



COLORADO
Division of Water Resources
Department of Natural Resources

South Platte Summary December 2023

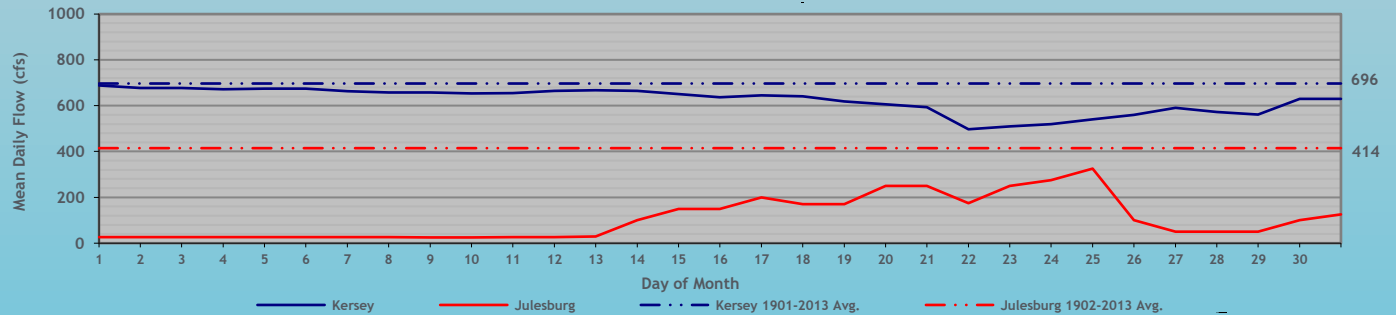
Compiled by Lee Cunning, P.E.

COLORADO DIVISION OF WATER RESOURCES, DIVISION 1

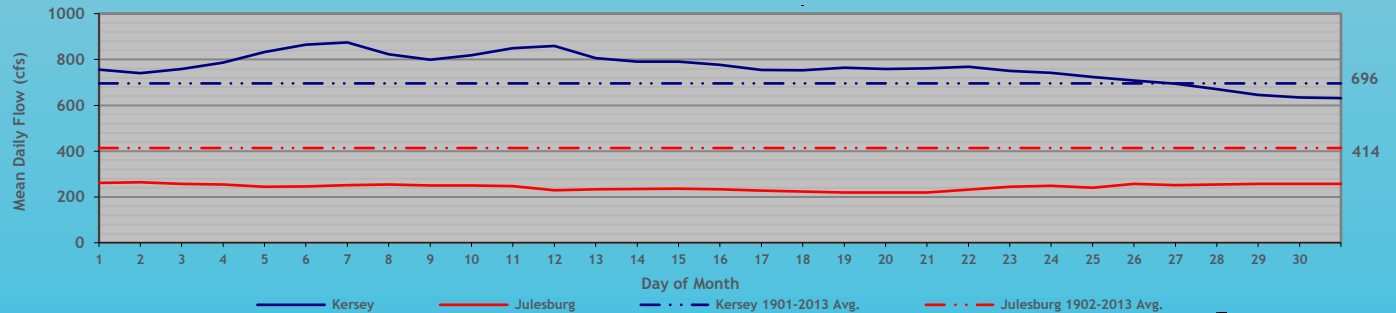
MONTH OF December 2023

RESERVOIR	FULL ALLOWABLE CAPACITY (ACRE FEET)	FIRST OF MONTH (ACRE FEET)	END OF MONTH (ACRE FEET)	DISTRICT	CHANGE IN STORAGE (ACRE FEET)	% CHANGE IN STORAGE BASED ON FIRST OF MONTH STORAGE	% OF CURRENT FULL ALLOWABLE CAPACITY	% OF CURRENT FULL ALLOWABLE CAPACITY THIS MONTH LAST YEAR	SURCHARGE (ACRE FEET)
JULESBURG	22,666	15,896	16,142	64	246	2%	71%	63%	0
N STERLING	73,730	51,875	73,153	64	21,278	41%	99%	40%	0
PREWITT	28,500	16,781	28,250	64	11,469	68%	99%	29%	0
JACKSON	27,257	24,936	24,557	1	-379	-2%	90%	72%	0
EMPIRE	37,700	22,546	21,152	1	-1,394	-6%	56%	59%	0
RIVERSIDE	63,113	51,238	55,656	1	4,418	9%	88%	53%	0
BARR LAKE	32,152	16,379	20,509	2	4,130	25%	64%	48%	0
CHEESMAN	79,064	74,020	73,092	80	-928	-1%	92%	90%	0
ELEVEN MILE	97,779	99,246	99,280	23	34	0%	100%	100%	1,501
SPINNEY	53,651	41,478	42,191	23	713	2%	79%	38%	0
ANTERO	20,015	19,643	20,144	23	501	3%	100%	100%	129

**KERSEY and JULESBURG
December 2023**

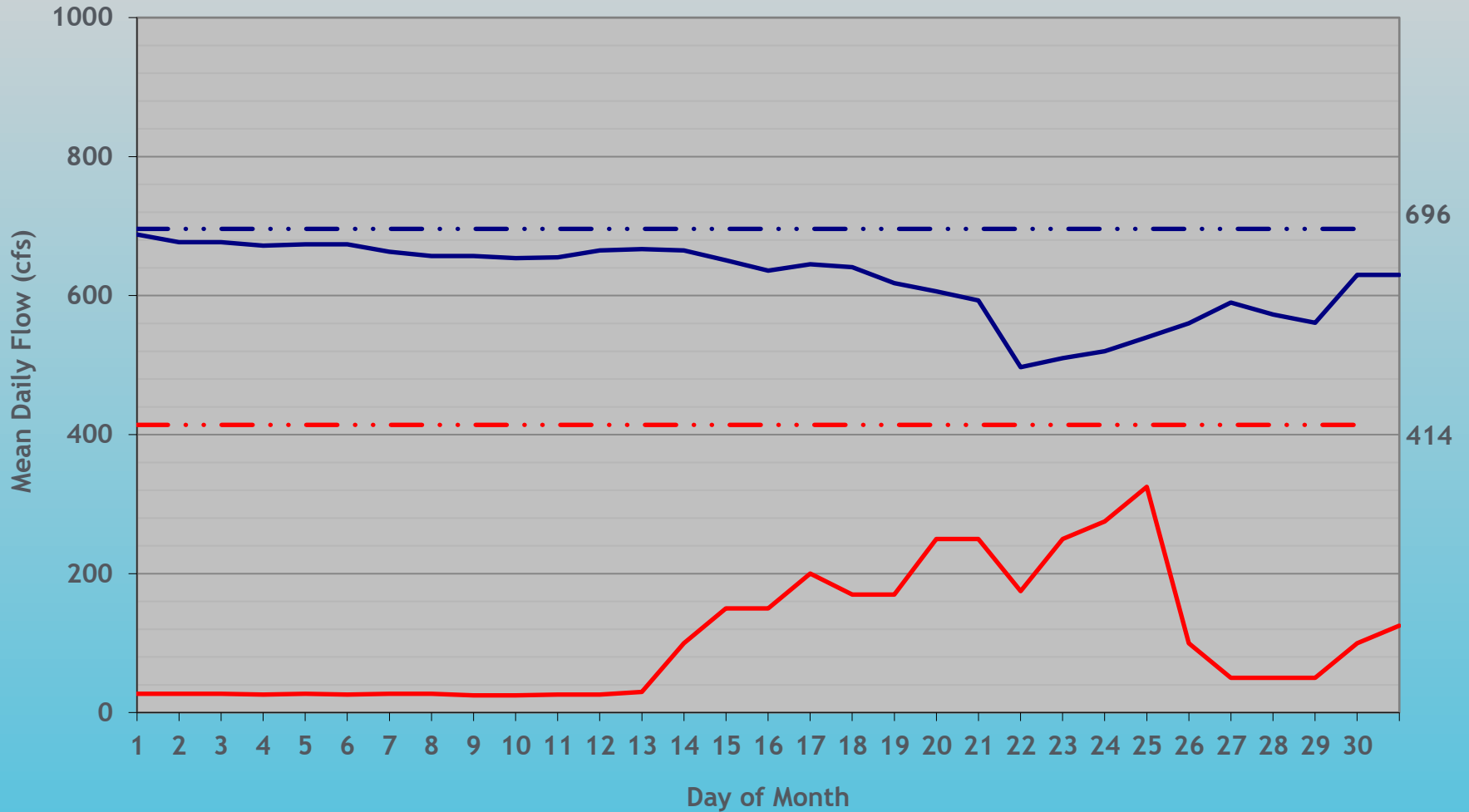


**KERSEY and JULESBURG
December 2024**



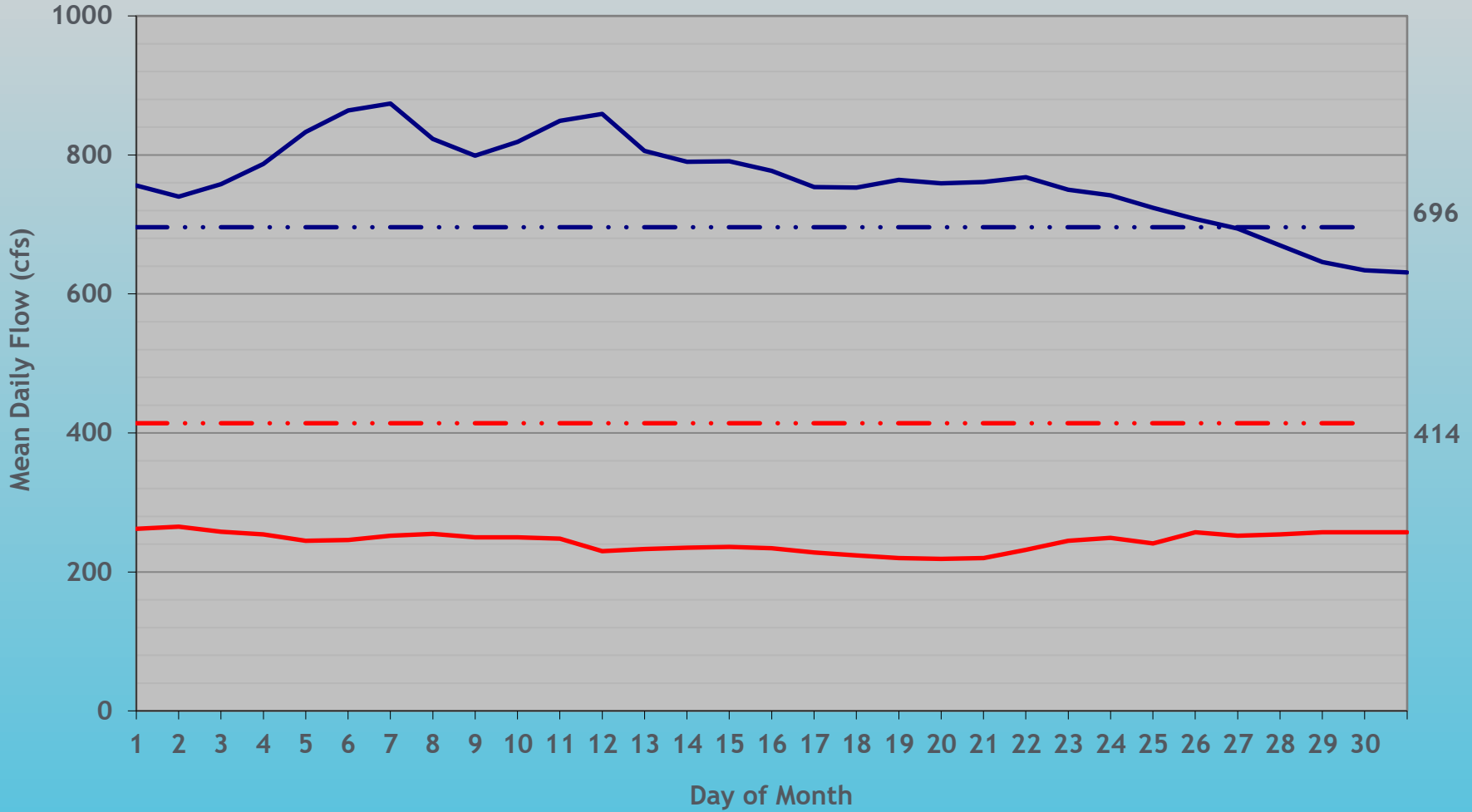
RIVER GAGES	MEAN DAILY FLOW (CFS)
KERSEY	764
JULESBURG	244
THIS MONTH LAST YEAR	
KERSEY	624
JULESBURG	106
MEAN FOR PERIOD OF RECORD*	
KERSEY	696
JULESBURG	414
*Kersey 1901 - 2016	
*Julesburg 1902 - 2016	

KERSEY and JULESBURG December 2023



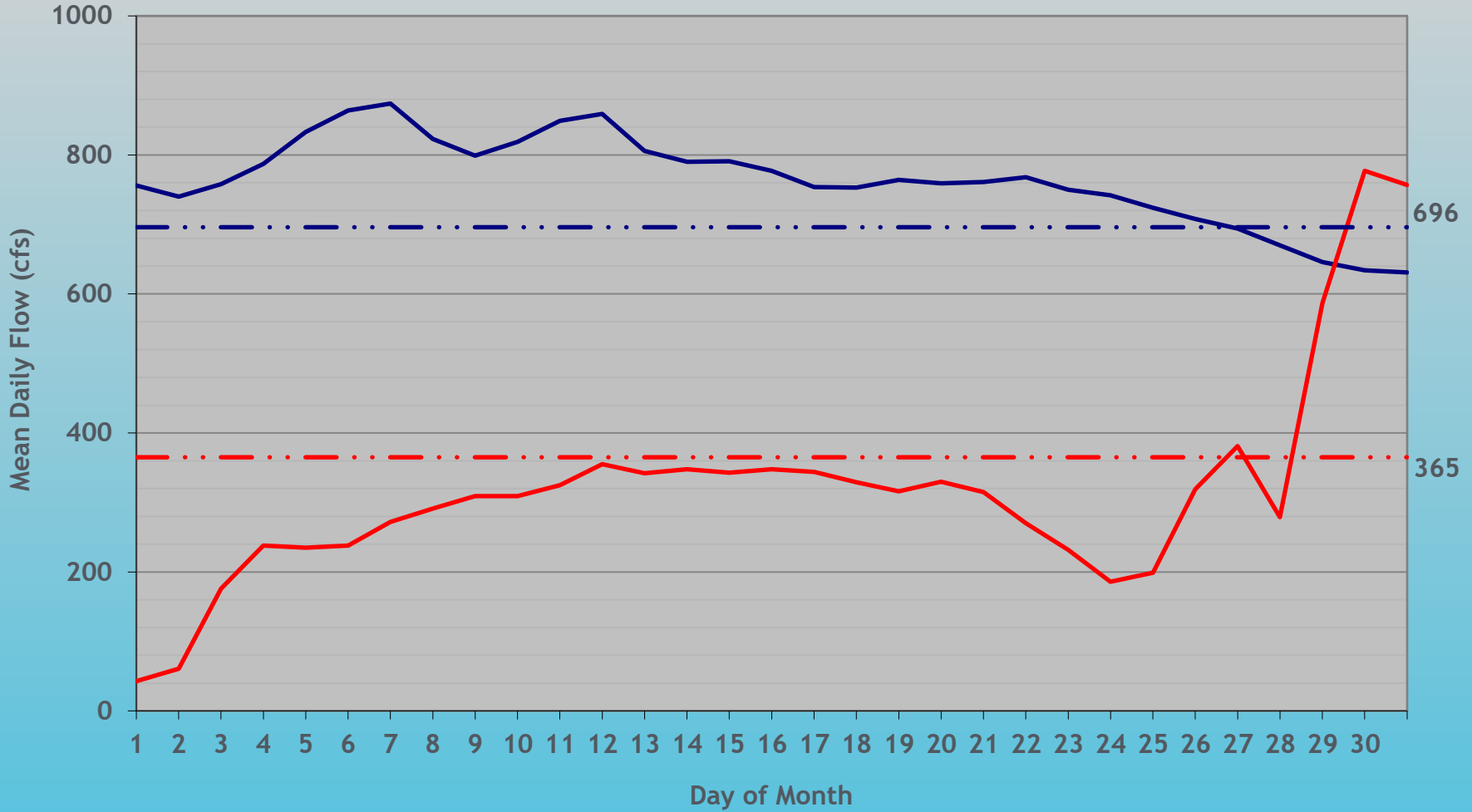
— Kersey — Julesburg — · Kersey 1901-2013 Avg. — · Julesburg 1902-2013 Avg.

KERSEY and JULESBURG December 2024



— Kersey — Julesburg — • Kersey 1901-2013 Avg. — • Julesburg 1902-2013 Avg.

KERSEY and BALZAC December 2024



— Kersey — Balzac - · - Kersey 1901-2013 Avg. - · - Balzac 1917-2013 Avg.

