Appendix E. Simulated vs. Observed Hydrographs

Regional Groundwater Flow Model of the Tucson AMA
Appendix E. Simulated vs. Observed Hydrographs

Hydrograph AV-1
Well D-10-09 12CBC
Well Use: Irrigation
Well Depth: 442 Feet

Hydrograph AV-2
Well D-10-09 14CAA
Well Use: Irrigation
Well Depth: 402 Feet
Appendix E. Simulated vs. Observed Hydrographs

Hydrograph AV-3
Well D-10-09 24DDD1&3

Well Use: Irrigation
Well Depth: Variable

Hydrograph AV-4
Well D-10-10 05DAD

Well Use: Irrigation
Well Depth: 580 Feet

Regional Groundwater Flow Model of the Tucson AMA
Appendix E. Simulated vs. Observed Hydrographs

Hydrograph AV-5
Well D-10-10 20DCC

Well Use: Stock
Well Depth: 290 Feet

Hydrograph AV-6
Well D-11-10 08DDD

Well Use: Irrigation
Well Depth: 443 Feet

Regional Groundwater Flow Model of the Tucson AMA
Appendix E. Simulated vs. Observed Hydrographs

Hydrograph CMID-1
Well D-11-10 15AAD

Hydrograph CMID-2
Well D-11-10 24AAA
Appendix E. Simulated vs. Observed Hydrographs

Hydrograph CMID-3
Well D-11-11 16CDD1&2

Well Use: Irrigation
Well Depth: Variable

Hydrograph CMID-4
Well D-11-11 26BDC

Well Use: Unused
Well Depth: 542 Feet

Regional Groundwater Flow Model of the Tucson AMA
Appendix E. Simulated vs. Observed Hydrographs

Hydrograph CMID-5
Well D-11-11 34ADD1&2

Hydrograph AV-7
Well D-11-10 22ADD1

Regional Groundwater Flow Model of the Tucson AMA
Appendix E. Simulated vs. Observed Hydrographs

Hydrograph AV-8
Well D-11-10 25DDA2

Hydrograph AV-9
Well D-12-10 09DDD

Regional Groundwater Flow Model of the Tucson AMA
Appendix E. Simulated vs. Observed Hydrographs

Hydrograph AV-10
Well D-12-10 12CCD2&3

Hydrograph AV-11
Well D-12-11 20AAA

Regional Groundwater Flow Model of the Tucson AMA
Appendix E. Simulated vs. Observed Hydrographs

Hydrograph AV-12
Well D-12-11 12BDC

Hydrograph AV-13
Well D-13-10 04CDD

Regional Groundwater Flow Model of the Tucson AMA
Appendix E. Simulated vs. Observed Hydrographs

Hydrograph AV-14
Well D-13-10 23CDD

Hydrograph AV-15
Well D-13-11 31CC1

Regional Groundwater Flow Model of the Tucson AMA
Appendix E. Simulated vs. Observed Hydrographs

Hydrograph AV-18
Well D-15-11 11ADD

Hydrograph AV-19
Well D-15-11 05CCD

Regional Groundwater Flow Model of the Tucson AMA
Appendix E. Simulated vs. Observed Hydrographs

Hydrograph AV-20
Well D-15-10 35AAA

Hydrograph AV-21
Well D-16-09 24DAC

Regional Groundwater Flow Model of the Tucson AMA
Appendix E. Simulated vs. Observed Hydrographs

Hydrograph AV-22
Well D-16-11 08CCC

Well Use: Unused
Well Depth: 754 Feet

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Appendix E. Simulated vs. Observed Hydrographs

Regional Groundwater Flow Model of the Tucson AMA
Appendix E. Simulated vs. Observed Hydrographs

Hydrograph CDO-3
Well D-12-14 05CCD

Hydrograph CDO-4
Well D-12-13 22BBB

Regional Groundwater Flow Model of the Tucson AMA
Appendix E. Simulated vs. Observed Hydrographs

Hydrograph CMID-6
Well D-12-12 16BAD

Well Use: Unused
Well Depth: 300 Feet

Year

Water Level Elevation (Feet)


1,900 1,950 2,000 2,050 2,100 2,150 2,200

Observed Water Levels
Layer 2 Simulated Water Level

Hydrograph CMID-7
Well D-12-12 22ADC

Well Use: Unused
Well Depth: 315 Feet

Year

Water Level Elevation (Feet)


1,900 1,950 2,000 2,050 2,100 2,150 2,200

Observed Water Levels
Layer 2 Simulated Water Level

Regional Groundwater Flow Model of the Tucson AMA
Appendix E. Simulated vs.Observed Hydrographs

