

Legend

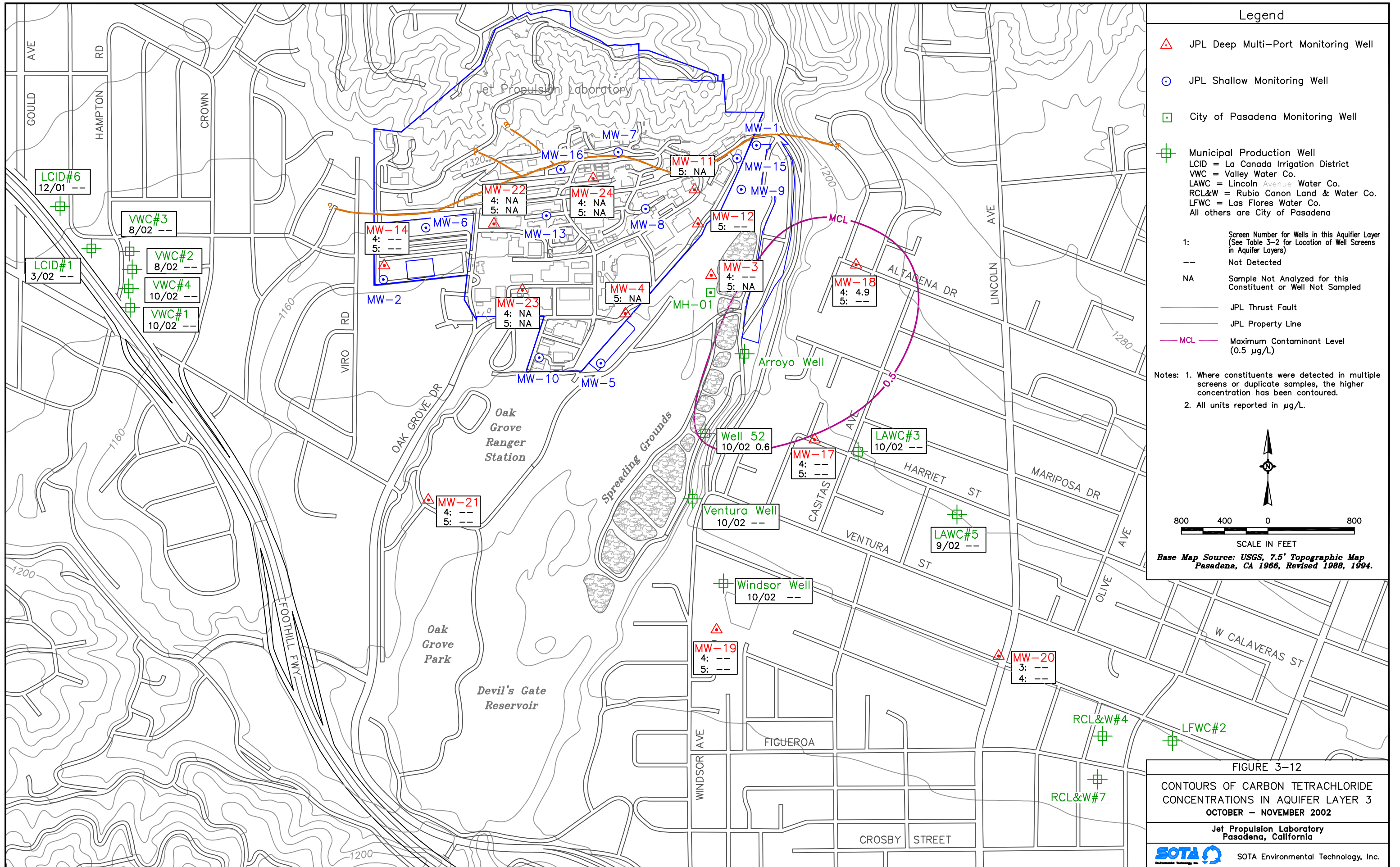
- ▲ JPL Deep Multi-Port Monitoring Well
  - JPL Shallow Monitoring Well
  - City of Pasadena Monitoring Well
  - ⊕ Municipal Production Well  
 LCID = La Canada Irrigation District  
 VWC = Valley Water Co.  
 LAWG = Lincoln Avenue Water Co.  
 RCL&W = Rubio Canon Land & Water Co.  
 LFWC = Las Flores Water Co.  
 All others are City of Pasadena
- 1: Screen Number for Wells in this Aquifer Layer (See Table 3-2 for Location of Well Screens in Aquifer Layers)  
 -- Not Detected  
 NA Sample Not Analyzed for this Constituent or Well Not Sampled
- JPL Thrust Fault
  - JPL Property Line
  - 5 Concentration Contour (µg/L)
  - MCL Maximum Contaminant Level (0.5 µg/L)

Notes: 1. Where constituents were detected in multiple screens or duplicate samples, the higher concentration has been contoured.  
 2. All units reported in µg/L.

800 400 0 800  
 SCALE IN FEET  
 Base Map Source: USGS, 7.5' Topographic Map Pasadena, CA 1966, Revised 1988, 1994.

FIGURE 3-11  
 CONTOURS OF CARBON TETRACHLORIDE CONCENTRATIONS IN AQUIFER LAYER 3 JULY 2002  
 Jet Propulsion Laboratory Pasadena, California  
 SOTA Environmental Technology, Inc.





