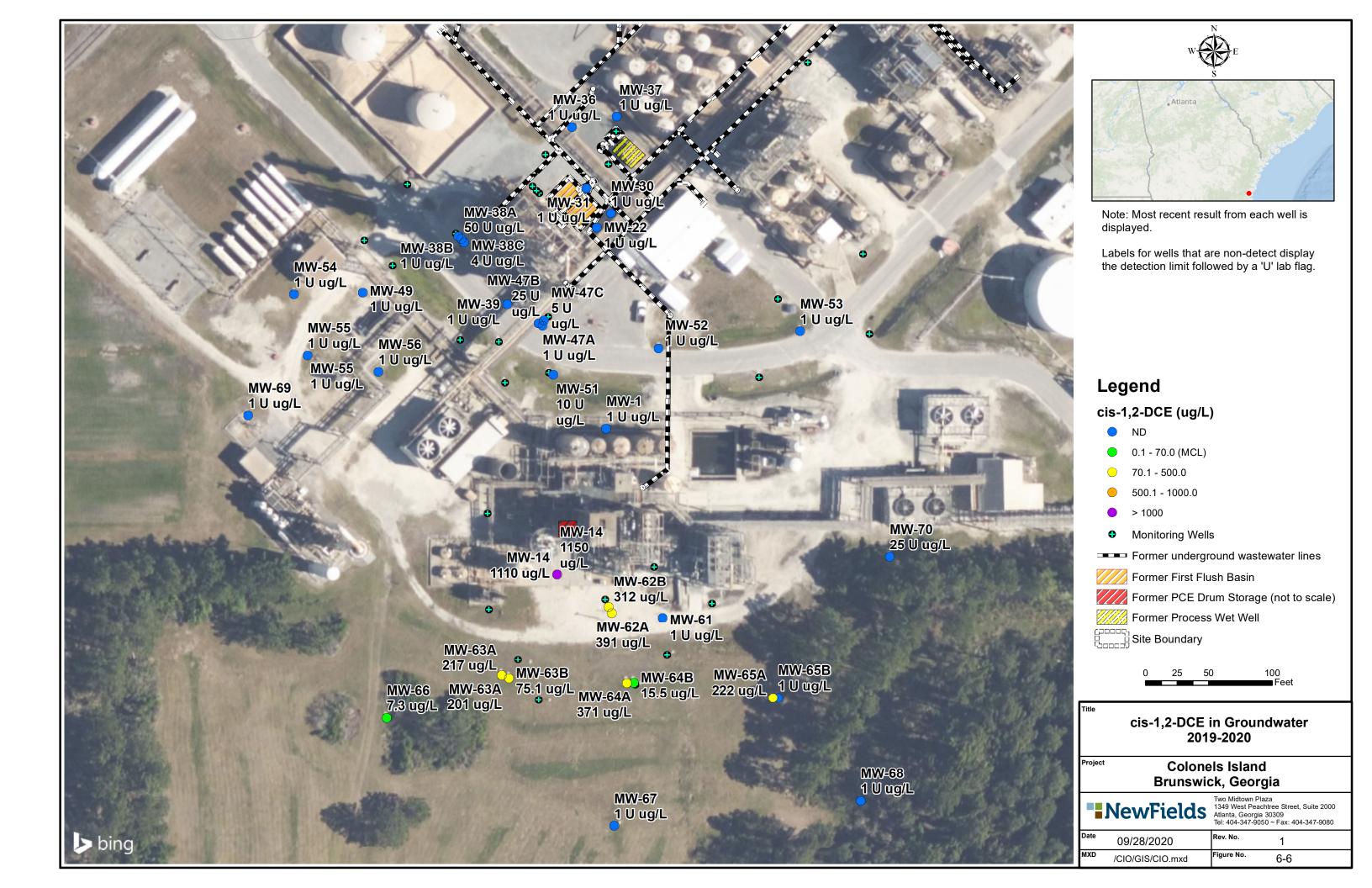


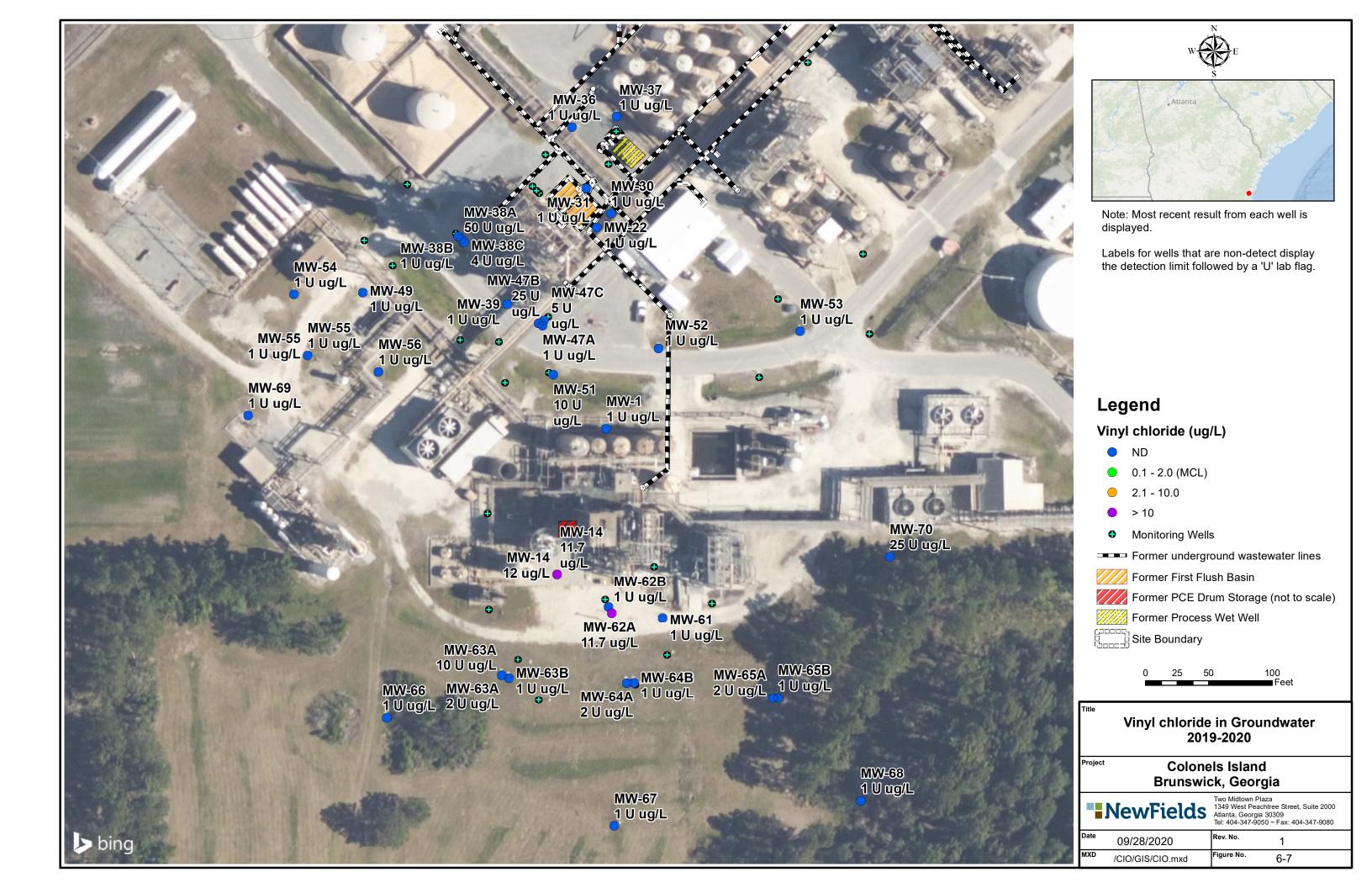


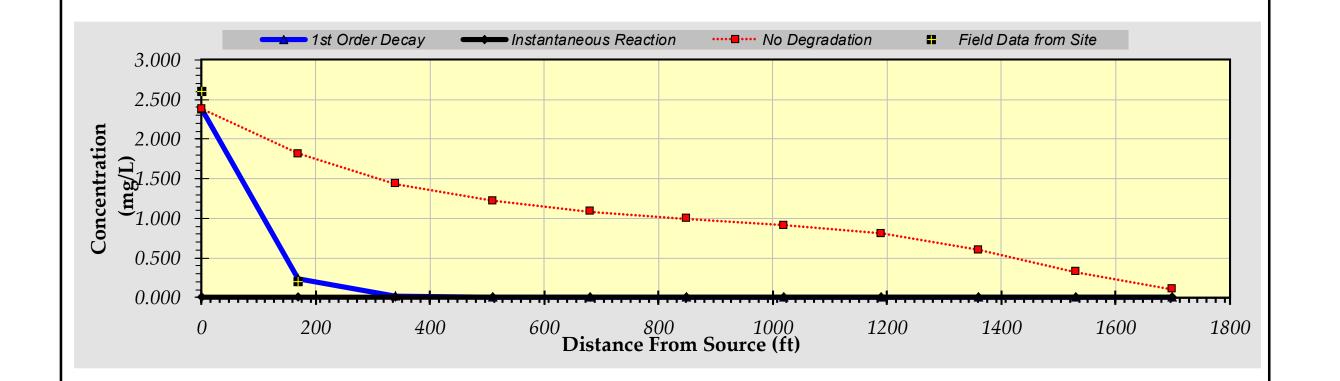










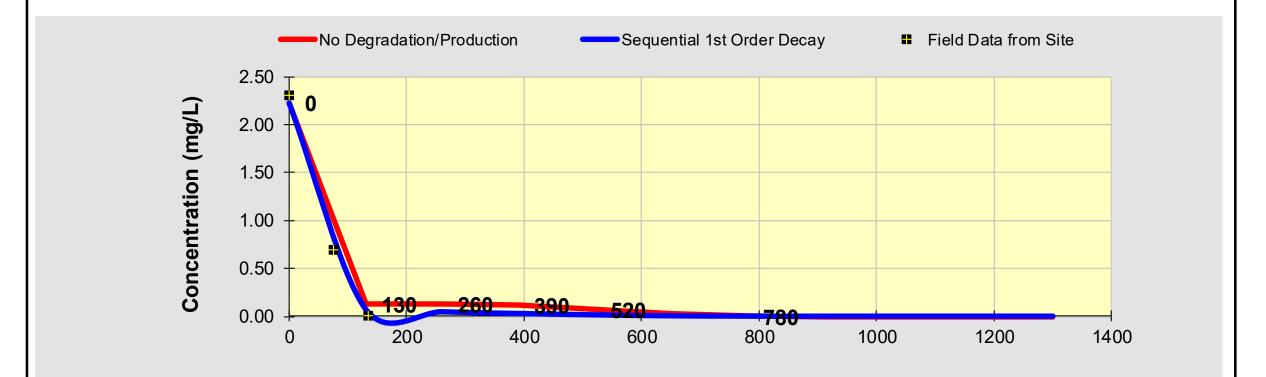


BIOSCREEN Model Output

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Distance From Source (ft.)

BIOCHLOR Model Output cis-1,2-DCE

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