



COLORADO
Division of Water Resources
Department of Natural Resources

South Platte Summary November 2023

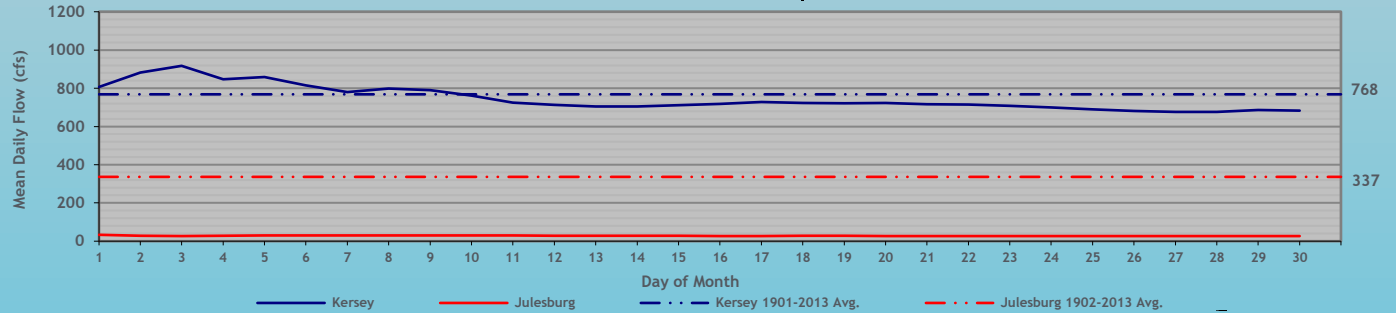
Compiled by Lee Cunning, P.E.

COLORADO DIVISION OF WATER RESOURCES, DIVISION 1

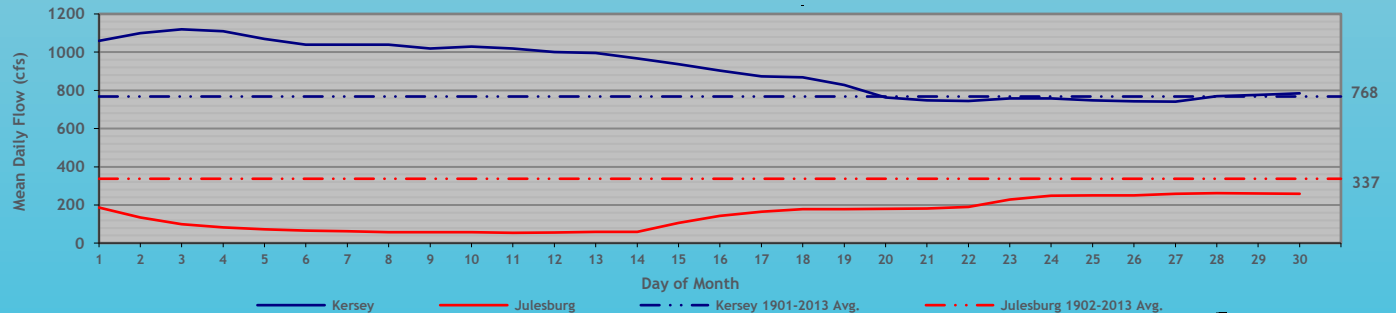
MONTH OF November 2023

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	10,822	15,896	64	5,074	47%	70%	45%	0
N STERLING	73,730	32,997	51,875	64	18,878	57%	70%	30%	0
PREWITT	28,500	17,327	16,781	64	-546	-3%	59%	24%	0
JACKSON	27,257	22,371	24,936	1	2,565	11%	91%	47%	0
EMPIRE	37,700	18,909	22,546	1	3,637	19%	60%	30%	0
RIVERSIDE	63,113	31,833	51,238	1	19,405	61%	81%	41%	0
BARR LAKE	32,152	15,035	16,379	2	1,344	9%	51%	33%	0
CHEESMAN	79,064	79,064	74,020	80	-5,044	-6%	94%	87%	0
ELEVEN MILE	97,779	97,779	99,246	23	1,467	2%	100%	100%	1,467
SPINNEY	53,651	8,681	41,478	23	32,797	378%	77%	42%	0
ANTERO	20,015	19,773	19,643	23	-130	-1%	98%	100%	0

KERSEY and JULESBURG
November 2023



KERSEY and JULESBURG
November 2024

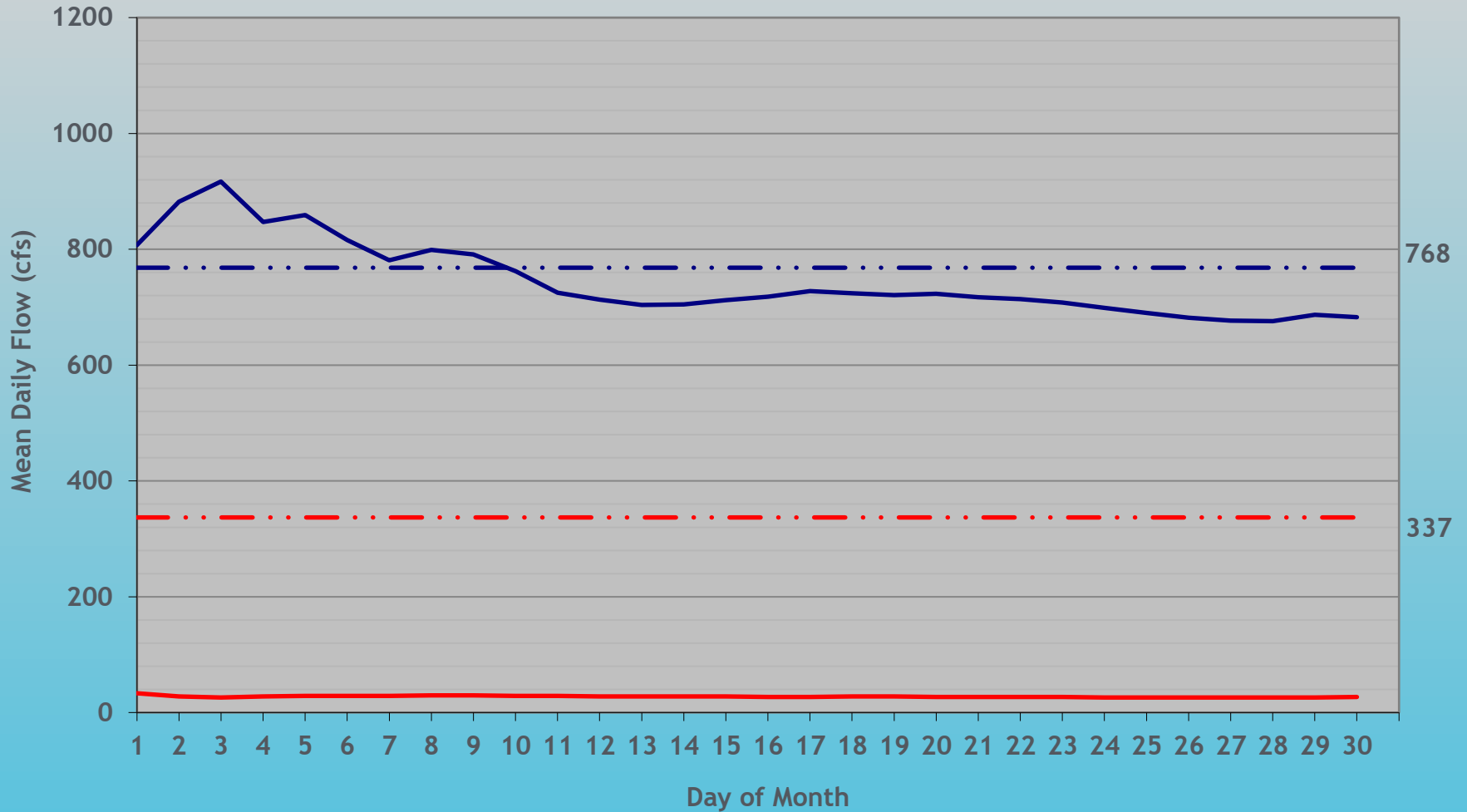


RIVER GAGES	MEAN DAILY FLOW (CFS)
KERSEY	912
JULESBURG	148
THIS MONTH LAST YEAR	
KERSEY	746
JULESBURG	28
MEAN FOR PERIOD OF RECORD*	
KERSEY	768
JULESBURG	337

*Kersey 1901 - 2016
*Julesburg 1902 - 2016

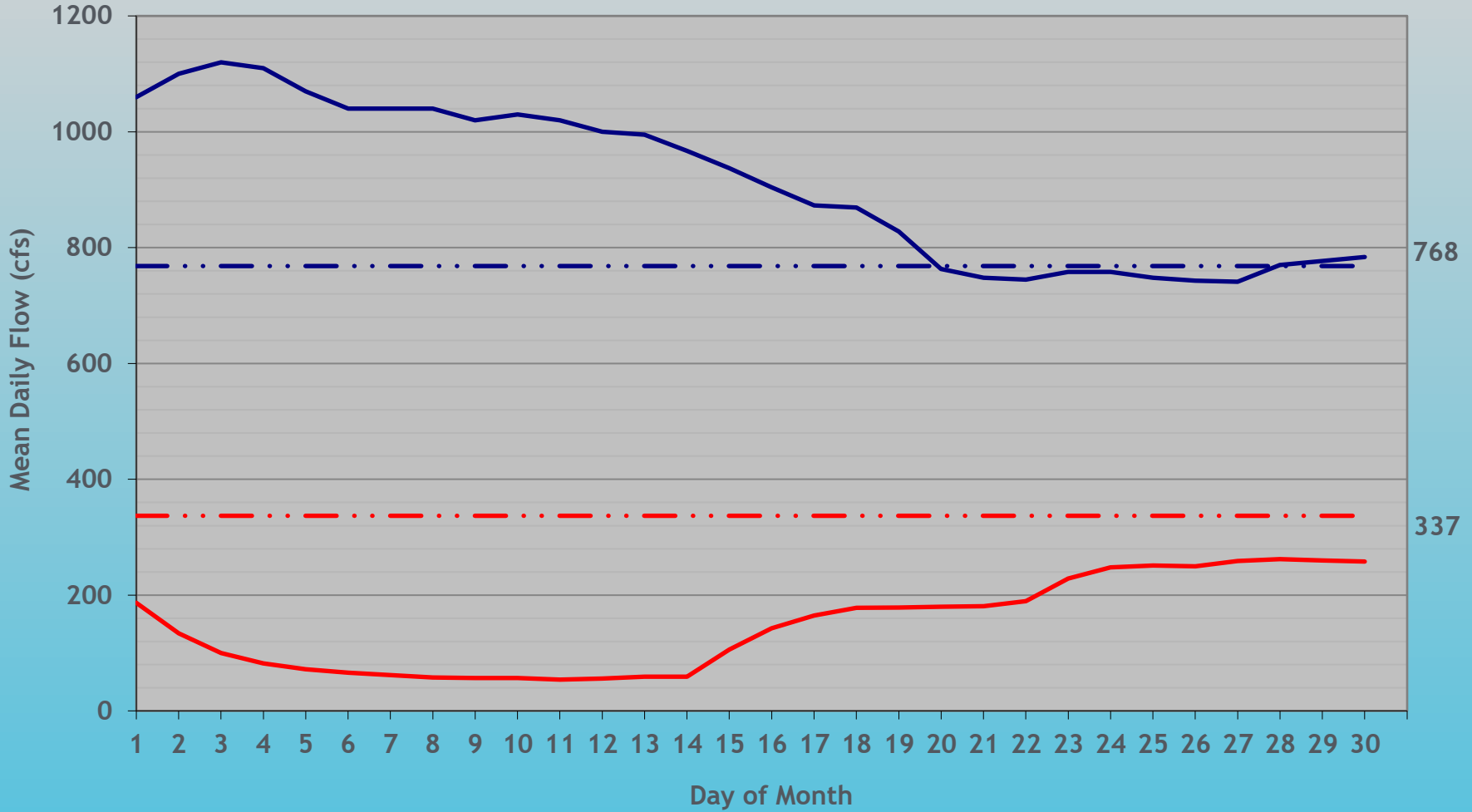


KERSEY and JULESBURG November 2023



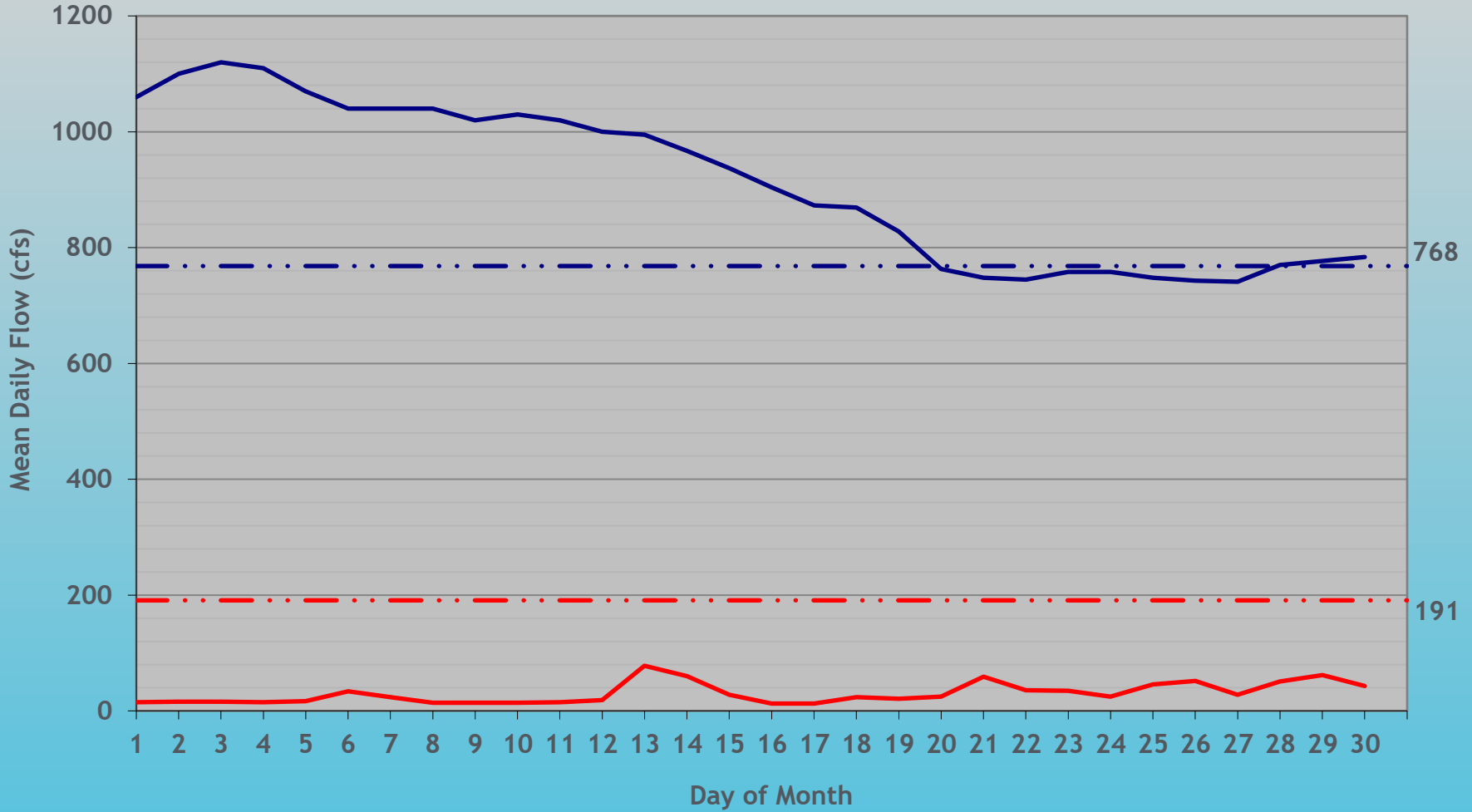
— Kersey — Julesburg — · Kersey 1901-2013 Avg. — · Julesburg 1902-2013 Avg.

KERSEY and JULESBURG November 2024



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

KERSEY and BALZAC November 2024



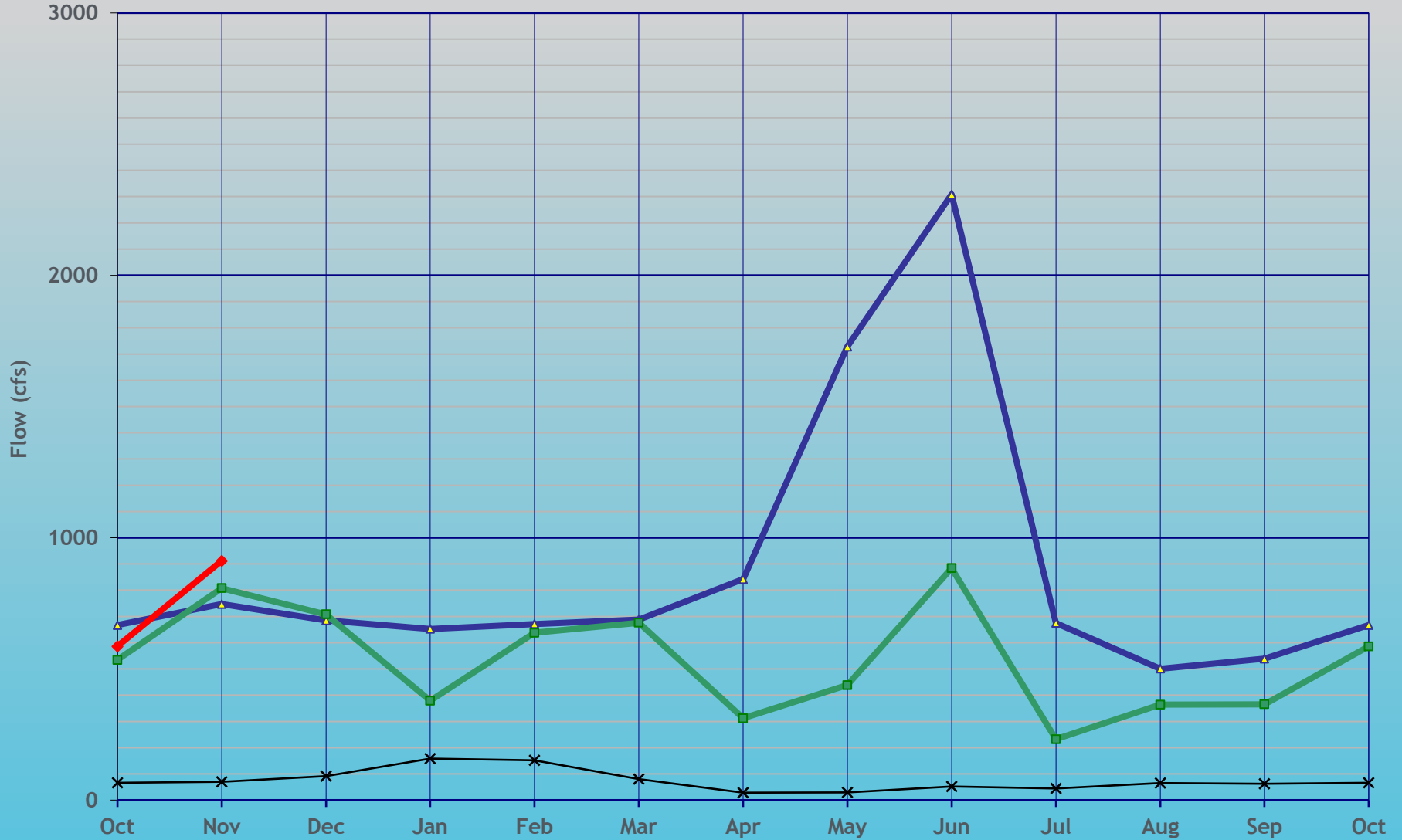
— Kersey — Balzac - · - Kersey 1901-2013 Avg. - · - Balzac 1917-2013 Avg.