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 (See Table 3-2 for Location of Well Screens in Aquifer Layers)
- Not Detected
- NA Sample Not Analyzed for this Constituent or Well Not Sampled
- JPL Thrust Fault
  - JPL Property Line
  - MCL Maximum Contaminant Level (0.5 µg/L)

Notes: 1. Where constituents were detected in multiple screens or duplicate samples, the higher concentration has been contoured.  
 2. All units reported in µg/L.



  
 800 400 0 800  
 SCALE IN FEET  
 Base Map Source: USGS, 7.5' Topographic Map Pasadena, CA 1966, Revised 1988, 1994.

FIGURE 3-12  
 CONTOURS OF CARBON TETRACHLORIDE CONCENTRATIONS IN AQUIFER LAYER 3  
 OCTOBER - NOVEMBER 2002  
 Jet Propulsion Laboratory  
 Pasadena, California  
 SOTA Environmental Technology, Inc.



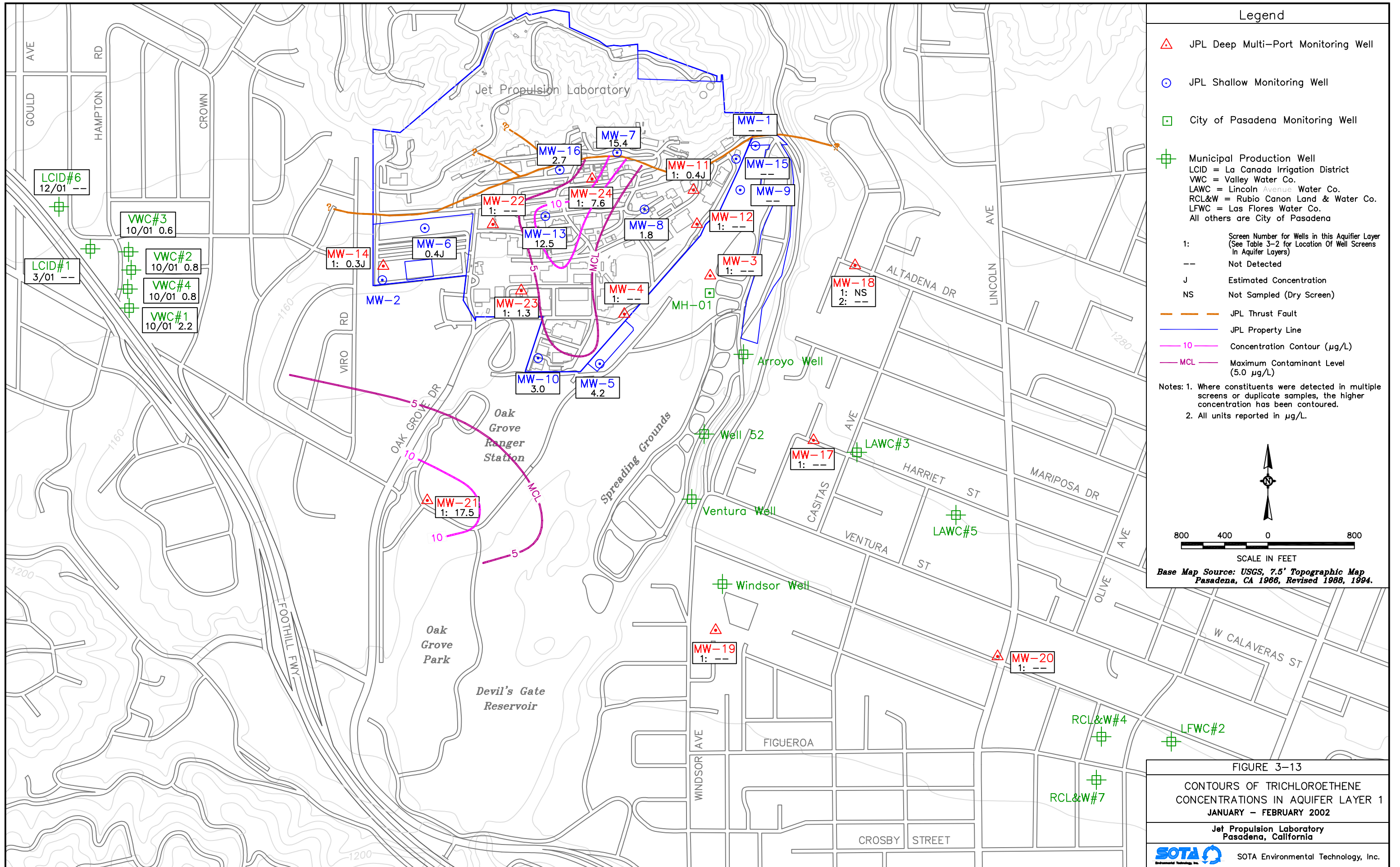
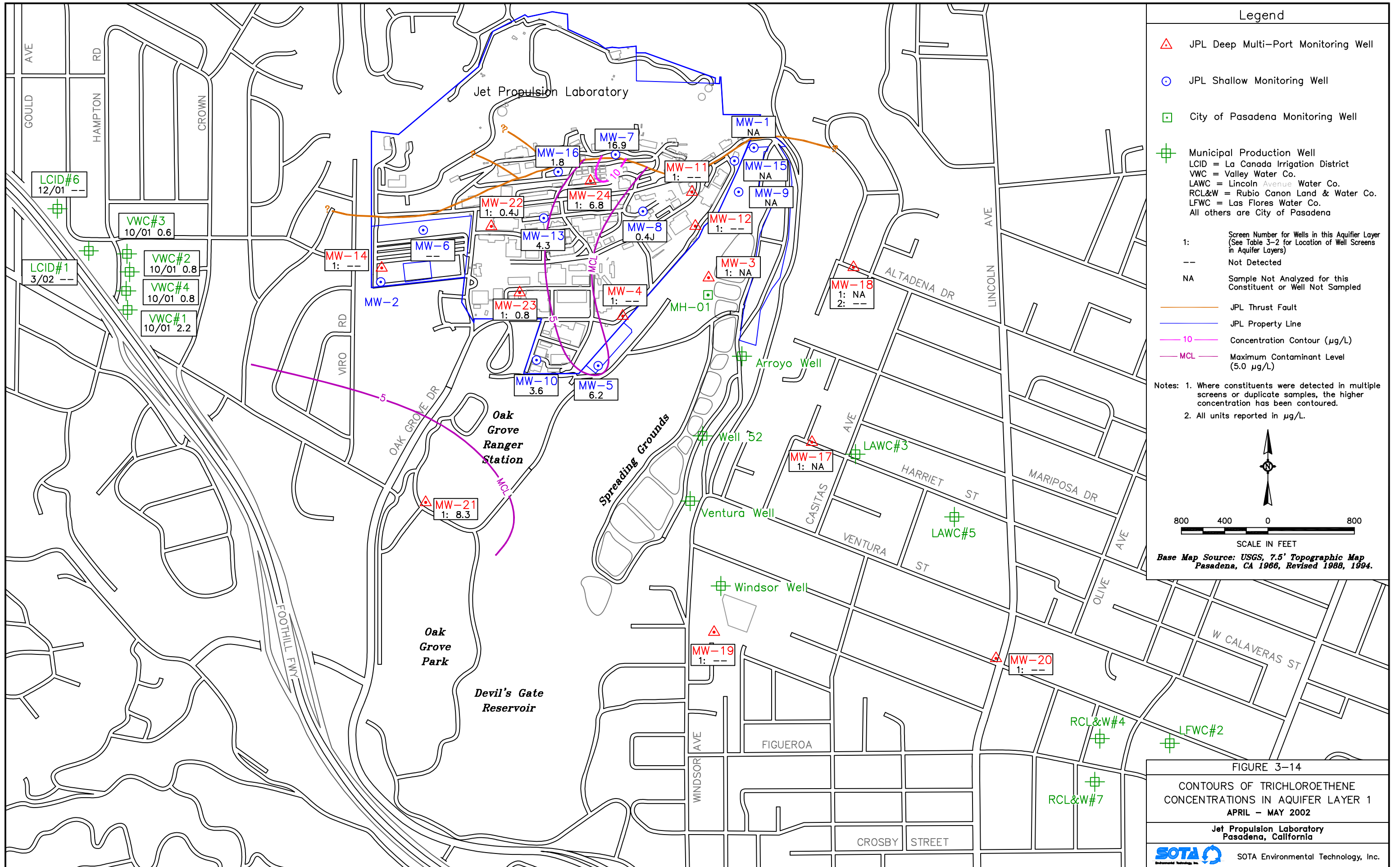


