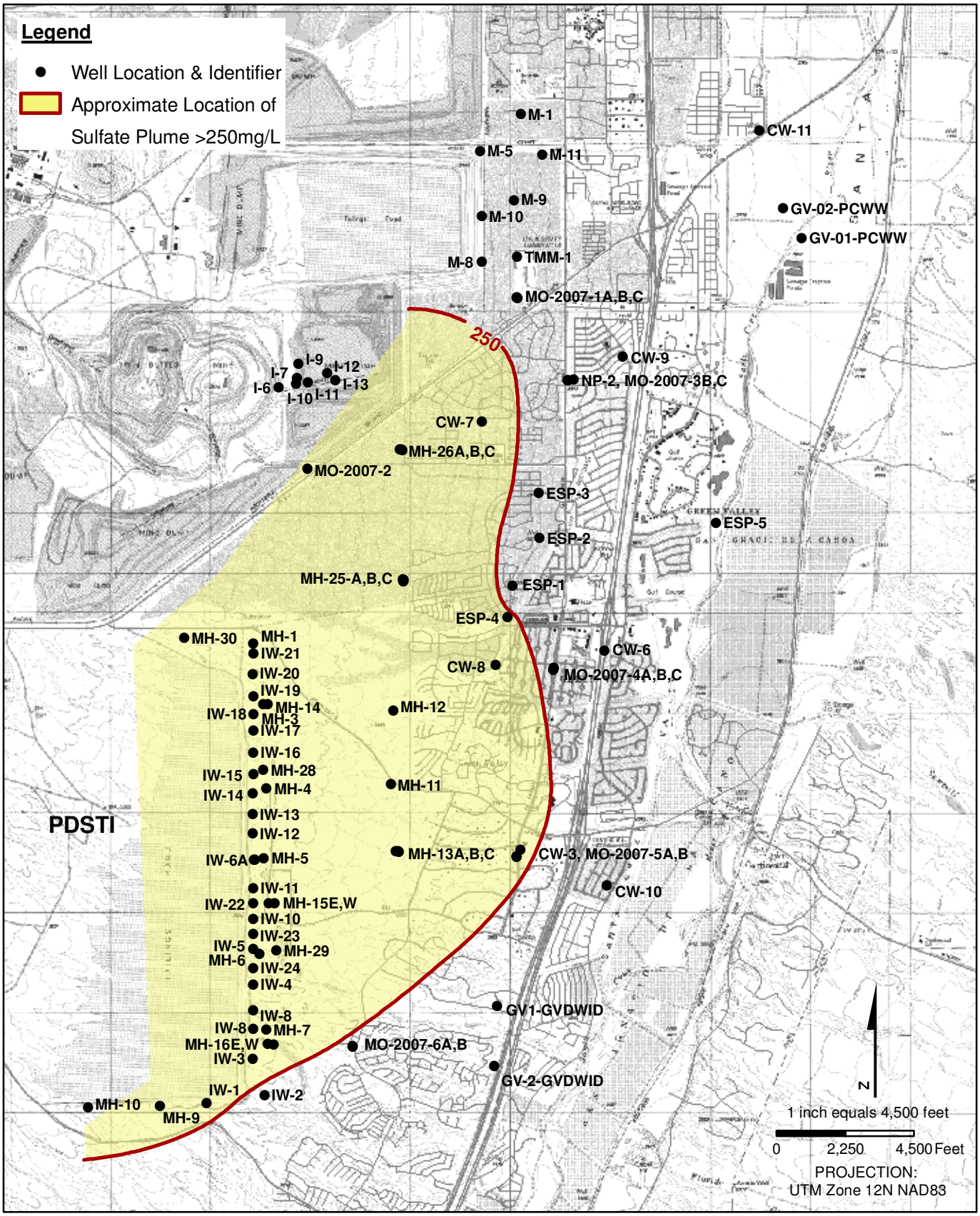
