



COLORADO
Division of Water Resources
Department of Natural Resources

South Platte Summary May 2024

Compiled by Lee Cunning, P.E.

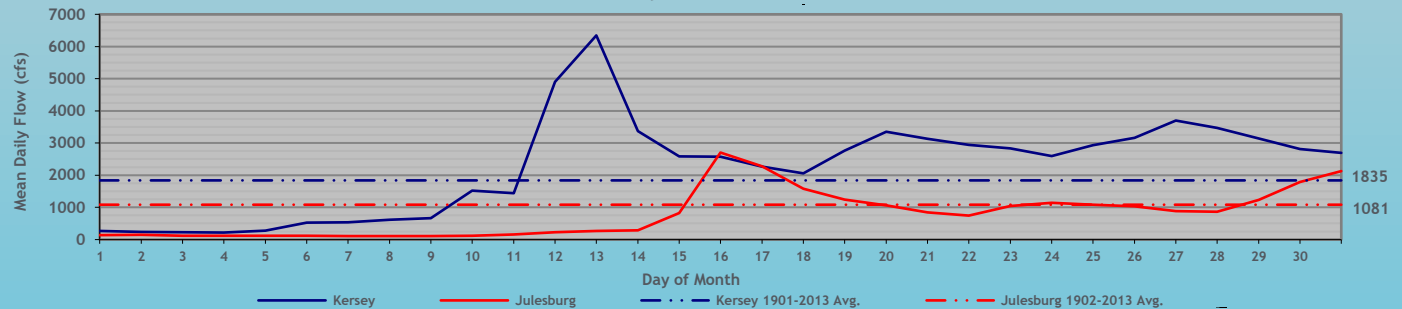
COLORADO DIVISION OF WATER RESOURCES, DIVISION 1

MONTH OF May 2024

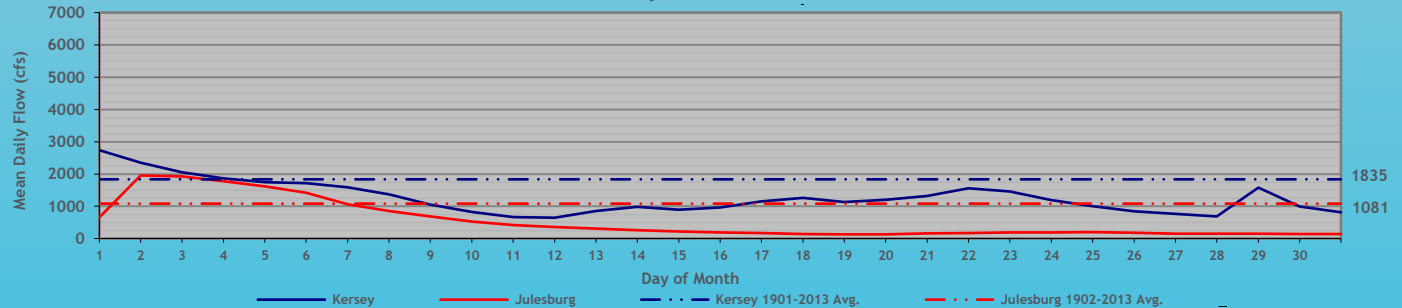
RESERVOIR	FULL ALLOWABLE CAPACITY (ACRE FEET)	FIRST OF MONTH (ACRE FEET)	END OF MONTH (ACRE FEET)	DISTRICT	CHANGE IN STORAGE (ACRE FEET)	% CHANGE IN STORAGE BASED ON FIRST OF MONTH STORAGE	% OF CURRENT FULL ALLOWABLE CAPACITY	% OF CURRENT FULL ALLOWABLE CAPACITY THIS MONTH LAST YEAR	SURCHARGE (ACRE FEET)
JULESBURG	22,666	20,051	19,770	64	-281	-1%	87%	89%	0
N STERLING	73,730	73,725	73,011	64	-714	-1%	99%	100%	0
PREWITT	28,500	32,164	31,320	64	-844	-3%	100%	100%	2,820
JACKSON	27,257	26,805	27,042	1	237	1%	99%	99%	0
EMPIRE	37,700	33,817	33,817	1	0	0%	90%	90%	0
RIVERSIDE	63,113	63,303	59,741	1	-3,562	-6%	95%	99%	0
BARR LAKE	32,152	32,027	27,581	2	-4,446	-14%	86%	99%	0
CHEESMAN	79,064	77,838	79,414	80	1,576	2%	100%	95%	350
ELEVEN MILE	97,779	100,105	99,658	23	-447	0%	100%	100%	1,879
SPINNEY	53,651	45,766	49,288	23	3,522	8%	92%	73%	0
ANTERO	20,015	20,231	19,816	23	-415	-2%	99%	100%	0

RIVER GAGES	MEAN DAILY FLOW (CFS)
KERSEY	1268
JULESBURG	539
THIS MONTH LAST YEAR	
KERSEY	2262
JULESBURG	792
MEAN FOR PERIOD OF RECORD*	
KERSEY	1835
JULESBURG	1081
*Kersey 1901 - 2016	
*Julesburg 1902 - 2016	

