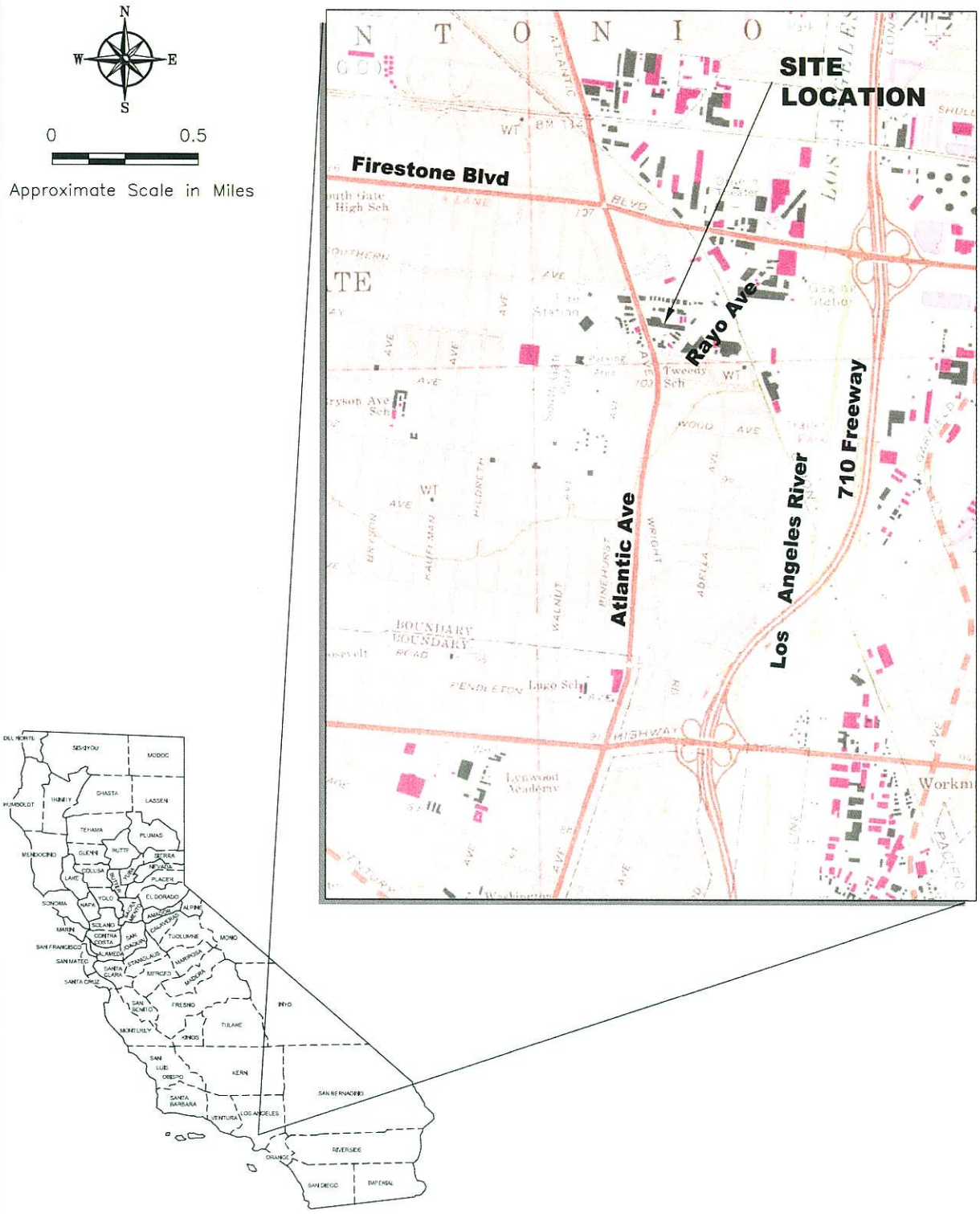
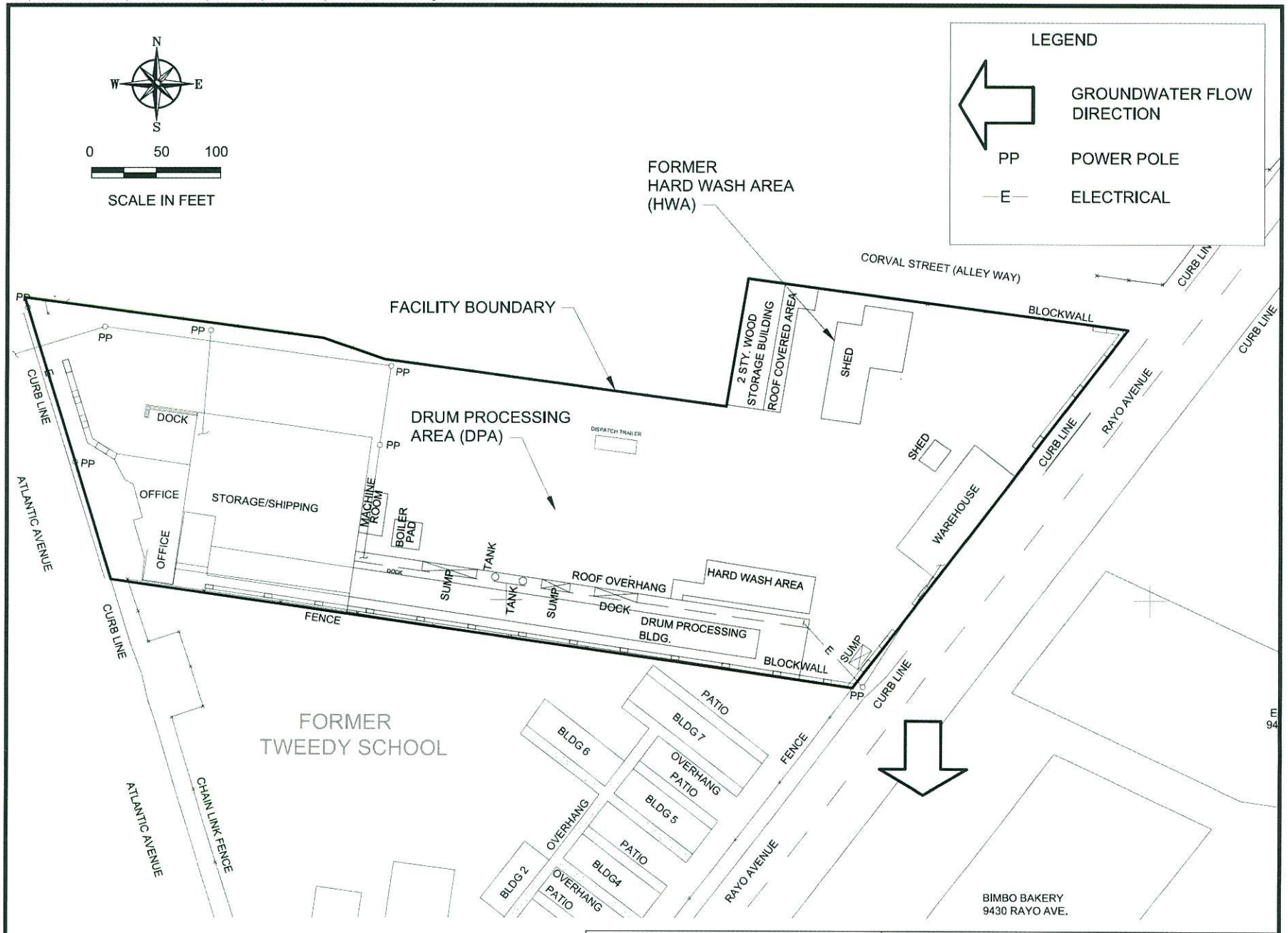
FIGURES



