



COLORADO
Division of Water Resources
Department of Natural Resources

South Platte Summary February 2024

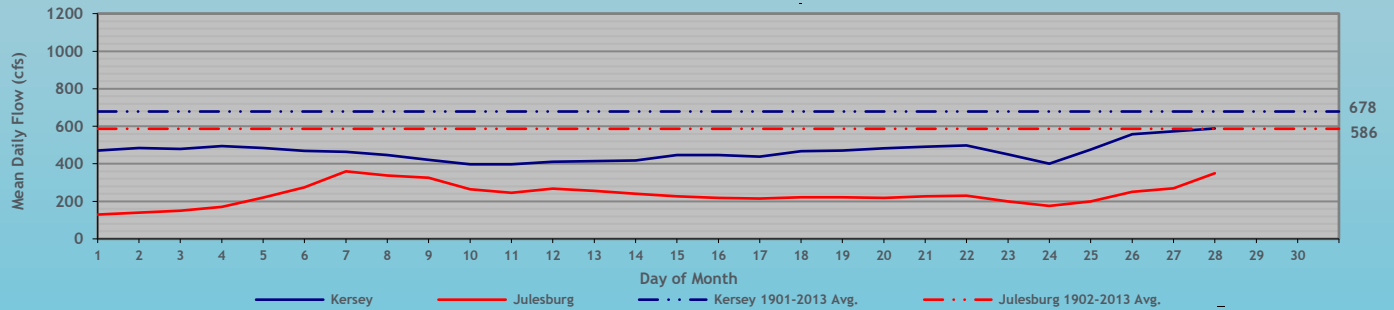
Compiled by Lee Cunning, P.E.

COLORADO DIVISION OF WATER RESOURCES, DIVISION 1

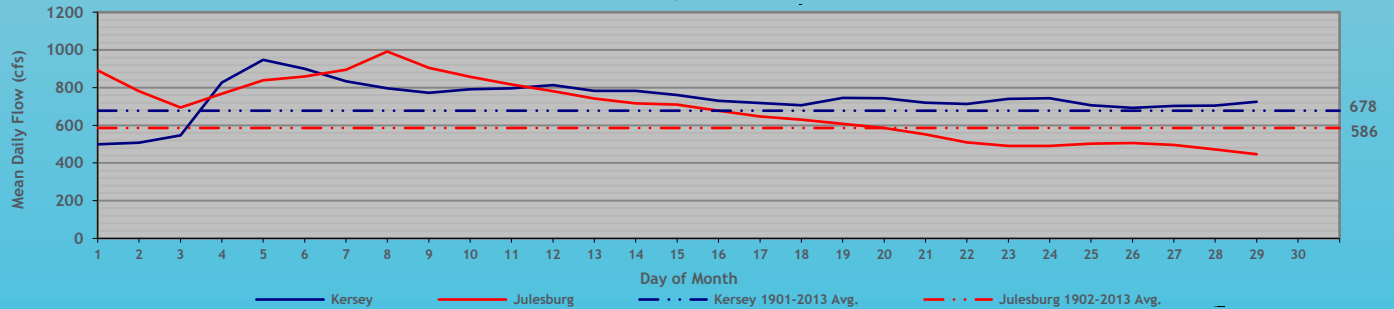
MONTH OF January 2024

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	15,350	14,994	64	-356	-2%	66%	64%	0
N STERLING	73,730	72,868	73,439	64	571	1%	100%	52%	0
PREWITT	28,500	27,790	28,597	64	807	3%	100%	79%	97
JACKSON	27,257	25,213	26,504	1	1,291	5%	97%	91%	0
EMPIRE	37,700	22,205	28,632	1	6,427	29%	76%	82%	0
RIVERSIDE	63,113	52,532	61,294	1	8,762	17%	97%	90%	0
BARR LAKE	32,152	23,956	28,254	2	4,298	18%	88%	57%	0
CHEESMAN	79,064	68,831	65,502	80	-3,329	-5%	83%	85%	0
ELEVEN MILE	97,779	99,315	99,349	23	34	0%	100%	100%	1,570
SPINNEY	53,651	44,152	45,542	23	1,390	3%	85%	46%	0
ANTERO	20,015	20,210	20,494	23	284	1%	100%	100%	479

KERSEY and JULESBURG
February 2023

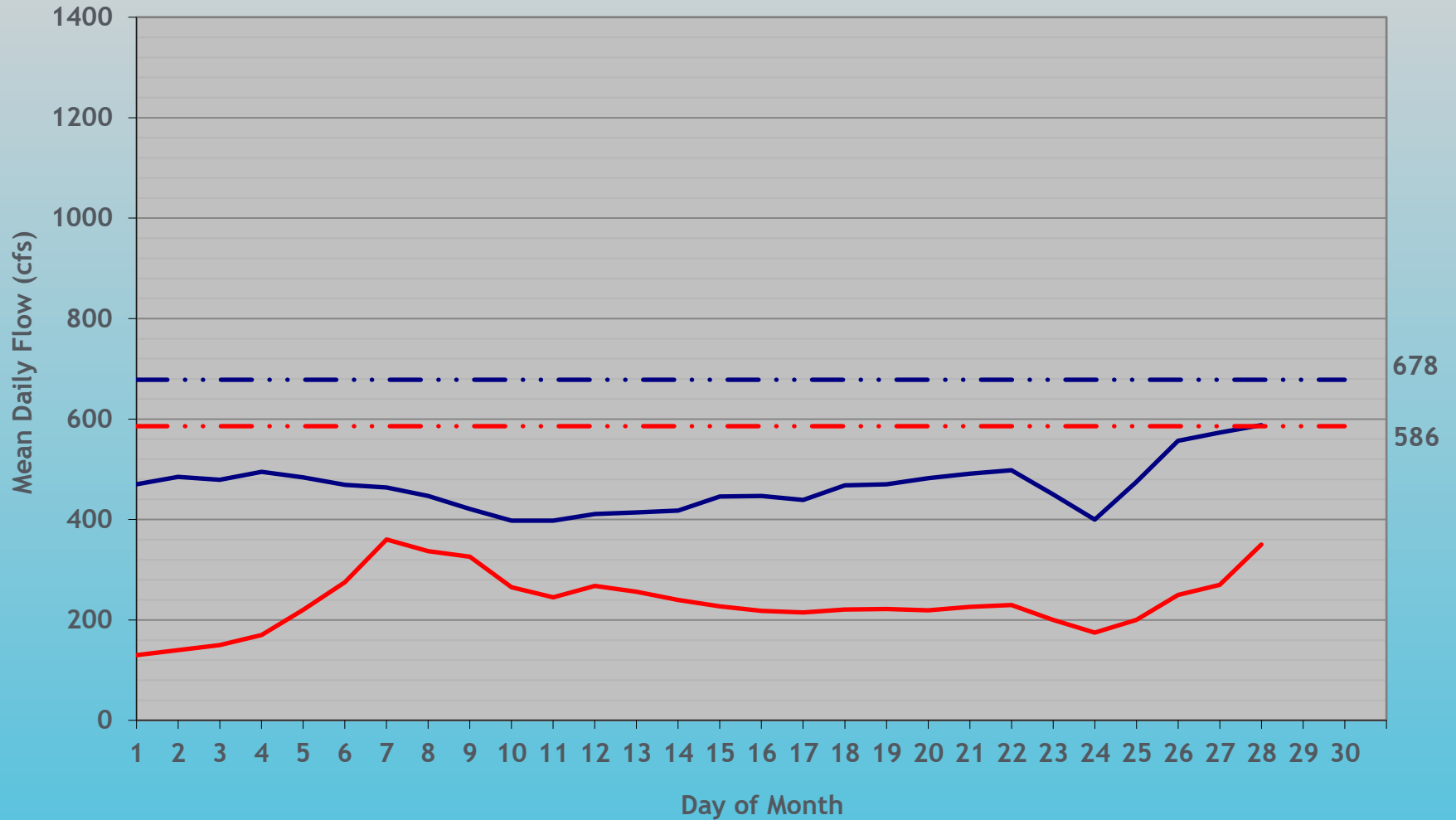


KERSEY and JULESBURG
February 2024



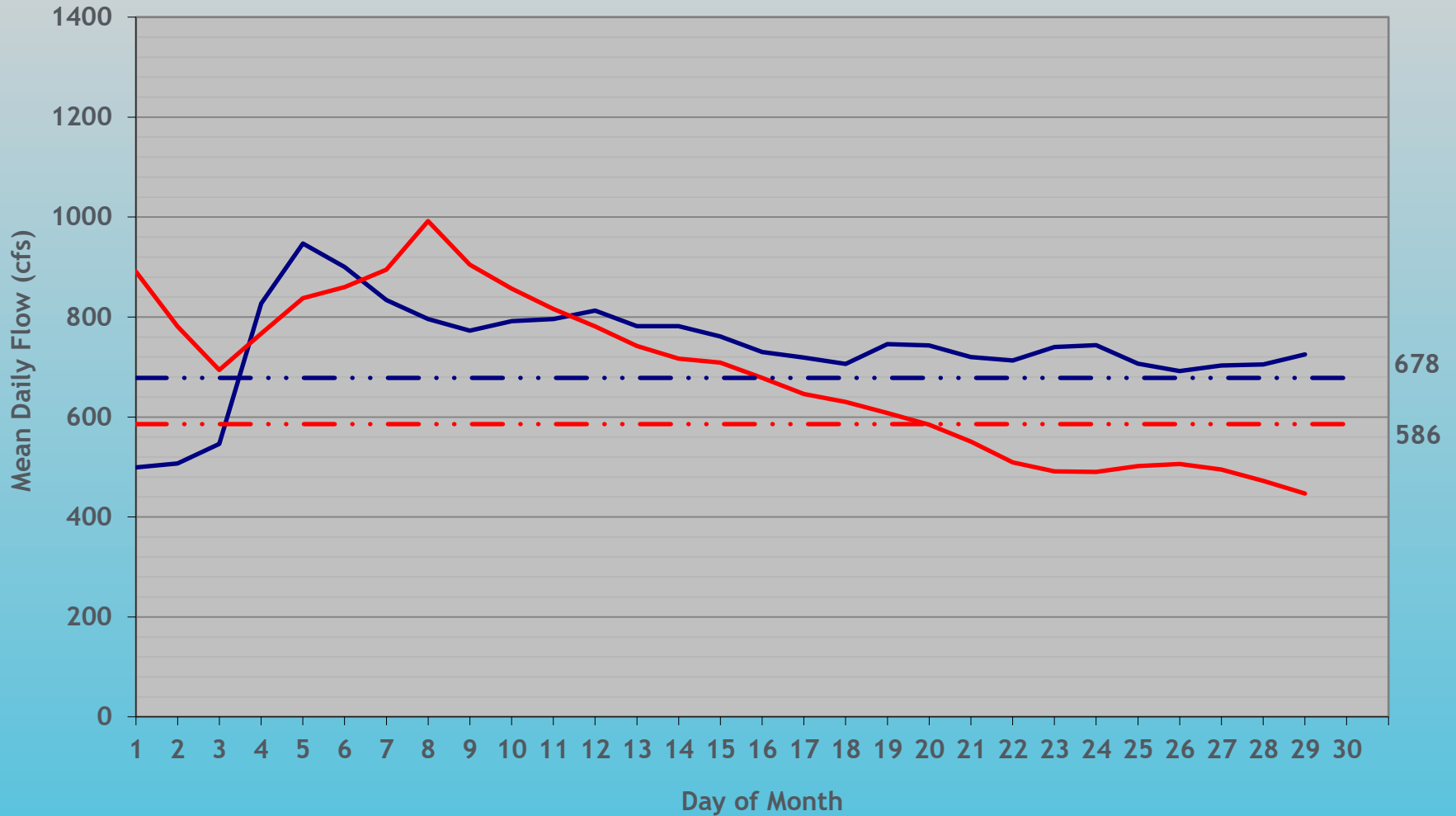
RIVER GAGES	MEAN DAILY FLOW (CFS)
KERSEY	740
JULESBURG	685
THIS MONTH LAST YEAR	
KERSEY	466
JULESBURG	236
MEAN FOR PERIOD OF RECORD*	
KERSEY	678
JULESBURG	586
*Kersey 1901 - 2016	
*Julesburg 1902 - 2016	

KERSEY and JULESBURG February 2023



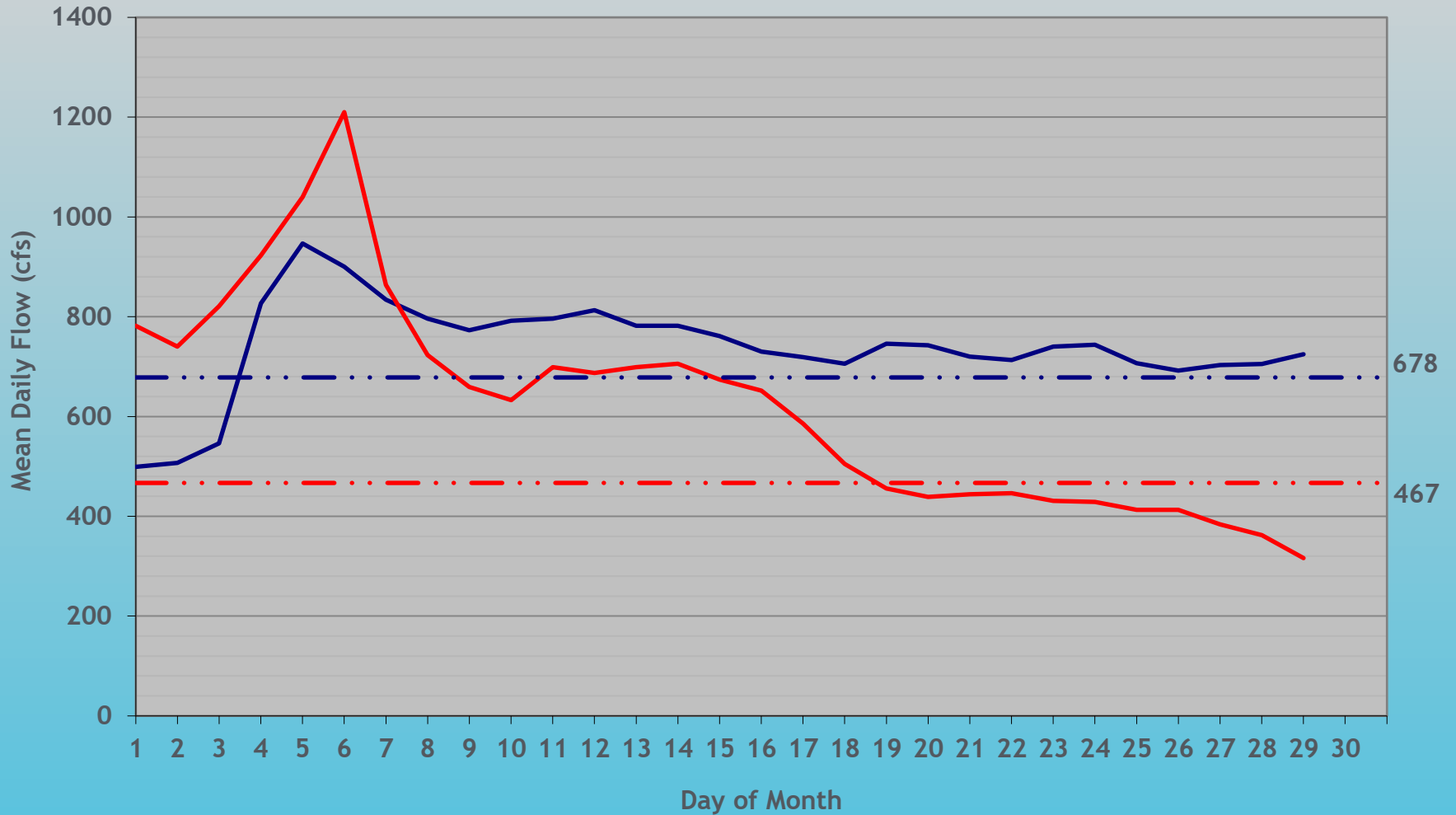
— Kersey — Julesburg — · Kersey 1901-2013 Avg. — · Julesburg 1902-2013 Avg.