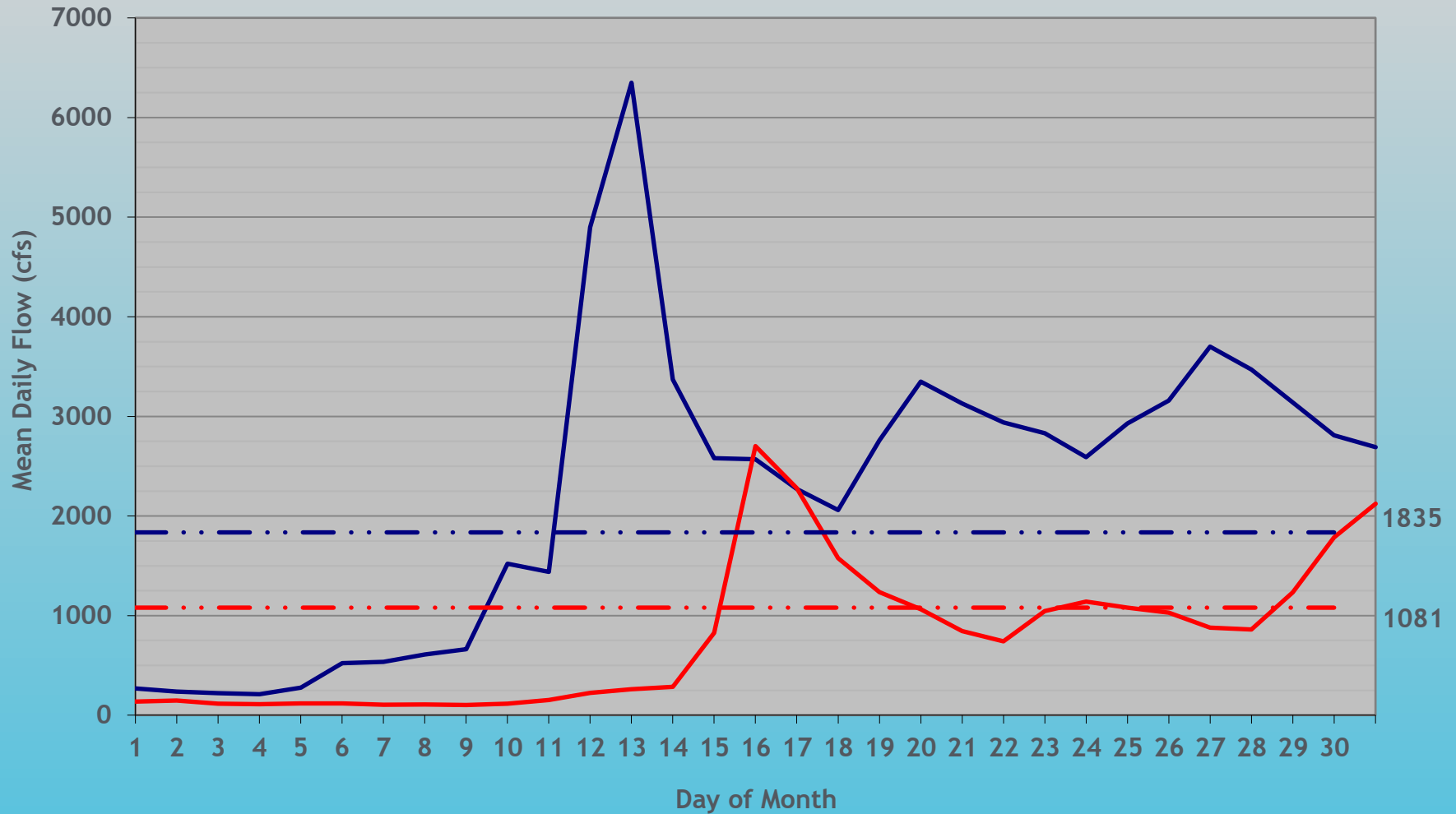
KERSEY and JULESBURG
May 2023



KERSEY and JULESBURG
May 2024

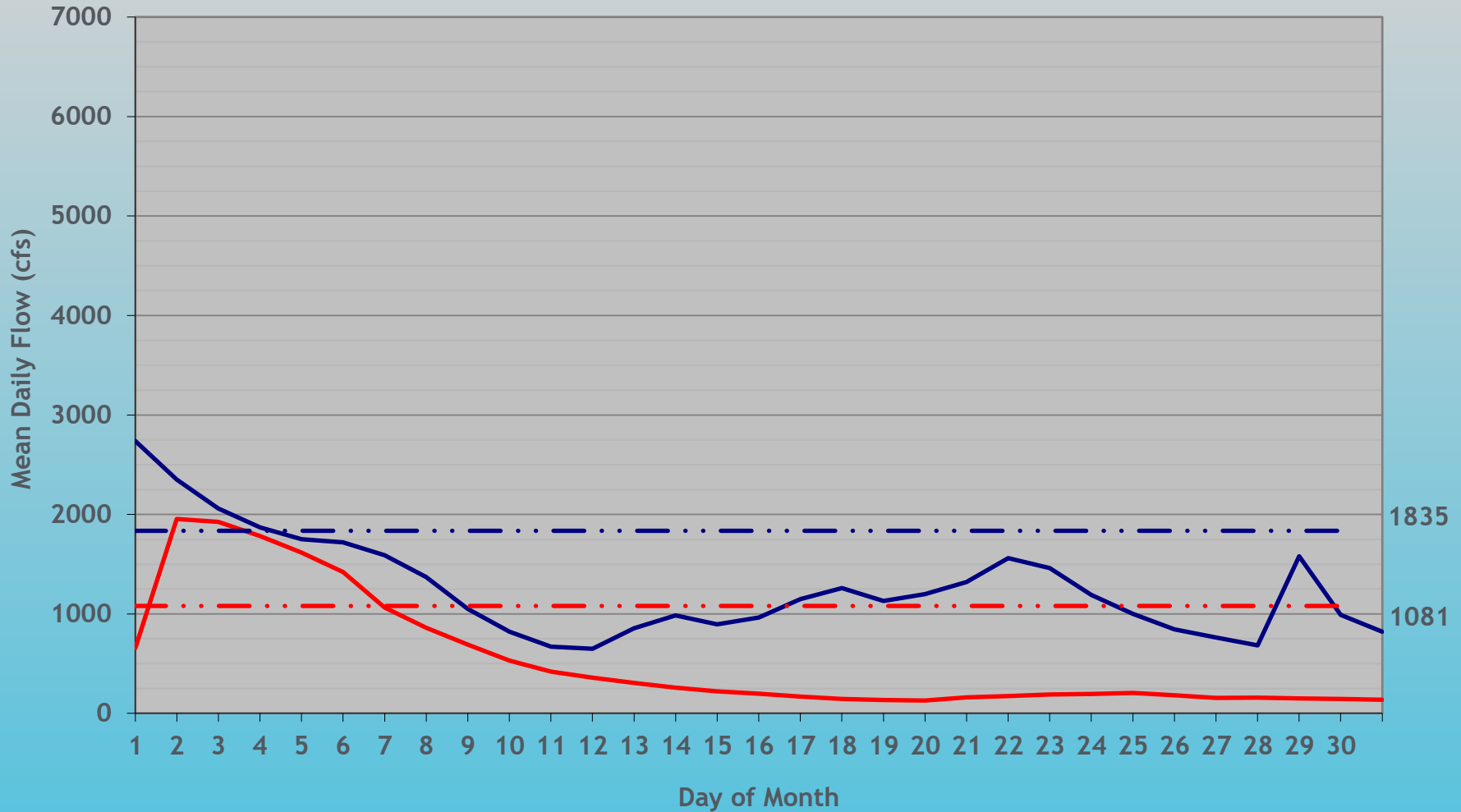


KERSEY and JULESBURG May 2023



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

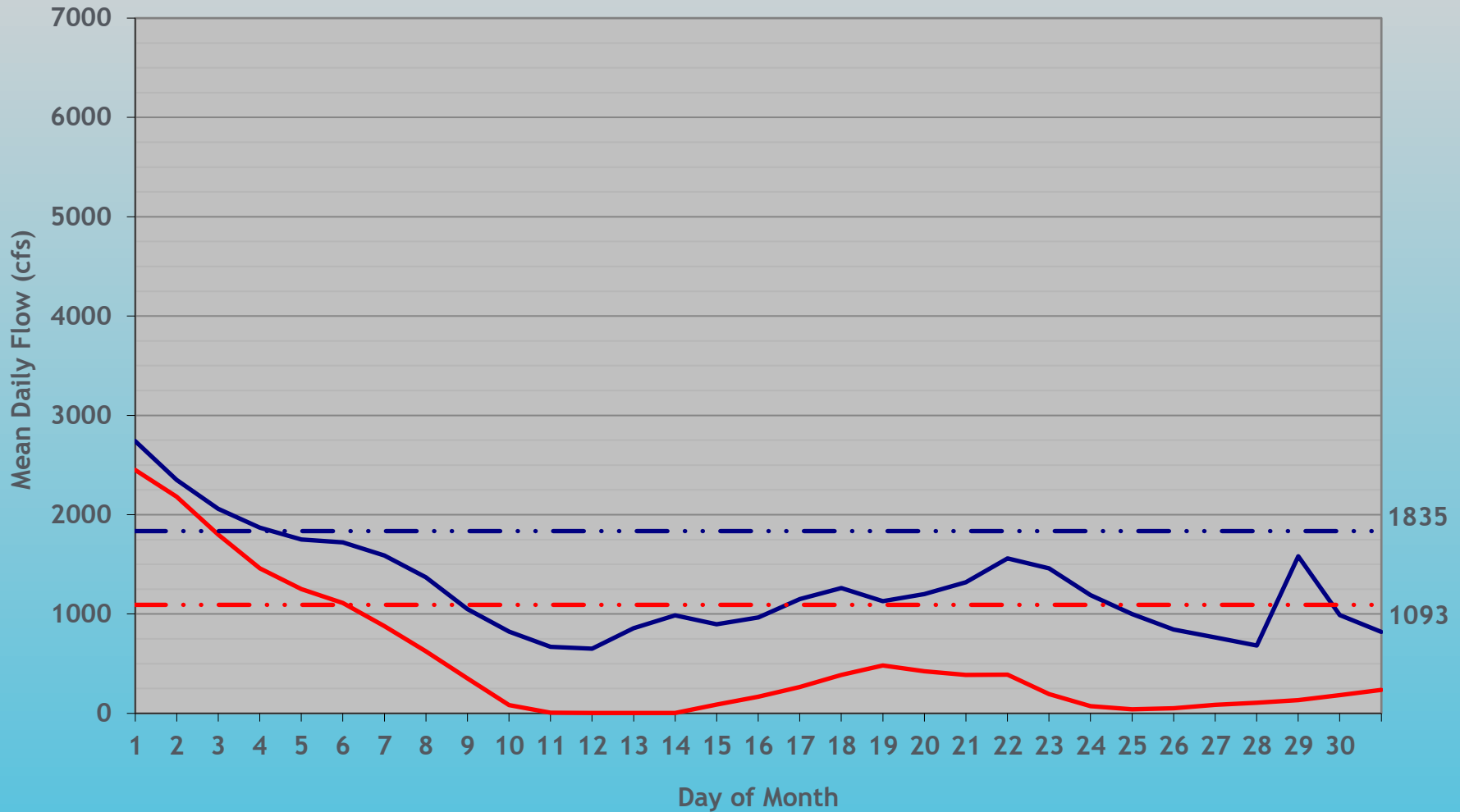
KERSEY and JULESBURG May 2024



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

KERSEY and BALZAC

May 2024



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



South Platte River Monthly Stream Flow (cfs) Statistics

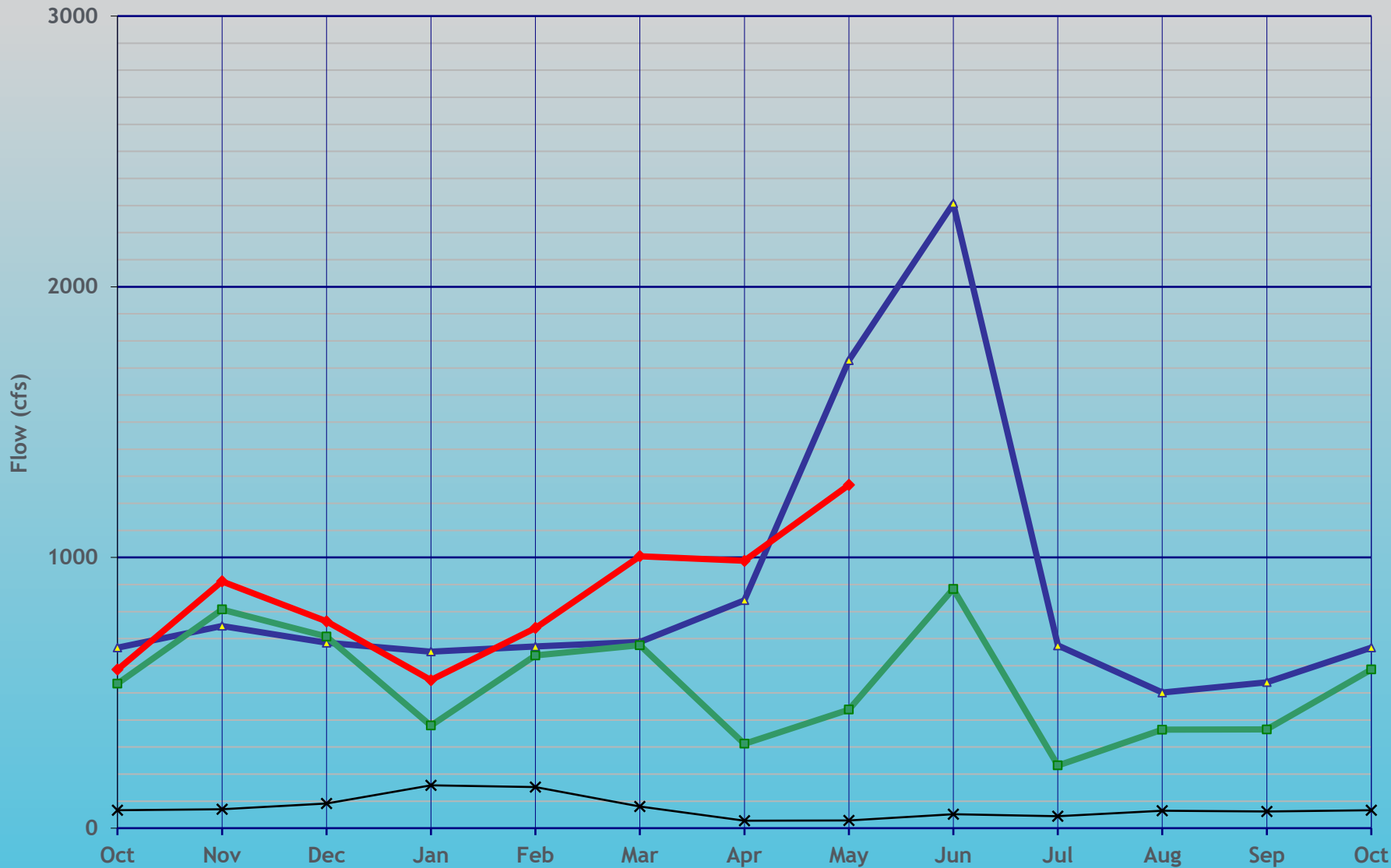
South Platte River at Kersey							South Platte River at Julesburg						
Month	Historic* Mean Flow	Historic* Max Flow	Year	Historic* Min Flow	Year	IY 2024 Mean Monthly Flow	Month	Historic* Mean Flow	Historic* Max Flow	Year	Historic* Min Flow	Year	IY 2024 Mean Monthly Flow
Oct	667	6180	1984	66	1954	586	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	1005	Mar	512	12900	1910	15	1904	313
Apr	842	18100	1942	28	1955	988	Apr	514	14400	1942	4.0	1904	267
May	1728	26100	1973	29	1955	1268	May	994	18100	1973	12	1911	539
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

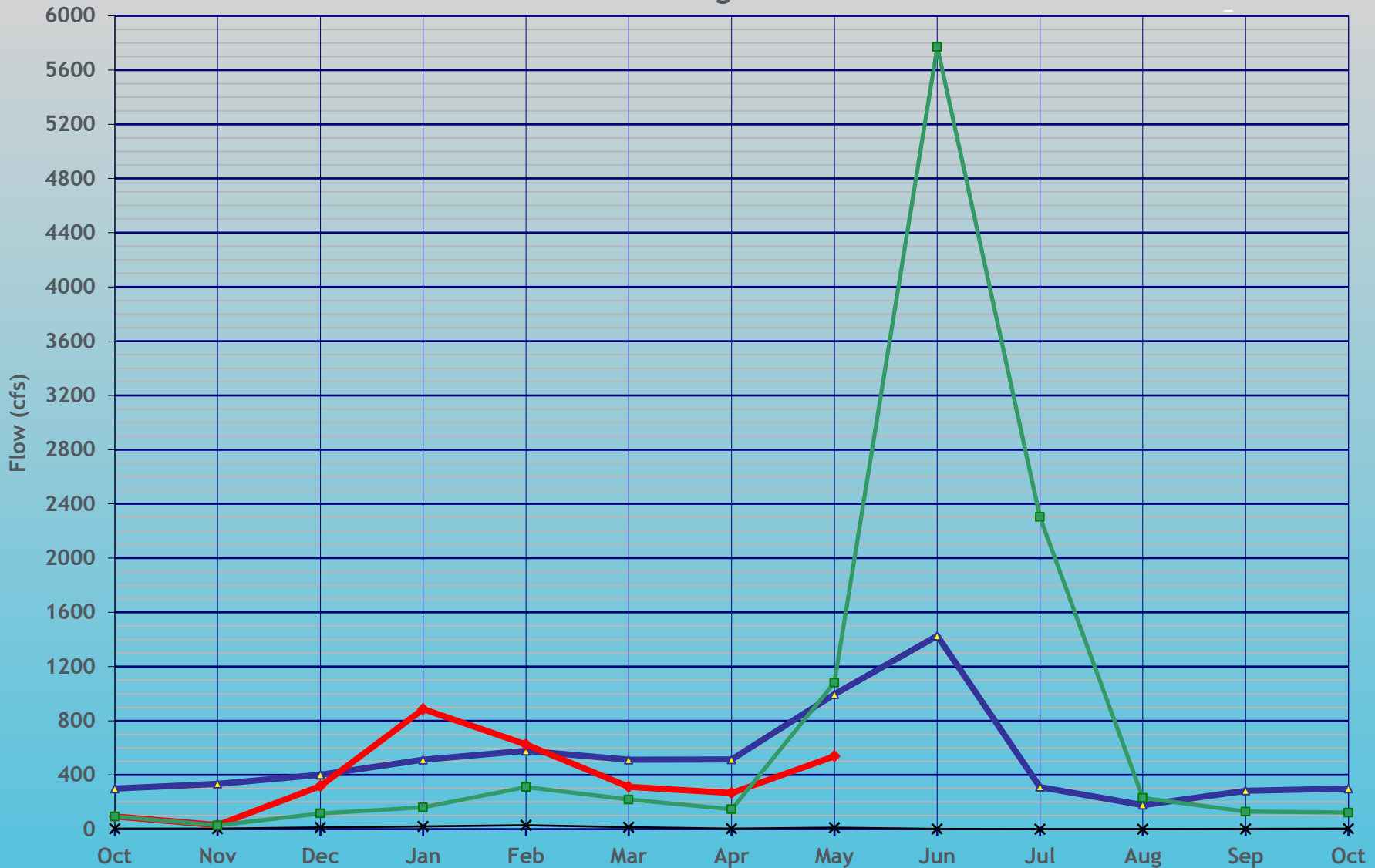


—▲— Historic* Mean Flow —×— Historic* Min Flow —◆— 2023-2024 Mean Flow —■— 2022-2023 Mean Flow

*1901-2021

South Platte River at Julesburg

Irrigation Year



Historic* Mean Flow

Historic* Min Flow

2023-2024 Mean Flow

2022-2023 Mean Flow

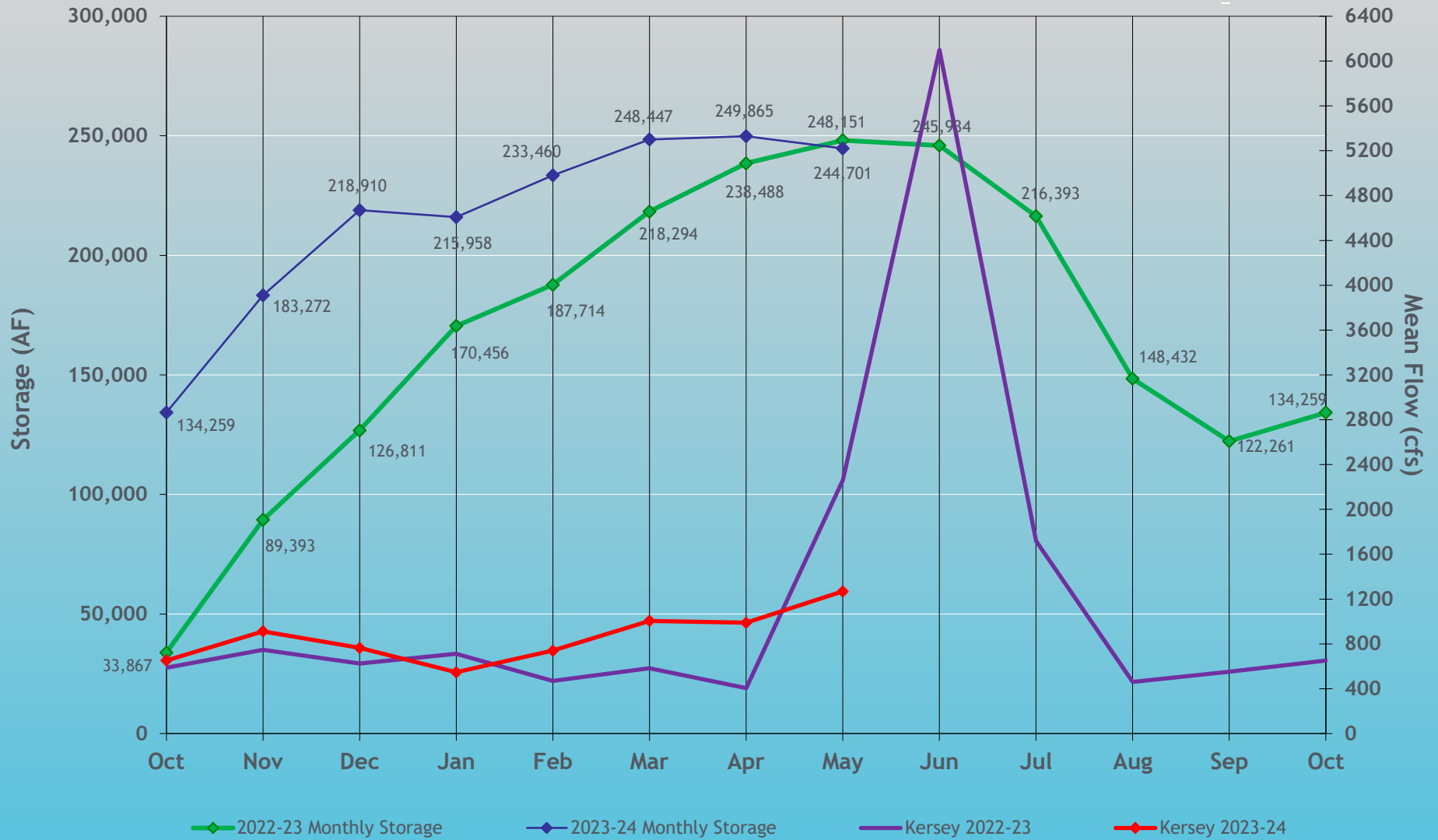
*1901-2021



Next three slides show Reservoir Storage above and below Kersey

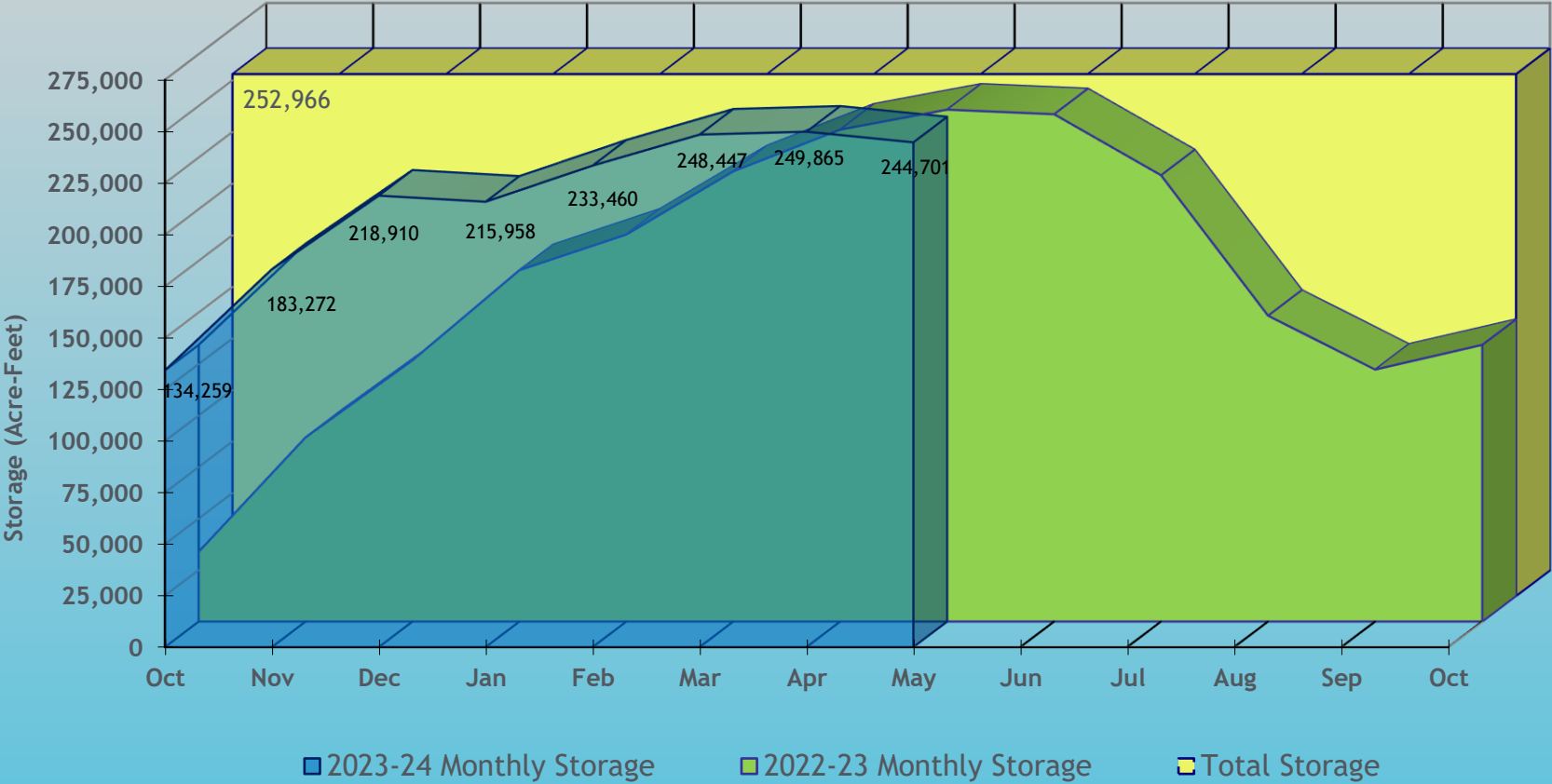
Reservoir Storage below Kersey

Selected Reservoirs*



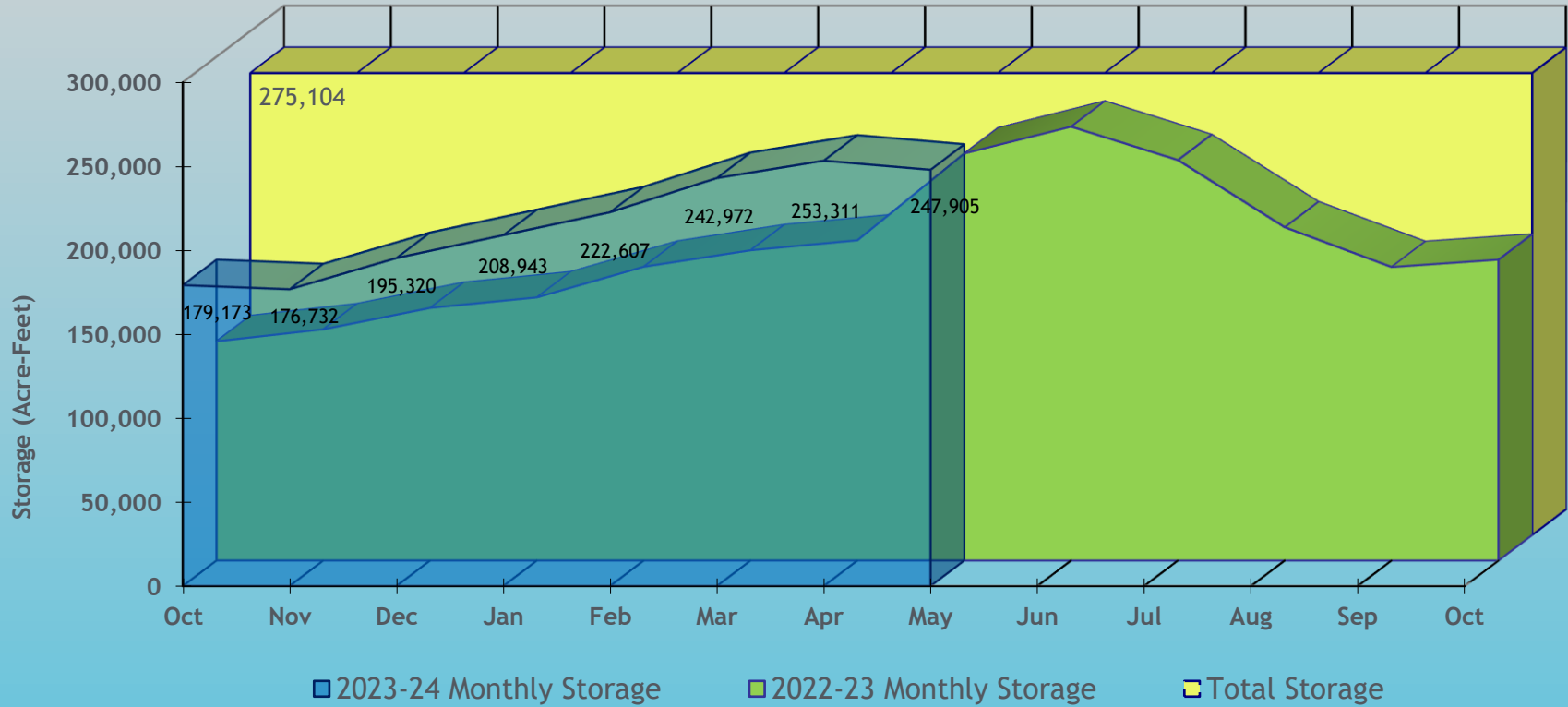
*Empire, Riverside, Jackson, Prewitt, North Sterling, & Julesburg

