

## Section 1 – Introduction

In September 2000, the Superior Court of the State of California approved the Peace Agreement and authorized the implementation of the Chino Basin Optimum Basin Management Program. The Peace Agreement required the preparation of a recharge master plan update every five years starting in 2000. The Parties to the Peace Agreement started a process in 2005 to revise the Peace Agreement and the Judgment. This revision process was completed in late 2007 (hereafter the Peace II Agreement) and was approved by the Superior Court on December 21, 2007. The Court’s approval contained nine conditions subsequent that must be satisfied time certain for the revisions to be effective. Condition Subsequent 8 requires that a recharge master plan update be completed and submitted to the Court by July 1, 2010. This report documents the Chino Basin Watermaster’s 2010 Recharge Master Plan Update and fulfills Watermaster’s obligation to the Court when filed prior to July 1, 2010.

The scope of work and contents of the 2010 Recharge Master Plan Update (RMPU) are, in part, based on the December 21, 2007 Court Order and the requirements of the Watermaster. Pursuant to Condition Subsequent 5—which reads, “By July 1, 2008 Watermaster shall prepare and submit to the Court a detailed outline and scope and content of its first Recharge master Plan Update, [...]”—Watermaster, working with the Chino Basin Water Conservation District, the Inland Empire Utilities Agency and the Judgment parties, developed a detailed report outline for the 2010 RMPU. The Court subsequently approved this outline and Watermaster started developing the RMPU. The outline of the RMPU, as described herein, was changed slightly to reflect how the investigation actually proceeded, but the content has remained faithful to the outline that was submitted to Court. This report includes the following sections:

Section	Title	Description
1	Introduction	
2	Planning Criteria	Describes the investigation requirements and planning assumptions used in the 2010 Chino Basin Recharge Master Plan Update
3	Safe Yield	Describes how safe yield was historically estimated, why it is projected to decline, and what actions can be taken to mitigate the loss of safe yield
4	Integrated Review of Water Supply Plans – Part 1	Describes the global water supply for water agencies that use the Chino Basin and projected groundwater production in the Chino Basin through 2030
5	Stormwater Recharge Enhancement Opportunities	Describes the existing stormwater recharge capacity and structural opportunities to increase stormwater recharge



Section	Title	Description
6	Supplemental Water Recharge Enhancement Opportunities	Describes the existing supplemental water recharge capacity, sources of supplemental water, the need for additional supplemental water recharge, and recharge capacities
7	Integrated Stormwater Recharge and Supplemental Water Facilities	Describes recharge project alternatives and their costs
8	Integrated Review of Water Supply Plans – Part 2	Describes changes in projected groundwater production based on replenishment costs
9	Storm and Supplemental Water Recharge Projects to Meet Future Water Supply Plans	Describes the recommended future recharge plan for Watermaster
10	References	

Watermaster convened several workshops over the course of developing the RMPU. At these workshops, the important assumptions and interim work products of the RMPU were presented. Appendix A lists these workshops and their content.

This report was written for managers and decisions makers. The science and engineering support for the RMPU has been provided in recent past reports and reports that were commissioned specifically for the RMPU—the latter have been included as appendices to this report. The final section of this report (Section 10 – References) cites THE investigations that were used in preparing the RMPU. Some of the more important prior investigations have been posted on the RMPU website (<http://rmp.wildermuthenvironmental.com>).

This report was prepared by Wildermuth Environmental, Inc. and is based on their work and the work of other consultants, including the Black & Veatch Corporation (supplemental water recharge projects), the Sierra Water Group (supplemental water supplies), and Wagner and Bonsignore (stormwater recharge). The consultant team was supported by staff from the Chino Basin Watermaster (Watermaster), the Chino Basin Water Conservation District (CBWCD), and the Inland empire Utilities Agency (IEUA), and specifically:

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