

APPENDIX A: MAPS / FIGURES

Figure 1 - General Location

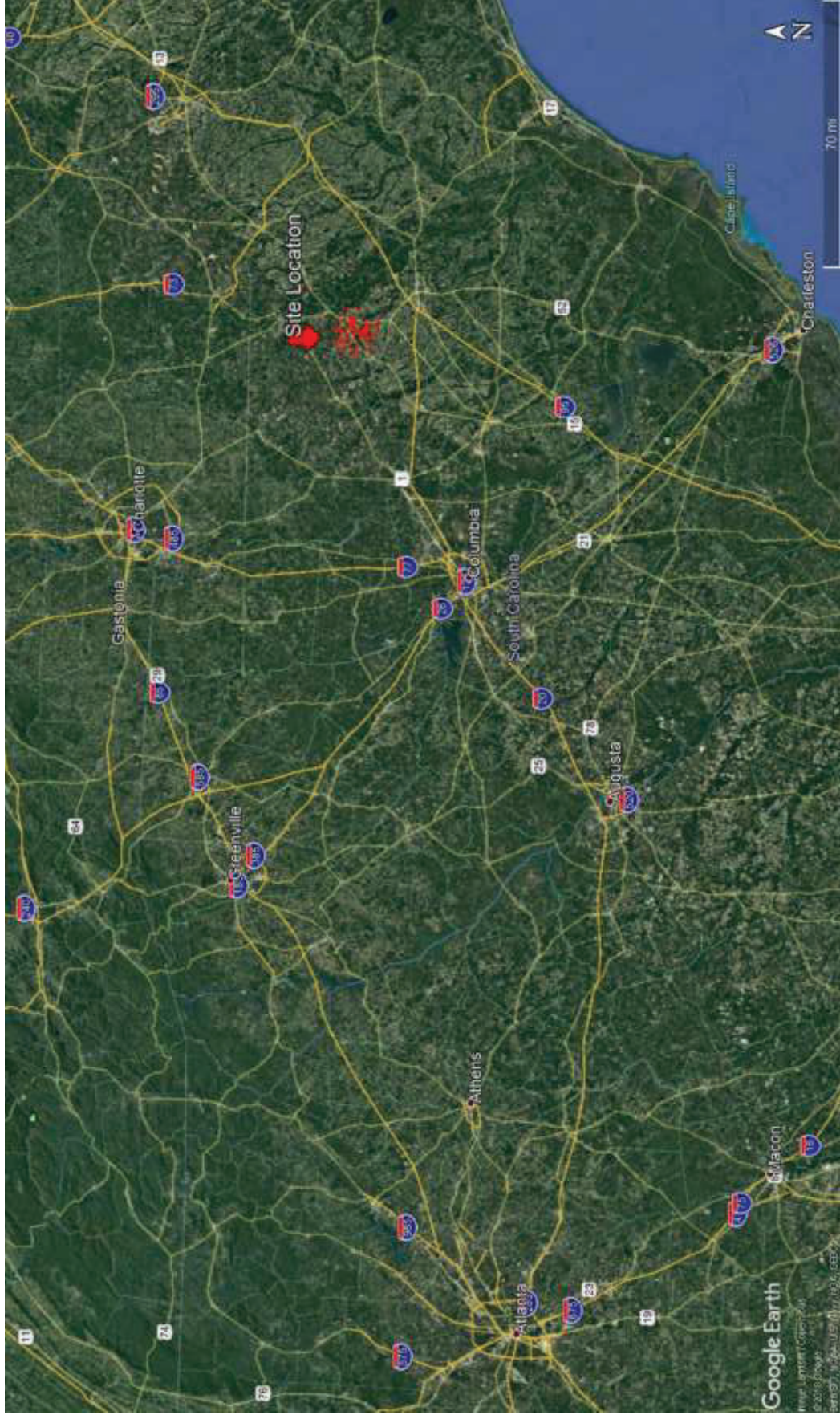


Figure 2 – Site Location



Figure 3 Field Sampling Locations



Figure 4. Field A Soil Sampling Locations



Figure 5. Field B Soil Sampling Locations



Figure 6. Field C Soil Sampling Locations



Figure 7. Field A Groundwater Sampling Locations

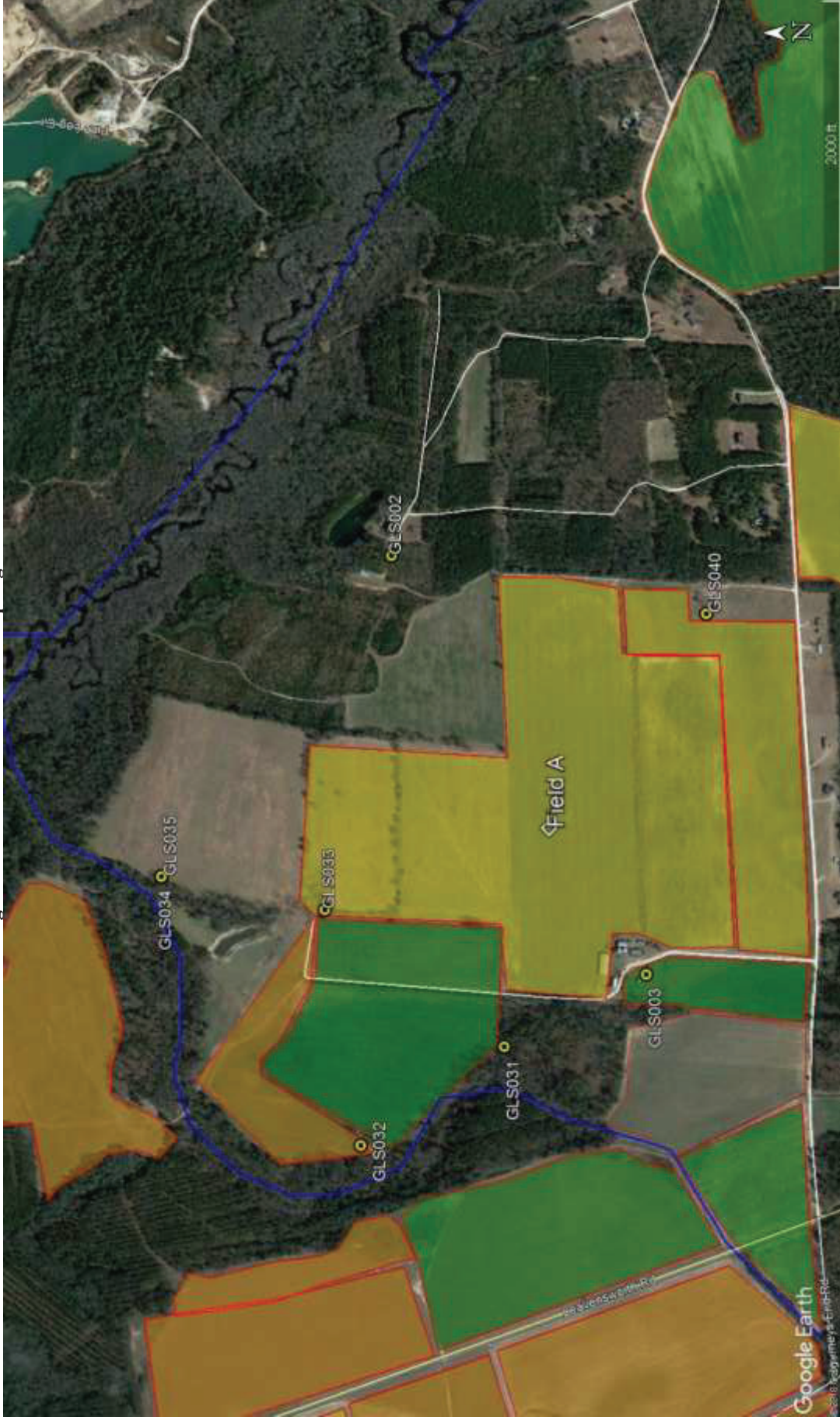


Figure 8. Field B Groundwater Sampling Locations



Figure 9. Field C Groundwater Sampling Locations



Figure 10. Field A Surface Water Sampling Locations



Figure 11. Field B Surface Water Sampling Locations



Figure 12. Field C Surface Water Sampling Locations



Table 1. Soil Sampling Results for Composite Samples

Analyte	Surface						Subsurface						RSL	
