Recharge Master Plan: A Vehicle for Collaboration and Watershed Resiliency

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Presenter Information

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- Project Manager for Chino Basin Watermaster's Comprehensive Recharge Program

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CHINO BASIN WATERMASTER

- Water Resources Management and Planning Director
- Optimum Basin Management Program Manager

Presentation Overview

- What is a Recharge Master Plan (RMP)?
- Where is the Chino Basin?
- Why & how was a RMP developed in the Chino Basin?
- How does the RMP enable One Water planning in the Chino Basin?

What is a RMP?

Identifies the universe of storm, recycled and imported water recharge projects

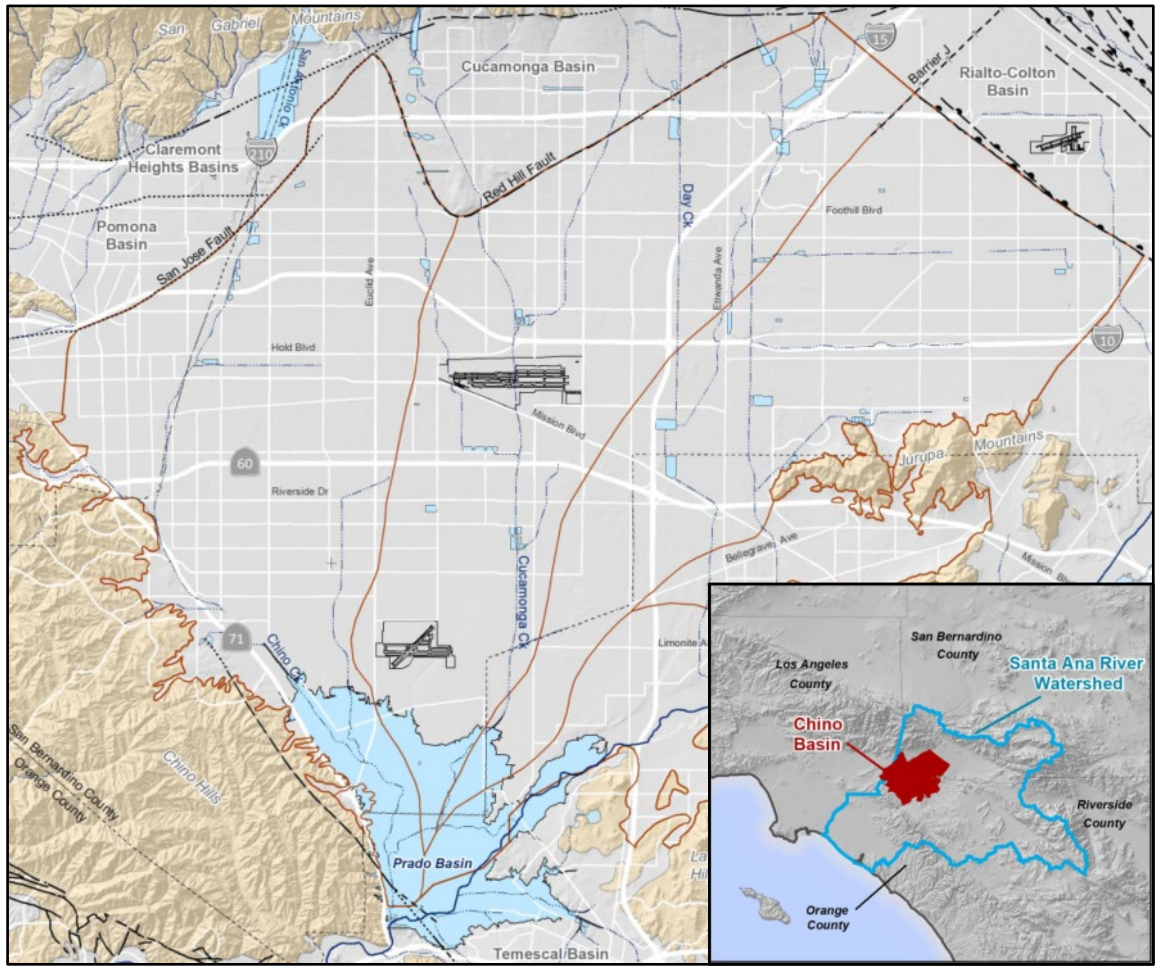
Evaluates them based on stakeholder criteria

Recommends projects for implementation

Includes an implementation plan to refine, design, permit, finance and construct projects