KERSEY and JULESBURG February 2024



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

KERSEY and BALZAC February 2024



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

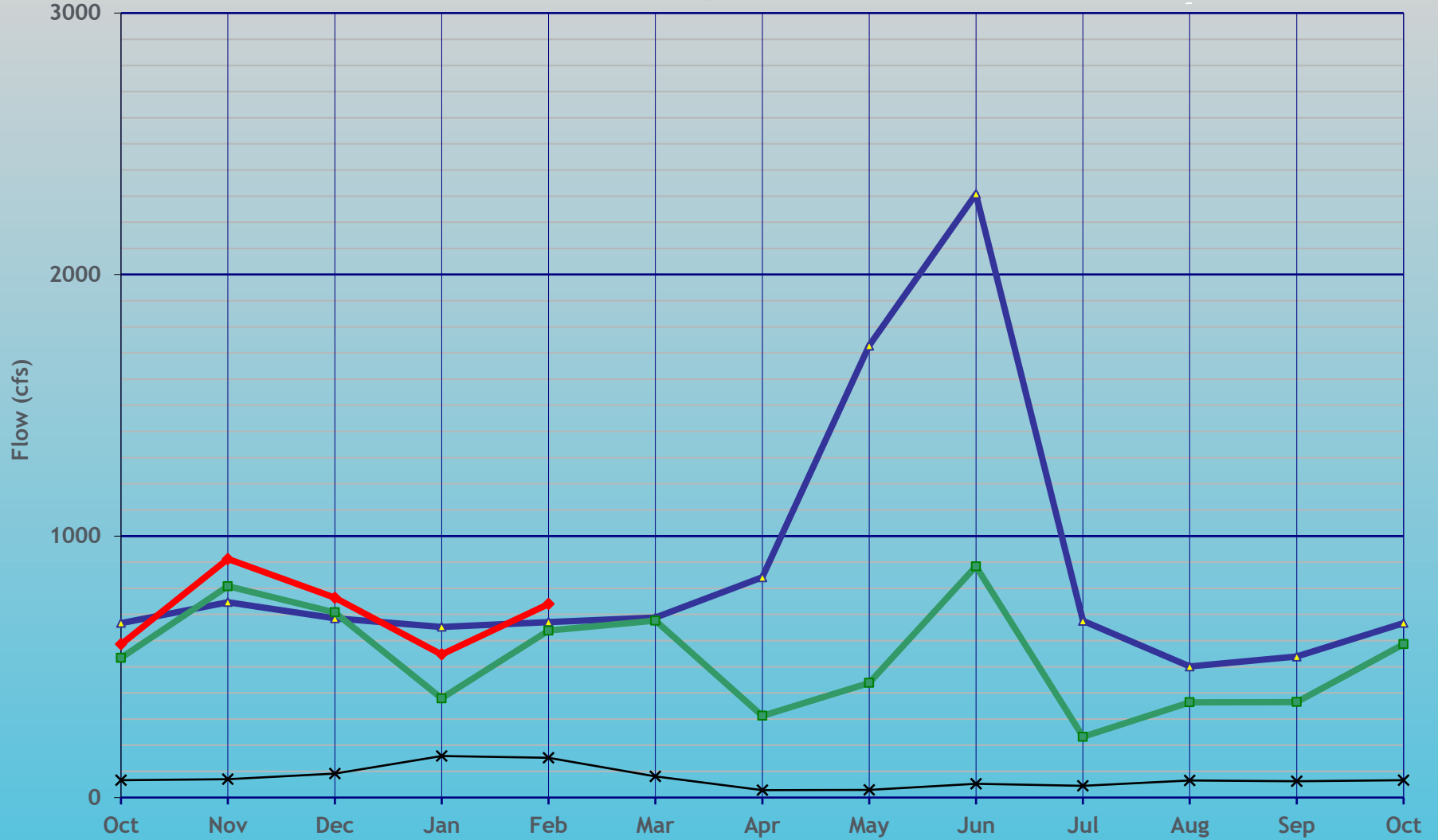


South Platte River Monthly Stream Flow (cfs) Statistics

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	547	Jan	512	2510	1970	21	2003	885
Feb	671	3060	1914	152	1935	740	Feb	578	3220	1930	29	2005	625
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



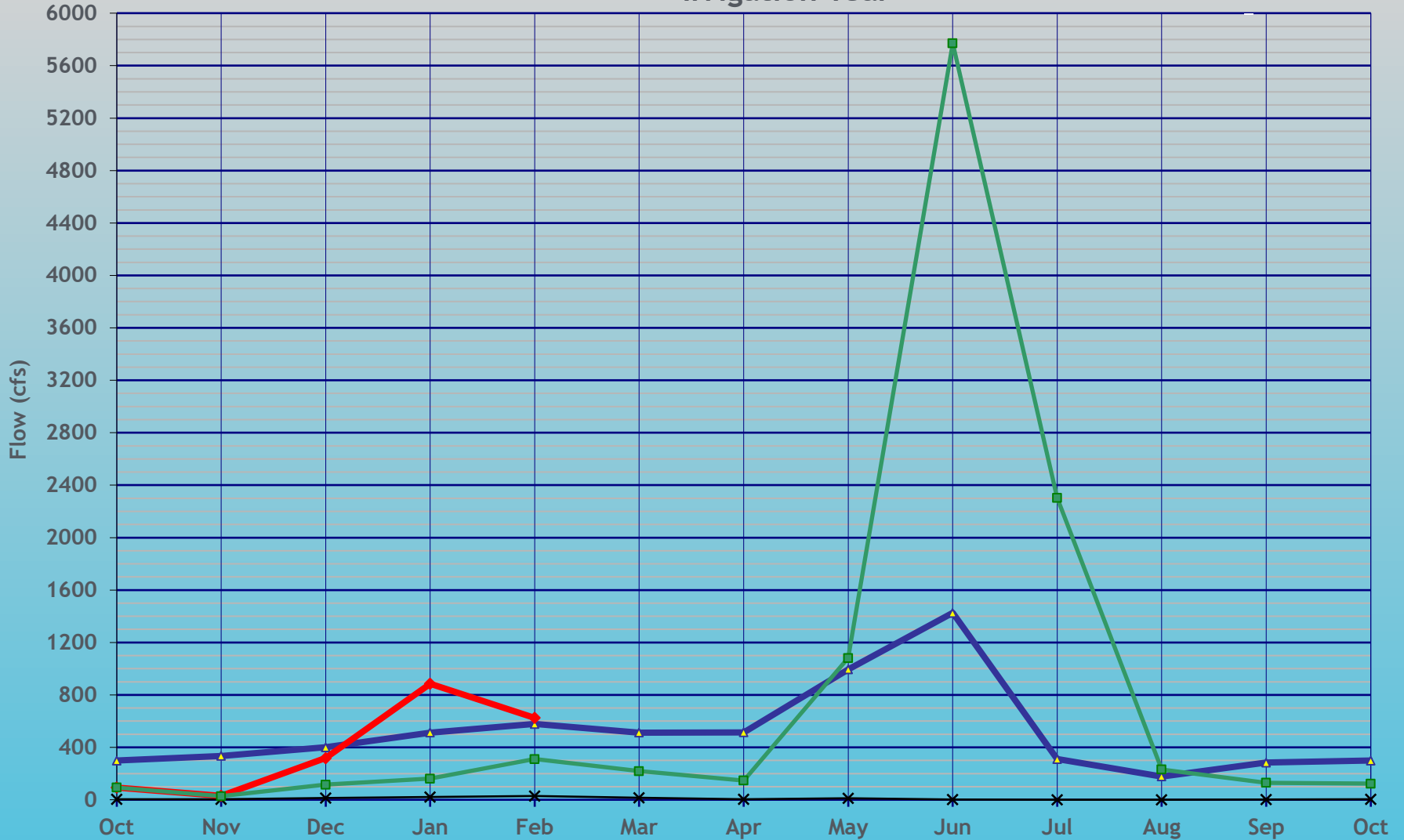
—▲— Historic* Mean Flow —×— Historic* Min Flow —◆— 2023-2024 Mean Flow —■— 2022-2023 Mean Flow

*1901-2021



South Platte River at Julesburg

Irrigation Year



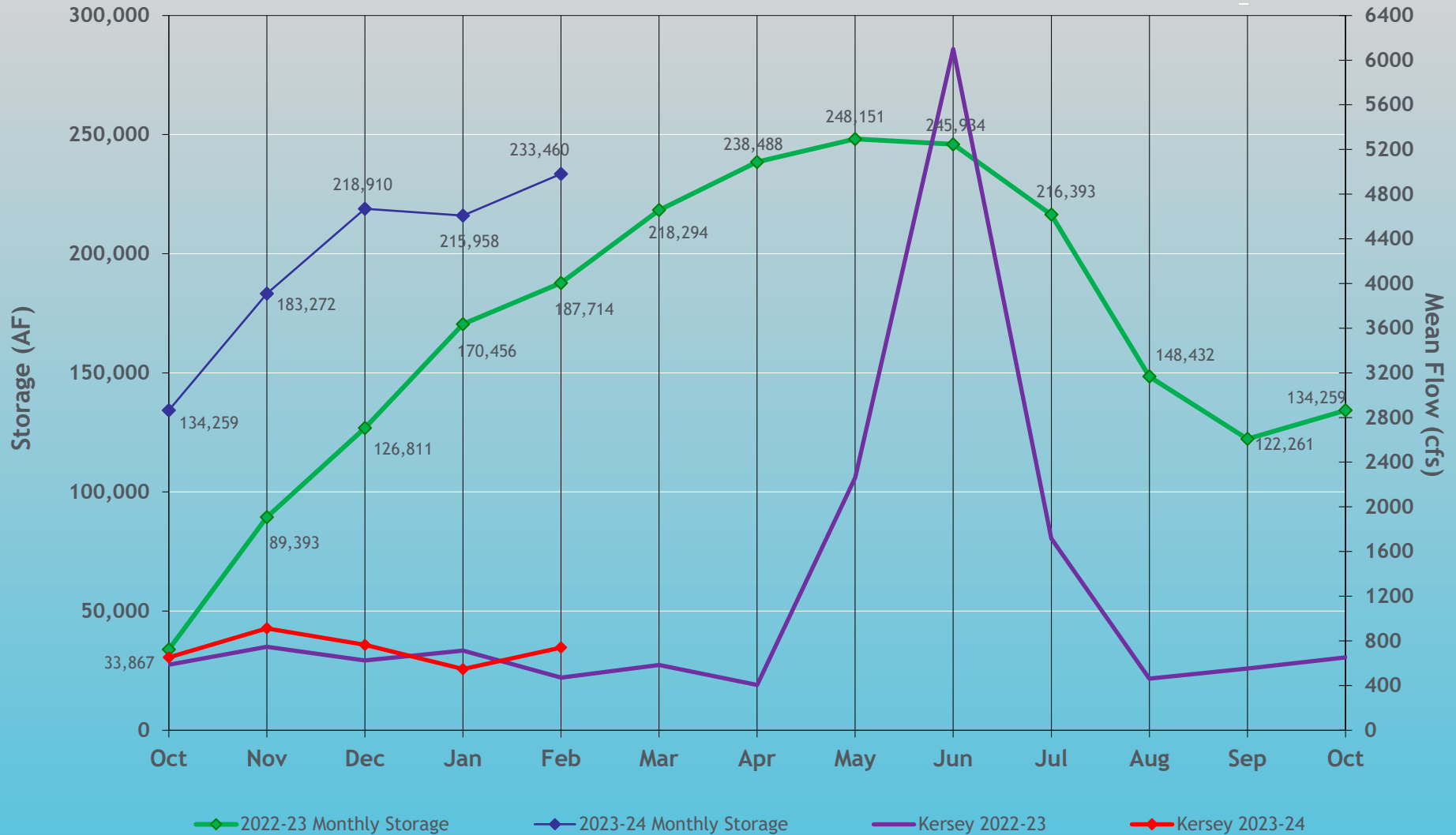
—▲— Historic* Mean Flow —*— Historic* Min Flow —◆— 2023-2024 Mean Flow —■— 2022-2023 Mean Flow

*1901-2021



Reservoir Storage below Kersey

Selected Reservoirs*

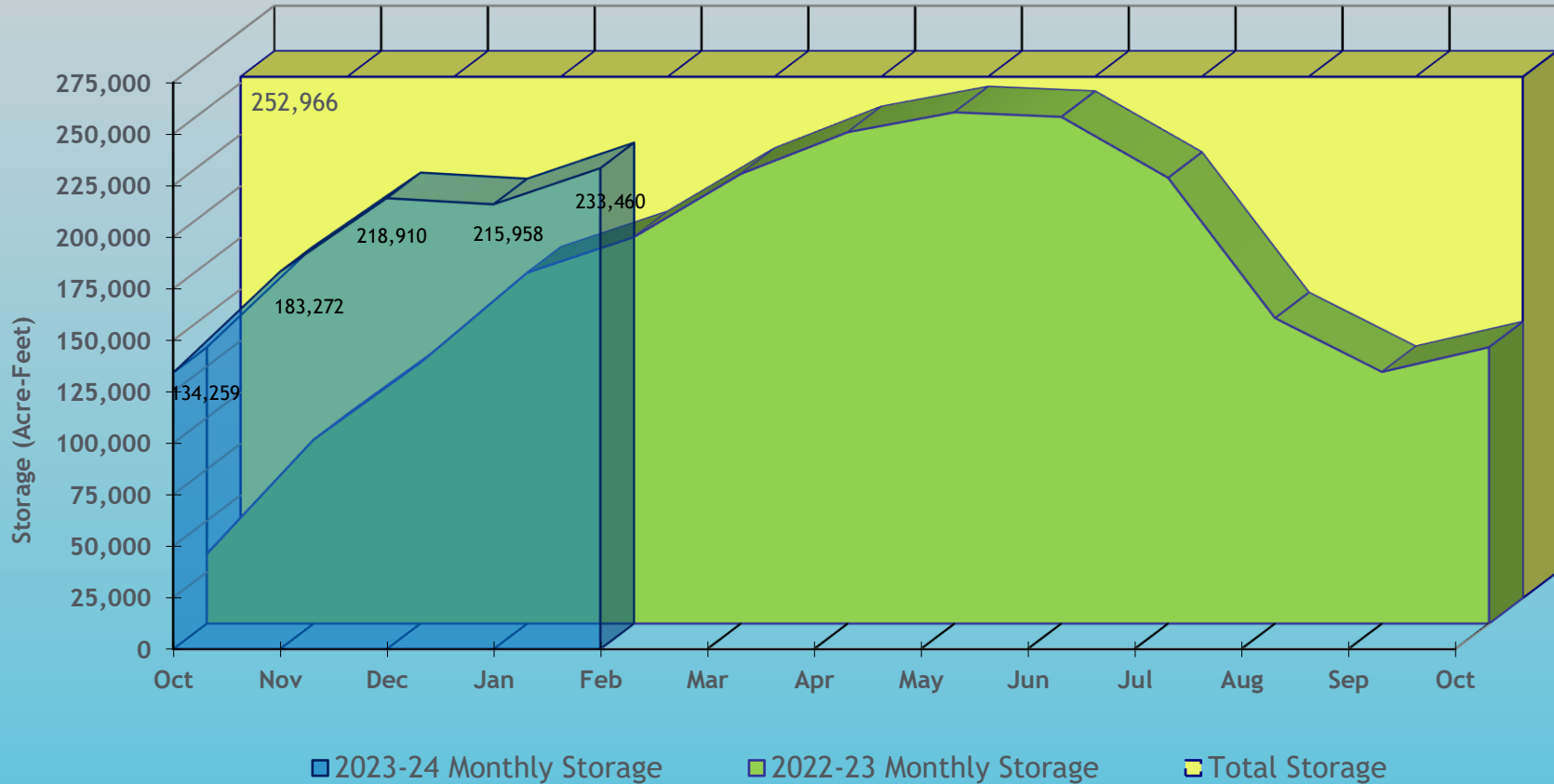


*Empire, Riverside, Jackson, Prewitt, North Sterling, & Julesburg



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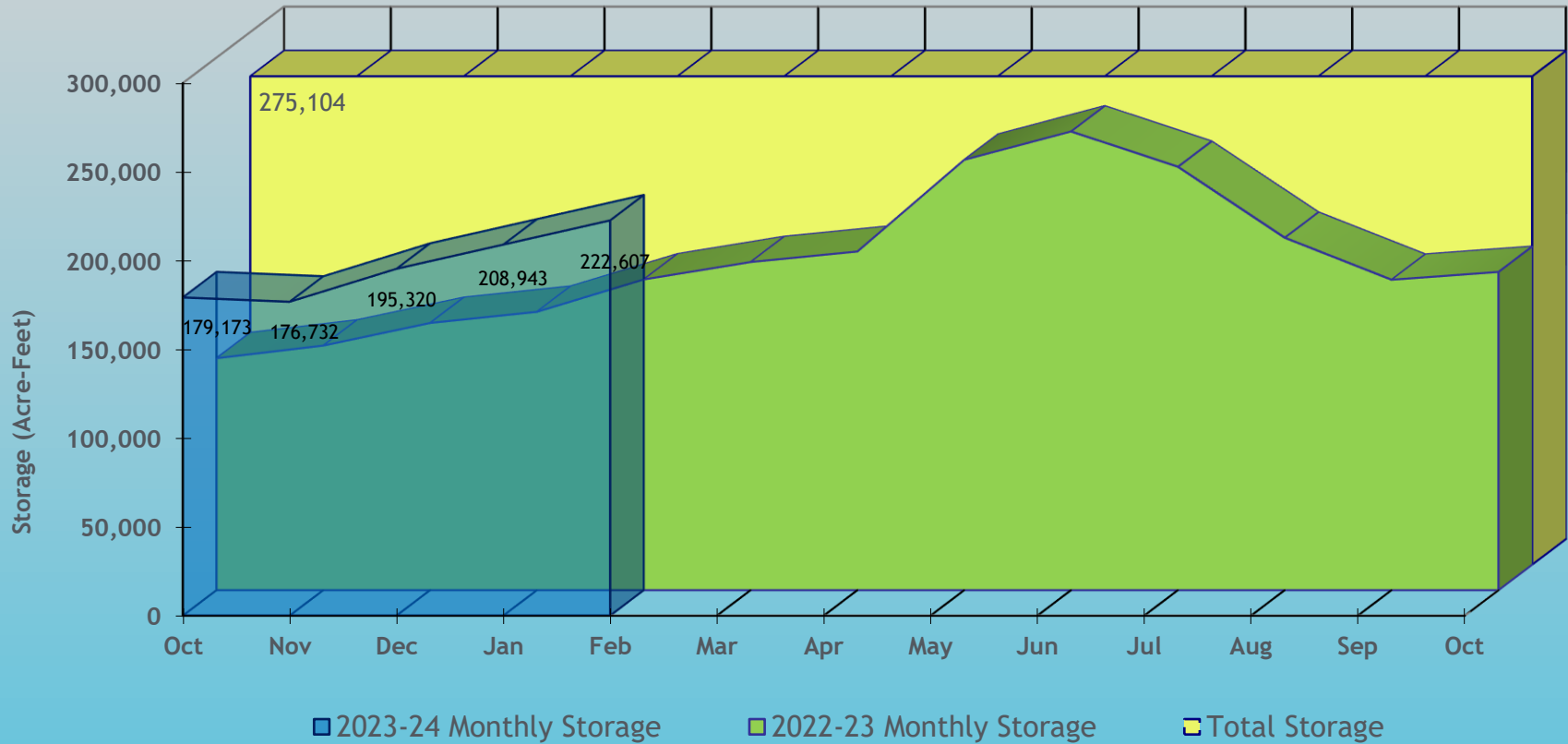
South Platte Reservoir Storage below Kersey*