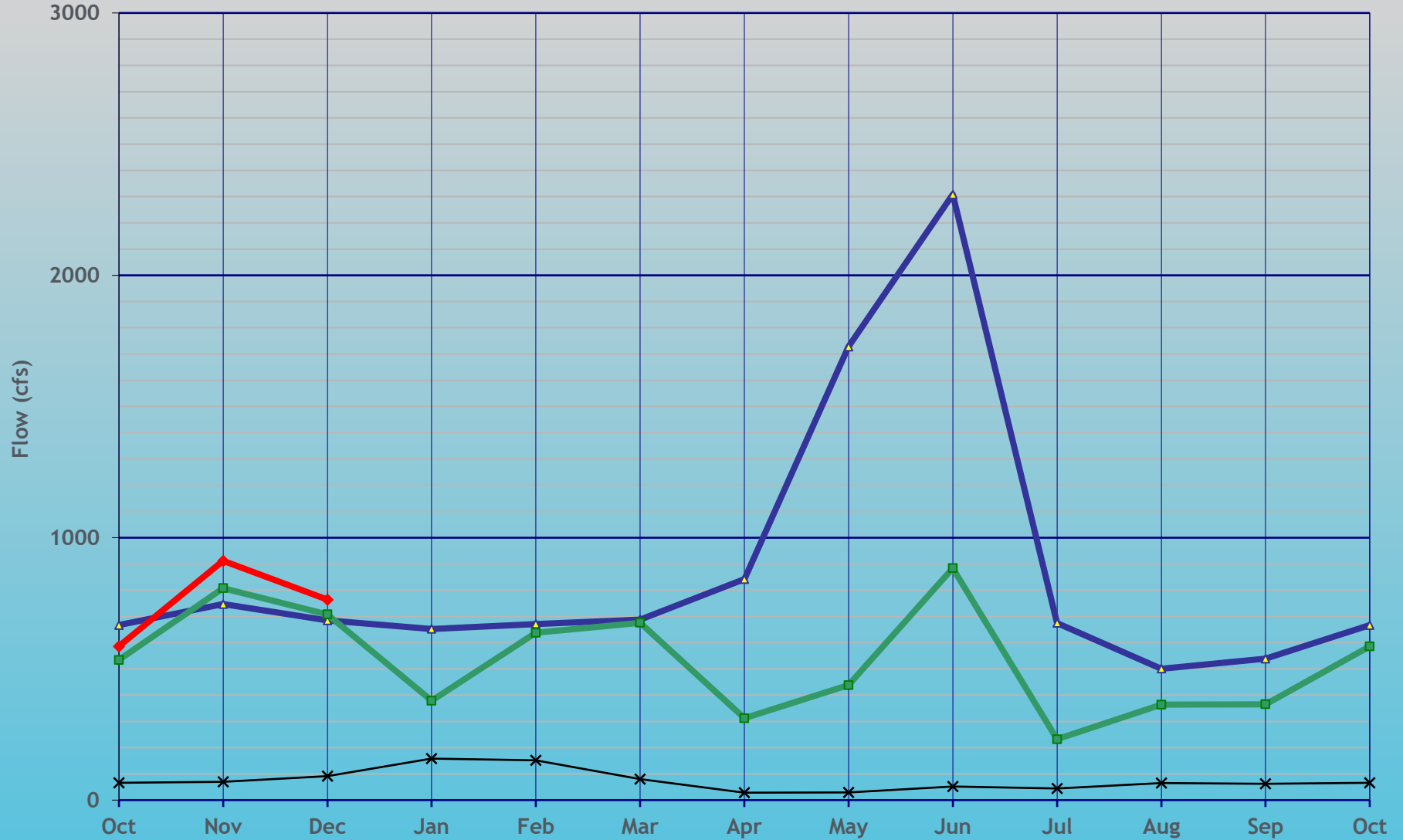
South Platte River Monthly Stream Flow (cfs) Statistics

South Platte River at Kersey							South Platte River at Julesburg						
Month	Historic* Mean Flow	Historic* Max Flow	Year	Historic* Min Flow	Year	IY 2024 Mean Monthly Flow	Month	Historic* Mean Flow	Historic* Max Flow	Year	Historic* Min Flow	Year	IY 2024 Mean Monthly Flow
Oct	667	6180	1984	66	1954	586	Oct	299	3130	1984	4.2	1903	94
Nov	747	3650	1984	70	1934	912	Nov	335	2900	1984	4.2	1903	30
Dec	685	1890	1961	91	1934	764	Dec	401	1820	1984	13	2002	318
Jan	652	2160	1974	158	1935		Jan	512	2510	1970	21	2003	
Feb	671	3060	1914	152	1935		Feb	578	3220	1930	29	2005	
Mar	688	3470	1983	80	1935		Mar	512	12900	1910	15	1904	
Apr	842	18100	1942	28	1955		Apr	514	14400	1942	4.0	1904	
May	1728	26100	1973	29	1955		May	994	18100	1973	12	1911	
Jun	2308	31000	1921	52	1954		Jun	1426	30800	1921	2.0	1910	
Jul	675	12600	1983	44	1955		Jul	311	12600	1983	0.0	1903	
Aug	501	9690	1951	65	1934		Aug	178	8920	1968	0.0	1903	
Sep	539	14200	1938	62	1940		Sep	284	7130	1938	2.0	1902	
Oct	667	6180	1984	66	1954		Oct	299	3130	1984	4.2	1903	
*Period of record 1902-2021							*Period of record 1902-2021						

South Platte River Monthly Stream Flow (cfs) Statistics

South Platte River at Kersey

Irrigation Year

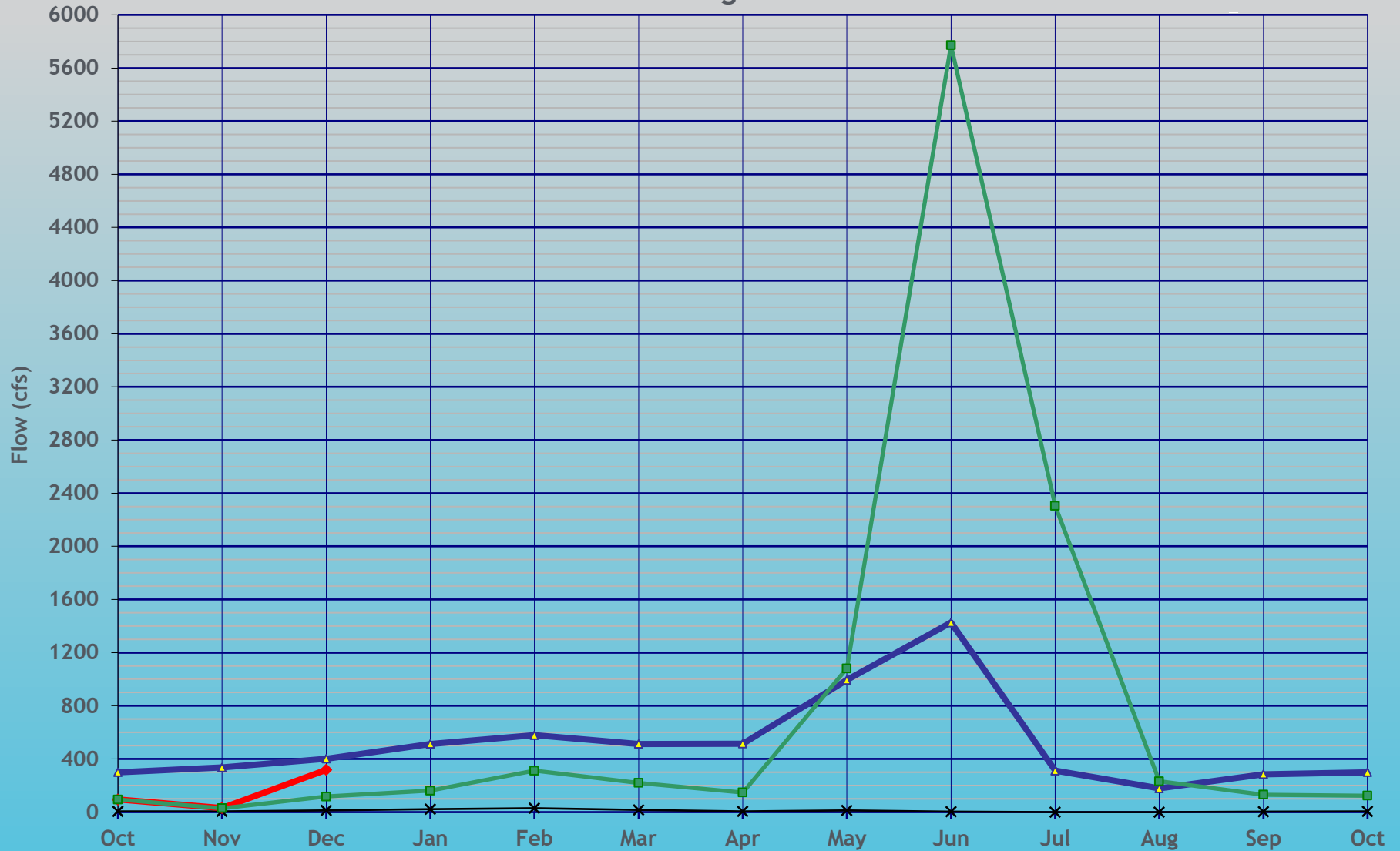


—▲— Historic* Mean Flow —×— Historic* Min Flow —◆— 2023-2024 Mean Flow —■— 2022-2023 Mean Flow

*1901-2021

South Platte River at Julesburg

Irrigation Year



Historic* Mean Flow Historic* Min Flow 2023-2024 Mean Flow 2022-2023 Mean Flow

*1901-2021

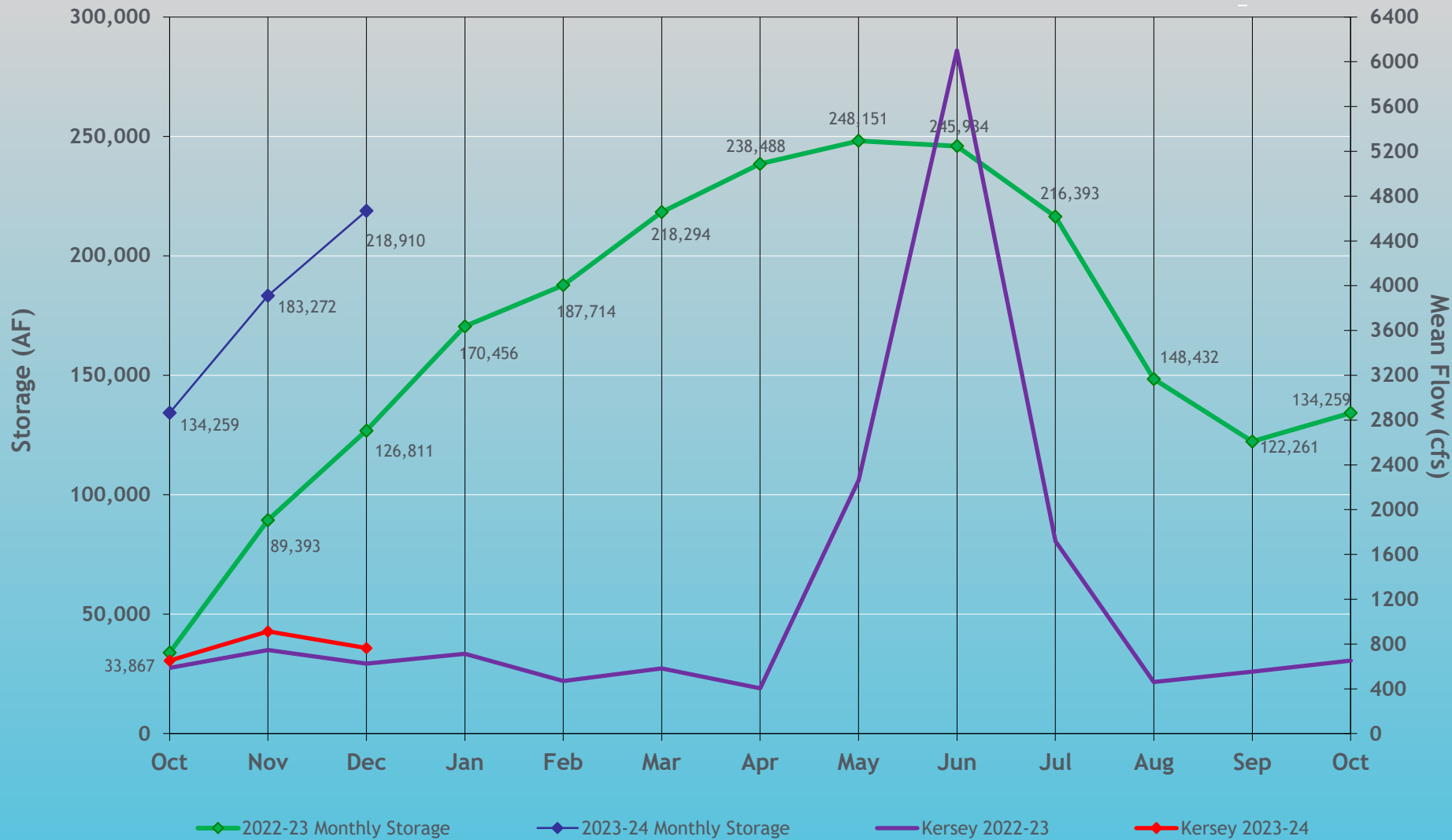


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Reservoir Storage below Kersey

Selected Reservoirs*

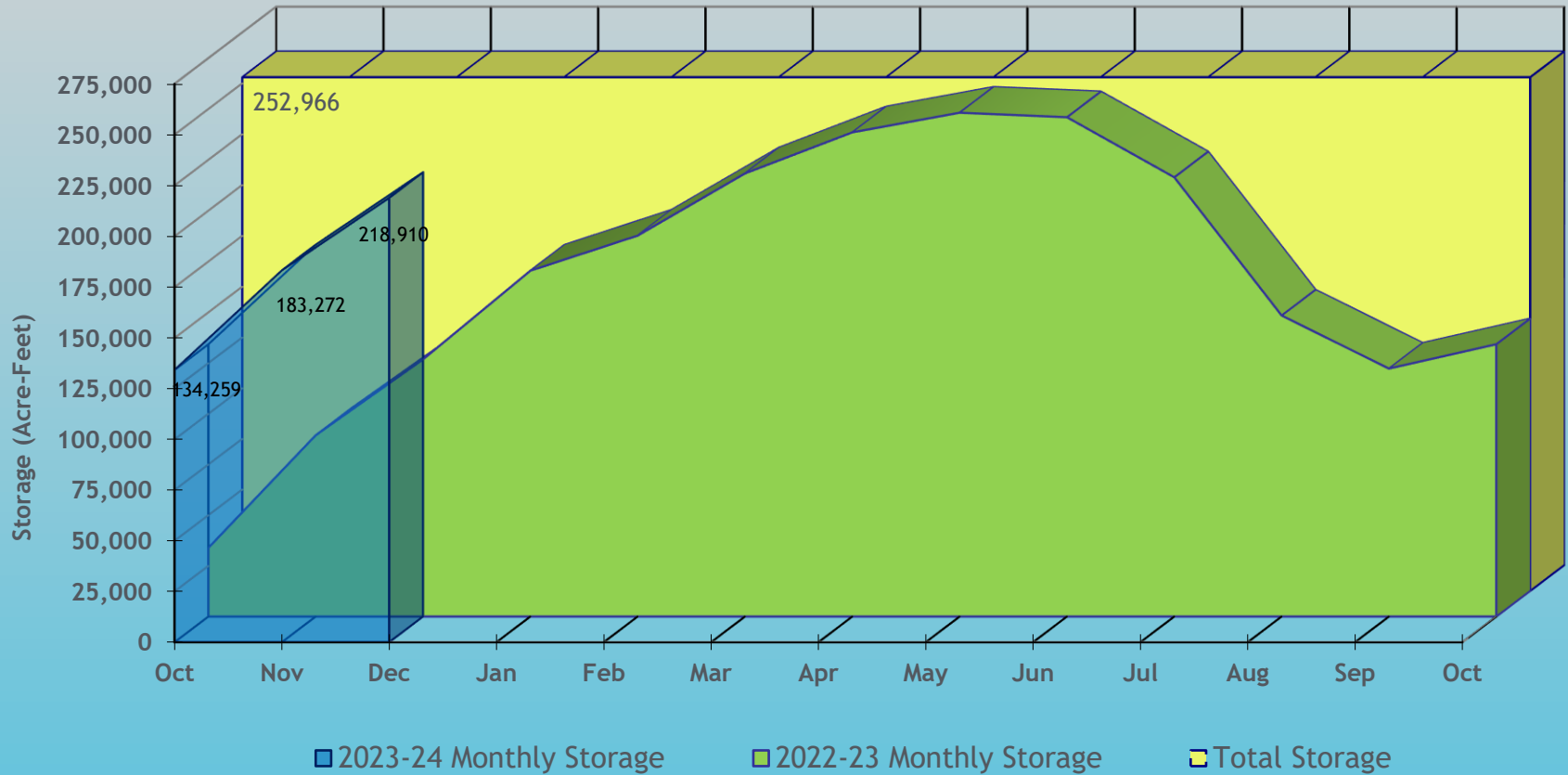


*Empire, Riverside, Jackson, Prewitt, North Sterling, & Julesburg



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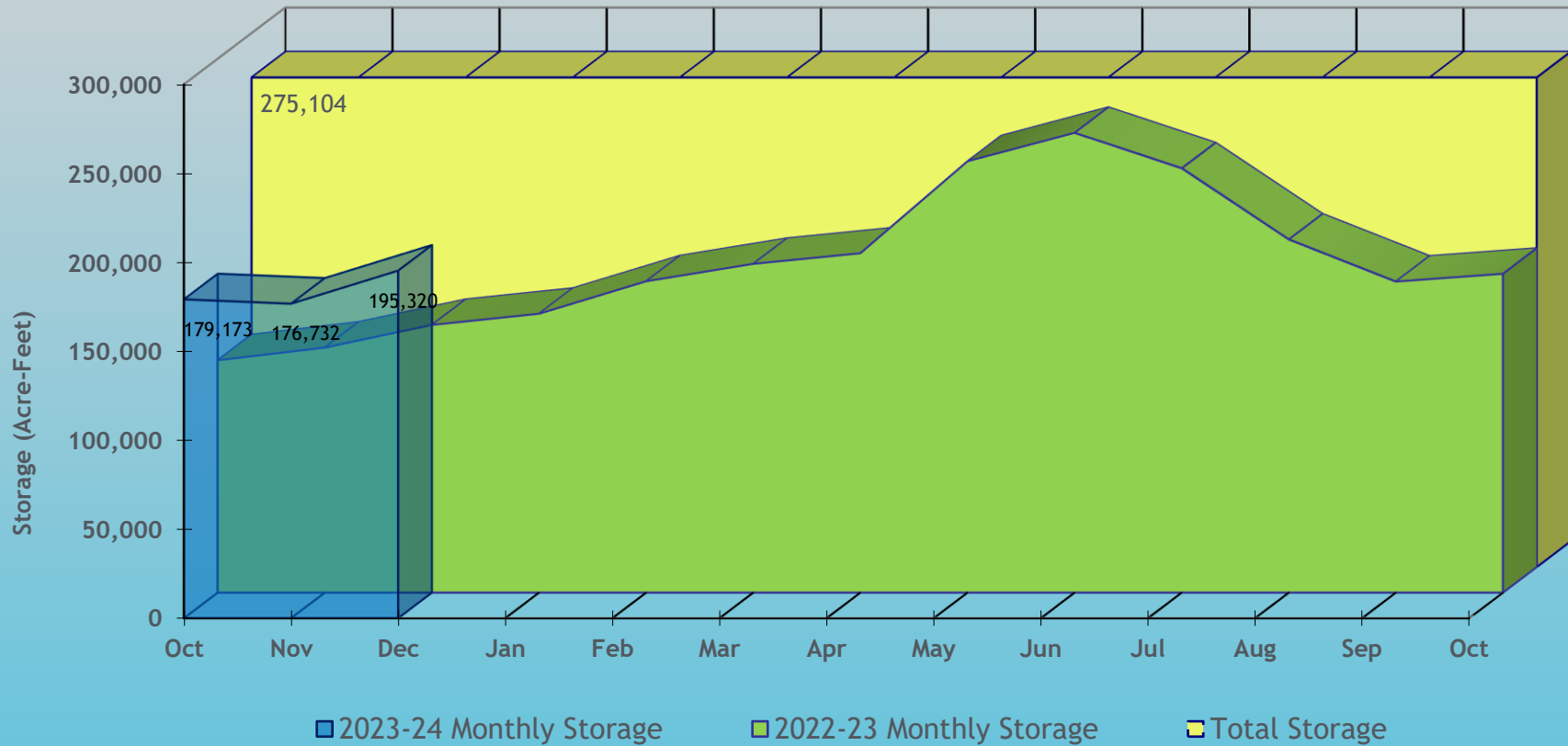
South Platte Reservoir Storage below Kersey*



