Corrections as of 4/29/03

If you find additional corrections please email me at mays@asu.edu

Preface

Page vi Last sentence in the web address, “publiz” should be “public”

Chapter 4

Page 74 Figure 4.5.2, “z₁ – z₂ = 15” should be “z₁ – z₂ = h₁f”
Page 79 Equation 4.5.8, “V²AB” should be “V²AD”

Chapter 5

Page 93 Table 5.1.2, under column for Trapezoid the “Bw” should be “Bw” in the expressions for wetted perimeter and hydraulic radius
Page 117 Table 5.4.1 footnote “***hₒ = Cₑ” should be “***hₒ = Cₑ”
Page 119 Add the following sentence to the problem description, “Distance between cross-sections 1 and 2 is 500ft, between cross-sections 2 and 3 is 400 ft, and between cross-sections 3 and 4 is 400 ft.”
Page 123 Table 5.4.2, first line of second footnote “***…., hₒ = Cₑ| = “ should be “***…., hₒ = Cₑ|”

Table 5.4.2, second line of the second footnote “hₒ = Cₑ” should be “hₒ = Cₑ”

Page 124 Line above equation (5.5.5), “Alternatively, Q = B²yₑ²Vₑ²” should be “Alternatively, Q = ByₑVₑ”

Page 125 Example 5.5.3, third line above equation at bottom of page, “Because yₑ < yₑ < 8 ft, a supercritical flow ….“ should read “Because yₑ < yₑ < 8 ft, a subcritical flow …”

Chapter 6

Page 141 Section 6.1, sixth line, “slit” should be “silt”
Page 148
Fourth line from bottom of page, “diameter,” should be “diameter),”

Page 152
Equation 6.2.14, in denominator “z” should be “x”

Page 163
Line above equation 6.5.2 should read “solve for the drawdown s given as”

Page 164
Add the following after equation 6.5.5, “where Q is m³/day and T is m²/day for s in m; or Q is gal/day and T is gpd/ft for s in ft; or Q is ft³/day and T is ft²/day for s in ft.”

Page 165
Sentence above equation 6.5.9, after S add “using time-drawdown data,”

Figure 6.5.2 curves in this figure should be changed to reflect log 1/u on the x-axis so that all curves increase from left to right instead of decrease.

Page 169
Last line → 366.700 should be 366,700

Page 170
Step 7, “366.700” should be “366,700” and “t ≥ 12.6 min” should be “t ≥ 25.3 min”.

Page 173
Line after equation (6.6.3), “? = r²kₜ/b²kₜ” should be “? = r²Kₜ/b²Kₜ”

Page 174
Equation (6.7.3) denominator in radical “Kb’ ” should be “Kbb’ ”

Page 176
In Figure 6.8.2, the arrow for the recharge well should be point downward.

Page 189
Second line of Problem 6.8.5 statement “…two barrier boundaries was …” should read “… two barrier boundaries perpendicular to each other was …”

Chapter 7

Page 222
In Table 7.2.2, “Pₜ/P₂₄” should be “Pₜ/P₂₄”

Page 230
Line above equation (7.3.7), “(dz/dt (0)” should be “(dz/dt = 0)”

Page 236
Equation 7.4.14 should have minus sign after the first equal sign
Second line of solution “? = [-65+(-60)]/2” should be “? = [-65+(-60)]/2”

Page 244
Figure 7.4.9, in figure for the F – index delete the fₒ and fₛ

Chapter 8
Page 256  Column (2) under Unit Hydrograph, “(cfs/m)” should be “(cfs/in)”

Page 282  Problem 8.7.2, “soil groups of B, C, and D.” should read “soils groups of B, C, D, and B.”

Problem 8.7.5, add the following “The rainfall pattern is 1.5 in during the first hour, 2.5 in during the second hour, and 1.0 in during the third hour.”

Problem 8.7.6, add the following “The rainfall pattern is 2.0 in during the first hour, 3.0 in during the second hour, and 2.0 in during the third hour.”

