



December 21, 2022



March 8, 2023

2023 Zone 7 Annual Sustainability Report

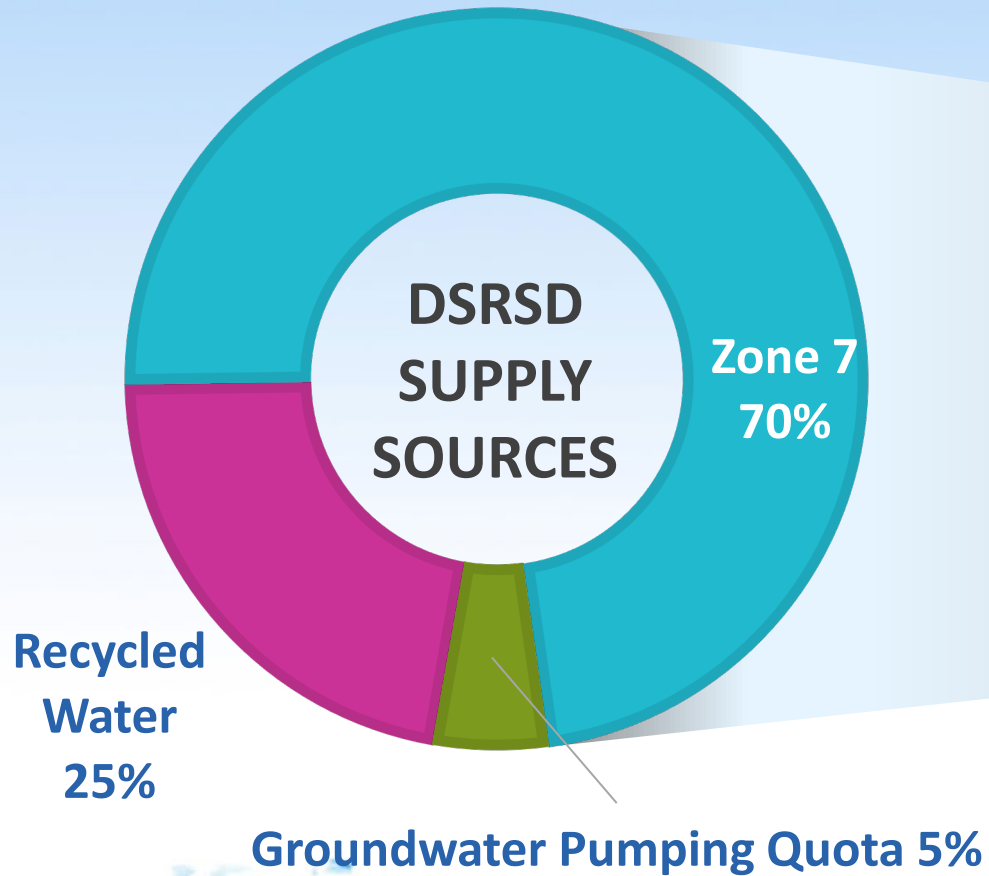


**Dublin San Ramon
Services District**

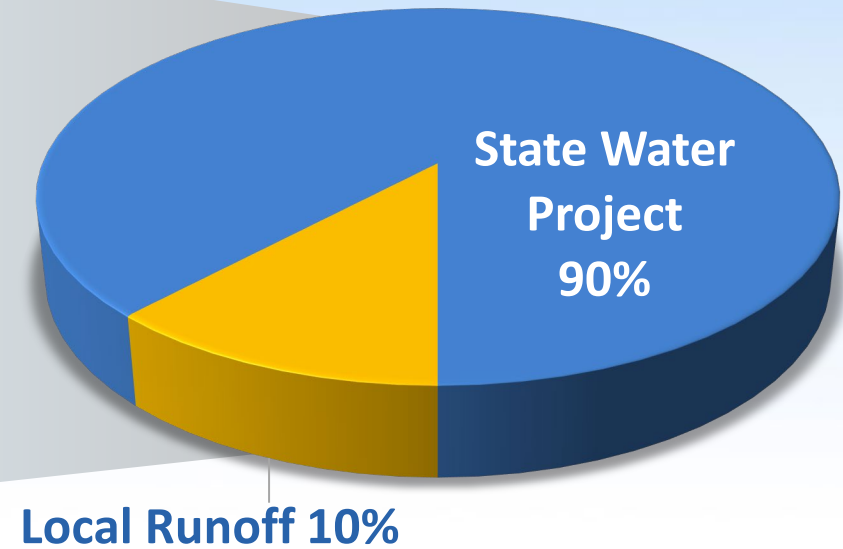
Water, wastewater, recycled water

DSRSD Board of Directors Meeting
