

BONNELL ALUMINUM, INC.

POST CLOSURE CARE PERMIT RENEWAL APPLICATION

MARCH 29, 2024

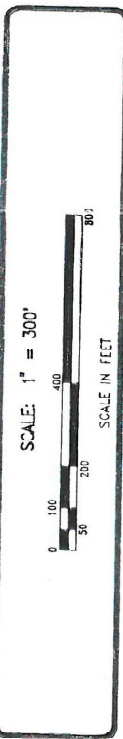
APPENDIX 8-B

HISTORICAL PCE PLUME MAPS

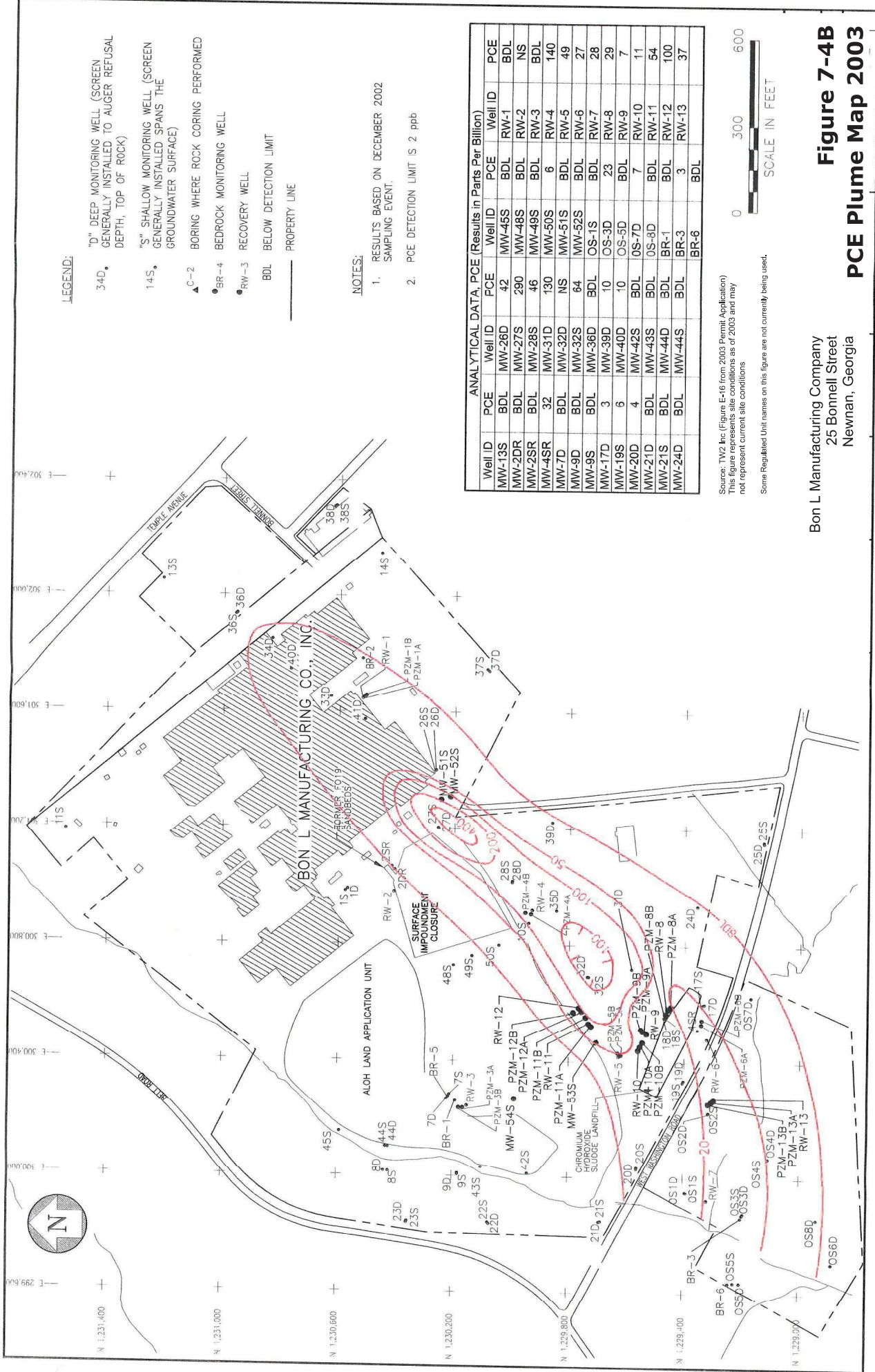


Bon L Manufacturing Company
25 Bonnell Street
Newnan, Georgia

Figure 7-4A
PCE Plume Map 1992



Bon L Manufacturing Company
Note: This figure represents site conditions as of 1992 and may not represent current site conditions.



LEGEND:

- "D" DEEP MONITORING WELL (SCREEN GENERALLY INSTALLED TO AUGER REFUSAL DEPTH, TOP OF ROCK)
- 34D.
- "S" SHALLOW MONITORING WELL (SCREEN GENERALLY INSTALLED SPANS THE GROUNDWATER SURFACE)
- 14S.
- ▲ C-2 BORING WHERE ROCK CORING PERFORMED
- BR-4 BEDROCK MONITORING WELL
- RW-3 RECOVERY WELL
- BDL BELOW DETECTION LIMIT
- PROPERTY LINE

NOTES:

1. RESULTS BASED ON DECEMBER 2002 SAMPLING EVENT.
2. PCE DETECTION LIMIT IS 2 ppb

ANALYTICAL DATA, PCE (Results in Parts Per Billion)					
Well ID	PCE	Well ID	PCE	Well ID	PCE
MW-13S	BDL	MW-26D	42	MW-45S	BDL
MW-2DR	BDL	MW-27S	290	MW-48S	BDL
MW-2SR	BDL	MW-28S	46	MW-49S	BDL
MW-4SR	32	MW-31D	130	MW-50S	6
MW-7D	BDL	MW-32D	NS	MW-51S	BDL
MW-9D	BDL	MW-32S	64	MW-52S	BDL
MW-9S	BDL	MW-36D	BDL	OS-1S	BDL
MW-17D	3	MW-39D	10	OS-3D	23
MW-19S	6	MW-40D	10	OS-5D	BDL
MW-20D	4	MW-42S	BDL	OS-7D	7
MW-21D	BDL	MW-43S	BDL	OS-8D	BDL
MW-21S	BDL	MW-44D	BDL	BR-1	BDL
MW-24D	BDL	MW-44S	BDL	BR-3	3
				BR-6	BDL

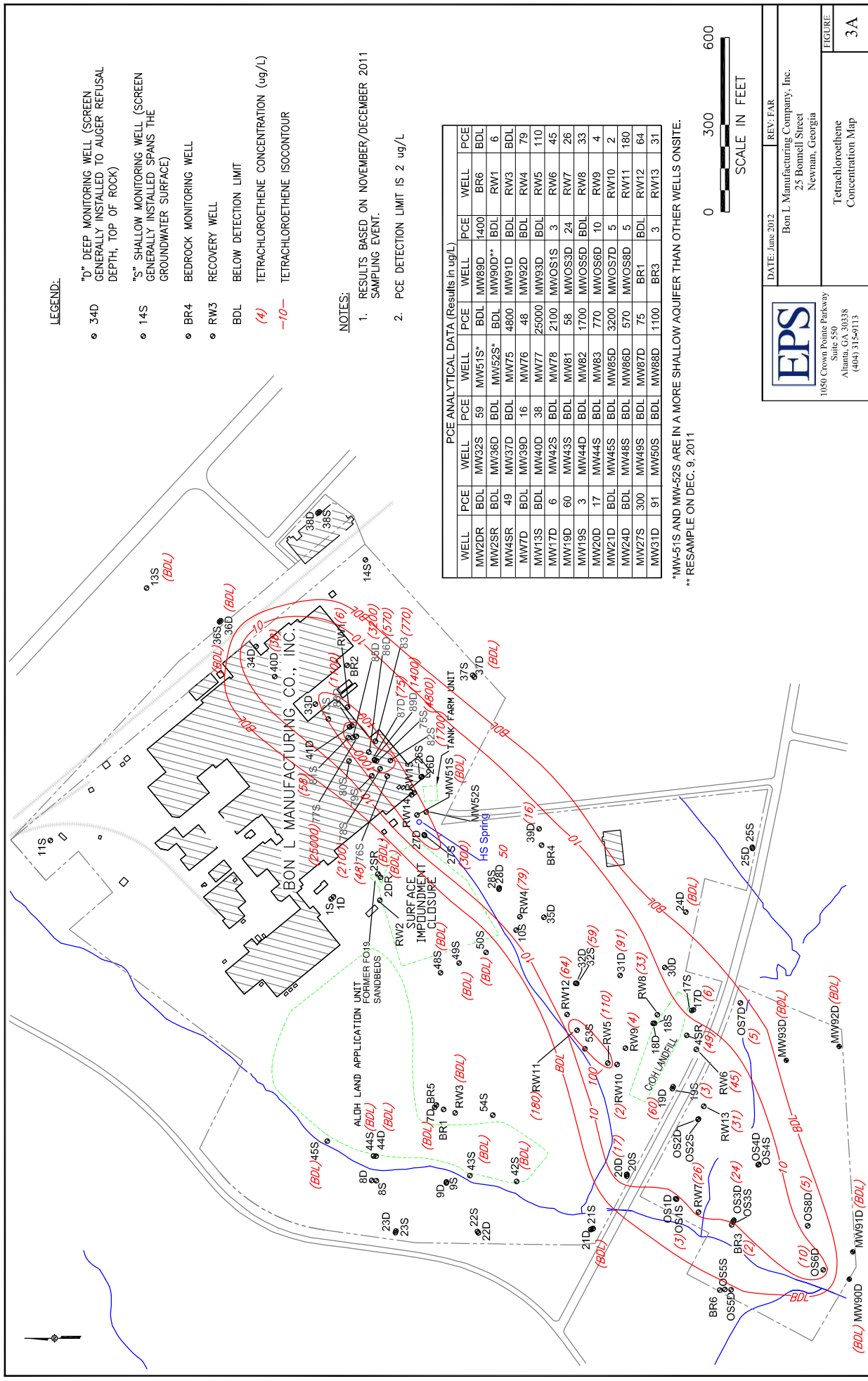
Source: TW2 Inc (Figure E-16 from 2003 Permit Application)
 This figure represents site conditions as of 2003 and may not represent current site conditions

Some Regulated Unit names on this figure are not currently being used.



