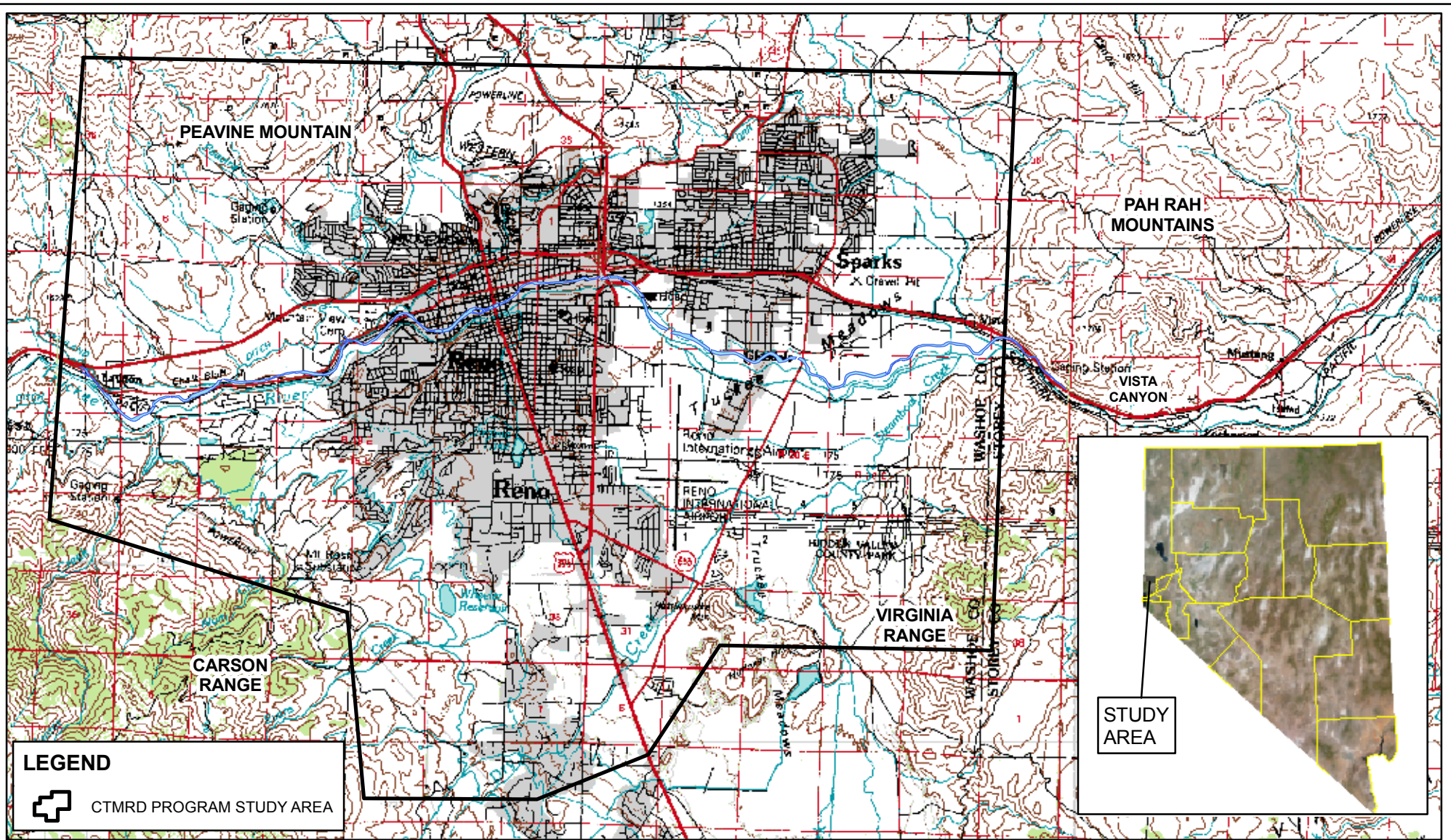
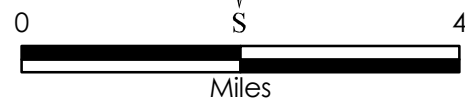




SOURCE:
USGS 7.5 Minute Quad Sheets;
Reno and Carson City, 1981



WASHOE COUNTY DWR



WorleyParsons Komex
resources & energy

CTMRD PROGRAM STUDY AREA LOCATION MAP

SWL	MT	03/2007
-----	----	---------

N0637B

1.1

LEGEND

WELLS

-  TMWA Well with PCE Detect
-  TMWA PCE Treated Well
-  Production Well
-  TMWA Monitoring Well
-  WCDWR Monitoring Well
-  Other Monitoring Wells
-  Key Well Selected for Trend Analysis

PCE USING BUSINESSES

-  Auto Paint
-  Auto Repair
-  Chemical Manufacturer
-  Drycleaner
-  Paint shop

-  CREEKS/RIVERS/SLOUGHS
-  DITCH/DRAIN
-  CANAL
-  BEDROCK ALLUVIUM CONTACT
-  STREETS
-  HYDROSTRATIGRAPHIC CROSS SECTION LINES
-  INFERRED FAULT
-  NEAR SURFACE GEOTHERMAL SOURCE AREA
-  GEOTHERMAL WATER AT DEPTH
-  WATER BODIES
-  SEWER INVESTIGATION SUBREGION
-  ALLUVIUM

WASHOE COUNTY DWR



WorleyParsons Komex

resources & energy

LEGEND PAGE

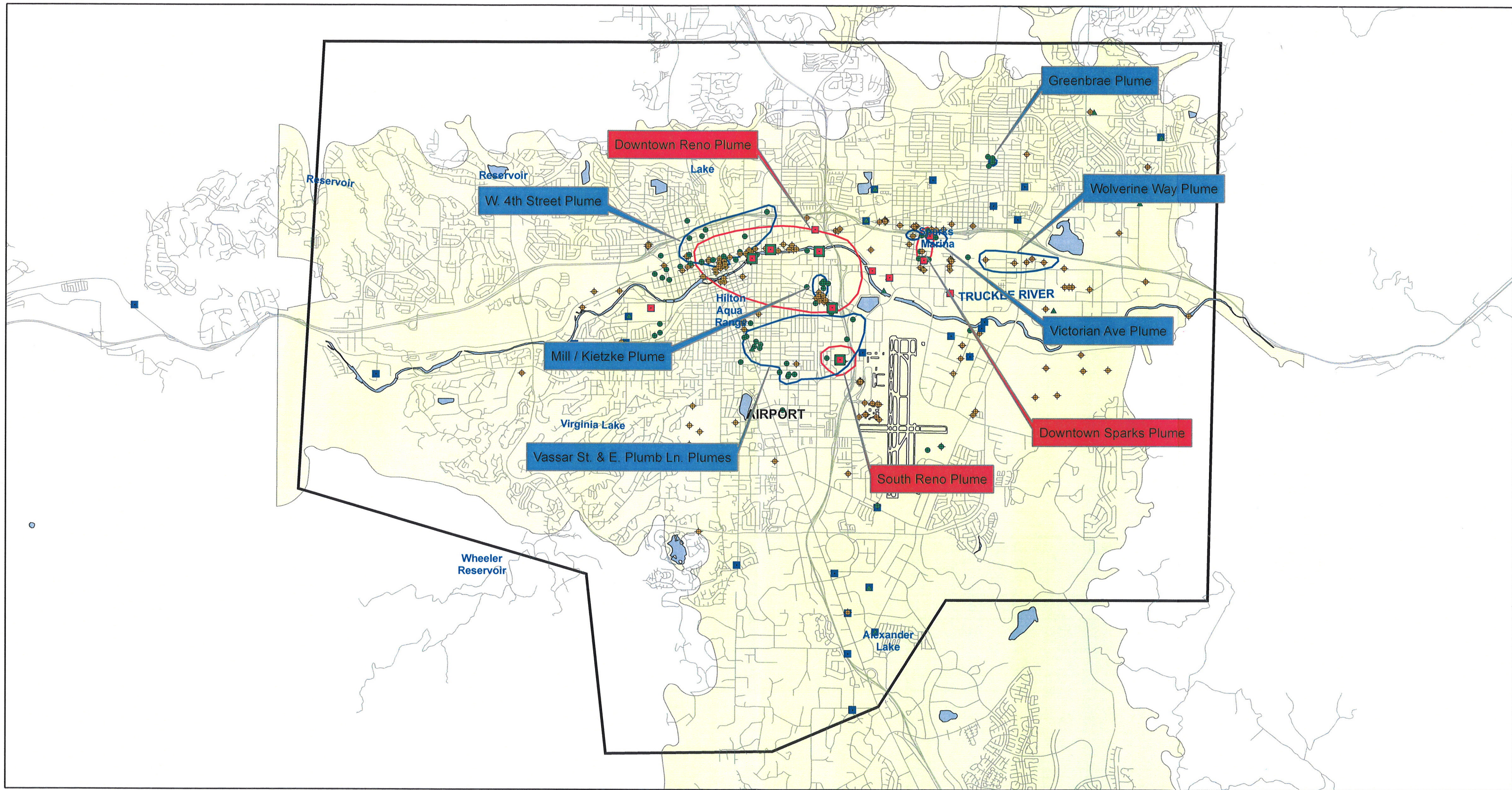
MB

MT

01/2007

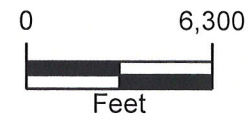
N0637B

1.2



LEGEND

- Streets
- Shallow Plumes
- Deep Plumes
- Study Area
- Bedrock - Alluvium Contact



WASHOE COUNTY DWR



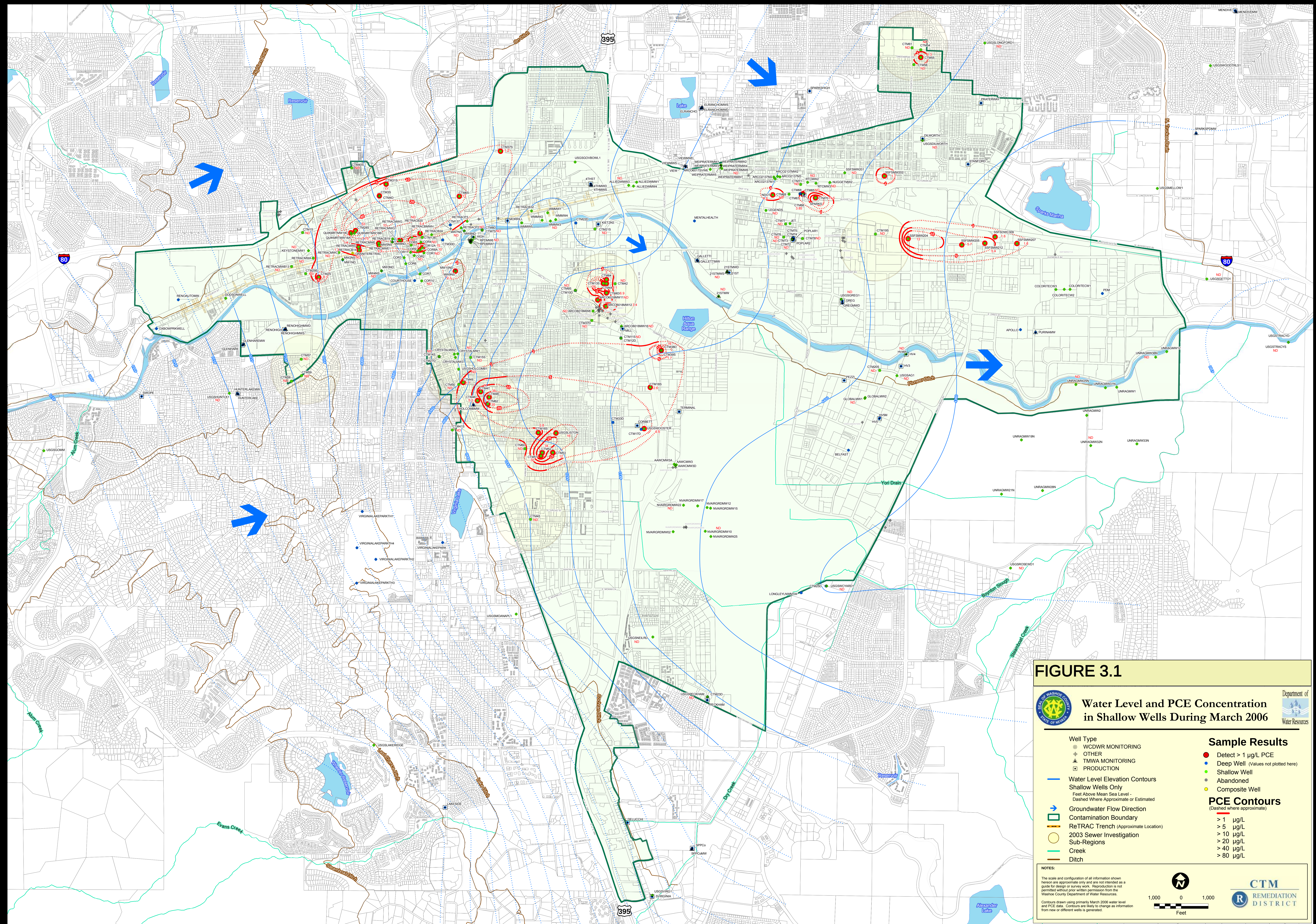
WorleyParsons Komex
resources & energy

PCE PLUME LOCATIONS AND DESIGNATIONS

MB	MT	01/2007
----	----	---------

N0637B

1.4



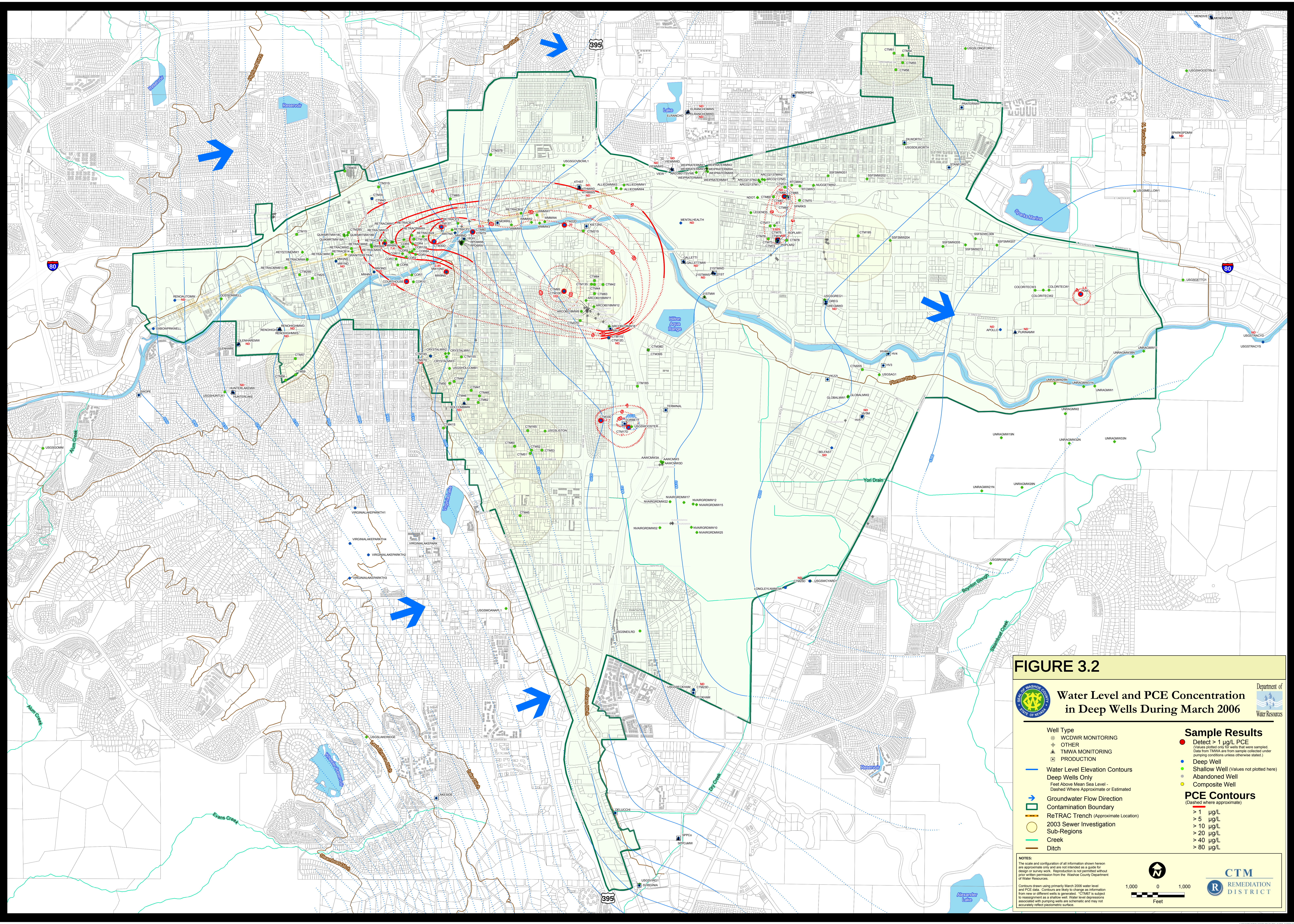


FIGURE 3.2

**Water Level and PCE Concentration
in Deep Wells During March 2006**

Well Type

Water Level Elevation Contours

Groundwater Flow Direction

Contamination Boundary

ReTRAC Trench (Approximate Location)

2003 Sewer Investigation Sub-Regions

Creek

Ditch

Sample Results

PCE Contours
(Dashed where approximate)

NOTES:

The scale and configuration of all information shown herein are approximate only and are not intended as a guide for design or survey work. Reproduction is not permitted without prior written permission from the Washoe County Department of Water Resources.

Contours drawn using primarily March 2006 water level and PCE data. Contours are likely to change as information from new or different wells is generated. "CTM67" is subject to reassignment as a shallow well. Water level depressions associated with pumping wells are schematic and may not accurately reflect piezometric surface.

CTM
REMEDIAL
DISTRICT

\\nas01\c\ctm\GIS\MapDocs\FIGURE 3.2.FINAL.ctb

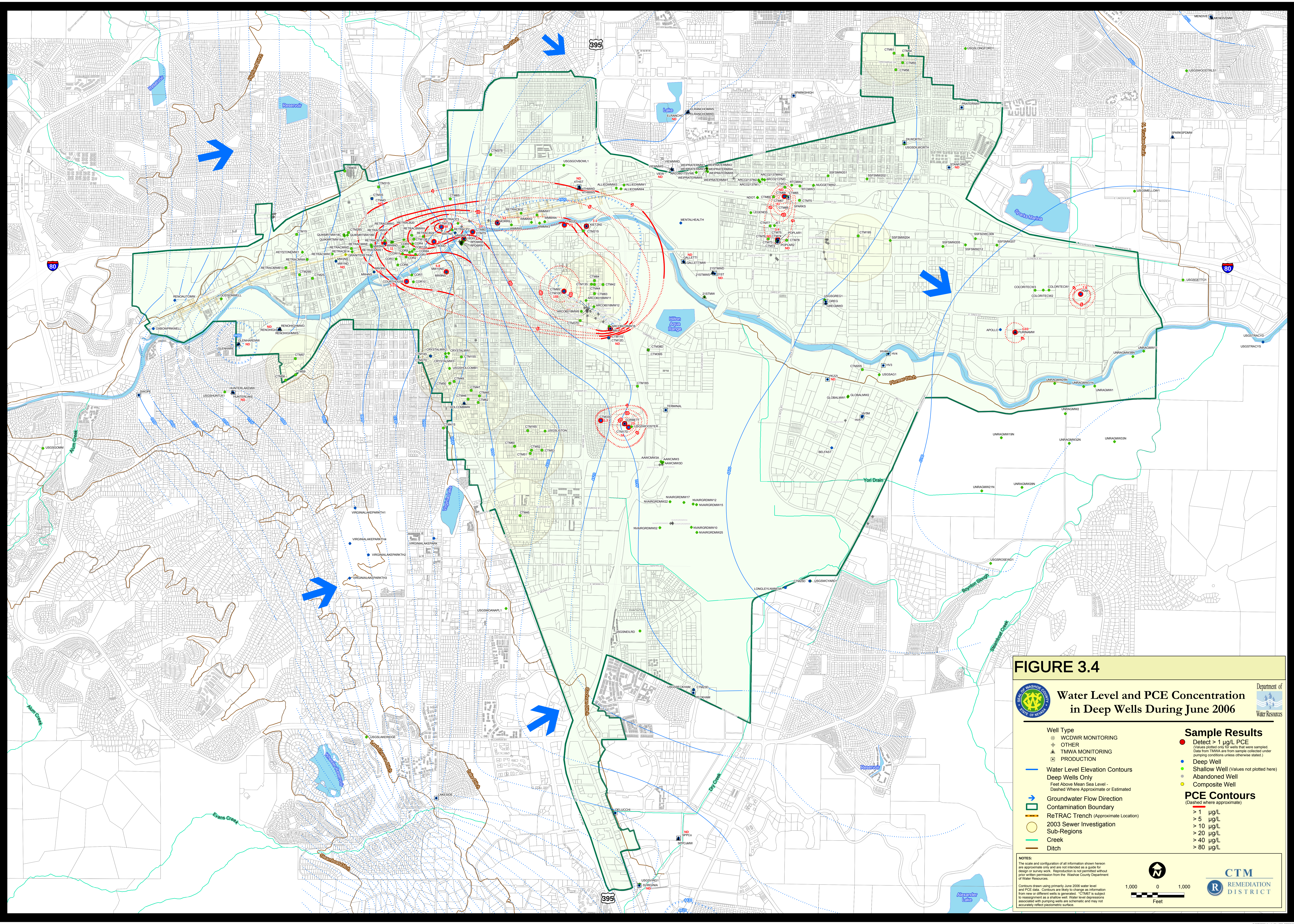
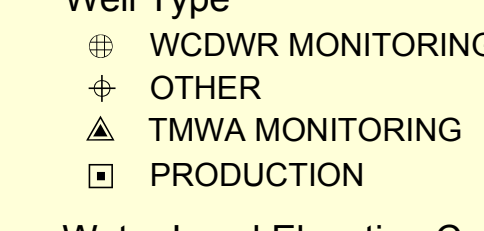
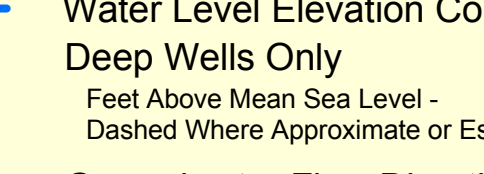


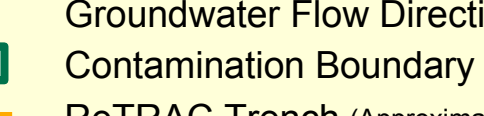


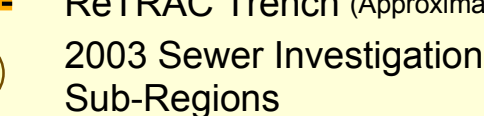
FIGURE 3.4
**Water Level and PCE Concentration
in Deep Wells During June 2006**

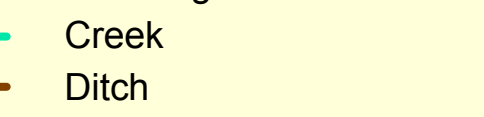


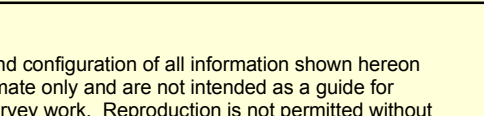
**Well Type**
WCDWR MONITORING
OTHER
TMWA MONITORING
PRODUCTION

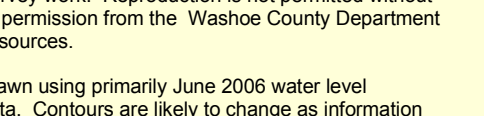
**Water Level Elevation Contours**
Deep Wells Only
Feet Above Mean Sea Level
Dashed Where Approximate or Estimated

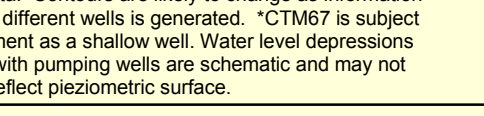
**Groundwater Flow Direction**

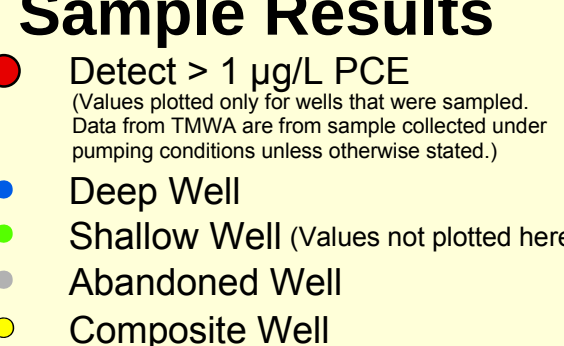
**Contamination Boundary**

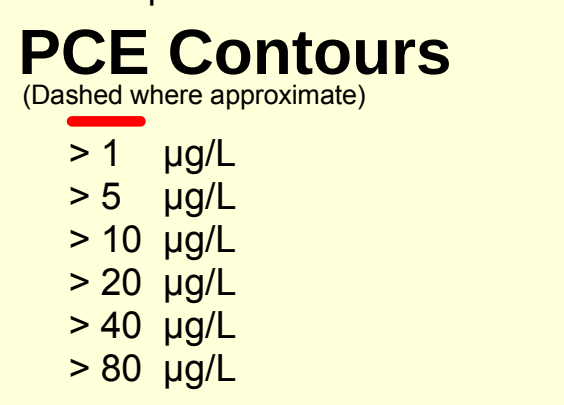
**ReTRAC Trench (Approximate Location)**

**2003 Sewer Investigation
Sub-Regions**

**Creek**

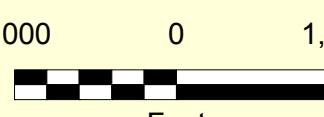
**Ditch**

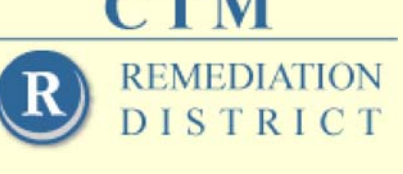
**Sample Results**
Detect > 1 µg/L PCE
(Values plotted only for wells that were sampled.
Data from TMWA are from sample collected under
pumping conditions unless otherwise stated.)
Deep Well
Shallow Well (Values not plotted here)
Abandoned Well
Composite Well

**PCE Contours**
(Dashed where approximate)
> 1 µg/L
> 5 µg/L
> 10 µg/L
> 20 µg/L
> 40 µg/L
> 80 µg/L

NOTES:
The scale and configuration of all information shown herein
are approximate only and are not intended as a guide for
design or survey work. Reproduction is not permitted without
prior written permission from the Washoe County Department
of Water Resources.

**Contours drawn using primarily June 2006 water level
and PCE data. Contours are likely to change as information
from new or different wells is generated. "CTM67" is subject
to reassignment as a shallow well. Water level depressions
associated with pumping wells are schematic and may not
accurately reflect piezometric surface.**





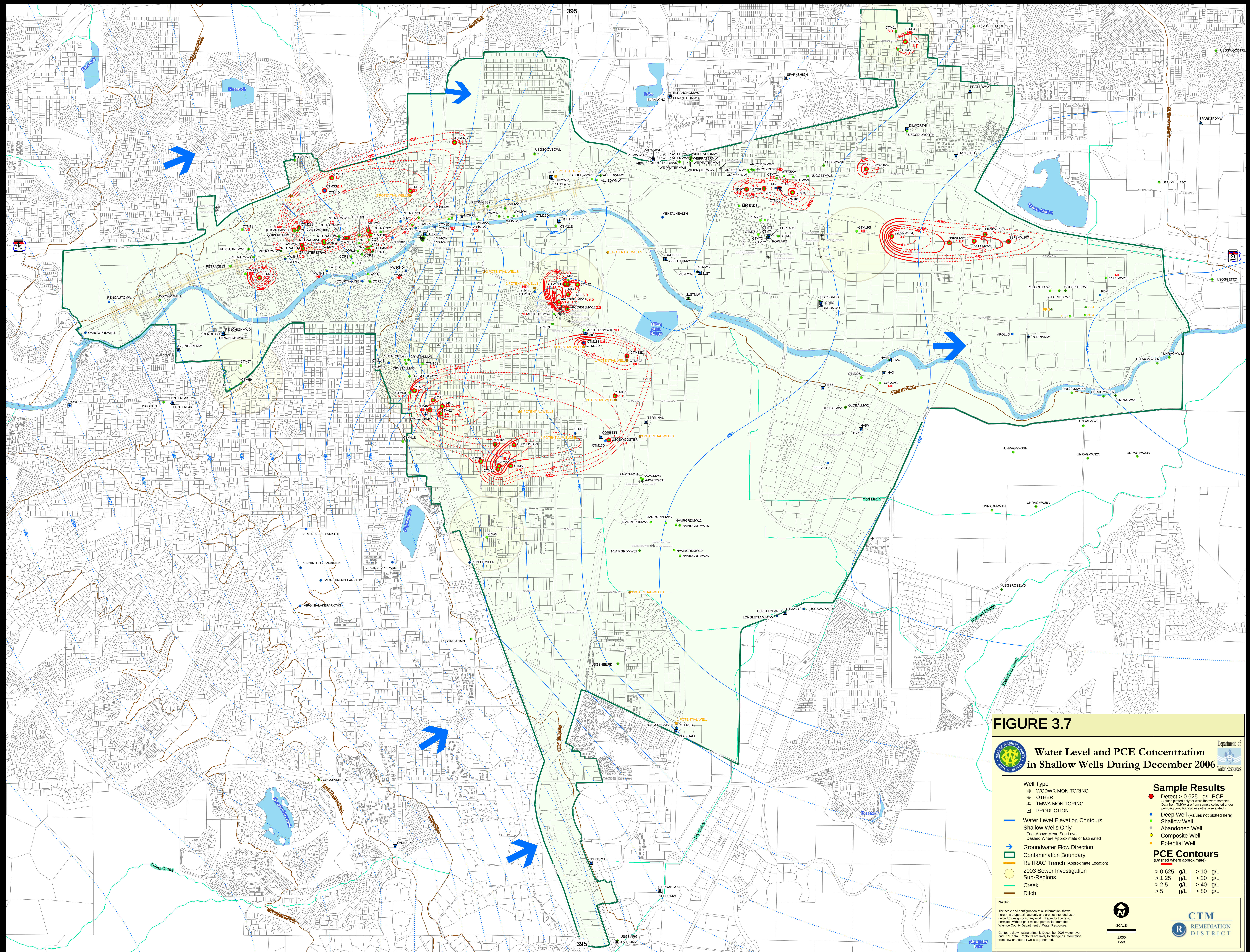


FIGURE 3.7

Well Type

- WCDWR MONITORING
- OTHER
- TMA MONITORING
- PRODUCTION

Water Level Elevation Contours

Shallow Wells Only

Feet Above Mean Sea Level -
Dashed Where Approximate or Estimated

Groundwater Flow Direction

Contamination Boundary

ReTRAC Trench (Approximate Location)

2003 Sewer Investigation Sub-Regions

Creek

Ditch

Sample Results

Detect > 0.625 g/L PCE
(Values plotted only for wells that were sampled. Data from TWMA are from samples collected under pumping conditions unless otherwise stated.)

- Deep Well (values not plotted here)
- Shallow Well
- Abandoned Well
- Composite Well
- Potential Well

PCE Contours
(Dashed where approximate)

> 0.625 g/L	> 10 g/L
> 1.25 g/L	> 20 g/L
> 2.5 g/L	> 40 g/L
> 5 g/L	> 80 g/L

NOTES:

The scale and configuration of all information shown hereon are approximate only and are not intended as a guide for design or survey work. Reproduction is not permitted without prior written permission from the Washoe County Department of Water Resources.

Contours drawn using primarily December 2006 water level and PCE data. Contours are likely to change as information from new or different wells is generated.





 SCALE: 1,000



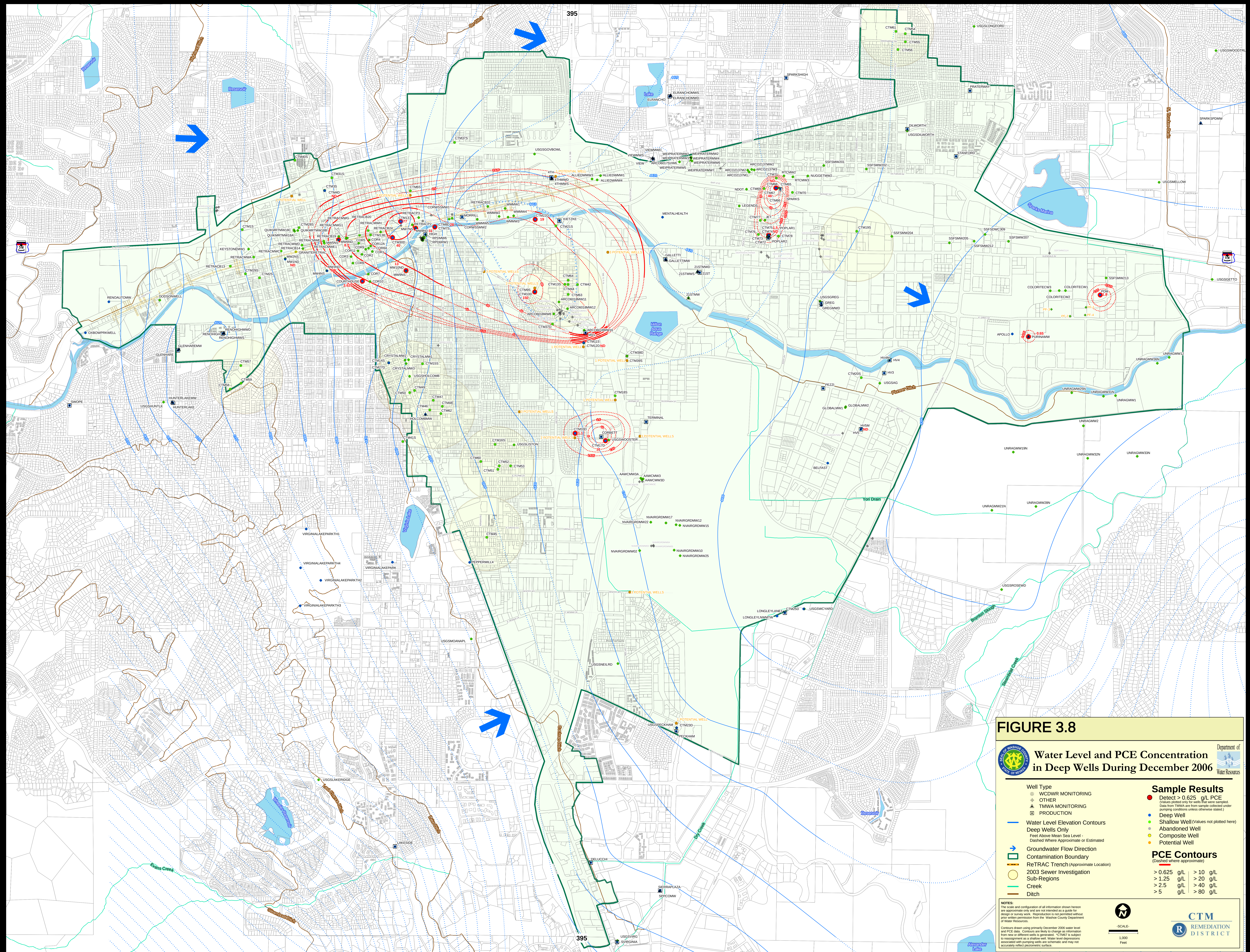


FIGURE 3.8

Water Level and PCE Concentration in Deep Wells During December 2006

Well Type

- WCDWR MONITORING
- OTHER
- TWMA MONITORING
- PRODUCTION

Water Level Elevation Contours

Deep Wells Only

- Feet Above Mean Sea Level -
- Dashed Where Approximate or Estimated

Groundwater Flow Direction

Contamination Boundary

ReTRAC Trench (Approximate Location)

2003 Sewer Investigation Sub-Regions

- Creek
- Ditch

Sample Results

- Detect > 0.625 g/L PCE
(Values plotted only for wells that were sampled. Data from TWMA are for sample collected under pumping conditions unless otherwise stated.)
- Deep Well
- Shallow Well (Values not plotted here)
- Abandoned Well
- Composite Well
- Potential Well

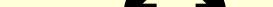
PCE Contours
(Dashed where approximate)

> 0.625 g/L	> 10 g/L
> 1.25 g/L	> 20 g/L
> 2.5 g/L	> 40 g/L
> 5 g/L	> 80 g/L

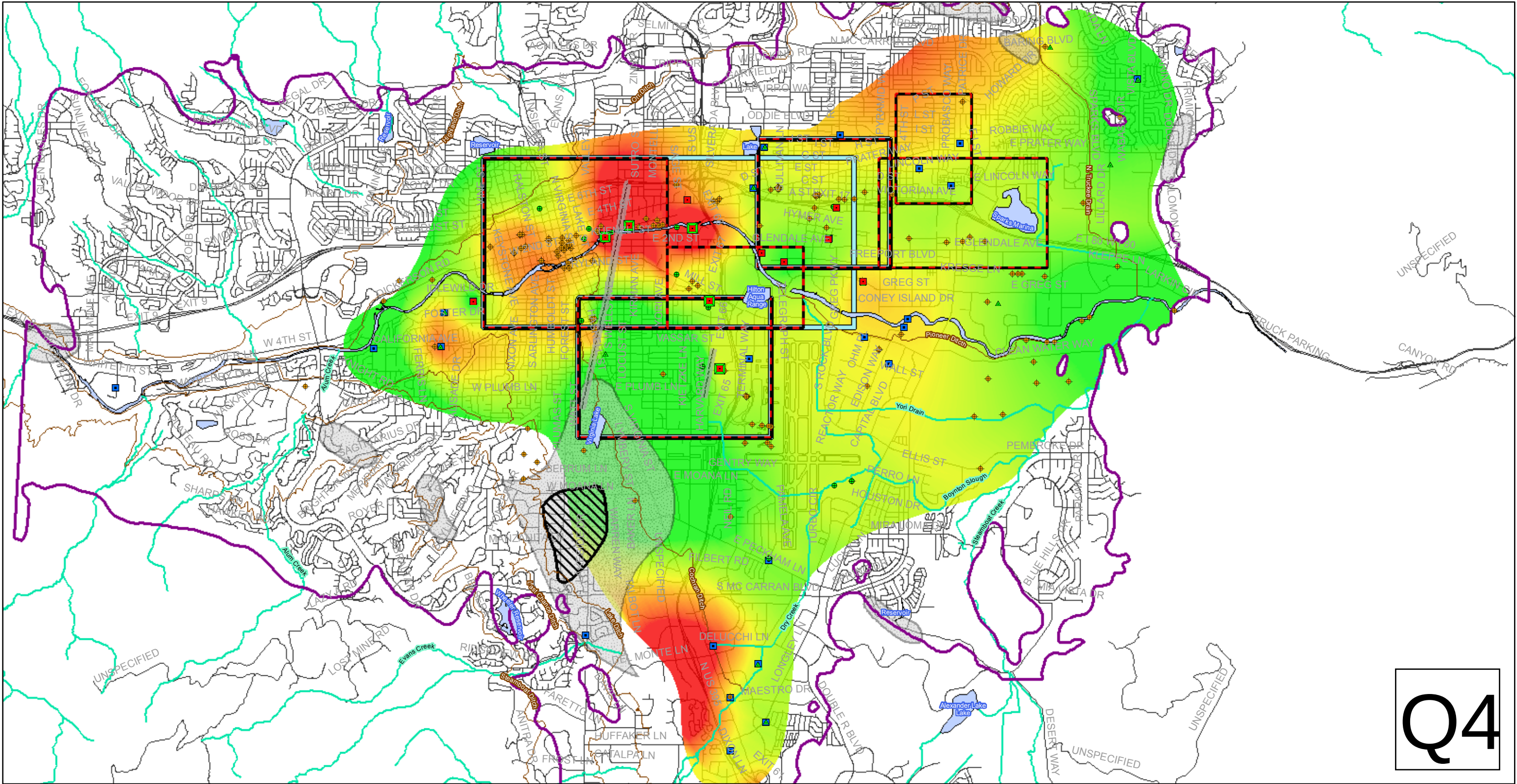
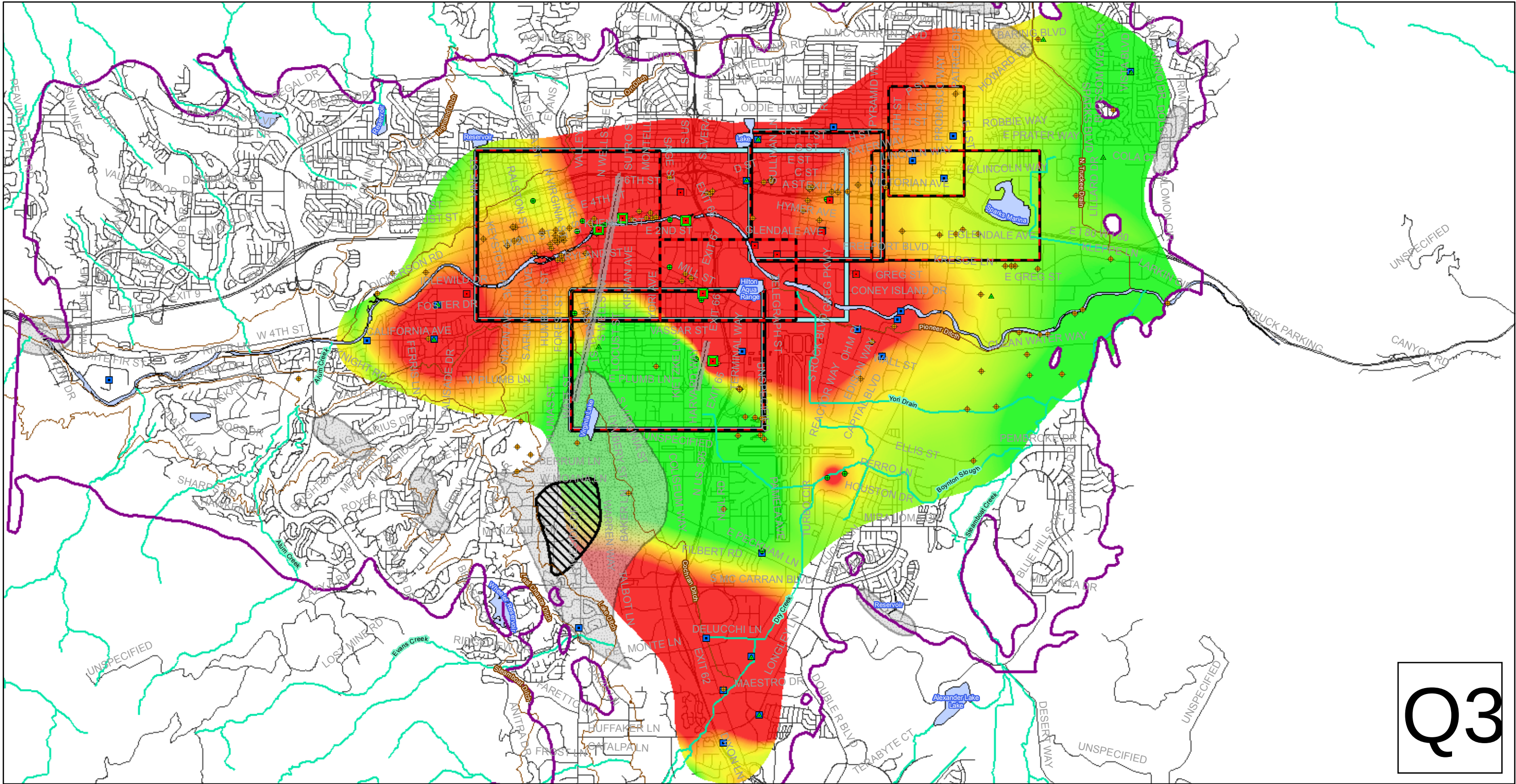
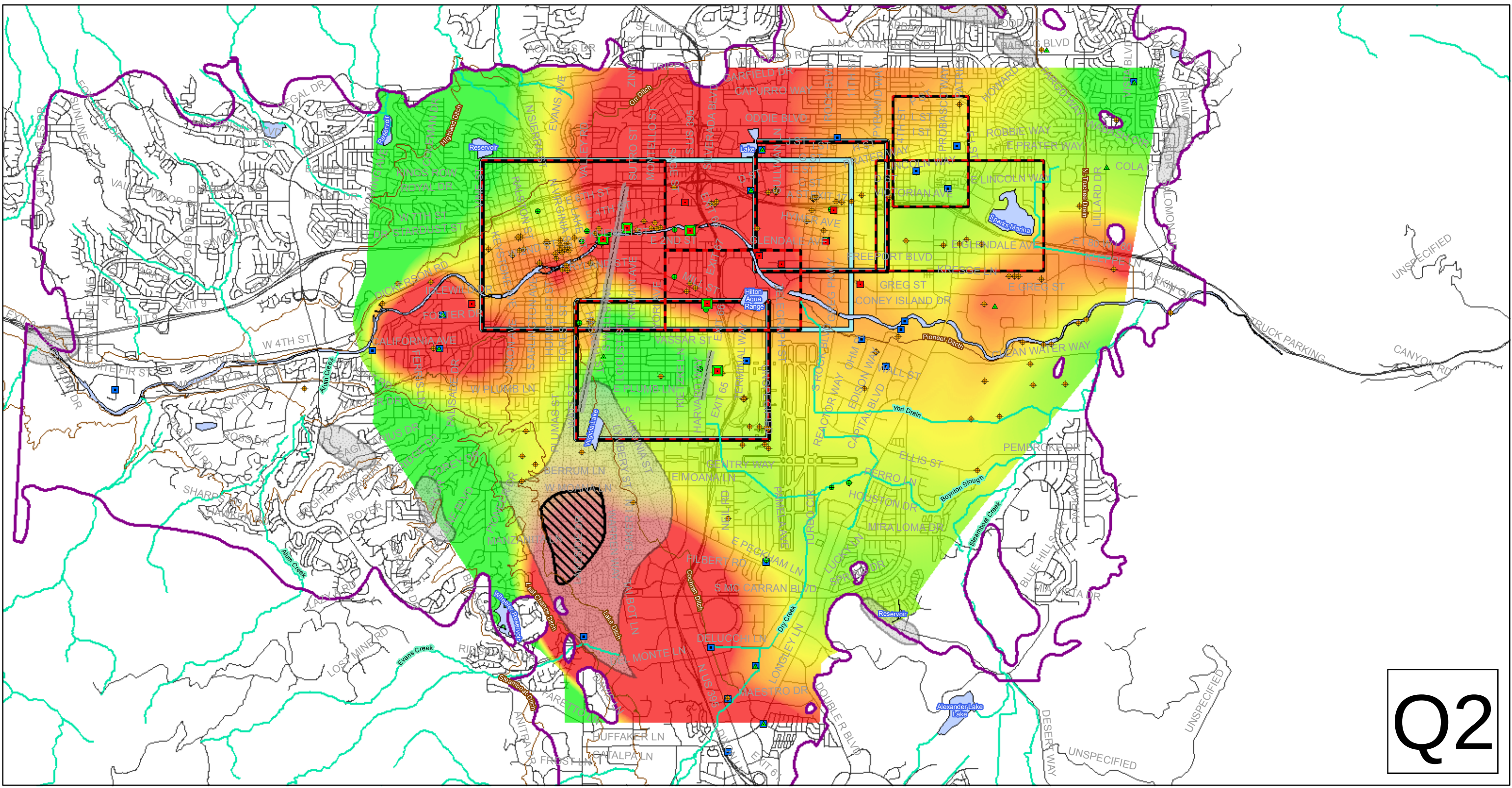
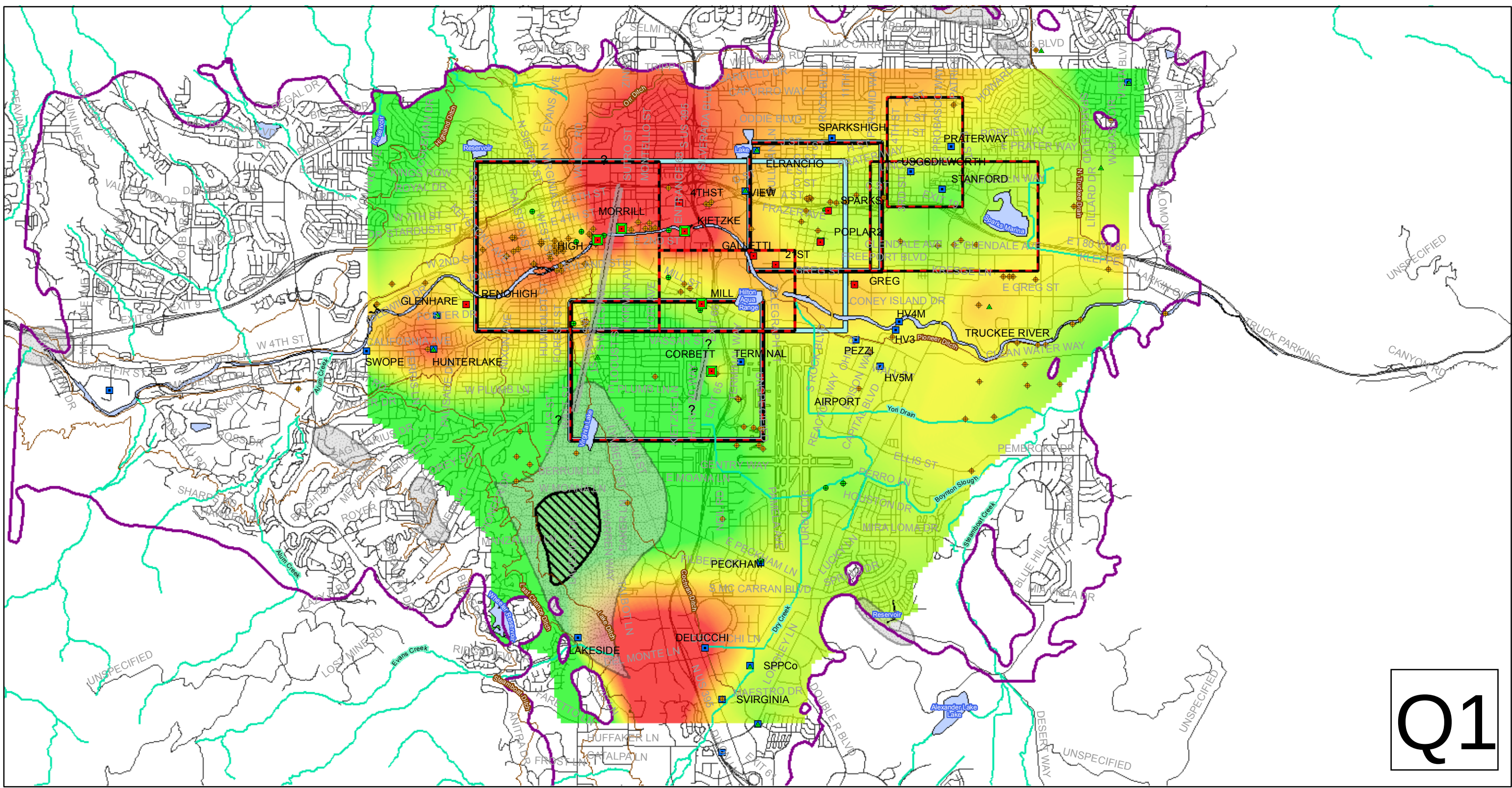
NOTES:

The scale and configuration of all information shown herein are approximate only and are not intended as a guide for design or survey work. Reproduction is not permitted without prior written permission from the Washtoe County Department of Water Resources.

