



COLORADO
Division of Water Resources
Department of Natural Resources

South Platte Summary October 2024

Compiled by Lee Cunning, P.E.

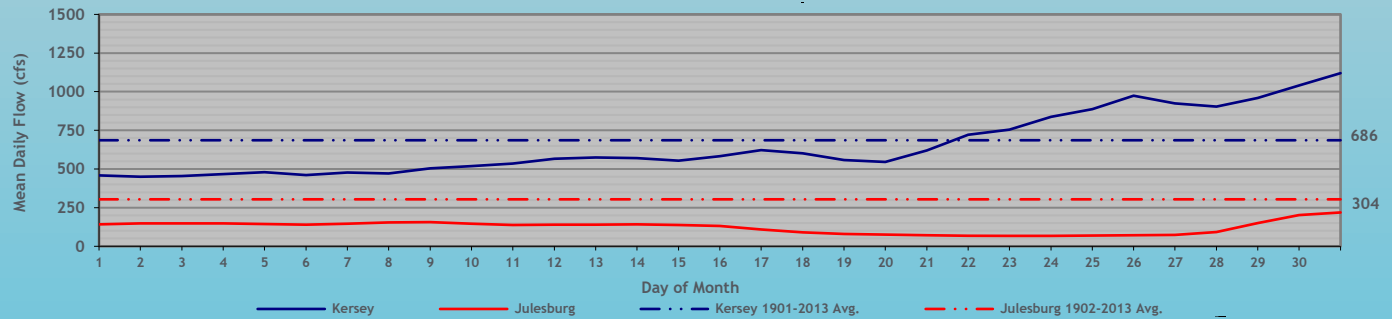
COLORADO DIVISION OF WATER RESOURCES, DIVISION 1

MONTH OF October 2024

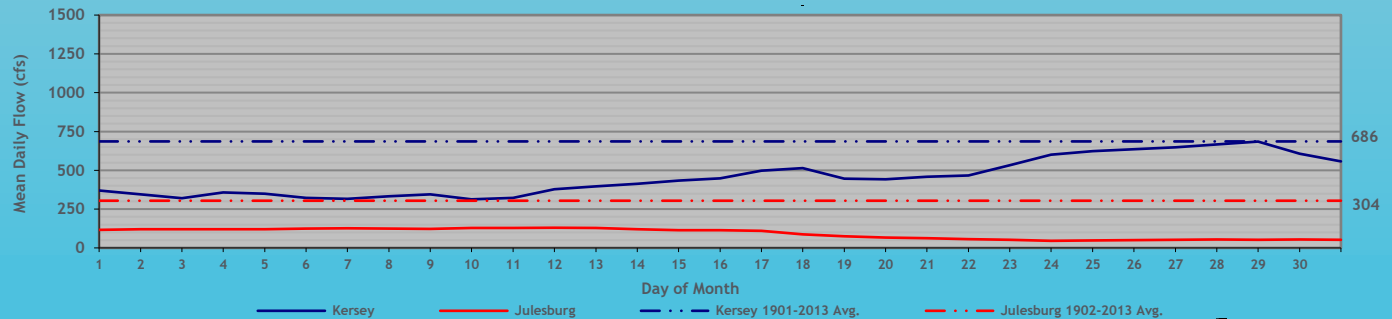
RESERVOIR	FULL ALLOWABLE CAPACITY (ACRE FEET)	FIRST OF MONTH (ACRE FEET)	END OF MONTH (ACRE FEET)	DISTRICT	CHANGE IN STORAGE (ACRE FEET)	% CHANGE IN STORAGE BASED ON FIRST OF MONTH STORAGE	% OF CURRENT FULL ALLOWABLE CAPACITY	% OF CURRENT FULL ALLOWABLE CAPACITY THIS MONTH LAST YEAR	SURCHARGE (ACRE FEET)
JULESBURG	22,666	11,739	9,619	64	-2,120	-18%	42%	48%	0
N STERLING	73,730	41,035	25,660	64	-15,375	-37%	35%	45%	0
PREWITT	28,500	24,646	20,569	64	-4,077	-17%	72%	61%	0
JACKSON	27,257	21,446	14,312	1	-7,134	-33%	53%	82%	0
EMPIRE	37,700	21,086	13,306	1	-7,780	-37%	35%	50%	0
RIVERSIDE	63,113	37,133	22,036	1	-15,097	-41%	35%	50%	0
BARR LAKE	32,152	18,003	10,202	2	-7,801	-43%	32%	47%	0
CHEESMAN	79,064	76,042	76,025	80	-17	0%	96%	100%	0
ELEVEN MILE	97,779	100,416	100,761	23	345	0%	100%	100%	2,982
SPINNEY	53,651	49,616	44,234	23	-5,382	-11%	82%	16%	0
ANTERO	20,015	19,905	17,568	23	-2,337	-12%	88%	99%	0

RIVER GAGES	MEAN DAILY FLOW (CFS)
KERSEY	456
JULESBURG	93
THIS MONTH LAST YEAR	
KERSEY	652
JULESBURG	123
MEAN FOR PERIOD OF RECORD*	
KERSEY	686
JULESBURG	304
*Kersey 1901 - 2016	*Julesburg
1902 - 2016	

