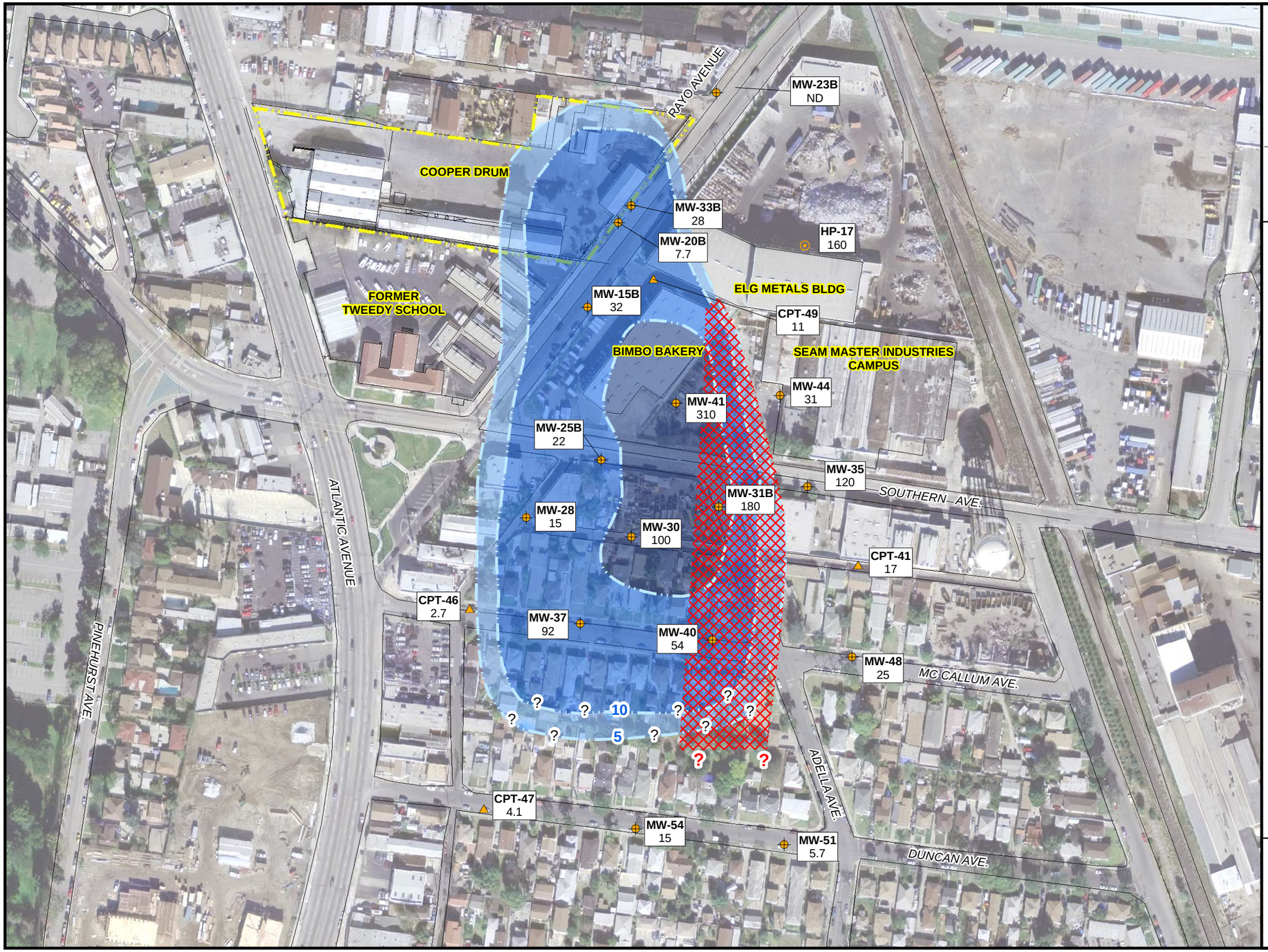
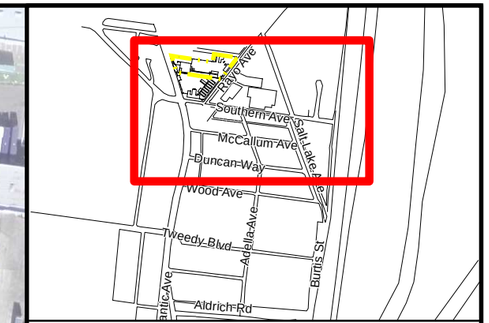