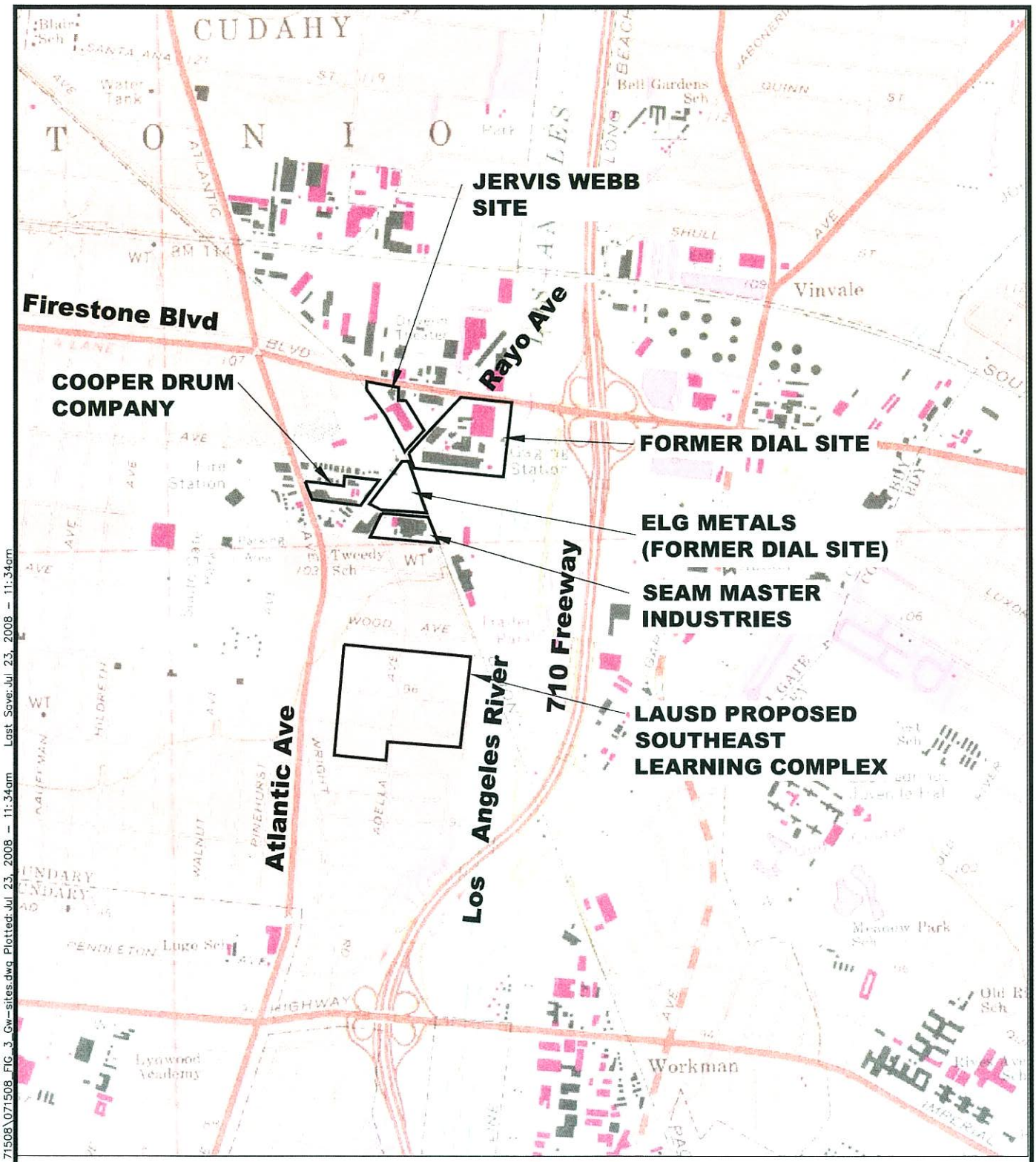
T:\current-work files\COOPER-DRUM\07152008\C-D 71508\071508_FIG_1_SLM.dwg Plotted:Jul 16, 2008 - 11:24am Last Save:Jul 16, 2008 - 9:08am

