

## CHEMICAL DATA FOR MESILLA BASIN, TEXAS SPREADSHEET TABLES

This digital appendix contains three Excel spreadsheet tables with chemical analysis of ground water from the Texas portion of the Mesilla Basin.

### MAJOR - SPREADSHEET 1

This spreadsheet contains major cation and anion analyses (mg/L) along with supplemental information for wells and sites in the Mesilla Basin. Data are organized from online USGS water quality data. (URL <http://waterdata.usgs.gov/nwis/qwdata>)

<b>LATITUDE</b>	Degrees, minutes, seconds
<b>LONGITUDE</b>	Degrees, minutes, seconds
<b>WELL DEPTH</b>	Total well depth (ft)
<b>DATE</b>	Sample date (month/day/year)
<b>TEMP</b>	Temperature degrees Centigrade
<b>pH FLD</b>	Field pH measurement
<b>pH LAB</b>	Lab pH measurement
<b>COND LAB</b>	Lab conductance (microSiemens)
<b>COND</b>	Field conductance (microSiemens)
<b>TDS 180</b>	Lab total dissolved solids (TDS) analysis (mg/L)
<b>SUM</b>	TDS as sum of analyzed constituents (mg/L)

**Na+K, Na, K, Ca, Mg, Li, Sr, HCO<sub>3</sub>, CO<sub>3</sub>, CO<sub>2</sub>, SO<sub>4</sub>, Cl, F, Br, B, SiO<sub>2</sub> Fe, NO<sub>3</sub>, NO<sub>2</sub>+NO<sub>3</sub>, NO<sub>2</sub>**

## TRACE - SPREADSHEET 2

This spreadsheet contains trace metal and minor element analyses as µg/L for wells and sites in the Mesilla Basin. Data are organized from online USGS water quality data. (URL <http://waterdata.usgs.gov/nwis/qwdata>) The minus symbol in tabulated results indicates that a minor or trace metal was below the specified absolute value shown or detection limit of analysis.

<b>LATITUDE</b>	Degrees, minutes, seconds
<b>LONGITUDE</b>	Degrees, minutes, seconds
<b>TWN</b>	Township
<b>RNG</b>	Range
<b>SEC</b>	Section
<b>QUAD</b>	Section quadrangles or quarters
<b>WELL DEPTH</b>	Total well depth (ft)
<b>DATE</b>	Sample date (month/day/year)
<b>TEMP</b>	Temperature degrees Centigrade

**Al, As, Au, Ba, Cd, Co, Cr, Cu, Hg, Mn, Mo, Ni, Pb, Se, Zn, U, Cr<sup>+6</sup>, Ag, <sup>226</sup>Ra**

## LOCATION - SPREADSHEET 3

This spreadsheet contains location and other information on wells and sites with chemical analyses in the Mesilla Basin. Data are organized from online USGS water quality data. (URL <http://waterdata.usgs.gov/nwis/qwdata>) Important column headings are:

<b>LATITUDE</b>	Degrees, minutes, seconds
<b>DATE</b>	Sample date (month/day/year)
<b>TEMP</b>	Temperature degrees Centigrade
<b>WELL DEPTH</b>	Total well depth (ft)
<b>WATER DEPTH</b>	Depth to water ft below surface
<b>AQUIF TOP</b>	Top of local aquifer sampled in well
<b>AQUIF BOT</b>	Bottom of local aquifer sampled in well
<b>ELEVATION</b>	Elevation above mean sea level of well surface
<b>FLOW</b>	Flow rate in gallons per minute (gpm)