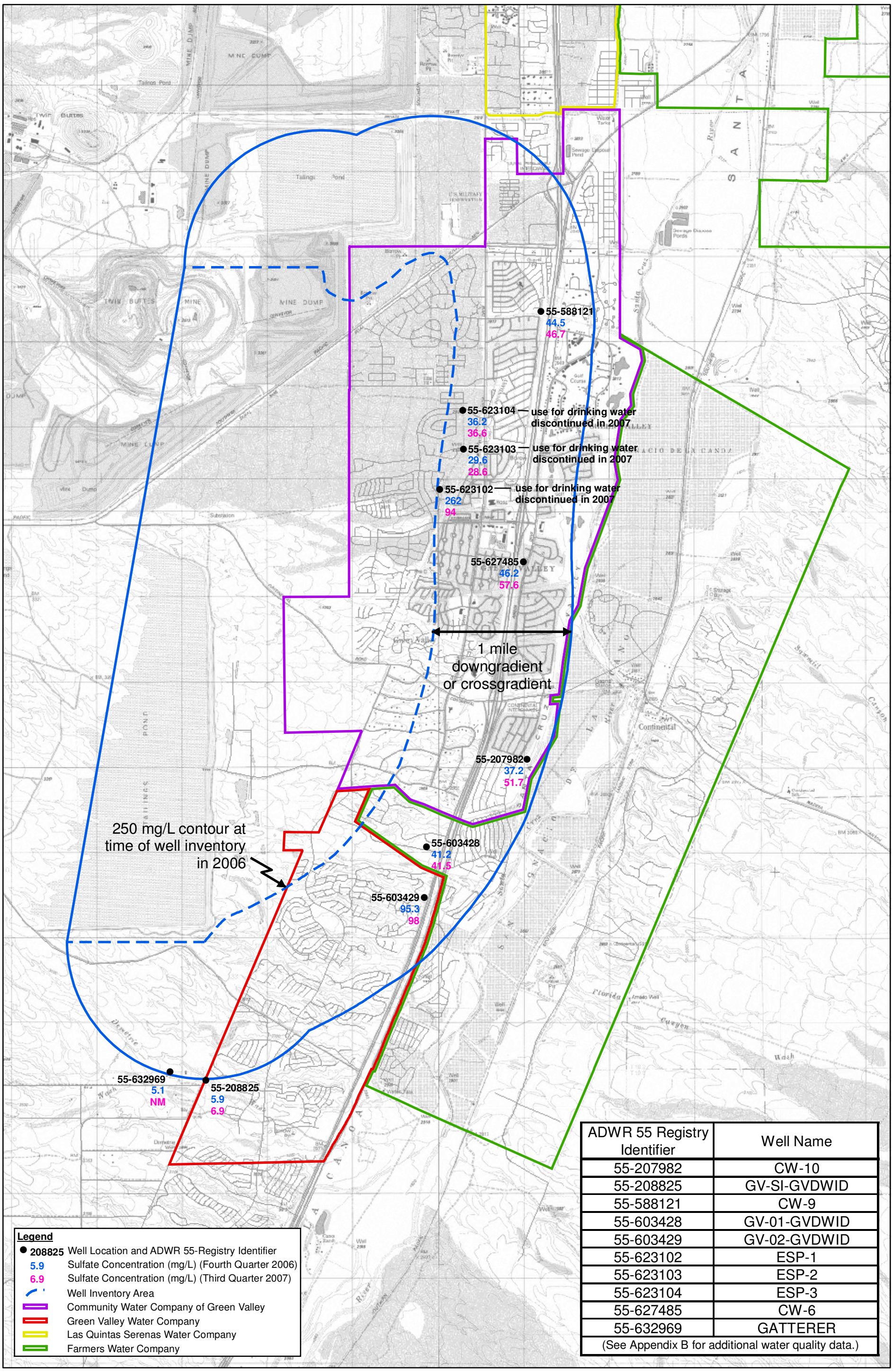
FIGURES