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		Dec	401	1820	1984	13	2002	
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 at Kersey

Irrigation Year



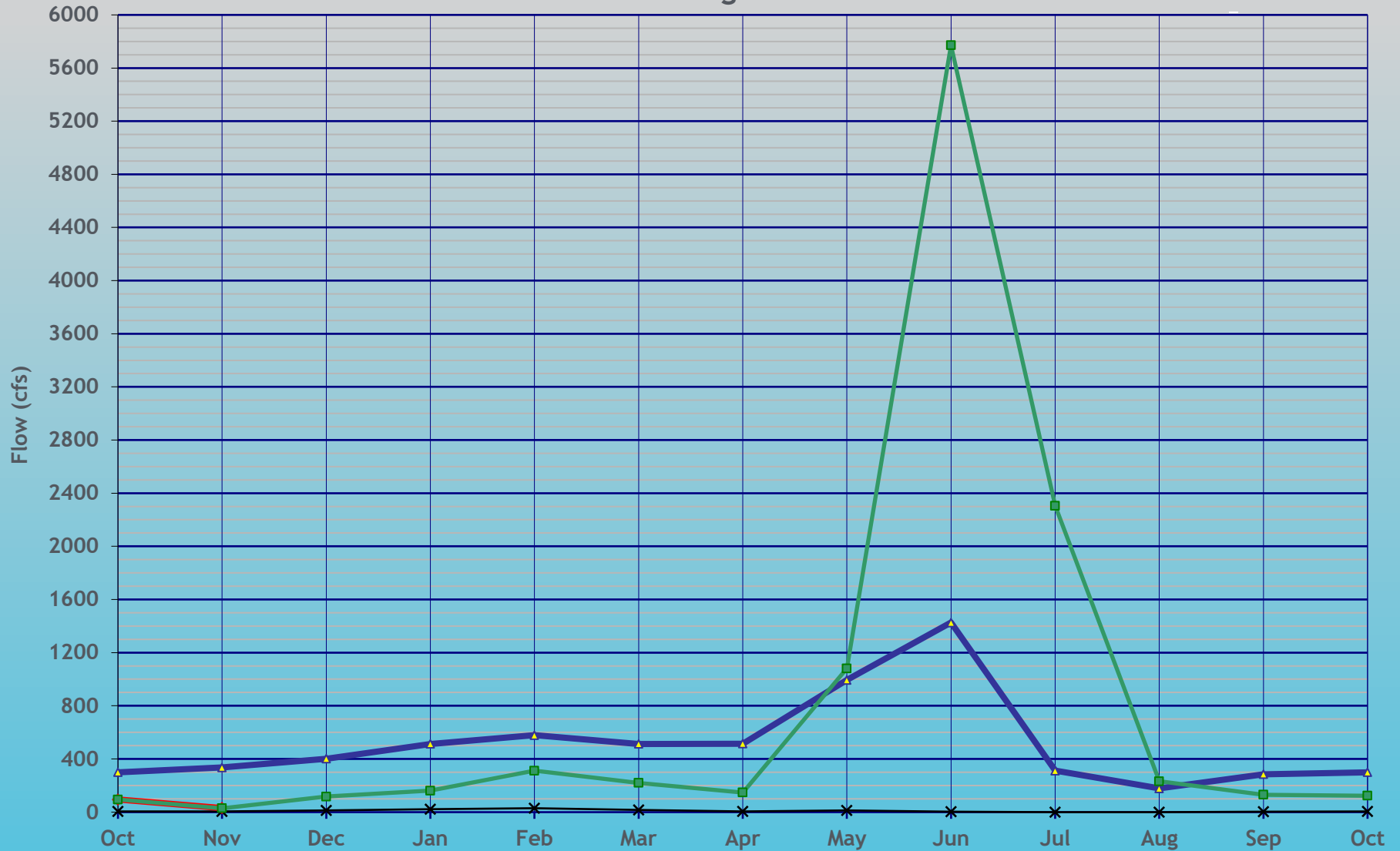
—▲— Historic* Mean Flow —×— Historic* Min Flow —◆— 2023-2024 Mean Flow —■— 2022-2023 Mean Flow

*1901-2021



South Platte River at Julesburg

Irrigation Year



Historic* Mean Flow

Historic* Min Flow

2023-2024 Mean Flow

2022-2023 Mean Flow

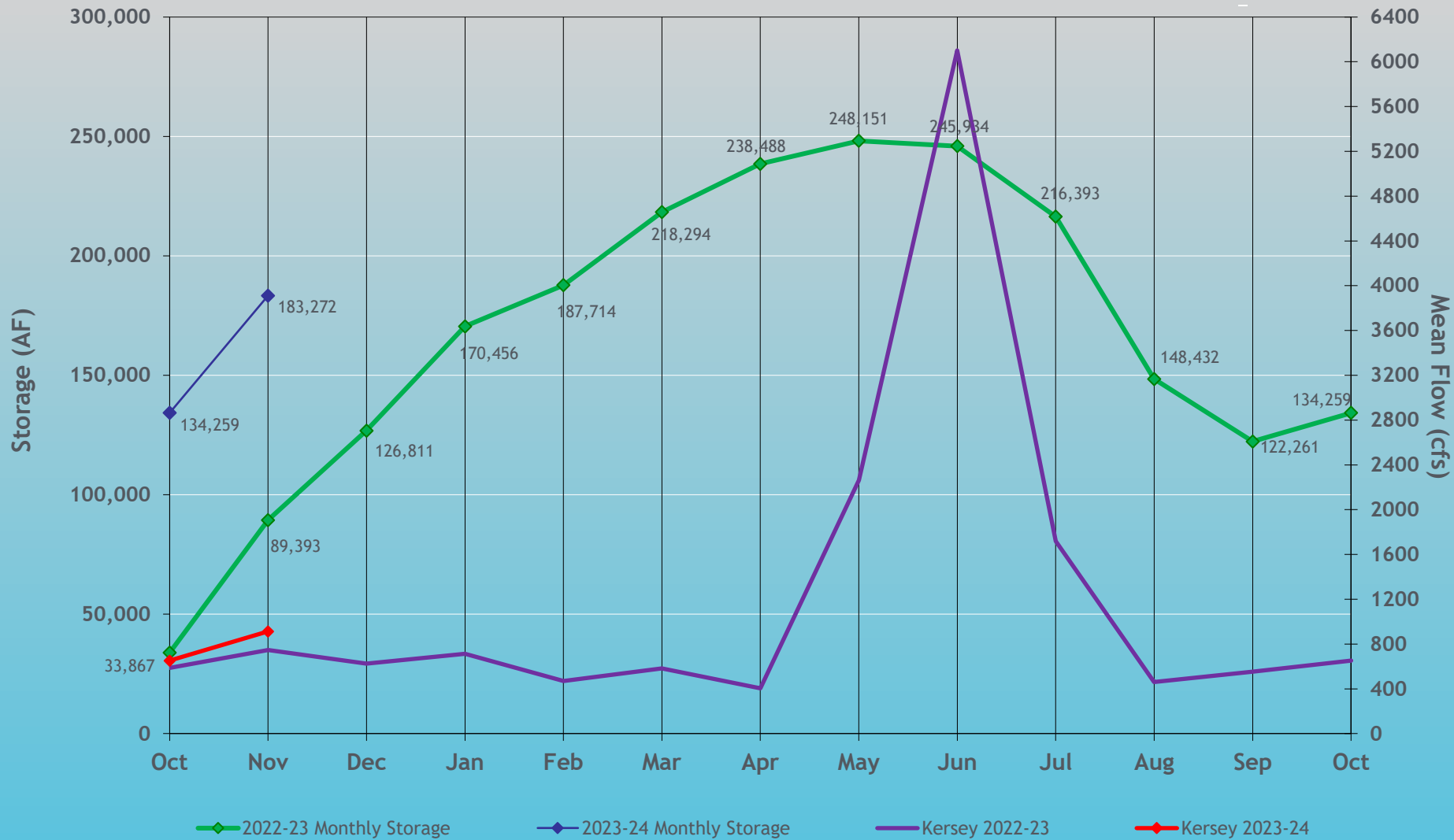
*1901-2021





Reservoir Storage below Kersey

Selected Reservoirs*

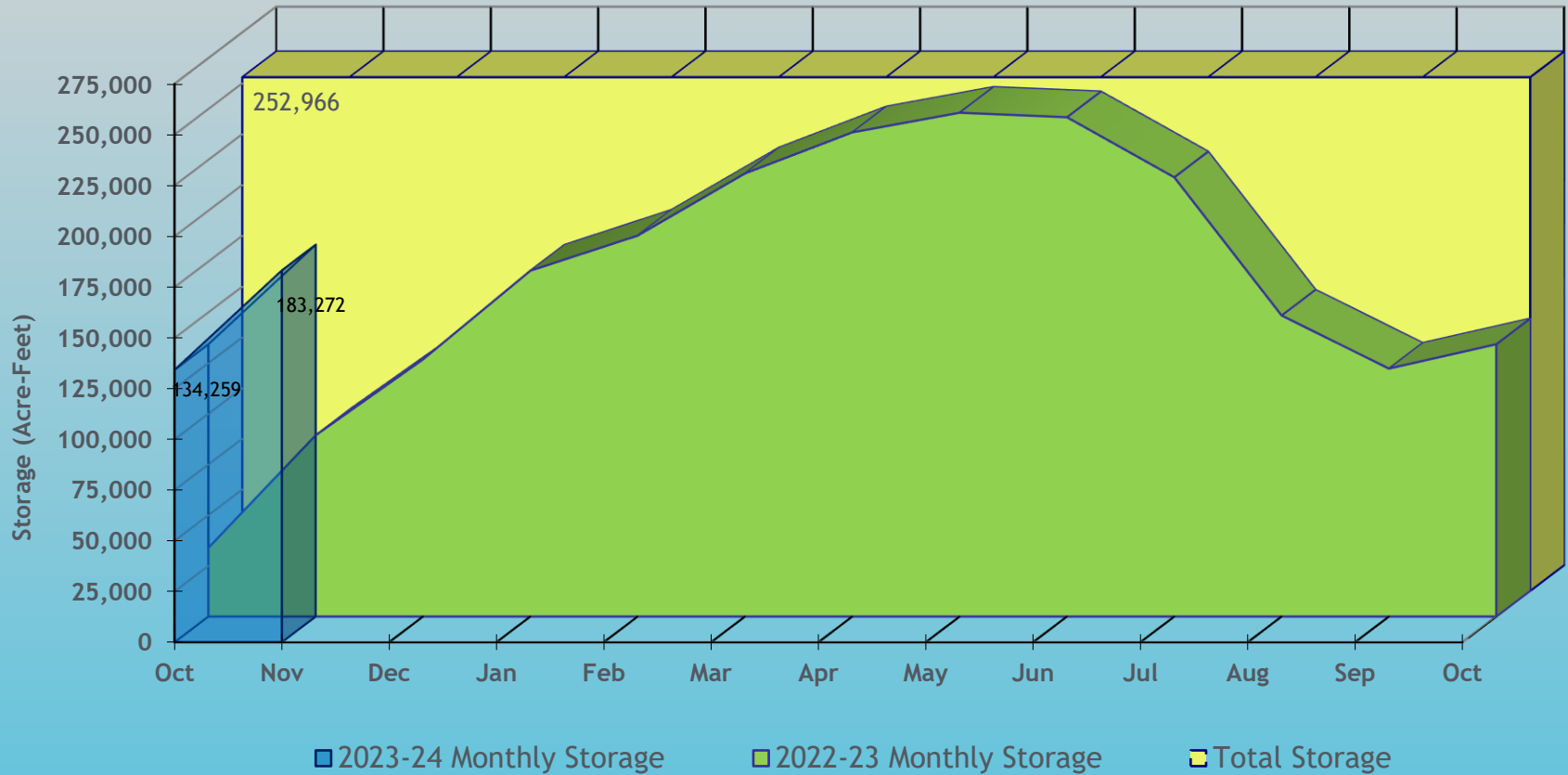


*Empire, Riverside, Jackson, Prewitt, North Sterling, & Julesburg



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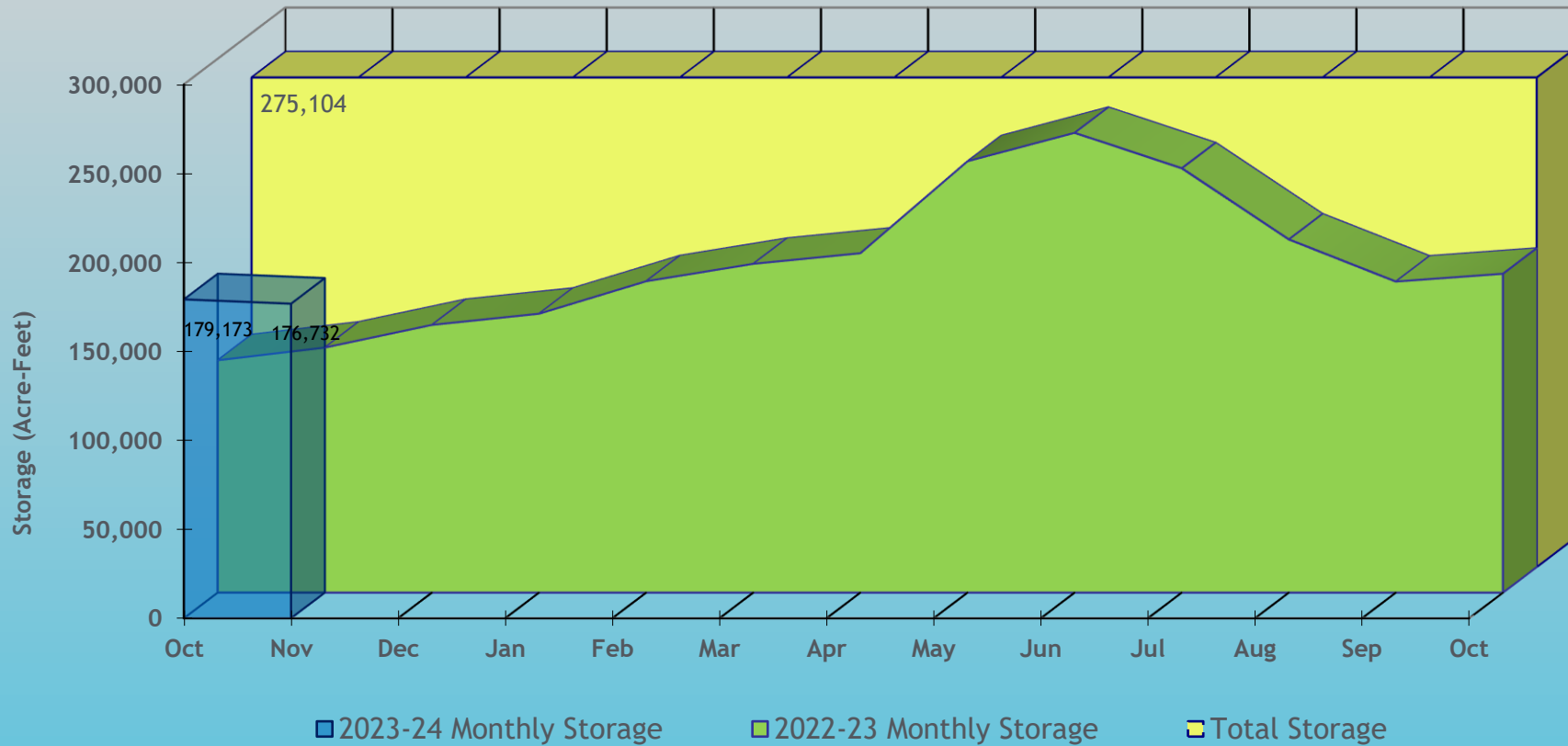
South Platte Reservoir Storage below Kersey*



