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## APPENDIX D ... VARIOUS ASCII FILES ... PROGRAM'S DEFAULT AND EXAMPLES

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### GWW.UNT

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Units, type of units,  
and conversion  
factors. First line  
(header) is not a part  
of the file.

Data Type	Unit	Conversion Factor
Length	m	1.0000000E 00
Length	cm	1.0000000E-02
Length	mm	1.0000000E-03
Length	inch	2.5400000E-02
Length	feet	3.0487800E-01
Length	yard	9.1440000E-01
Length	mile	1.6090000E 03
Time	sec	1.0000000E 00
Time	min	6.0000000E 01
Time	hr	3.6000000E 03
Time	day	8.6400000E 04
Volume	m3	1.0000000E 00
Volume	l	1.0000000E-03
Volume	cm3	1.0000000E-06
Volume	quart	9.4760000E-04
Volume	barrel	1.5900000E-01
Volume	acre-ft	1.2340000E 03
Volume	gallon	3.7850000E-03
Volume	ft3	2.8299688E-02
Area	m2	1.0000000E 00
Area	ha	1.0000000E 04
Area	ft2	9.2902260E-02
Area	acre	4.0470000E 03
Flowrate	m3/s	1.0000000E 00
Flowrate	l/s	1.0000000E-03
Flowrate	gpm	6.3090000E-05
Flowrate	g(UK)pm	7.5770000E-05
Flowrate	acre-ft/d	1.4580000E-04
Flowrate	m3/day	1.1500000E-05
Velocity	m/sec	1.0000000E 00
Velocity	cm/sec	1.0000000E-02

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Velocity	m/d	1.1500000E-05
Velocity	m/yr	4.1975000E-03
Velocity	m <sup>3</sup> /s/acre	3.2708762E 01
Velocity	gpad	1.4326438E-06
Velocity	ft/sec	3.0480000E-01
Transmissivity	m <sup>2</sup> /s	1.0000000E 00
Transmissivity	m <sup>2</sup> /day	1.1574000E-05
Transmissivity	gpd/ft	1.3857491E-07
Transmissivity	g(UK)pd/ft	1.6646841E-07
Transmissivity	ft <sup>2</sup> /min	1.4860773E-03
Permeability	m/s	1.0000000E 00
Permeability	m/day	1.1574000E-05
Permeability	cm/s	1.0000000E-02
Permeability	gal/day/ft <sup>2</sup>	4.7160000E-07
Permeability	ft/s	3.4800000E-01
Permeability	ft/day	4.0277520E-06
Pressure	Pascal	1.0000000E 00
Pressure	pounds/sq.in.	6.8950000E 03
Pressure	lb/sq	1.0000000E 00
Pressure	atmosphere	1.0130000E 05
Pressure	millibar	1.0000000E 02
Pressure	kg/m.s <sup>2</sup>	1.0000000E 00
Temperature	Celsius	1.0000000E 00
Energy	joule	1.0000000E 00
Energy	ft-lb	1.3560000E 00
Energy	ft-poundal	4.2140000E-02
Energy	BTU	1.0550000E-03
Energy	calorie	4.1870000E 00
Energy	kg.m <sup>2</sup> /s <sup>2</sup>	1.0000000E 00
Force	newton	1.0000000E 00
Force	pound(f)	4.4480000E 00
Leakance	1/s	1.0000000E 00
Leakance	1/min	1.6666666E-02
Leakance	1/day	1.1574070E-05

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**PPMTOEPM.TBL**

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The first line (header)  
is not a part of the file.

Constituent	Conversion Factor
Ca	0.04990
Mg	0.08226
Na	0.04350
K	0.02557
Fe	0.05372
Mn	0.03640
HCO3	0.01639
CO3	0.03333
SO4	0.02082
Cl	0.02821
NO3	0.01613
NO	0.02174
PO4	0.03159
SiO2	0.27750
Sr	0.02283
Zn	0.03060
Al	0.11119
NH4	0.05544
Ba	0.01456
Be	0.33288
Br	0.01251
Cd	0.01779
Co	0.03394
Cu	0.03148
F	0.05264
H	0.99209
OH	0.05880
I	0.00788
Li	0.14411
Rb	0.01170

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**GUARICO**

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Example of a line file  
(a river). The first line  
(header) is not a part  
of the file.