Contours drawn using continuously 2006 water level and PCE data. Contours are likely to change as information from new or different wells is generated. "CMTD" is subject to reassignment as is a shallow well. Water level depressions associated with pumping wells are not discernible and may not accurately reflect seismometer location.

 -SCALE-  1,000 Feet

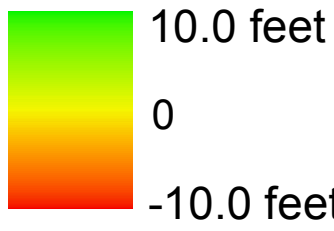




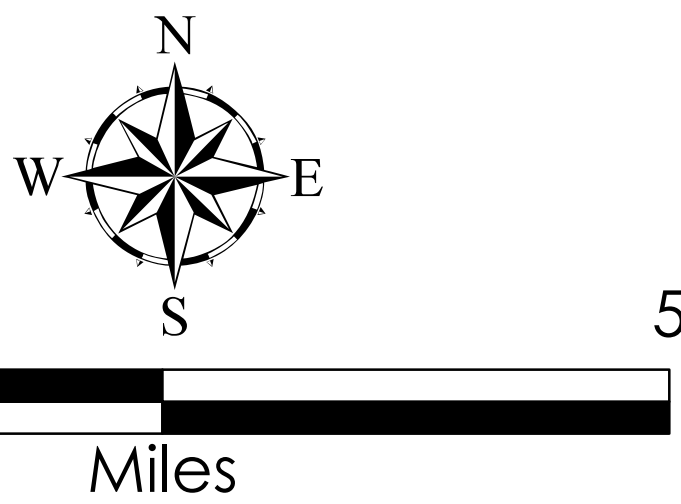
Notes: Q1-Q4 2006 Water Level Difference calculated by subtracting the contoured water level elevation in the shallow zone from the contoured water level elevation in the deep zone.

LEGEND

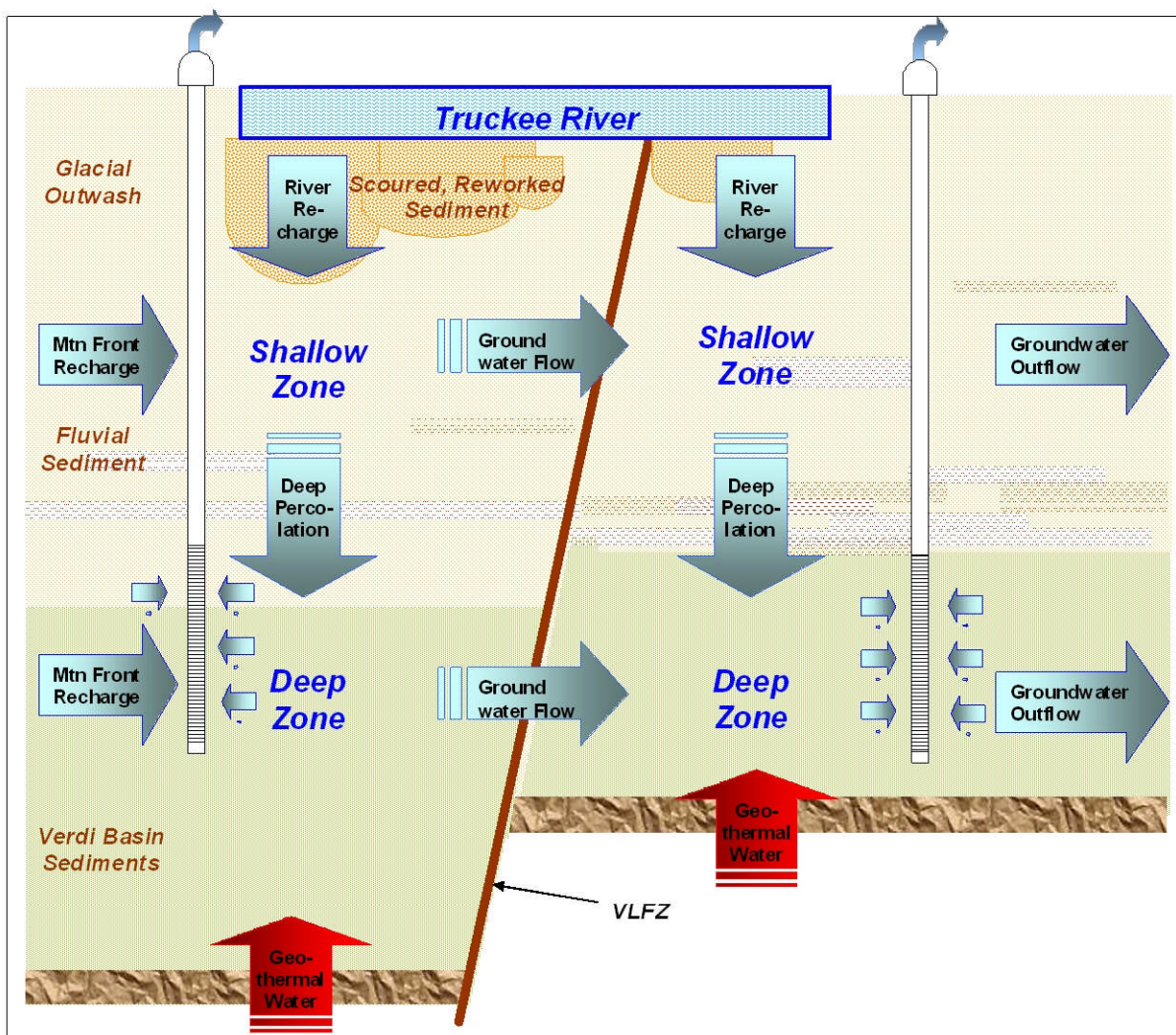
Water Level Difference



- Shallow Plume Subregions
- Deep Plume Subregions



WASHOE COUNTY DWR		 WorleyParsons Komex resources & energy		
Q1 - Q4 2006 WATER LEVEL DIFFERENCE MAP		MB	MT	01/2008
		N0637B		3.9



OVERVIEW OF CENTRAL TRUCKEE MEADOWS (CTM) CONCEPTUAL HYDROGEOLOGIC MODEL

- The major Shallow Zone hydrostratigraphic units include Quaternary glacial outwash underlain by Quaternary and Tertiary fluvial sediments. These sediments are heterogeneous and dip slightly eastward. In the Truckee River corridor, they are scoured and reworked, creating coarse grained conduits in which stratification has been disrupted and vertical permeability increased.
- The major Deep Zone hydrostratigraphic units include heterogeneous Quaternary and Tertiary fluvial sediments and the Verdi Basin Sediments, which also dip slightly eastward. The Shallow Zone and Deep Zone are grossly separated by lower permeability strata of varying lateral continuity. The effectiveness of this aquitard to impede vertical groundwater flow varies from location to location, depending on the lateral and vertical continuity of the layers within it. In general, the Shallow and Deep Zone appear to be in better communication west of the Virginia Lake Fault Zone (VLFZ) than east of the VLFZ.
- The Verdi Basin Sediments are generally finer grained than the overlying fluvial sediments, but in the central portion of the CTM, the upper VBS contain sediments that are similar in character to the overlying fluvial sediments. Many of the municipal water supply well located east of the VLFZ are at least partly screened in the Verdi Basin Sediments.
- The VLFZ (and other possible lateral groundwater flow barriers such as the Harvard Way Barrier) is a vertically oriented zone of lower permeability that impedes (but does not stop) lateral groundwater flow. Water levels on one side of the VLFZ generally do not respond to pumping on the other side. As a result, a prominent cone of depression forms in the Deep Zone east of the VLFZ during the peak municipal pumping period of Summer and Fall.
- Groundwater generally flows from west to east in the CTM, and is influenced by vertical groundwater level steps across flow barriers such as the VLFZ, recharge from the Truckee River, and municipal groundwater pumping.
- Recharge occurs via lateral inflow from mountain front recharge, river recharge, deep percolation of water from the Shallow Zone to the Deep Zone, and upflow of geothermal water. Additional recharge occurs via water injection through selected production wells in the winter and spring (but is not shown on this figure).
- Areas of coarse grained, scoured sediment along the Truckee River are particularly prone to rapid recharge from the river.
- Discharge occurs from the Shallow Zone by lateral outflow and deep percolation. Deep percolation is driven or enhanced by vertical gradients resulting from groundwater pumping of municipal water supply wells.
- Discharge from the Deep Zone occurs by lateral outflow and pumping of municipal water supply wells. Municipal pumping is most prevalent in the summer and fall, and creates large groundwater depressions in the deep zone, that cause local groundwater flow reversal.

WASHOE COUNTY DWR



WorleyParsons Komex
resources & energy

CENTRAL TRUCKEE MEADOWS CONCEPTUAL HYDROGEOLOGICAL MODEL

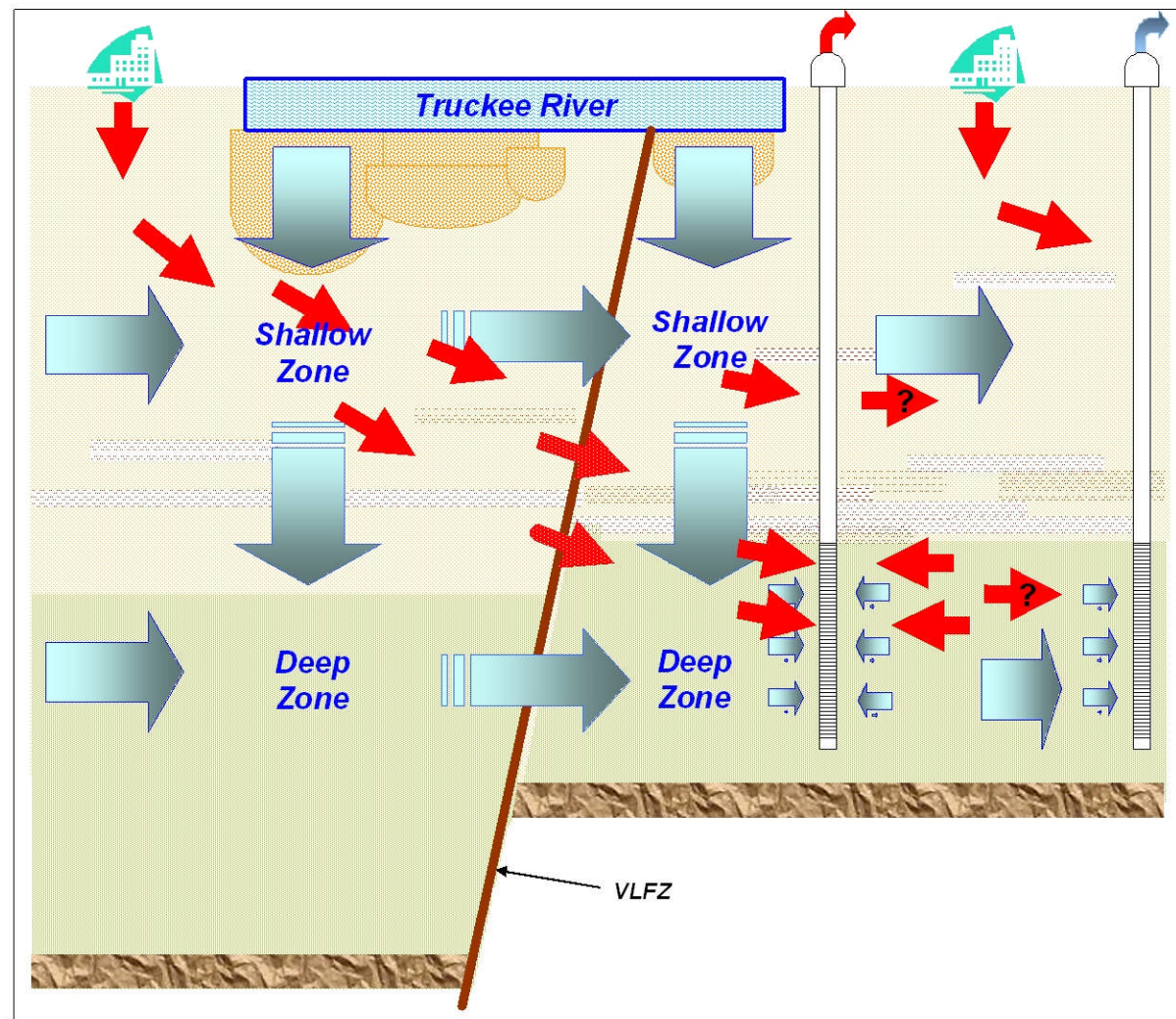
SWL

MT

02/2008

6N637B30

5.1



OVERVIEW OF CENTRAL TRUCKEE MEADOWS (CTM) CONCEPTUAL PCE TRANSPORT MODEL

- PCE is not naturally occurring; therefore all PCE detected in the CTM originated at the ground surface from Potentially Contaminating Activities (PCAs), such as dry cleaning, manufacturing, vehicle maintenance and other activities. Secondary sources include PCE discharges to leaking sewer lines.
- Downward migration of contaminants into groundwater is enhanced by the predominantly coarse grained character of the Quaternary glacial outwash sediments and the presence of scoured and reworked sediments near the Truckee River.
- Although groundwater concentrations detected to date do not indicate the presence of dense nonaqueous phase liquid PCE product (DNAPL), the persistence of the PCE plumes in the CTM suggests that secondary DNAPL sources may exist.
- PCE migrates laterally in the Shallow Zone, and is typically driven deeper by the natural dip of the strata and vertical groundwater gradients enhanced by municipal pumping and recharge from the Truckee River.
- Recharge from the Truckee River may limit the lateral migration of PCE in the Shallow Zone, either by forming a hydraulic impediment (flow divide), by dilution, or by driving contamination deeper due to enhanced vertical gradients.
- The Shallow Zone and Deep Zone are grossly separated by lower permeability strata of varying lateral continuity. The effectiveness of this aquitard to impede vertical groundwater flow and PCE transport varies from location to location, depending on the lateral and vertical continuity of the layers within it. In general, the Shallow and Deep Zone appear to be in better communication west of the Virginia Lake Fault Zone (VLFZ) than east of the VLFZ.
- The VLFZ (and other possible lateral groundwater flow barriers such as the Harvard Way Barrier) is a vertically oriented zone of lower permeability that impedes (but does not stop) lateral groundwater flow and PCE transport. The exact location and mechanism of PCE transport across these barriers is not known at this time.
- PCE is drawn downward into the Deep Zone and captured by municipal wells equipped with wellhead treatment systems to remove the PCE. The degree of capture of the shallow and deep plumes is variable. In some cases, PCE in the Shallow Zone may flow past municipal pumping wells without being drawn down, or may be incompletely captured. PCE in the Deep Zone may flow laterally past the wells or may flow past the well's capture zones during periods when pumping is not conducted.
- Downgradient municipal wells that are presently not impacted or not being used could become impacted in the future if they capture Shallow Zone PCE and draw it deeper or if they capture Deep Zone PCE that has migrated past the existing capture network.
- Recharge through municipal pumping wells may serve to contain Deep Zone PCE plumes, but this effect is not well understood.

WASHOE COUNTY DWR



WorleyParsons Komex
resources & energy

CENTRAL TRUCKEE MEADOWS CONCEPTUAL PCE TRANSPORT MODEL

SWL

MT

02/2008

6N637B30

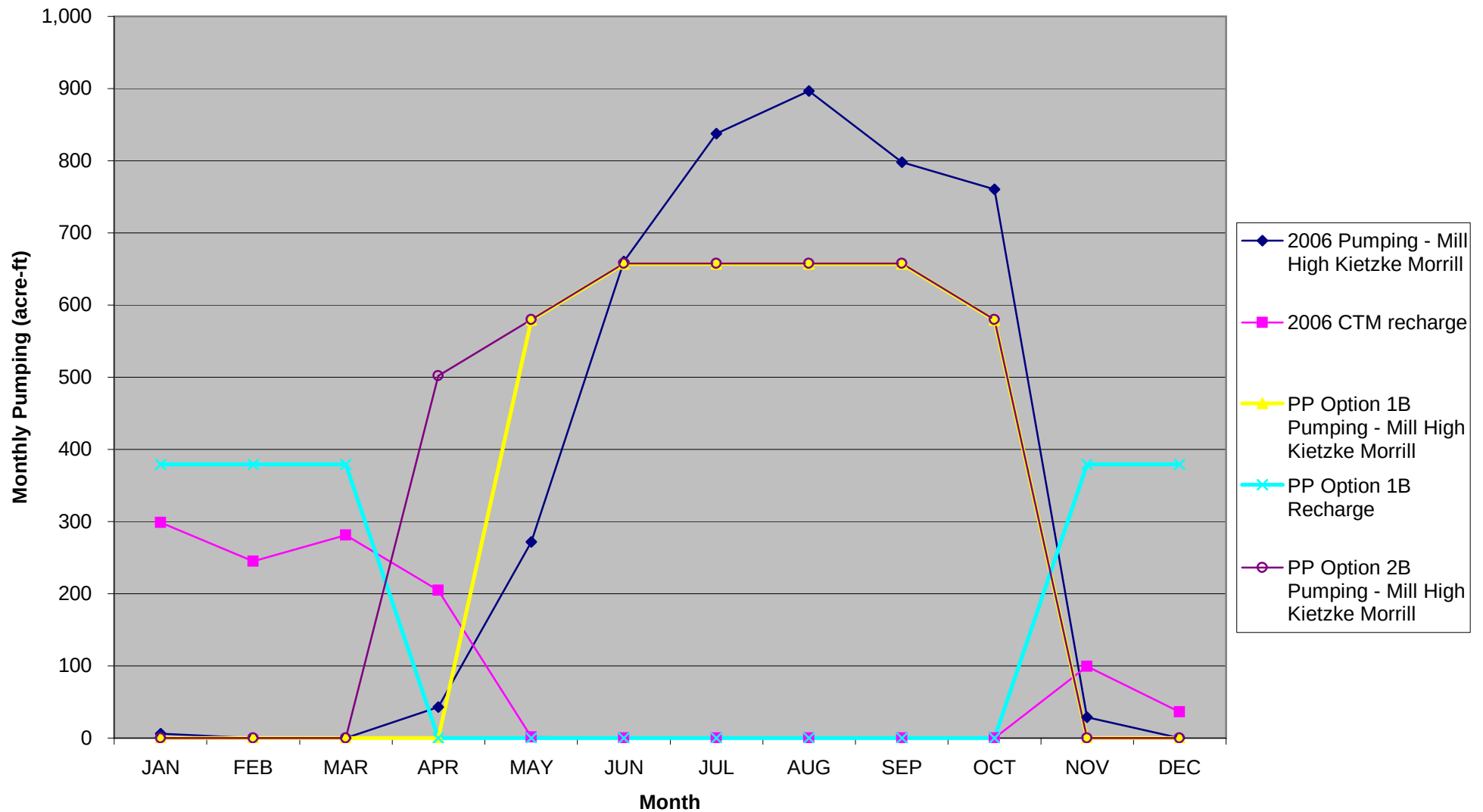
5.2

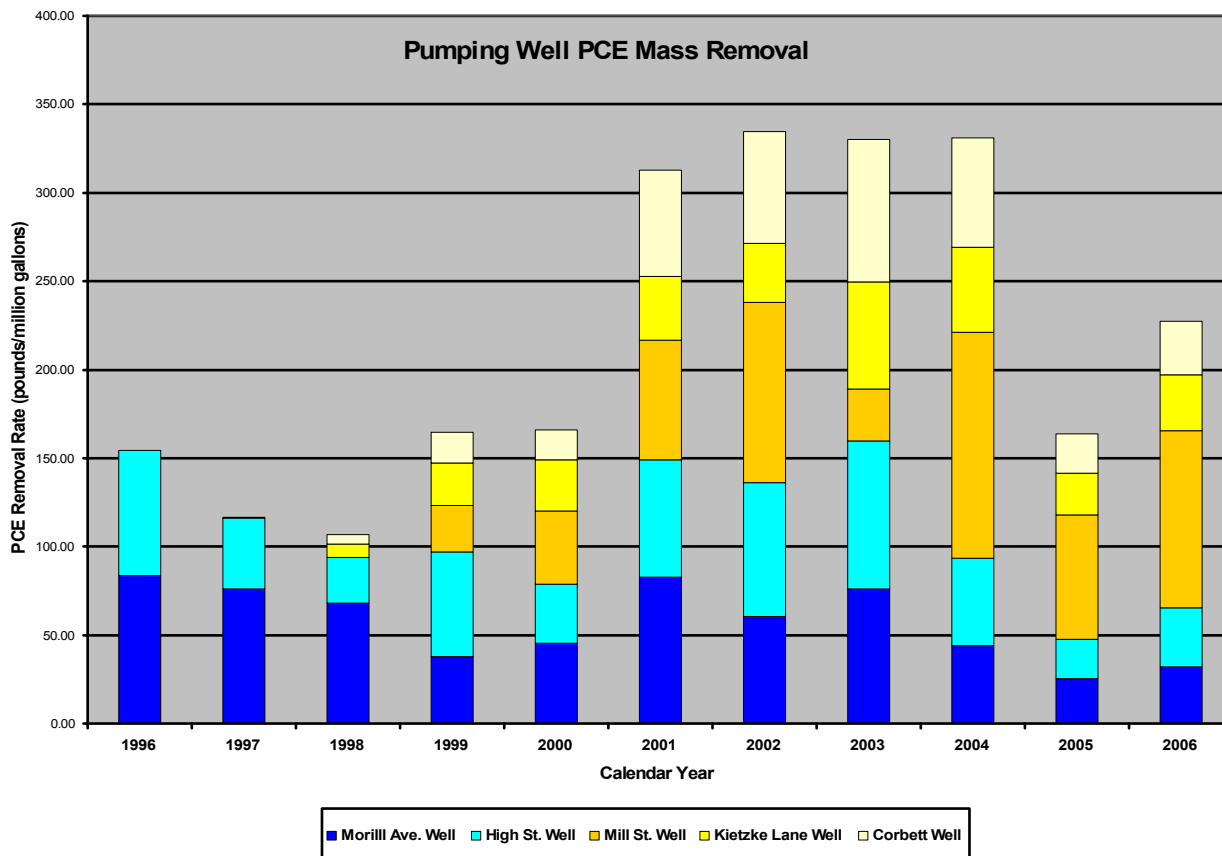
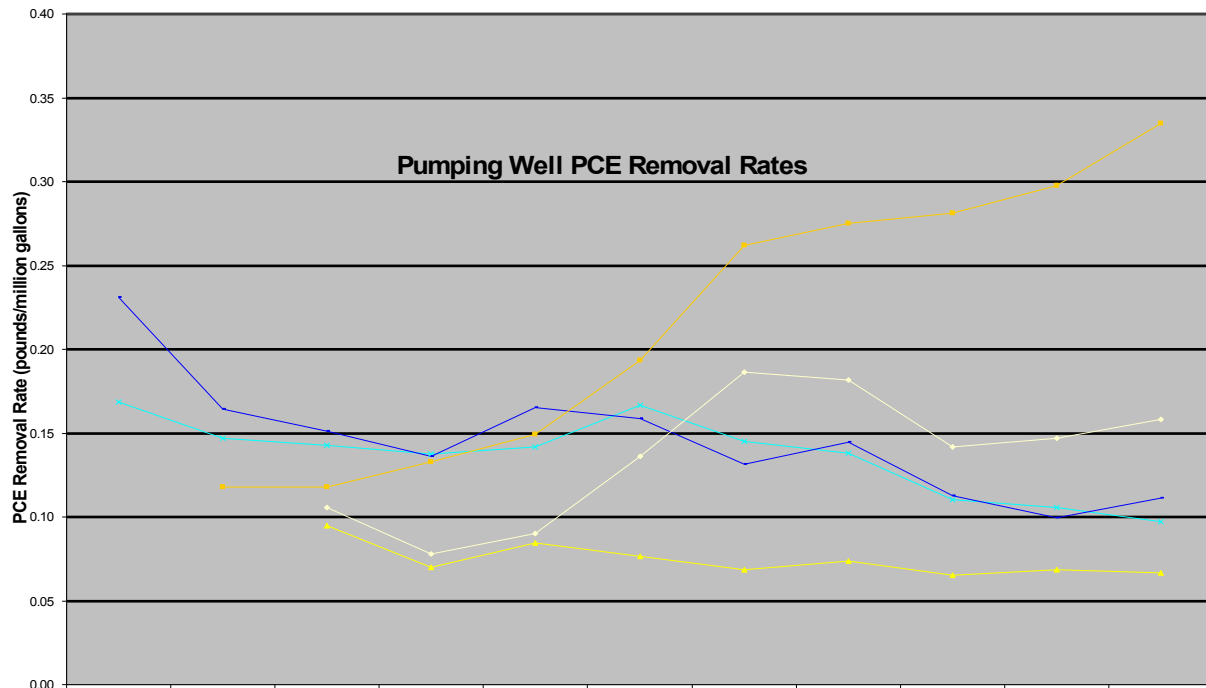


WorleyParsons Komex

resources & energy

Figure 5.3: Comparison of 2006 Municipal Well Pumping to the Pumping Plan





WASHOE COUNTY DWR



WorleyParsons Komex
resources & energy

PCE REMOVAL RATES - PCE MASS REMOVAL

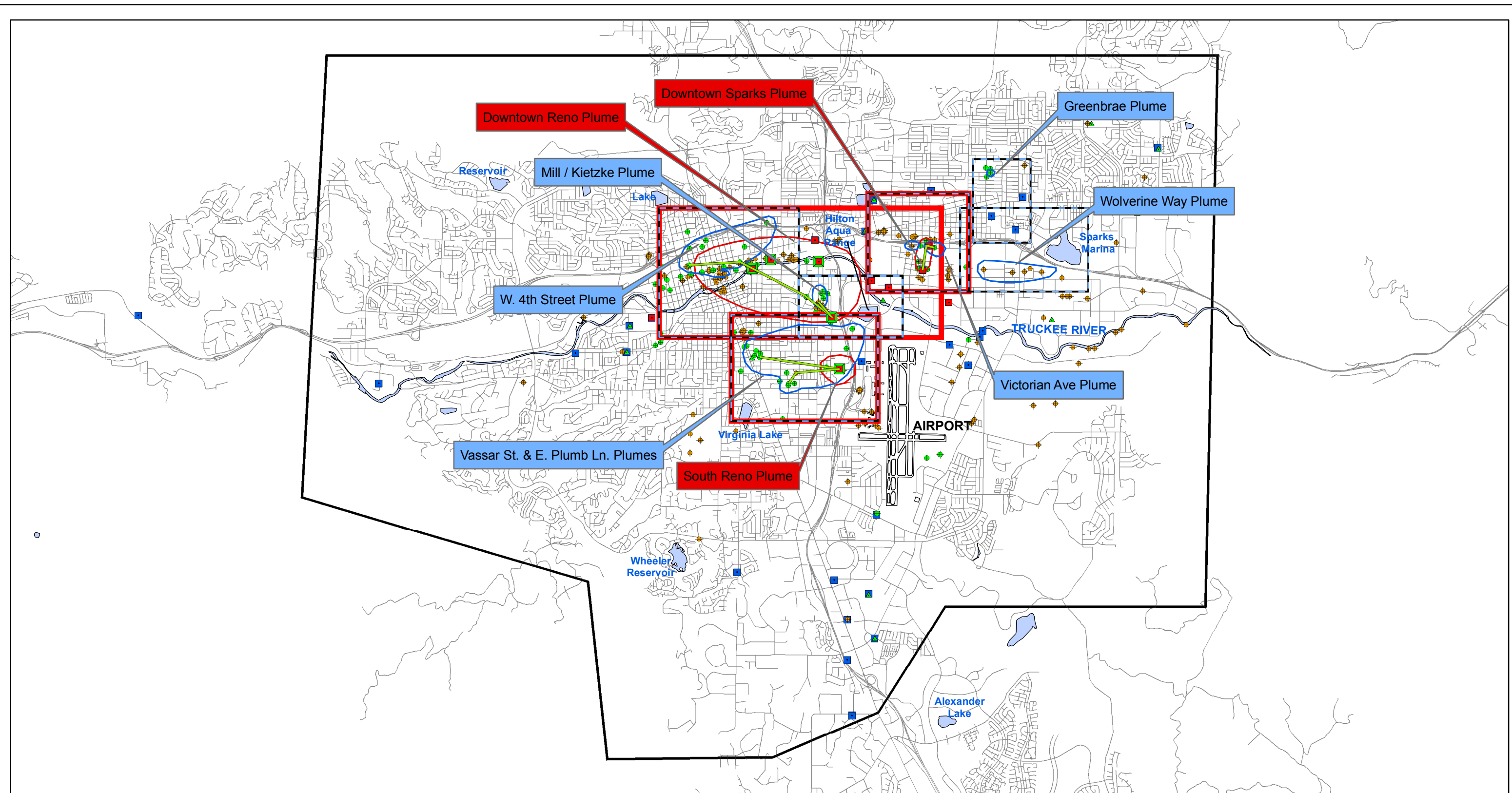
SWL

MT

02/2008

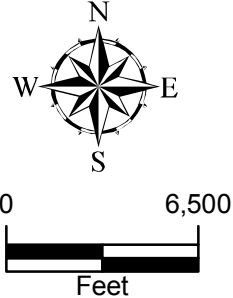
6N637B30

5.4

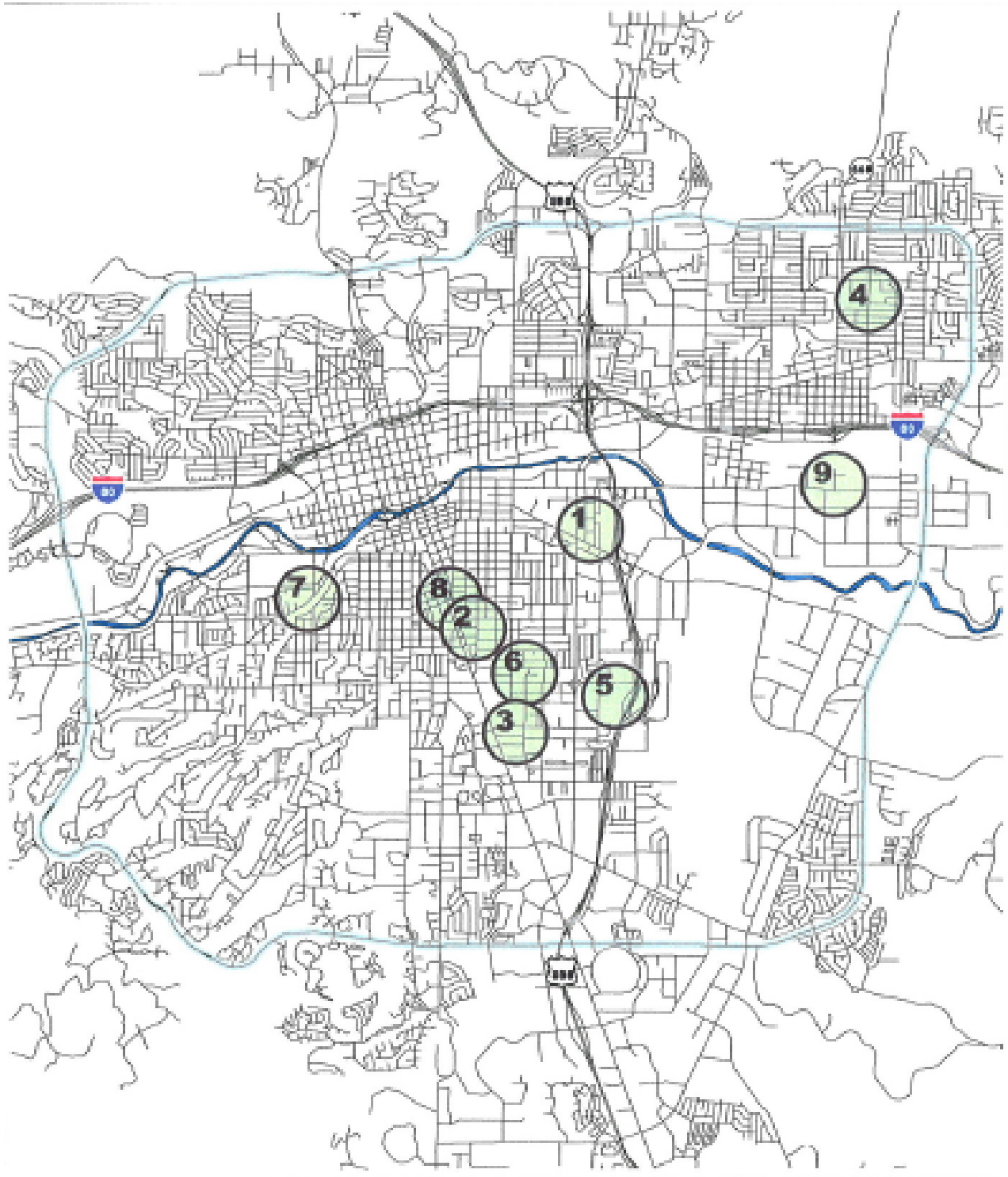


Legend

- Concentration Profile Baseline
- Shallow Plumes
- Deep Plumes
- Shallow Plume Subregions
- Deep Plume Subregions
- Streets
- Study Area



WASHOE COUNTY DWR		 WorleyParsons Komex resources & energy	
PLUME SUBREGION LOCATIONS		MB	MT
		N0637B	6.1
		01/2007	



- Sampling Sub-Region
- Truckee River
- McCarran Blvd.

