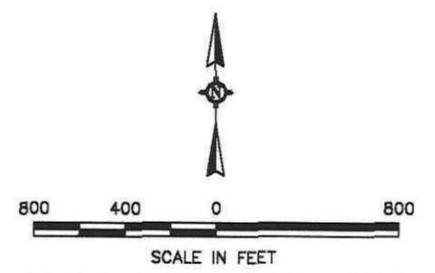




Legend

- ▲ JPL Deep Multi-Port Monitoring Well
 - JPL Shallow Monitoring Well
 - City of Pasadena Monitoring Well
 - ⊕ Municipal Production Well
 LCID = La Canada Irrigation District
 VWC = Valley Water Co.
 LAWLC = Lincoln Avenue Water Co.
 RCL&W = Rubio Canon Land & Water Co.
 LFWC = Las Flores Water Co.
 All others are City of Pasadena
- 1: Screen Number for Wells in this Aquifer Layer
 -- Not Detected
 NS Not Sampled (dry)
- JPL Thrust Fault
 - JPL Property Line
 - 0.5 Concentration Contour (µg/L)
 - MCL Maximum Contaminant Level (5.0 µg/L)

Notes: 1. Where constituents were detected in multiple screens, the higher concentration has been contoured.
 2. Values for production wells based on most recent data available.

