

Version 2 April 2007

A second online version of Scientific Investigations Report 2005-5198 Hydrogeology of the upper and middle Verde River watersheds, Central Arizona, was released to correct minor editorial and graphical errors within the report. The editorial changes were related to misprinted text, misprinted reported values, and to the rounding of values that could lead to misinterpretation. The changes to the graphics were made to correct minor errors or to clarify existing figures. None of the changes made altered the interpretations presented in the report. Below is a list of the important changes made within the report.

1. Figure 2 – Fault trace F—F' was lengthened to the northeast to be consistent with the section in Figure 20. Sheepshead and Page Springs fault traces were made bold to improve visibility.
2. Page 9 – Water use – Paragraph was modified to improve clarity.
3. Figure 5 – Aridity figure explanation was modified to note aridity categories.
4. Table 5 – Average annual streamflow units were changed from “acre-ft” to “acre-ft per year” to improve clarity. Values for Oak Creek near Sedona and Wet Beaver Creek were changed.
5. Table 6 and Table 7 – Average annual streamflow and annual streamflow units were changed from “acre-ft” to “acre-ft per year”.
6. Figure 13, Figure 29, and Figure 33 – The base-flow contribution curves were dashed where there was greater than 6 miles between data points to indicate the increased uncertainty.
7. Figure 14 A – Origin of streamflow axis (ordinate) adjusted from 0 to 23.
8. Figure 15 C – Date axis (abscissa) adjusted to correct orientation.
9. Table 8 – Contributing area values were removed, and total drainage area values were maintained.
10. Page 36 – In the first full paragraph of the first column the value “73 acre-ft/mi” was changed to “73 [(acre-ft/mi)/yr]”.
11. Table 11 – The total open-water evaporation in acre-feet per year was changed from “38,000” to “30,800”. The same change was made in the last sentence of the Open Water section on page 36.
12. Table 12 – The table was modified for clarity. The annual actual evapotranspiration value in the 3rd row and 14th column was changed from “44” inches to “48” inches.
13. Page 40 – The word, “screened”, in last sentence of the 2nd paragraph, was changed to “completed”.
14. Figure 19 A – The extent of the undifferentiated Quaternary and Tertiary sediments was corrected.
15. Figure 20 A – The direction of the bend in the Railroad fault was corrected.
16. Page 48 – Transmissivity units were changed from “(gal/d)/ft” to “ft²/d” to be more consistent with other units used in the report.
17. Table 14 – Transmissivity units and values in the table were changed from “(gal/d)/ft” to “ft²/d” to be more consistent with other units used in the report.

18. Table 14 – “Screened interval” was changed to “Open or Screened interval”.
19. Table 15 – Transmissivity units and values in the table were changed from “(gal/d)/ft” to “ft²/d” to be more consistent with other units used in the report.
20. Table 15 – Specific capacity values were changed from “17,6000, 21,3000, and 12,7000” to “176,000, 213,000, and 127,000”, respectively.
21. Table 15 – Drawdown values were added to the table.
22. Figure 22 – Labels for Big Black Mesa and Big Chino Fault were added. The Big Chino fault trace was also added.
23. Figure 23 – The fault below the Colorado River was modified, and the Verde sediment depth was enlarged.
24. Table 16 – The ground-water outflow value for the Little Chino subbasin leaving the northern boundary was changed from “-3,100” to “-3,000” acre-feet per year.
25. Page 62 – +14 per mil in equation 14 was changed to -14 per mil.
26. Page 62 – $\delta^2\text{H}$ in equation 16 was replaced with $\delta^{18}\text{O}$.
27. Figure 25 – The label for the blue crosses was changed from “Winter 2005” to “Winter 2004”.
28. Table 21 – The calculated error for “base flow out” was removed.
29. Table 21 – The “NC” acronym was spelled out as “Not Calculated”.
30. Table 21 – Footnote “13b” in Verde Valley subbasin was changed to “13c”.
31. Table 21 – Footnote “15a” was added, noting that “storage changes are occurring”.
32. Table 22 – The calculated error for “base flow out” was removed.
33. Table 22 – The “NC” acronym was spelled out as “Not Calculated”.
34. Table 22 – Footnote 11a was added, noting that “storage changes are occurring”.
35. Page 99 – Terms were added to the glossary including albedo, consumptive use, global meteoric water line, local meteoric water line, meteoric water line, radiation, standard mean ocean water, and Vienna standard mean ocean water.
36. Plate 2 – Units were changed from “(gal/min)/ft” to “(gal/day)/ft”.