Legend

- Cone Penetrometer Test Boring
- Monitoring Well
- Hydropunch Boring
- Roads
- Property Boundary
- Comingling Plume Area

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

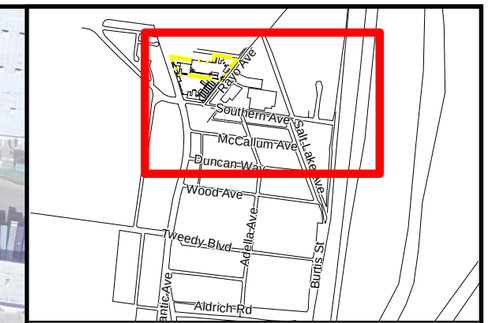
N

0 100 200

Scale in Feet

Figure 12
Trichloroethene Isopleth Map, Lower Gaspur, May 2009
Cooper Drum Company
South Gate, California

L:\GIS\Projects\CooperDrum\ArcMapsTCE_deep 07.23.09 Chico



Legend

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

cis-DCE Concentrations in Groundwater

- cis-DCE>5 µg/L Concentration
- cis-DCE>10 µg/L Concentration
- cis-DCE >100 µg/L Concentration

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

µg/L — Micrograms per Liter

cis-DCE — cis 1,2 Dichloroethene

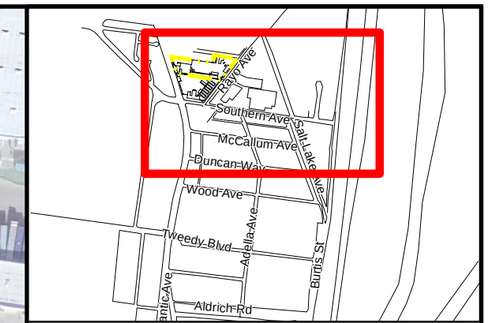
N

0 100 200

Scale in Feet

Figure 13
cis-1,2-Dichloroethene Isopleth Map, Shallow Gaspur, May 2009
Cooper Drum Company
South Gate, California

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



Legend

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

cis-DCE Concentrations in Groundwater

- cis-DCE>5 µg/L Concentration
- cis-DCE>10 µg/L Concentration
- cis-DCE >100 µg/L Concentration

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

µg/L — Micrograms per Liter

cis-DCE — cis 1,2 Dichloroethene

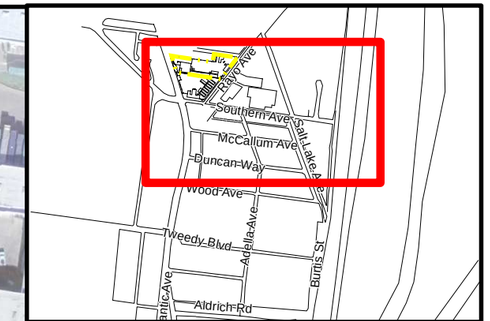
N

0 100 200

Scale in Feet

Figure 14
cis-1,2-Dichloroethene Isopleth Map, Intermediate Gaspur, May 2009
Cooper Drum Company
South Gate, California

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



Legend

- Cone Penetrometer Test Boring
- Monitoring Well
- Hydropunch Boring
- Roads
- Property Boundary
- Comingling Plume Area

cis-DCE Concentrations in Groundwater

- cis-DCE>5 µg/L Concentration
- cis-DCE>10 µg/L Concentration
- cis-DCE >100 µg/L Concentration