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



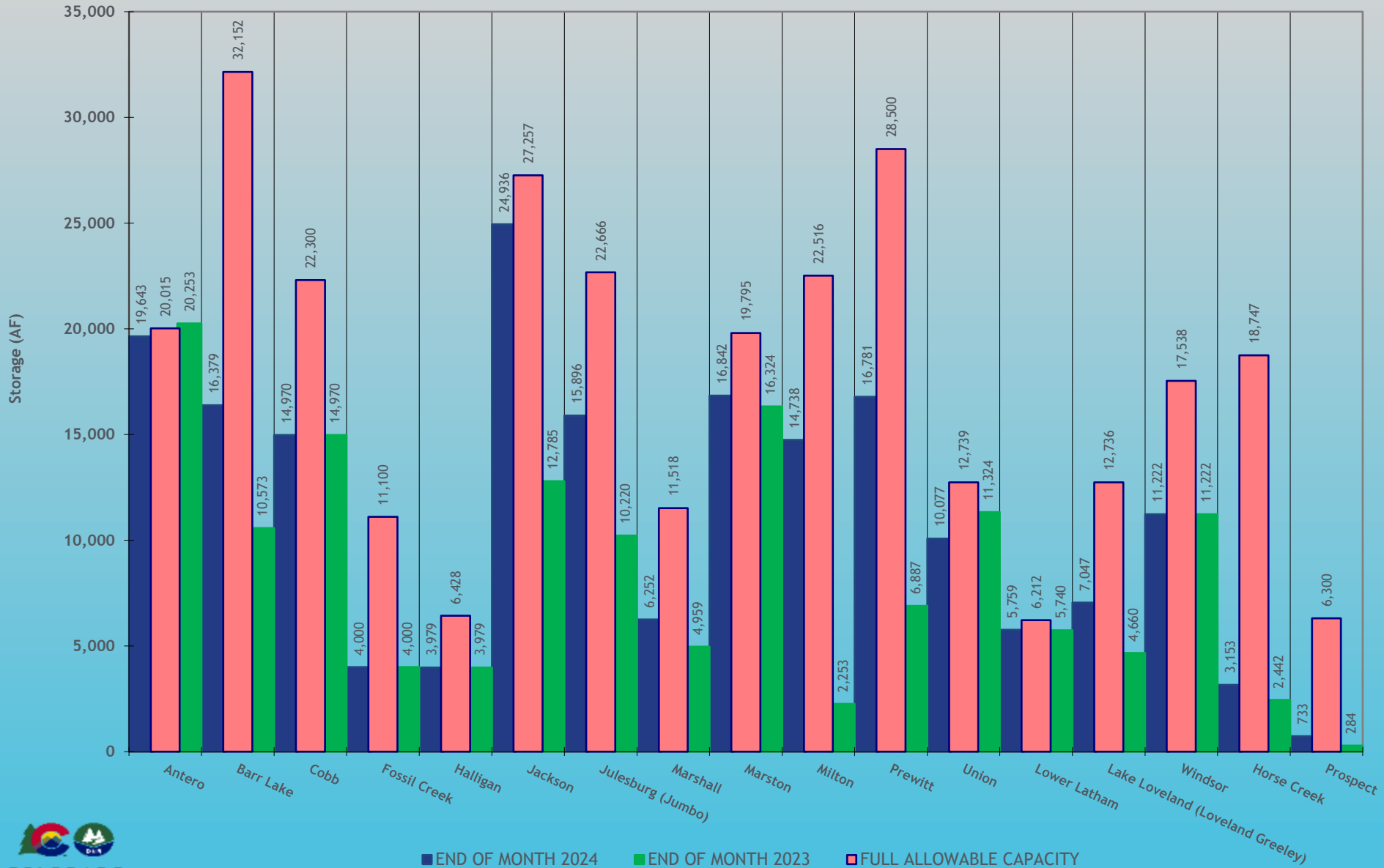
South Platte Reservoir Storage above Kersey*



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

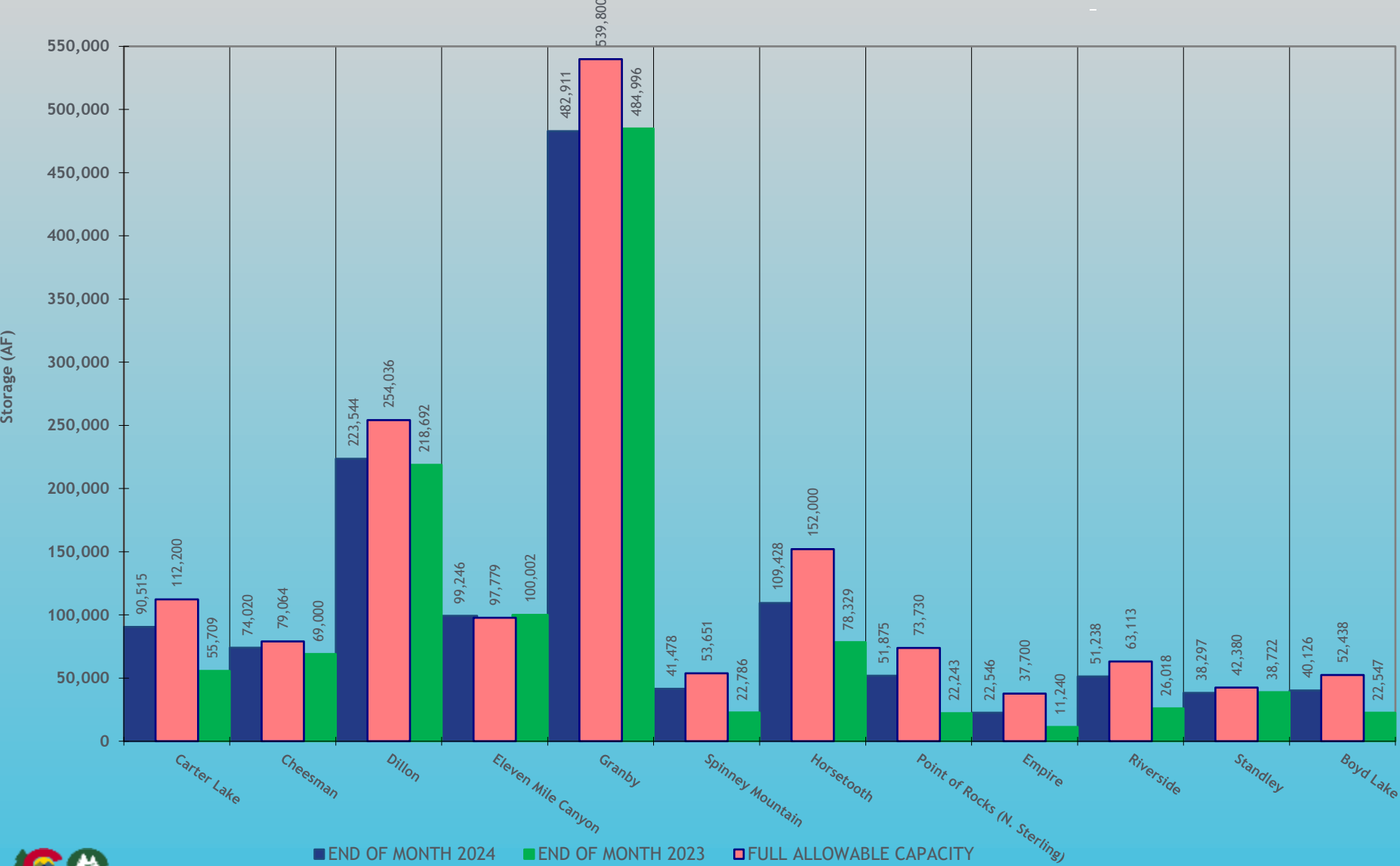


November Reservoir Change in Storage IY2023 versus IY2024



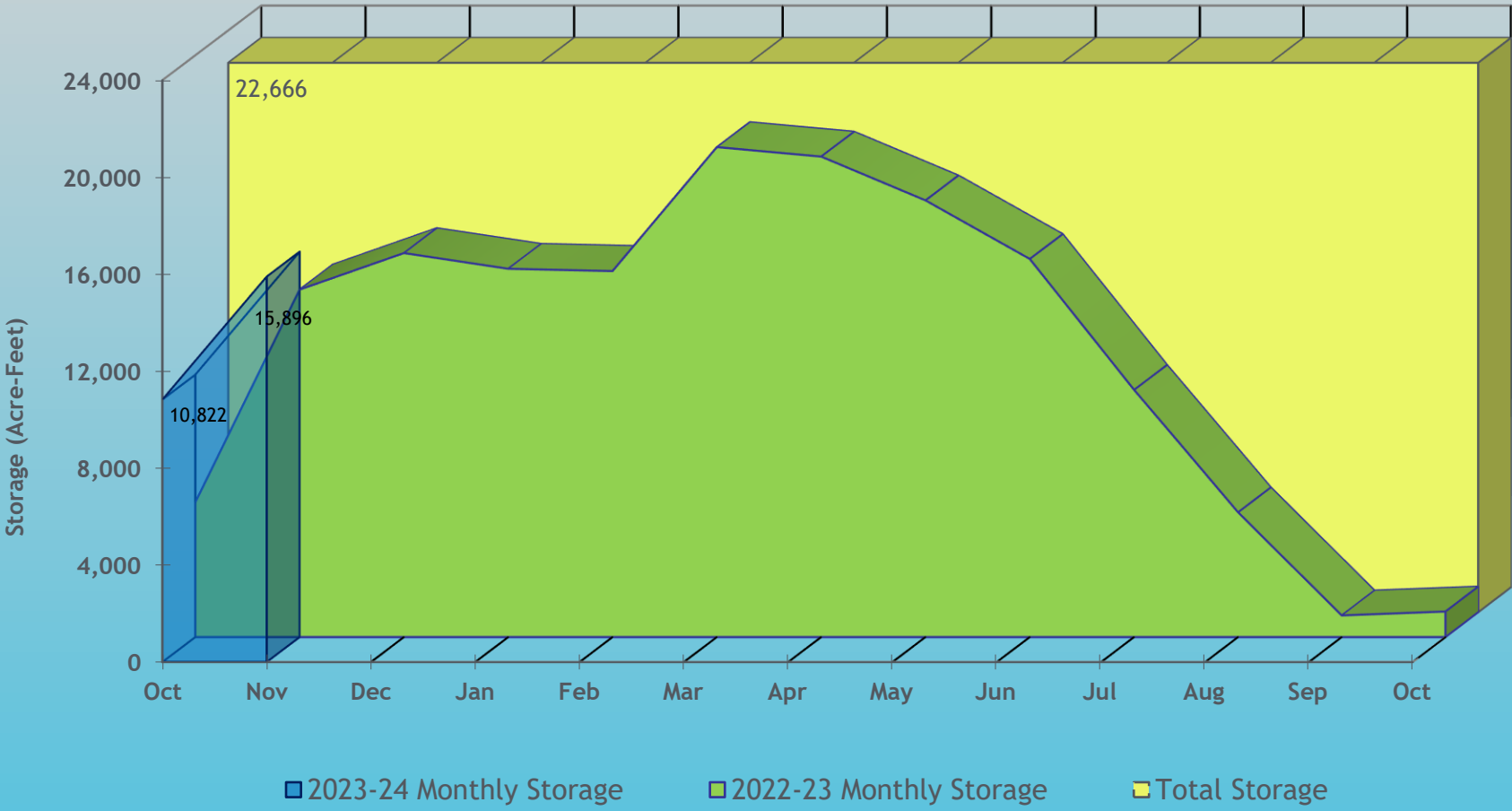
■ END OF MONTH 2024 ■ END OF MONTH 2023 ■ FULL ALLOWABLE CAPACITY

November Reservoir Change in Storage IY2023 versus IY2024

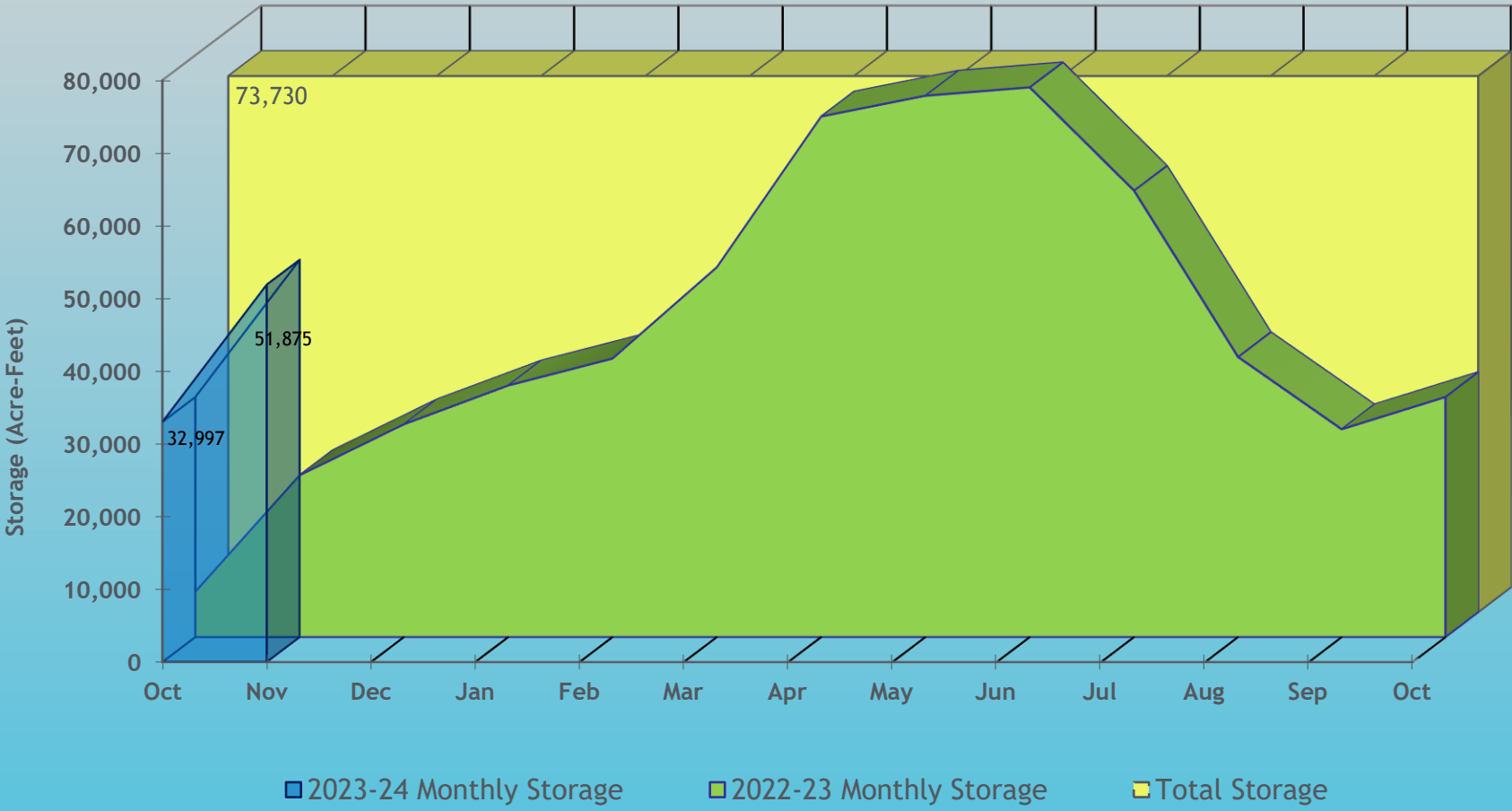


■ END OF MONTH 2024
 ■ END OF MONTH 2023
 ■ FULL ALLOWABLE CAPACITY

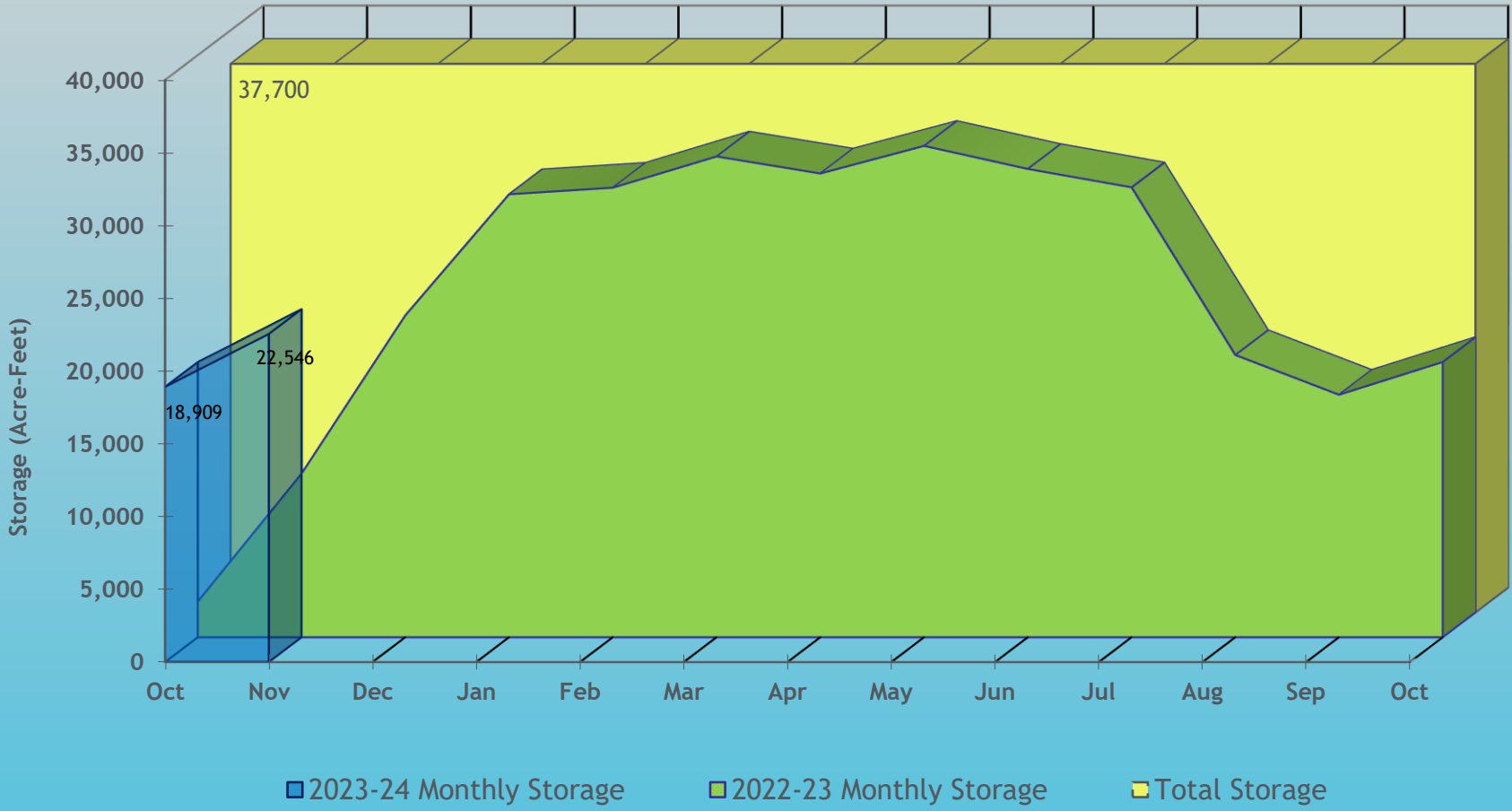
Julesburg Reservoir (District 64 - Agricultural)