	GLS-014-SF Control	Field A		Field B		GLS-022-SF Field C	GLS-014-SB Control	Field A		Field B		GLS-021-SB Field C		GLS-022-SB
		GLS-015-SF	GLS-016-SF	GLS-018-SF	GLS-020-SF			GLS-021-SF	GLS-022-SF	GLS-015-SB	GLS-016-SB			
4:2FTS	U	U	U	U	U	U	U	U	U	U	U	U	U	NA
6:2FTS	U	54J	U	U	U	120	U	U	U	70J	U	U	U	NA
8:2FTS	U	1300	800	380J	4700J	U	U	260	120	1500	U	U	630J	NA
FOSA	U	87J	82J	640	950	U	U	35J	U	2700	U	U	U	NA
HFPO-DA	U	U	U	U	U	U	U	U	U	U	U	U	U	NA
N-MeFOSAA	U	110J	U	400	1300	U	U	U	U	2900	U	U	U	NA
PFBA	67J	360	290	270	2600	U	U	U	140	760	U	U	80J	NA
PFBS	41J	1200	570	640	3800	280	42J	220J	180J	3000	210	95J	790	NA
PFDA	1100	12000	9500	41000	50000	99J	1500	18000J	18000J	33000	82J	75J	670	NA
PFDoA	270J	12000	5400	8800J	110000	74J	410J	2100	990J	58000J	30J	U	98000	NA
PFDS	U	U	U	U	U	U	U	U	U	250	U	U	U	NA
PFHpA	46J	840	550	600	2900	120	75J	290J	190J	1800	110	33J	730	NA
PFHpS	U	U	U	U	U	U	U	U	U	110	U	U	U	NA
PFHxA	90J	1400	690	510	3800	150	62J	420J	280J	1800	110	U	840	NA
PFHxS	U	U	U	U	39J	U	U	U	U	150	U	U	U	NA
PFNA	250	2200	1000	2500	4700	31J	570	2500	1600	4300	73J	23J	4700	NA
PFNS	U	U	U	U	U	U	U	U	U	70J	U	U	U	NA
PFOA	210	4400	2400	2500	10000	280	400	1800J	1100J	5500	310	160	3500	126000
PFOS	680	1300	280	10000	7300	190	910J	1600J	720J	20000	390	290	6000	126000
PFPeA	230	1100	460	520	3800	270	320J	370J	240J	1500	140	140	1100	NA
PFPeS	U	U	U	U	U	U	U	U	U	U	U	U	U	NA
PFTtDA	130J	4300J	2100J	4600J	73000J	91J	210J	2500J	510J	36000J	U	U	2500J	NA
PFUdA	400	9900	7100	26000	85000	61J	500	4500	1500	48000	U	U	25000	NA

U - Substance not detected
 J - Estimated Value
 NA - RSL Not Established
 Shaded Cells indicate substance is greater than three times control concentrations