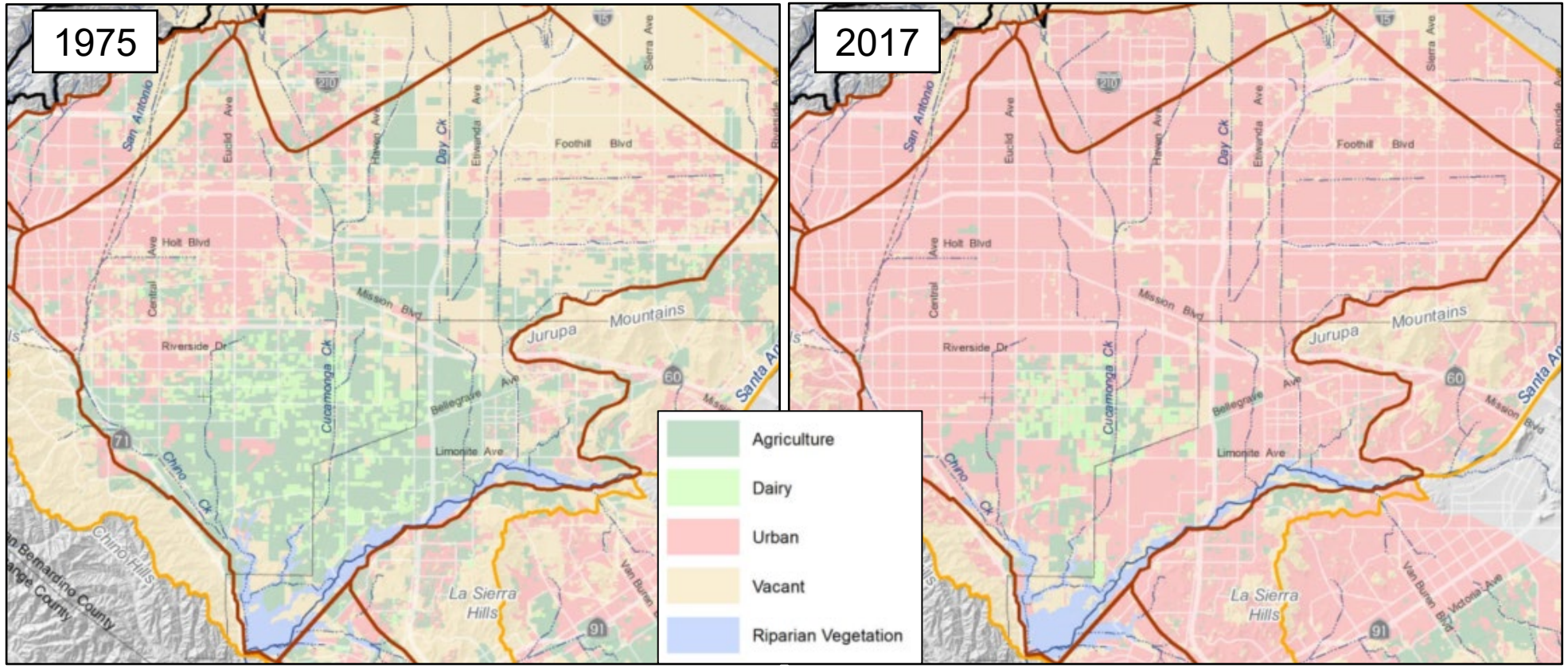
RMP IS A FACILITIES DOCUMENT THAT…

Chino Basin

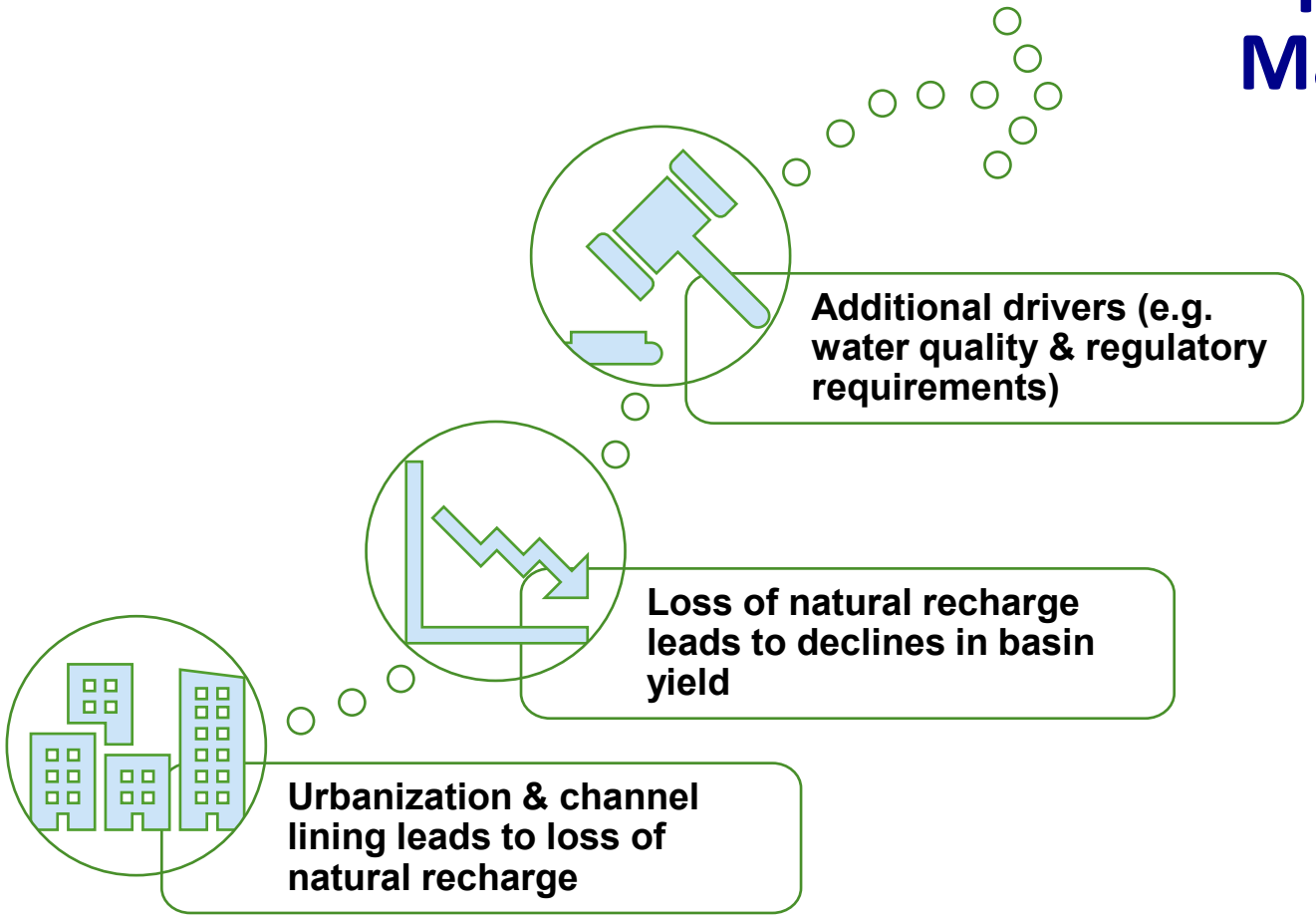


- Covers about 220 square miles
