



COLORADO
Division of Water Resources
Department of Natural Resources

South Platte Summary April 2024

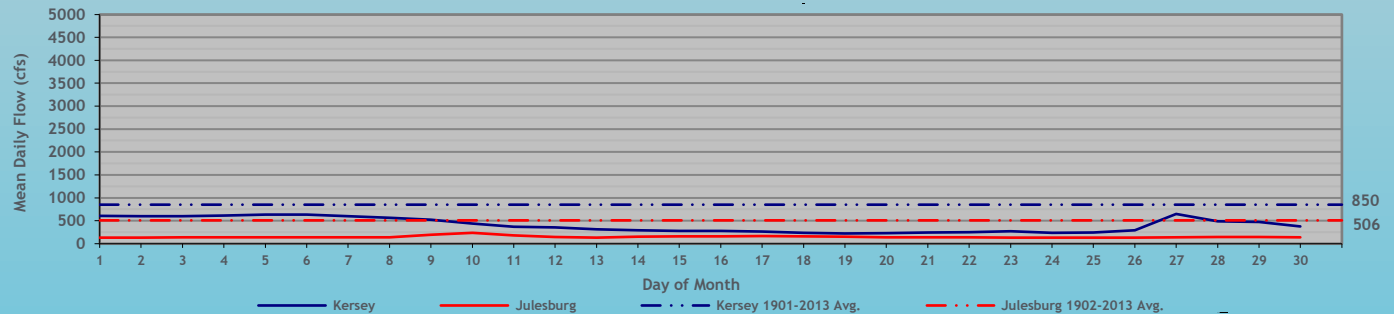
Compiled by Lee Cunning, P.E.

COLORADO DIVISION OF WATER RESOURCES, DIVISION 1

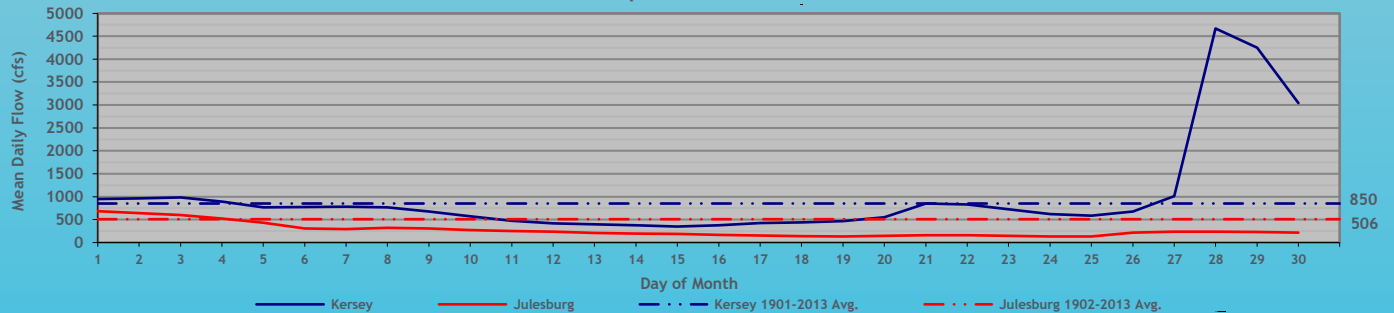
MONTH OF April 2024

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	22,022	20,051	64	-1,971	-9%	88%	85%	0
N STERLING	73,730	73,725	73,725	64	0	0%	100%	97%	0
PREWITT	28,500	29,298	32,164	64	2,866	10%	100%	99%	3,664
JACKSON	27,257	27,192	26,805	1	-387	-1%	98%	98%	0
EMPIRE	37,700	33,817	33,817	1	0	0%	90%	85%	0
RIVERSIDE	63,113	62,393	63,303	1	910	1%	100%	96%	190
BARR LAKE	32,152	32,027	32,027	2	0	0%	100%	85%	0
CHEESMAN	79,064	69,266	77,838	80	8,572	12%	98%	83%	0
ELEVEN MILE	97,779	100,278	100,105	23	-173	0%	100%	100%	2,326
SPINNEY	53,651	46,281	45,766	23	-515	-1%	85%	54%	0
ANTERO	20,015	20,166	20,231	23	65	0%	100%	100%	216

KERSEY and JULESBURG
April 2023



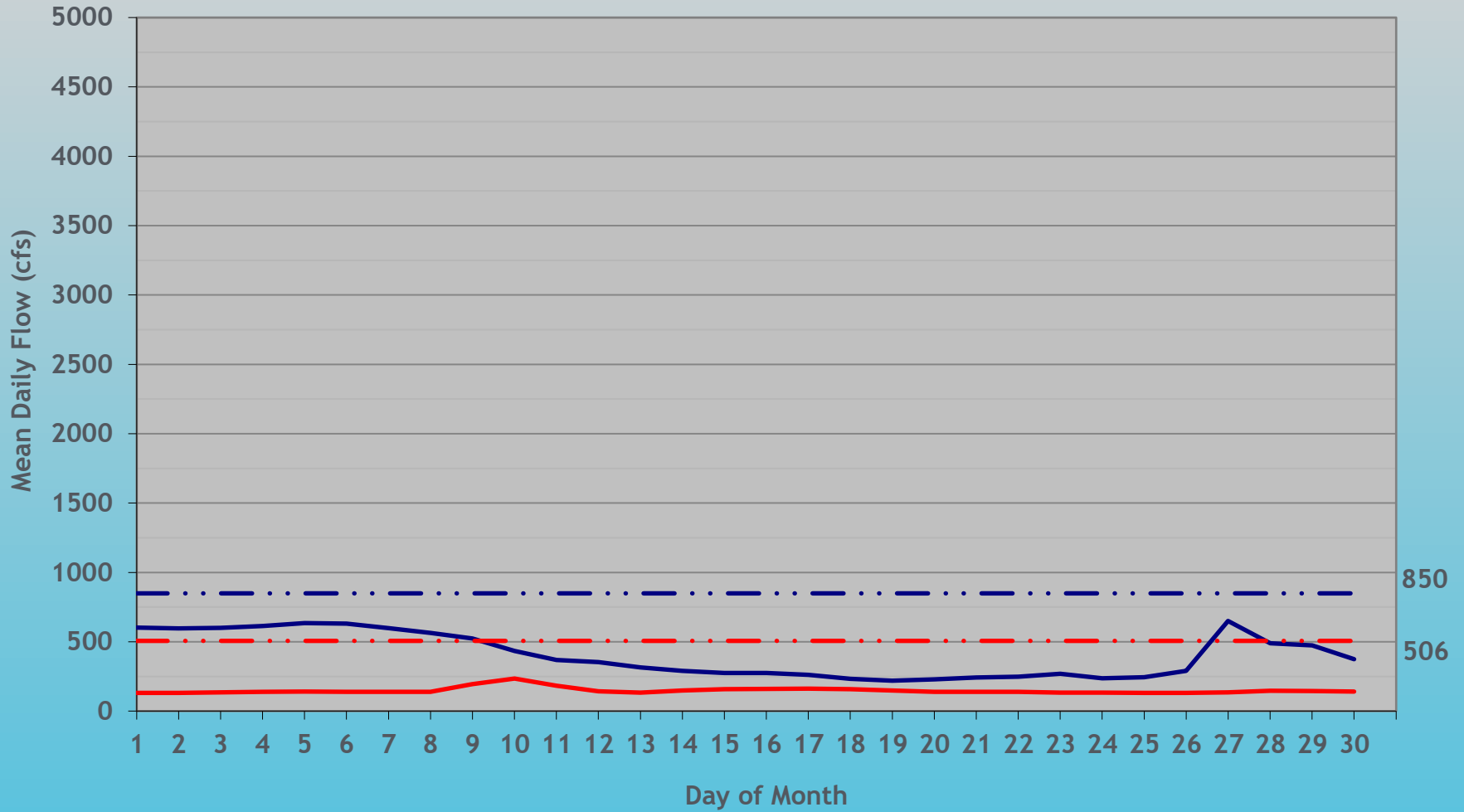
KERSEY and JULESBURG
April 2024



RIVER GAGES	MEAN DAILY FLOW (CFS)
KERSEY	988
JULESBURG	267
THIS MONTH LAST YEAR	
KERSEY	405
JULESBURG	148
MEAN FOR PERIOD OF RECORD*	
KERSEY	850
JULESBURG	506
*Kersey 1901 - 2016	
*Julesburg 1902 - 2016	

KERSEY and JULESBURG

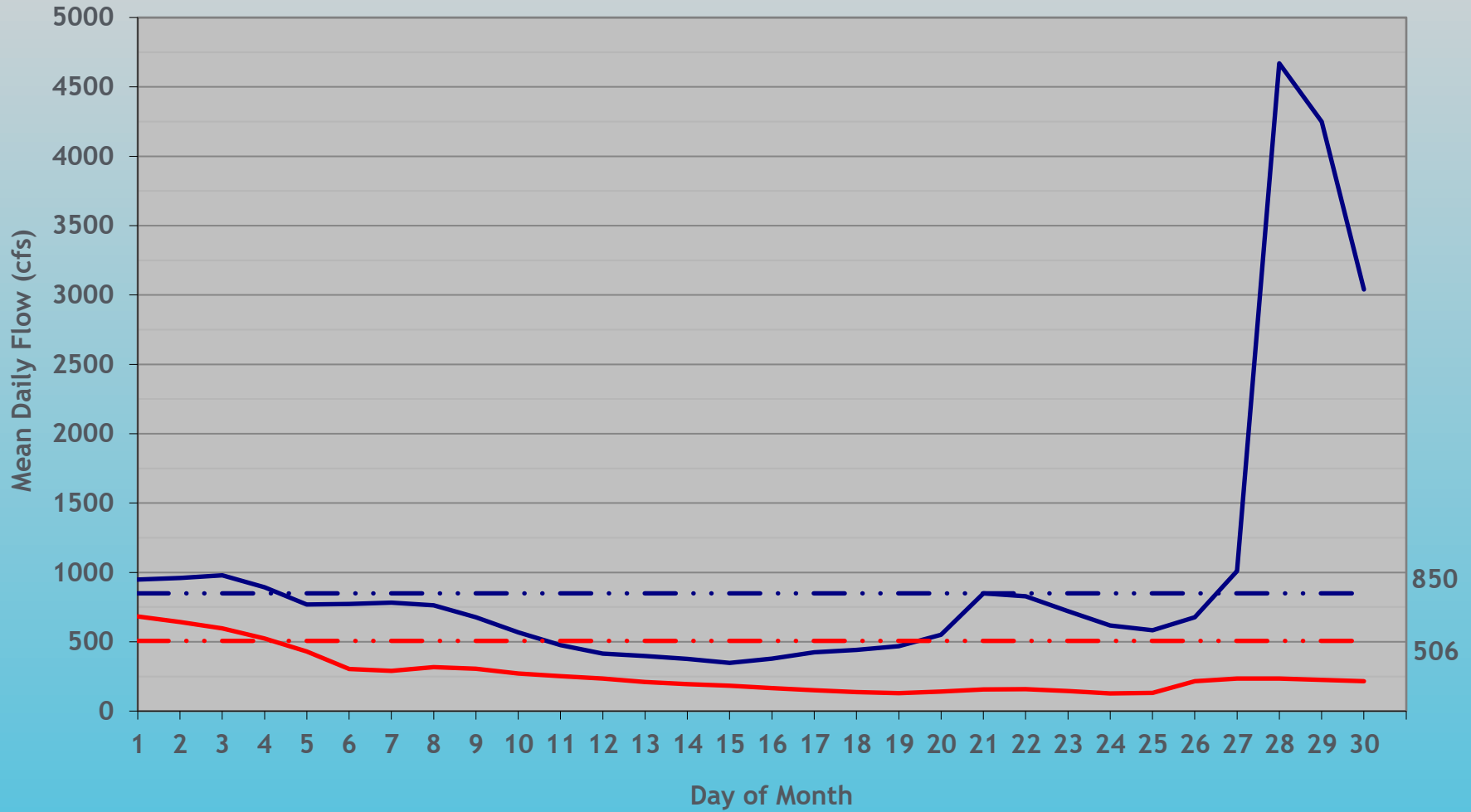
April 2023



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

KERSEY and JULESBURG

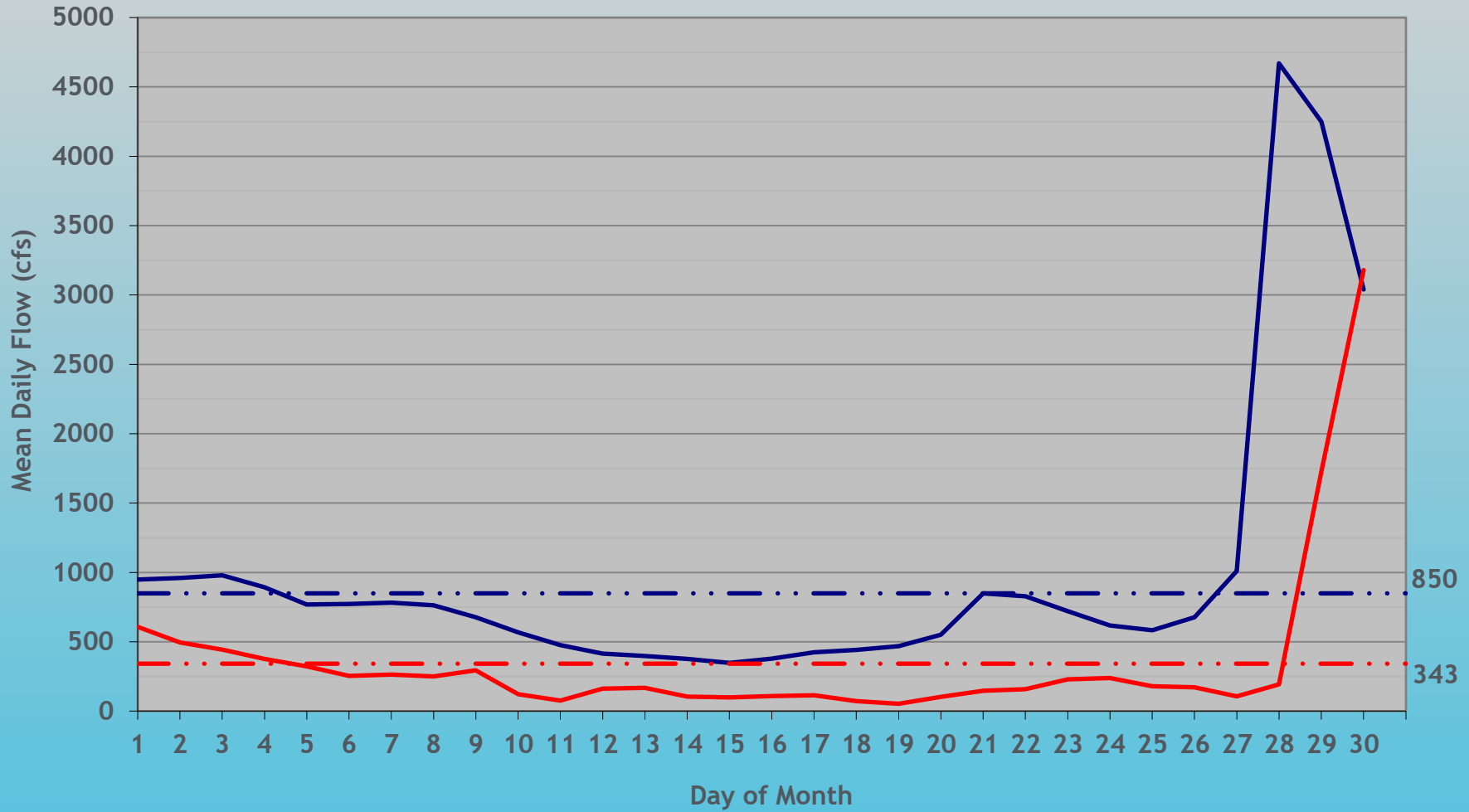
April 2024



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

KERSEY and BALZAC

April 2024



— Kersey

— Balzac

— • Kersey 1901-2013 Avg.