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



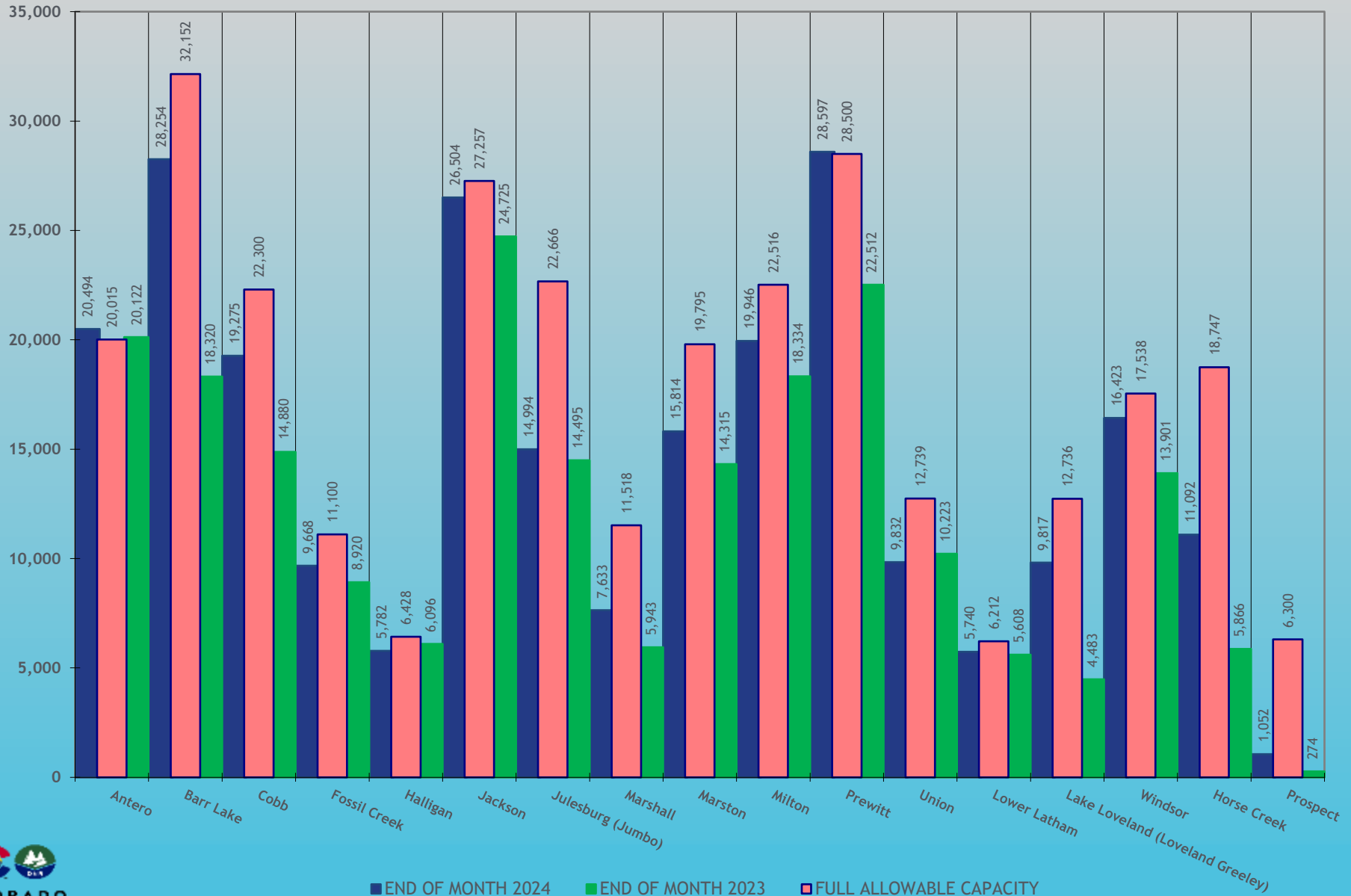
South Platte Reservoir Storage above Kersey*



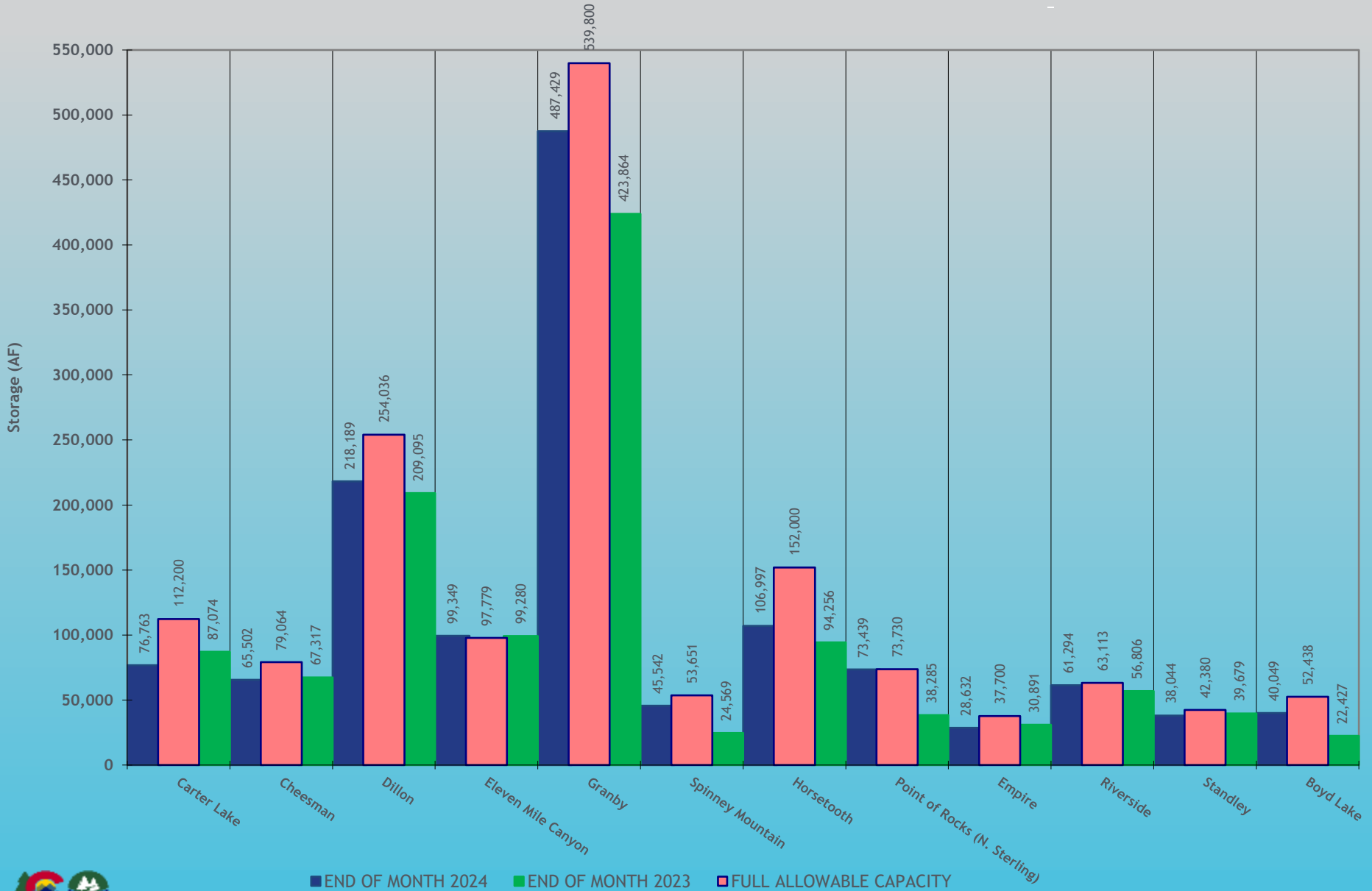
*Barr, Cobb, Fossil Crk, Halligan, Marshall, Milton, Union, Standley, Lower Latham, Boyd, Loveland, Windsor, Horse Crk, & Prospect



February Reservoir Change in Storage IY2023 versus IY2024



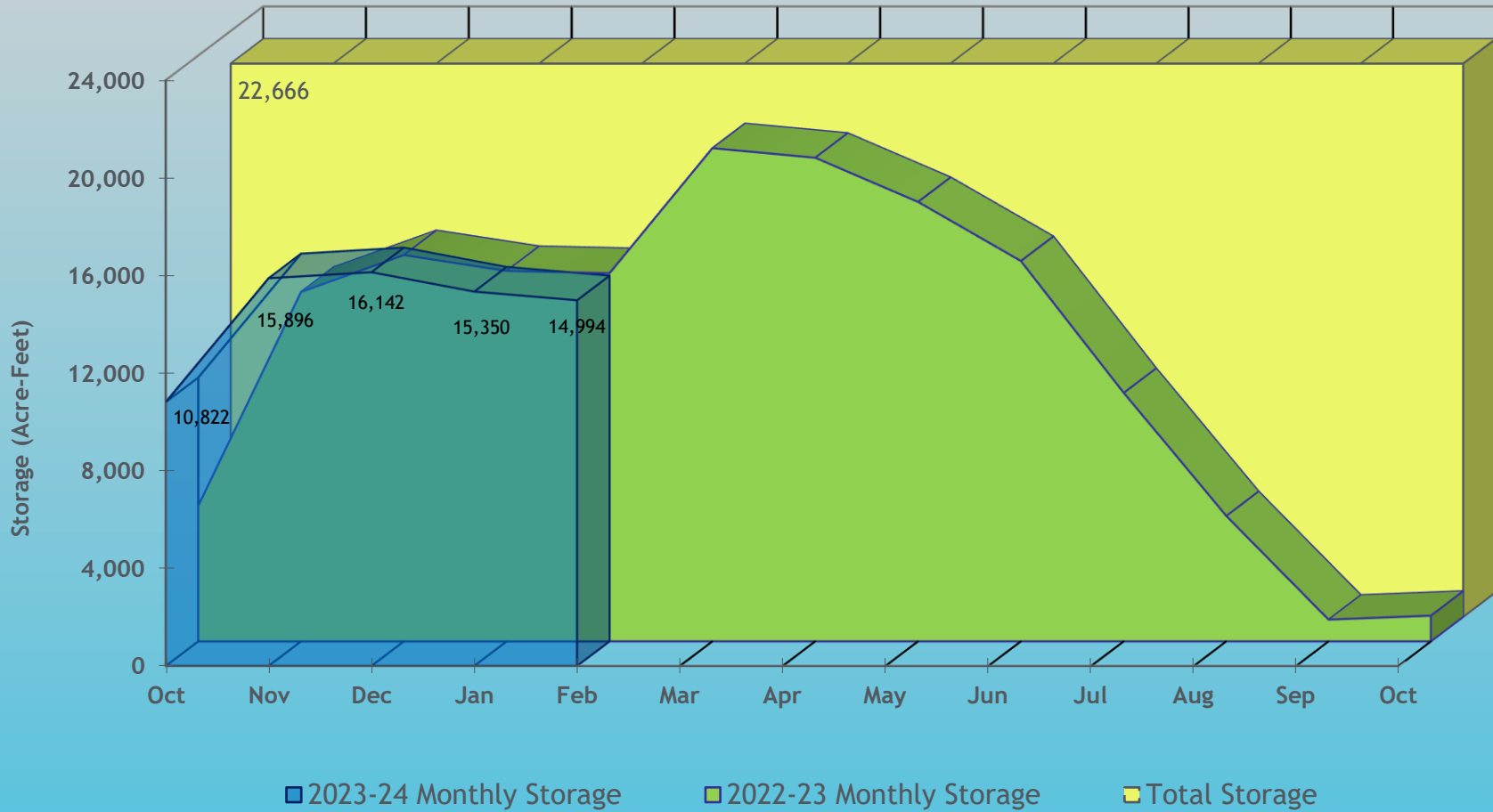
February Reservoir Change in Storage IY2023 versus IY2024



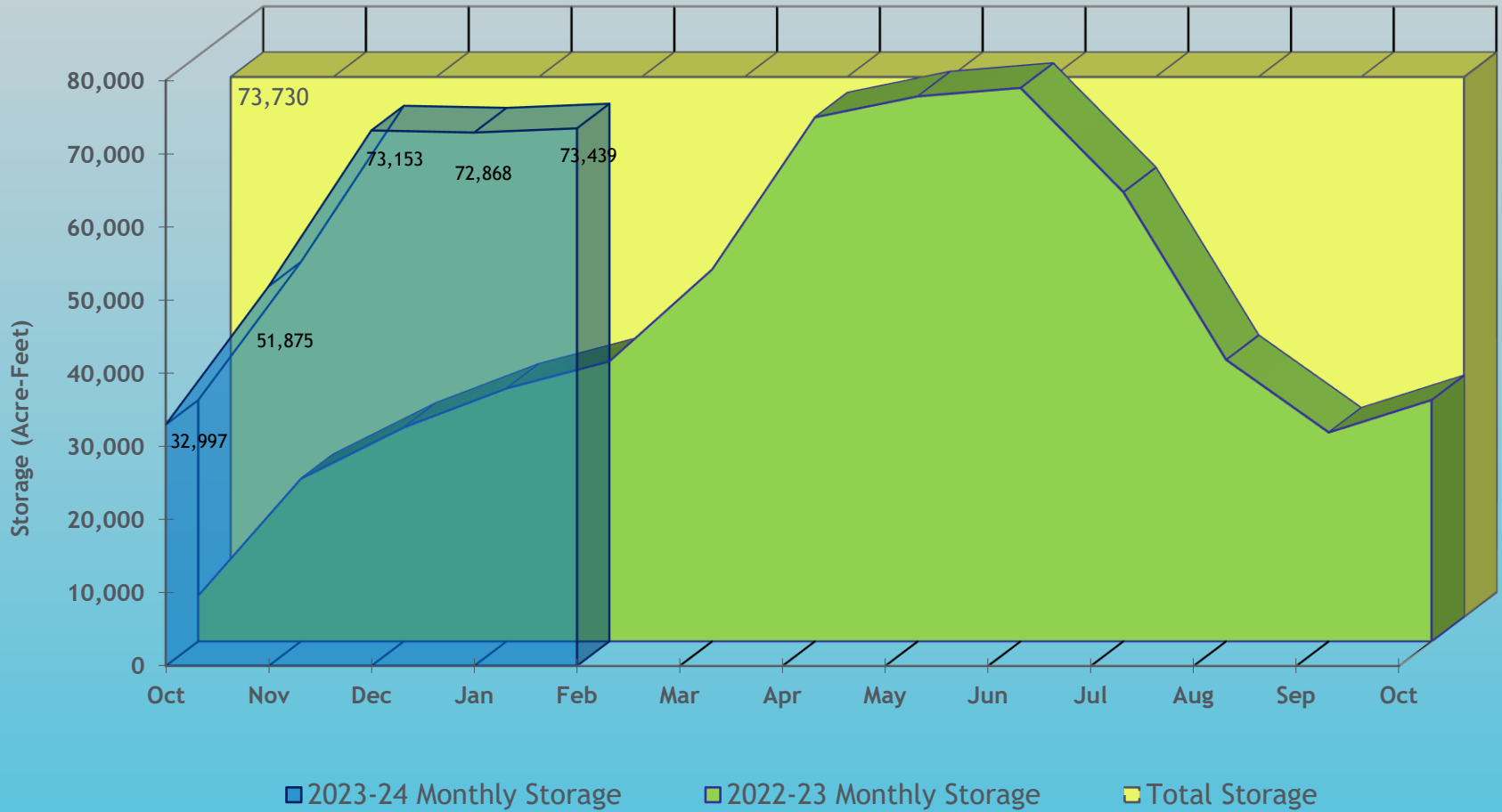
■ END OF MONTH 2024
 ■ END OF MONTH 2023
 ■ FULL ALLOWABLE CAPACITY



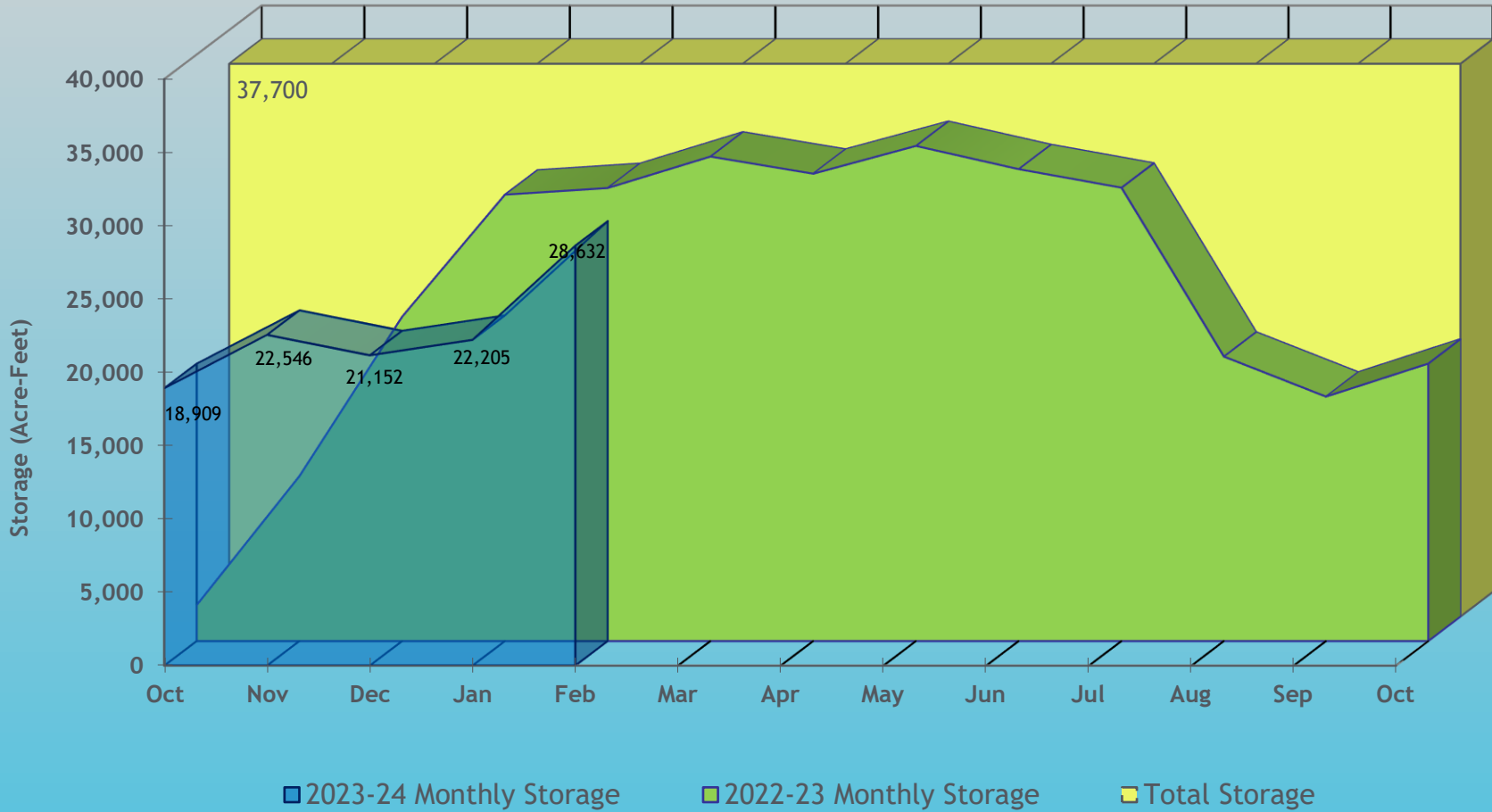
Julesburg Reservoir (District 64 - Agricultural)