Bon L Manufacturing Company
 25 Bonnell Street
 Newnan, Georgia

Figure 7-4B
PCE Plume Map 2003



LEGEND:

- 34D "D" DEEP MONITORING WELL (SCREEN GENERALLY INSTALLED TO AUGER REFUSAL DEPTH, TOP OF ROCK)
- 14S "S" SHALLOW MONITORING WELL (SCREEN GENERALLY INSTALLED SPANS THE GROUNDWATER SURFACE)
- BR4 BEDROCK MONITORING WELL
- RW3 RECOVERY WELL
- BDL BELOW DETECTION LIMIT
- (4) TETRACHLOROETHENE CONCENTRATION (ug/L)
- 10- TETRACHLOROETHENE ISOCONTOUR

NOTES:

1. RESULTS BASED ON NOVEMBER/DECEMBER 2011 SAMPLING EVENT.
2. PCE DETECTION LIMIT IS 2 ug/L

PCE ANALYTICAL DATA (Results in ug/L)											
WELL	PCE	WELL	PCE	WELL	PCE	WELL	PCE	WELL	PCE	WELL	PCE
MW2DR	BDL	MW32S	59	MW51S*	BDL	MW89D	1400	BR6	BDL		
MW2SR	BDL	MW36D	BDL	MW52S*	BDL	MW90D**	BDL	RW1	6		
MW4SR	49	MW37D	BDL	MW75	4800	MW91D	BDL	RW3	BDL		
MW7D	BDL	MW39D	16	MW76	48	MW92D	BDL	RW4	79		
MW13S	BDL	MW40D	38	MW77	25000	MW93D	BDL	RW5	110		
MW17D	6	MW42S	BDL	MW78	2100	MWOS1S	3	RW6	45		
MW19S	3	MW43S	BDL	MW81	58	MWOS3D	24	RW7	26		
MW20D	17	MW44S	BDL	MW82	1700	MWOS5D	BDL	RW8	33		
MW21D	BDL	MW45S	BDL	MW83	770	MWOS6D	10	RW9	4		
MW24D	BDL	MW48S	BDL	MW85D	3200	MWOS7D	5	RW10	2		
MW27S	300	MW49S	BDL	MW86D	570	MWOS8D	5	RW11	180		
MW31D	91	MW50S	BDL	MW87D	75	BR1	BDL	RW12	64		
				MW88D	1100	BR3	3	RW13	31		

*MW-51S AND MW-52S ARE IN A MORE SHALLOW AQUIFER THAN OTHER WELLS ONSITE.
** RESAMPLE ON DEC. 9, 2011

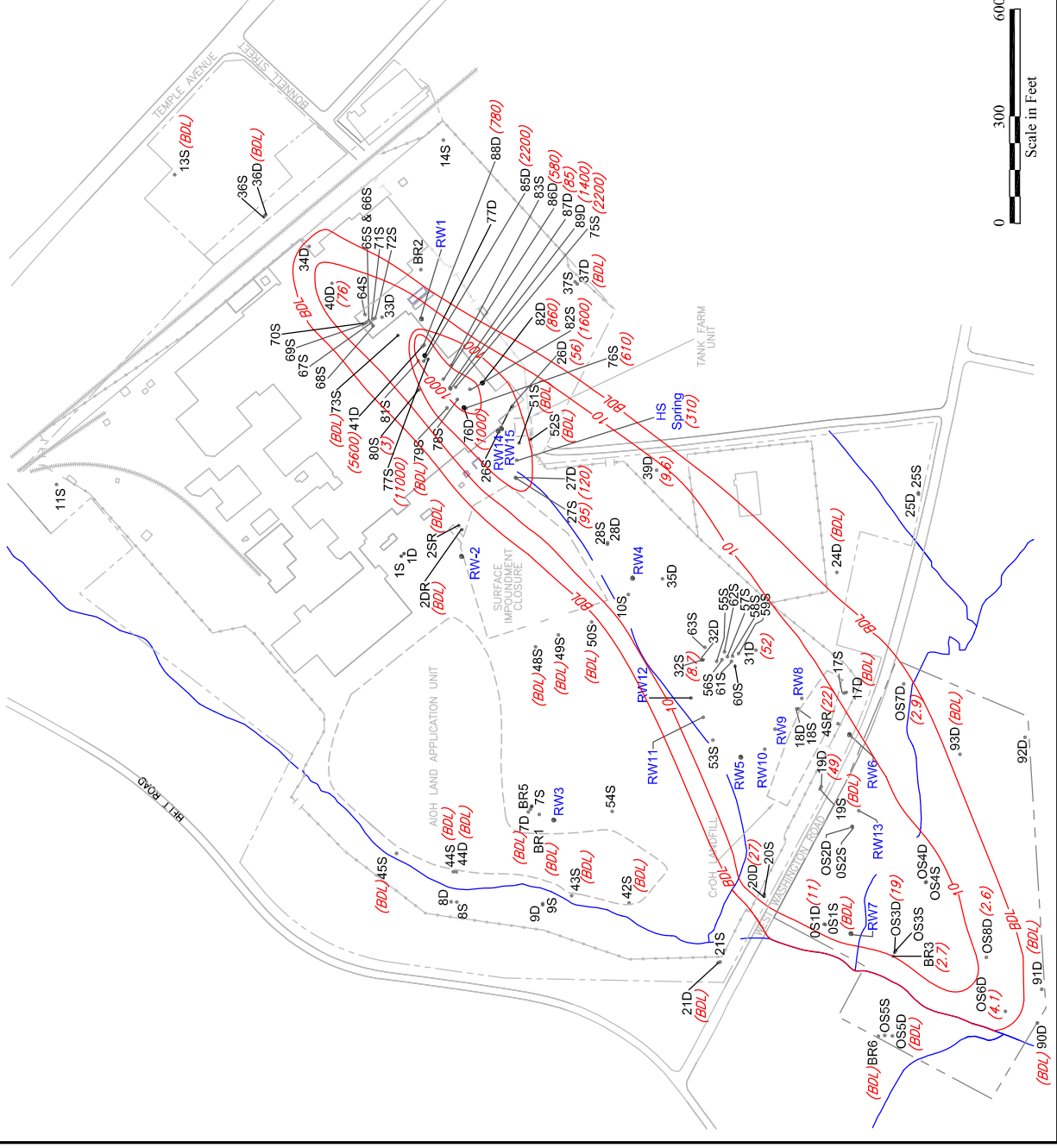


1050 Crown Pointe Parkway
Suite 550
Atlanta, GA 30338
(404) 515-9113

DATE: June 2012 REV: FAR

Bon L Manufacturing Company, Inc.
25 Bonnell Street
Newman, Georgia

FIGURE
Tetrachloroethene
Concentration Map
3A



LEGEND:

- DEEP MONITORING WELL
- SHALLOW MONITORING WELL
- OFF-SITE MONITORING WELL
- BEDROCK MONITORING WELL
- RECOVERY WELL
- BELOW DETECTION LIMIT
- TETRACHLOROETHENE CONCENTRATION (AT WELL)
- TETRACHLOROETHENE ISOCONTOUR
- PROPERTY LINE
- RAILROAD TRACKS
- FENCELINE
- STREAM
- REGULATED UNIT

NOTES:

- 1. RESULTS BASED ON MAY 2013 SAMPLING EVENT.
- 2. RESULTS IN MICROGRAMS PER LITER (ug/L)

PCE ANALYTICAL DATA (Results in ug/L)					
HSS	310	MW41D	5600	MW86D	580
MW19D	49	MW4SR	22	MW87D	85
MW20D	27	MW75S	2200	MW88D	780
MW26D	56	MW76S	610	MW89D	1400
MW27D	120	MW76D	1000	MWOS1D	11
MW27S	95	MW77S	11000	MWOS3D	19
MW31D	52	MW80S	3	MWOS6D	4.1
MW32S	8.7	MW82S	1600	MWOS7D	2.9
MW39D	9.6	MW82D	860	MWOS8D	2.6
MW40D	76	MW85D	2200	MWBR3	2.7



1050 Crown Pointe Parkway
Suite 550
Atlanta, GA 30338
(404) 315-9113

DATE: October 2013

REV: FAR

Bon L Manufacturing Company
25 Bonnell Street
Newnan, Georgia

Tetrachloroethene
Concentration Map

FIGURE
3A



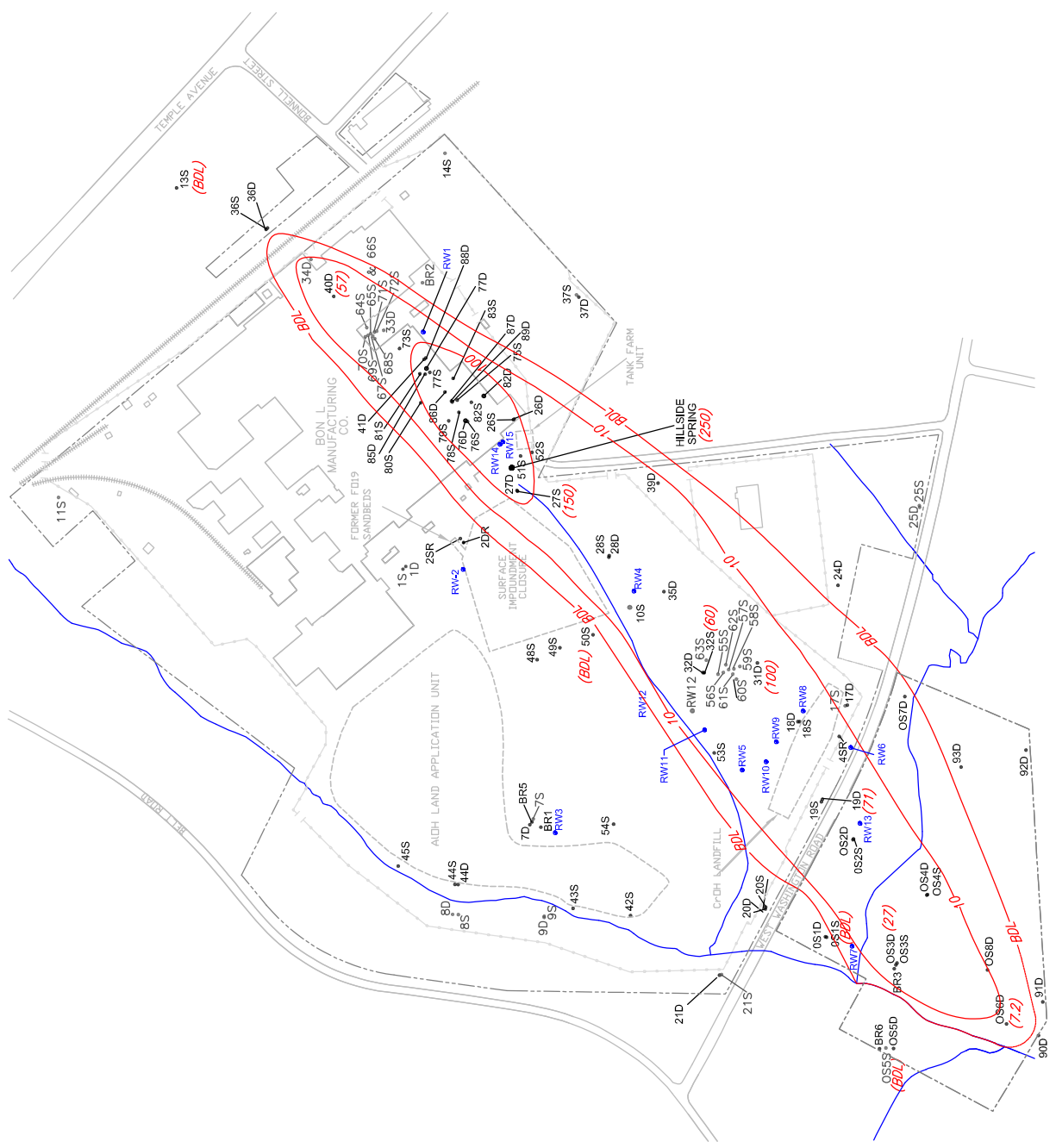
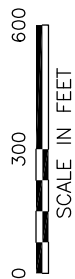
- 34D • DEEP MONITORING WELL
- 14S • SHALLOW MONITORING WELL
- OS2S • OFF-SITE MONITORING WELL
- BR4 • BEDROCK MONITORING WELL
- RW3 • RECOVERY WELL
- (3) PCE CONCENTRATION (ug/L)
- 10- PCE ISOCONTOUR (ug/L)
- PCE TETRACHLOROETHENE