South Platte Reservoir Storage below Kersey*



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

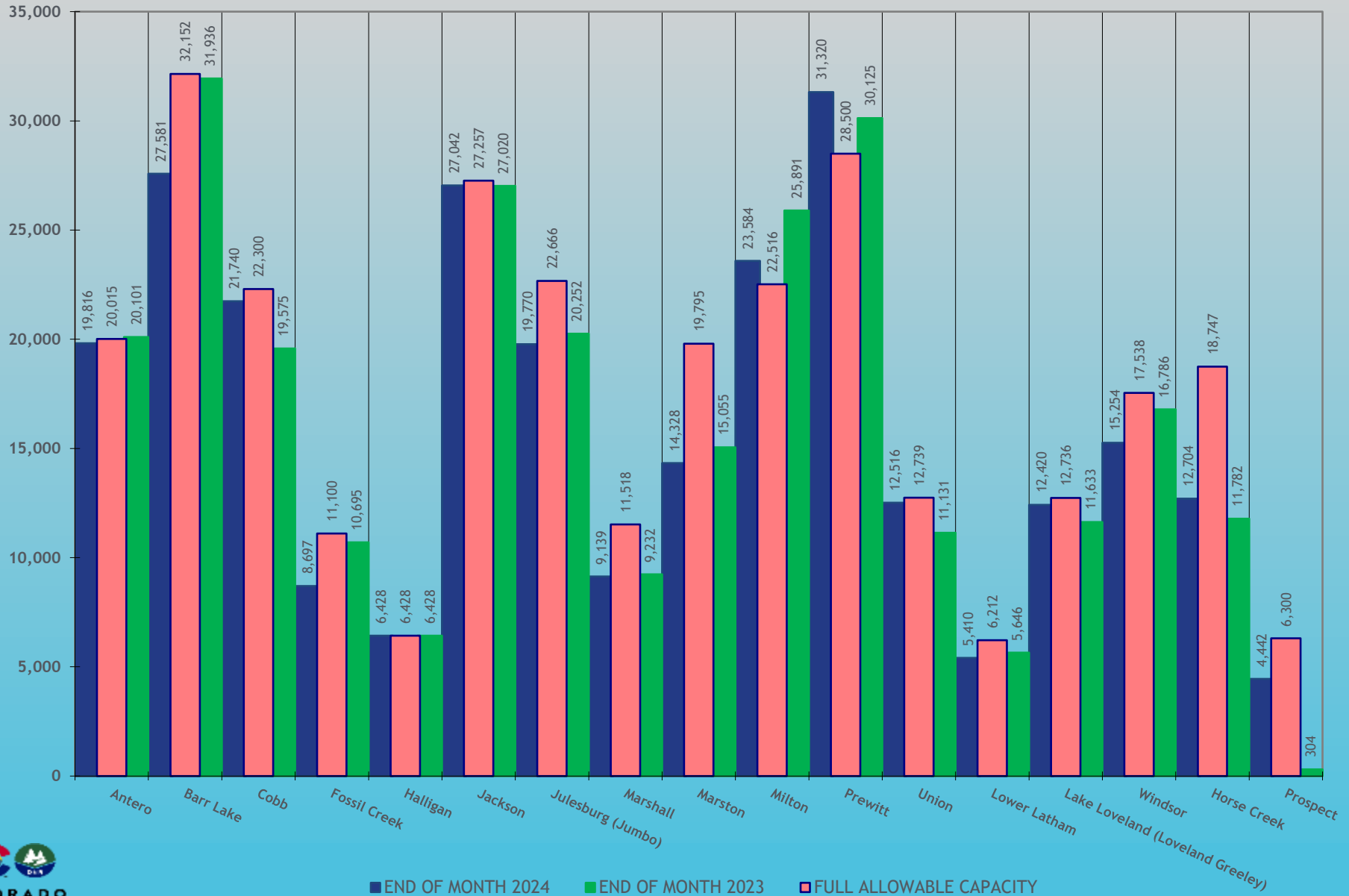
South Platte Reservoir Storage above Kersey*



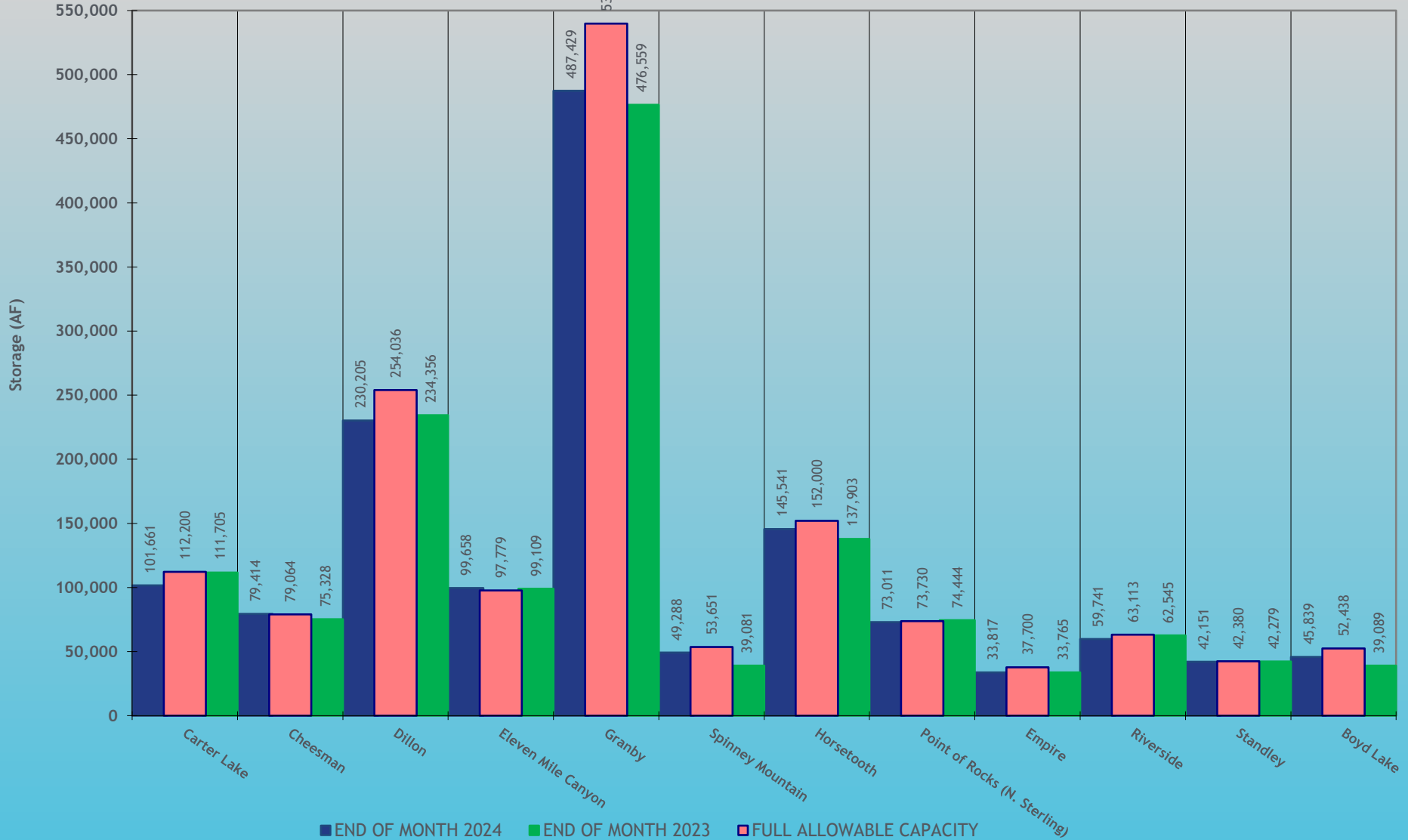
*Barr, Cobb, Fossil Crk, Halligan, Marshall, Milton, Union, Standley, Lower Latham, Boyd, Loveland, Windsor, Horse Crk, & Prospect



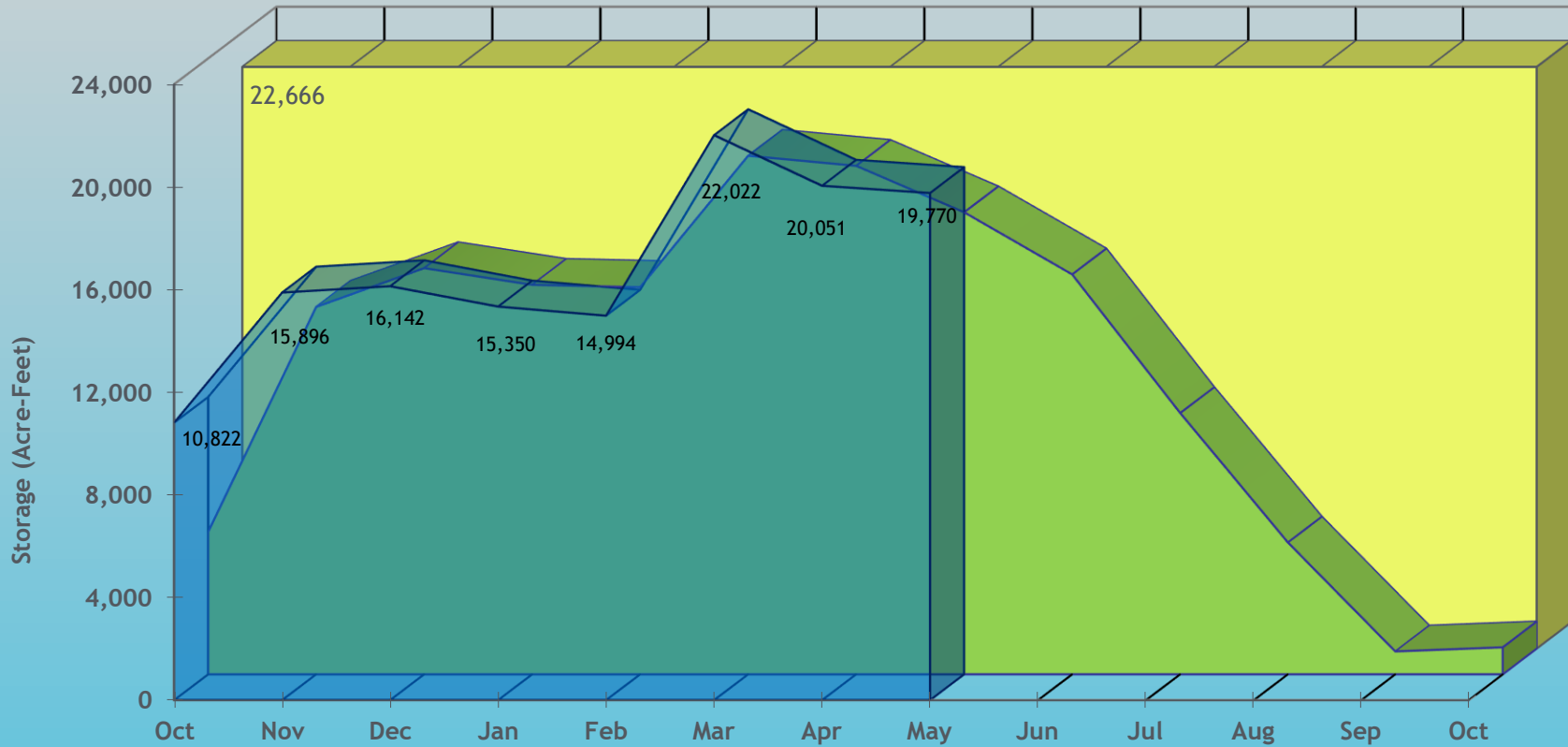
May Reservoir Change in Storage IY2023 versus IY2024



May Reservoir Change in Storage IY2023 versus IY2024



Julesburg Reservoir (District 64 - Agricultural)