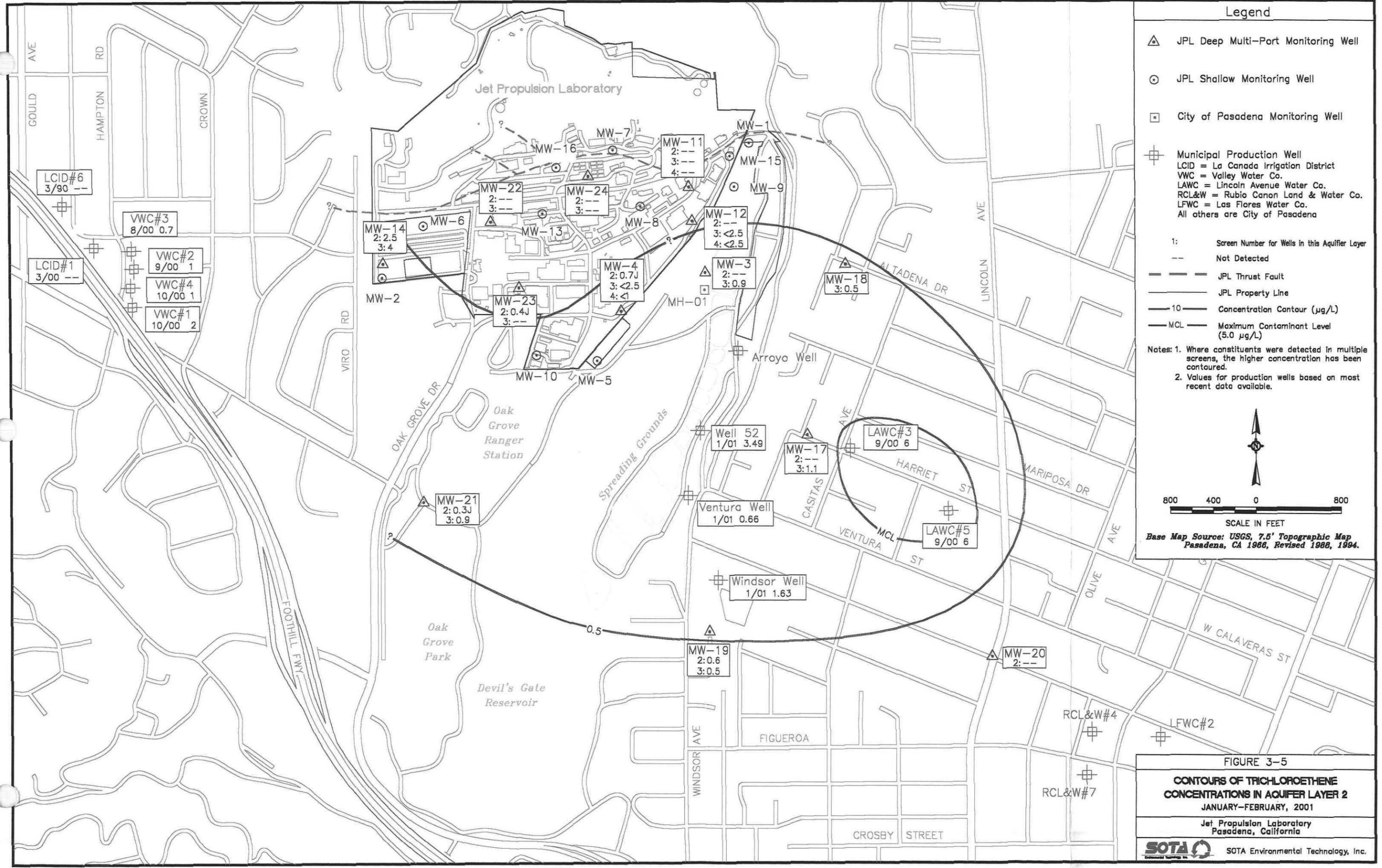


Base Map Source: USGS, 7.5' Topographic Map Pasadena, CA 1986, Revised 1988, 1994.

FIGURE 3-4

CONTOURS OF TRICHLOROETHENE CONCENTRATIONS IN AQUIFER LAYER 1
 JANUARY-FEBRUARY, 2001

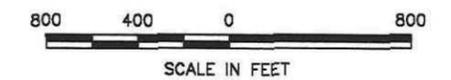
Jet Propulsion Laboratory
 Pasadena, California



Legend

- ▲ JPL Deep Multi-Port Monitoring Well
 - JPL Shallow Monitoring Well
 - City of Pasadena Monitoring Well
 - ⊕ Municipal Production Well
 - LCID = La Canada Irrigation District
 - VWC = Valley Water Co.
 - LAWC = Lincoln Avenue Water Co.
 - RCL&W = Rubio Canon Land & Water Co.
 - LFWC = Las Flores Water Co.
 - All others are City of Pasadena
-
- 1: Screen Number for Wells in this Aquifer Layer
 - Not Detected
 - JPL Thrust Fault
 - JPL Property Line
 - 10 — Concentration Contour (µg/L)
 - MCL — Maximum Contaminant Level (5.0 µg/L)

Notes: 1. Where constituents were detected in multiple screens, the higher concentration has been contoured.
 2. Values for production wells based on most recent data available.