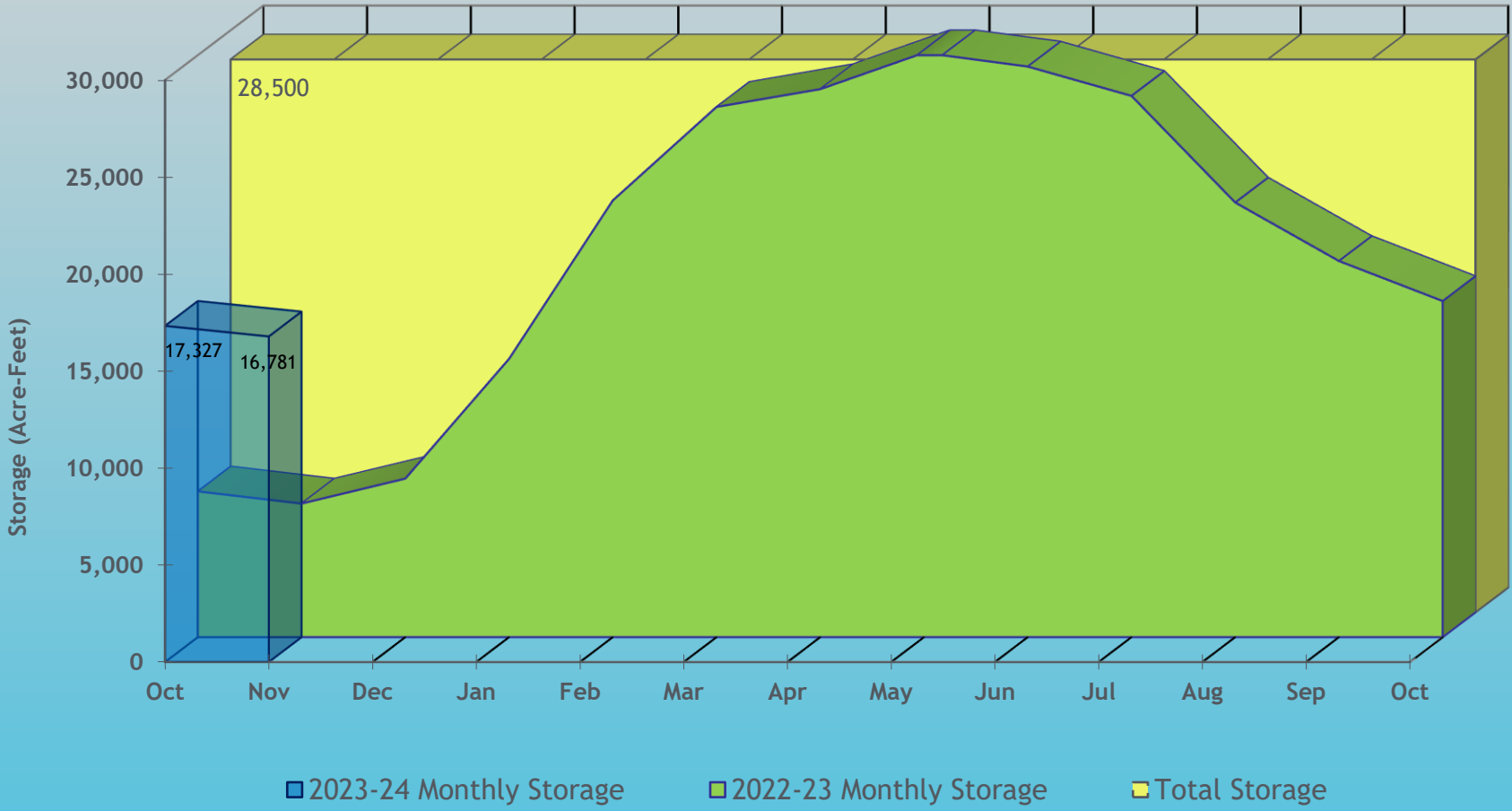
North Sterling Reservoir (District 64 - Agricultural)



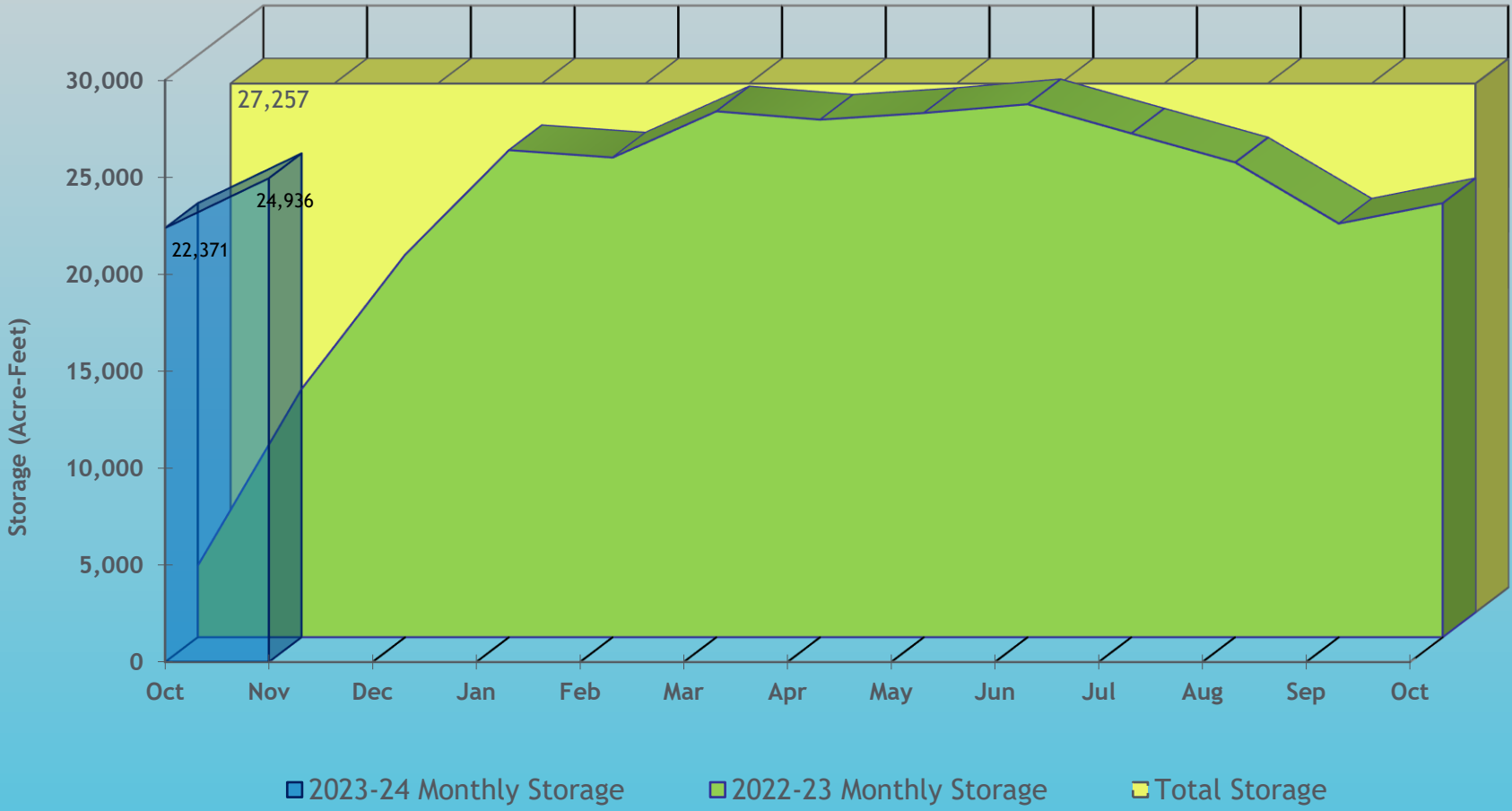
Empire Reservoir (District 1 - Agricultural)



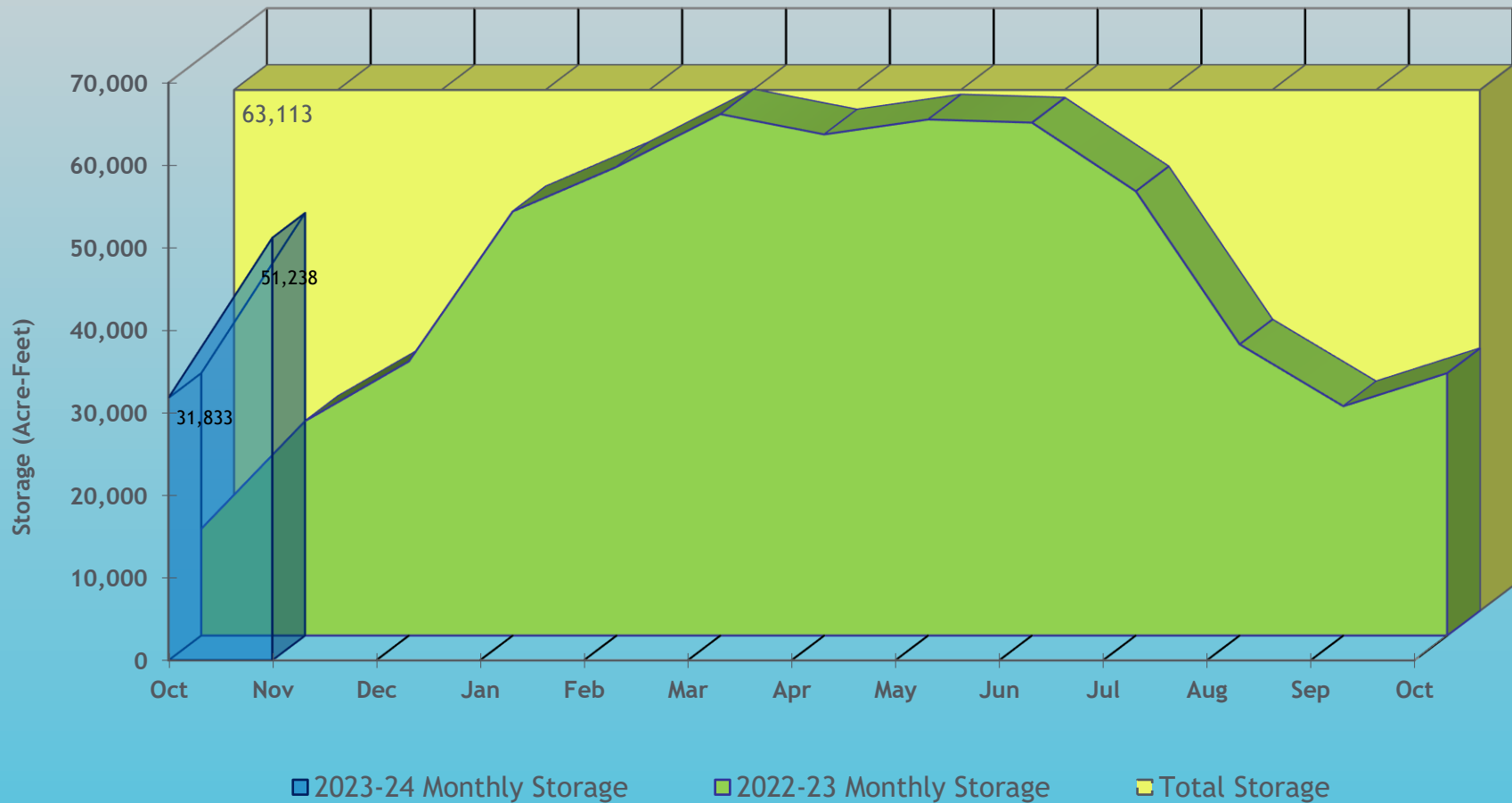
Prewitt Reservoir (District 64 - Agricultural)



Jackson Reservoir (District 1 - Agricultural)



Riverside Reservoir (District 1 - Agricultural)