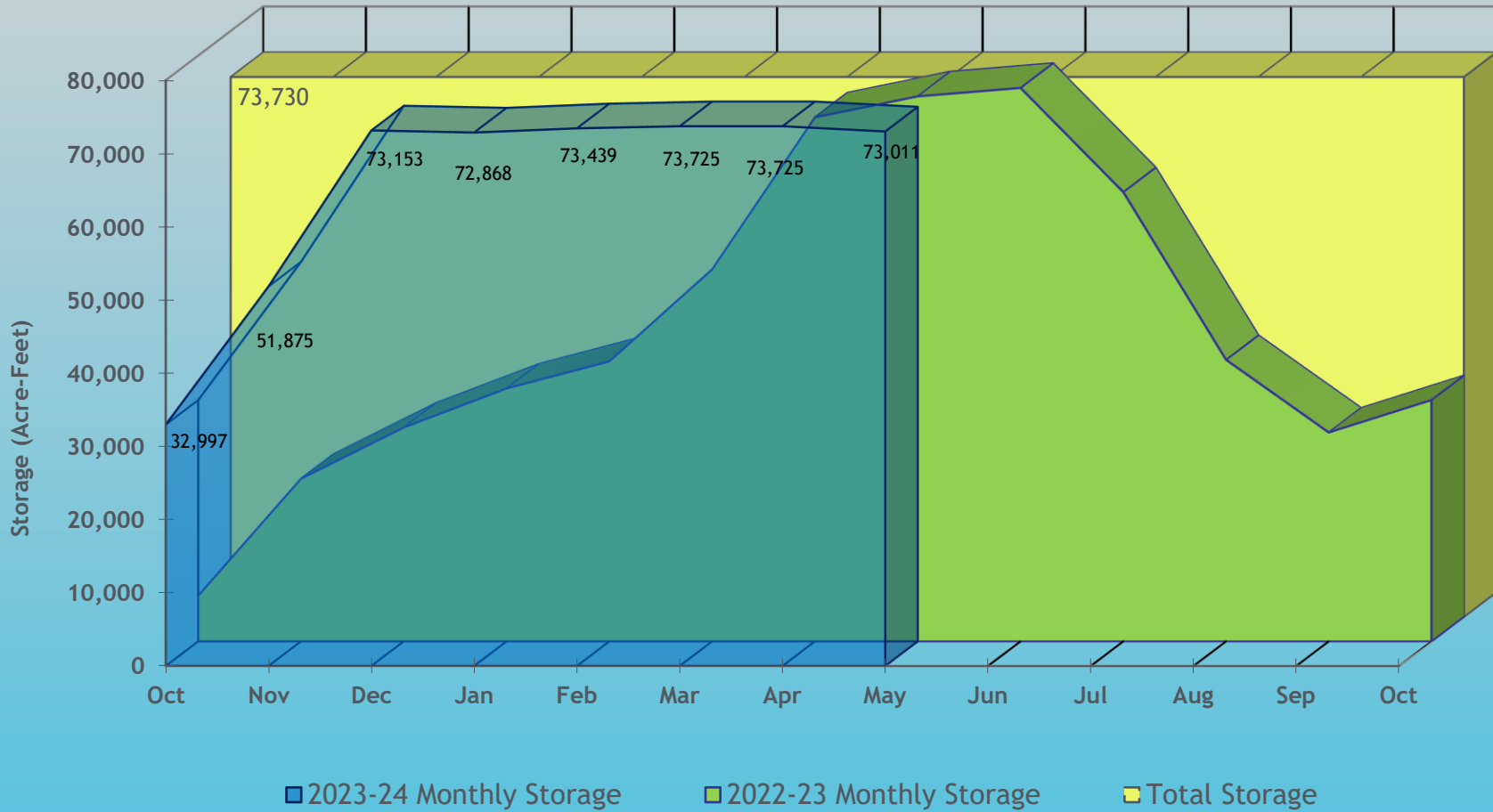


■ 2023-24 Monthly Storage

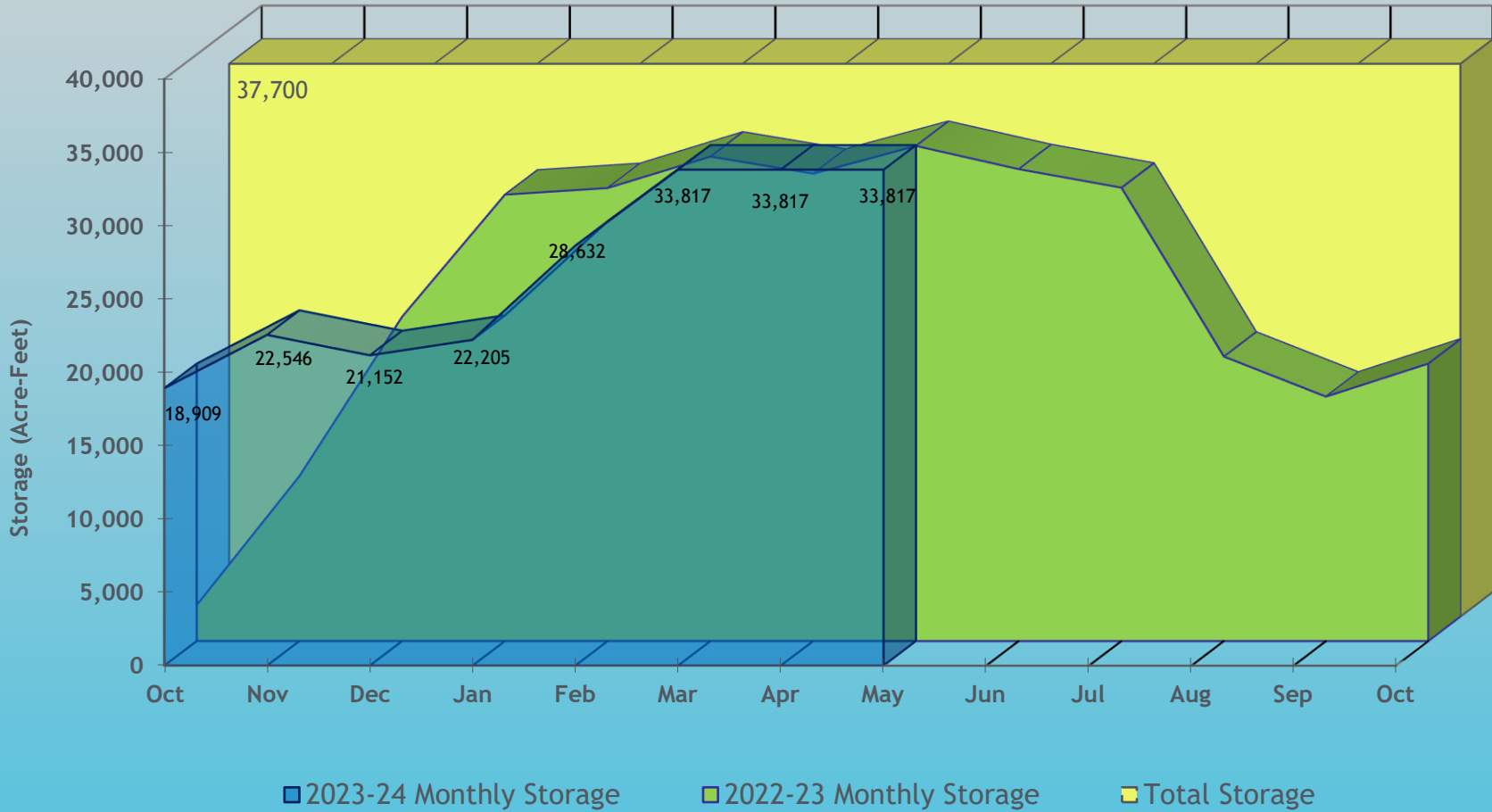
■ 2022-23 Monthly Storage

■ Total Storage

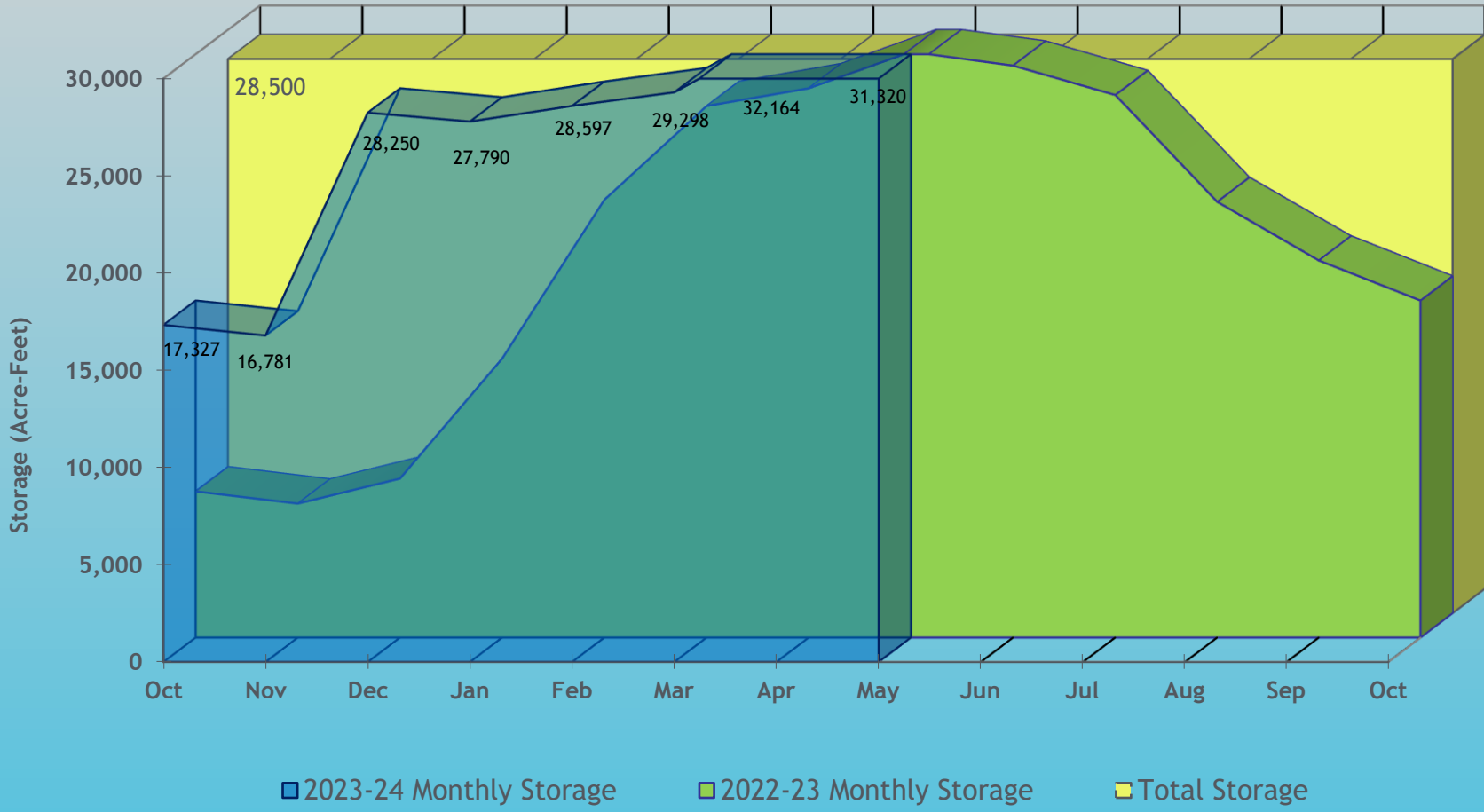
North Sterling Reservoir (District 64 - Agricultural)



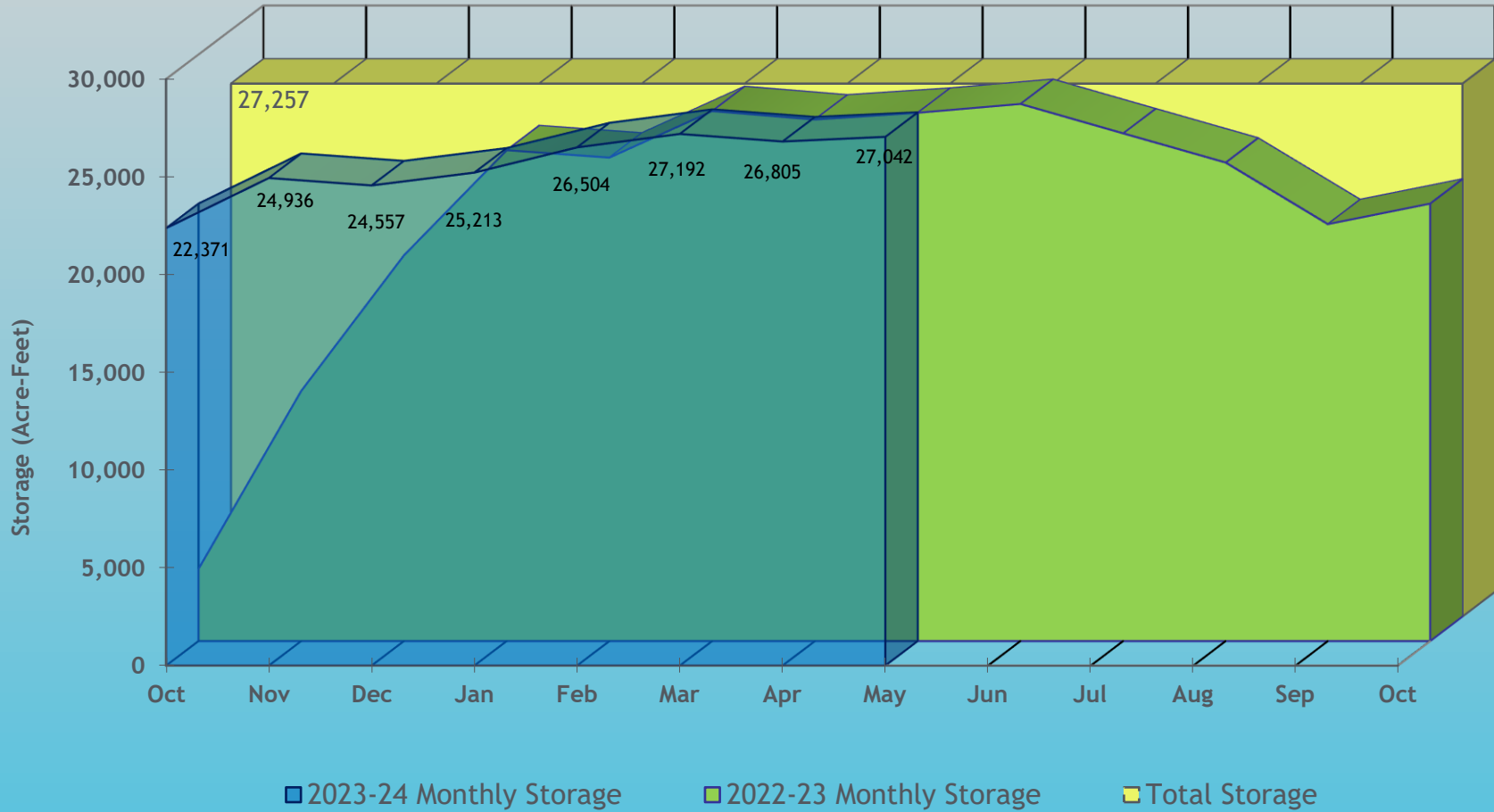
Empire Reservoir (District 1 - Agricultural)



Prewitt Reservoir (District 64 - Agricultural)



Jackson Reservoir (District 1 - Agricultural)

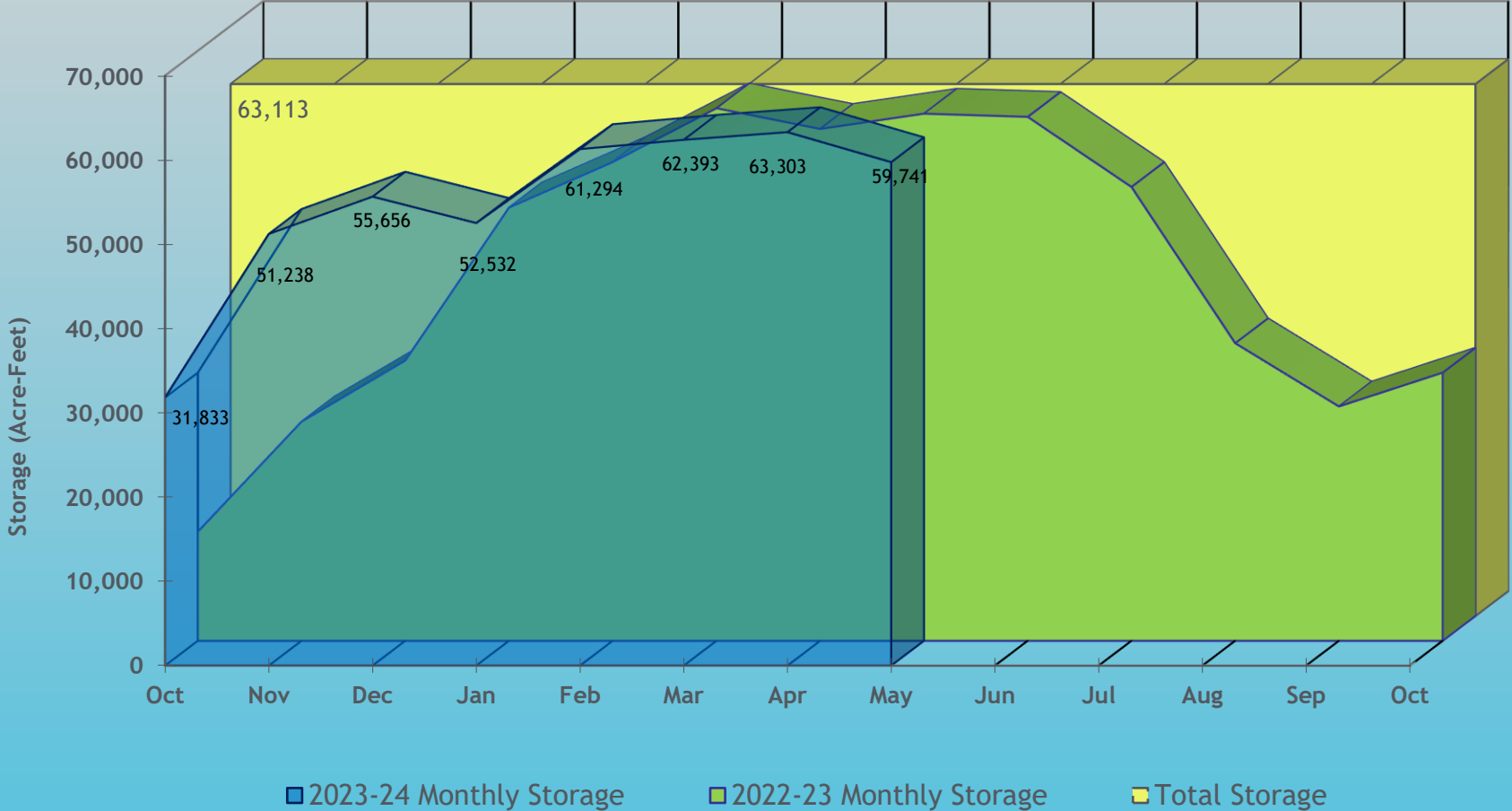


■ 2023-24 Monthly Storage

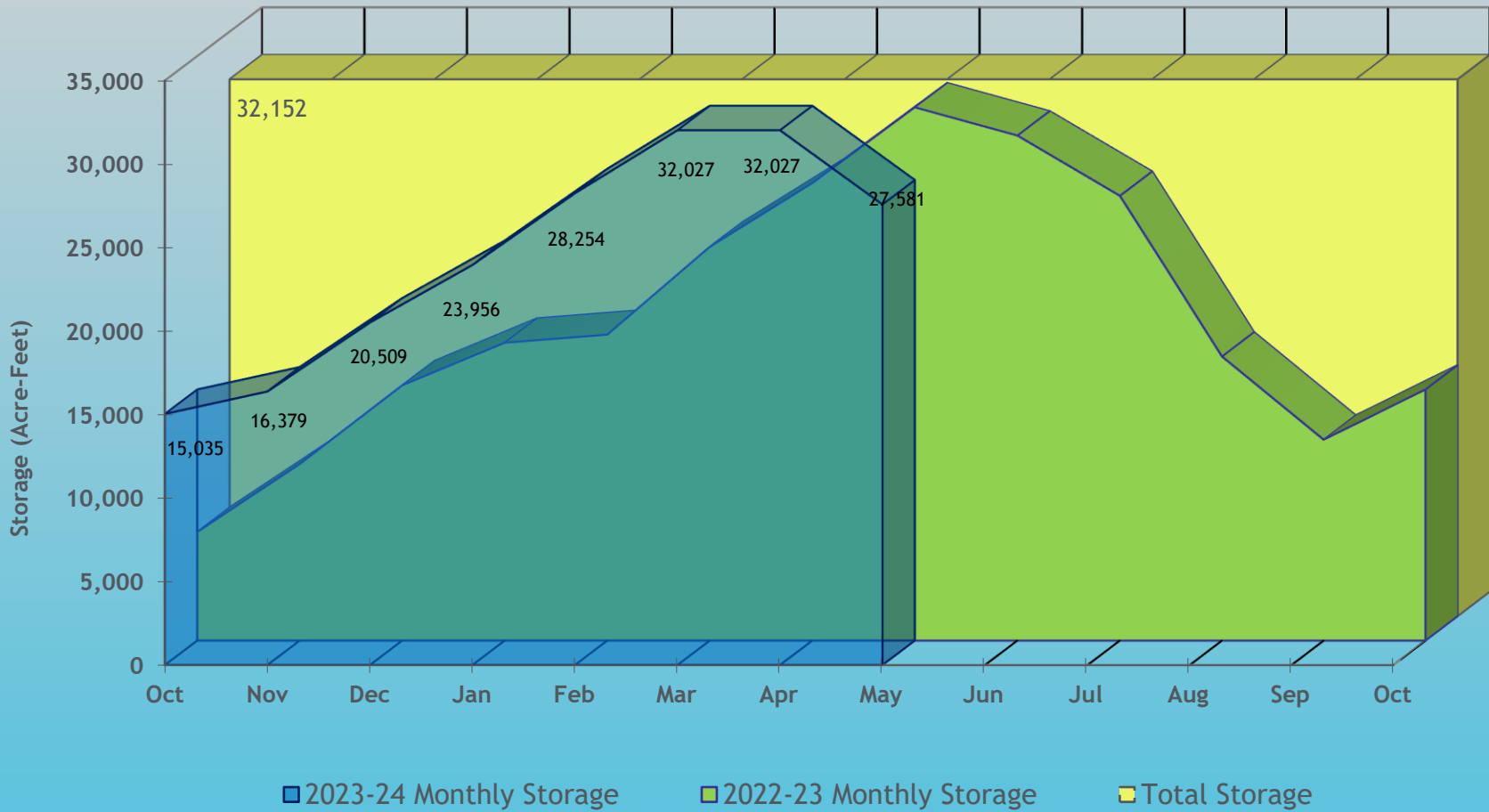
■ 2022-23 Monthly Storage

■ Total Storage

Riverside Reservoir (District 1 - Agricultural)



Barr Reservoir (District 2 - Agricultural)

