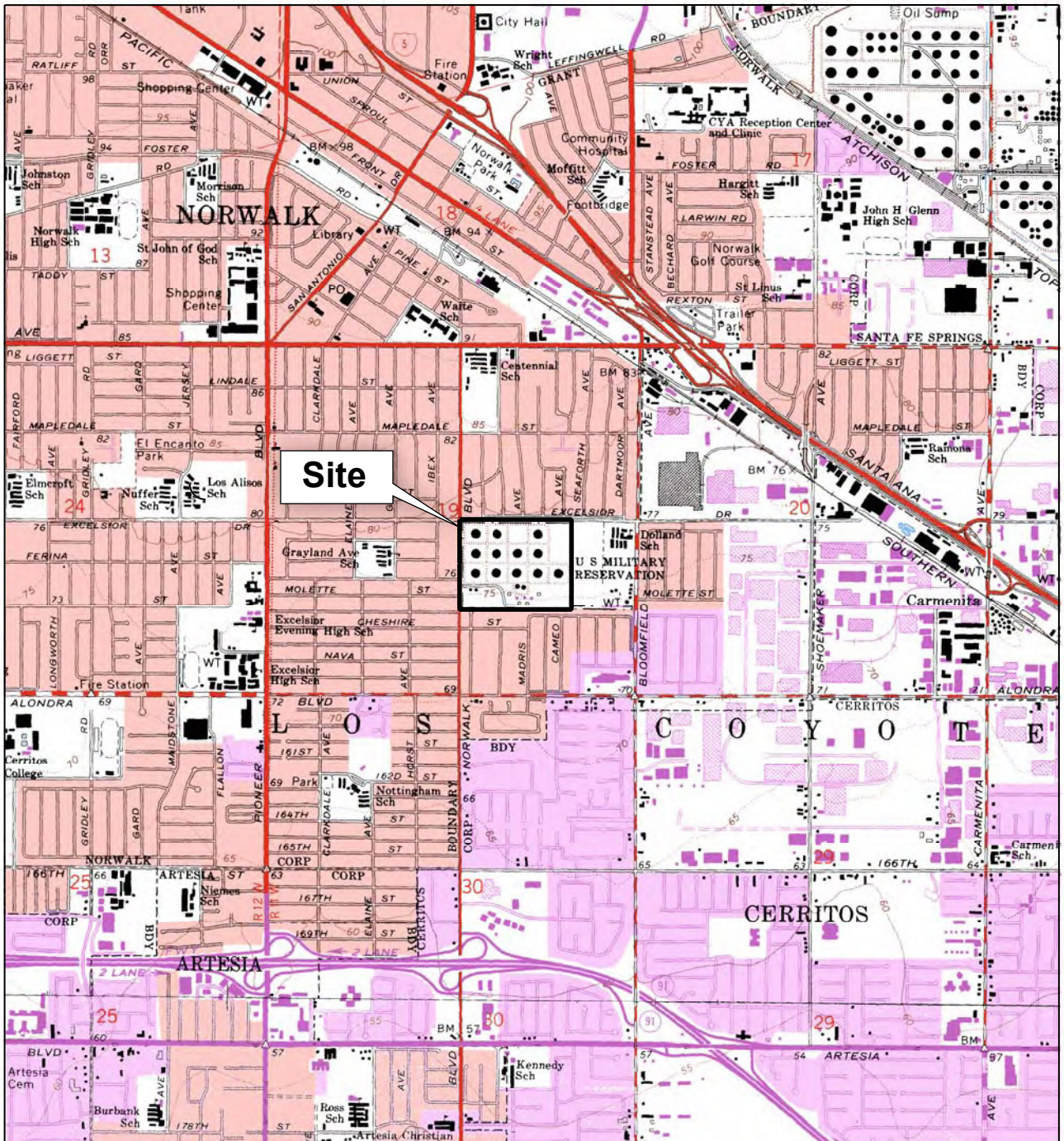
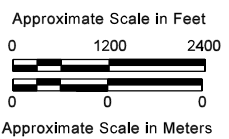


## Figures

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Site



SITE LOCATION MAP

DFSP NORWALK  
Norwalk, California

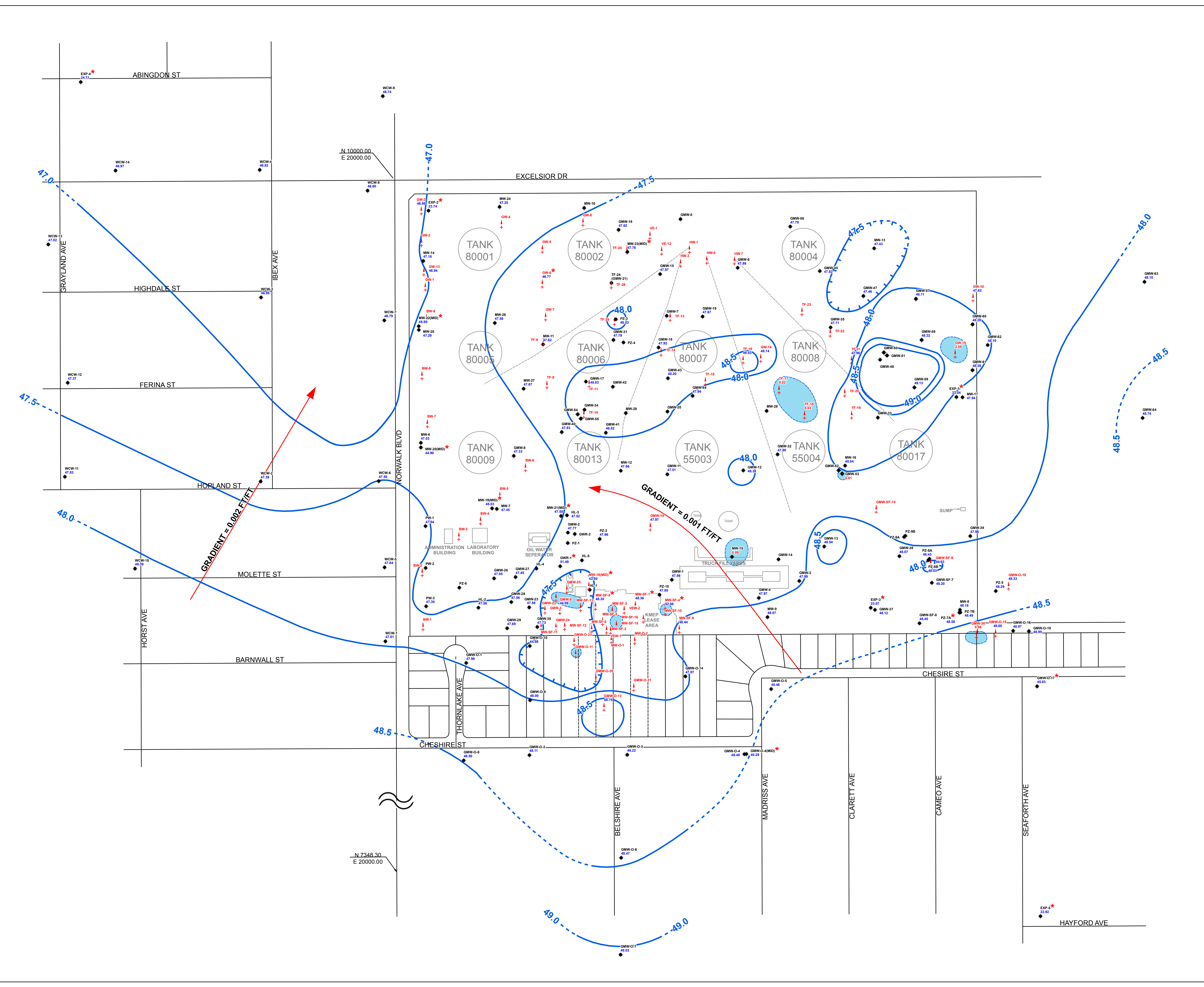
By: Andy Vollmar      Date: July 21, 2010      Project No: 407609



Figure 1

BASEMAP MODIFIED FROM U.S.G.S. 7.5 MINUTE QUADRANGLE MAP  
LOS ALAMITOS 1964, CALIFORNIA, PHOTO-REVISED 1981.  
WHITTIER 1965, CALIFORNIA, PHOTO-REVISED 1981.