Table 2. Soil Sampling Results for Grab Samples

Analyte	Surface				Subsurface				RSL
	GLS-013-SF Control	GLS-017-SF Field A	GLS-019-SF Field B	GLS-023-SF Field C	GLS-013-SB Control	GLS-017-SB Field A	GLS-019-SB Field B	GLS-023-SB Field C	
4:2FTS	U	U	U	U	U	U	U	U	NA
6:2FTS	U	U	U	U	40J	97	U	U	NA
8:2FTS	110	1600	400	U	110	250	220J	U	NA
FOSA	44J	190	1400	U	64J	36J	240	U	NA
HFPO-DA	U	U	U	U	U	U	U	U	NA
N-MeFOSAA	U	120	870	U	58J	U	89J	U	NA
PFBA	140J	910	540	U	92J	140J	180	100J	NA
PFBS	520	2600	760	220	560	94J	160	410	NA
PFDA	3500	9100	21000	130J	4000	30000J	24000	35J	NA
PFDoA	3600J	40000J	42000	75J	2300	1700J	9000	21	NA
PFDS	U	U	130	U	U	U	38J	U	NA
PFHpA	130	1500	1100	48J	210	320J	320	120	NA
PFHpS	U	U	46J	U	U	U	43J	U	NA
PFHxA	330	2800	1300	140	330J	280J	350	230	NA
PFHXS	U	U	97J	U	U	U	U	U	NA
PFNA	660	2100	2300	19J	610	1100J	3700	51J	NA
PFNS	U	U	U	U	U	U	U	U	NA
PFOA	730	5500	5200	57J	780	1000J	2500	200	126000
PFOS	870	310	13000	120	790	460J	21000	170	126000
PFPeA	640	1700	1400	170	710	360J	400	200	NA
PFPeS	U	U	U	U	U	U	U	U	NA
PFTrDA	1600J	22000J	22000J	U	2700J	790J	5400J	61J	NA
PFUdA	3400	27000	37000	34J	4400	5600	12000	U	NA

U - Substance not detected

J - Estimated Value

NA - RSL Not Established

Shaded Cells indicate substance is greater than three times control concentrations

Analyte	Table 3. Groundwater Sampling Results																USEPA Health Advisory	
	GLS-001	GLS-002	GLS-003	GLS-004	GLS-005	GLS-037	GLS-040	GLS-045	GLS-046	GLS-047	GLS-047	GLS-047	GLS-031	GLS-032	GLS-033	GLS-034		GLS-035
	Control	Residential Well						Monitoring Well						USEPA Health Advisory				
4:2FTS	U	U	U	U	U	U	U	*	*	*	*	*	U	U	U	U	U	NA
6:2FTS	U	U	U	U	U	U	U	*	*	*	*	*	U	U	U	U	U	NA
8:2FTS	U	U	U	U	U	U	U	*	*	*	*	*	U	U	U	U	U	NA
FOSA	U	U	U	U	U	U	U	*	*	*	*	*	U	U	U	U	U	NA
HFPO-DA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NA
N-MeFOSAA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NA
PFBA	U	25	U	1600	79	U	U	*	*	*	*	*	U	U	U	U	U	NA
PFBS	U	160	U	8300	540	U	U	80	83	U	41	2500	U	U	U	150	U	NA
PFDA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NA
PFDoA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NA
PFDS	U	U	U	U	U	U	U	*	*	*	*	*	U	U	U	U	U	NA
PFHpA	U	42	U	3700	210	U	U	180	180	U	34	730	U	U	U	U	U	NA
PFHpS	U	U	U	U	U	U	U	*	*	*	*	*	U	U	U	U	U	NA
PFHxA	U	87	U	5600	340	U	U	220	210	U	36	850	U	U	U	U	U	NA
PFHxS	U	U	U	49	21	U	U	13	11	U	65	65	U	U	U	U	U	NA
PFNA	U	U	U	250	U	U	U	0.99	U	U	3.9	110	U	U	U	U	U	NA
PFNS	U	U	U	U	U	U	U	*	*	*	*	*	U	U	U	U	U	NA
PFOA	U	U	U	8100	220	U	U	220	200	U	160	1700	U	U	U	U	U	70
PFOS	U	U	U	38	U	U	U	1.5	0.91	U	150	130	U	U	U	U	U	70
PFPeA	U	48	U	4200	190	U	U	*	*	*	*	*	U	U	U	17	U	NA
PFPeS	U	U	U	U	3	U	U	*	*	*	*	*	U	U	U	U	U	NA
PFTrDA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NA
PFUdA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NA
Total	0	362	0	31837	1613	0	0	715	685	0	490	6085	0	0	0	167	0	
	U - Substance not detected																	
	J - Estimated Value																	
	Shaded Cells indicate substance is greater than three times control concentrations																	
	Bold - compound detected above USEPA Health Advisory Levels																	
	* - Substance not analyzed for																	
	NA - Advisory not established																	