- PROPERTY LINE
- RAILROAD TRACKS
- FENCELINE
- STREAM
- REGULATED UNIT

NOTES:

1. RESULTS BASED ON DECEMBER 2013 SAMPLING EVENT.
2. THE 100 ug/L ISOCONTOUR IS APPROXIMATED BASED ON HISTORICAL DATA.

PCE ANALYTICAL DATA (Results in ug/L)		
HSS	250	MW40D 57
MW13S	BDL	MW50S BDL
MW19D	71	MWOS1S BDL
MW27S	150	MWOS3D 27
MW31D	100	MWOS5S BDL
MW32S	60	MWOS6D 7.2





1050 Crown Pointe Parkway
Suite 550
Atlanta, GA 30338
(404) 315-9113

DATE: June 2014

REV: FAR

Bon L Manufacturing Company
25 Bonnell Street
Newnan, Georgia

Tetrachloroethene
Concentration Map



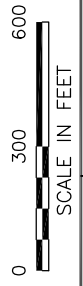
LEGEND:

- DEEP MONITORING WELL
- SHALLOW MONITORING WELL
- OFF-SITE MONITORING WELL
- BEDROCK MONITORING WELL
- BELOW DETECTION LIMIT
- PCE CONCENTRATION AT WELL (ug/L)
- PCE ISOCONTOUR
- PROPERTY LINE
- RAILROAD TRACKS
- FENCELINE
- STREAM
- REGULATED UNIT

NOTES:

- RESULTS BASED ON MAY 2014 SAMPLING EVENT.
- PORTIONS OF THE ISOCONTOURS ARE APPROXIMATED BASED ON OCTOBER 2013 DATA.

PCE Analytical Data (Results in ug/L)	
HSS	370
MW2DR	BDL
MW13S	BDL
MW19S	BDL
MW20D	23
MW21D	BDL
MW24D	BDL
MW27S	51
MW31D	37
MW32S	8
MW36D	BDL
MW37D	BDL
MW39D	3.4
MW40D	57
MW50S	BDL
MWOS1S	BDL
MWOS3D	24
MWOS5D	BDL
MWOS6D	BDL
MWOS7D	3.4
MWOS8D	BDL
BR3	BDL
BR6	BDL



1050 Crown Pointe Parkway
Suite 550
Atlanta, GA 30338
(404) 315-9113

DATE: September 2014
REV: JDV

Bon L Manufacturing Company
25 Bonnell Street
Newnan, Georgia

FIGURE
3-2

Tetrachloroethene
Concentration Map



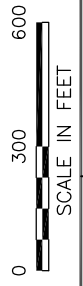
LEGEND:

-

NOTES:

1. RESULTS BASED ON NOVEMBER 2014 SAMPLING EVENT.
2. PORTIONS OF THE ISOCONTOURS INSIDE THE BUILDING ARE BASED ON JUNE 2014 DATA.

PCtE Analytical Data (Results in µg/L)			
MW13S	BDL	MW49S	BDL
MW19D	53	MW50S	BDL
MW27S	130	MW05S	4.8
MW31D	71	MW0S3D	27
MW32S	51	MW0S5D	BDL
MW40D	50	MW0S6D	8.2





1050 Crown Points Parkway
Suite 550
Atlanta, GA 30358
(404) 315-9113

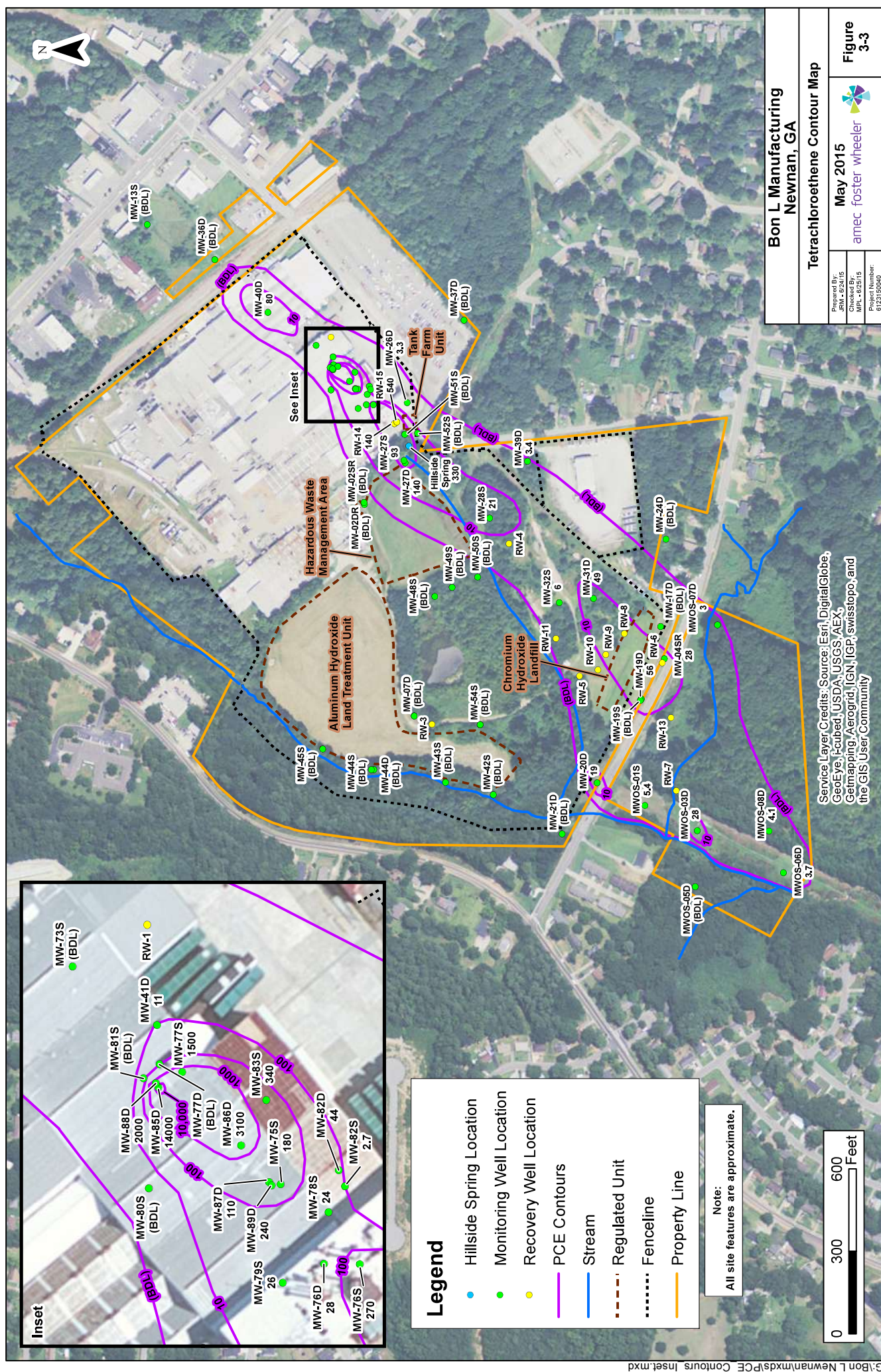
DATE: January 2015 REV: IDD

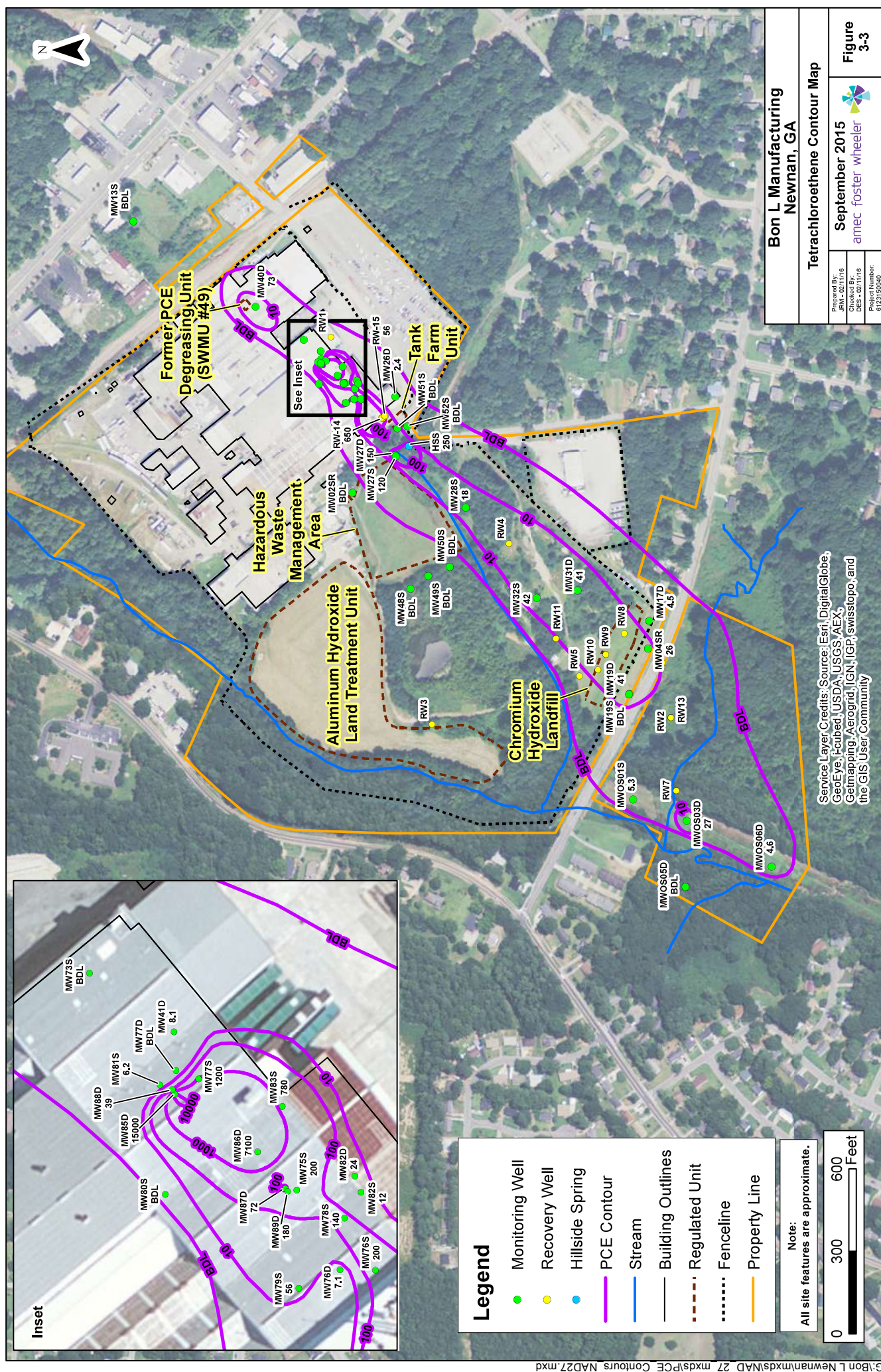
Bon L Manufacturing Company
25 Bonnell Street
Newnan, Georgia