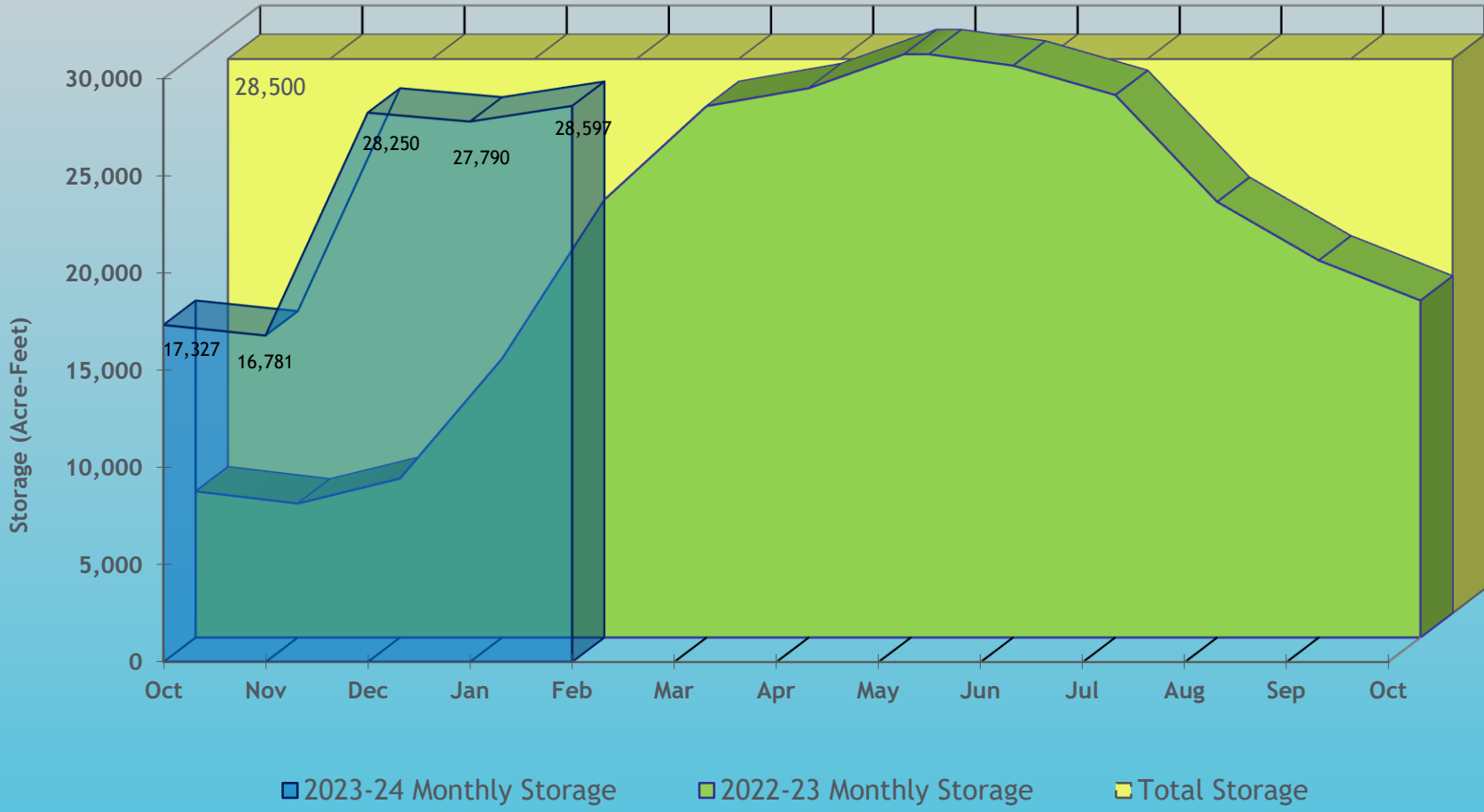
North Sterling Reservoir (District 64 - Agricultural)



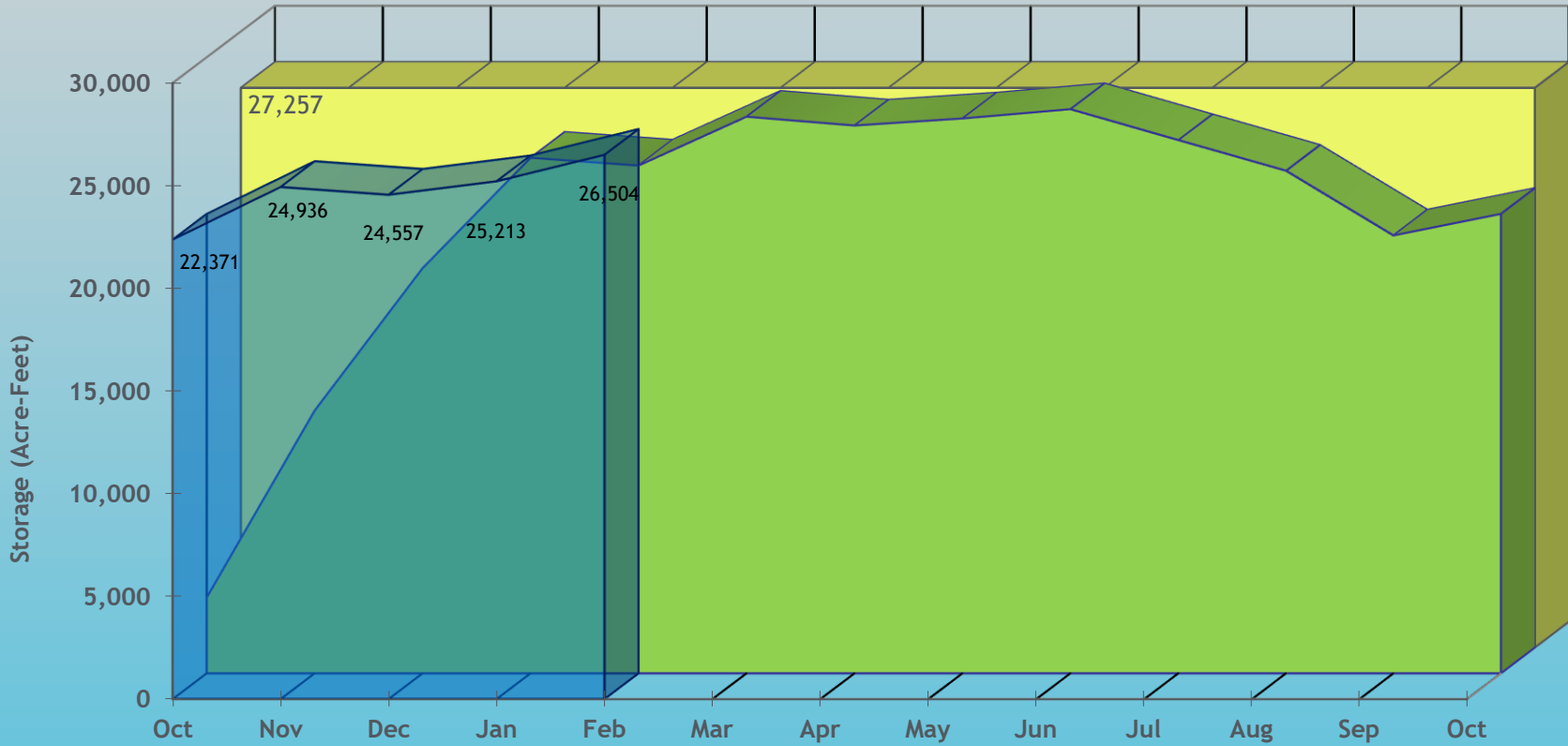
Empire Reservoir (District 1 - Agricultural)



Prewitt Reservoir (District 64 - Agricultural)



Jackson Reservoir (District 1 - Agricultural)

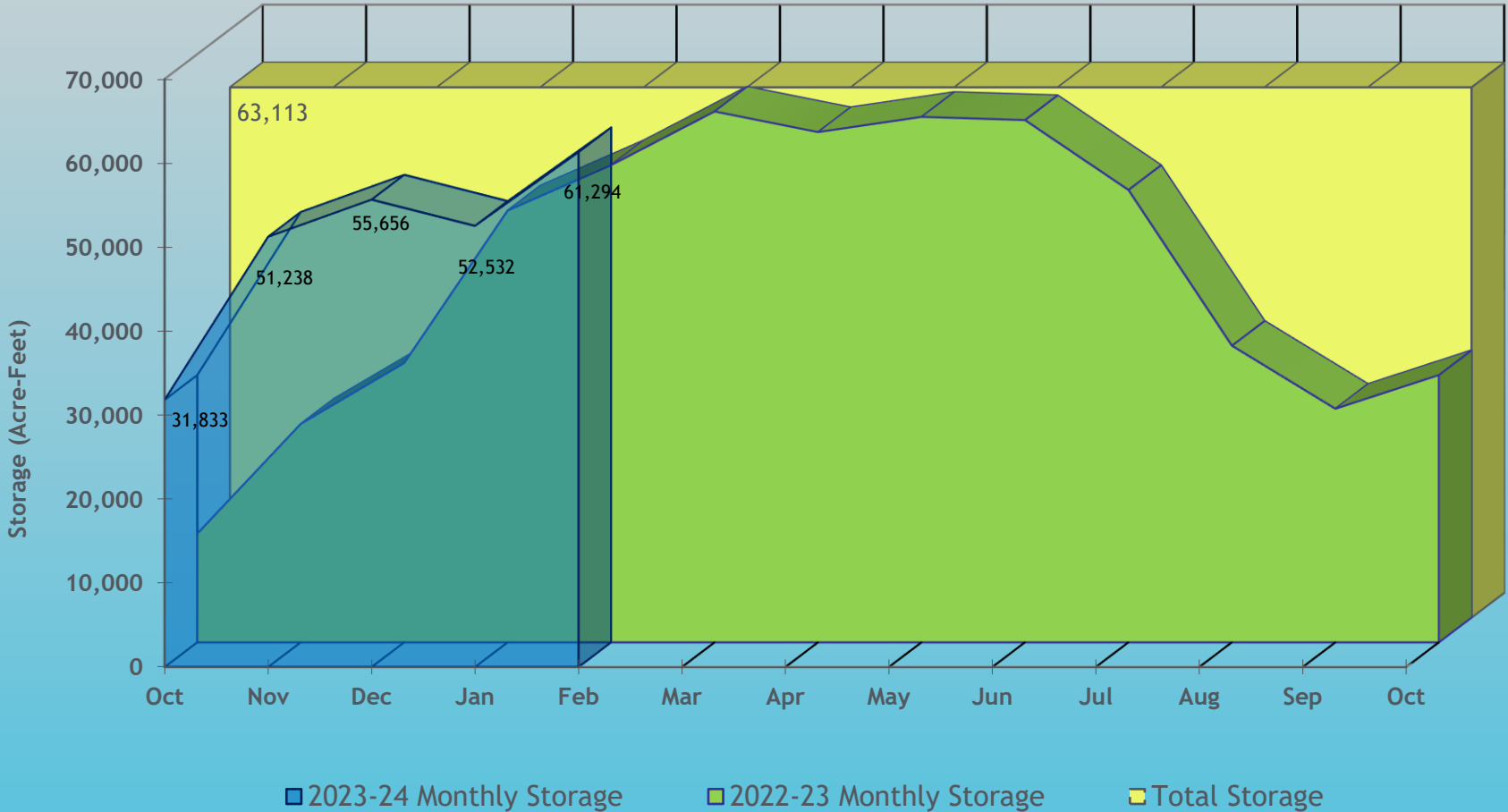


■ 2023-24 Monthly Storage

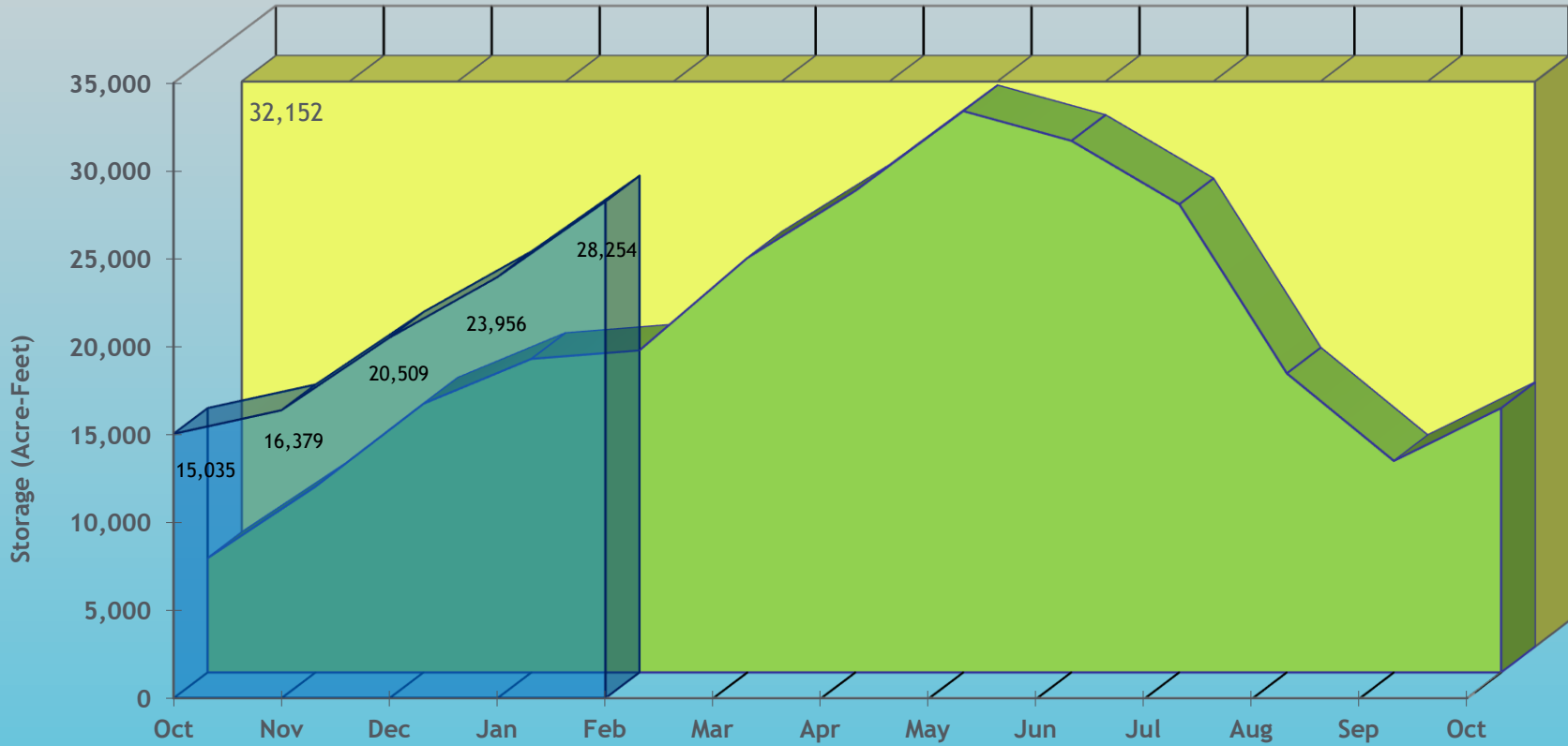
■ 2022-23 Monthly Storage

■ Total Storage

Riverside Reservoir (District 1 - Agricultural)



Barr Reservoir (District 2 - Agricultural)