May 16, 2023

Water Supplies

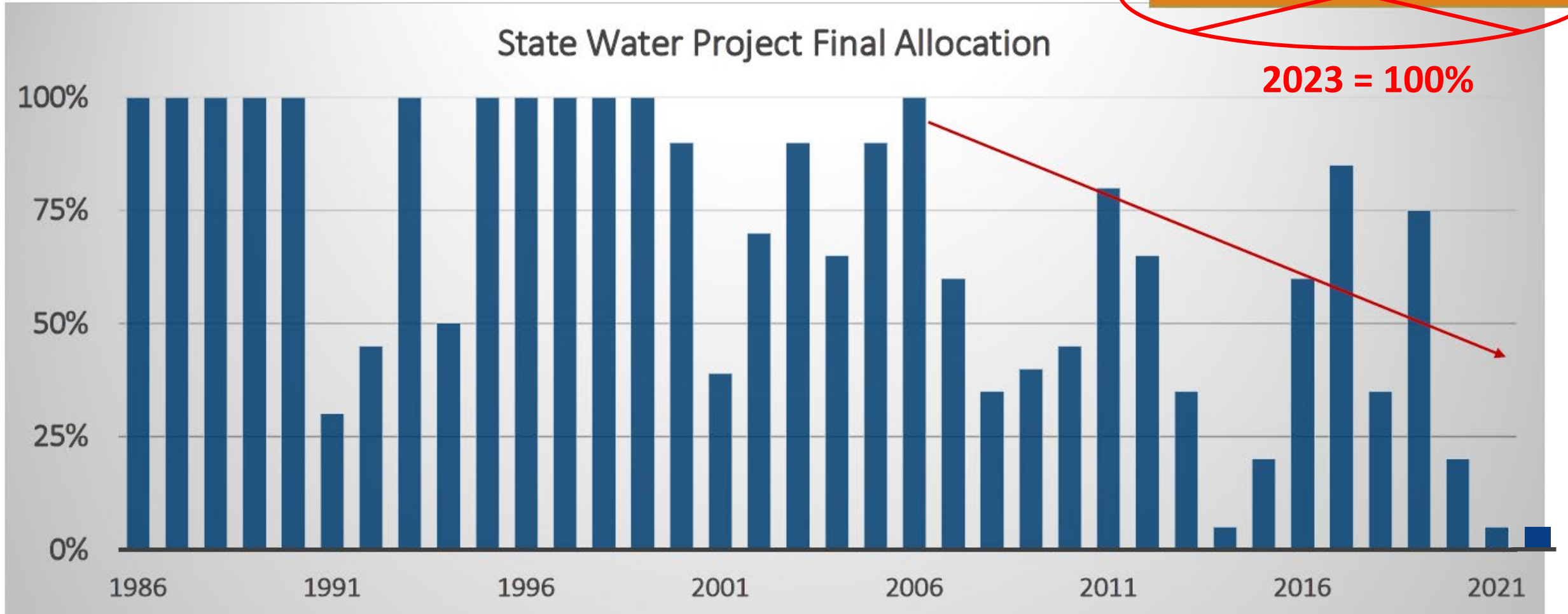


ZONE 7 SUPPLY SOURCES
(Average conditions – varies year to year)



Declining State Water Project Reliability

~~Current SWP Allocation at 75%~~



Zone 7 Storage



Local Groundwater Basin (Main Basin)