FIGURE 3-13  
 CONTOURS OF TRICHLOROETHENE  
 CONCENTRATIONS IN AQUIFER LAYER 1  
 JANUARY - FEBRUARY 2002  
 Jet Propulsion Laboratory  
 Pasadena, California  
 SOTA Environmental Technology, Inc.



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 (See Table 3-2 for Location of Well Screens in Aquifer Layers)  
 -- Not Detected  
 NA Sample Not Analyzed for this Constituent or Well Not Sampled
- 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 or duplicate samples, the higher concentration has been contoured.  
 2. All units reported in µg/L.



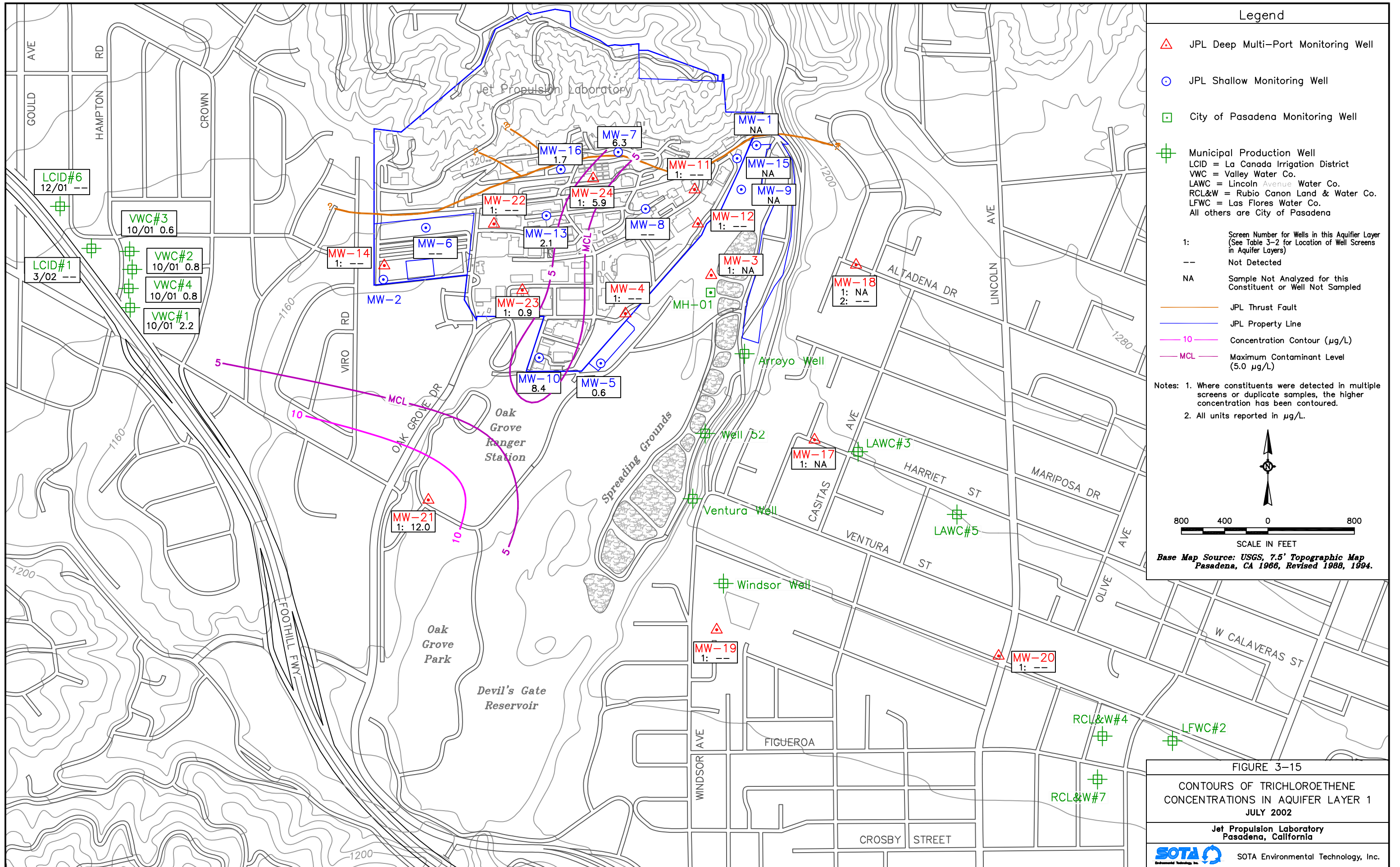
  
 800 400 0 800  
 SCALE IN FEET  
 Base Map Source: USGS, 7.5' Topographic Map Pasadena, CA 1966, Revised 1988, 1994.

FIGURE 3-14  
 CONTOURS OF TRICHLOROETHENE  
 CONCENTRATIONS IN AQUIFER LAYER 1  
 APRIL - MAY 2002  
