

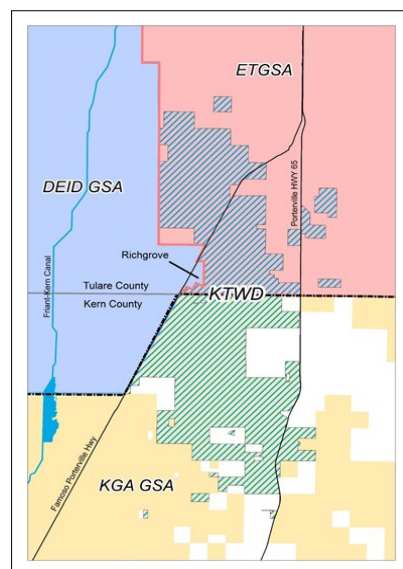
Kern-Tulare Water District GSP Summary

December 18, 2019

Location (Figure 1):

- KTWD is in both the Kern Groundwater Authority GSA and the Eastern Tule GSA.
- KTWD is a management area in both the KGA GSP and the ETGSA GSP and will manage the entire district according to the KTWD Chapter GSP.

Figure 1: Plan Area



Kern Checkbook (Table 1):

- The Subbasin's dynamic conjunctive use programs, water banking operations, and water transfers/exchanges made it necessary to coordinate a water budget (checkbook) using District specific values for supply and demand. KTWD's portion of the KGA water budget is provided below.

Table 1: KGA Water Budget

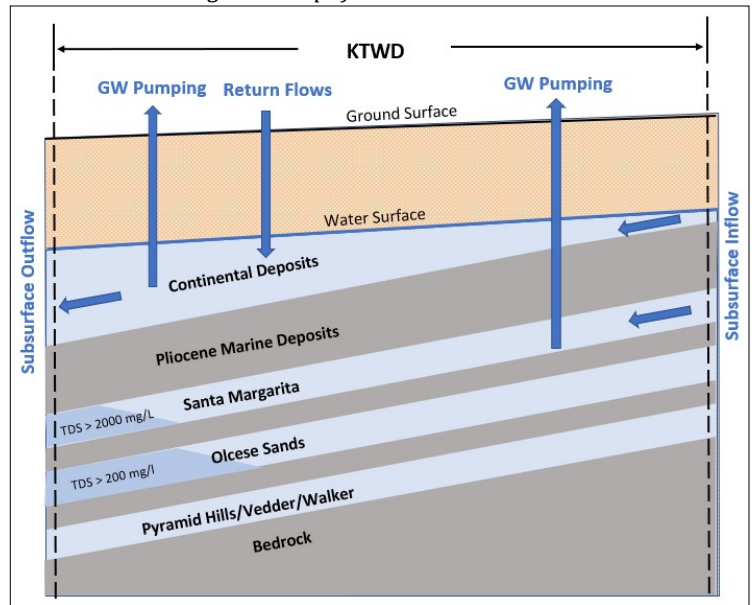
	KGA GSA (AF/yr)	KTWD Kern MA (AF/yr)
Total Demand	1,939,409	30,031
Total Water Supply	1,683,128	26,945
Net	(256,281)	(3,086)

Projects/Management Actions (Table 2):

Table 2: Management Actions

Management Actions	Description	Implementation Timeline
Action 1: Pricing Incentives	Incentivize water users to use surface water when available by applying a groundwater charge to make surface water prices more competitive.	2020 - 2025
Action 2: Produced Water Project	Construct a pipeline to receive produced water from CRC.	2020 - 2025
Action 3: In-District Surface Storage	Construct 8,000 AF of surface storage reservoirs in KTWD to capture wet year flows	2025 - 2030

Figure 2: Aquifers beneath KTWD



Geology (Figure 2):

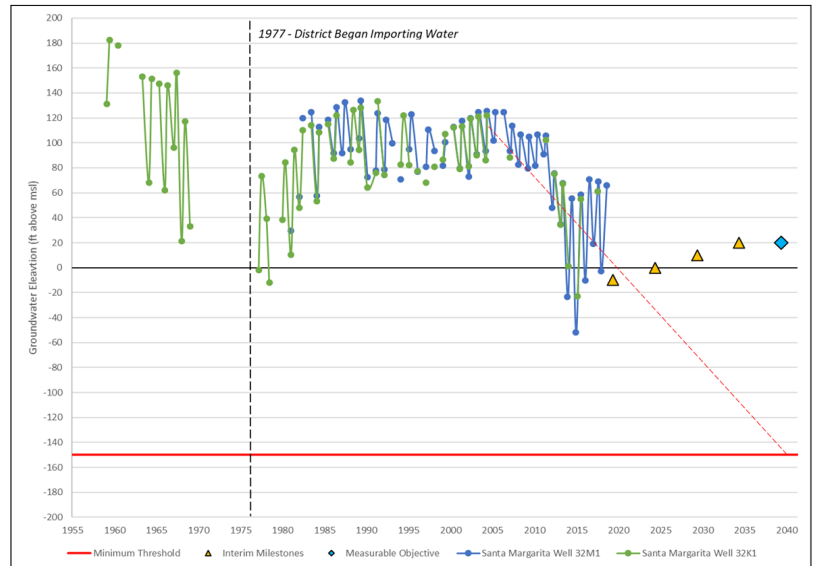
- The primary source of groundwater within KTWD is from the Santa Margarita Formation, which is a confined aquifer that is hydraulically separate from the remainder of the basin.
- There is a salt water interface in the Santa Margarita just west of the District. There is concern that over pumping of the Santa Margarita will cause the undesirable impact of migration of poor-quality groundwater.

Minimum Thresholds &

Measurable Objectives :

- The groundwater level trend from 2006 to 2018 was projected out to 2040 to determine a minimum threshold of -150 ft elevation in the Santa Margarita. The measurable objective for groundwater elevation is 20 ft.
- KTWD will coordinate with EWMA to prevent migration of the fresh-saltwater interface from the west. The minimum threshold for TDS in the Santa Margarita is 750 mg/L and the measurable objective is 500 mg/L.

Figure 3: Minimum Threshold



Outreach:

- In addition to outreach efforts by KGA GSA and ETGSA, KTWD hosted 5 landowner meetings:
 - 1) June 18th - Delano @ 1pm
 - 2) July 9th - Visalia @ 8am
 - 3) July 9th - Bakersfield @ 1pm
 - 4) July 26th - Delano @ 8am
 - 5) August 5th - Delano @ 6pm

Public Comment:

- 1 comment letter was received from Wonderful LLC that did not contain specific comments on the KTWD GSP. The KGA submitted a response letter on behalf of all districts.