Chain of Lakes:
• Lake I
• Cope Lake

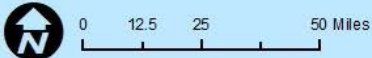
Lake Del Valle

San Luis Reservoir

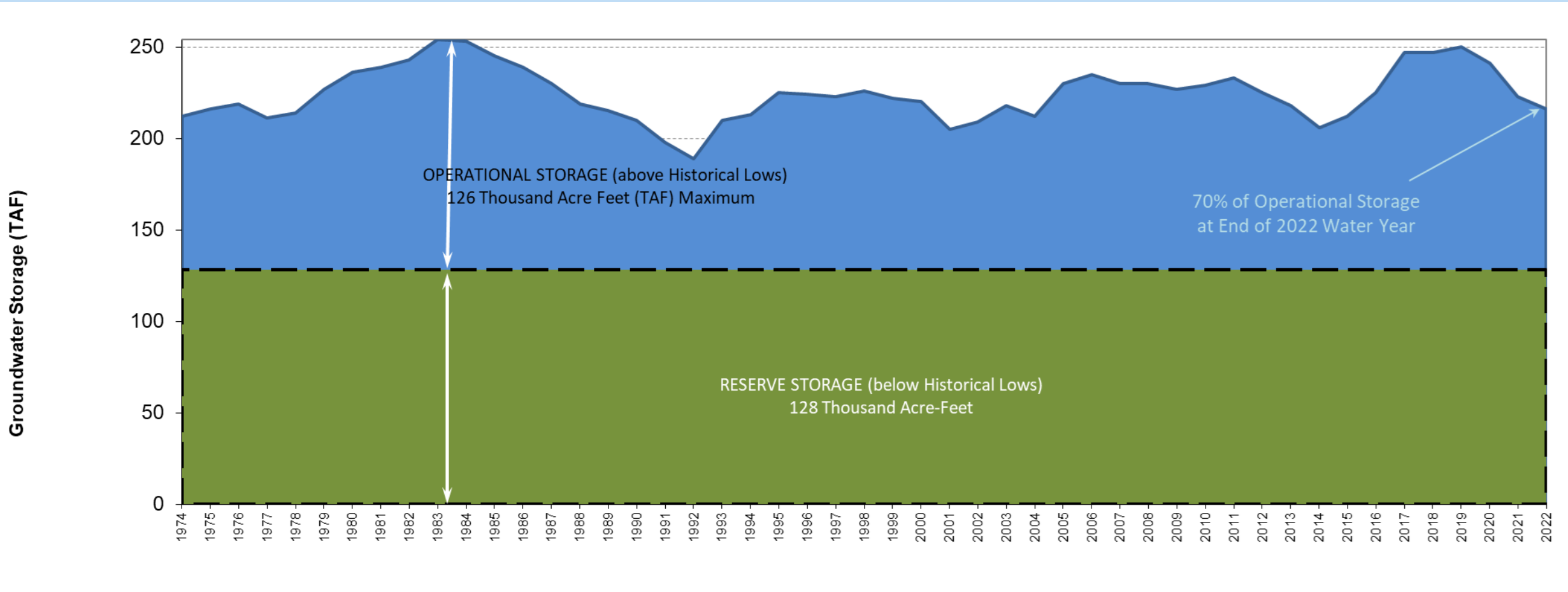
CAWELO
WATER DISTRICT

Cawelo Water District

Semitropic Water Storage District

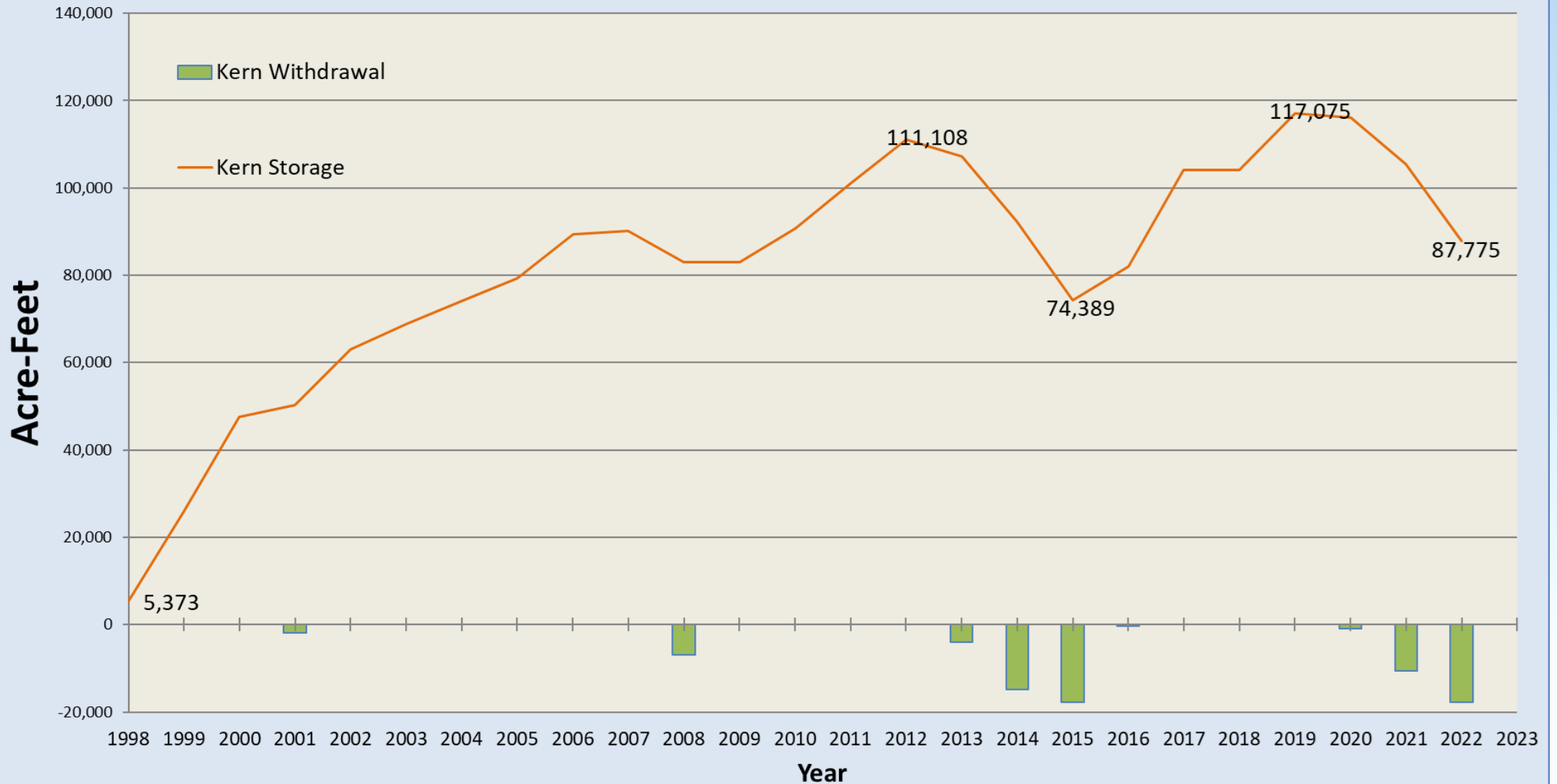


Available Main Basin Groundwater Storage



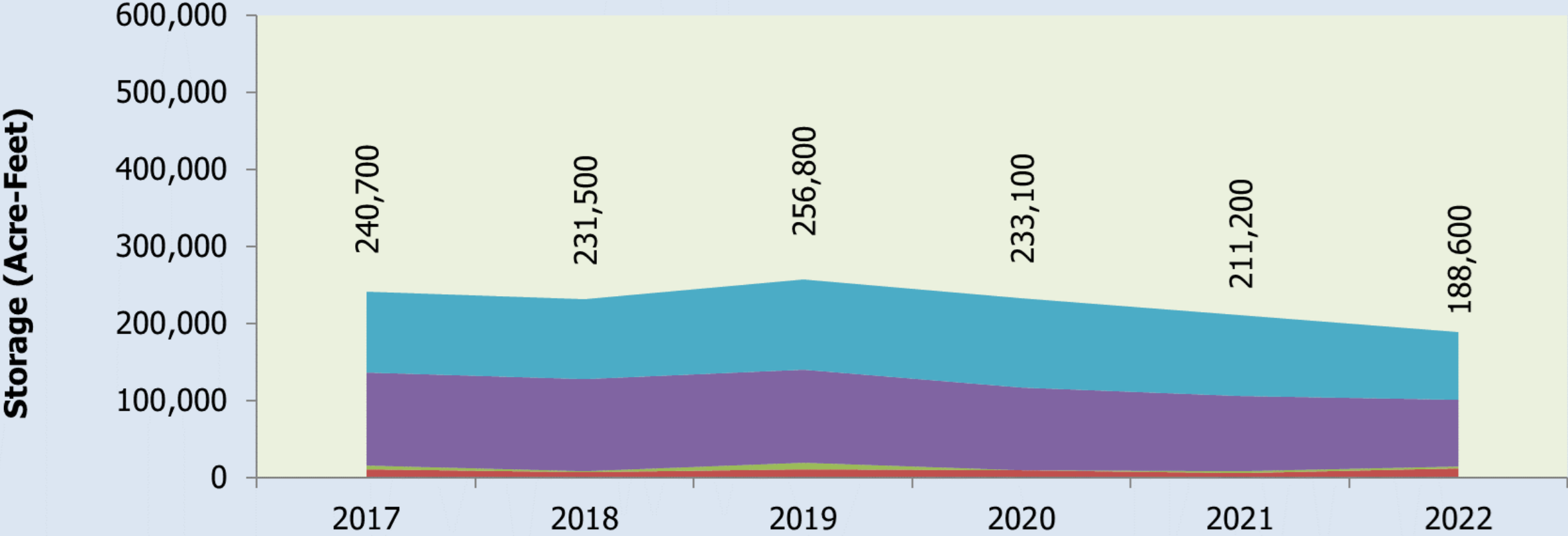
Reference: Zone 7 Water Agency 2023 Annual Sustainability Report, April 2023

Kern County Storage & Recovery Programs



Total Available Storage

End-of-Year Storage Balances



SWP Carryover Lake Del Valle Groundwater Basin - Operational Storage Kern County Groundwater Banks

Reference: Zone 7 Water Agency 2023 Annual Sustainability Report, April 2023

2023 Water Supply Conditions