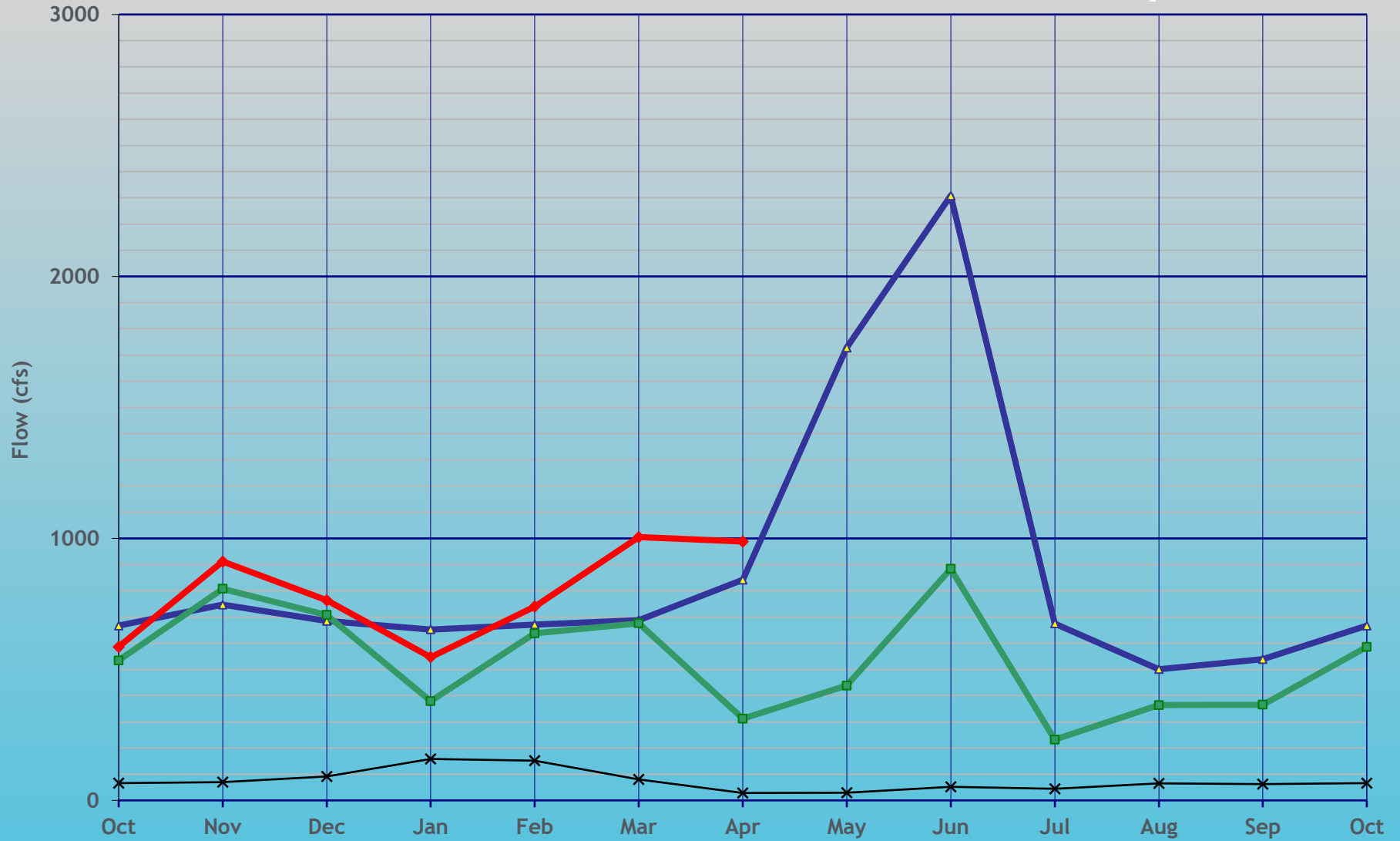
— • Balzac 1917-2013 Avg.

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		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

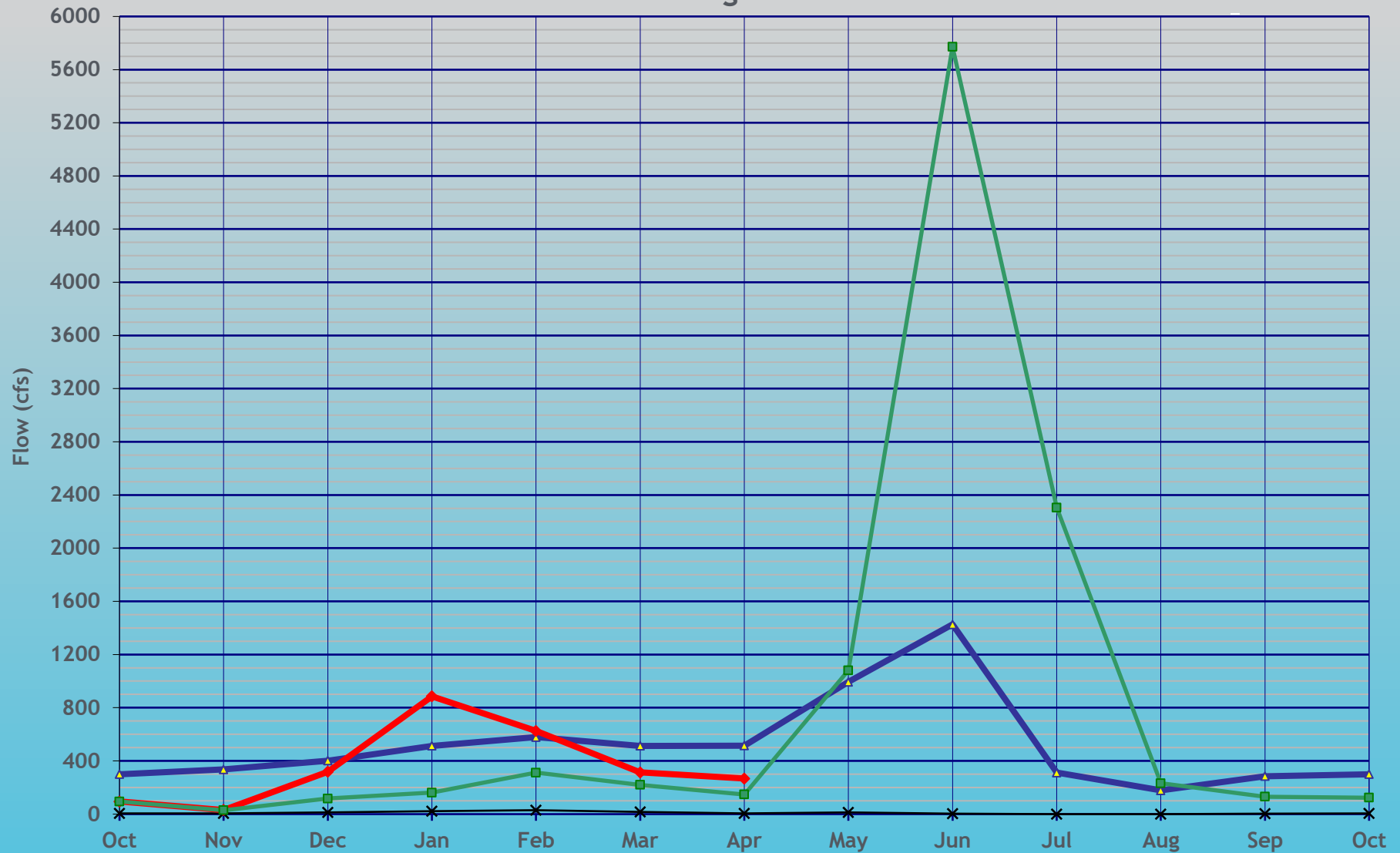


—▲— Historic* Mean Flow —×— Historic* Min Flow —◆— 2023-2024 Mean Flow —■— 2022-2023 Mean Flow

*1901-2021

South Platte River at Julesburg

Irrigation Year



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

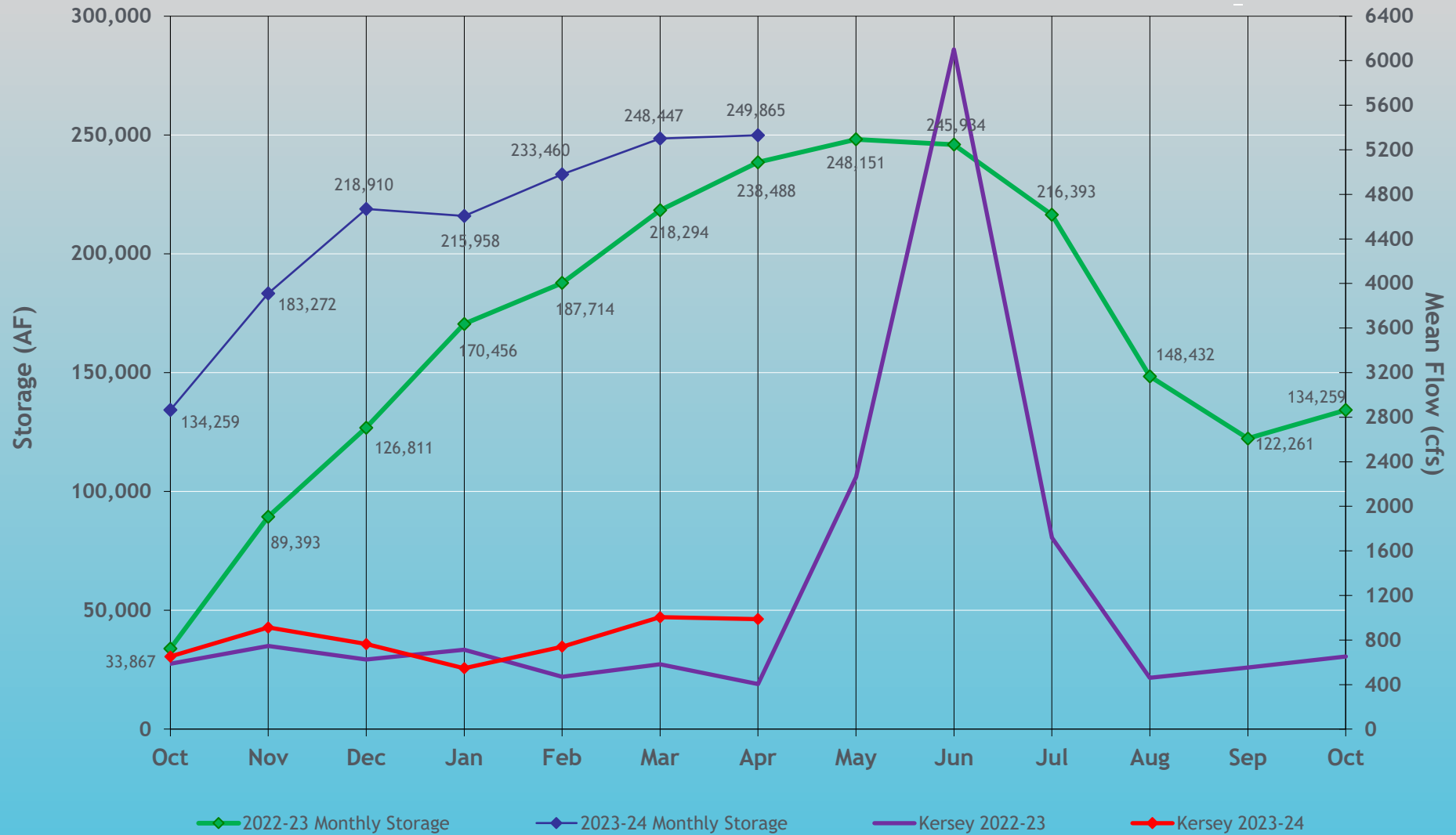
*1901-2021



Next three slides show Reservoir
Storage above and below Kersey

Reservoir Storage below Kersey

Selected Reservoirs*

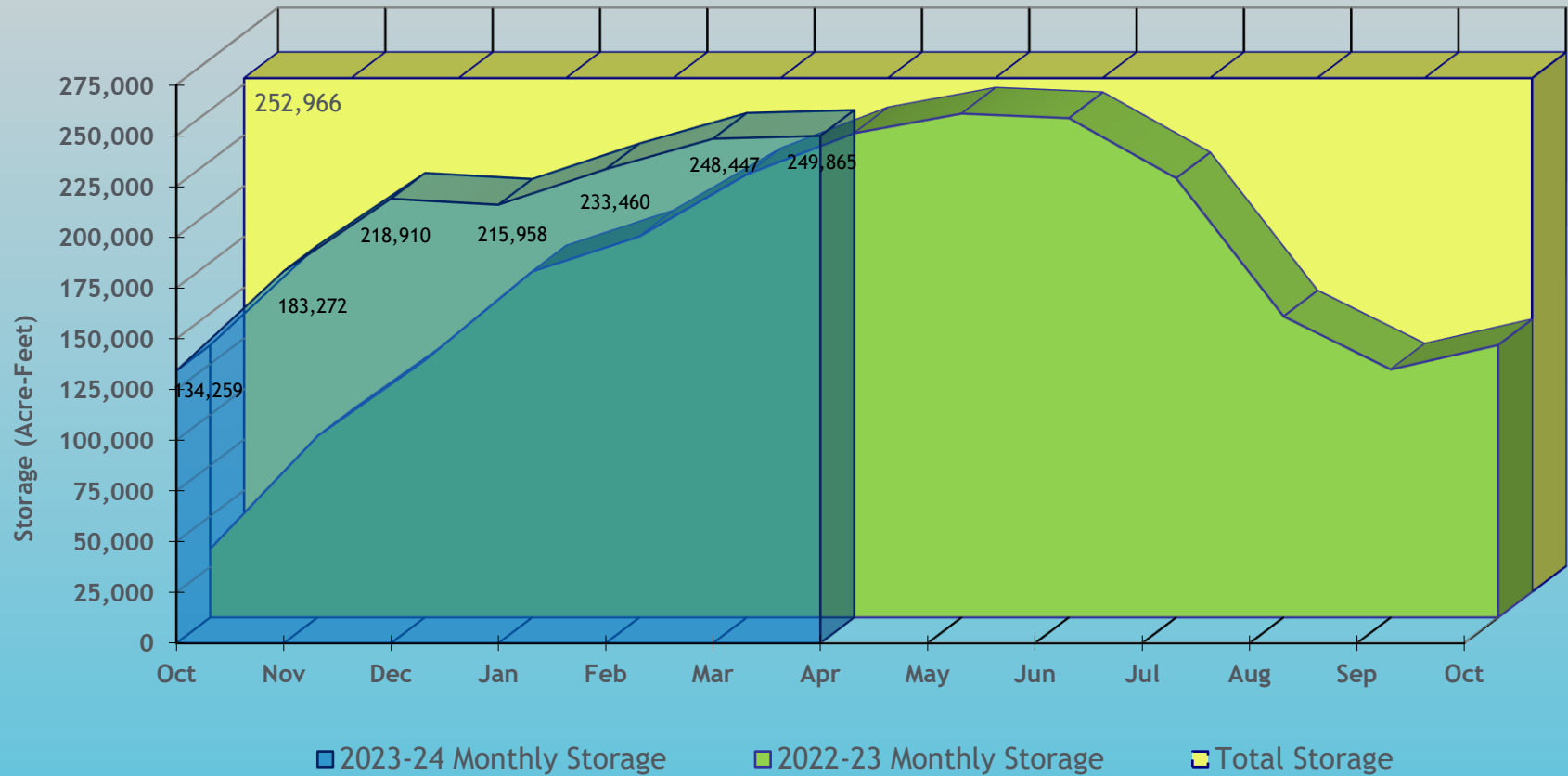


*Empire, Riverside, Jackson, Prewitt, North Sterling, & Julesburg



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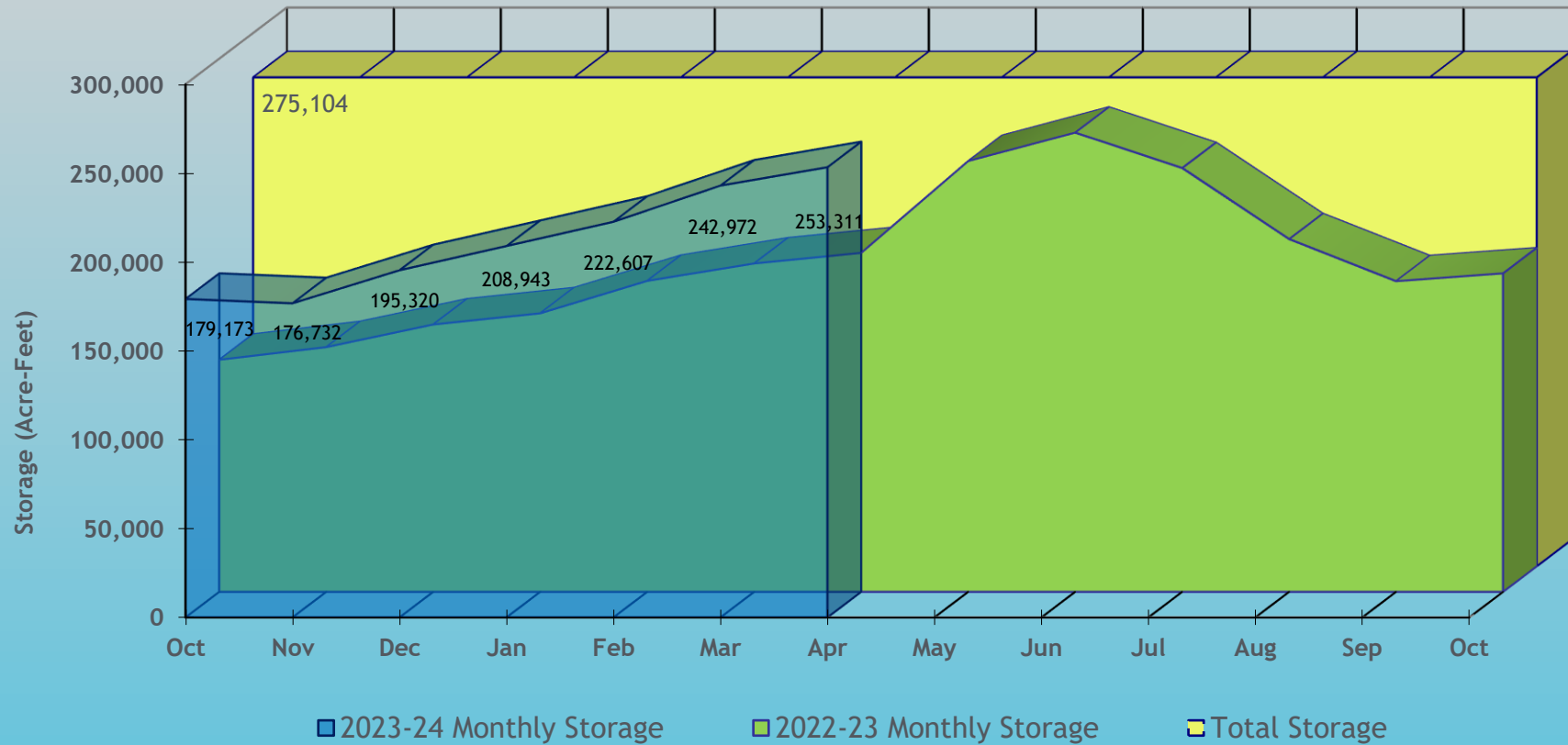
South Platte Reservoir Storage below Kersey*