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

µg/L — Micrograms per Liter

cis-DCE — cis 1,2 Dichloroethene

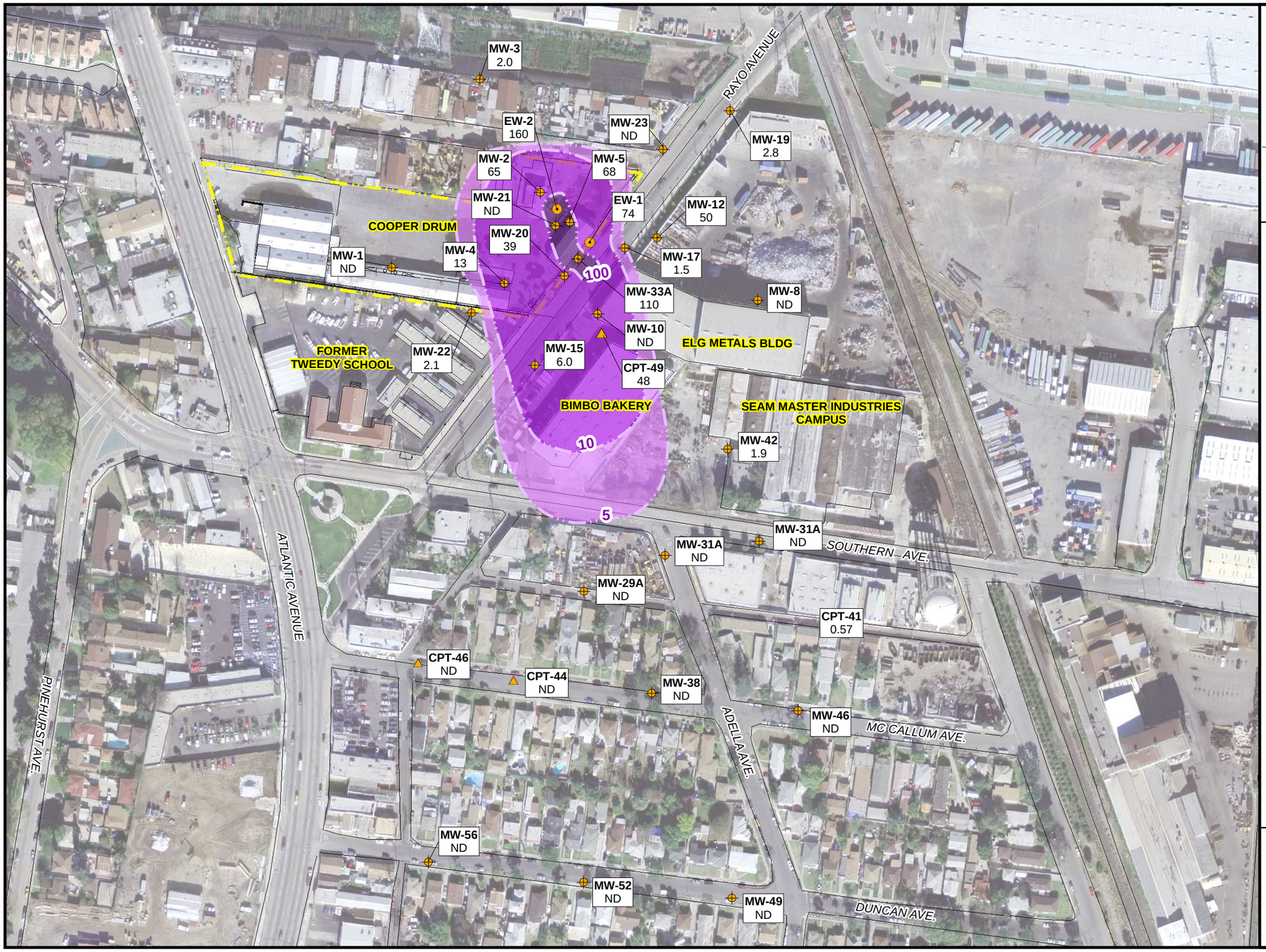
N

0 100 200

Scale in Feet

Figure 15
cis-1,2-Dichloroethene Isopleth Map, Lower Gaspur, May 2009
Cooper Drum Company
South Gate, California

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



Legend

- Cone Penetrometer Test Boring
- Monitoring Well
- Extraction Well
- Hydropunch Boring
- Roads
- Property Boundary

1,4 Dioxane Concentrations in Groundwater

- 1,4 Dioxane>5 µg/L Concentration
- 1,4 Dioxane>10 µg/L Concentration
- 1,4 Dioxane >100 µg/L Concentration