Problem 8.8.2, “controlled” should be “contoured”

Page 299  Equation (9.5.12), the first = should be +

Chapter 9

Page 307  Problem 9.1.1, “Storage (106 m^3)” should be “Storage (10^6 m^3)” and “Outflow (m^3)” should read “Outflow (m^3/s)”

Problem 9.2.1, “characteristics given in problem 3.6.1” should be “characteristics given in problem 9.1.1”

Problem 9.2.1, “106 m^3” should be “10^6 m^3”

Problem 9.2.4, “example 9.1.1” should be “example 9.2.1”

Problem 9.2.5, “example 9.1.1” should be “example 9.2.1”

Problem 9.2.6, “example 9.2.2” should be “example 9.3.2”

Problem 9.2.7, “example 9.2.2 assuming X = 0.3 hrs” should be “example 9.3.2 assuming X = 0.3”

Problem 9.3.1, “example 9.2.2” should be “example 9.3.2”

Page 328  Equation (10.5.8), delete the overbar on y_H and place an overbar on y

Equation (10.5.9), delete the overbar on y_L and place an overbar on y

Chapter 12

Page 419  Equation 12.1.5, “f” should be same as the Greek symbol in the next line of text.

Page 428  Third line below equation (2.2.8), “h_{Lp}” should be “h_{Lr}”
Page 443  Figure 12.4.3, $h$ extends up to the HGL
Page 446  Figure 12.5.3, the combined system curve needs to be shown.
Page 451  Second line of Example 12.5.1, “Figure 12.5.16” should read “Figure 12.5.13 (a)”
       Sixth line of Example 12.5.1, “Figure 12.5.13” should read “Figure 12.5.13 (b)”
       “Figure 12.5.16” at bottom of page should read “Figure 12.5.13 (a)”
Page 452  First line of Example 12.5.2, “Figure 12.5.13” should read Figure 12.5.13 (b)”
Page 453  “Figure 12.5.13” should be “Figure 12.5.13 (b)”

Chapter 12
Page 468  Example 12.6.3, first line after the conservation equations, “All 12 of the conservation” should be “Only 11 of the 12 conservation”
Page 478  Part a of solution for Example 12.8.1, $v_c = ... = 1473 \text{ m/s}$
Page 478  Part a of solution for Example 12.8.1, $V = Q/A = (400 \times 10^{-3})/...$

Chapter 13
Page 522  First line of Problem 13.1.1, “ Figure 13.1.3a ‘ should be “ Figure 13.1.17a”
       First line of Problem 13.1.2, “ Figure 13.1.3b ’ should be “ Figure 13.1.17b”

Chapter 14
Page 545  Line above equation 14.4.2, “Figure 14.4.1” should be “Figure 14.4.2e”
Page 558  Figure 14.6.4, “(annual = 22°)” should be “(annual = 22 inches)” and “(annual = 51°)” should be “(annual = 51 inches)”

Chapter 15
Page 565  Table 15.2.3, The C factor for a 10-yr return period Forest/Woodlands should be “0.36” instead of “0.26”
Page 596  First line of subsection 15.3.2, “vegetable linings” should be “vegetative linings”
Equation 15.4.12, “(t_D + t_c)” should be “(t_D + t_c)”

Chapter 16

Table 16.2.1, Heading in the Table “Monograph Scale” should read “Nomograph Scale”

Figure 16.2.6, at section 2 the top “H_o” should be “H_c”

Third line from the bottom of the page (line with starting with Step 8) delete, “where”

First line, “4.69” should be “4.64”

Page 664 3rd line → Need new paragraph after “…above equation for EL_ho-”

The new paragraph starts with “Now consider inlet control and …”

Also, after the line “To check,”

\[
\frac{Q^2}{AD^{0.5}}
\]

should be

\[
\frac{Q}{AD^{0.5}}
\]

Figure 17.2.20 title should be “Culvert spillway for Dulce Reservoir dam under construction in northern New Mexico (Photograph by L. W. Mays)”

Chapter 17

Figure 17.3.2, 0+00 is located at the upstream side of the channel trough

Figure 17.3.14, “Hydraulic gradient” should be “Hydraulic gradient”

Equation for ? x =, six lines above Example 17.4.2, there appears 29 twice which in both cases should be 2g

Example 17.4.3, energy equation which is fifth line in the solution, the “19.3” should be “4.15”

Problem 17.4.4, “Example 17.4.1” should be “Example 17.4.2”

Problem 17.4.5, “Example 17.4.1” should be “Example 17.4.3”

Problem 17.4.6, “Example 17.4.1” should be “Example 17.4.4”

Problem 17.4.4, “Example 17.4.1” should be “Example 17.4.5”
Appendix A

Page 751  First sentence on page, “Table 5.2.1”, should be “Table 5.1.2”