Cooper Drum Company South Gate, CA	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



Cooper Drum Company South Gate, CA	Figure 2 Site Layout and Source Areas



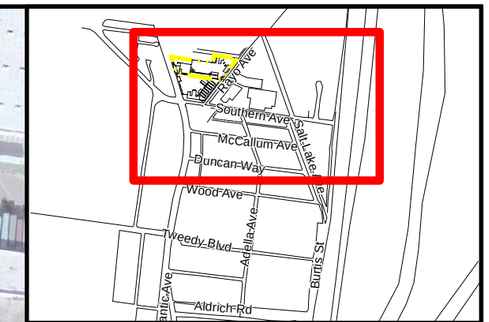
0 0.5

Approximate Scale in Miles

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

Cooper Drum Company South Gate, CA	Figure 3 Other Groundwater Sites

T:\current-work files\COOPER-DRUM\07152008\C-D 71508\071508 FIG 3 Gw-sites.dwg Plotted: Jul 23, 2008 - 11:34am Last Save: Jul 23, 2008 - 11:34am



Legend

- 2008 Cone Penetrometer Test Boring
- 2009 Monitoring Well
- 2009 Extraction Well
- 2008 Hydropunch Boring
- Previous CPT Boring
- Previous Monitoring Well
- Previous Extraction Well
- Previous Hydropunch Boring
- Roads
- Property Boundary
- A - A' Cross Section Line