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

µg/L Micrograms per Liter

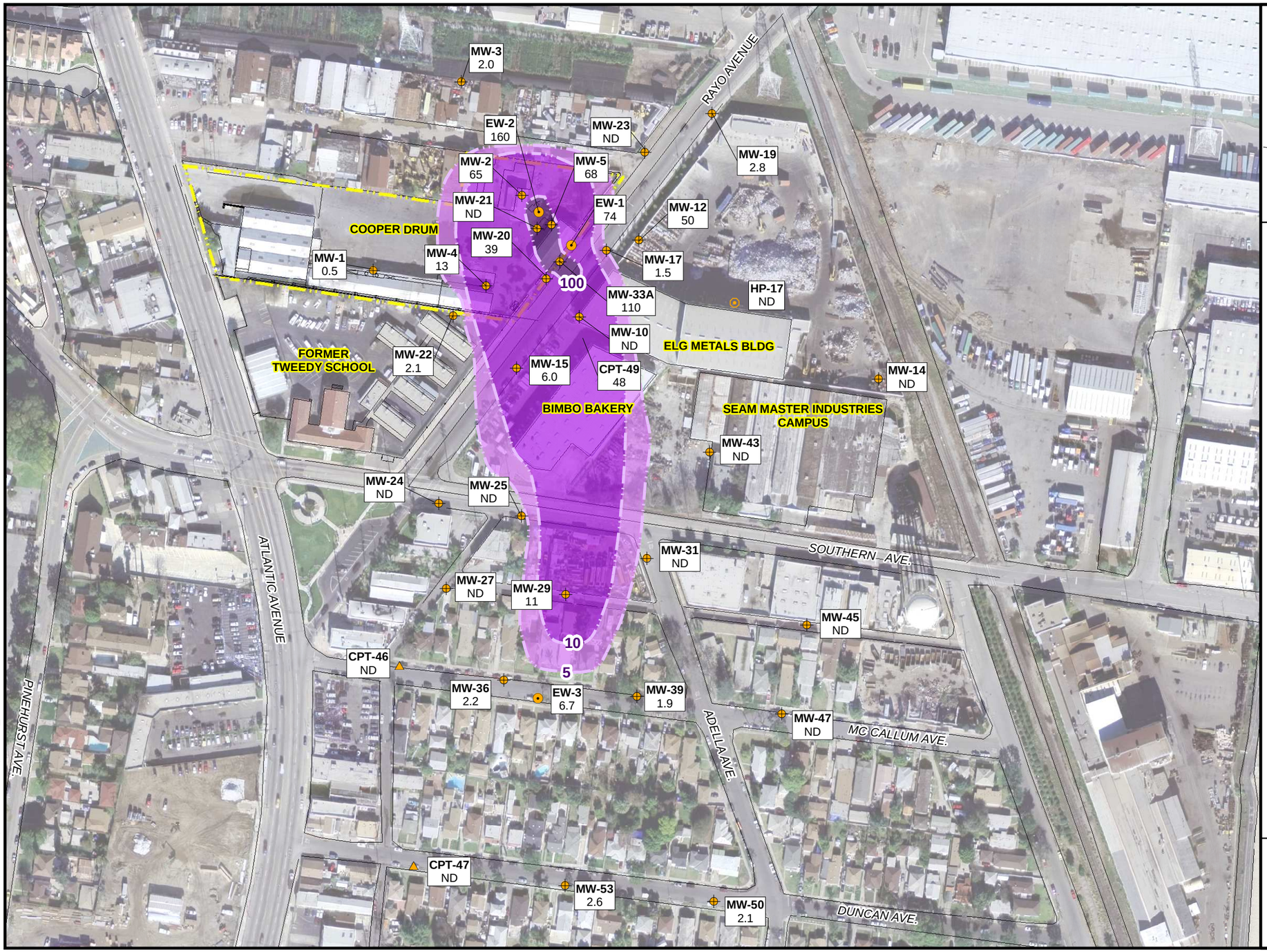
N

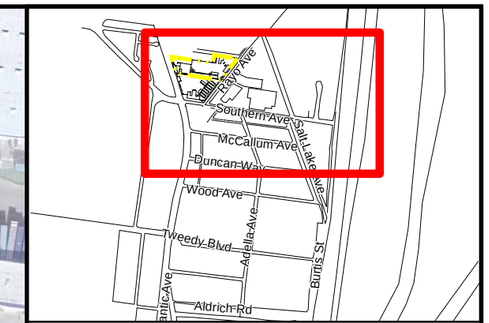
0 100 200

Scale in Feet

Figure 16
1,4-Dioxane Isopleth Map, Shallow Gaspur, May 2009
Cooper Drum Company
South Gate, California

