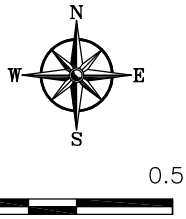
FIGURES



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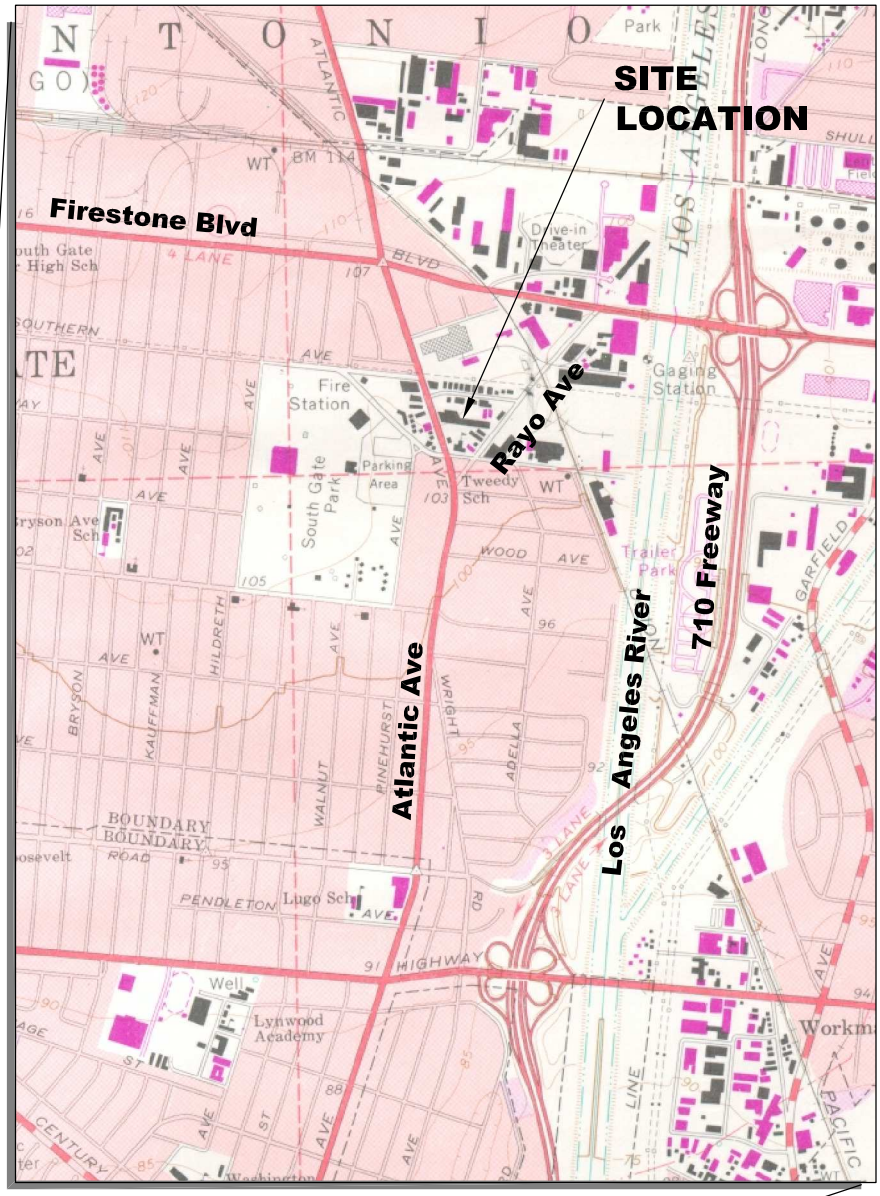
Approximate Scale in Miles



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SACRAMENTO, CA 95833

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Figure 1
Site Location Map

T:\current-work files\COOPER-DRUM\07152008\C-D 71508\071508_FIG_2_SL.dwg Plotted: Jul 16, 2008 - 11:25am Last Save: Jul 16, 2008 - 10:18am