HYDRO GEO CHEM, INC.

LOCATION OF THE SULFATE PLUME BASED ON INFORMATION AS OF OCTOBER 2007

Approved	Date	Author	Date	File Name	Figure
JRN	11/29/07	RAM	11/29/07	78307001G	1



ADWR 55 Registry Identifier	Well Name
55-207982	CW-10
55-208825	GV-SI-GVDWID
55-588121	CW-9
55-603428	GV-01-GVDWID
55-603429	GV-02-GVDWID
55-623102	ESP-1
55-623103	ESP-2
55-623104	ESP-3
55-627485	CW-6
55-632969	GATTERER
(See Appendix B for additional water quality data.)	

NOTE: Sulfate concentration data for Fourth Quarter 2006 from HGC, 2006, Well Inventory Report Task 1 of Aquifer Characterization Plan for Mitigation Order on Consent No. P-50-06. December 20, 2006.
NM = Not Measured

0 1,750 3,500 Feet

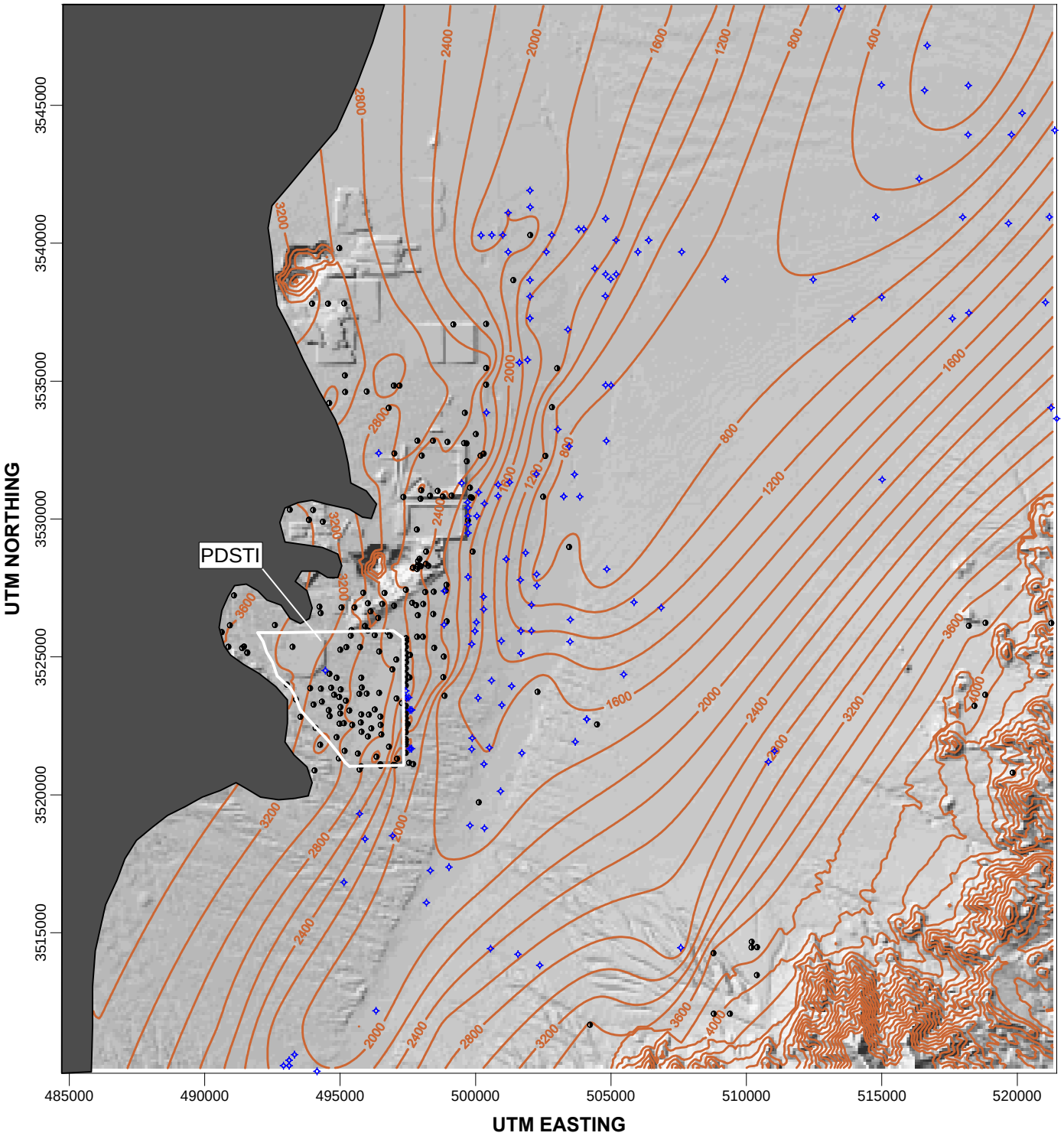
PROJECTION:
UTM Zone 12N NAD83

N

HYDRO GEO CHEM, INC.