KERSEY and JULESBURG
October 2023

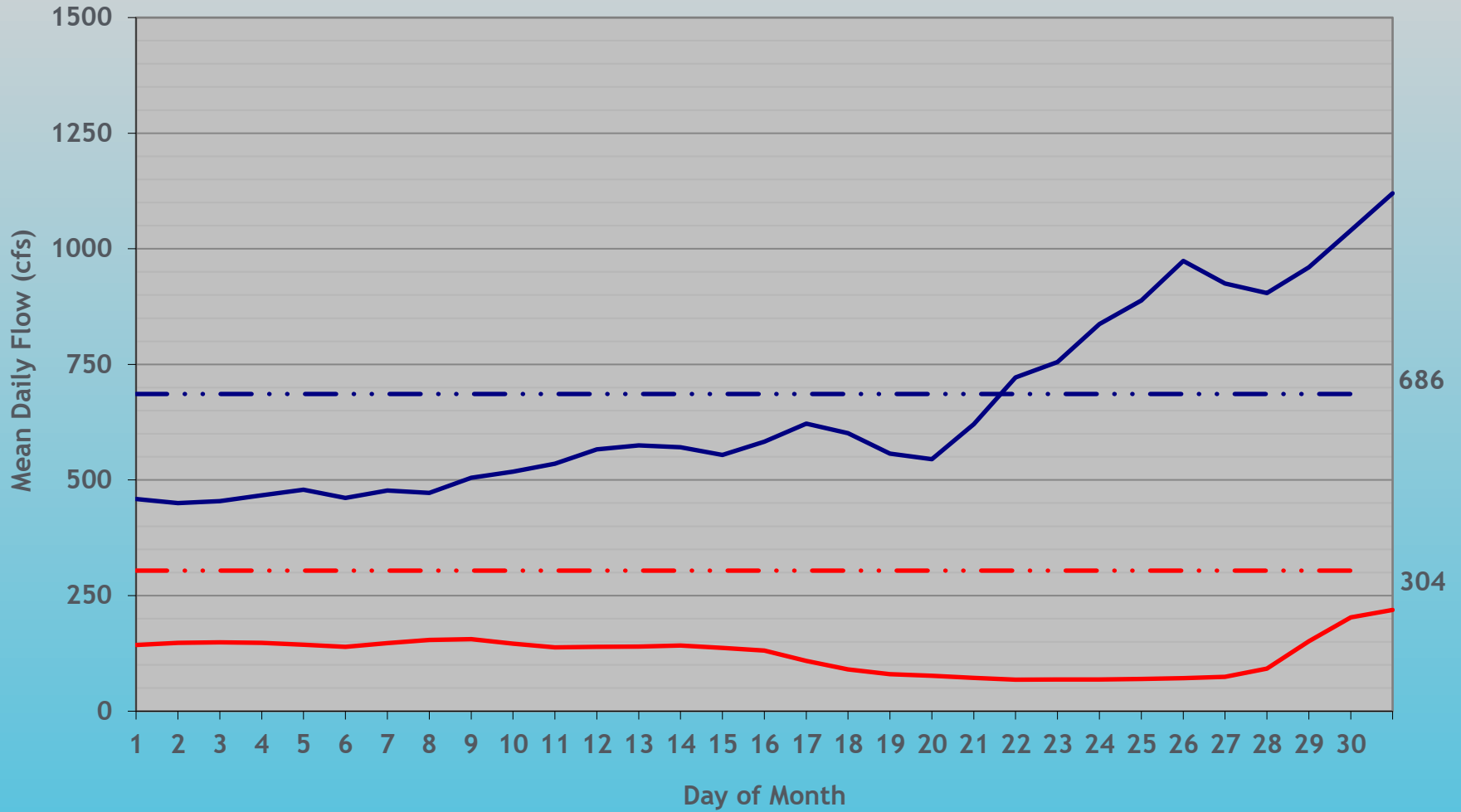


KERSEY and JULESBURG
October 2024



KERSEY and JULESBURG

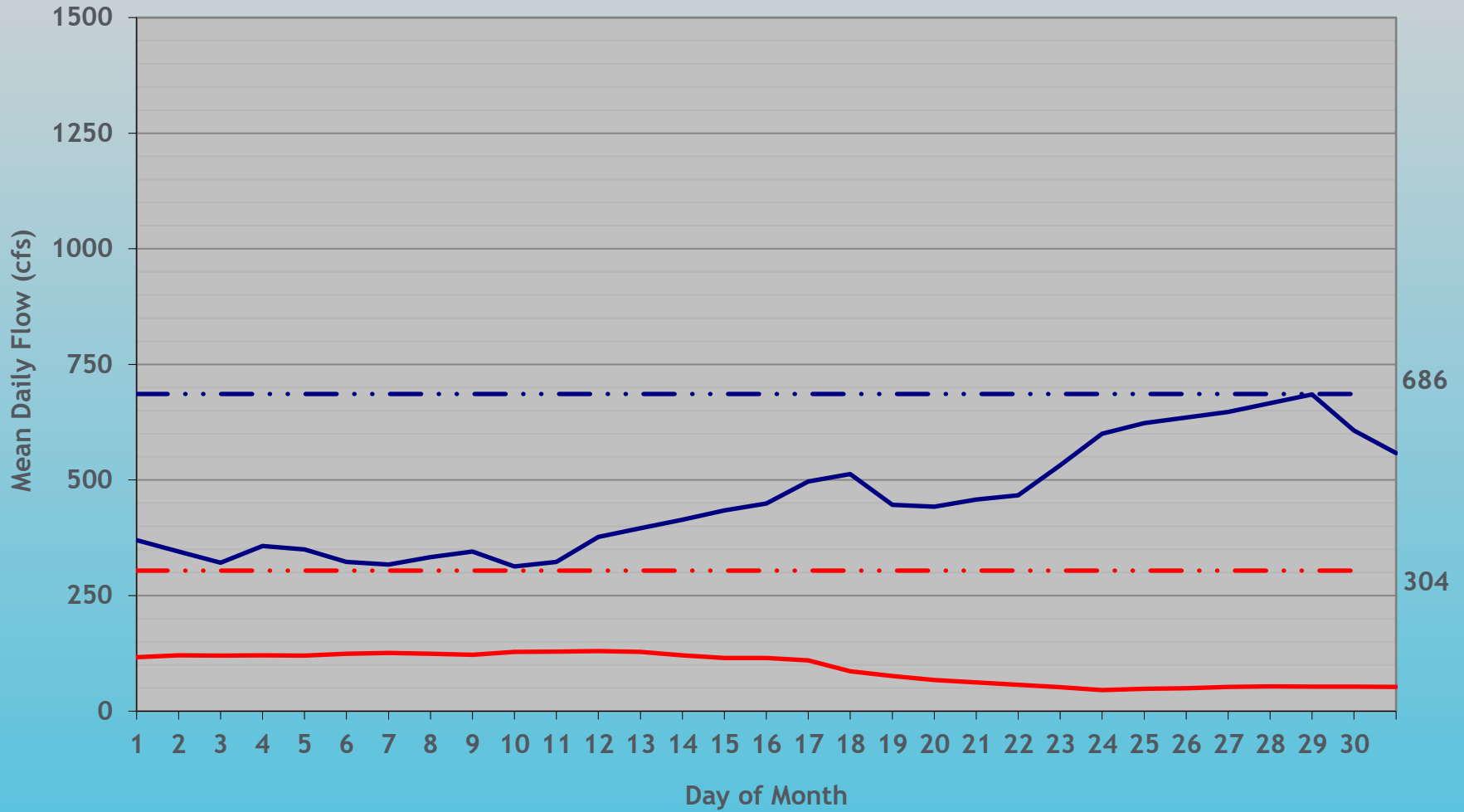
October 2023



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