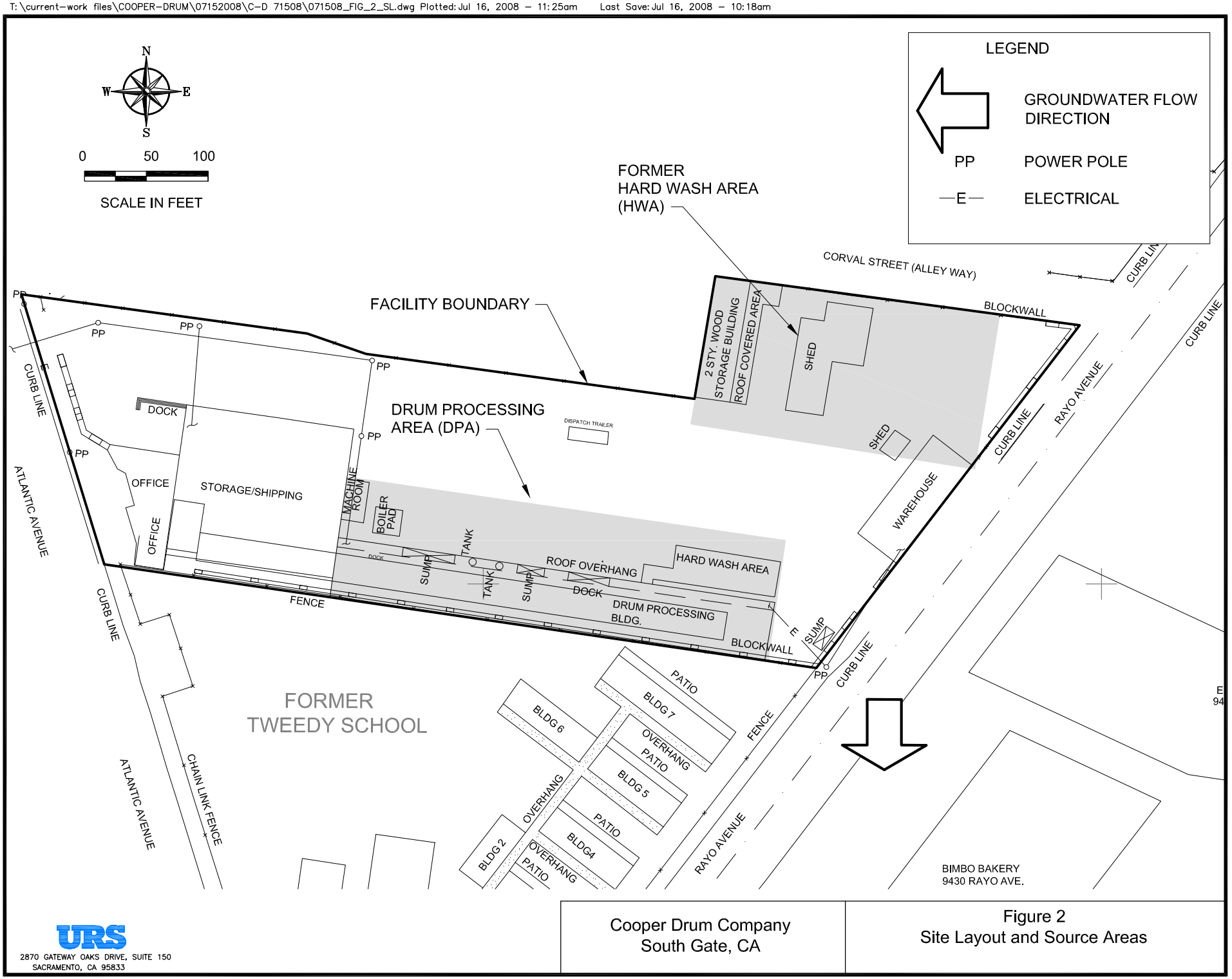

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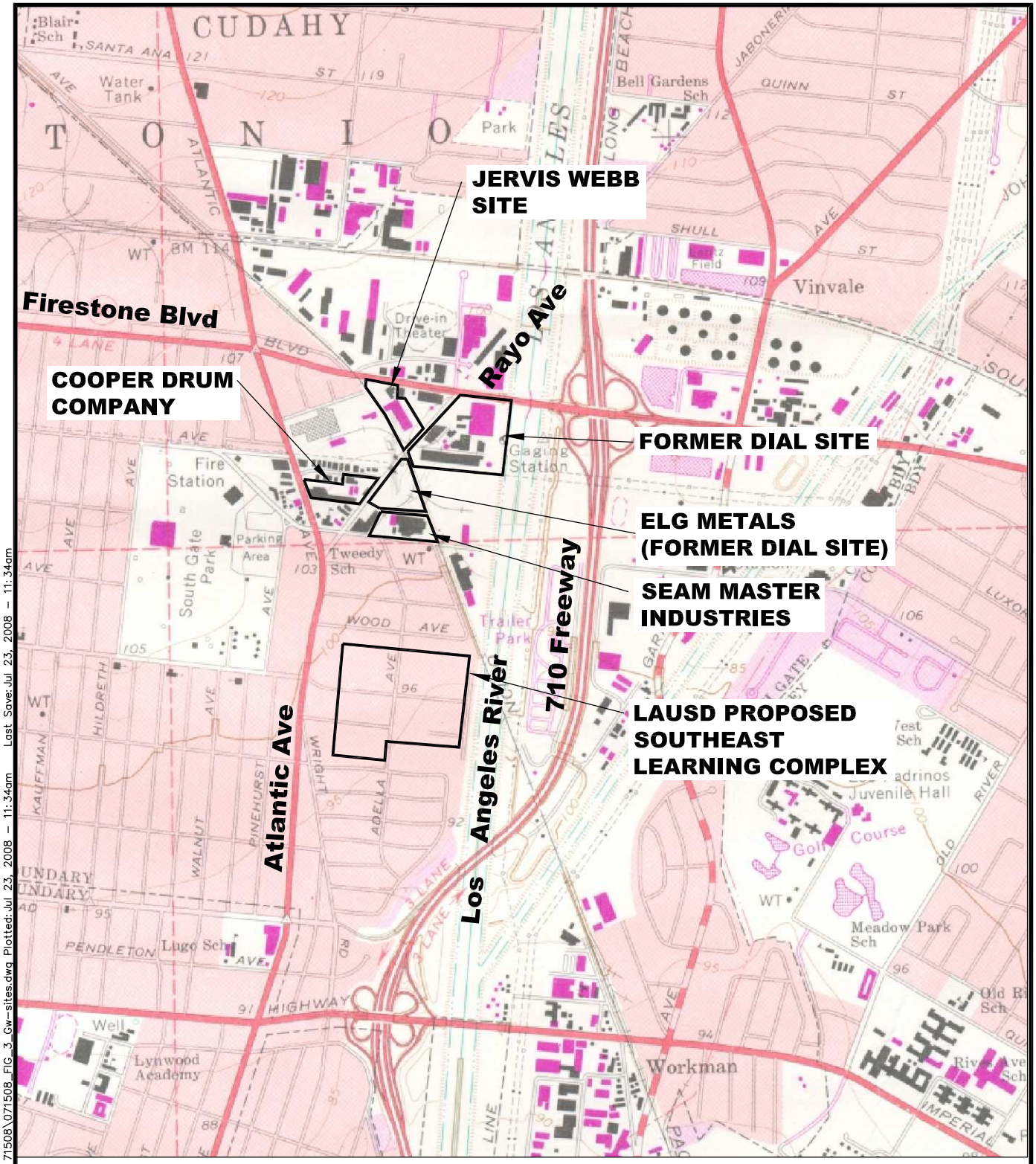
Figure 2
Site Layout and Source Areas



NOTE:
1. THE LOWER DIAL SITE IS CURRENTLY ELG METALS.