ACTIVE DRINKING WATER SUPPLY WELLS IDENTIFIED AND SAMPLED FOR THE WELL INVENTORY AS OF FOURTH QUARTER 2006

Approved	Date	Author	Date	File Name	Figure
JRN	01/23/09	AMC	01/28/09	78307002G	2



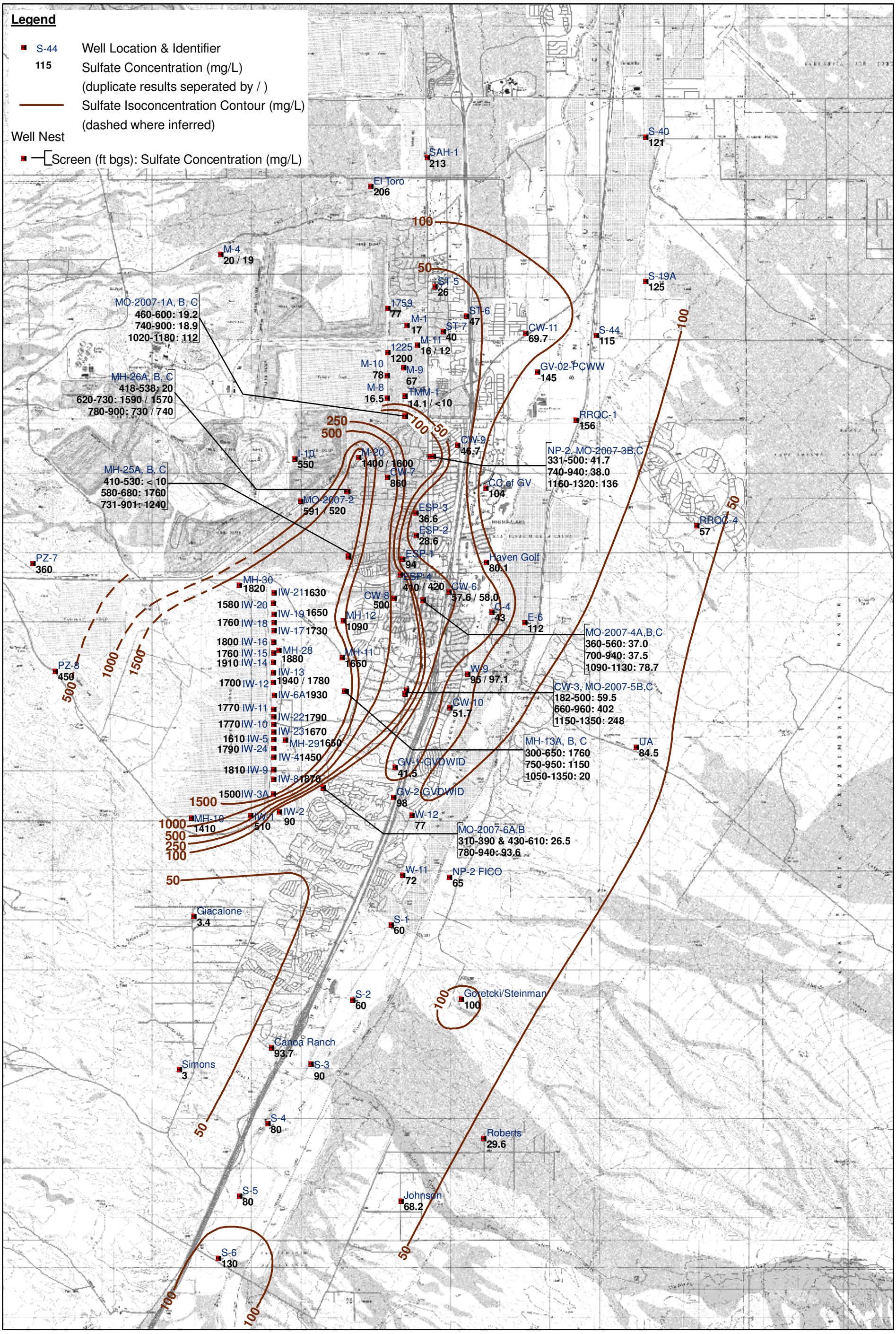
EXPLANATION

- well fully penetrating to bedrock
- non-fully penetrating well
- 2000 kriged bedrock elevation (feet amsl)
- bedrock surface not defined

HYDRO GEO CHEM, INC.