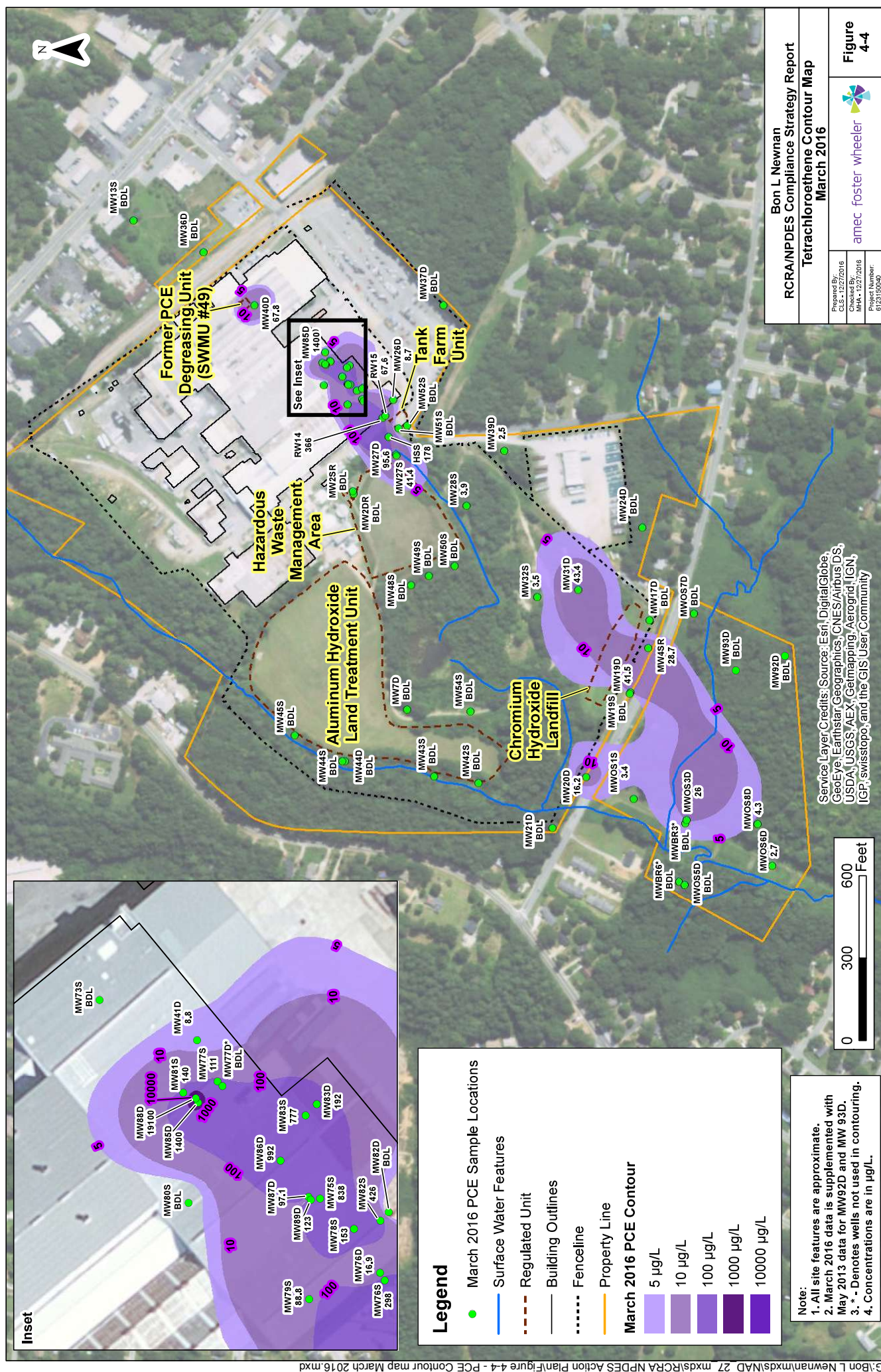
Tetrachloroethene
Concentration Map

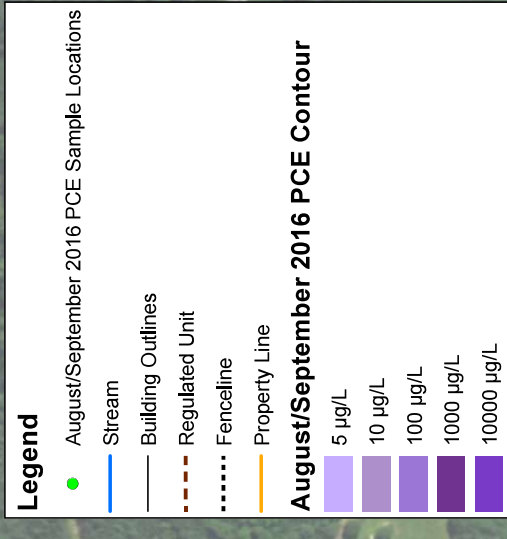
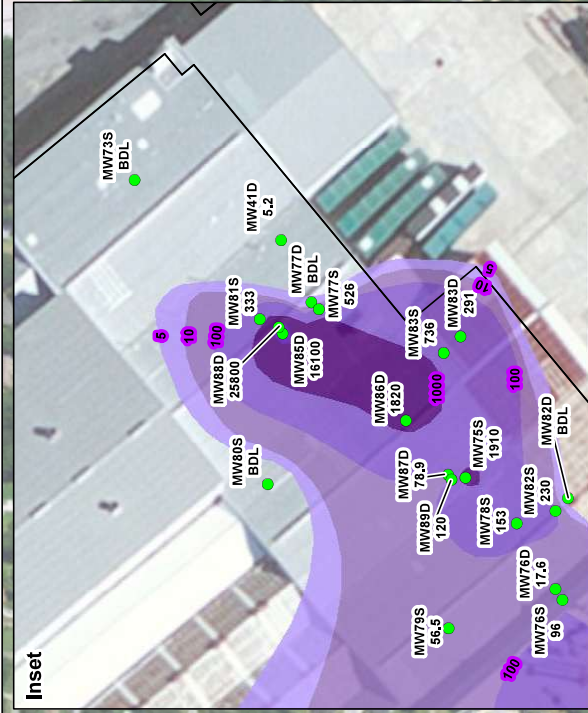
FIGURE