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X Coordinate	Y Coordinate
672327.68700000	970824.25000000
672175.68700000	970572.25000000
672210.68700000	970399.25000000
672457.68700000	970604.25000000
672540.68700000	970307.25000000
672367.68700000	969797.25000000
672282.68700000	969622.25000000
672537.68700000	969119.25000000
672610.68700000	969004.25000000
672987.68700000	969432.25000000
673195.68700000	969052.25000000
673057.68700000	968689.25000000
673247.68700000	968517.25000000
673535.68700000	968509.25000000
673897.68700000	968989.25000000
674237.68700000	968362.25000000
674337.68700000	967899.25000000
674067.68700000	967649.25000000
673997.68700000	967559.25000000
673870.68700000	967364.25000000
673510.68700000	967297.25000000
673117.68700000	967222.25000000
672930.68700000	967219.25000000
673002.68700000	967437.25000000
673177.68700000	967689.25000000
673017.68700000	967897.25000000
672712.68700000	967592.25000000
672515.68700000	967367.25000000
672575.68700000	967012.25000000
672857.68700000	966774.25000000
673002.68700000	966592.25000000
673257.68700000	966827.25000000
673462.68700000	966687.25000000
673205.68700000	966262.25000000
673342.68700000	965977.25000000
673570.68700000	965744.25000000

673682.68700000	966107.25000000
673670.68700000	966444.25000000
673920.68700000	966294.25000000
673747.68700000	965404.25000000
673130.68700000	965314.25000000
673295.68700000	965077.25000000
673377.68700000	964637.25000000
673372.68700000	964417.25000000
673152.68700000	964372.25000000
673155.68700000	963887.25000000
673862.68700000	963927.25000000

## **RANDOM DATA FILE EXAMPLE**

**The first line  
(header) is not a  
part of the file.**

<b>X Coordinate</b>	<b>Y Coordinate</b>	<b>Z Coordinate</b>	<b>Well Ident.</b>
665000.0	958000.0	83.31000	El_Frio
659000.0	959900.0	83.90000	P-184
643300.0	965700.0	81.82000	P-540
639300.0	965700.0	81.50000	P-543
657900.0	949000.0	80.00000	PO-1
660000.0	953500.0	79.00000	PO-2
663600.0	950300.0	78.00000	PO-3
657800.0	945300.0	80.00000	PO-4
654863.0	938521.0	76.30000	PO-5
675800.0	962300.0	85.50000	SRRG-10
668100.0	954200.0	82.50000	SRRG-11
657700.0	964800.0	85.20000	SRRG-15
645300.0	955000.0	77.70000	SRRG-18
640700.0	961600.0	79.65000	SRRG-21
651500.0	955800.0	81.50000	SRRG-24
653200.0	966400.0	87.05000	SRRG-28
657800.0	967800.0	83.25000	SRRG-3
662200.0	967700.0	89.40000	SRRG-4
632600.0	959000.0	75.00000	SRRG-40
662400.0	967000.0	85.00000	SRRG-5
665000.0	958000.0	83.31000	SRRG-7

669000.0	959200.0	84.35000	SRRG-8
661100.0	966800.0	89.15000	SRRG-9

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## **PUMPING TEST DATA FILE - RECOVERY**

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The first line must  
contain 0 for the time,  
0 for the drawdown,  
and the pumping rate.

The second line must  
contain the total  
pumping phase time,  
the total drawdown at  
the moment when the  
pump was shut off,  
and 0 for the pumping  
rate. Zeros for the  
pumping rate need not  
be typed after the  
second line.

<b>Time (min)</b>	<b>Residual Drawdown (m)</b>	<b>Pumping Rate (m3/day)</b>
0.00	0.0000	2500.0000
240.00	1.0000	0.0000
241.00	0.8900	0.0000
242.00	0.8100	0.0000
243.00	0.7600	0.0000
245.00	0.6800	0.0000
247.00	0.6400	0.0000
250.00	0.5600	0.0000
255.00	0.4900	0.0000
260.00	0.4500	0.0000
270.00	0.3800	0.0000
280.00	0.3400	0.0000
300.00	0.2800	0.0000
320.00	0.2400	0.0000
340.00	0.2100	0.0000
380.00	0.1700	0.0000
420.00	0.1400	0.0000