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



South Platte Reservoir Storage above Kersey*

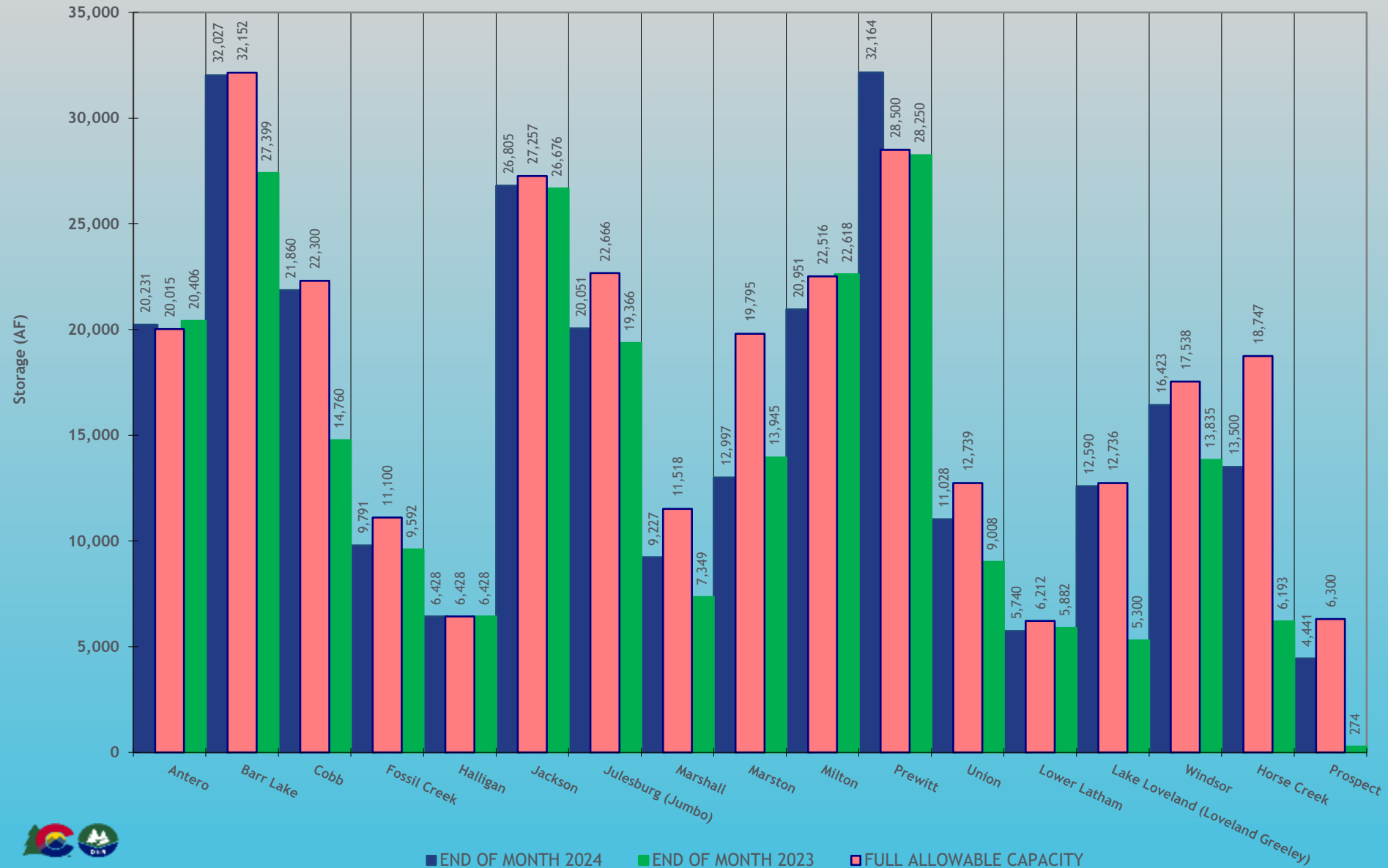


*Barr, Cobb, Fossil Crk, Halligan, Marshall, Milton, Union, Standley, Lower Latham, Boyd, Loveland, Windsor, Horse Crk, & Prospect

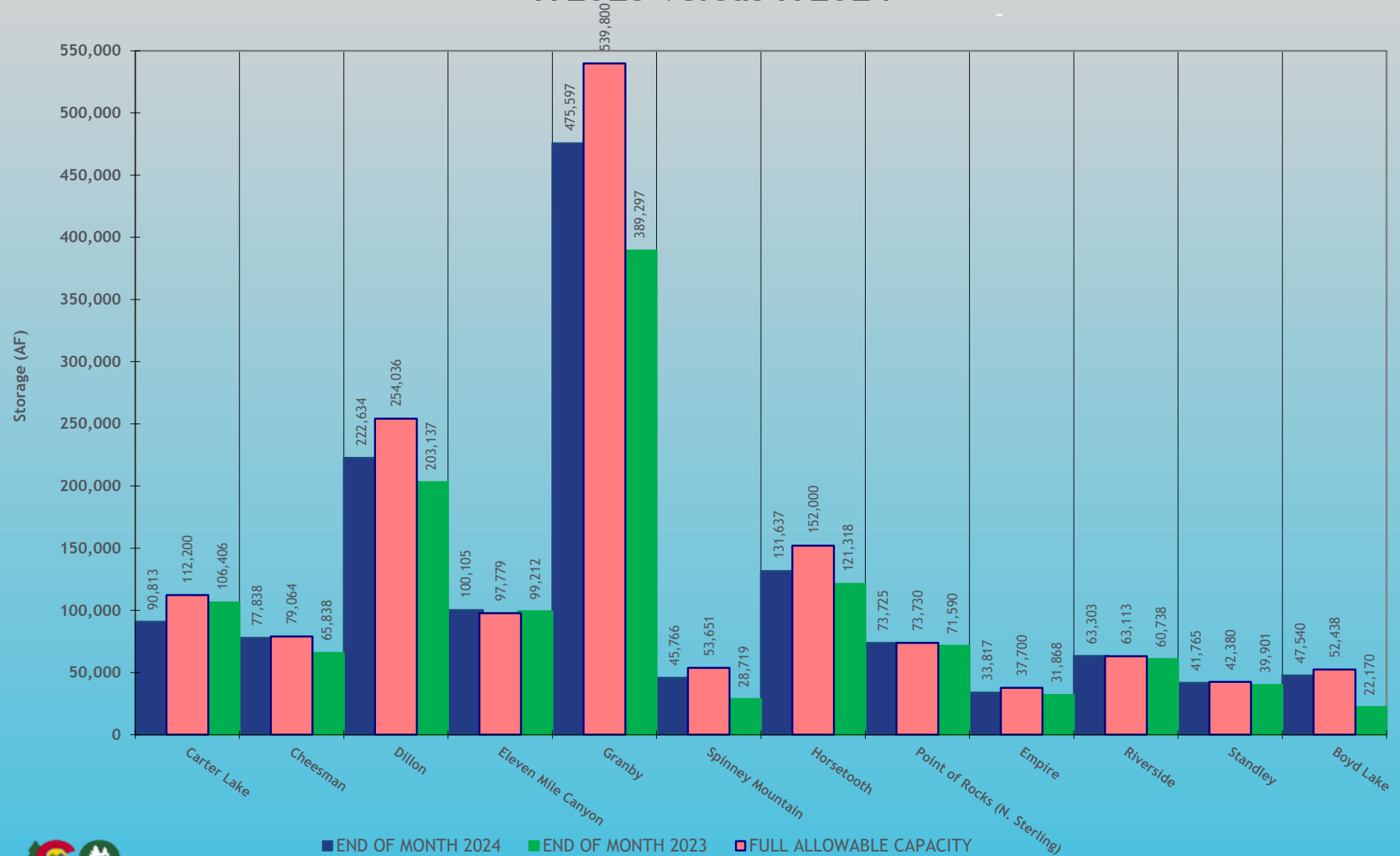




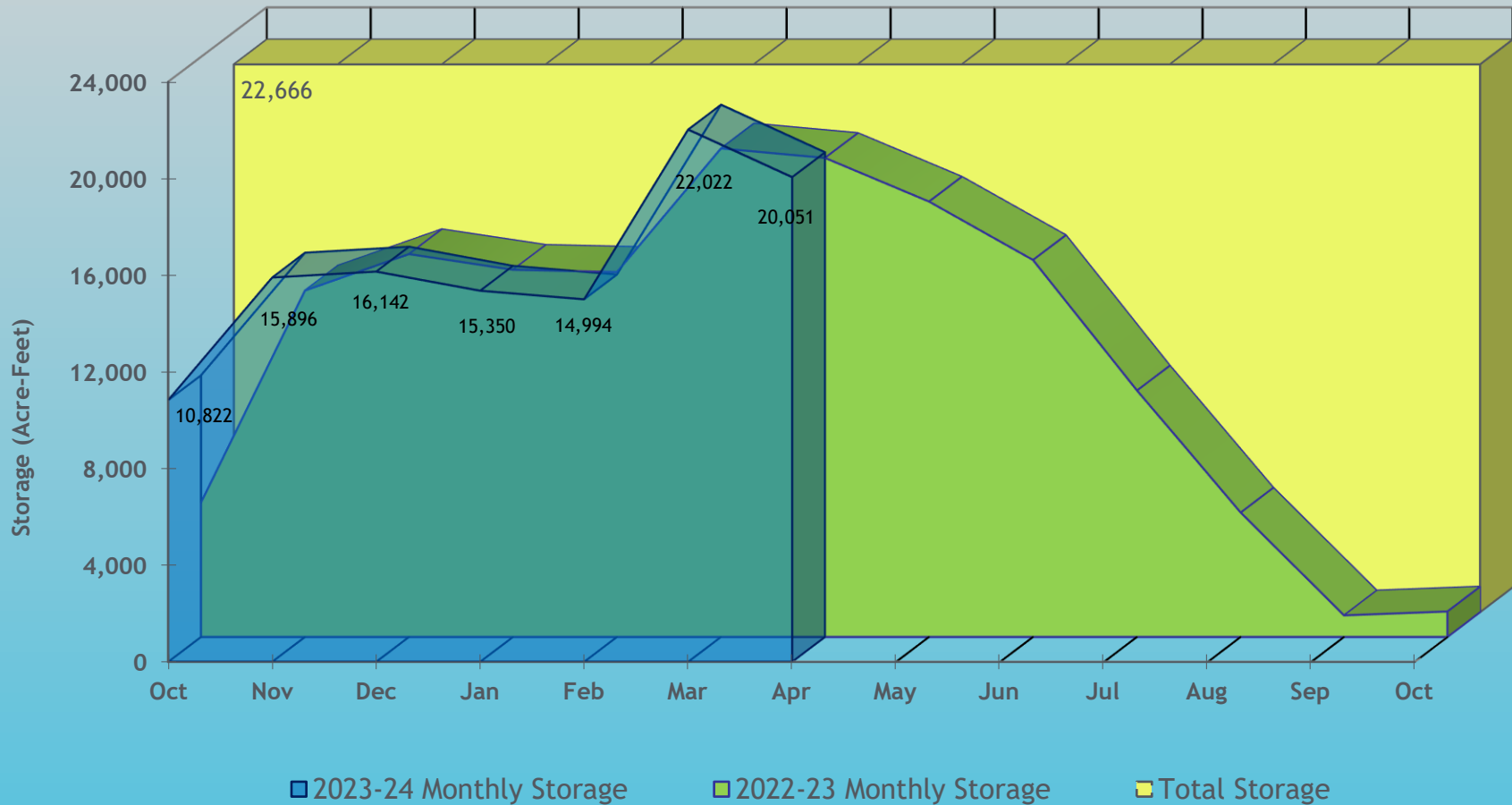
April Reservoir Change in Storage IY2023 versus IY2024



April Reservoir Change in Storage IY2023 versus IY2024



Julesburg Reservoir (District 64 - Agricultural)

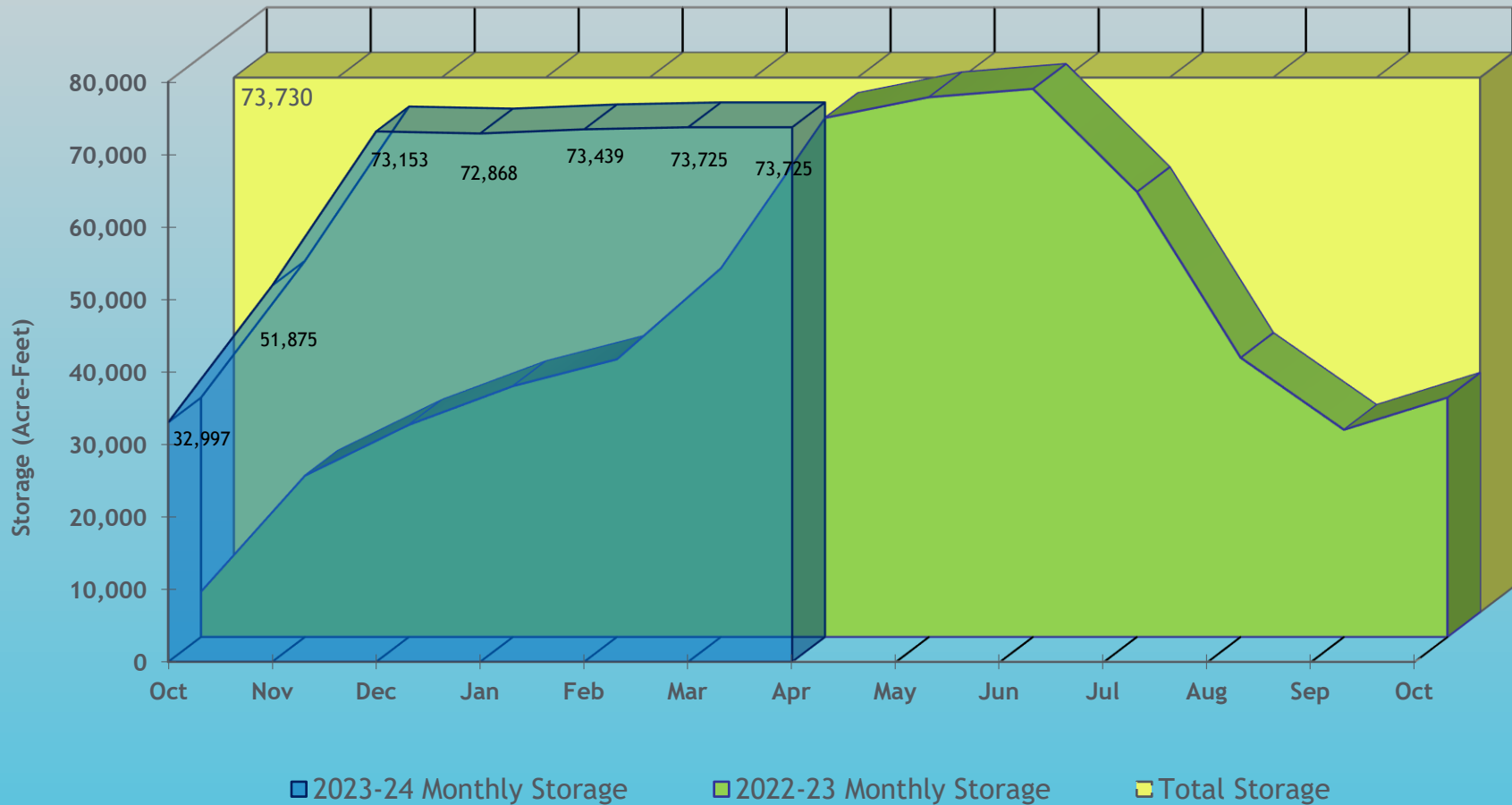


2023-24 Monthly Storage

2022-23 Monthly Storage

Total Storage

North Sterling Reservoir (District 64 - Agricultural)