KERSEY and JULESBURG

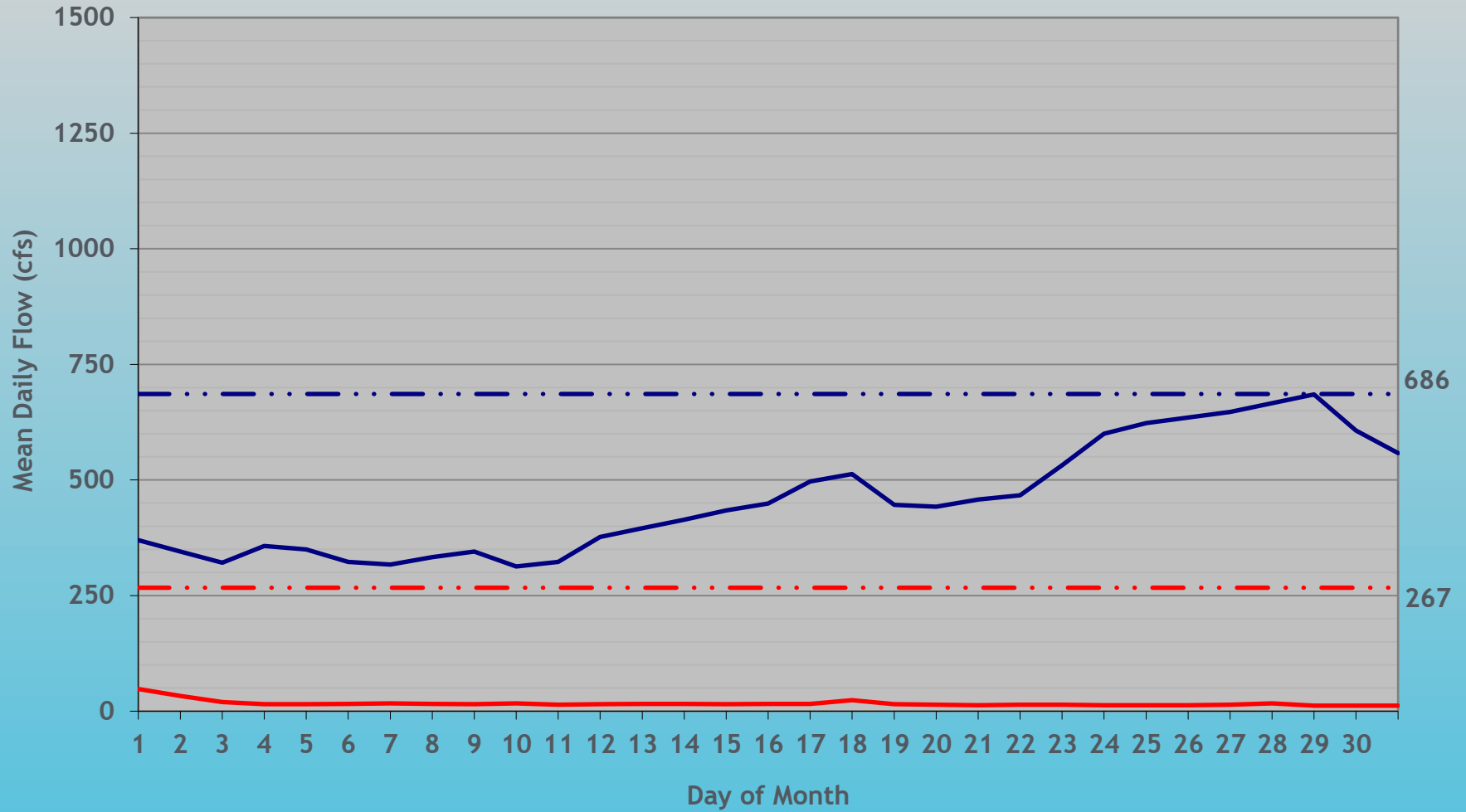
October 2024



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

KERSEY and BALZAC

October 2024



— Kersey

— Balzac

· Kersey 1901-2013 Avg.

