

CHEMICAL DATA FOR MESILLA BASIN, NEW MEXICO SPREADSHEET TABLES

This digital appendix contains three Excel spreadsheet tables with chemical analysis of groundwater from the New Mexico 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>)

LATITUDE	Degrees, minutes, seconds
LONGITUDE	Degrees, minutes, seconds
TWN	Township
RNG	Range
SEC	Section
QUAD	Section quadrangles or quarters
WELL DEPTH	Total well depth (ft)
DATE	Sample date (month/day/year)
TEMP	Temperature degrees Centigrade
pH FLD	Field pH measurement
pH LAB	Lab pH measurement
COND LAB	Lab conductance (microSeimens)
COND	Field conductance (microSeimens)
TDS 180	Lab total dissolved solids (TDS) analysis
SUM	TDS as sum of analyzed constituents

Na+K, Na, K, Ca, Mg, Li, Sr, HCO₃, CO₃, CO₂, SO₄, Cl, F, Br, B, SiO₂ Fe, NO₃, NO₂+NO₃, NO₂

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.

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

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

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:

LATITUDE	Degrees, minutes, seconds
DATE	Sample date (month/day/year)
TWN	Township
RNG	Range
SEC	Section
QUAD	Section quadrangles or quarters
TEMP	Temperature degrees Centigrade
WELL DEPTH	Total well depth (ft)
WATER DEPTH	Depth to water ft below surface
SAMPLE TOP	Top of screen interval sampled in well
SAMPLE BOT	Bottom of screened interval sampled in well
AQUIF TOP	Top of local aquifer sampled in well
AQUIF BOT	Bottom of local aquifer sampled in well
ELEVATION	Elevation above mean sea level of well surface
FLOW	Flow rate in gallons per minute (gpm)
NAME	Well or sample site name