*Empire, Riverside, Jackson, Prewitt, North Sterling, & Julesburg



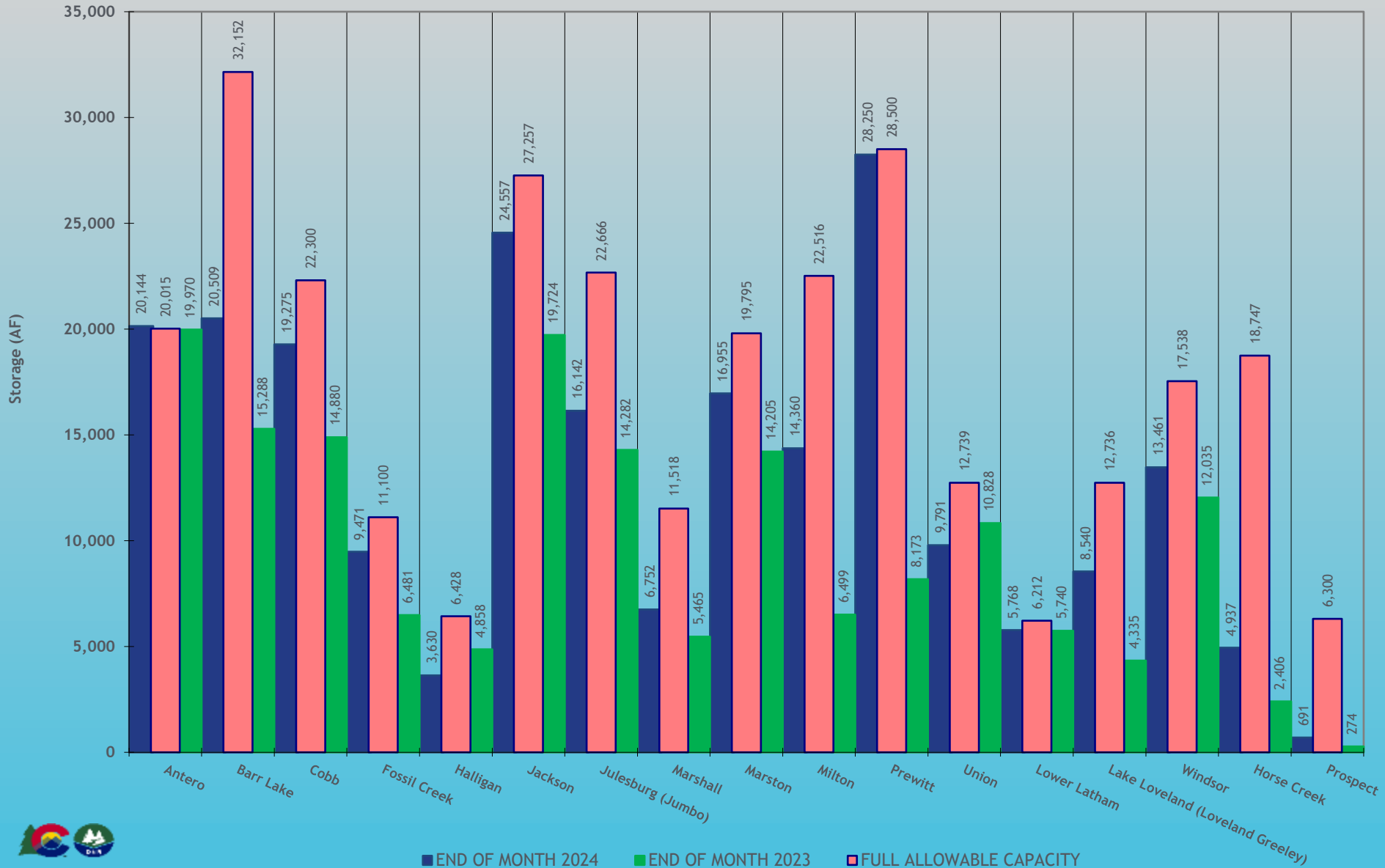
South Platte Reservoir Storage above Kersey*



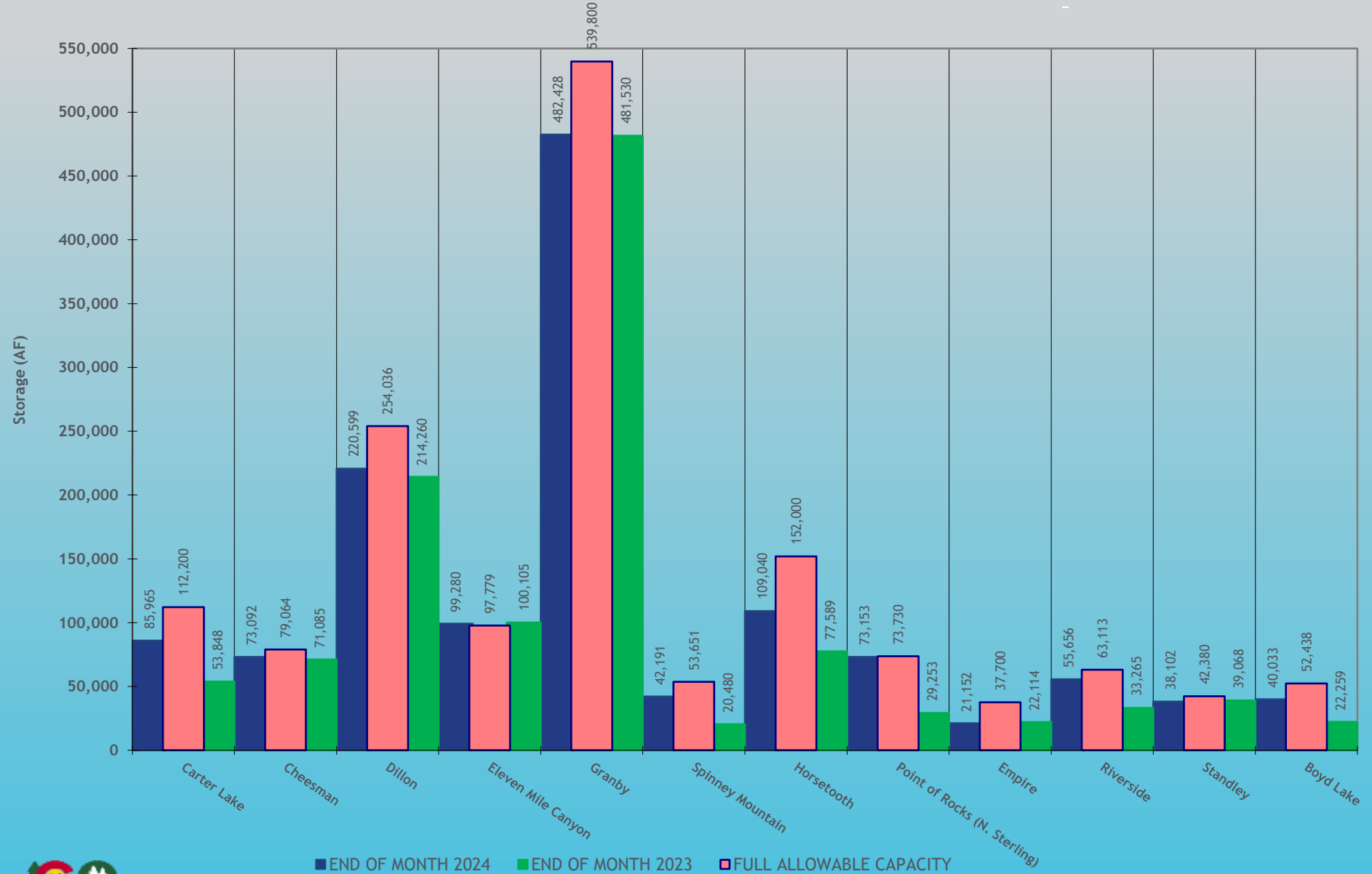
*Barr, Cobb, Fossil Crk, Halligan, Marshall, Milton, Union, Standley, Lower Latham, Boyd, Loveland, Windsor, Horse Crk, & Prospect



December Reservoir Change in Storage IY2023 versus IY2024

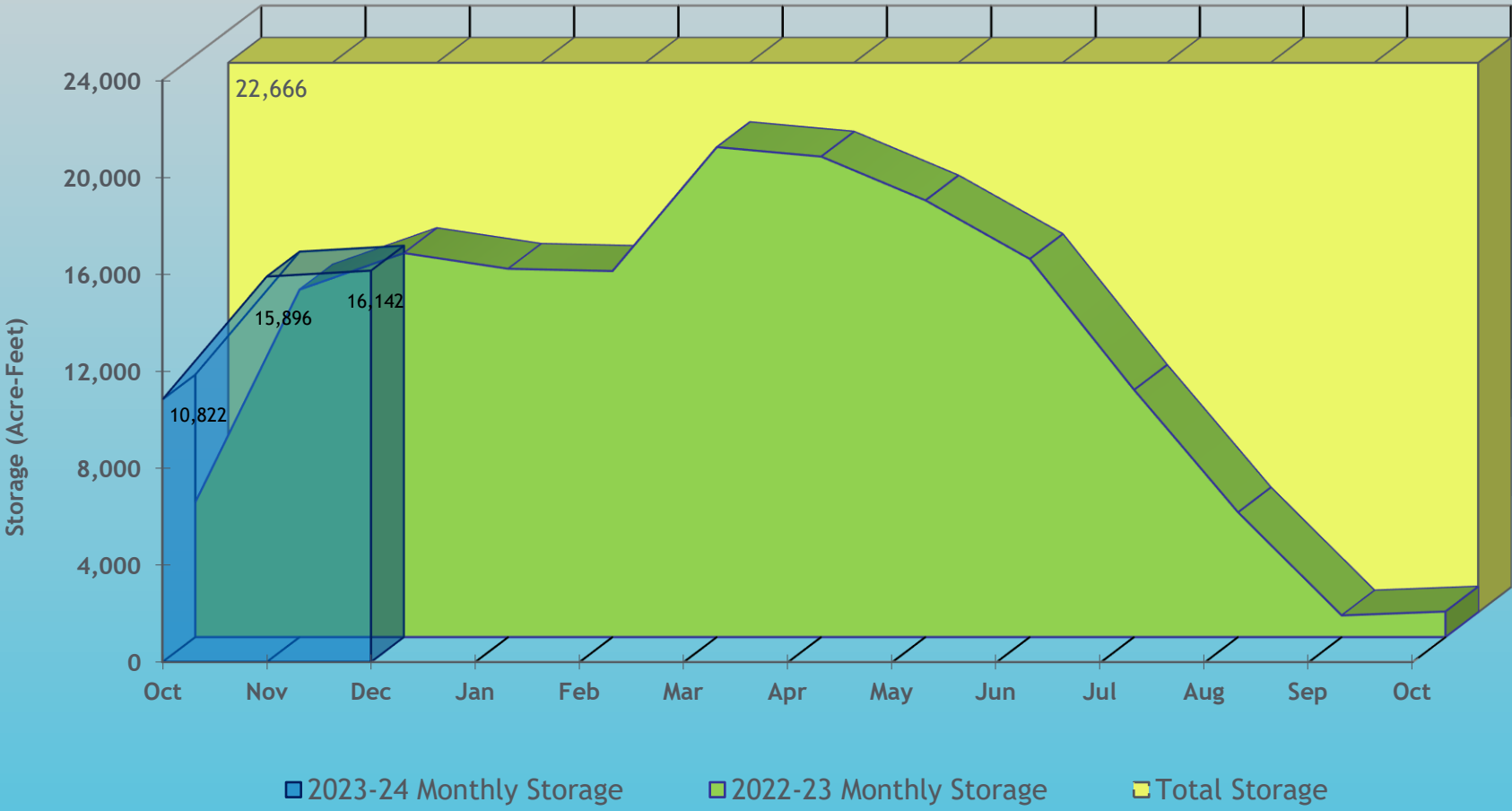


December Reservoir Change in Storage IY2023 versus IY2024

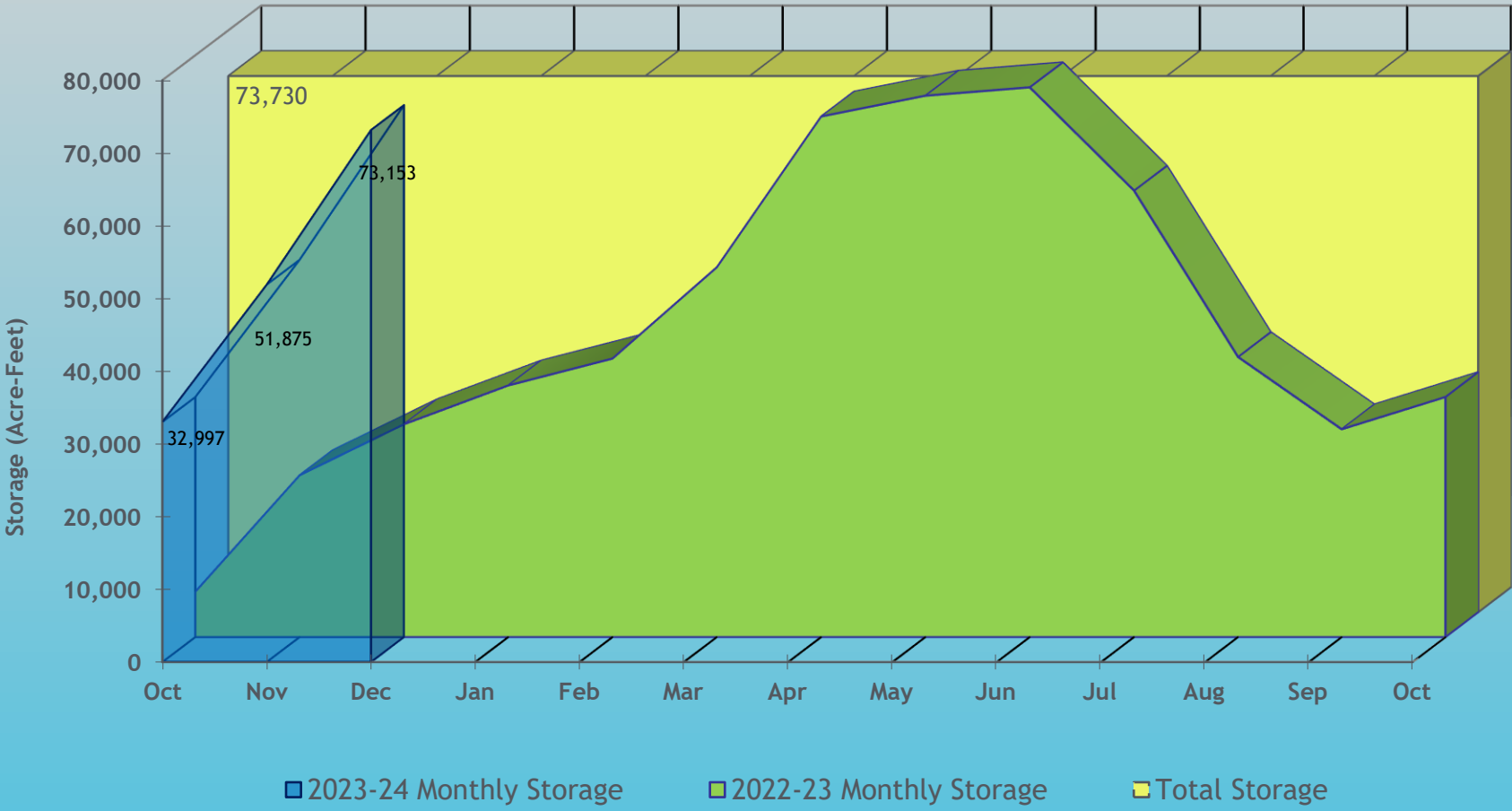


■ END OF MONTH 2024 ■ END OF MONTH 2023 ■ FULL ALLOWABLE CAPACITY

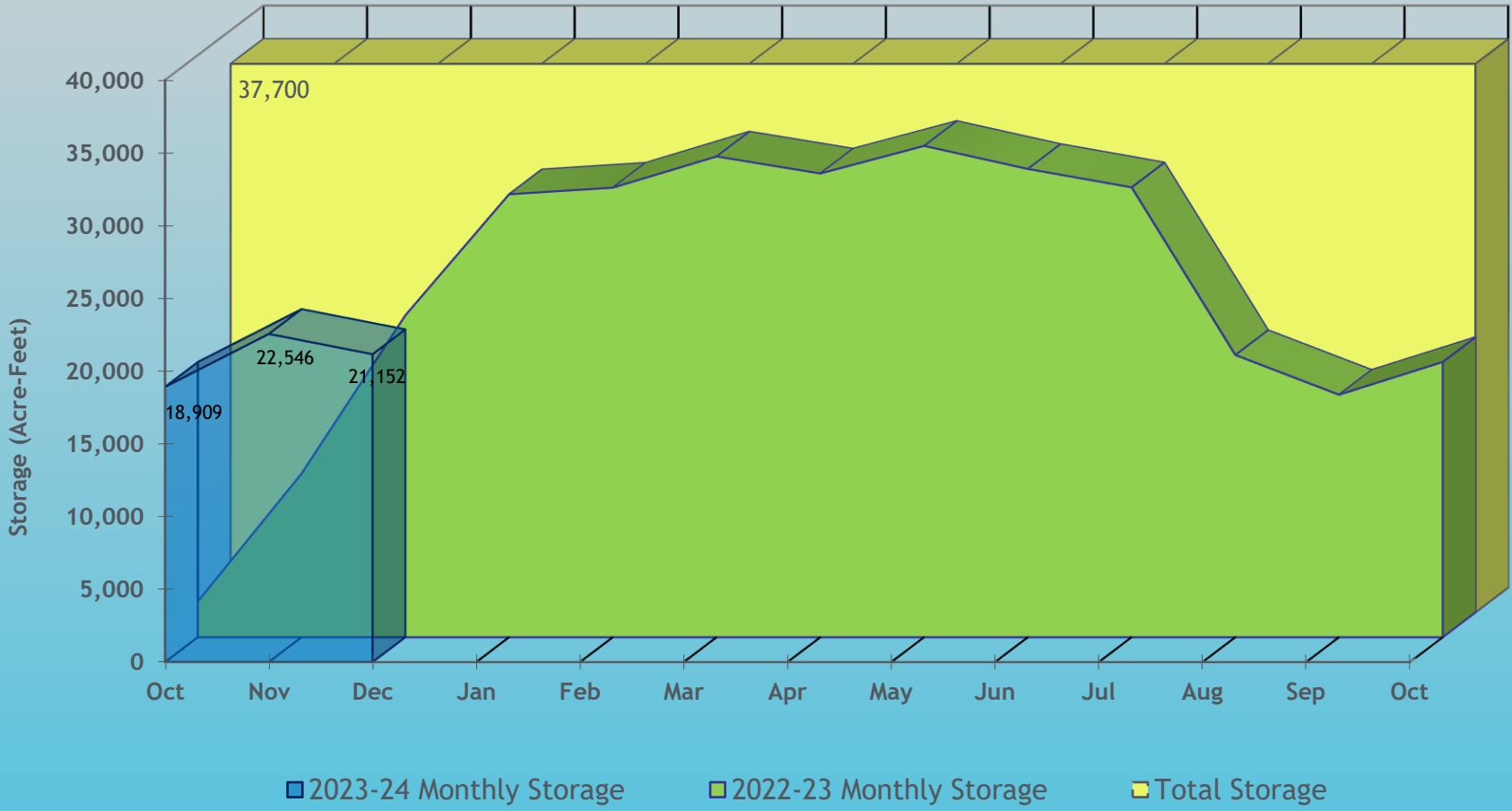
Julesburg Reservoir (District 64 - Agricultural)