- Safe Yield is about 131,000 acre-feet per year (afy)
- 24 cities and retail water agencies serving 2.6M people

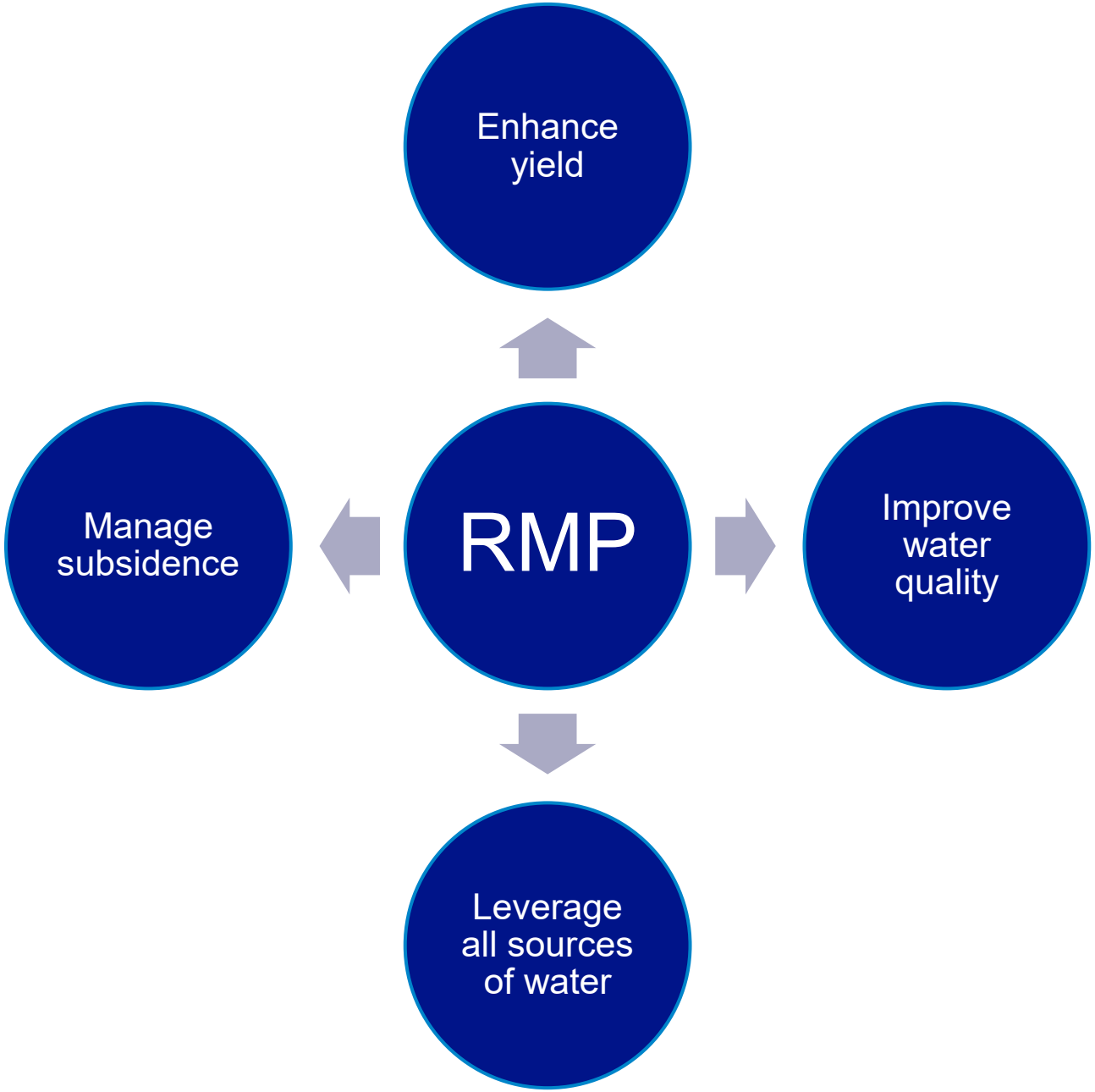
Why was a RMP developed in the Chino Basin?