 Jet Propulsion Laboratory  
 Pasadena, California  
 SOTA Environmental Technology, Inc.





Legend

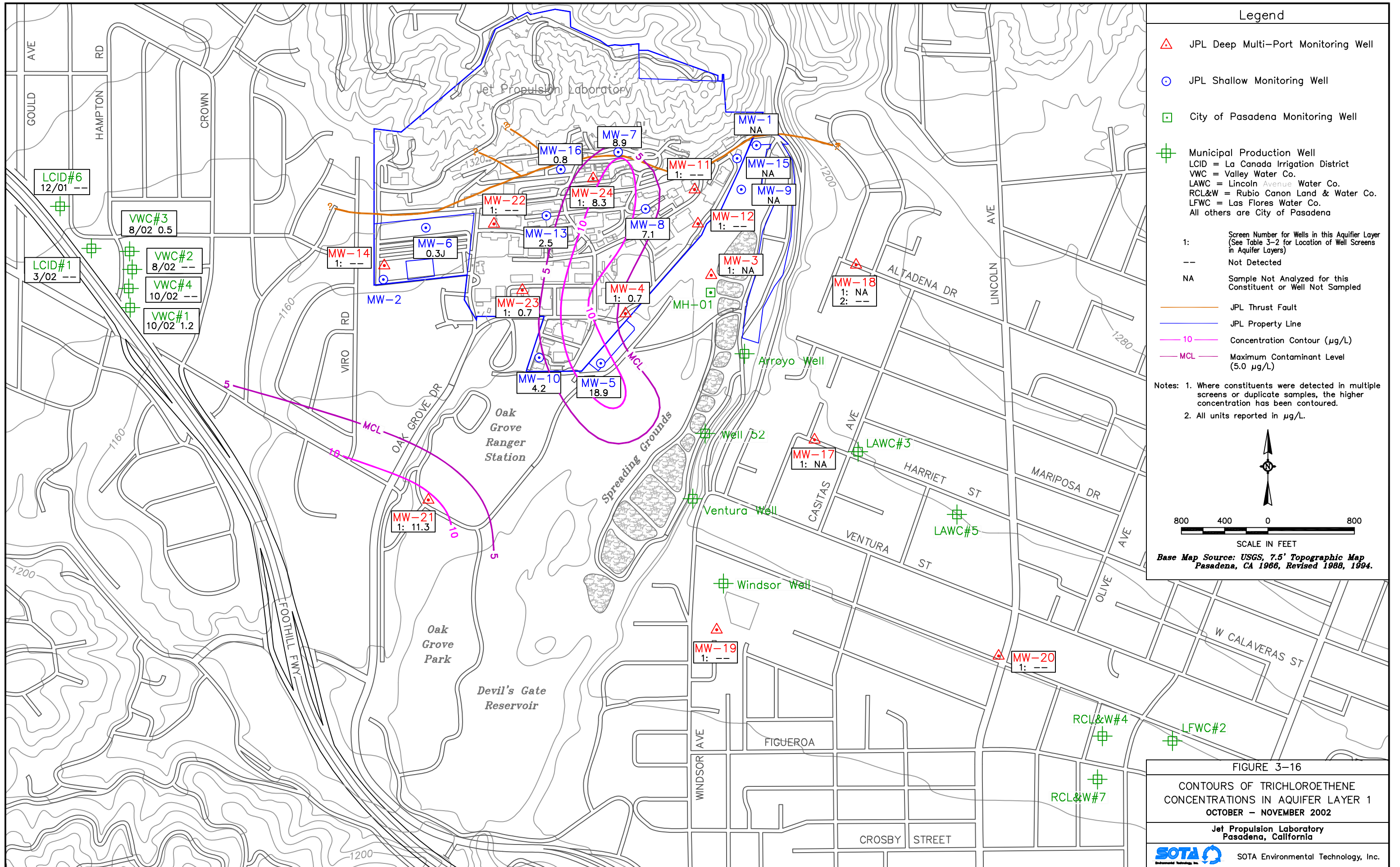
- ▲ JPL Deep Multi-Port Monitoring Well
  - JPL Shallow Monitoring Well
  - City of Pasadena Monitoring Well
  - ⊕ Municipal Production Well  
 LCID = La Canada Irrigation District  
 VWC = Valley Water Co.  
 LAWLC = Lincoln Avenue Water Co.  
 RCL&W = Rubio Canon Land & Water Co.  
 LFWC = Las Flores Water Co.  
 All others are City of Pasadena
- 1: Screen Number for Wells in this Aquifer Layer (See Table 3-2 for Location of Well Screens in Aquifer Layers)  
 -- Not Detected  
 NA Sample Not Analyzed for this Constituent or Well Not Sampled
- 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 or duplicate samples, the higher concentration has been contoured.  
 2. All units reported in µg/L.