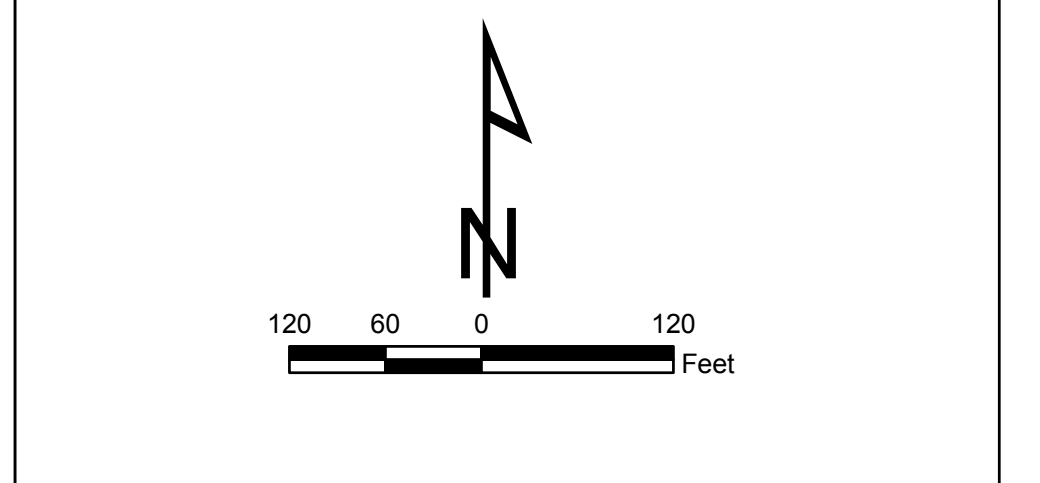




- ### Explanation
- GMW-5 ● Monitoring well used for sample collection and/or water level measurement
  - VE-1 ↓ Vapor extraction, groundwater extraction, total fluids, or free product extraction well used for site remediation
  - GMW-47 ● Groundwater elevation in feet above mean sea level (MSL)  
47.46
  - GMW-36 ↓ Apparent thickness of free product measured in well (feet)  
0.06
  - MW-22(MID)\* ● Groundwater elevation not used in contouring (see Note 2)  
45.95
  - 48.0 — Lines of equal groundwater elevation showing groundwater elevation in feet above MSL (dashed where inferred)
  - Approximate direction of ground water flow
  - Estimated extent of measurable light nonaqueous phase hydrocarbons (LNAPL, free product) on groundwater; dashed where inferred

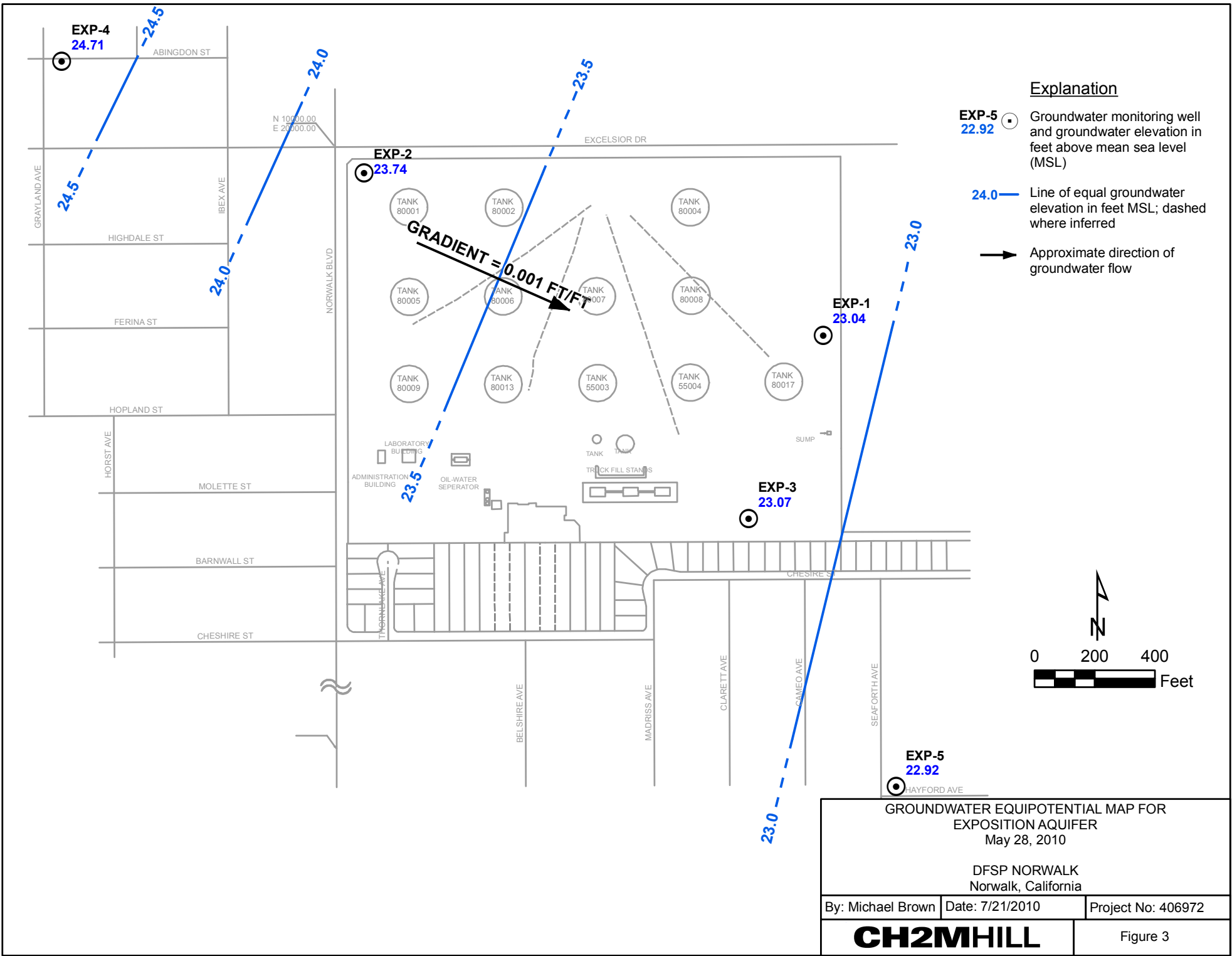
- ### Notes
1. Groundwater elevations shown at wells are based on data collected by Blaine Tech Services, Inc. (Blaine Tech), on behalf of SFPD on May 28, 2010, and DESC on April 12, 2010.
  2. Wells screened in the Exposition aquifer or near the bottom of the uppermost aquifer are not used in contouring. Groundwater elevation contours are intended to represent generalized site-wide conditions and are interpreted from data collected by Blaine Tech. Wells with groundwater elevations not used in contouring are marked with a red asterisk (\*).
  3. DESC's groundwater extraction system was in operation during Blaine Tech's gauging activities on May 28, 2010.
  4. Product levels in wells TF-17, TF-18, and GMW-53 were measured on April 8, 2010. The product level in GW-15 was measured on April 12, 2010. Product levels in MW-15 and GMW-36 were measured on May 28, 2010.