3-2



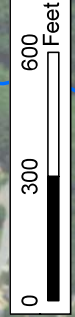




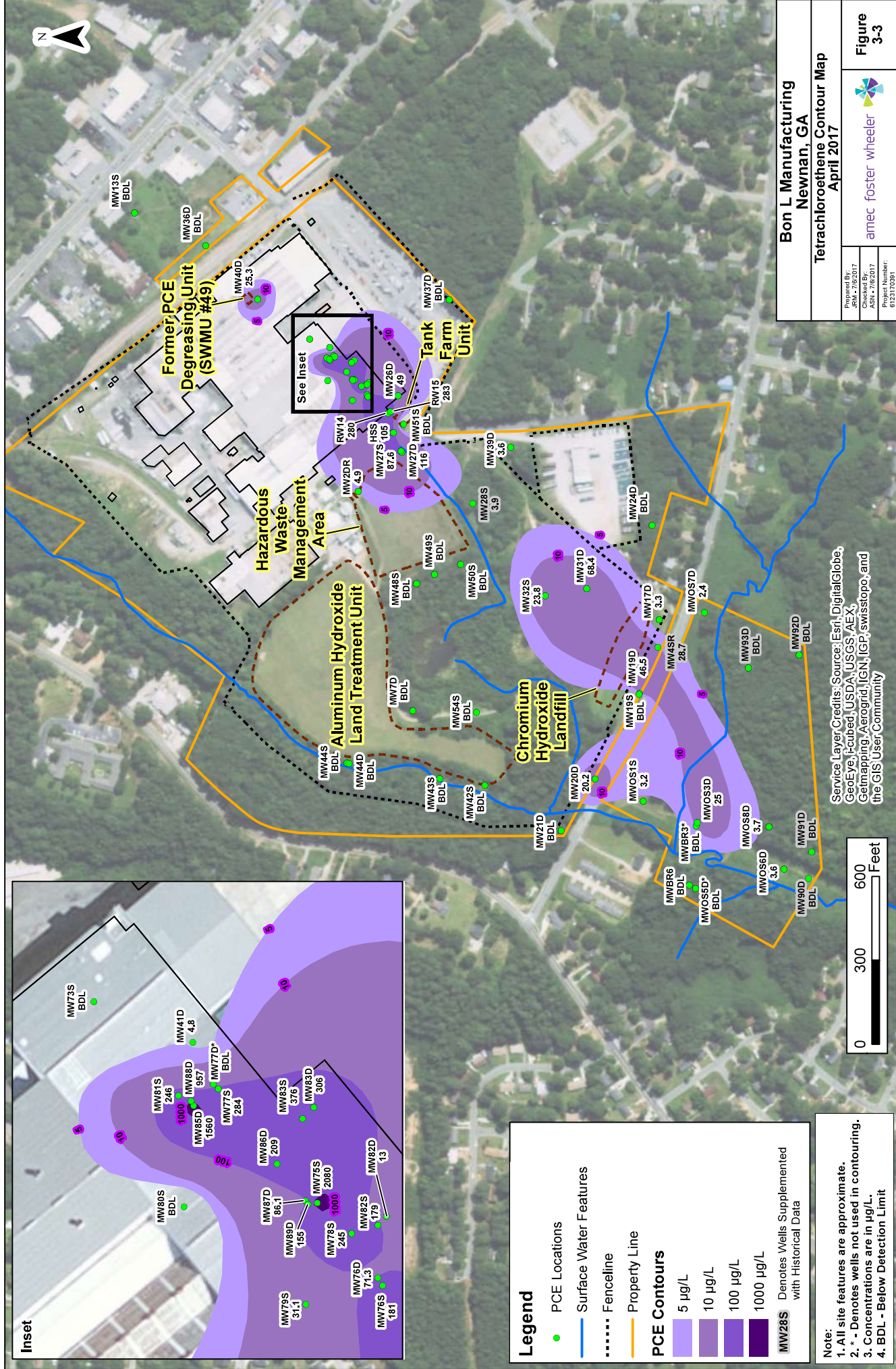


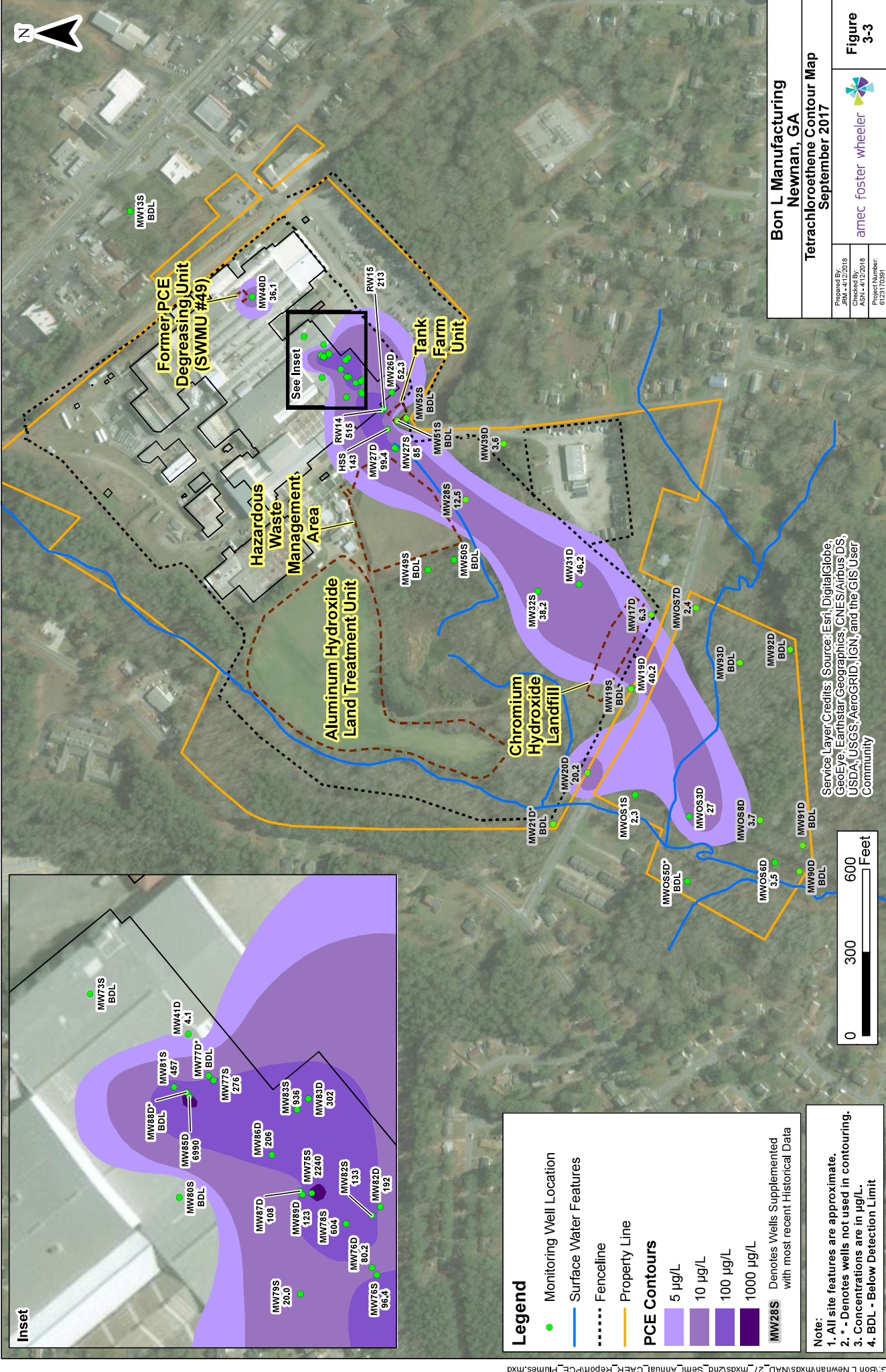
Note:

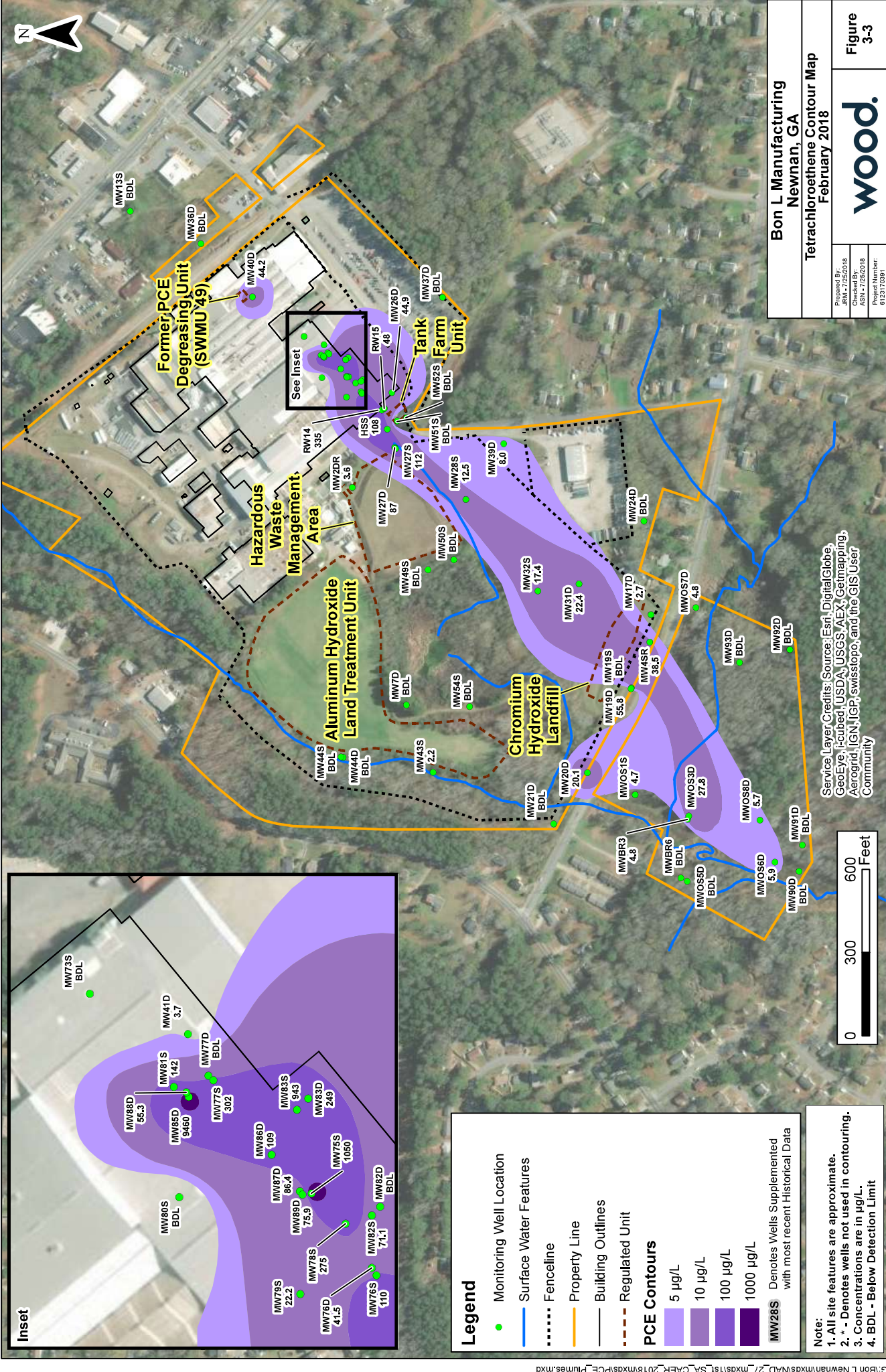
- All site features are approximate.
- Current data is supplemented with historical data for MW7D, MW39D, MW54S, MW92D and MW93D.
- * - Denotes wells not used in contouring.
- Concentrations are in µg/L.