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





Legend

- Cone Penetrometer Test Boring
- Monitoring Well
- Extraction Well
- Hydropunch Boring
- Roads
- Property Boundary

1,4 Dioxane Concentrations in Groundwater

- 1,4 Dioxane>5 µg/L Concentration
- 1,4 Dioxane>10 µg/L Concentration
- 1,4 Dioxane >100 µg/L Concentration

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

µg/L — Micrograms per Liter

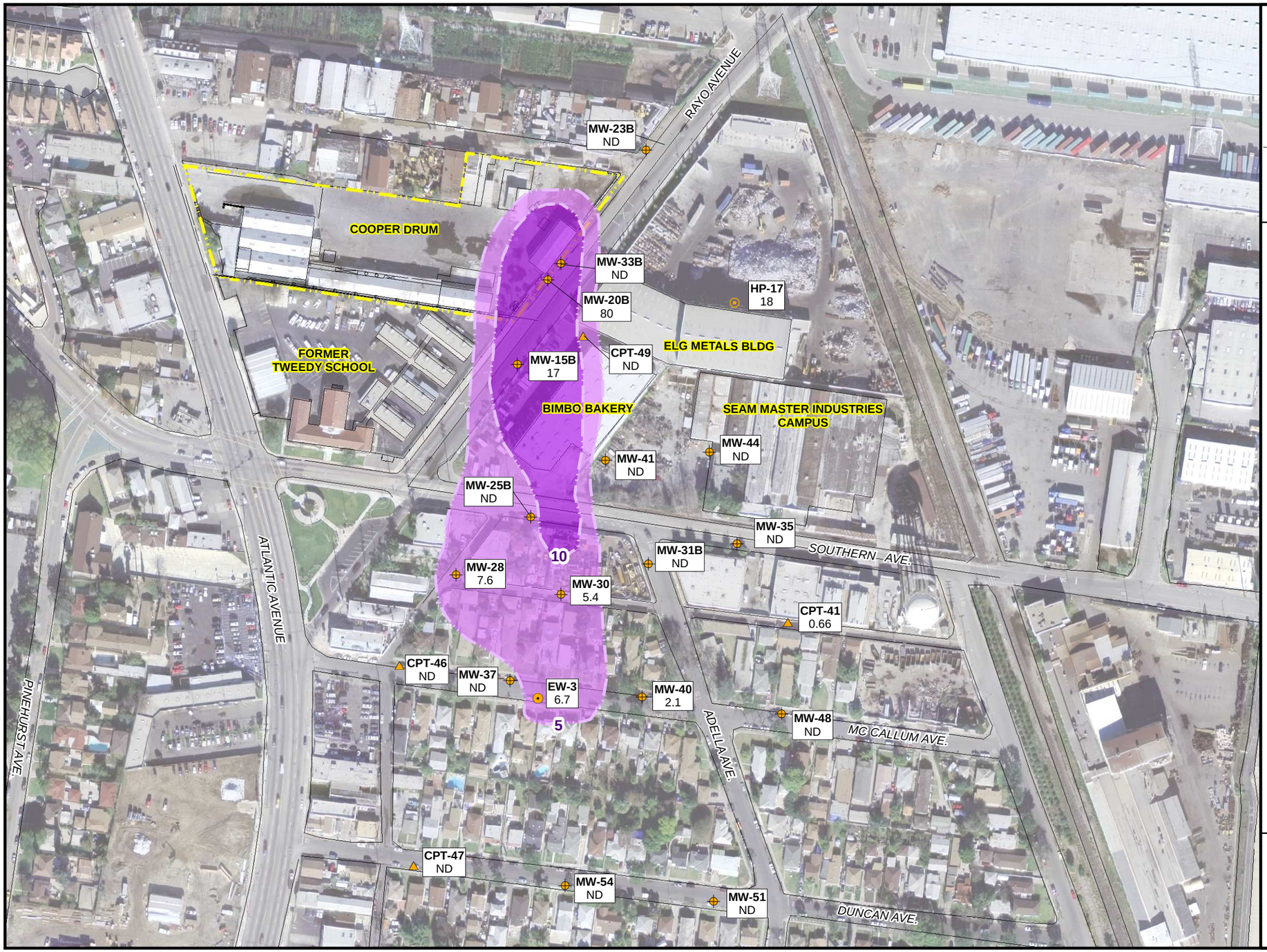
N

0 100 200

Scale in Feet

Figure 17
1,4-Dioxane Isopleth Map, Intermediate Gaspur, May 2009
Cooper Drum Company
South Gate, California

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



Legend

- Cone Penetrometer Test Boring
- Monitoring Well
- Extraction Well
- Hydropunch Boring
- Roads
- Property Boundary