- ### Survey Notes
1. Base map prepared from data provided by Fluor Daniel GTI, Dulin & Boynton, Geomatrix, and Parsons.
  2. Except as noted below, well locations surveyed by Dulin & Boynton
  3. Locations of wells HL-1, HL-3, and HL-4 based on field measurements of Fluor Daniel GTE and Woodward-Clyde.
  4. Locations of wells BW-1 through BW-9 surveyed by Geomatrix based on reference to other wells surveyed by Dulin & Boynton.



**GROUNDWATER ELEVATIONS AND MEASURABLE LIQUID-PHASE HYDROCARBONS IN UPPERMOST GROUNDWATER ZONE**  
 April/May 2010  
 DFSP NORWALK  
 Norwalk, California

By: Michael Brown    Date: 7/21/2010    Project No: 406972



**Explanation**

- EXP-5** 22.92 Groundwater monitoring well and groundwater elevation in feet above mean sea level (MSL)
- 24.0** Line of equal groundwater elevation in feet MSL; dashed where inferred
- Approximate direction of groundwater flow

GROUNDWATER EQUIPOTENTIAL MAP FOR  
EXPOSITION AQUIFER  
May 28, 2010

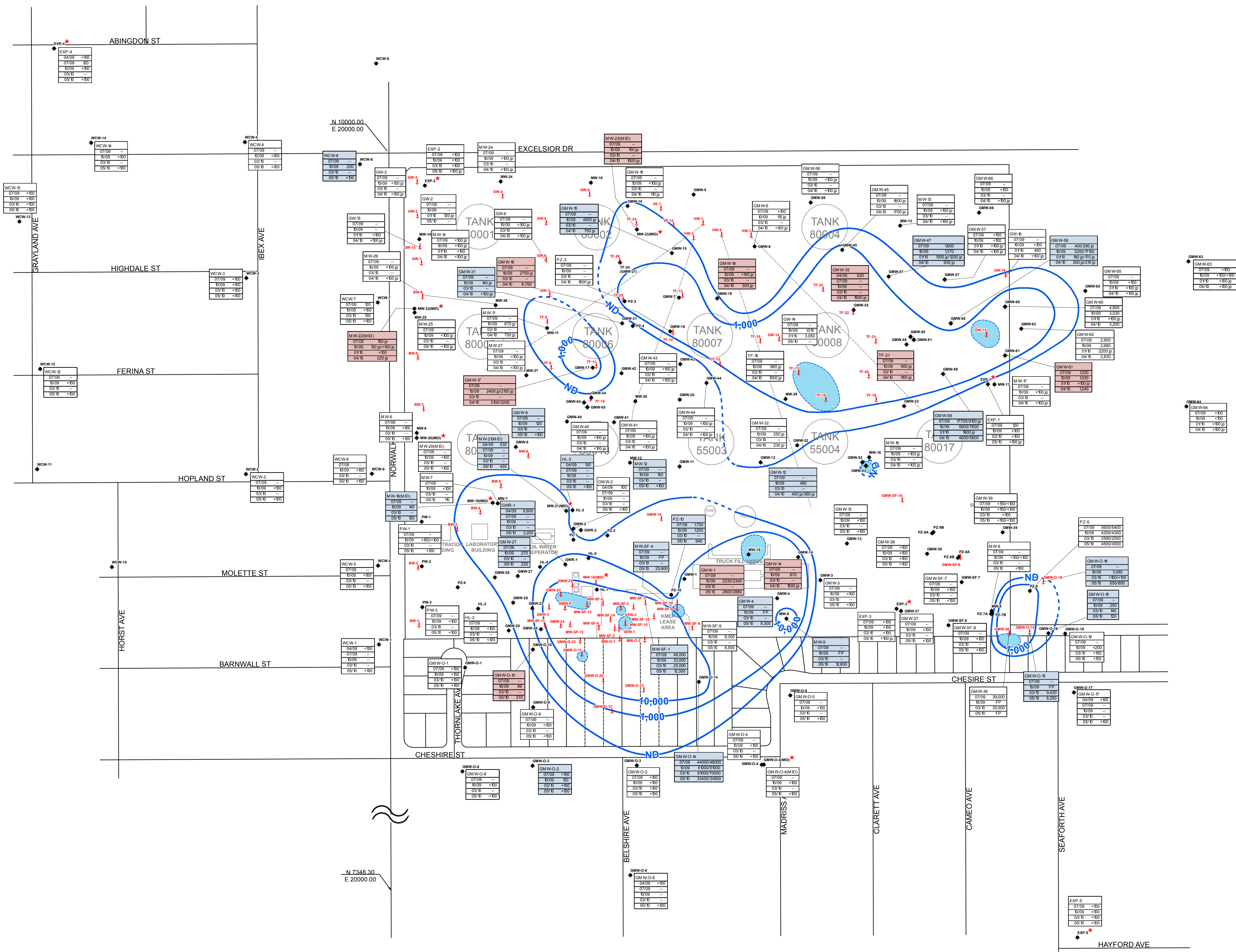
DFSP NORWALK  
Norwalk, California

By: Michael Brown | Date: 7/21/2010 | Project No: 406972

**CH2MHILL**

Figure 3





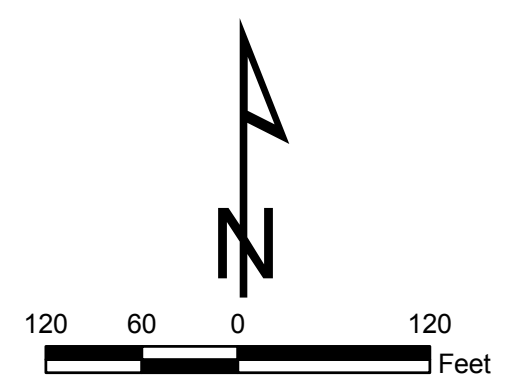
### Explanation

- GMW-5 ◆ Monitoring well and designation
- VE-1 ↓ Vapor extraction, groundwater extraction, total fluids, or free product extraction well used for site remediation
- GMW-6  
07/09 --  
10/09 <100  
03/10 --  
05/10 <100
- GMW-6  
07/09 --  
10/09 99  
03/10 --  
05/10 <100
- GMW-6  
07/09 --  
10/09 250  
03/10 --  
05/10 <100
- Where the databox is shown in red, the concentration of TPH (or TPH<sub>p</sub>) where TPH<sub>p</sub> was not analyzed) has increased by 10% or more at that location since the previous semi-annual monitoring event.
- Where the databox is shown in blue, the concentration of TPH (or TPH<sub>p</sub>) where TPH<sub>p</sub> was not analyzed) has decreased by 10% or more at that location since the previous semi-annual monitoring event.
- <100 jg TPH results include only TPH<sub>p</sub> results and are marked with "jg".
- <100 Not detected at or above laboratory reporting limit shown
- Not sampled/not analyzed
- fp Not sampled/not analyzed due to presence of free product
- <100/<100 Primary sample analytical result/duplicate sample analytical result (µg/L)
- MW-22(MID)\* Wells screened in the Exposition aquifer or near the bottom of the uppermost aquifer are not used in contouring