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Figure 3
Other Groundwater Sites

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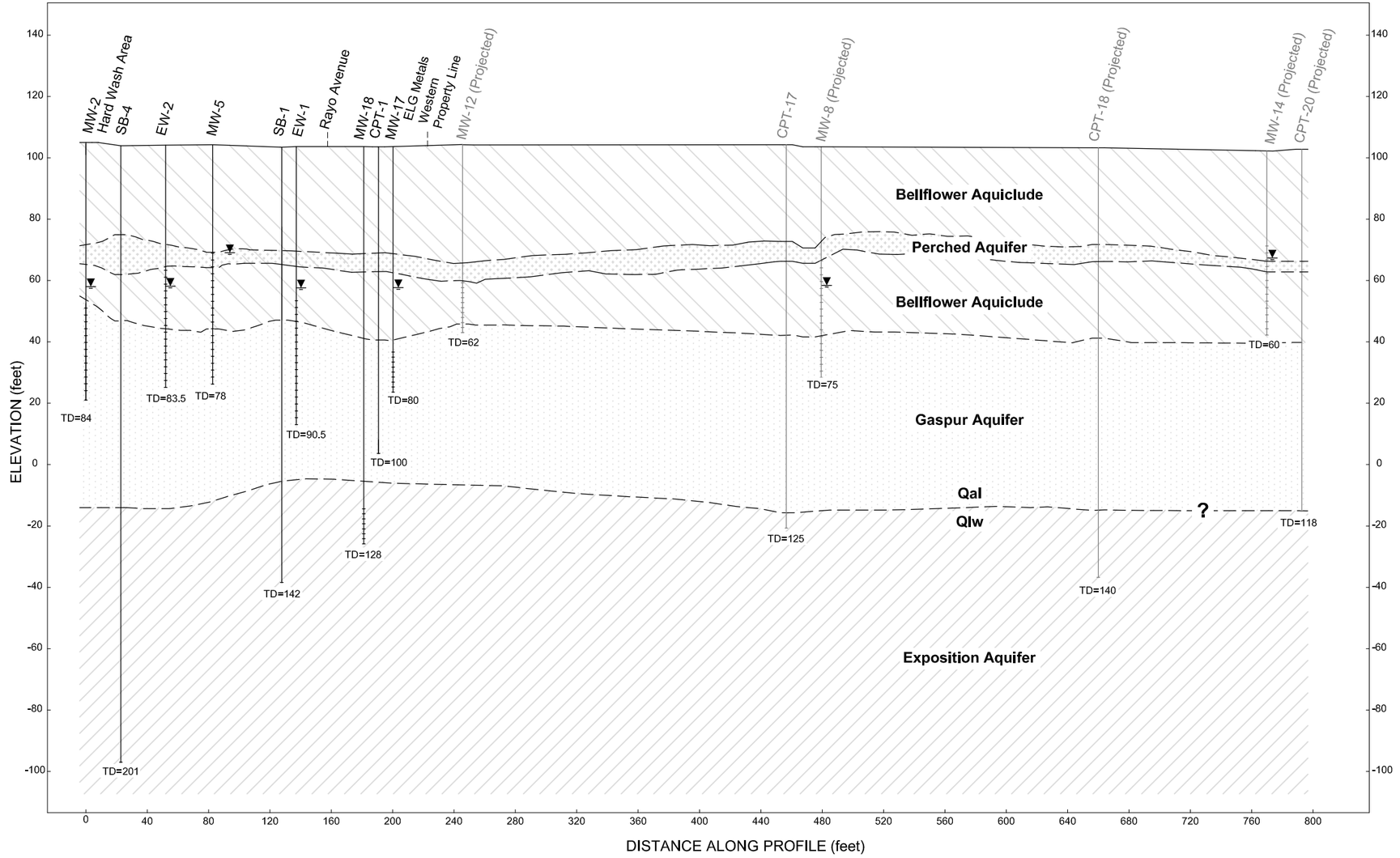

EXPLANATION:

CPT-1 — Borehole Number

Well Construction

Screened Interval

Water Level April, 2008

Qal = Quaternary Alluvium
Qlw = Upper Pleistocare lakewood formation

0 40

Horizontal Scale (feet)
Scale: 1" = 80'
Vertical Exaggeration: 4x
Scale: 1" = 40'

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FIGURE 4
Generalized Geologic Cross Section

Cooper DRA Jul 16, 2008 071508_FIG_4_XSAAG.DWG

Sample Point	Depth feet-bgs	TCE	CIS-1,2-DCE	1,1-DCA
SB-4 (OCT.1998)	92	2.2	2.9	<1
	102	1.9	1.7	<1
	117	<1	<1	<1
	117 (dupl.)	<1	<1	<1
	142	<1	<1	<1
	162	<1	<1	<1
	192	<1	<1	<1
SB-4A (OCT.1998)	66	100	130	19
	66 (dupl.)	130	160	NA
	83	<1	<1	<1

Sample Point	Depth feet-bgs	TCE	CIS-1,2-DCE	1,1-DCA
CPT-13 (OCT.2000)	62	42	30	<0.5
	73	<1	0.4J	<0.5
	92	<0.5	<0.5	<0.5
	130	<0.5	<0.5	<0.5

Sample Point	Depth feet-bgs	TCE	CIS-1,2-DCE	1,1-DCA
CPT-25 (MAY 2003)	72	<0.5	2J	2
	99	<0.5	0.4J	<0.5
	114	<0.5	0.3J	<0.5

Sample Point	Depth feet-bgs	TCE	CIS-1,2-DCE	1,1-DCA
CPT-4 (NOV.1998)	61	220	270	4
	74	<1	<1	<1
	96	<1	<1	<1

Sample Point	Depth feet-bgs	TCE	CIS-1,2-DCE	1,1-DCA
SB-3 (SEPT.1998)	62	8.1	7.4	<1
	82	<1	<1	<1
	103	<1	<1	<1
	132	<1	<1	<1
	151	<1	<1	<1

Sample Point	Depth feet-bgs	TCE	CIS-1,2-DCE	1,1-DCA
CPT-22 (NOV.2000)	68	350	200	2
	78	<1	<1	<1
	92	<1	<1	<1
	116	<1	<1	<1