800 400 0 800  
 SCALE IN FEET  
 Base Map Source: USGS, 7.5' Topographic Map Pasadena, CA 1966, Revised 1988, 1994.

FIGURE 3-15  
 CONTOURS OF TRICHLOROETHENE  
 CONCENTRATIONS IN AQUIFER LAYER 1  
 JULY 2002  
 Jet Propulsion Laboratory  
 Pasadena, California  
 SOTA Environmental Technology, Inc.





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 (See Table 3-2 for Location of Well Screens in Aquifer Layers)  
 -- Not Detected  
 NA Sample Not Analyzed for this Constituent or Well Not Sampled
- 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 or duplicate samples, the higher concentration has been contoured.  
 2. All units reported in µg/L.



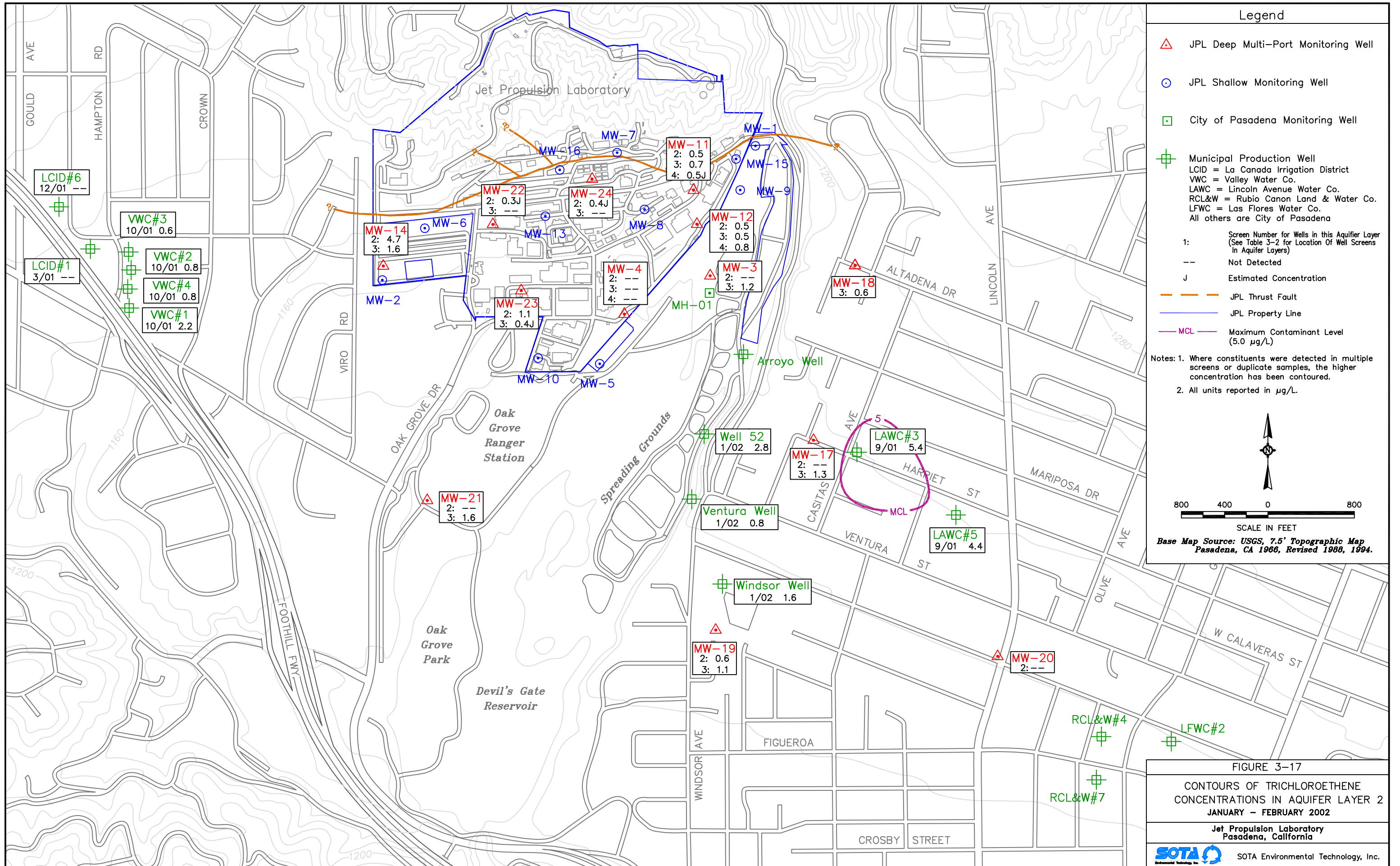
  
 800 400 0 800  
 SCALE IN FEET  