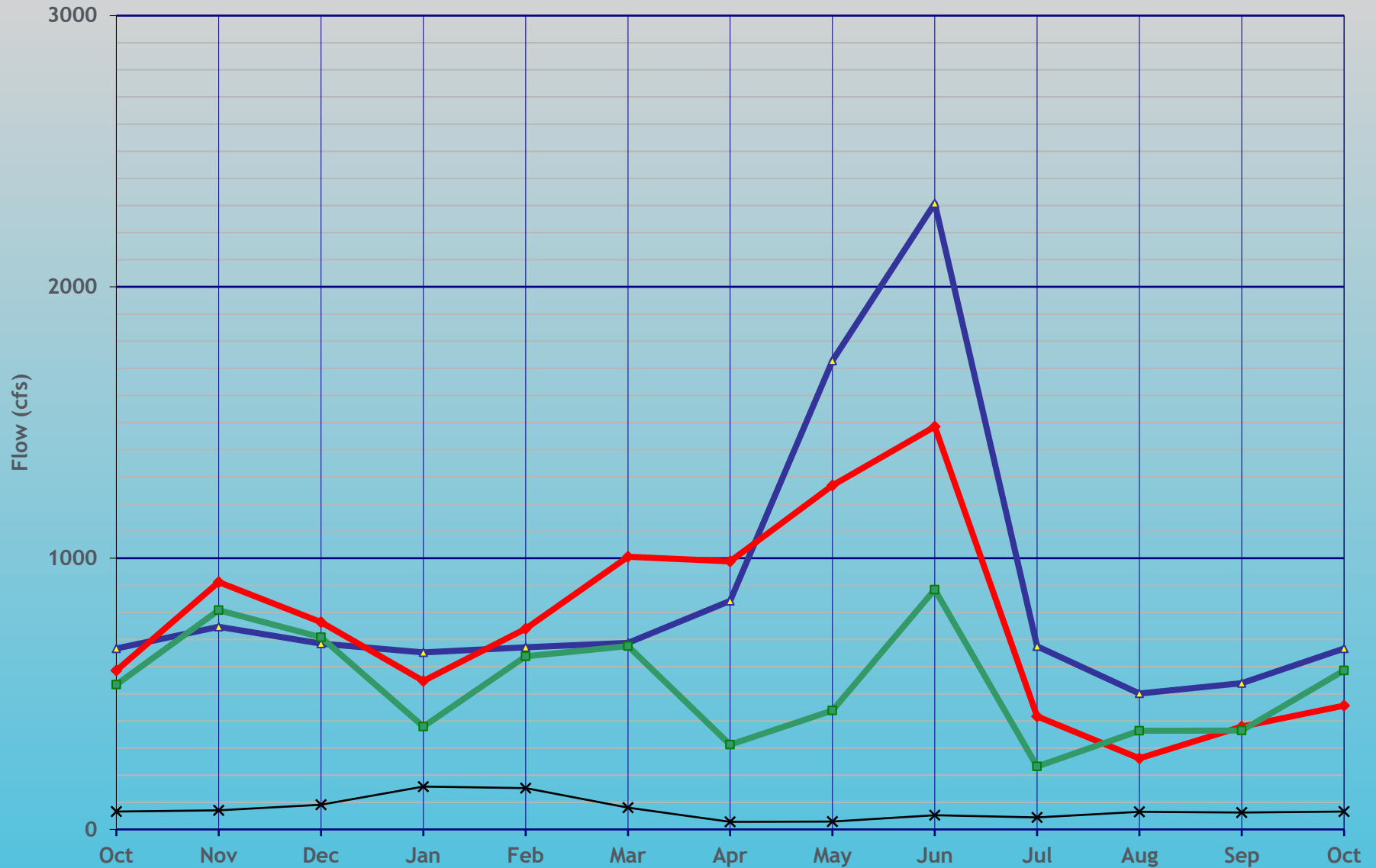
· Balzac 1917-2013 Avg.

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	1485	Jun	1426	30800	1921	2.0	1910	175
Jul	675	12600	1983	44	1955	417	Jul	311	12600	1983	0.0	1903	49
Aug	501	9690	1951	65	1934	262	Aug	178	8920	1968	0.0	1903	118
Sep	539	14200	1938	62	1940	379	Sep	284	7130	1938	2.0	1902	94
Oct	667	6180	1984	66	1954	456	Oct	299	3130	1984	4.2	1903	93
*Period of record 1902-2021							*Period of record 1902-2021						