CONTOUR MAP OF KRIGED BEDROCK ELEVATIONS (FEET AMSL) BASED ON BOREHOLE DATA

APPROVED	DATE	REFERENCE	FIGURE
SJS	11/7/07	H:/78300/78306/ PDSTI Data Review/bedrontopo.srf	3



1 inch equals 6,000 feet

0 3,000 6,000 Feet

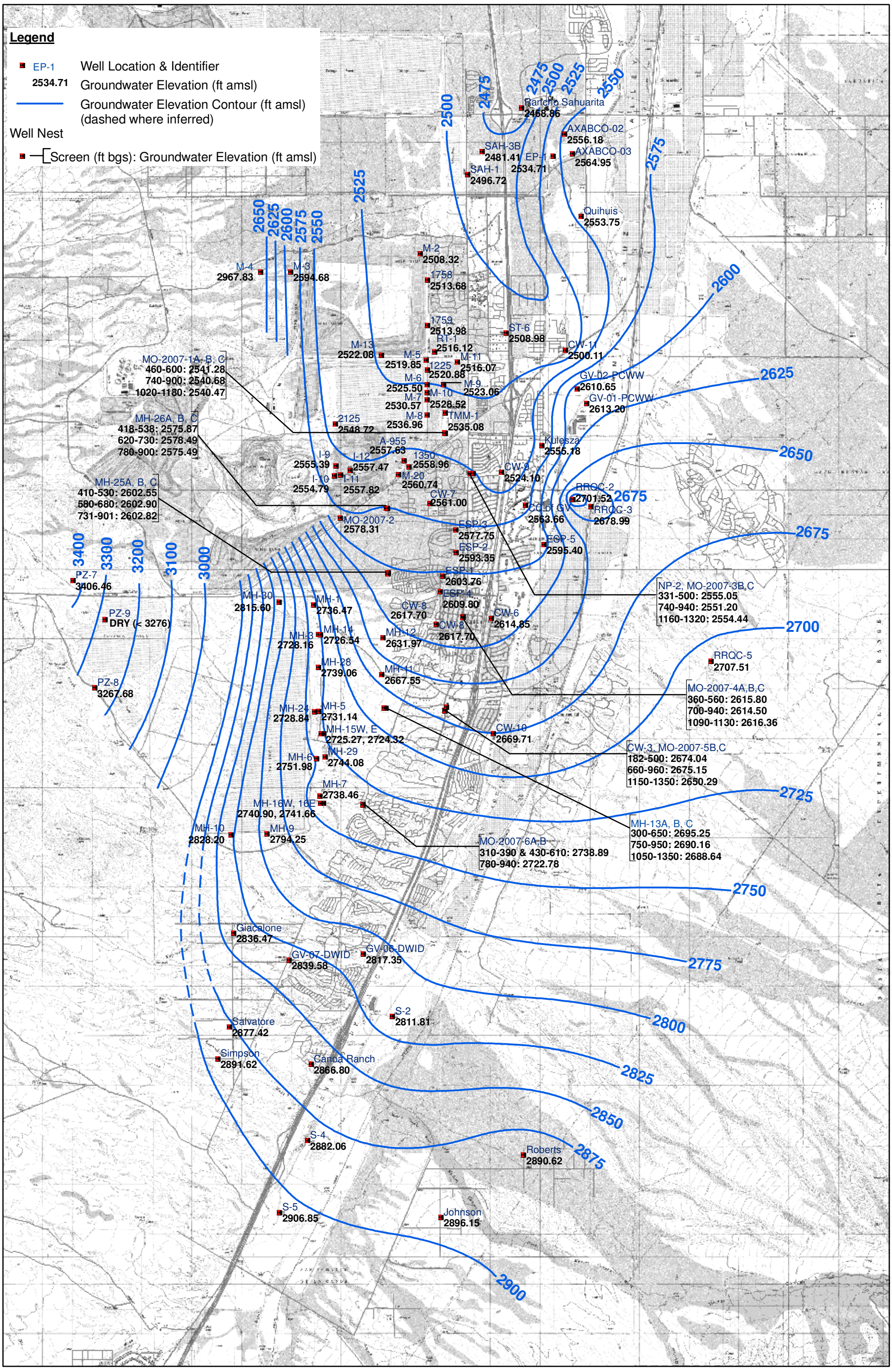
PROJECTION:
UTM Zone 12N NAD83

N

HYDRO GEO CHEM, INC.