 Base Map Source: USGS, 7.5' Topographic Map Pasadena, CA 1966, Revised 1988, 1994.

FIGURE 3-16  
 CONTOURS OF TRICHLOROETHENE CONCENTRATIONS IN AQUIFER LAYER 1  
 OCTOBER - NOVEMBER 2002  
 Jet Propulsion Laboratory  
 Pasadena, California  
 SOTA Environmental Technology, Inc.





### 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 (See Table 3-2 for Location Of Well Screens In Aquifer Layers)  
 -- Not Detected  
 J Estimated Concentration

- JPL Thrust Fault
- JPL Property Line
- MCL Maximum Contaminant Level (5.0 µg/L)

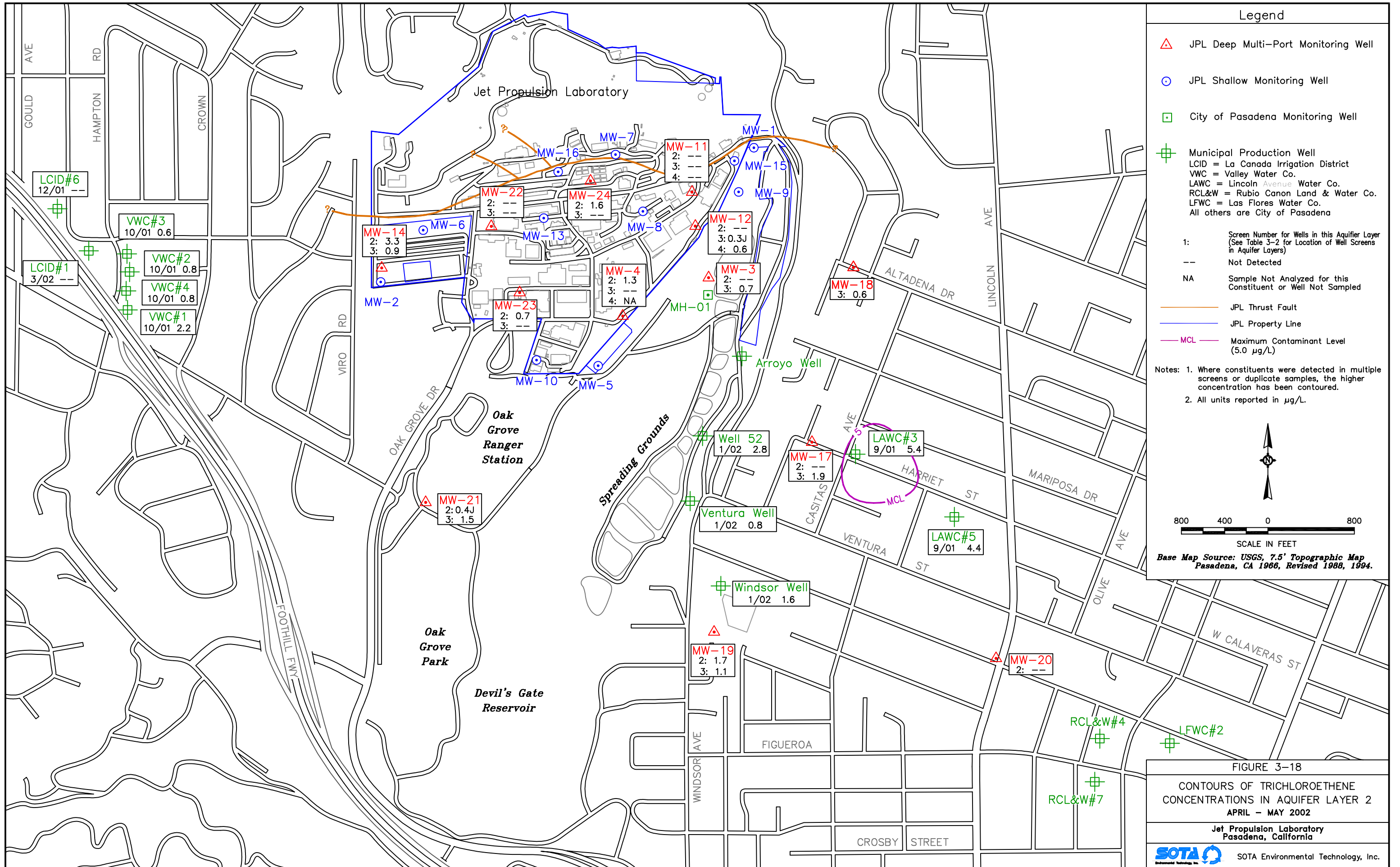
Notes: 1. Where constituents were detected in multiple screens or duplicate samples, the higher concentration has been contoured.  
 2. All units reported in µg/L.