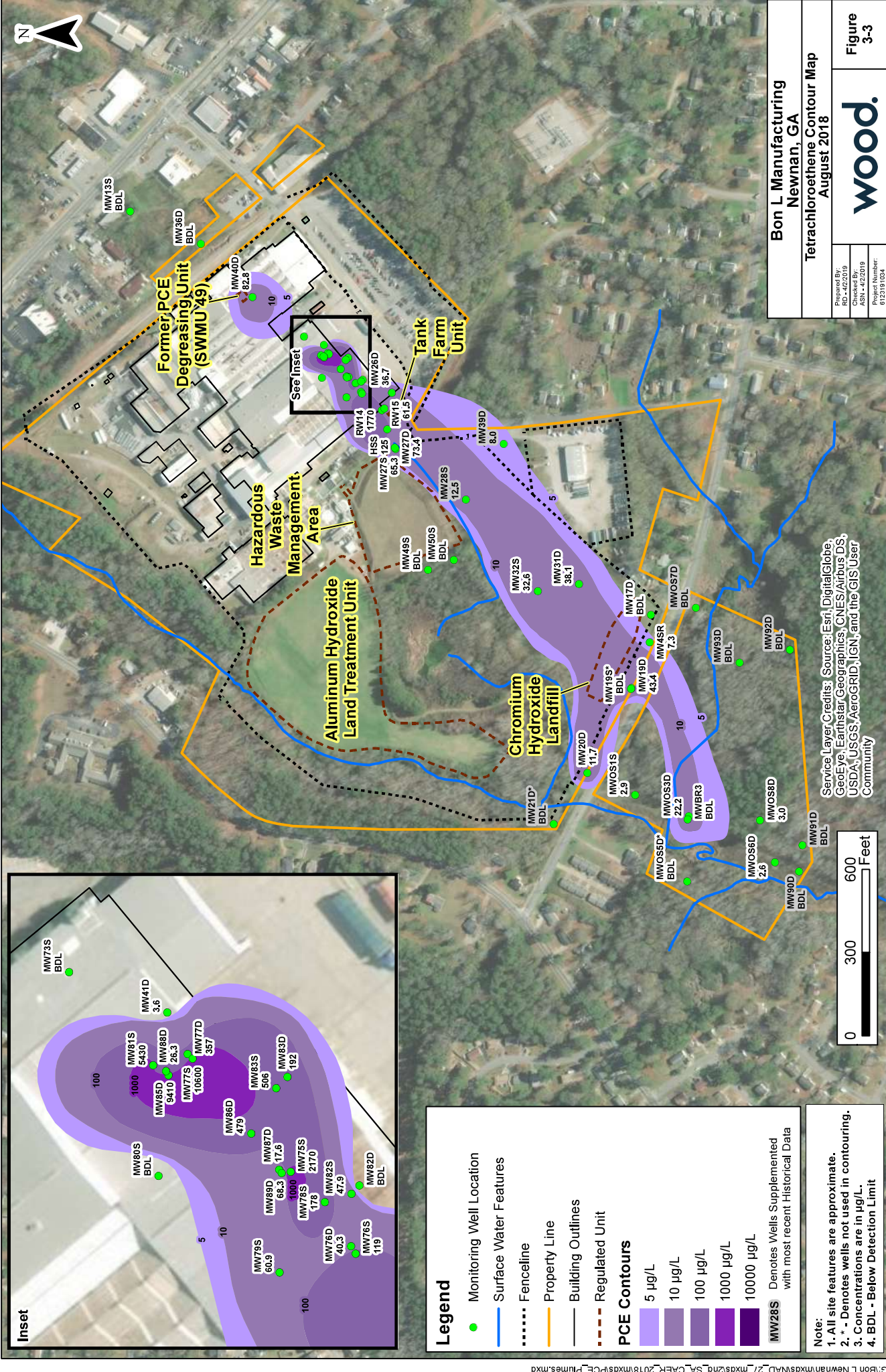


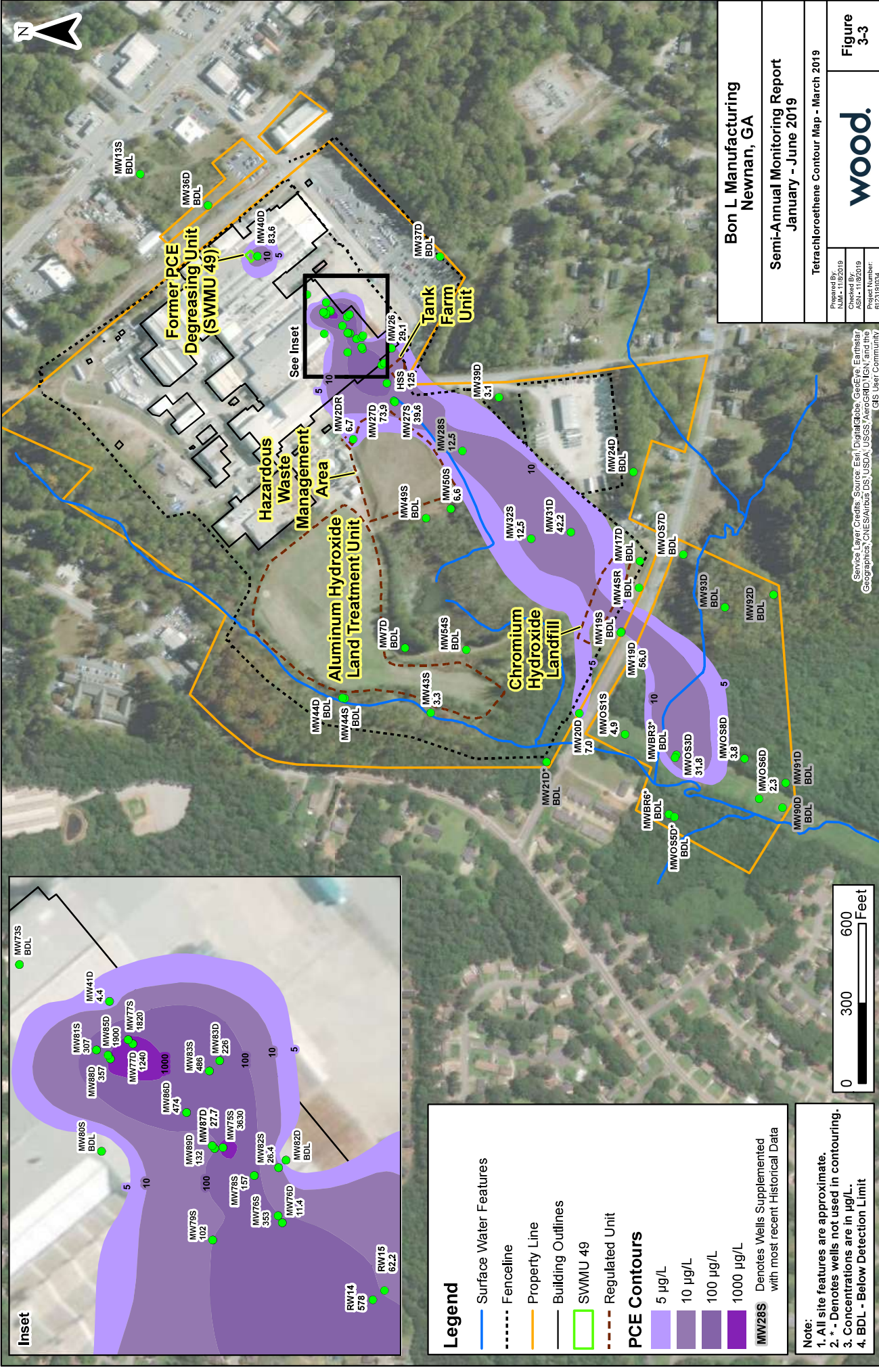
Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, IGP, Swisstopo, and the GIS User Community











Bon L Manufacturing Newnan, GA	
Semi-Annual Monitoring Report January - June 2019	
Tetrachloroethene Contour Map - March 2019	
Prepared By: NUM - 1182019	Figure 3-3
Checked By: ASN - 1182019	
Project Number: 612191604	

Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar, GeoGraphics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Legend

- Surface Water Features
- Fenceline
- Property Line
- Building Outlines
- SWMU 49
- Regulated Unit