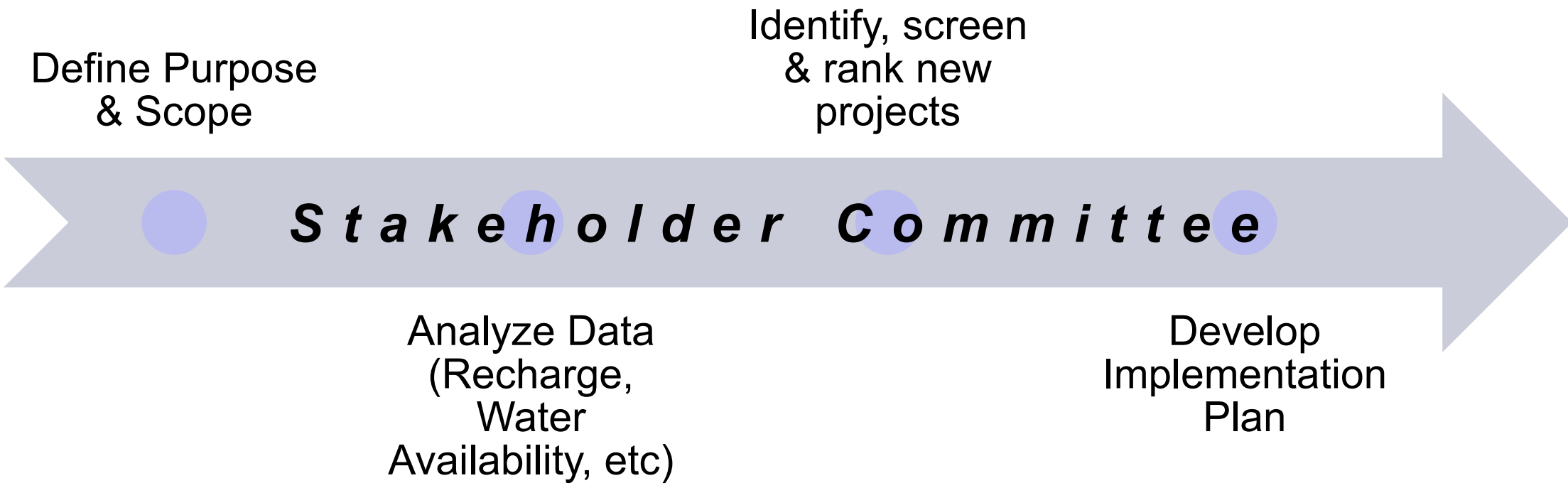
Development of the Optimum Basin Management Plan



Chino Basin Optimum Basin Management Plan Goals → Development of RMP



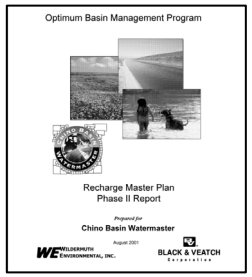
RMP Process


Define Purpose & Scope
Identify, screen & rank new projects
Stakeholder Committee
Analyze Data (Recharge, Water Availability, etc)
Develop Implementation Plan