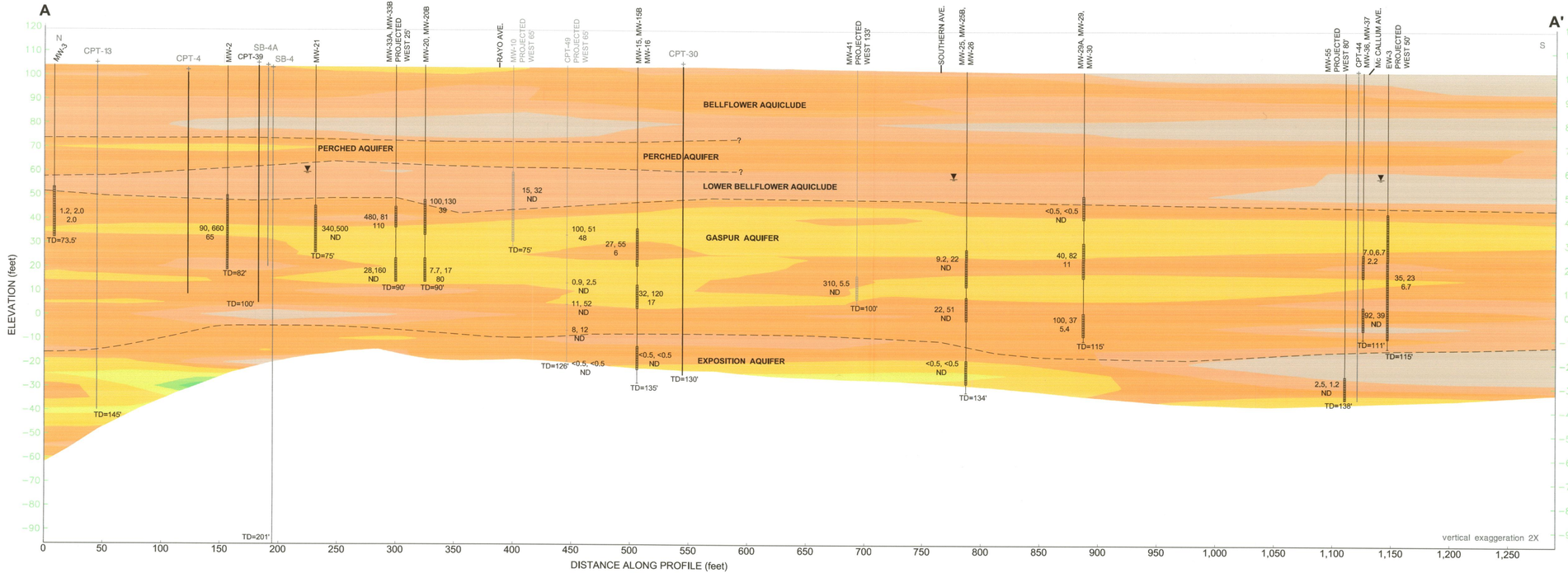
N

0 100 200

Scale in Feet

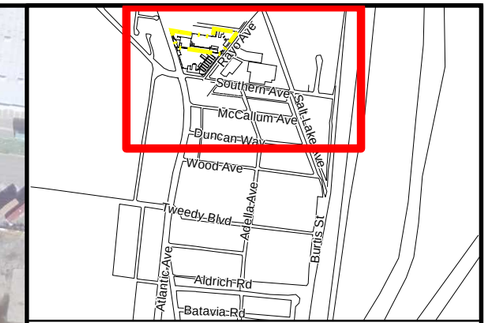
Figure 4
CPT and Well Locations
Cooper Drum Company
South Gate, California

L:\GIS\Projects\CooperDrum\ArcMaps\CPT_well_locs 10.05.09 Chico



Cooper Drum Company
South Gate, California

Figure 5
Geologic Cross Section A-A'



Legend

- Groundwater Elevation Contour
- Extraction Well
- Monitoring Well
- Roads
- Property Boundary

MW-46 51.93 **Location ID**
Groundwater elevation in feet above mean sea level

N

0 100 200
Scale in Feet

Figure 6
Groundwater Elevation Contours, Shallow Gaspur, May 2009
Cooper Drum Company
South Gate, California

L:\GIS\Projects\CooperDrum\ArcMaps\Elev_contours_shallow 07.15.09 Chico

Legend

- Groundwater Elevation Contour
- Extraction Well
- Monitoring Well
- Roads
- Property Boundary