Note: Adapted from Kleinfelder, 2003



WASHOE COUNTY DWR



WorleyParsons Komex
resources & energy

LOCATION OF SEWER INVESTIGATION SUBREGIONS

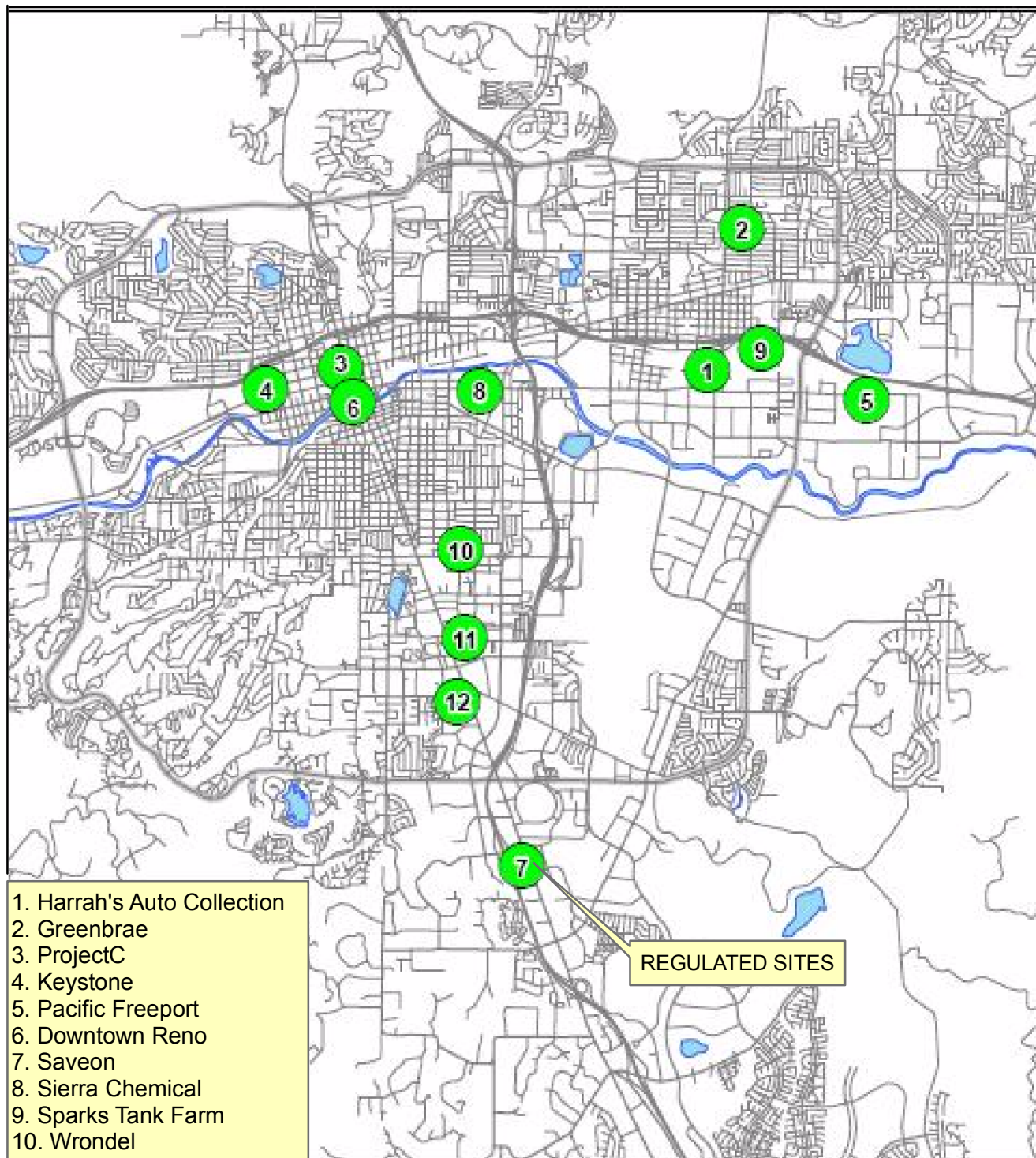
MB

MT

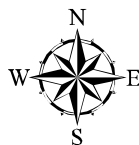
01/2007

N0637B

6.2a



Note: Adapted from McGinley, 2002



WASHOE COUNTY DWR



WorleyParsons Komex

resources & energy

LOCATION OF NDEP CORRECTIVE ACTION SITES

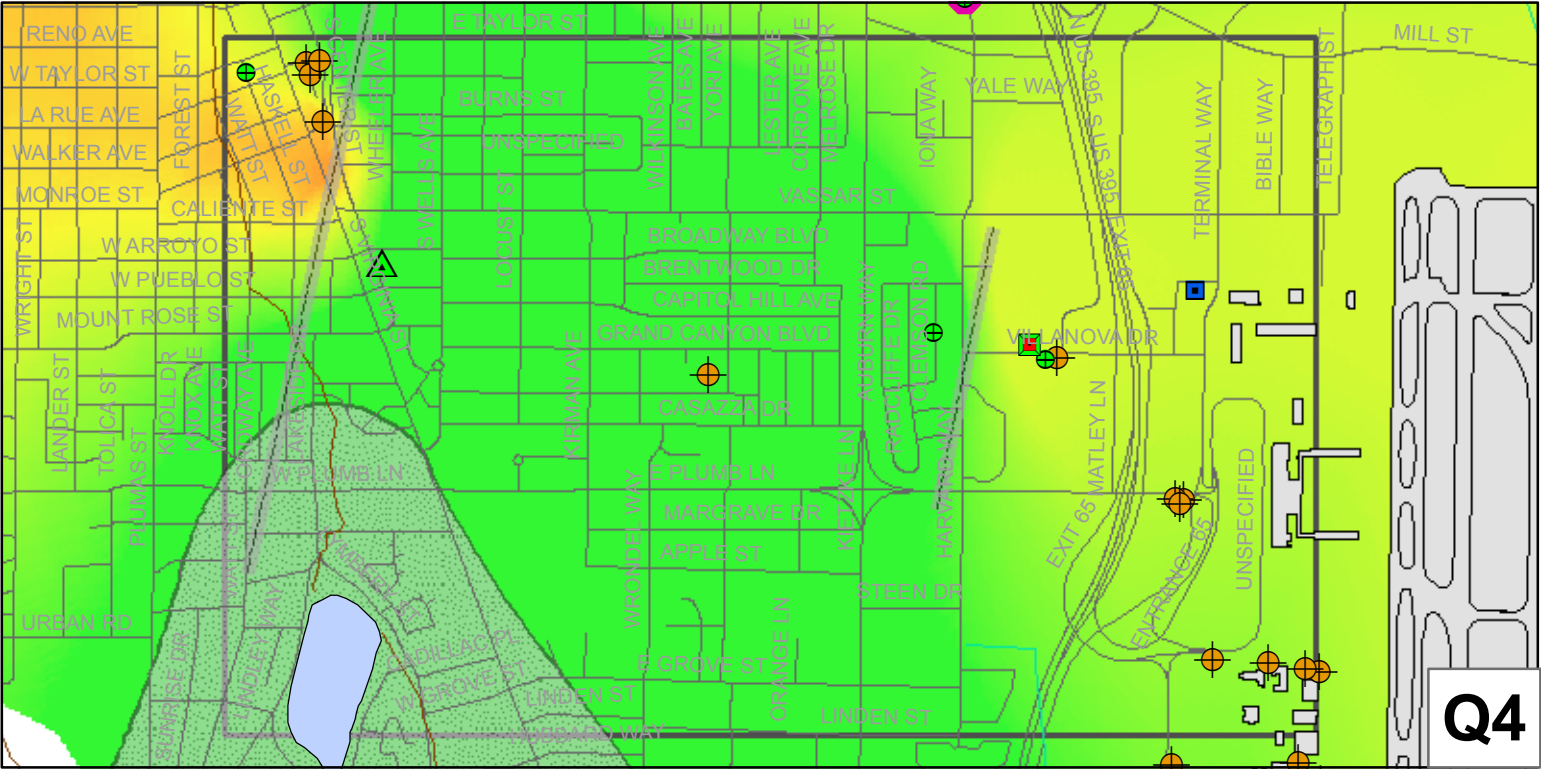
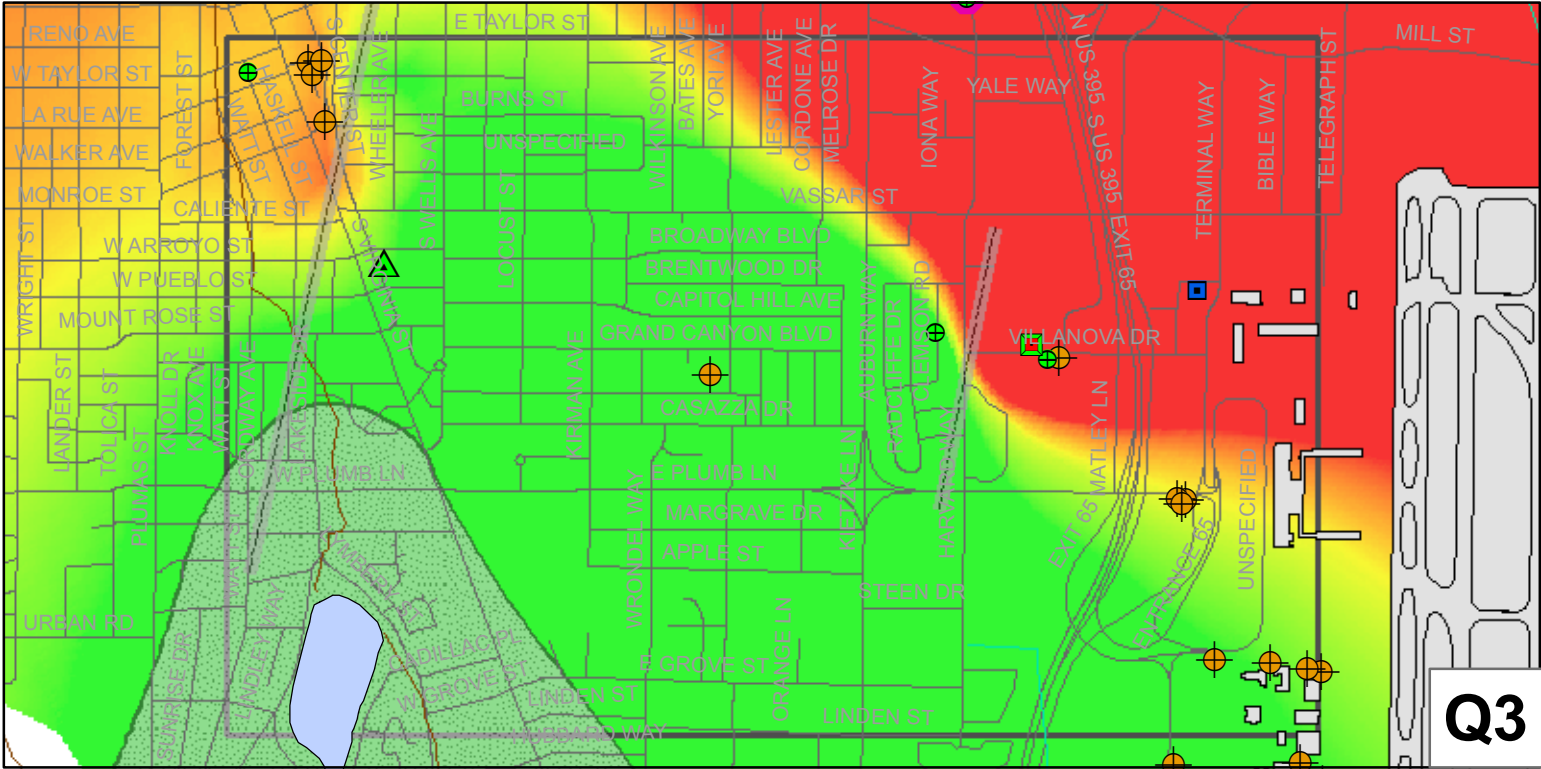
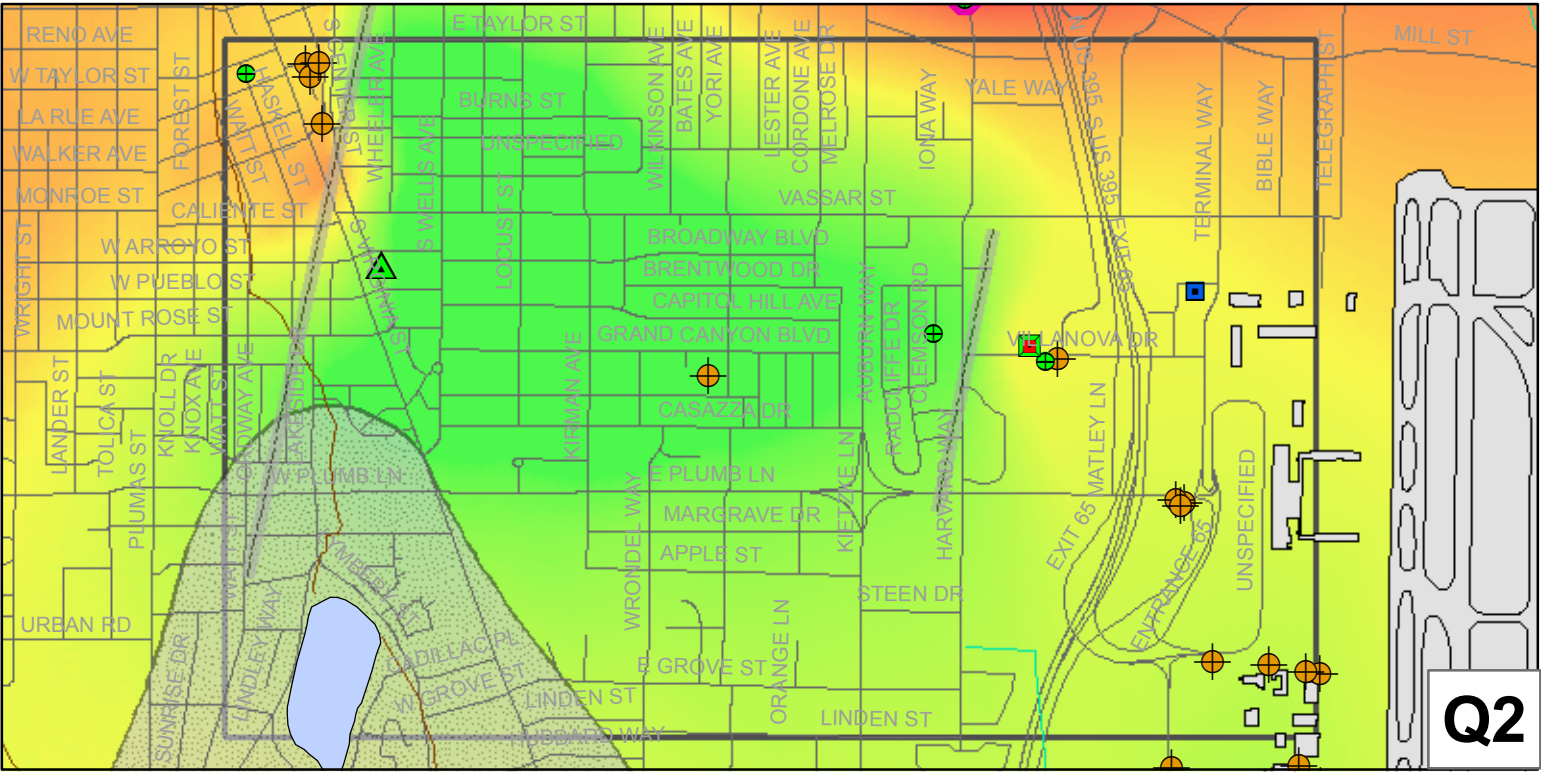
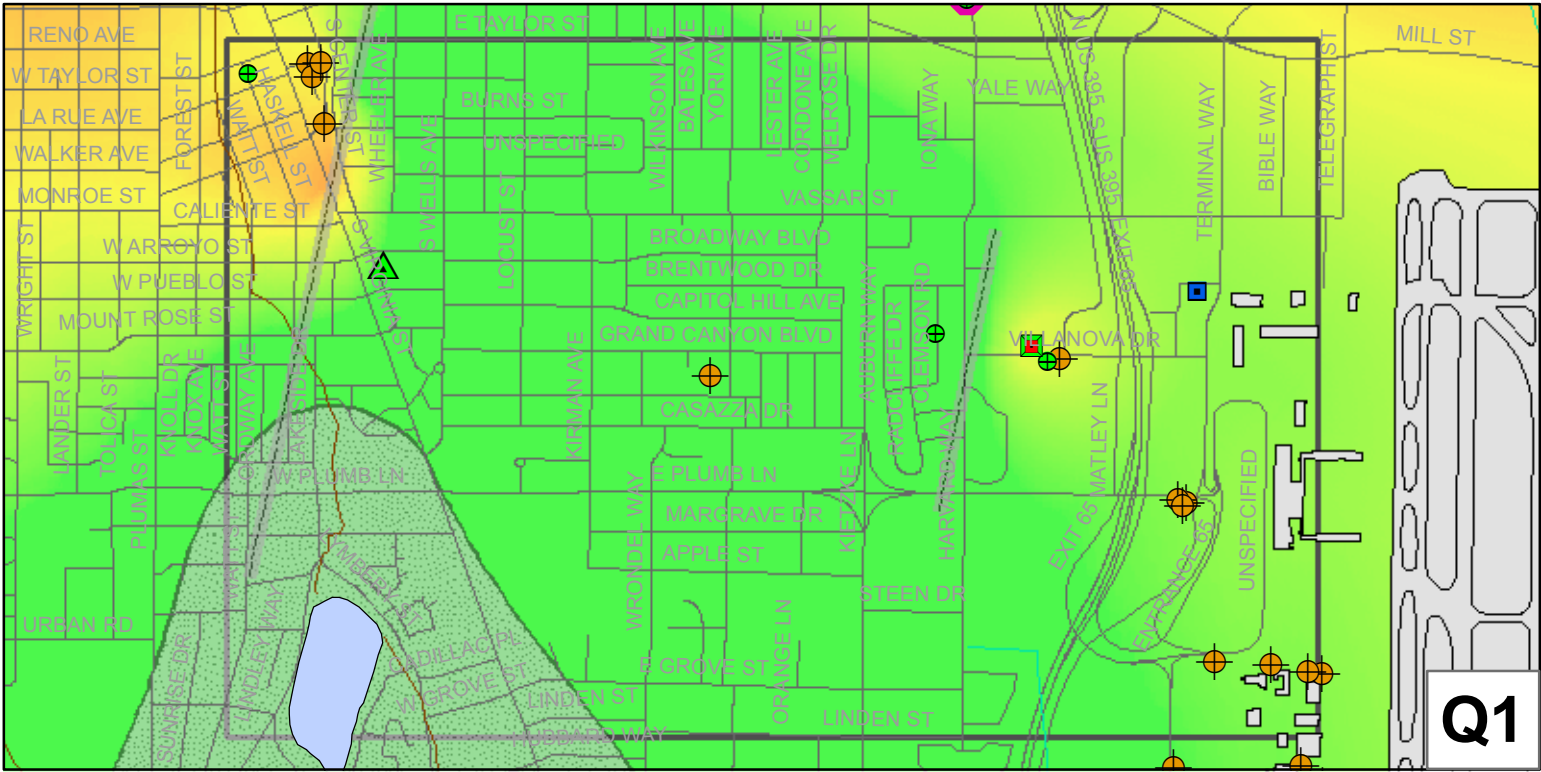
MB

MT

01/2007

N0637B

6.2b



Notes: Q1-Q4, 2006 Water Level Difference calculated by subtracting the contoured water level elevation in the shallow zone from the contoured water level elevation in the deep zone.

LEGEND

Subregion boundary

Vassar Street/East Plumb Lane Subregion Water Level Difference map

10.0 feet

0

-10.0 feet

N

W

E

S

0

2,640

Feet

WASHOE COUNTY DWR



WorleyParsons Komex

resources & energy

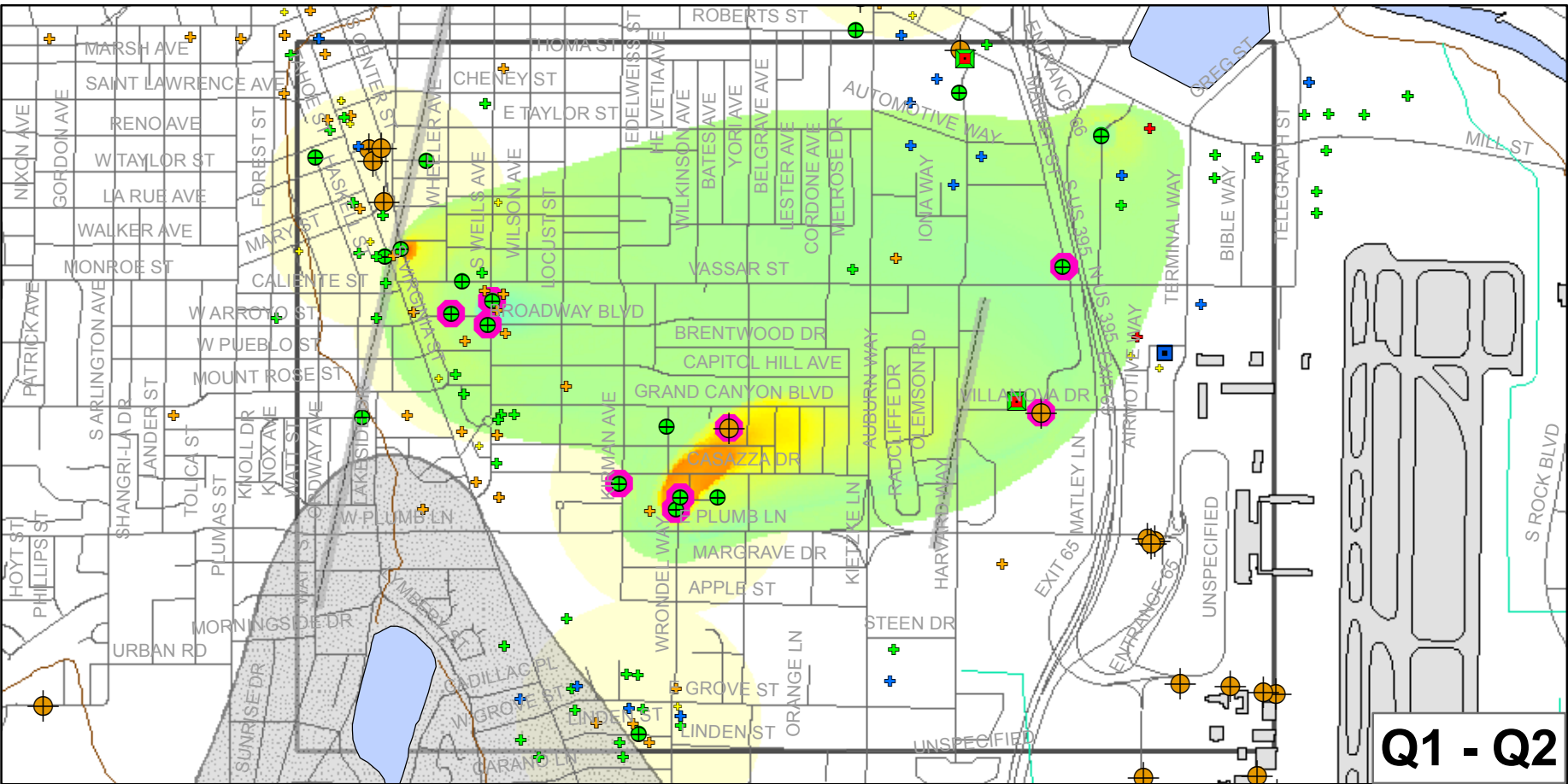
VASSAR STREET/EAST PLUMB LANE SUBREGION Q1-Q4 2006

WATER LEVEL DIFFERENCE MAP

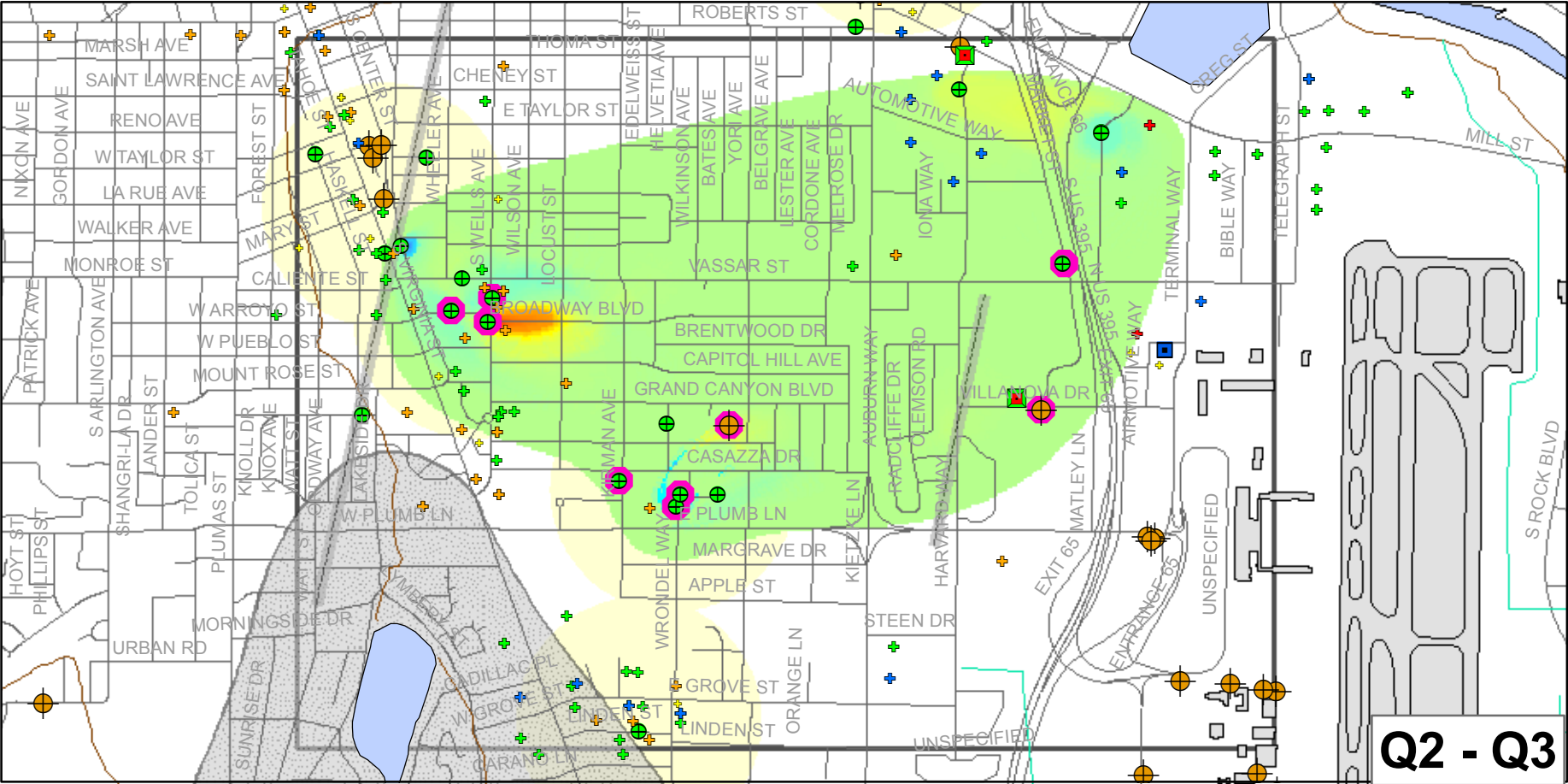
MBMT01/2008

6N637B

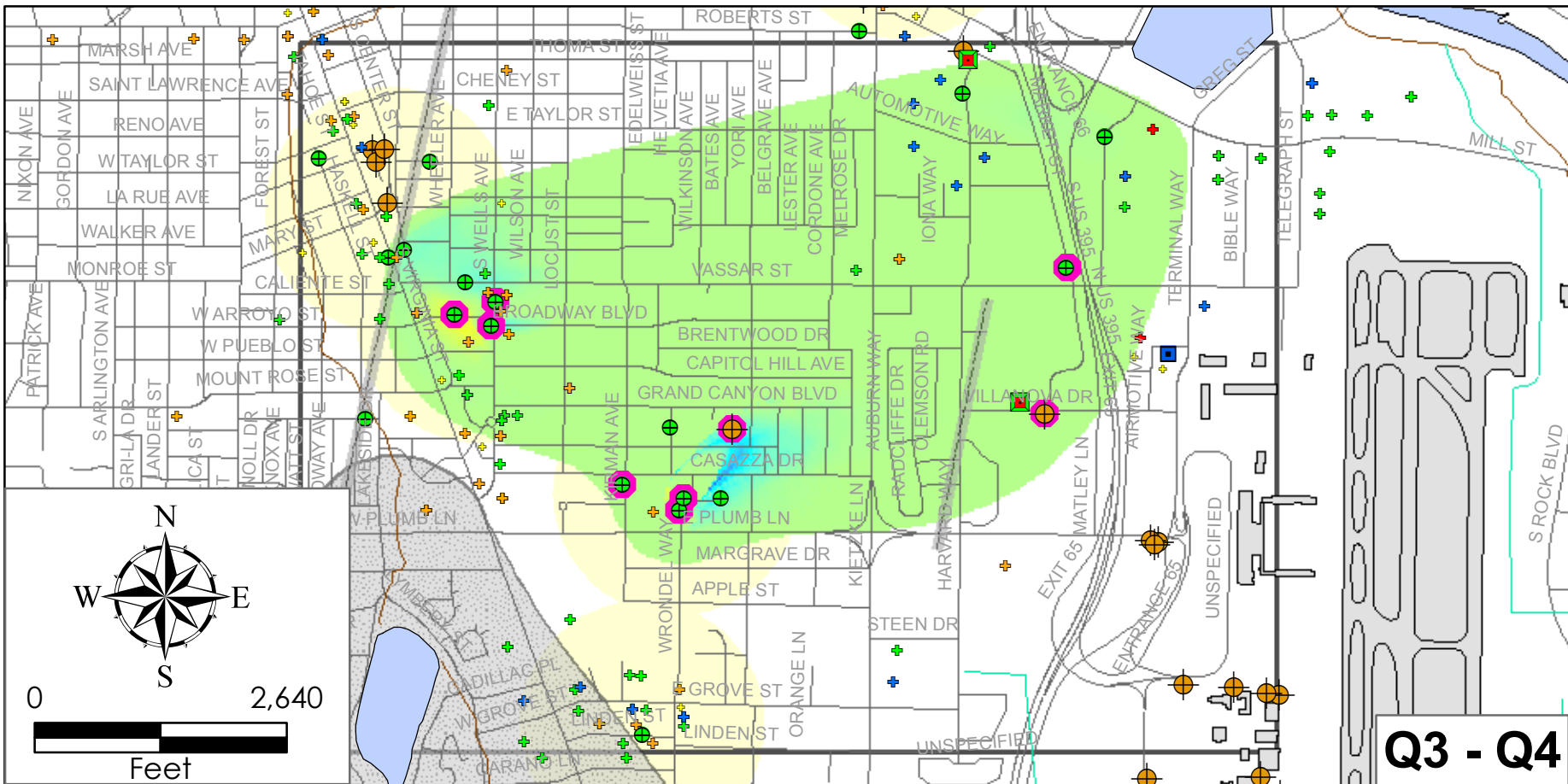
6.3



Q1 - Q2

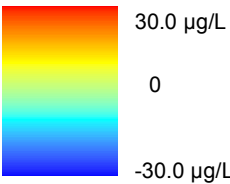


Q2 - Q3



Q3 - Q4

Notes:
PCE concentration change calculated using the formula: (Previous quarter subtracted from current quarter, i.e., (Q2 - Q1)).



WASHOE COUNTY DWR



WorleyParsons Komex
resources & energy

**VASSAR STREET/E PLUMB LN SUBREGION 2006
PCE CONCENTRATION CHANGE**

SWL

PM

01/2008

6N637B30

6.4

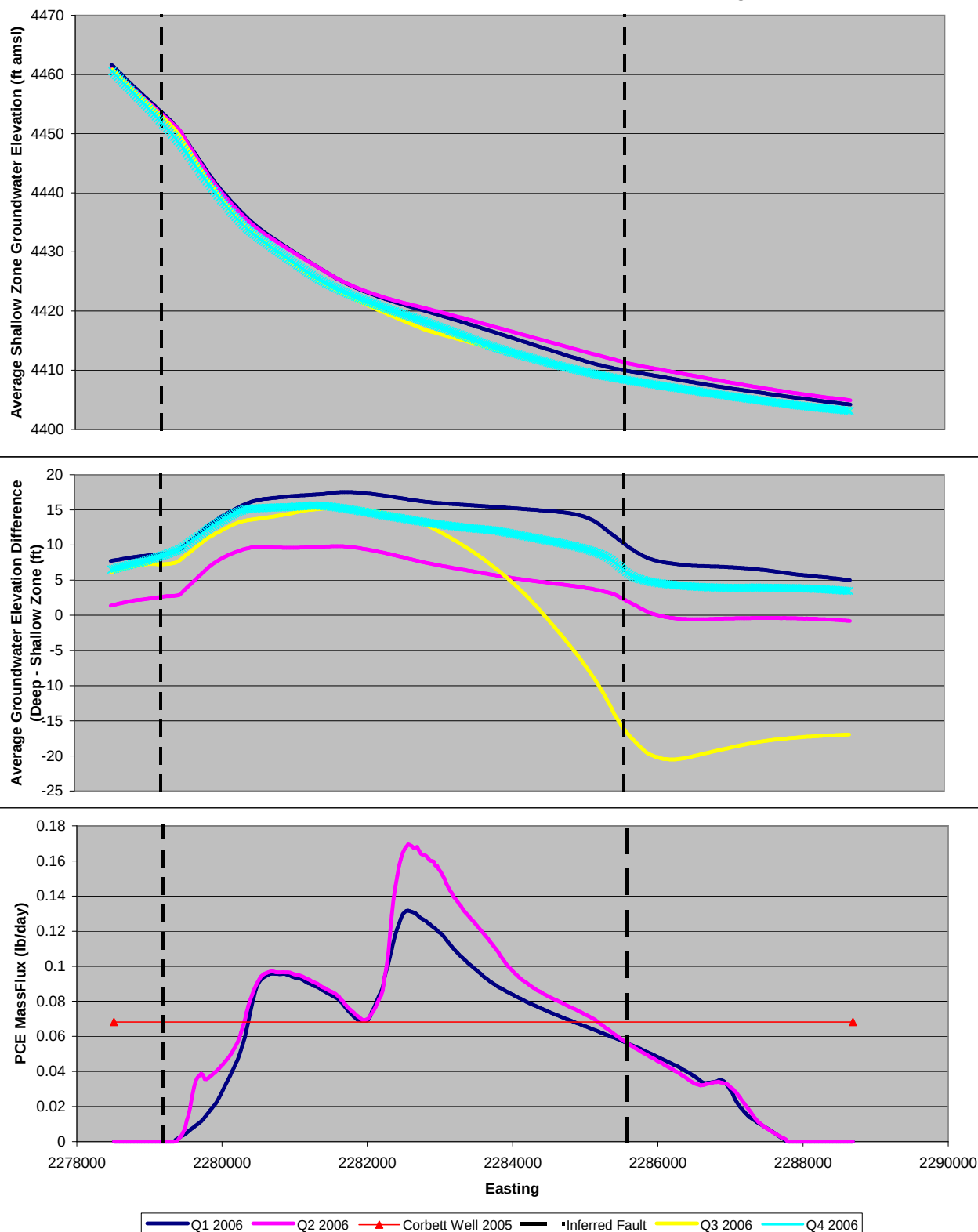


WorleyParsons Komex

resources & energy

Figure 6.5: Average 2006 Groundwater Elevation, Groundwater Elevation Difference and Mass Flux

Vassar Street / East Plumb Lane Plume Subregion

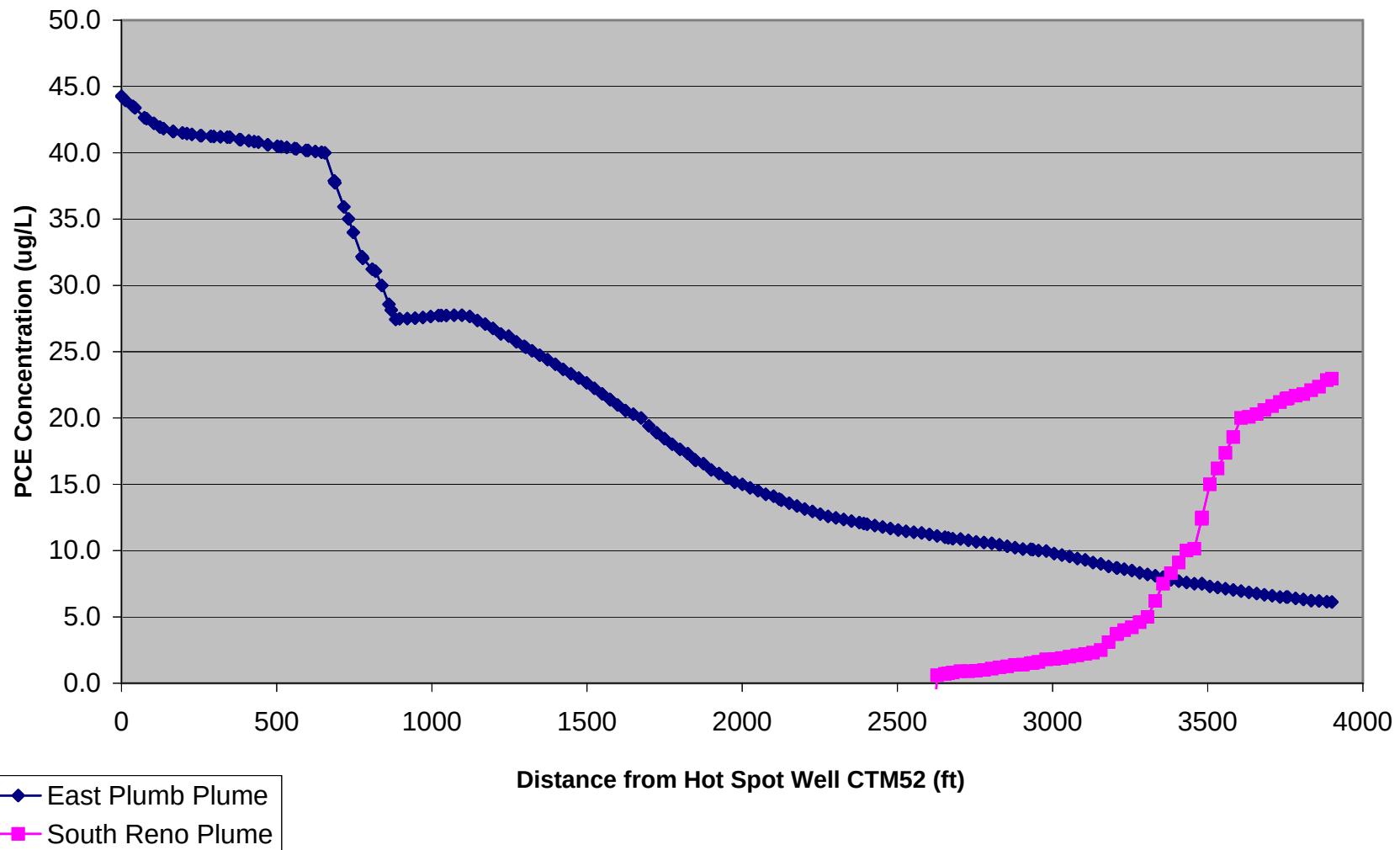




WorleyParsons Komex

resources & energy

Figure 6.6 : East Plumb Lane / South Reno Concentration Profile, Q2 2006

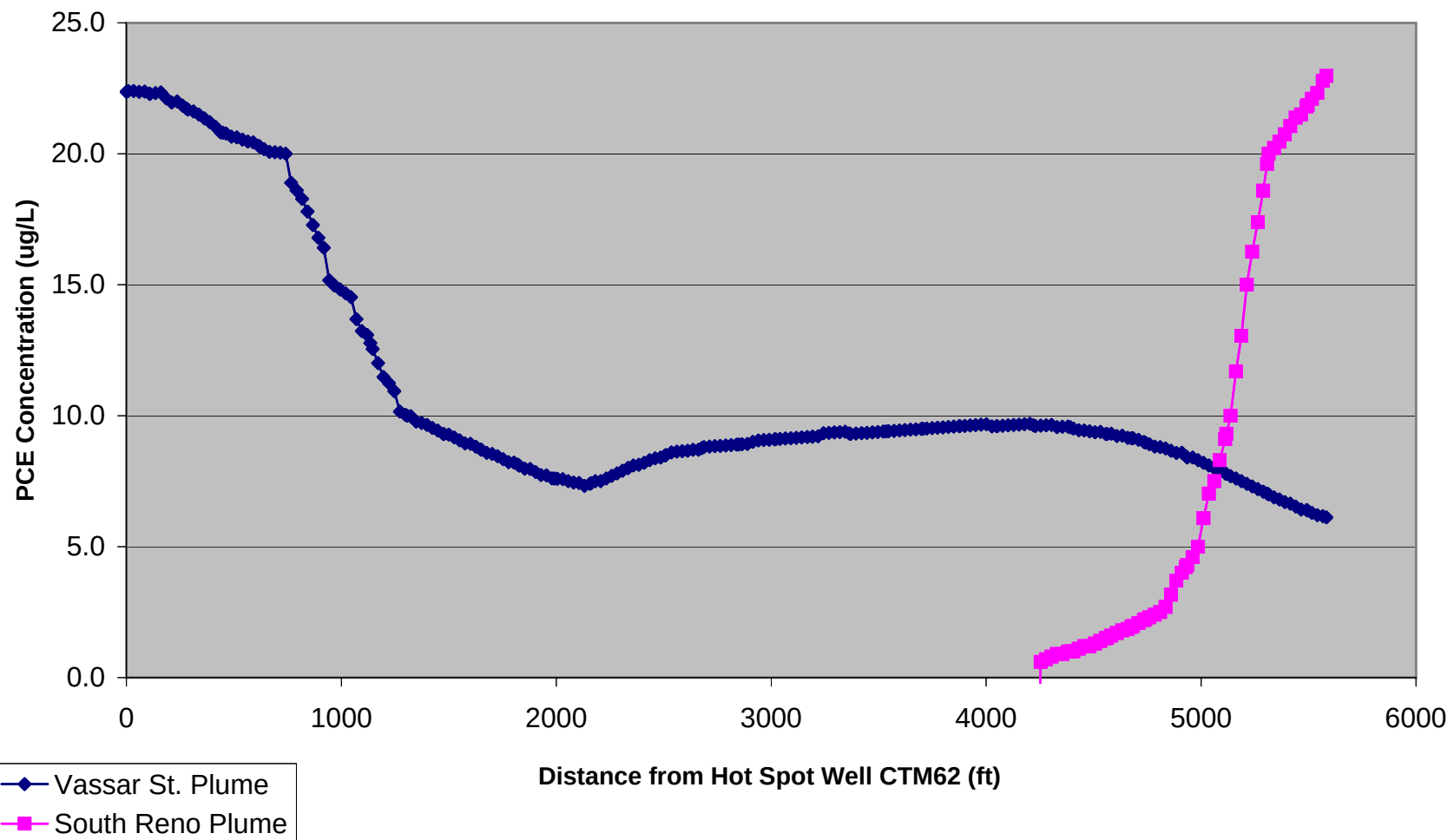


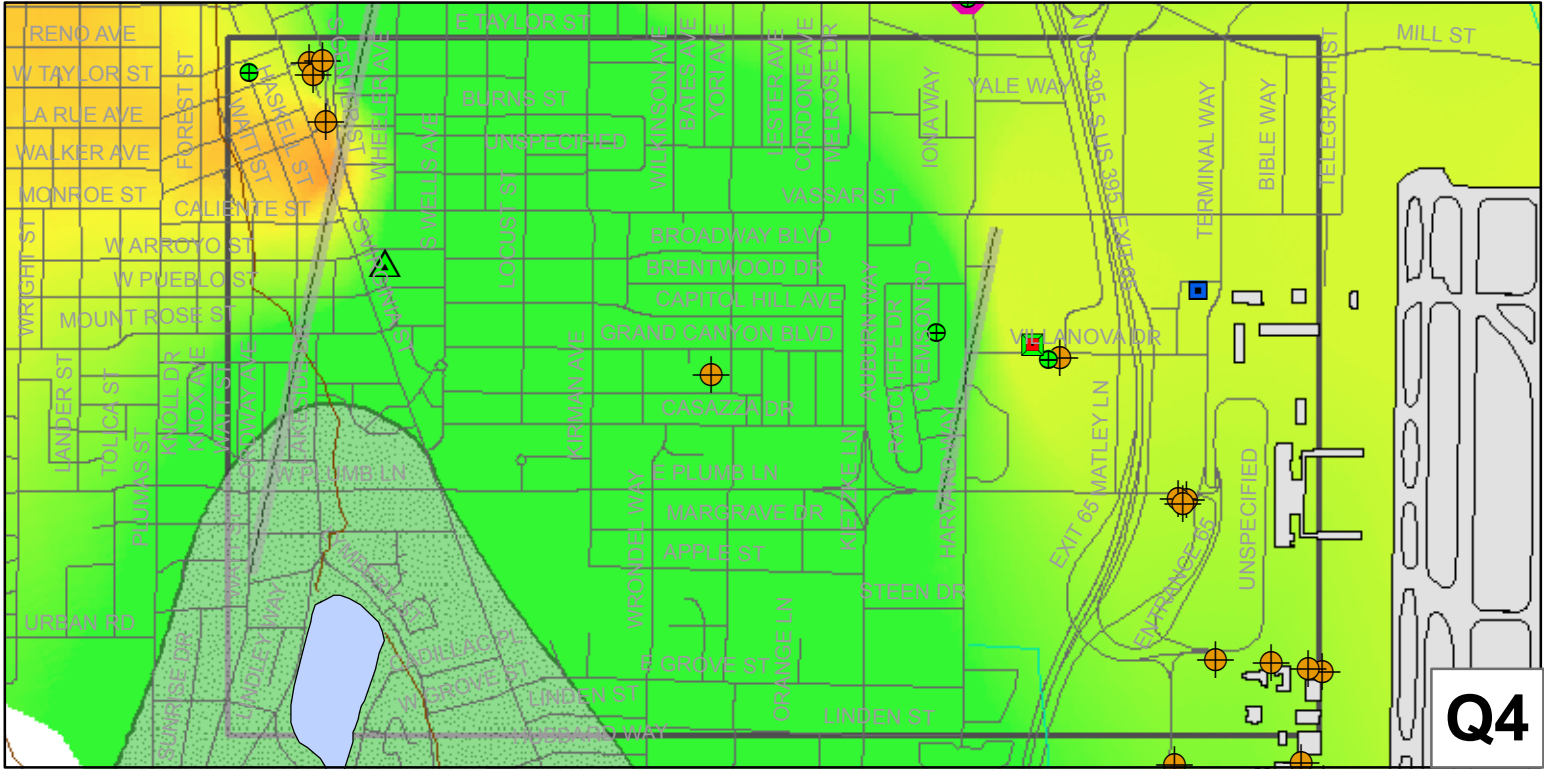
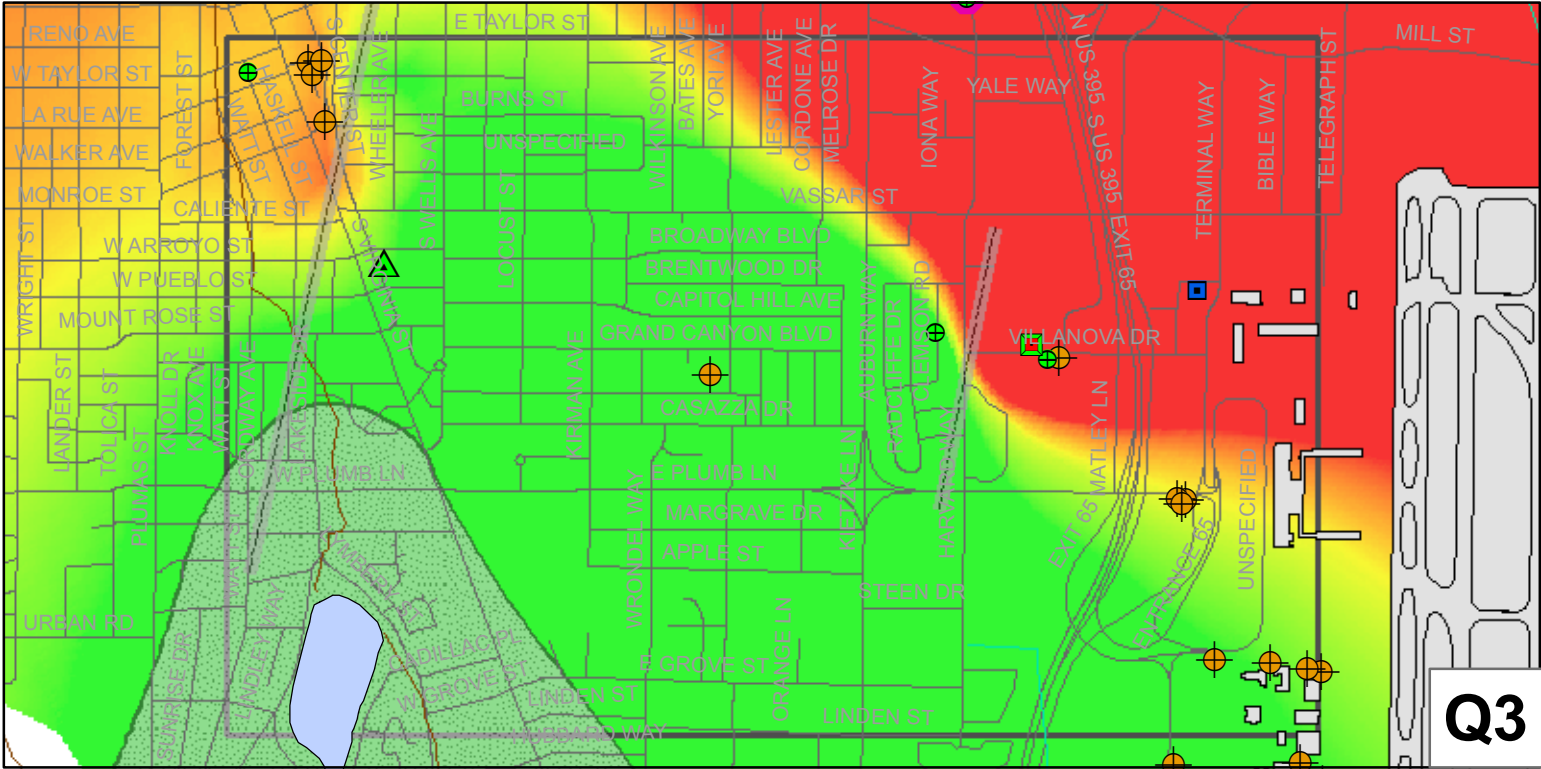
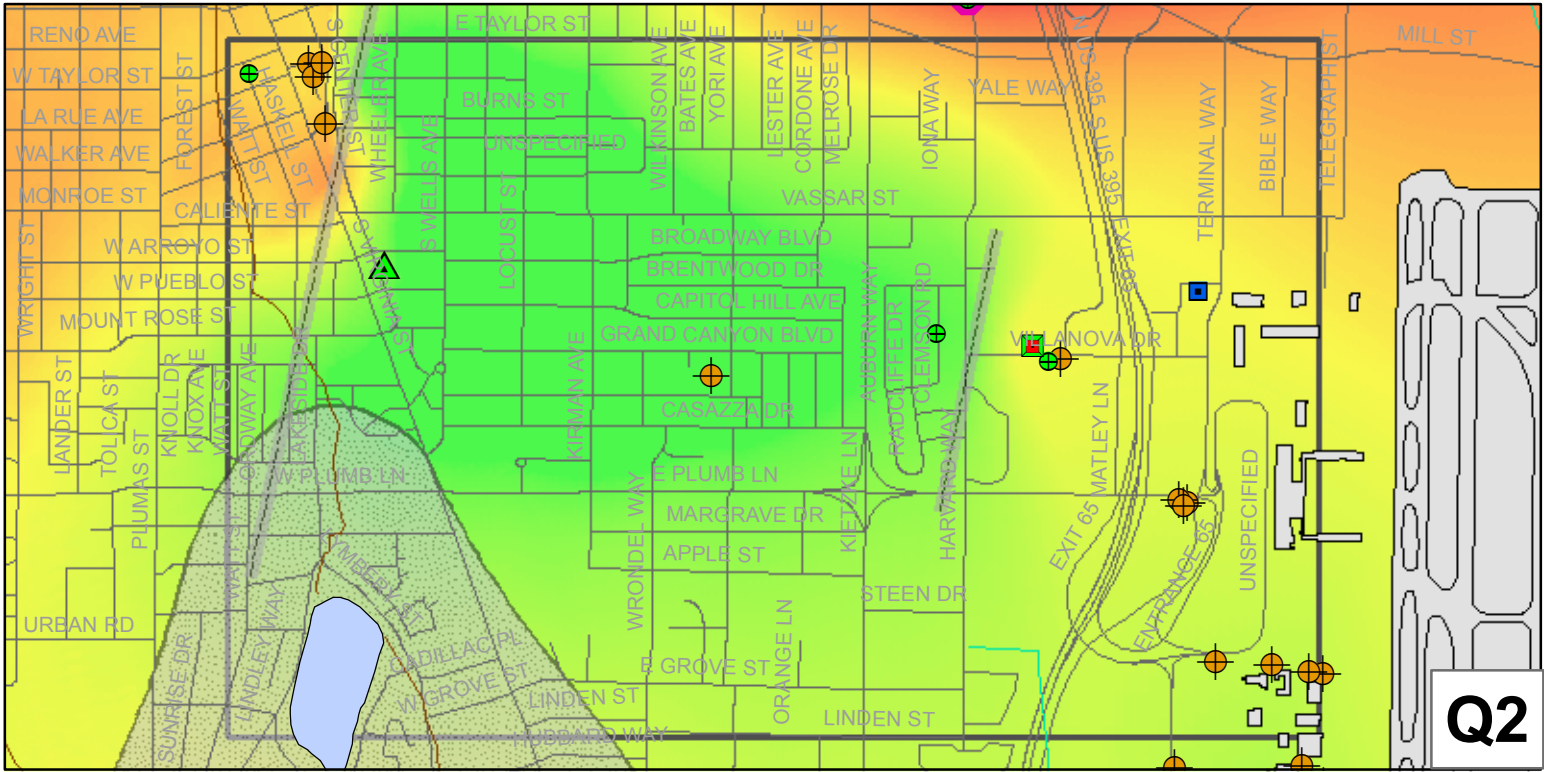
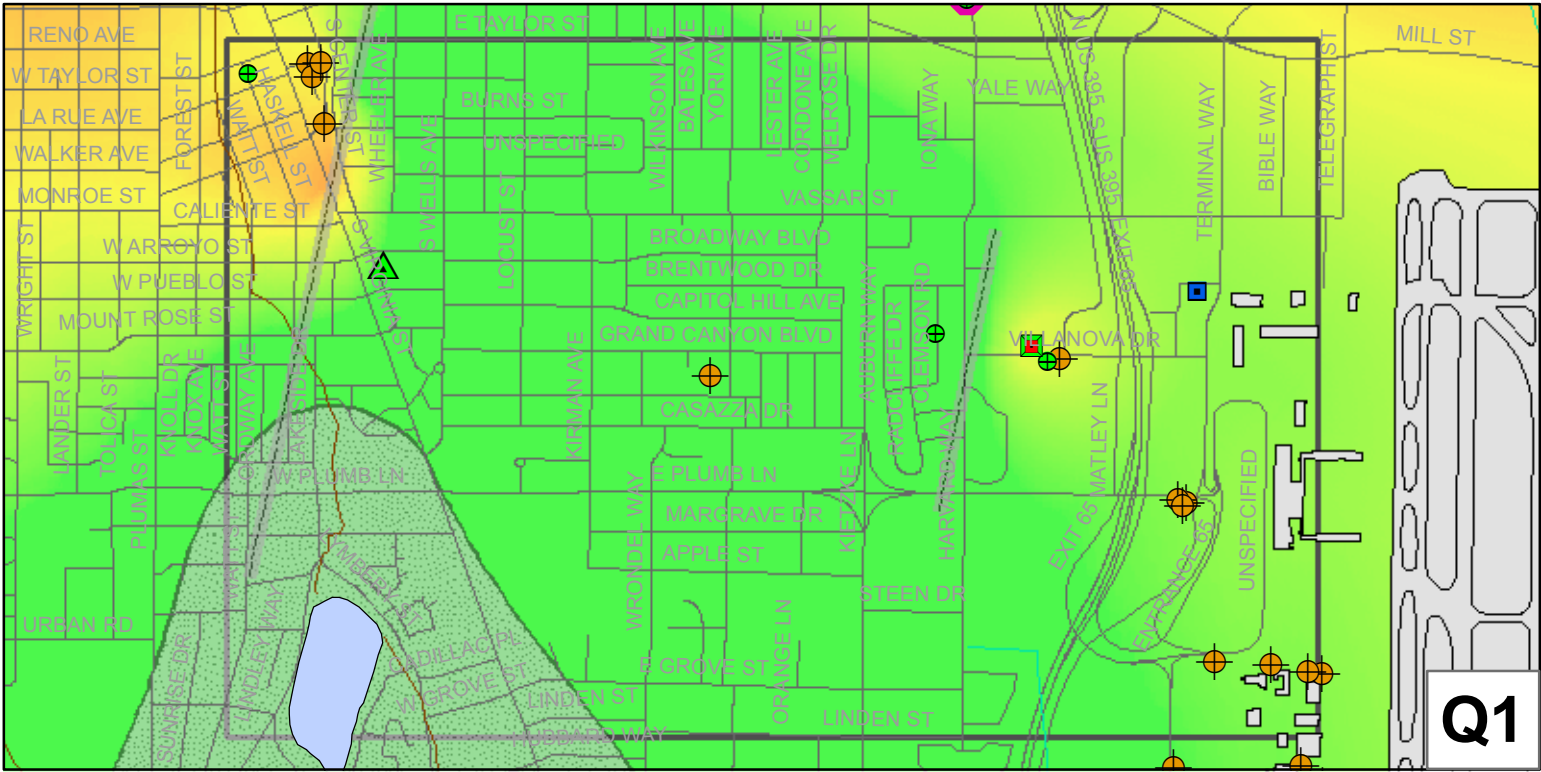


WorleyParsons Komex

resources & energy

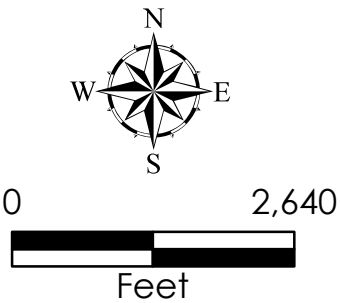
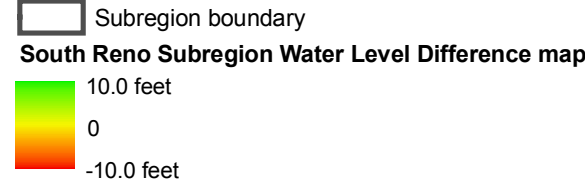
Figure 6.7: Vassar Street / South Reno Concentration Profile, Q2 2006



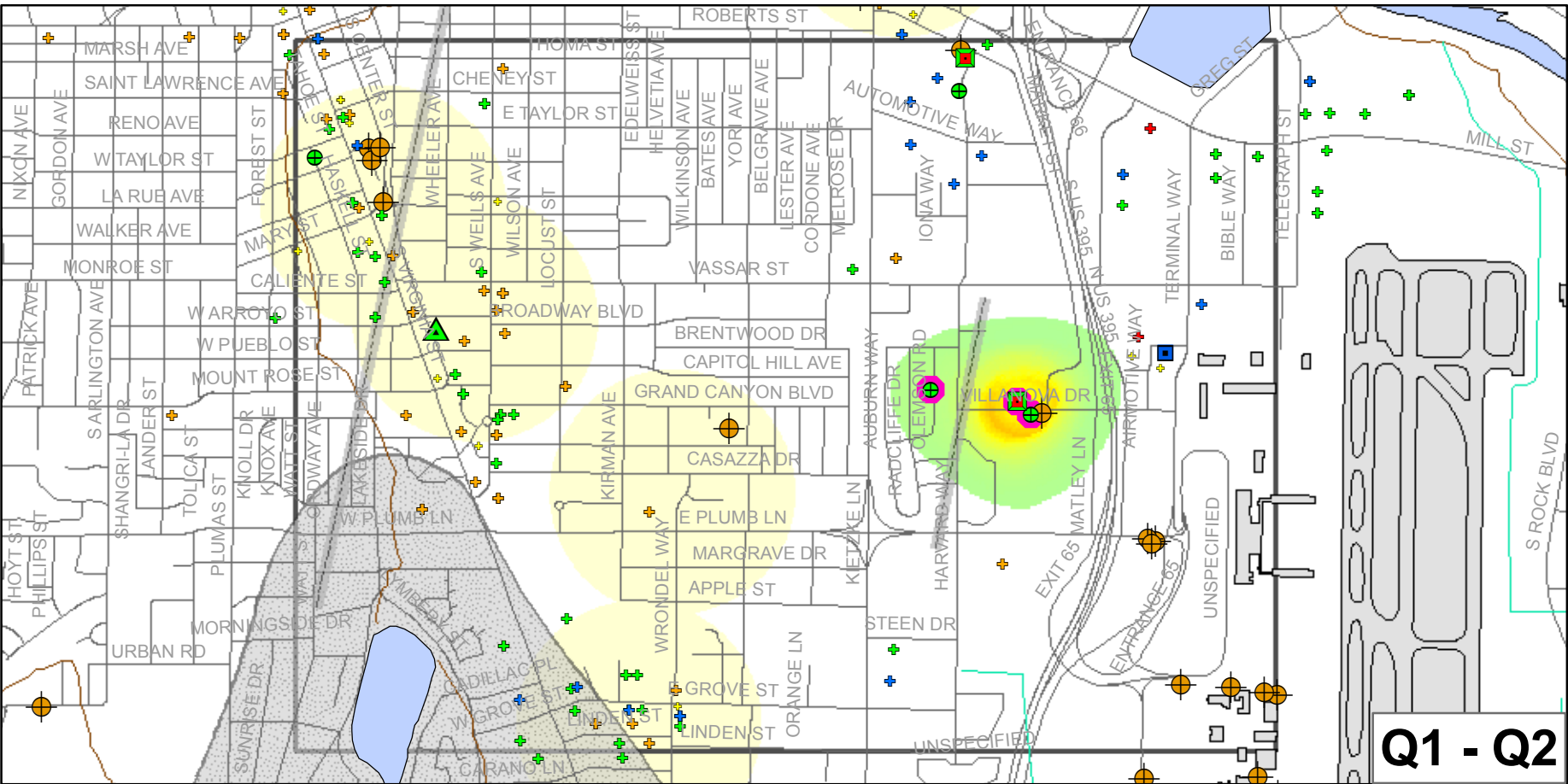


Notes: Q1-Q4, 2006 Water Level Difference calculated by subtracting the contoured water level elevation in the shallow zone from the contoured water level elevation in the deep zone.