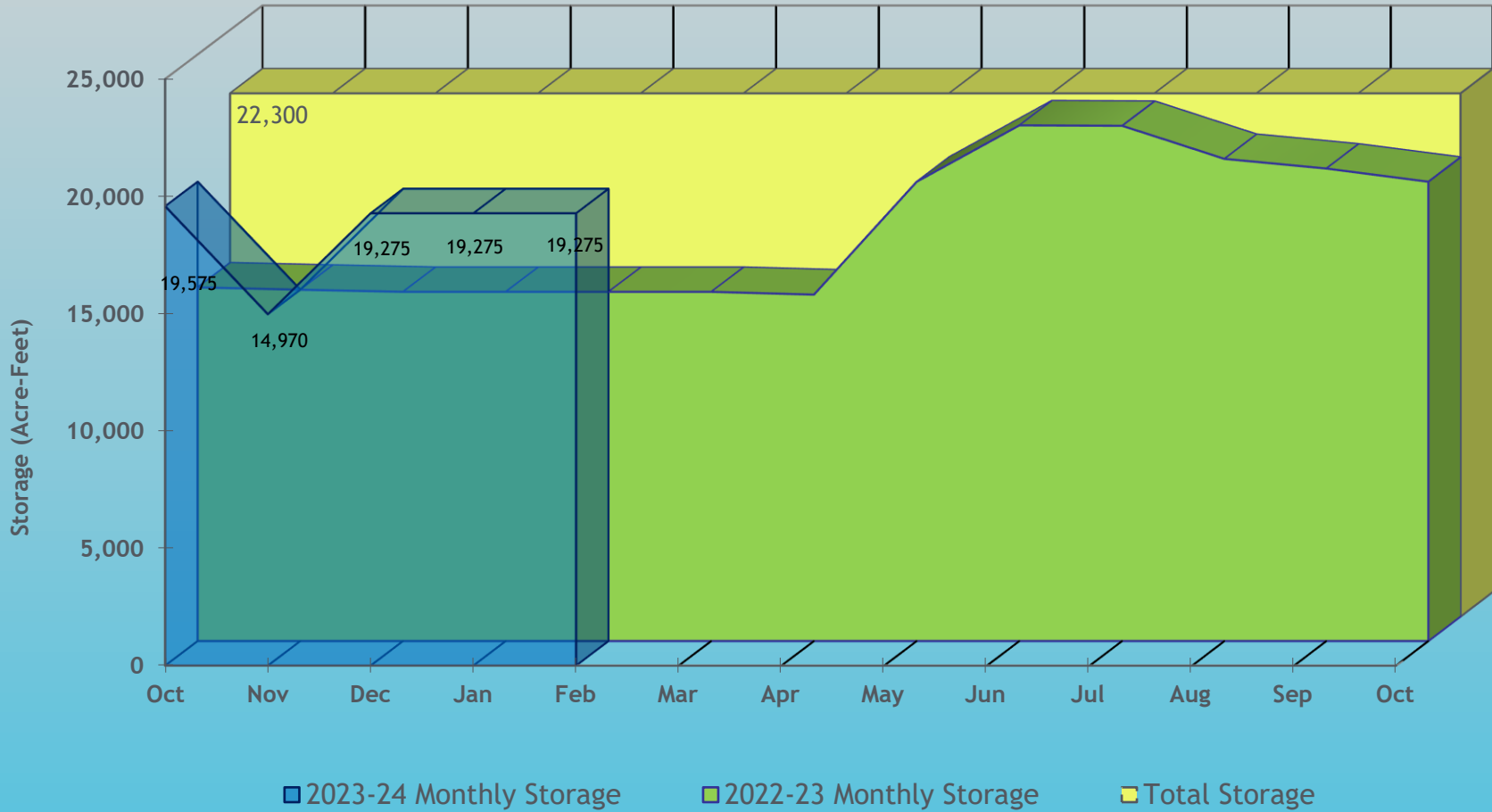


■ 2023-24 Monthly Storage

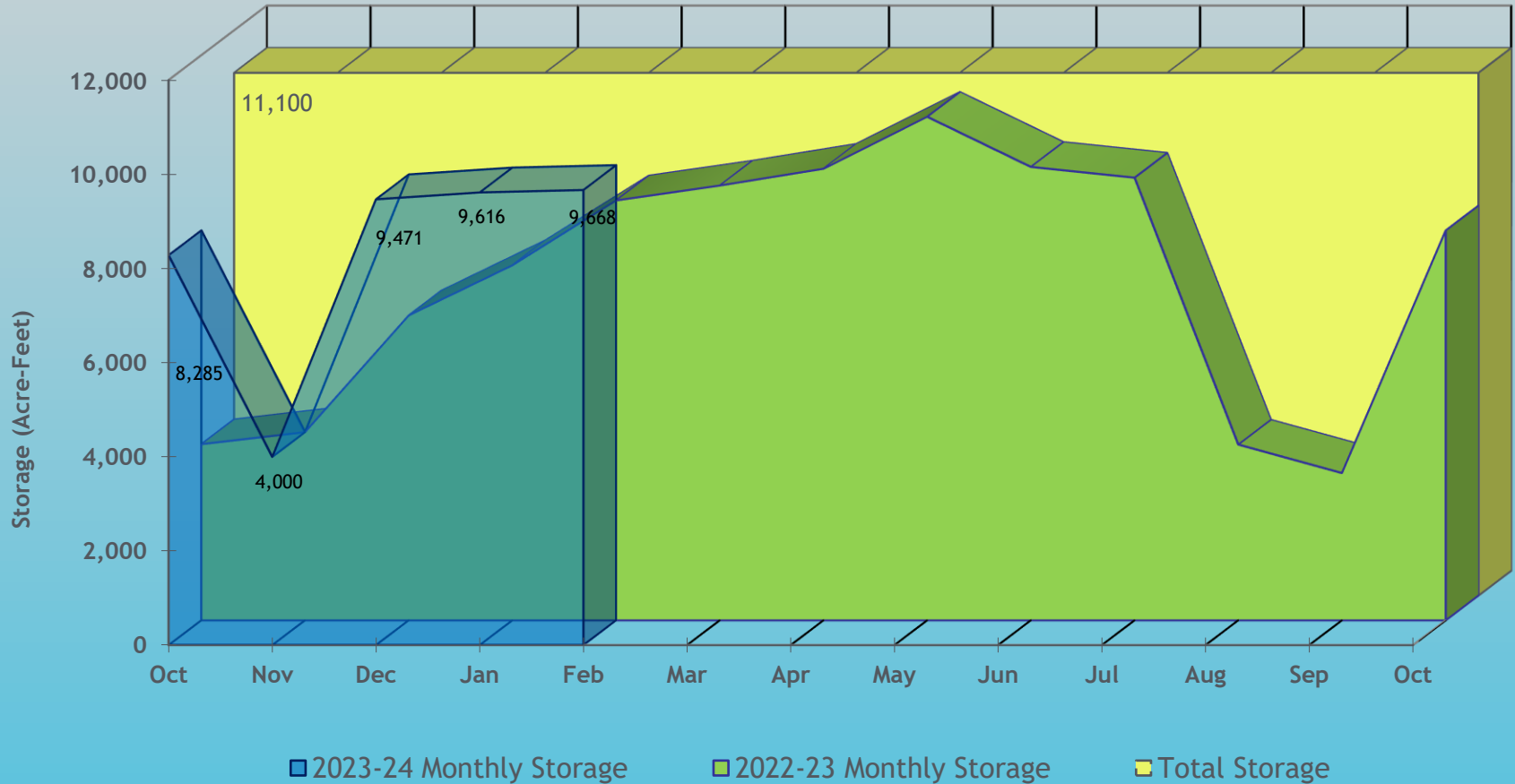
■ 2022-23 Monthly Storage

■ Total Storage

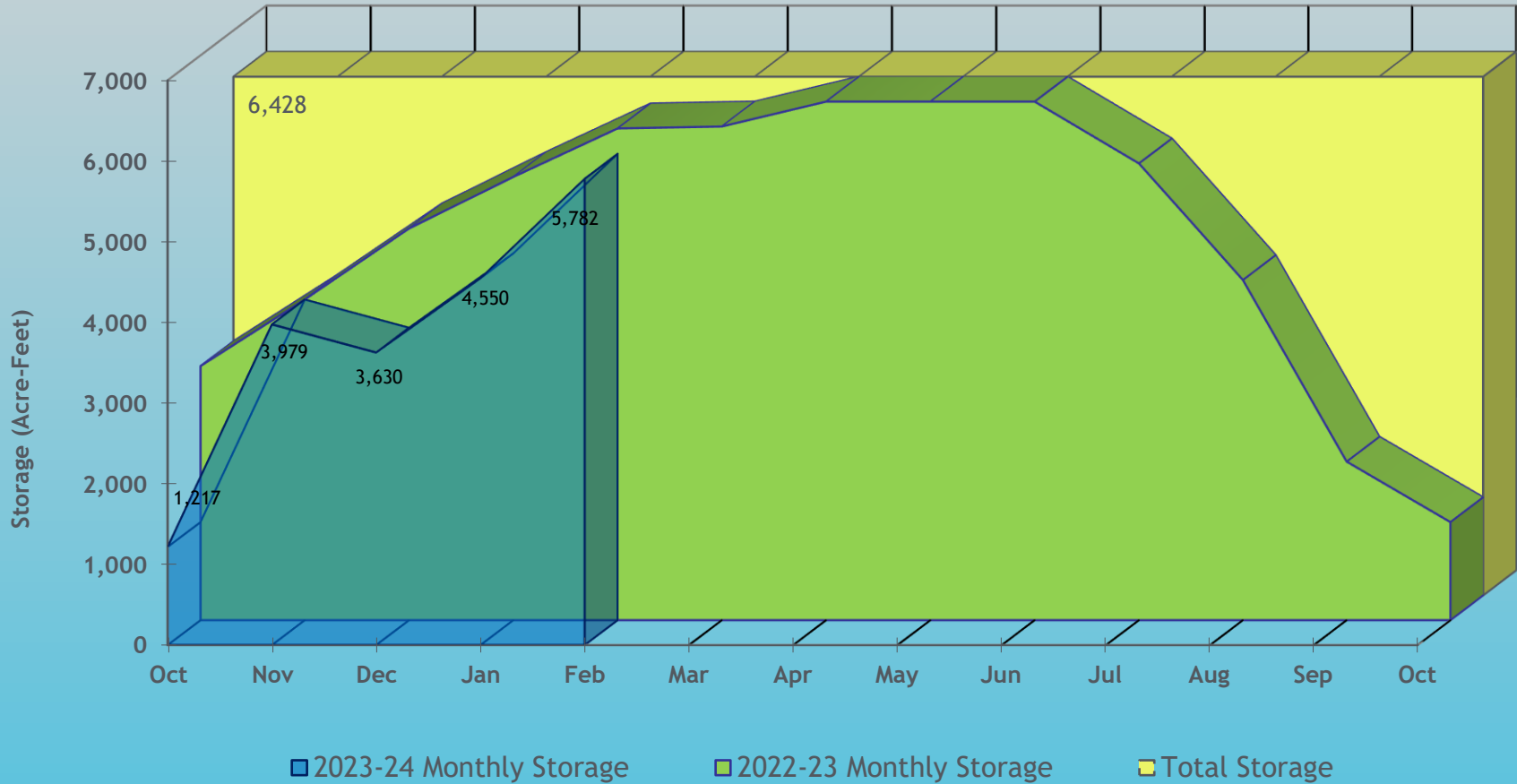
Cobb Reservoir (District 3, Poudre River - Agricultural)



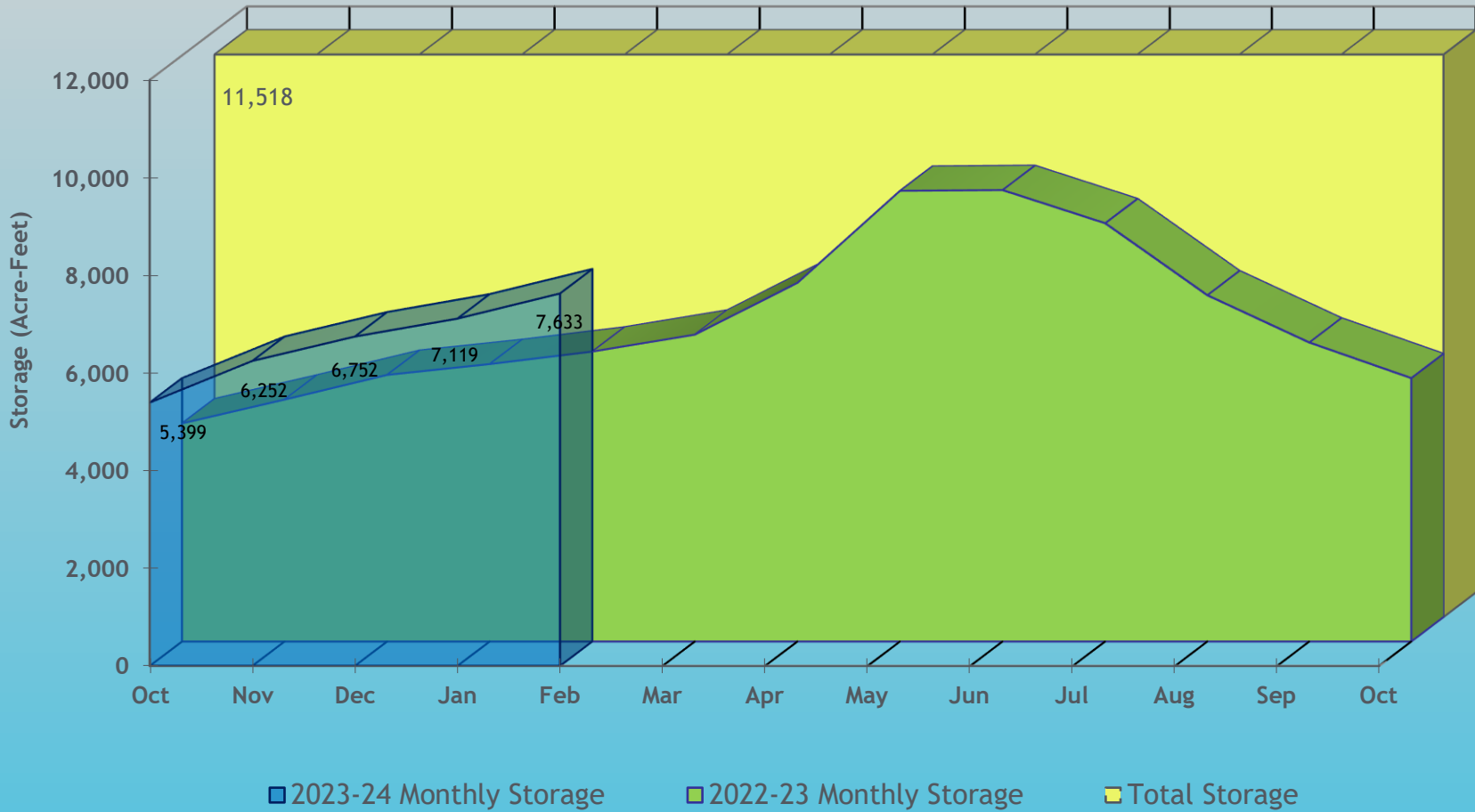
Fossil Creek Reservoir (District 3, Poudre River - Agricultural)



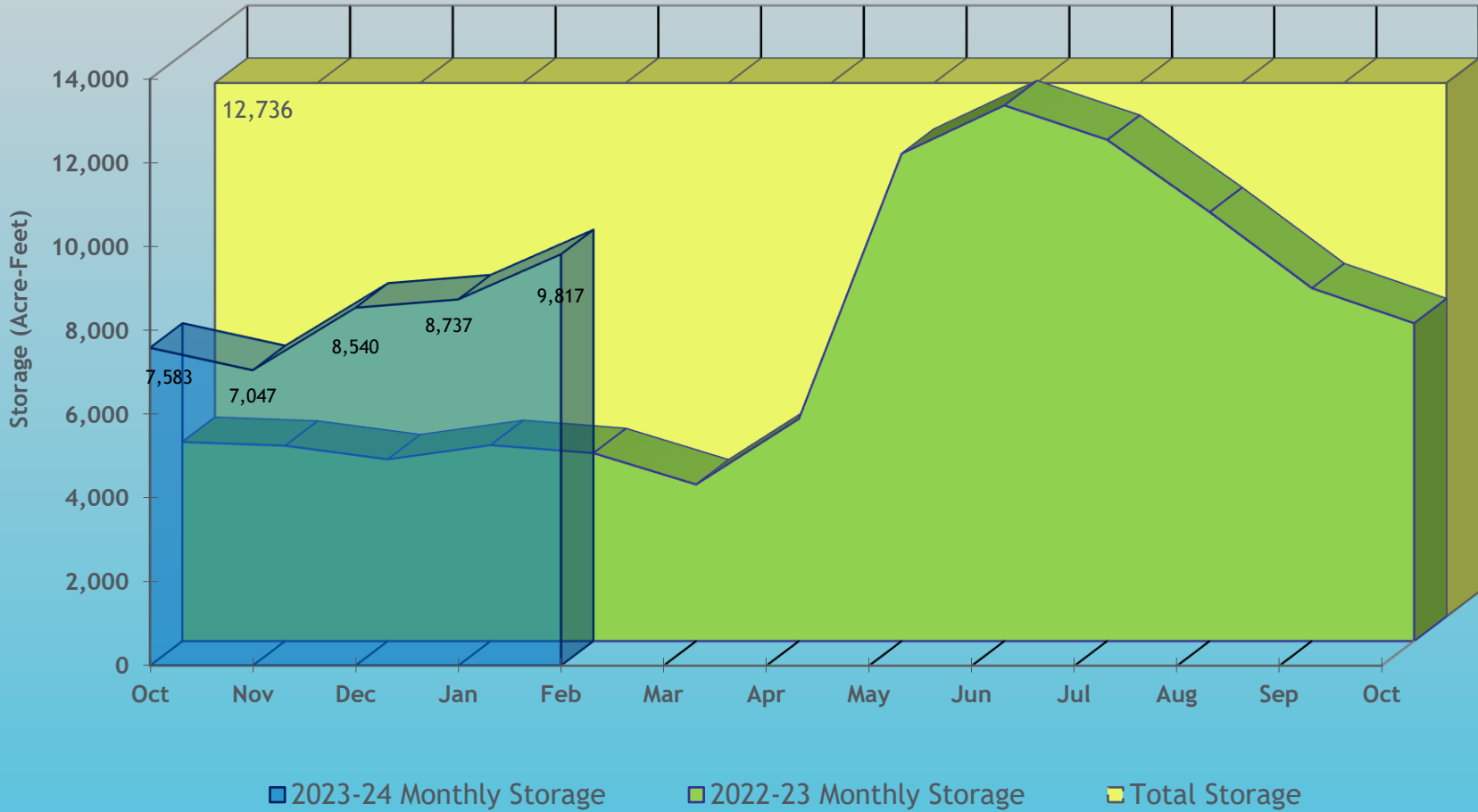
Halligan Reservoir (District 3, Poudre River - Agricultural)