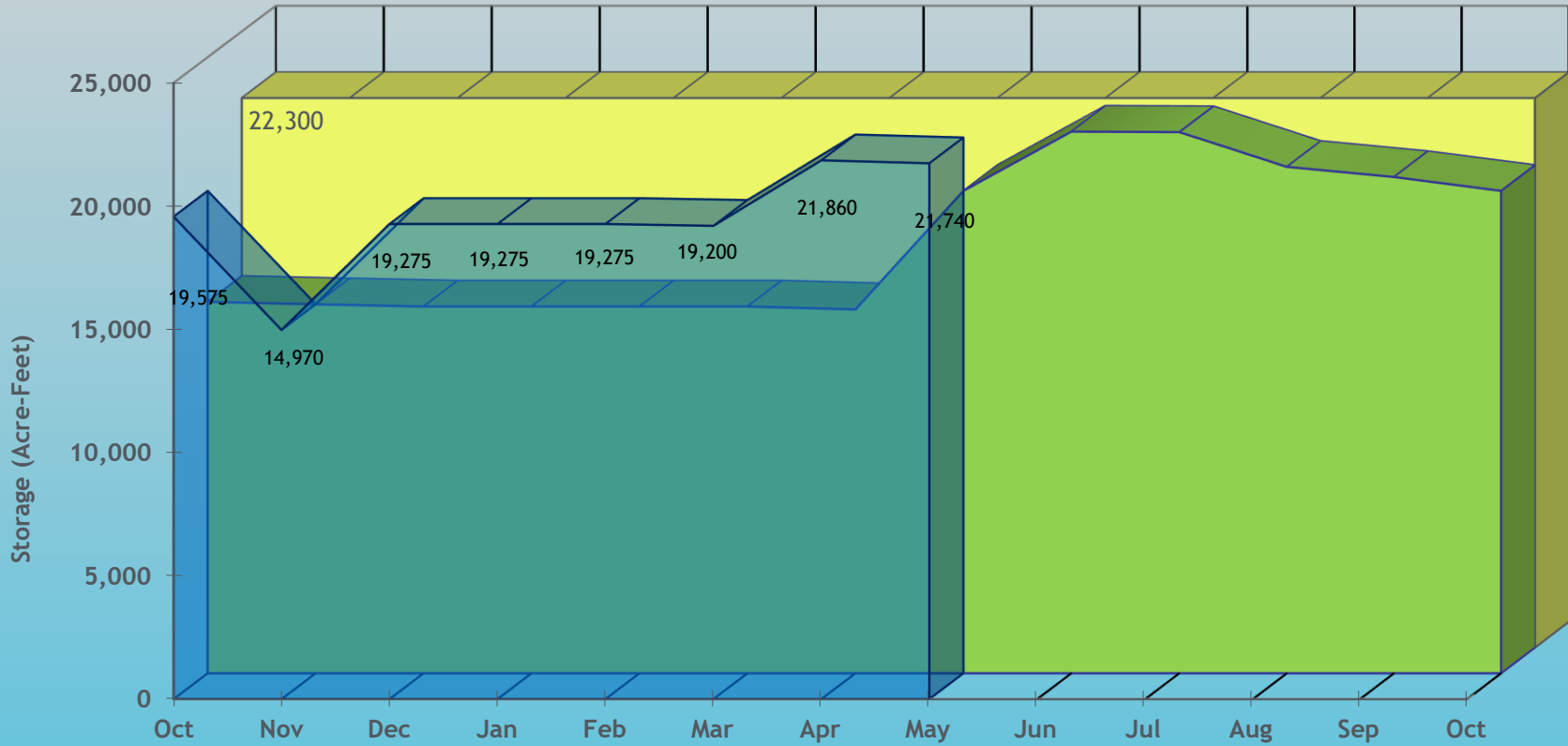


■ 2023-24 Monthly Storage

■ 2022-23 Monthly Storage

■ Total Storage

Cobb Reservoir (District 3, Poudre River - Agricultural)

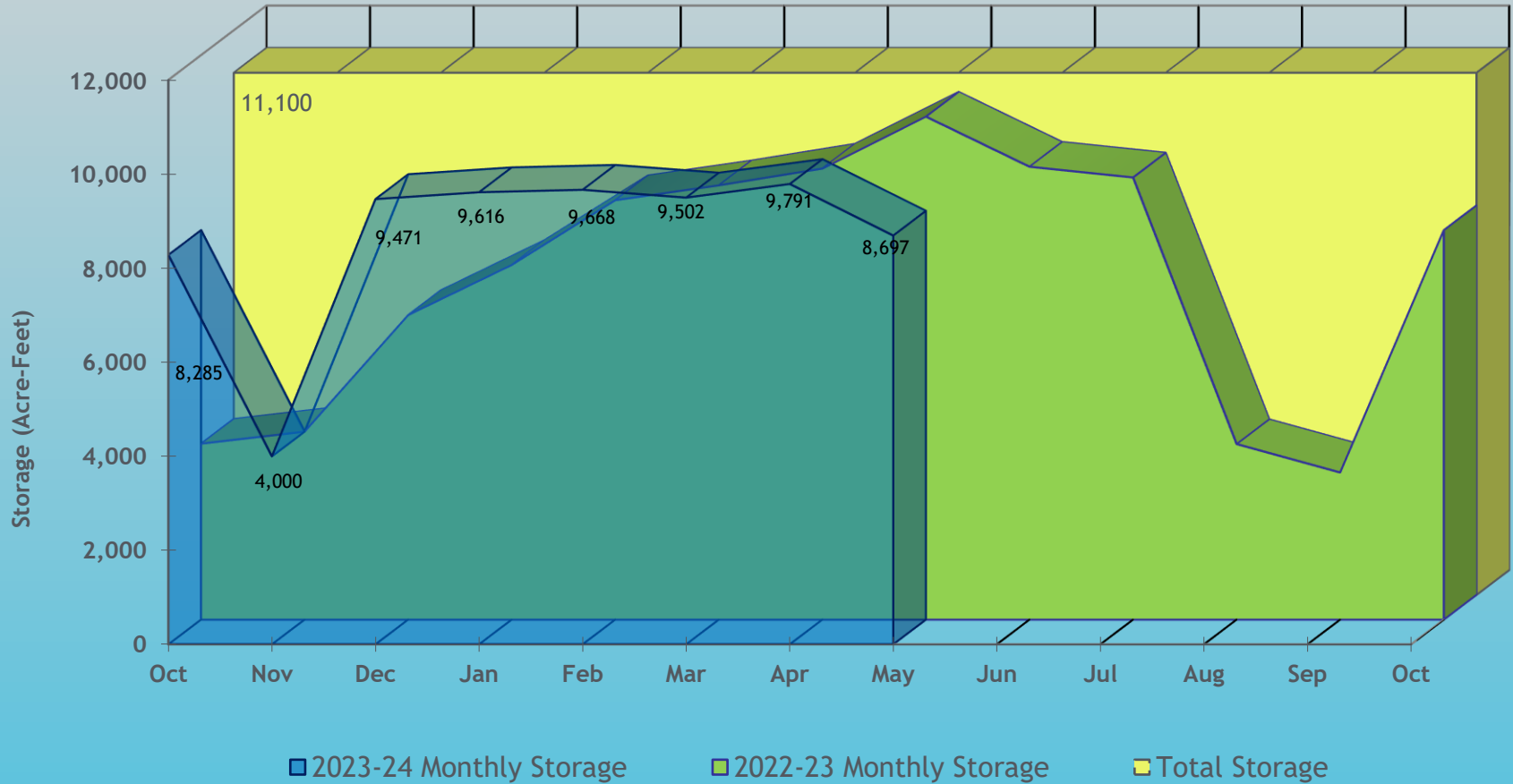


■ 2023-24 Monthly Storage

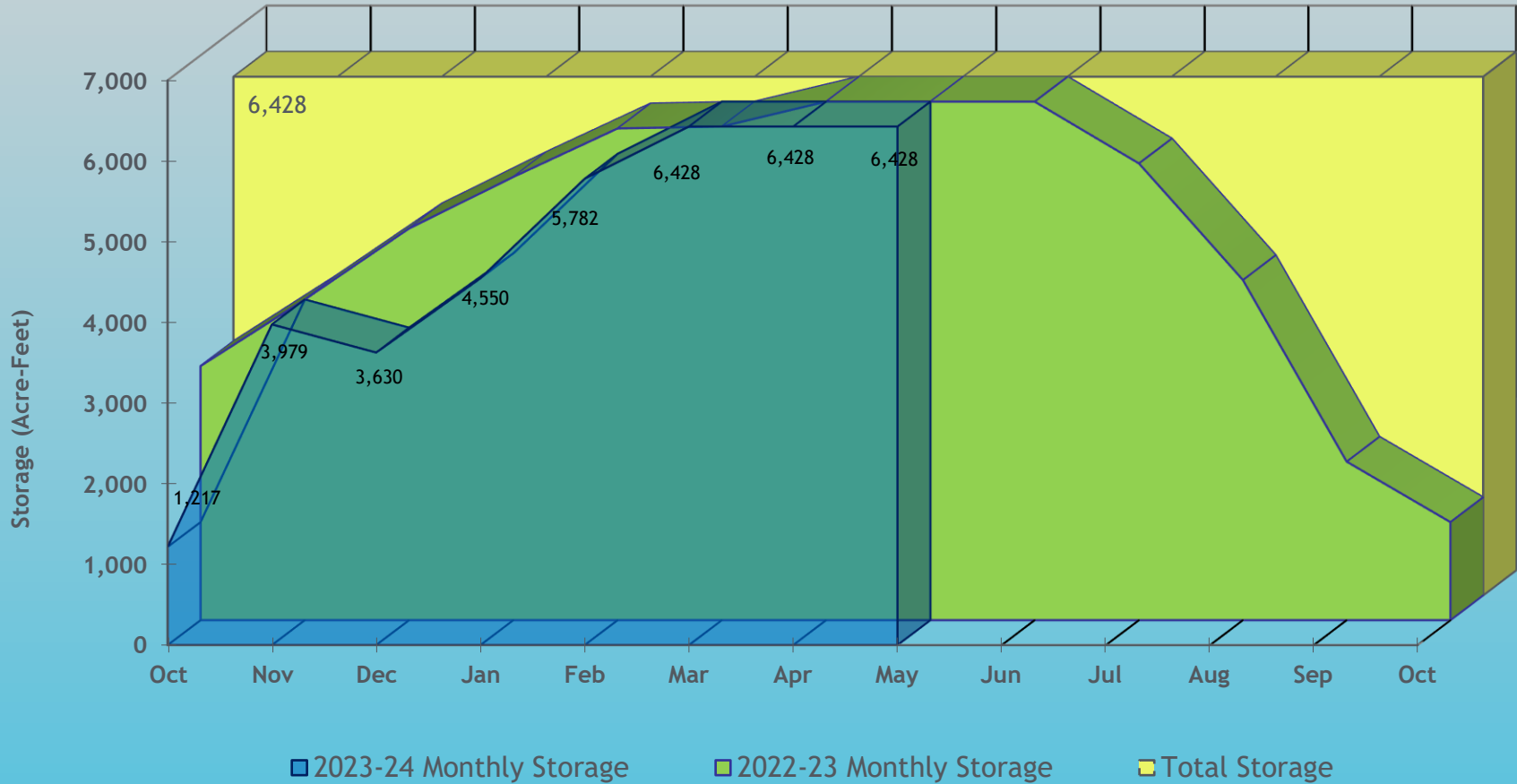
■ 2022-23 Monthly Storage

■ Total Storage

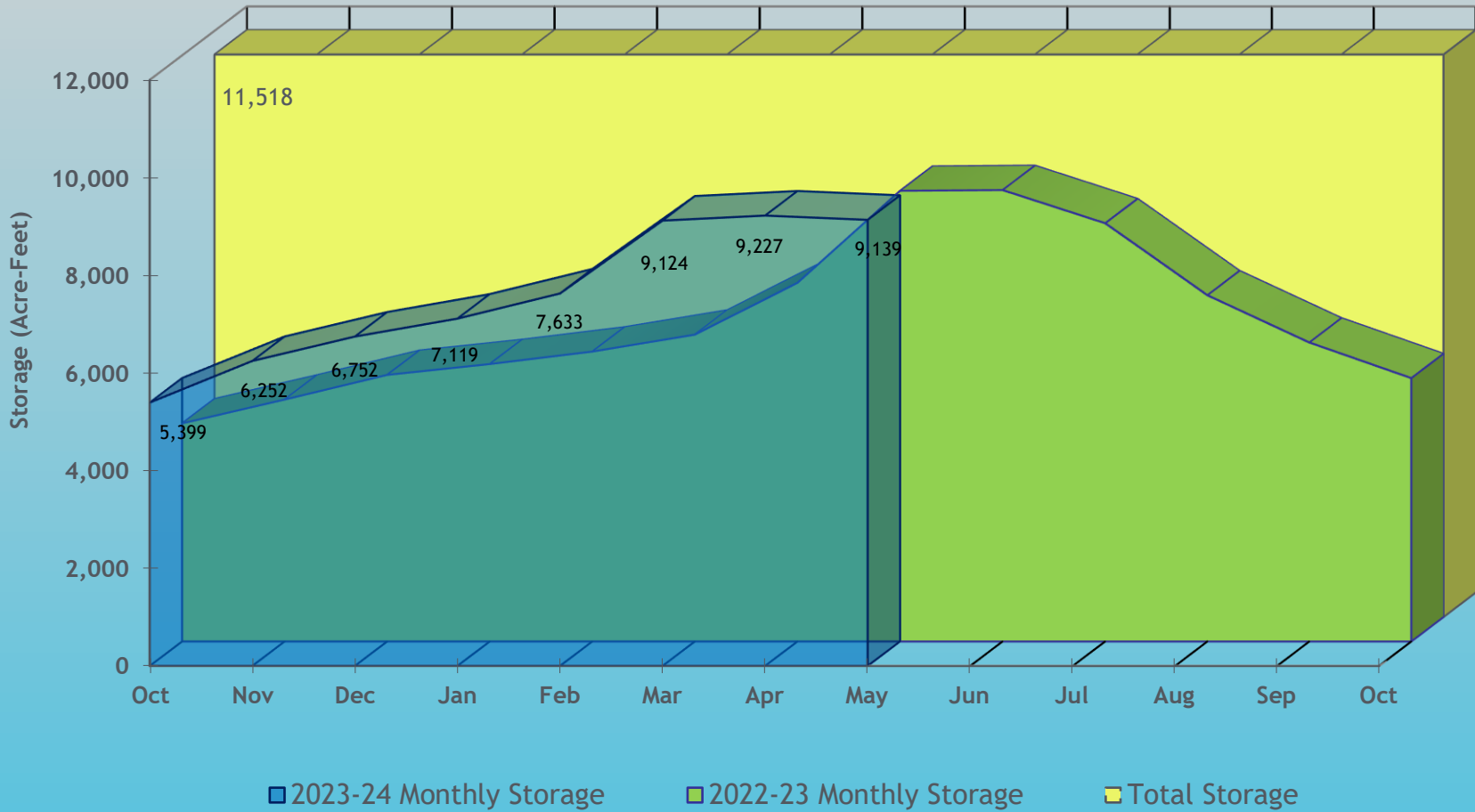
Fossil Creek Reservoir (District 3, Poudre River - Agricultural)



Halligan Reservoir (District 3, Poudre River - Agricultural)



Marshall Lake (District 6, Boulder Creek - Agricultural)