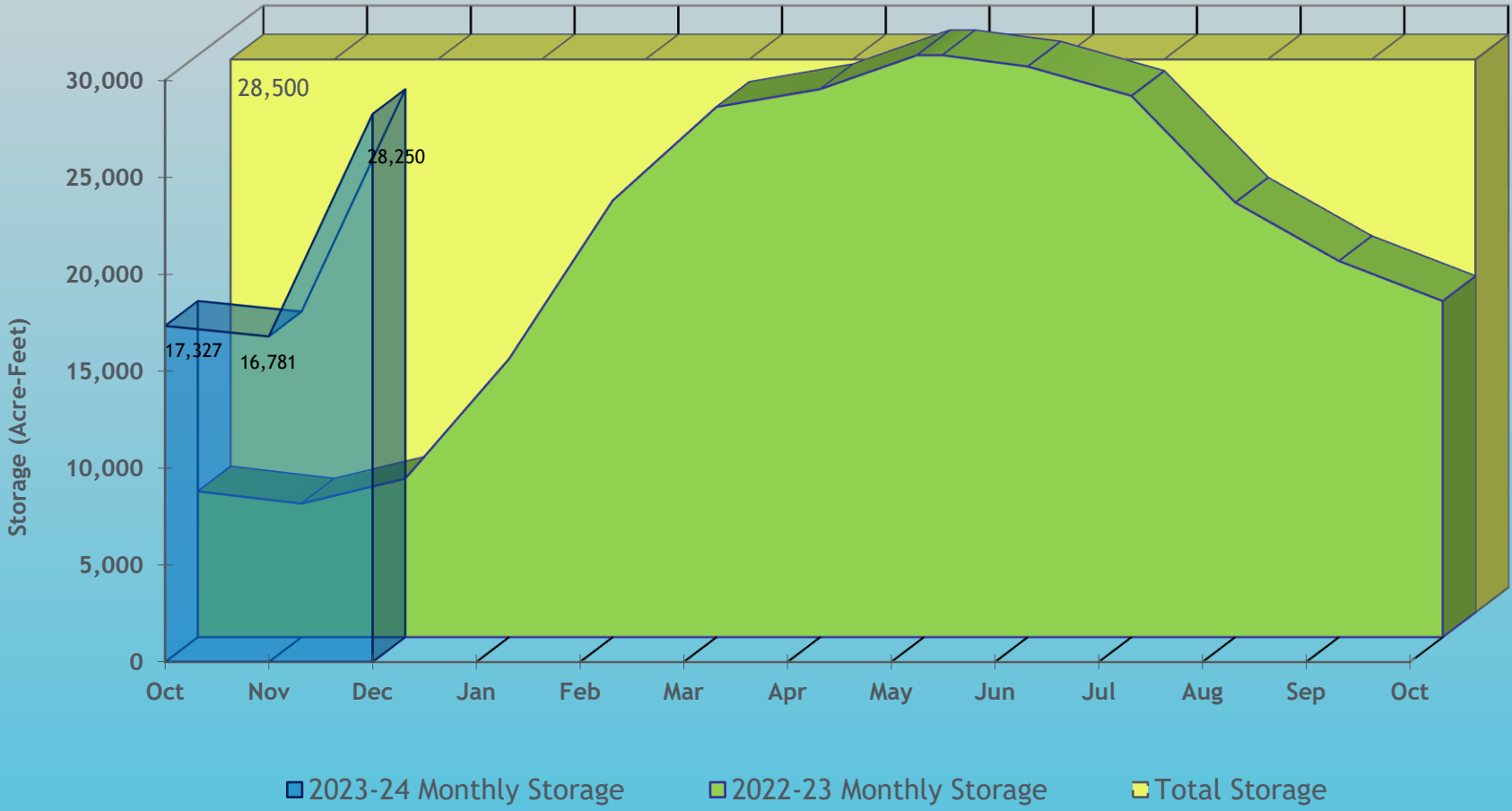
North Sterling Reservoir (District 64 - Agricultural)



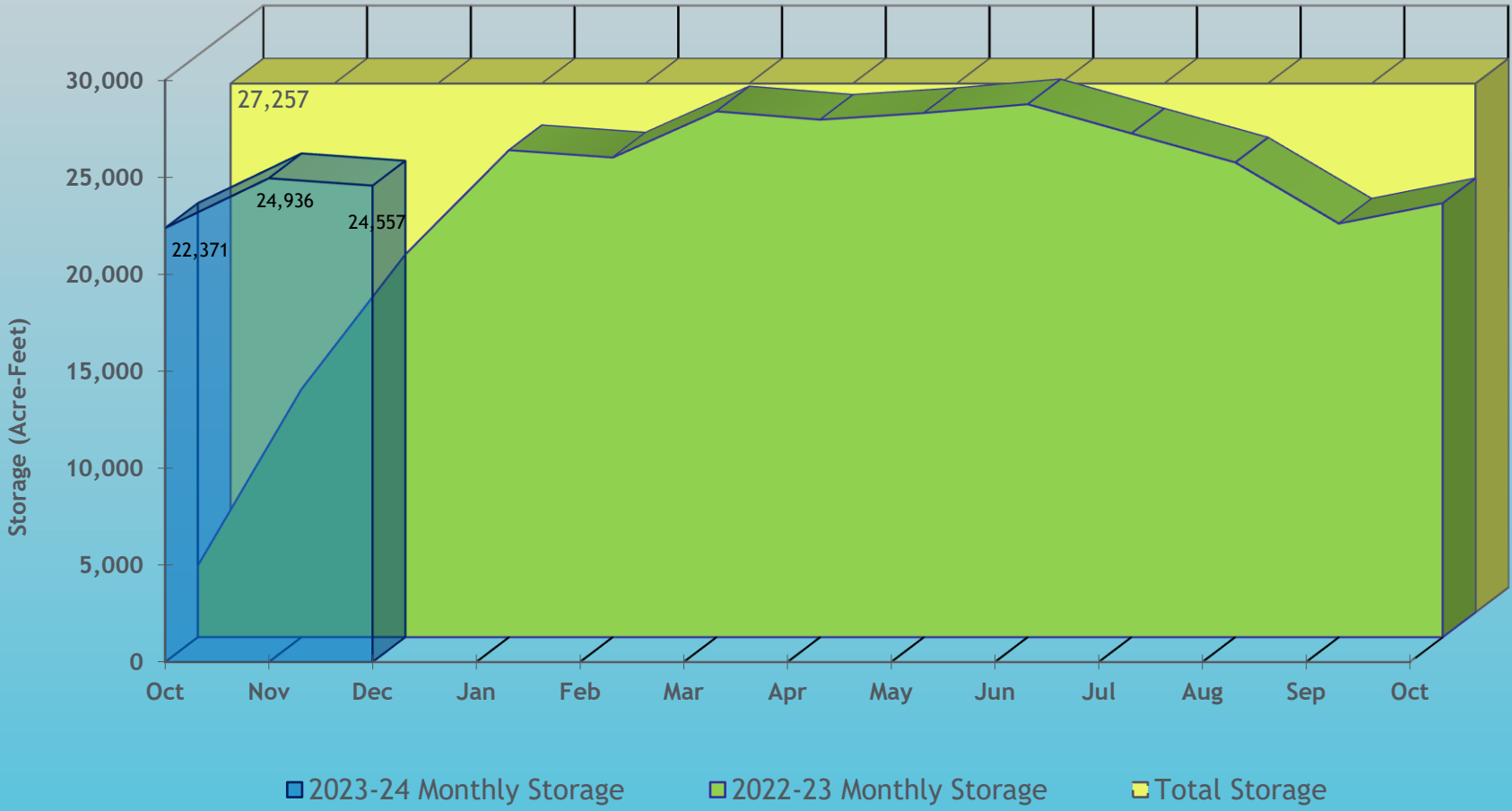
Empire Reservoir (District 1 - Agricultural)



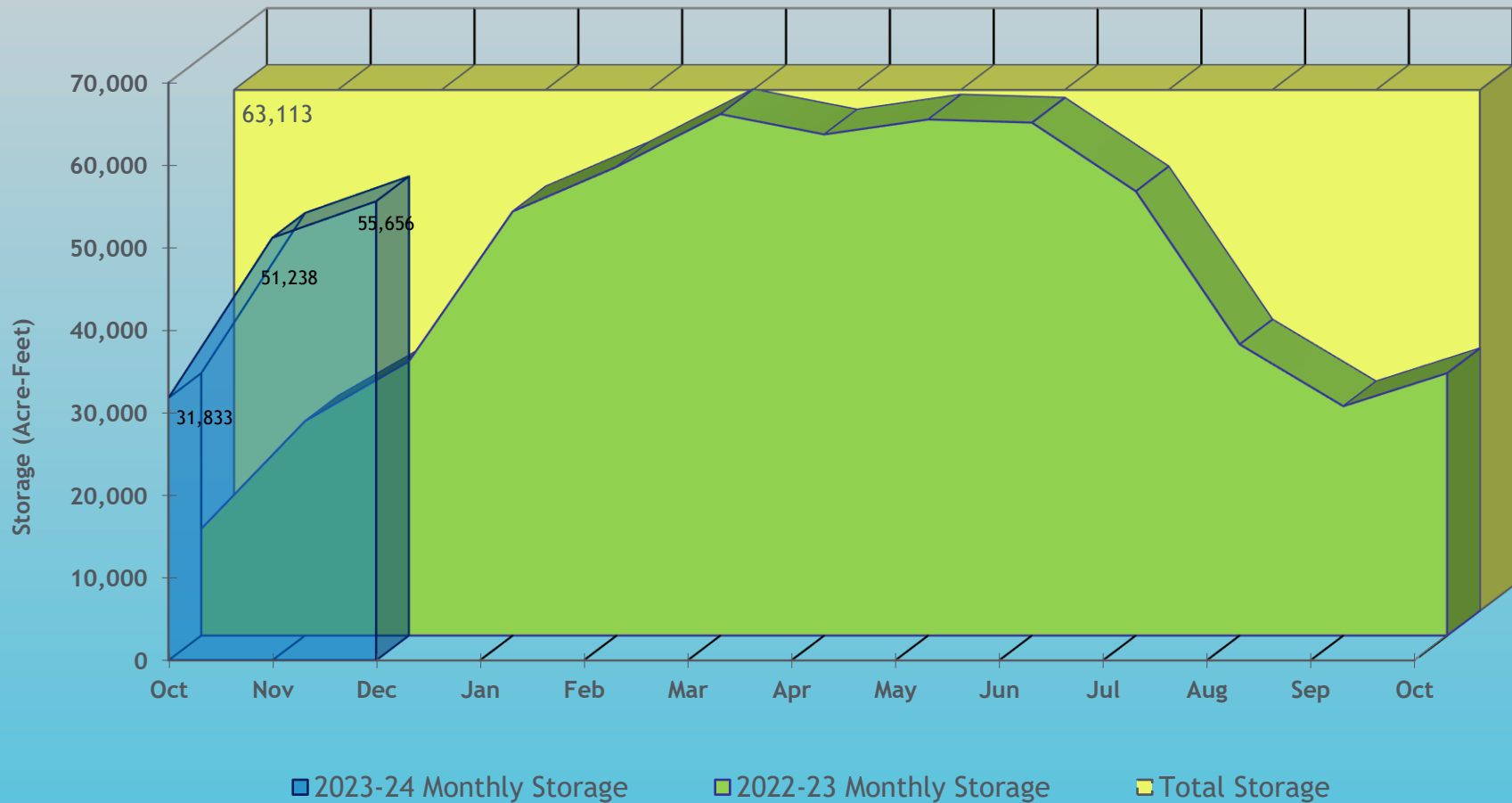
Prewitt Reservoir (District 64 - Agricultural)



Jackson Reservoir (District 1 - Agricultural)



Riverside Reservoir (District 1 - Agricultural)