SULFATE CONCENTRATIONS IN GROUNDWATER SAMPLES COLLECTED IN JULY THROUGH OCTOBER 2007

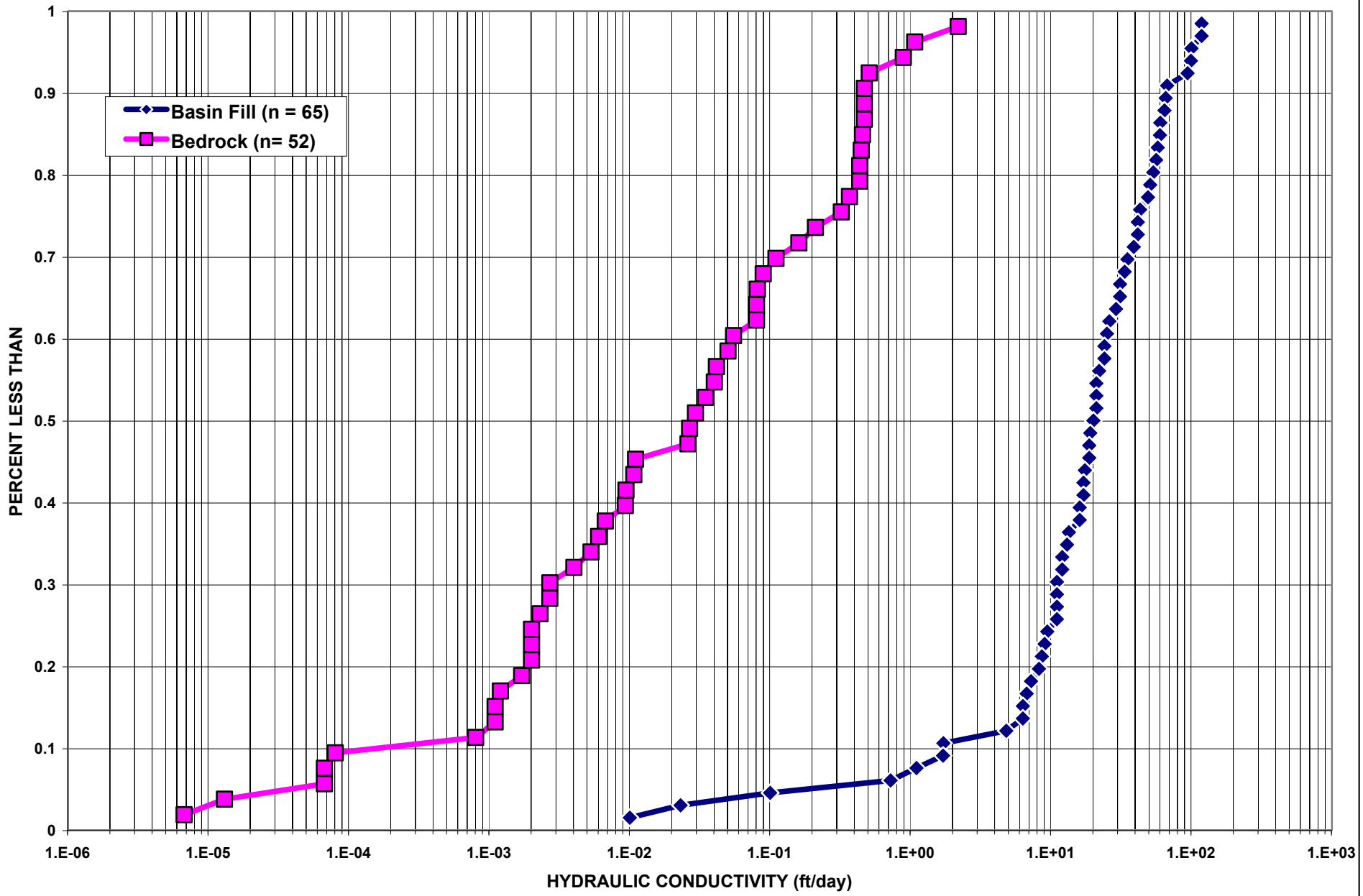
Approved	Date	Author	Date	File Name	Figure
DRS	12/06/07	RAM	12/06/07	7830133G	4



HYDRO GEO CHEM, INC.