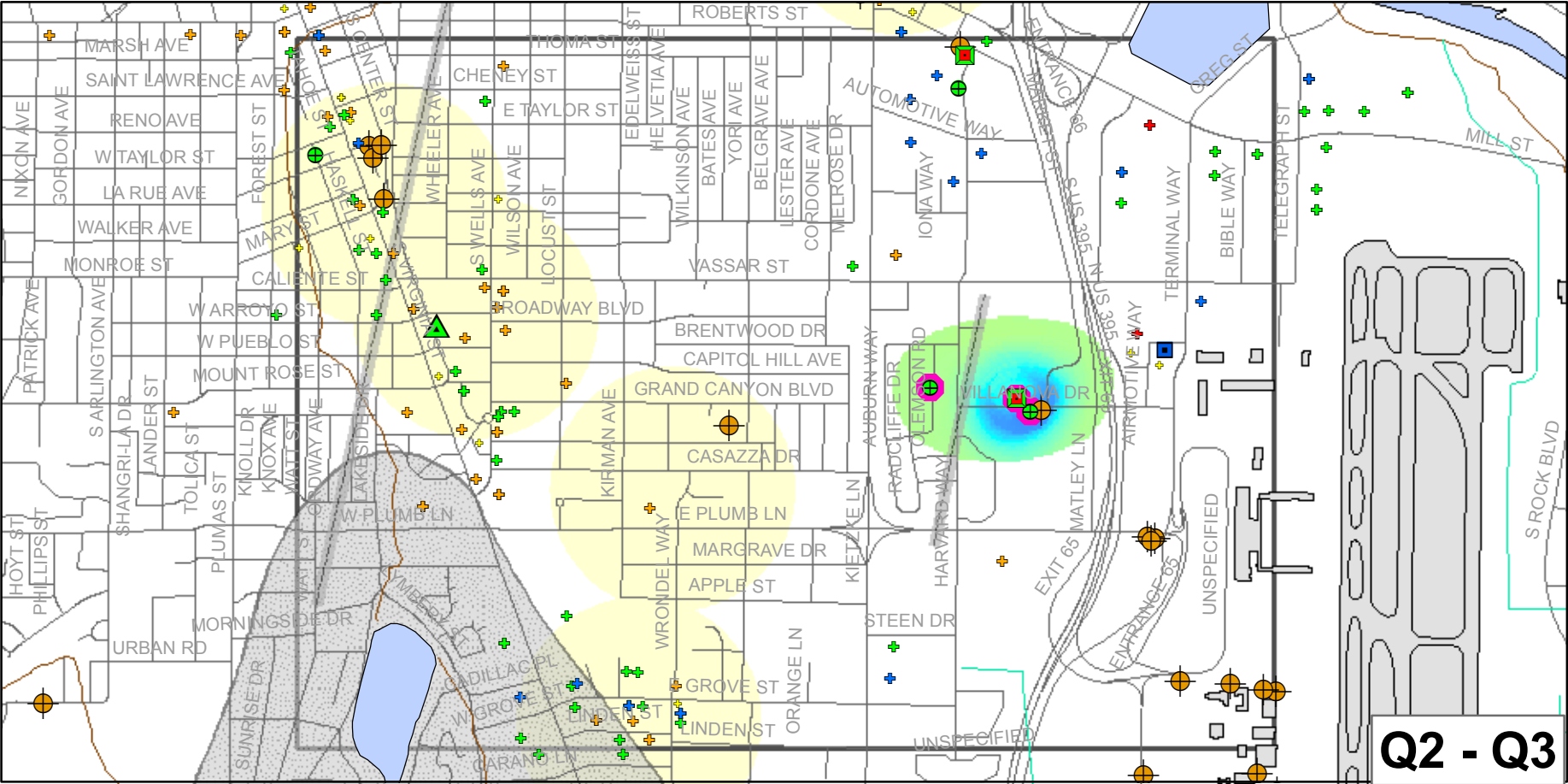
LEGEND



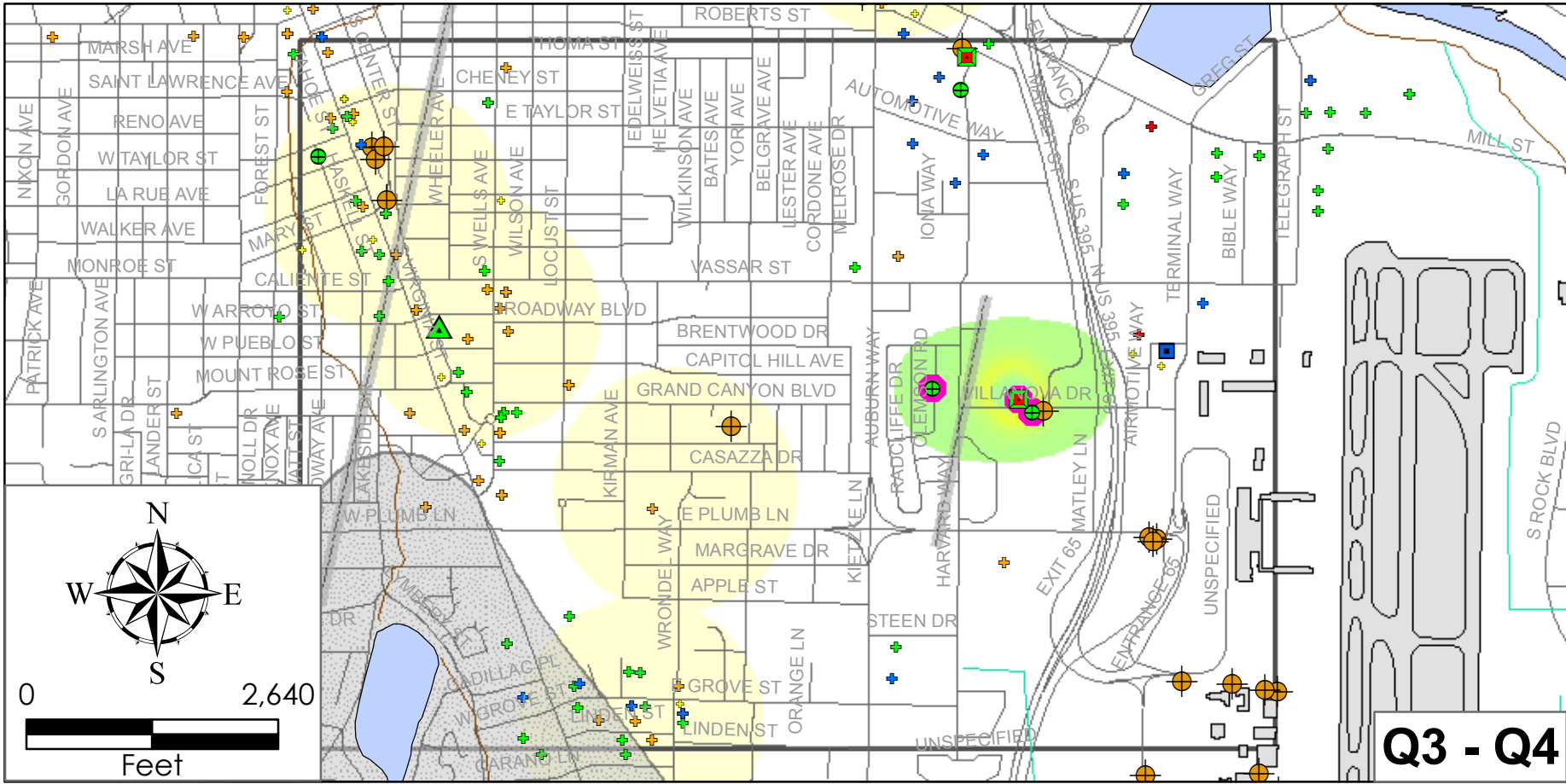
WASHOE COUNTY DWR		 WorleyParsons Komex resources & energy	
SOUTH RENO SUBREGION Q1-Q4 2006 WATER LEVEL DIFFERENCE MAP		MB	MT
		6N637B	6.8



Q1 - Q2

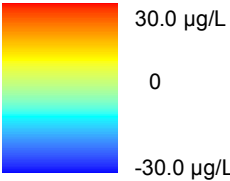


Q2 - Q3



Q3 - Q4

Notes:
PCE concentration change calculated using the formula: (Previous quarter subtracted from current quarter, ie., (Q2 - Q1)).



WASHOE COUNTY DWR



WorleyParsons Komex
resources & energy

**SOUTH RENO SUBREGION 2006
PCE CONCENTRATION CHANGE**

SWL

PM

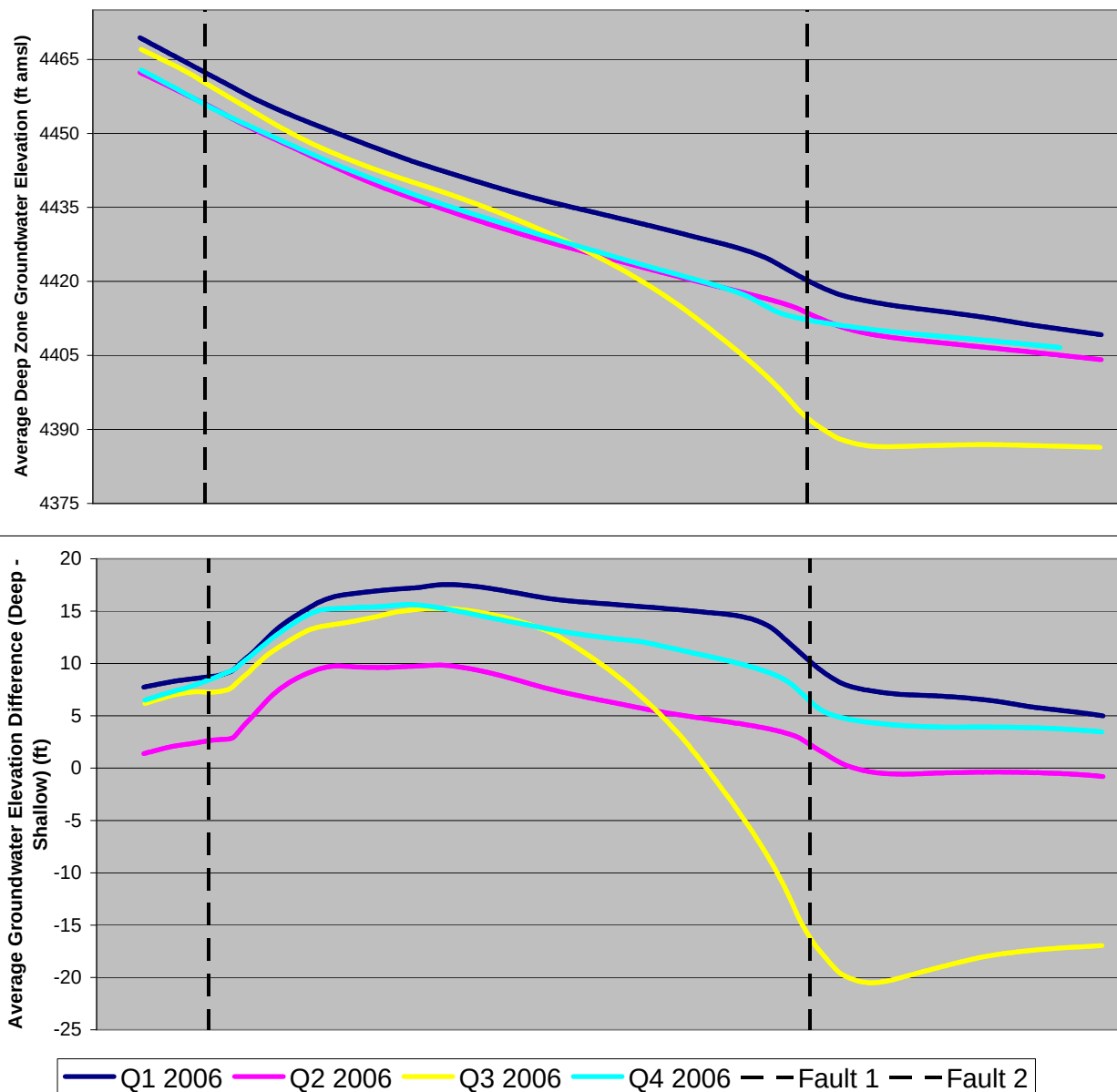
01/2008

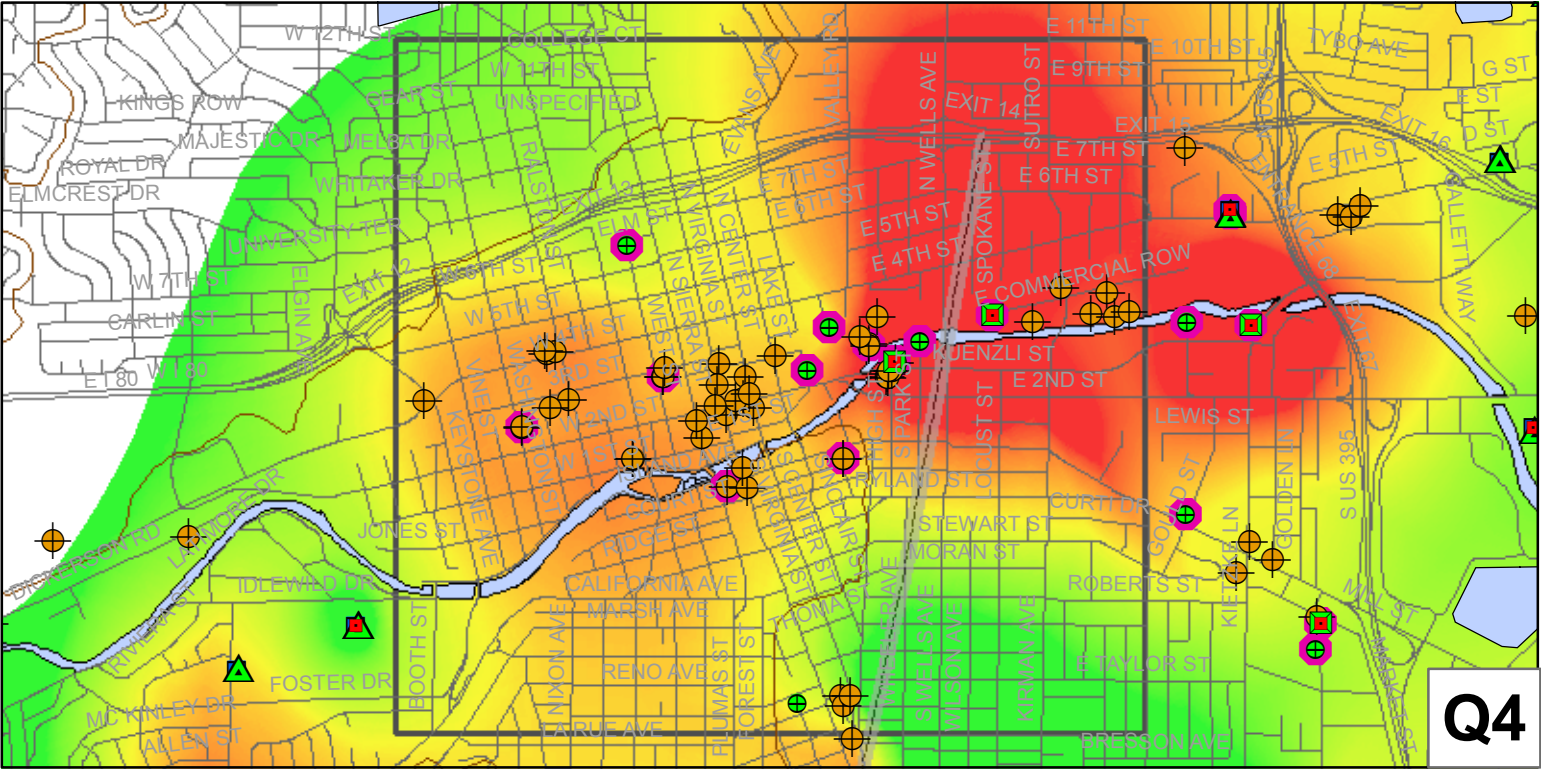
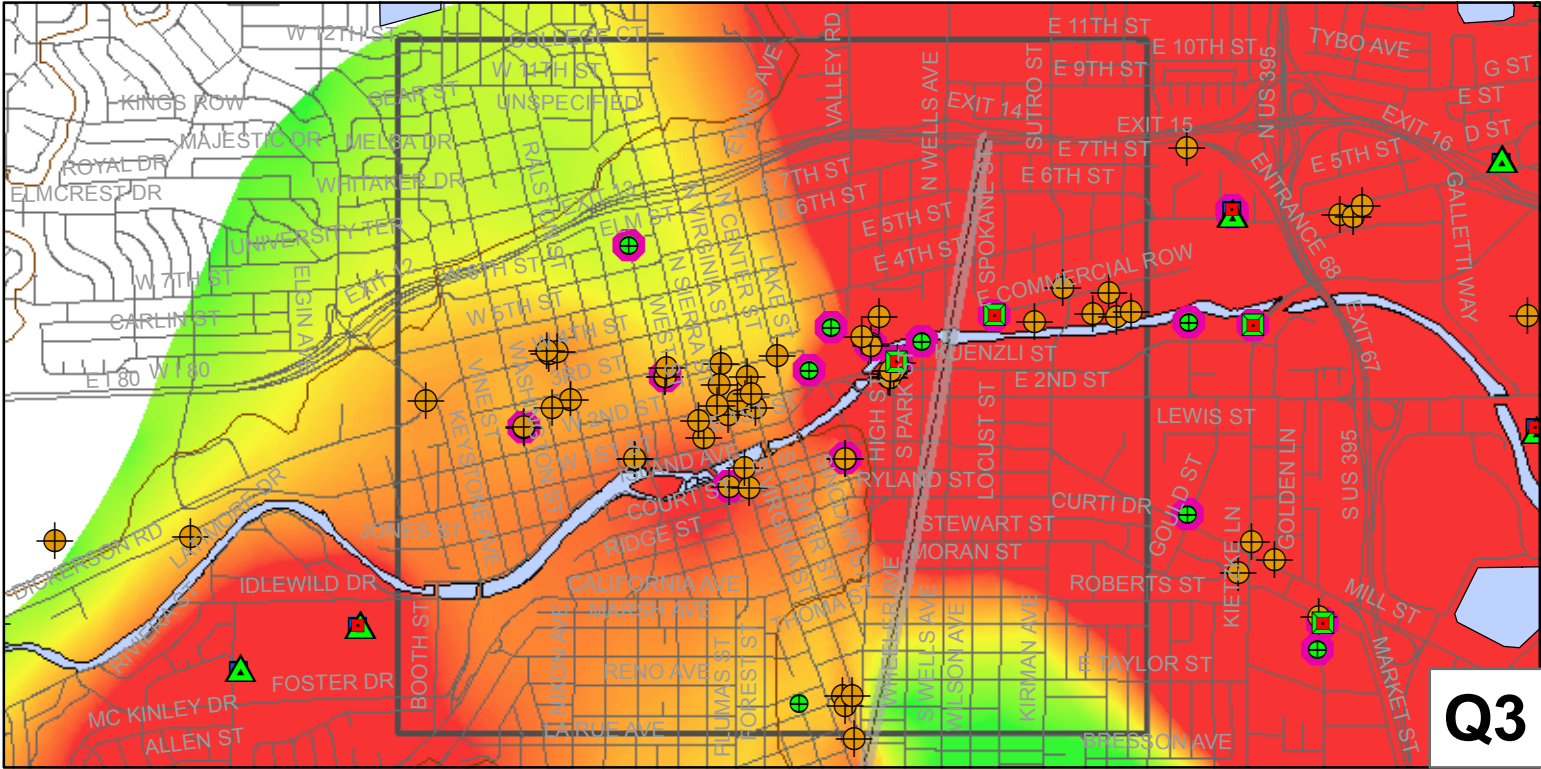
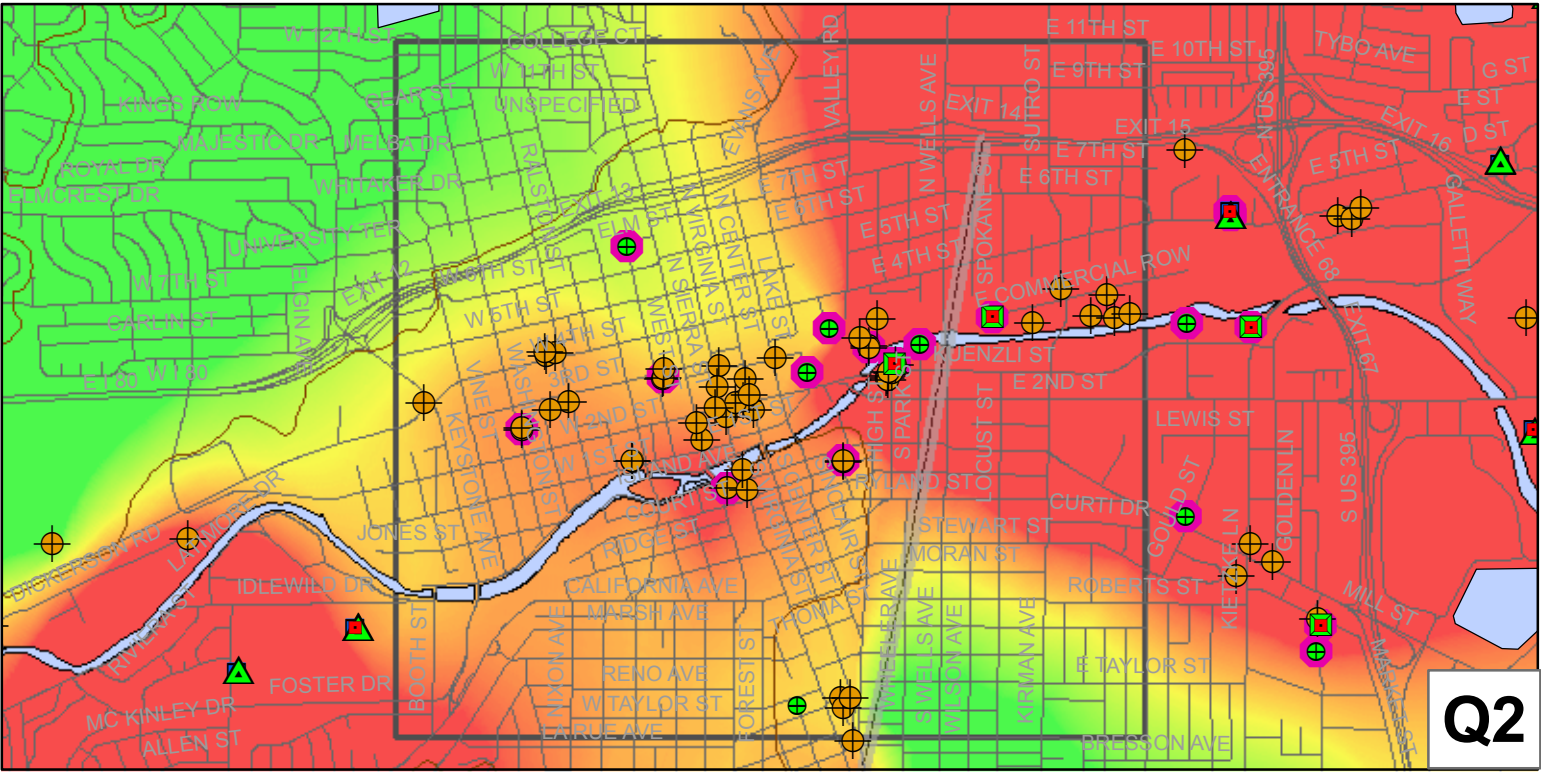
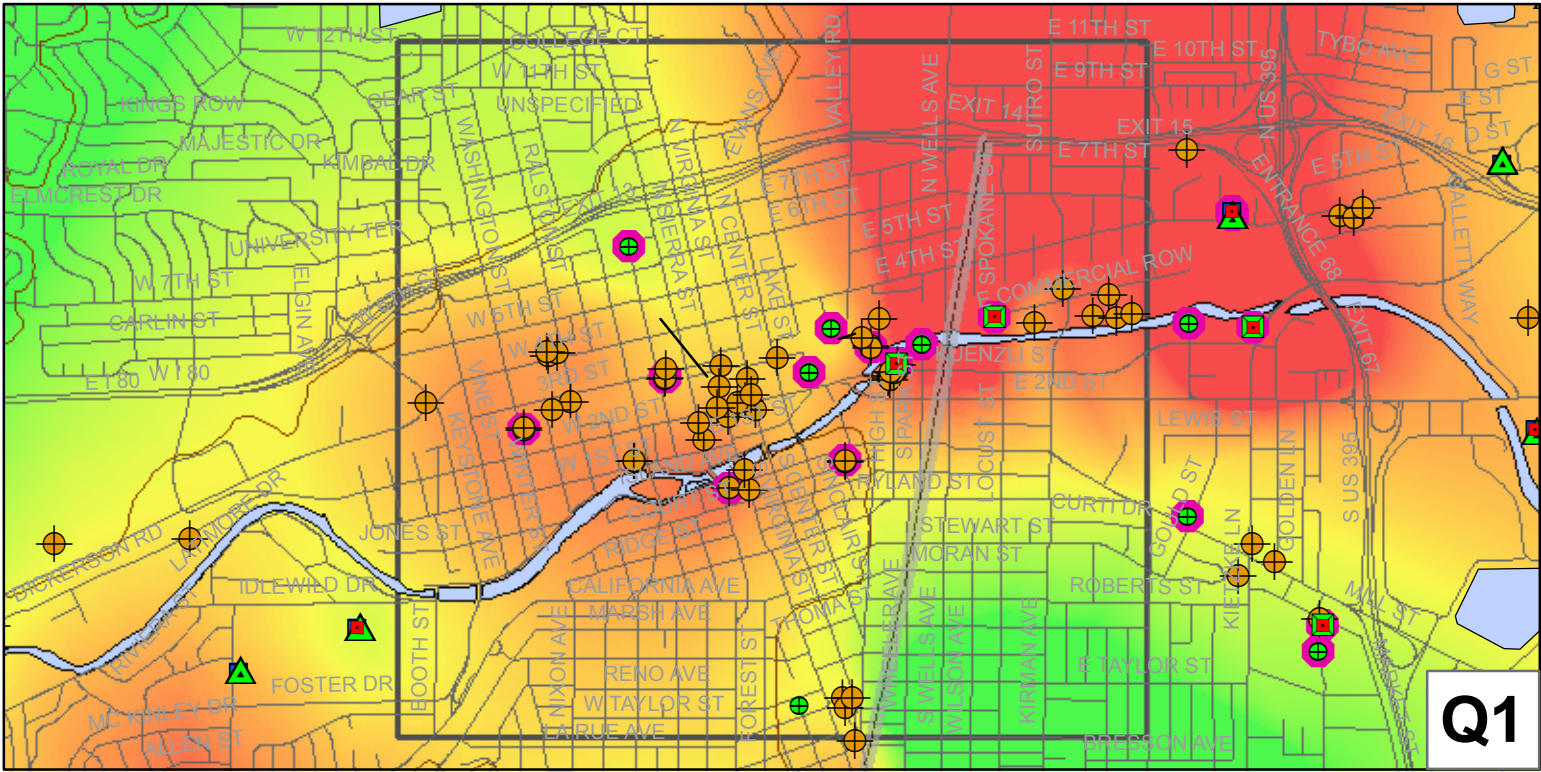
6N637B30

6.9



Figure 6.10: Average 2006 Groundwater Elevation and Groundwater Elevation Difference
South Reno Plume Subregion





Notes: Q1-Q4, 2006 Water Level Difference calculated by subtracting the contoured water level elevation in the shallow zone from the contoured water level elevation in the deep zone.

LEGEND

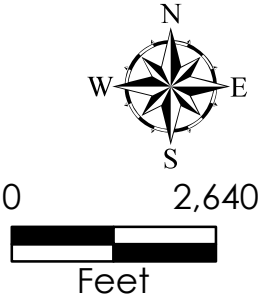
Subregion boundary

West 4th Street Subregion Water Level Difference map

10.0 feet

0

-10.0 feet



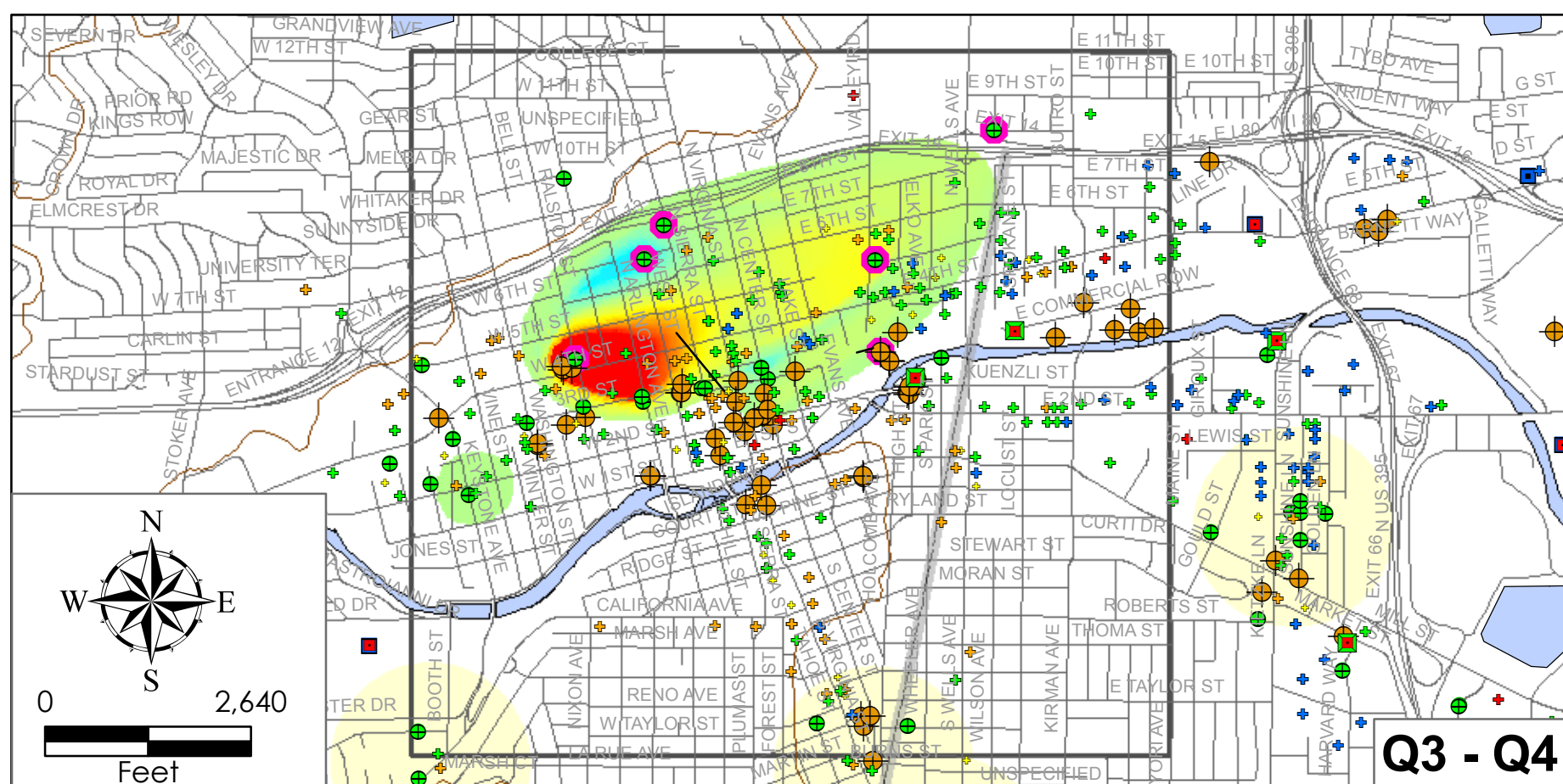
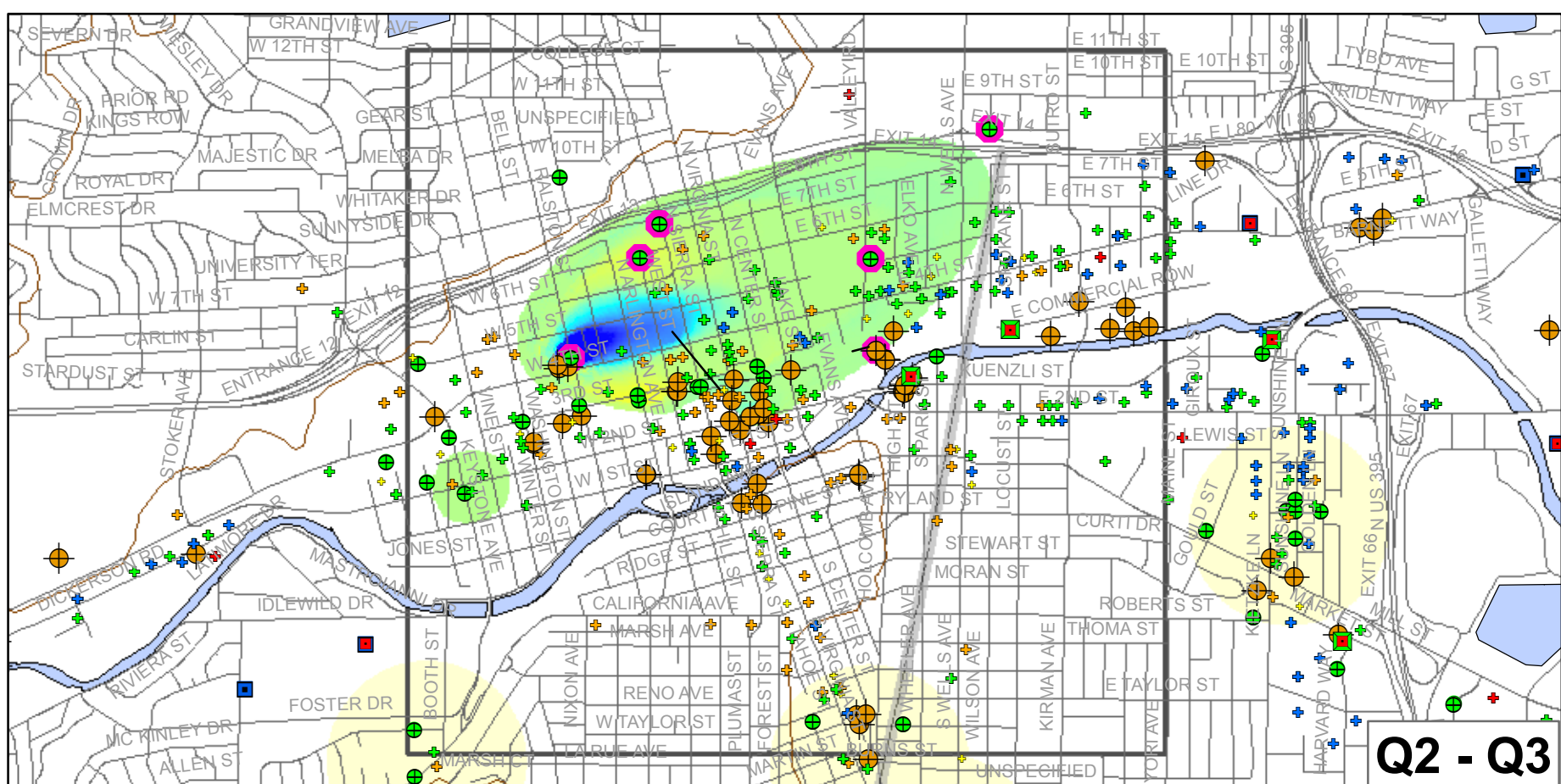
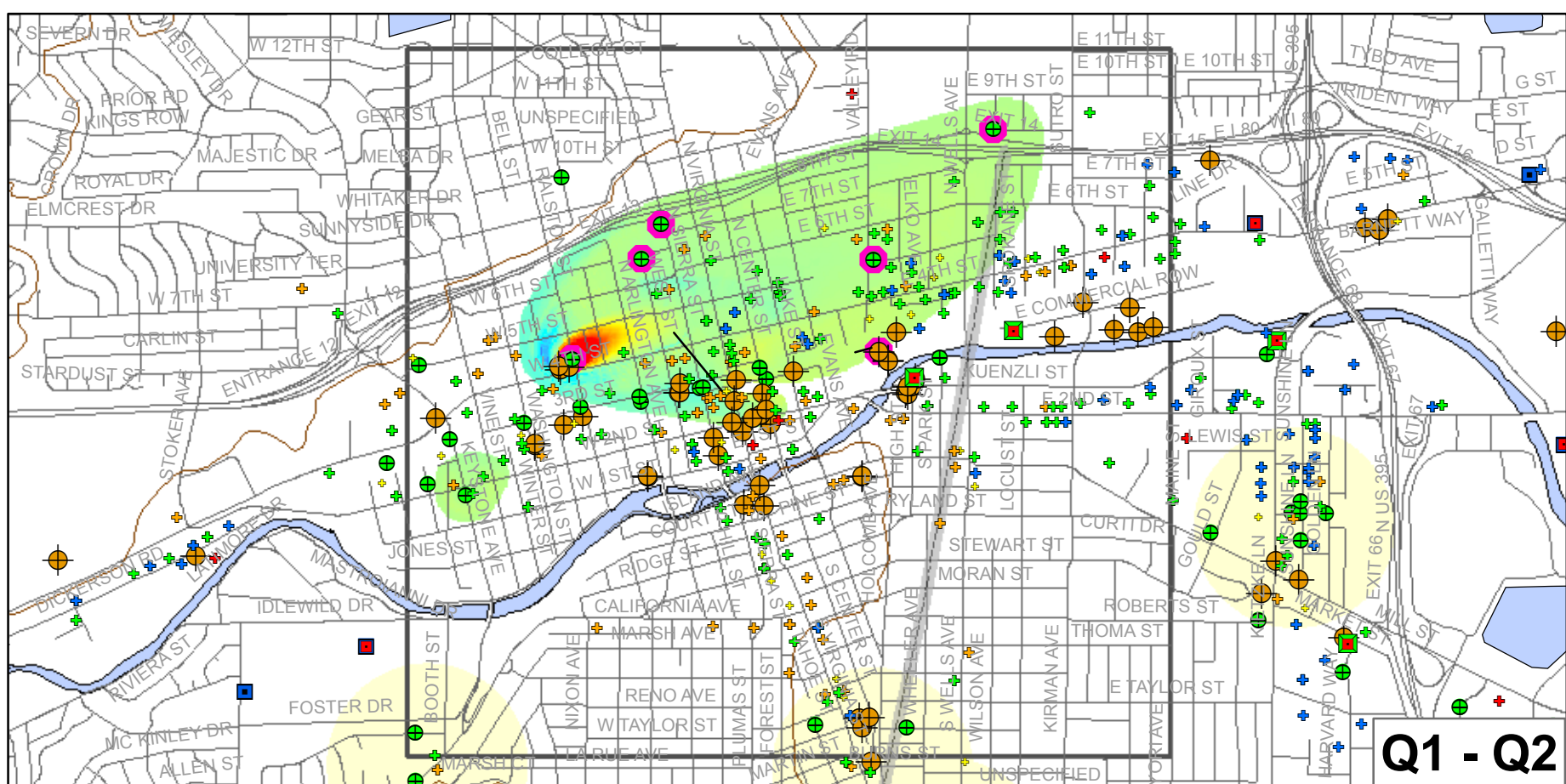
WASHOE COUNTY DWR

**WorleyParsons Komex**
resources & energy

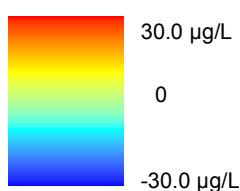
**WEST 4TH STREET SUBREGION Q1-Q4 2006
WATER LEVEL DIFFERENCE MAP**

MBMT01/2008

6N637B6.11



Notes: PCE concentration change calculated using the formula: (Previous quarter subtracted from current quarter, ie., (Q2 - Q1)).