South Platte River at Kersey

Irrigation Year



—▲— Historic* Mean Flow

—×— Historic* Min Flow

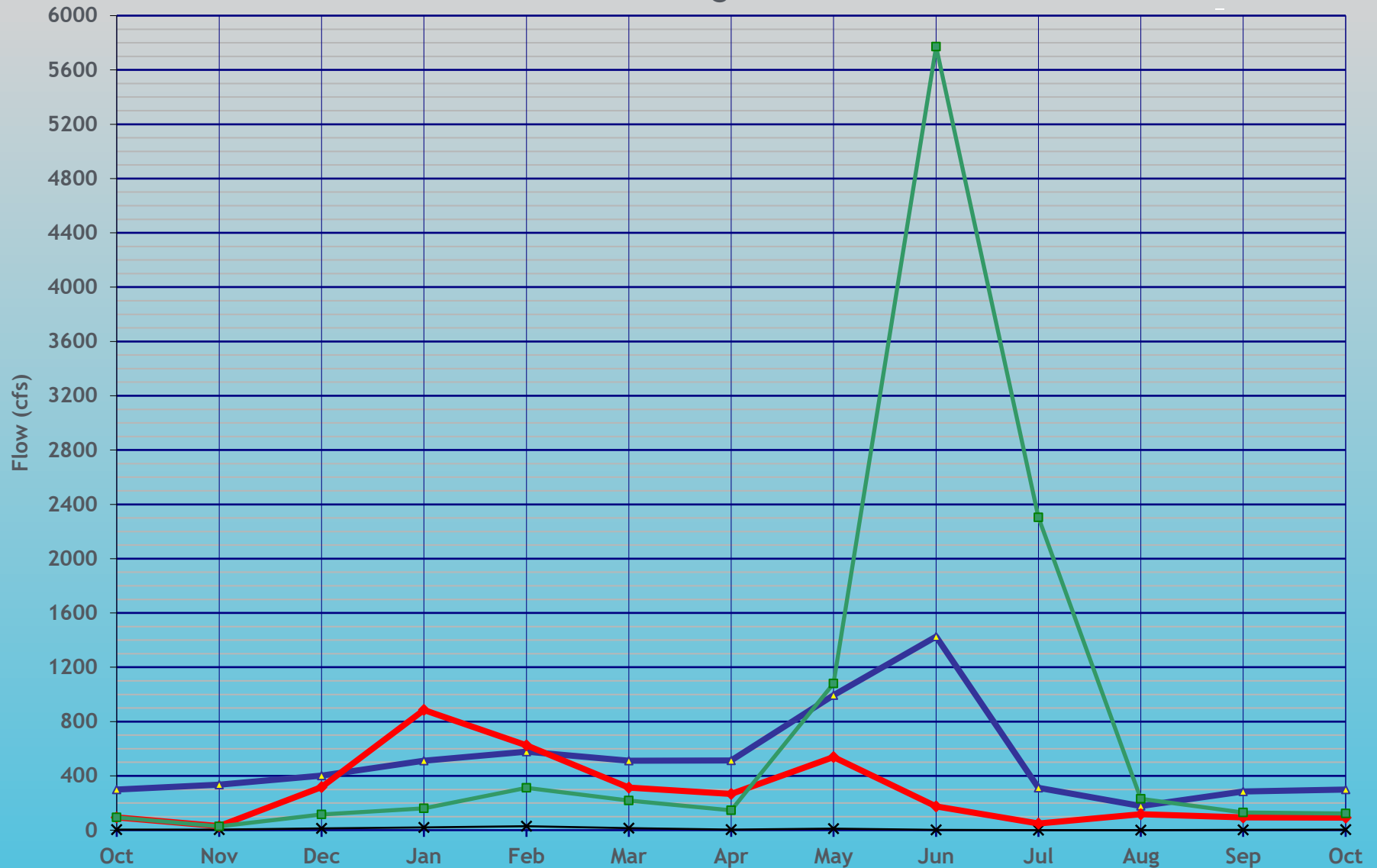
—◆— 2023-2024 Mean Flow

—■— 2022-2023 Mean Flow

*1901-2021

South Platte River at Julesburg

Irrigation Year