SCALE IN FEET

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

FIGURE 3-17  
 CONTOURS OF TRICHLOROETHENE  
 CONCENTRATIONS IN AQUIFER LAYER 2  
 JANUARY - FEBRUARY 2002  
 Jet Propulsion Laboratory  
 Pasadena, California

SOTA Environmental Technology, Inc.



### 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 (See Table 3-2 for Location of Well Screens in Aquifer Layers)

-- Not Detected

NA Sample Not Analyzed for this Constituent or Well Not Sampled

- JPL Thrust Fault
- JPL Property Line
- MCL Maximum Contaminant Level (5.0 µg/L)

Notes: 1. Where constituents were detected in multiple screens or duplicate samples, the higher concentration has been contoured.  
 2. All units reported in µg/L.

SCALE IN FEET

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

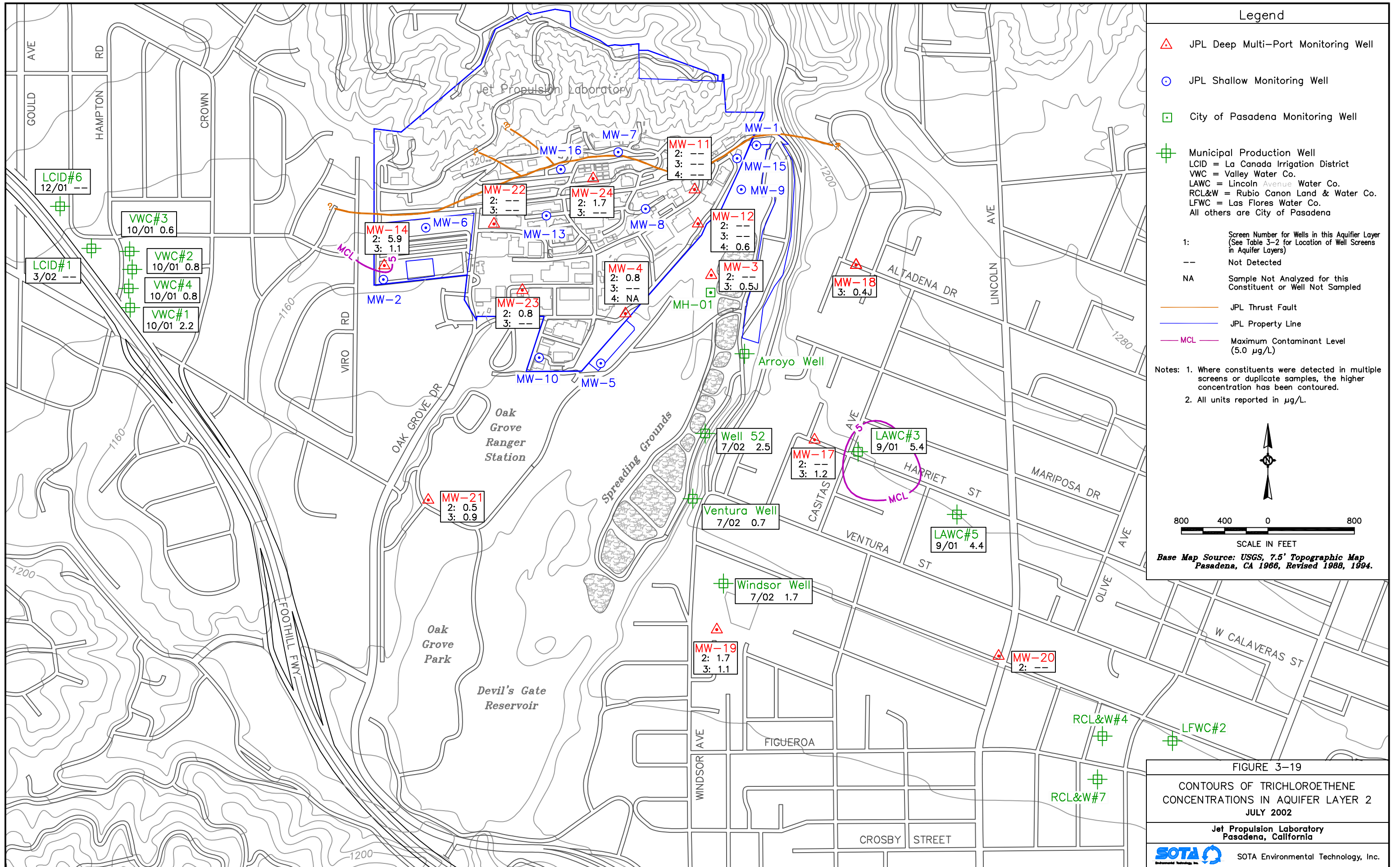
FIGURE 3-18

CONTOURS OF TRICHLOROETHENE  
 CONCENTRATIONS IN AQUIFER LAYER 2  
 APRIL - MAY 2002

Jet Propulsion Laboratory  
 Pasadena, California

SOTA Environmental Technology, Inc.