WASHOE COUNTY DWR



WorleyParsons Komex
resources & energy

WEST 4TH STREET SUBREGION 2006 PCE CONCENTRATION CHANGE

SWL

PM

01/2008

6N637B30

6.12

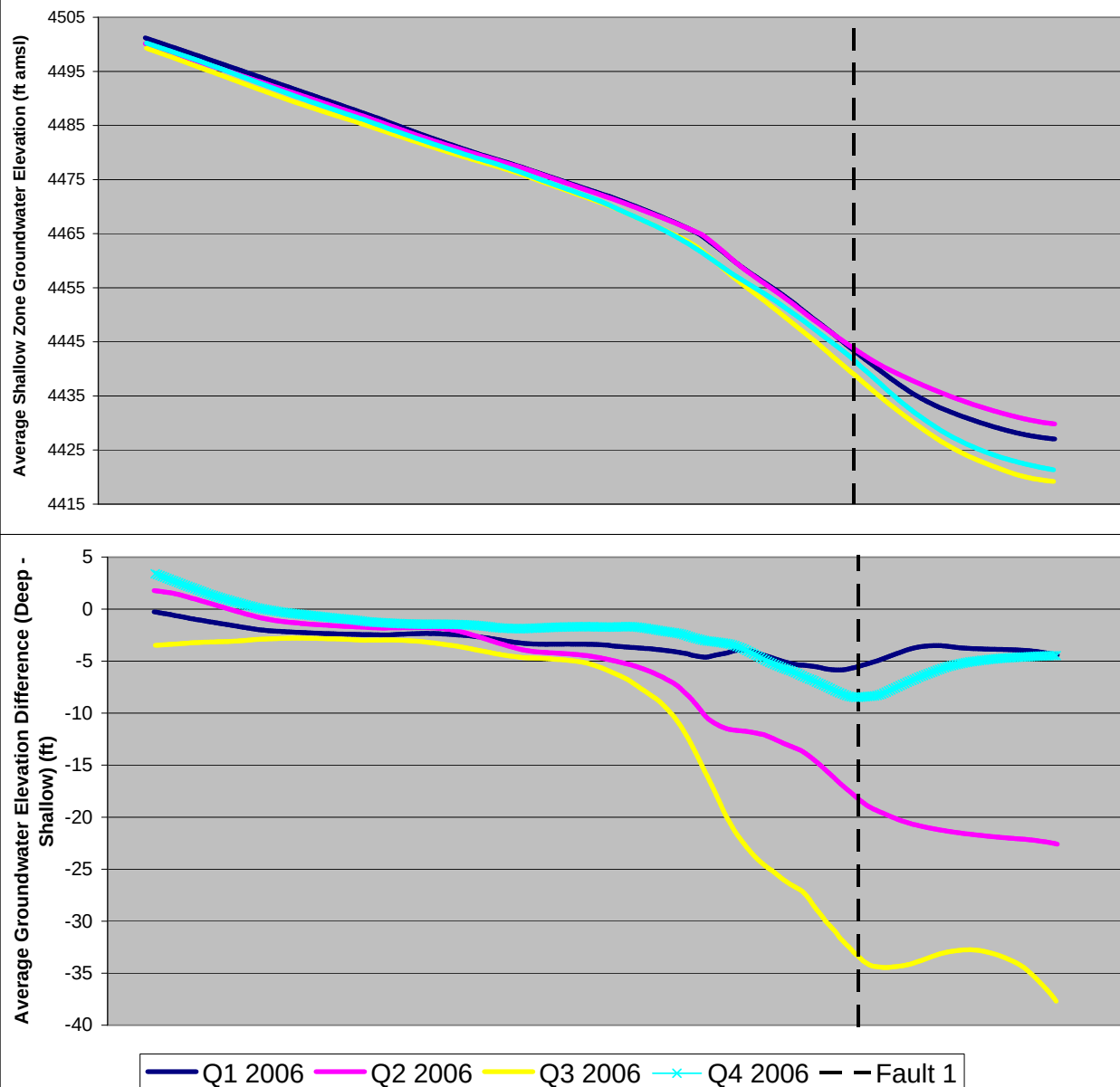


WorleyParsons Komex

resources & energy

Figure 6.13: Average 2006 Groundwater Elevation and Groundwater Elevation Difference

West 4th Street Plume Subregion

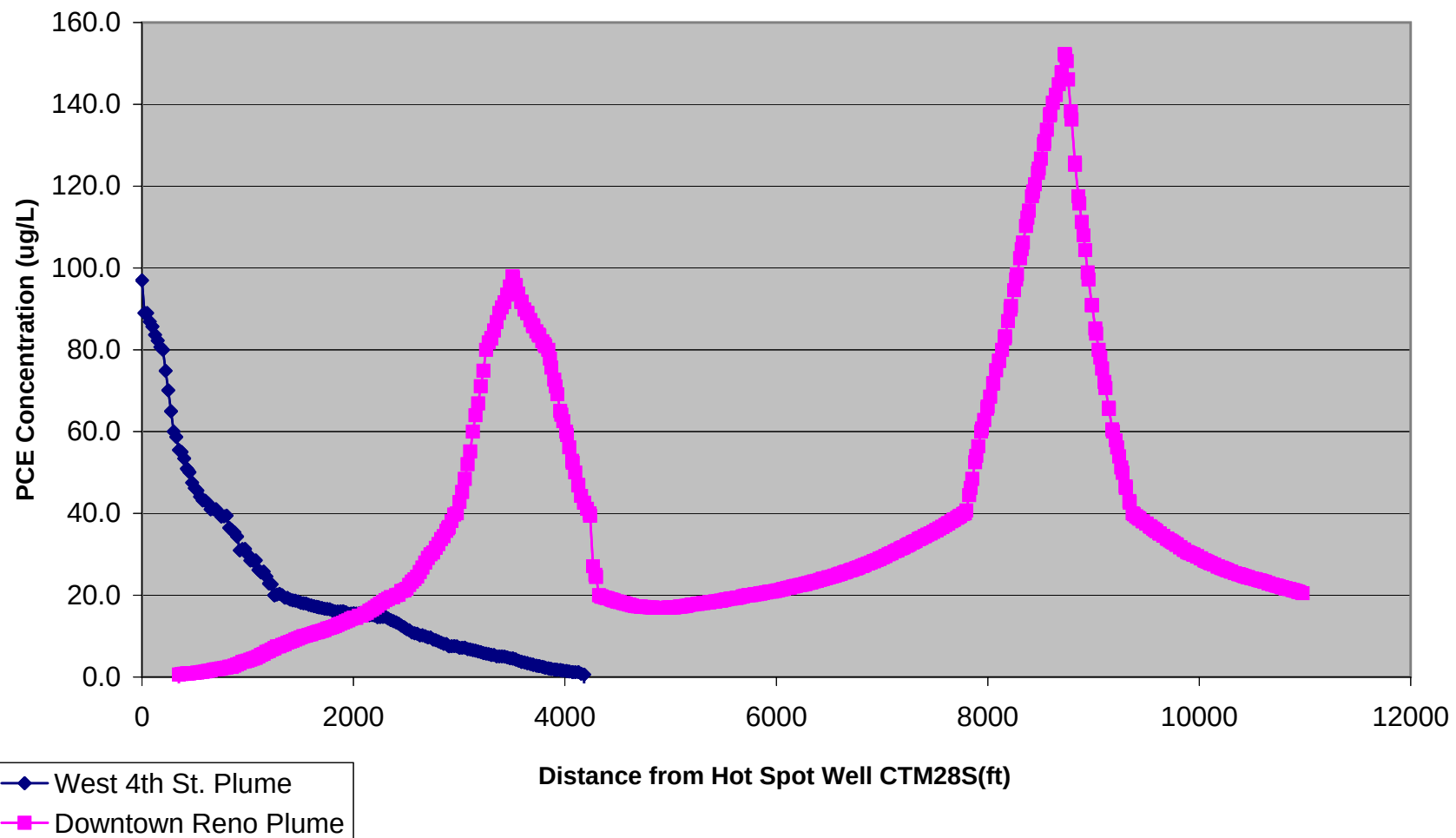




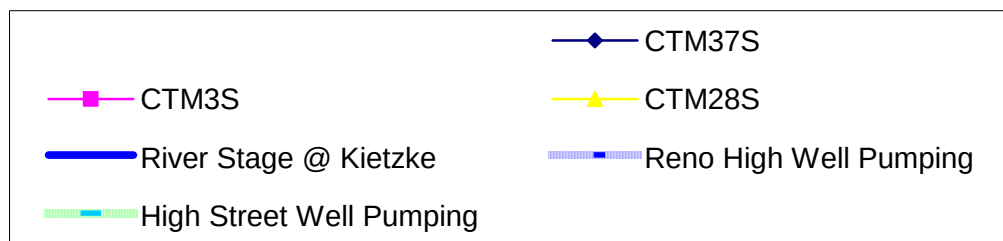
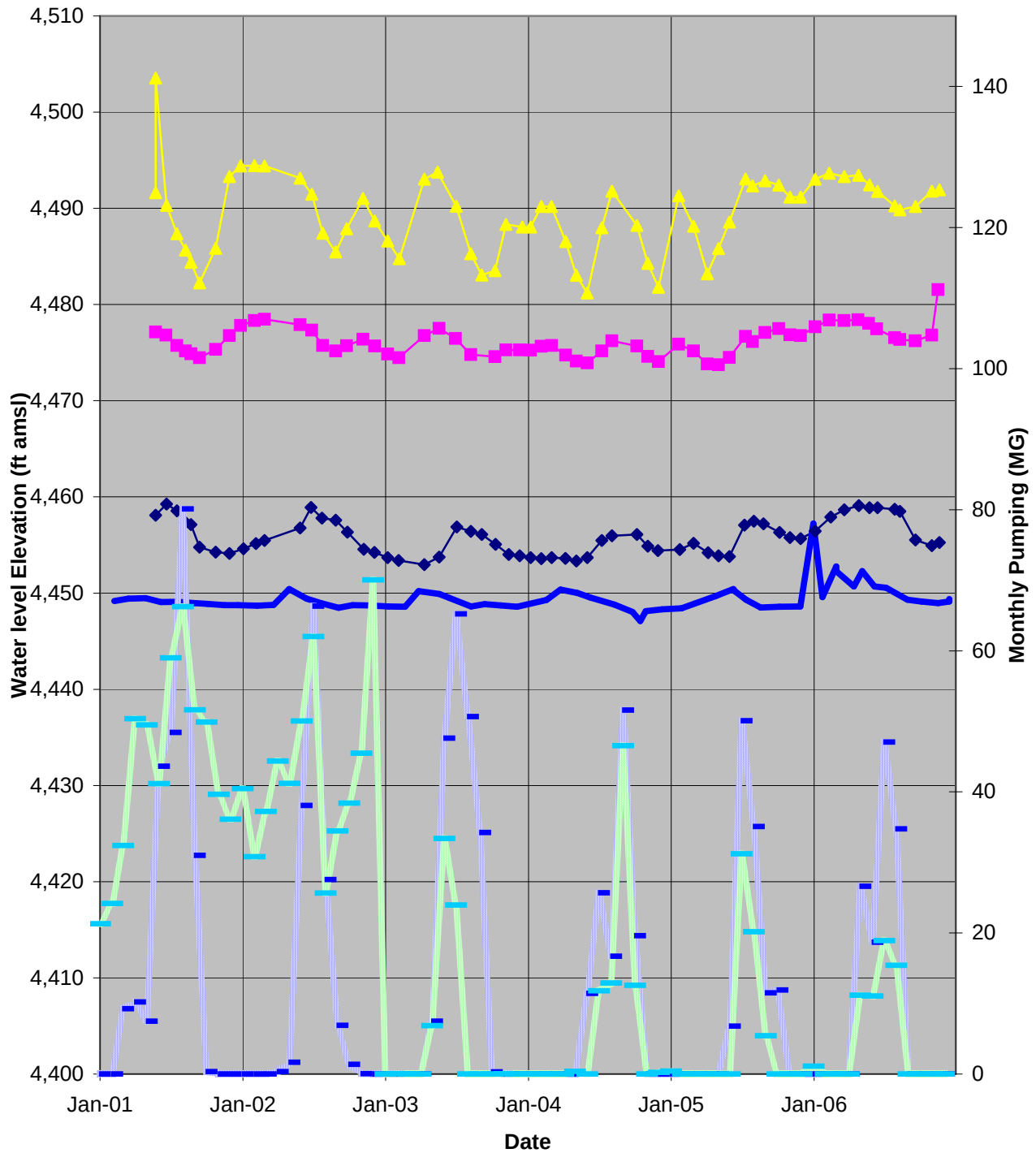
WorleyParsons Komex

resources & energy

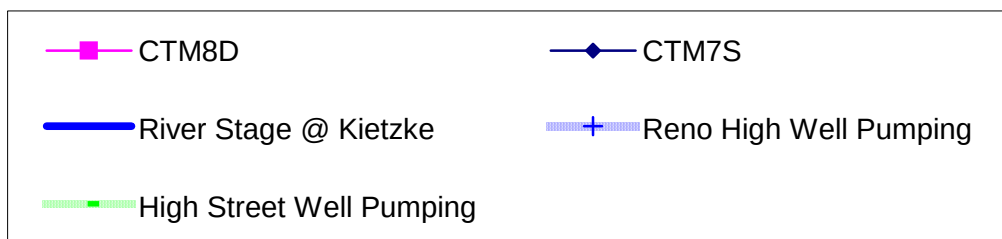
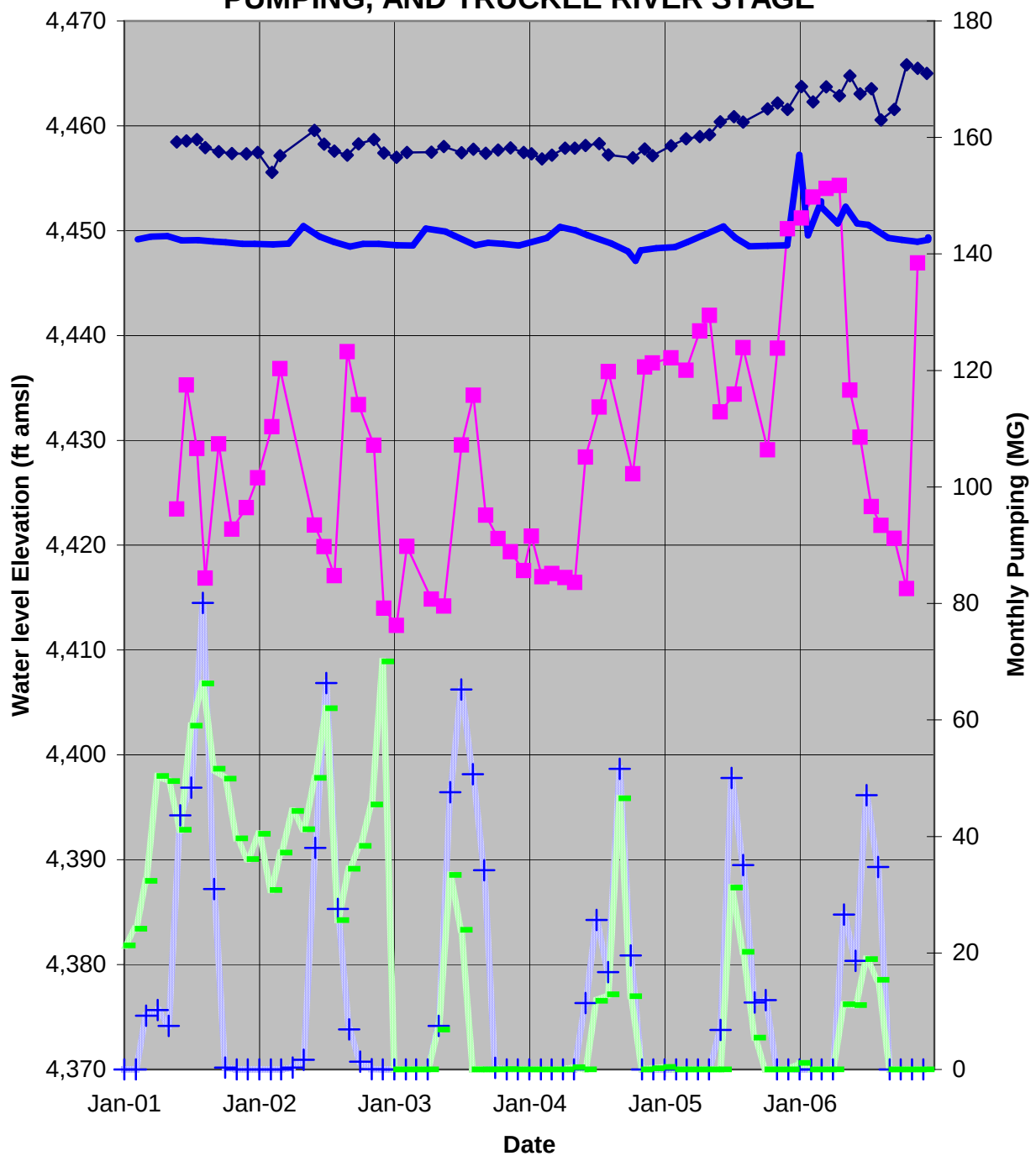
Figure 6.14: West 4th Street / Downtown Reno Concentration Profile, Q2 2006

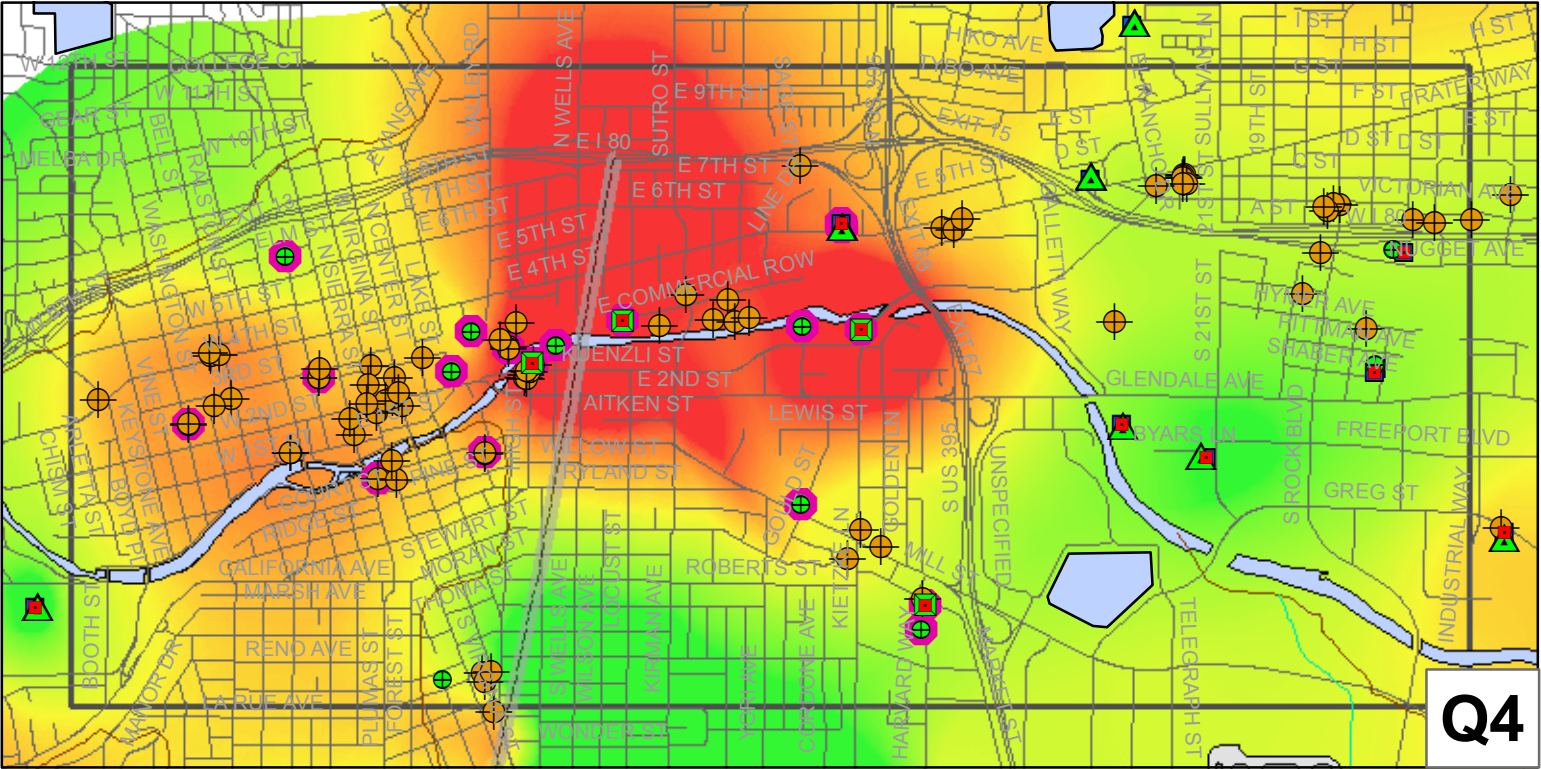
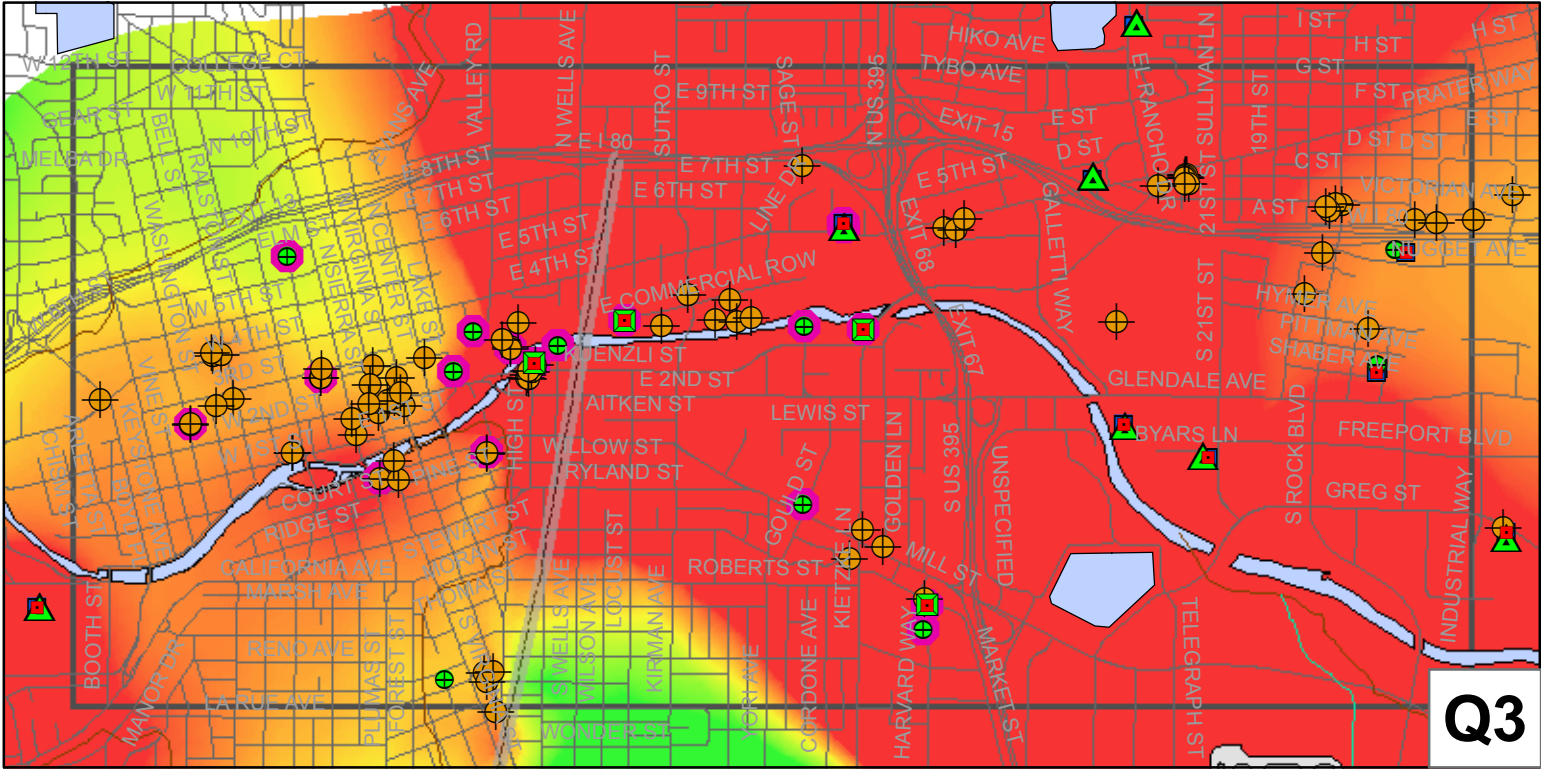
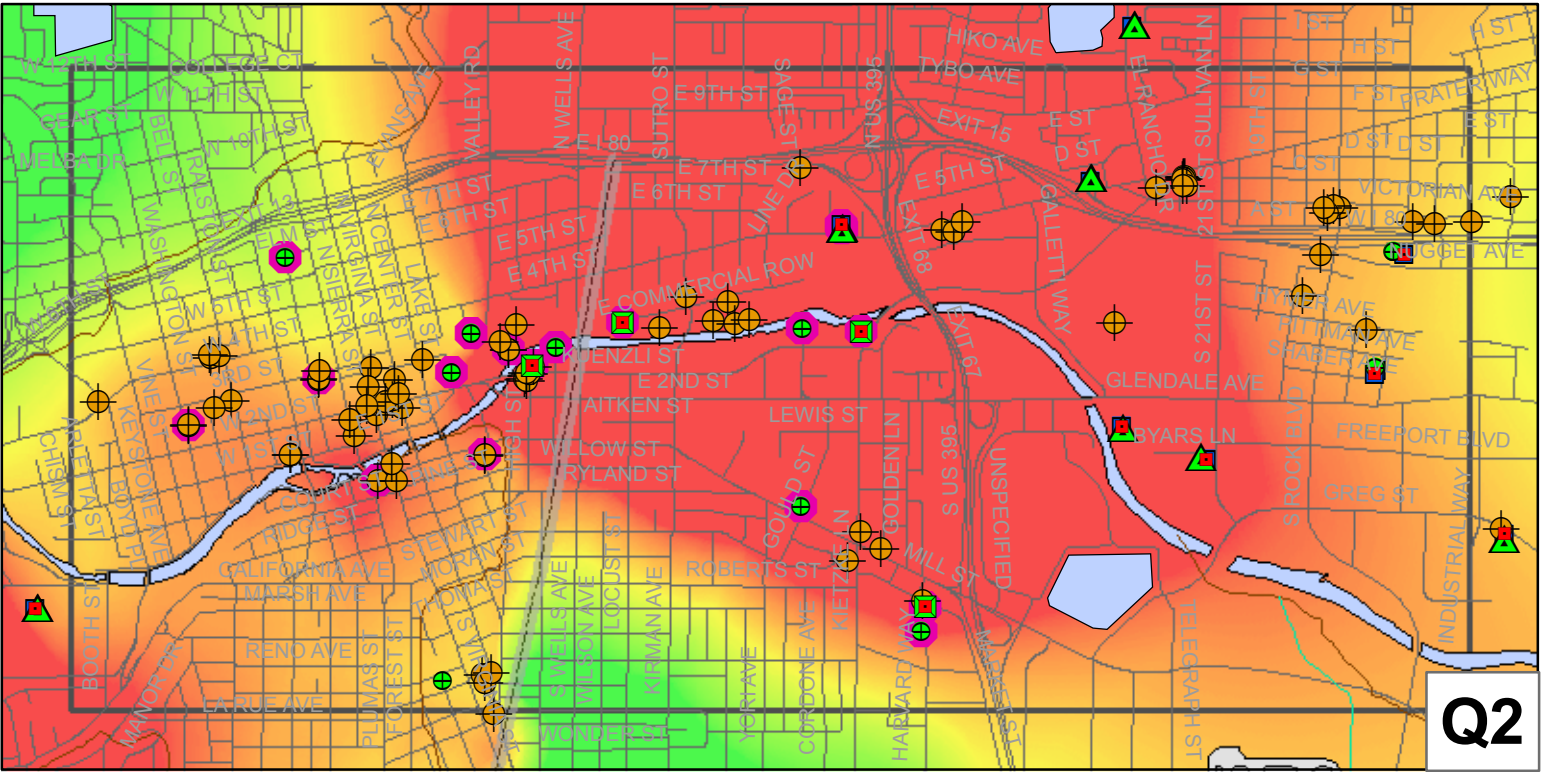
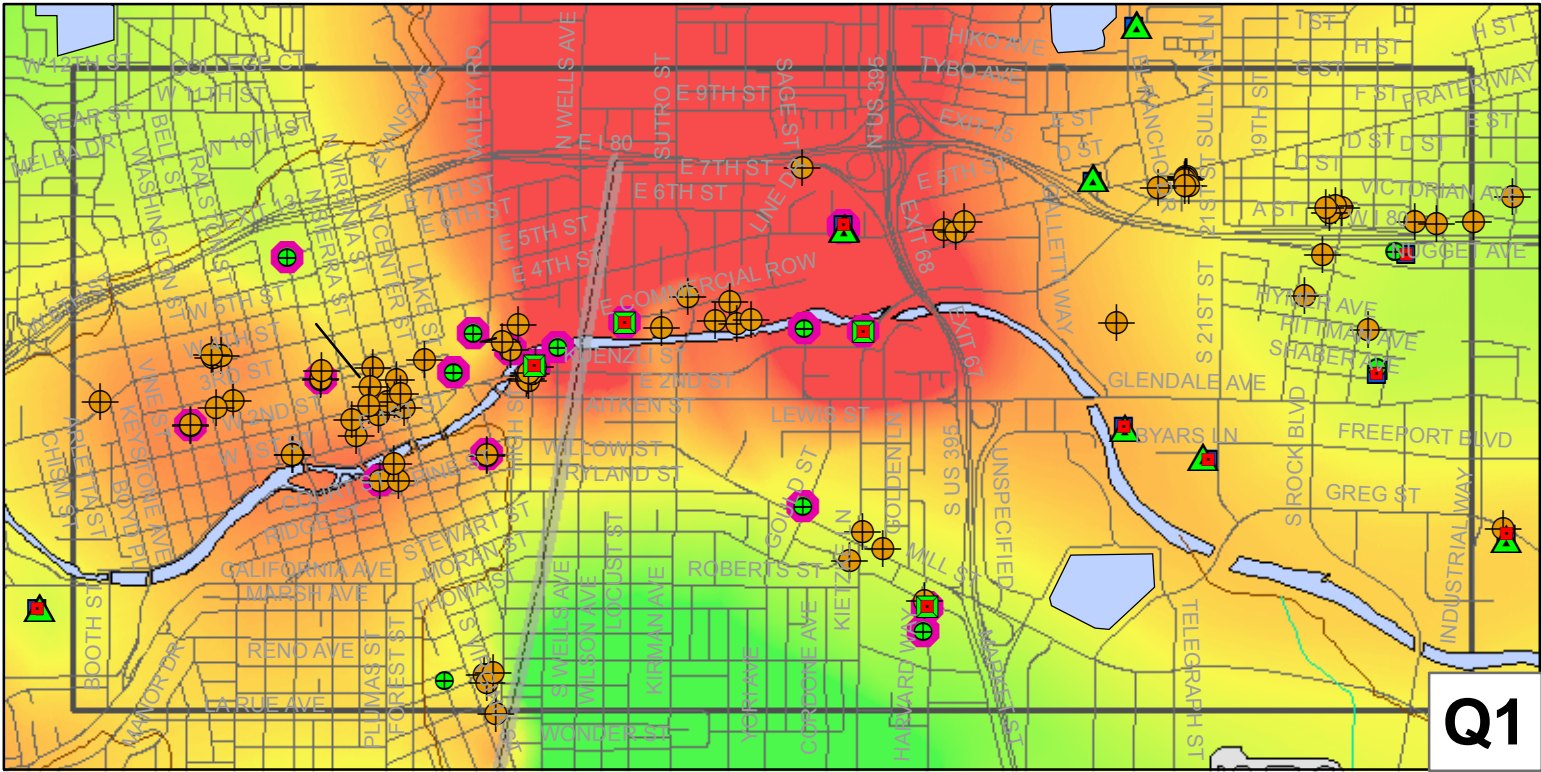


**FIGURE 6.15a COMPARISON OF WEST 4TH STREET KEY WELL
HYDROGRAPHS, RENO HIGH AND HIGH STREET WELL PUMPING, AND
TRUCKEE RIVER STAGE**



**FIGURE 6.15b COMPARISON OF CTM7S and CTM8D
HYDROGRAPHS, RENO HIGH AND HIGH STREET WELL
PUMPING, AND TRUCKEE RIVER STAGE**





Notes: Q1-Q4, 2006 Water Level Difference calculated by subtracting the contoured water level elevation in the shallow zone from the contoured water level elevation in the deep zone.

LEGEND

Subregion boundary

Downtown Reno Subregion Water Level Difference map

10.0 feet

0

-10.0 feet

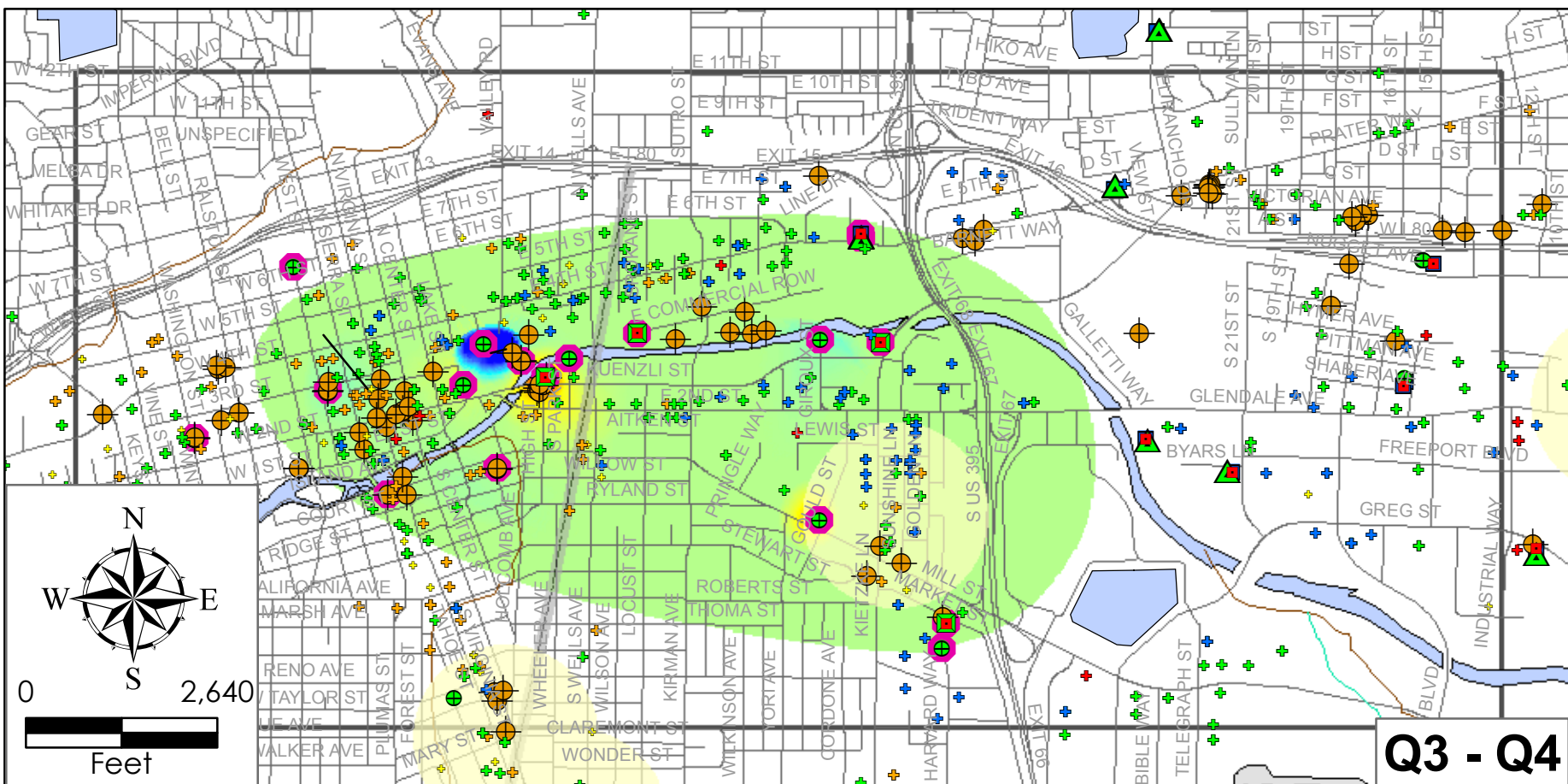
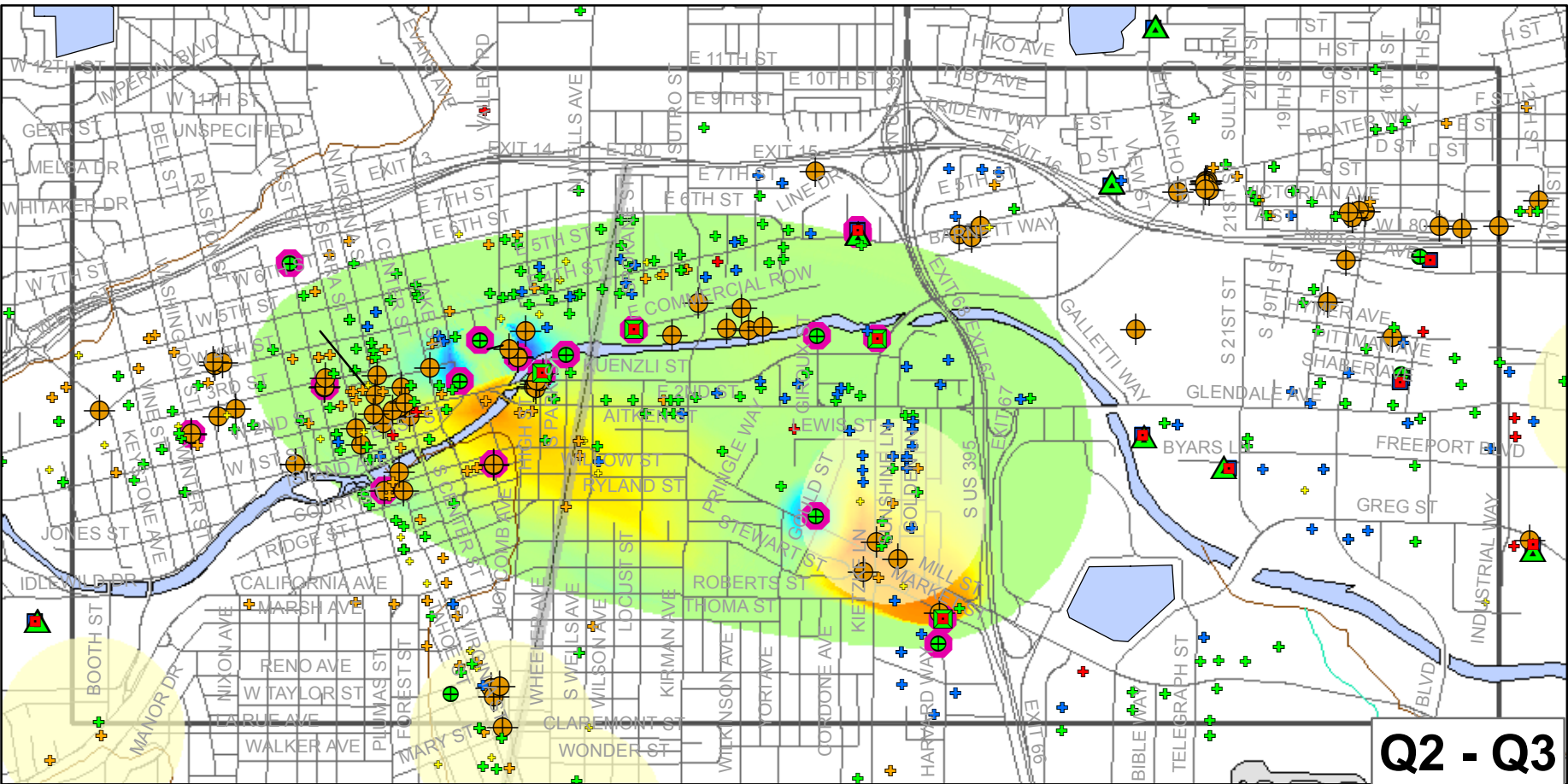
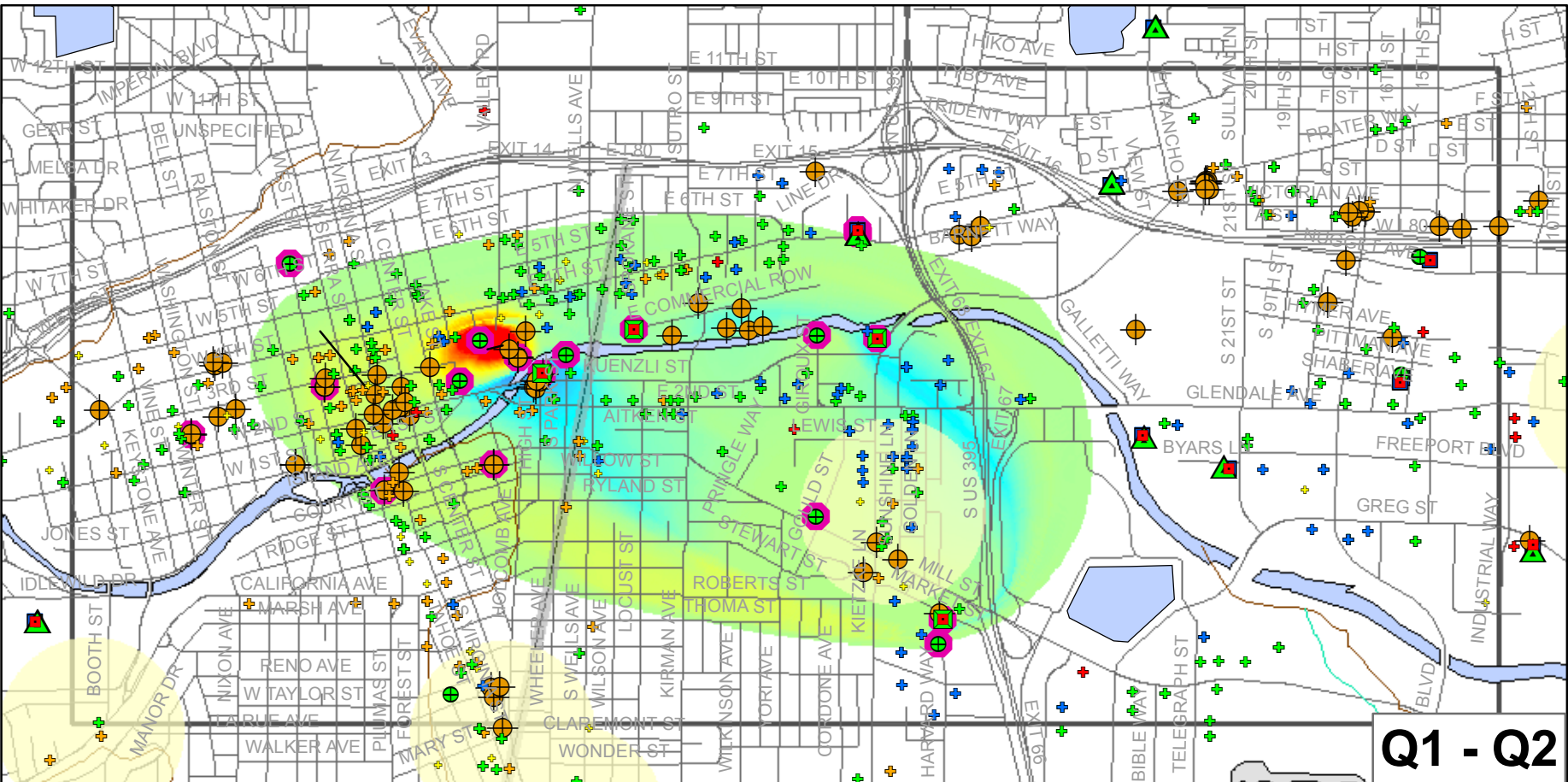
N

W E

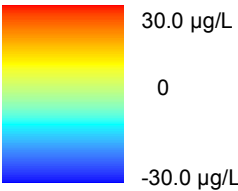
0 S 2,640

Feet

WASHOE COUNTY DWR	 WorleyParsons Komex resources & energy		
DOWNTOWN RENO SUBREGION Q1-Q4 2006 WATER LEVEL DIFFERENCE MAP	MB	MT	01/2008
	6N637B		6.16



Notes:
PCE concentration change calculated using the formula: (Previous quarter subtracted from current quarter, ie., (Q2 - Q1).