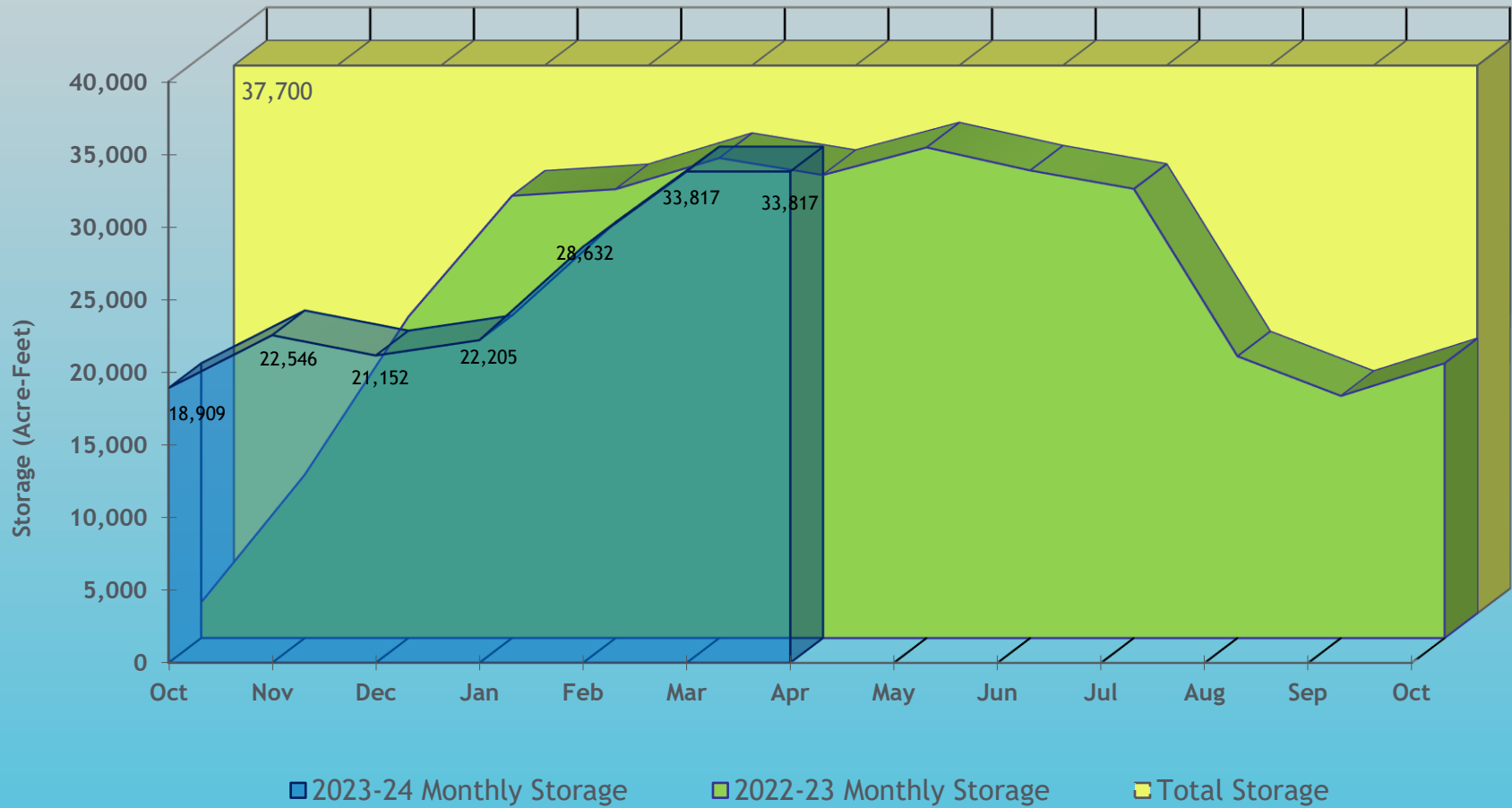


2023-24 Monthly Storage

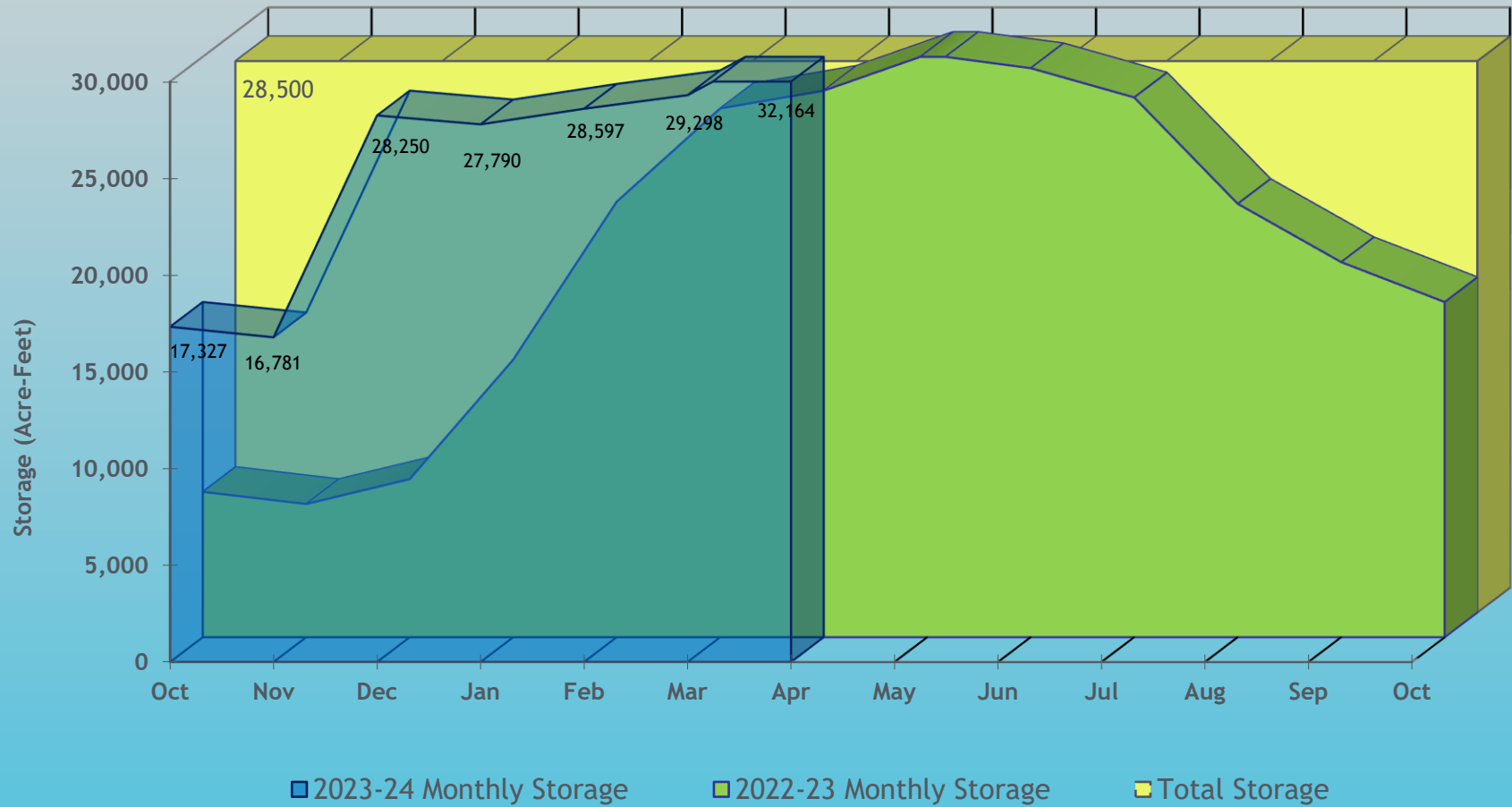
2022-23 Monthly Storage

Total Storage

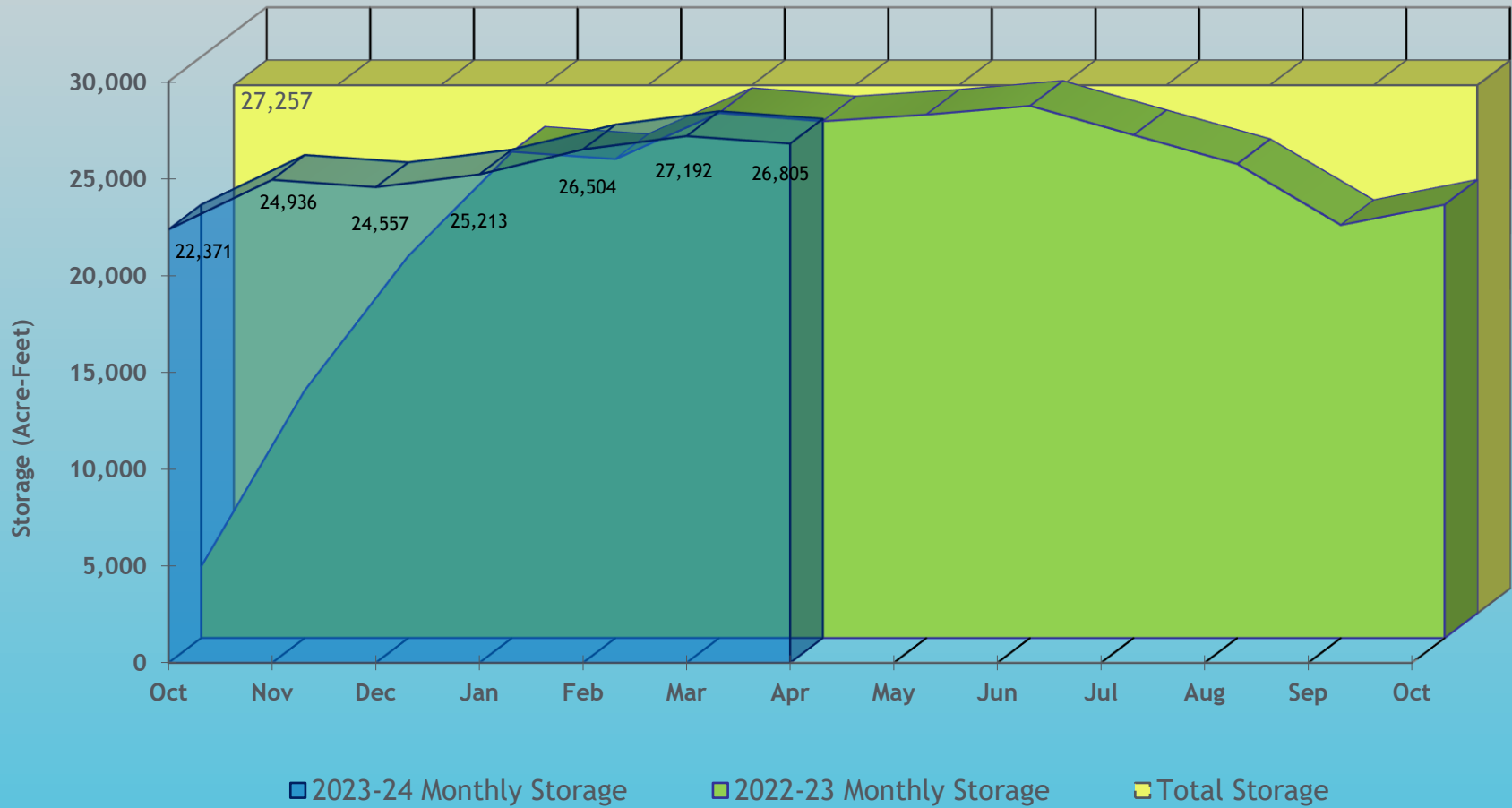
Empire Reservoir (District 1 - Agricultural)



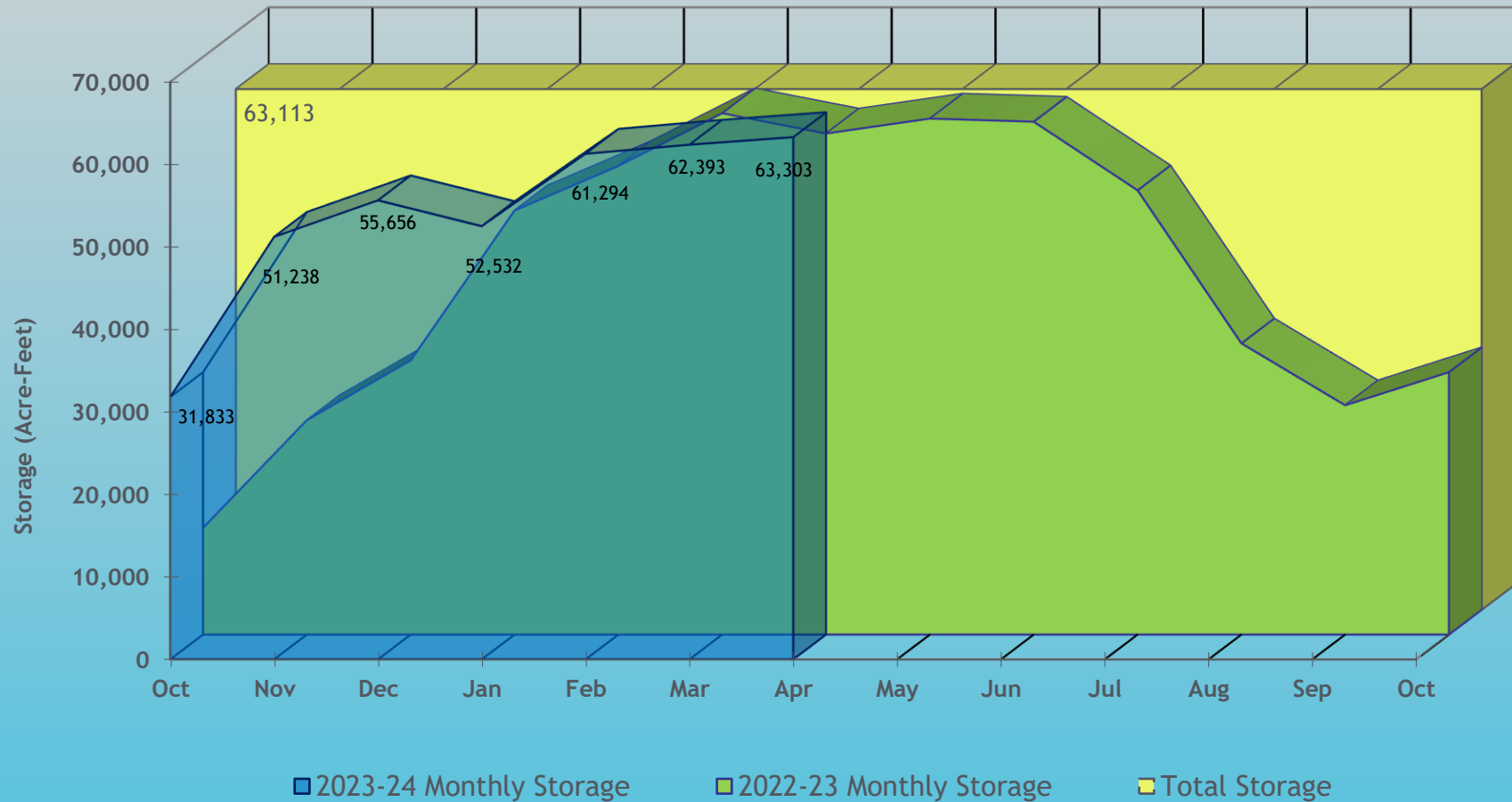
Prewitt Reservoir (District 64 - Agricultural)



Jackson Reservoir (District 1 - Agricultural)



Riverside Reservoir (District 1 - Agricultural)

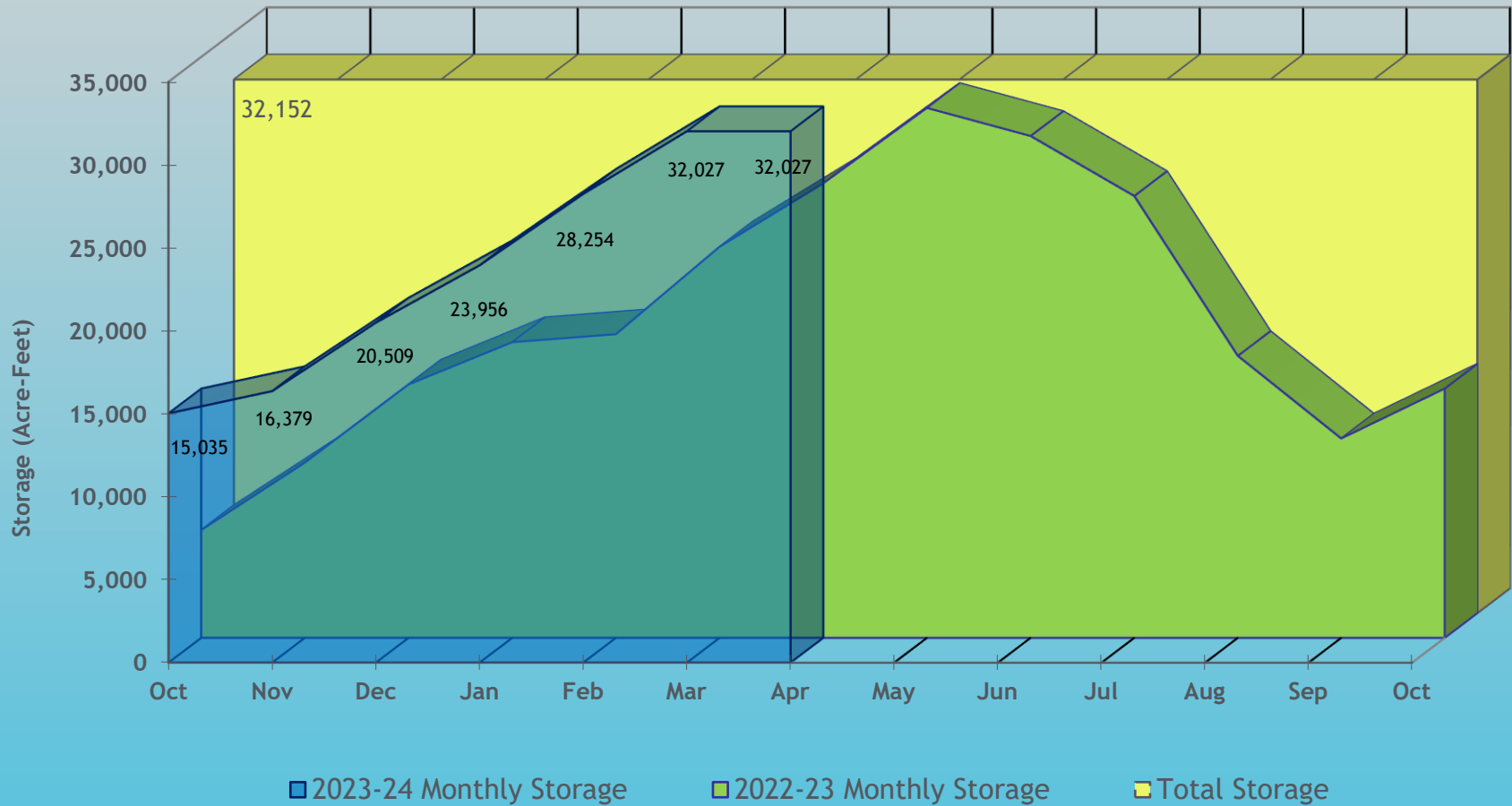


2023-24 Monthly Storage

2022-23 Monthly Storage

Total Storage

Barr Reservoir (District 2 - Agricultural)