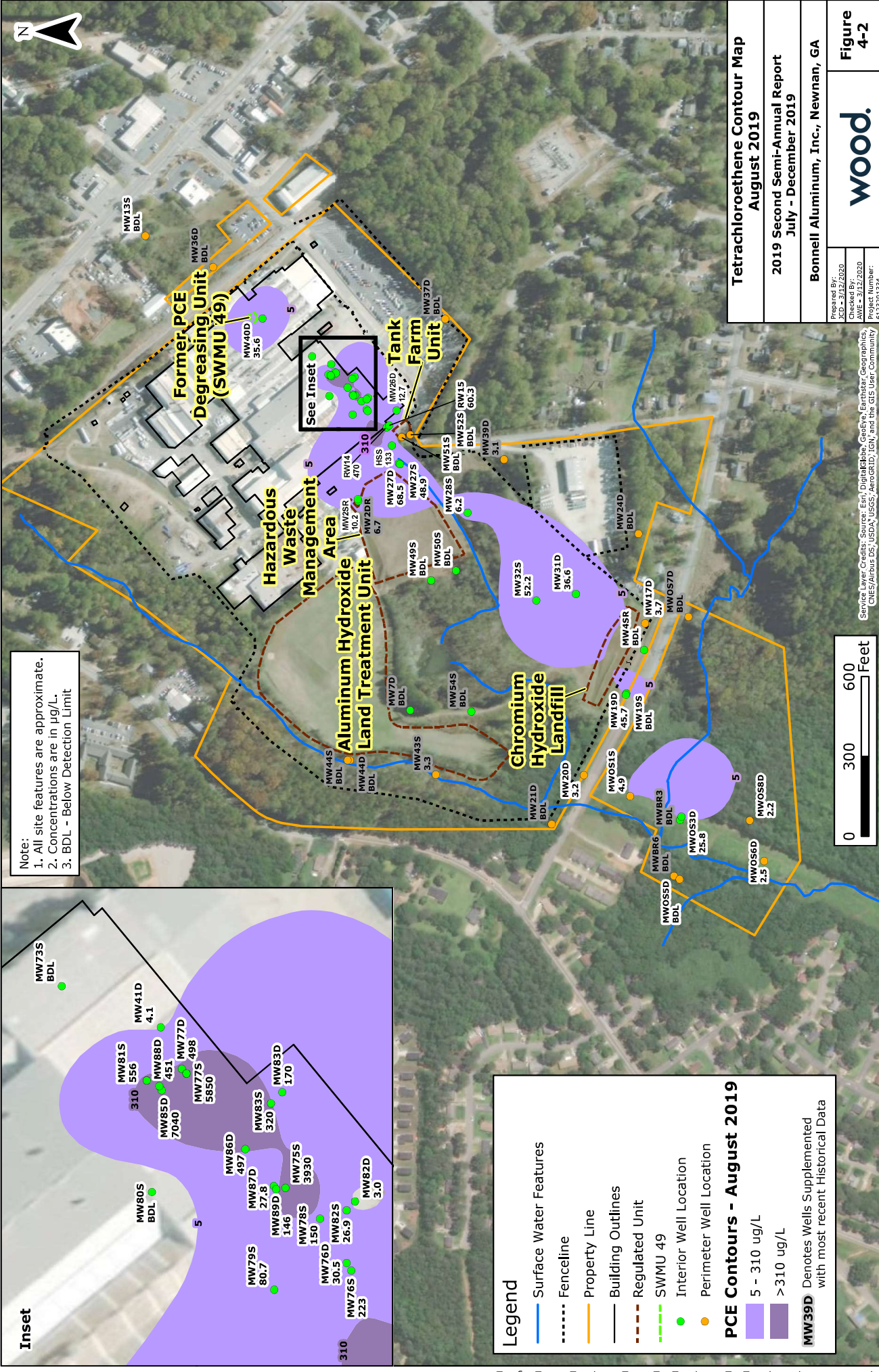
PCE Contours

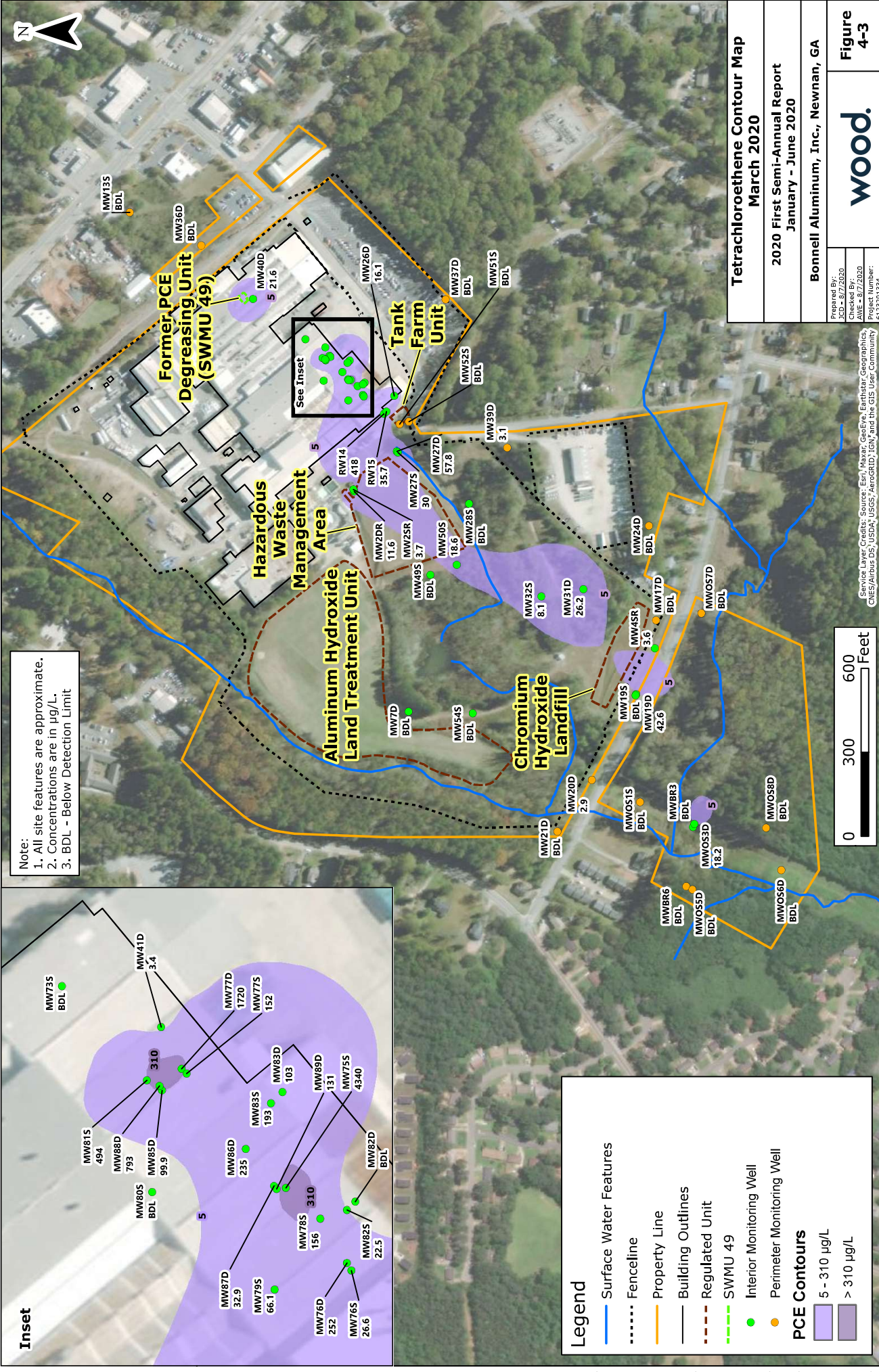
- 5 µg/L
- 10 µg/L
- 100 µg/L
- 1000 µg/L

MW28S Denotes Wells Supplemented with most recent Historical Data

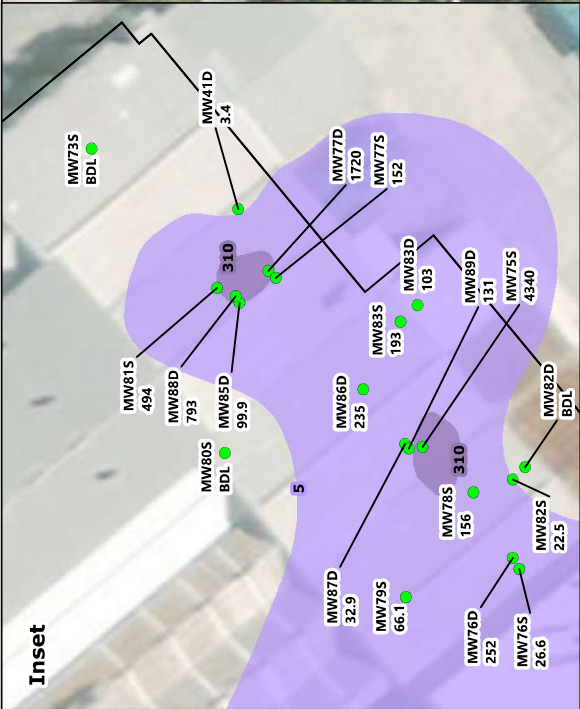
Note:

- All site features are approximate.
- Denotes wells not used in contouring.
- Concentrations are in µg/L.
- BDL - Below Detection Limit





Note:
 1. All site features are approximate.
 2. Concentrations are in µg/L.
 3. BDL - Below Detection Limit



Legend

- Surface Water Features
- Fenceline
- Property Line
- Building Outlines
- Regulated Unit
- SWMU 49
- Interior Monitoring Well
- Perimeter Monitoring Well

PCE Contours

- 5 - 310 µg/L
- > 310 µg/L

Tetrachloroethene Contour Map
 March 2020
 2020 First Semi-Annual Report
 January - June 2020

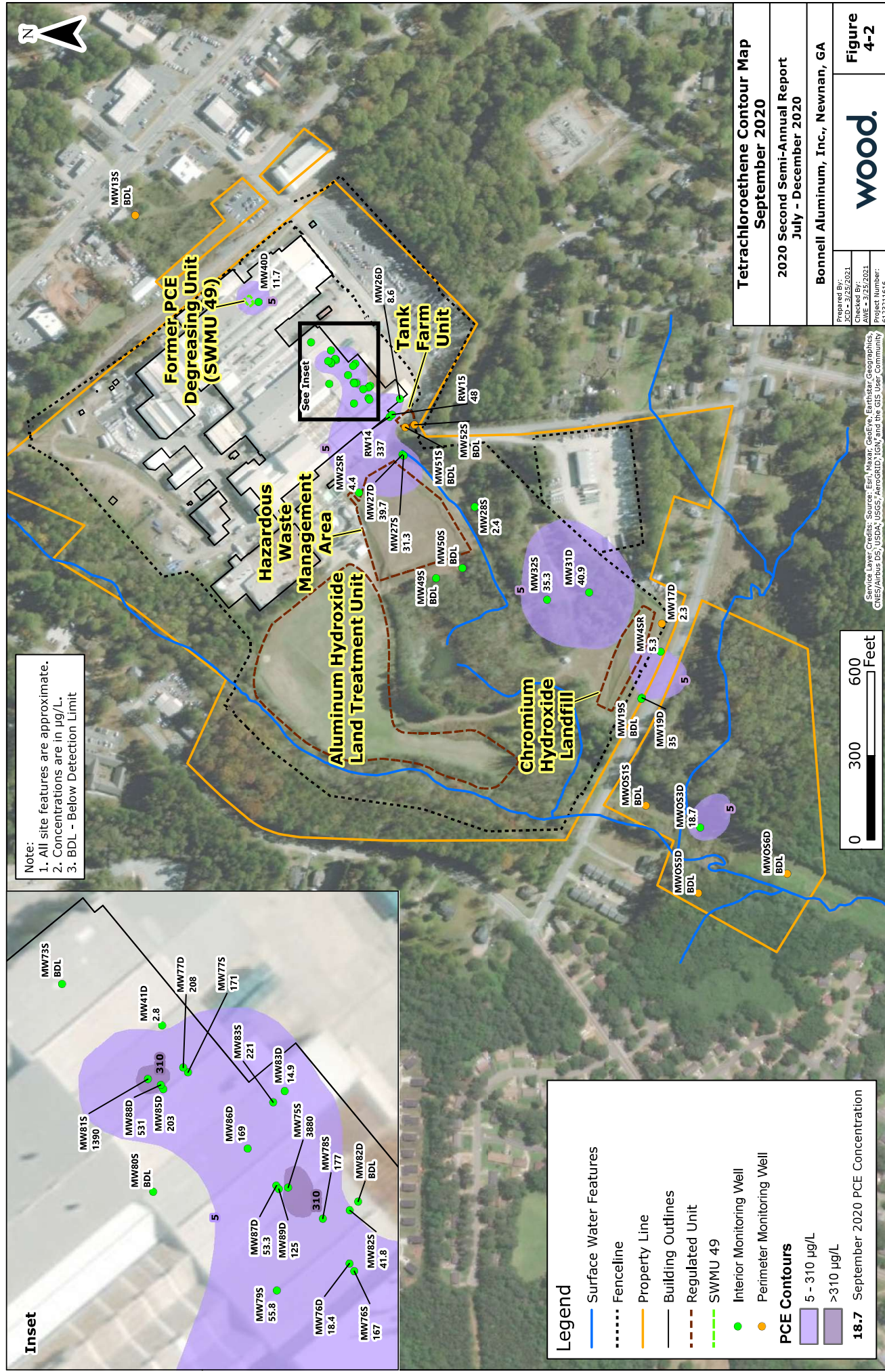
Prepared By:
 JCD - 8/7/2020
 Checked By:
 AWE - 8/7/2020
 Project Number:
 6123201334