Sample Point	Depth feet-bgs	TCE	CIS-1,2-DCE	1,1-DCA
CPT-27 (MAY 2003)	62	6.5	4.8	1.3
	78	2.4	0.59	<0.5
	103	4.1	0.52	<0.5
	126	<0.5	<0.5	<0.5

Sample Point	Depth feet-bgs	TCE	CIS-1,2-DCE	1,1-DCA
CPT-7 (MAR.1999)	64	9	5	<1
	81	46	<1	<1
	97	<1	<1	<1
	97 (dupl.)	<1	<1	<1
	116	100	4	2

Sample Point	Depth feet-bgs	TCE	CIS-1,2-DCE	1,1-DCA
CPT-12 (OCT.2000)	62	50	12	<0.5
	73	4,400	25	21
	99	<0.5	<0.5	<0.5
	125	1J	<0.5	<0.5

Sample Point	Screen Interval feet-bgs	TCE	CIS-1,2-DCE	Sample Date
MW-19	67-77	5,700	33	Feb. 2001
MW-19	67-77	1,000	<50	May 2003
MW-19	67-77	450	11	Jan. 2004

Sample Point	Depth feet-bgs	TCE	CIS-1,2-DCE	1,1-DCA
CPT-11 (OCT.2000)	62	31	28	0.9
	73	280	3	2
	88	<0.5	<0.5	<0.5
	105	<0.5	<0.5	<0.5
	123	1J	<0.5	<0.5

Sample Point	Depth feet-bgs	TCE	CIS-1,2-DCE	1,1-DCA
SB-1 (OCT.1998)	63	2,000	97	2.1
	63 (dupl.)	2,000	99	2.3
	83	15	2.9	<1
	103	1.5	2.4	<1
	132	<1	<1	<1
	142	<1	<1	<1

Sample Point	Depth feet-bgs	TCE	CIS-1,2-DCE	1,1-DCA
CPT-3 (NOV.1998)	61	20	13	<1
	78	<1	<1	<1
	78 (dupl.)	<1	<1	<1
	97	22	<1	<1

Sample Point	Depth feet-bgs	TCE	CIS-1,2-DCE	1,1-DCA
CPT-1 (NOV.2000)	67	120	17	<1
	84	4	<1	<1
	97	3	<1	<1

Sample Point	Depth feet-bgs	TCE	CIS-1,2-DCE	1,1-DCA
CPT-2 (NOV.1998)	67	16	3	<1
	82	<1	<1	<1
	98	2	<1	<1

Sample Point	Depth feet-bgs	TCE	CIS-1,2-DCE	1,1-DCA
CPT-28 (MAY 2003)	59	<0.5	<0.5	<0.5
	72	43	42	3
	96	3	4	<0.5
	128	<0.5	<0.5	<0.5

Sample Point	Depth feet-bgs	TCE	CIS-1,2-DCE	1,1-DCA
CPT-17 (OCT.2000)	63	58	27	<0.5
	80	120	10	<0.5
	97	390	16	0.4J
	122	12	2	<0.5

Sample Point	Depth feet-bgs	TCE	CIS-1,2-DCE	1,1-DCA
CPT-18 (OCT.2000)	67	25	11	<0.5
	85	6	0.5J	<0.5
	100	320	14J	<25
	120	0.5J	<0.5	<0.5
	138	0.5J	<0.5	<0.5

Sample Point	Depth feet-bgs	TCE	CIS-1,2-DCE	1,1-DCA
CPT-16 (OCT.2000)	60	<0.5	<0.5	<0.5
	72	13	5	0.7
	95	13	0.5J	<0.5
	120	1	0.5J	<0.5

Sample Point	Depth feet-bgs	TCE	CIS-1,2-DCE	1,1-DCA
CPT-30 (MAY 2003)	64	0.4J	<0.5	<0.5
	80	130	30	1.1
	98	23	7.4	<0.5
	128	<0.5	<0.5	<0.5

Sample Point	Depth feet-bgs	TCE	CIS-1,2-DCE	1,1-DCA
CPT-20 (OCT.2000)	64	24	9	<0.5
	80	51	14	<3
	97	5	3	<0.5
	118	22	14	1

Sample Point	Depth feet-bgs	TCE	CIS-1,2-DCE	1,1-DCA
CPT-9 (MAR.1999)	60	<1	2	<1
	80	16	7	<1
	97	43	6	<1
	119	9	5	<1

Sample Point	Depth feet-bgs	TCE	CIS-1,2-DCE	1,1-DCA
CPT-8 (MAR.1999)	65	21	240	<1
	80	18	2	<1
	96	90	8	<1
	107	2	2	<1

Sample Point	Depth feet-bgs	TCE	CIS-1,2-DCE	1,1-DCA
CPT-21 (OCT.2000)	63	8,000	4,900	<250
	87	11,000	4,900	<250
	100	12	8	<0.5
	120	1	1	<0.5
	140	1	1	<0.5

Sample Point	Depth feet-bgs	TCE	CIS-1,2-DCE	1,1-DCA
CPT-10 (MAR.1999)	65	16,000	4,500	14
	85	5	12	<1
	102	38	31	<1
	102(dupl.)	80	80	<1
	120	2	2	<1

Sample Point	Depth feet-bgs	TCE	CIS-1,2-DCE	1,1-DCA
CPT-36 (MAY 2003)	58	<0.5	<0.5	<0.5
	72	5	2	<0.5
	89	140	5	2
	108	<0.5	2	<0.5
	128	<0.5	<0.5	<0.5