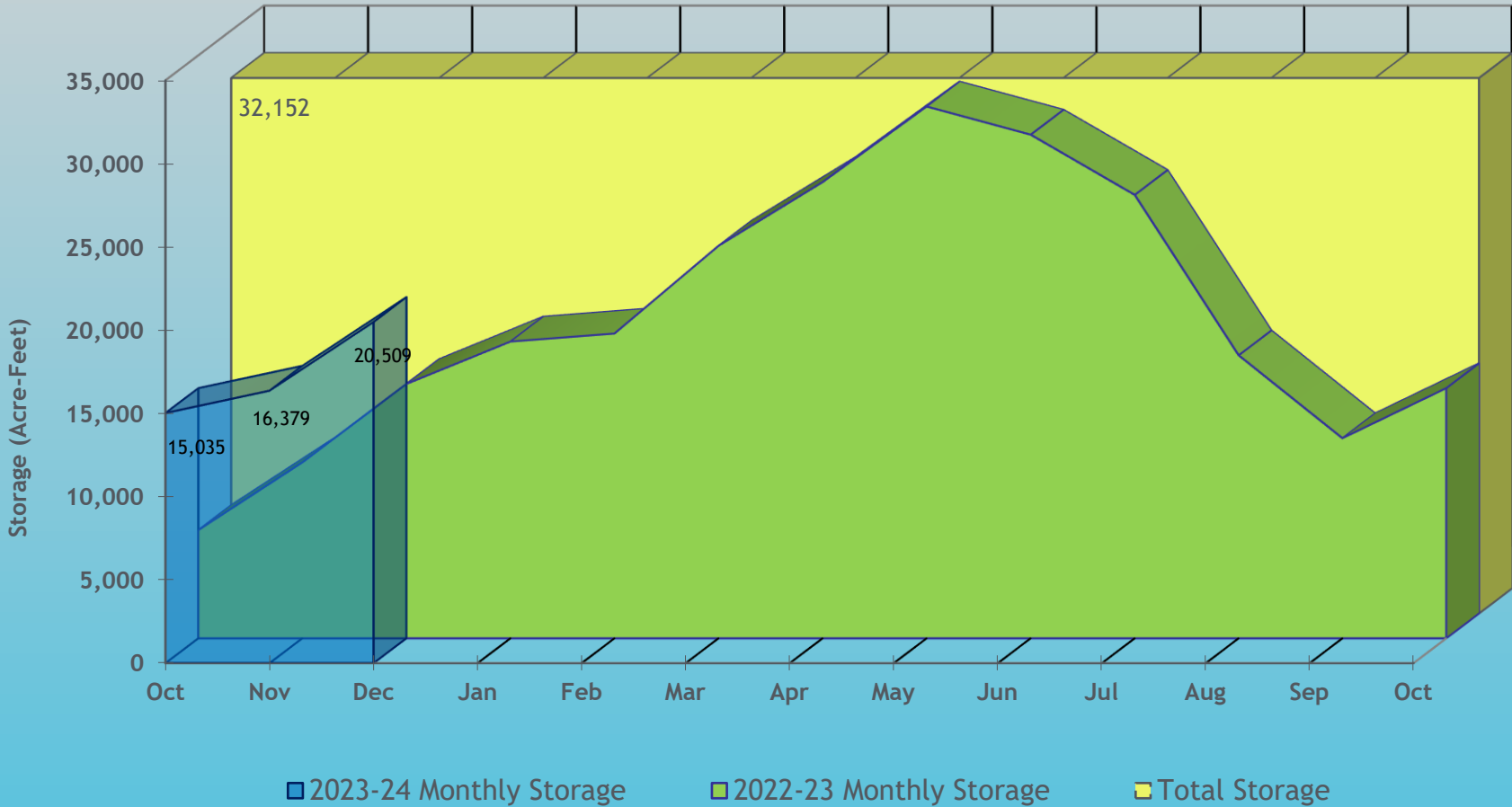


■ 2023-24 Monthly Storage

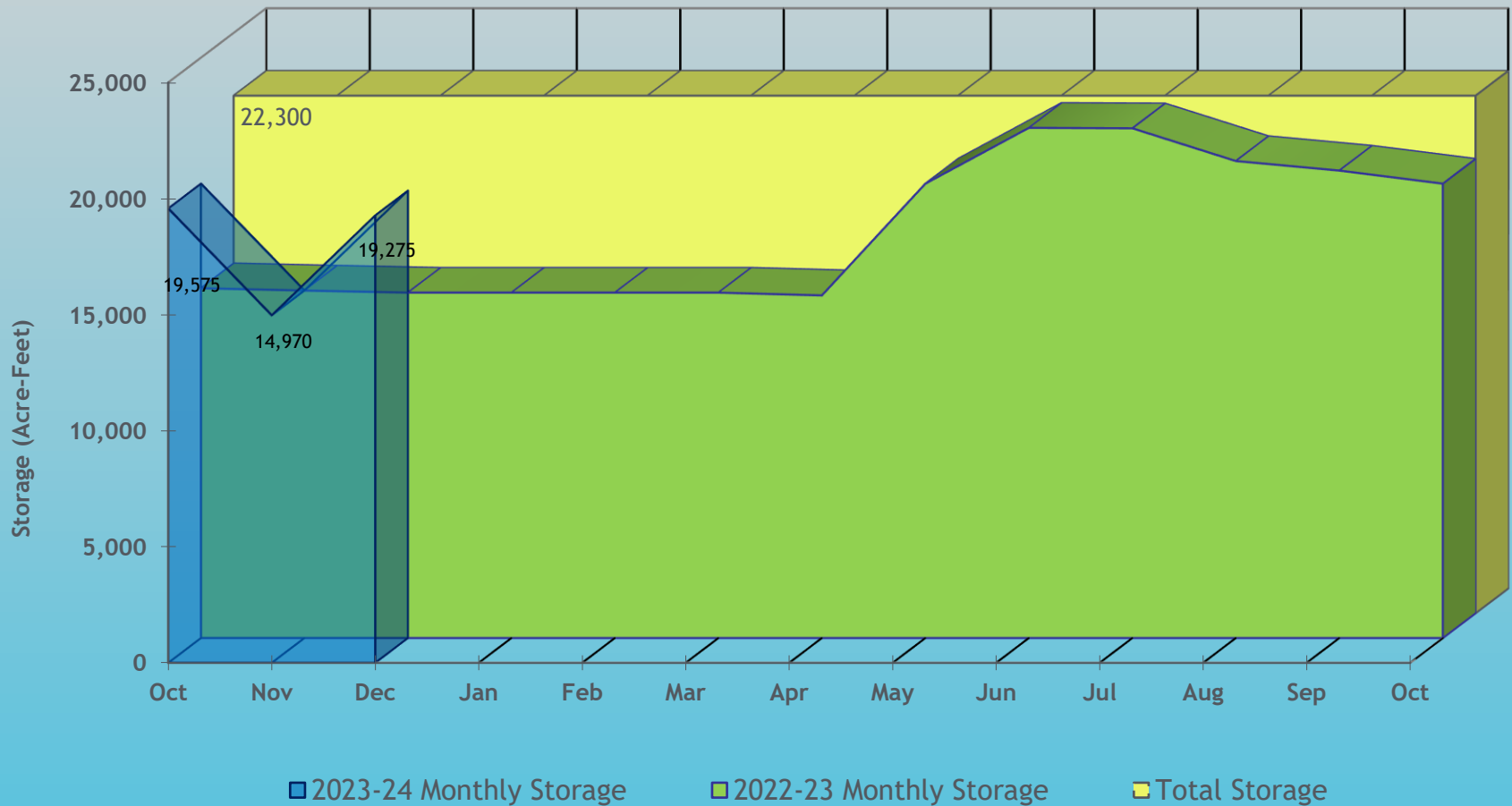
■ 2022-23 Monthly Storage

■ Total Storage

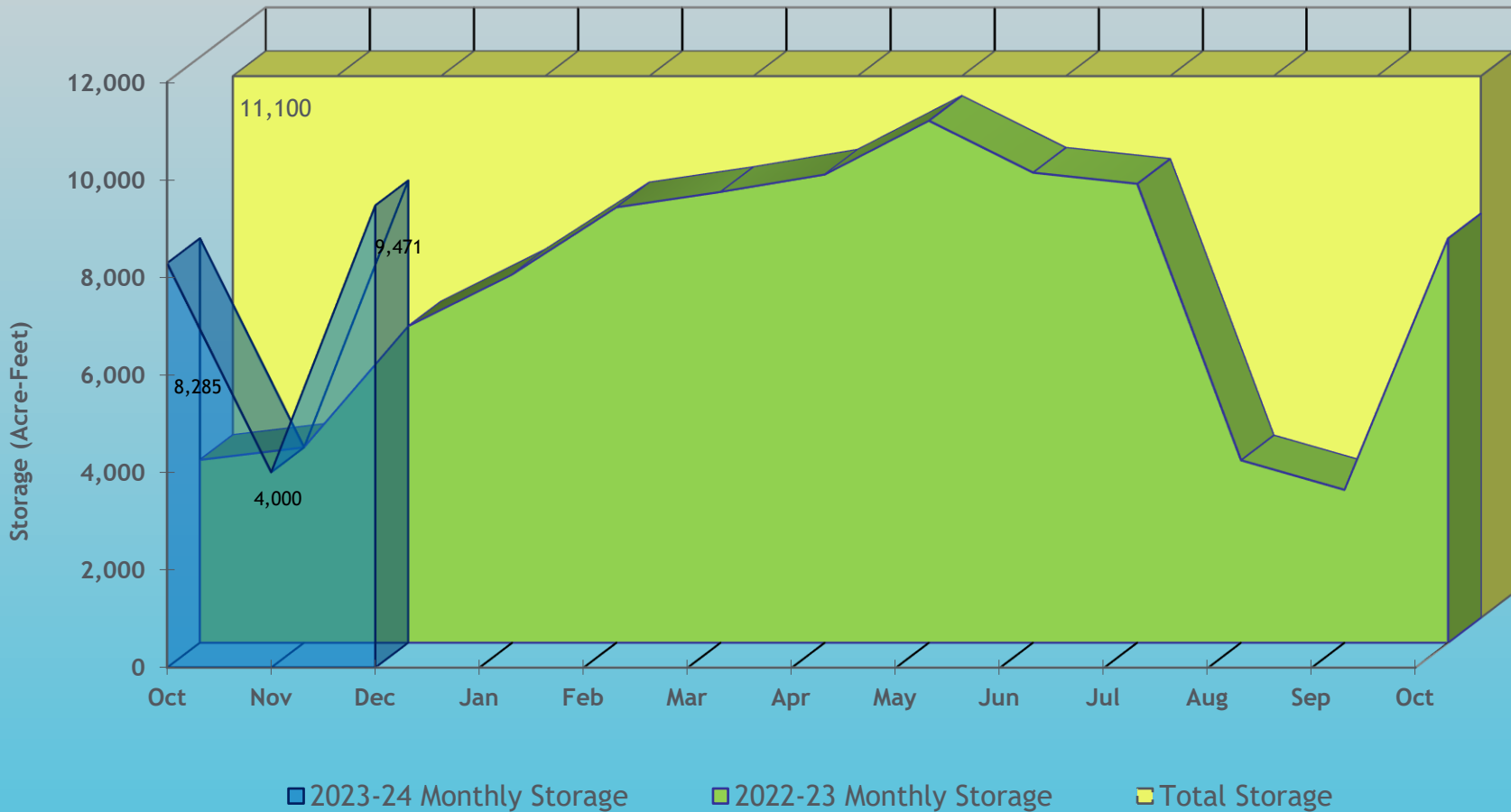
Barr Reservoir (District 2 - Agricultural)



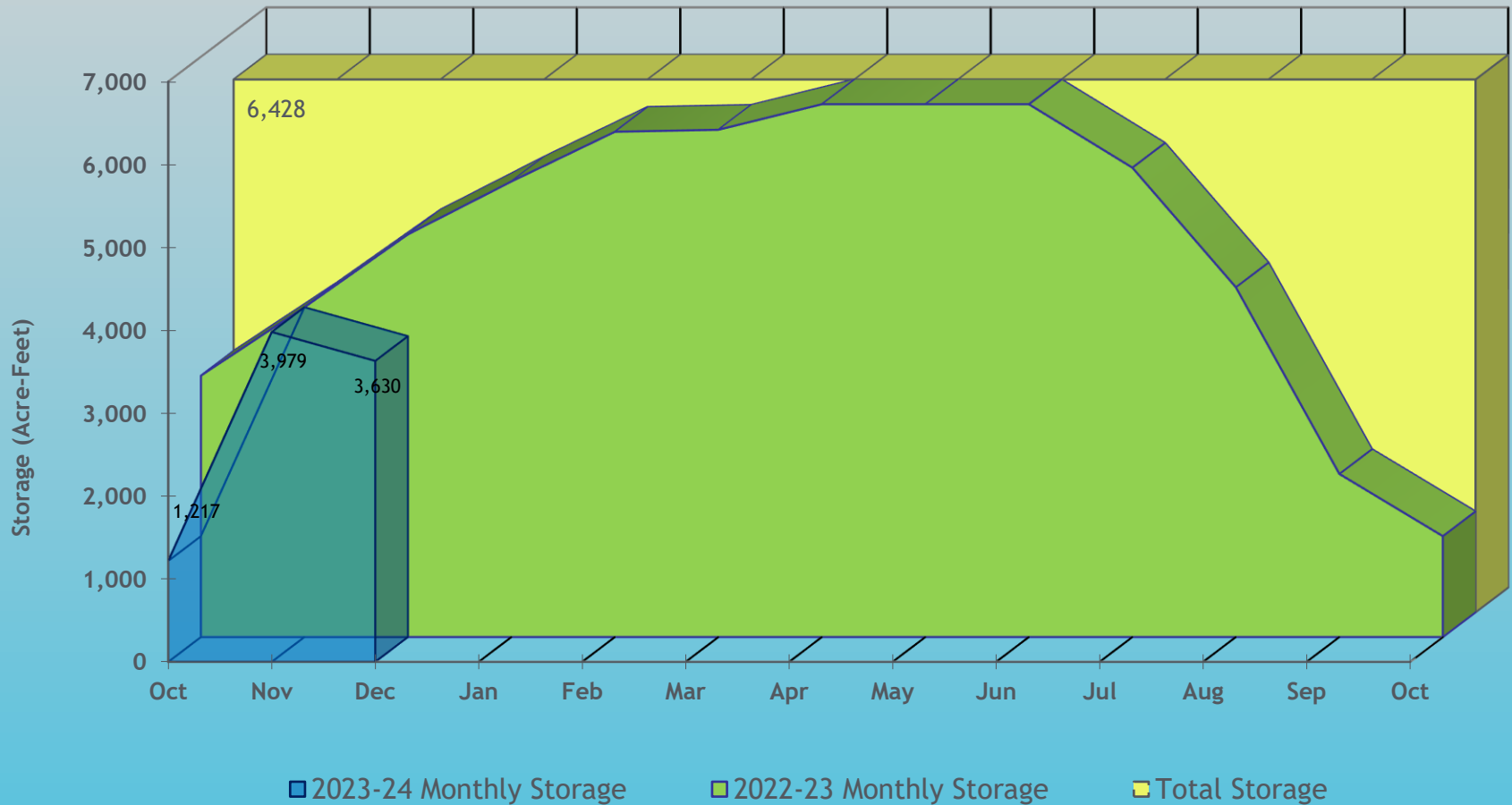
Cobb Reservoir (District 3, Poudre River - Agricultural)



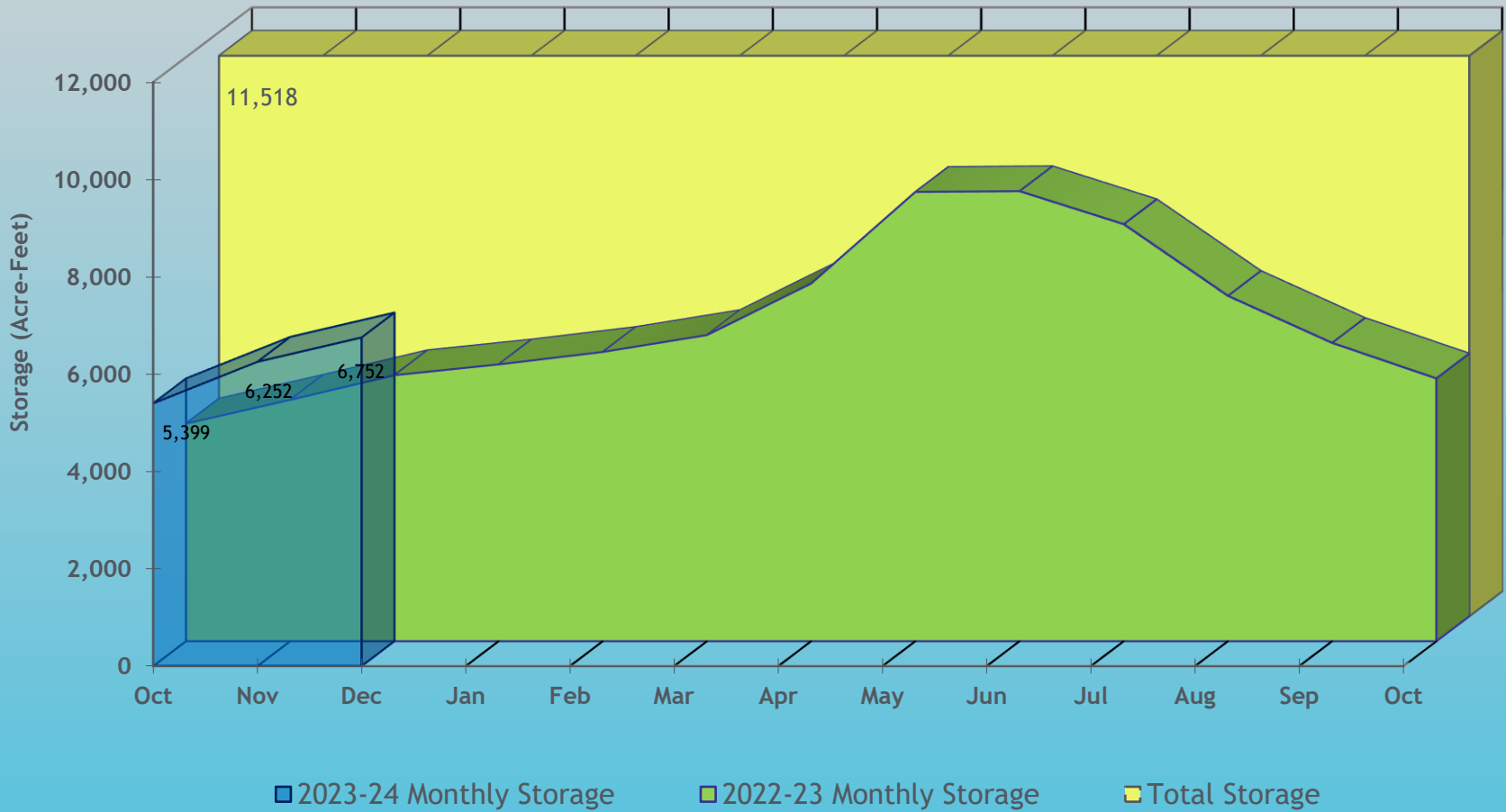
Fossil Creek Reservoir (District 3, Poudre River - Agricultural)



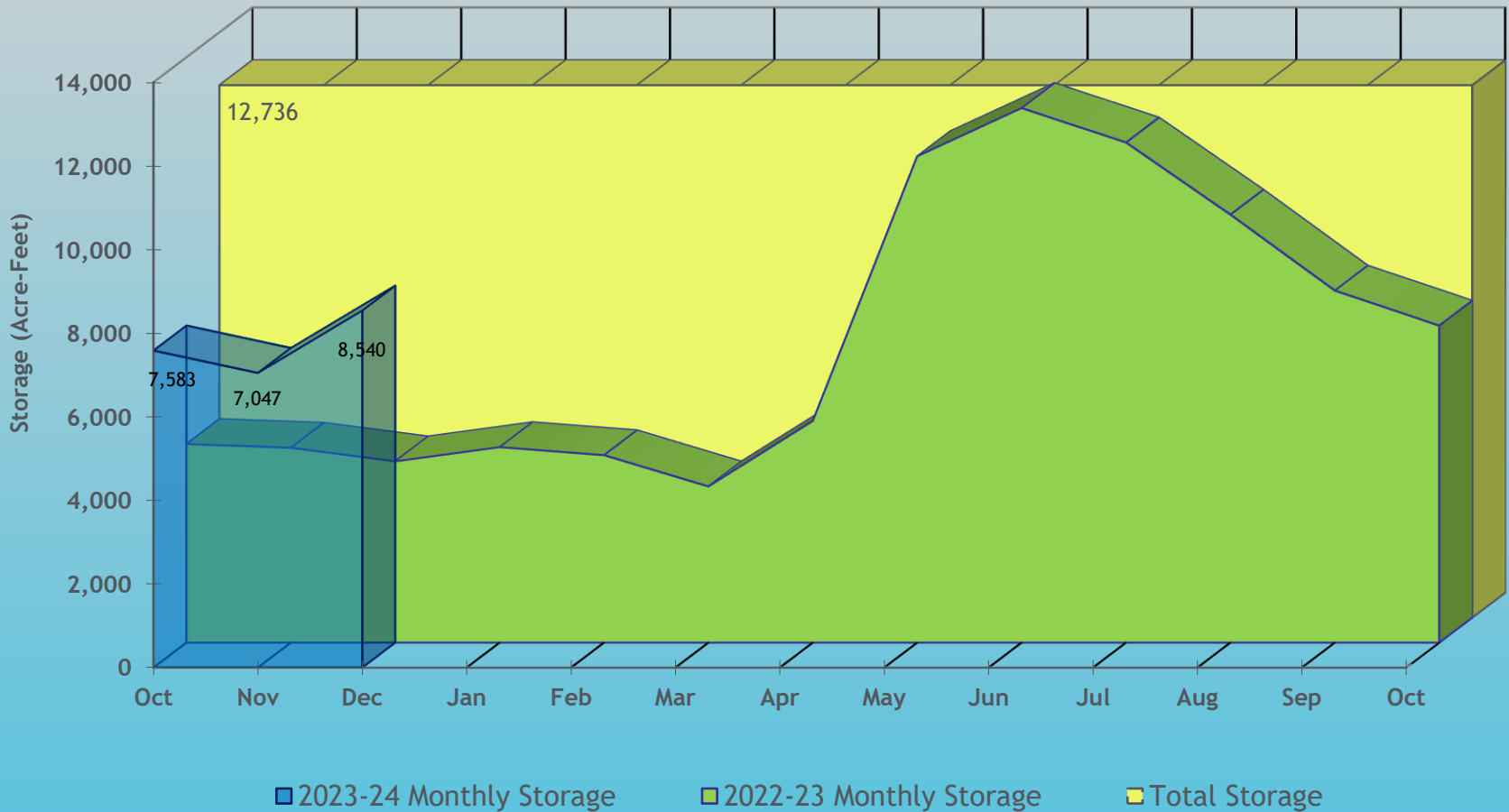
Halligan Reservoir (District 3, Poudre River - Agricultural)