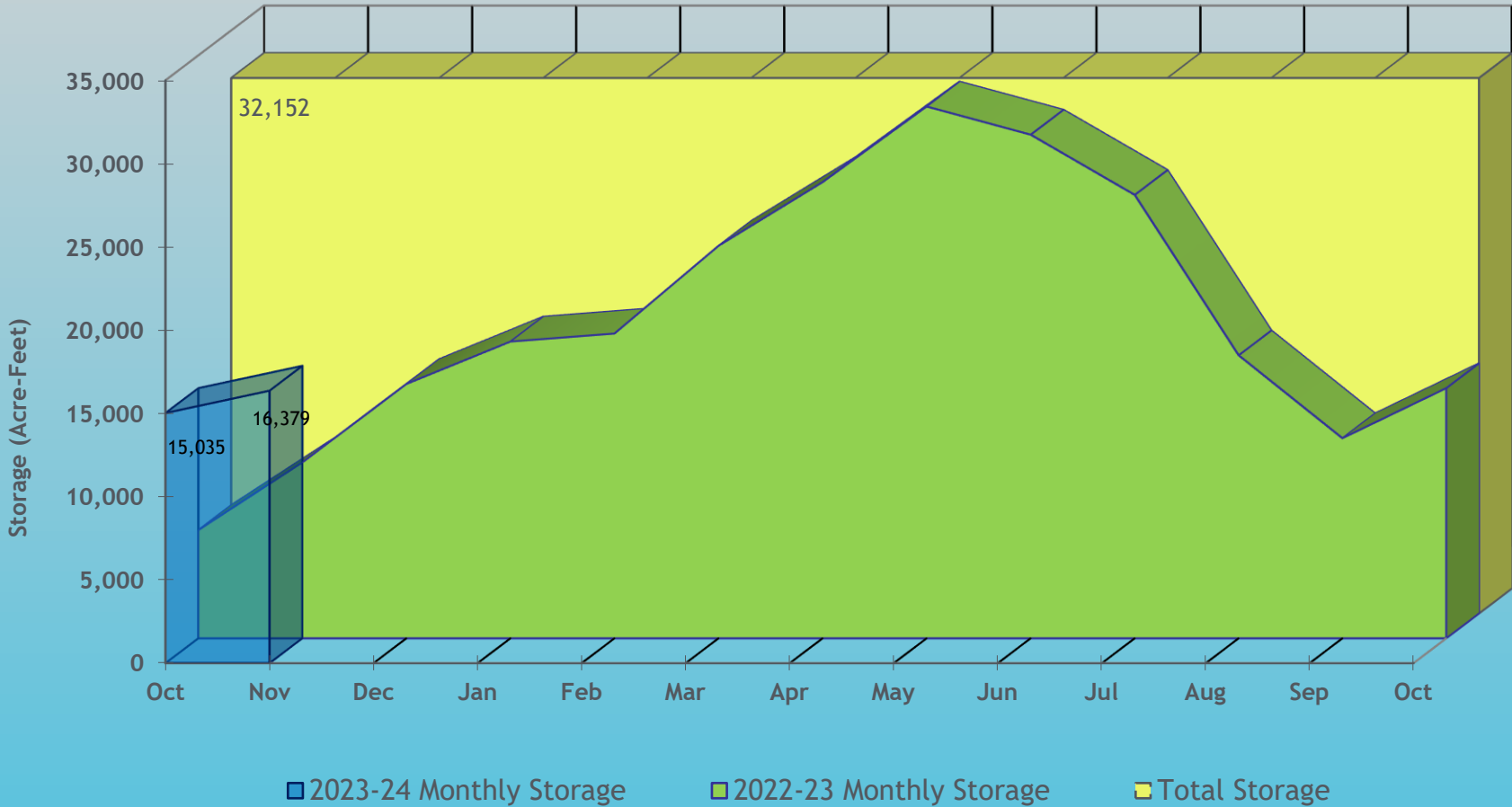


■ 2023-24 Monthly Storage

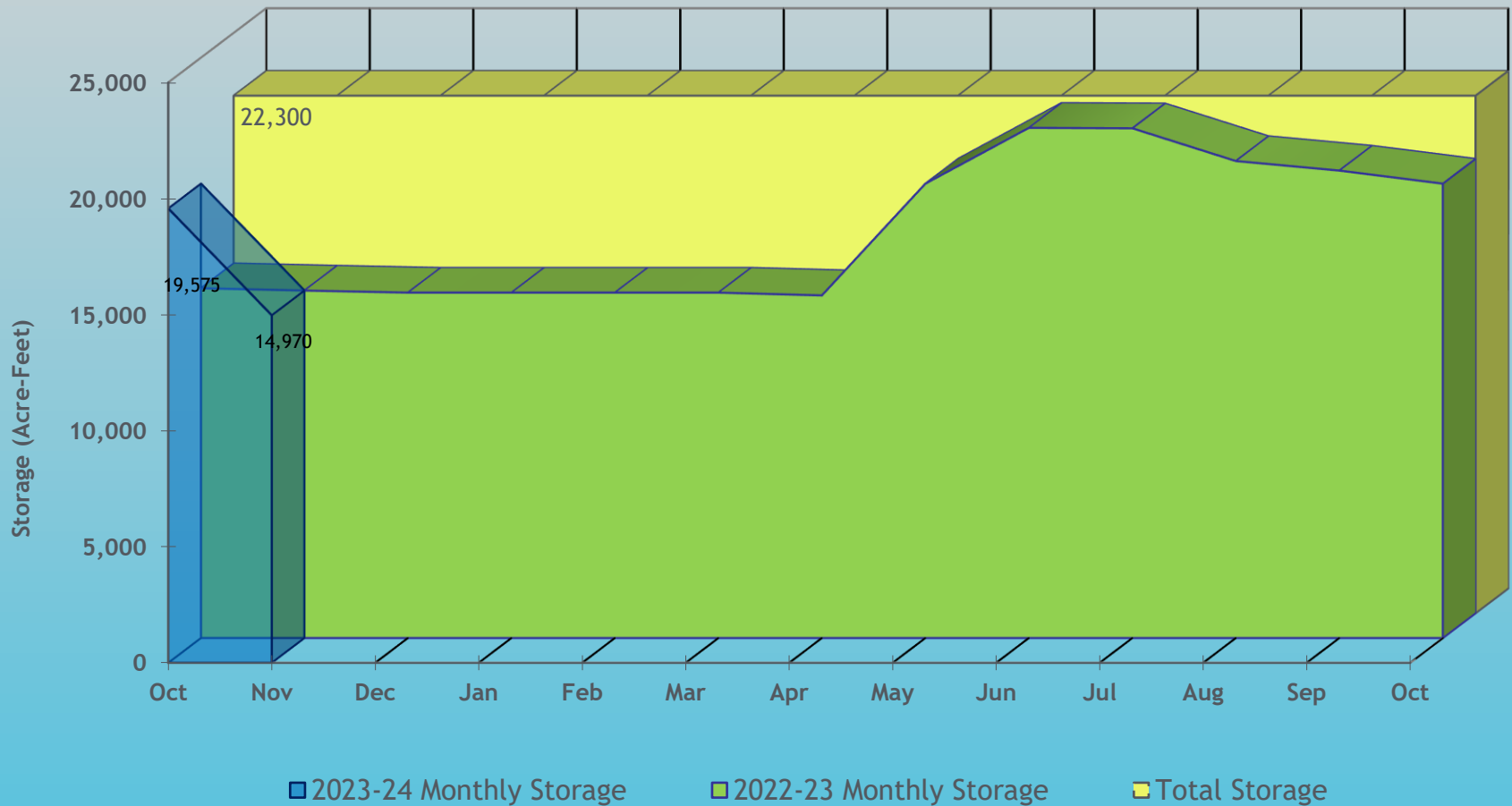
■ 2022-23 Monthly Storage

■ Total Storage

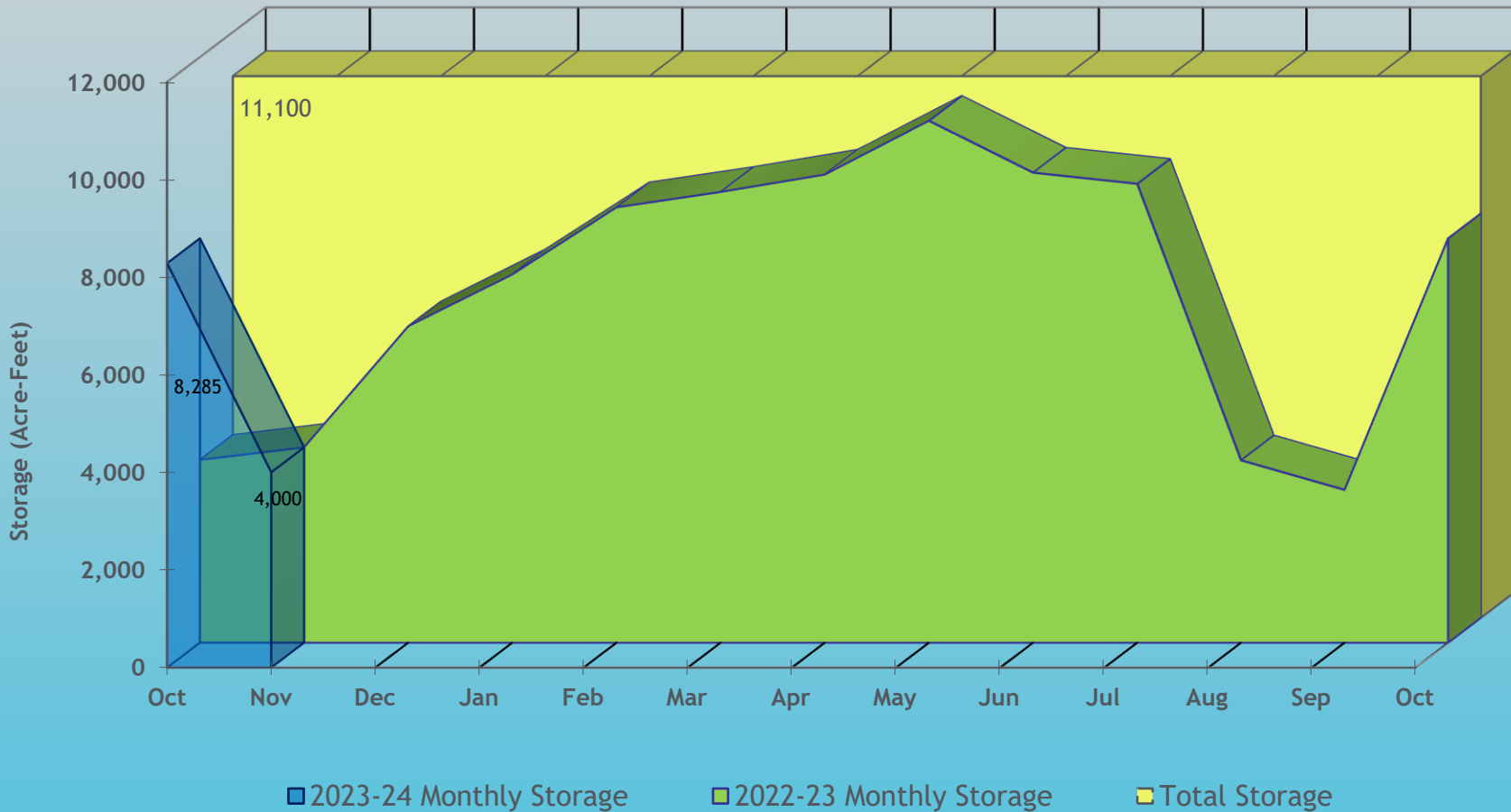
Barr Reservoir (District 2 - Agricultural)



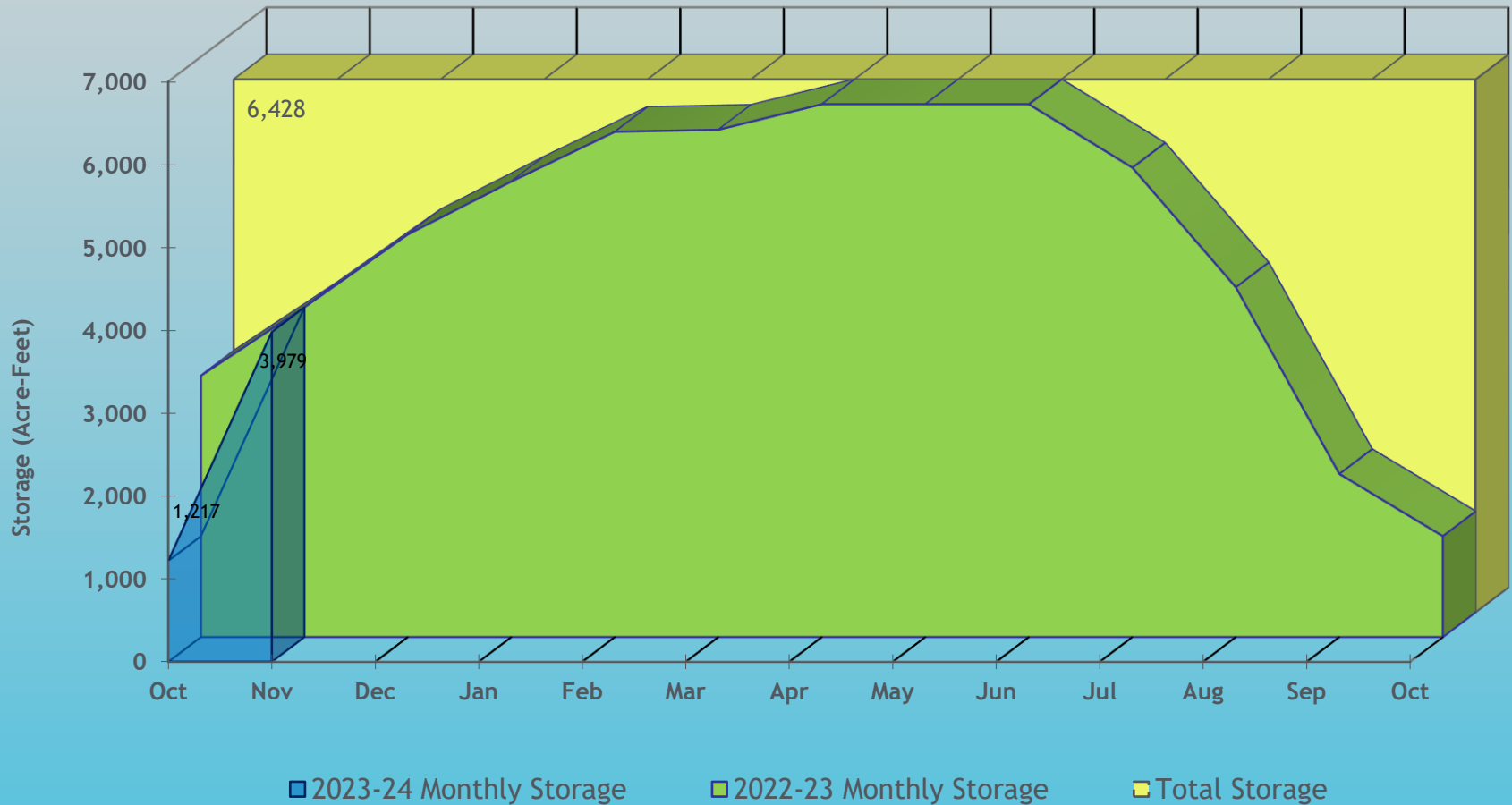
Cobb Reservoir (District 3, Poudre River - Agricultural)



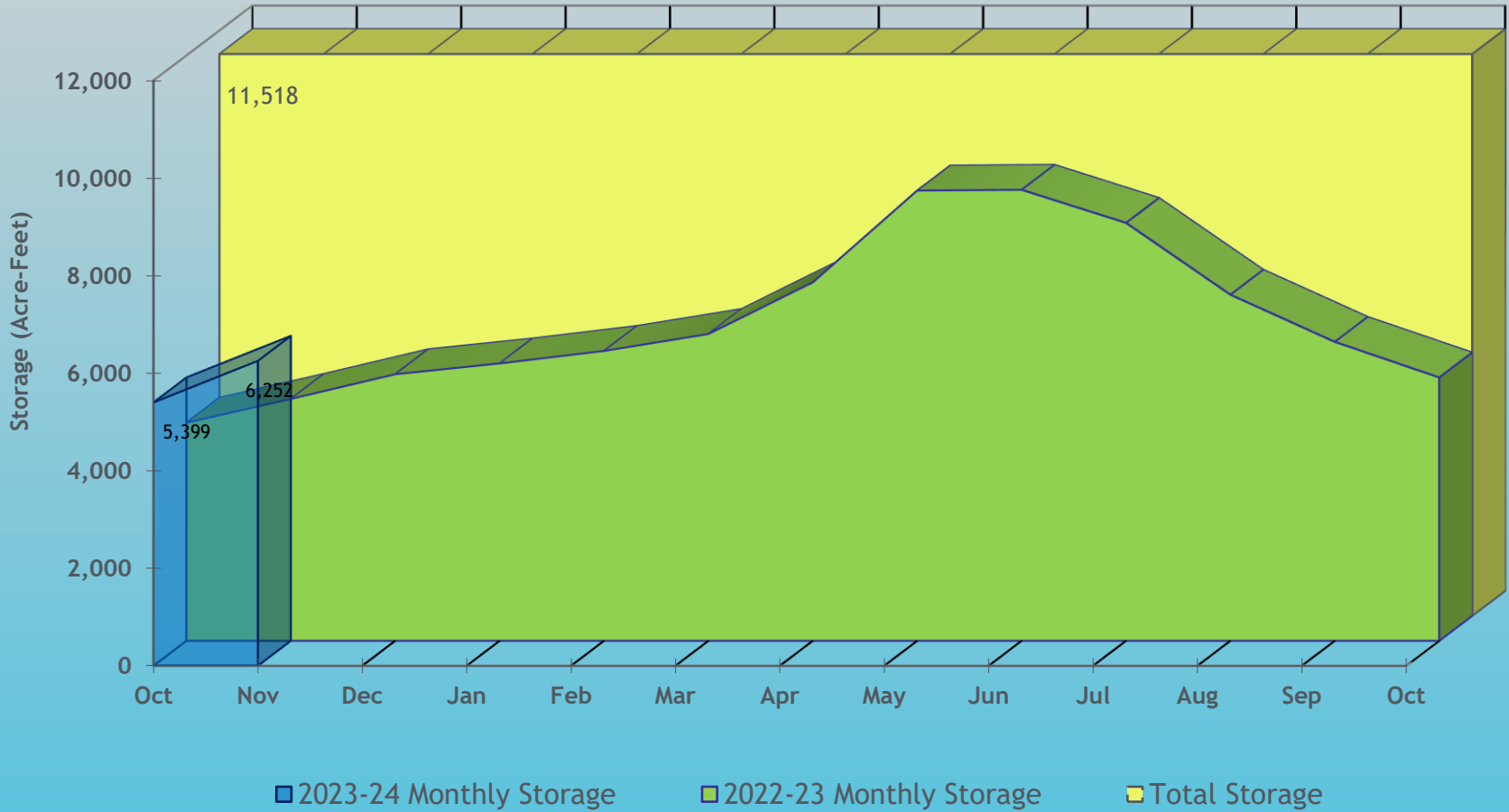
Fossil Creek Reservoir (District 3, Poudre River - Agricultural)



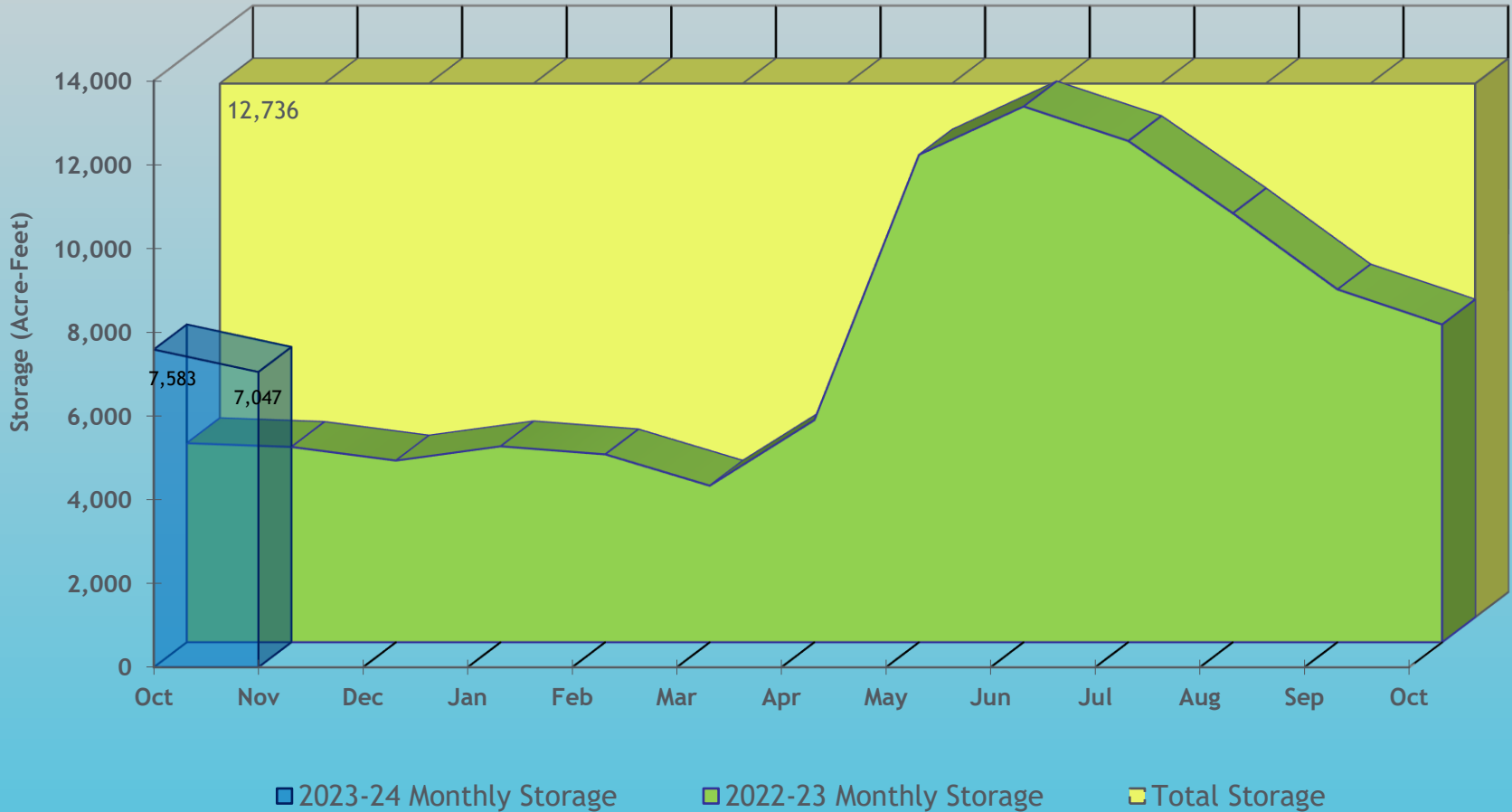
Halligan Reservoir (District 3, Poudre River - Agricultural)



