

Salinas Valley Basin GSA

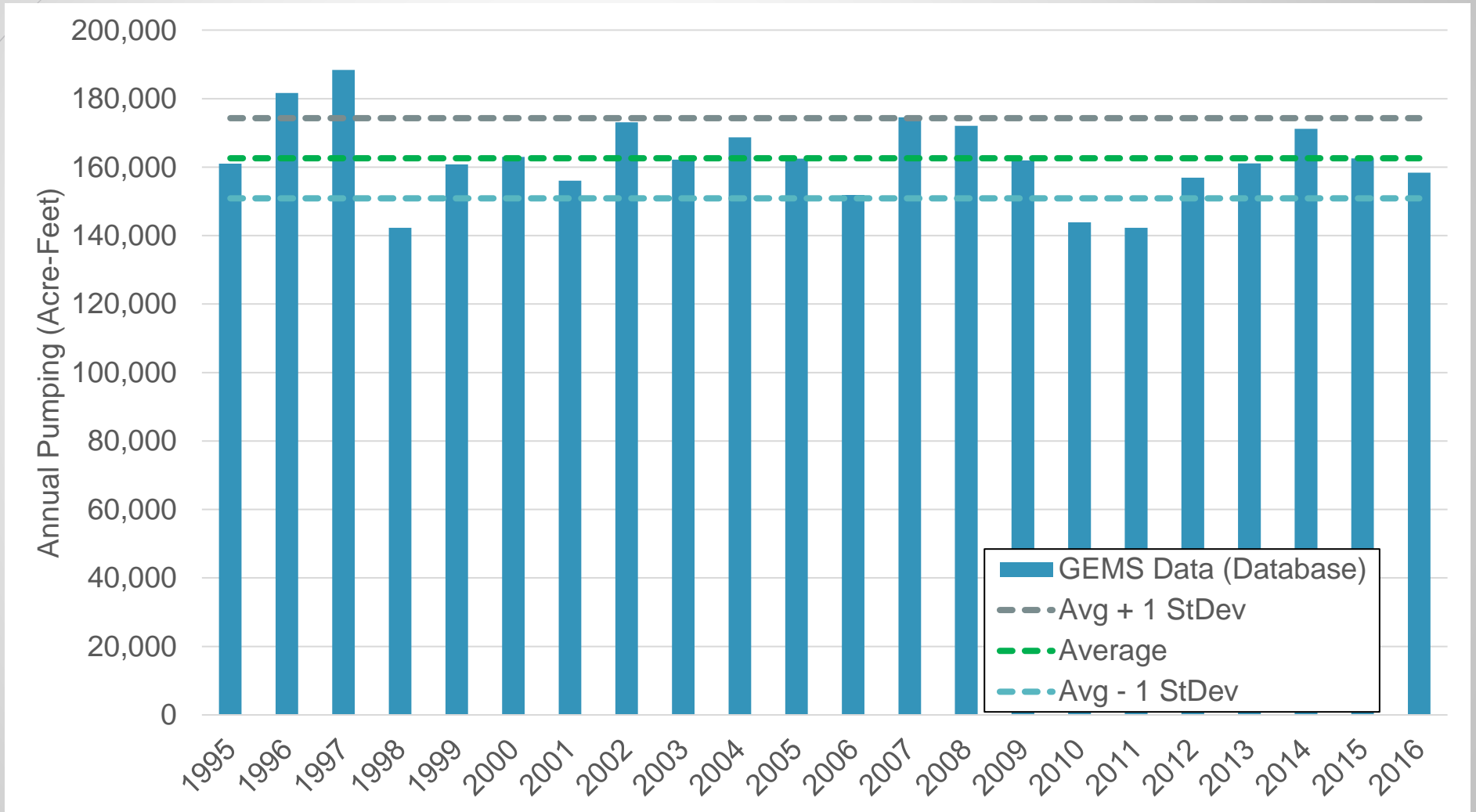
Sustainable Yield Estimates

Presented to Forebay Aquifer
Subbasin Committee
June 9, 2021

Prepared by



“Best” Sustainable Yield Based on GEMS Data



Minimum Historical Sustainable Yield Range

	Low Estimate (Avg – 1 St. Dev.) (Ac-ft./yr.)	Average (Ac-ft./yr.)	High Estimate (Avg + 1 St. Dev.) (Ac-ft./yr.)
Extraction	150,900	162,600	174,300
Change in Storage	0	0	0
Sustainable Yield = Extraction – Change in Storage	150,900	162,600	174,300

SVOM and Estimated Projected Pumping

	2030 Average (Ac-ft./yr.)	2070 Average (Ac-ft./yr.)
SVOM Estimate	109,700	115,900
Factor Between Historical SVIHM and GEMS data	0.65	0.65
Estimated Projected Pumping	168,800	178,308

Minimum Projected Sustainable Yields

	2030 Average Estimate (Ac-ft./yr.)	2070 Average Estimate (Ac-ft./yr.)
Extraction	168,800	178,300
Change in Storage	0	0
Sustainable Yield = Extraction – Change in Storage	168,800	178,300

Minimum Historical Arroyo Seco Management Area Sustainable Yield

	Low Estimate (Avg – 1 St. Dev.) (Ac-ft./yr.)	Average (Ac-ft./yr.)	High Estimate (Avg + 1 St. Dev.) (Ac-ft./yr.)
Extraction	44,400	48,700	53,000
Change in Storage	0	0	0
Sustainable Yield = Extraction – Change in Storage	44,400	48,700	53,000

Minimum Projected Arroyo Seco Management Area Sustainable Yield

	2030 Average Estimate (Ac-ft./yr.)	2070 Average Estimate (Ac-ft./yr.)
Extraction	50,900	54,000
Change in Storage	0	0
Sustainable Yield = Extraction – Change in Storage	50,900	54,000



Questions