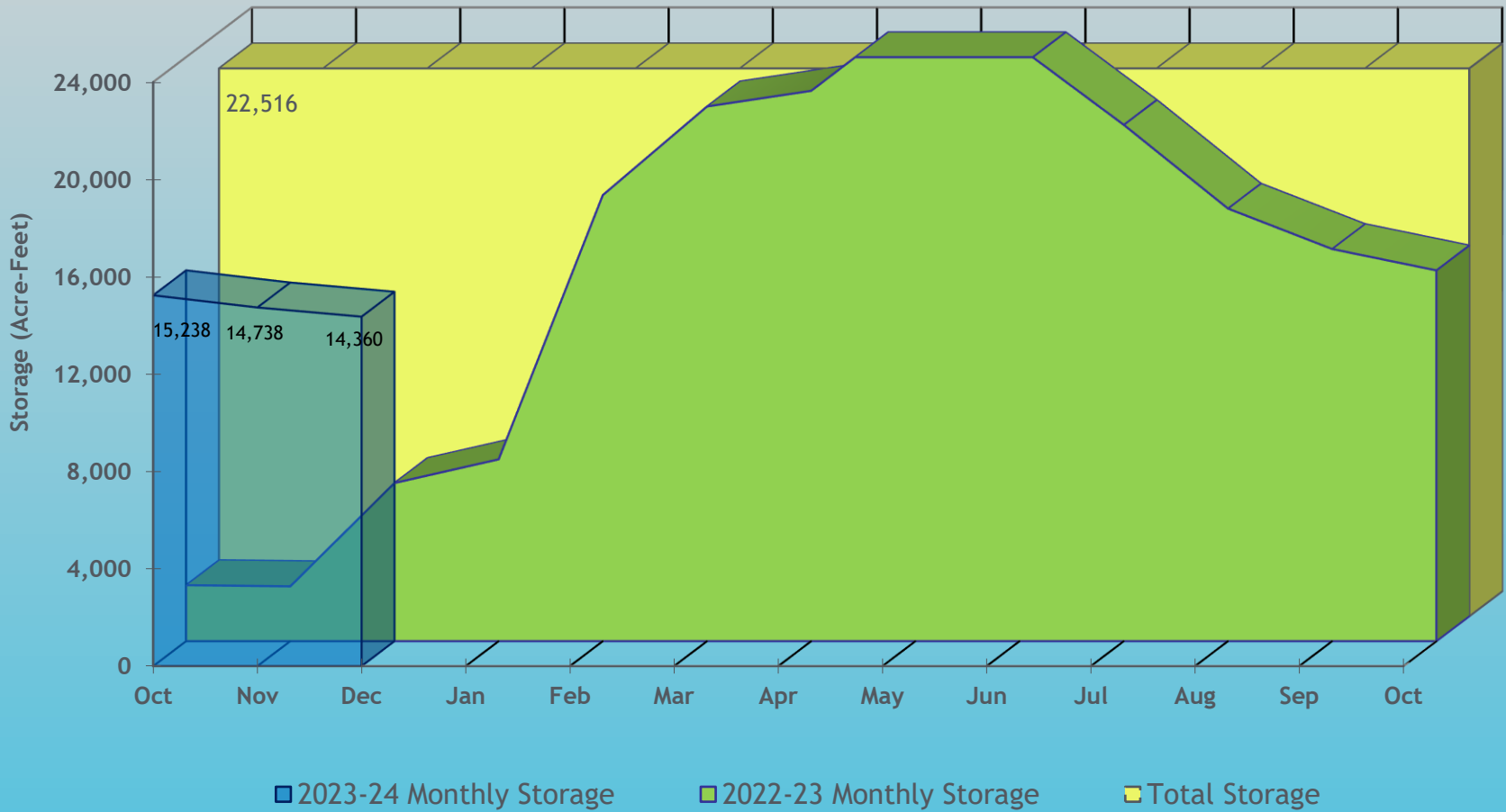
Marshall Lake (District 6, Boulder Creek - Agricultural)



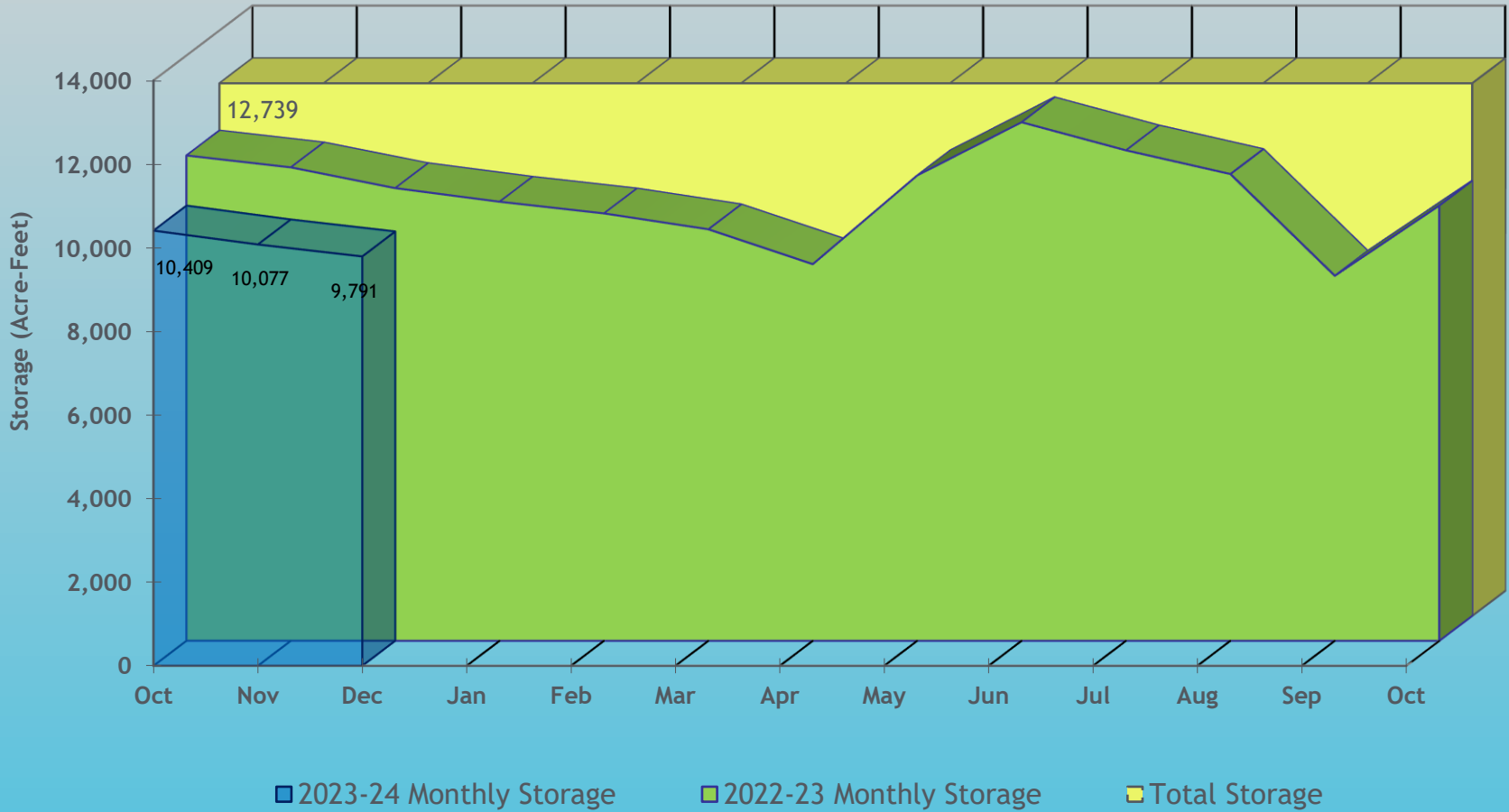
Loveland Greeley Reservoir (District 4, Big Thompson River - Agricultural)



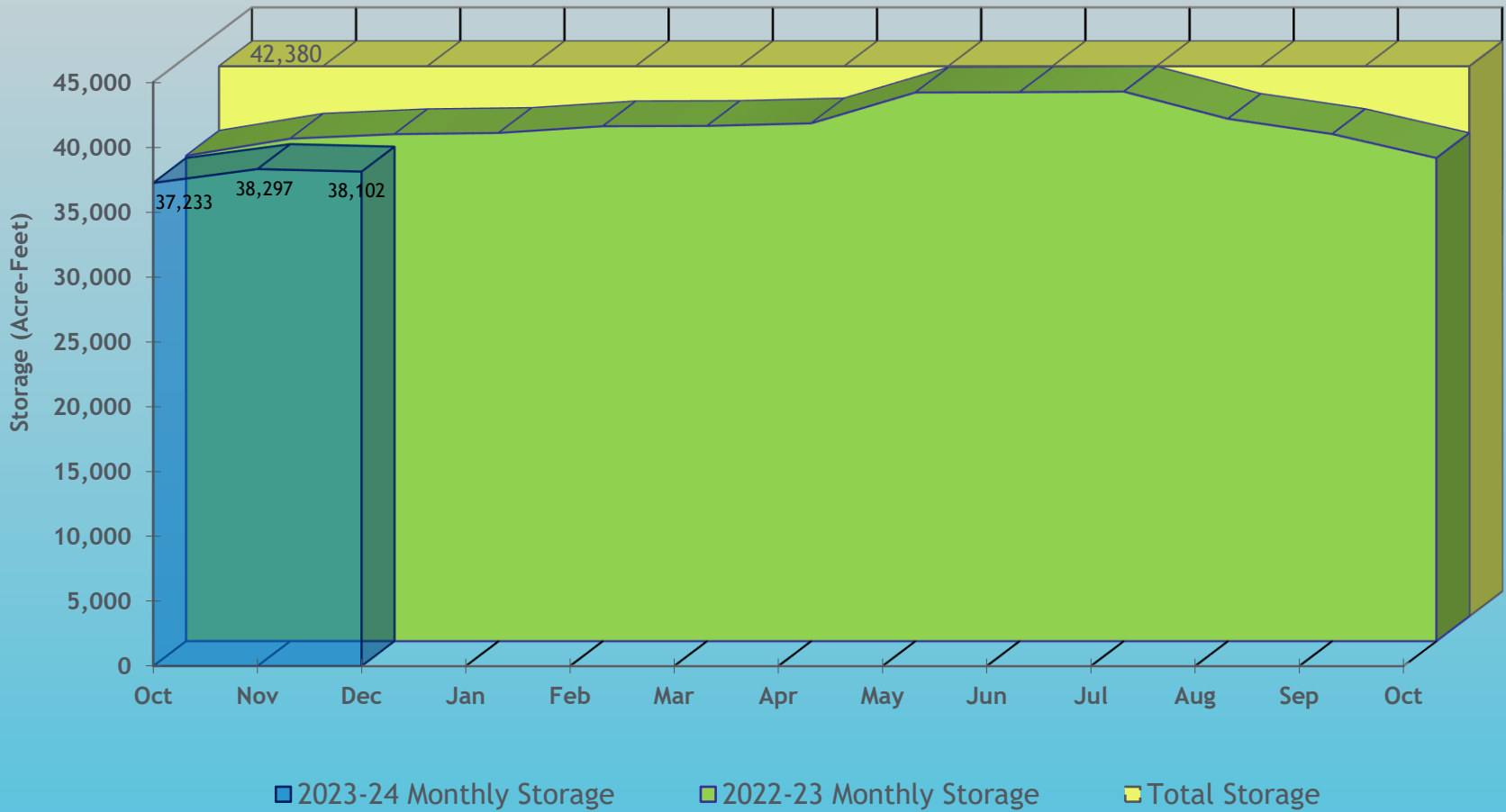
Milton Reservoir (District 2 - Agricultural)



Union Reservoir (District 5, St. Vrain Creek - Agricultural)



Standley Lake (Agricultural)