- ND --- Estimated extent of detected dissolved TPH in groundwater (concentration dependent on laboratory reporting limit); dashed where inferred
- 1,000 --- Lines of equal TPH concentration (µg/L) in groundwater; dashed where inferred
- Estimated extent of measurable light nonaqueous phase hydrocarbons (LNAPL, free product) on groundwater; dashed where inferred

### Survey Notes

1. Base map prepared from data provided by Fluor Daniel GTI, Duin & Boynton, Geomatrix, and Parsons.
2. Except as noted below, well locations surveyed by Duin & Boynton
3. Locations of wells HL-1, HL-3, and HL-4 based on field measurements by Fluor Daniel GTE and Woodward-Clyde.
4. Locations of wells BW-1 through BW-9 surveyed by Geomatrix based on reference to other wells surveyed by Duin & Boynton.

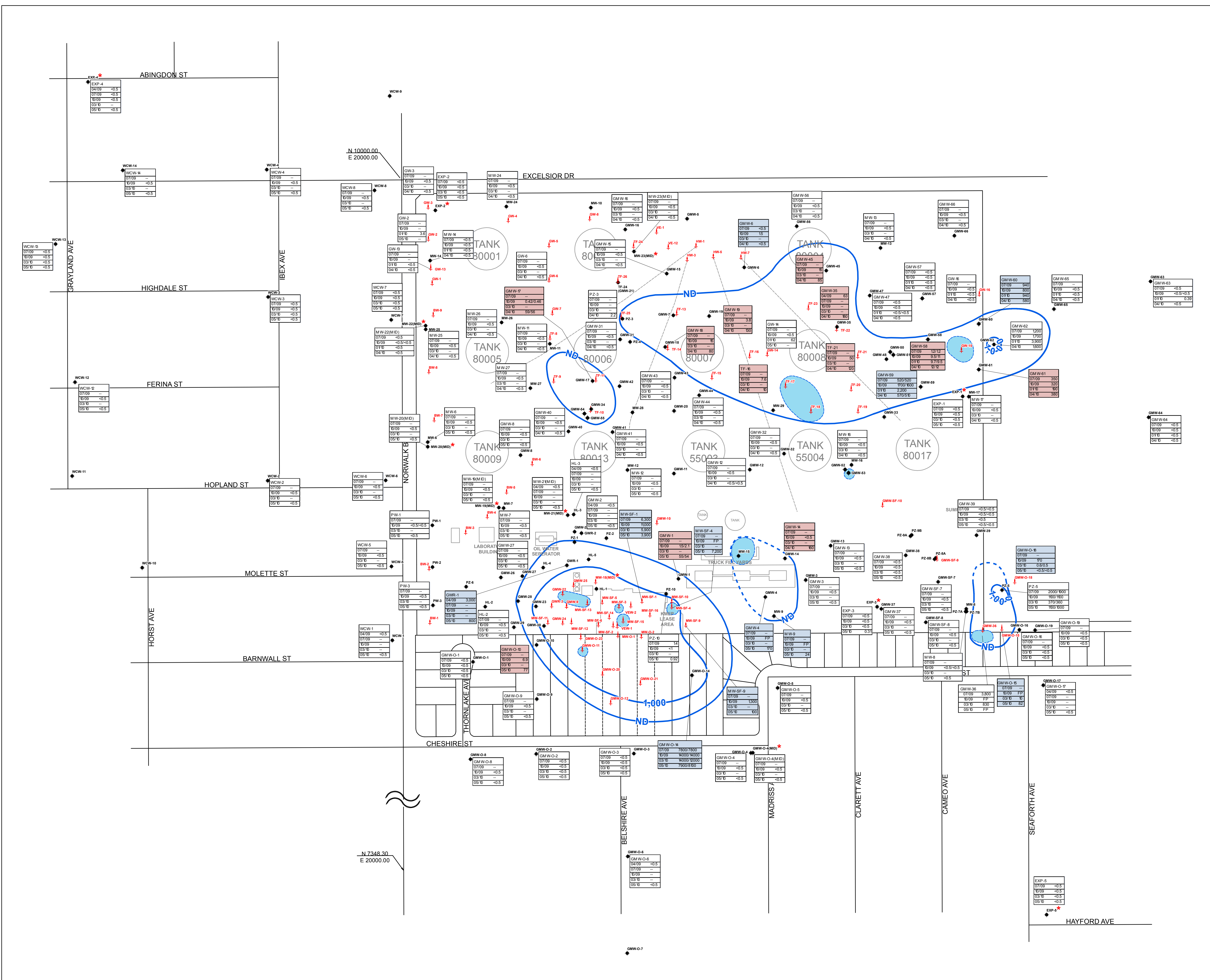


**TOTAL PETROLEUM HYDROCARBONS IN UPPERMOST GROUNDWATER ZONE**  
April/May 2010

DFSP NORWALK  
Norwalk, California

By: Michael Brown    Date: 7/21/2010    Project No: 406972



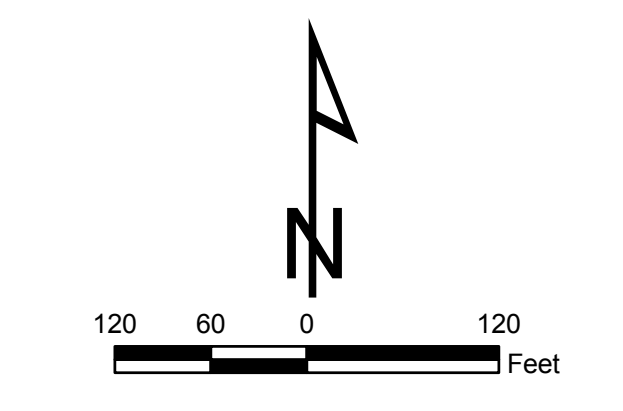


**Explanation**

- GMW-5 ◆ Monitoring well and designation
- VE-1 ↓ Vapor extraction, groundwater extraction, total fluids, or free product extraction well used for site remediation
- PZ-3 Benzene results in micrograms per liter (µg/L) for the two most recent semi-annual and sentry events; where the databox is shown in white, the concentration of benzene has remained similar (concentration change is less than 10%) at that location since the previous semi-annual monitoring event, or the dataset shown does not provide a basis for comparison.
- TF-21 Where the databox is shown in red, the concentration of benzene has increased by 10% or more at that location since the previous semi-annual monitoring event.
- GMW-60 Where the databox is shown in blue, the concentration of benzene has decreased by 10% or more at that location since the previous semi-annual monitoring event.
- <0.5 Not detected at or above laboratory reporting limit shown
- Not sampled/not analyzed
- FP Not sampled/not analyzed due to presence of free product
- <0.5/<0.5 Primary sample analytical result/duplicate sample analytical result (µg/L)
- MW-22(MID)\* Wells screened in the Exposition aquifer or near the bottom of the uppermost aquifer are not used in contouring
- ND — Estimated extent of detected dissolved benzene in groundwater (concentration dependent on laboratory reporting limit); dashed where inferred
- 1,000 — Lines of equal benzene concentration (µg/L) in groundwater; dashed where inferred
- Estimated extent of measurable light nonaqueous phase hydrocarbons (LNAPL, free product) on groundwater; dashed where inferred