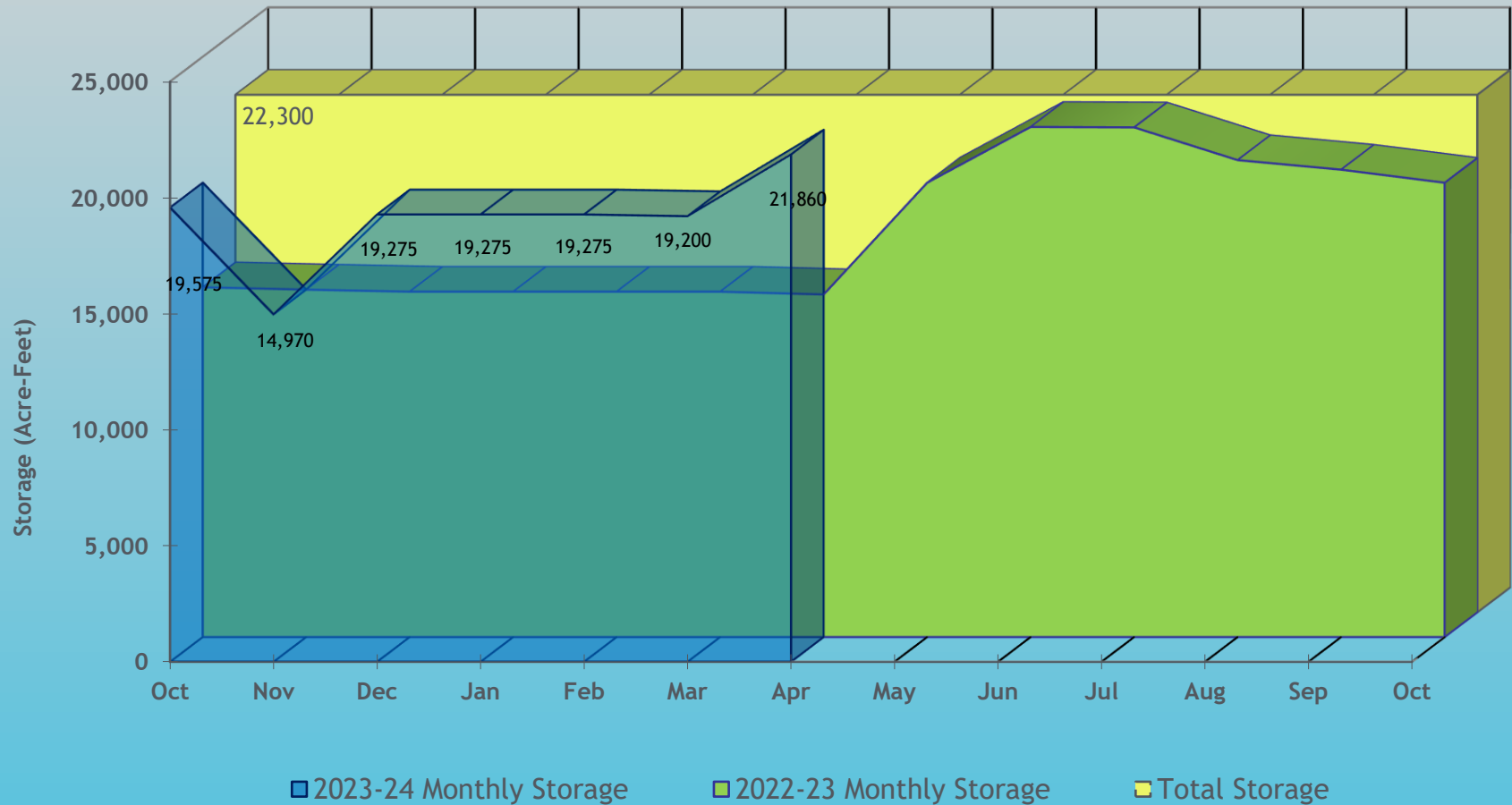


2023-24 Monthly Storage

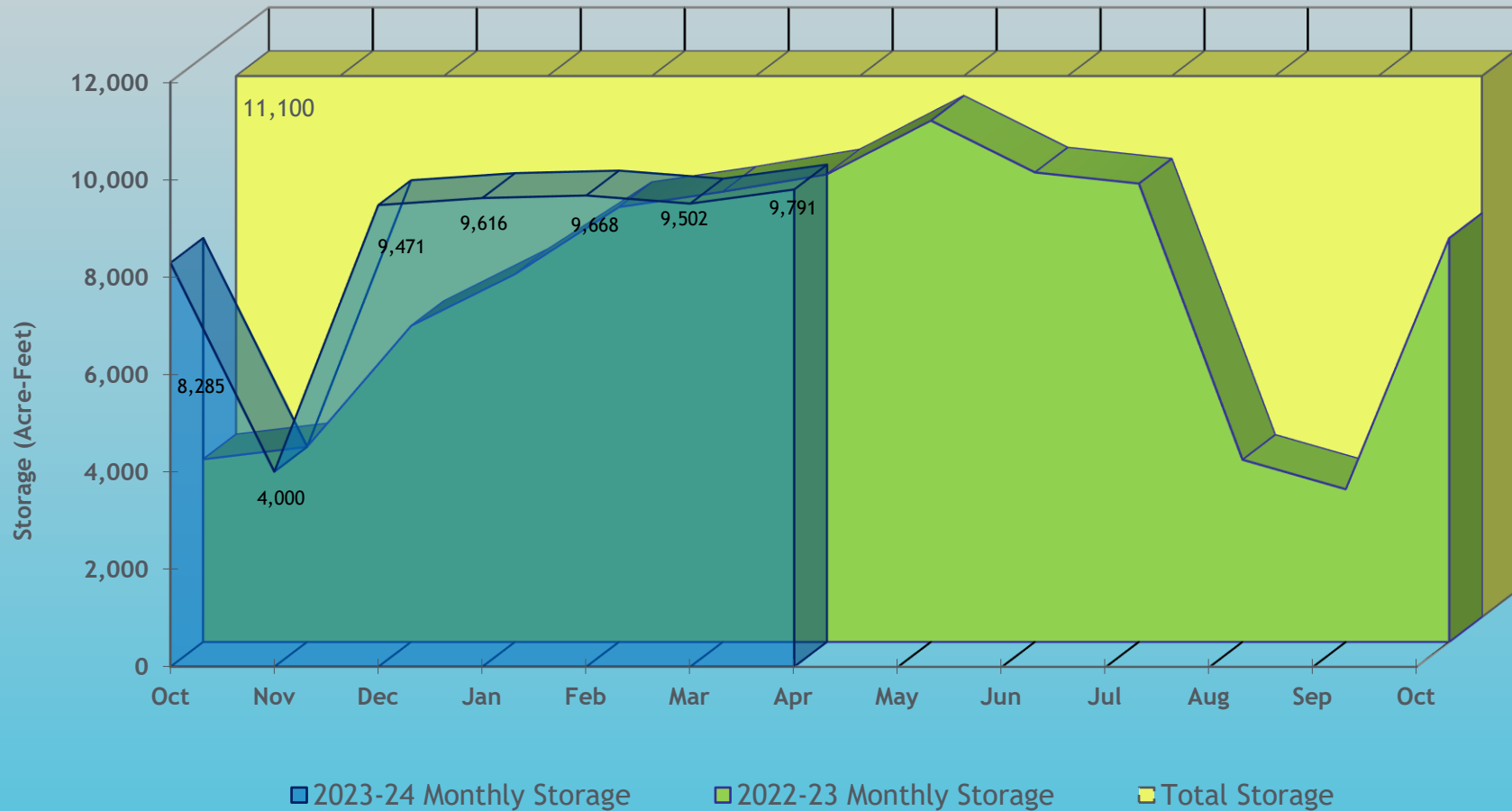
2022-23 Monthly Storage

Total Storage

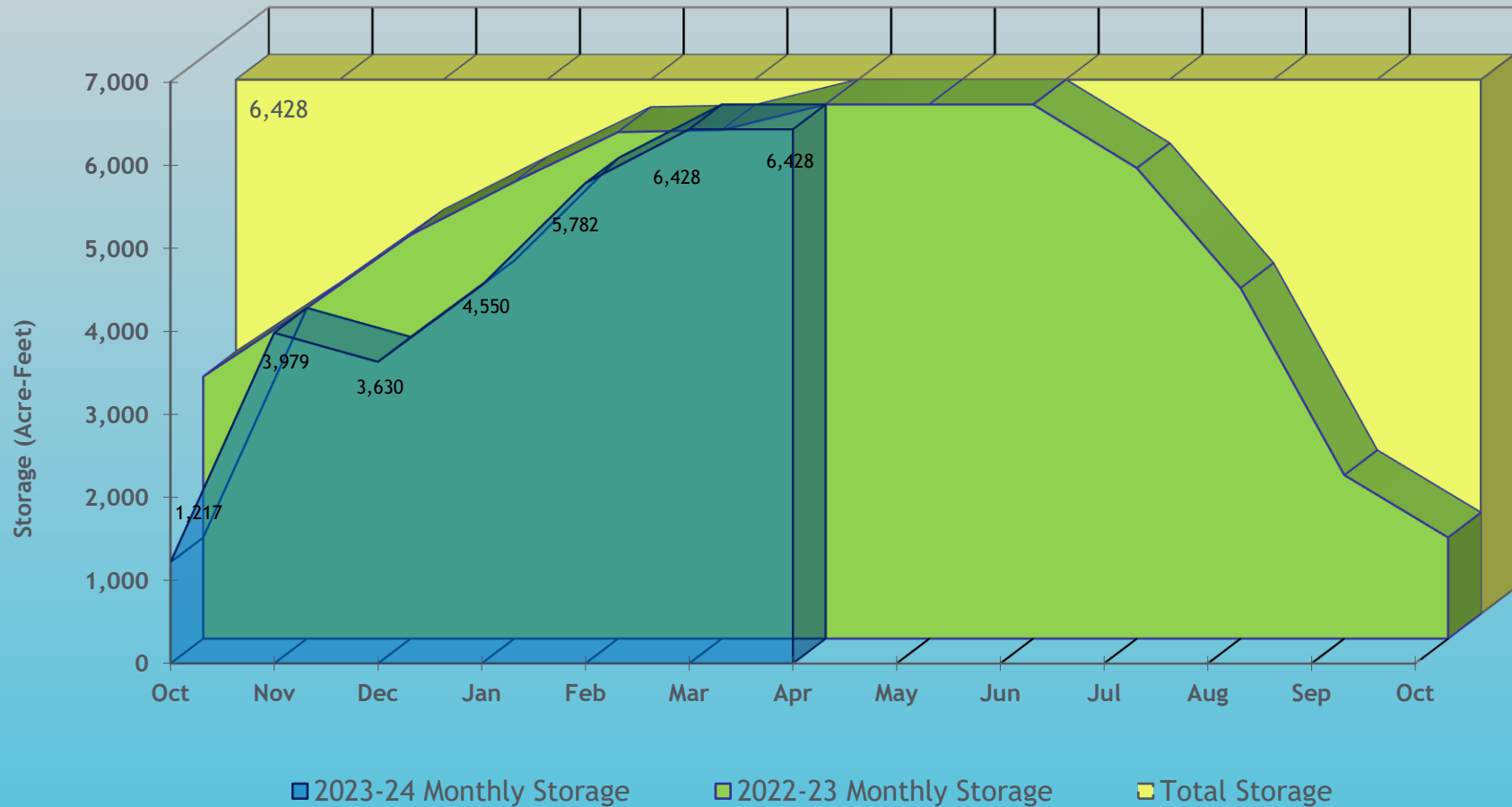
Cobb Reservoir (District 3, Poudre River - Agricultural)



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



Halligan Reservoir (District 3, Poudre River - Agricultural)

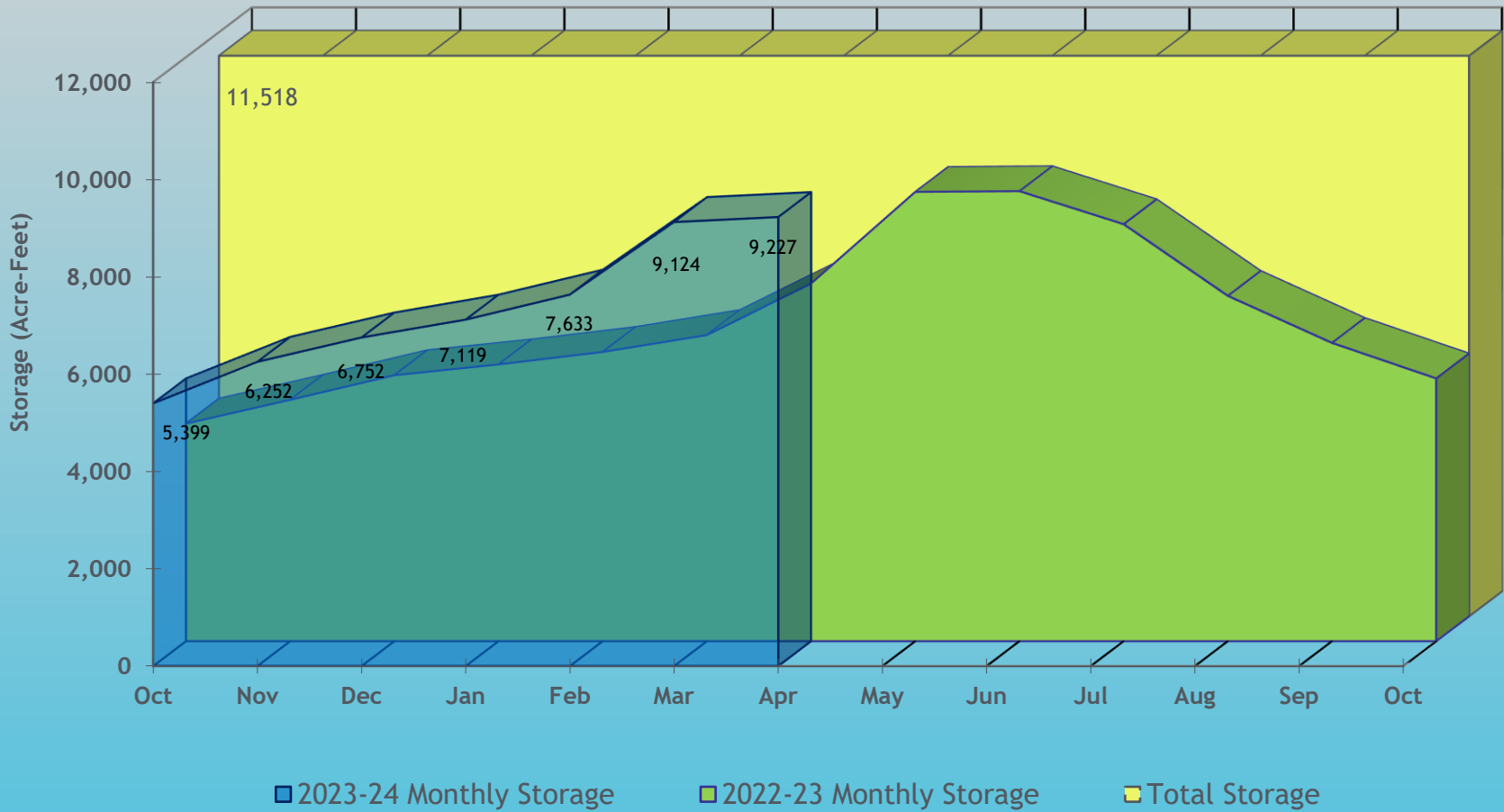


■ 2023-24 Monthly Storage

■ 2022-23 Monthly Storage

■ Total Storage

Marshall Lake (District 6, Boulder Creek - Agricultural)

