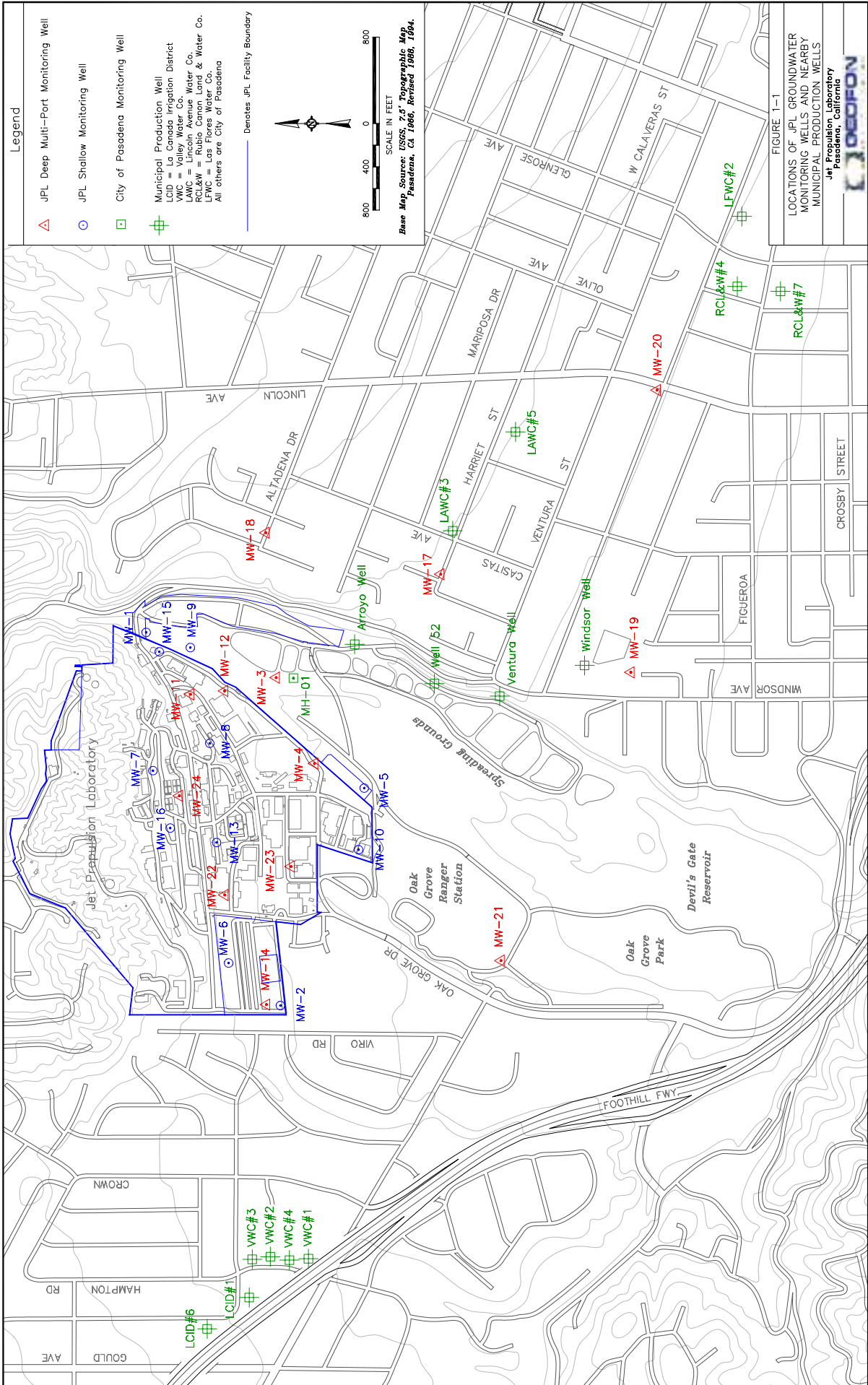
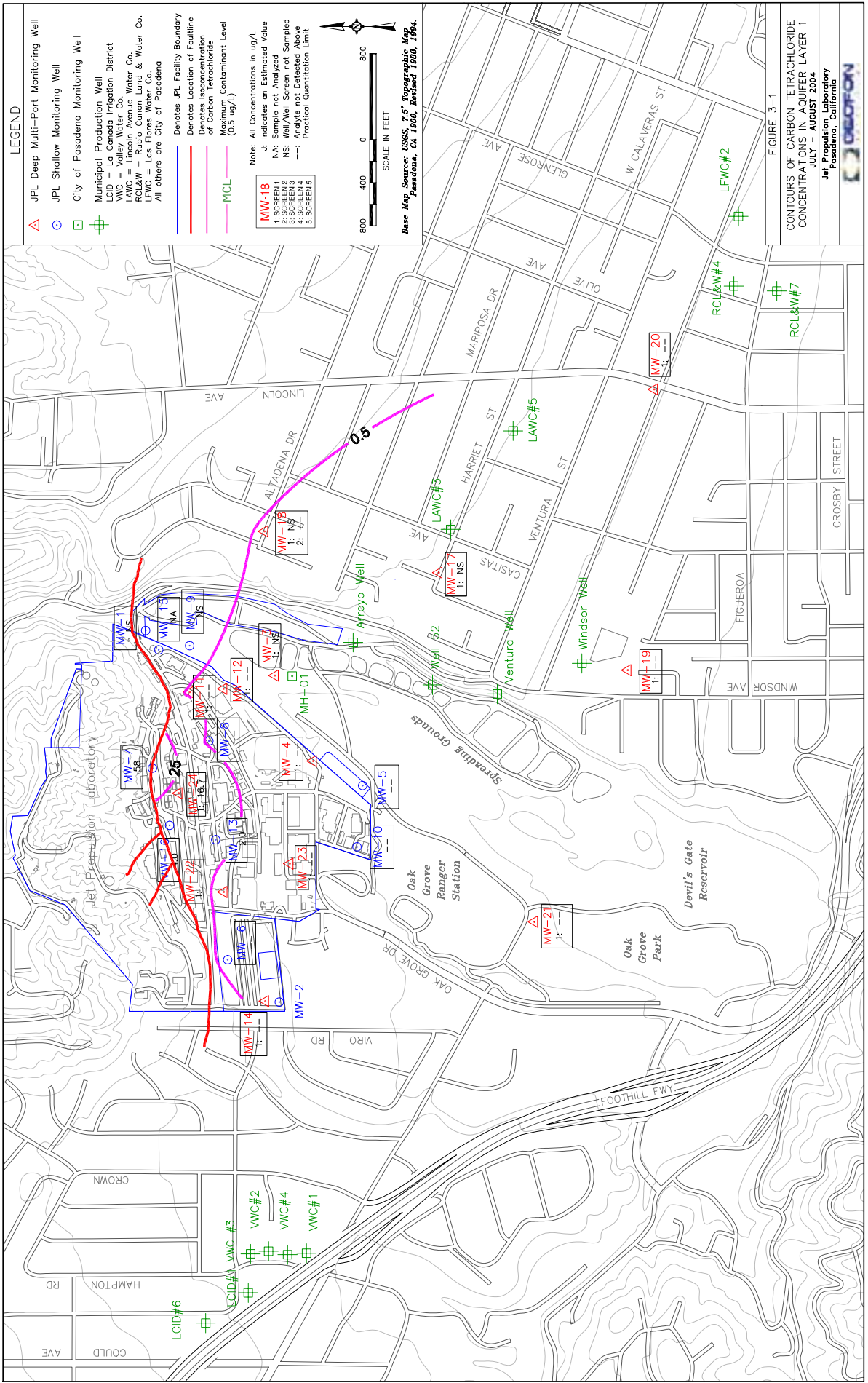