WASHOE COUNTY DWR



WorleyParsons Komex
resources & energy

**DOWNTOWN RENO SUBREGION 2006
PCE CONCENTRATION CHANGE**

SWL PM 01/2008

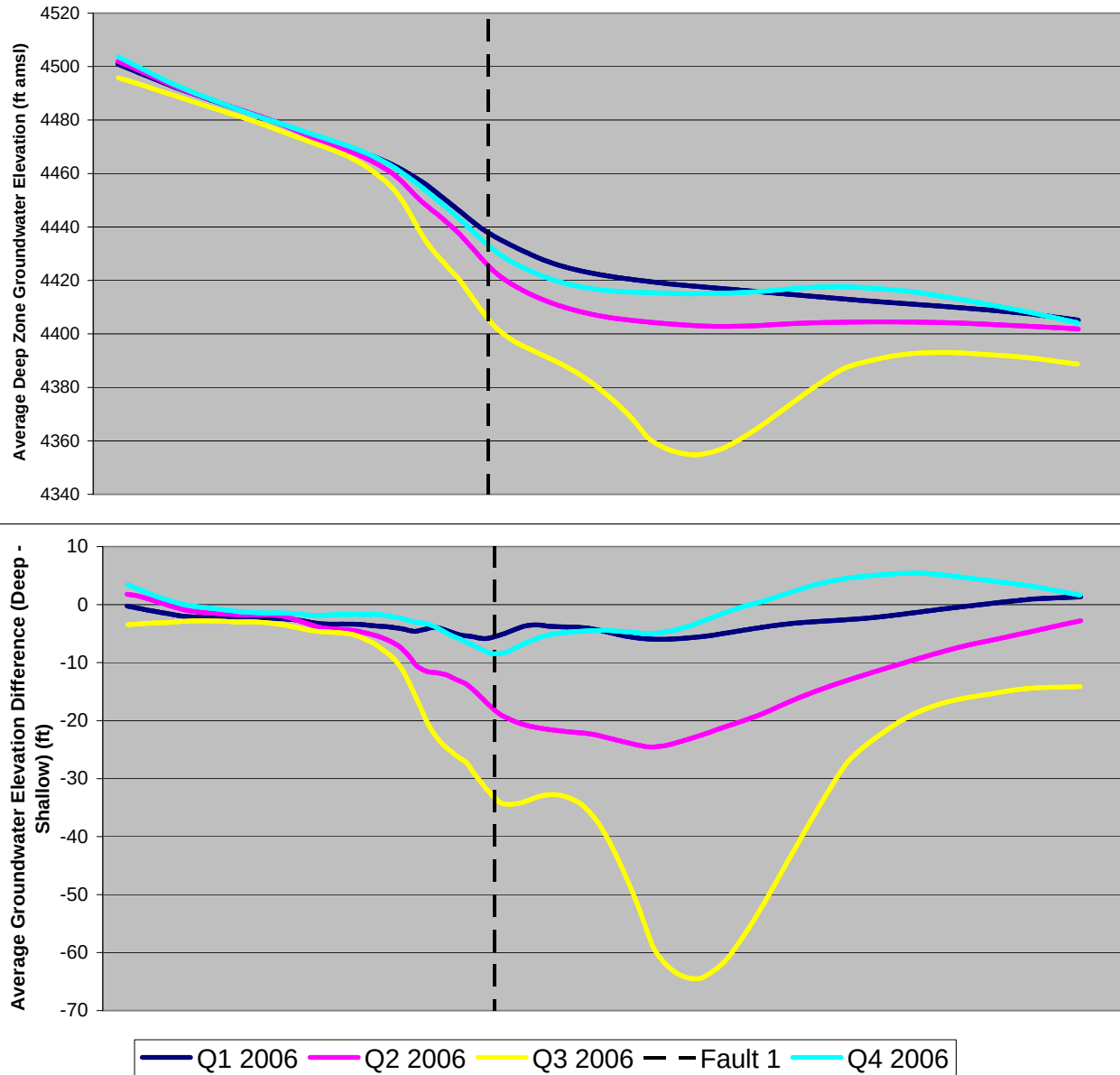
6N637B30 **6.17**

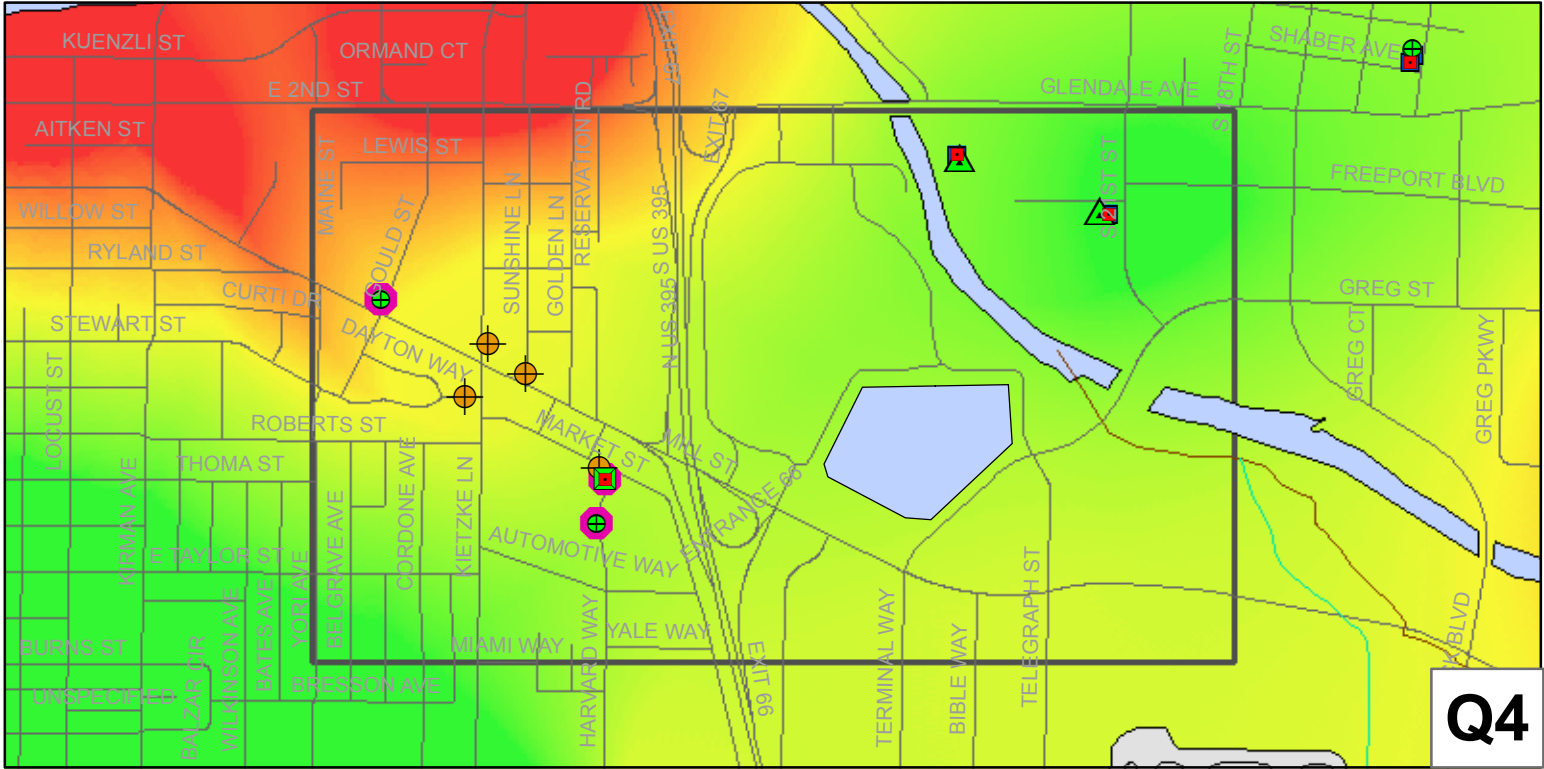
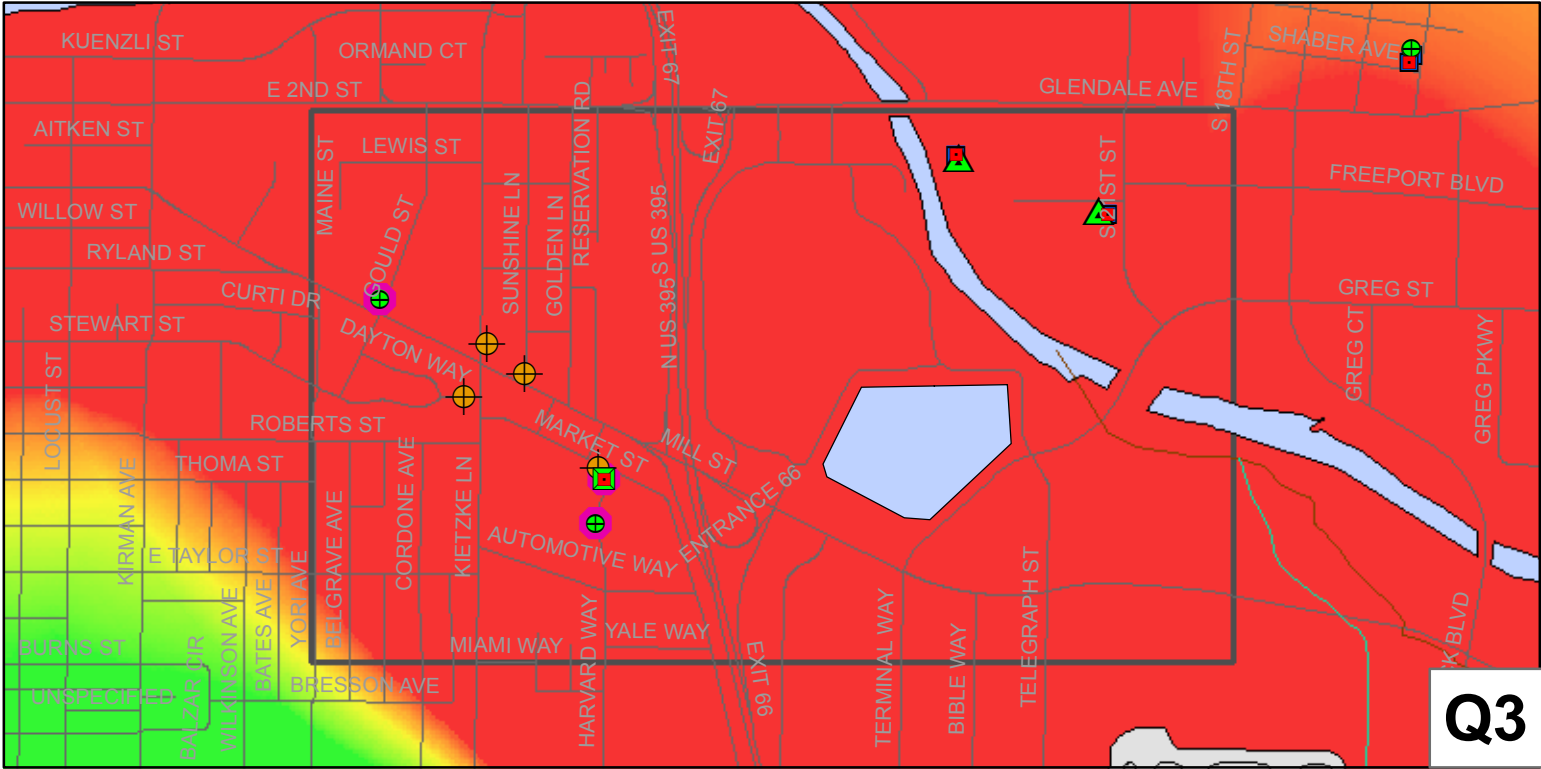
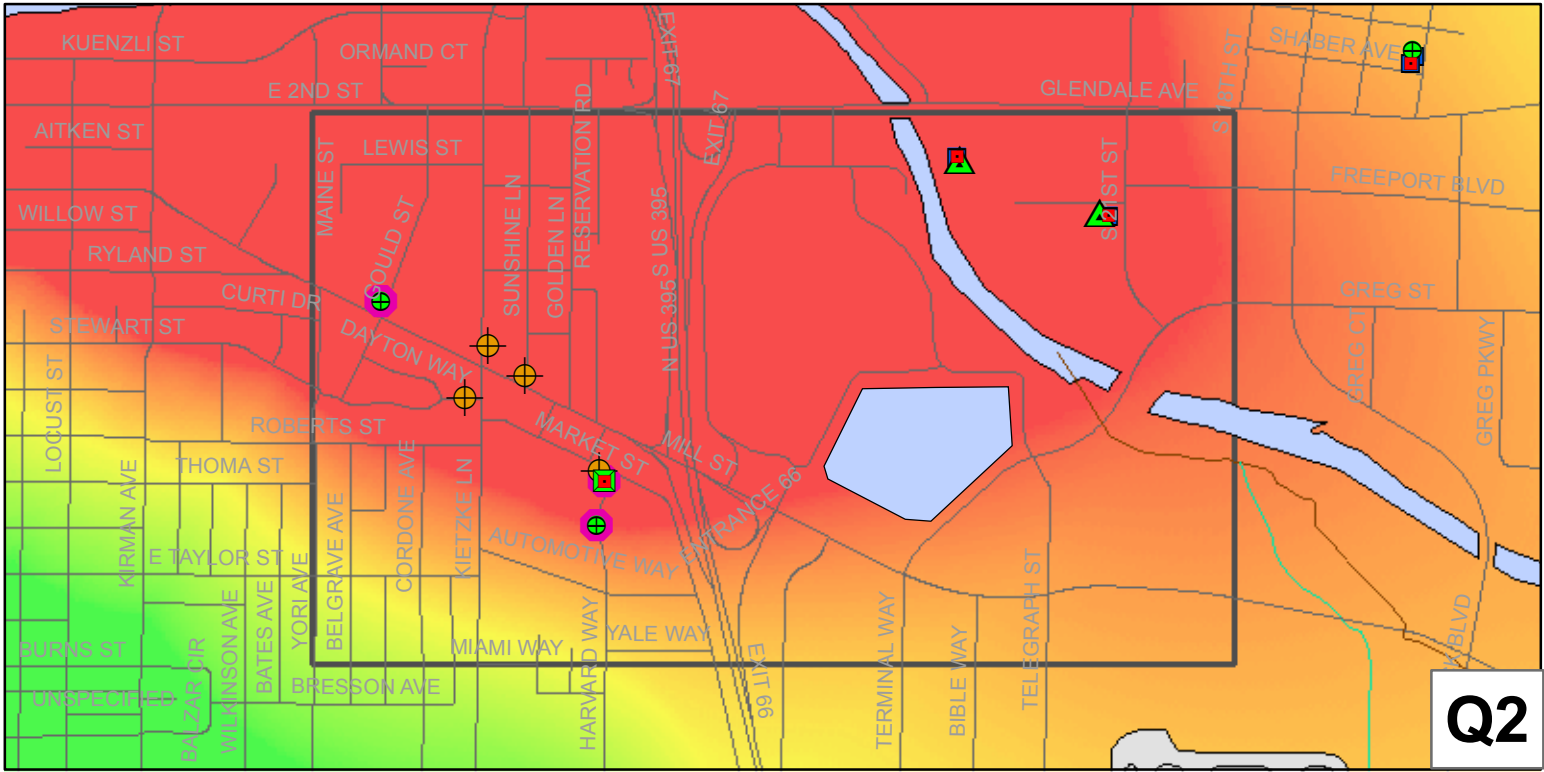
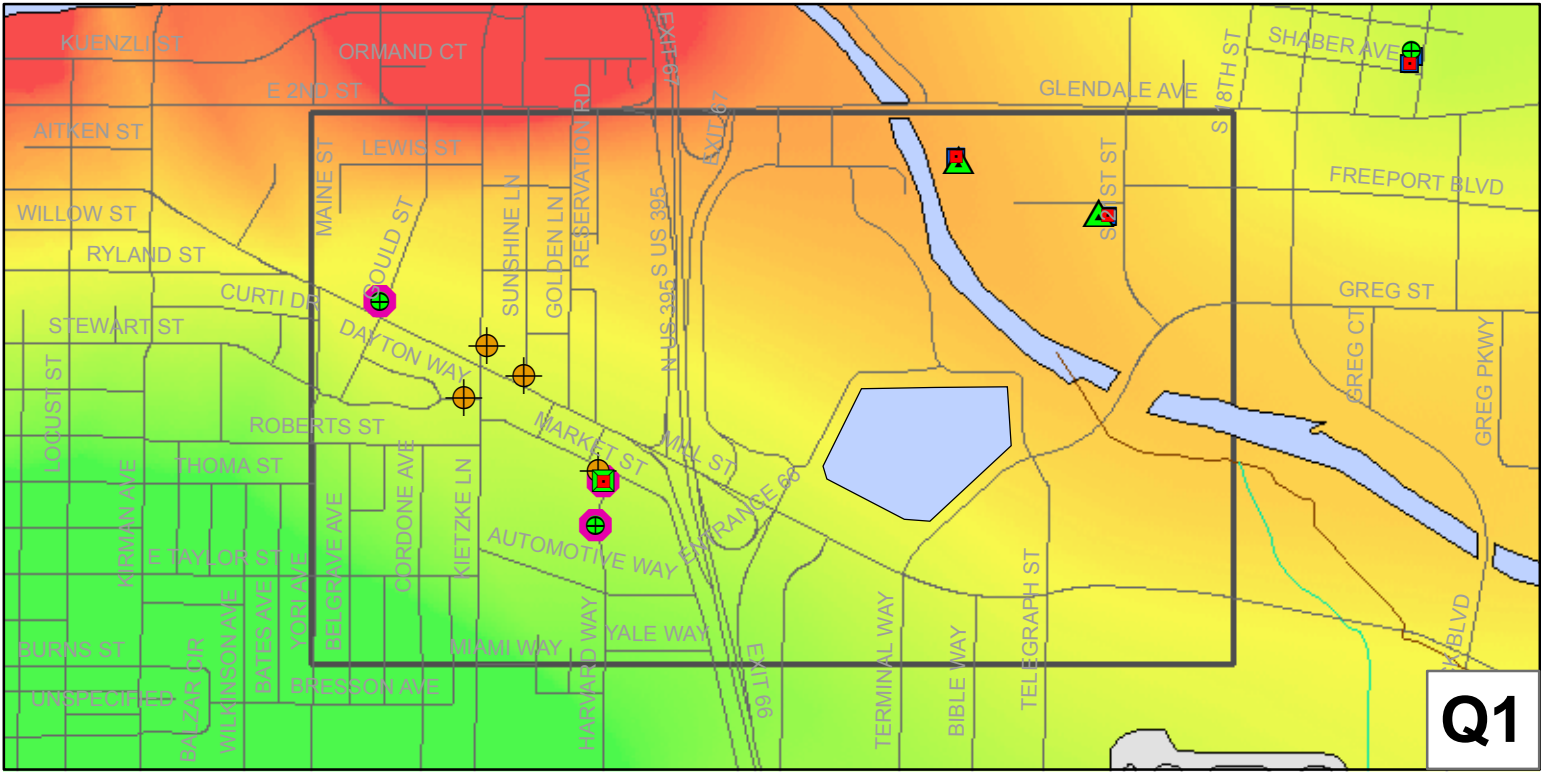


WorleyParsons Komex

resources & energy

**Figure 6.18 : Average 2006 Groundwater Elevation and
Groundwater Elevation Difference
Downtown Reno Plume Subregion**





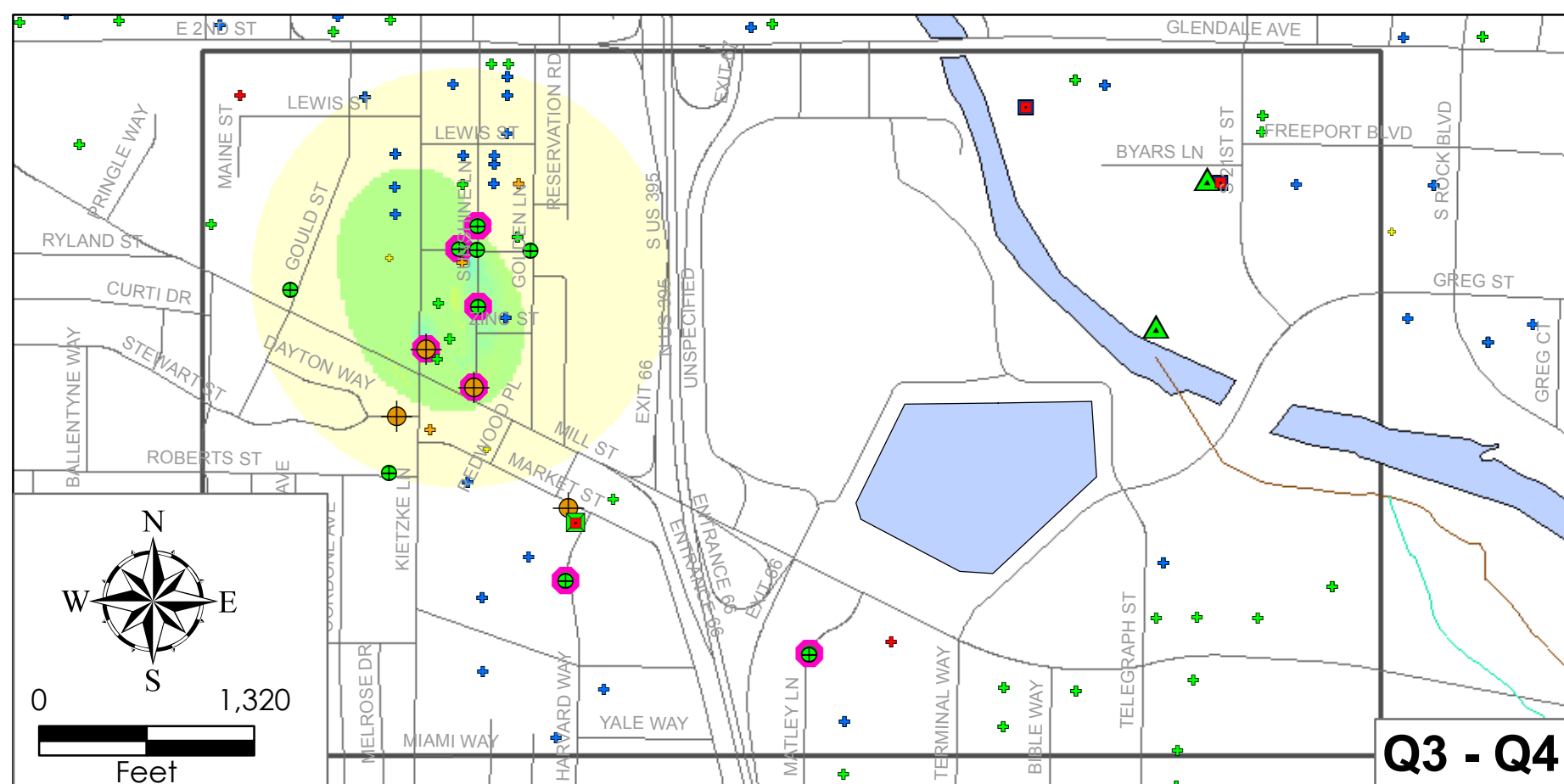
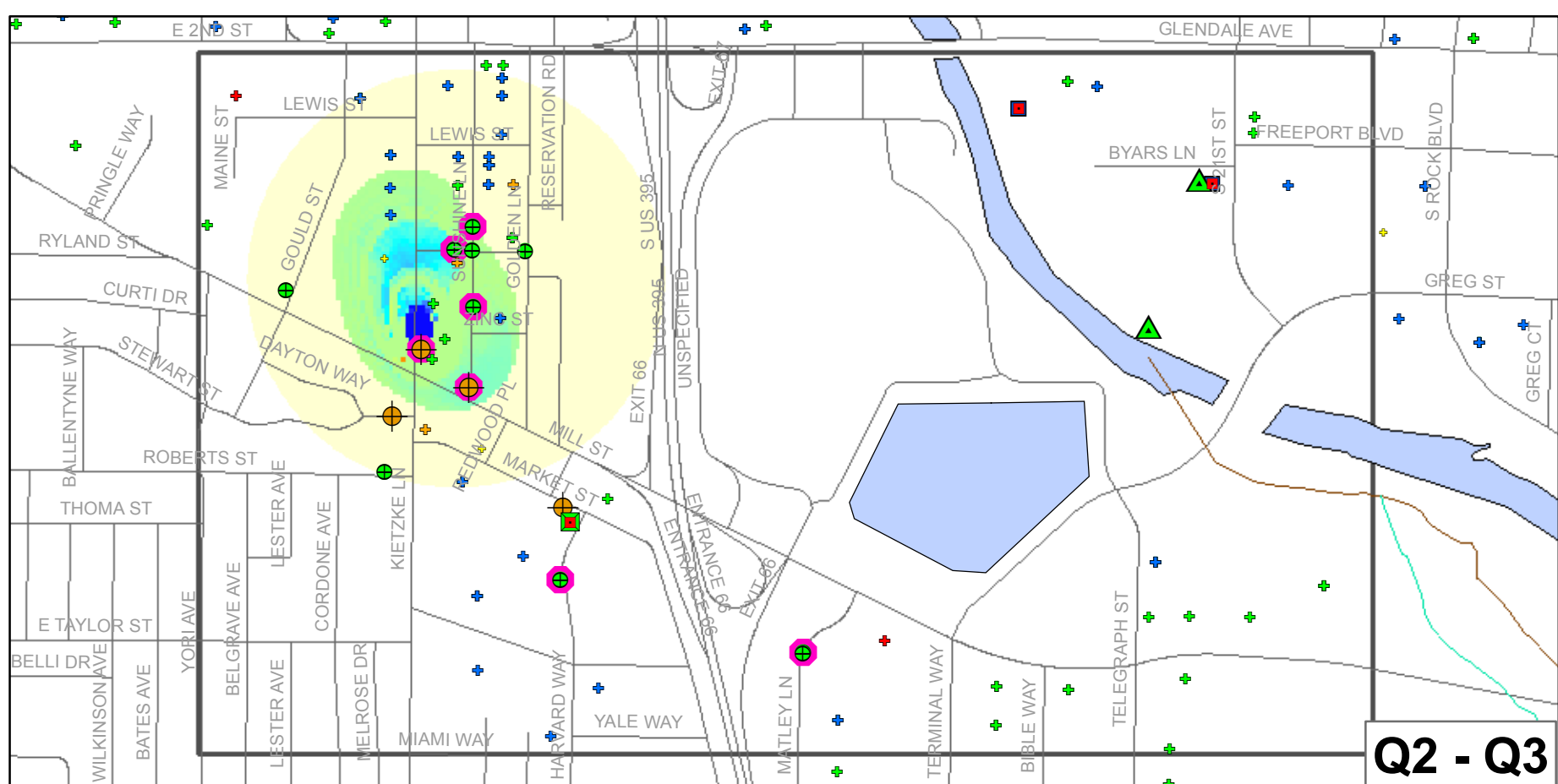
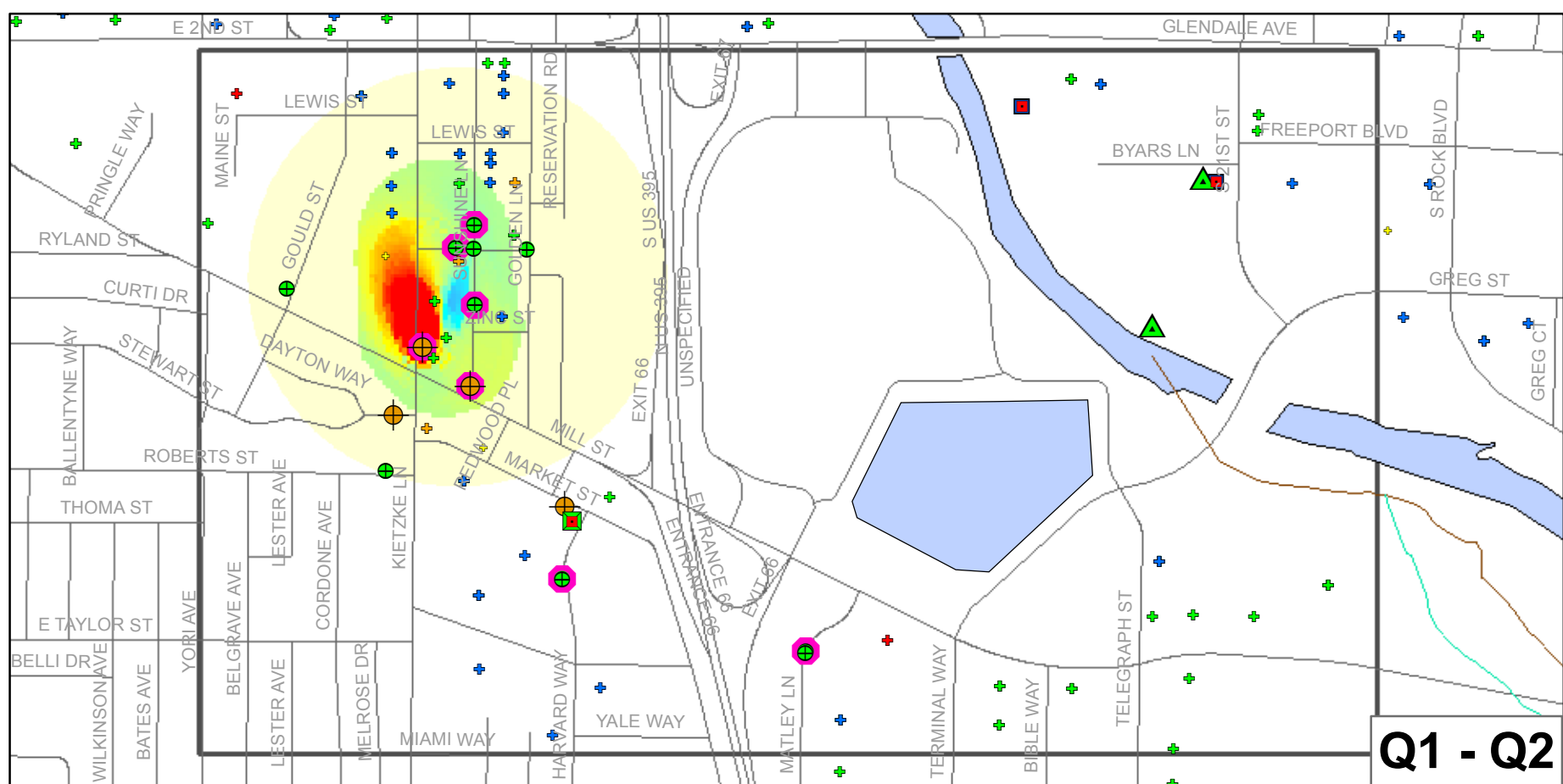
Notes: Q1-Q4, 2006 Water Level Difference calculated by subtracting the contoured water level elevation in the shallow zone from the contoured water level elevation in the deep zone.

LEGEND
 Subregion boundary
Mill/Kietzke Subregion Water Level Difference map

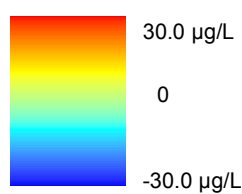
10.0 feet
0
-10.0 feet


0 2,640
Feet

WASHOE COUNTY DWR	 WorleyParsons Komex resources & energy
MILL/KIETZKE SUBREGION Q1-Q4 2006 WATER LEVEL DIFFERENCE MAP	MB MT 01/2008
	6N637B 6.19



Notes:
PCE concentration change calculated using the formula: (Previous quarter subtracted from current quarter, ie., (Q2 - Q1)).



WASHOE COUNTY DWR



WorleyParsons Komex
resources & energy

MILL/KIETZKE SUBREGION 2006 PCE CONCENTRATION CHANGE

SWL

PM

01/2008

6N637B30

6.20

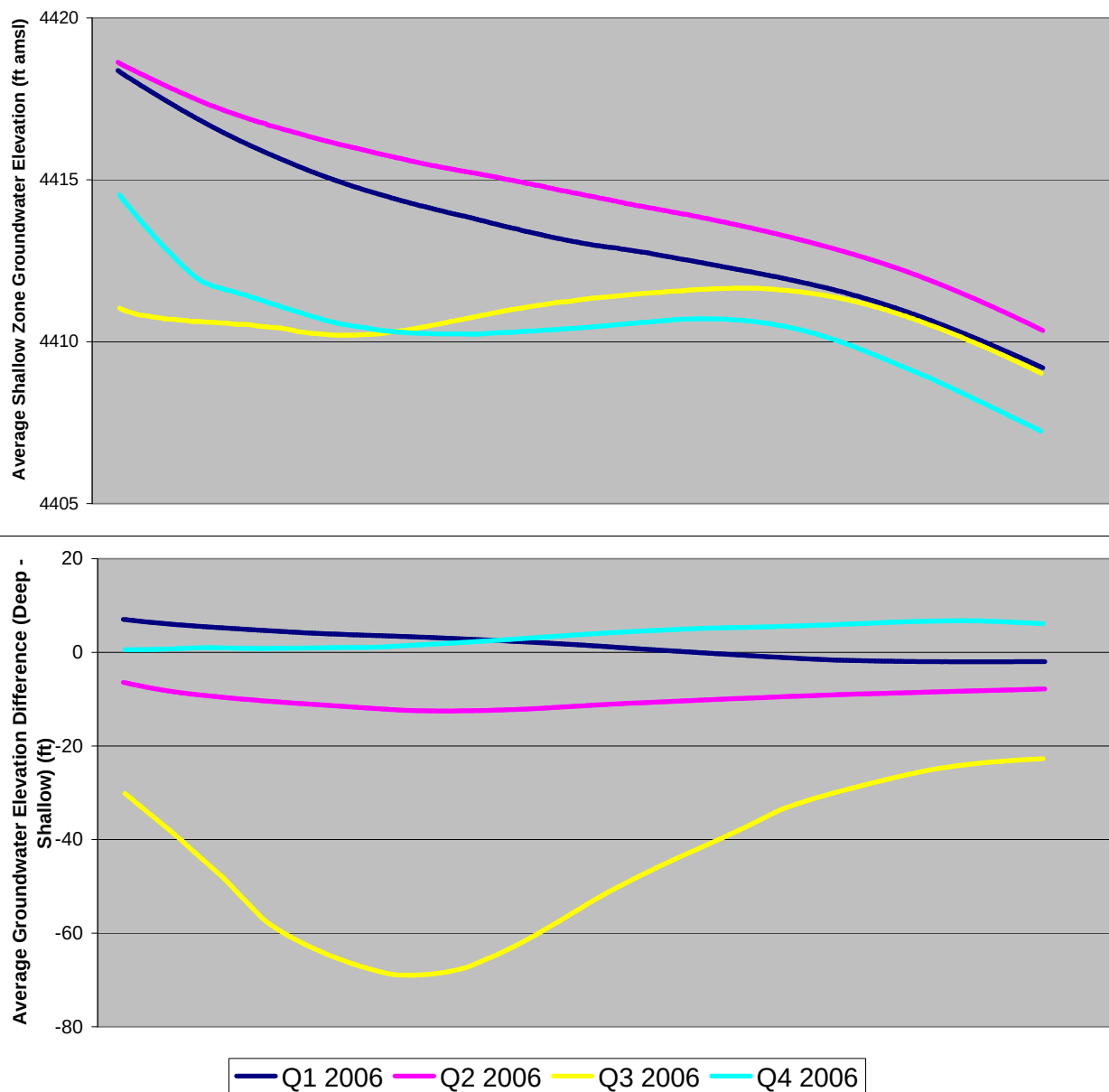


WorleyParsons Komex

resources & energy

Figure 6.21: Average 2006 Groundwater Elevation and Groundwater Elevation Difference

Mill / Kietzke Plume Subregion

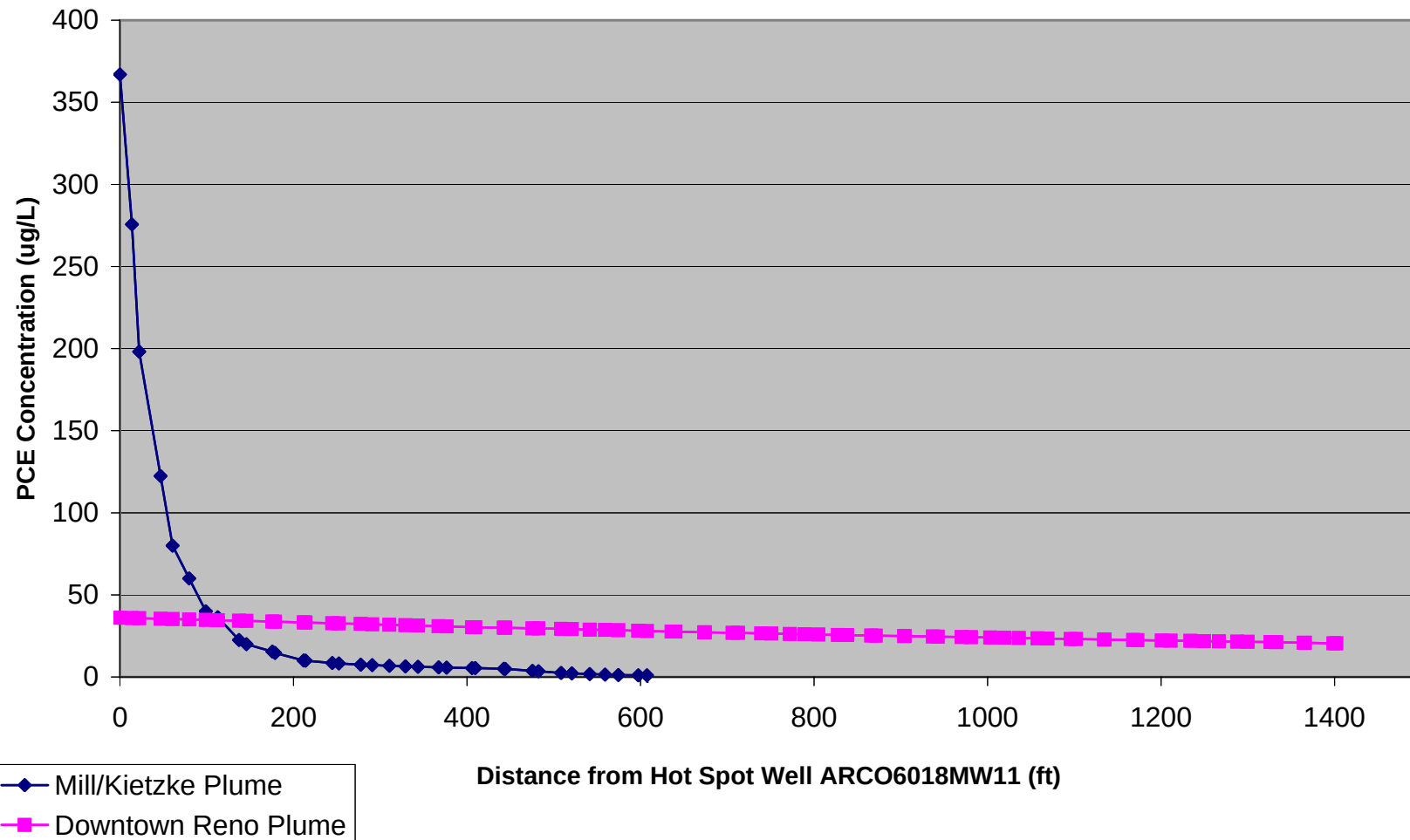


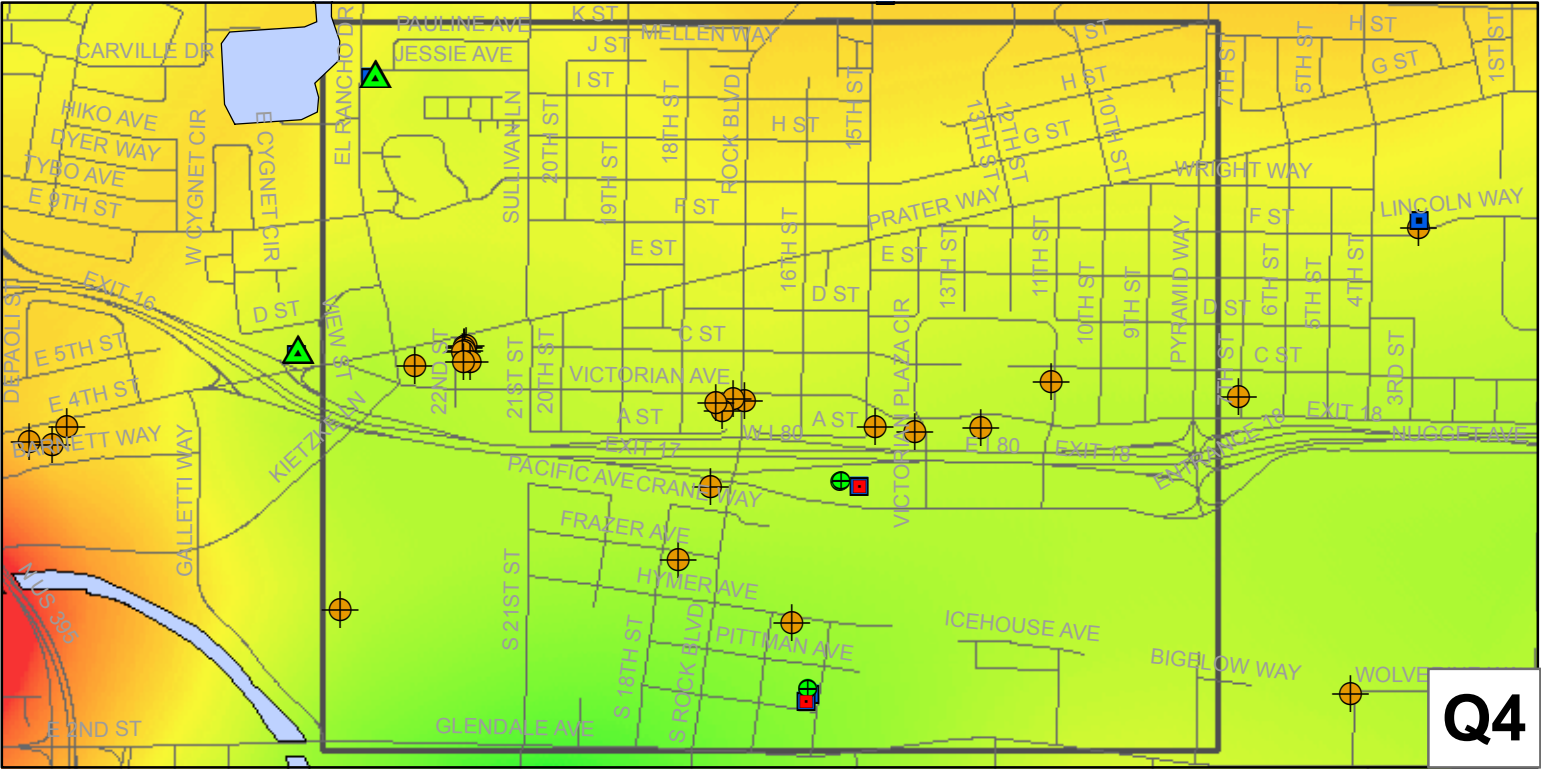
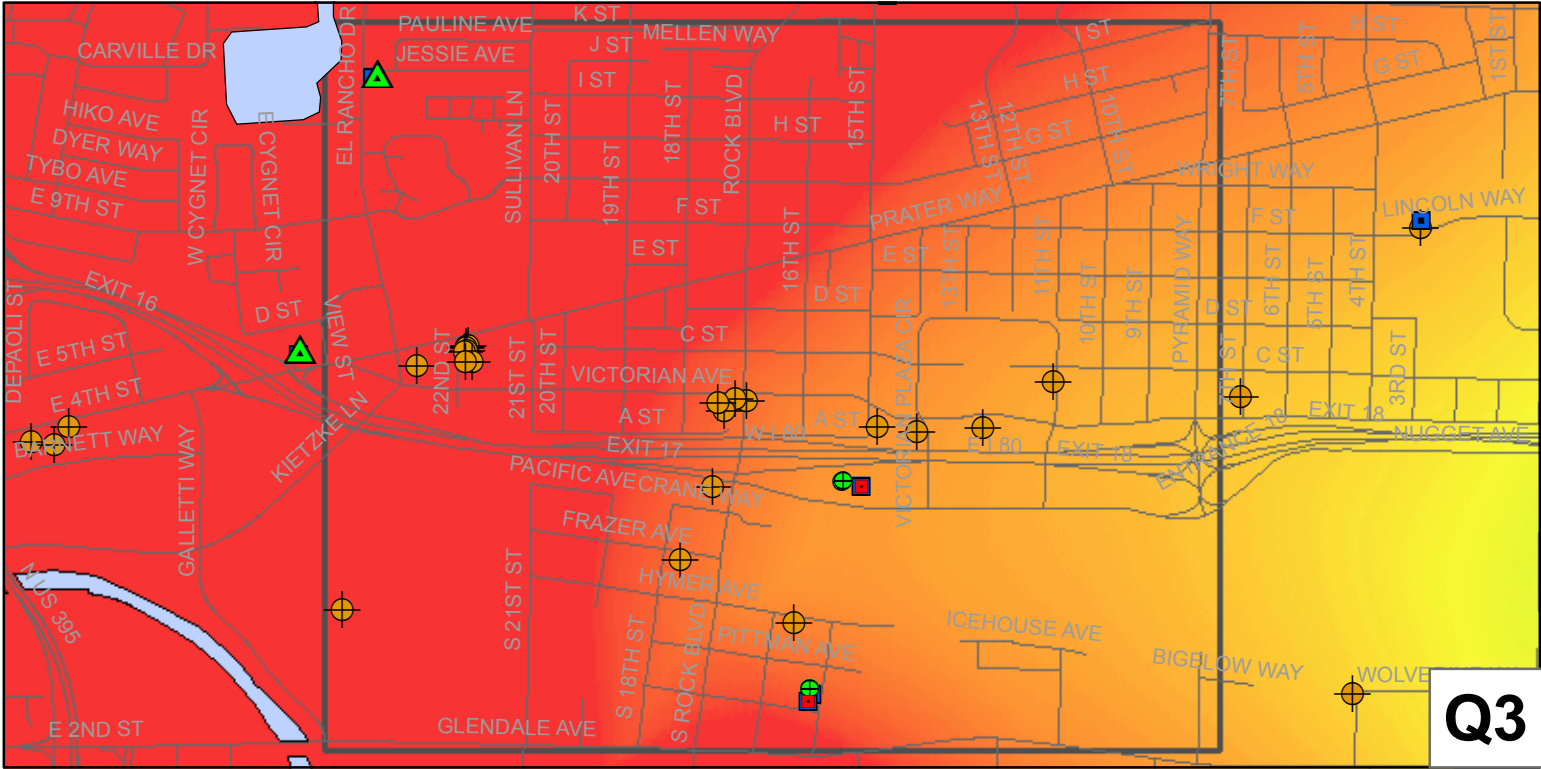
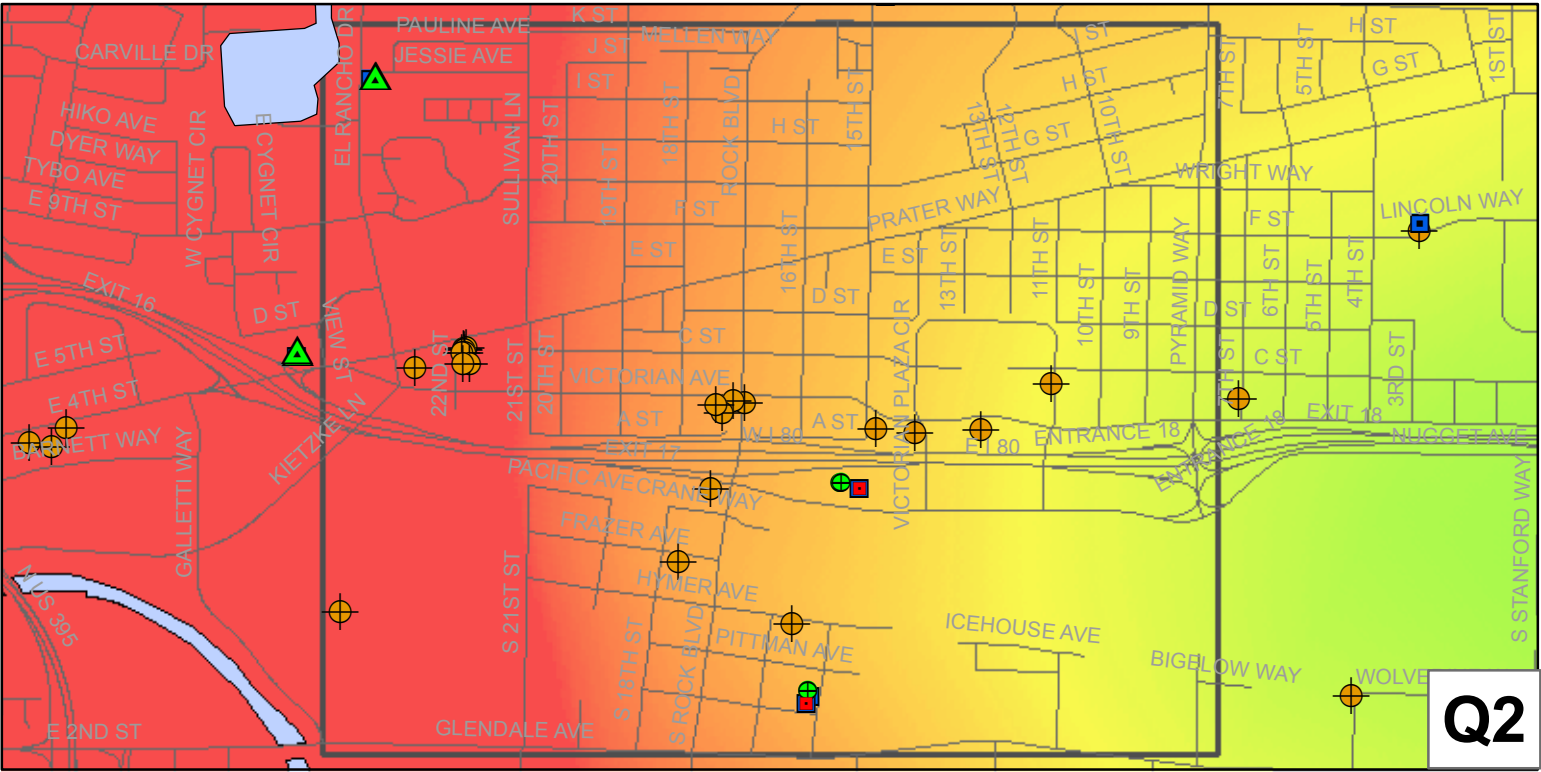
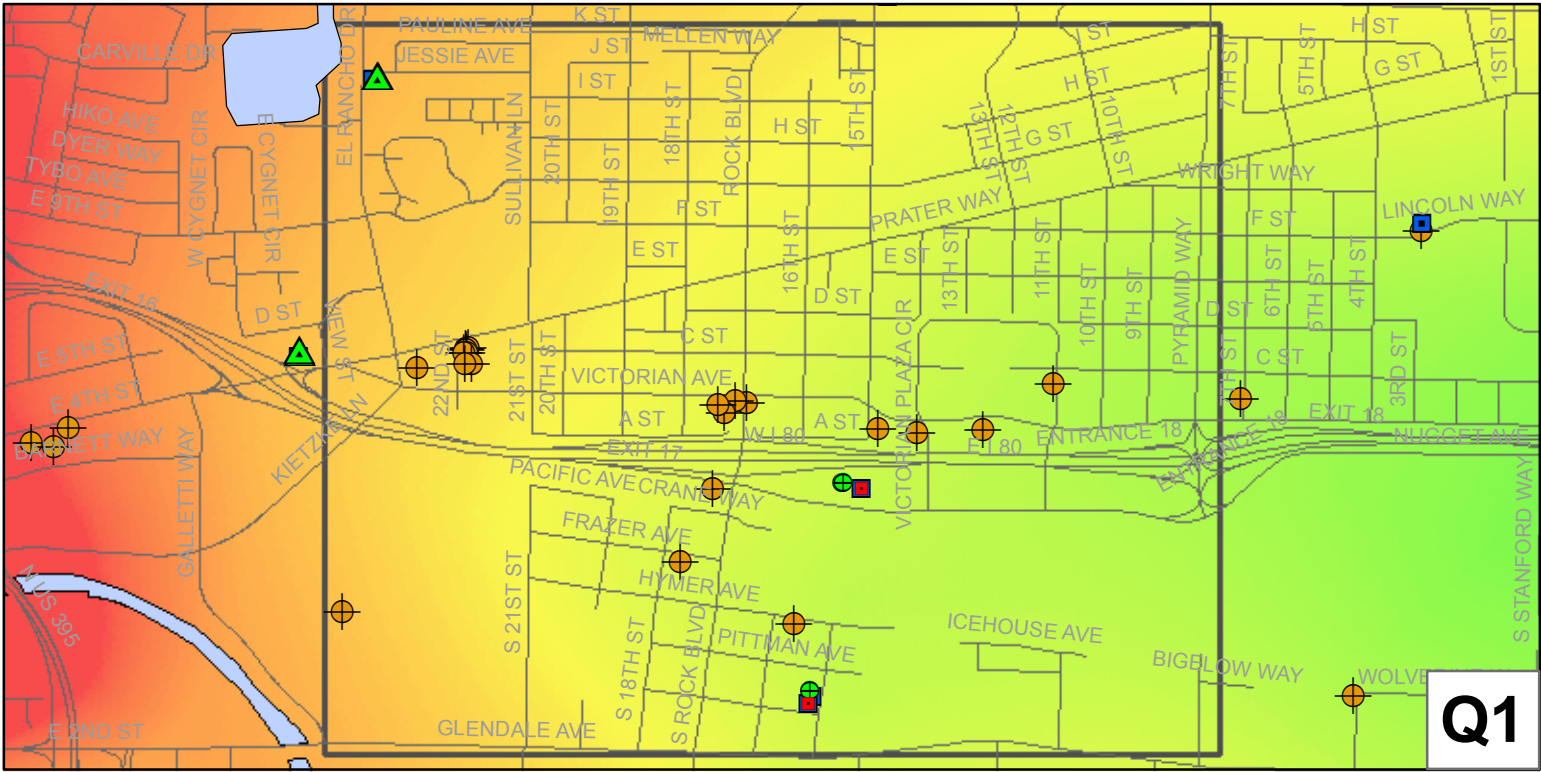


WorleyParsons Komex

resources & energy

Figure 6.22: Mill/Kietzke / Downtown Reno Concentration Profile, Q2 2006





Notes: Q1-Q4, 2006 Water Level Difference calculated by subtracting the contoured water level elevation in the shallow zone from the contoured water level elevation in the deep zone.