LEGEND

- CPT-1 — CONE PENETROMETER TESTING LOCATION AND DEPTH DISCRETE GROUNDWATER SAMPLING LOCATION (CPT-1 THROUGH CPT-39)
- MW-1 — ON-SITE GROUNDWATER MONITORING WELL LOCATION (MW-1, MW-2, MW-4, MW-5, and MW-21)
- EW-1 — GROUNDWATER EXTRACTION WELL LOCATION
- MW-8 — OFF-SITE GROUNDWATER MONITORING WELL LOCATION (MW-3, MW-8, MW-10, MW-12, AND MW-14 THROUGH MW-20, AND MW-22 THROUGH MW-32)
- SB-1 — SOIL BORING LOCATION AND DEPTH DISCRETE GROUNDWATER SAMPLING LOCATION
- —10— TCE GROUNDWATER CONTOUR IN MICROGRAMS PER LITER

TCE	Trichloroethene
CIS-1,2-DCE	cis-1,2-Dichloroethene
1,1-DCA	1,1-Dichloroethane
ug/L	Micrograms per Liter (parts per billion - ppb)
bgs	Below Ground Surface
N	Tentatively Identified
J	Estimated Value

TCE

- > 1 ug/L - < 5 ug/L
- > 5 ug/L - < 10 ug/L
- > 10 ug/L - < 100 ug/L
- > 100 ug/L - 1,000 ug/L
- > 1,000 ug/L - 10,000 ug/L
- > 10,000 ug/L

N W E S

120 60 0 120 240

SCALE IN FEET

Sample Point	Depth feet-bgs	TCE	CIS-1,2-DCE	1,1-DCA
CPT-26 (MAY 2003)	72	99	17	<0.5
	88	110	11	0.7
	102	240	12	<0.5
	125	0.3J	<0.5	<0.5

Sample Point	Depth feet-bgs	TCE	CIS-1,2-DCE	1,1-DCA
CPT-35 (MAY 2003)	58	<0.5	<0.5	<0.5
	72	20	4	<0.5
	90	35	4	<2.0
	110	<0.5	<0.5	<0.5
	128	<0.5	<0.5	<0.5

Sample Point	Depth feet-bgs	TCE	CIS-1,2-DCE	1,1-DCA
CPT-38 (MAY 2003)	72	14	4J	<0.5
	90	10	8J	<0.5
	113	<0.5	<0.5	<0.5
	129	<0.5	<0.5	<0.5

Sample Point	Depth feet-bgs	TCE	CIS-1,2-DCE	1,1-DCA
CPT-29 (MAY 2003)	60	<0.5	<0.5	<0.5
	74	52	61	1.6
	91	29	29	2.6
	109	<0.5	7.4	<0.5
	128	<0.5	<0.5	<0.5

Sample Point	Depth feet-bgs	TCE	CIS-1,2-DCE	1,1-DCA
CPT-37 (MAY 2003)	72	4.4	3.4	<0.5
	90	1.4	3.5	<0.5
	112	<0.5	<0.5	<0.5
	128	<0.5	0.3J	<0.5

Sample Point	Depth feet-bgs	TCE	CIS-1,2-DCE	1,1-DCA
CPT-34 (MAY 2003)	72	33	17	<0.5
	90	15	14	0.8
	108	<0.5	<0.5	<0.5
	128	<0.5	<0.5	<0.5

Sample Point	Depth feet-bgs	TCE	CIS-1,2-DCE	1,1-DCA
CPT-33 (MAY 2003)	72	5	2	<0.5
	88	1	0.7	<0.5
	102	4	16J	<0.5
	126	<0.5	<0.5J	<0.5

Sample Point	Depth feet-bgs	TCE	CIS-1,2-DCE	1,1-DCA
CPT-15 (OCT.2000)	62	<0.5	0.9	<0.5
	80	49	86	9
	100	9	20	0.5
	130	<0.5	<0.5	<0.5

Sample Point	Depth feet-bgs	TCE	CIS-1,2-DCE	1,1-DCA
SB-5 (OCT.1998)	63	<1	<1	<1
	63 (dupl.)	<1	<1	<1
	82.5	<1	<1	<1
	82.5 (dupl.)	<1	<1	<1
	102	<1	3.6	<1
	131	<1	<1	<1
	131 (dupl.)	<1	<1	<1
	151	<1	<1	<1
	181	<1	<1	<1
	201	<1	<1	<1

Sample Point	Depth feet-bgs	TCE	CIS-1,2-DCE	1,1-DCA
CPT-14 (OCT.2000)	62	<0.5	0.5J	<0.5
	90	25	0.8	<0.5
	117	0.3J	<0.5	<0.5
	137	1	<1	<0.5

Sample Point	Depth feet-bgs	TCE	CIS-1,2-DCE	1,1-DCA
SB-2 (OCT.1998)	62	<1	<1	<1
	82	<1	<1	<1
	90	<1	5.7	<1
	100	3.2	9.7	<1
	130	<1	<1	<1
	140	<1	<1	<1
	160	<1	<1	<1
	191	<1	<1	<1

Sample Point	Depth feet-bgs	TCE	CIS-1,2-DCE	1,1-DCA
SB-6 (OCT./NOV.1996)	76	<1	<1	NA
	76 (dup)	<1	<1	NA
	90	2	0.4	NA
	90 (dup)	3	0.4	NA
	105	<1	<1	NA
	115	<1	<1	NA
	120	<1	<1	NA
	131	<1	<1	NA
	165	<1	<1	NA
	205	<1	<1	NA

Sample Point	Depth feet-bgs	TCE	CIS-1,2-DCE	1,1-DCA
CPT-6 (MAR.1999)	63	<1	<1	2
	78	<1	<1	0.6J
	78 (dupl.)	<1	<1	<1
	95	<1	<1	1
	111	<1	<1	2

Sample Point	Depth feet-bgs	TCE	CIS-1,2-DCE	1,1-DCA
SB-7 (OCT./NOV.1996)	70	<1	<1	NA
	70 (dup)	<1	<1	NA
	80	<1	<1	NA
	80 (dup)	<1	<1	NA
	70 (dup)	<1	<1	NA
	90	39	2	NA
	100	43	2	NA
	120	<1	<1	NA
	130	<1	<1	NA
	140	<1	<1	NA
	160	<1	<1	NA