## FIGURES

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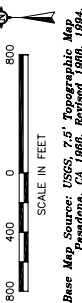


**LEGEND**

- JPL Deep Multi-Port Monitoring Well
- JPL Shallow Monitoring Well
- City of Pasadena Monitoring Well
- Municipal Production Well
- Denotes JPL Facility Boundary
- Denotes Location of Faultline
- Denotes Location of Maximum Contaminant Level (MCL) of Carbon tetrachloride
- Maximum Contaminant Level (0.5 ug/L)

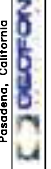
Note: All Concentrations in ug/L  
 .j. Indicates an Estimated Value  
 NA: Sample not Analyzed  
 NS: Well/Well Screen not Sampled  
 --: Analyte not Detected Above Practical Quantitation Limit

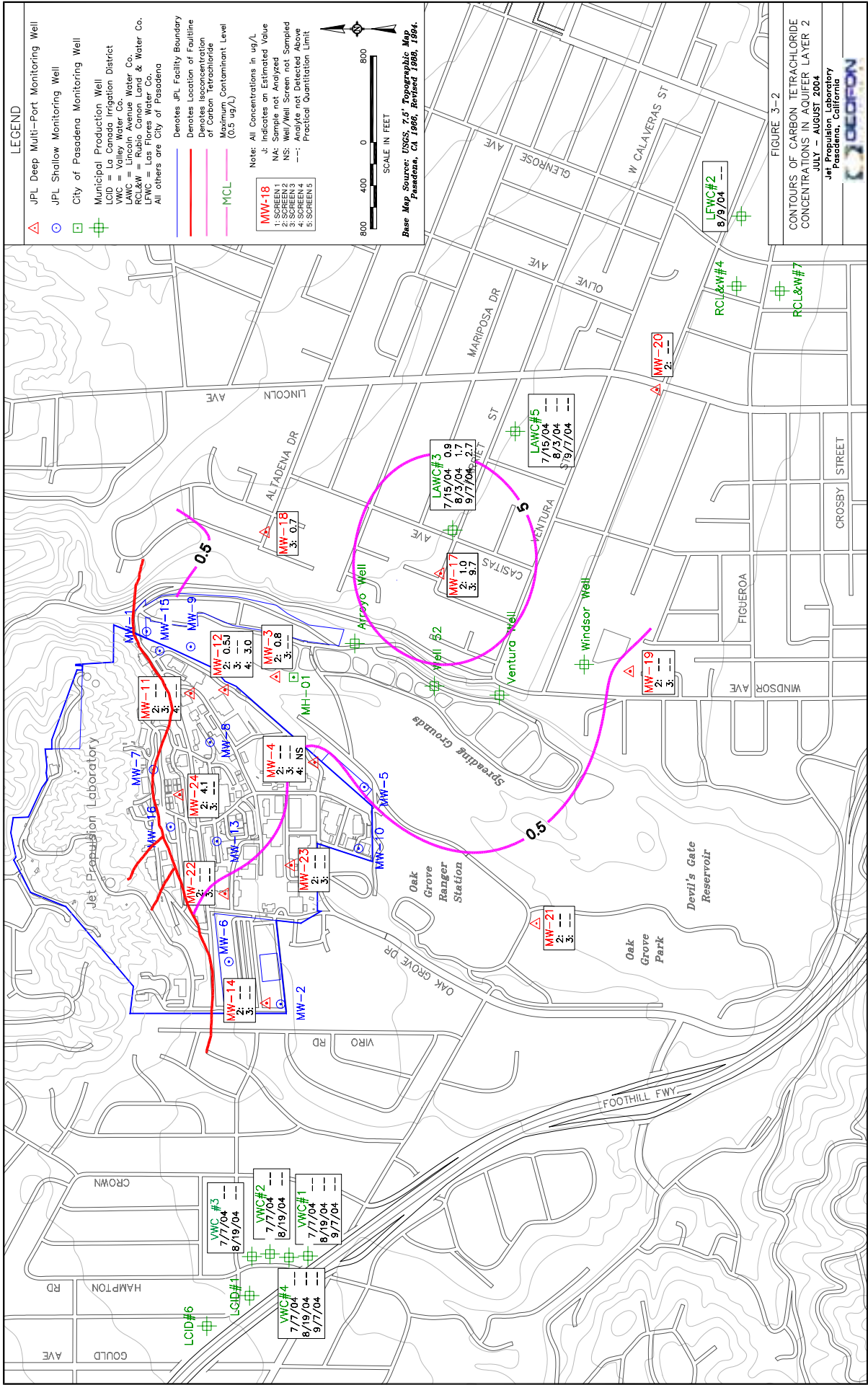
- MW-18
- 1: SCREEN 1
- 2: SCREEN 2
- 3: SCREEN 3
- 4: SCREEN 4
- 5: SCREEN 5