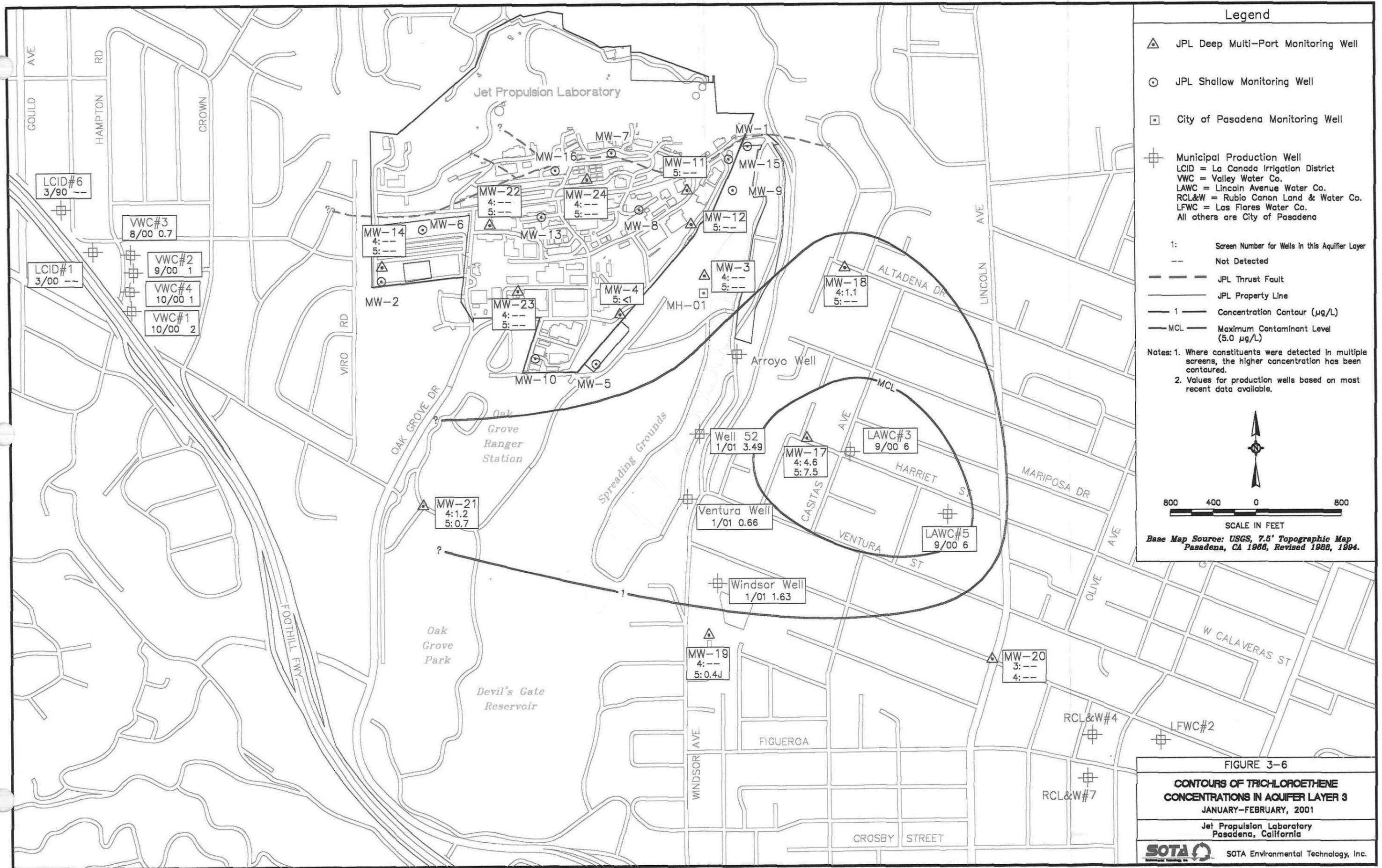


Base Map Source: USGS, 7.5' Topographic Map Pasadena, CA 1966, Revised 1986, 1994.

FIGURE 3-5

CONTOURS OF TRICHLOROETHENE CONCENTRATIONS IN AQUIFER LAYER 2
 JANUARY-FEBRUARY, 2001

Jet Propulsion Laboratory
 Pasadena, California

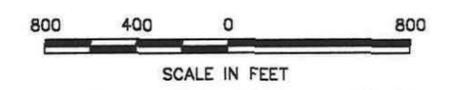


Legend

- ▲ JPL Deep Multi-Port Monitoring Well
- JPL Shallow Monitoring Well
- City of Pasadena Monitoring Well
- ⊕ Municipal Production Well
 LCID = La Canada Irrigation District
 VWC = Valley Water Co.
 LAWC = Lincoln Avenue Water Co.
 RCL&W = Rubio Canon Land & Water Co.
 LFWC = Las Flores Water Co.
 All others are City of Pasadena

- 1: Screen Number for Wells in this Aquifer Layer
- Not Detected
- JPL Thrust Fault
- JPL Property Line
- 1 — Concentration Contour (µg/L)
- MCL — Maximum Contaminant Level (5.0 µg/L)

Notes: 1. Where constituents were detected in multiple screens, the higher concentration has been contoured.
 2. Values for production wells based on most recent data available.