MW-46 51.93 **Location ID** Groundwater elevation in feet above mean sea level

* Not used in contouring

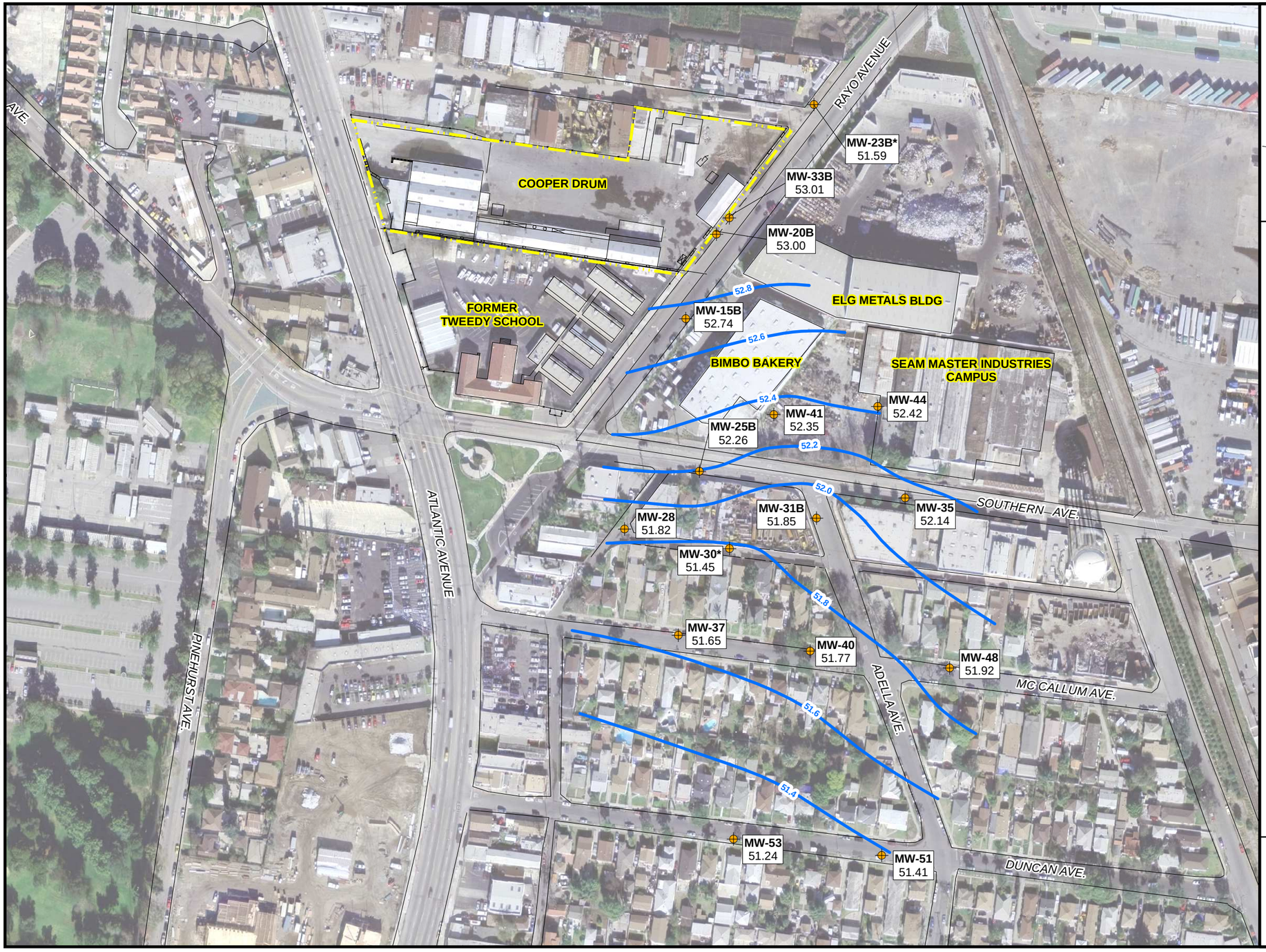
N

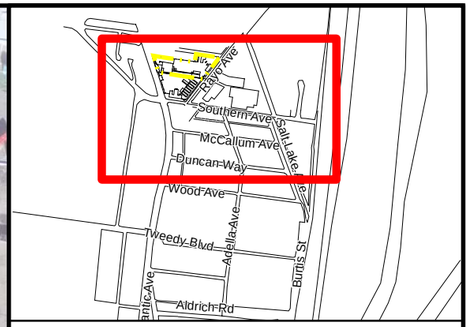
0 100 200

Scale in Feet

Figure 7
Groundwater Elevation Contours, Intermediate Gaspur, May 2009
Cooper Drum Company
South Gate, California