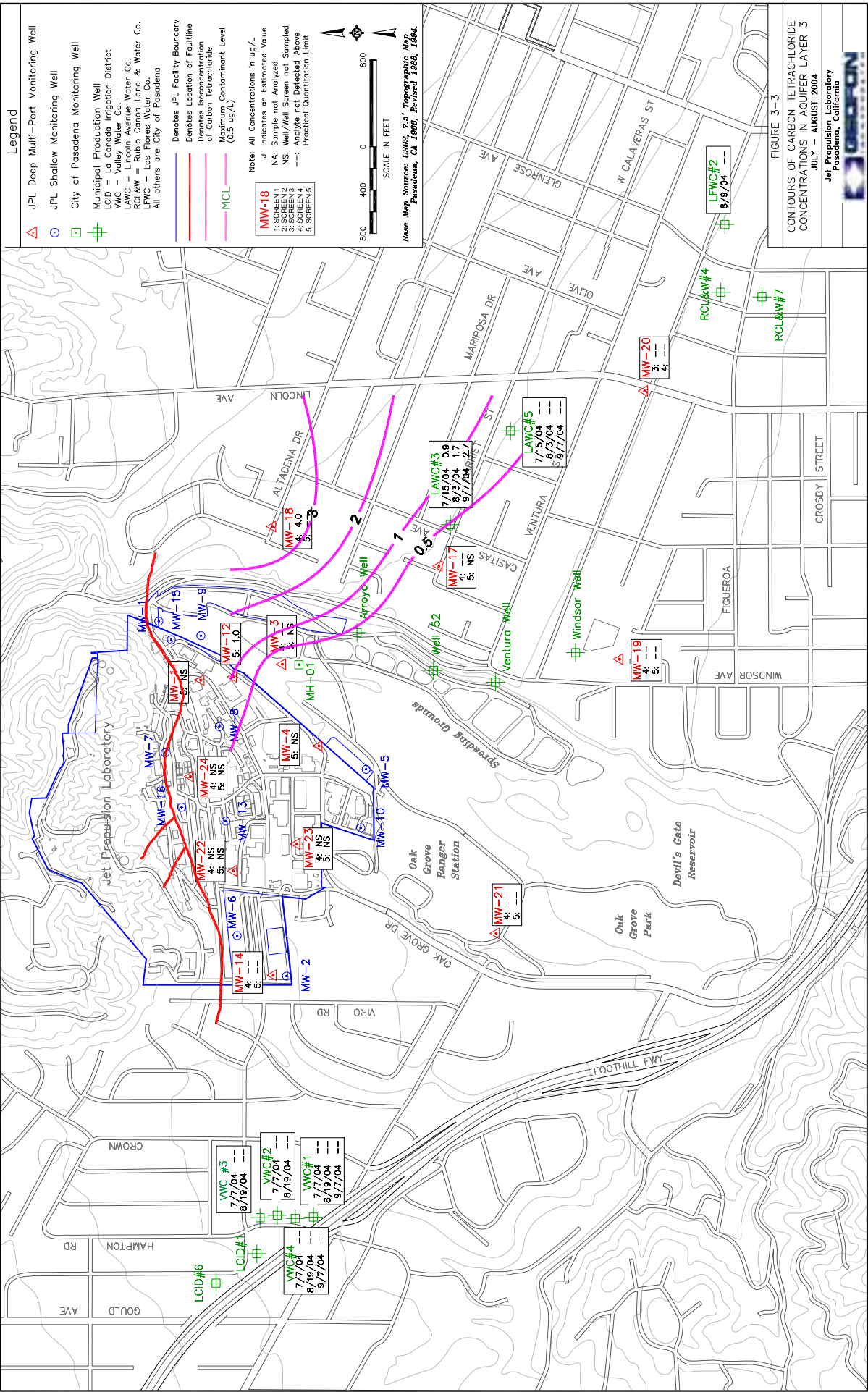


Base Map Source: USGS, 7.5' Topographic Map Pasadena, CA 1966, Revised 1986, 1994.

FIGURE 3-1  
 CONTOURS OF CARBON TETRACHLORIDE  
 CONCENTRATIONS IN AQUIFER LAYER 1  
 JULY - AUGUST 2004  
 JPL Population Laboratory  
 Pasadena, California







**Legend**

- △ JPL Deep Multi-Port Monitoring Well
- JPL Shallow Monitoring Well
- City of Pasadena Monitoring Well
- + Municipal Production Well
- La Brea Ingotation District
- LAWC = Lincoln Avenue Water Co.
- RCL&W = Rubio Canon Land & Water Co.
- LFWC = Las Flores Water Co.
- All others are City of Pasadena

- Denotes JPL Facility Boundary
- Denotes Location of Faultline
- Denotes Location of Carbon tetrachloride
- Maximum Contaminant Level (0.5 ug/L)

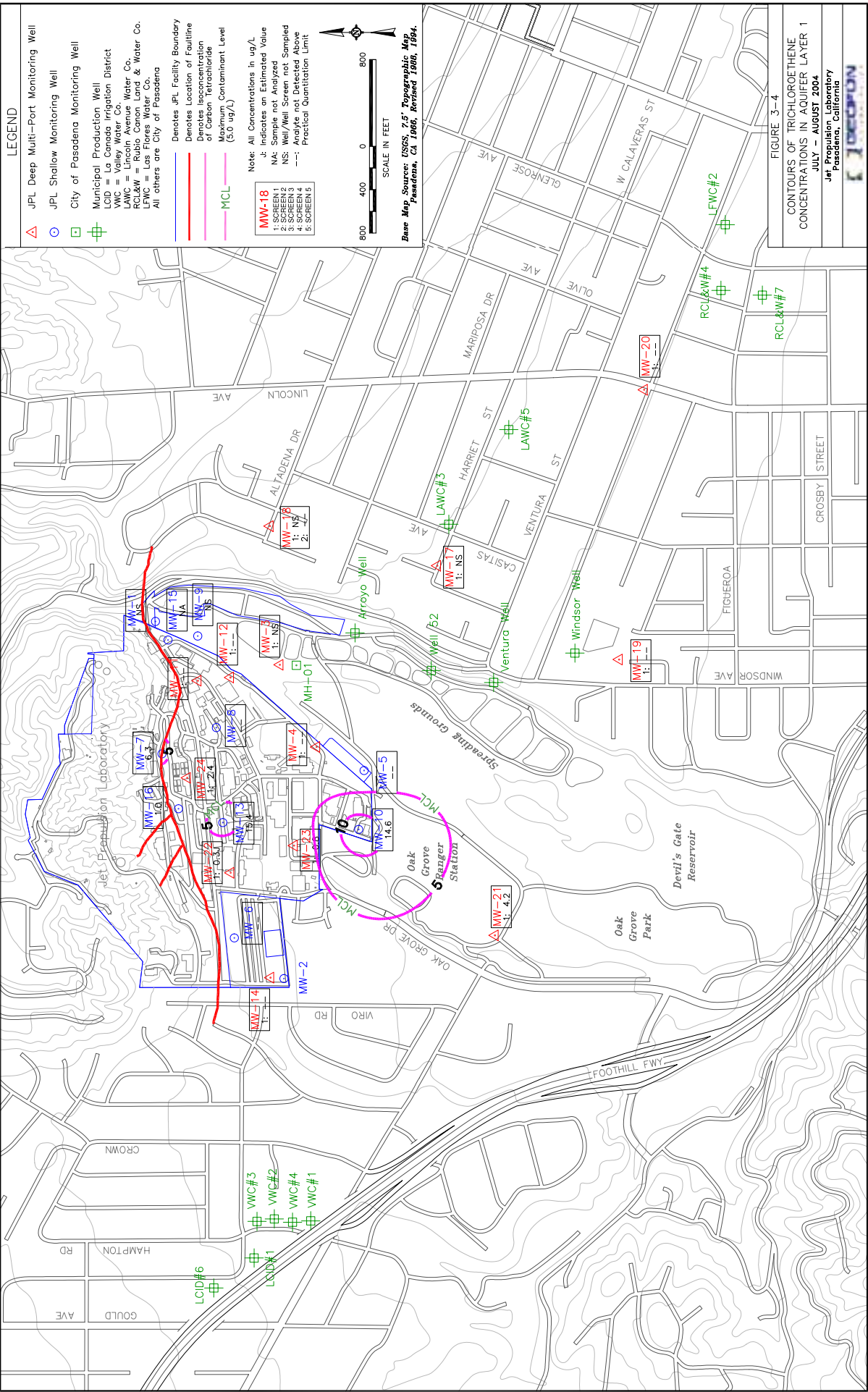
**MW-18**  
 1. SCREEN 1  
 2. SCREEN 2  
 3. SCREEN 3  
 4. SCREEN 4  
 5. SCREEN 5