**Survey Notes**

1. Base map prepared from data provided by Fluor Daniel GTI, Dulin & Boynton, Geomatrix, and Parsons.
2. Except as noted below, well locations surveyed by Dulin & Boynton
3. Locations of wells HL-1, HL-3, and HL-4 based on field measurements by Fluor Daniel GTE and Woodward-Clyde.
4. Locations of wells BW-1 through BW-9 surveyed by Geomatrix based on reference to other wells surveyed by Dulin & Boynton.

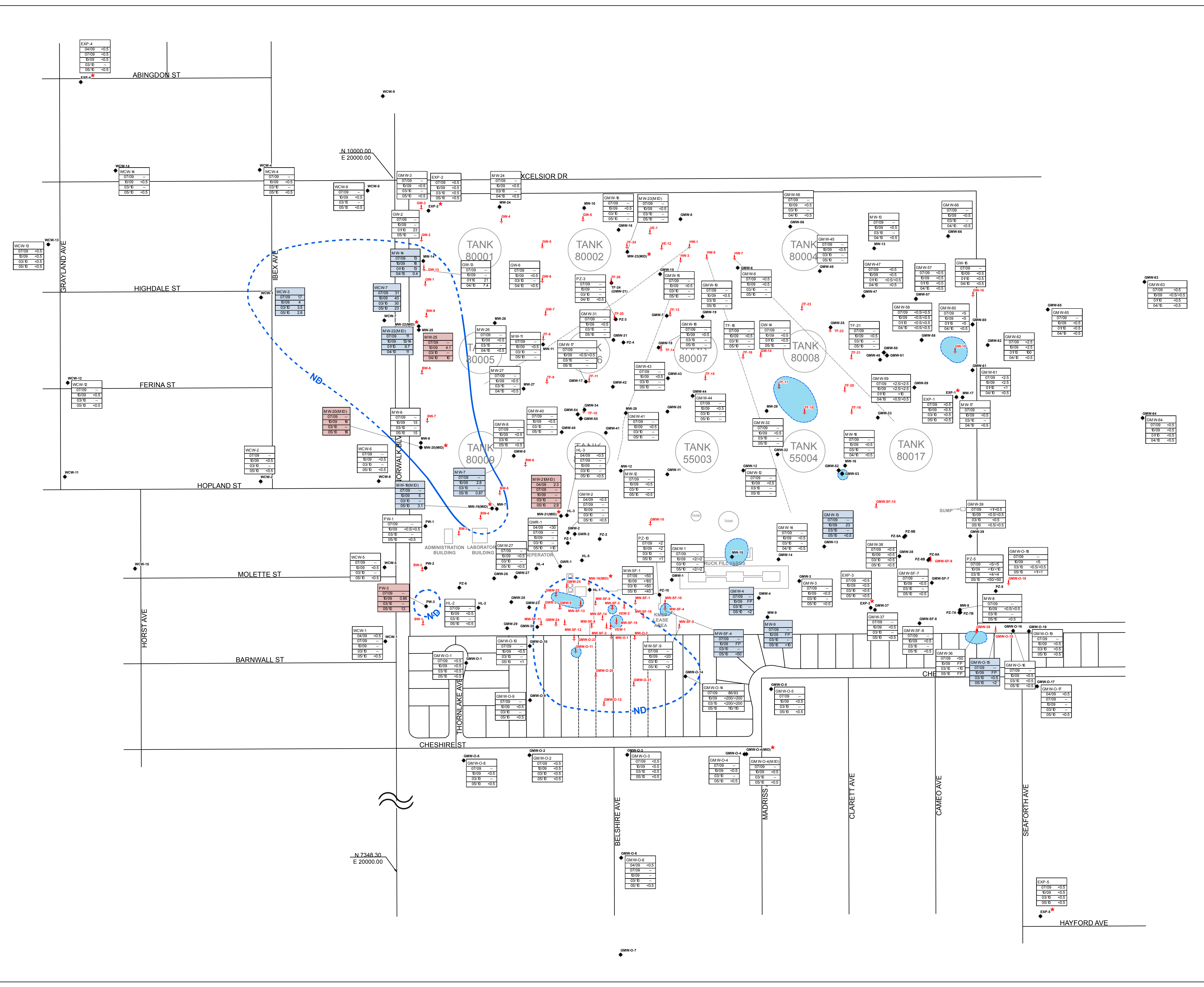


BENZENE IN UPPERMOST GROUNDWATER ZONE  
April/May 2010

DFSP NORWALK  
Norwalk, California

By: Michael Brown Date: 7/21/2010 Project No: 406972





- ### Explanation
- GMW-5 Monitoring well and designation
  - VE-1 Vapor extraction, groundwater extraction, total fluids, or free product extraction well used for site remediation
  - 1,2-DCA results in micrograms per liter (µg/L) for the two most recent semi-annual and sentry events; where the databox is shown in white, the concentration of 1,2-DCA has remained similar (concentration change is less than 10%) at that location since the previous semi-annual monitoring event, or the dataset shown does not provide a basis for comparison.
  - Where the databox is shown in red, the concentration of 1,2-DCA has increased by 10% or more at that location since the previous semi-annual monitoring event.
  - Where the databox is shown in blue, the concentration of 1,2-DCA has decreased by 10% or more at that location since the previous semi-annual monitoring event.
  - <0.5 Not detected at or above laboratory reporting limit.
  - Not sampled/not analyzed
  - FP Not sampled/not analyzed due to presence of free product
  - <0.5/<0.5 Primary sample analytical result/duplicate sample analytical result (µg/L)
  - MW-22(MID)\* Wells screened in the Exposition aquifer or near the bottom of the uppermost aquifer are not used in contouring
  - ND Estimated extent of detected dissolved 1,2-DCA in groundwater (concentration dependent on laboratory reporting limit); dashed where inferred
  - Estimated extent of measurable light nonaqueous phase hydrocarbons (LNAPL, free product) on groundwater; dashed where inferred