Sample Point	Depth feet-bgs	TCE	CIS-1,2-DCE	1,1-DCA
CPT-5 (MAR.1999)	65	<1	<1	<1
	81	<1	<1	<1
	96	14	<1	<1
	116	<1	<1	<1

Sample Point	Depth feet-bgs	TCE	CIS-1,2-DCE	1,1-DCA
CPT-31 (MAY 2003)	69	16	7.0	<0.5
	90	<0.5	<0.5	<0.5
	108	<0.5	2J	<0.5

Sample Point	Depth feet-bgs	TCE	CIS-1,2-DCE	1,1-DCA
CPT-23 (NOV.2000)	67	0.8J	0.9J	<1
	82	46	43	<1
	102	23	25	<1
	120	<1	<1	<1

Sample Point	Depth feet-bgs	TCE	CIS-1,2-DCE	1,1-DCA
CPT-32 (MAY 2003)	73	0.3J	<0.5	<0.5
	90	2.0	0.3J	<0.5
	111	<0.5	<0.5	<0.5
	128	<0.5	<0.5	<0.5

Sample Point	Depth feet-bgs	TCE	CIS-1,2-DCE	1,1-DCA
CPT-19 (OCT.2000)	62	170	41	19
	80	960	210	49
	100	32	22	2
	125	6	4	1

Sample Point	Depth feet-bgs	TCE	CIS-1,2-DCE	1,1-DCA
CPT-24 (OCT.2000)	62	13	8	<1
	80	32	25	<1
	98	12	13	0.7J
	120	<1	<1	<1

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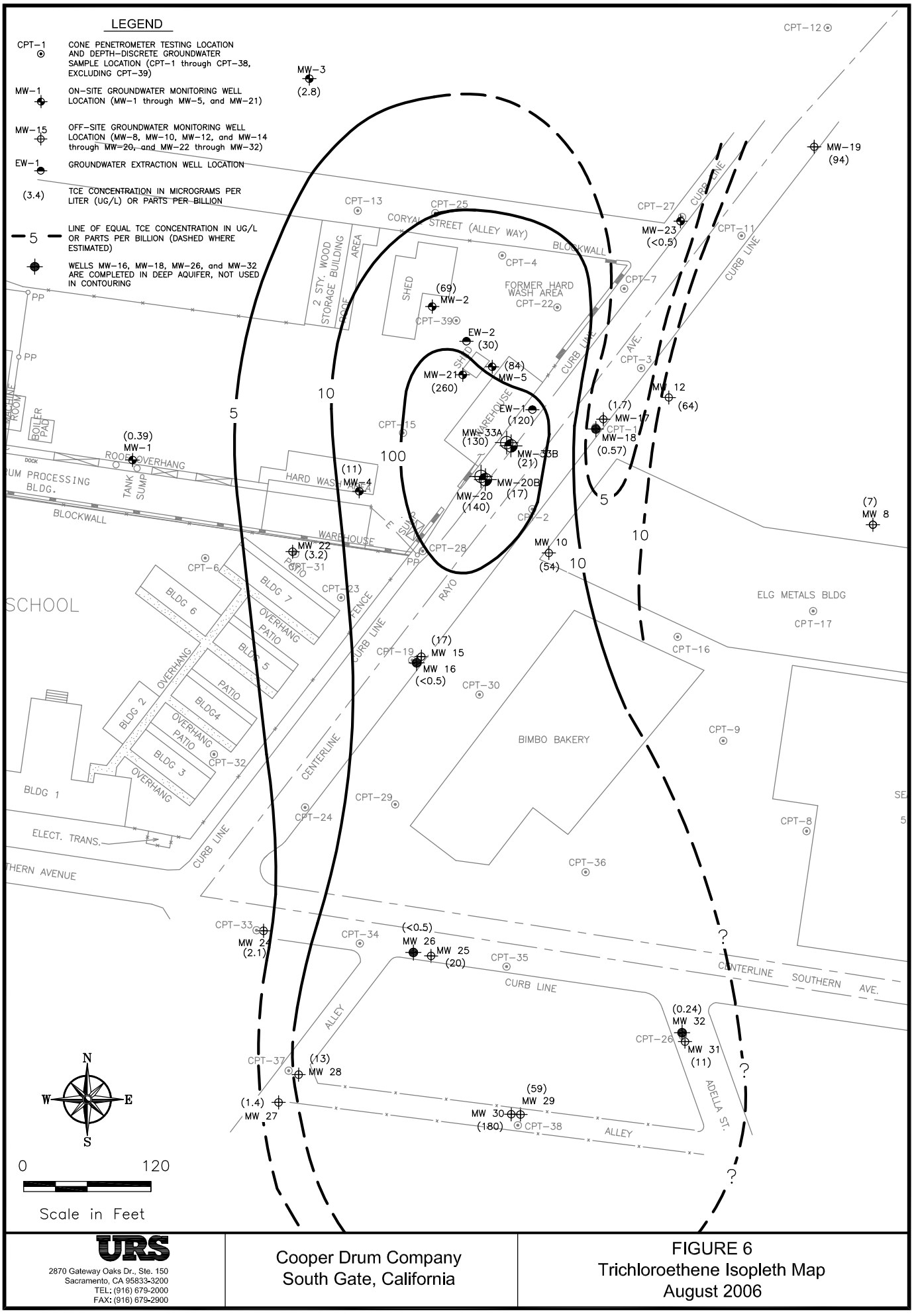
South Gate, California

FIGURE 5
Depth Discrete
Groundwater Sample VOC Analytical Results



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FAX: (916) 679-2900

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FIGURE 6
Trichloroethene Isopleth Map
August 2006