**NOTE:** All Concentrations in ug/L  
 J: Indicates an Estimated Value  
 NA: Sample not Analyzed  
 NS: Well/Well Screen not Sampled  
 ---: Analyte not Detected Above Practical Quantitation Limit

SCALE IN FEET  
 800 400 0 400 800

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

FIGURE 3-3  
 CONTOURS OF CARBON TETRACHLORIDE CONCENTRATIONS IN AQUIFER LAYER 3  
 JULY - AUGUST 2004  
 Jet Propulsion Laboratory  
 Pasadena, California



**LEGEND**

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

- Denotes JPL Facility Boundary
- Denotes Location of Faultline
- Denotes Location of Carbon Tetrachloride
- Maximum Contaminant Level (5.0 ug/L)

Note: All Concentrations in ug/L  
 J: Indicates an Estimated Value  
 NA: Sample not Analyzed  
 NS: Well/Well Screen not Sampled  
 --: Analyte not Detected Above Practical Quantitation Limit

**MW-18**  
 1. SCREEN 1  
 2. SCREEN 2  
 3. SCREEN 3  
 4. SCREEN 4  
 5. SCREEN 5

**MW-19**  
 1. NS

**MW-20**  
 1. NS

**MW-21**  
 1. 4.2

**MW-17**  
 1. NS

**MW-12**  
 1. 1.1

**MW-11**  
 1. 1.1

**MW-10**  
 1. 14.6

**MW-9**  
 1. 1.0

**MW-8**  
 1. 1.0

**MW-7**  
 1. 0.3

**MW-6**  
 1. 1.1

**MW-5**  
 1. 1.1

**MW-4**  
 1. 1.1

**MW-3**  
 1. 1.1

**MW-2**  
 1. 1.1

**MW-1**  
 1. 1.1

**MW-14**  
 1. 1.1

**MW-13**  
 1. 1.1

**MW-15**  
 1. NA

**MW-16**  
 1. NA

**MW-17**  
 1. NS

**MW-18**  
 1. NS

**MW-19**  
 1. NS

**MW-20**  
 1. NS

**MW-21**  
 1. 4.2

**MW-22**  
 1. 1.1

**MW-23**  
 1. 1.1

**MW-24**  
 1. 1.1

**MW-25**  
 1. 1.1