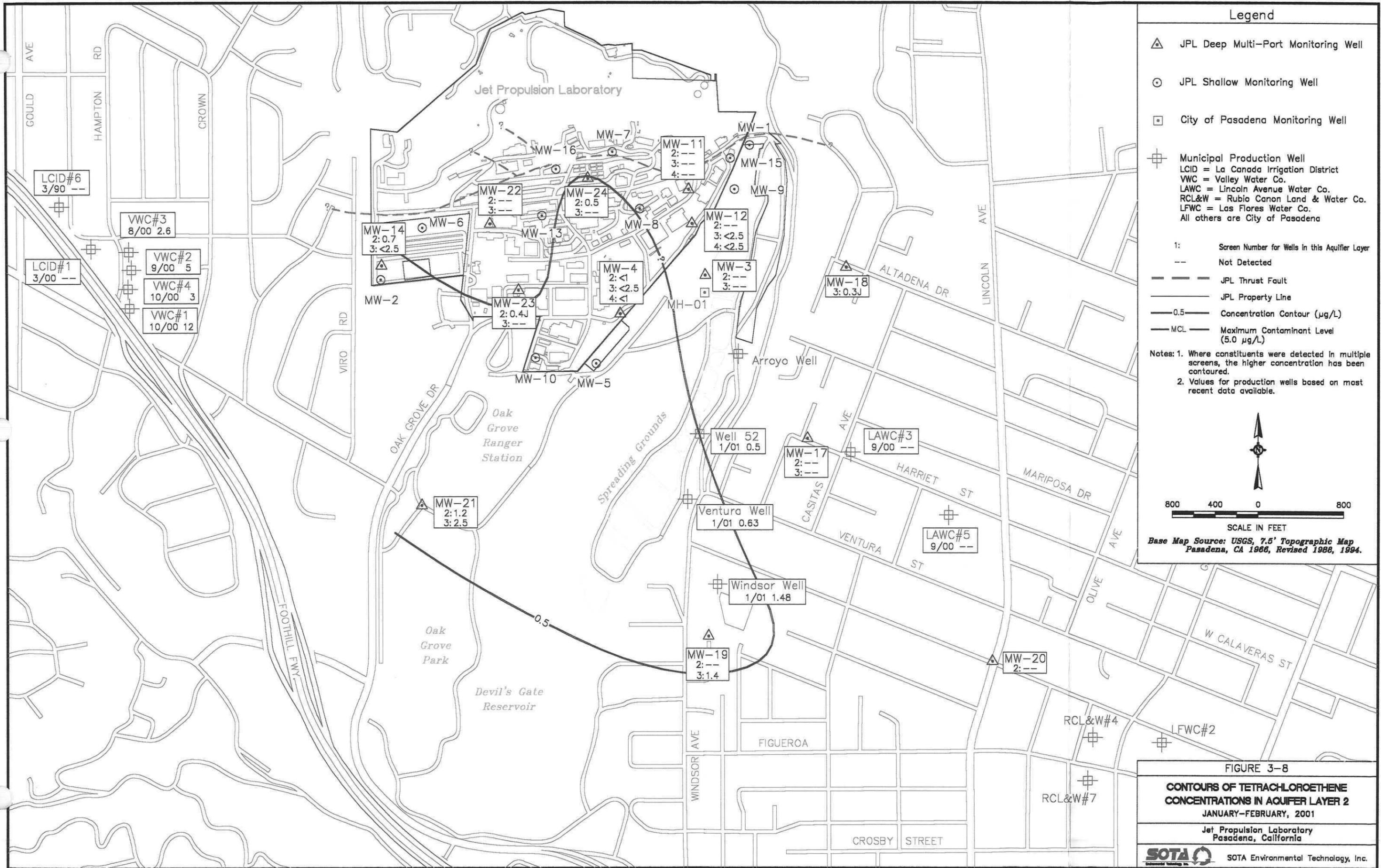


Base Map Source: USGS, 7.5' Topographic Map Pasadena, CA 1986, Revised 1986, 1994.

FIGURE 3-6

CONTOURS OF TRICHLOROETHENE CONCENTRATIONS IN AQUIFER LAYER 3
 JANUARY-FEBRUARY, 2001

Jet Propulsion Laboratory
 Pasadena, California

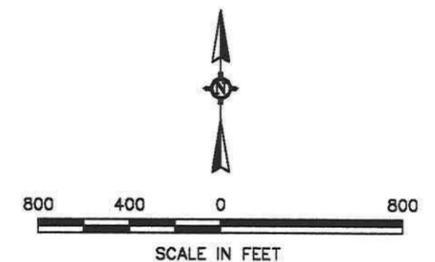


Legend

- ▲ JPL Deep Multi-Port Monitoring Well
- JPL Shallow Monitoring Well
- City of Pasadena Monitoring Well
- ⊕ Municipal Production Well
 LCID = La Canada Irrigation District
 VWC = Valley Water Co.
 LAW = Lincoln Avenue Water Co.
 RCL&W = Rubio Canon Land & Water Co.
 LFWC = Las Flores Water Co.
 All others are City of Pasadena

- 1: Screen Number for Wells in this Aquifer Layer
- Not Detected
- JPL Thrust Fault
- JPL Property Line
- 0.5— Concentration Contour (µg/L)
- MCL— Maximum Contaminant Level (5.0 µg/L)

Notes: 1. Where constituents were detected in multiple screens, the higher concentration has been contoured.
 2. Values for production wells based on most recent data available.