Historic* Mean Flow

Historic* Min Flow

2023-2024 Mean Flow

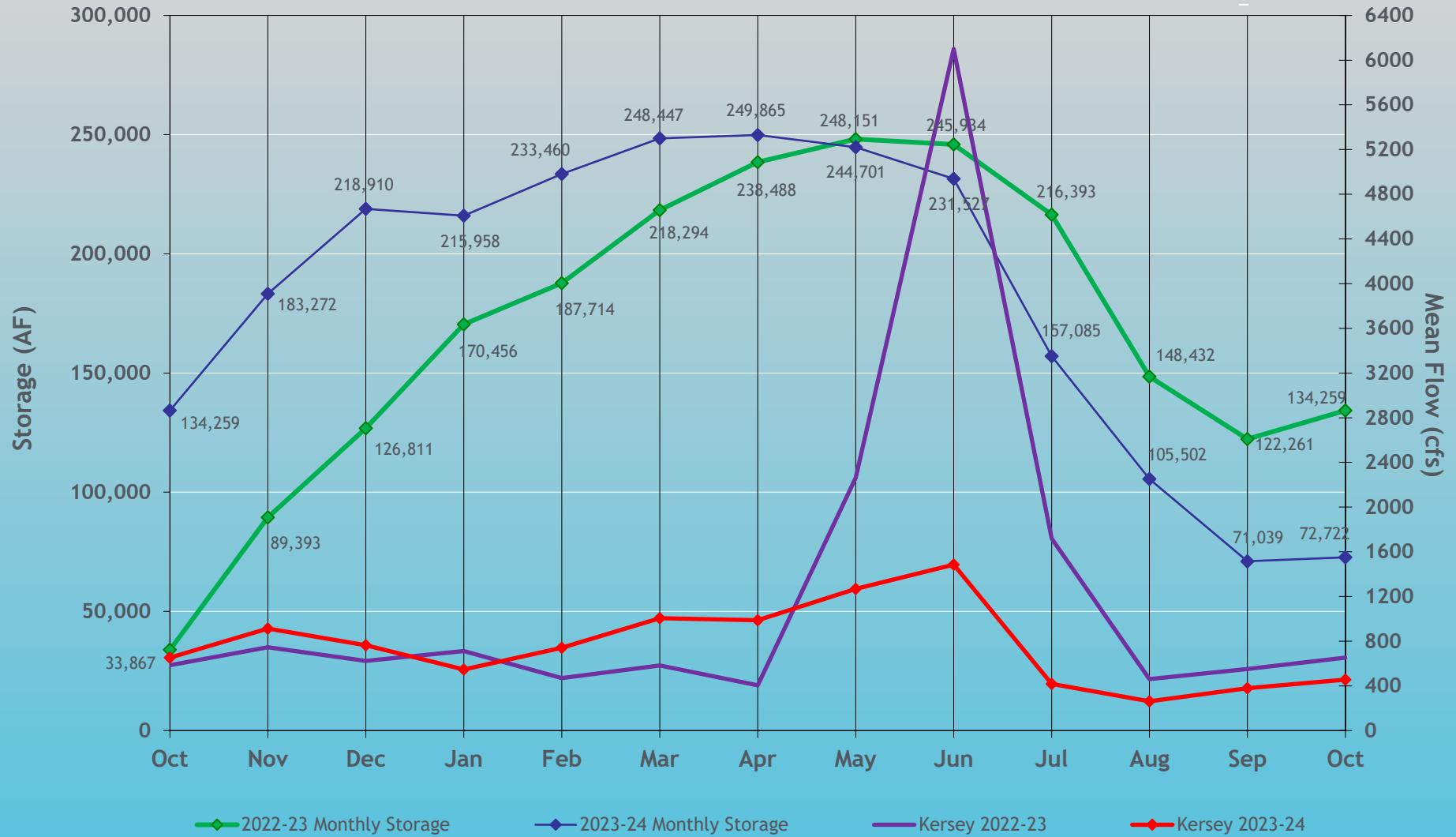
2022-2023 Mean Flow

*1901-2021



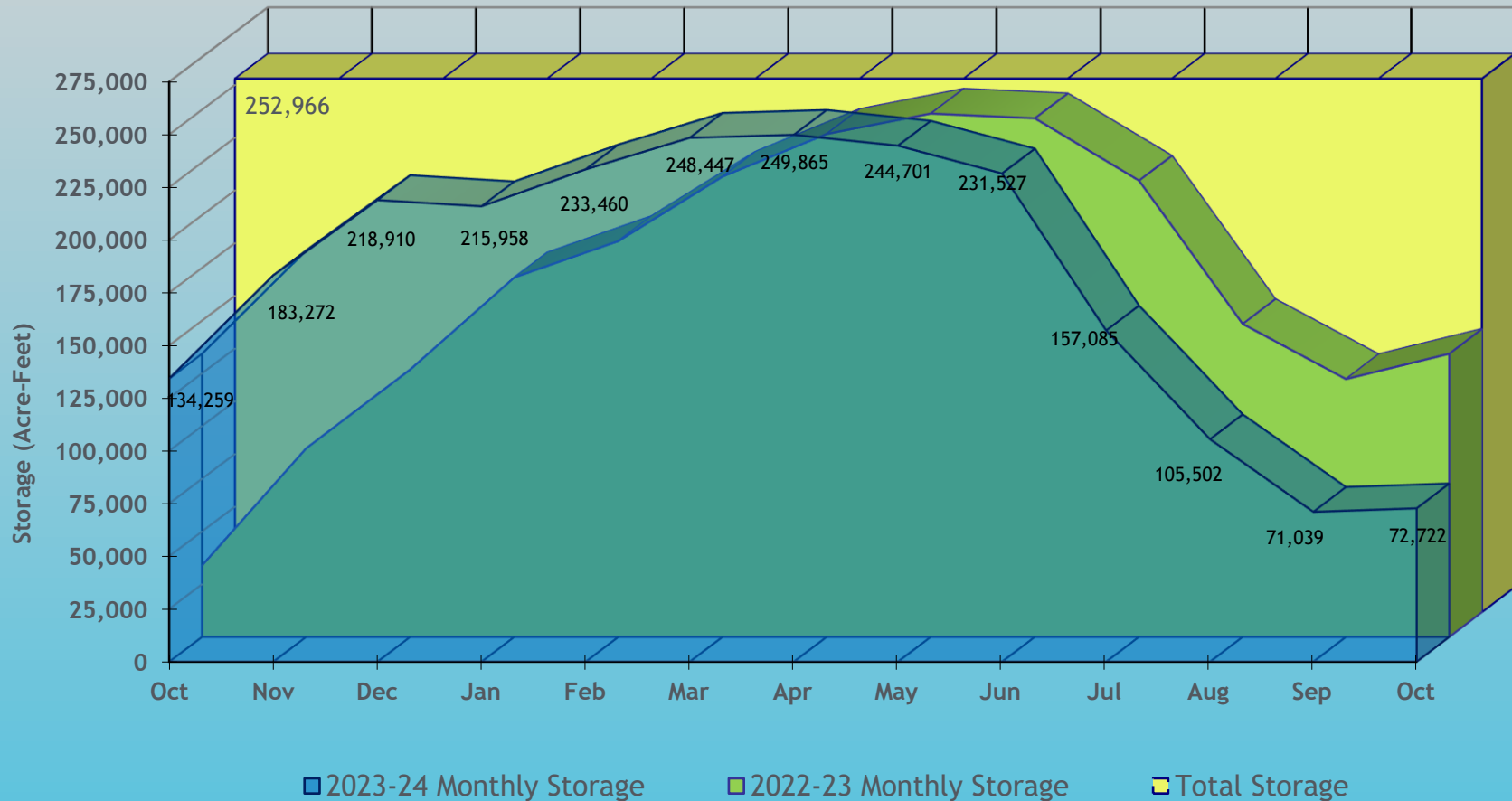
Reservoir Storage below Kersey

Selected Reservoirs*

