GENERAL DESCRIPTION: File is pipe-delimited (|) ascii file containing 60 columns and 138 rows. First row gives variable name. Definitions of each variable and measurement units are given below:

Variable Name	Variable Description
stnam	USGS Ground-Water Site Inventory (GWSI) station name
trdt	Date and time environmental tracer samples collected in YYYY.MM.DD TTTT format (Time given is Eastern Standard Time in 24-hr format)
otid	Local well name given by owner
qwdt	Date and time ground-water quality samples collected (If different from trdt indicates water-quality data supplied by Dayton Water Department
lat	Latitude in degree-minute-second format
long	Longitude in degree-minute-second format
hygrpcd	Hydrologic Group Code where: WP = Wright-Patterson Air Force Base/Mad River well field area MI = Miami and north Miami well field area MO= Mound Plant area RE = Reconnaissance wells See USGS WRIR 99-4113 pp. 9-15 for description of hydrologic group codes
mpe	Measuring point elevation, in meters above sea level
lse	Land surface elevation, in meters above sea level
lsc	Land surface correction, in meters
tdbls	Total well depth, in meters below land surface
scrl	Screen length, in meters
dtoc	Depth to top of screen, in meters below land surface

Variable Name	Variable Description
wlbls	Water level, in meters below land surface
thsat	Thickness of saturated zone in meters, calculated as difference of wlbls-dtoc; note that wells where water level falls within screened interval yield negative thsat values
trspc	Specific conductance in microsiemems per centimeter at 25 degrees Celsius recorded in field during environmental tracer sampling at trdt
dyspc	Specific conductance in microsiemems per centimeter at 25 degrees Celsius recorded in field during water-quality sampling by City of Dayton personnel at qwdt
trph	pH in standard units recorded in field during environmental tracer sampling at trdt
dyph	pH in standard units recorded in field during water-quality sampling by City of Dayton personnel at qwdt
trbp	Barometric pressure in millimeters Hg at trdt
trairt	Air Temperature in degrees Celsius at trdt
trwatt	Ground-water Temperature in degrees Celsius at trdt
trehshe	Redox potential, in millivolts, relative to the Standard Hydrogen Electrode (SHE)
ltdo	Remark code for trdo: a less than symbol (<) indicates that the parameter is less than the value reported in the trdo column.
trdo	Dissolved oxygen, in milligrams per liter
trhard	Hardness, in millgrams per liter as calcium carbonate
trca	Calcium, in milligrams per liter
trmg	Magnesium, in milligrams per liter
trna	Sodium, in milligrams per liter

Variable Name	Variable Description
trk	Potassium, in milligrams per liter
tralk	Alkalinity, in milligrams per liter as calcium carbonate, field value determined at trdt
trbic	Bicarbonate concentration, in milligrams per liter, calculated from tralk
dyalk	Alkalinity, in milligrams per liter as calcium carbonate, lab value from sample collected on qwdt by City of Dayton personnel
dybic	Bicarbonate, in milligrams per liter, calculated from dyalk
trso4	Sulfate, in milligrams per liter
trcl	Chloride, in milligrams per liter
trf	Fluoride, in milligrams per liter
ltbr	Remark code for trbr: a less than symbol (<) indicates that the parameter is less than the value reported in the trbr column
trbr	Bromide, in milligrams per liter
trsio2	Silica, in milligrams per liter
ltnh4	Remark code for trnh4r: a less than symbol (<) indicates that the parameter is less than the value reported in the trnh4 column.
trnh4	Ammonia-nitrogen, in milligrams per liter
ltno2	Remark code for trno2: a less than symbol (<) indicates that the parameter is less than the value reported in the trno2 column
trno2	Nitrite-nitrogen, in milligrams per liter
ltno3	Remark code for trno3: a less than symbol (<) indicates that the parameter is less than the value reported in the trno3 column.

Variable Name	Variable Description
trno3	Nitrate plus nitrite nitrogen, in milligrams per liter
ltpo4	Remark code for trpo4: a less than symbol (<) indicates that the parameter is less than the value reported in the trpo4 column
trpo4	Orthophosphate, in milligrams per liter
trb	Boron, in micrograms per liter
ltfet	Remark code for trfet: a less than symbol (<) indicates that the parameter is less than the value reported in the trfet column
trfet	Iron-total, in micrograms per liter
ltfed	Remark code for trfed: a less than symbol (<) indicates that the parameter is less than the value reported in the trfed column
trfed	Iron-dissolved, in micrograms per liter
ltmnt	Remark code for trmnt: a less than symbol (<) indicates that the parameter is less than the value reported in the trmnt column
trmnt	Manganese-total, in micrograms per liter
ltmnd	Remark code for trmnd: a less than symbol (<) indicates that the parameter is less than the value reported in the trmnd column
trmnd	Manganese-dissolved, in micrograms per liter
trdoc	Organic carbon, in milligrams per liter (values given are for dissolved organic carbon except for values where qwdt are not null; these data are total organic carbon determinations done by City of Dayton
trtds	Sum of dissolved constituents, in milligrams per liter (calculated value)
balerr	Charge-balance error, expressed as percent. See USGS WRIR 99-4113 p. 18 for details.