**MW-26**  
 1. 1.1

**MW-27**  
 1. 1.1

**MW-28**  
 1. 1.1

**MW-29**  
 1. 1.1

**MW-30**  
 1. 1.1

**MW-31**  
 1. 1.1

**MW-32**  
 1. 1.1

**MW-33**  
 1. 1.1

**MW-34**  
 1. 1.1

**MW-35**  
 1. 1.1

**MW-36**  
 1. 1.1

**MW-37**  
 1. 1.1

**MW-38**  
 1. 1.1

**MW-39**  
 1. 1.1

**MW-40**  
 1. 1.1

**MW-41**  
 1. 1.1

**MW-42**  
 1. 1.1

**MW-43**  
 1. 1.1

**MW-44**  
 1. 1.1

**MW-45**  
 1. 1.1

**MW-46**  
 1. 1.1

**MW-47**  
 1. 1.1

**MW-48**  
 1. 1.1

**MW-49**  
 1. 1.1

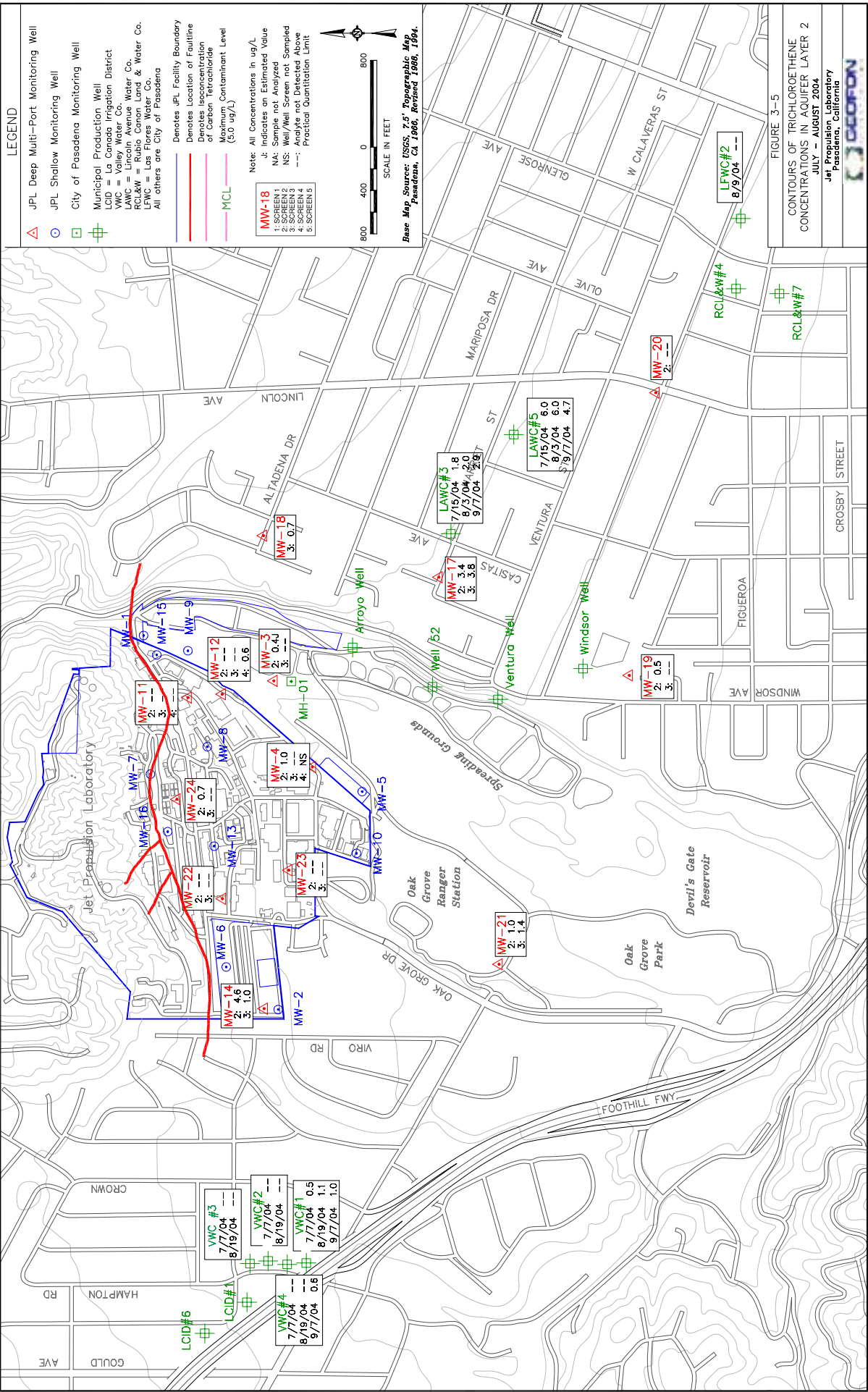
**MW-50**  
 1. 1.1

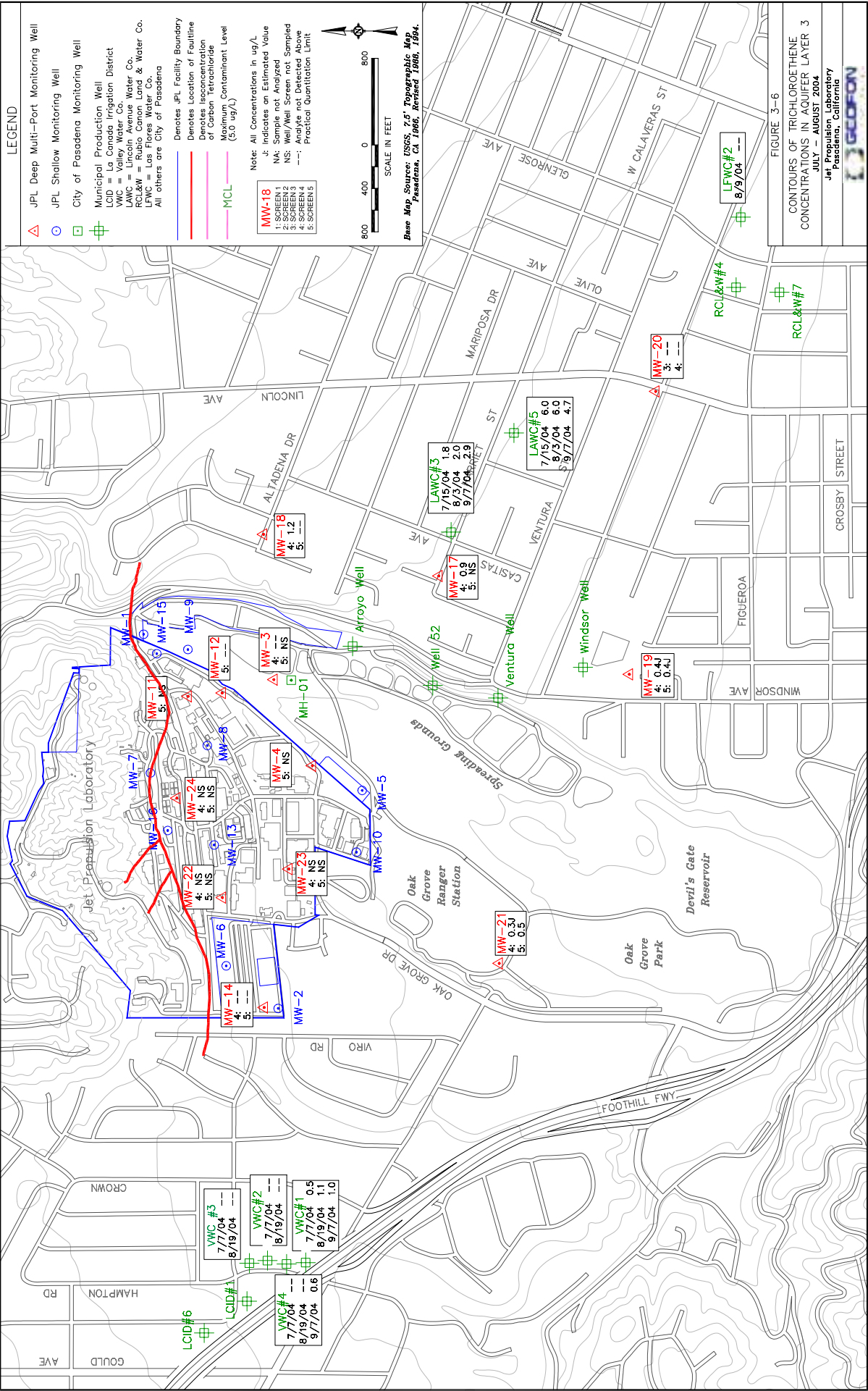
SCALE IN FEET  
 800 400 0 400 800

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

FIGURE 3-4  
 CONTOURS OF TRICHLOROETHENE  
 CONCENTRATIONS IN AQUIFER LAYER 1  
 JULY - AUGUST 2004  
 JPL Proprietary 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 = Los Angeles Water Co.
- RC&W = Rubio Canon Land & Water Co.
- LFWC = Las Flores Water Co.
- All others are City of Pasadena
- Denotes JPL Facility Boundary
- Denotes Location of Faultline
- Denotes Inconcentration of Carbon Tetrachloride
- Denotes Contaminant Level (5.0 ug/L)
- MCL

Note: All Concentrations in ug/L

- J: Indicates an Estimated Value
- NA: Sample not Analyzed
- NS: Well/Well Screen not Sampled
- : Analyte not Detected Above Practical Quantitation Limit

**MW-18**

|             |
|-------------|
| 1. SCREEN 1 |
| 2. SCREEN 2 |
| 3. SCREEN 3 |
| 4. SCREEN 4 |
| 5. SCREEN 5 |

Base Map Source: USGS, 2.5' Topographic Map, Pasadena, CA 1986, Revised 1989, 1994.