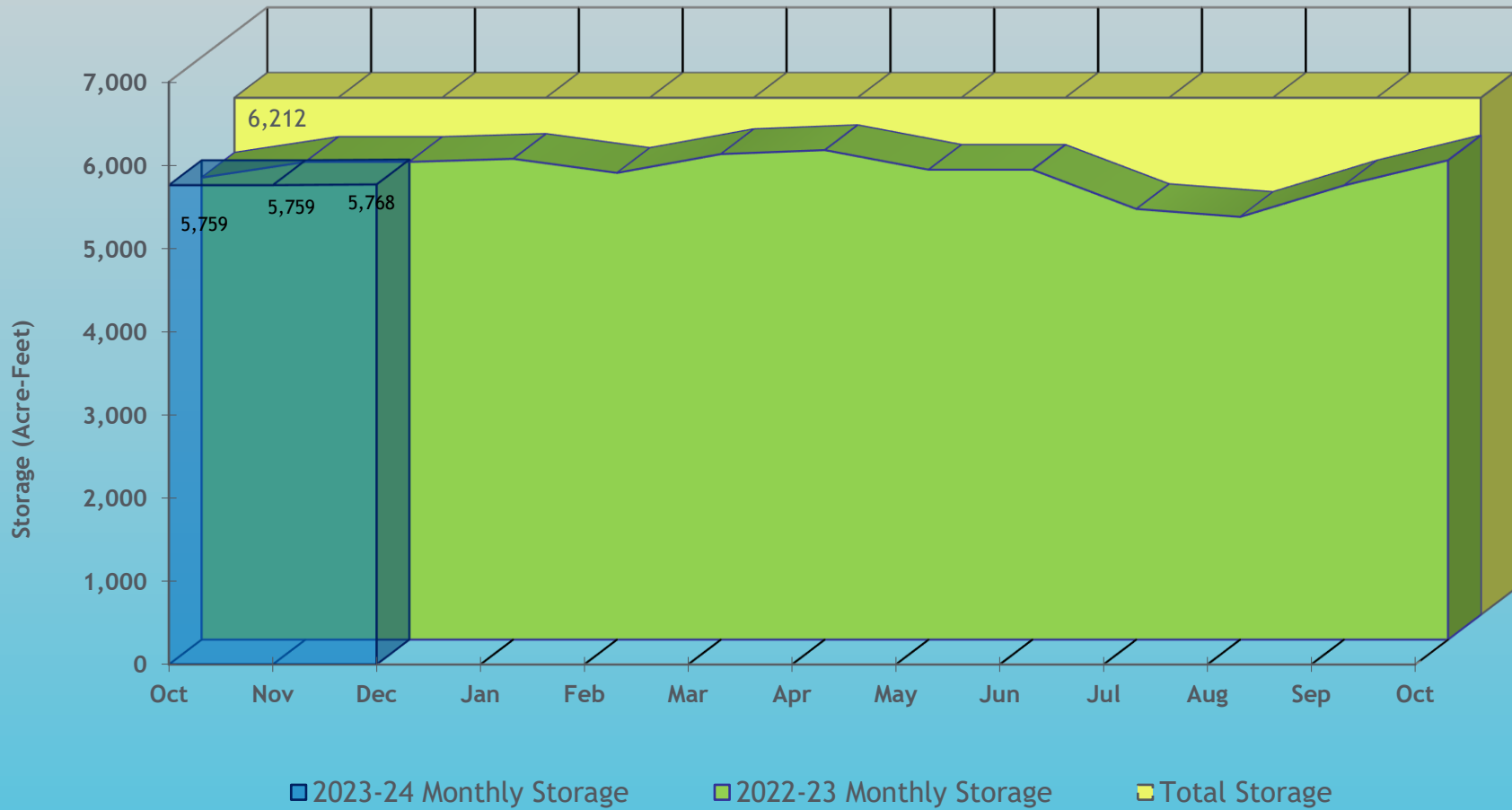


■ 2023-24 Monthly Storage

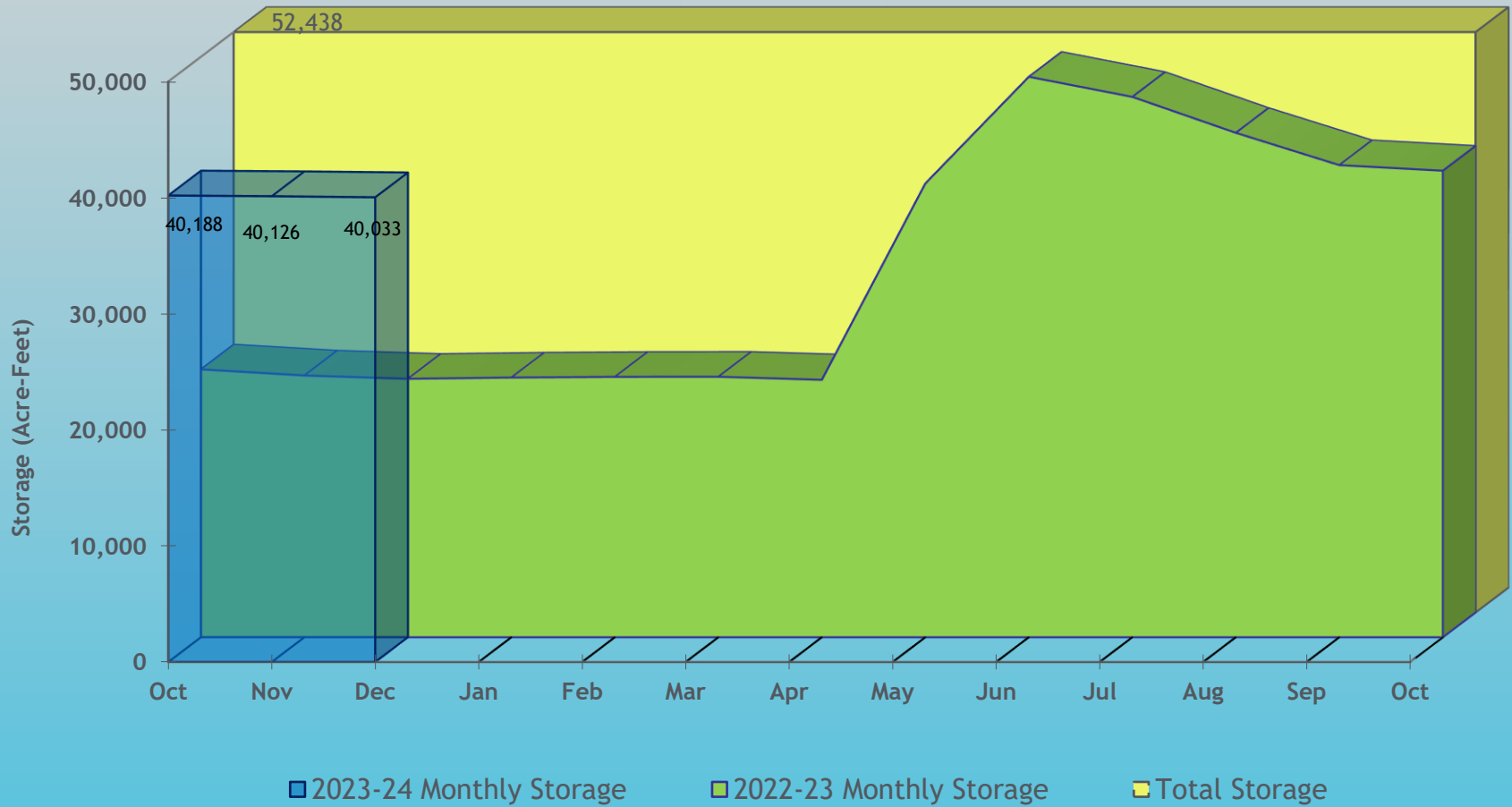
■ 2022-23 Monthly Storage

■ Total Storage

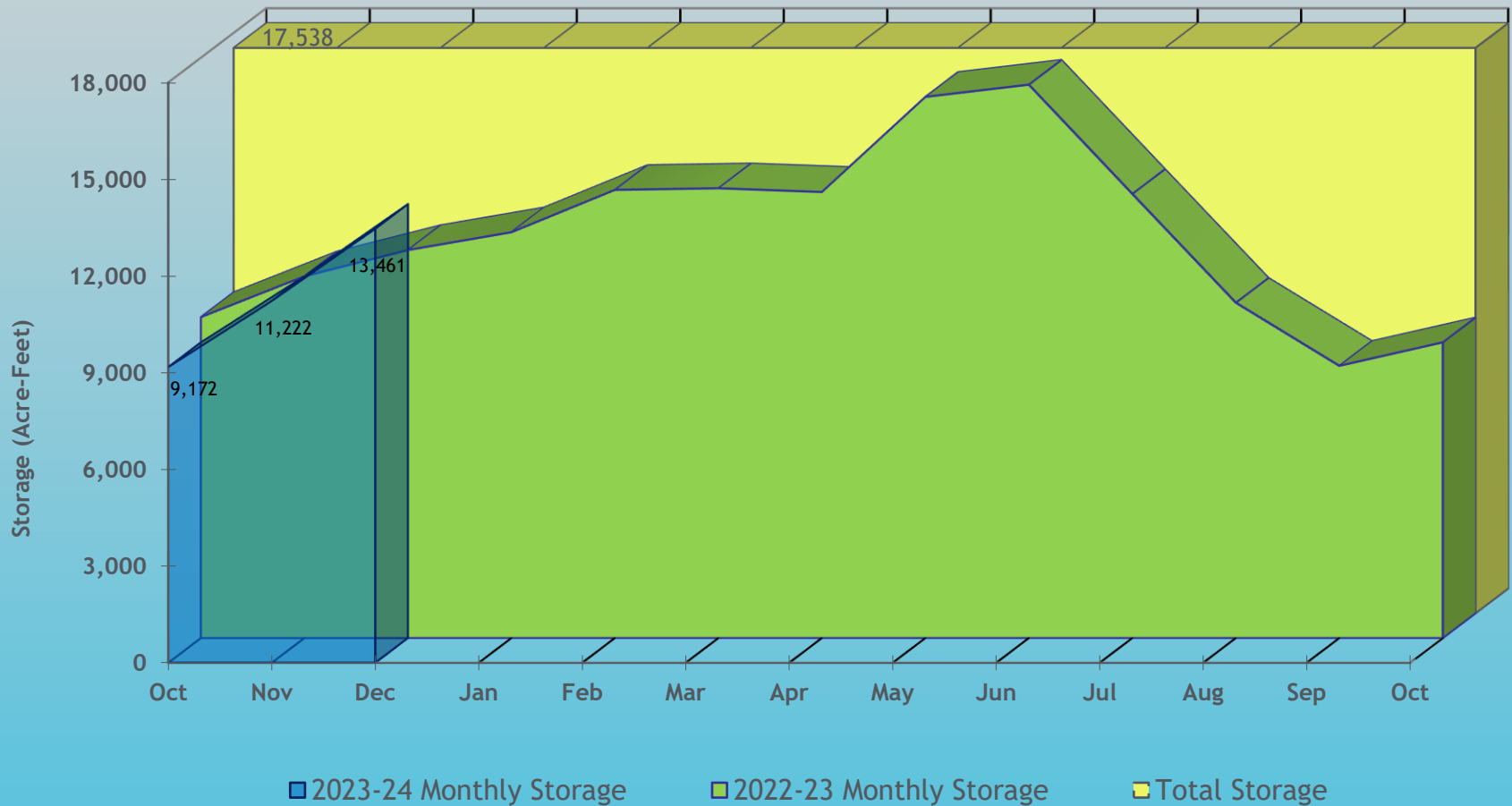
Lower Latham Reservoir (District 2 - Agricultural)



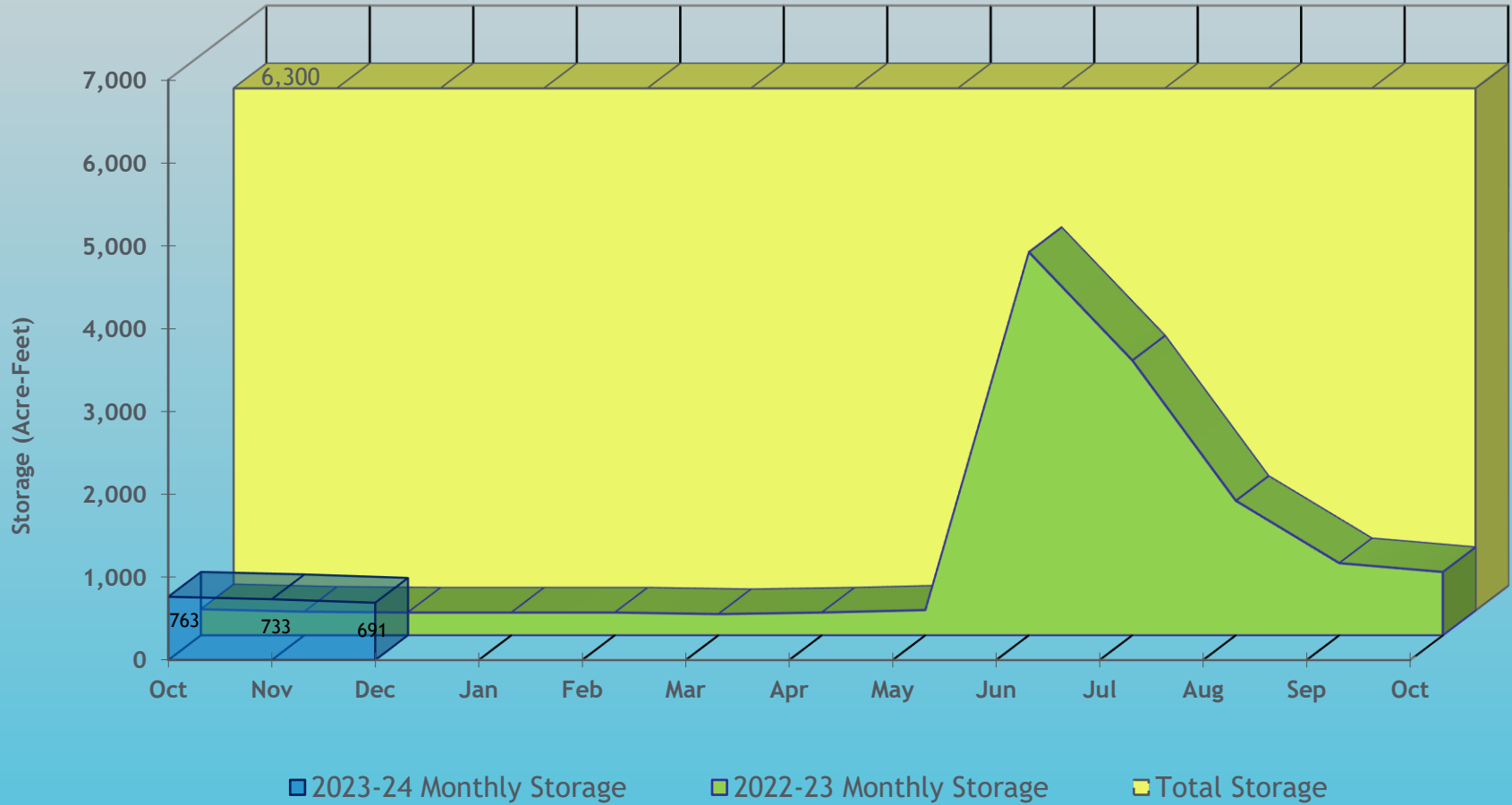
Boyd Lake (District 4, Big Thompson River - Agricultural)



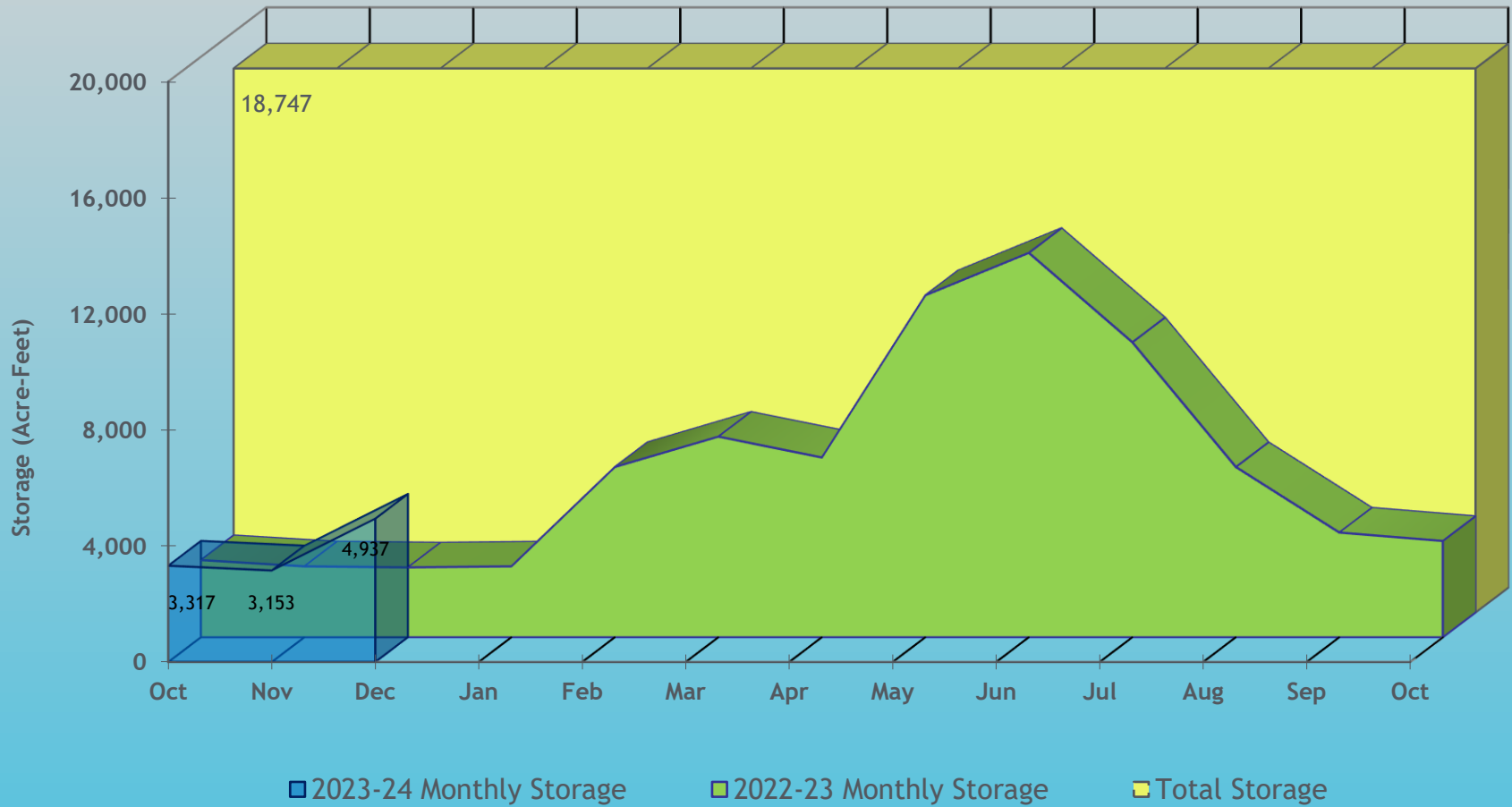
Windsor Reservoir (District 3, Poudre River - Agricultural)



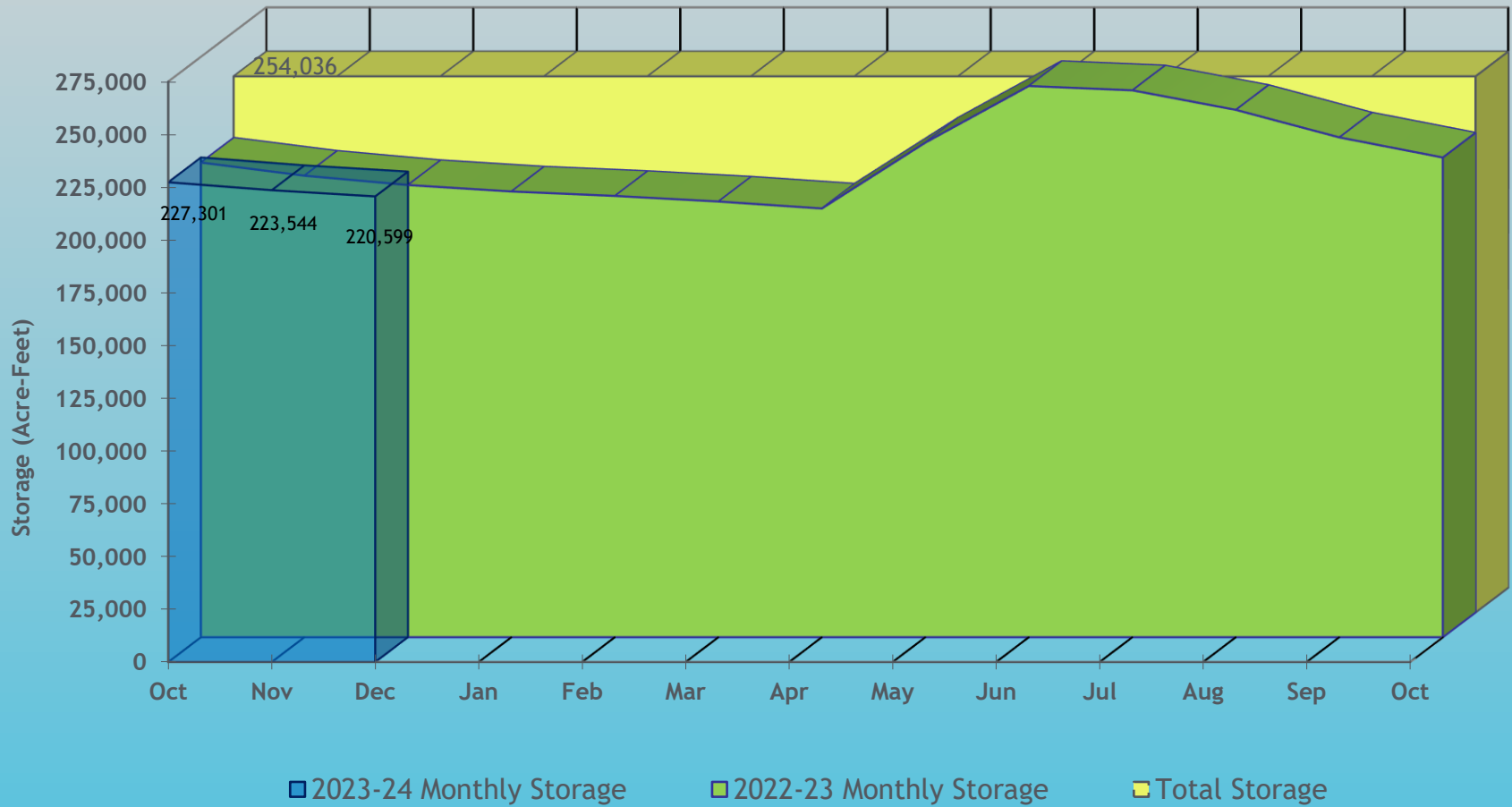
Prospect Reservoir (District 1 - Agricultural)