Cumulative local/state snow and rainfall well above normal following 3 years of drought



Zone 7 expects to receive at least 75% allocation from the State Water Project and about 7,000 AF of local water

SWP allocation increased to 100% on April 20, 2023



Zone 7 plans to produce lower than average groundwater - 3,000 AF



Zone 7 will store water via the Kern County Storage and Recovery Programs



Zone 7 plans to recharge the main basin with about 7,000 AF

Five-Year Supply and Demand Comparison

SUPPLIES VS DEMANDS	ACTUAL	PROJECTIONS				
Acre-Feet	2022	2023	2024	2025	2026	2027
<i>Table A Allocation</i>	5%	75%	10%	30%	55%	55%
Incoming Supplies	10,500	67,500	13,100	34,200	54,800	54,800
Water Supply from Storage	42,760	17,000	44,300	28,300	21,300	22,800
Total Water Supply	53,260	84,500	57,400	62,500	76,100	77,600
Customer Deliveries	38,810	44,900	46,300	47,100	47,600	48,000
Supply to Storage	13,920	28,200	10,000	14,000	27,500	28,600
System Losses	530	11,400	1,100	1,400	1,000	1,000
% of Demand Delivered (Customer Deliveries)	100%	100%	100%	100%	100%	100%
TOTAL STORAGE	188,600	198,600	164,300	150,000	155,000	159,500

Reference: Zone 7 Water Agency 2023 Annual Sustainability Report, April 2023

Shadow Cliffs Regional Recreational Area

- » Managed by East Bay Regional Park District
- » Total storage capacity = 2,500 acre-feet
- » Fluctuating water levels that change with hydrologic conditions and seasons
- » Limited ability to move water into lake
- » Zone 7 and EBRPD partnering on joint project to refill Shadow Cliffs Lake in 2023





Questions?