SCALE IN FEET

800 400 0 400 800

FIGURE 3-6

**CONTOURS OF TRICHLOROETHENE CONCENTRATIONS IN AQUIFER LAYER 3**

JULY - AUGUST 2004

Jet Propulsion Laboratory  
Pasadena, California

**GEOPON**

**VWC#3**

|         |
|---------|
| 7/7/04  |
| 8/19/04 |
| ---     |

**VWC#2**

|         |
|---------|
| 7/7/04  |
| 8/19/04 |
| ---     |

**VWC#1**

|         |
|---------|
| 7/7/04  |
| 8/19/04 |
| 1.1     |
| 9/7/04  |
| 1.0     |

**VWC#4**

|         |
|---------|
| 7/7/04  |
| 8/19/04 |
| 0.6     |
| 9/7/04  |
| 0.6     |

**LCD#6**

**LCD#1**

**MW-1**

|       |
|-------|
| 4: NS |
| 5: NS |

**MW-2**

|       |
|-------|
| 4: NS |
| 5: NS |

**MW-3**

|       |
|-------|
| 4: NS |
| 5: NS |

**MW-4**

|       |
|-------|
| 4: NS |
| 5: NS |

**MW-5**

|       |
|-------|
| 4: NS |
| 5: NS |

**MW-6**

|       |
|-------|
| 4: NS |
| 5: NS |

**MW-7**

|       |
|-------|
| 4: NS |
| 5: NS |

**MW-8**

|       |
|-------|
| 4: NS |
| 5: NS |

**MW-9**

|       |
|-------|
| 4: NS |
| 5: NS |

**MW-10**

|       |
|-------|
| 4: NS |
| 5: NS |

**MW-11**

|       |
|-------|
| 4: NS |
| 5: NS |

**MW-12**

|       |
|-------|
| 4: NS |
| 5: NS |

**MW-13**

|       |
|-------|
| 4: NS |
| 5: NS |

**MW-14**

|       |
|-------|
| 4: NS |
| 5: NS |

**MW-15**

|       |
|-------|
| 4: NS |
| 5: NS |

**MW-16**

|       |
|-------|
| 4: NS |
| 5: NS |

**MW-17**

|       |
|-------|
| 4: NS |
| 5: NS |

**MW-18**

|       |
|-------|
| 4: NS |
| 5: NS |

**MW-19**

|         |
|---------|
| 4: 0.4J |
| 5: 0.4J |

**MW-20**

|        |
|--------|
| 3: --- |
| 4: --- |

**MW-21**

|         |
|---------|
| 4: 0.5J |
| 5: 0.5J |

**MW-22**

|       |
|-------|
| 4: NS |
| 5: NS |

**MW-23**

|       |
|-------|
| 4: NS |
| 5: NS |

**MW-24**

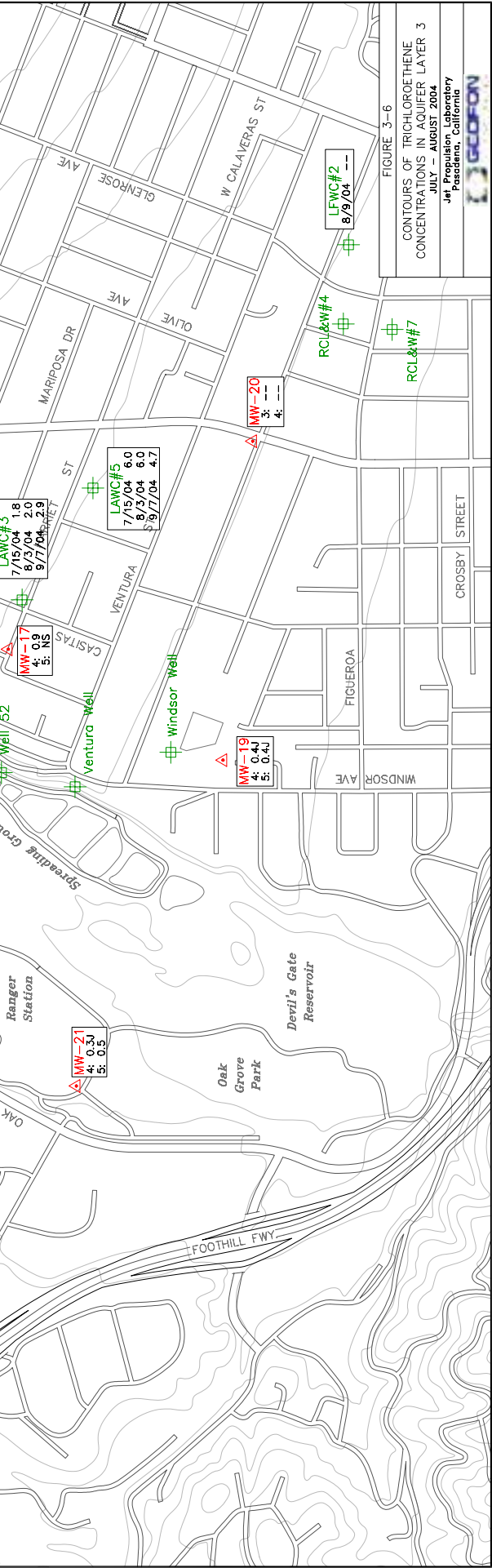
|       |
|-------|
| 4: NS |
| 5: NS |

**LAWC#3**

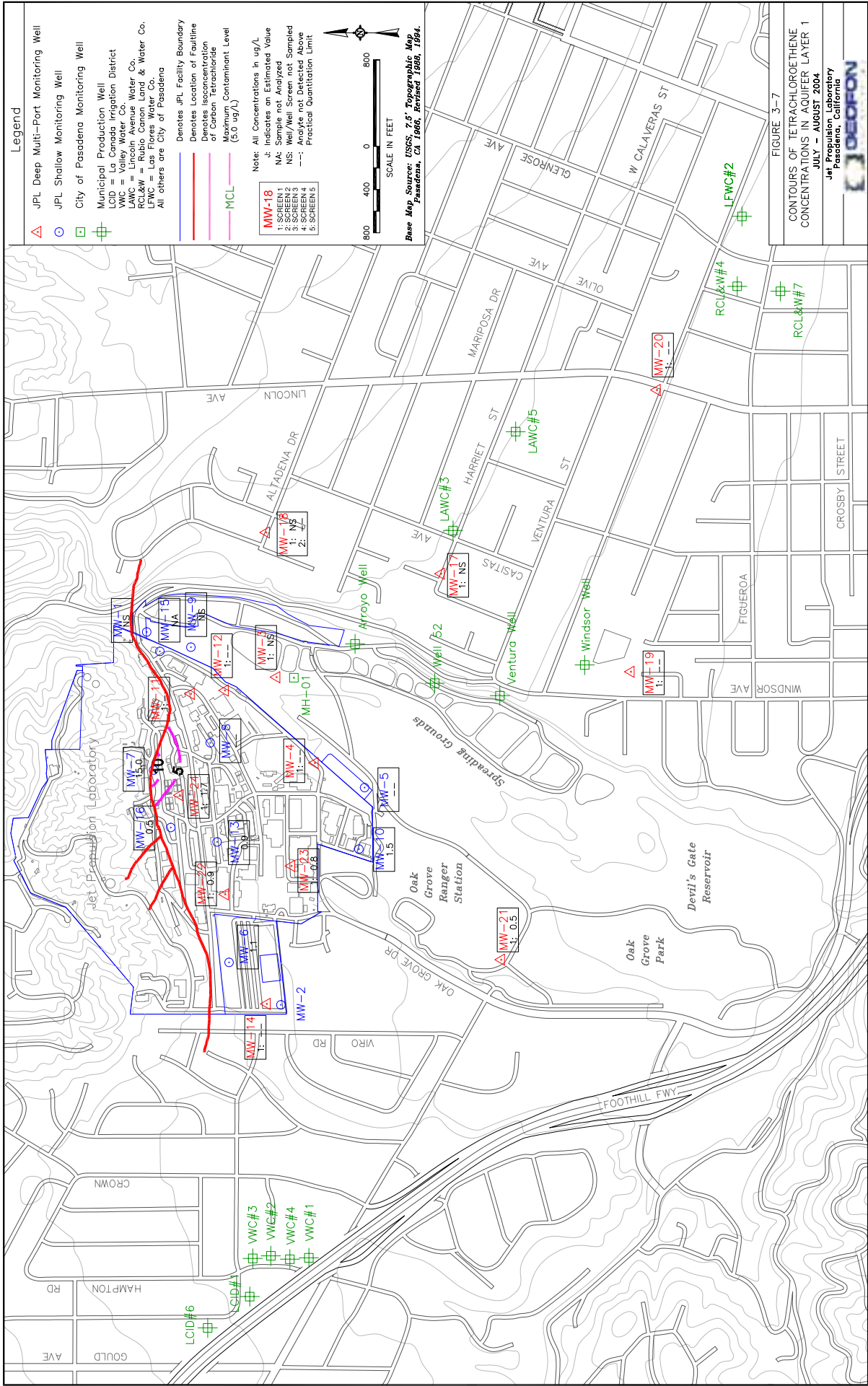
|         |
|---------|
| 7/15/04 |
| 8/3/04  |
| 9/7/04  |
| 1.8     |
| 2.0     |
| 2.9     |