L:\GIS\Projects\CooperDrum\ArcMaps\Elev_contours_shallow 07.15.09 Chico





Legend

- Groundwater Elevation Contour
- Monitoring Well
- Roads
- Property Boundary

MW-46 51.93 **Location ID**
Groundwater elevation in feet above mean sea level

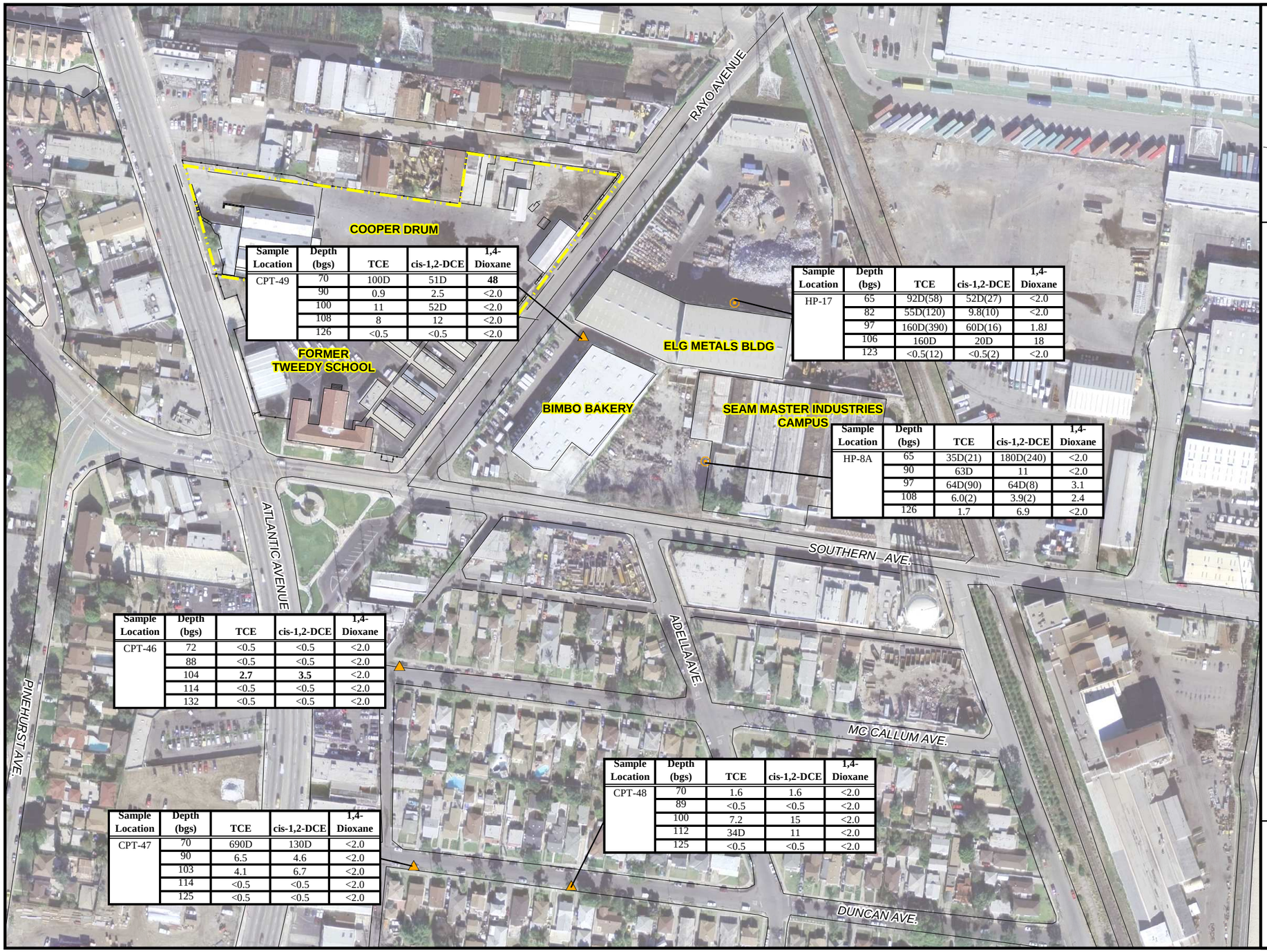
* Not used in contouring

N

0 100 200
Scale in Feet

Figure 8
Groundwater Elevation Contours, Lower Gaspur, May 2009
Cooper Drum Company
South Gate, California

L:\GIS\Projects\CooperDrum\ArcMaps\Elev_contours_deep 07.23.09 Chico



Sample Location	Depth (bgs)	TCE	cis-1,2-DCE	1,4-Dioxane
CPT-49	70	100D	51D	**48**
	90	0.9	2.5	<2.0
	100	11	52D	<2.0
	108	8	12	<2.0
	126	<0.5	<0.5	<2.0

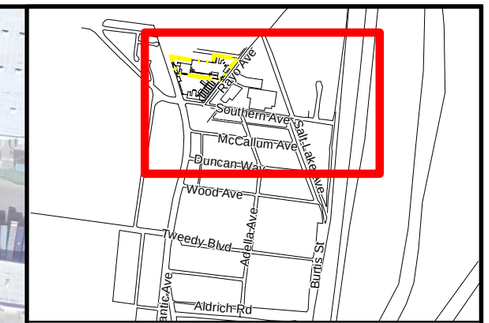
Sample Location	Depth (bgs)	TCE	cis-1,2-DCE	1,4-Dioxane
HP-17	65	92D(58)	52D(27)	<2.0
	82	55D(120)	9.8(10)	<2.0
	97	160D(390)	60D(16)	1.8J
	106	160D	20D	18
	123	<0.5(12)	<0.5(2)	<2.0

Sample Location	Depth (bgs)	TCE	cis-1,2-DCE	1,4-Dioxane
HP-8A	65	35D(21)	180D(240)	<2.0
	90	63D	11	<2.0
	97	64D(90)	64D(8)	3.1
	108	6.0(2)	3.9(2)	2.4
	126	1.7	6.9	<2.0

Sample Location	Depth (bgs)	TCE	cis-1,2-DCE	1,4-Dioxane
CPT-46	72	<0.5	<0.5	<2.0
	88	<0.5	<0.5	<2.0
	104	**2.7**	**3.5**	<2.0
	114	<0.5	<0.5	<2.0
	132	<0.5	<0.5	<2.0

Sample Location	Depth (bgs)	TCE	cis-1,2-DCE	1,4-Dioxane
CPT-47	70	690D	130D	<2.0
	90	6.5	4.6	<2.0
	103	4.1	6.7	<2.0
	114	<0.5	<0.5	<2.0
	125	<0.5	<0.5	<2.0

Sample Location	Depth (bgs)	TCE	cis-1,2-DCE	1,4-Dioxane
CPT-48	70	1.6	1.6	<2.0
	89	<0.5	<0.5	<2.0
	100	7.2	15	<2.0
	112	34D	11	<2.0
	125	<0.5	<0.5	<2.0



Legend

- Cone Penetrometer Test Boring
- Monitoring Well
- Extraction Well
- Hydropunch Boring
- Roads
- Property Boundary
- TCE — Trichloroethene
- cis-1,2-DCE — cis-1,2 Dichloroethene
- (58) — Results in parenthisis from previous sampling in 1999-2000