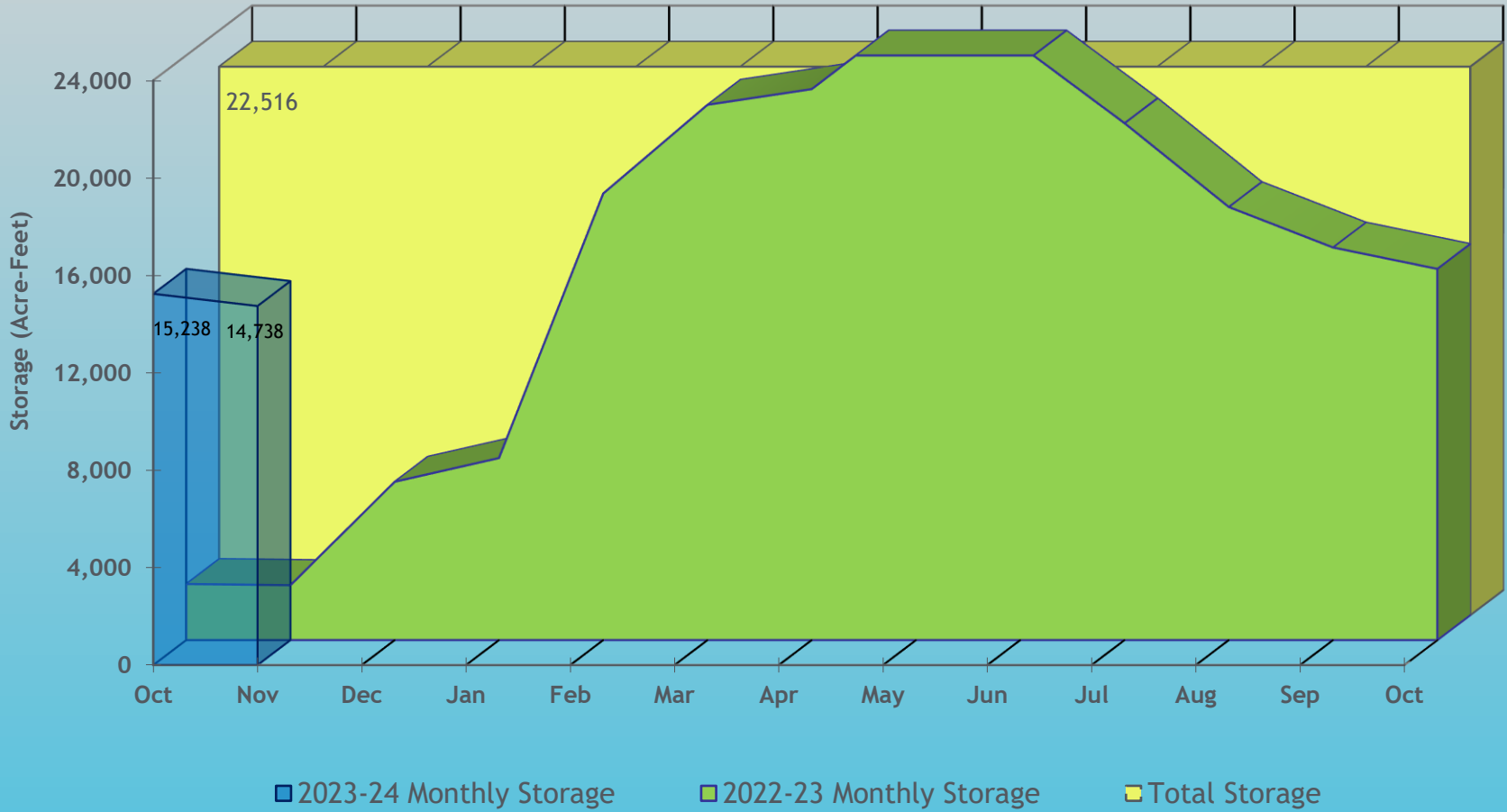
Marshall Lake (District 6, Boulder Creek - Agricultural)



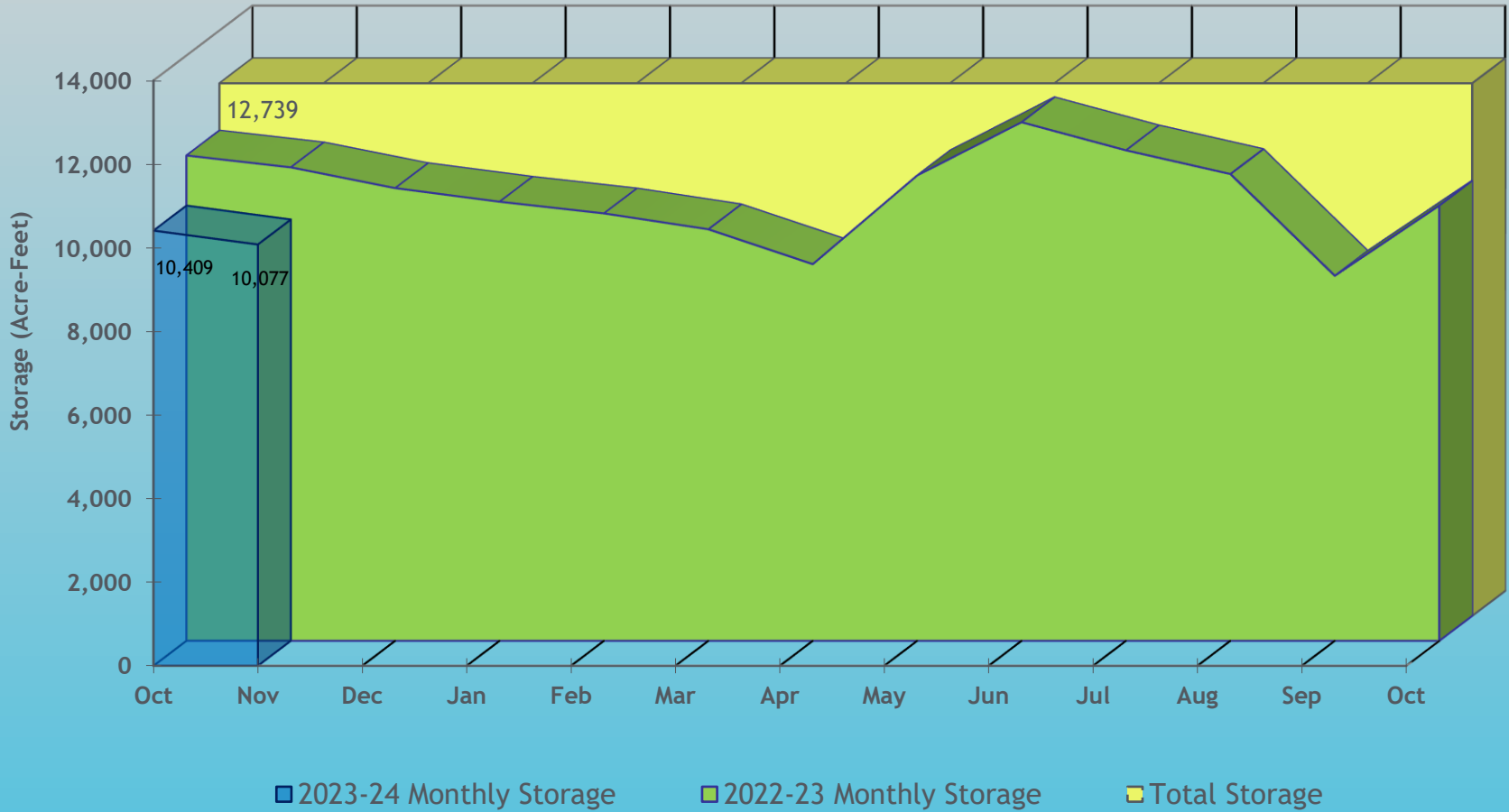
Loveland Greeley Reservoir (District 4, Big Thompson River - Agricultural)



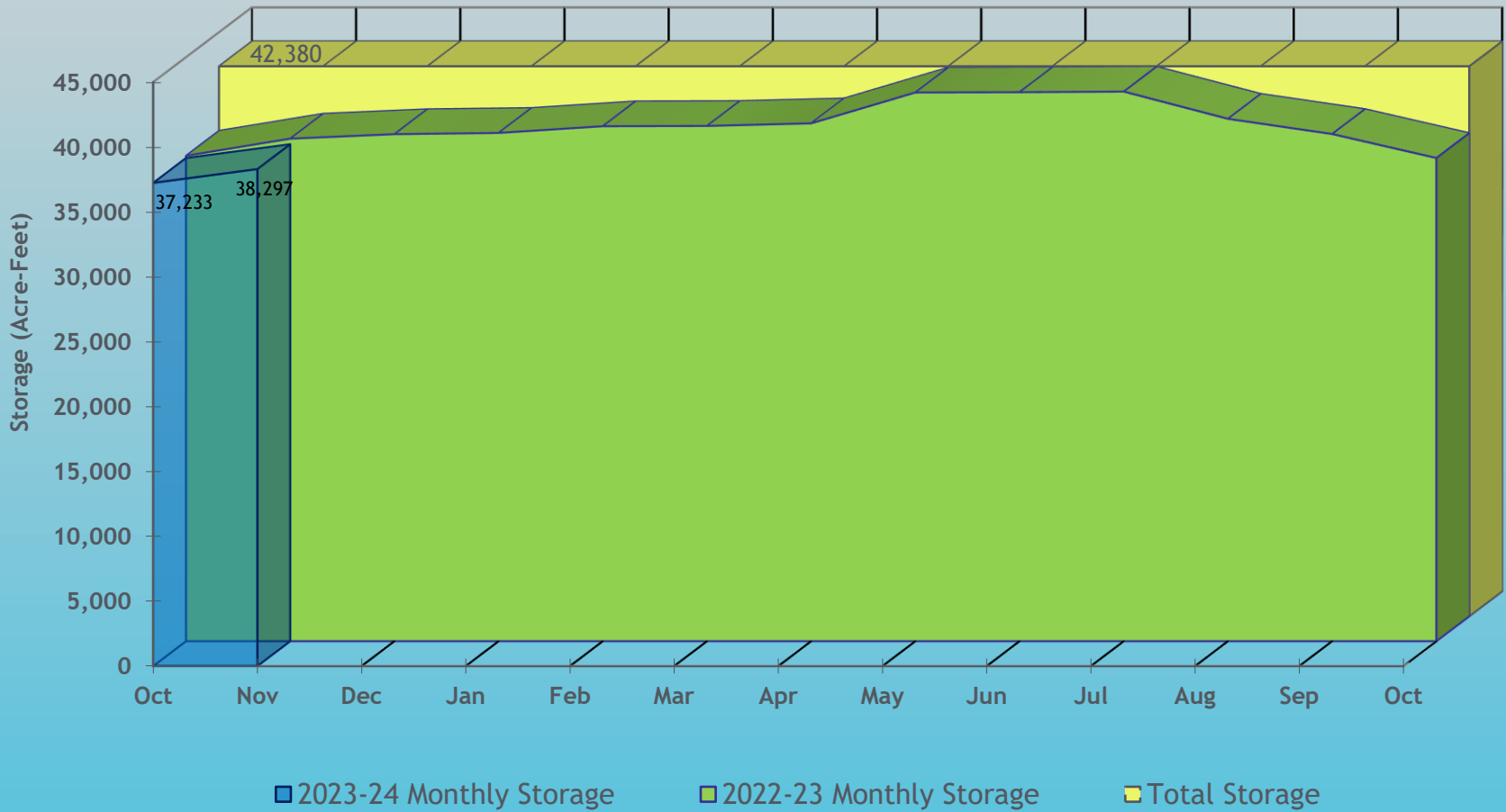
Milton Reservoir (District 2 - Agricultural)



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



Standley Lake (Agricultural)