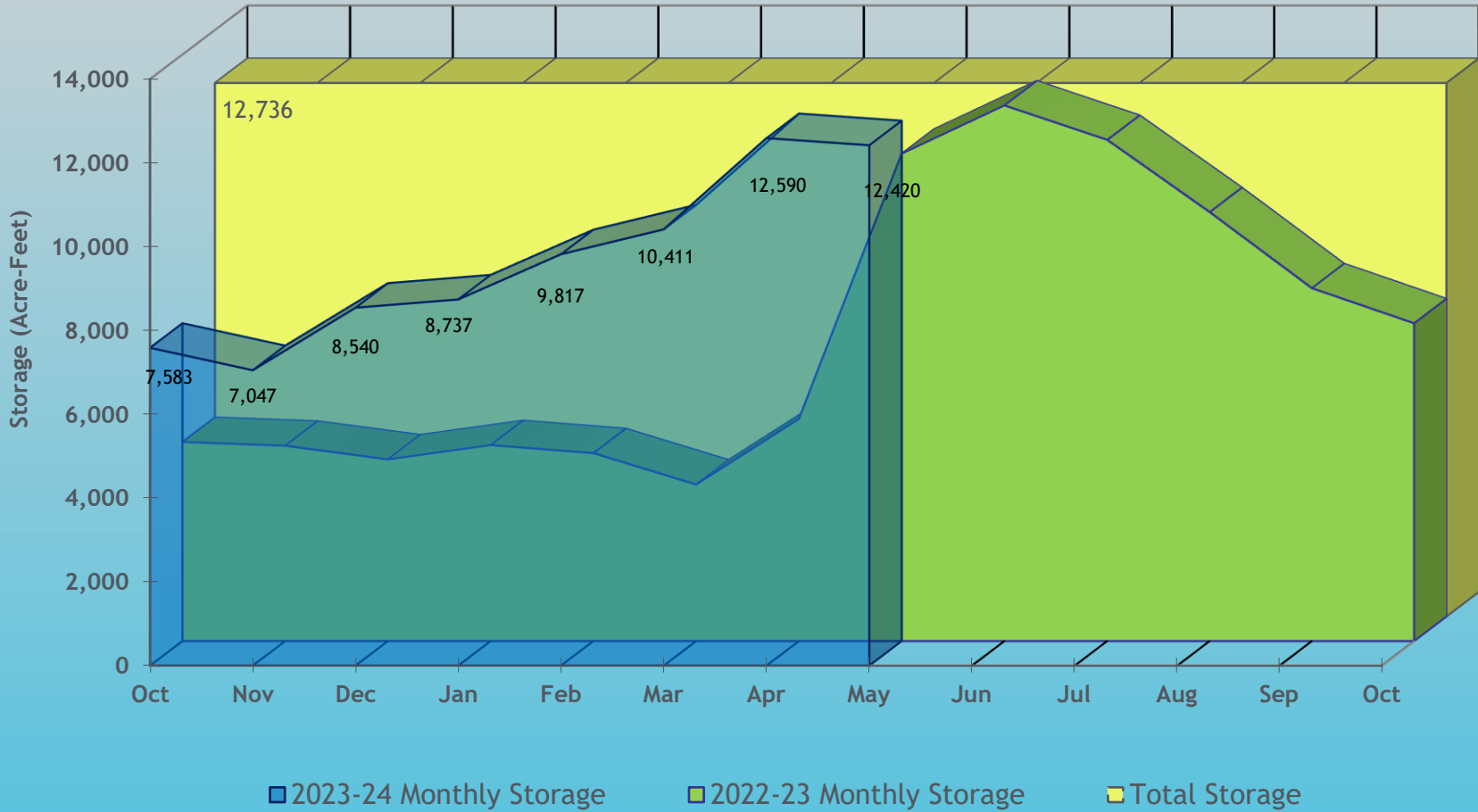


■ 2023-24 Monthly Storage

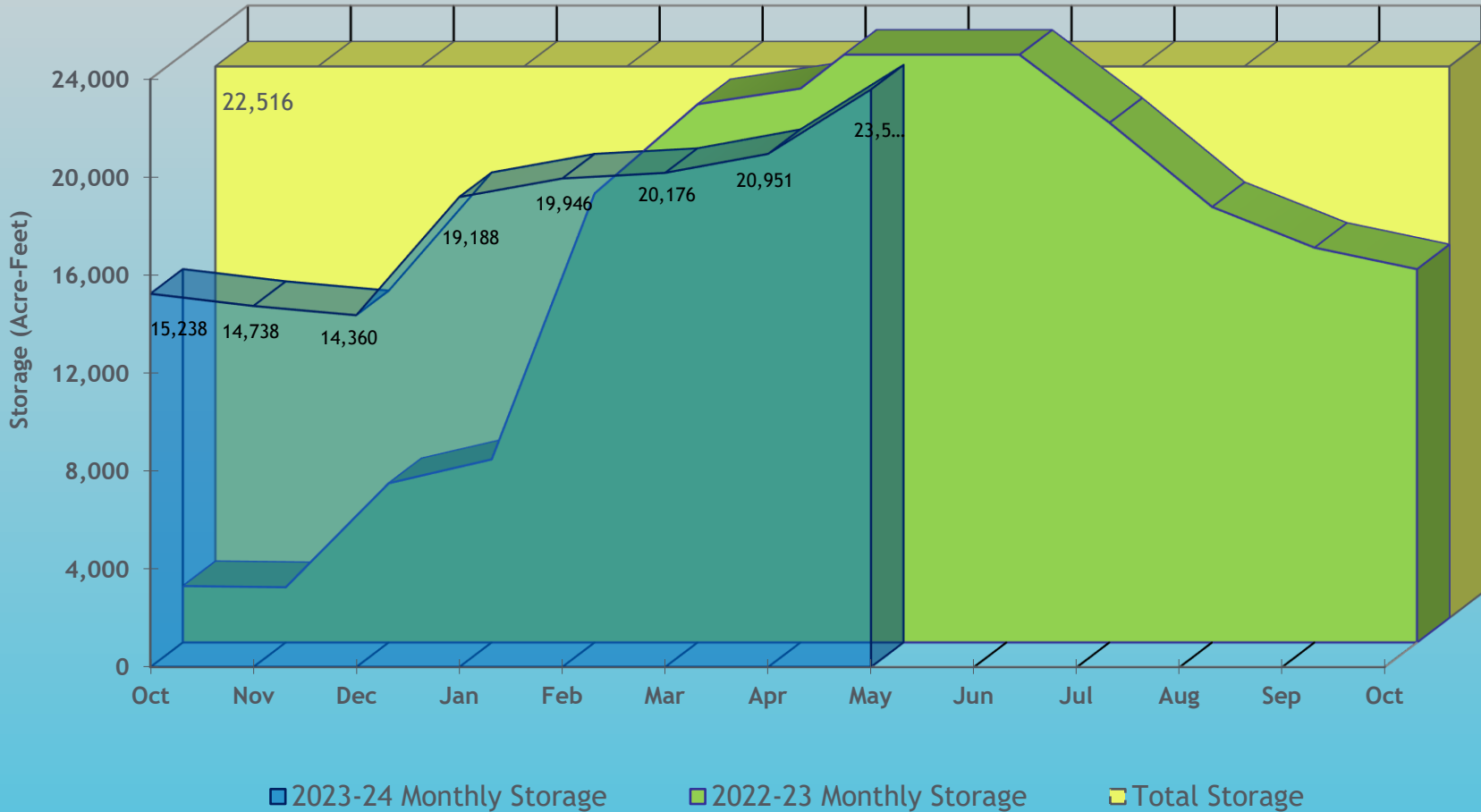
■ 2022-23 Monthly Storage

■ Total Storage

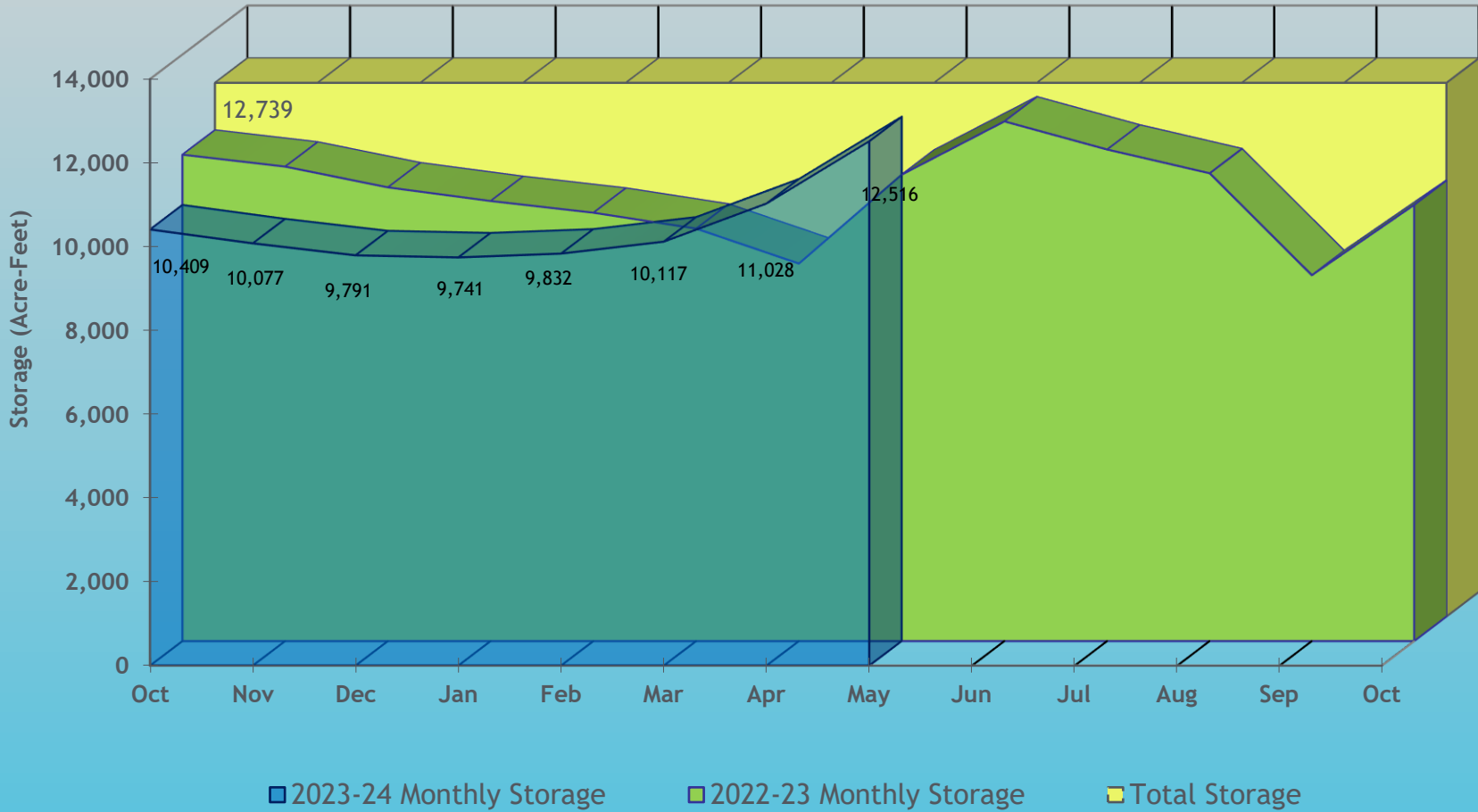
Loveland Greeley Reservoir (District 4, Big Thompson River - Agricultural)



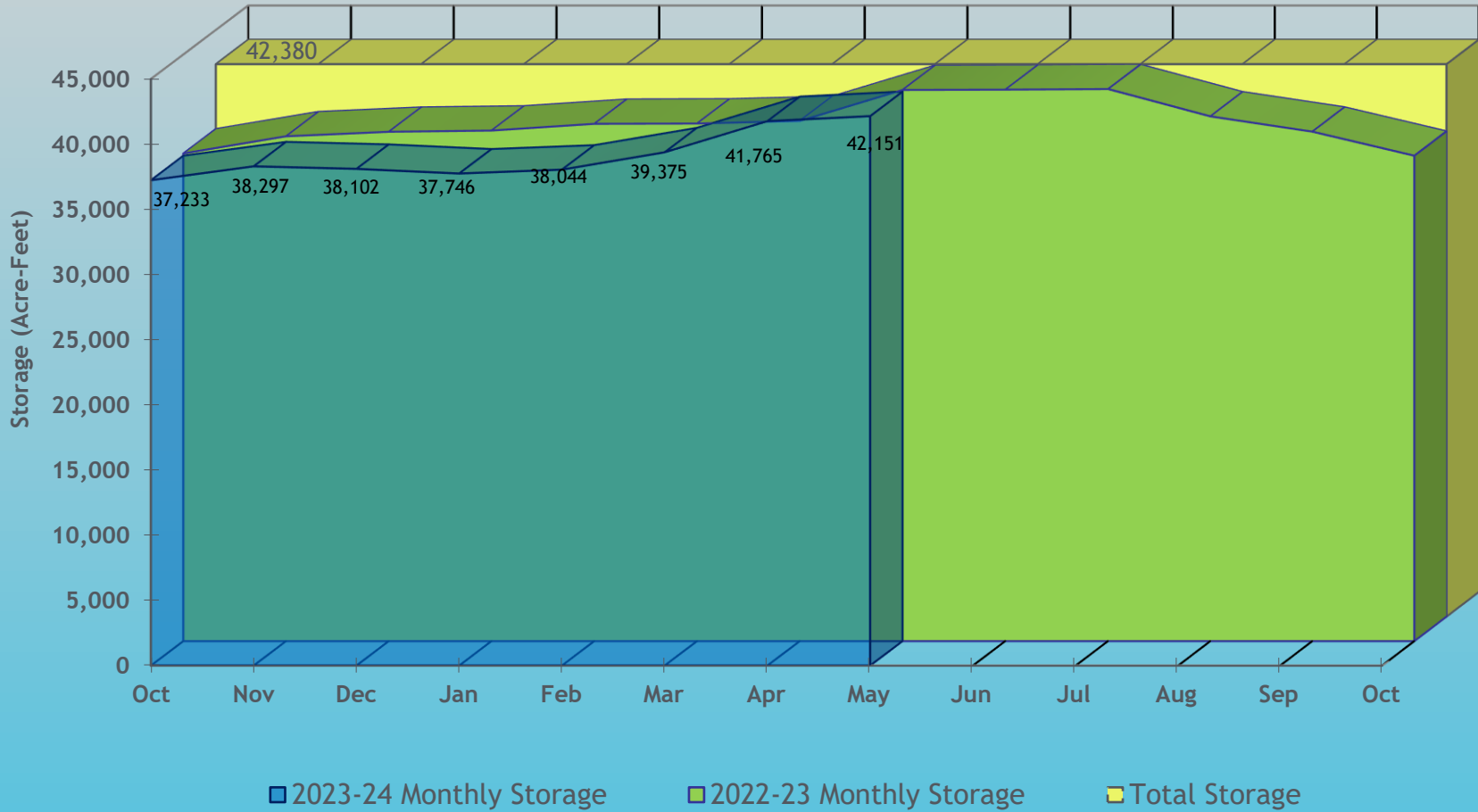
Milton Reservoir (District 2 - Agricultural)



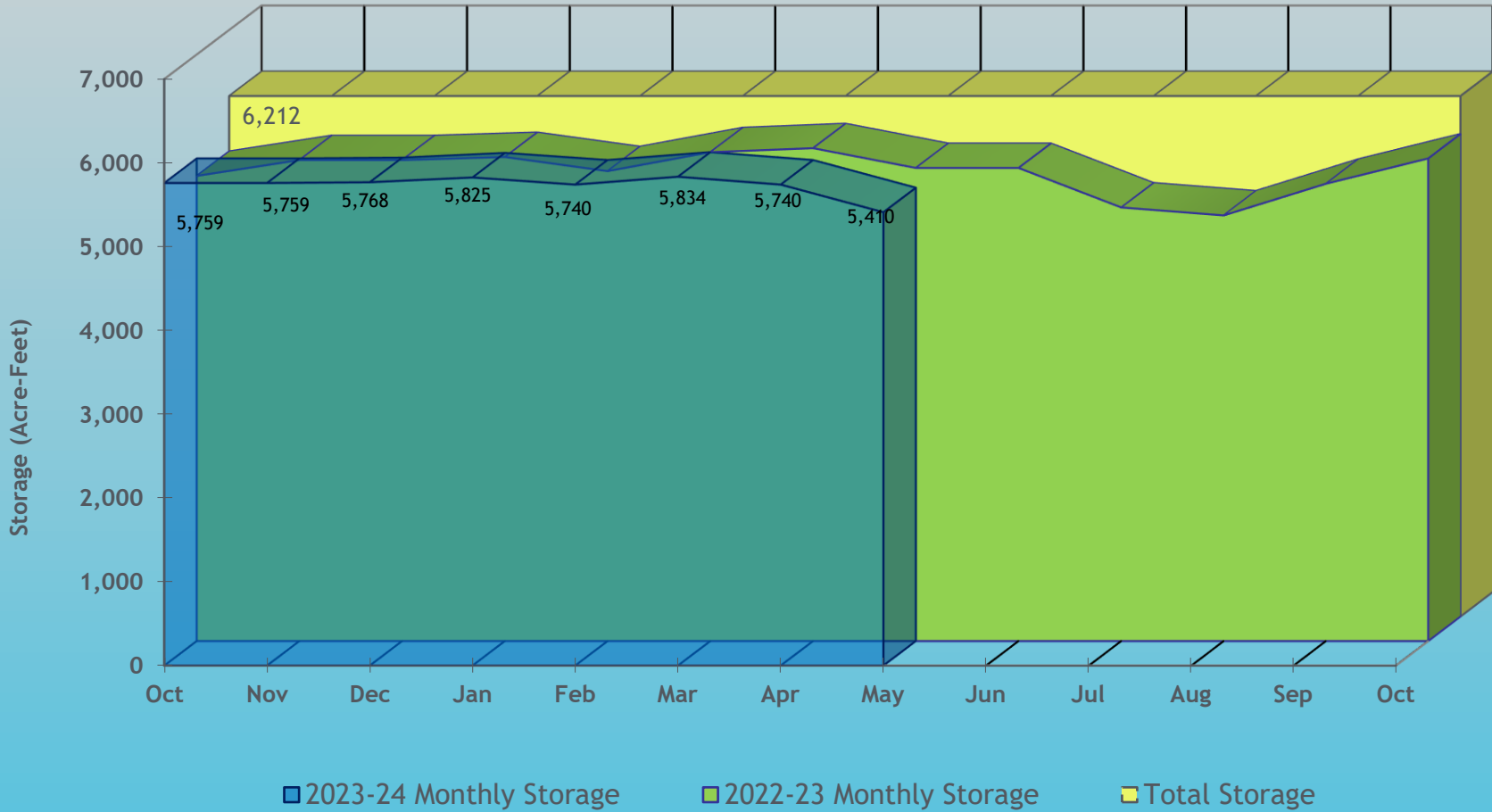
Union Reservoir (District 5, St. Vrain Creek - Agricultural)



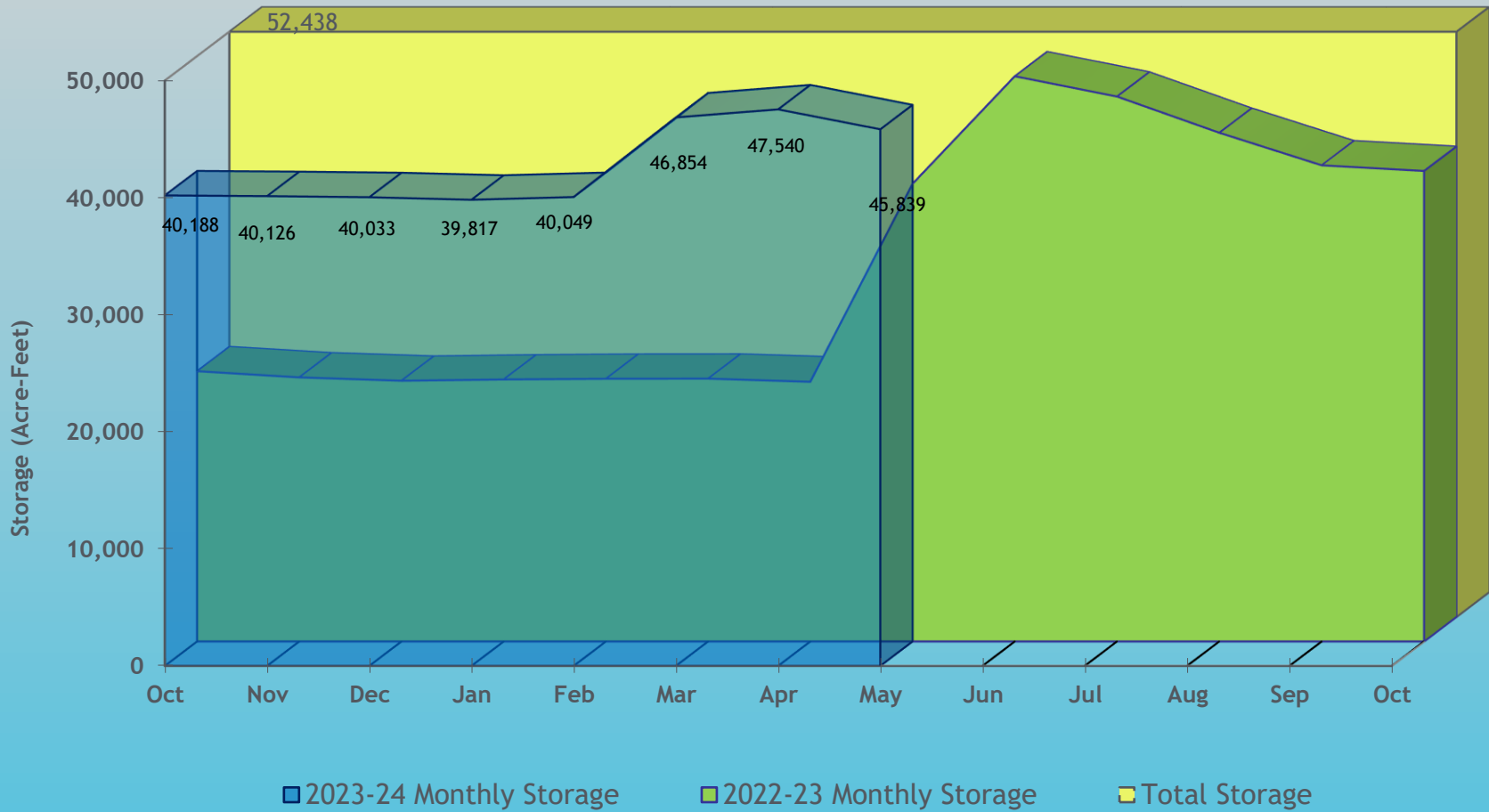
Standley Lake (Agricultural)