PLOT BY: ROBERT_P_TAYLOR - Jul 16, 2008 - 11:27:28am
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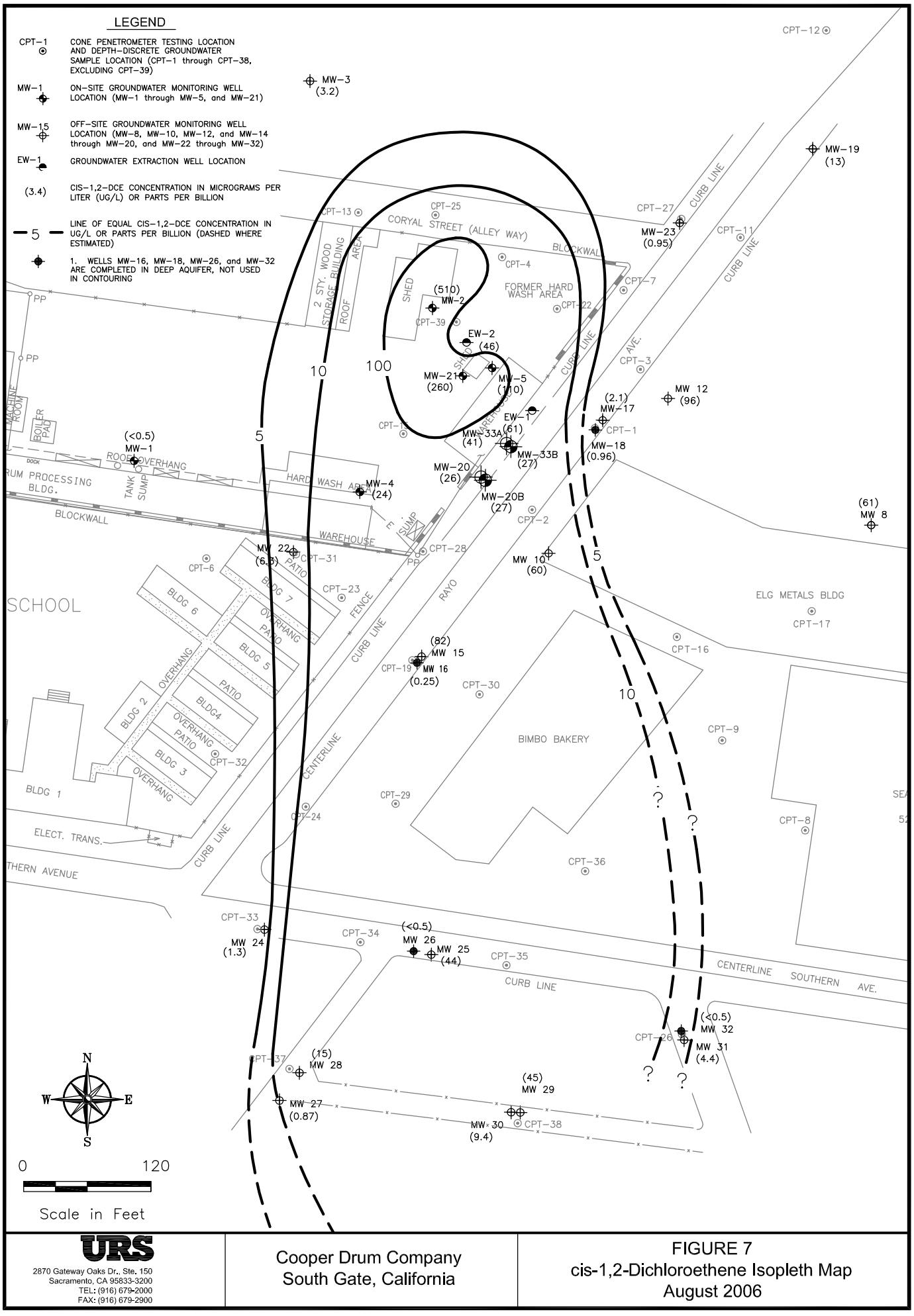

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FIGURE 7
cis-1,2-Dichloroethene Isopleth Map
August 2006

PLOT BY: ROBERT_P_TAYLOR - Jul 16, 2008 - 11:28:29am
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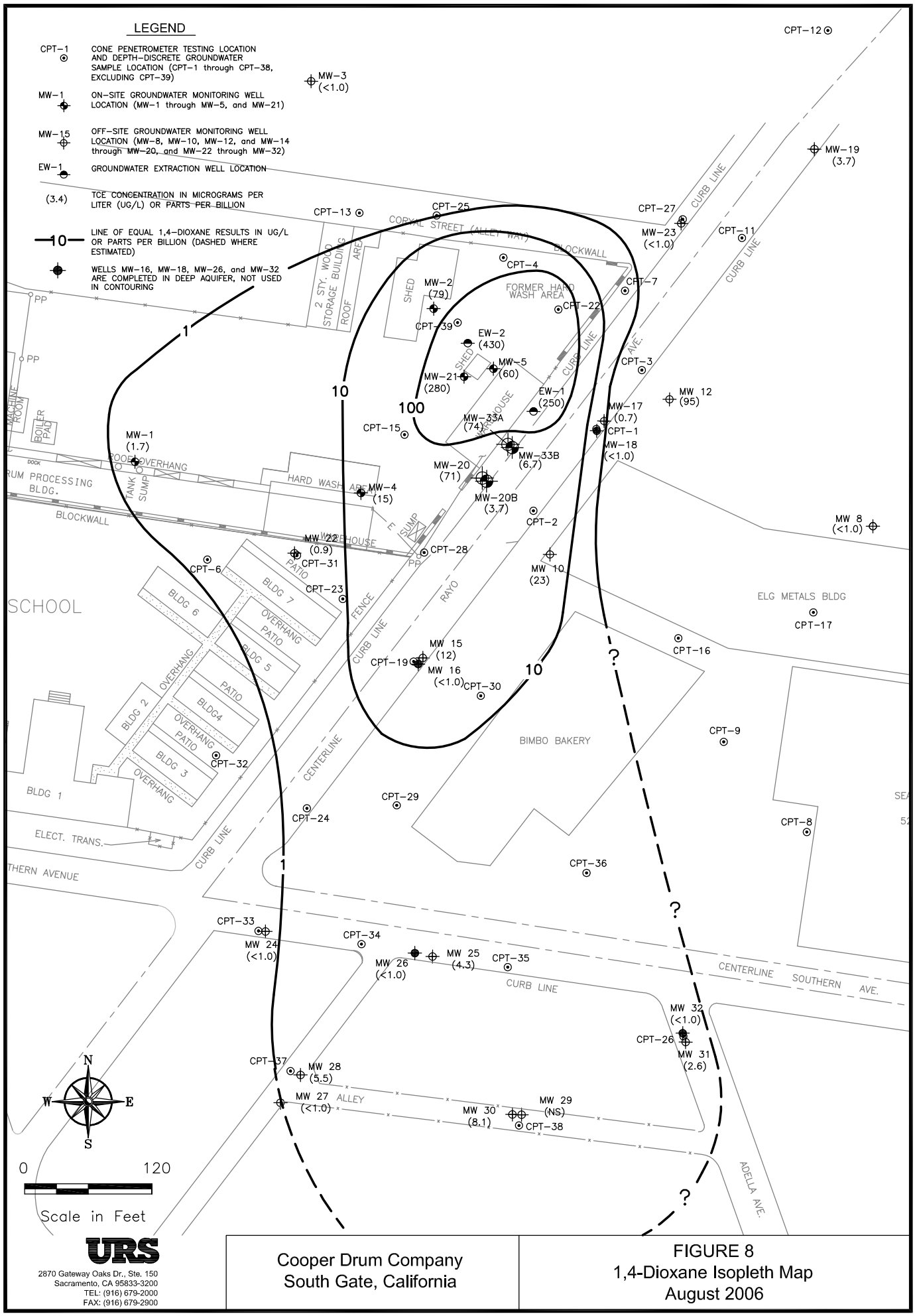