Hydrograph CMID-8
Well D-12-12 33AAA
Well Use: Unused
Well Depth: 180 Feet

Hydrograph CMID-9
Well D-12-13 30DAC
Well Use: Public Supply
Well Depth: 317 Feet

Regional Groundwater Flow Model of the Tucson AMA
Appendix E. Simulated vs. Observed Hydrographs

Hydrograph CMID-10
Well D-13-13 06AAA2

Hydrograph CMID-11
Well D-13-13 06DDD
Appendix E. Simulated vs. Observed Hydrographs

Hydrograph CMID-12
Well D-13-13 08BAA

Hydrograph USC-1
Well D-13-13 13BBA
Appendix E. Simulated vs. Observed Hydrographs

Hydrograph USC-2
Well D-13-13 17DAD

Well Use: Irrigation
Well Depth: 240 Feet

Hydrograph USC-3
Well D-13-13 21BAA

Well Use: Public Supply
Well Depth: 303 Feet

Regional Groundwater Flow Model of the Tucson AMA
Appendix E. Simulated vs. Observed Hydrographs

Hydrograph USC-4
Well D-13-13 28ADD

- Observed Water Level
- Layer 2 Simulated Water Level

Hydrograph USC-5
Well D-13-13 33DAC

- Observed Water Level
- Layer 2 Simulated Water Level

Regional Groundwater Flow Model of the Tucson AMA
Appendix E. Simulated vs. Observed Hydrographs

Hydrograph USC-6
Well D-14-13 03CAC

Well Use: Public Supply
Well Depth: 570 Feet

Hydrograph USC-7
Well D-13-13 36DDC

Well Use: Public Supply
Well Depth: 375 Feet
Appendix E. Simulated vs. Observed Hydrographs

Hydrograph USC-8
Well D-13-14 19BBB1

Hydrograph USC-9
Well D-13-14 26BBB

Regional Groundwater Flow Model of the Tucson AMA
Appendix E. Simulated vs. Observed Hydrographs

Hydrograph USC-10
Well D-13-14 27CDC1&2

Hydrograph USC-11
Well D-13-14 34AAD

Regional Groundwater Flow Model of the Tucson AMA
Appendix E. Simulated vs. Observed Hydrographs

Hydrograph USC-12
Well D-13-14 36CCD

Well Use: Unused
Well Depth: 302 Feet

Hydrograph USC-13
Well D-13-15 27DCC

Well Use: Unused
Well Depth: 174 Feet

Regional Groundwater Flow Model of the Tucson AMA
Appendix E. Simulated vs. Observed Hydrographs

Hydrograph USC-14
Well D-14-15 02DDA1&2

Well Use: Unused
Well Depth: 490 Feet

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Appendix E. Simulated vs. Observed Hydrographs

Hydrograph USC-15
Well D-14-14 08BAB

Well Use: Unused
Well Depth: 510 Feet

Hydrograph USC-16
Well D-14-14 16CBB1, 2 & 3

Well Use: Public Supply
Well Depth: Variable

Regional Groundwater Flow Model of the Tucson AMA
Appendix E. Simulated vs. Observed Hydrographs

Regional Groundwater Flow Model of the Tucson AMA
Appendix E. Simulated vs. Observed Hydrographs

Hydrograph USC-18
Well D-14-14 10ACC1

Hydrograph USC-19
Well D-14-14 14CAC

Regional Groundwater Flow Model of the Tucson AMA
Appendix E. Simulated vs. Observed Hydrographs

Hydrograph USC-20
Well D-14-14 20CBB

Well Use: Unused
Well Depth: 300 Feet

Hydrograph USC-22
Well D-14-15 18AAC

Well Use: Public Supply
Well Depth: 500 Feet
Appendix E. Simulated vs. Observed Hydrographs

Hydrograph USC-21
Well D-14-14 35AAA & 35ADA

Hydrograph USC-23
Well D-14-15 32BBB

E-34

Regional Groundwater Flow Model of the Tucson AMA
Appendix E. Simulated vs. Observed Hydrographs

**Hydrograph USC-24**

Well D-15-15 06BBB

Well Use: Public Supply
Well Depth: 492 Feet

**Hydrograph USC-25**

Well D-15-14 03DAD

Well Use: Power Cooling
Well Depth: 2,505 Feet

Regional Groundwater Flow Model of the Tucson AMA
Appendix E. Simulated vs. Observed Hydrographs

Hydrograph USC-26
Well D-14-13 26DBB

Well Use: Public Supply
Well Depth: 282 Feet

Year

Water Level Elevation (Feet)


- Observed Water Level
- Layer 2 Simulated Water Level

Hydrograph USC-27
Well D-14-13 34ADC

Well Use: Public Supply
Well Depth: 204 Feet

Year

Water Level Elevation (Feet)