RMP Timeline

2001

Development of first RMP

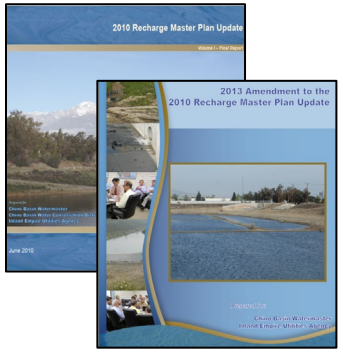


2002-2005

Implementation of 2001 RMP

2010-2013

RMP Update

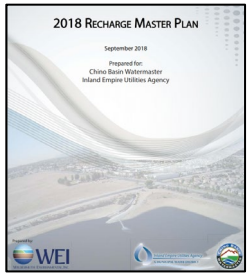


2014-2025

Implementation of 2013 RMP

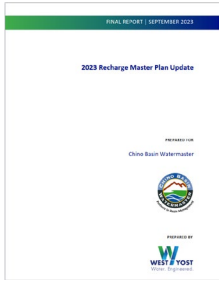
2018

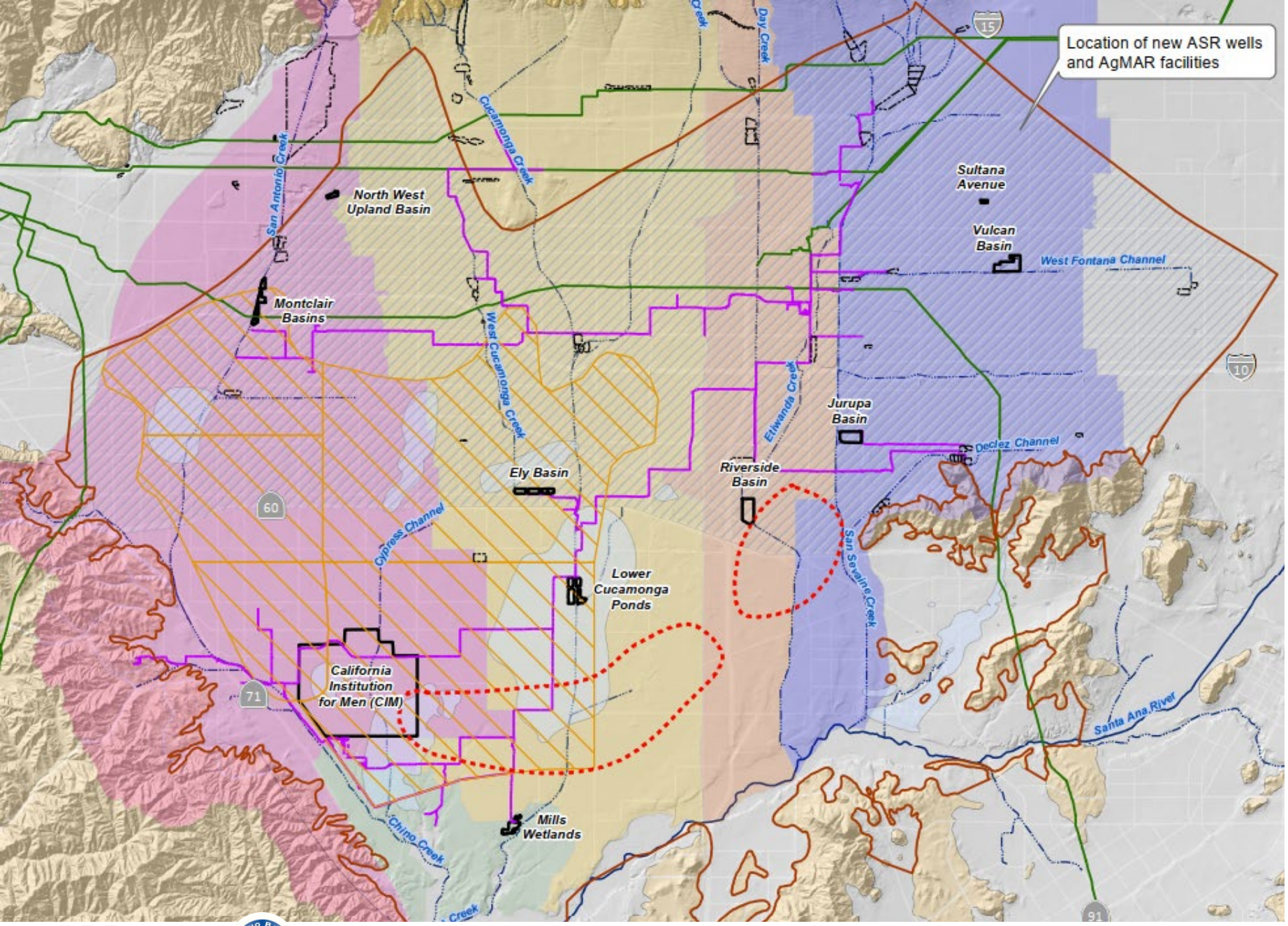
RMP Update



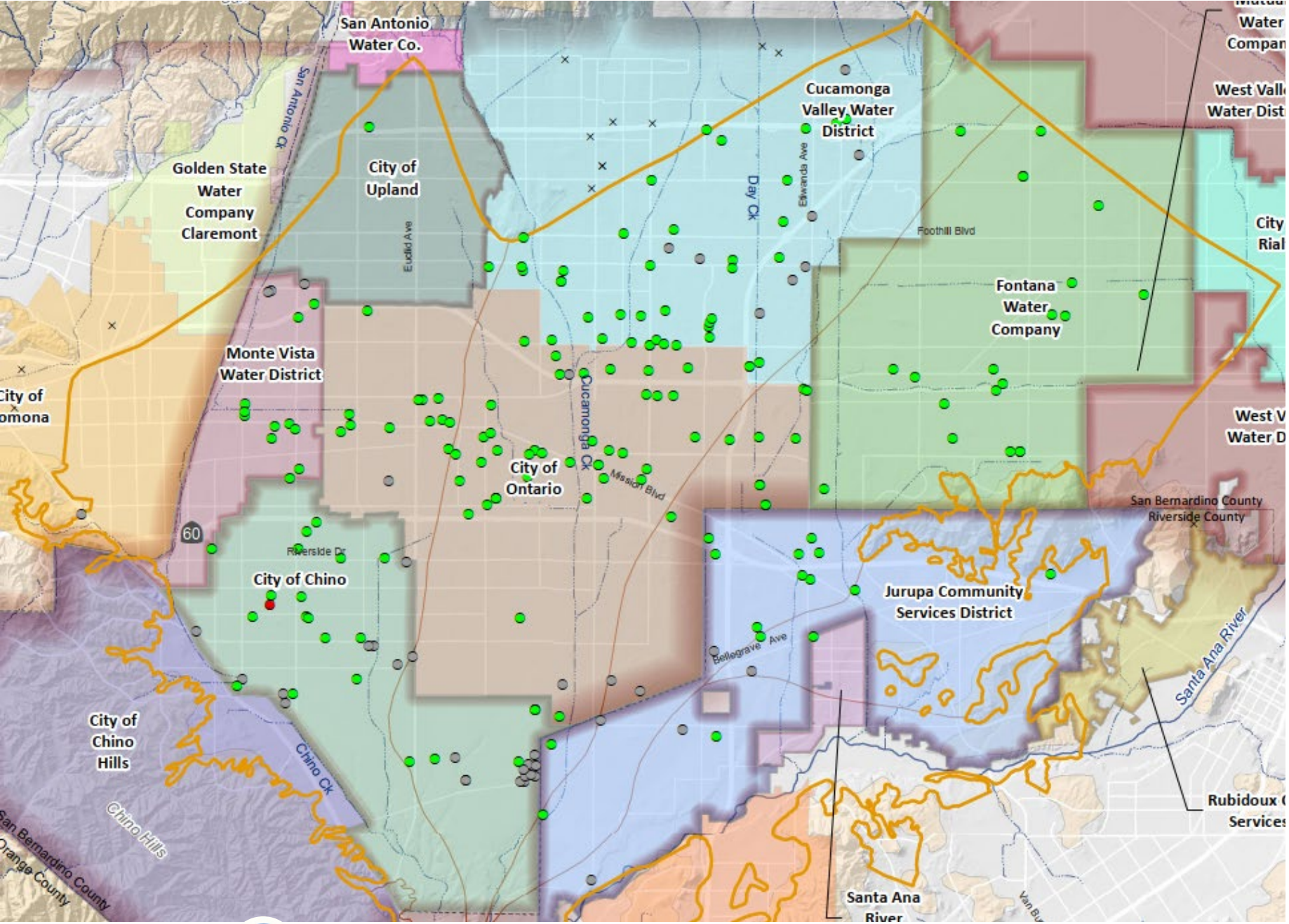
2023

RMP Update



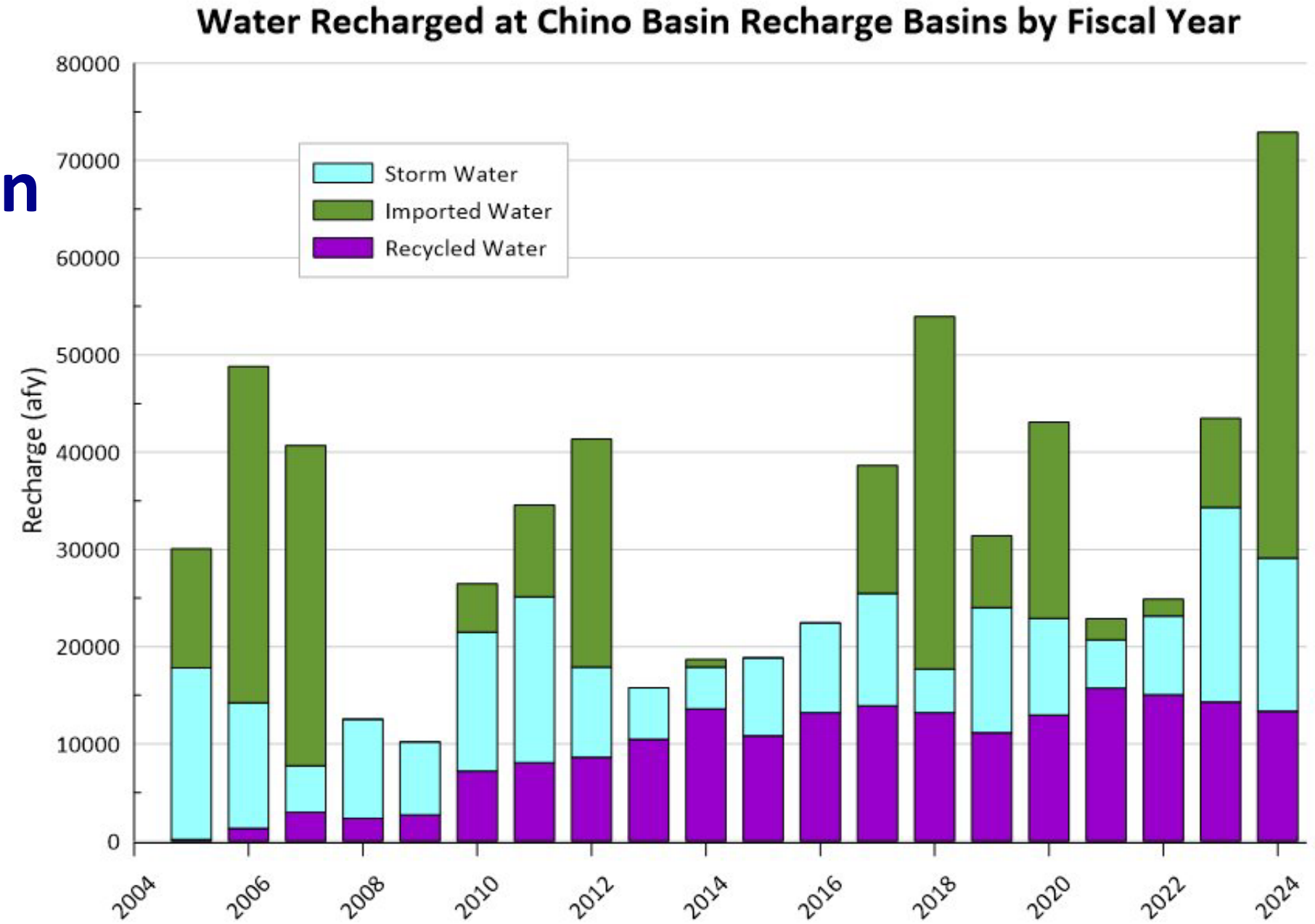


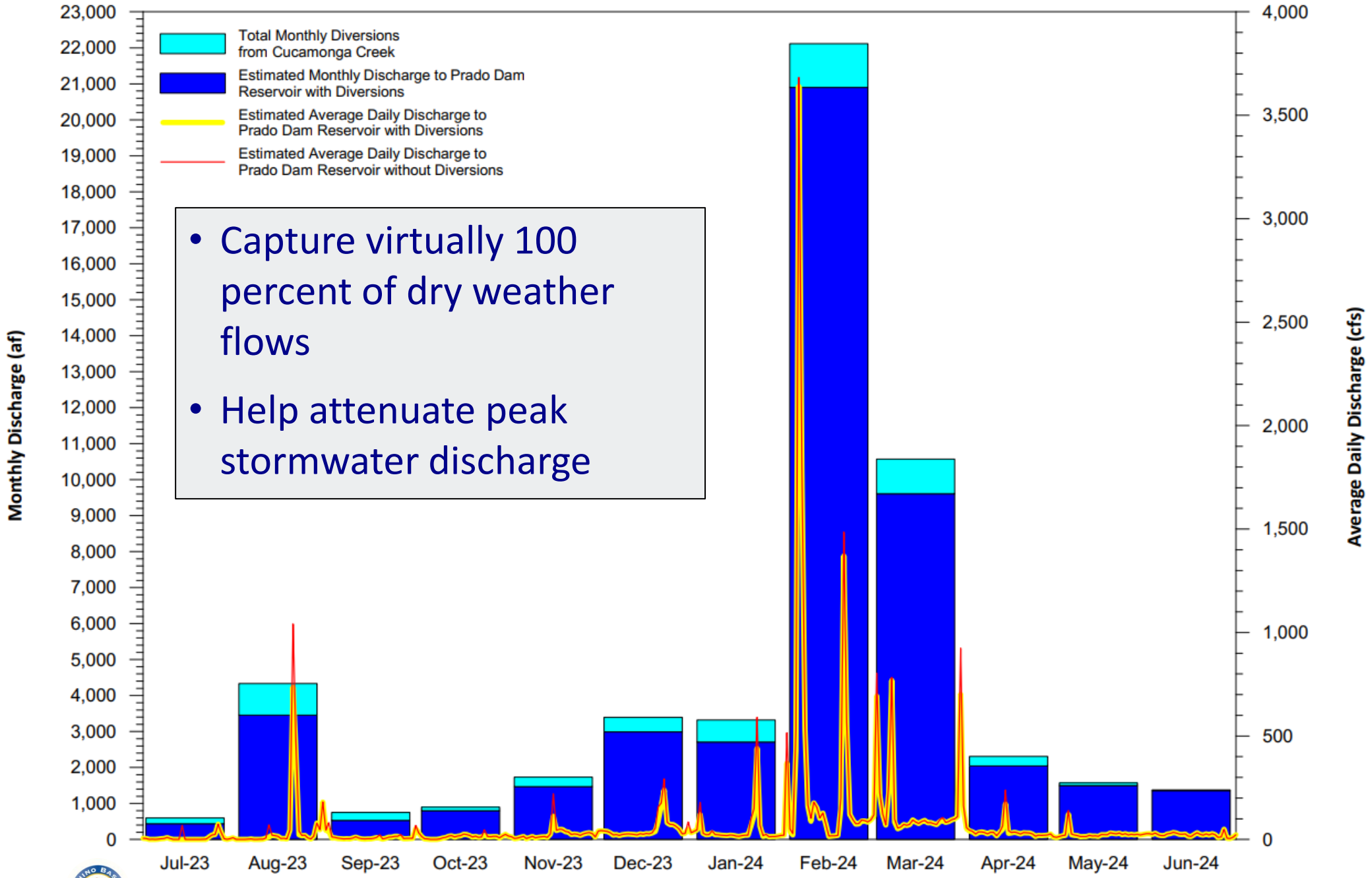
We leverage existing infrastructure owned by the San Bernardino County Flood Control District (**SBCFCD**), Inland Empire Utilities Agency (**IEUA**), and other to maximize recharge sources and facilities



We track MS4 projects, with special interest to projects that include infiltration features.