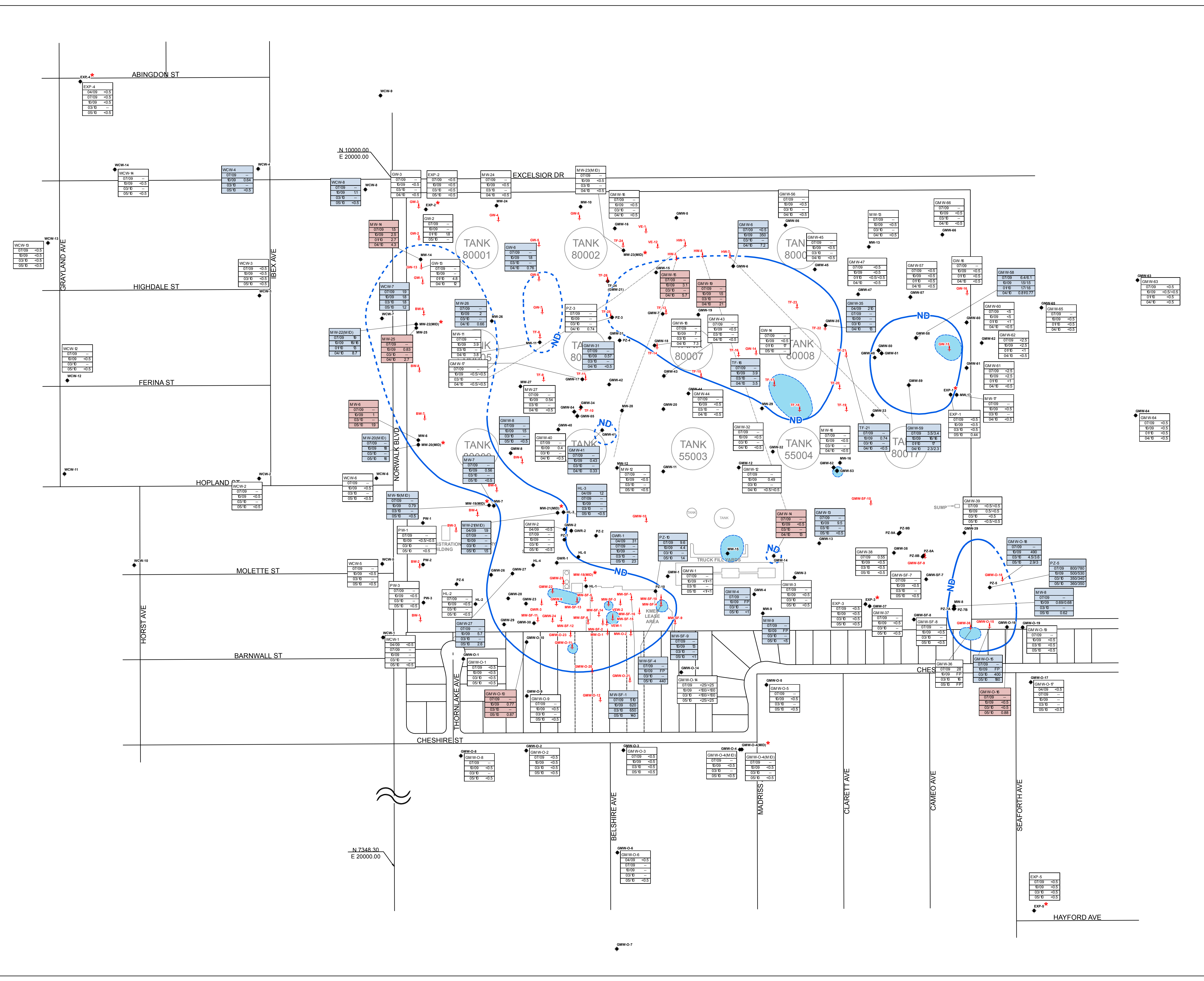
- ### Survey Notes
- Base map prepared from data provided by Fluor Daniel GTI, Dulin & Boynton, Geomatrix, and Parsons.
  - Except as noted below, well locations surveyed by Dulin & Boynton
  - Locations of wells HL-1, HL-3, and HL-4 based on field measurements by Fluor Daniel GTE and Woodward-Clyde.
  - Locations of wells BW-1 through BW-9 surveyed by Geomatrix based on reference to other wells surveyed by Dulin & Boynton.

1,2-DICHLOROETHANE IN UPPERMOST GROUNDWATER ZONE  
April/May 2010

DFSP NORWALK  
Norwalk, California

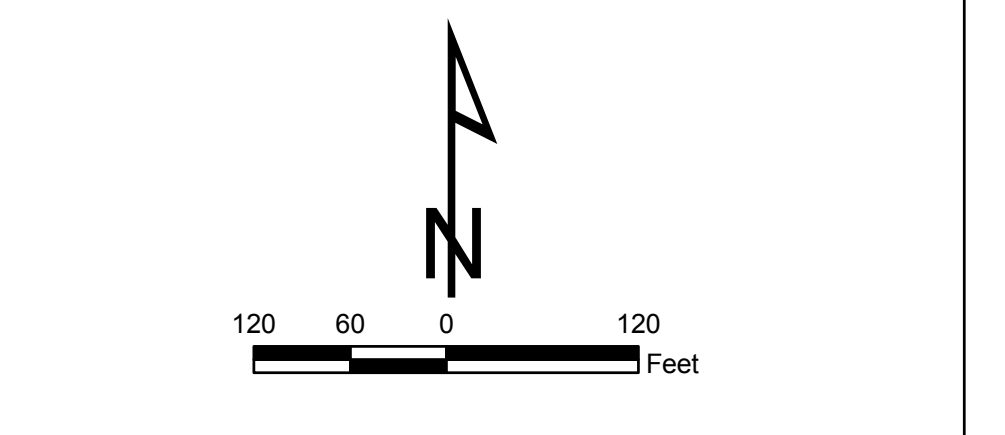
By: Michael Brown Date: 7/21/2010 Project No: 406972





- ### Explanation
- GMW-5 ◆ Monitoring well and designation
  - VE-1 ↓ Vapor extraction, groundwater extraction, total fluids, or free product extraction well used for site remediation
  - |        |       |      |
|--------|-------|------|
| GMW-64 | 07/09 | <0.5 |
|        | 03/10 | <0.5 |
|        | 01/10 | <0.5 |
|        | 04/10 | <0.5 |
  - |       |       |      |
|-------|-------|------|
| GMW-6 | 07/09 | <0.5 |
|       | 03/10 | 3.1  |
|       | 04/10 | 5.7  |
  - |         |       |       |
|---------|-------|-------|
| GMW-0-B | 07/09 | <0.5  |
|         | 03/10 | 480   |
|         | 03/10 | 423.5 |
|         | 05/10 | 2.93  |
  - <0.5 Not detected at or above laboratory reporting limit.
  - Not sampled/not analyzed
  - FP Not sampled/not analyzed due to presence of free product
  - <0.5/<0.5 Primary sample analytical result/duplicate sample analytical result (µg/L)
  - MW-22(MID)★ Wells screened in the Exposition aquifer or near the bottom of the uppermost aquifer are not used in contouring
  - ND --- Estimated extent of detected dissolved MTBE in groundwater (concentration dependent on laboratory reporting limit); dashed where inferred
  - 1,000 --- Lines of equal MTBE concentration (µg/L) in groundwater; dashed where inferred
  - Estimated extent of measurable light nonaqueous phase hydrocarbons (LNAPL, free product) on groundwater; dashed where inferred

- ### Survey Notes
- Base map prepared from data provided by Fluor Daniel GTI, Dulin & Boynton, Geomatrix, and Parsons.
  - Except as noted below, well locations surveyed by Dulin & Boynton
  - Locations of wells HL-1, HL-3, and HL-4 based on field measurements by Fluor Daniel GTE and Woodward-Clyde.
  - Locations of wells BW-1 through BW-9 surveyed by Geomatrix based on reference to other wells surveyed by Dulin & Boynton.