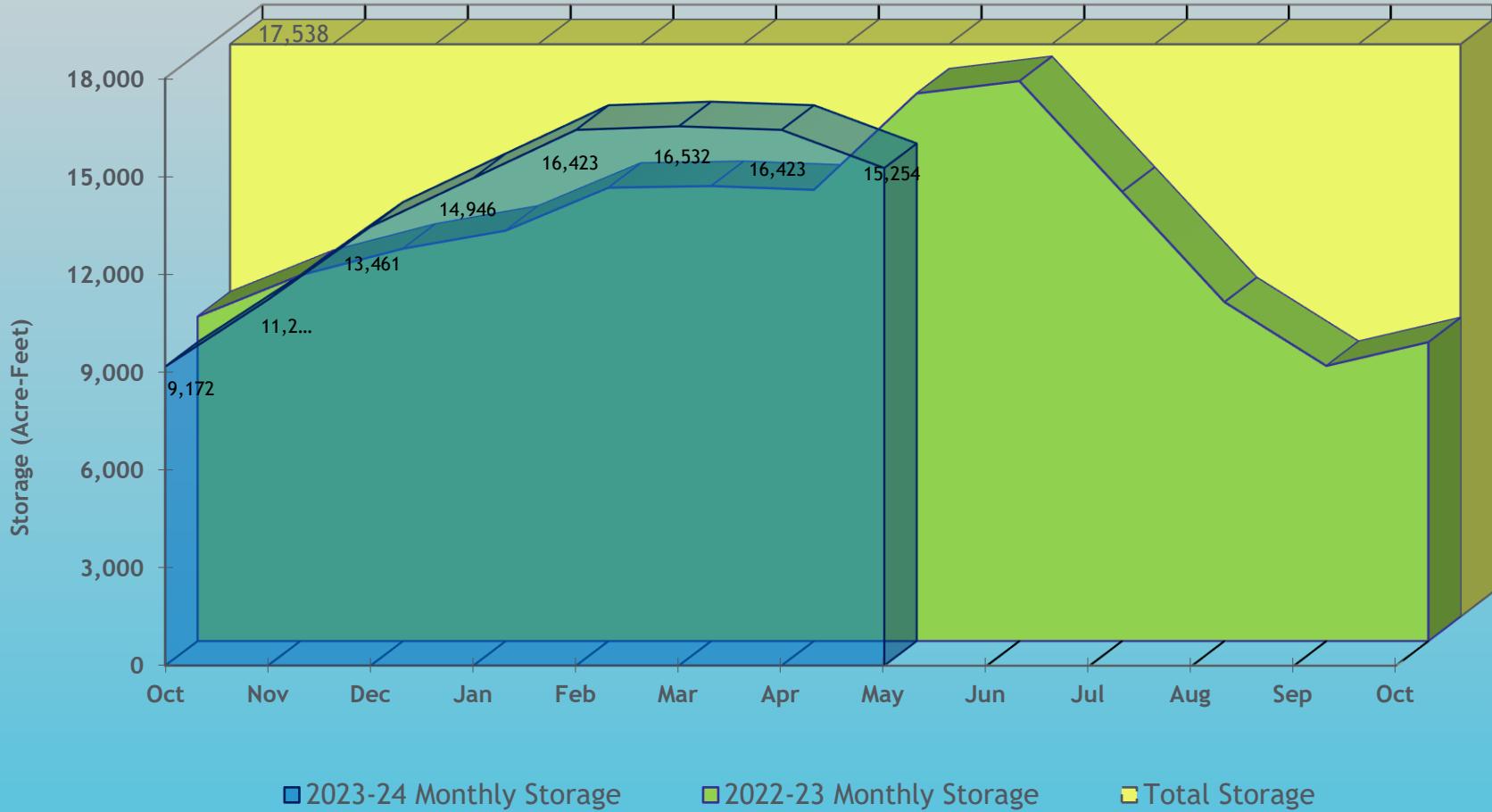
Lower Latham Reservoir (District 2 - Agricultural)



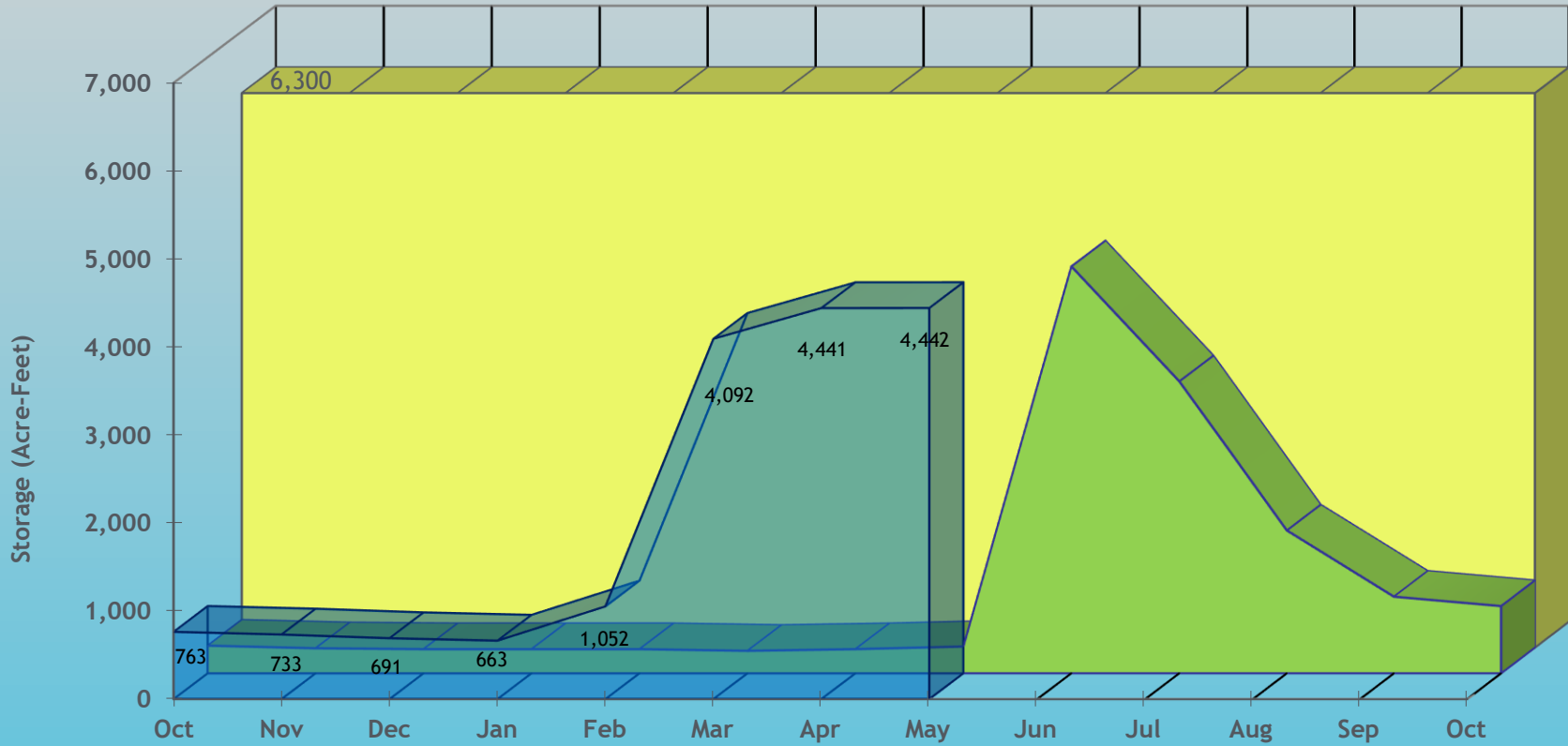
Boyd Lake (District 4, Big Thompson River - Agricultural)



Windsor Reservoir (District 3, Poudre River - Agricultural)



Prospect Reservoir (District 1 - Agricultural)

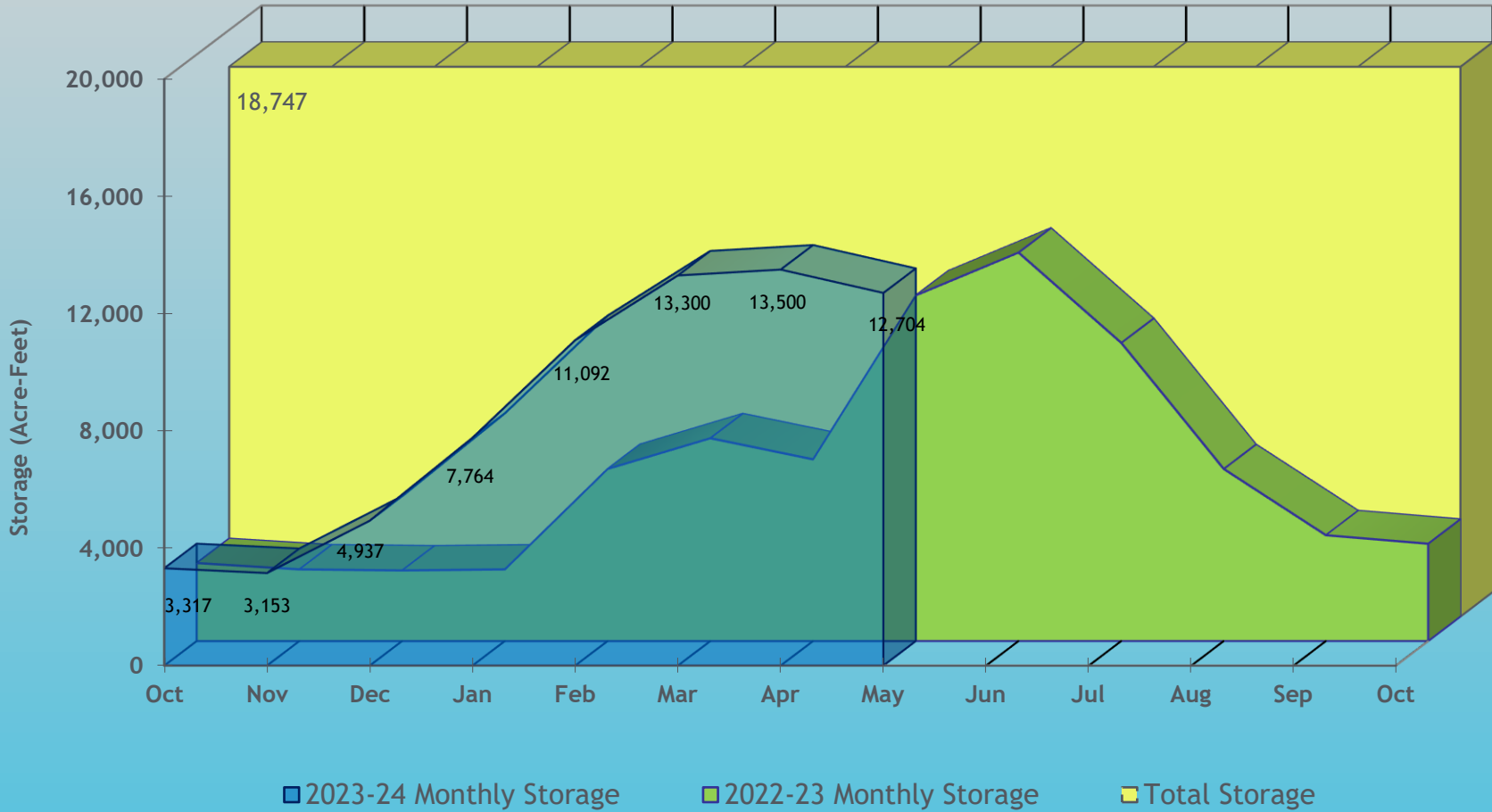


■ 2023-24 Monthly Storage

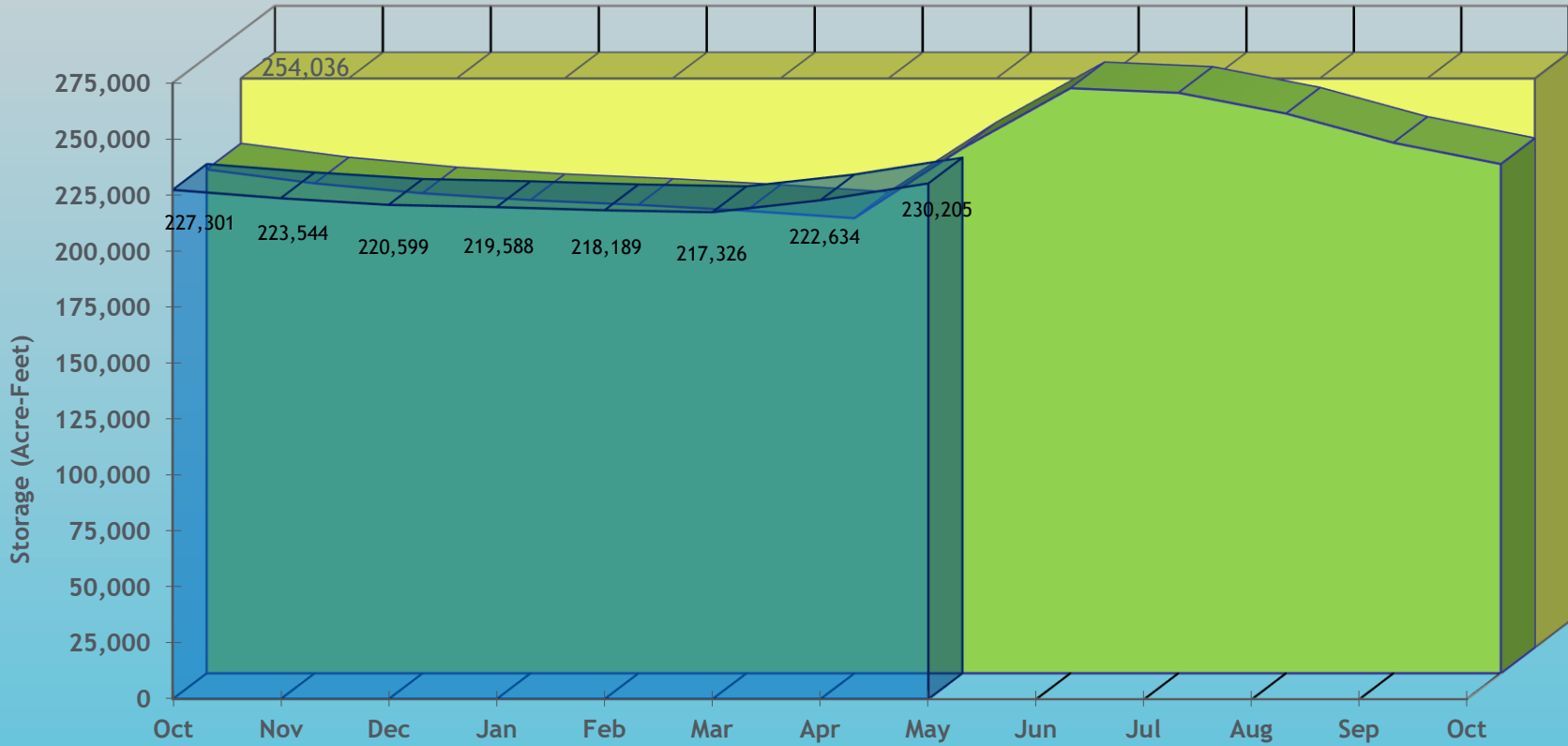
■ 2022-23 Monthly Storage

■ Total Storage

Horse Creek Reservoir (District 1 - Agricultural)



Dillon Reservoir (District 1 - Municipal)