1,4 Dioxane Concentrations in Groundwater

- 1,4 Dioxane>5 µg/L Concentration
- 1,4 Dioxane>10 µg/L Concentration

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

µg/L — Micrograms per Liter

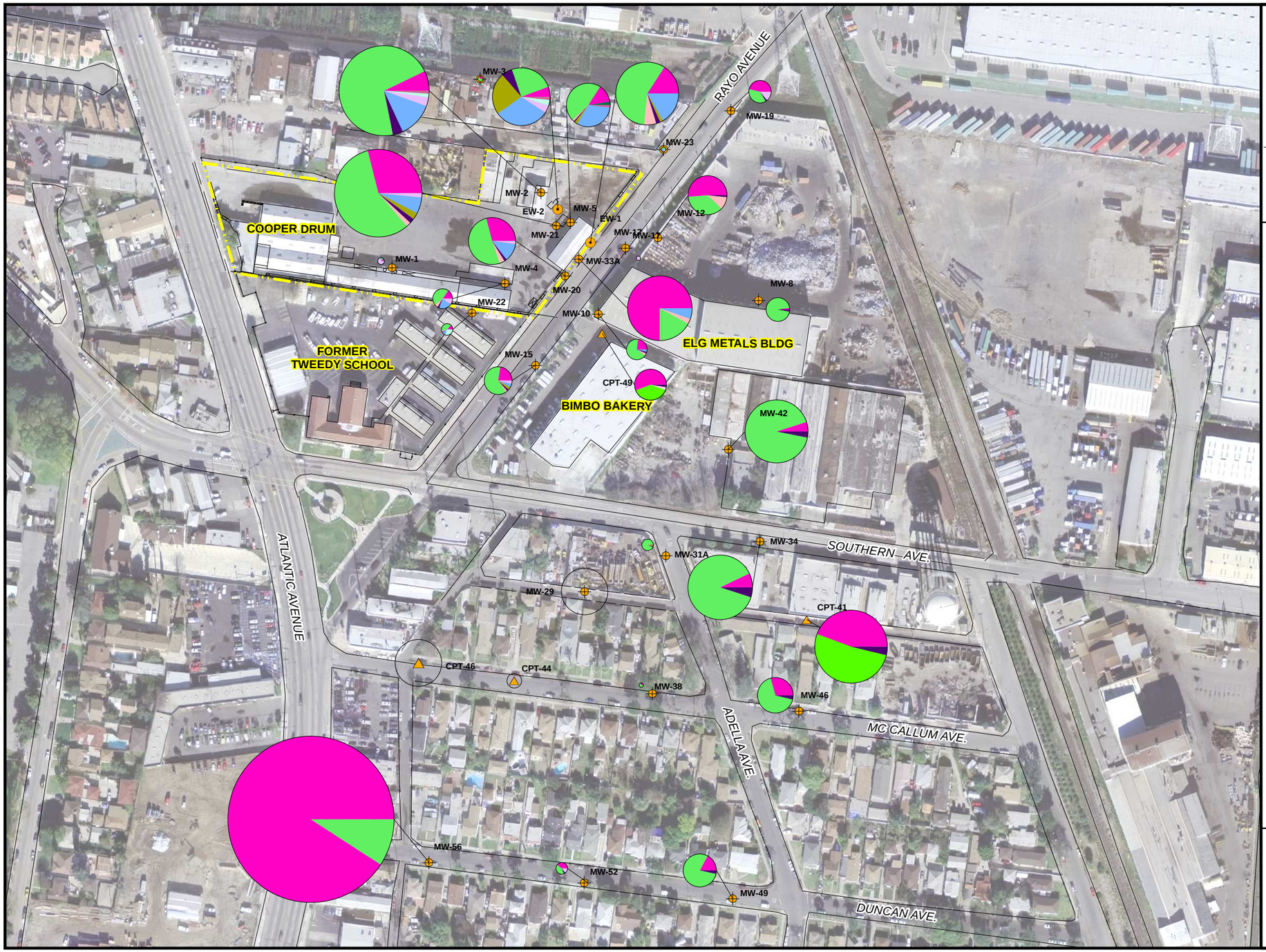
N

0 100 200

Scale in Feet

Figure 18
1,4-Dioxane Results,
Lower Gaspur, May 2009
Cooper Drum Company
South Gate, California

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



Legend

- Cone Penetrometer Test Boring
- Monitoring Well
- Extraction Well
- Hydropunch Boring
- Roads
- Property Boundary
- Tetrachloroethene
- Trichloroethene
- cis 1,2 Dichloroethene
- 1,1 Dichloroethene
- trans 1,2 Dichloroethene
- Vinyl Chloride
- 1,1 Dichloroethane
- 1,2 Dichloroethane
- Benzene
- 1,2 Dichloropropane

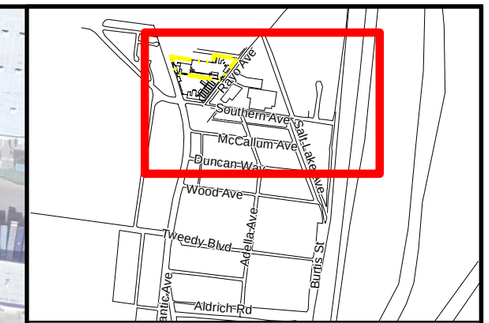
N

0 100 200

Scale in Feet

Figure 19
Mole Fractions of VOCs,
Shallow Gaspur Aquifer, May 2009
Cooper Drum Company
South Gate, California