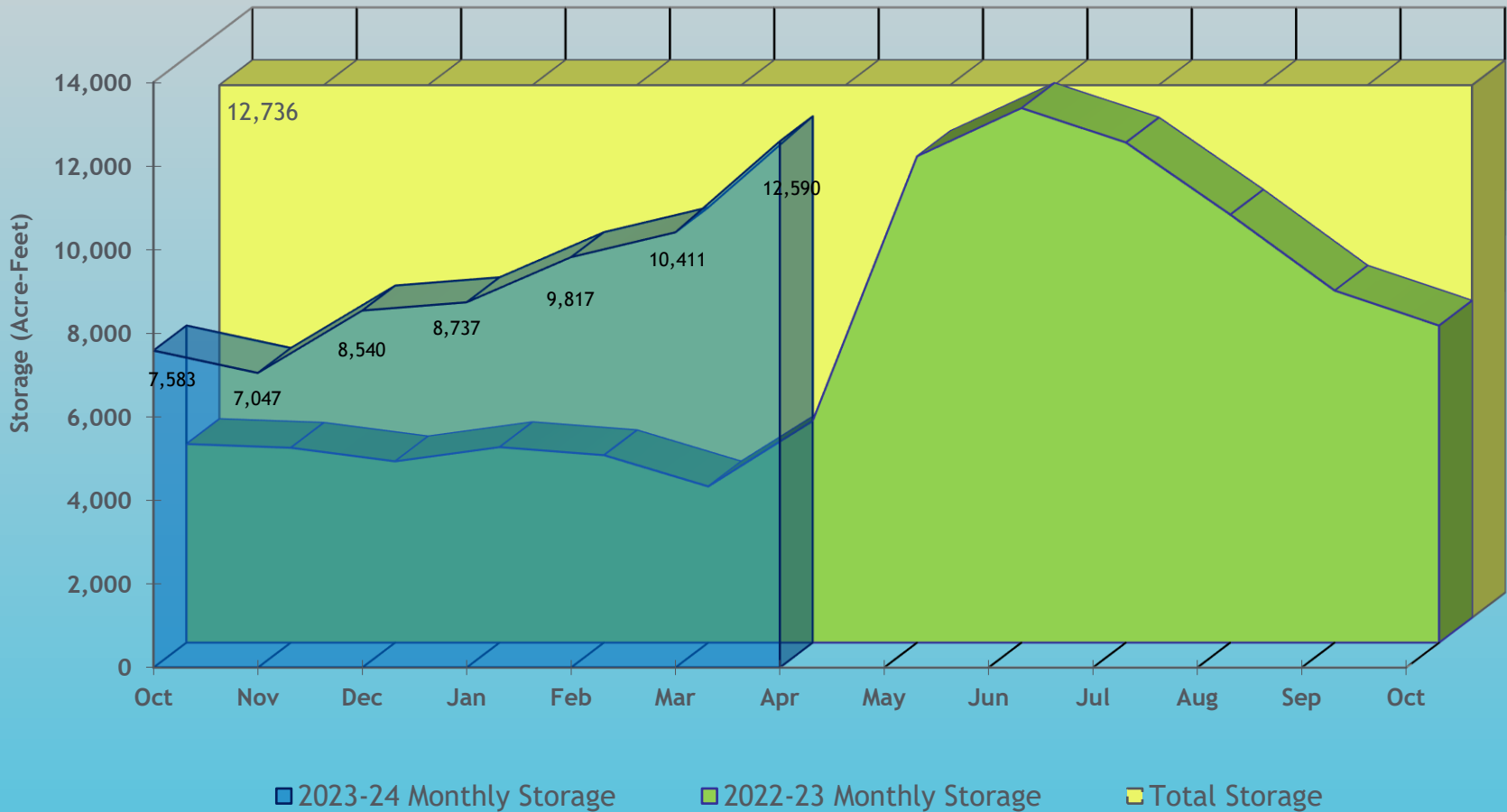


■ 2023-24 Monthly Storage

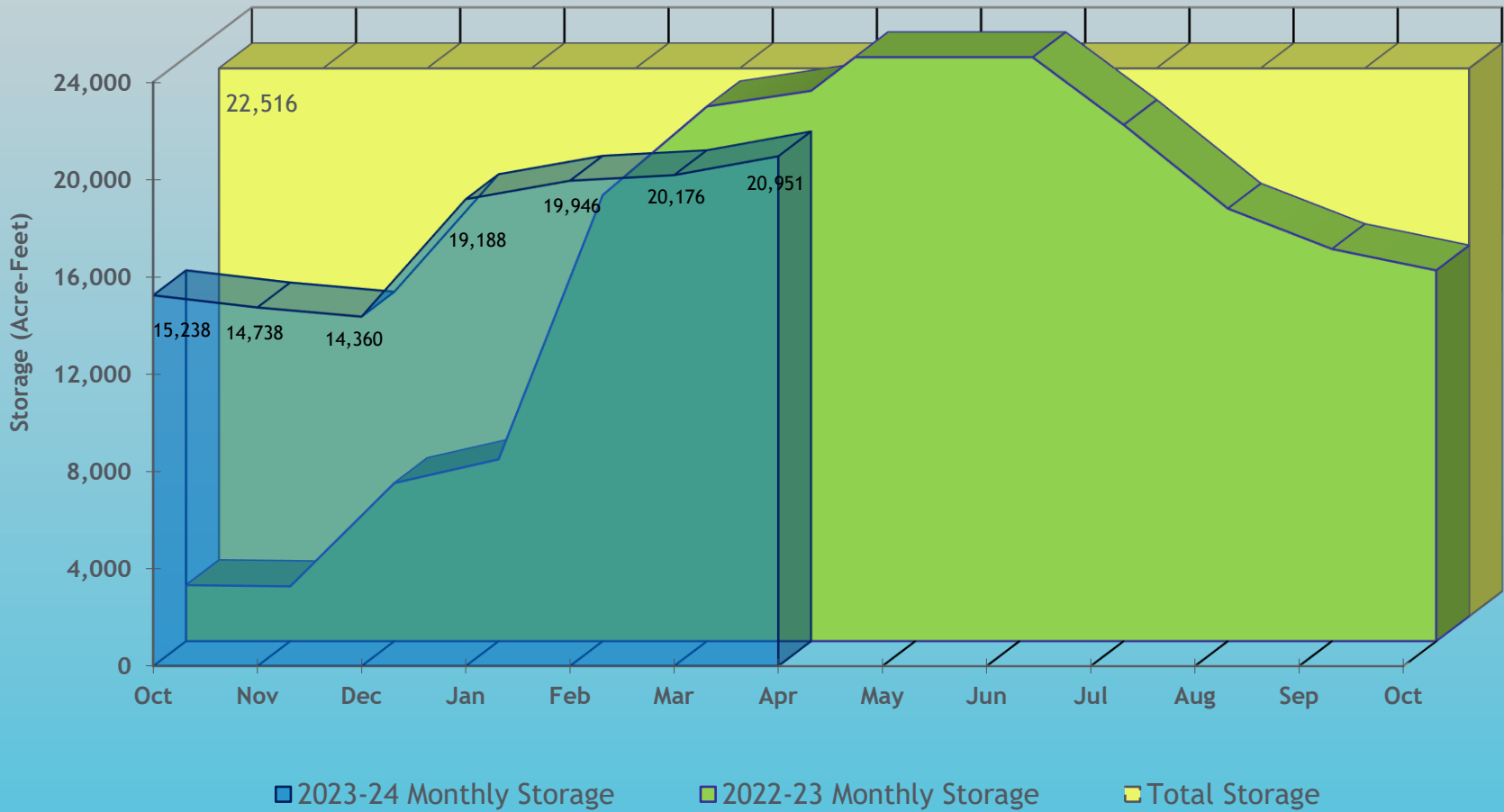
■ 2022-23 Monthly Storage

■ Total Storage

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



Milton Reservoir (District 2 - Agricultural)

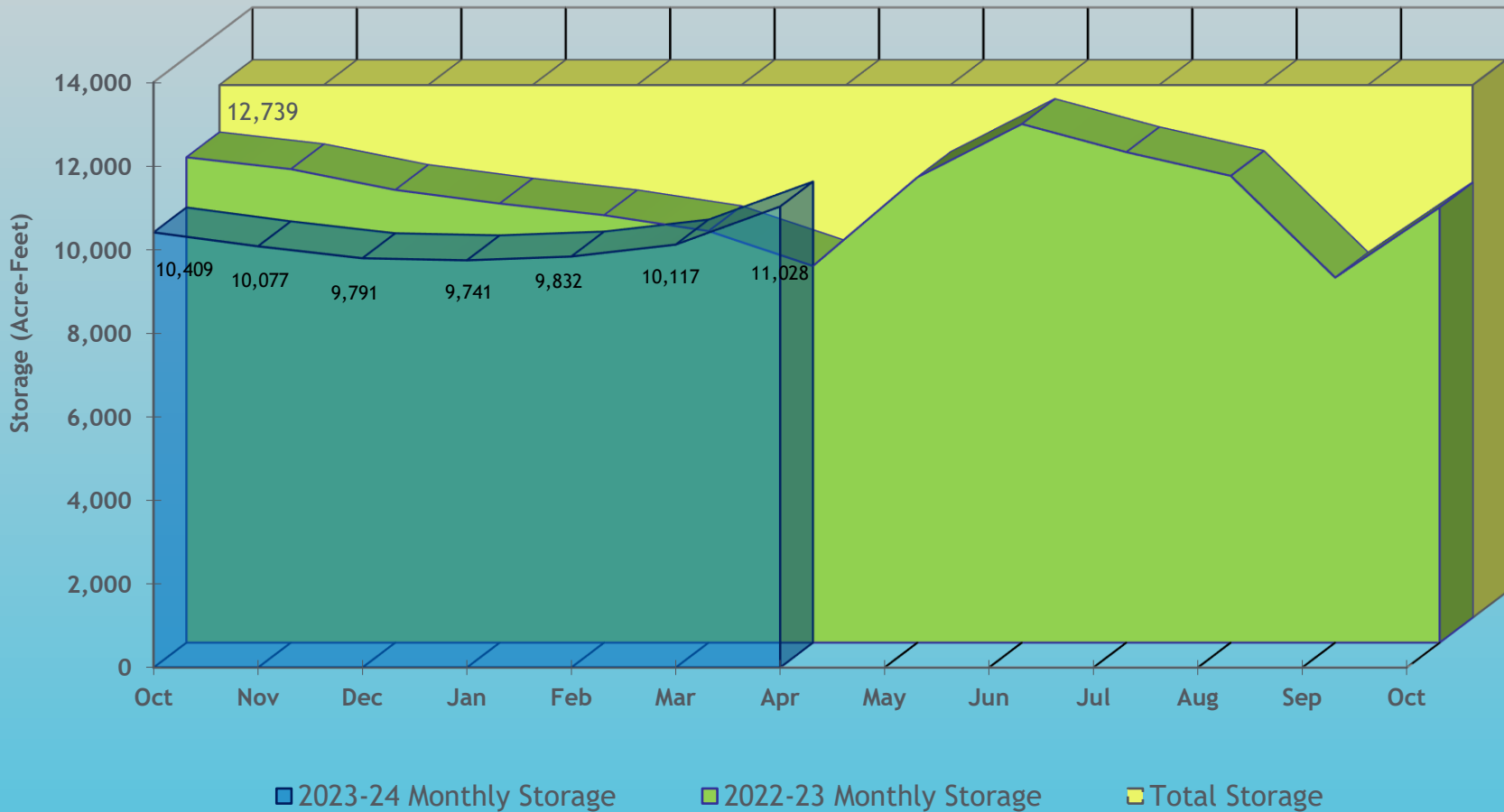


2023-24 Monthly Storage

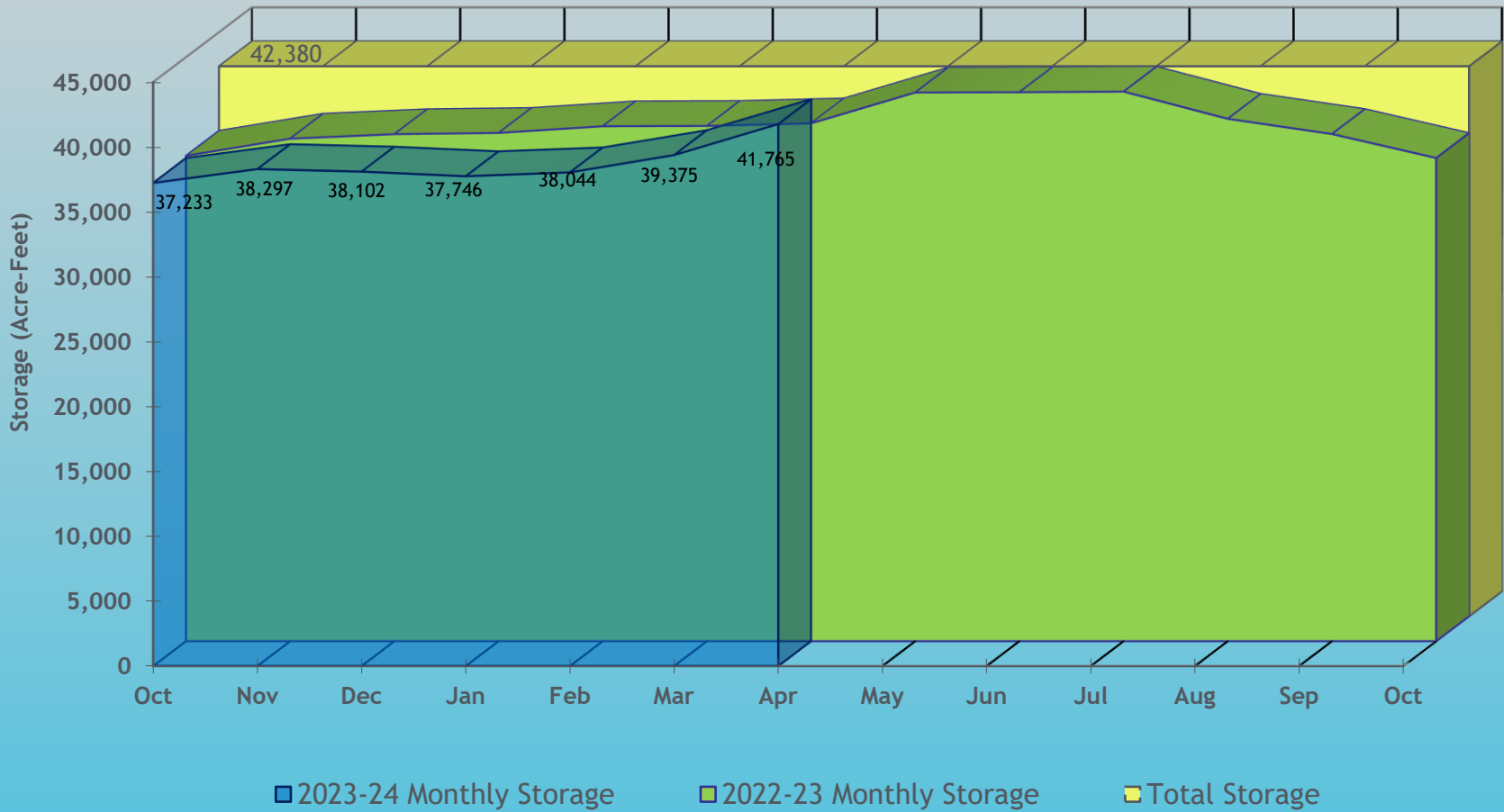
2022-23 Monthly Storage

Total Storage

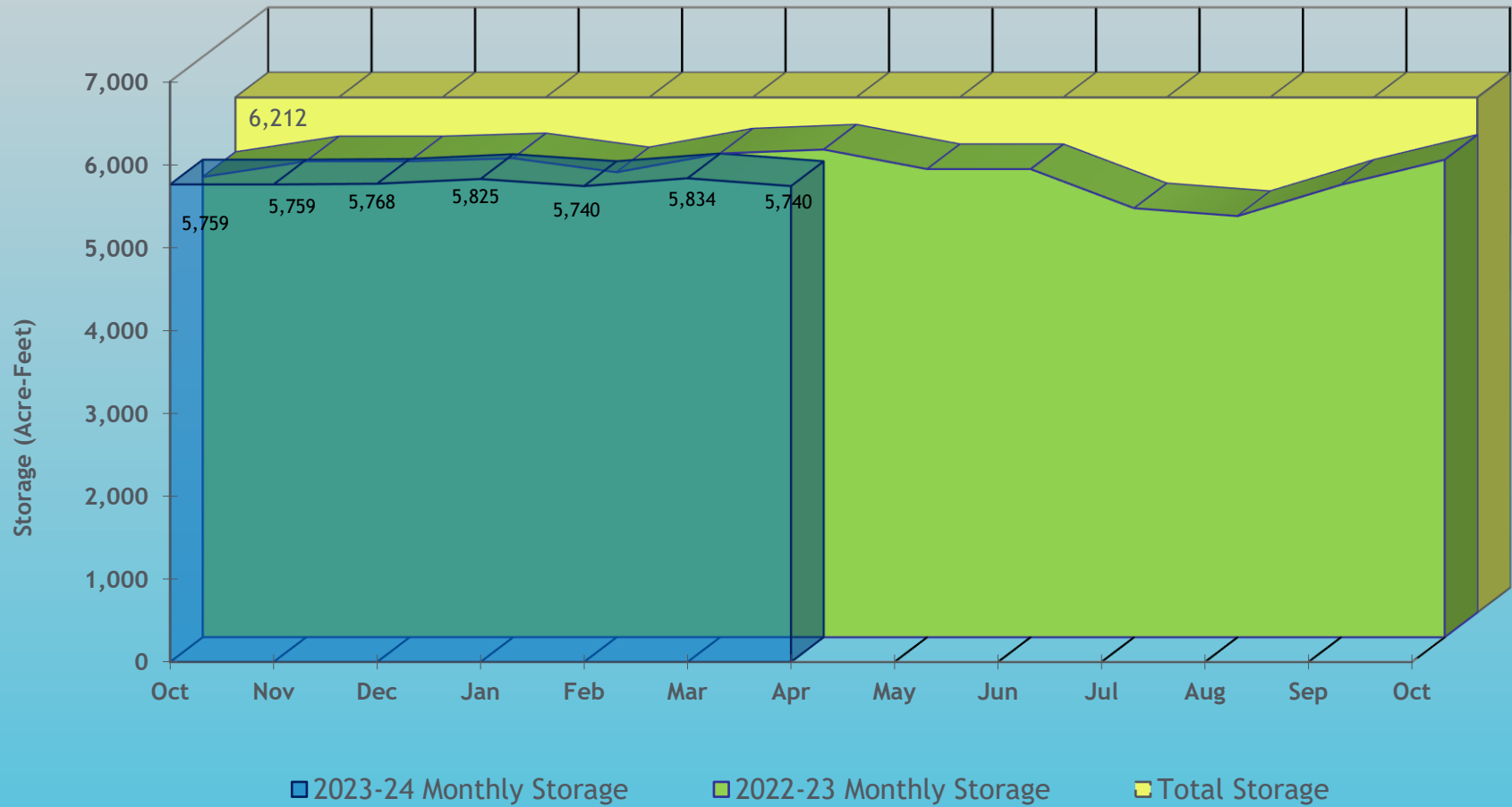
Union Reservoir (District 5, St. Vrain Creek - Agricultural)