**LAWC#5**

|         |
|---------|
| 7/15/04 |
| 8/3/04  |
| 9/7/04  |
| 6.0     |
| 6.0     |
| 4.7     |







**Legend**

- JPL Deep Multi-Port Monitoring Well
- JPL Shallow Monitoring Well
- City of Pasadena Monitoring Well
- Municipal Production Well
- LCD = La Canada Irrigation District
- LWC = Lincoln Avenue Water Co.
- RCL&W = Rubio Canon Land & Water Co.
- LFWC = Las Flores Water Co.
- All others are City of Pasadena
- Denotes JPL Facility Boundary
- Denotes Location of Faultline
- Denotes Inconcentration Contour
- Denotes Contaminant Level
- MCL (5.0 ug/L)

Note: All Concentrations in ug/L  
 J: Indicates an Estimated Value  
 NA: Sample not Analyzed  
 NS: Well/Well Screen not Sampled  
 -: Analyte not Detected Above Practical Quantitation Limit

- MW-18**
- 1: SCREEN 1
- 2: SCREEN 2
- 3: SCREEN 3
- 4: SCREEN 4
- 5: SCREEN 5

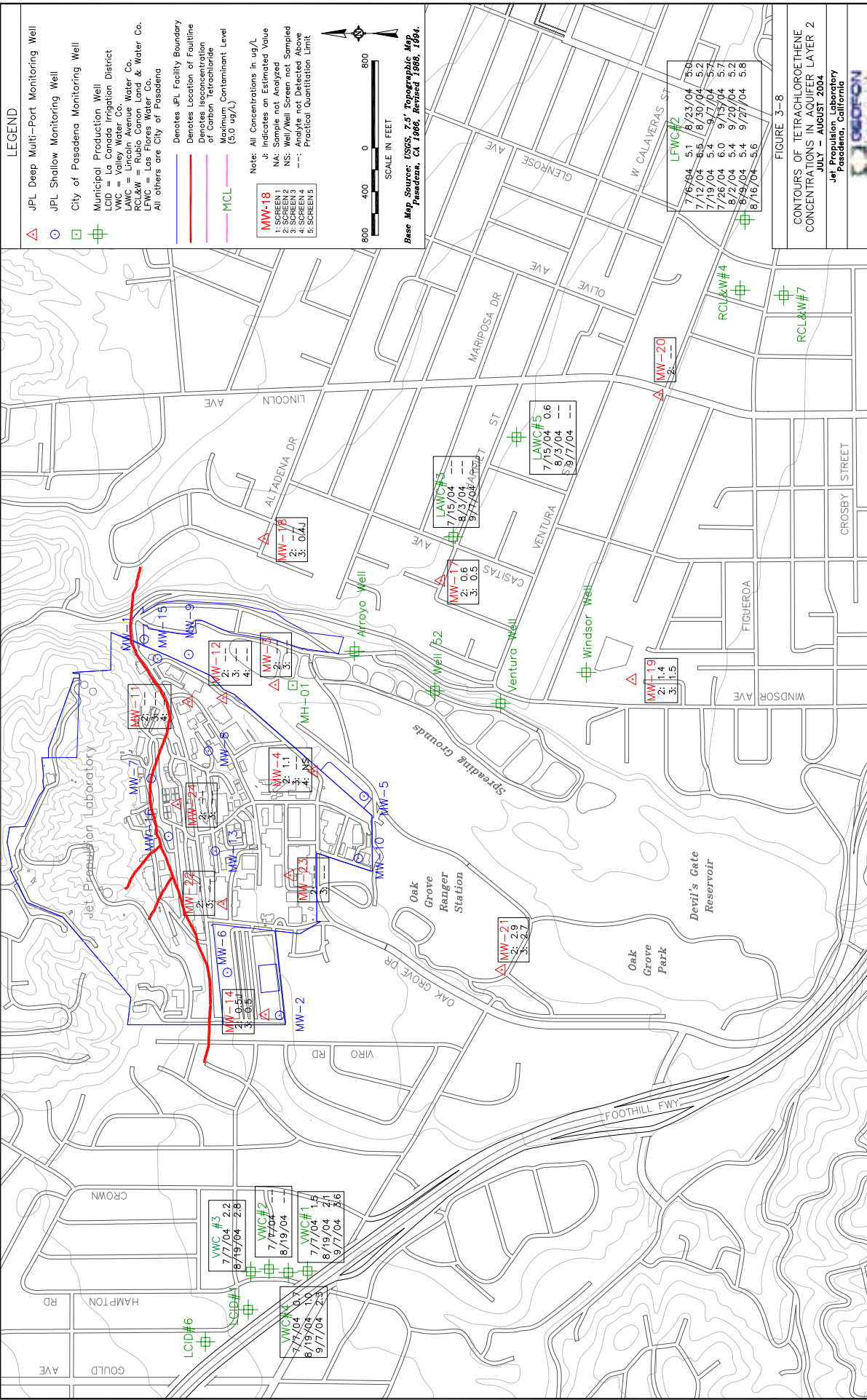


Base Map Source: USGS, 7.5' Topographic Map Pasadena, CA 1986, Revised 1989, 1994.