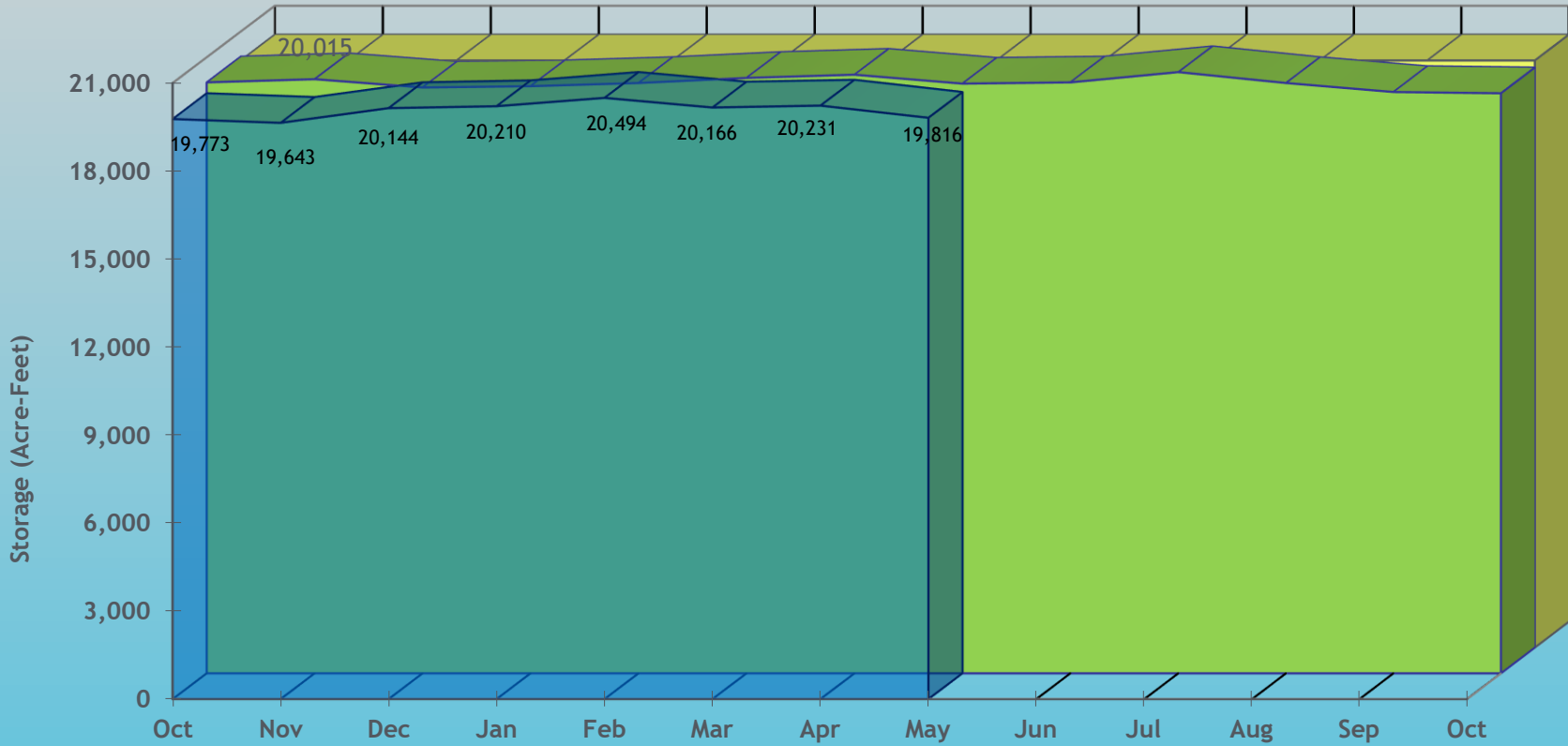


■ 2023-24 Monthly Storage

■ 2022-23 Monthly Storage

■ Total Storage

Antero Reservoir (District 23 - Municipal)

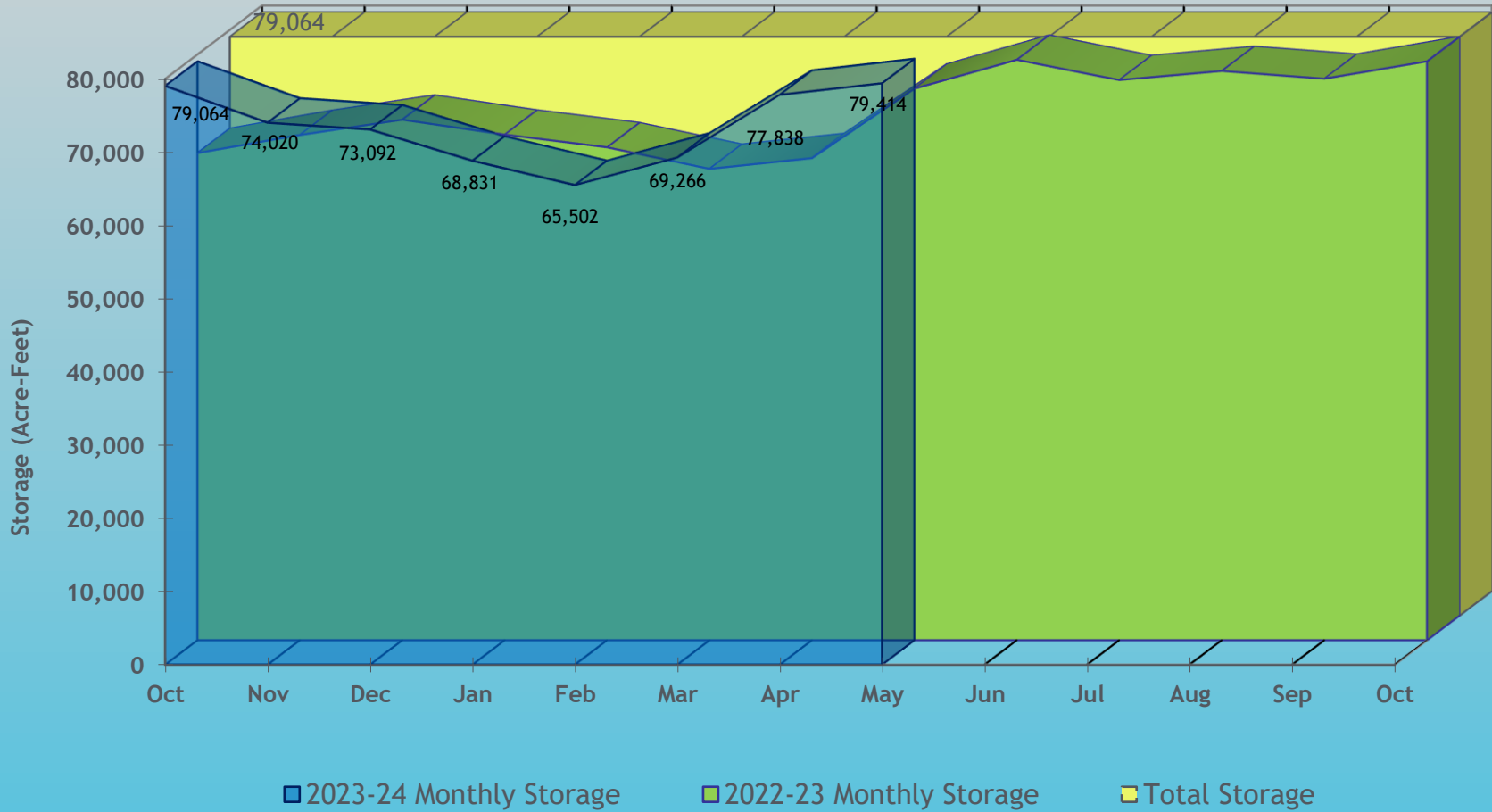


■ 2023-24 Monthly Storage

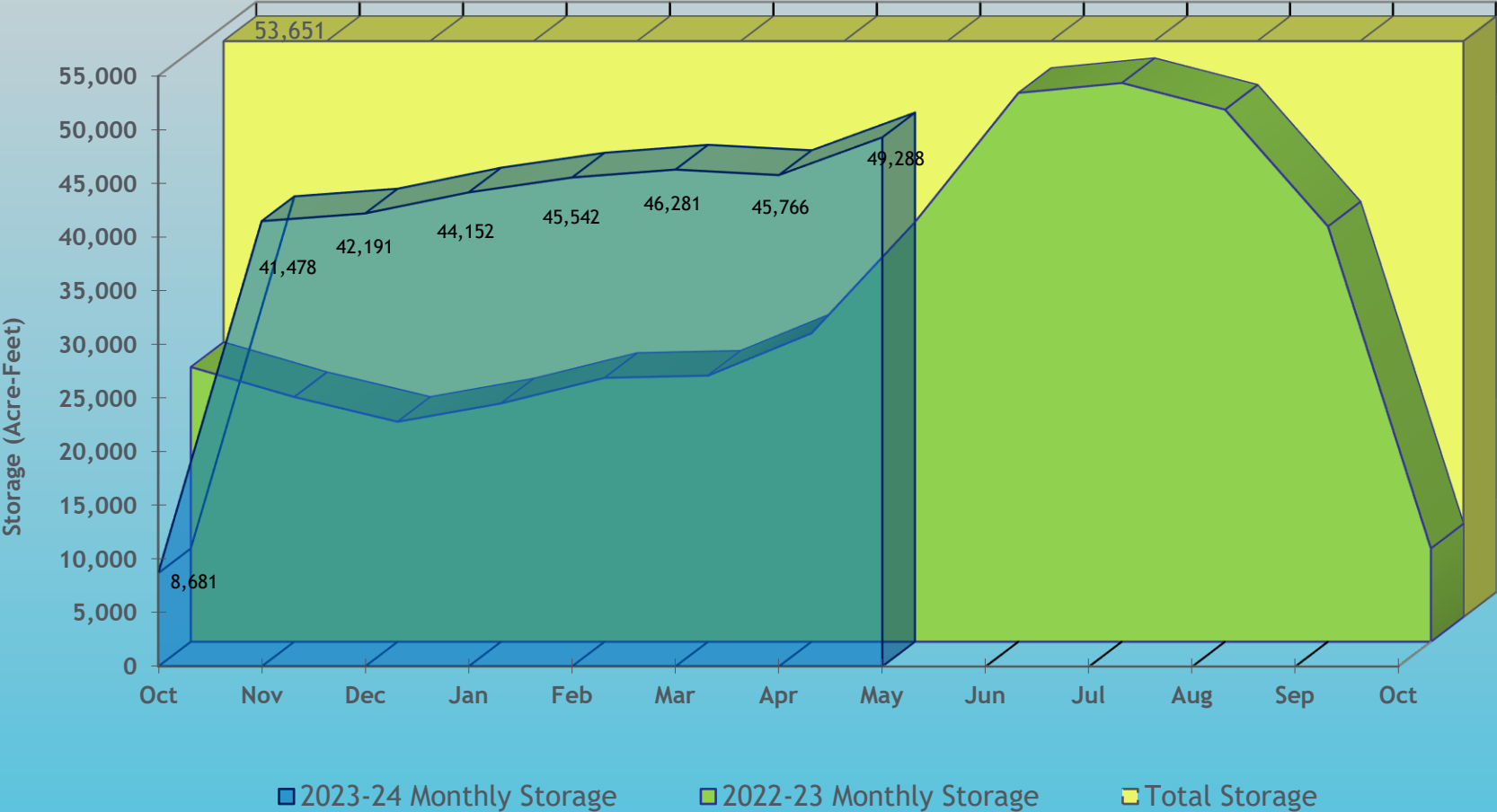
■ 2022-23 Monthly Storage

■ Total Storage

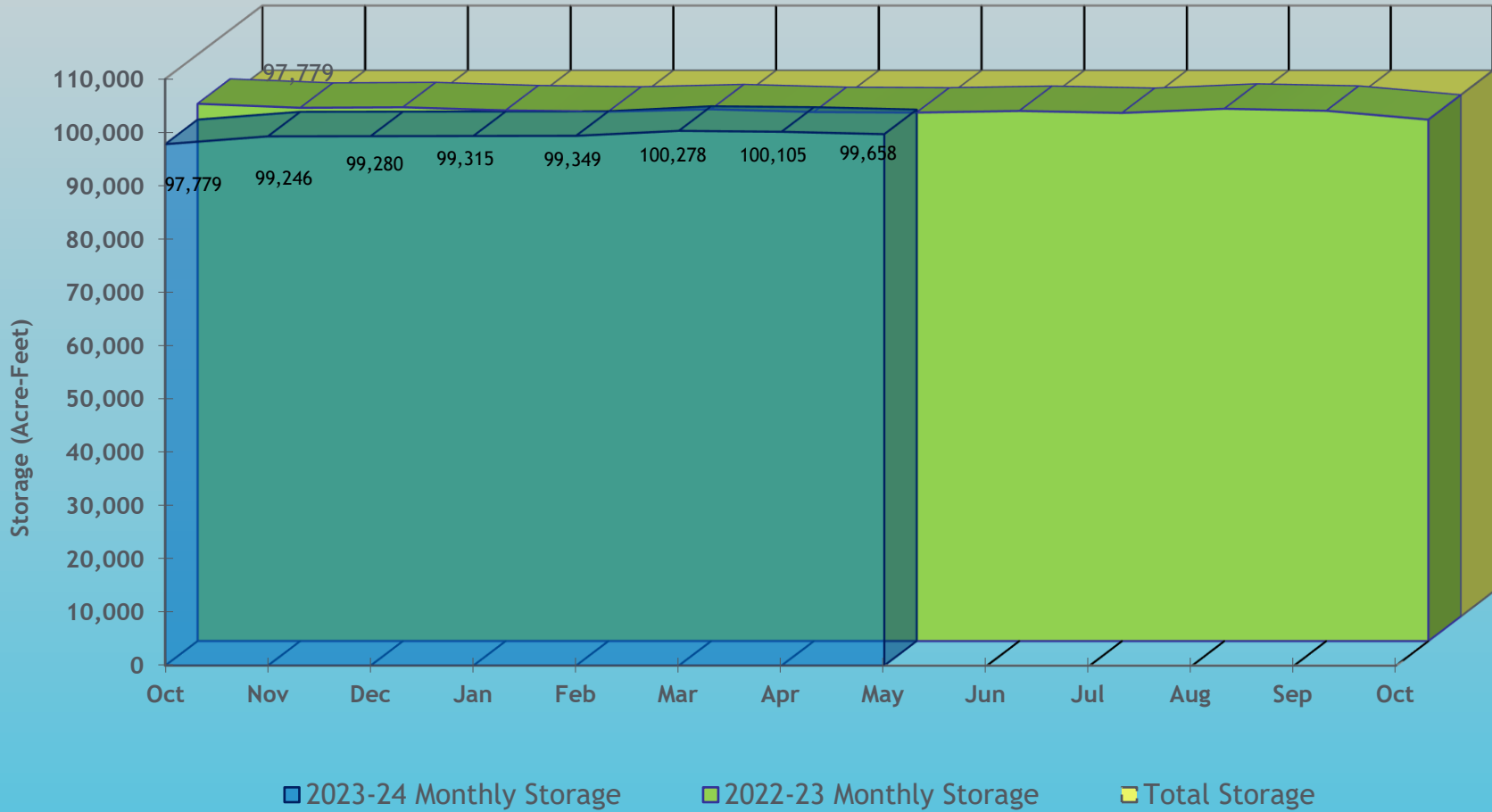
Cheesman Reservoir (District 80 - Municipal)



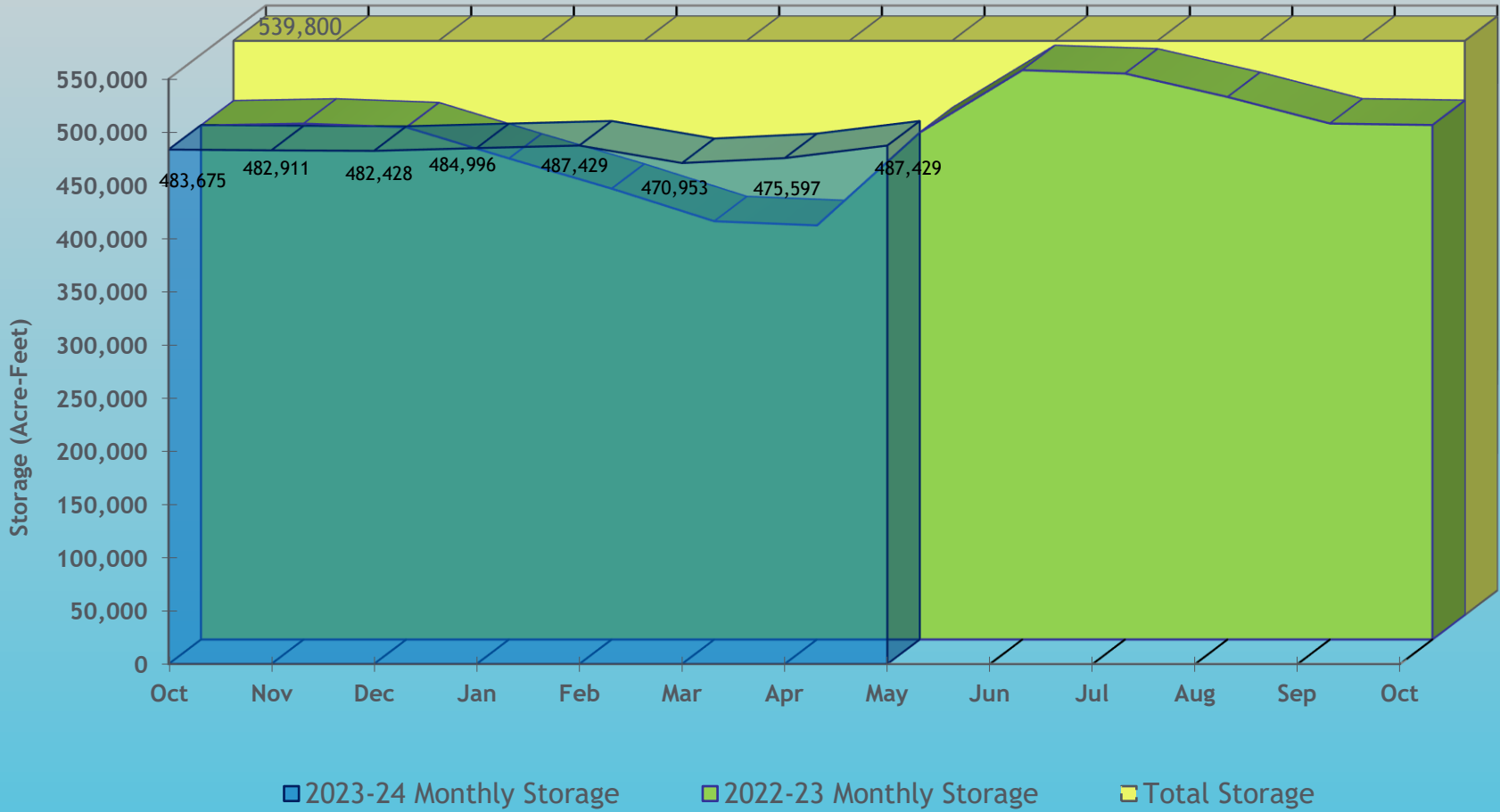
Spinney Mountain Reservoir (District 23 - Municipal)



Eleven Mile Reservoir (District 23 - Municipal)



Lake Granby



■ 2023-24 Monthly Storage

■ 2022-23 Monthly Storage

■ Total Storage