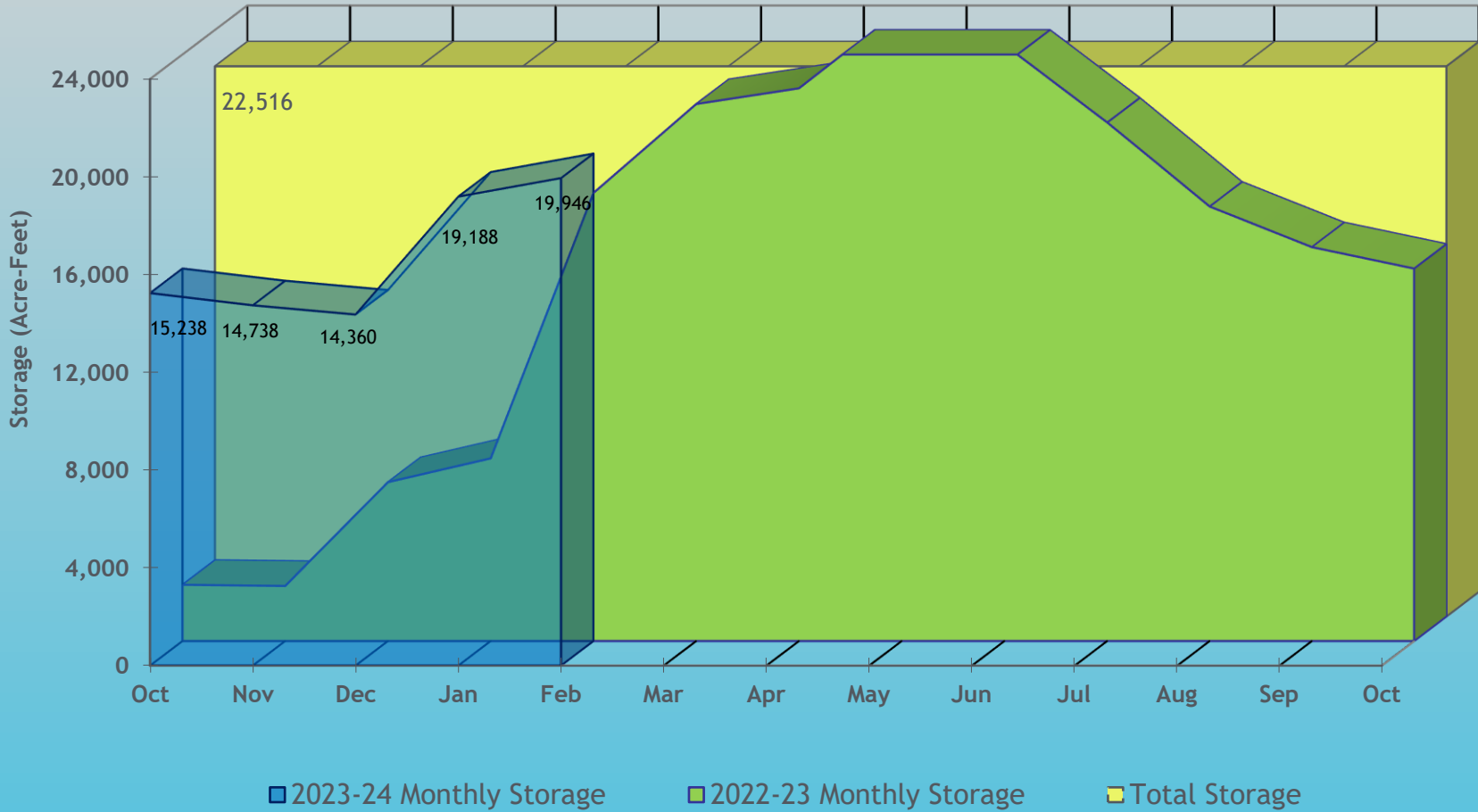
Marshall Lake (District 6, Boulder Creek - Agricultural)



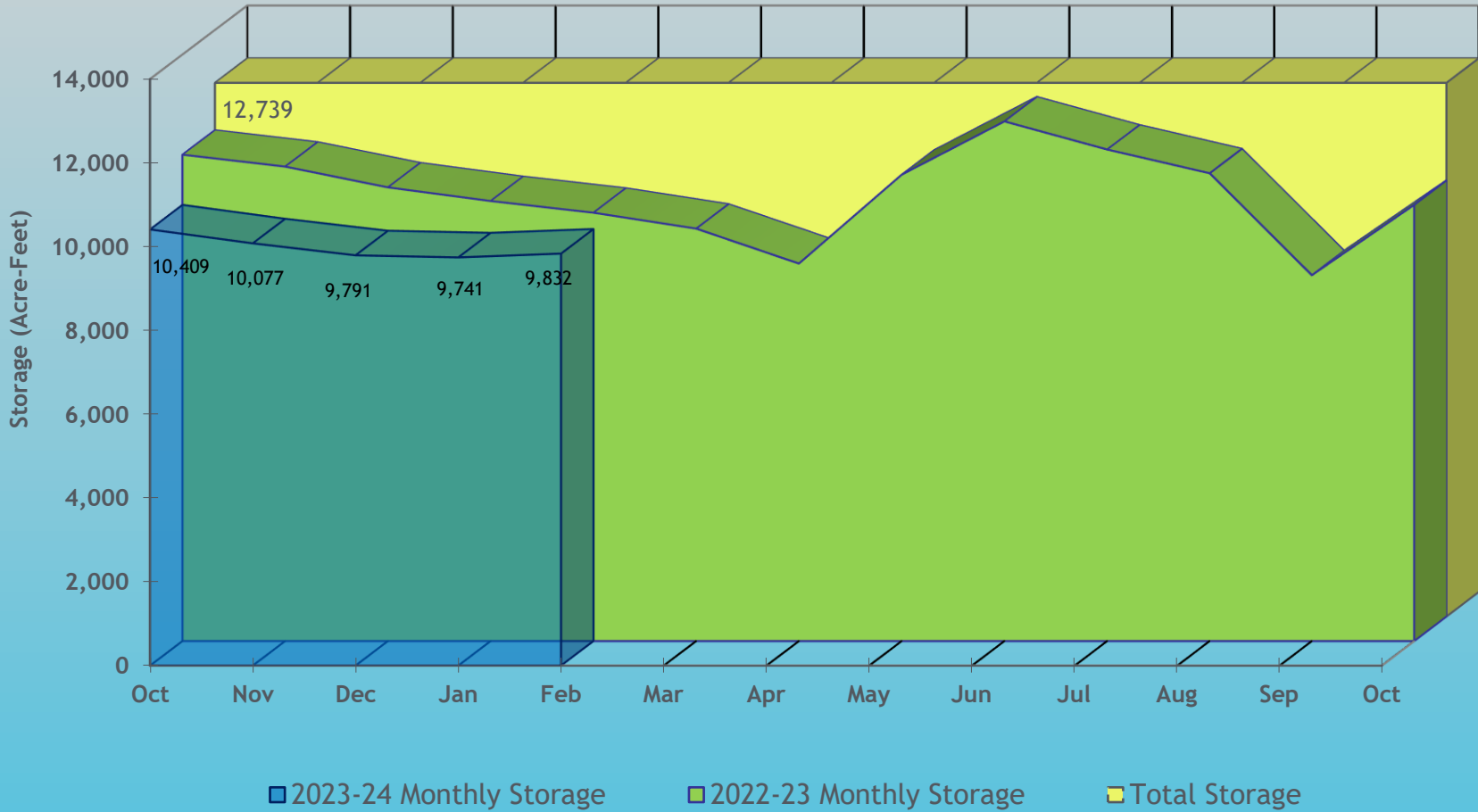
Loveland Greeley Reservoir (District 4, Big Thompson River - Agricultural)



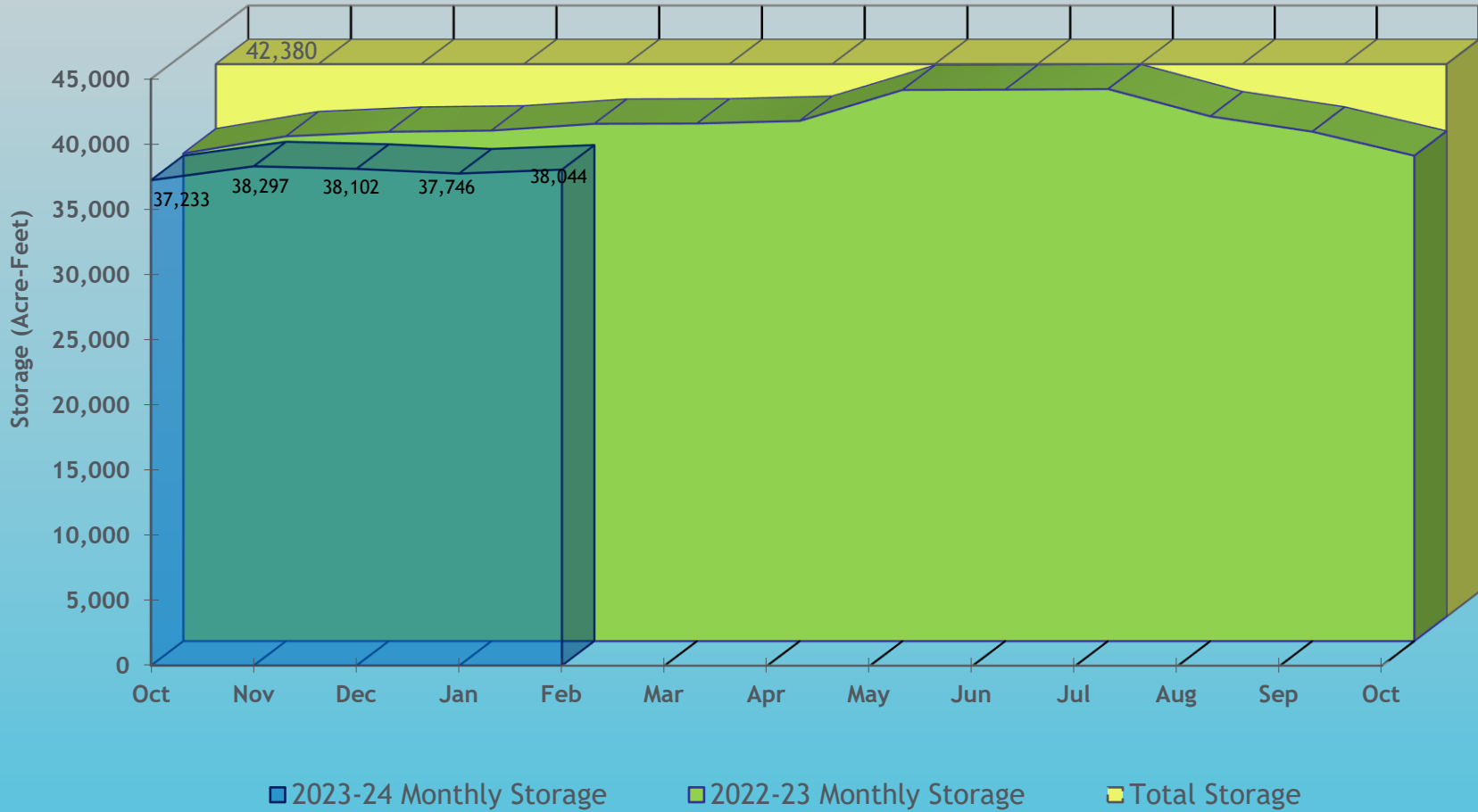
Milton Reservoir (District 2 - Agricultural)



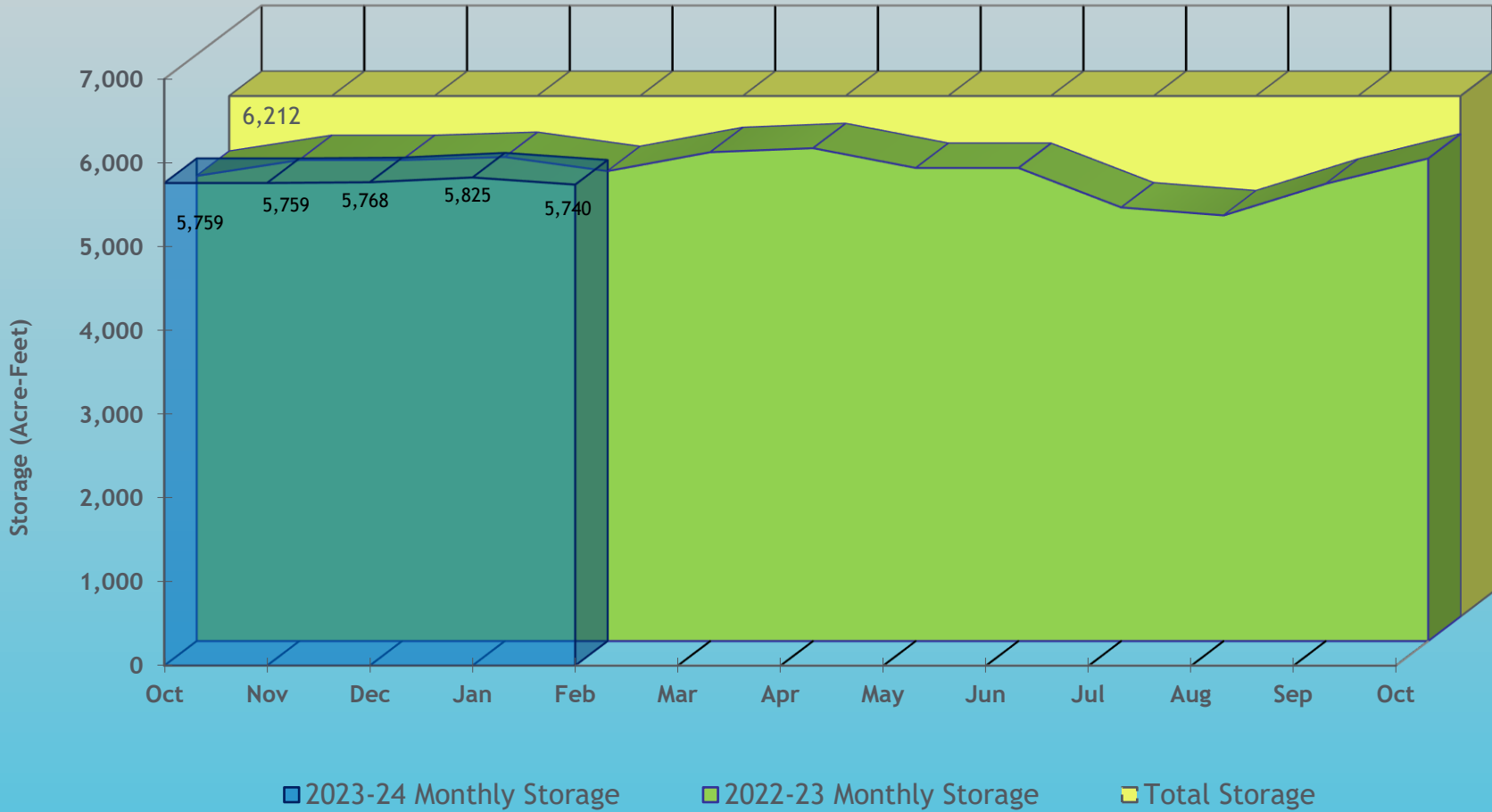
Union Reservoir (District 5, St. Vrain Creek - Agricultural)



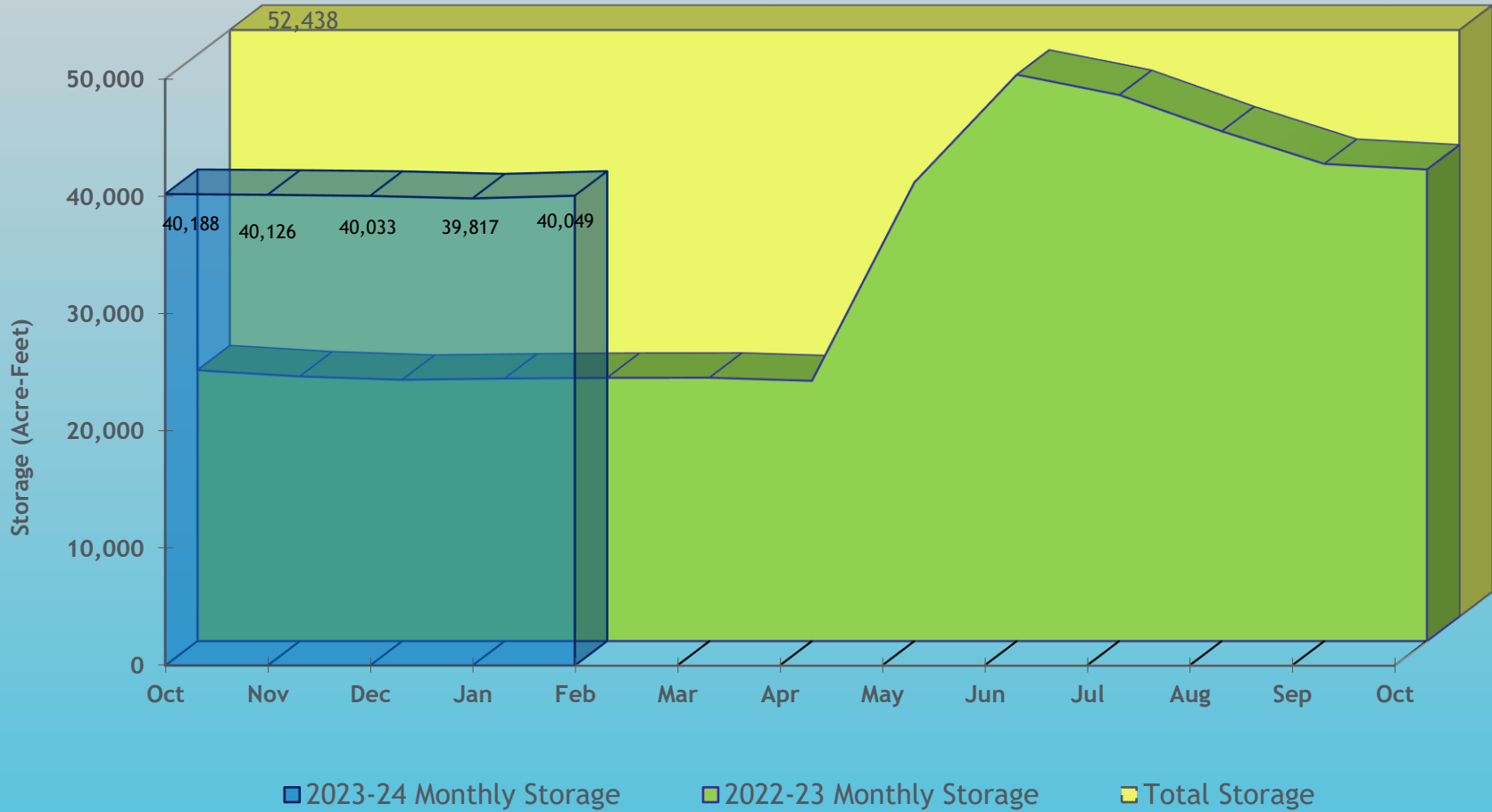
Standley Lake (Agricultural)