### 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 (See Table 3-2 for Location of Well Screens in Aquifer Layers)

-- Not Detected

NA Sample Not Analyzed for this Constituent or Well Not Sampled

- JPL Thrust Fault
- JPL Property Line
- MCL Maximum Contaminant Level (5.0 µg/L)

Notes: 1. Where constituents were detected in multiple screens or duplicate samples, the higher concentration has been contoured.  
2. All units reported in µg/L.

800 400 0 800

SCALE IN FEET

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

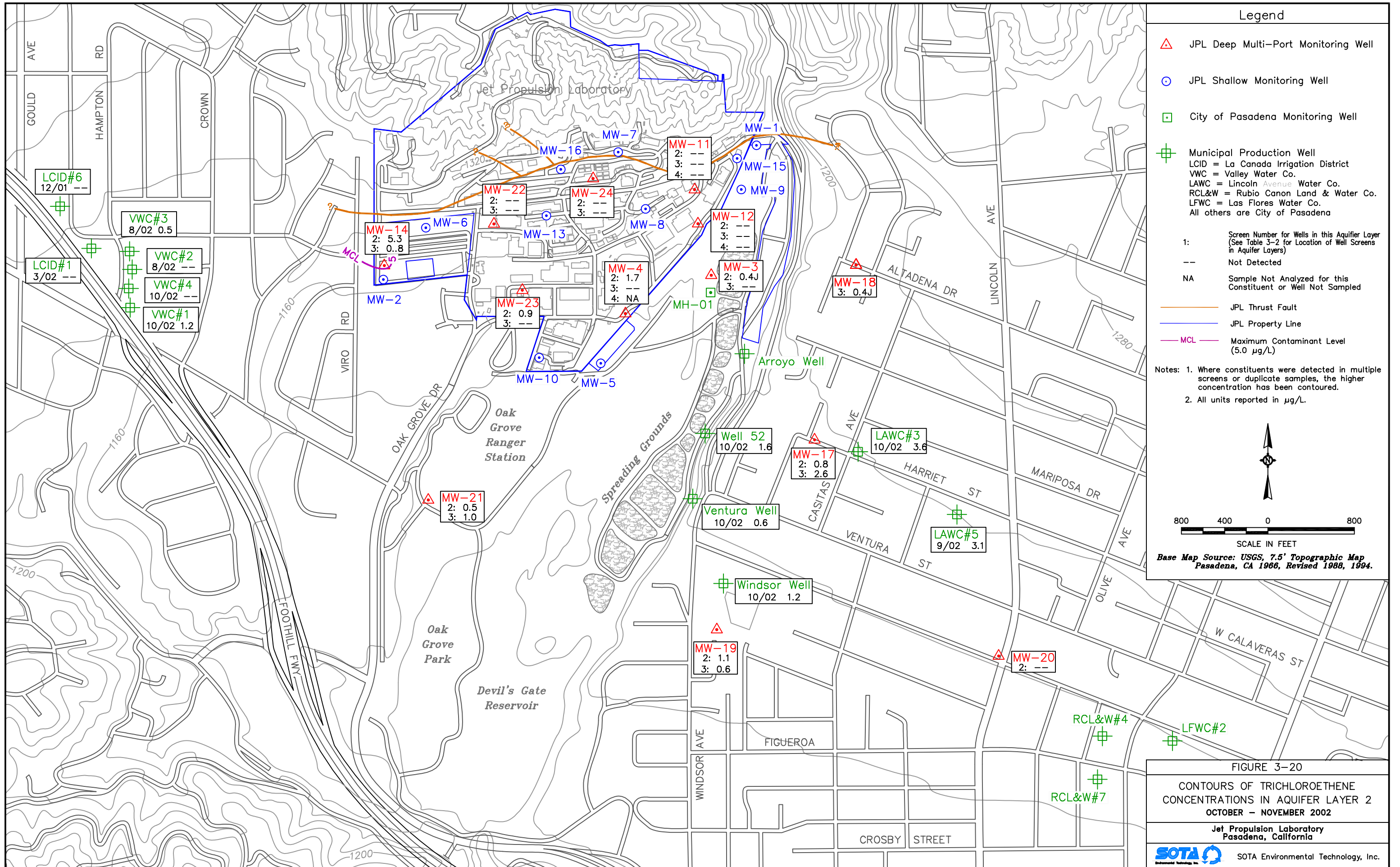
FIGURE 3-19

CONTOURS OF TRICHLOROETHENE  
CONCENTRATIONS IN AQUIFER LAYER 2  
JULY 2002

Jet Propulsion Laboratory  
Pasadena, California

SOTA Environmental Technology, Inc.





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 (See Table 3-2 for Location of Well Screens in Aquifer Layers)  
 -- Not Detected  
 NA Sample Not Analyzed for this Constituent or Well Not Sampled
- JPL Thrust Fault
  - JPL Property Line
  - MCL Maximum Contaminant Level (5.0 µg/L)

Notes: 1. Where constituents were detected in multiple screens or duplicate samples, the higher concentration has been contoured.  
 2. All units reported in µg/L.

N

800 400 0 800

SCALE IN FEET

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

FIGURE 3-20  
 CONTOURS OF TRICHLOROETHENE  
 CONCENTRATIONS IN AQUIFER LAYER 2  
 OCTOBER - NOVEMBER 2002  
 Jet Propulsion Laboratory  
 Pasadena, California  
 SOTA Environmental Technology, Inc.