GROUNDWATER ELEVATIONS FOR JULY THROUGH OCTOBER 2007

Approved	Date	Author	Date	File Name	Figure
JRN	11/27/07	RAM	11/27/07	7830103G 3	5

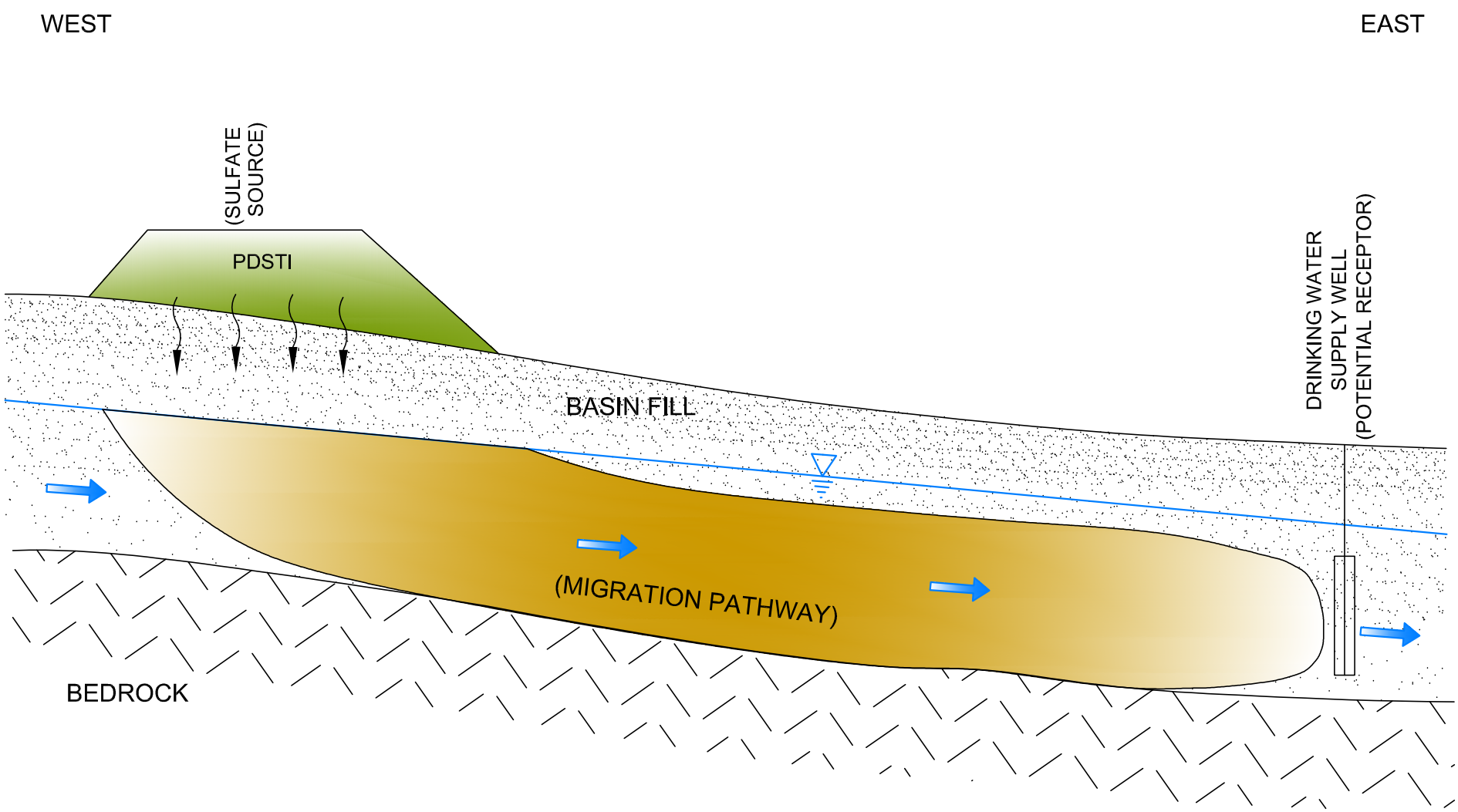


HYDRO GEO CHEM, INC.