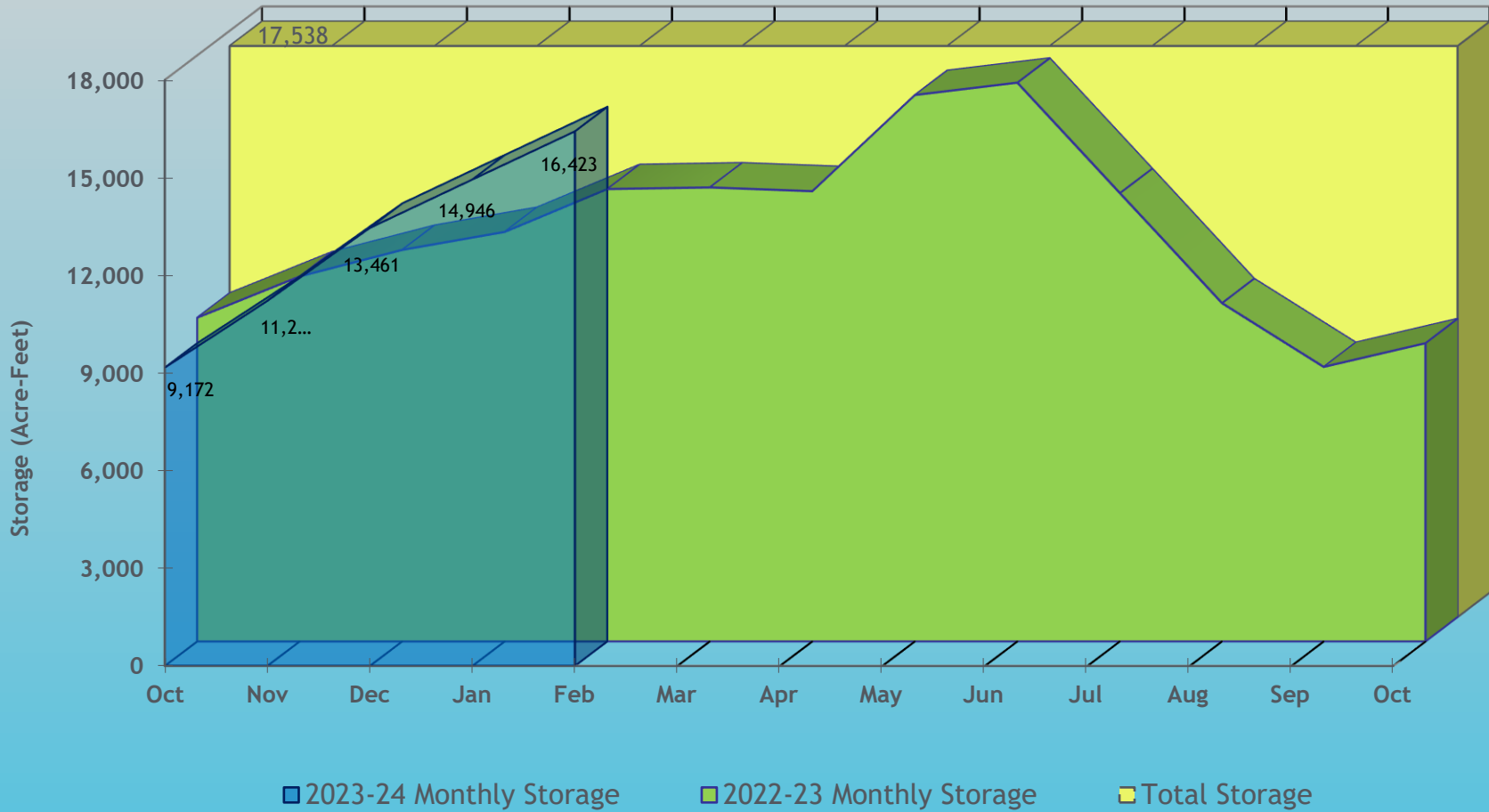
Lower Latham Reservoir (District 2 - Agricultural)



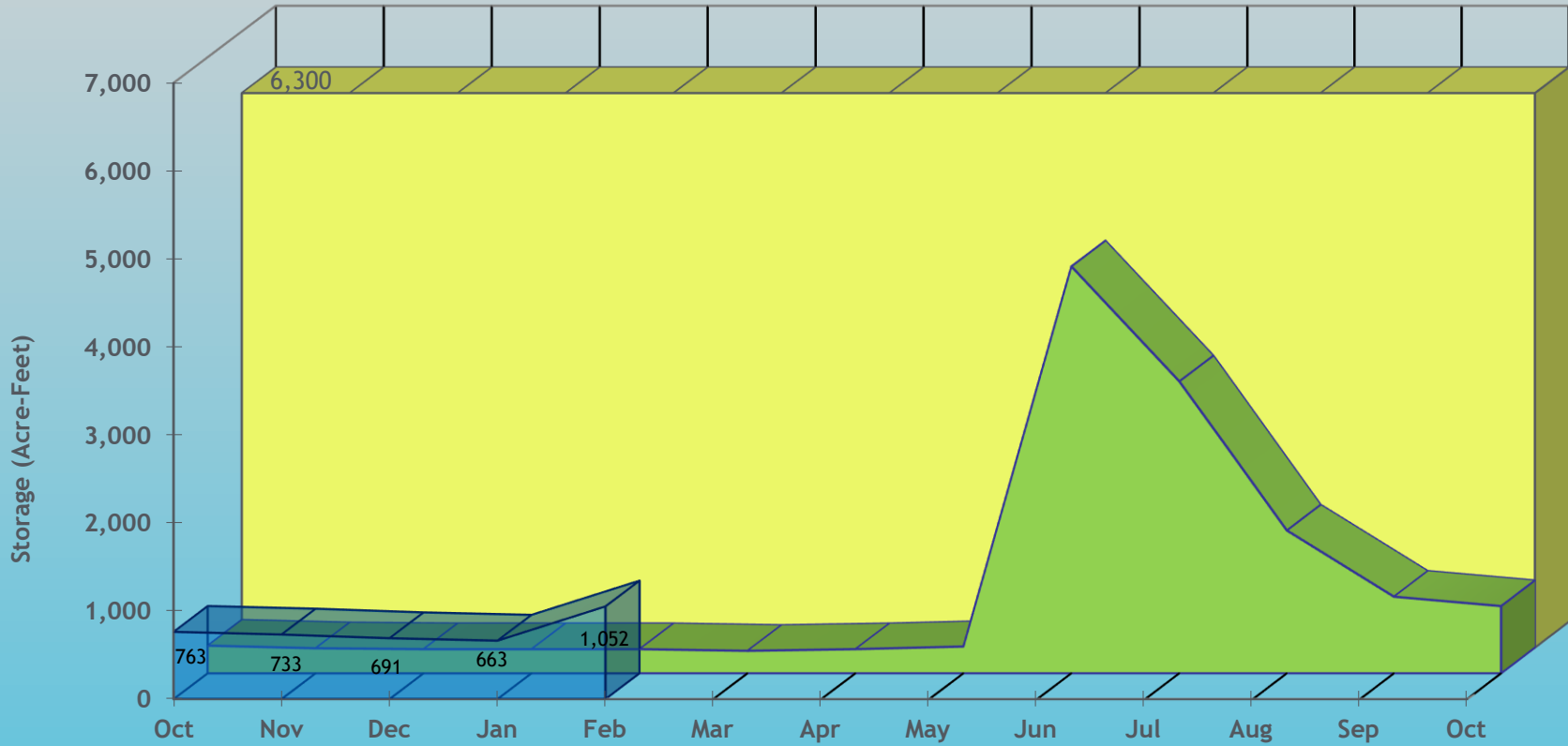
Boyd Lake (District 4, Big Thompson River - Agricultural)



Windsor Reservoir (District 3, Poudre River - Agricultural)



Prospect Reservoir (District 1 - Agricultural)

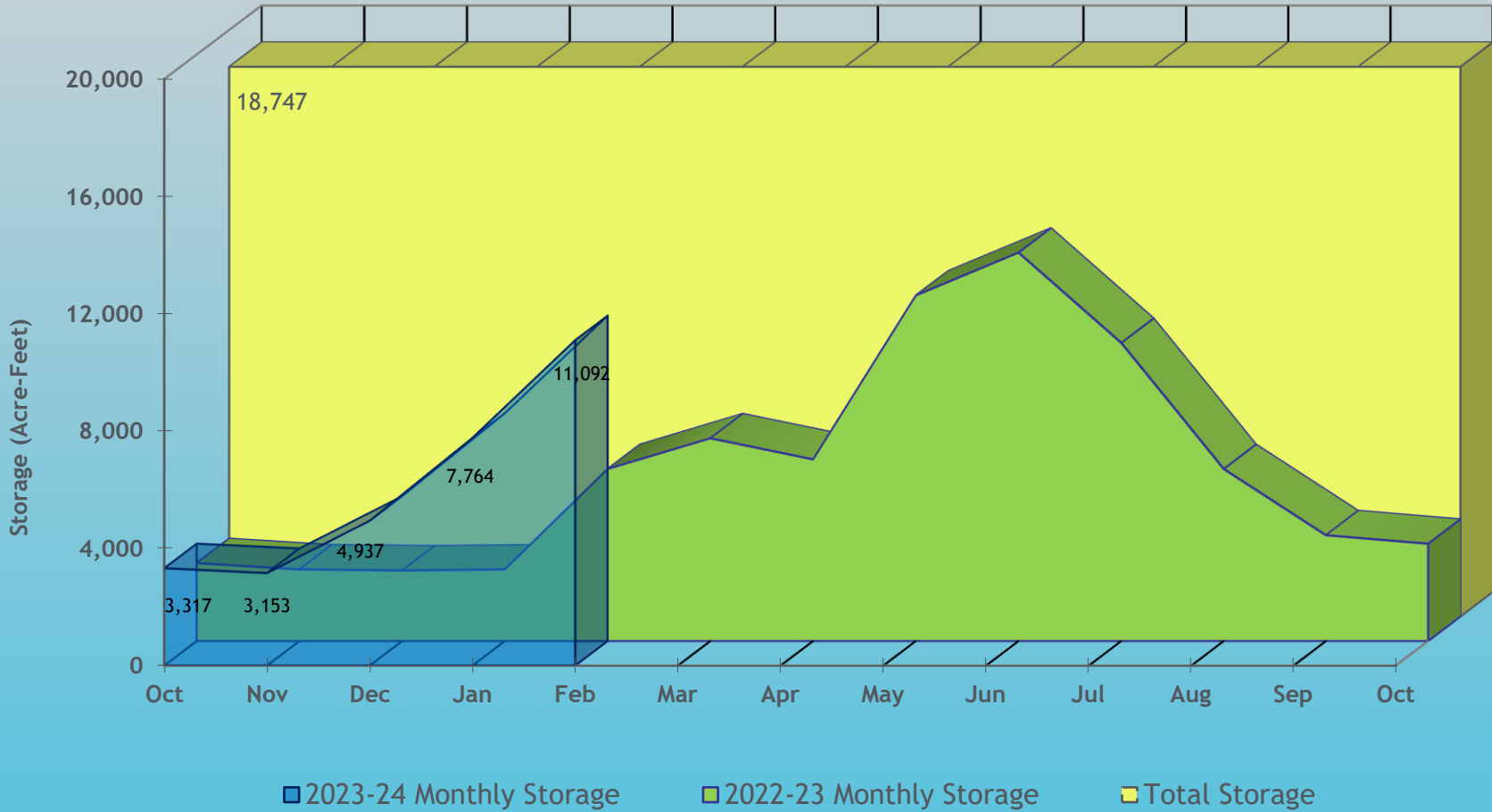


■ 2023-24 Monthly Storage

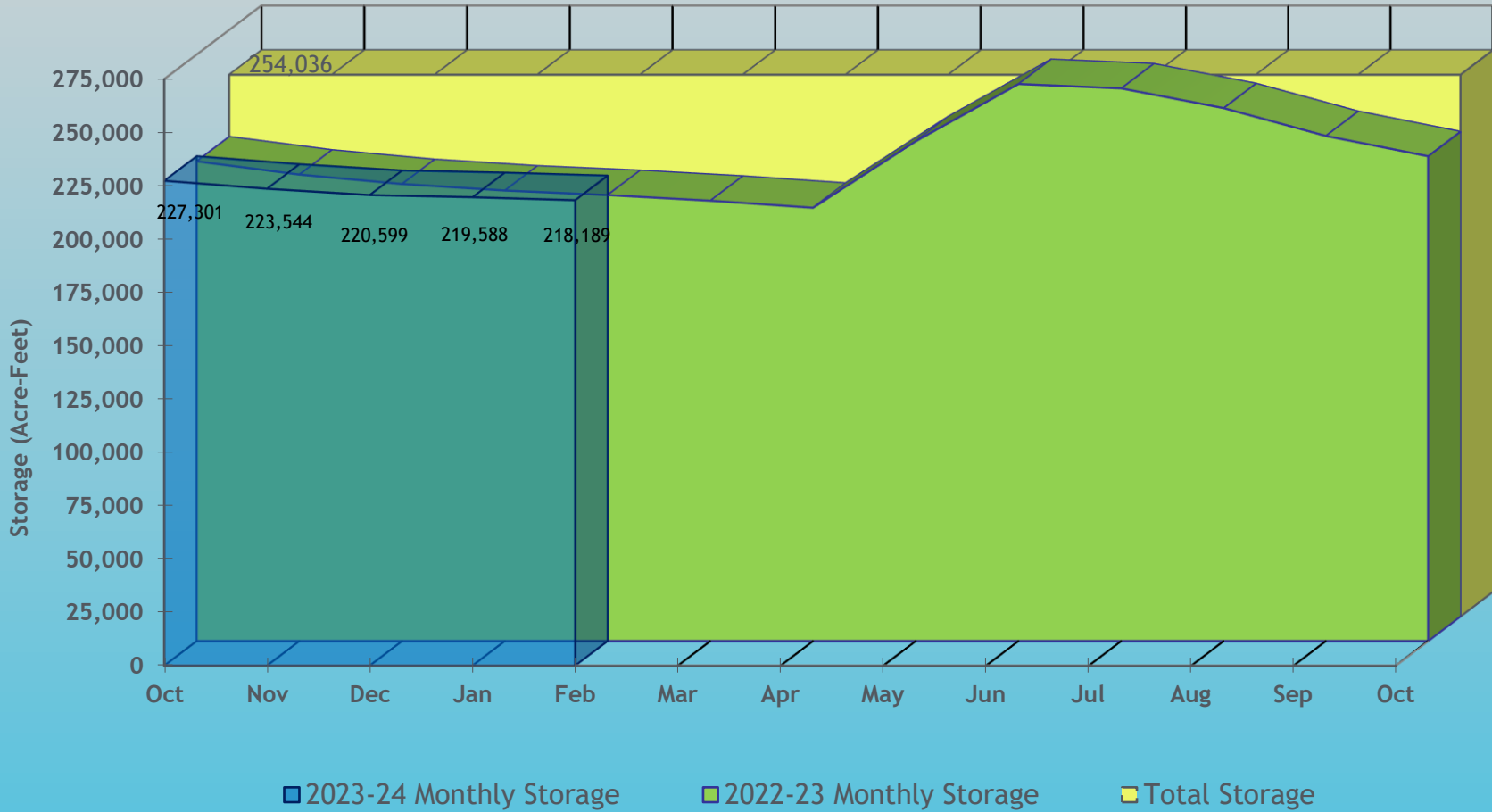
■ 2022-23 Monthly Storage

■ Total Storage

Horse Creek Reservoir (District 1 - Agricultural)



Dillon Reservoir (District 1 - Municipal)

