



Management Area Plan Summary

August 28, 2019

Sustainability Goal

In its Management Area Plan (MAP) (the cities of Delano and McFarland) SSJMUD has adopted the broadly defined Subbasin Sustainability Goal. Additionally, the District will continue to maintain groundwater conditions to support overlying agricultural and non-agricultural activities through the implementation of proposed projects and management actions that will facilitate the importation of surface water to the District and further support the Sustainability Goal.

Proposed Projects & Management Actions

Project Name	Status	Water Savings or Supply Increase (AFY)
City of Delano Spreading Grounds	Initiated	500
In-District Spreading & Recovery Facility	Initiated	2,800
Cawelo Intertie	Conceptual	500
Schuster Intertie (Semitropic)	Conceptual	1,810
NKWSO 9-28 Intertie	Initiated	4,280
SE Delano Spreading Grounds	Conceptual	2,640
Pond Spreading Grounds	Conceptual	1,840
ESTIMATED TOTAL		14,370

Management Action	Status	Demand Decrease (AFY)
In-Lieu Recharge Incentive Program	Planning	1,800
Ag to Urban Land Conversion	Planning	1,750
Urban Water Conservation Program	Planning	4,000
TOTAL DEMAND DECREASE		7,550

Water Supply Accounting Baseline “Checkbook” for Current and Future Projected Conditions

	"Current" Conditions	2030 Conditions	2070 Conditions
Irrigated Area (acres)	44,800	43,100	37,300
INFLOWS:			
TOTAL INFLOW	127,300	123,700	122,000
OUTFLOWS:			
Irrigated Area ET	120,700	119,200	106,000
M&I Pumping (cities of Delano and McFarland)	9,900	13,800	25,100
TOTAL OUTFLOW	130,600	133,000	131,100
"NATIVE YIELD"			
@ 0 af/ac	0	0	0
@ 0.15 af/ac	9,800	9,800	9,800
@ 0.30 af/ac	19,500	19,500	19,500
IMPLIED CHANGE IN GROUNDWATER STORAGE			
Without Native Yield	-3,300	-9,300	-9,100
Native Yield = 0.15 af/ac	6,300	500	700
Native Yield = 0.30 af/ac	16,100	10,200	10,400

Measurable Objectives and Minimum Thresholds

The SSJMUD MAP uses measurable objectives and minimum thresholds consistent with four other northern Kern County districts with similar geologic conditions.