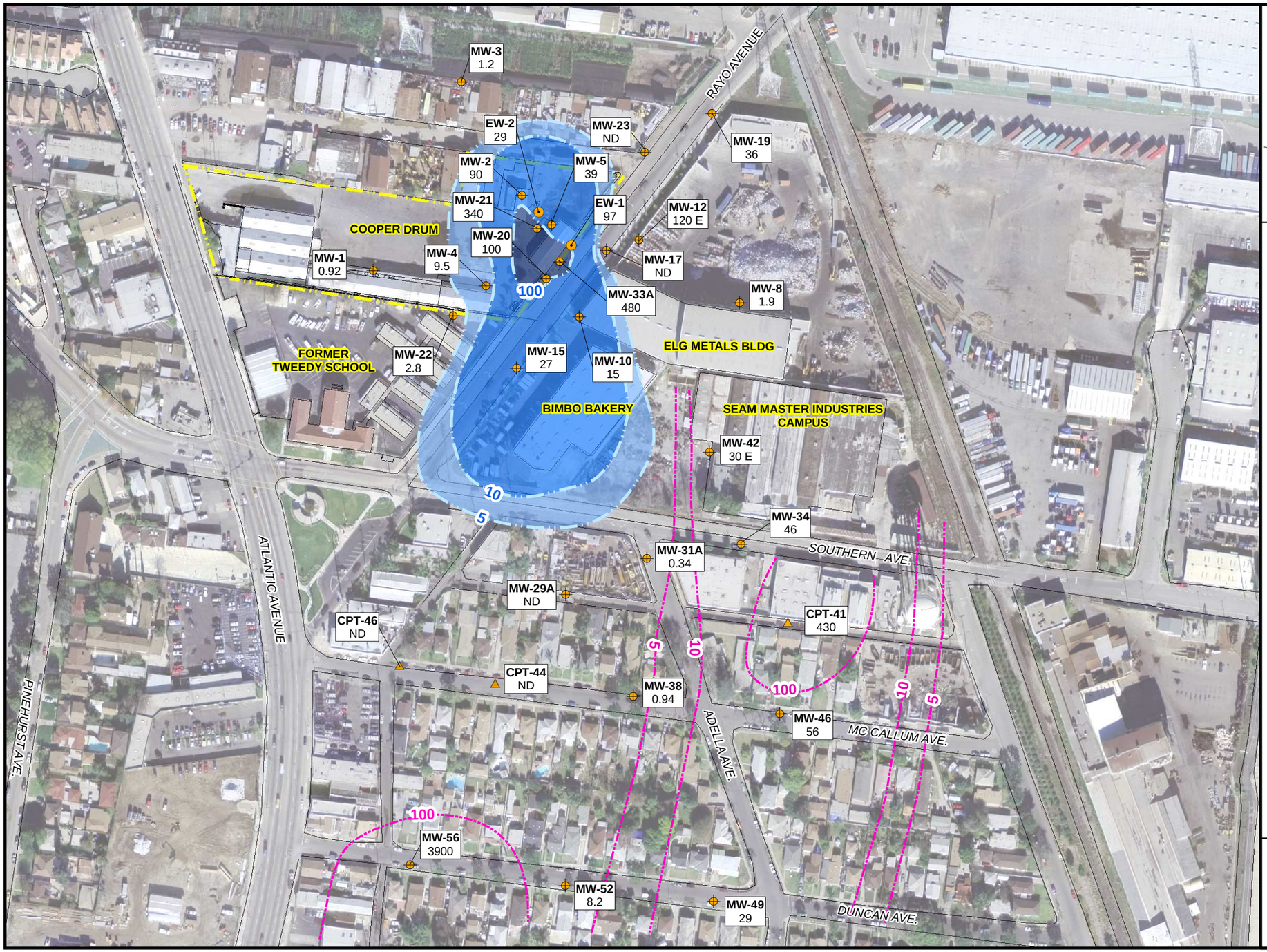
N

0 100 200

Scale in Feet

Figure 9
CPT/HydroPunch Results, December 2008
Cooper Drum Company
South Gate, California

:\GIS\Projects\CooperDrum\ArcMaps\CPT_Results 09.21.09 Chico



Legend

- Cone Penetrometer Test Boring
- Monitoring Well
- Extraction Well
- Roads
- Off-Site TCE Isopleth Contour
- Property Boundary

TCE Concentrations in Groundwater

- TCE>5 µg/L Concentration
- TCE>10 µg/L Concentration
- TCE >100 µg/L Concentration