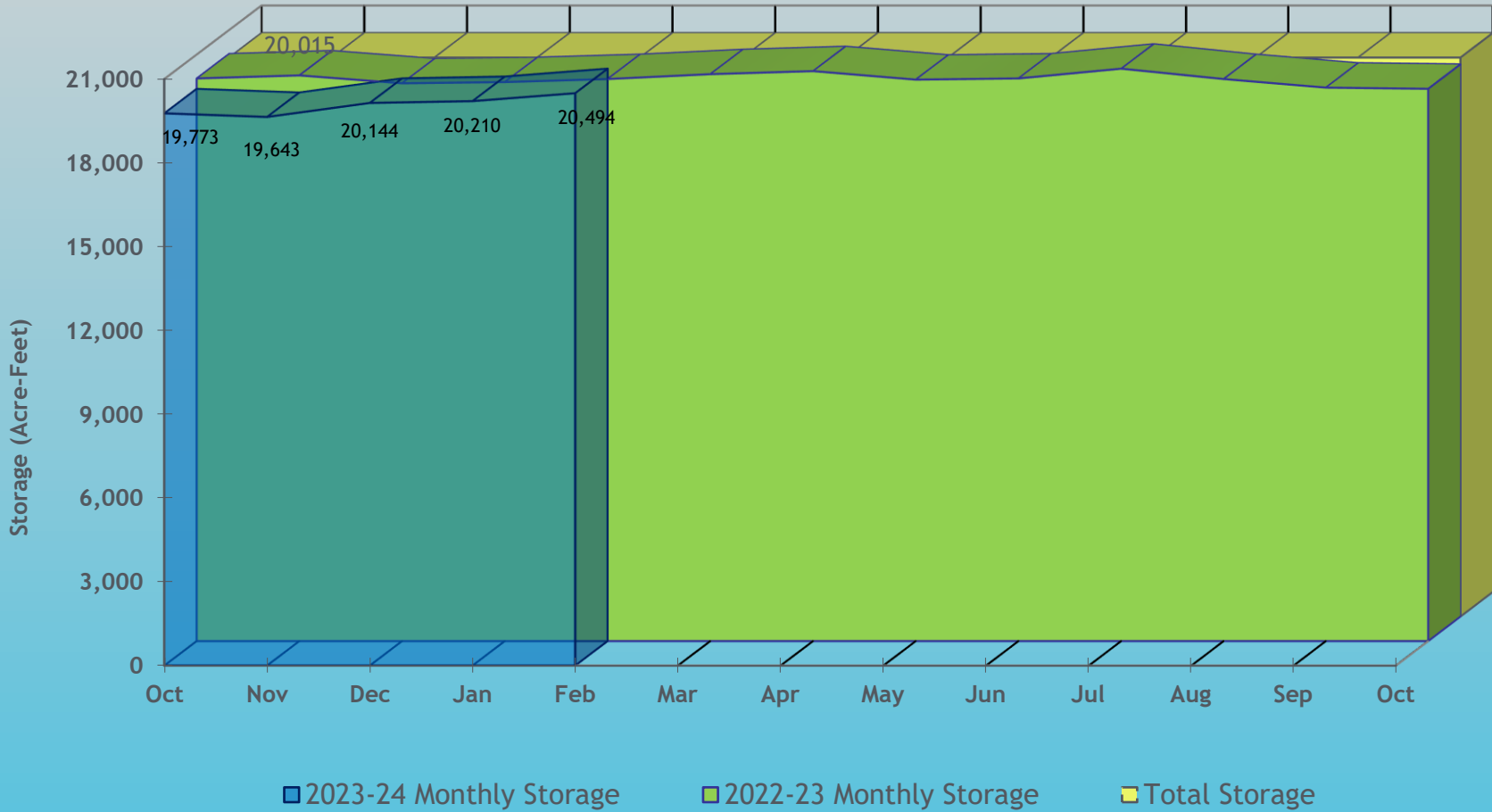


■ 2023-24 Monthly Storage

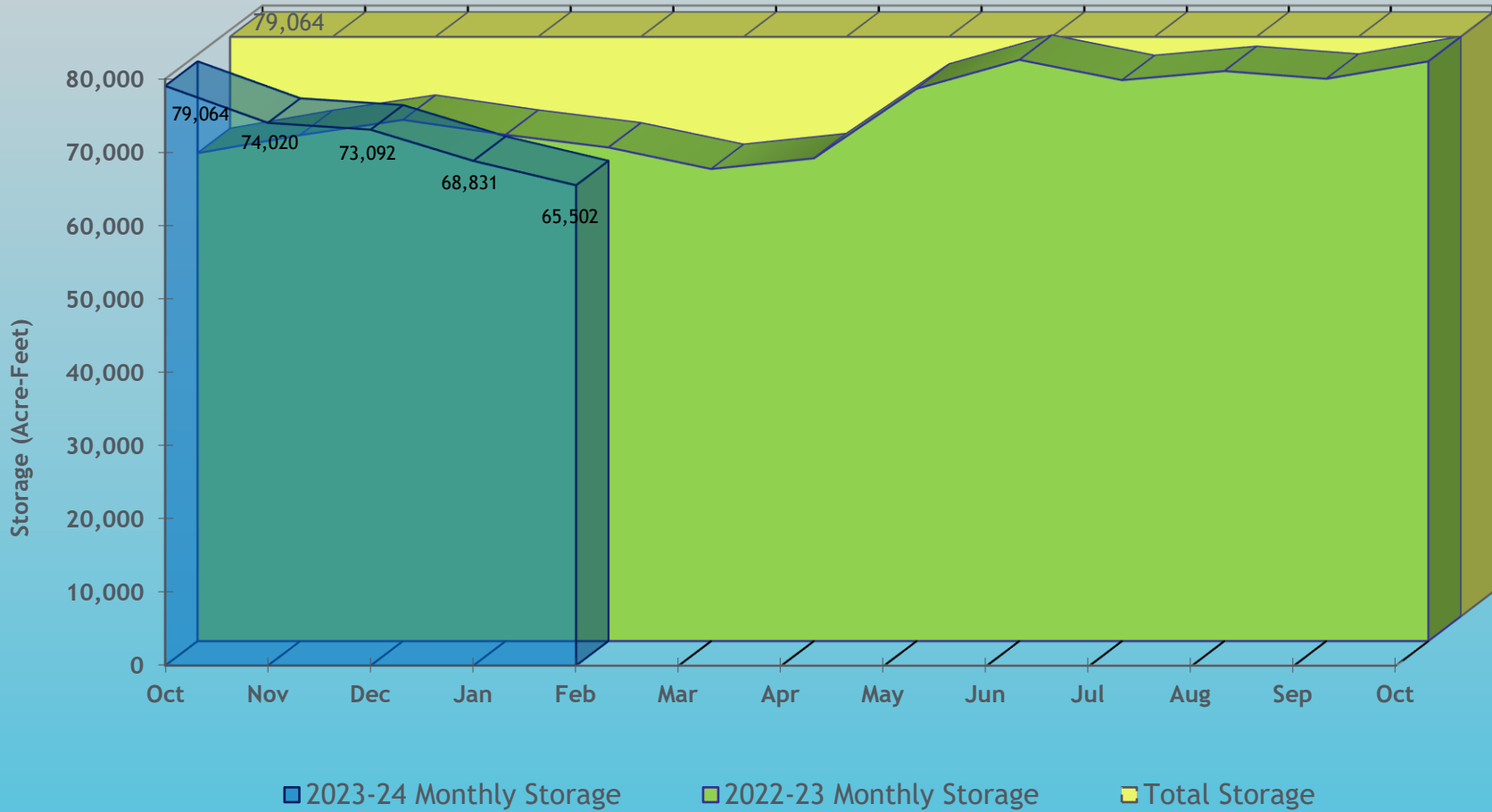
■ 2022-23 Monthly Storage

■ Total Storage

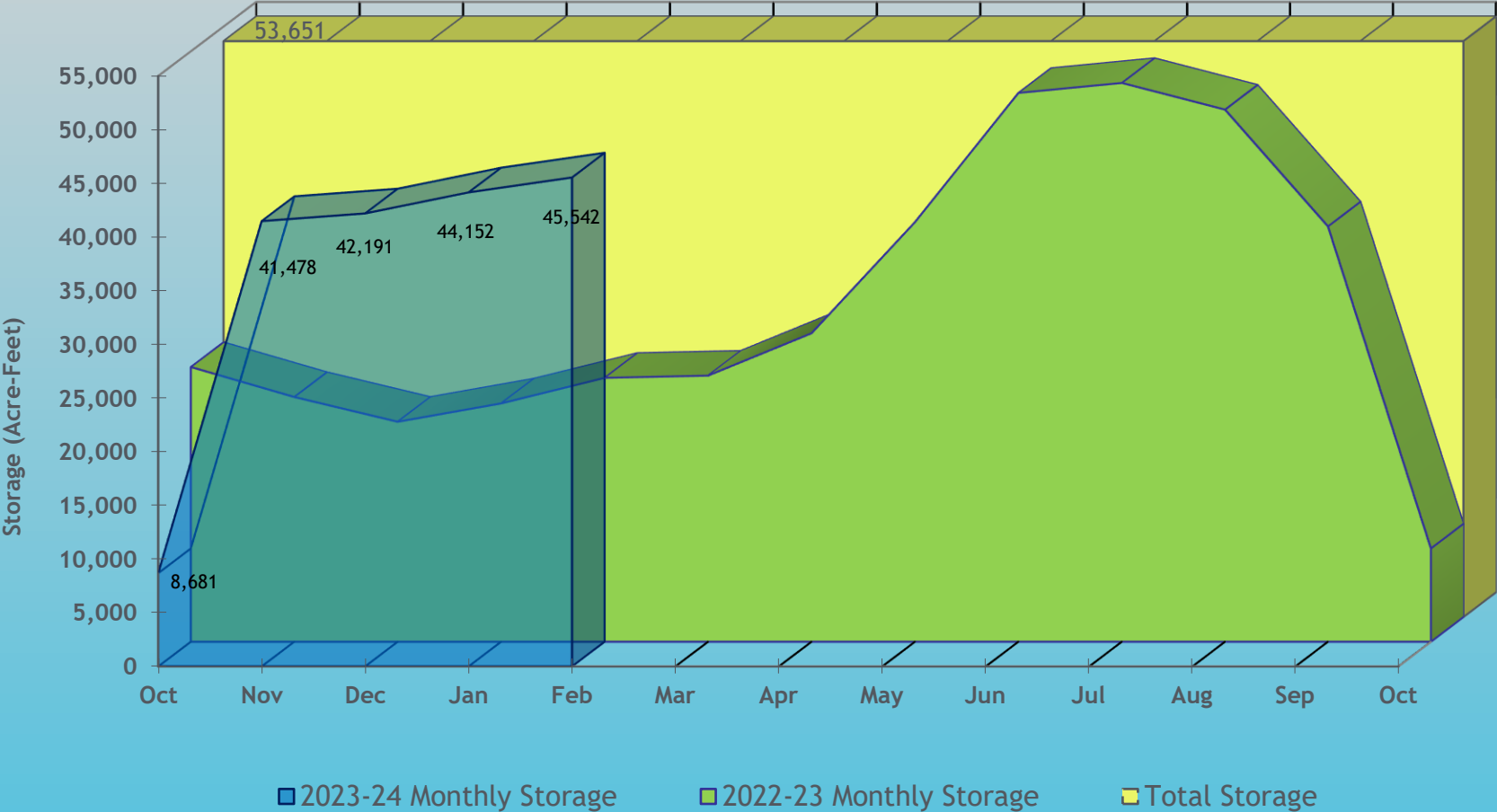
Antero Reservoir (District 23 - Municipal)



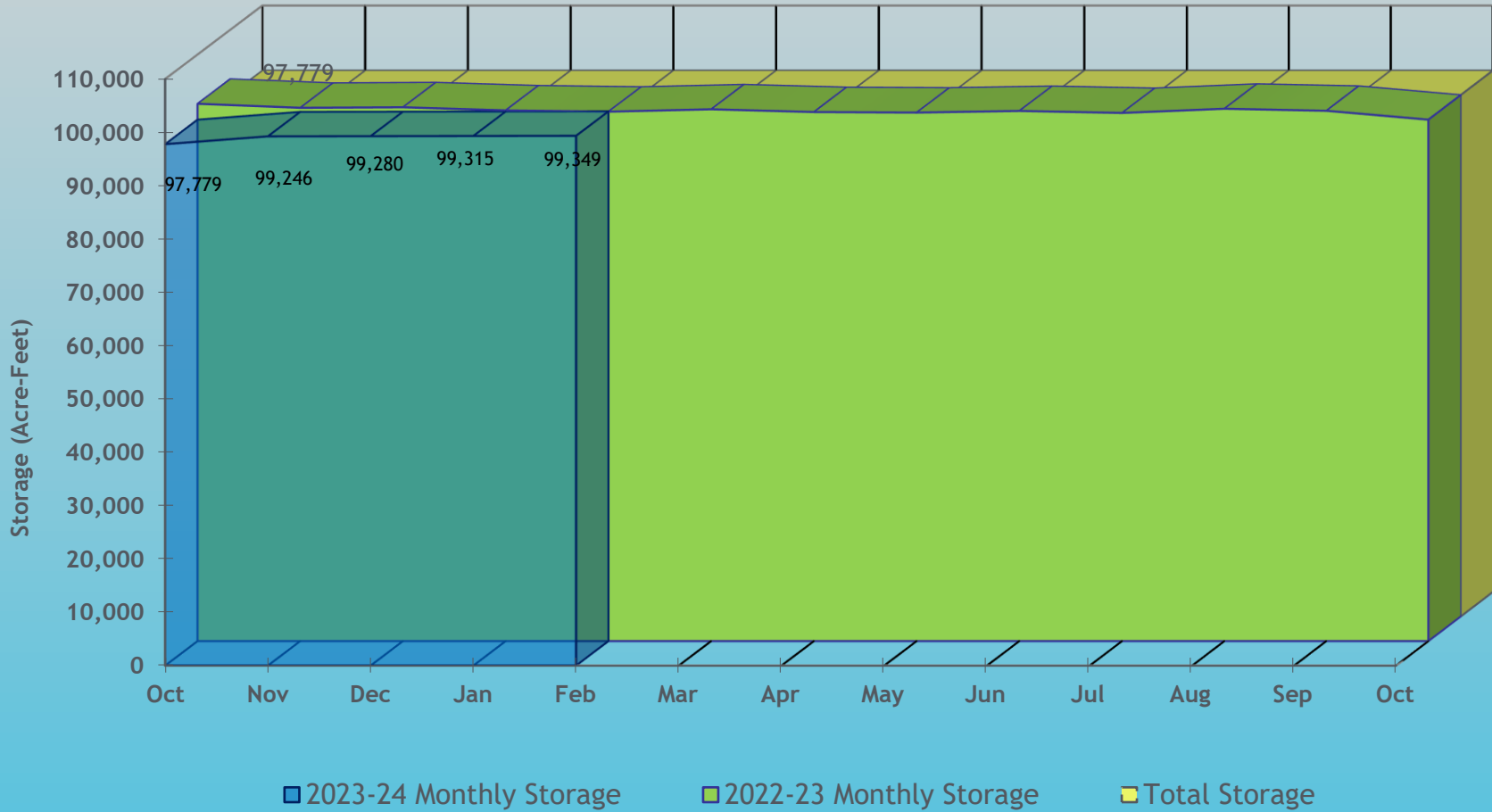
Cheesman Reservoir (District 80 - Municipal)



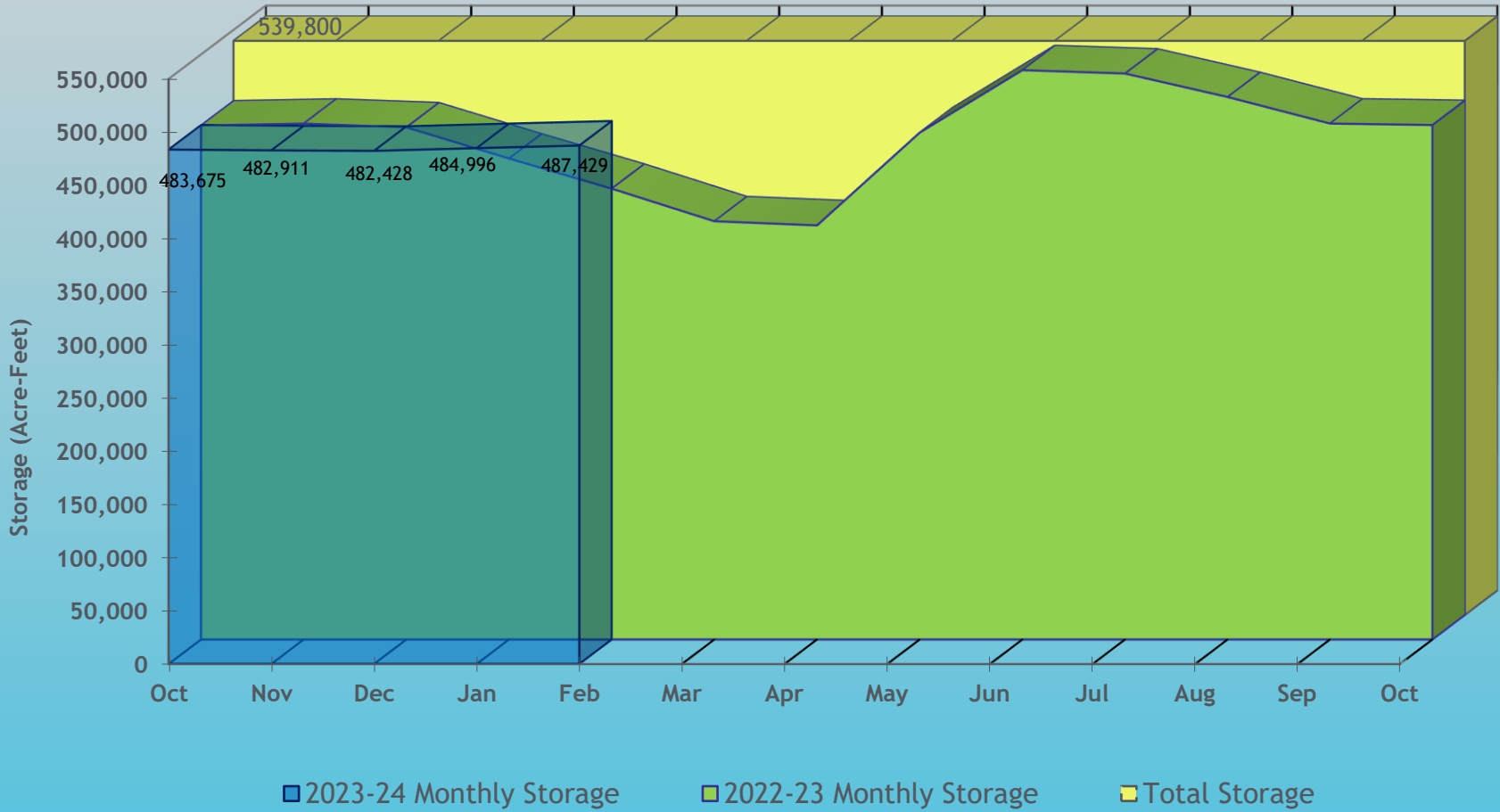
Spinney Mountain Reservoir (District 23 - Municipal)




Eleven Mile Reservoir (District 23 - Municipal)



Lake Granby





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All data is collected by the personnel of
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