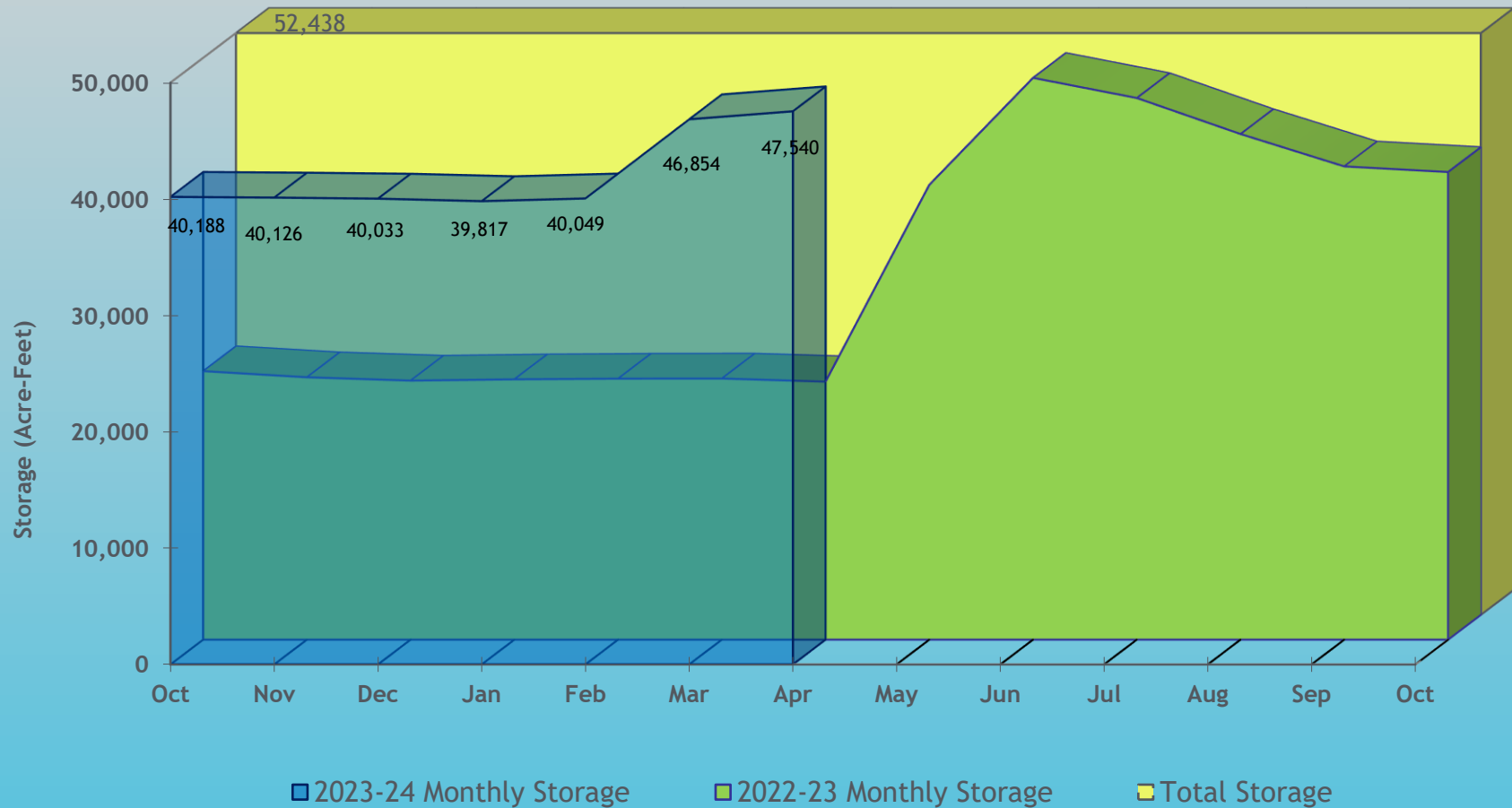
Standley Lake (Agricultural)



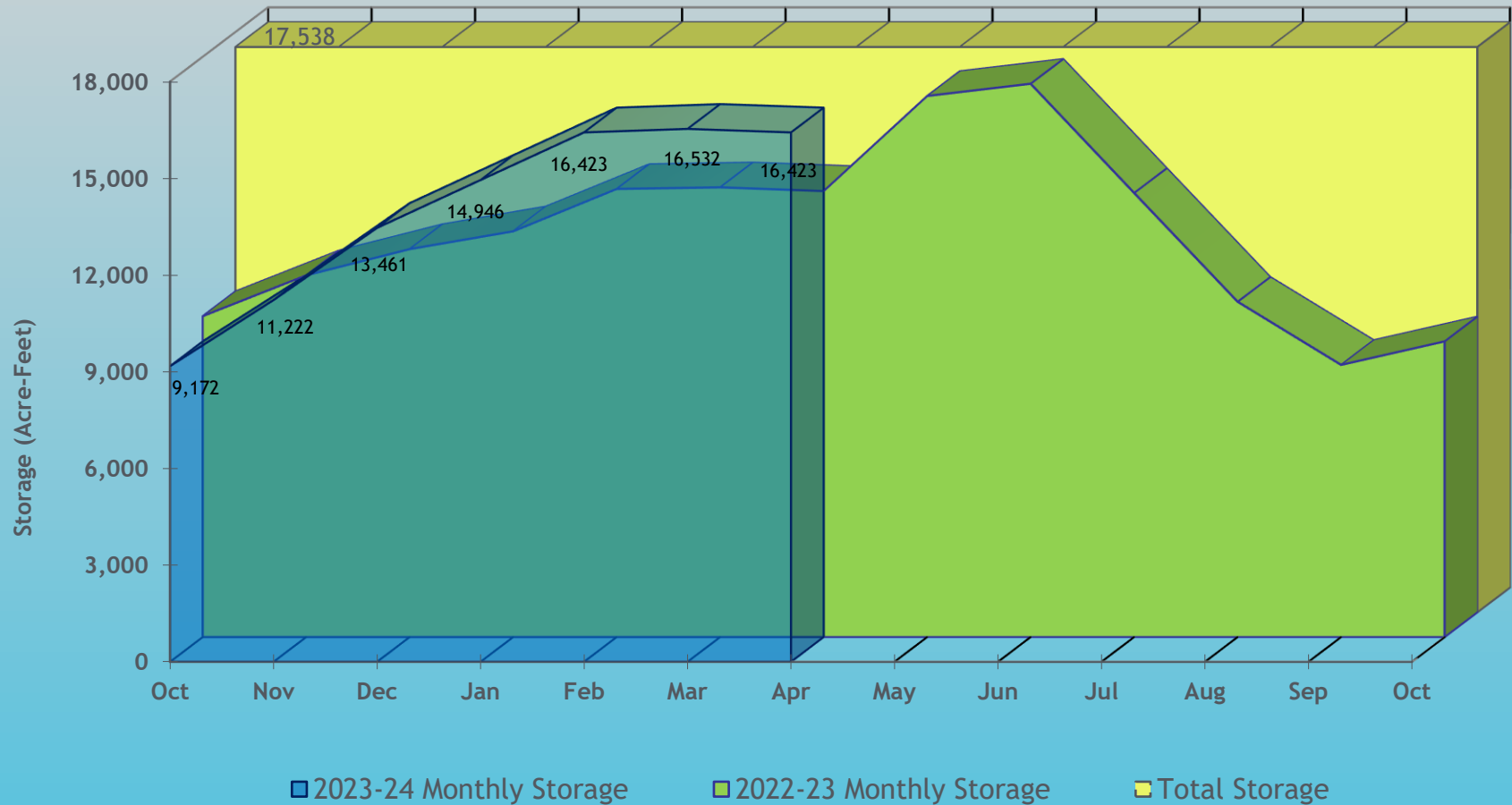
Lower Latham Reservoir (District 2 - Agricultural)



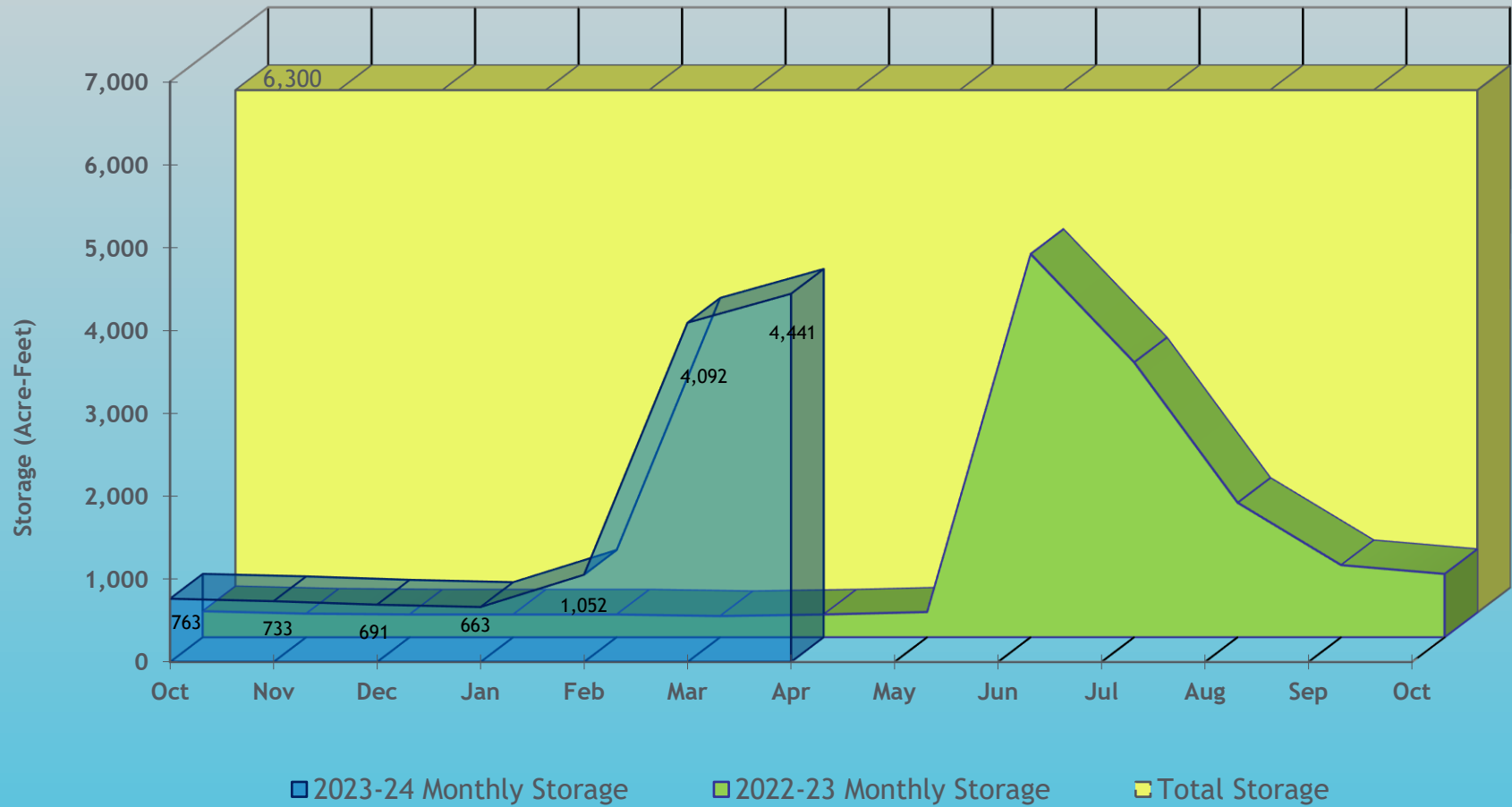
Boyd Lake (District 4, Big Thompson River - Agricultural)



Windsor Reservoir (District 3, Poudre River - Agricultural)



Prospect Reservoir (District 1 - Agricultural)

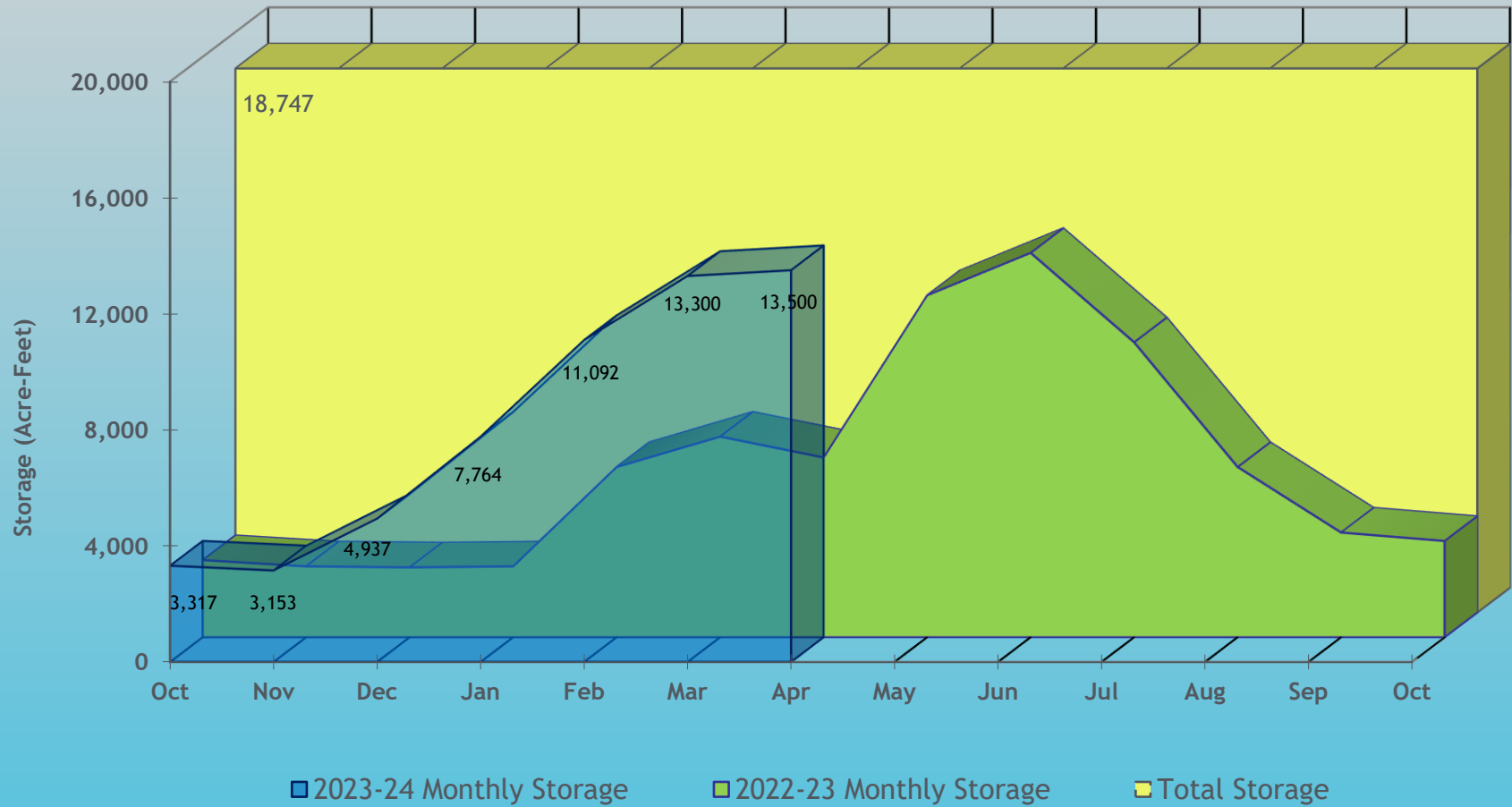


2023-24 Monthly Storage

2022-23 Monthly Storage

Total Storage

Horse Creek Reservoir (District 1 - Agricultural)

