



Technical Memorandum

To **Mr. Jim Barrett, PE, Coachella Valley Water District**
Mr. Mark Krause, PE, Desert Water Agency
Mr. Arden Wallum, PE, Mission Springs Water District Project No. **CM19167351**

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Date **March 23, 2022**

Subject 2022 Mission Creek Subbasin Alternative Plan Update Errata

Wood Environment & Infrastructure Solutions, Inc. (Wood) has prepared this technical memorandum as a follow-up to the 2022 Mission Creek Subbasin Alternative Plan Update, dated November 23, 2021 (Alternative Plan Update). The Alternative Plan Update was submitted to the California Department of Water Resources (DWR) in compliance with the Sustainable Groundwater Management Act (SGMA) on December 30, 2021. Subsequently, certain aspects of the Alternative Plan Update were found to require revision, as summarized herein. On March 23, 2022, the Mission Creek Subbasin stakeholders were notified via email that: the Alternative Plan Update had been revised, revisions to the Alternative Plan Update are available on the website (MissionCreekSubbasinSGMA.org) and that the revised document would also be uploaded to DWR's SGMA website.

The Alternative Plan Update described a groundwater model that was used to simulate groundwater conditions in the Mission Creek Subbasin under future management and climate scenarios (the forecast model). It was determined that the forecast model simulated less pumping than was projected to occur for the period 2020 through 2069. This resulted in up to approximately 1,000 acre-feet per year of underproduction in the forecast model scenarios. The forecast model has been corrected to match the pumping projections and the Alternative Plan Update has been revised and resubmitted to DWR. The revisions did not result in predicted water levels or storage differences that materially altered the conclusions of the Alternative Plan Update. The Mission Creek Subbasin is expected to meet its sustainability goal through the planning horizon of 2045.

Specific revisions made to the Alternative Plan Update are noted below. The PDF pages referenced correspond to page numbers in the PDF file for the combined Volumes I and II.

Volume I

- Text describing the model forecast results was revised in the Executive Summary under Water Management Forecasting on pages ES-18 and ES-21 (PDF pages 35 and 38).

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- Figure ES-7 showing hydrographs of the forecast simulation results for the nine Key Wells (PDF page 36), and Figure ES-8 showing results of cumulative change in storage for selected scenarios (PDF page 37) were revised.
- Text describing the forecast scenario simulation results was revised in Section 7.5 of the Alternative Plan Update on pages 7-17, 7-18, and 7-20 through 7-22 (PDF pages 222, 223, and 225 through 227).
- Figure 7-6 showing hydrographs of the forecast simulation results for the nine Key Wells (same figure as ES-7) was revised (PDF page 224).
- Figures 7-7 through 7-10 showing the simulated water balance for selected forecast scenarios were revised (PDF pages 228 through 231).
- Figure 7-11 showing results of cumulative change in storage for selected scenarios (same figure as ES-8) was revised (PDF page 232).
- Text describing the Plan Evaluation was revised on page 8-19 (PDF page 251).

Volume II

- Table A1 in Appendix A was missing in the previous version of the Alternative Plan Update. It is now included (PDF pages 321 and 322).
- Table A2 page 1 of 2 was missing in the previous version of the Alternative Plan Update. The table is now complete (PDF page 323).
- Text describing the scenario simulation results and conclusions was revised in Appendix B on pages B-14 through B-19 (PDF pages 469 through 474).
- Table B-7 showing forecasted return flows was revised (PDF pages 504 through 506).
- Tables B9 through B26 showing water balances for the forecast scenarios were revised (PDF pages 509 through 574).
- Figures B13 through B32 showing hydrographs, water balances, and changes in storage for the forecast scenarios were revised (PDF pages 589 through 608).
- Attachment B1 forecast hydrographs of the Key Wells was revised (PDF pages 610 through 618).