MW-44 / 38 — Location ID / Analytical result in micrograms per liter

µg/L — Micrograms per Liter

TCE — Trichloroethene

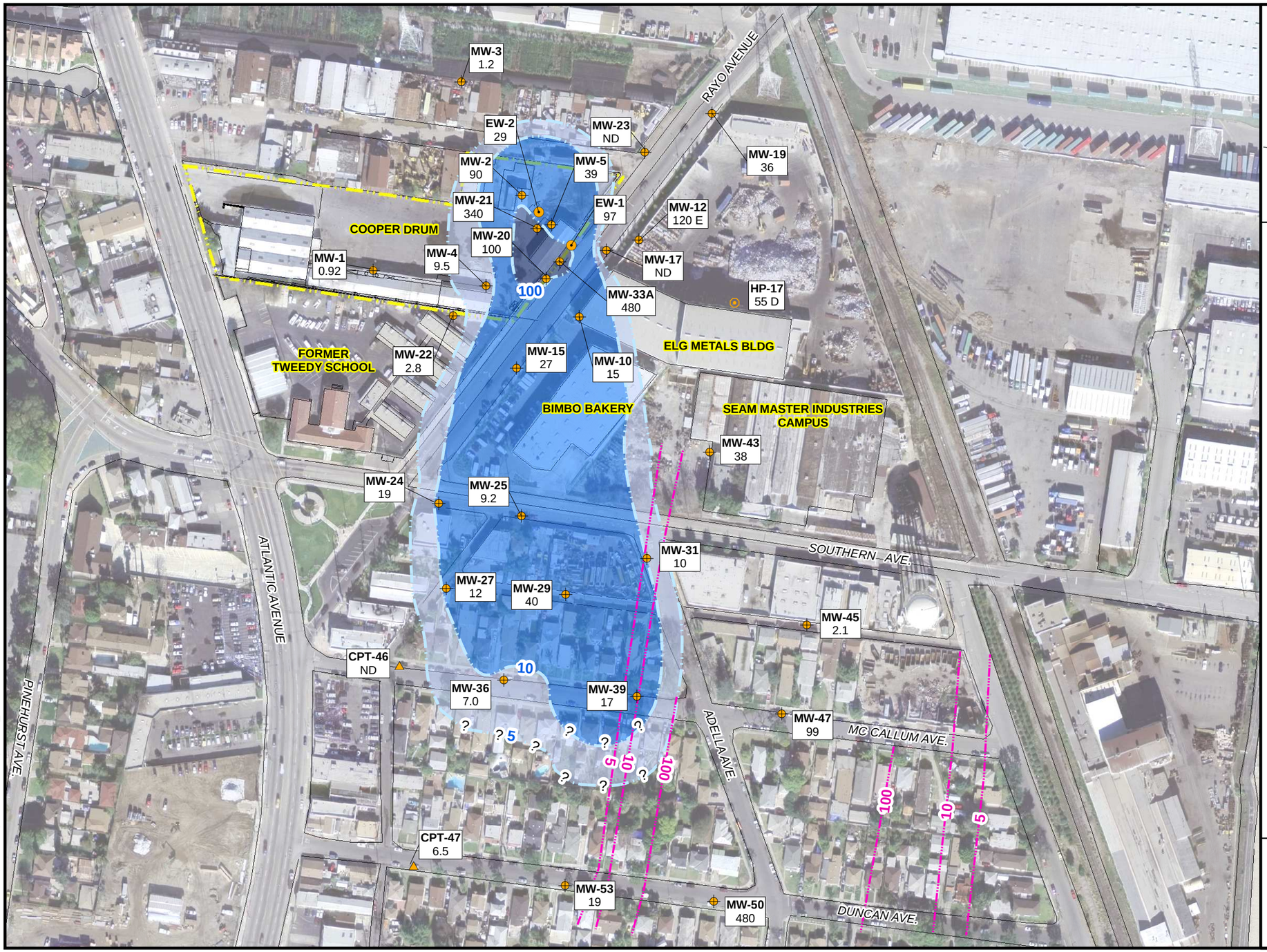
N

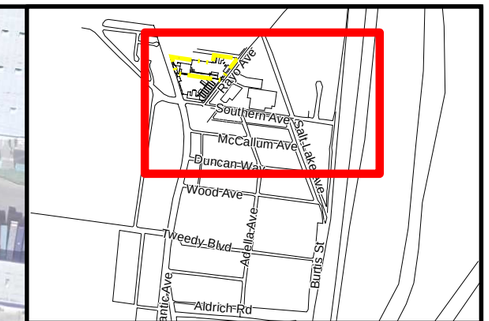
0 100 200

Scale in Feet

Figure 10
Trichloroethene Isopleth Map, Shallow Gaspur, May 2009
Cooper Drum Company
South Gate, California

L:\GIS\Projects\CooperDrum\ArcMaps\TCE_shallow 07.23.09 Chico





Legend

- Cone Penetrometer Test Boring
- Monitoring Well
- Extraction Well
- Hydropunch Boring
- Roads
- Off-Site TCE Isopleth Contour
- Property Boundary

TCE Concentrations in Groundwater

- TCE>5 µg/L Concentration
- TCE>10 µg/L Concentration
- TCE >100 µg/L Concentration

MW-44 / 38 — Location ID / Analytical result in micrograms per liter

µg/L — Micrograms per Liter

TCE — Trichloroethene

N

0 100 200

Scale in Feet

Figure 11
Trichloroethene Isopleth Map, Intermediate Gaspur, May 2009
Cooper Drum Company
South Gate, California

L:\GIS\Projects\CooperDrum\ArcMaps\TCE_inter 07.23.09 Chico