

EASTSIDE WATER MANAGEMENT AREA  
Management Area Groundwater Sustainability Plan Summary  
for KGA Board Meeting  
December 18, 2019

## Water Budget

The Kern subbasin’s dynamic conjunctive use programs, water banking operations, and water transfers/exchanges made it necessary to coordinate a GSA-level water accounting method (KGA Checkbook) using subbasin-specific values for supply, demand and net results. The below table represents EWMA’s water budget from the KGA Checkbook over the 1995-2015 hydrologic period. Values shown below are considered accurate to approximately 1,000 acre-feet.

	EWMA	KGA
Total Water Supply (AFY)	7,831	1,673,557
Total Water Demand (AFY)	(21,500)	(1,929,838)
Net Water Budget (AFY)	(13,669)	(256,281)

## Management/Projects/Action Plans

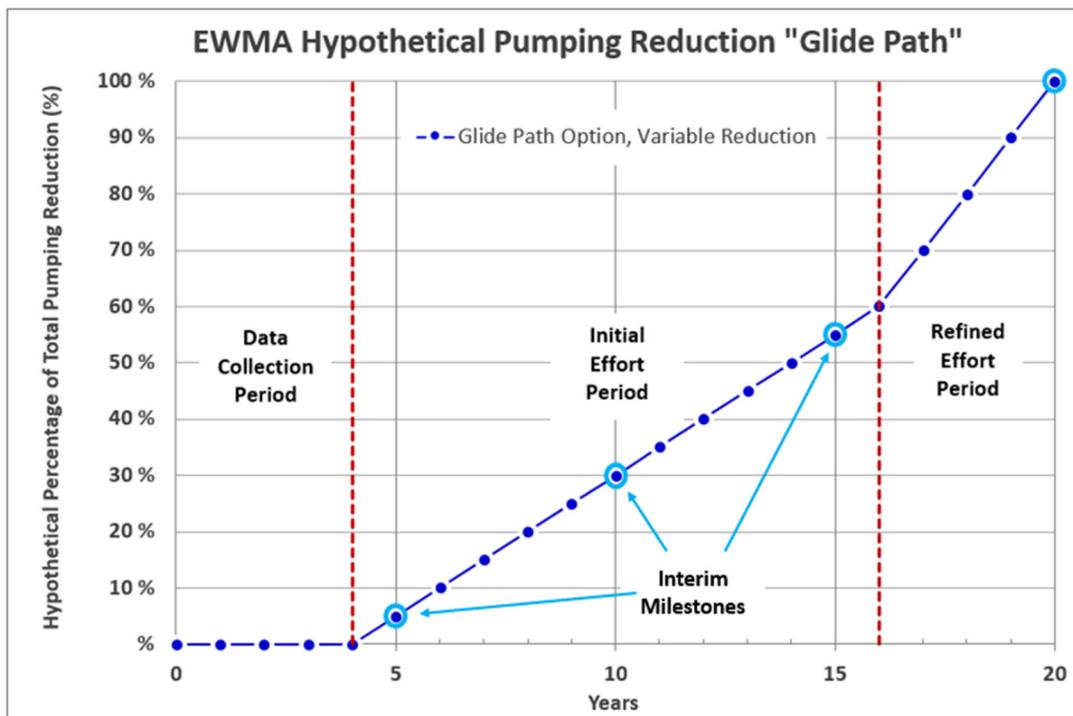
Several EWMA projects and management actions are described below. The EWMA does not plan on starting pumping cutbacks until 2024, after more data are available to assess the water balance. A proposed hypothetical glidepath schedule can be found below.

### Projects

- Development of oilfield-produced water supplies
- Determination of complex aquifer boundaries and native yield (EWMA member wells withdraw from several different aquifers)
- Potential for surface runoff capture and enhanced infiltration in small drainages