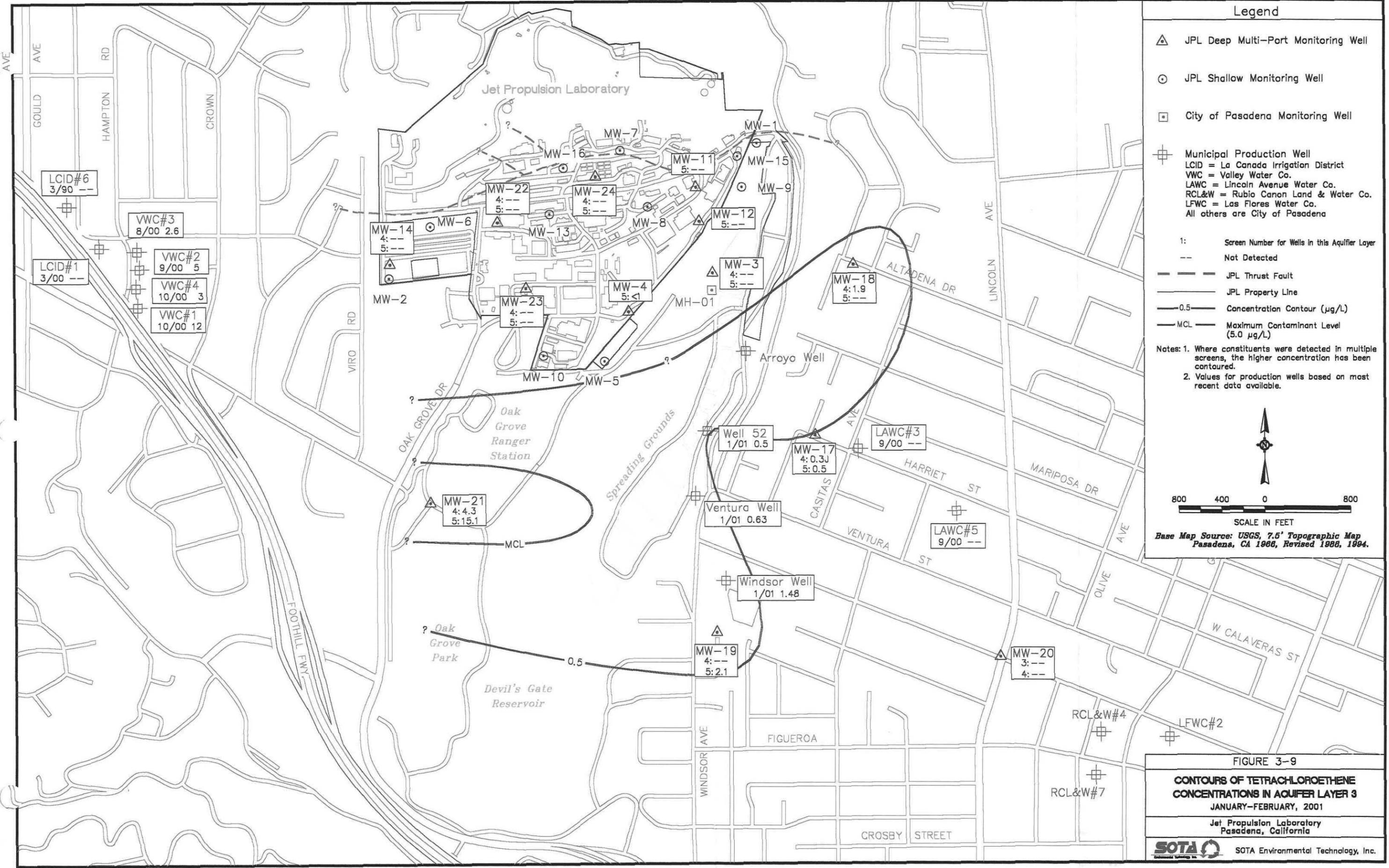


Base Map Source: USGS, 7.5' Topographic Map Pasadena, CA 1966, Revised 1988, 1994.