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FIGURE 8
1,4-Dioxane Isopleth Map
August 2006

PLOT BY: ROBERT_P_TAYLOR - Jul 16, 2008 - 11:29:06am
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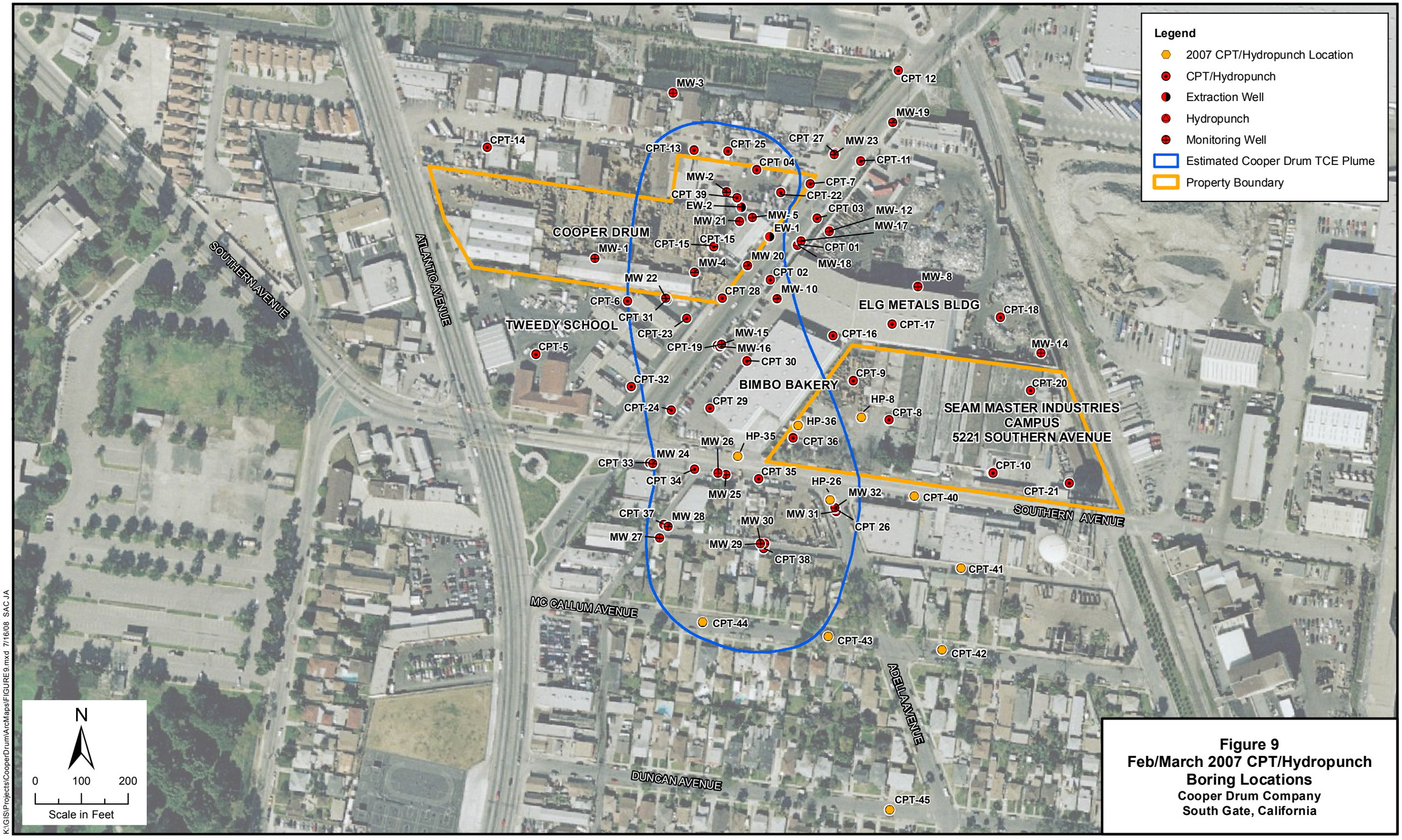

Figure 9
Feb/March 2007 CPT/Hydropunch Boring Locations
Cooper Drum Company
South Gate, California

K:\GIS\Projects\CooperDrum\ArcMaps\FIGURE9.mxd 7/16/08 SAC JA