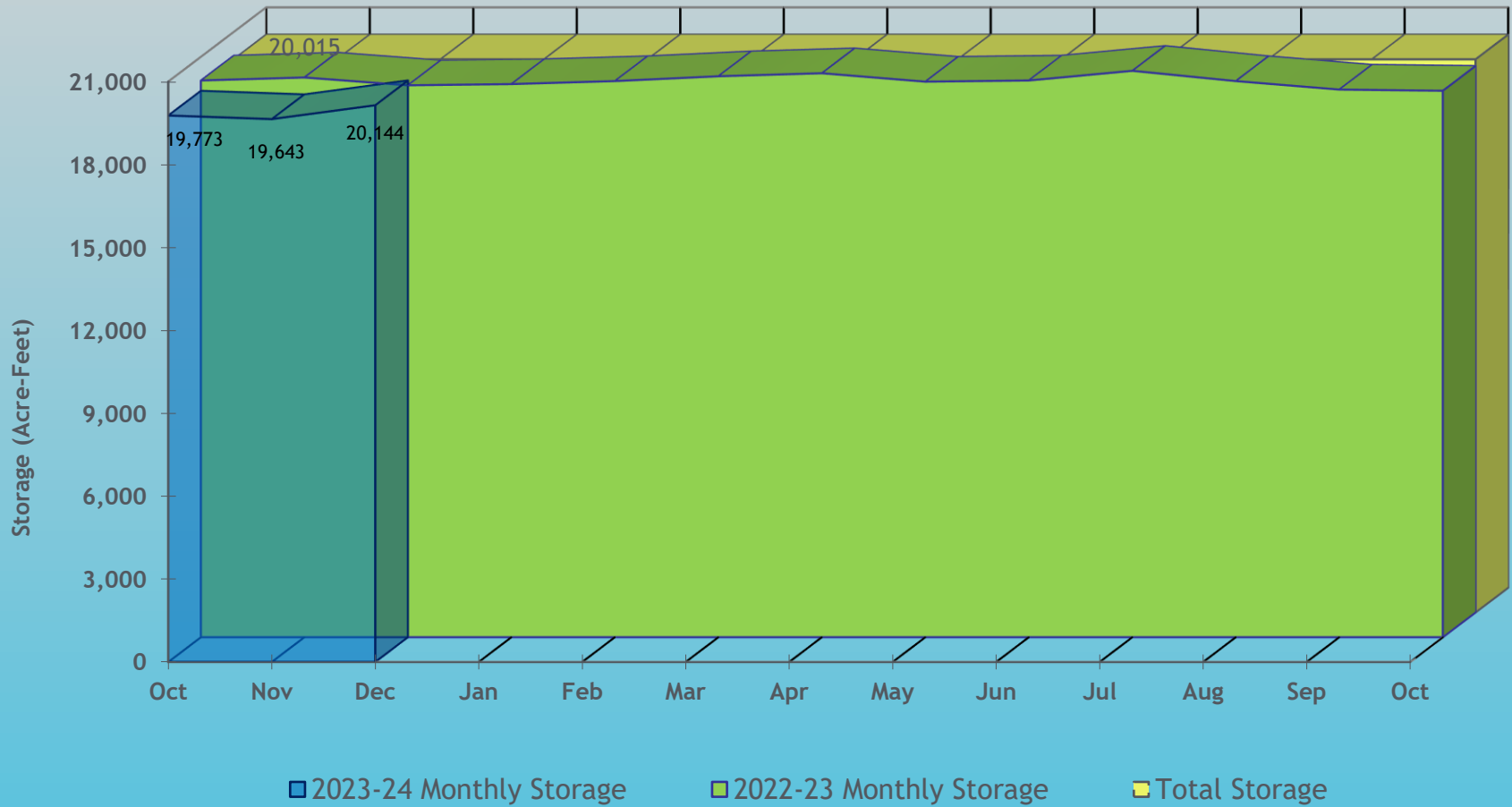
Horse Creek Reservoir (District 1 - Agricultural)



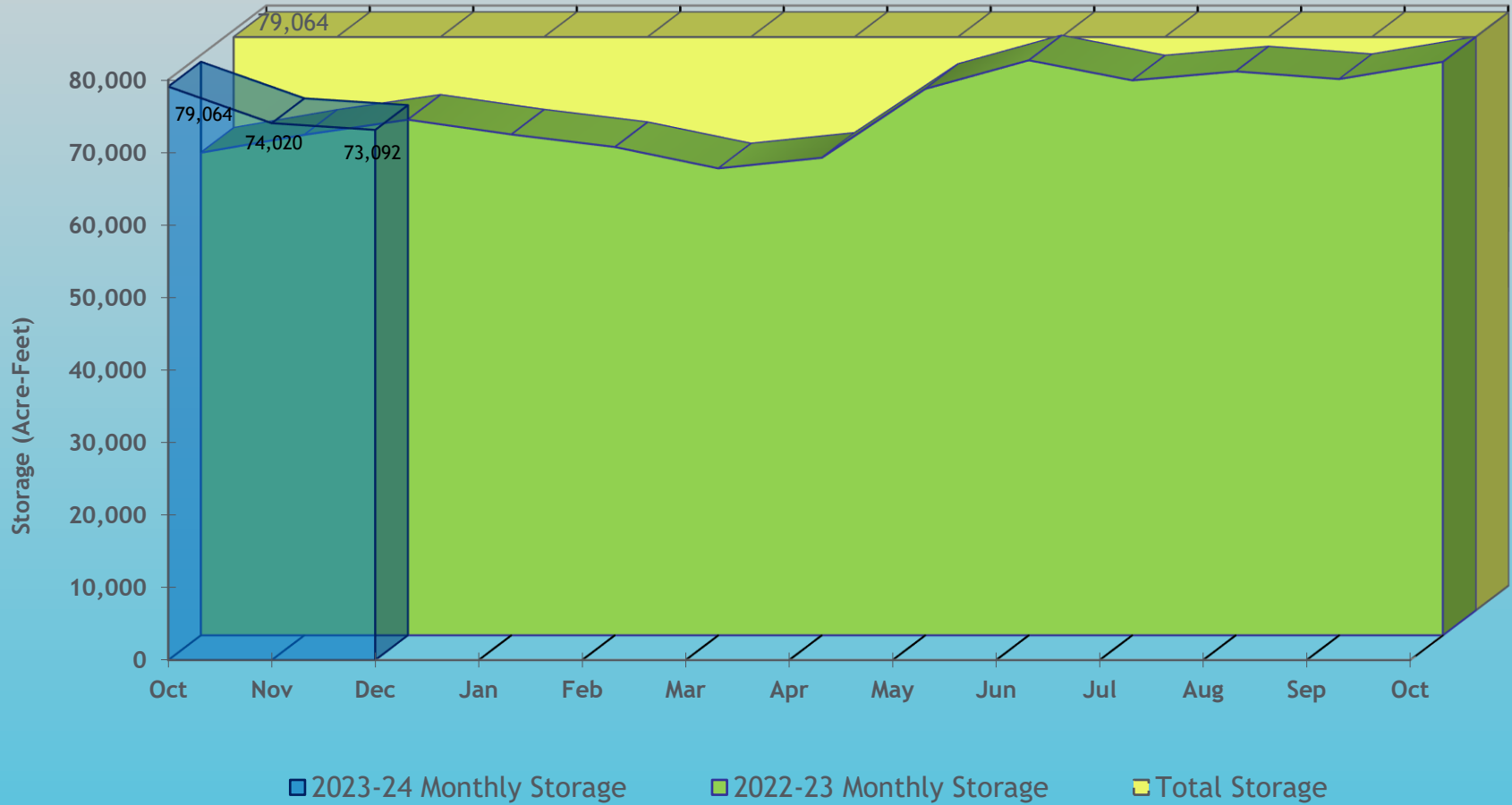
Dillon Reservoir (District 1 - Municipal)



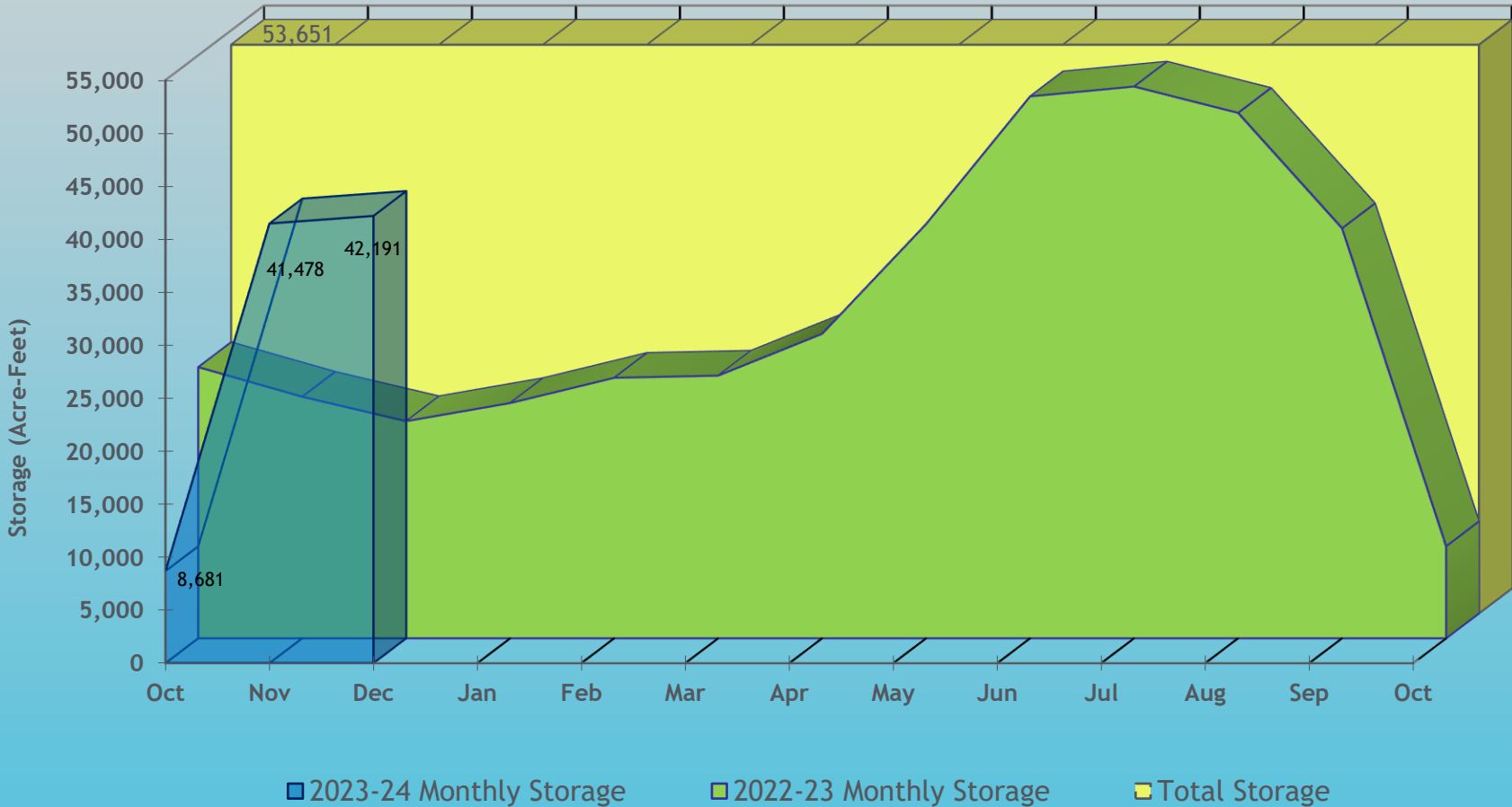
Antero Reservoir (District 23 - Municipal)



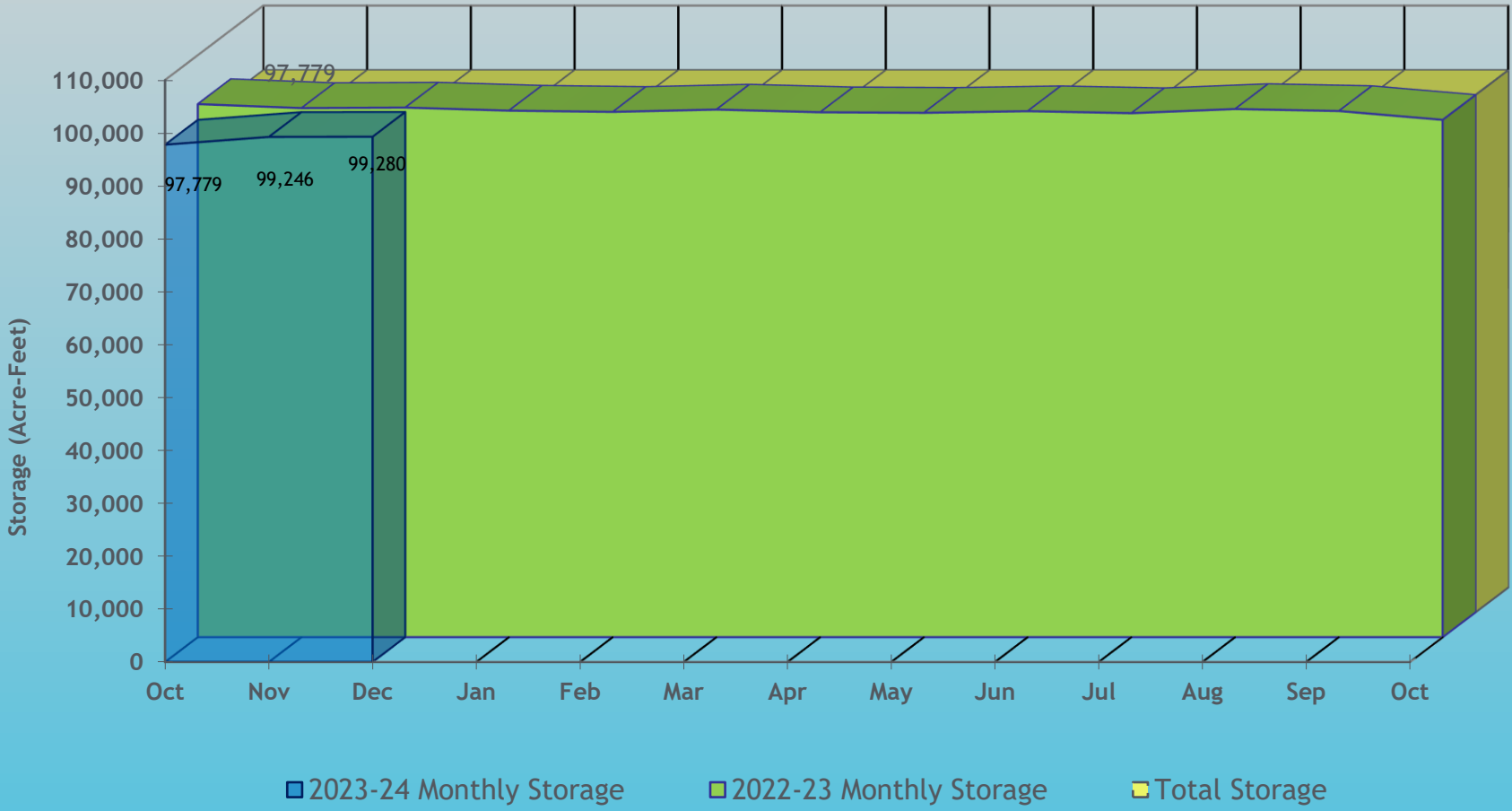
Cheesman Reservoir (District 80 - Municipal)



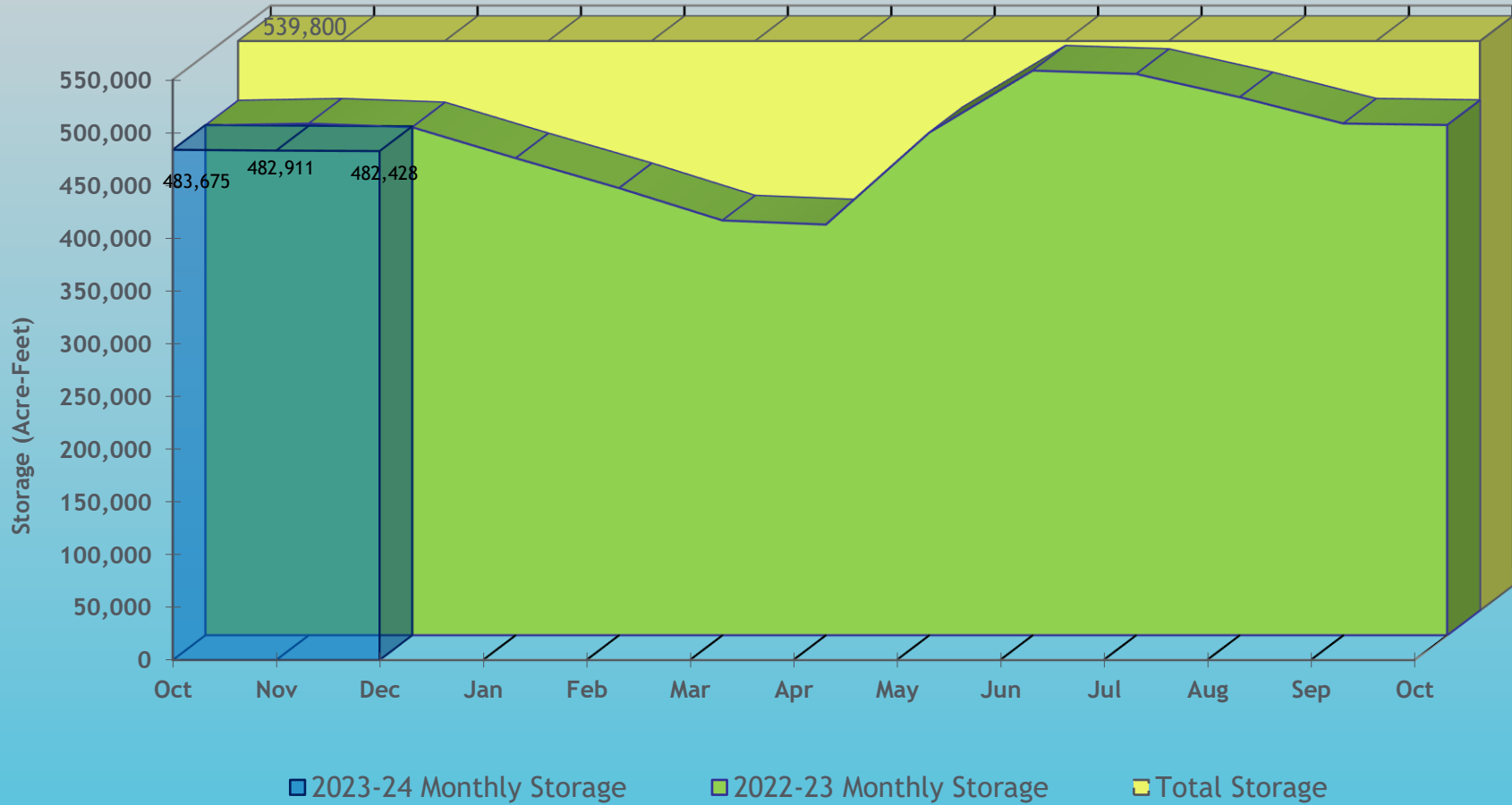
Spinney Mountain Reservoir (District 23 - Municipal)



Eleven Mile Reservoir (District 23 - Municipal)



Lake Granby





All data is collected by the personnel of
Division 1 and is subject to revision.