FIGURE 3-8

CONTOURS OF TETRACHLOROETHENE CONCENTRATIONS IN AQUIFER LAYER 2
 JANUARY-FEBRUARY, 2001

Jet Propulsion Laboratory
 Pasadena, California

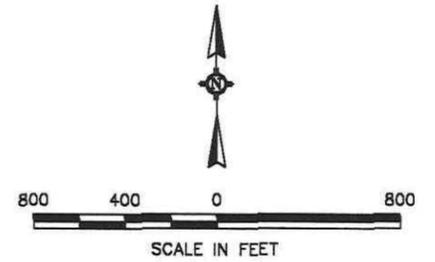


Legend

- ▲ JPL Deep Multi-Port Monitoring Well
- JPL Shallow Monitoring Well
- City of Pasadena Monitoring Well
- ⊕ Municipal Production Well
 LCID = La Canada Irrigation District
 VWC = Valley Water Co.
 LAW = Lincoln Avenue Water Co.
 RCL&W = Rubio Canon Land & Water Co.
 LFWC = Las Flores Water Co.
 All others are City of Pasadena

- 1: Screen Number for Wells in this Aquifer Layer
- Not Detected
- JPL Thrust Fault
- JPL Property Line
- 0.5— Concentration Contour (µg/L)
- MCL— Maximum Contaminant Level (5.0 µg/L)

Notes: 1. Where constituents were detected in multiple screens, the higher concentration has been contoured.
 2. Values for production wells based on most recent data available.



Base Map Source: USGS, 7.5' Topographic Map Pasadena, CA 1966, Revised 1988, 1994.

FIGURE 3-9

CONTOURS OF TETRACHLOROETHENE CONCENTRATIONS IN AQUIFER LAYER 3
 JANUARY-FEBRUARY, 2001

Jet Propulsion Laboratory
 Pasadena, California

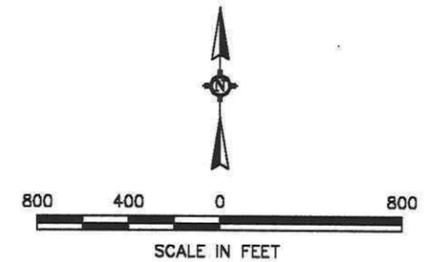


Legend

- ▲ JPL Deep Multi-Port Monitoring Well
 - JPL Shallow Monitoring Well
 - City of Pasadena Monitoring Well
 - ⊕ Municipal Production Well
- LCID = La Canada Irrigation District
 VWC = Valley Water Co.
 LAWC = Lincoln Avenue Water Co.
 RCL&W = Rubio Canon Land & Water Co.
 LFWC = Las Flores Water Co.
 All others are City of Pasadena

- 1: Screen Number for Wells in this Aquifer Layer
- Not Detected
- NS Not Sampled (dry)
- JPL Thrust Fault
- JPL Property Line
- 4.0 Concentration Contour (µg/L)
- IAL Interim Action Level (18 µg/L)

Notes: 1. Where constituents were detected in multiple screens, the higher concentration has been contoured.
 2. Values for production wells based on most recent data available.



Base Map Source: USGS, 7.5' Topographic Map Pasadena, CA 1966, Revised 1988, 1994.

FIGURE 3-10

CONTOURS OF PERCHLORATE CONCENTRATIONS IN AQUIFER LAYER 1
 JANUARY-FEBRUARY, 2001

Jet Propulsion Laboratory
 Pasadena, California



Legend

- ▲ JPL Deep Multi-Part Monitoring Well
- JPL Shallow Monitoring Well
- City of Pasadena Monitoring Well
- ⊕ Municipal Production Well
 LCID = La Canada Irrigation District
 VWC = Valley Water Co.
 LAW = Lincoln Avenue Water Co.
 RCL&W = Rubio Canon Land & Water Co.
 LFWC = Las Flores Water Co.
 All others are City of Pasadena

1: Screen Number for Wells in this Aquifer Layer
 -- Not Detected

- JPL Thrust Fault
- JPL Property Line
- 4.0 Concentration Contour (µg/L)
- IAL Interim Action Level (18 µg/L)

Notes: 1. Where constituents were detected in multiple screens, the higher concentration has been contoured.
 2. Values for production wells based on most recent data available.

800 400 0 800
SCALE IN FEET

Base Map Source: USGS, 7.5' Topographic Map Pasadena, CA 1988, Revised 1988, 1994.

FIGURE 3-11

**CONTOURS OF PERCHLORATE
 CONCENTRATIONS IN AQUIFER LAYER 2
 JANUARY-FEBRUARY, 2001**

Jet Propulsion Laboratory
 Pasadena, California

SOTA Environmental Technology, Inc.