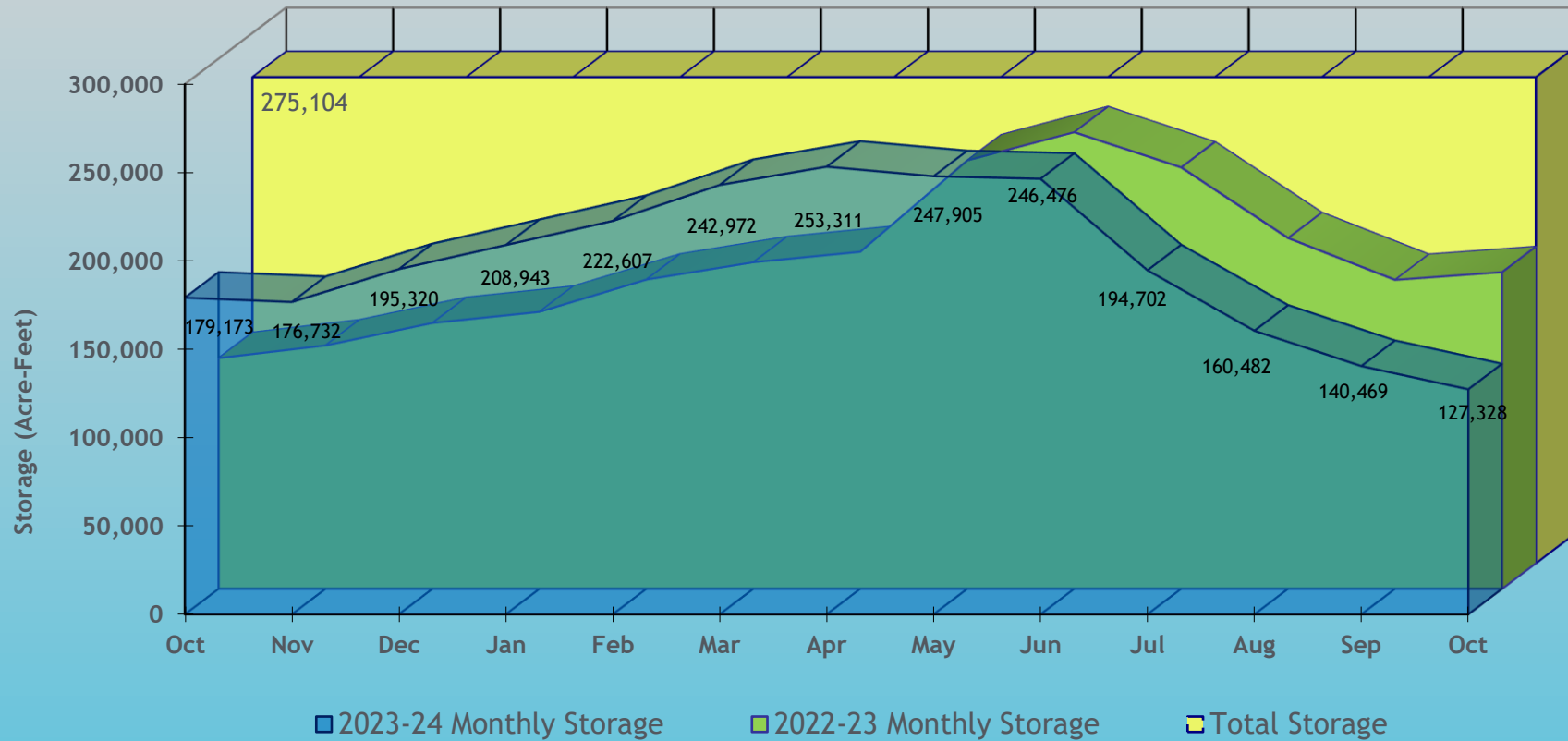


*Empire, Riverside, Jackson, Prewitt, North Sterling, & Julesburg

South Platte Reservoir Storage below Kersey*



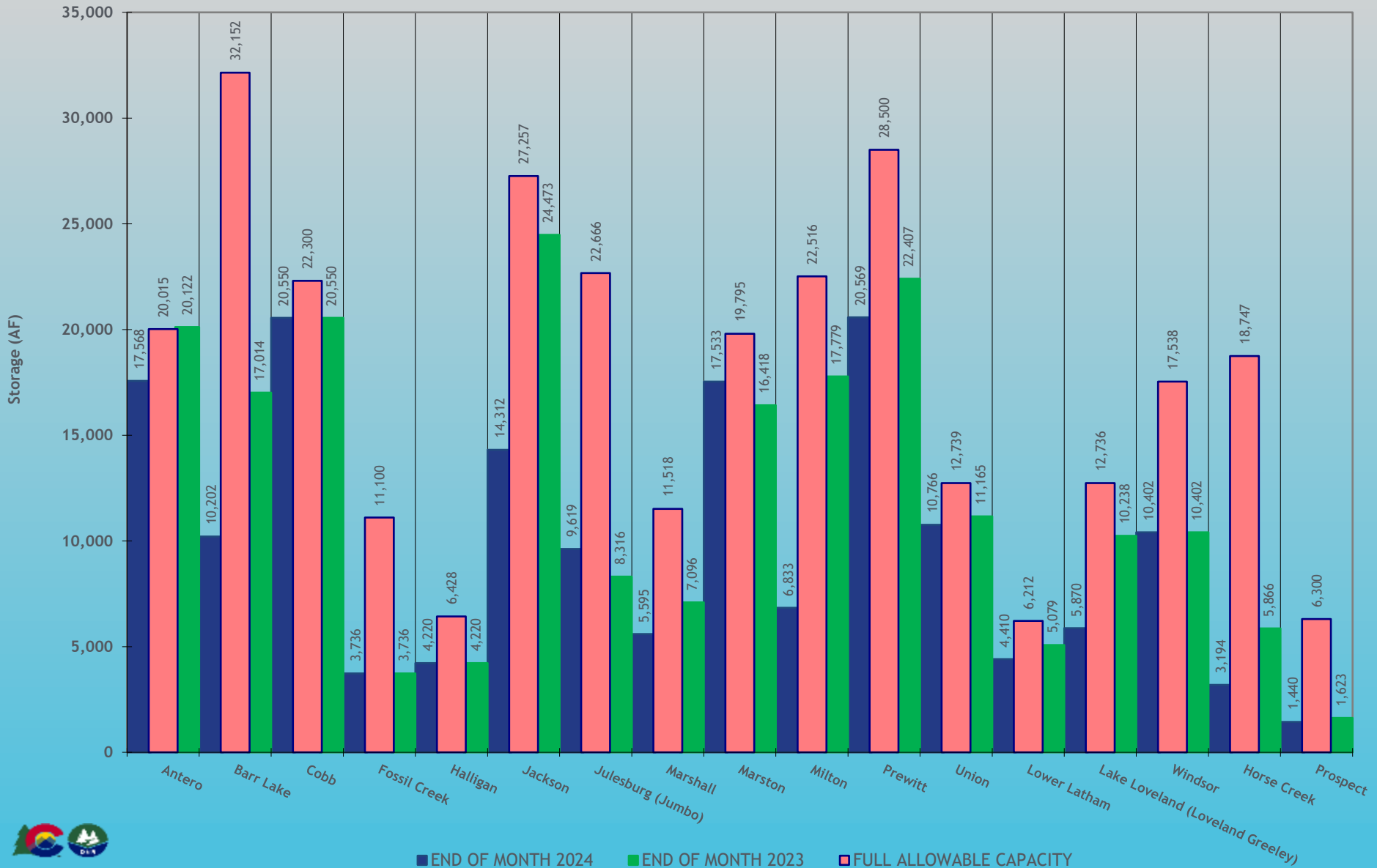
South Platte Reservoir Storage above Kersey*