- Observed Water Level
- Layer 2 Simulated Water Level
Appendix E. Simulated vs. Observed Hydrographs

Hydrograph USC-28
Well D-14-13 35CAB

Well Use: Unused
Well Depth: 207 Feet

Hydrograph USC-29
Well D-15-13 02ACA1

Well Use: Public Supply
Well Depth: 302 Feet

Regional Groundwater Flow Model of the Tucson AMA
Appendix E. Simulated vs. Observed Hydrographs

Hydrograph USC-30
Well D-15-13 11CBA

Well Use: Unused
Well Depth: 281 Feet

Hydrograph USC-32
Well D-15-13 27ABB1

Well Use: Unused
Well Depth: 265 Feet
Appendix E. Simulated vs. Observed Hydrographs

Hydrograph USC-35
Well D-16-13 S02BBA2

Hydrograph USC-31
Well D-15-14 07CBC

Regional Groundwater Flow Model of the Tucson AMA
Appendix E. Simulated vs. Observed Hydrographs

Hydrograph USC-38
Well D-16-14 07CCD

Hydrograph USC-39
Well D-16-14 20ADA

Regional Groundwater Flow Model of the Tucson AMA
Appendix E. Simulated vs. Observed Hydrographs

Hydrograph USC-40
Well D-16-14 19CCD
Pima Mine Rd OV-8

Well Use: Unused
Well Depth: 260

Hydrograph USC-41
Well D-16-13 34AAB2

Well Use: Industrial
Well Depth: 935 Feet

Regional Groundwater Flow Model of the Tucson AMA
Appendix E. Simulated vs. Observed Hydrographs

Hydrograph USC-36
Well D-15-15 16CBB PZ1-3

Well Use: Observation
Well Depth: Variable

Hydrograph USC-37
Well D-15-15 25BDC1&2

Well Use: Domestic
Well Depth: 883 Feet
Appendix E. Simulated vs. Observed Hydrographs

Hydrograph USC-43
Well D-16-15 05CBC PZ1-3

Well Use: Observation
Well Depth: Variable

Piezometer is Dry

Year
Water Level Elevation (Feet)
2,400 2,450 2,500 2,550 2,600 2,650 2,700

PZ1 - 327 Feet  PZ2 - 556 Feet  PZ3 - 990 Feet  Layer 2 Simulated Water Level  Layer 3 Simulated Water Level

Hydrograph USC-44
Well D-16-15 18ABD

Well Use: Unused
Well Depth: 311 Feet

Well Reported Dry

Year
Water Level Elevation (Feet)
2,400 2,450 2,500 2,550 2,600 2,650 2,700

Observed Water Level  Layer 2 Simulated Water Level

Regional Groundwater Flow Model of the Tucson AMA
Appendix E. Simulated vs. Observed Hydrographs
Appendix E. Simulated vs. Observed Hydrographs

Hydrograph USC-42
Well D-16-14 32BDD2
Well Use: Irrigation
Well Depth: 230 Feet

Hydrograph USC-47
Well D-17-13 01CAB
Well Use: Unused
Well Depth: 306 Feet

Regional Groundwater Flow Model of the Tucson AMA
Appendix E. Simulated vs. Observed Hydrographs

Hydrograph USC-48
Well D-17-14 17DCC

Hydrograph USC-49
Well D-17-14 30BBB

Regional Groundwater Flow Model of the Tucson AMA
Appendix E. Simulated vs. Observed Hydrographs

Hydrograph USC-50
Well D-17-13 36CBC2
Well Use: Stock
Well Depth: 254 Feet

Hydrograph USC-51
Well D-18-13 01CDA
Well Use: Unused
Well Depth: 253 Feet

Regional Groundwater Flow Model of the Tucson AMA
Appendix E. Simulated vs. Observed Hydrographs

Hydrograph USC-52
Well D-18-13 13CBA

Hydrograph USC-53
Well D-18-13 26AAD

Regional Groundwater Flow Model of the Tucson AMA
Appendix E. Simulated vs. Observed Hydrographs

Hydrograph USC-54
Well D-18-13 26CCD

Hydrograph USC-55
Well D-18-13 36BCC

Regional Groundwater Flow Model of the Tucson AMA
Appendix E. Simulated vs. Observed Hydrographs

Hydrograph USC-56
Well D-19-13 09CAA

Well Use: Irrigation
Well Depth: Unknown

Year

Hydrograph USC-57
Well D-19-13 29BCC

Well Use: Unused
Well Depth: 500 Feet

Year
Appendix E. Simulated vs. Observed Hydrographs