## Management Actions

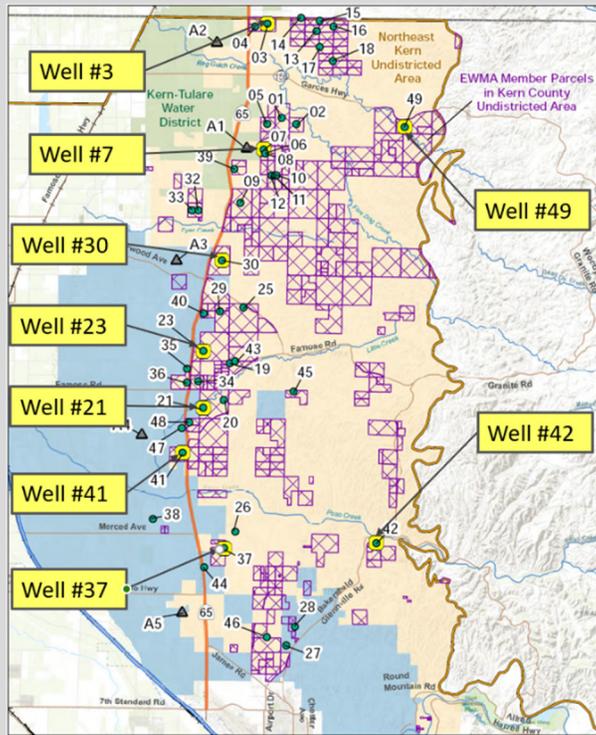
- Reduction of irrigated acreage or modification of irrigation techniques
- Establishment of a system of transferrable water credits
- Assessment of fees for groundwater use (as incentive to reduce pumping)
- Legal and administrative review: effects of CEQA and water law on joint management of native yield



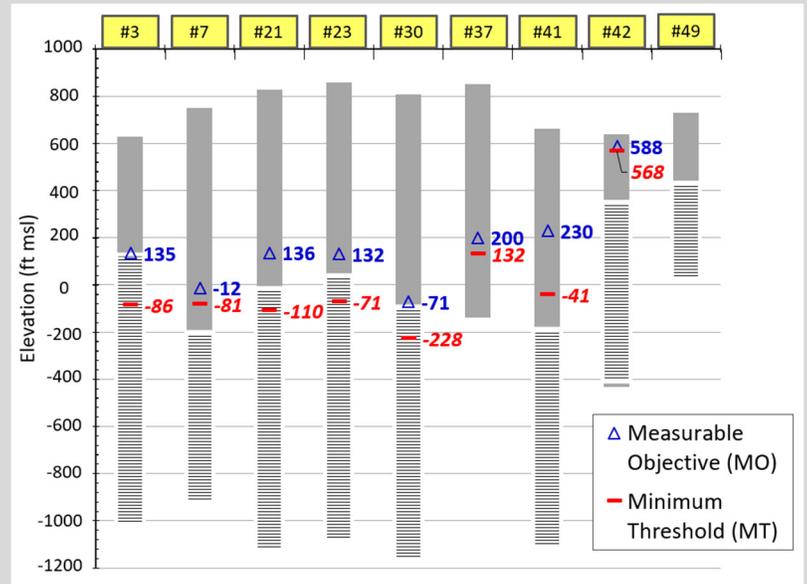
## Sustainability Criteria (MTs and MOs)

The EWMA set preliminary minimum thresholds (MTs) and minimum objectives (MOs) for nine representative wells. Those well locations and their respective MTs and MOs can be seen in the below figures. The EWMA is managing for groundwater levels and total dissolved solids (TDS) for water quality. EWMA coordinated its MTs and MOs with adjacent districts (Kern-Tulare and Cawelo) and is committed to working with these districts during the implementation period.

### Representative Wells in Yellow.



### MTs and MOs for Representative Wells.



## Stakeholder Outreach

The EWMA’s public outreach includes three public workshops with landowners in the eastern Kern County non-district area. Four flyers were distributed to over 1,000 landowners as part of the EWMA’s outreach strategy. The EWMA participated in several Kern Groundwater Authority county-wide open house events. The EWMA maintains direct contact with its 48 members through email and annual mailings. The EWMA has used landowner surveys to better understand its members and holds monthly Board meetings. The EWMA has also held several meetings with adjacent water districts to coordinate our chapters.

## Public Comment

The EWMA received public comments from the Wonderful Company, which although they were addressed to EWMA, were also directed to multiple members of the KGA. Given the broad nature of the comments and since the KGA has already responded to them in its public comment matrix, EWMA’s response to these comments is simply a reference to the KGA-developed response in the umbrella document.