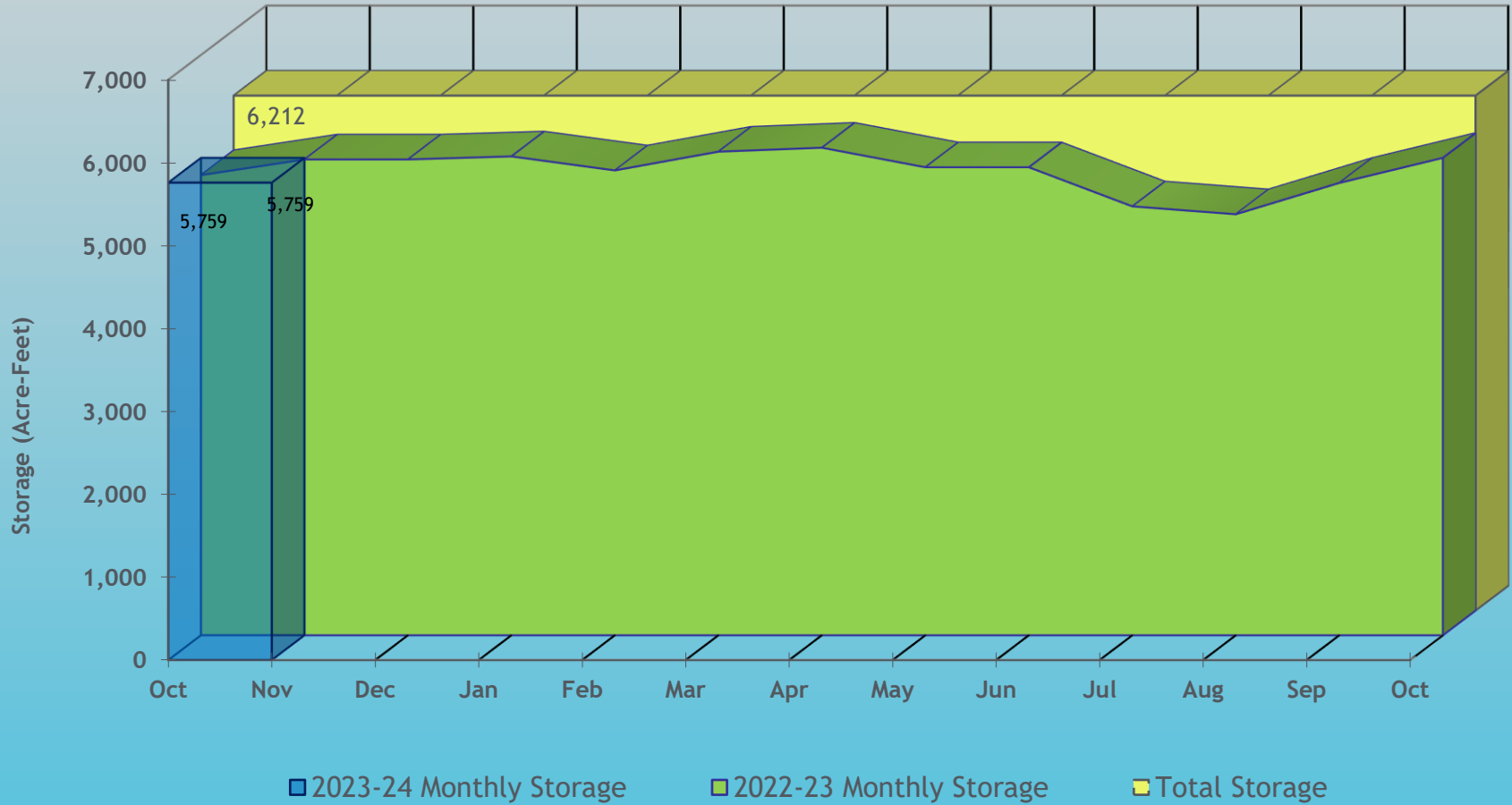


■ 2023-24 Monthly Storage

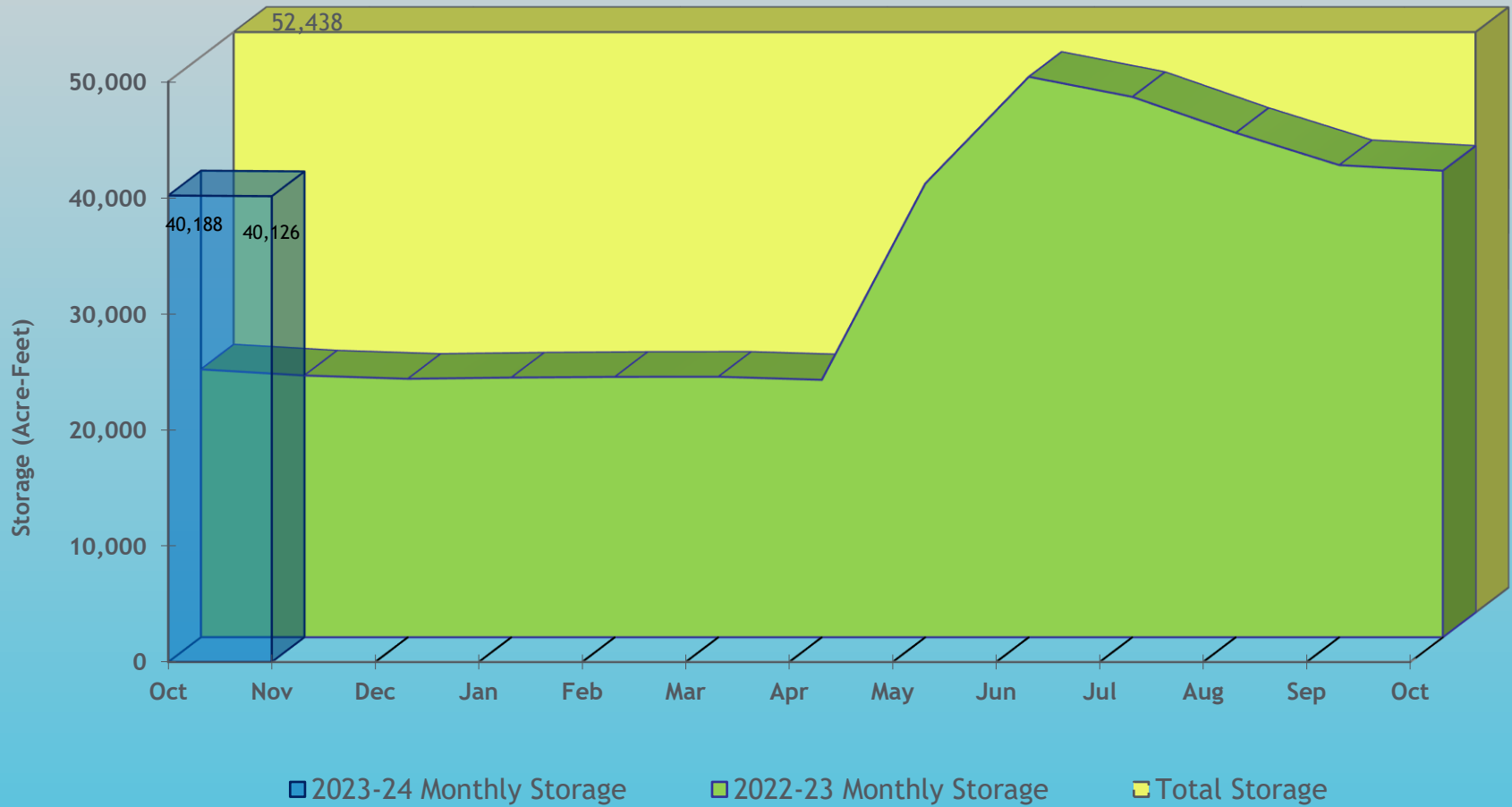
■ 2022-23 Monthly Storage

■ Total Storage

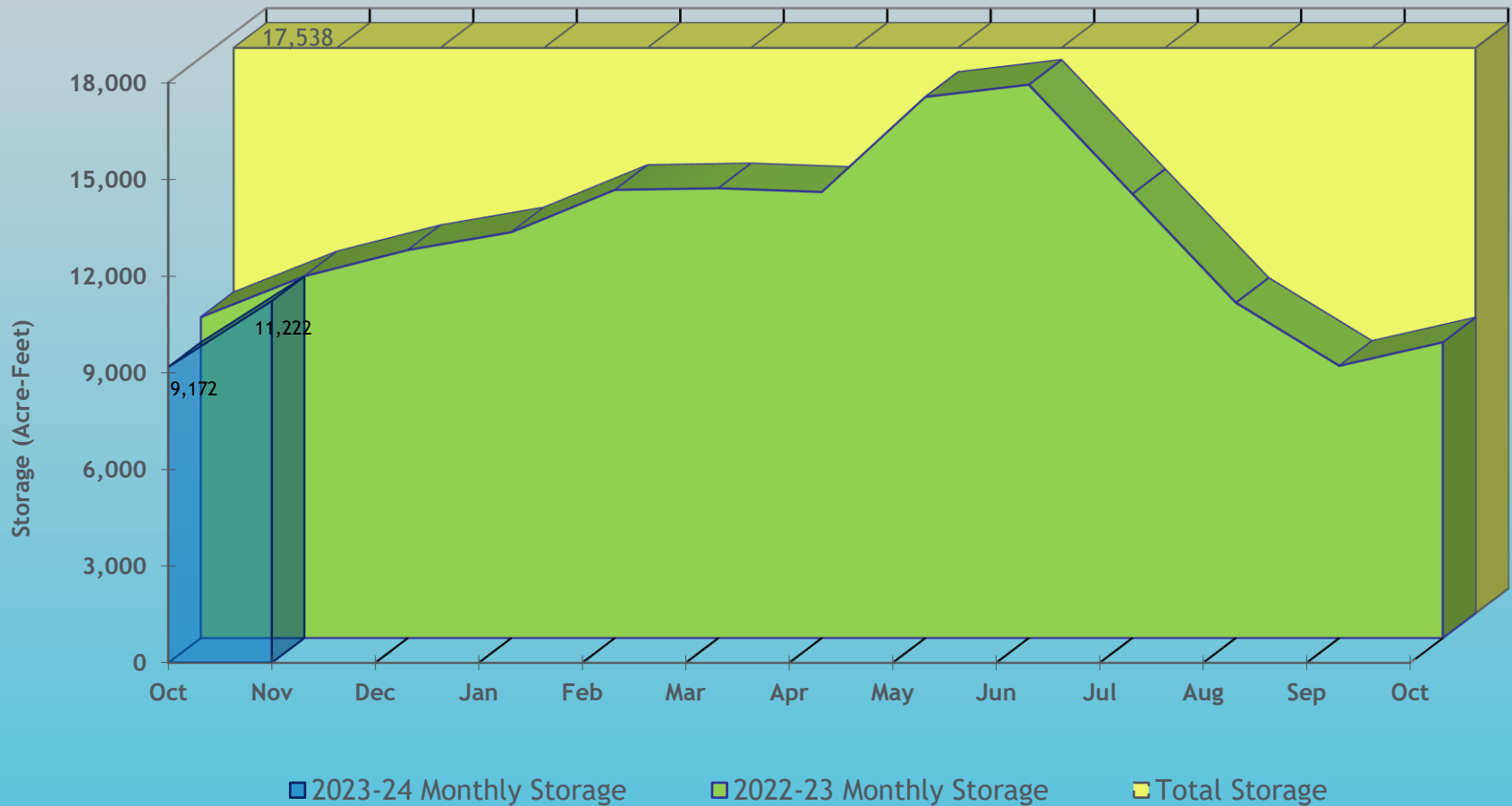
Lower Latham Reservoir (District 2 - Agricultural)



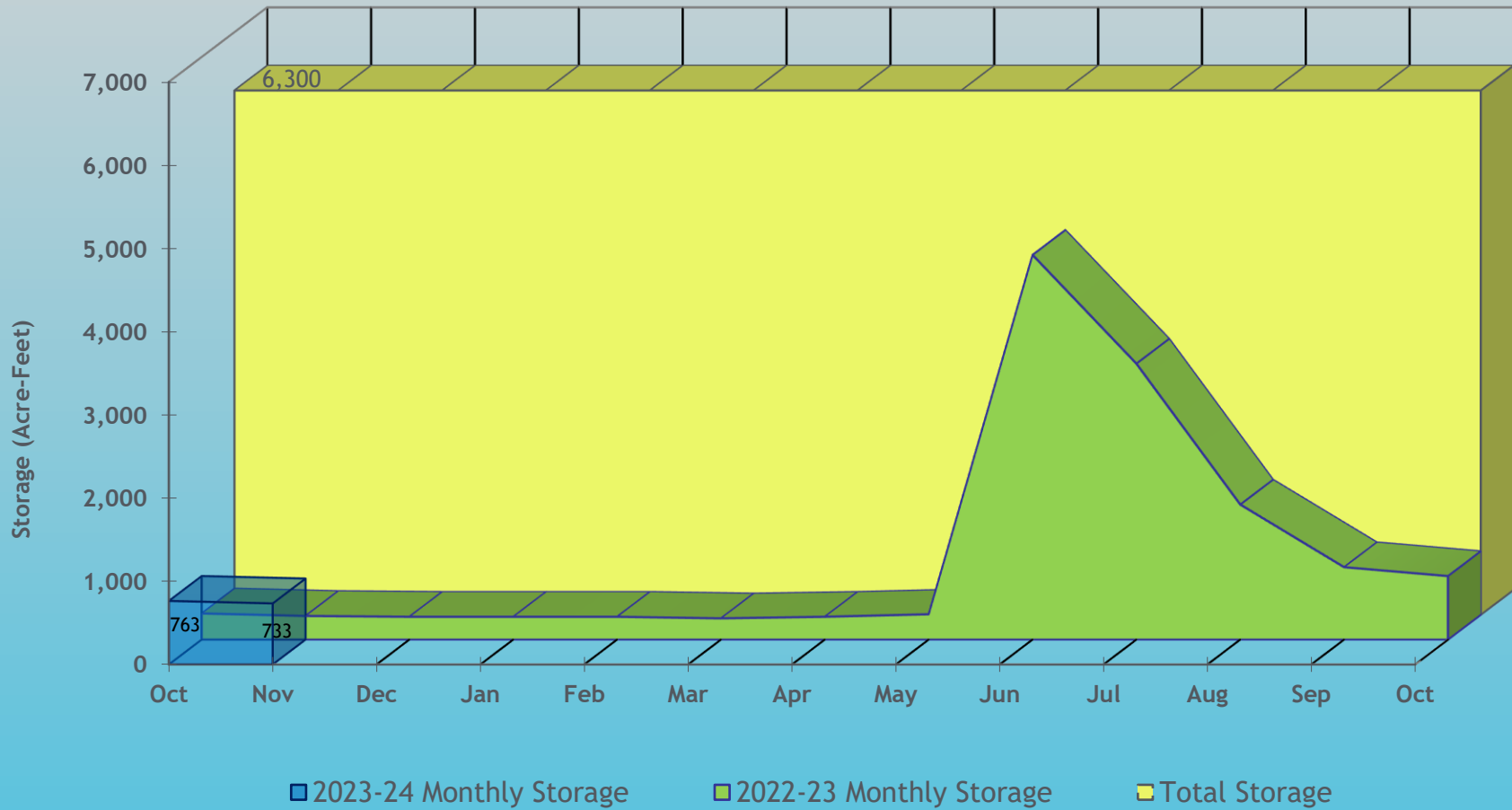
Boyd Lake (District 4, Big Thompson River - Agricultural)



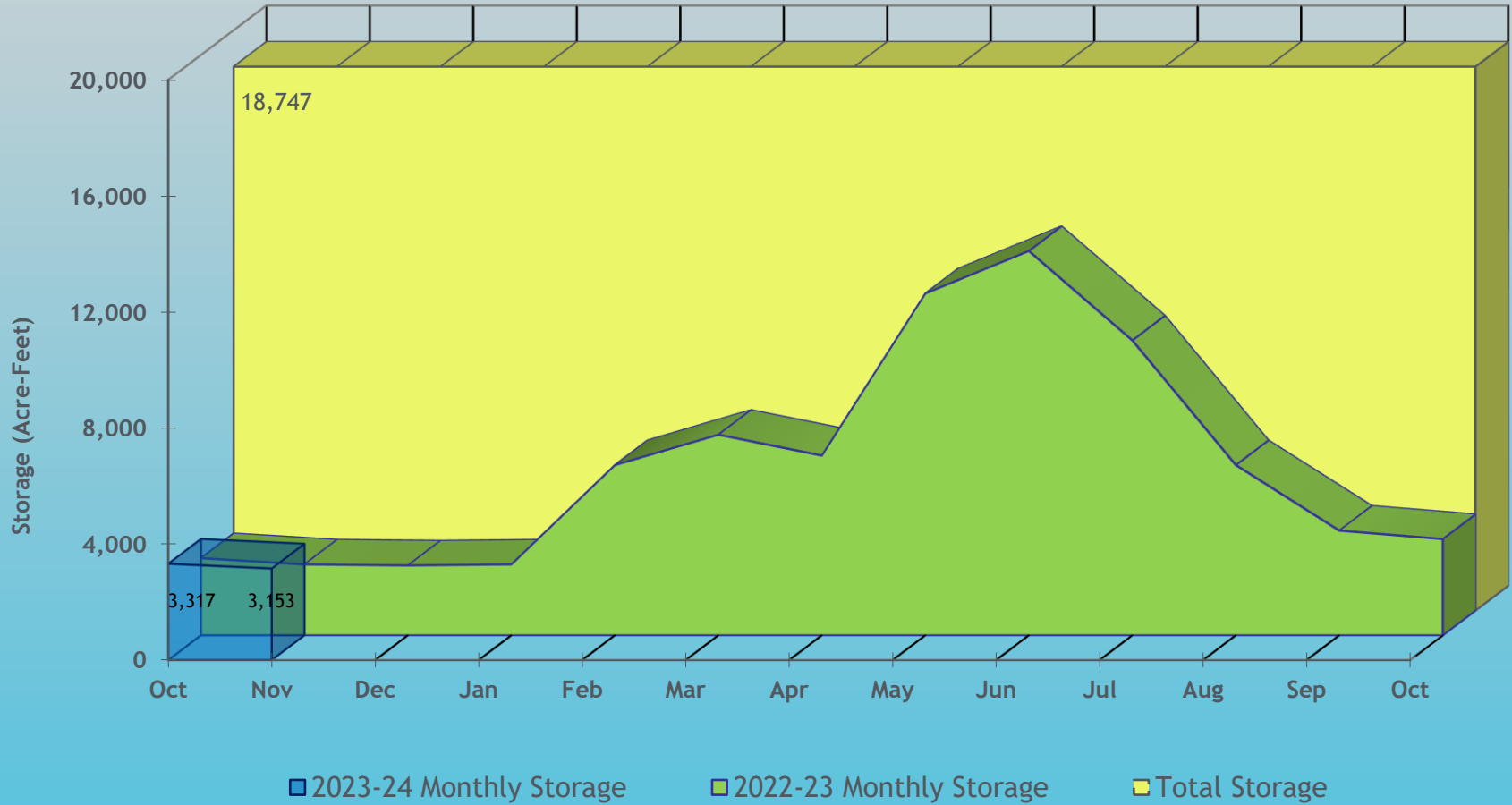
Windsor Reservoir (District 3, Poudre River - Agricultural)



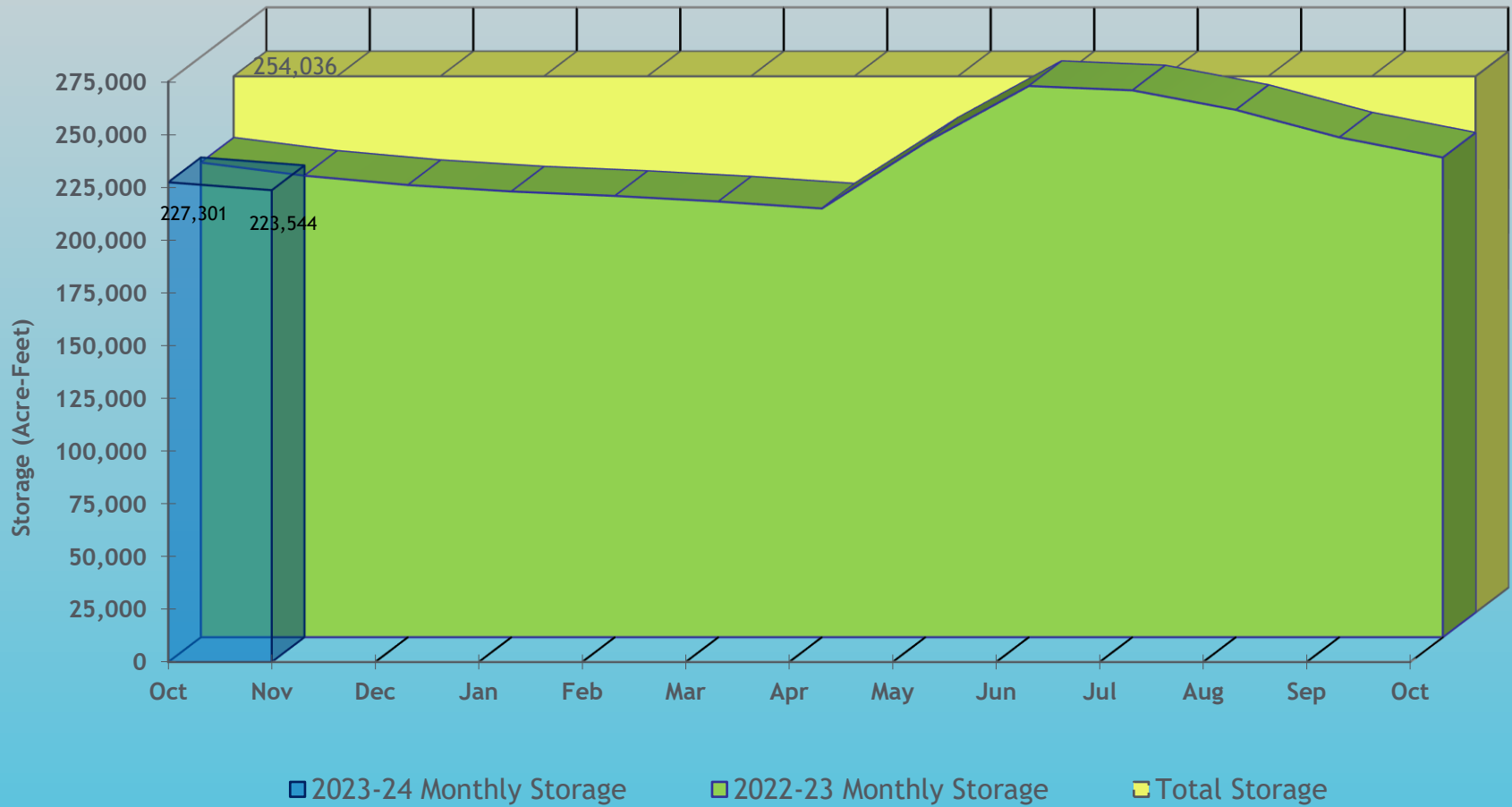
Prospect Reservoir (District 1 - Agricultural)