LEGEND

Subregion boundary

Victorian Avenue Subregion Water Level Difference map

10.0 feet

0

-10.0 feet

N

W

E

S

0

2,640

Feet

WASHOE COUNTY DWR

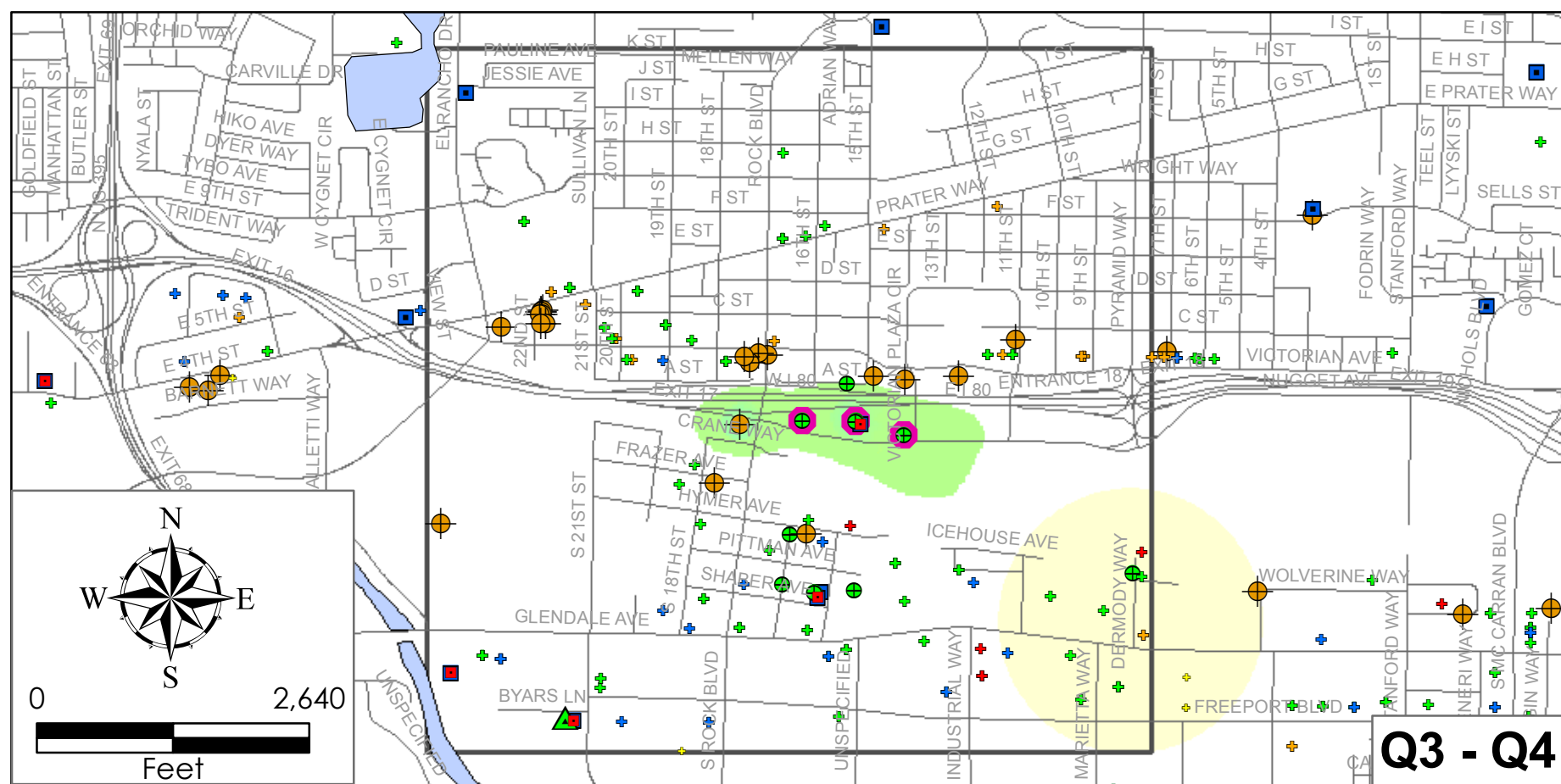
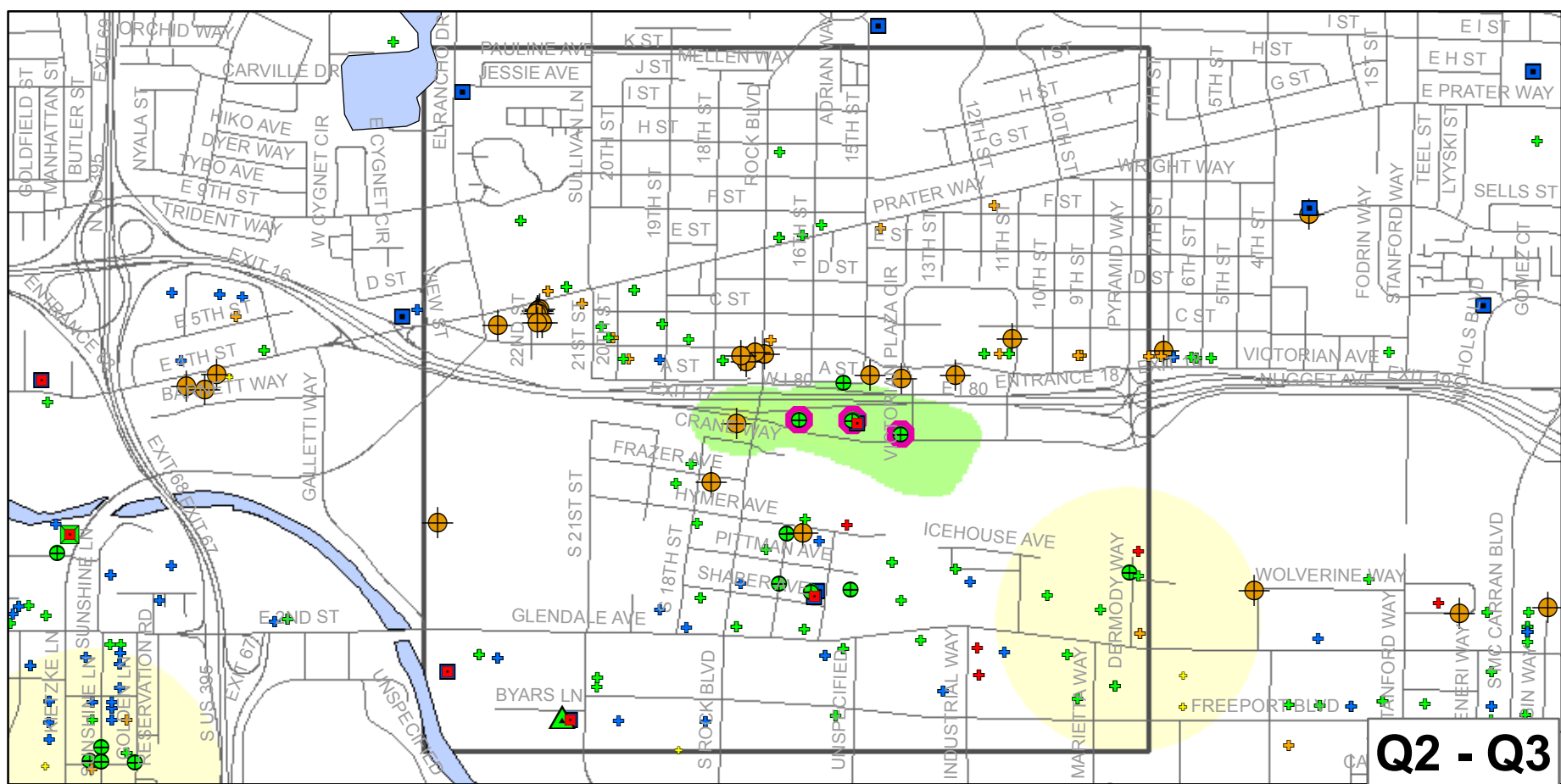
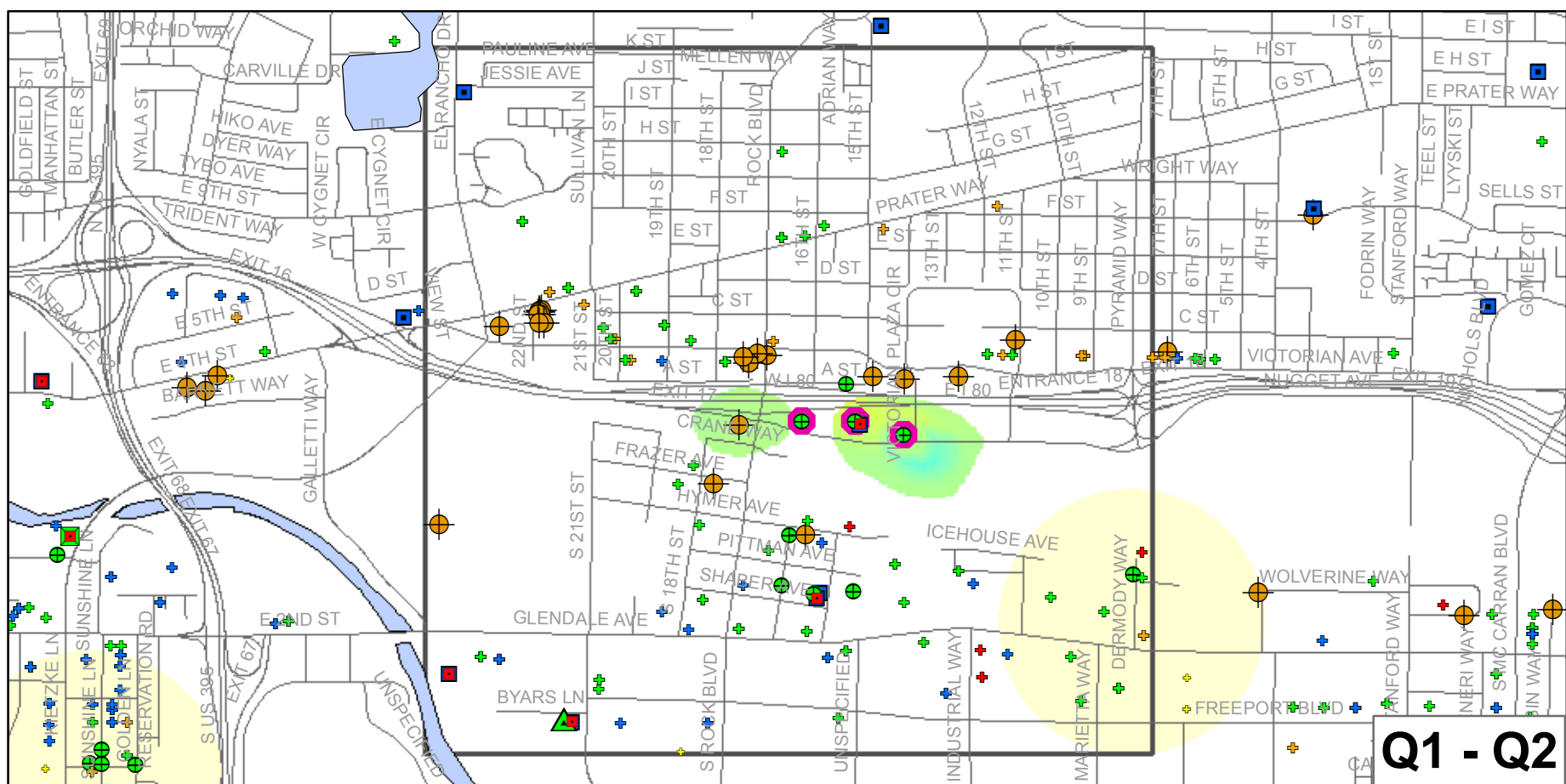
WorleyParsons Komex

resources & energy

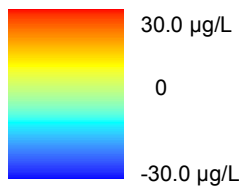
VICTORIAN AVENUE SUBREGION Q1-Q4 2006
WATER LEVEL DIFFERENCE MAP

MBMT01/2008

6N637B6.23



Notes: PCE concentration change calculated using the formula: (Previous quarter subtracted from current quarter, ie., (Q2 - Q1)).



WASHOE COUNTY DWR



WorleyParsons Komex
resources & energy

VICTORIAN AVENUE SUBREGION 2006 PCE CONCENTRATION CHANGE

SWL

PM

01/2008

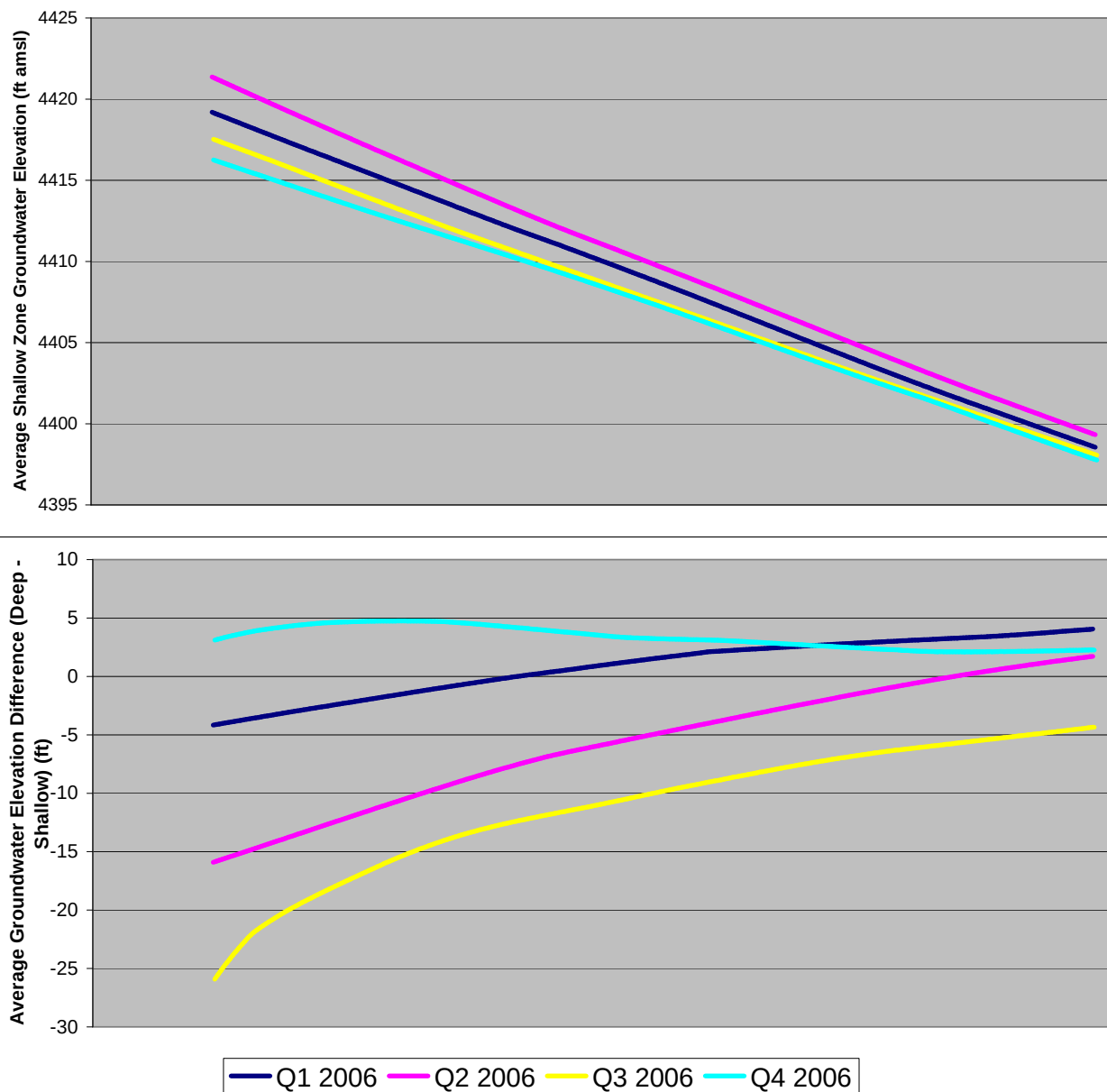
6N637B30

6.24



Figure 6.25: Average 2006 Groundwater Elevation and Groundwater Elevation Difference

Victorian Avenue Plume Subregion

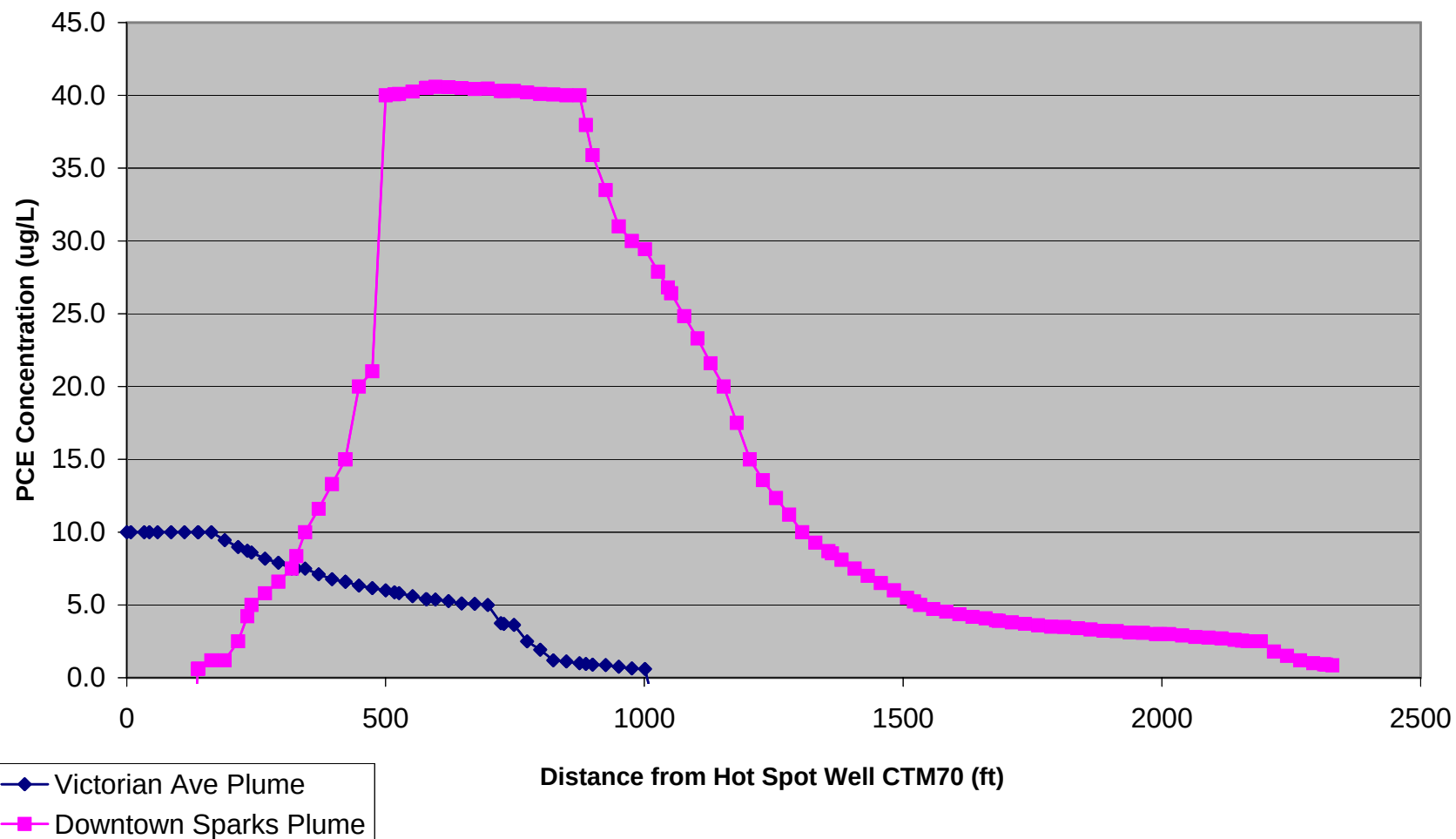


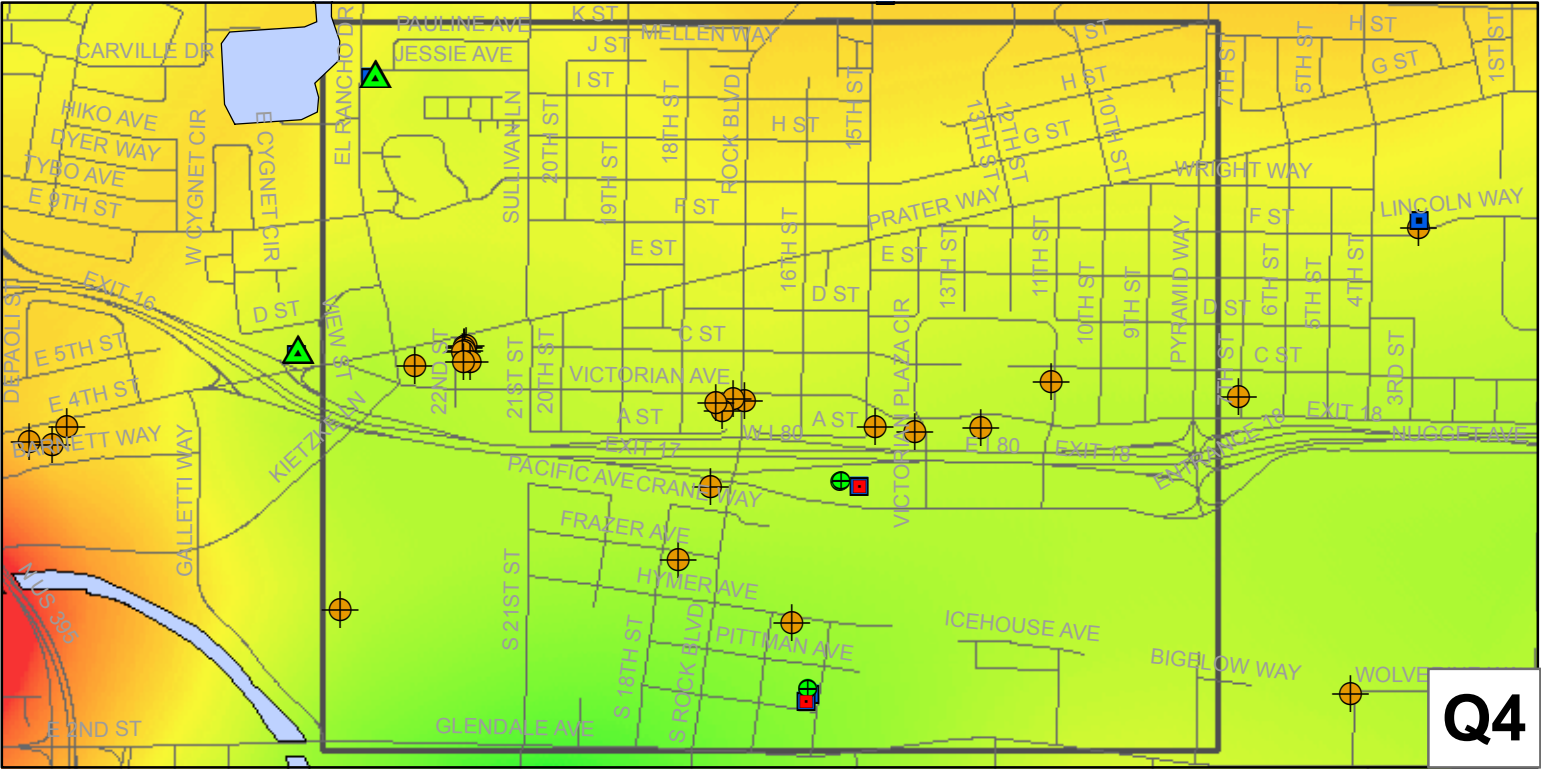
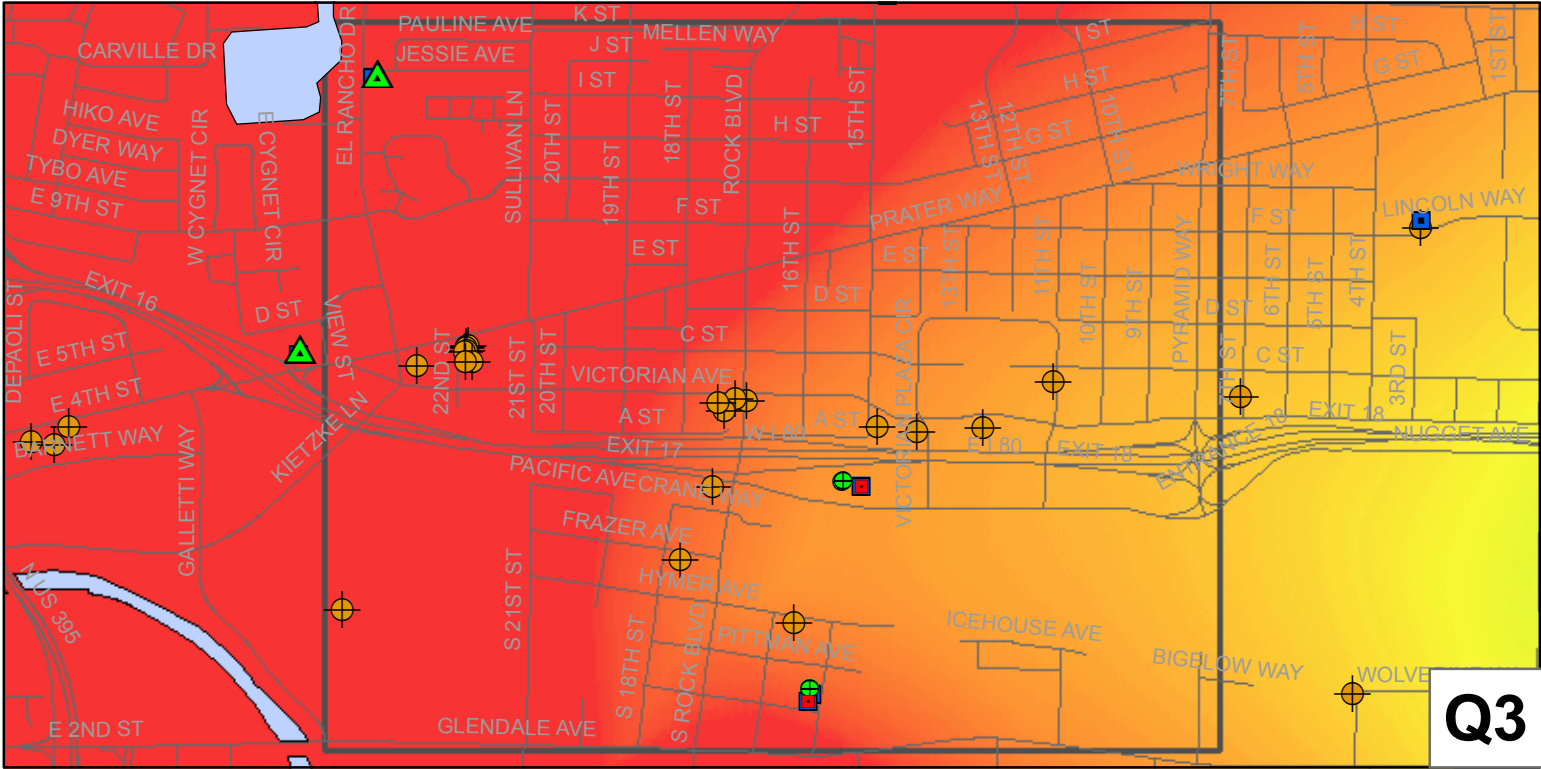
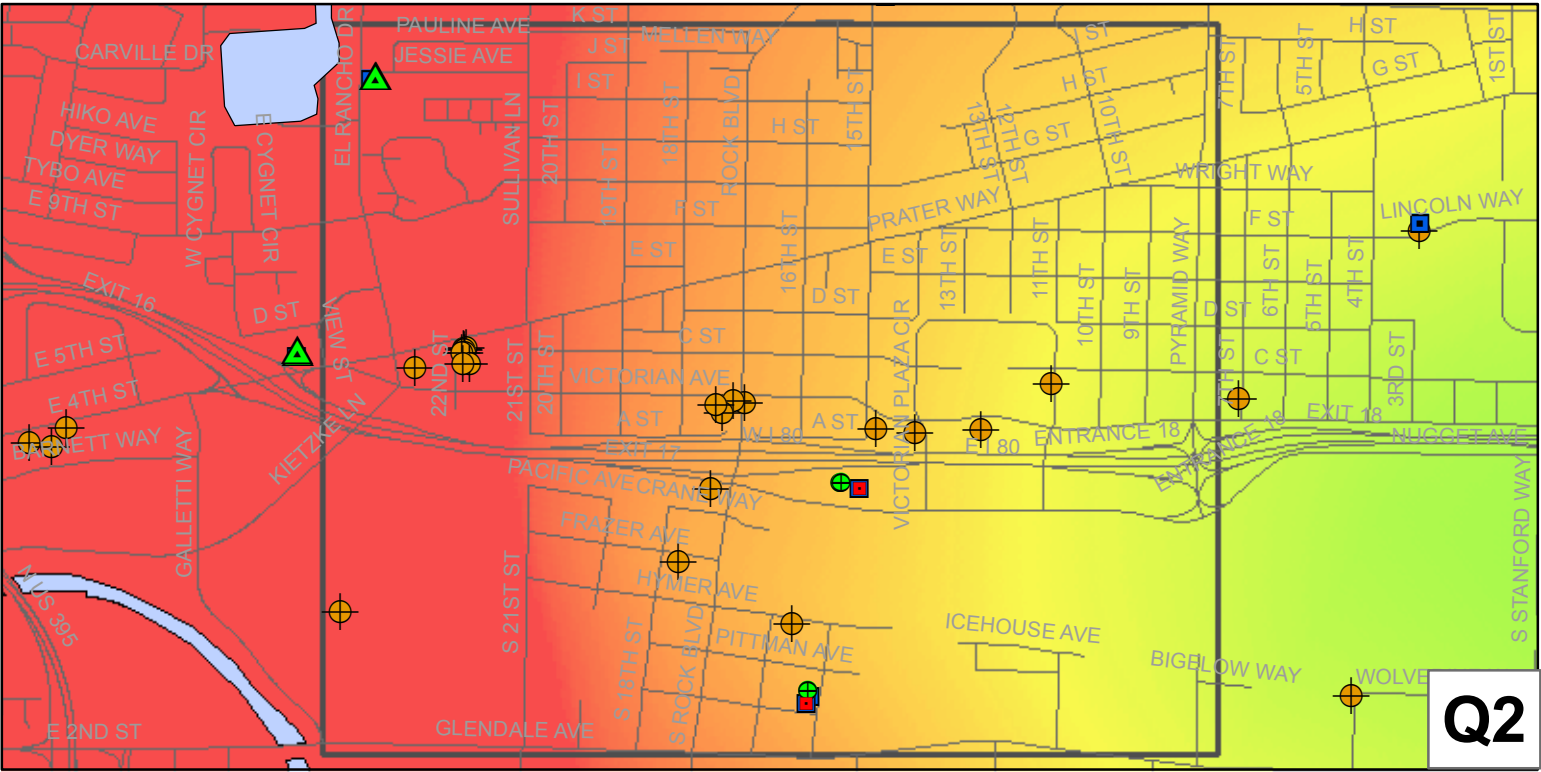
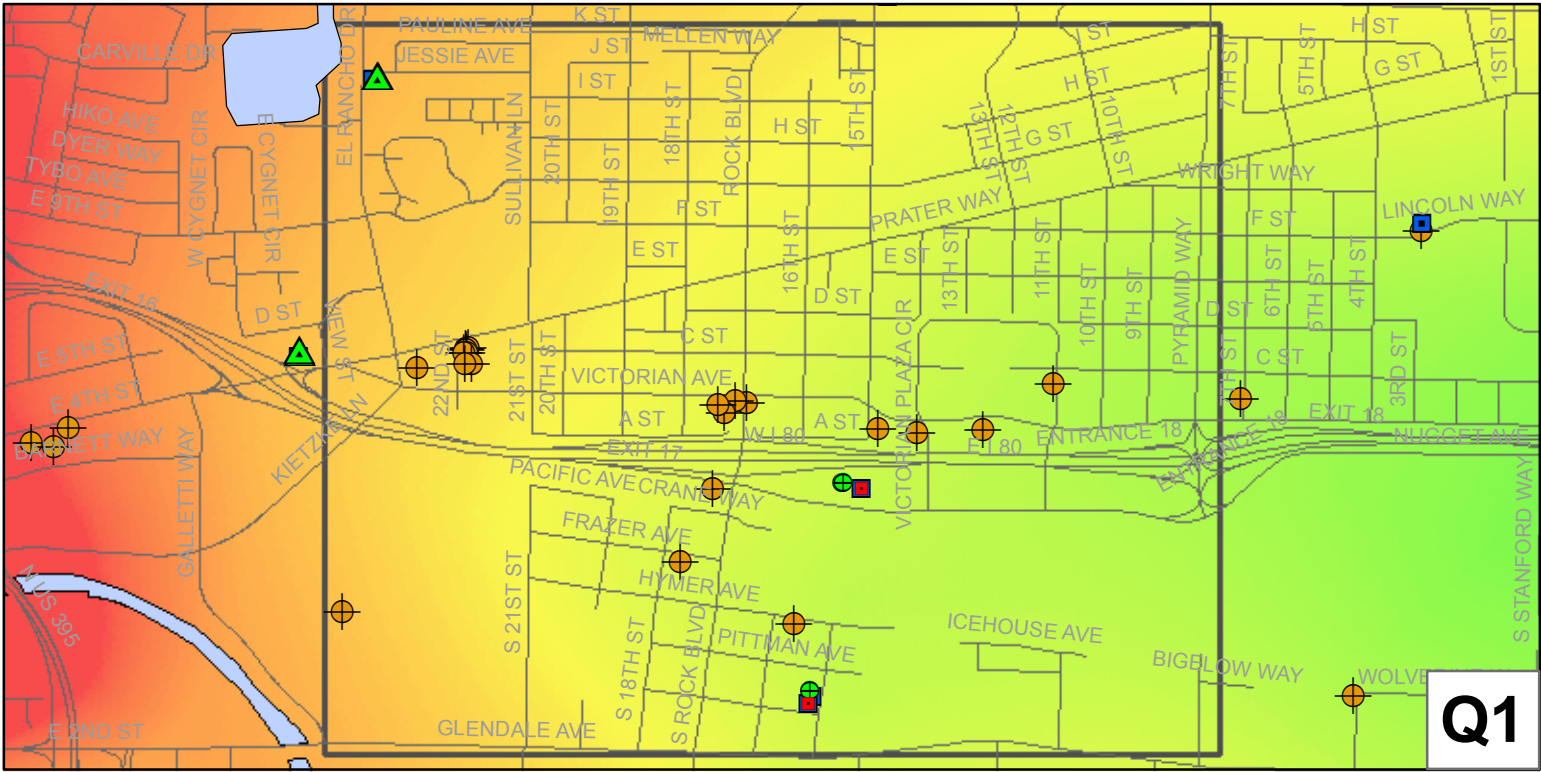


WorleyParsons Komex

resources & energy

Figure 6.26: Victorian Ave / Downtown Sparks Concentration Profile, Q2 2006

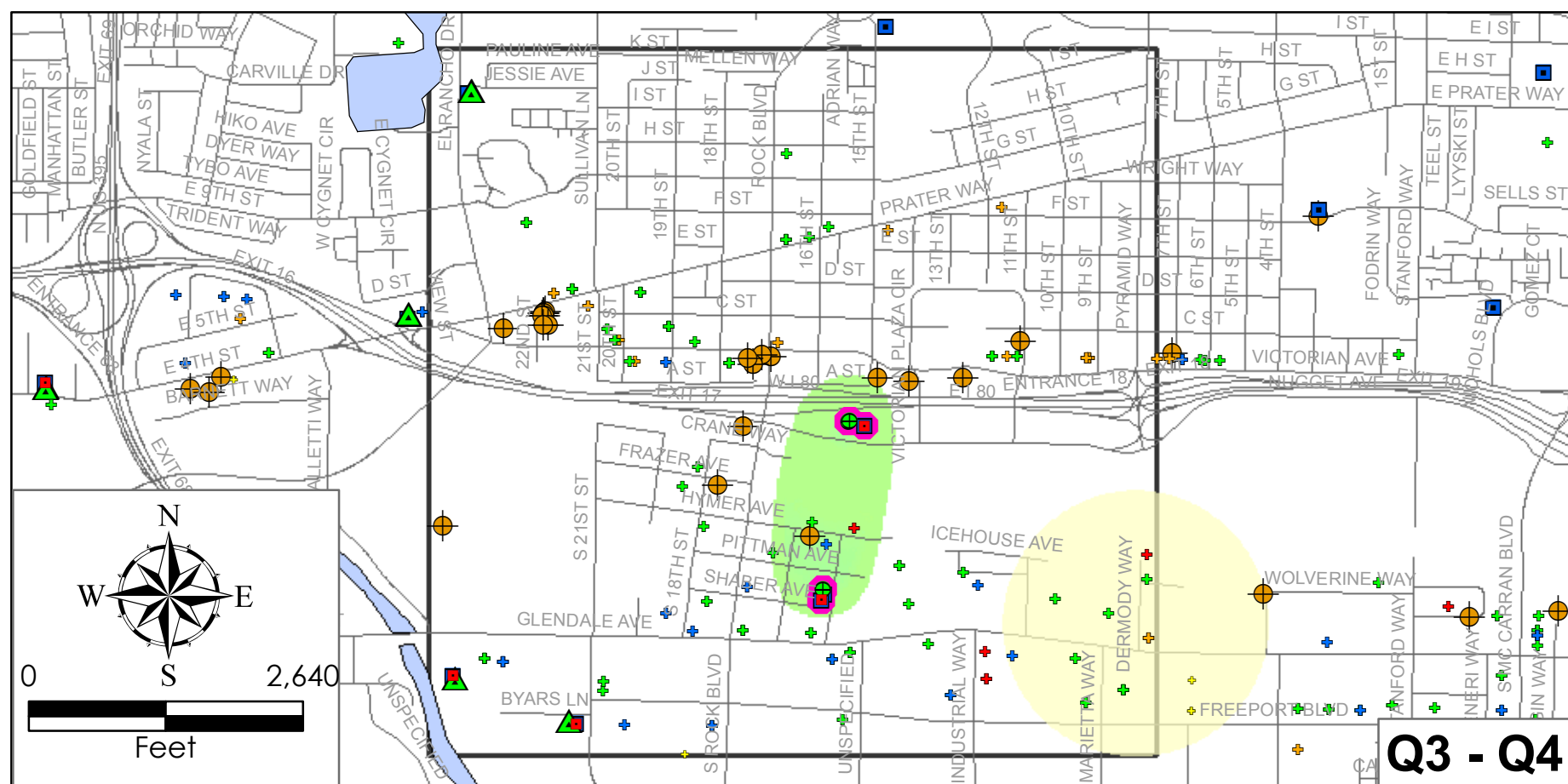
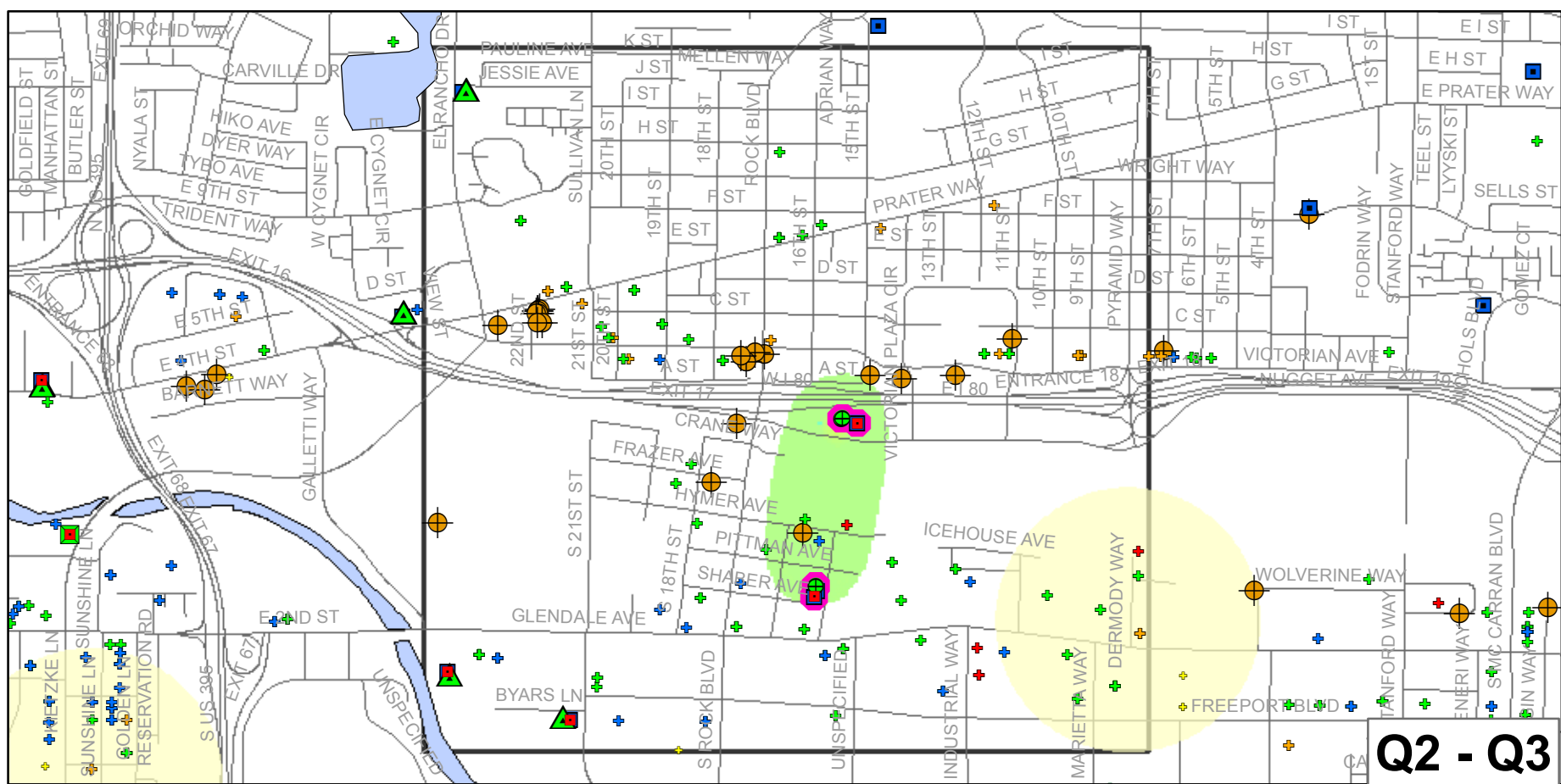
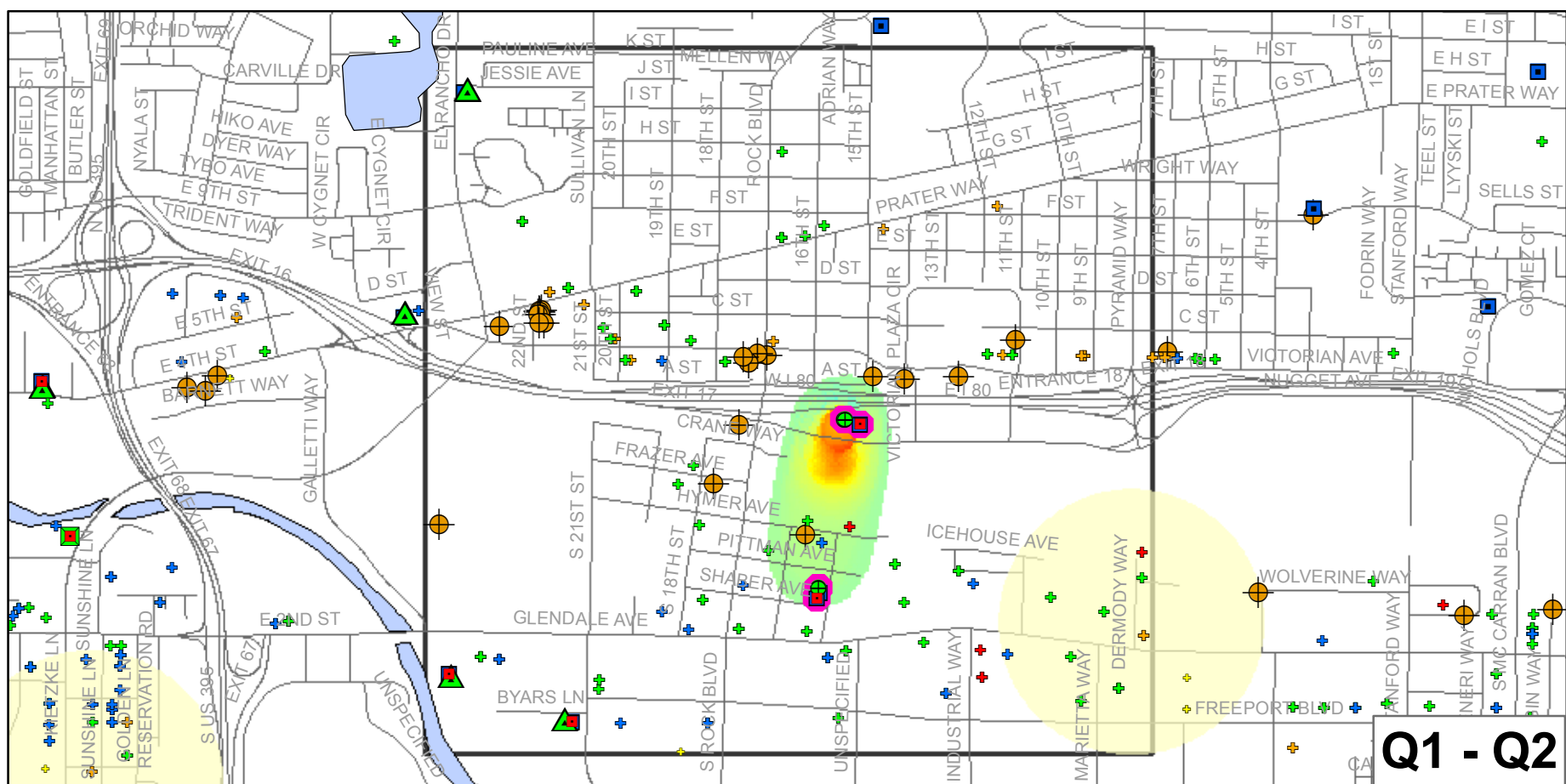




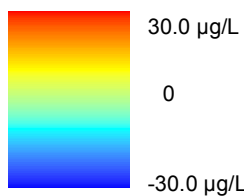
Notes: Q1-Q4, 2006 Water Level Difference calculated by subtracting the contoured water level elevation in the shallow zone from the contoured water level elevation in the deep zone.



WASHOE COUNTY DWR	 WorleyParsons Komex resources & energy			
DOWNTOWN SPARKS SUBREGION Q1-Q4 2006 WATER LEVEL DIFFERENCE MAP		MB	MT	01/2008
6N637B				6.27



Notes:
PCE concentration change calculated using the formula: (Previous quarter subtracted from current quarter, ie., (Q2 - Q1)).