RMP Implementation Outcomes





- Capture virtually 100 percent of dry weather flows
- Help attenuate peak stormwater discharge

35 YEARS Of Excellence WEST YOST

Summary of Benefits

Supports basin yield & enhances local reliability

Enables recycled water recharge

Promotes collaborative planning

Informs long-term capital & asset management

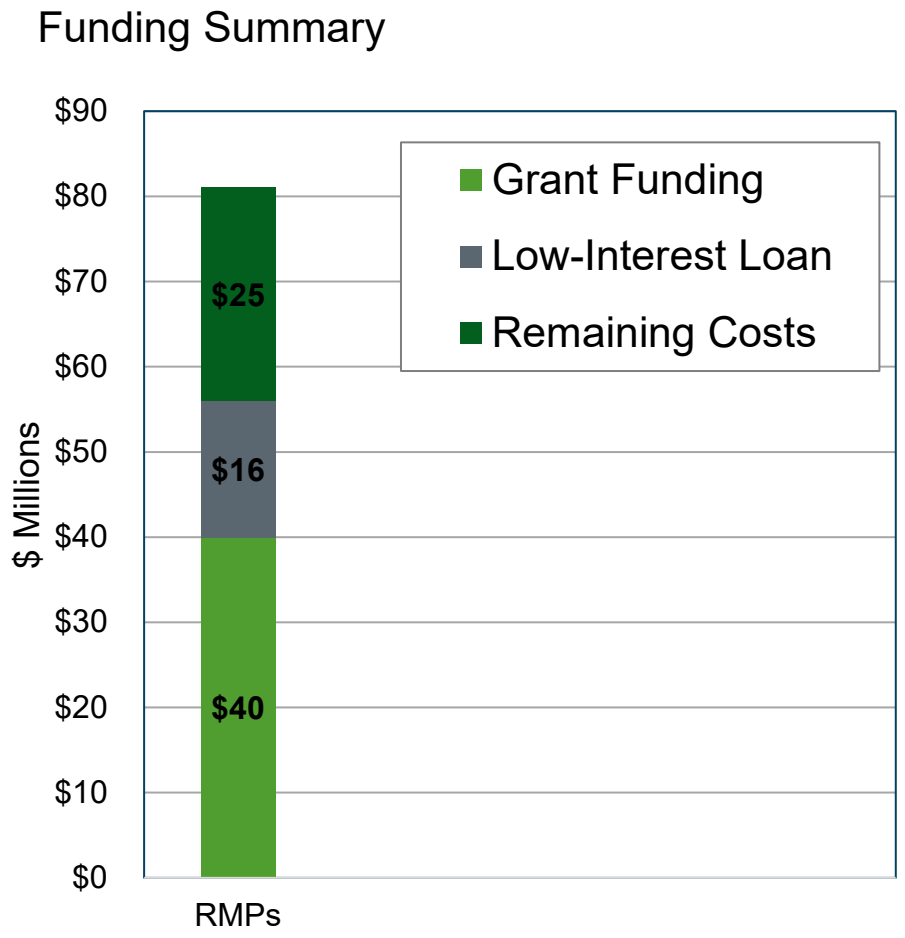
Provides framework for decision-making

… and more!

Summary of Benefits

The RMP has supported grant and loan applications

- **50% grants**
- **20% low-interest loans**



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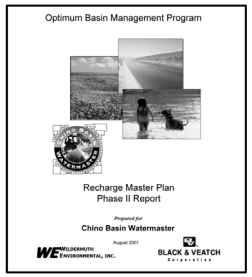
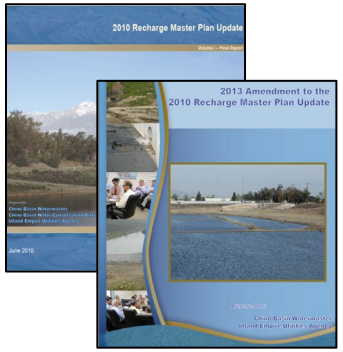


2002-2005 — **Implementation of 2001 RMP**

2010-2013 — RMP Update



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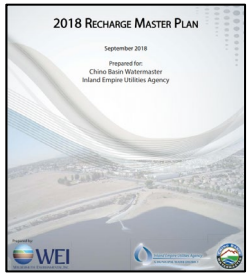

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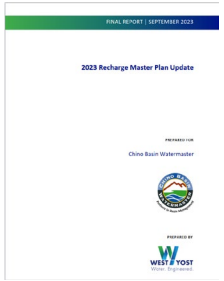

Recharge Investigations & Projects Committee → What new projects should we consider?

Key Takeaways

- RMP enabled the recharge of local and imported water sources in the Chino Basin
- RMP is a living tool that integrates hydrology, policy, and engineering
- Importance of periodic updates and stakeholder collaboration

Today's Presentation

Thank you!

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