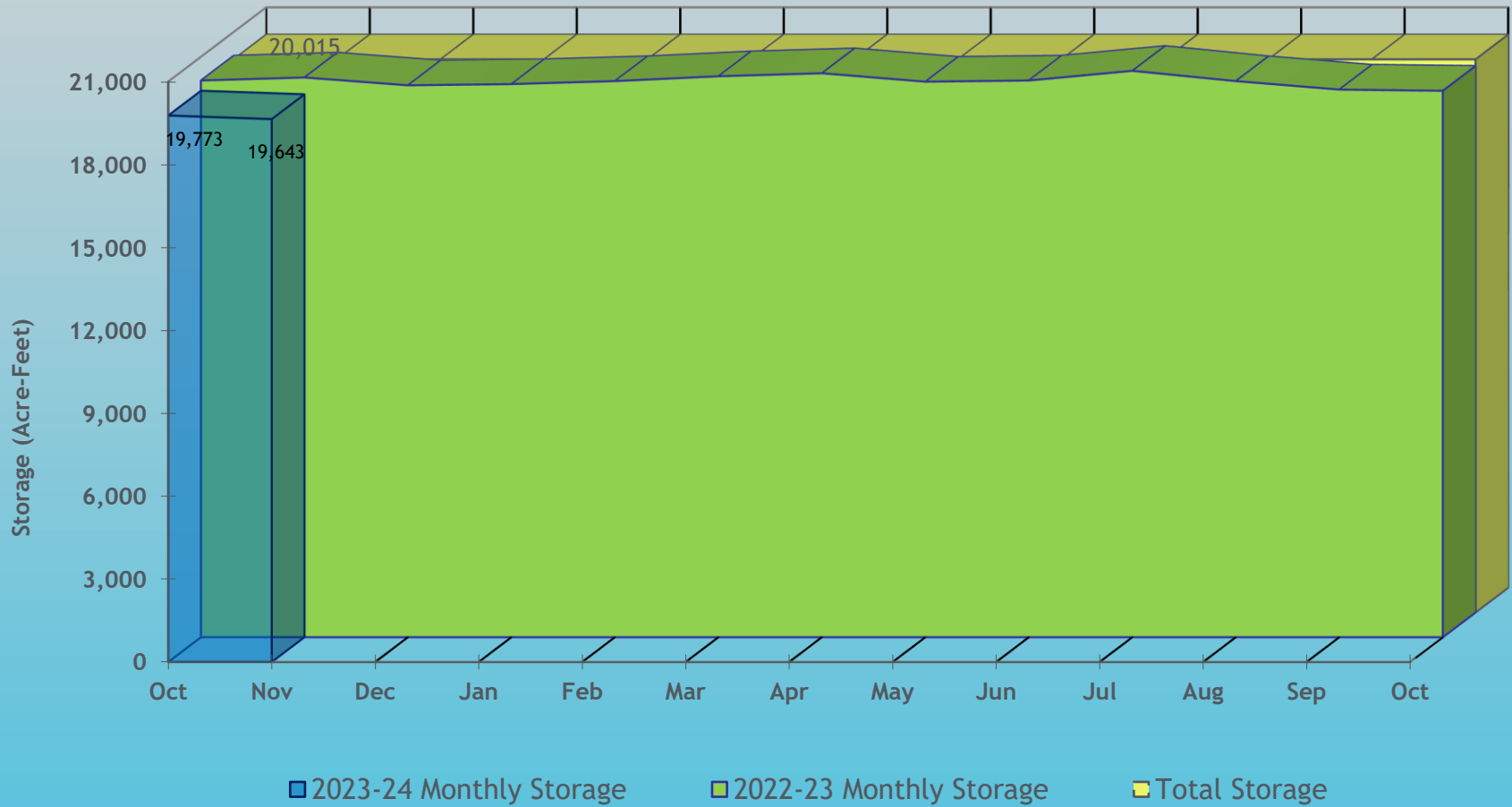
Horse Creek Reservoir (District 1 - Agricultural)



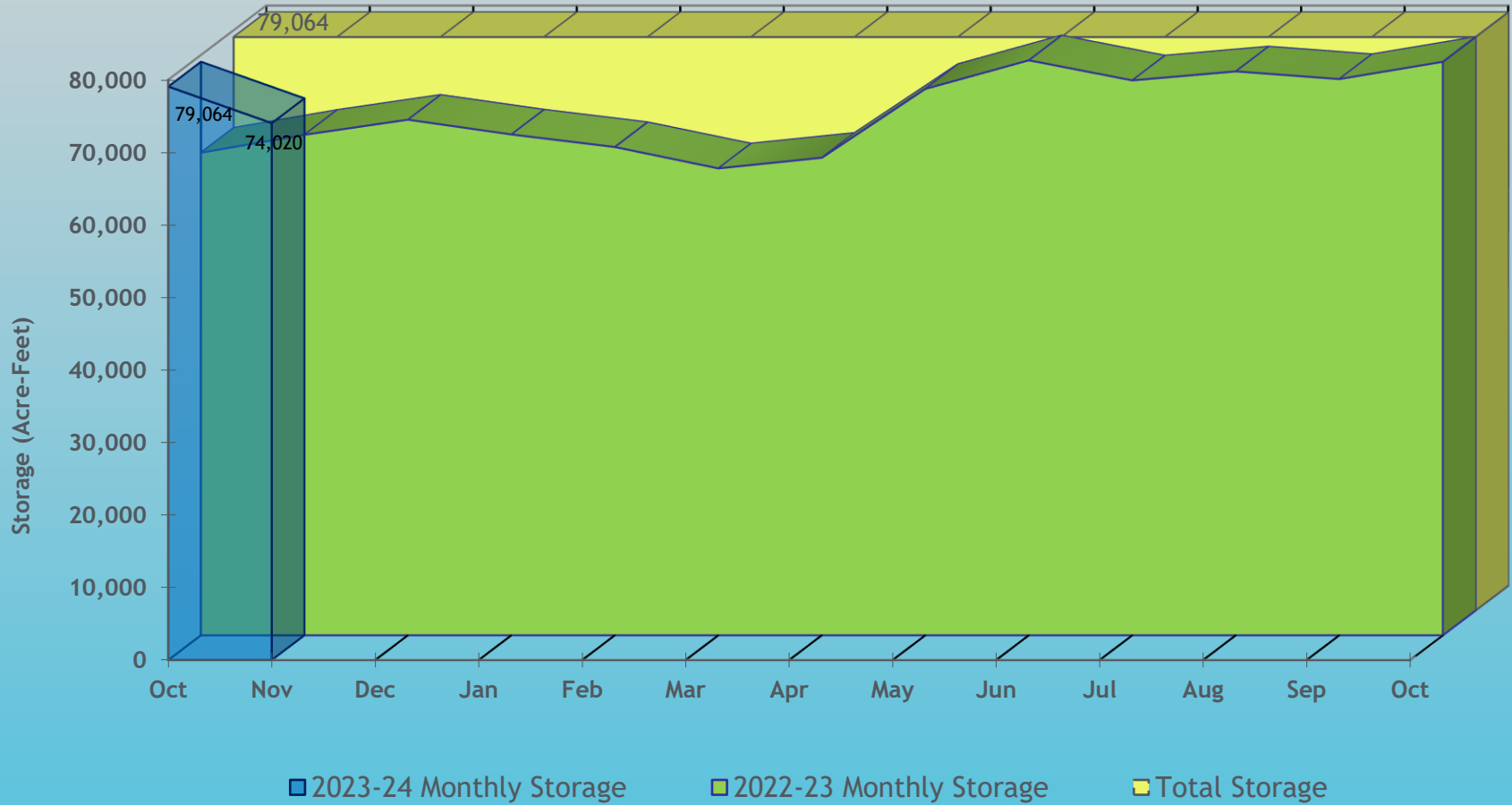
Dillon Reservoir (District 1 - Municipal)



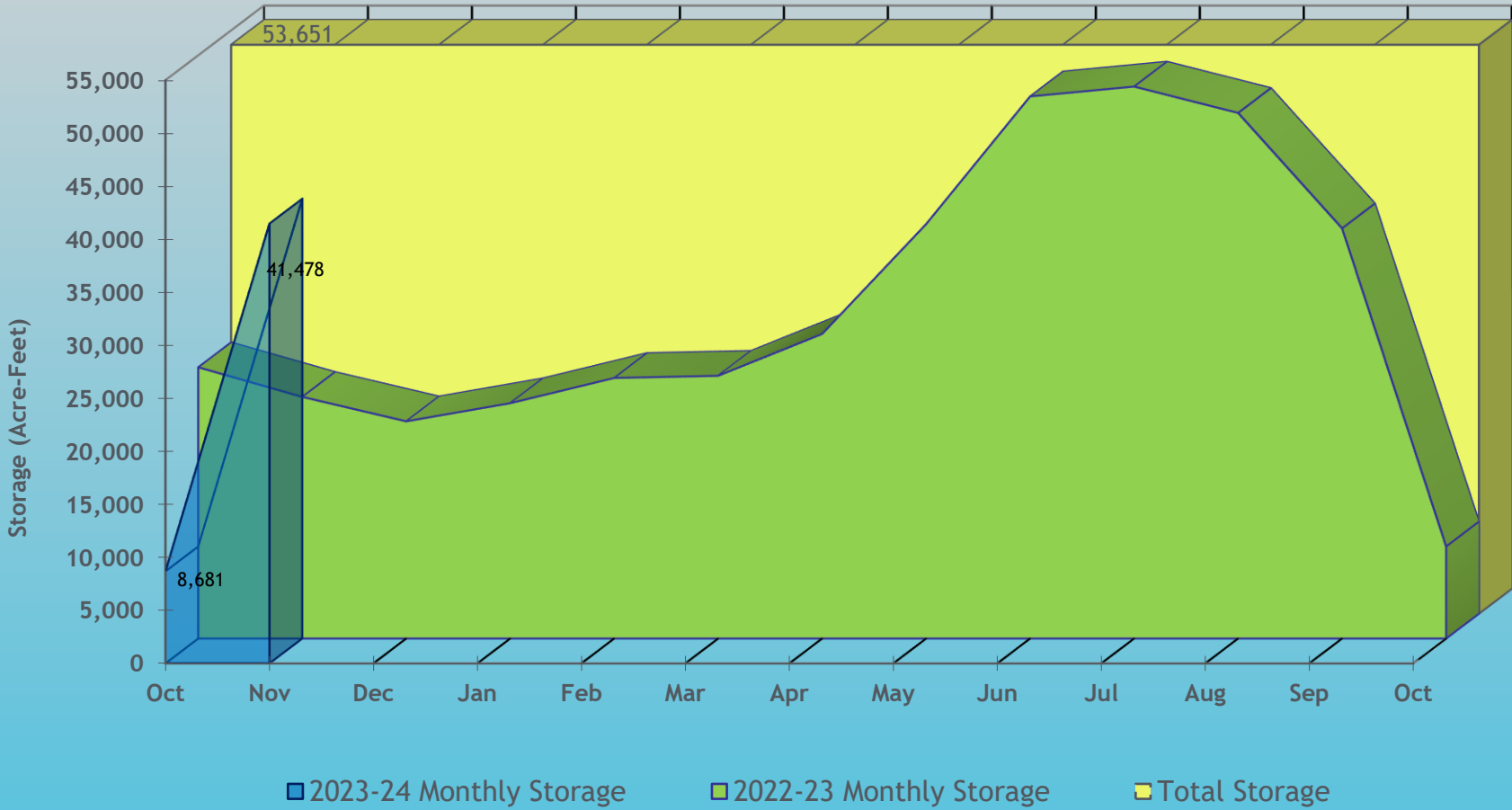
Antero Reservoir (District 23 - Municipal)



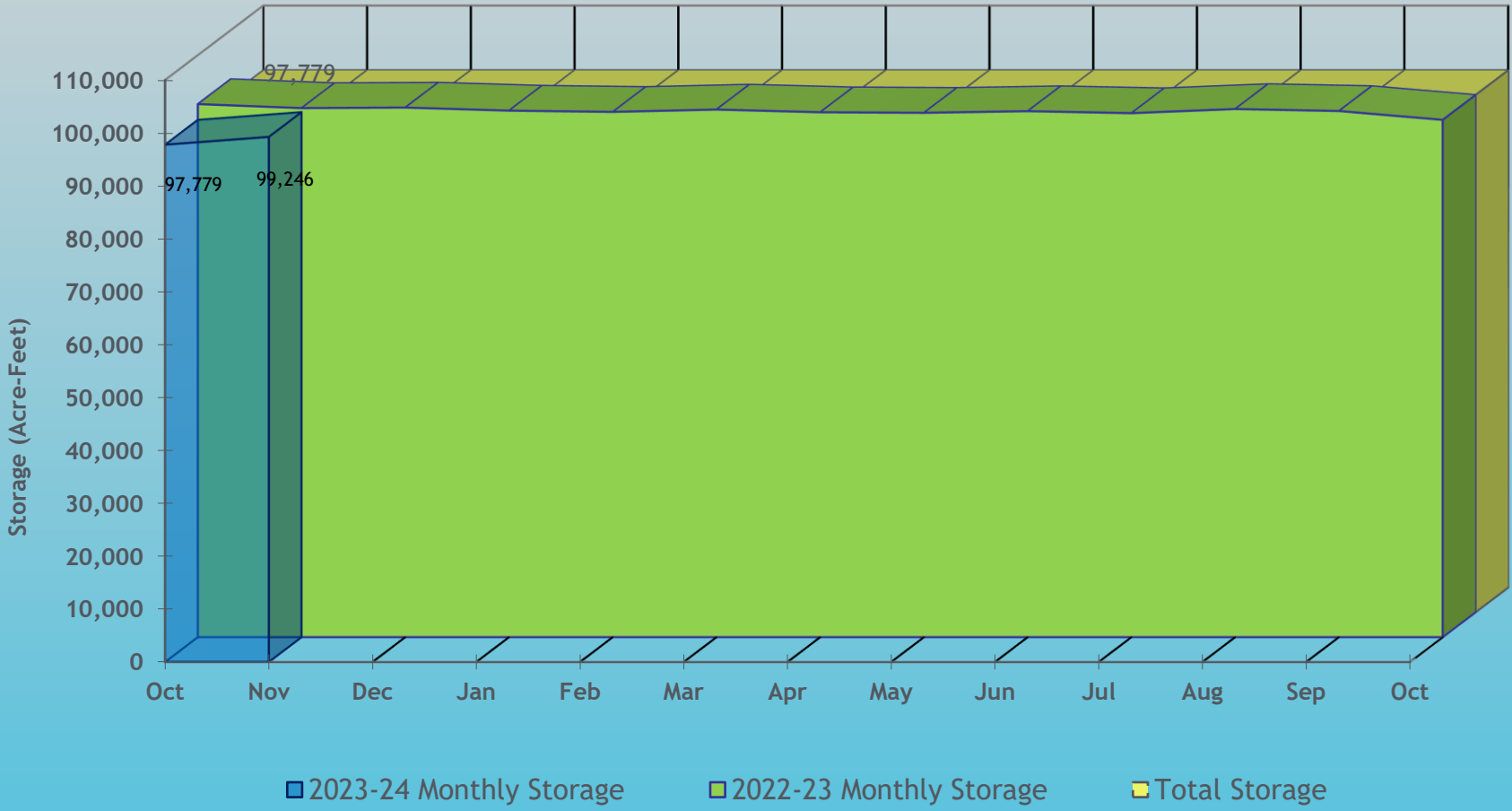
Cheesman Reservoir (District 80 - Municipal)



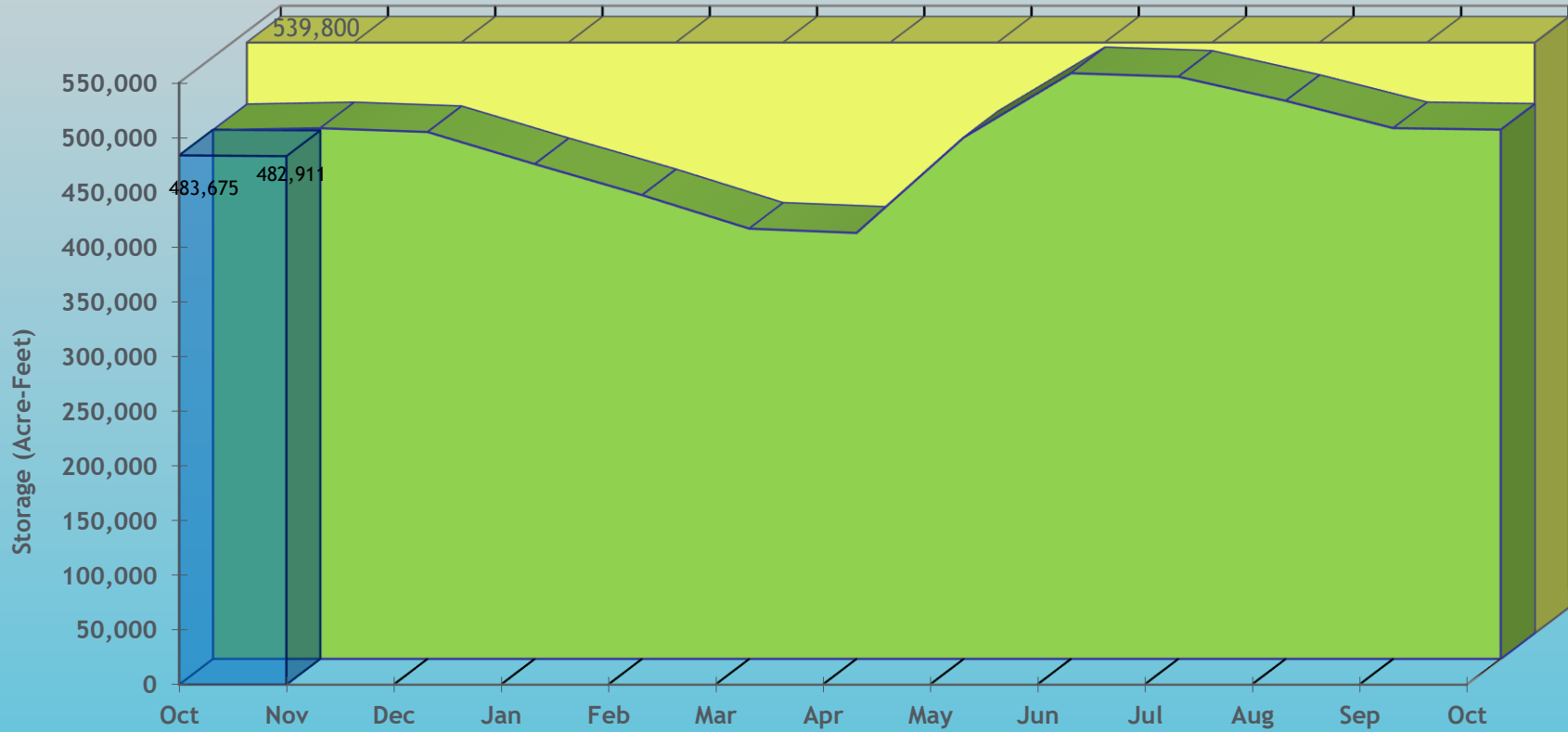
Spinney Mountain Reservoir (District 23 - Municipal)



Eleven Mile Reservoir (District 23 - Municipal)



Lake Granby



■ 2023-24 Monthly Storage

■ 2022-23 Monthly Storage

■ Total Storage