WASHOE COUNTY DWR



WorleyParsons Komex
resources & energy

DOWNTOWN SPARKS SUBREGION 2006 PCE CONCENTRATION CHANGE

SWL

PM

01/2008

6N637B30

6.28

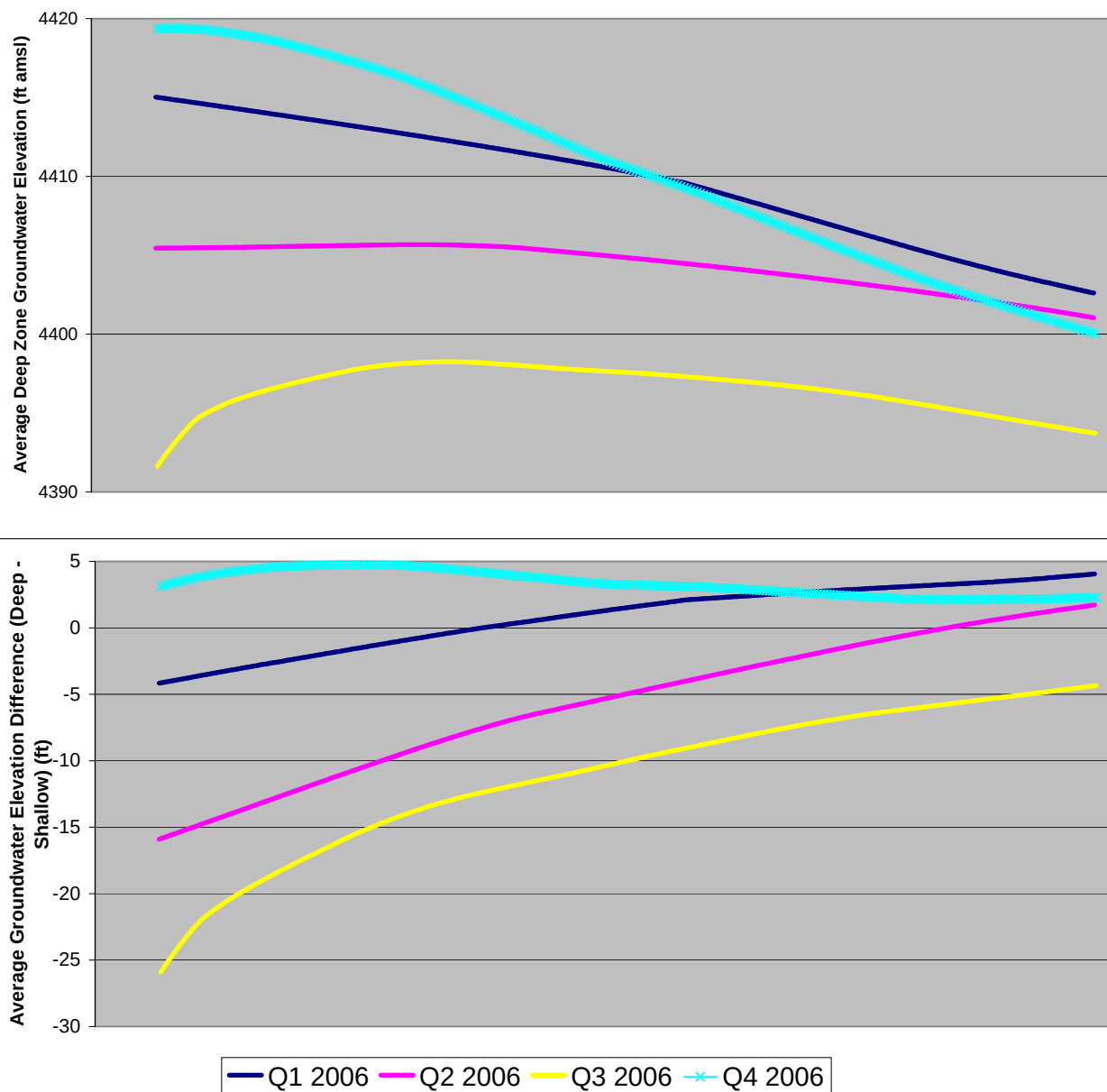


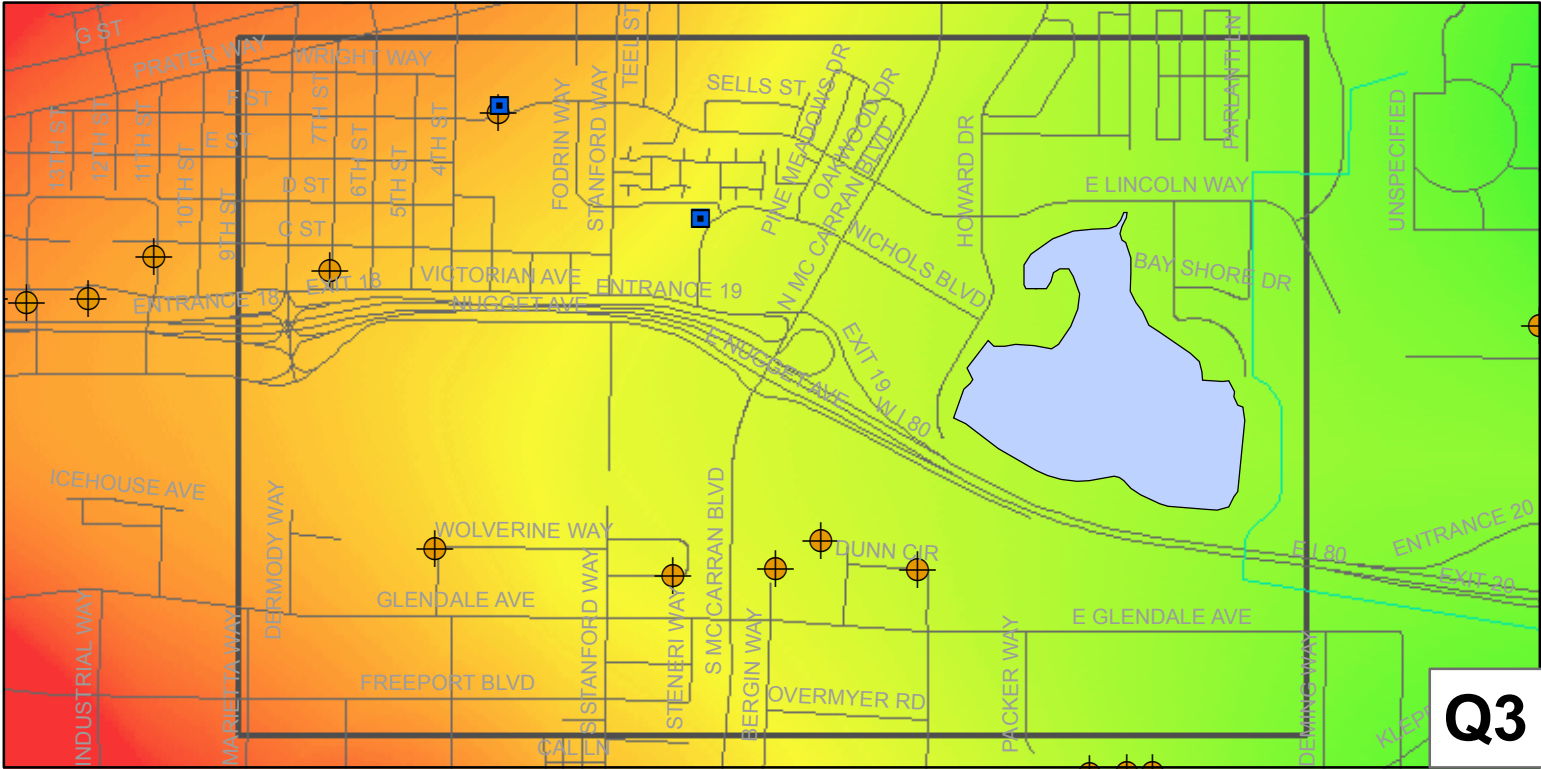
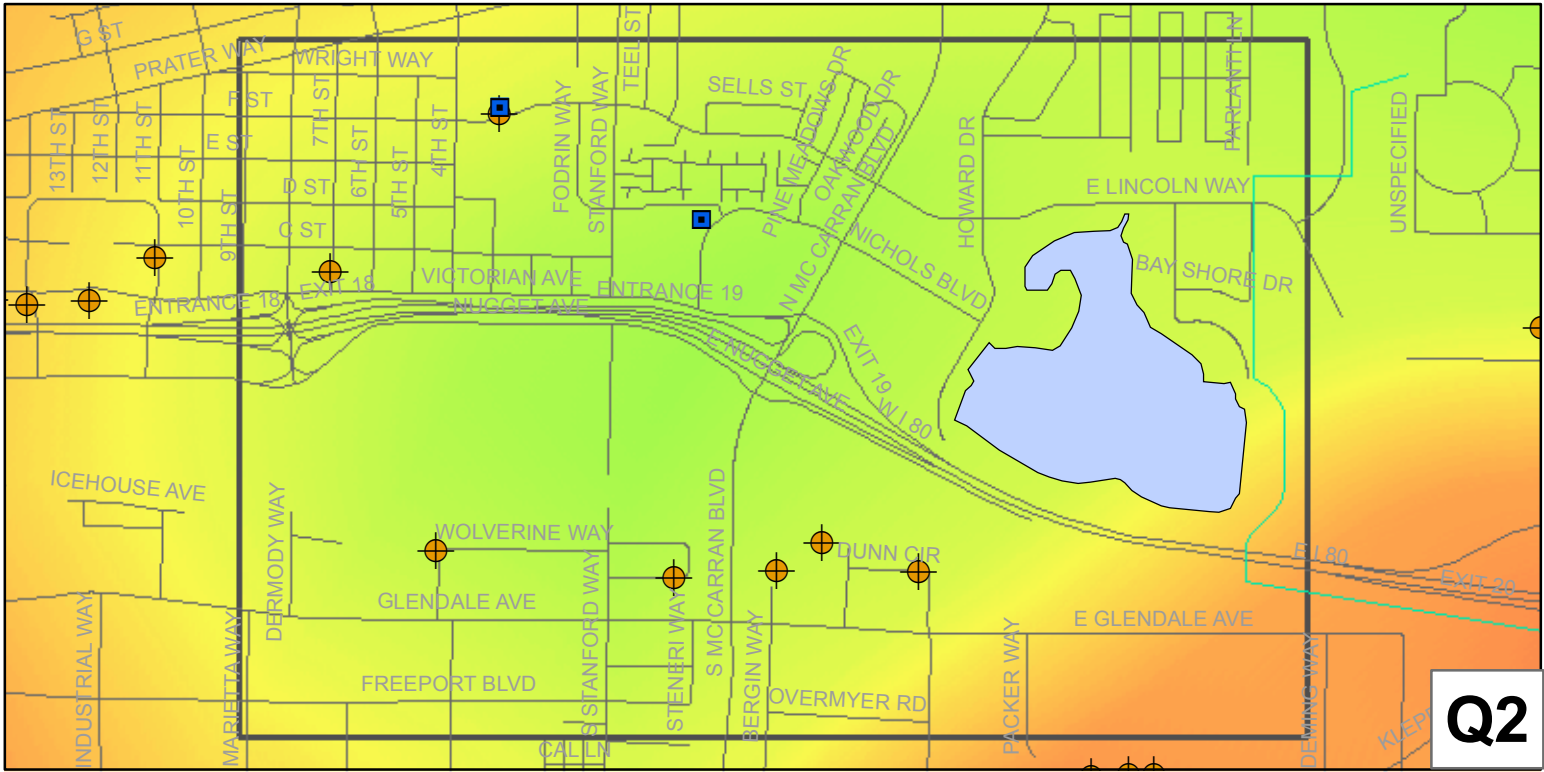
WorleyParsons Komex

resources & energy

Figure 6.29: Average 2006 Groundwater Elevation and Groundwater Elevation Difference

Downtown Sparks Plume Subregion





Notes: Q1-Q4, 2006 Water Level Difference calculated by subtracting the contoured water level elevation in the shallow zone from the contoured water level elevation in the deep zone.

LEGEND

Subregion boundary

Wolverine Way Subregion Water Level Difference map

10.0 feet

0

-10.0 feet

N

W

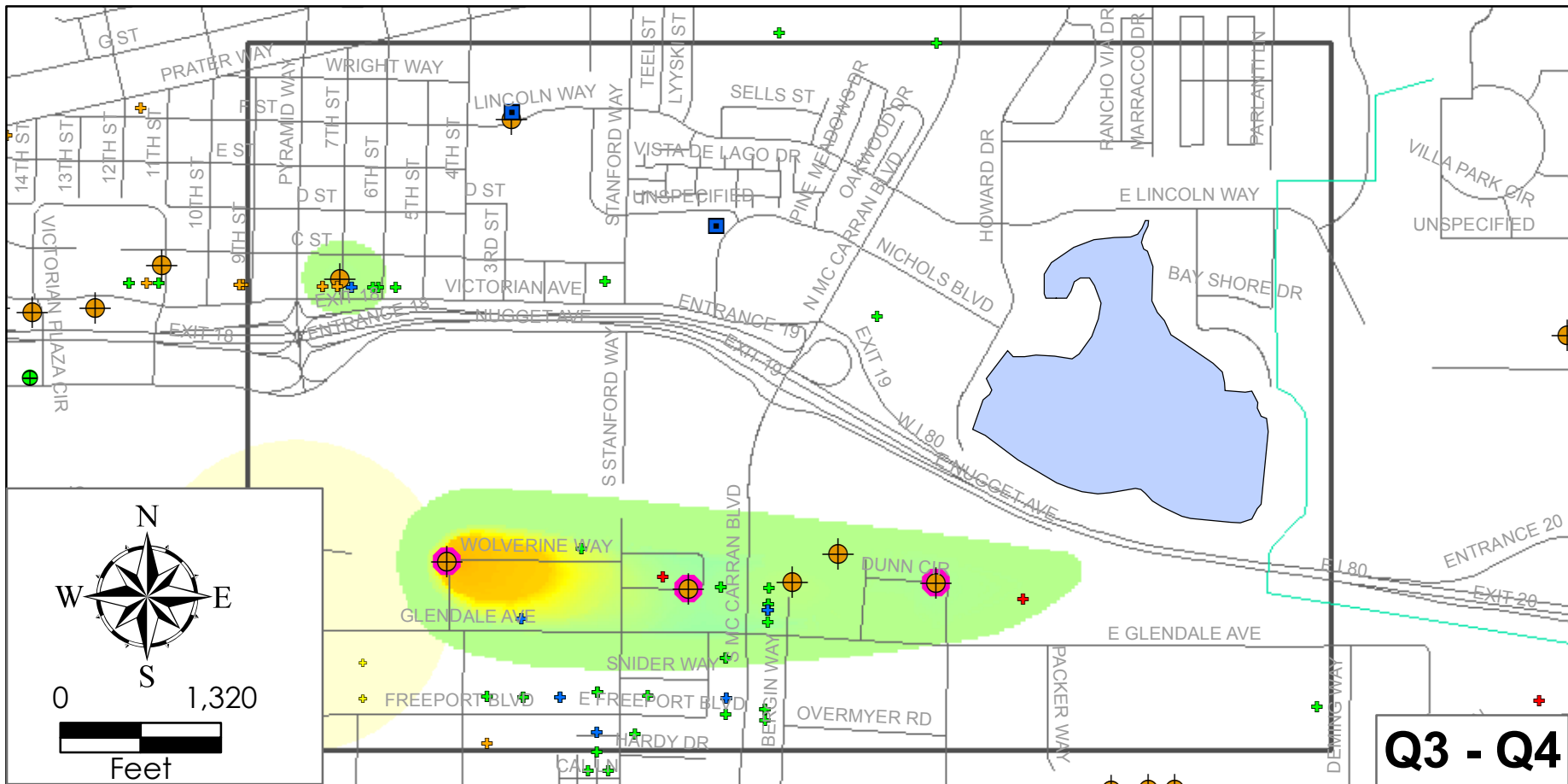
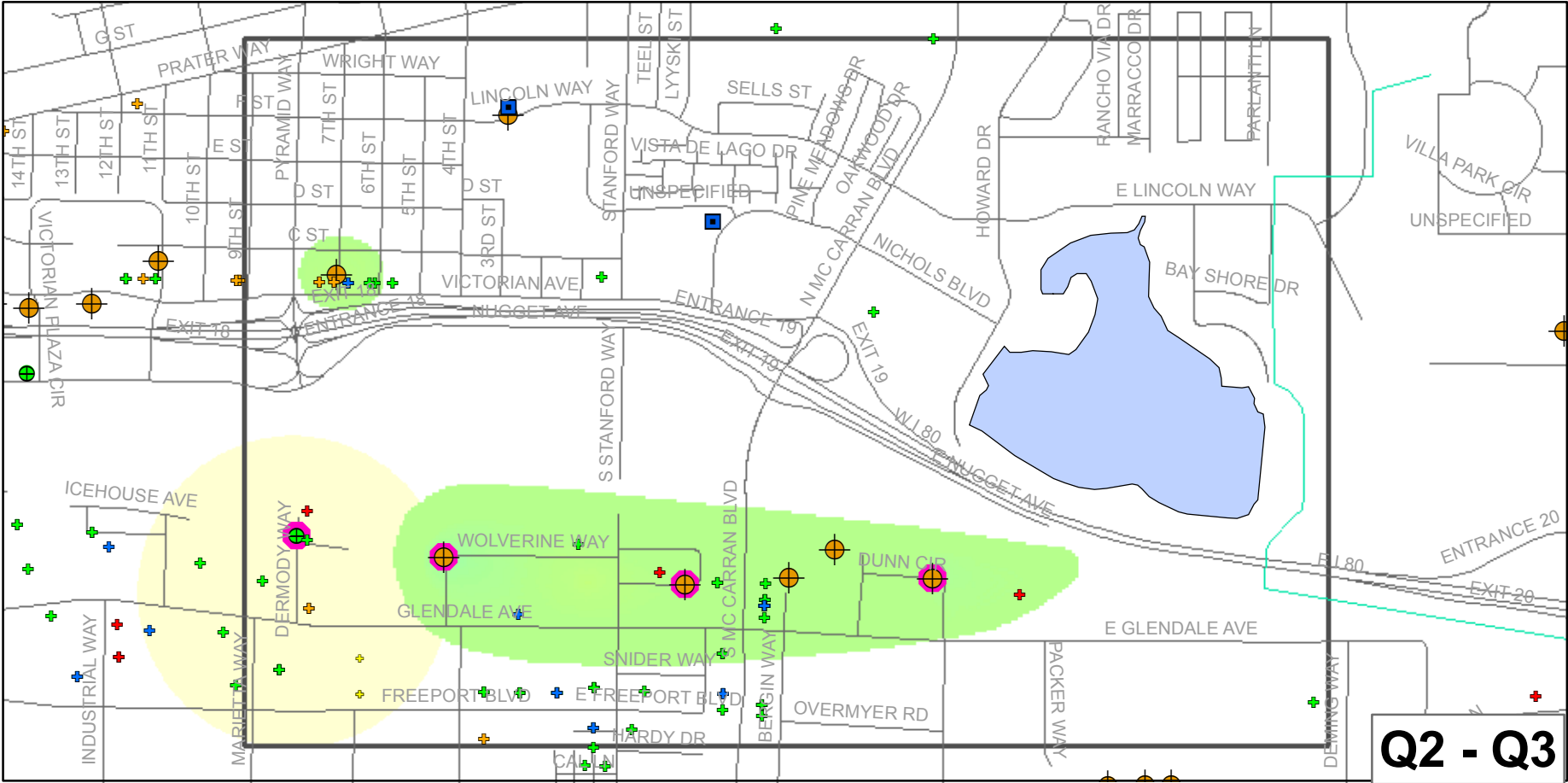
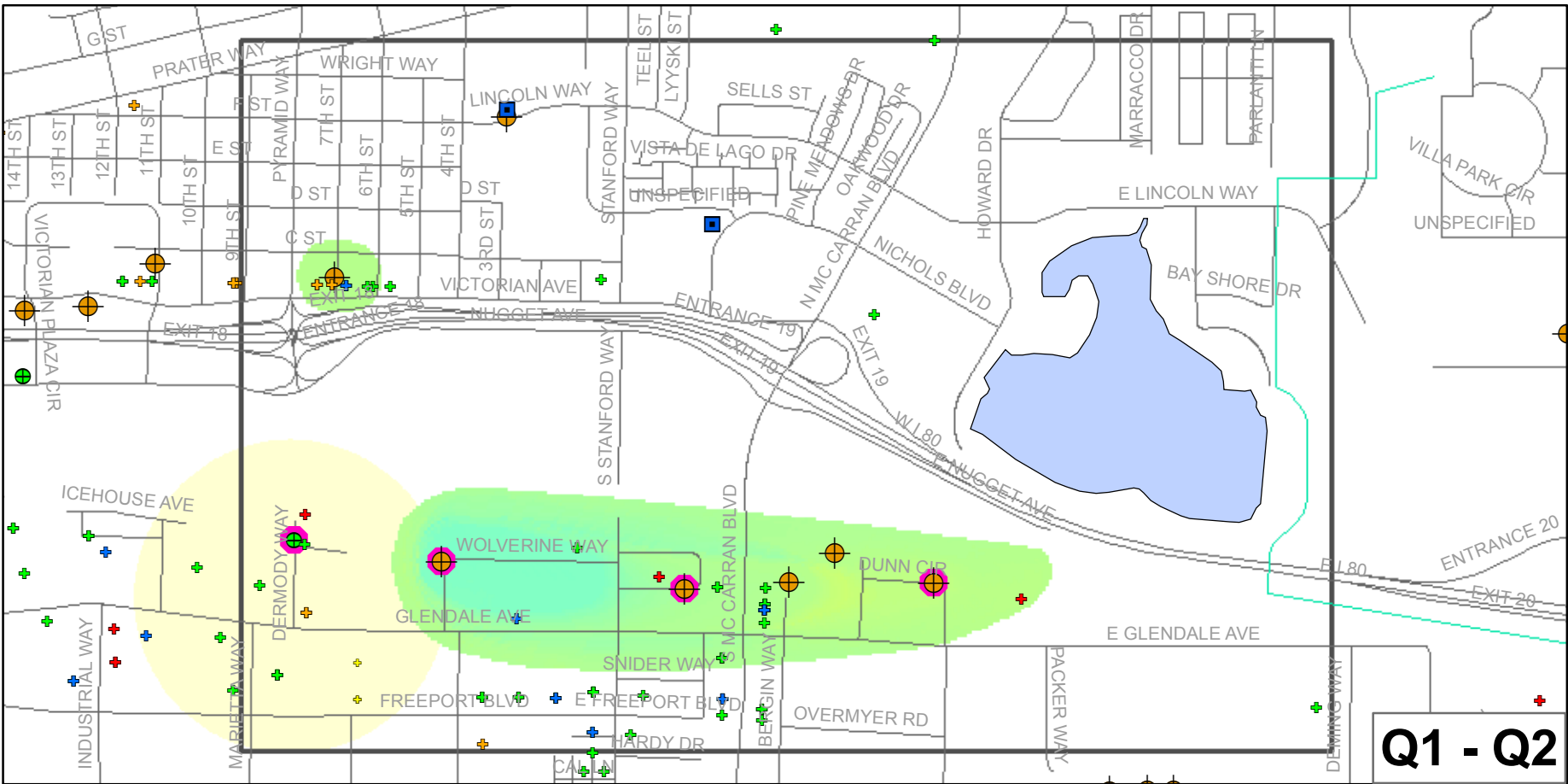
E

S

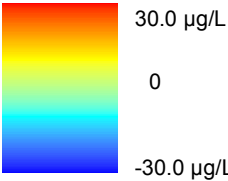
0 2,640

Feet

WASHOE COUNTY DWR		 WorleyParsons Komex resources & energy	
WOLVERINE WAY SUBREGION Q1-Q4 2006 WATER LEVEL DIFFERENCE MAP		MB	MT
		01/2008	
		6N637B	6.30



Notes:
PCE concentration change calculated using the formula: (Previous quarter subtracted from current quarter, ie., (Q2 - Q1)).



WASHOE COUNTY DWR



WorleyParsons Komex
resources & energy

**WOLVERINE WAY STREET SUBREGION 2006
PCE CONCENTRATION CHANGE**

SWL

PM

01/2008

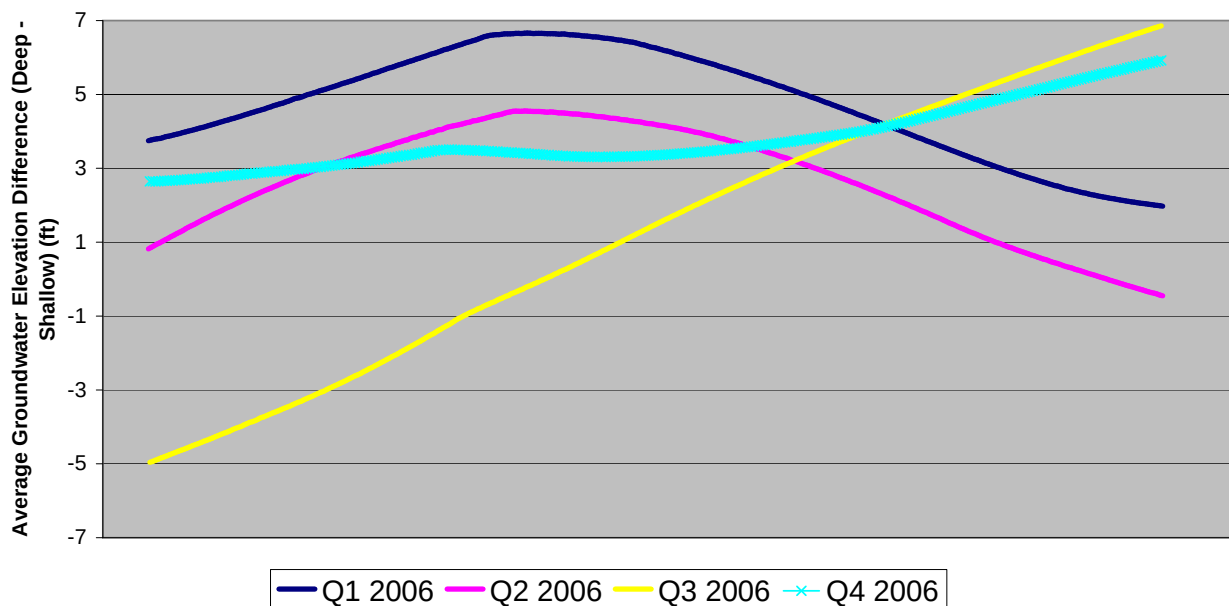
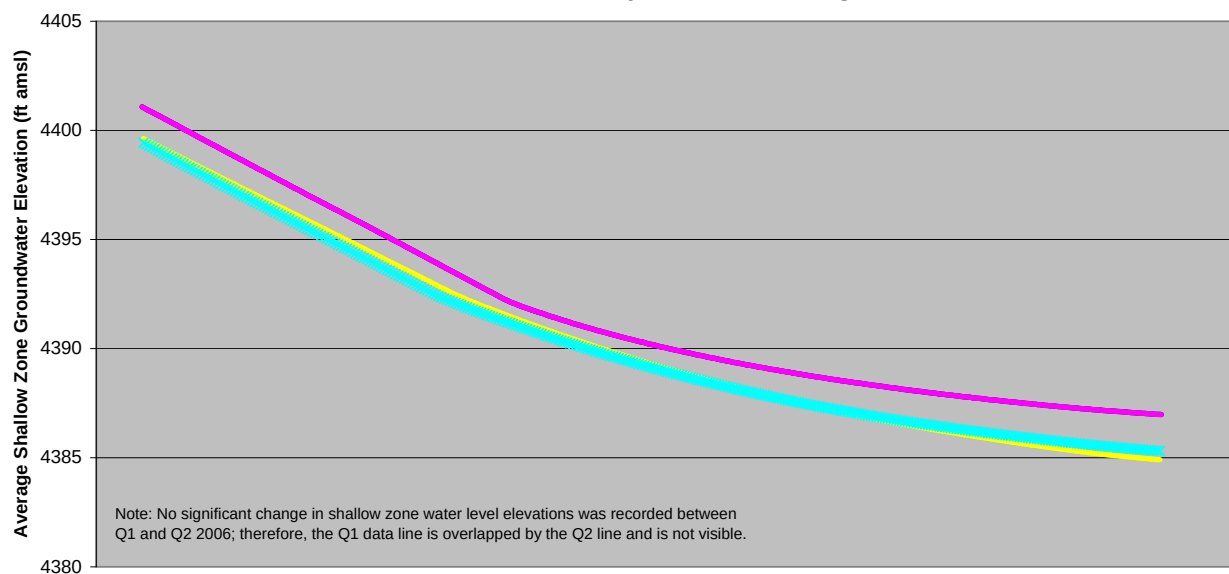
6N637B30

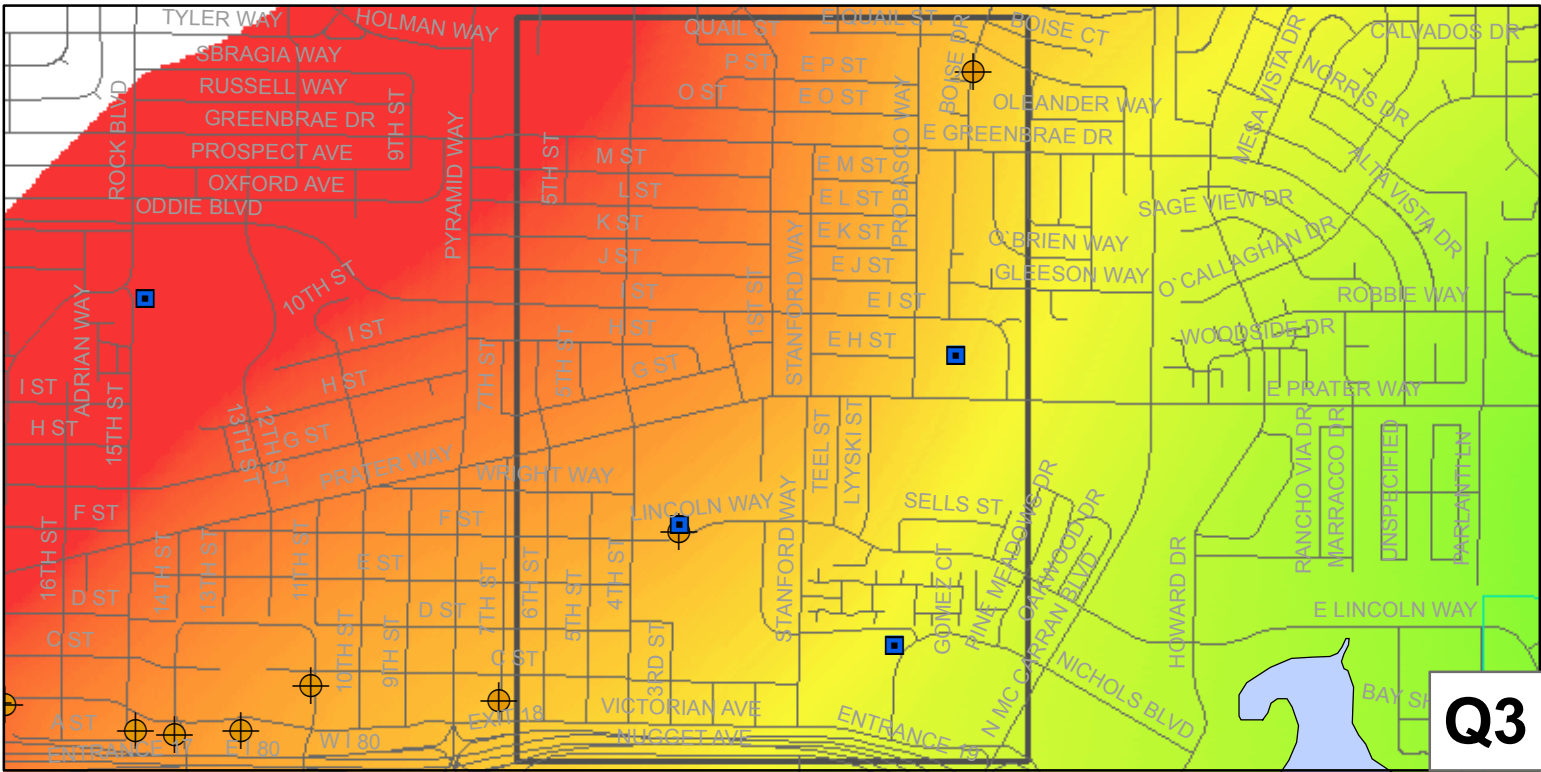
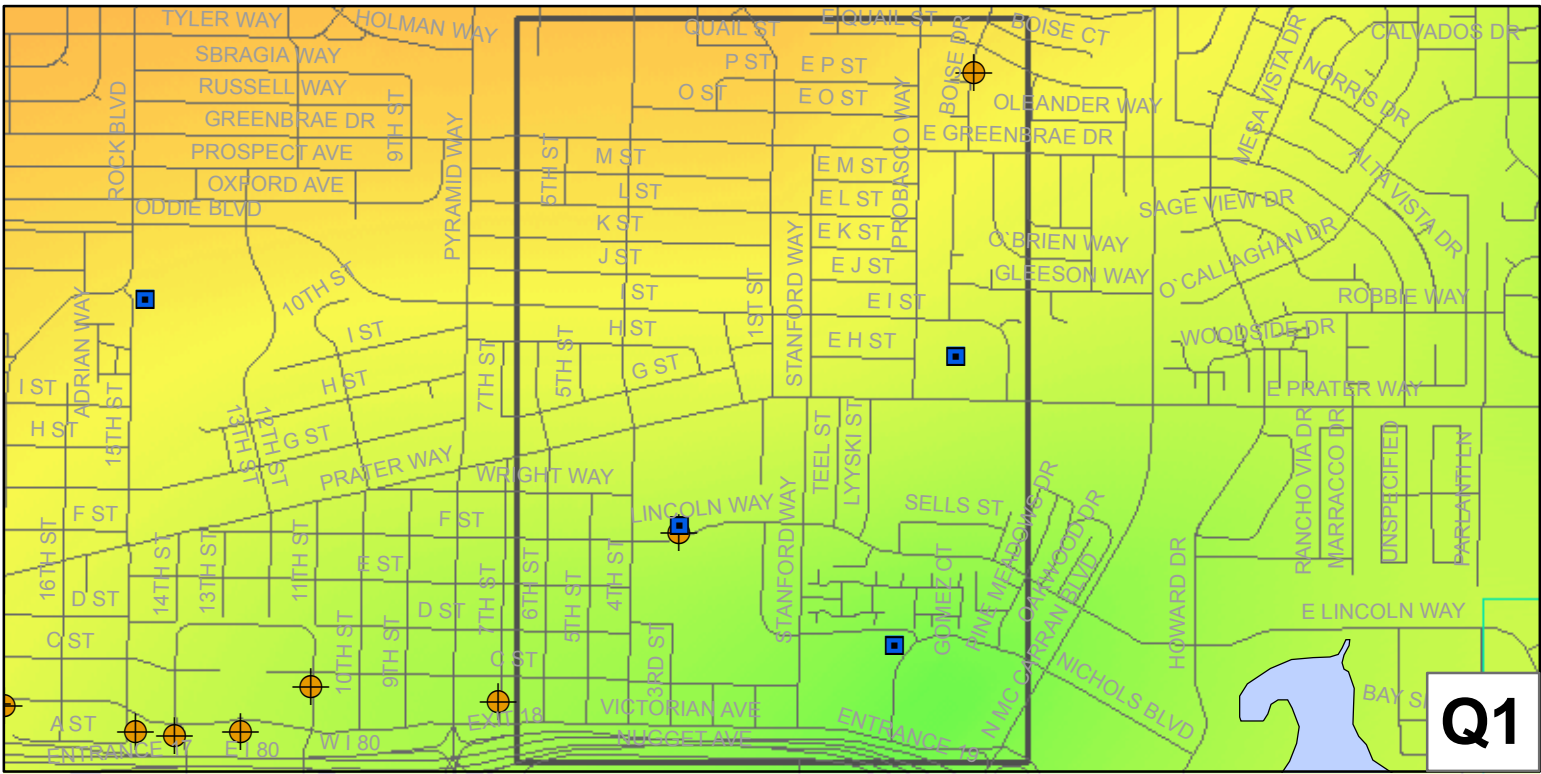
6.31



Figure 6.32: Average 2006 Groundwater Elevation and Groundwater Elevation Difference

Wolverine Way Plume Subregion





Notes: Q1-Q4, 2006 Water Level Difference calculated by subtracting the contoured water level elevation in the shallow zone from the contoured water level elevation in the deep zone.

LEGEND

Subregion boundary

Greenbrae Drive Subregion Water Level Difference map

10.0 feet

0

-10.0 feet

N

W

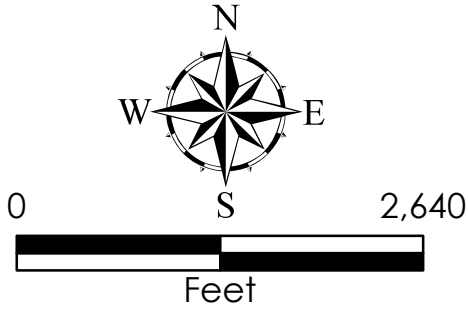
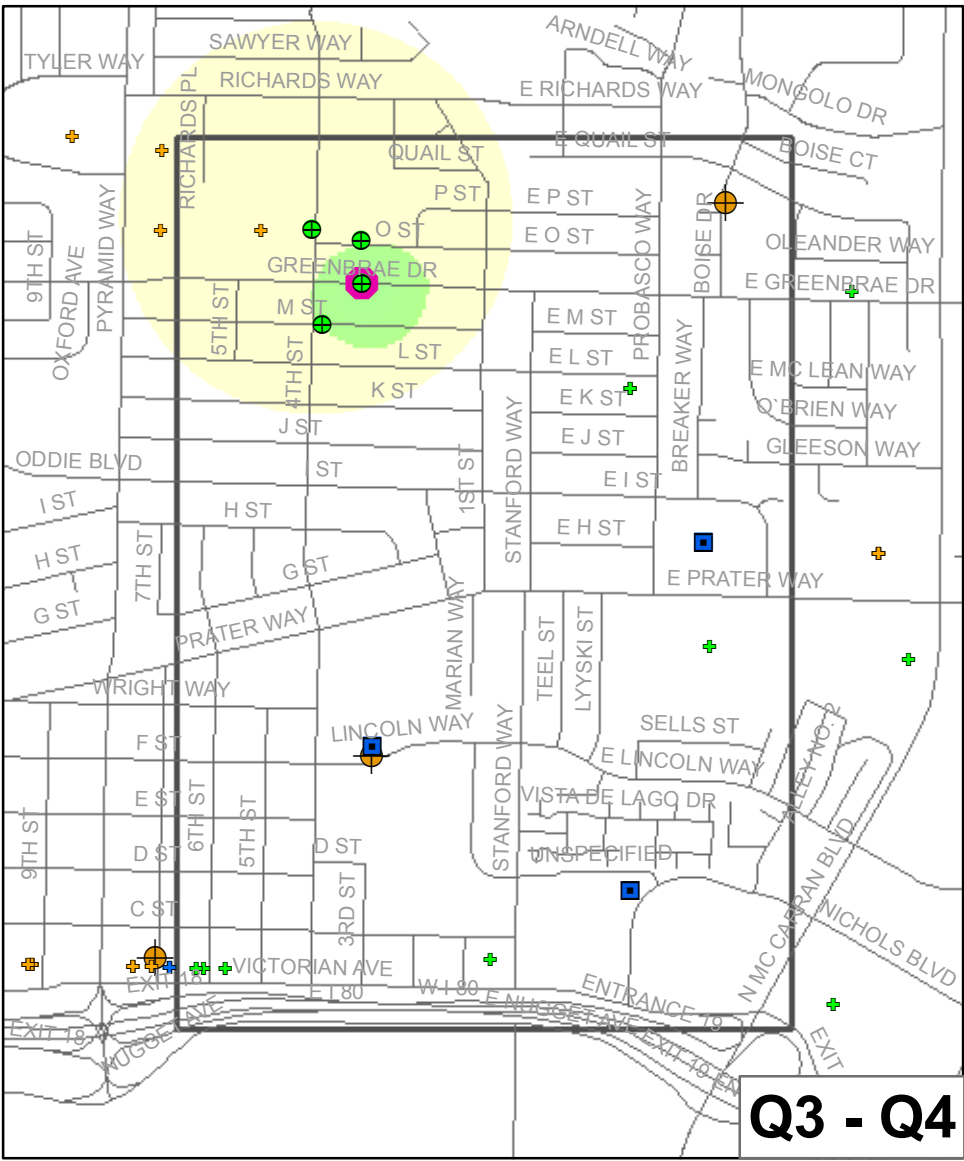
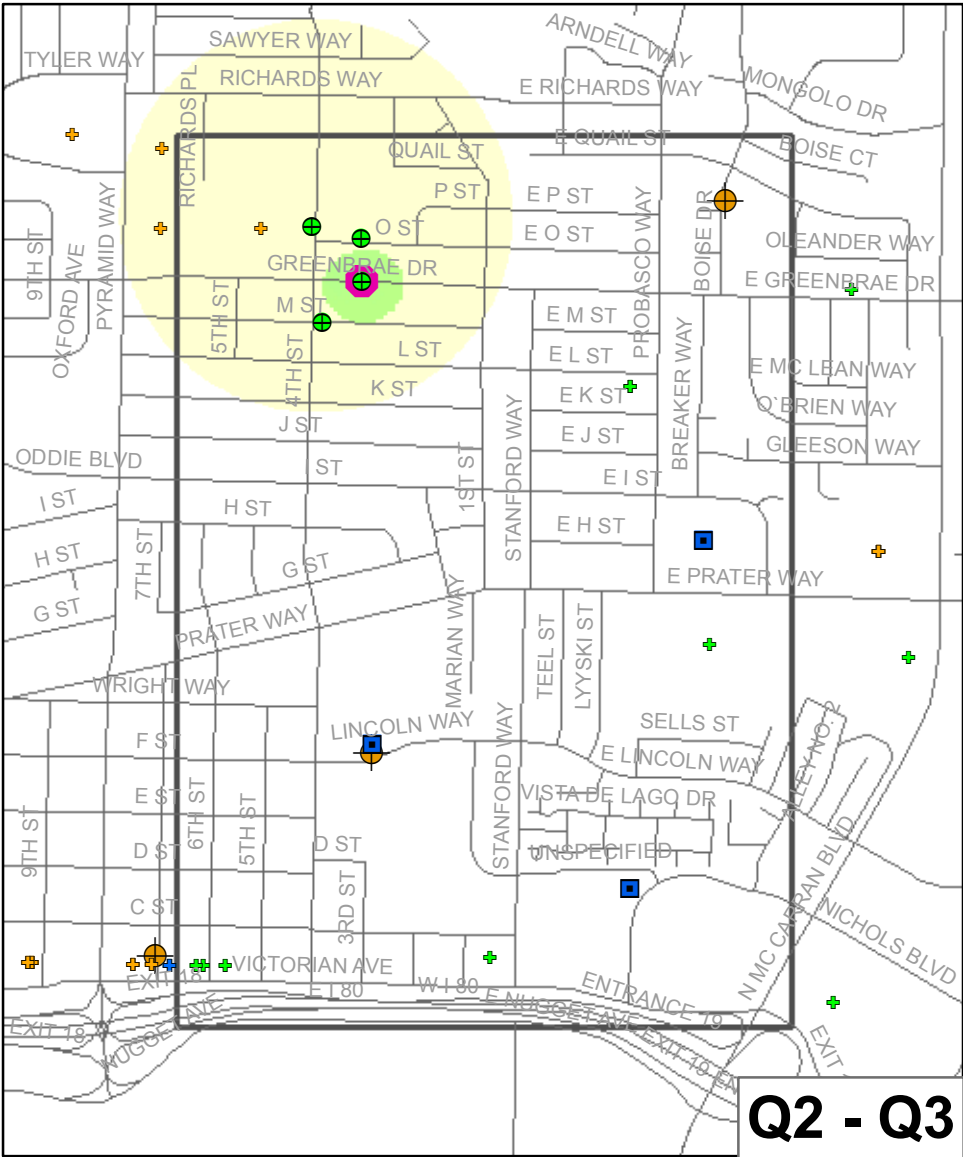
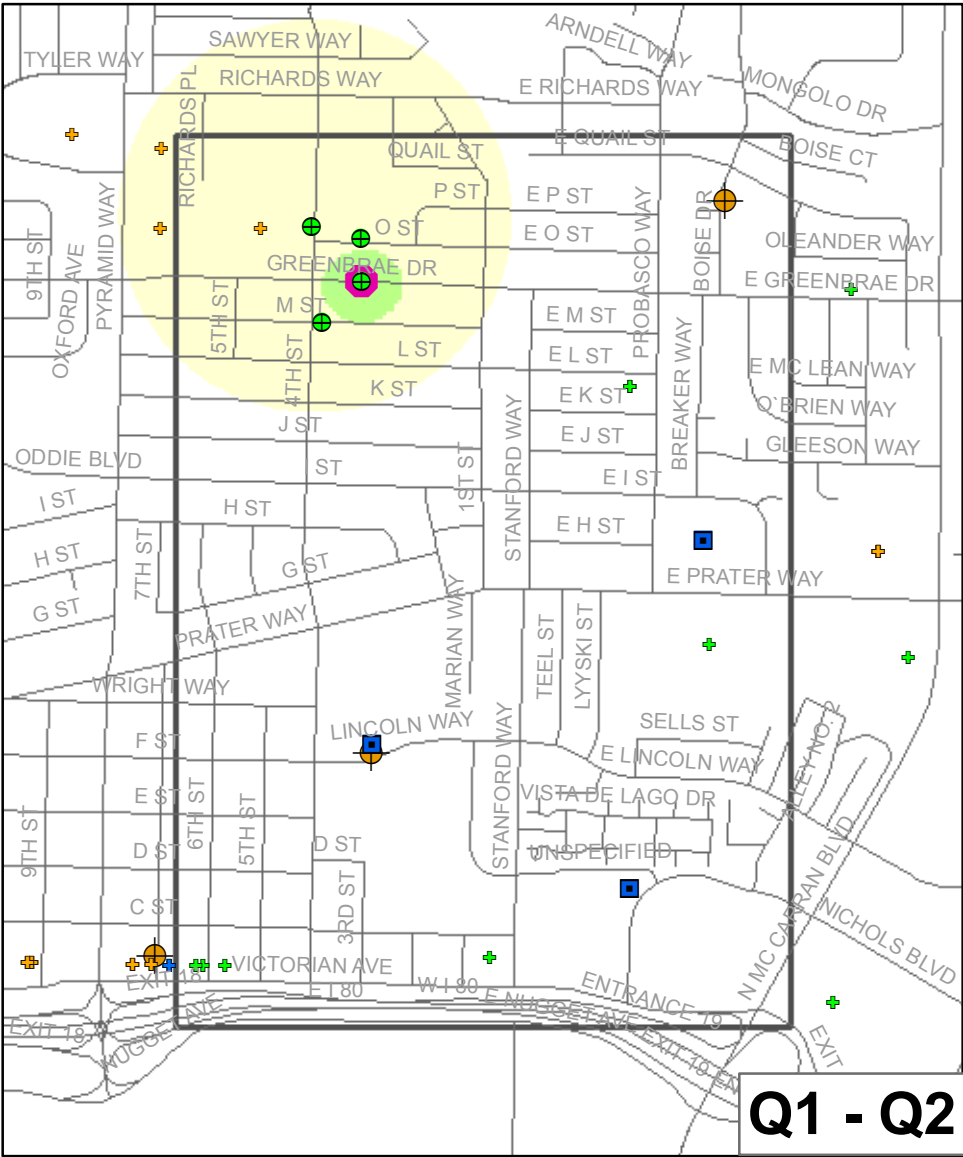
E

S

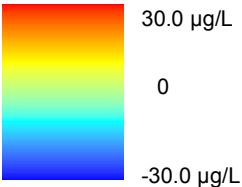
0 2,640

Feet

WASHOE COUNTY DWR	 WorleyParsons Komex resources & energy			
GREENBRAE DRIVE SUBREGION Q1-Q4 2006 WATER LEVEL DIFFERENCE MAP		MB	MT	01/2008
		6N637B		6.33



Notes:
PCE concentration change calculated using the formula: (Previous quarter subtracted from current quarter, ie., (Q2 - Q1).



WASHOE COUNTY DWR		WorleyParsons Komex resources & energy		
GREENBRAE DRIVE SUBREGION 2006 PCE CONCENTRATION CHANGE		SWL	PM	01/2008
		6N637B30		6.34



WorleyParsons Komex

resources & energy

Figure 6.35: Average 2006 Groundwater Elevation and Groundwater Elevation Difference

Greenbrae Drive Plume Subregion