FREQUENCY DISTRIBUTION OF HYDRAULIC CONDUCTIVITY ESTIMATES FOR BASIN FILL AND BEDROCK

Approved	Date	Author	Date	File Name	Figure
JRN	12/24/08	KSW	07/03/08	Chart 1	6

H:\78300\783017 - ACR Revision\Figure 6 .xls



Legend

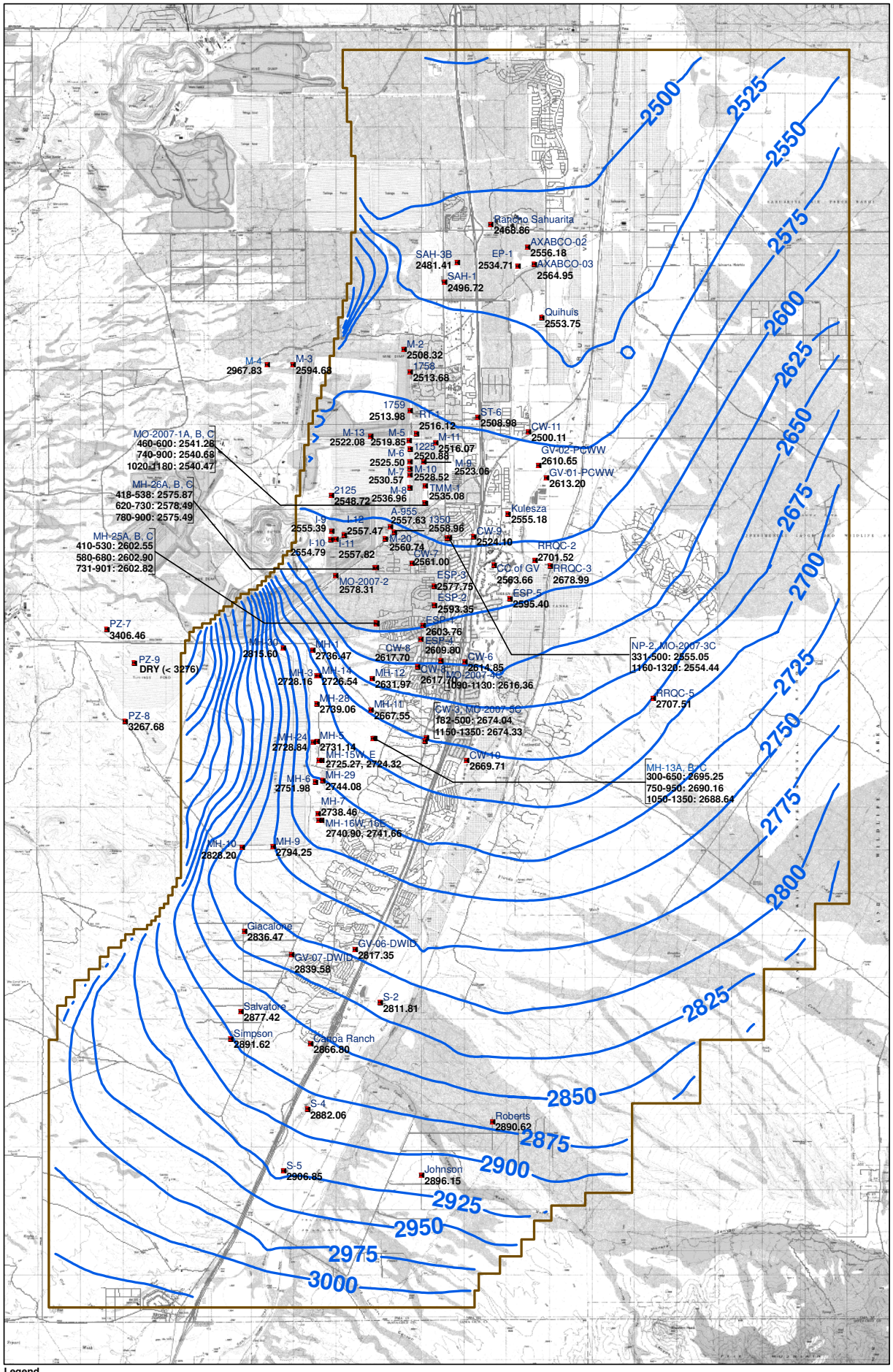
- Water Table
- Seepage Through Vadose Zone
- Groundwater Flow Direction (Migration Pathway)
- Sulfate Bearing Groundwater

N.T.S.

HYDRO GEO CHEM, INC.

SCHEMATIC DIAGRAM OF CONCEPTUAL SITE MODEL

Approved	Date	Author	Date	File Name	Figure
JRN	12/10/08	AMC	1/26/09	7830173A	7



Legend

- M-2 Well Location & Identifier
- 2504.46 Measured Groundwater Elevation (ft amsl)
- Simulated Groundwater Contours
- Model Extents

0 3,600 7,200 Feet

PROJECTION:
UTM Zone 12N NAD83

N

HYDRO GEO CHEM, INC.

SIMULATED GROUNDWATER LEVEL CONTOURS FOR THE END OF 2006 WITH MEASURED GROUNDWATER LEVELS FROM THIRD QUARTER 2007

Approved	Date	Author	Date	File Name	Figure
JRN	12/21/07	RAM	12/21/07	78301414G_2	8