FIGURE 3-7  
 CONTOURS OF TETRACHLOROETHENE  
 CONCENTRATIONS IN AQUIFER LAYER 1  
 JULY - AUGUST 2004

Jet Propulsion Laboratory  
 Pasadena, California



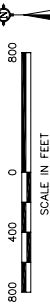


**LEGEND**

- △ JPL Deep Multi-Port Monitoring Well
- JPL Shallow Monitoring Well
- City of Pasadena Monitoring Well
- + Municipal Production Well
- Denotes JPL Facility Boundary
- Denotes Location of Faultline
- Denotes Location of Faultline of Carbon tetrachloride
- Maximum Contaminant Level (5.0 ug/L)

**MW-18**  
 1. SCREEN 1  
 2. SCREEN 2  
 3. SCREEN 4  
 4. SCREEN 4  
 5. SCREEN 5

Note: All Concentrations in ug/L  
 J: Indicates an Estimated Value  
 NA: Sample not Analyzed  
 NS: Well/Well Screen not Sampled  
 ---: Analyte not Detected Above Practical Quantitation Limit



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

**FIGURE 3-8**  
 CONTOURS OF TETRACHLOROETHENE  
 CONCENTRATIONS IN AQUIFER LAYER 2  
 JULY - AUGUST 2004  
 JPL Proprietary Laboratory  
 Pasadena, California



VVC#1  
 7/7/04 0.1  
 8/19/04 1.3  
 9/7/04 2.3

VVC#2  
 7/7/04 ---  
 8/19/04 ---

VVC#3  
 7/7/04 2.2  
 8/19/04 2.8

VVC#4  
 7/7/04 1.5  
 8/19/04 2.1  
 9/7/04 3.6

MW-14  
 1: 0.5  
 2: 0.5  
 3: 0.5

MW-15  
 1: 0.5  
 2: 0.5  
 3: 0.5

MW-16  
 1: 0.5  
 2: 0.5  
 3: 0.5

MW-17  
 1: 0.5  
 2: 0.5  
 3: 0.5

MW-18  
 1: 0.5  
 2: 0.5  
 3: 0.5

MW-19  
 1: 1.4  
 2: 1.4  
 3: 1.5

MW-20  
 1: ---  
 2: ---  
 3: ---

MW-4  
 1: 1.1  
 2: 1.1  
 3: 1.4

MW-5  
 1: 0.6  
 2: 0.6  
 3: 0.6

MW-6  
 1: 0.6  
 2: 0.6  
 3: 0.6

MW-7  
 1: 0.6  
 2: 0.6  
 3: 0.6

MW-8  
 1: 0.6  
 2: 0.6  
 3: 0.6

MW-9  
 1: 0.6  
 2: 0.6  
 3: 0.6

MW-10  
 1: 0.6  
 2: 0.6  
 3: 0.6

MW-11  
 1: 0.6  
 2: 0.6  
 3: 0.6

MW-12  
 1: 0.6  
 2: 0.6  
 3: 0.6

MW-13  
 1: 0.6  
 2: 0.6  
 3: 0.6

MW-21  
 1: 2.9  
 2: 2.9  
 3: 2.7

LAWC#5  
 7/15/04 ---  
 8/13/04 ---  
 9/7/04 ---

LAWC#6  
 7/15/04 ---  
 8/13/04 ---  
 9/7/04 ---

LAWC#7  
 7/15/04 ---  
 8/13/04 ---  
 9/7/04 ---

LAWC#8  
 7/15/04 ---  
 8/13/04 ---  
 9/7/04 ---

LAWC#9  
 7/15/04 ---  
 8/13/04 ---  
 9/7/04 ---

LAWC#10  
 7/15/04 ---  
 8/13/04 ---  
 9/7/04 ---

LAWC#11  
 7/15/04 ---  
 8/13/04 ---  
 9/7/04 ---

LAWC#12  
 7/15/04 ---  
 8/13/04 ---  
 9/7/04 ---

LAWC#13  
 7/15/04 ---  
 8/13/04 ---  
 9/7/04 ---

LAWC#14  
 7/15/04 ---  
 8/13/04 ---  
 9/7/04 ---

LAWC#15  
 7/15/04 ---  
 8/13/04 ---  
 9/7/04 ---

LAWC#16  
 7/15/04 ---  
 8/13/04 ---  
 9/7/04 ---

LAWC#17  
 7/15/04 ---  
 8/13/04 ---  
 9/7/04 ---

LAWC#18  
 7/15/04 ---  
 8/13/04 ---  
 9/7/04 ---

LAWC#19  
 7/15/04 ---  
 8/13/04 ---  
 9/7/04 ---

LAWC#20  
 7/15/04 ---  
 8/13/04 ---  
 9/7/04 ---

LCID#6  
 7/7/04 0.1  
 8/19/04 1.3  
 9/7/04 2.3

LCID#7  
 7/7/04 0.1  
 8/19/04 1.3  
 9/7/04 2.3

LCID#8  
 7/7/04 0.1  
 8/19/04 1.3  
 9/7/04 2.3

LCID#9  
 7/7/04 0.1  
 8/19/04 1.3  
 9/7/04 2.3

LCID#10  
 7/7/04 0.1  
 8/19/04 1.3  
 9/7/04 2.3

LCID#11  
 7/7/04 0.1  
 8/19/04 1.3  
 9/7/04 2.3

LCID#12  
 7/7/04 0.1  
 8/19/04 1.3  
 9/7/04 2.3

LCID#13  
 7/7/04 0.1  
 8/19/04 1.3  
 9/7/04 2.3

LCID#14  
 7/7/04 0.1  
 8/19/04 1.3  
 9/7/04 2.3

LCID#15  
 7/7/04 0.1  
 8/19/04 1.3  
 9/7/04 2.3

LCID#16  
 7/7/04 0.1  
 8/19/04 1.3  
 9/7/04 2.3

LCID#17  
 7/7/04 0.1  
 8/19/04 1.3  
 9/7/04 2.3

LCID#18  
 7/7/04 0.1  
 8/19/04 1.3  
 9/7/04 2.3

LCID#19  
 7/7/04 0.1  
 8/19/04 1.3  
 9/7/04 2.3

LCID#20  
 7/7/04 0.1  
 8/19/04 1.3  
 9/7/04 2.3

LFWC#2  
 7/6/04 5.1  
 8/23/04 5.9  
 7/12/04 5.5  
 8/30/04 5.2  
 7/19/04 5.4  
 9/7/04 5.7  
 7/28/04 6.0  
 9/13/04 5.7  
 8/2/04 5.4  
 9/20/04 5.2  
 8/9/04 5.4  
 9/27/04 5.8  
 8/16/04 5.6