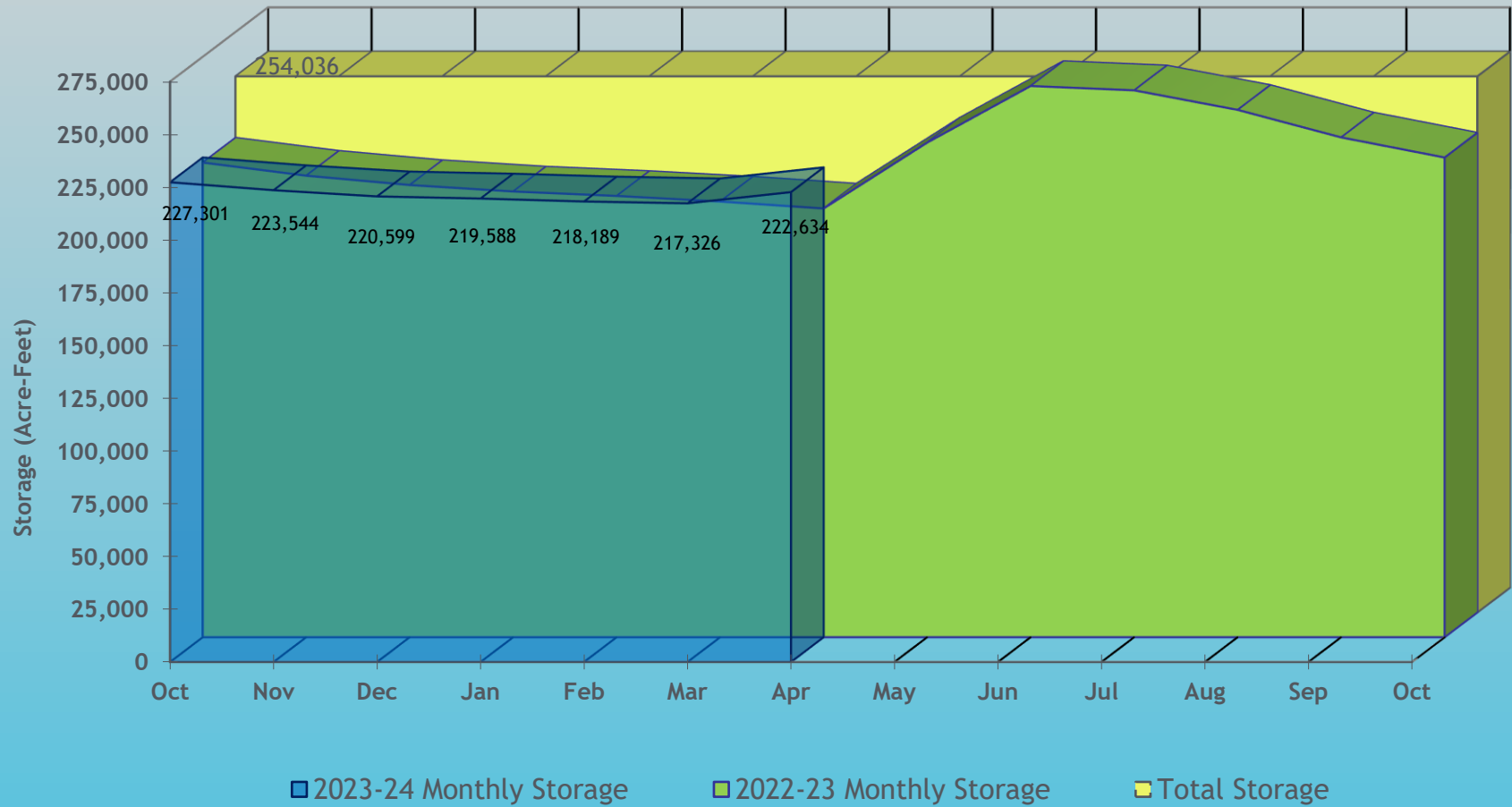


■ 2023-24 Monthly Storage

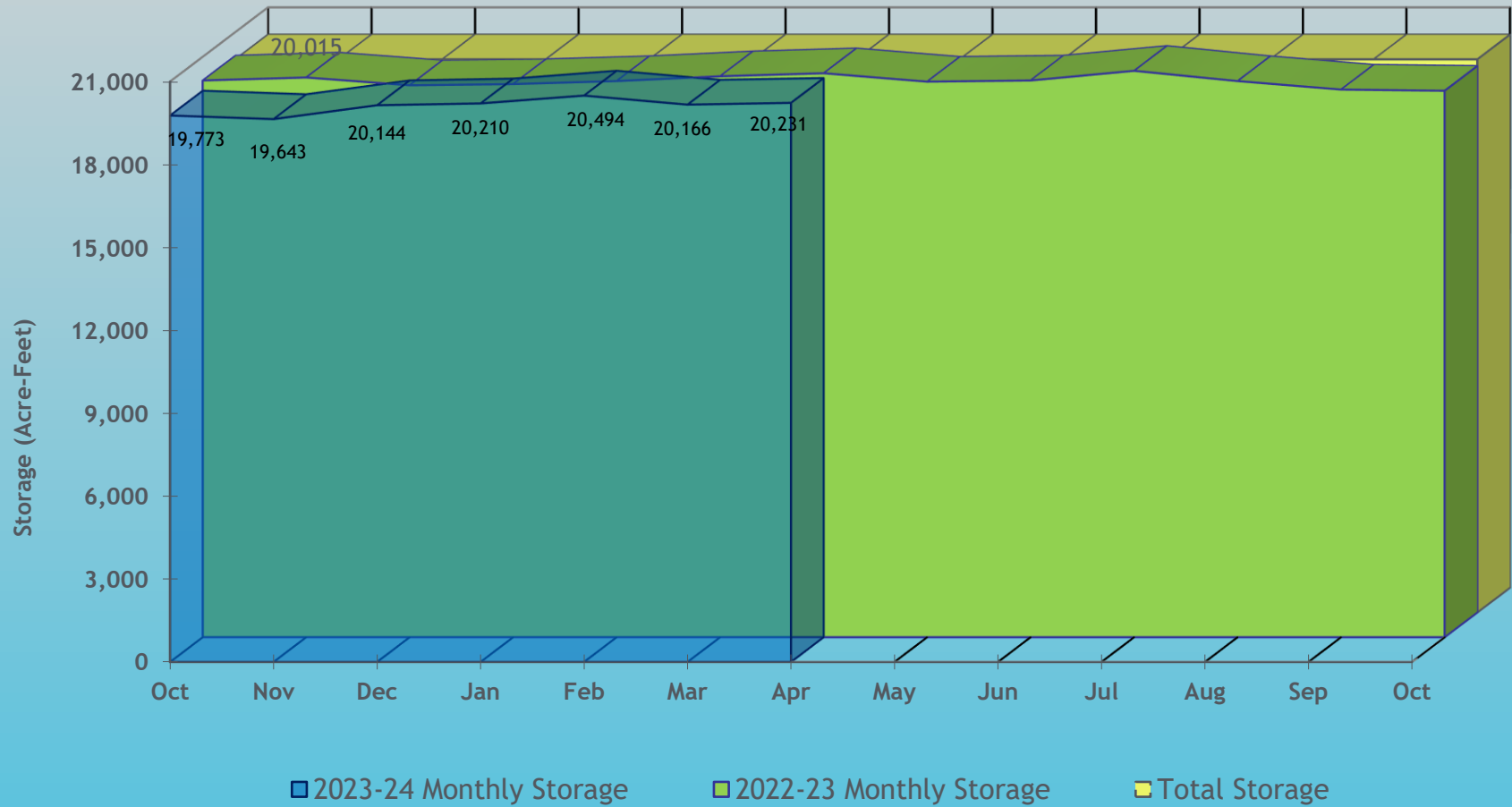
■ 2022-23 Monthly Storage

■ Total Storage

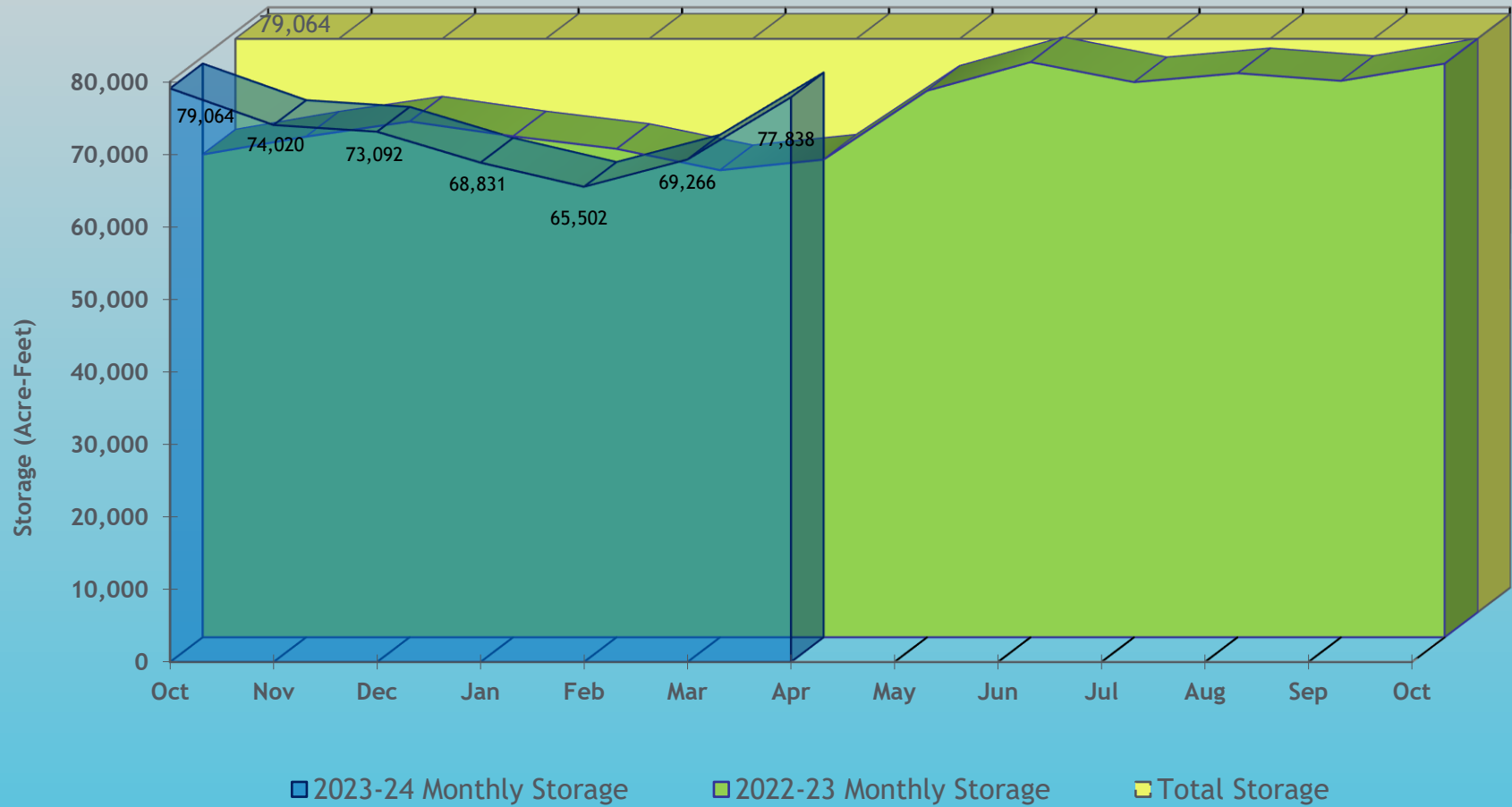
Dillon Reservoir (District 1 - Municipal)



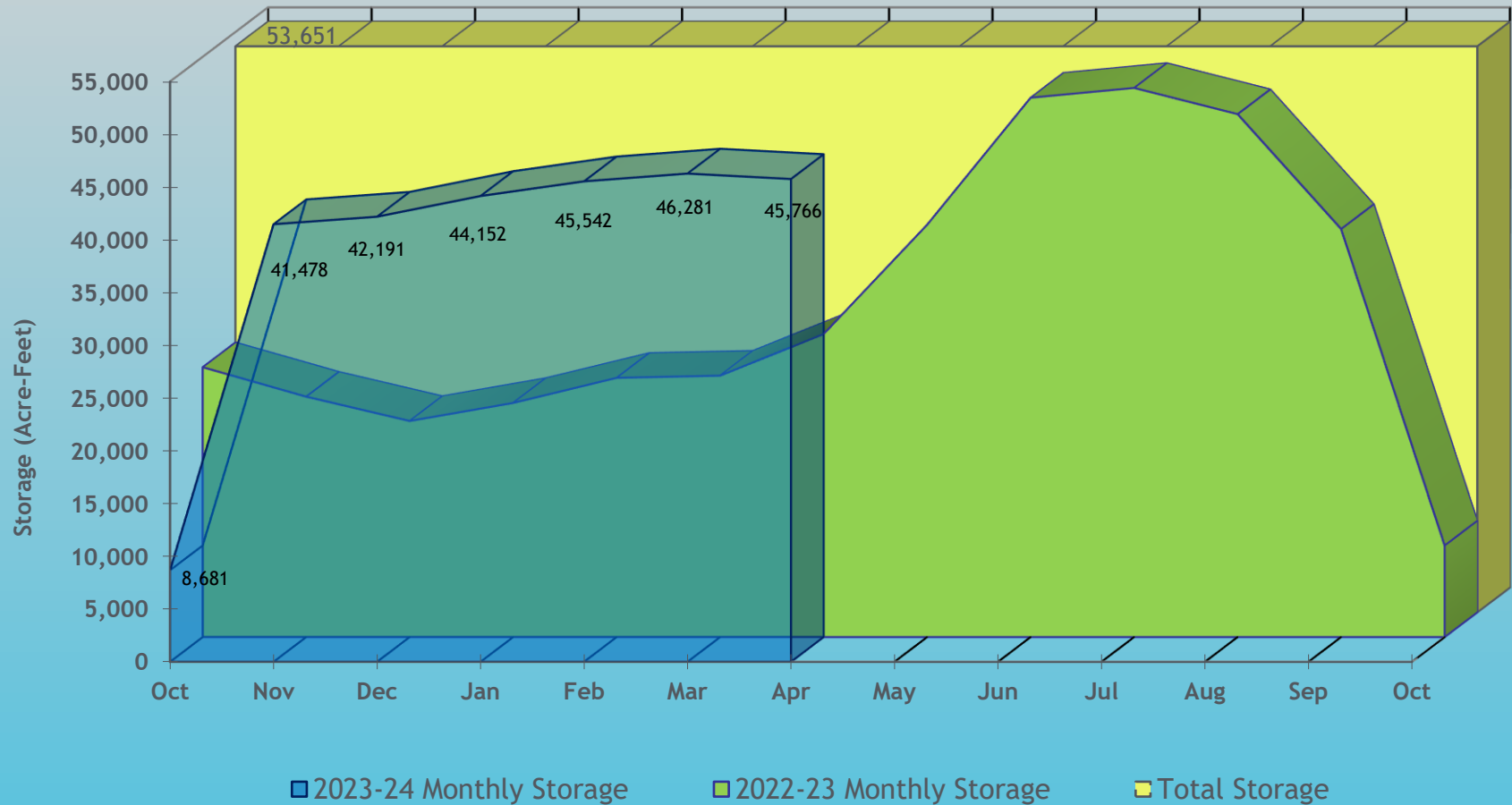
Antero Reservoir (District 23 - Municipal)



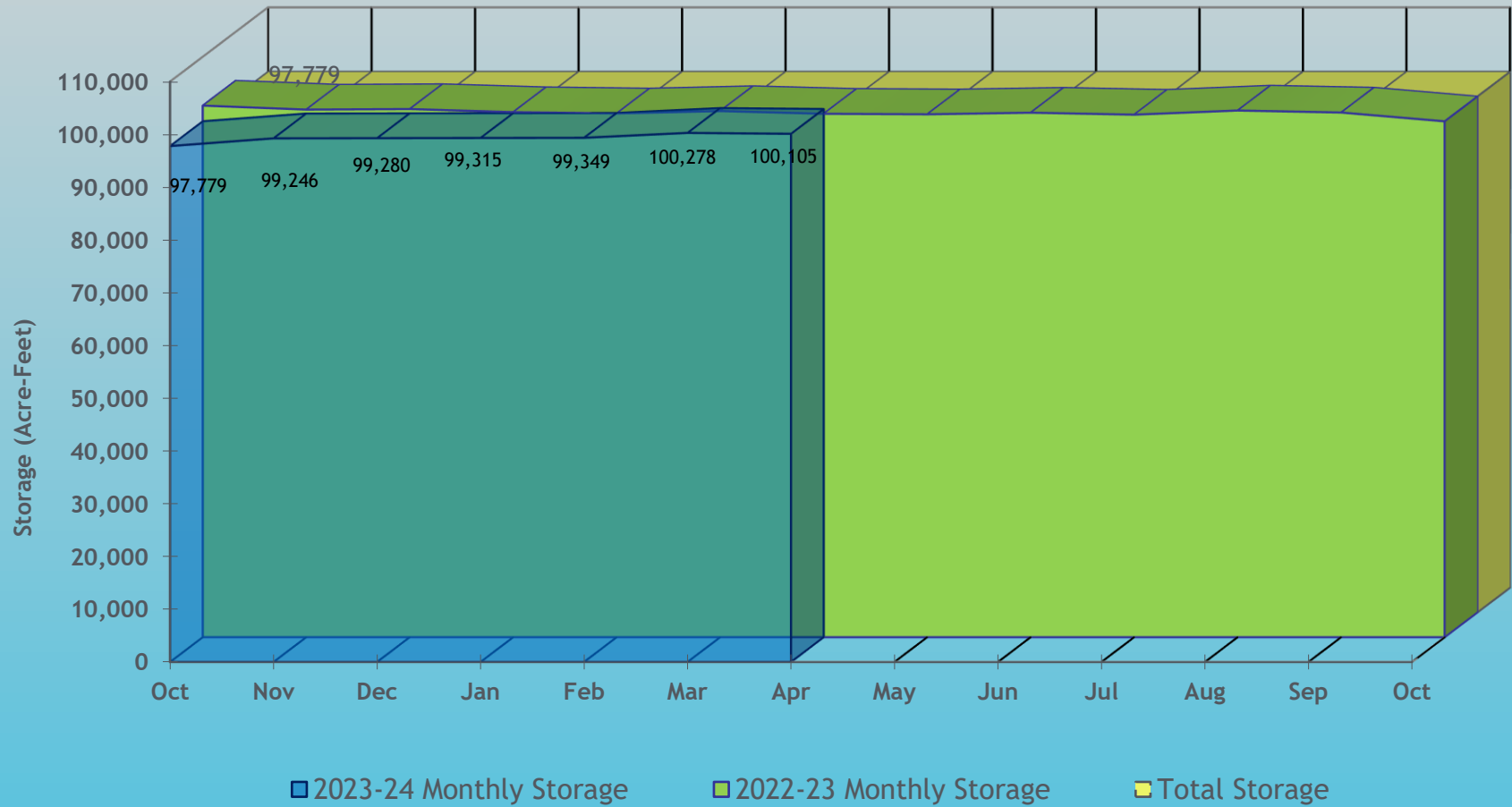
Cheesman Reservoir (District 80 - Municipal)



Spinney Mountain Reservoir (District 23 - Municipal)



Eleven Mile Reservoir (District 23 - Municipal)



Lake Granby