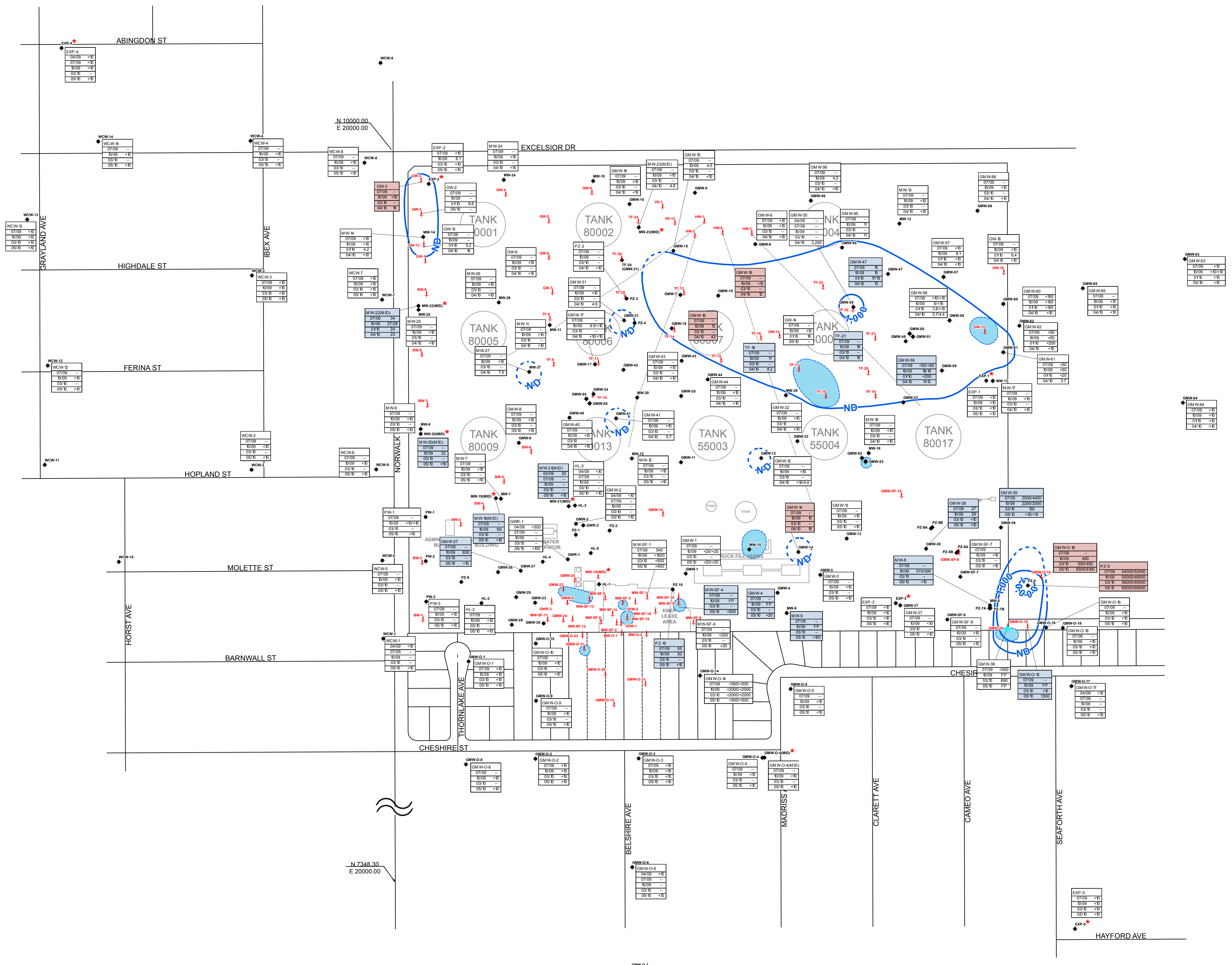


METHYL TERTIARY BUTYL ETHER IN UPPERMOST GROUNDWATER ZONE  
 April/May 2010

DFSP NORWALK  
 Norwalk, California

By: Michael Brown    Date: 7/21/2010    Project No: 406972





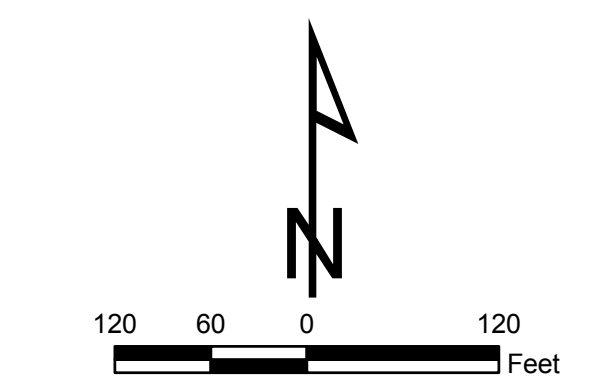
### Explanation

- GMW-5 ◆ Monitoring well and designation
- VE-1 ↓ Vapor extraction, groundwater extraction, total fluids, or free product extraction well used for site remediation
- |        |       |    |
|--------|-------|----|
| GMW-45 | 07/09 | <0 |
|        | 10/09 | 11 |
|        | 03/10 | <0 |
|        | 04/10 | 11 |
- |        |       |     |
|--------|-------|-----|
| GMW-56 | 07/09 | <0  |
|        | 10/09 | 4.2 |
|        | 03/10 | <0  |
|        | 04/10 | <0  |
- |        |       |        |
|--------|-------|--------|
| GMW-59 | 07/09 | <50-50 |
|        | 10/09 | 15.8   |
|        | 03/10 | <20    |
|        | 04/10 | 19.8   |
- <0.5 Not detected at or above laboratory reporting limit shown
- Not sampled/not analyzed
- FP Not sampled/not analyzed due to presence of free product
- <10/<10 Primary sample analytical result/duplicate sample analytical result (µg/L)
- MW-22(MID)\* Wells screened in the Exposition aquifer or near the bottom of the uppermost aquifer are not used in contouring
- ND — Estimated extent of detected dissolved TBA in groundwater (concentration dependent on laboratory reporting limit); dashed where inferred
- 1000 — Lines of equal TBA concentration (µg/L) in groundwater; dashed where inferred
- |        |       |    |
|--------|-------|----|
| GMW-64 | 07/09 | <0 |
|        | 10/09 | <0 |
|        | 03/10 | <0 |
|        | 04/10 | <0 |