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



Legend

- Cone Penetrometer Test Boring
- Monitoring Well
- Extraction Well
- Roads
- Property Boundary
- Tetrachloroethene
- Trichloroethene
- cis 1,2 Dichloroethene
- 1,1 Dichloroethene
- trans 1,2 Dichloroethene
- Vinyl Chloride
- 1,1 Dichloroethane
- 1,2 Dichloroethane
- Benzene
- 1,2 Dichloropropane

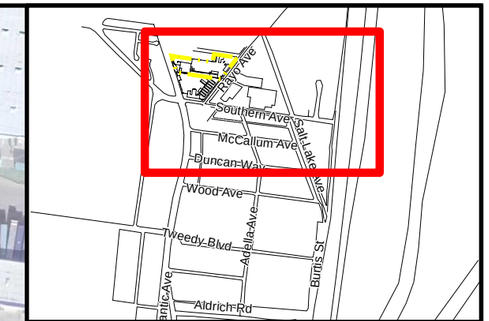
N

0 100 200

Scale in Feet

Figure 20
Mole Fractions of VOCs, Intermediate Gaspur Aquifer, May 2009
Cooper Drum Company
South Gate, California

L:\GIS\Projects\CooperDrum\ArcMaps\MOLAR_INTER 07.27.09 Chico



Legend

- Cone Penetrometer Test Boring
- Monitoring Well
- Hydropunch Boring
- Roads
- Property Boundary
- Tetrachloroethene
- Trichloroethene
- cis 1,2 Dichloroethene
- 1,1 Dichloroethene
- trans 1,2 Dichloroethene
- Vinyl Chloride
- 1,1 Dichloroethane
- 1,2 Dichloroethane
- Benzene
- 1,2 Dichloropropane