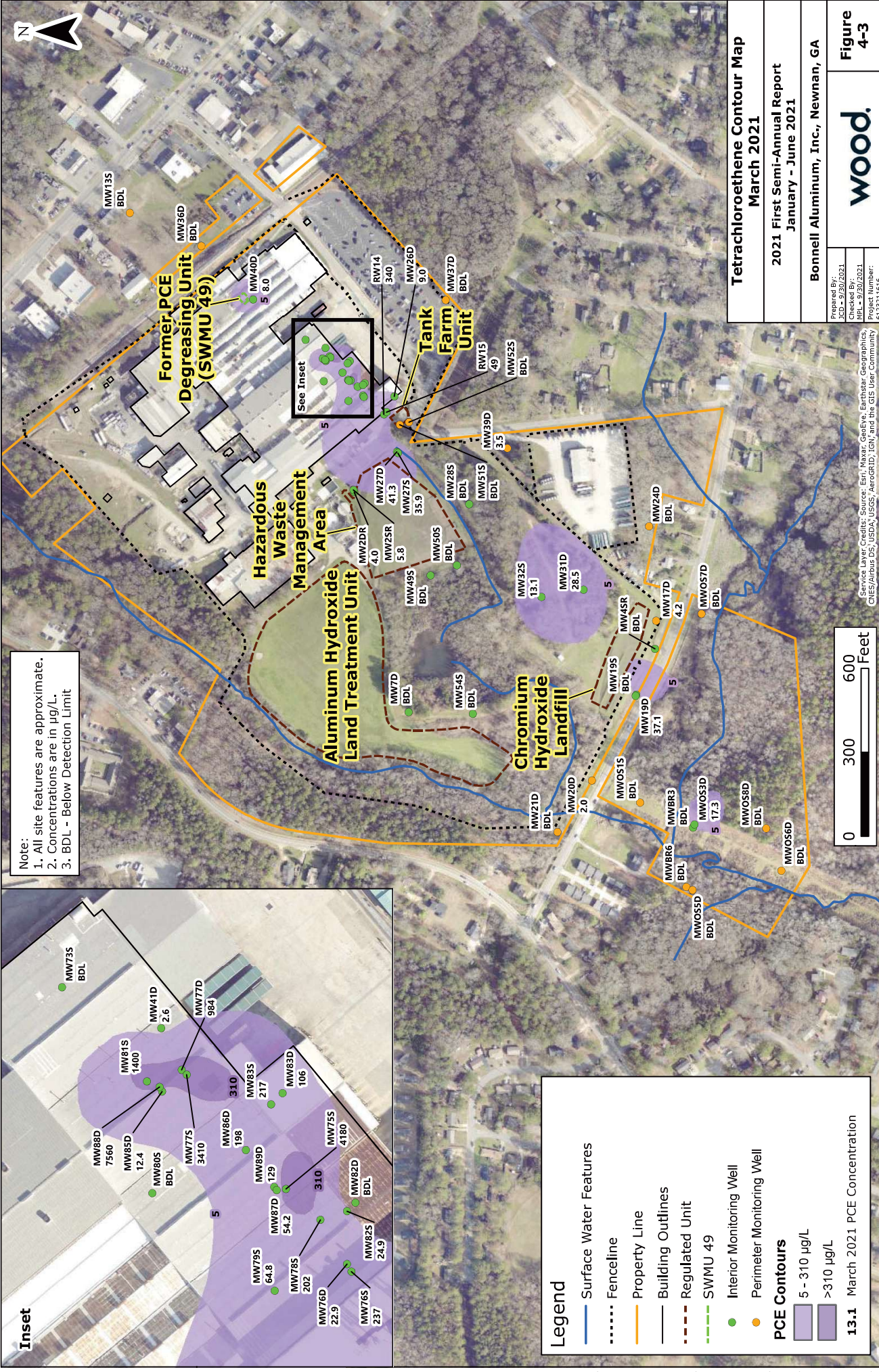
Bonnell Aluminum, Inc., Newnan, GA

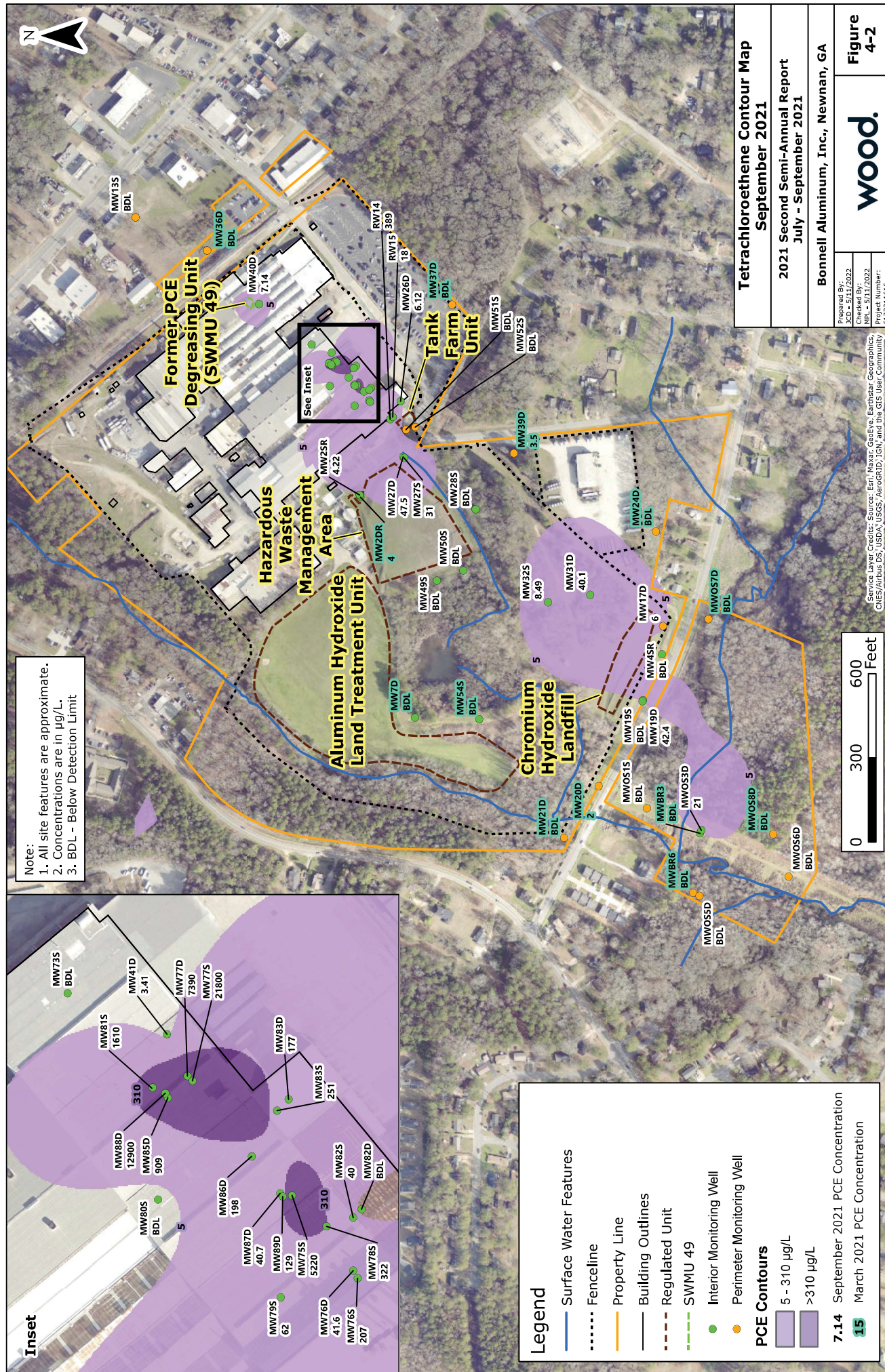
wood.

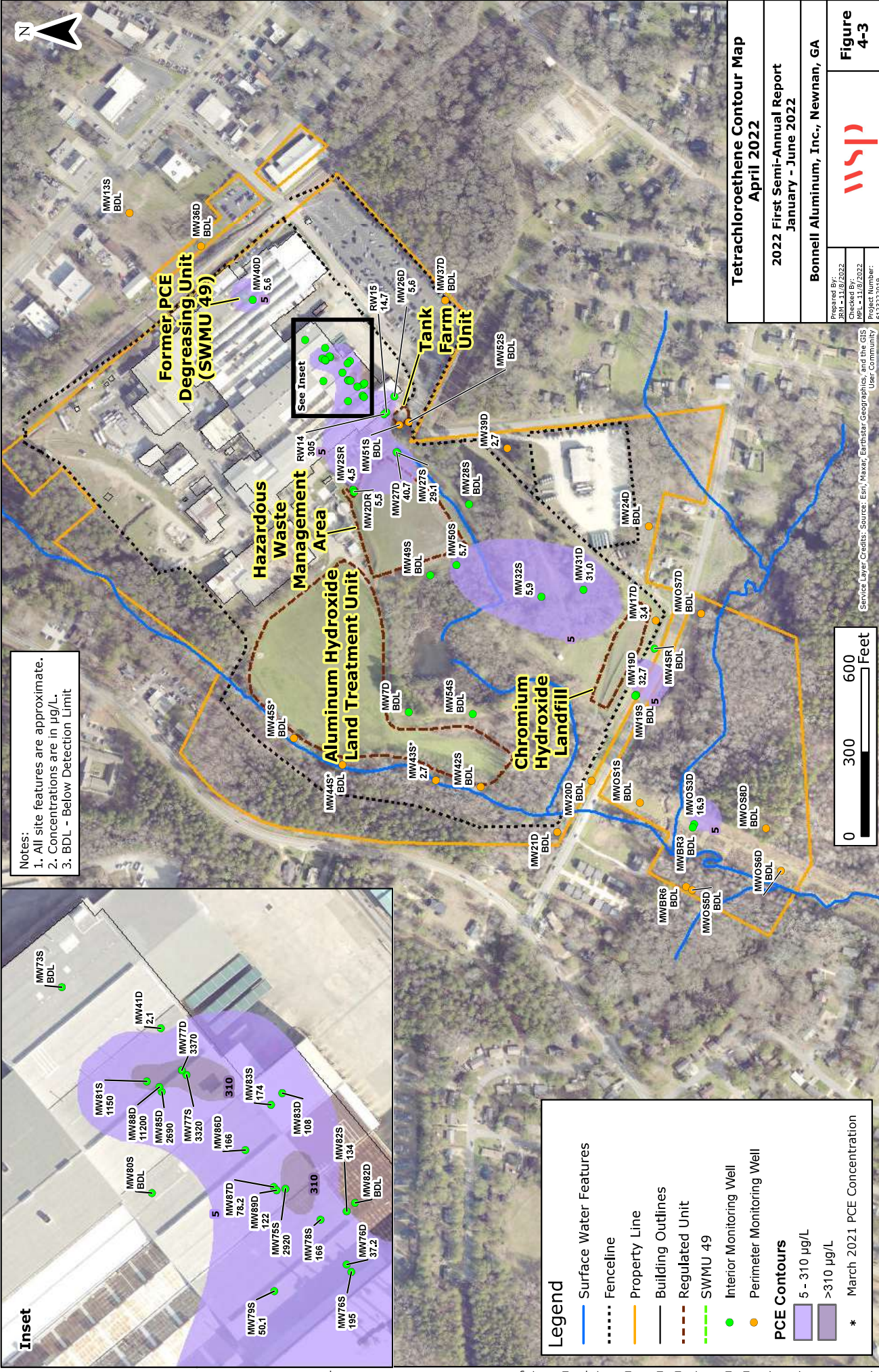
Figure 4-3

Service Layer Credits: Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community









Notes:
1. All site features are approximate.
2. Concentrations are in µg/L.
3. BDL - Below Detection Limit

Inset

Legend

- Surface Water Features
- Fenceline
- Property Line
- Building Outlines
- Regulated Unit
- SWMU 49
- Interior Monitoring Well
- Perimeter Monitoring Well

PCE Contours

- 5 - 310 µg/L
- >310 µg/L

* March 2021 PCE Concentration

Tetrachloroethene Contour Map
April 2022

2022 First Semi-Annual Report
January - June 2022

Bonnell Aluminum, Inc., Newnan, GA

Figure 4-3

Prepared By:
JRM - 11/8/2022
Checked By:
MPL - 11/8/2022
Project Number:
612322019

Service Layer Credits: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