Table 4. Surface Water Sampling Results

Analyte	Seed Branch Control		Seed Branch		Horse Creek	Field A Surface Water	GLS-026-SW*
	GLS-006-SW	GLS-007-SW	GLS-009-SW	GLS-010-SW	GLS-012-SW*	GLS-024-SW*	GLS-025-SW*
4:2FTS	U	U	U	U	U	U	U
6:2FTS	U	U	U	U	U	U	U
8:2FTS	U	U	U	U	U	U	U
FOSA	U	U	U	U	U	U	U
HFPO-DA	U	U	U	U	U	U	U
N-MeFOSAA	U	U	U	U	U	U	U
PFBA	U	U	1900	190	280	660	170
PFBS	U	U	9700	1300	1900	2600	2200
PFDA	U	U	U	U	110	U	U
PFDoA	U	U	U	U	U	U	U
PFDS	U	U	U	U	U	U	U
PFHpA	28	U	4200	440	810	740	390
PFHpS	U	U	18	U	20	U	U
PFHxA	U	U	6600	640	1000	2000	530
PFHxS	U	U	58	U	93	17	91
PFNA	U	U	430	58	330	22	U
PFNS	U	U	U	U	U	U	U
PFOA	110	U	13000	910	1900	820	510
PFOS	21	25	85	19	810	19	45
PFPeA	U	U	51	420	620	1500	360
PFPeS	U	U	U	U	26	U	23
PFTTrDA	U	U	U	U	U	U	U
PFUdA	U	U	U	U	46	U	U
Totals	49	25	36042	4016	7945	8378	4319

U - Substance not detected

J - Estimated Value

Shaded Cells indicate substance is greater than three times control concentrations

* - Comparative control sample not collected

Table 5. Sediment Sampling Results

Analyte	GLS-006-SD Control	GLS-007-SD Control	GLS-008-SD Control	GLS-009-SD	GLS-010-SD	GLS-011-SD Control	GLS-012-SD	GLS-024-SD*	GLS-025-SD*	GLS-026-SD*
4:2FTS	U	U	U	U	U	U	U	U	U	U
6:2FTS	U	U	U	U	U	U	U	U	U	U
8:2FTS	U	U	U	U	U	U	U	U	U	U
FOSA	U	U	U	U	U	U	53J	U	U	U
HFPO-DA	U	U	U	U	U	U	U	U	U	U
N-MeFOSAA	U	U	U	U	U	93J	U	U	U	U
PFBA	U	U	U	11000J	U	U	U	U	220	U
PFBS	U	U	U	60000J	U	U	600J	630	880	U
PFDA	U	U	47J	990	U	1100	2400J	U	28J	U
PFDoA	U	38J	150J	800J	U	1400J	1900J	73J	23J	U
PFDS	U	U	U	U	U	U	U	U	U	U
PFHpA	U	U	U	34000	30J	43J	640J	140	260	U
PFHpS	U	U	U	520	U	U	82J	U	U	U
PFHxA	U	U	U	42000J	52J	29J	460J	190	650	U
PFHxS	U	U	U	770	U	U	230J	U	U	U
PFNA	U	U	U	16000	U	150	1900J	U	U	U
PFNS	U	U	U	U	U	U	U	U	U	U
PFOA	46J	U	21J	170000J	49J	250	2400J	360	540	U
PFOS	76J	83J	520	7700	U	4100	11000J	250	U	300J
PFPeA	390J	370	88J	32000	110J	U	500J	170	500	490
PFPeS	U	U	U	220J	U	U	U	U	U	U
PFTTrDA	U	U	130J	860J	U	590J	700J	U	U	U
PFUdA	U	25J	200	1100	U	2000	1800J	U	U	U
	U - Substance not detected									
	J - Estimated Value									
	Shaded Cells indicate substance is greater than three times control concentrations									
	*- Comparative control sample not collected									