N

0 100 200

Scale in Feet

Figure 21
Mole Fractions of VOCs,
Lower Gaspur Aquifer, May 2009
Cooper Drum Company
South Gate, California

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

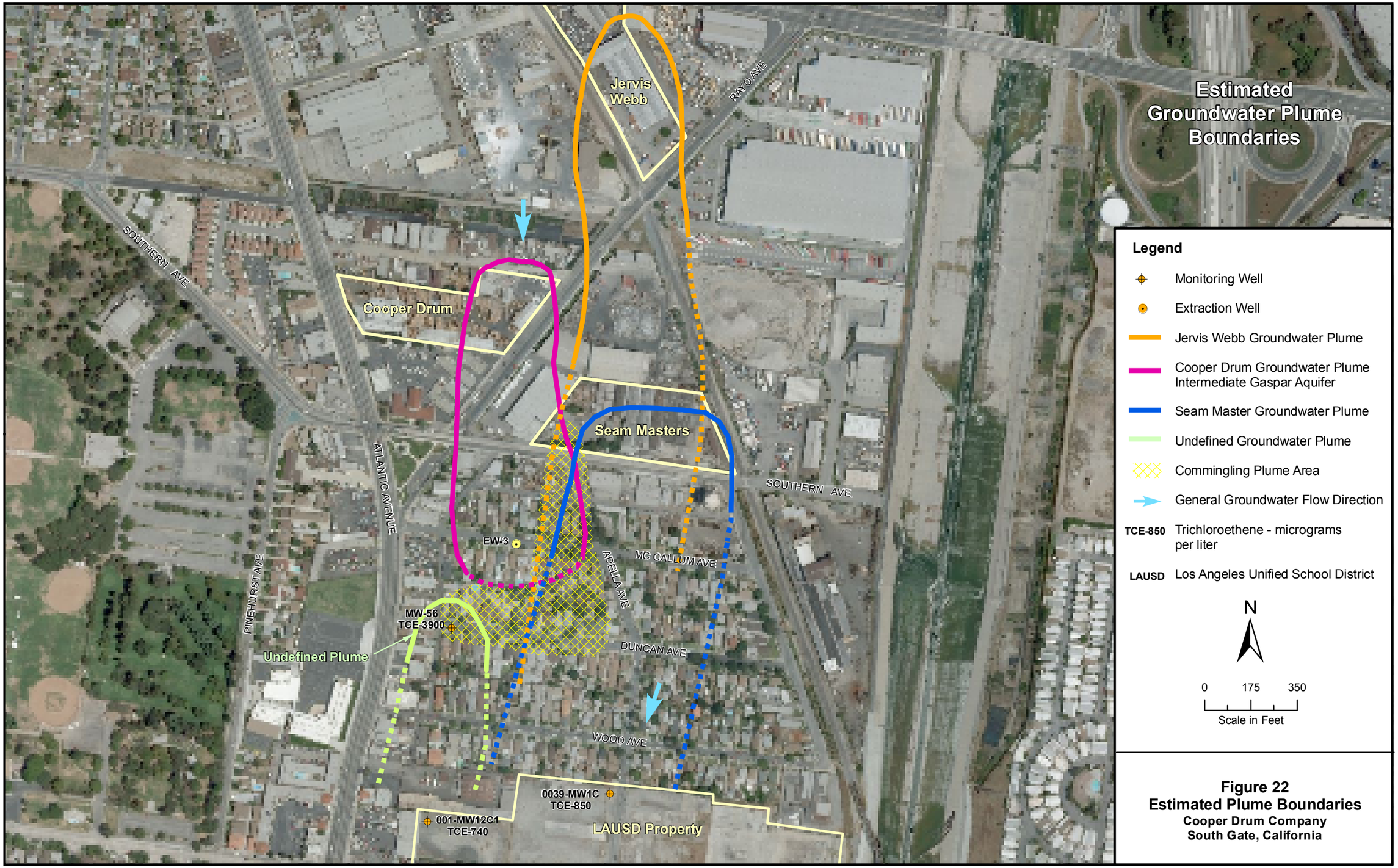


Figure 22
Estimated Plume Boundaries
Cooper Drum Company
South Gate, California

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