- |        |       |    |
|--------|-------|----|
| GMW-65 | 07/09 | <0 |
|        | 10/09 | <0 |
|        | 03/10 | <0 |
|        | 04/10 | <0 |
- |        |       |    |
|--------|-------|----|
| GMW-66 | 07/09 | <0 |
|        | 10/09 | <0 |
|        | 03/10 | <0 |
|        | 04/10 | <0 |
- |        |       |    |
|--------|-------|----|
| GMW-67 | 07/09 | <0 |
|        | 10/09 | <0 |
|        | 03/10 | <0 |
|        | 04/10 | <0 |
- |        |       |    |
|--------|-------|----|
| GMW-68 | 07/09 | <0 |
|        | 10/09 | <0 |
|        | 03/10 | <0 |
|        | 04/10 | <0 |
- |        |       |    |
|--------|-------|----|
| GMW-69 | 07/09 | <0 |
|        | 10/09 | <0 |
|        | 03/10 | <0 |
|        | 04/10 | <0 |
- |        |       |    |
|--------|-------|----|
| GMW-70 | 07/09 | <0 |
|        | 10/09 | <0 |
|        | 03/10 | <0 |
|        | 04/10 | <0 |
- |        |       |    |
|--------|-------|----|
| GMW-71 | 07/09 | <0 |
|        | 10/09 | <0 |
|        | 03/10 | <0 |
|        | 04/10 | <0 |
- |        |       |    |
|--------|-------|----|
| GMW-72 | 07/09 | <0 |
|        | 10/09 | <0 |
|        | 03/10 | <0 |
|        | 04/10 | <0 |
- |        |       |    |
|--------|-------|----|
| GMW-73 | 07/09 | <0 |
|        | 10/09 | <0 |
|        | 03/10 | <0 |
|        | 04/10 | <0 |
- |        |       |    |
|--------|-------|----|
| GMW-74 | 07/09 | <0 |
|        | 10/09 | <0 |
|        | 03/10 | <0 |
|        | 04/10 | <0 |
- |        |       |    |
|--------|-------|----|
| GMW-75 | 07/09 | <0 |
|        | 10/09 | <0 |
|        | 03/10 | <0 |
|        | 04/10 | <0 |
- |        |       |    |
|--------|-------|----|
| GMW-76 | 07/09 | <0 |
|        | 10/09 | <0 |
|        | 03/10 | <0 |
|        | 04/10 | <0 |
- |        |       |    |
|--------|-------|----|
| GMW-77 | 07/09 | <0 |
|        | 10/09 | <0 |
|        | 03/10 | <0 |
|        | 04/10 | <0 |
- |        |       |    |
|--------|-------|----|
| GMW-78 | 07/09 | <0 |
|        | 10/09 | <0 |
|        | 03/10 | <0 |
|        | 04/10 | <0 |
- |        |       |    |
|--------|-------|----|
| GMW-79 | 07/09 | <0 |
|        | 10/09 | <0 |
|        | 03/10 | <0 |
|        | 04/10 | <0 |
- |        |       |    |
|--------|-------|----|
| GMW-80 | 07/09 | <0 |
|        | 10/09 | <0 |
|        | 03/10 | <0 |
|        | 04/10 | <0 |
- |        |       |    |
|--------|-------|----|
| GMW-81 | 07/09 | <0 |
|        | 10/09 | <0 |
|        | 03/10 | <0 |
|        | 04/10 | <0 |
- |        |       |    |
|--------|-------|----|
| GMW-82 | 07/09 | <0 |
|        | 10/09 | <0 |
|        | 03/10 | <0 |
|        | 04/10 | <0 |
- |        |       |    |
|--------|-------|----|
| GMW-83 | 07/09 | <0 |
|        | 10/09 | <0 |
|        | 03/10 | <0 |
|        | 04/10 | <0 |
- |        |       |    |
|--------|-------|----|
| GMW-84 | 07/09 | <0 |
|        | 10/09 | <0 |
|        | 03/10 | <0 |
|        | 04/10 | <0 |
- |        |       |    |
|--------|-------|----|
| GMW-85 | 07/09 | <0 |
|        | 10/09 | <0 |
|        | 03/10 | <0 |
|        | 04/10 | <0 |
- |        |       |    |
|--------|-------|----|
| GMW-86 | 07/09 | <0 |
|        | 10/09 | <0 |
|        | 03/10 | <0 |
|        | 04/10 | <0 |
- |        |       |    |
|--------|-------|----|
| GMW-87 | 07/09 | <0 |
|        | 10/09 | <0 |
|        | 03/10 | <0 |
|        | 04/10 | <0 |
- |        |       |    |
|--------|-------|----|
| GMW-88 | 07/09 | <0 |
|        | 10/09 | <0 |
|        | 03/10 | <0 |
|        | 04/10 | <0 |
- |        |       |    |
|--------|-------|----|
| GMW-89 | 07/09 | <0 |
|        | 10/09 | <0 |
|        | 03/10 | <0 |
|        | 04/10 | <0 |
- |        |       |    |
|--------|-------|----|
| GMW-90 | 07/09 | <0 |
|        | 10/09 | <0 |
|        | 03/10 | <0 |
|        | 04/10 | <0 |
- |        |       |    |
|--------|-------|----|
| GMW-91 | 07/09 | <0 |
|        | 10/09 | <0 |
|        | 03/10 | <0 |
|        | 04/10 | <0 |
- |        |       |    |
|--------|-------|----|
| GMW-92 | 07/09 | <0 |
|        | 10/09 | <0 |
|        | 03/10 | <0 |
|        | 04/10 | <0 |
- |        |       |    |
|--------|-------|----|
| GMW-93 | 07/09 | <0 |
|        | 10/09 | <0 |
|        | 03/10 | <0 |
|        | 04/10 | <0 |
- |        |       |    |
|--------|-------|----|
| GMW-94 | 07/09 | <0 |
|        | 10/09 | <0 |
|        | 03/10 | <0 |
|        | 04/10 | <0 |
- |        |       |    |
|--------|-------|----|
| GMW-95 | 07/09 | <0 |
|        | 10/09 | <0 |
|        | 03/10 | <0 |
|        | 04/10 | <0 |
- |        |       |    |
|--------|-------|----|
| GMW-96 | 07/09 | <0 |
|        | 10/09 | <0 |
|        | 03/10 | <0 |
|        | 04/10 | <0 |
- |        |       |    |
|--------|-------|----|
| GMW-97 | 07/09 | <0 |
|        | 10/09 | <0 |
|        | 03/10 | <0 |
|        | 04/10 | <0 |
- |        |       |    |
|--------|-------|----|
| GMW-98 | 07/09 | <0 |
|        | 10/09 | <0 |
|        | 03/10 | <0 |
|        | 04/10 | <0 |
- |        |       |    |
|--------|-------|----|
| GMW-99 | 07/09 | <0 |
|        | 10/09 | <0 |
|        | 03/10 | <0 |
|        | 04/10 | <0 |
- |         |       |    |
|---------|-------|----|
| GMW-100 | 07/09 | <0 |
|         | 10/09 | <0 |
|         | 03/10 | <0 |
|         | 04/10 | <0 |

### Survey Notes

1. Base map prepared from data provided by Fluor Daniel GTI, Dulin & Boynton, Geomatrix, and Parsons.
2. Except as noted below, well locations surveyed by Dulin & Boynton
3. Locations of wells HL-1, HL-3, and HL-4 based on field measurements by Fluor Daniel GTE and Woodward-Clyde.
4. Locations of wells BW-1 through BW-9 surveyed by Geomatrix based on reference to other wells surveyed by Dulin & Boynton.



TERTIARY BUTYL ALCOHOL IN  
UPPERMOST GROUNDWATER ZONE  
April/May 2010

DFSP NORWALK  
Norwalk, California

By: Michael Brown    Date: 7/21/2010    Project No: 406972