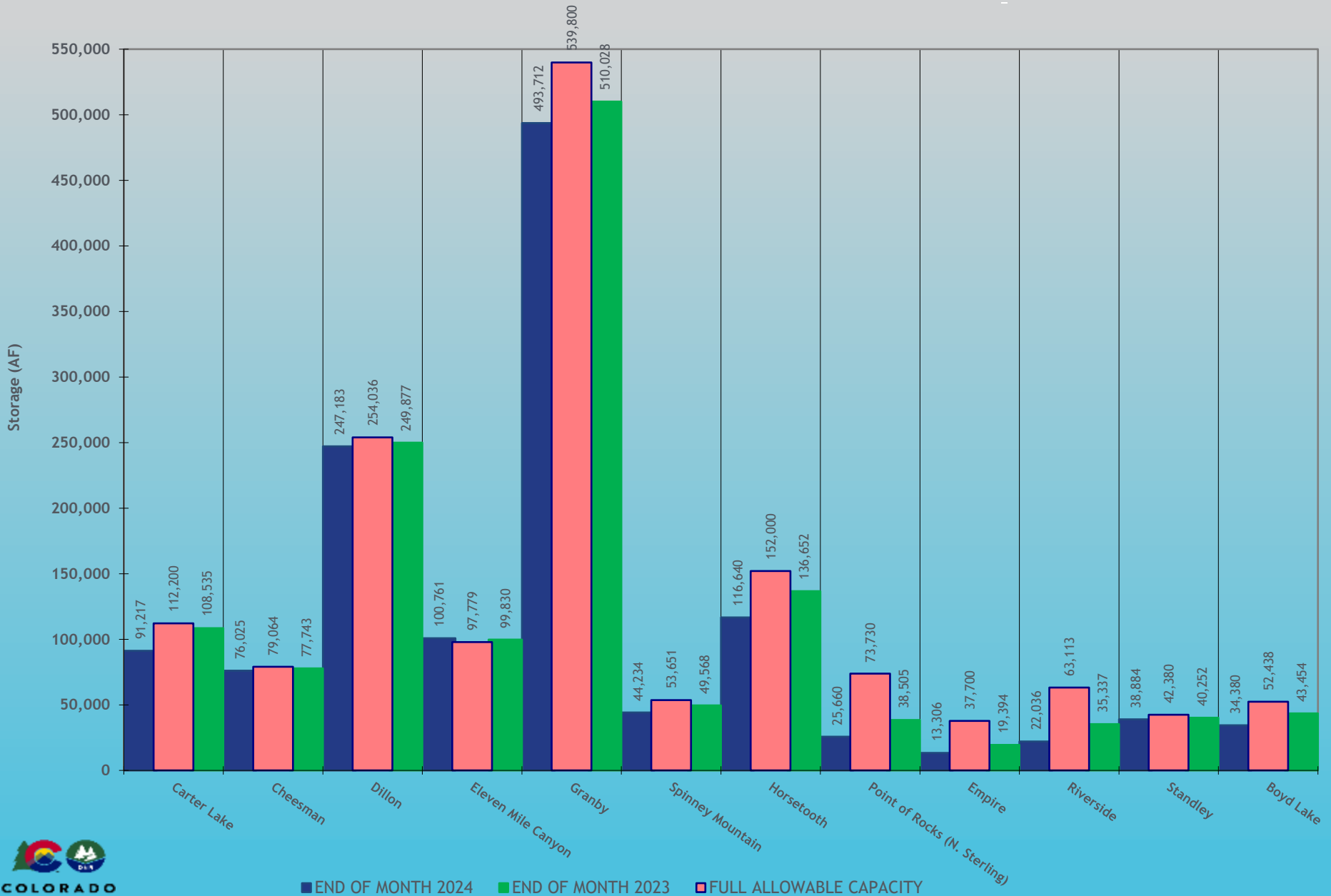
*Barr, Cobb, Fossil Crk, Halligan, Marshall, Milton, Union, Standley, Lower Latham, Boyd, Loveland, Windsor, Horse Crk, & Prospect



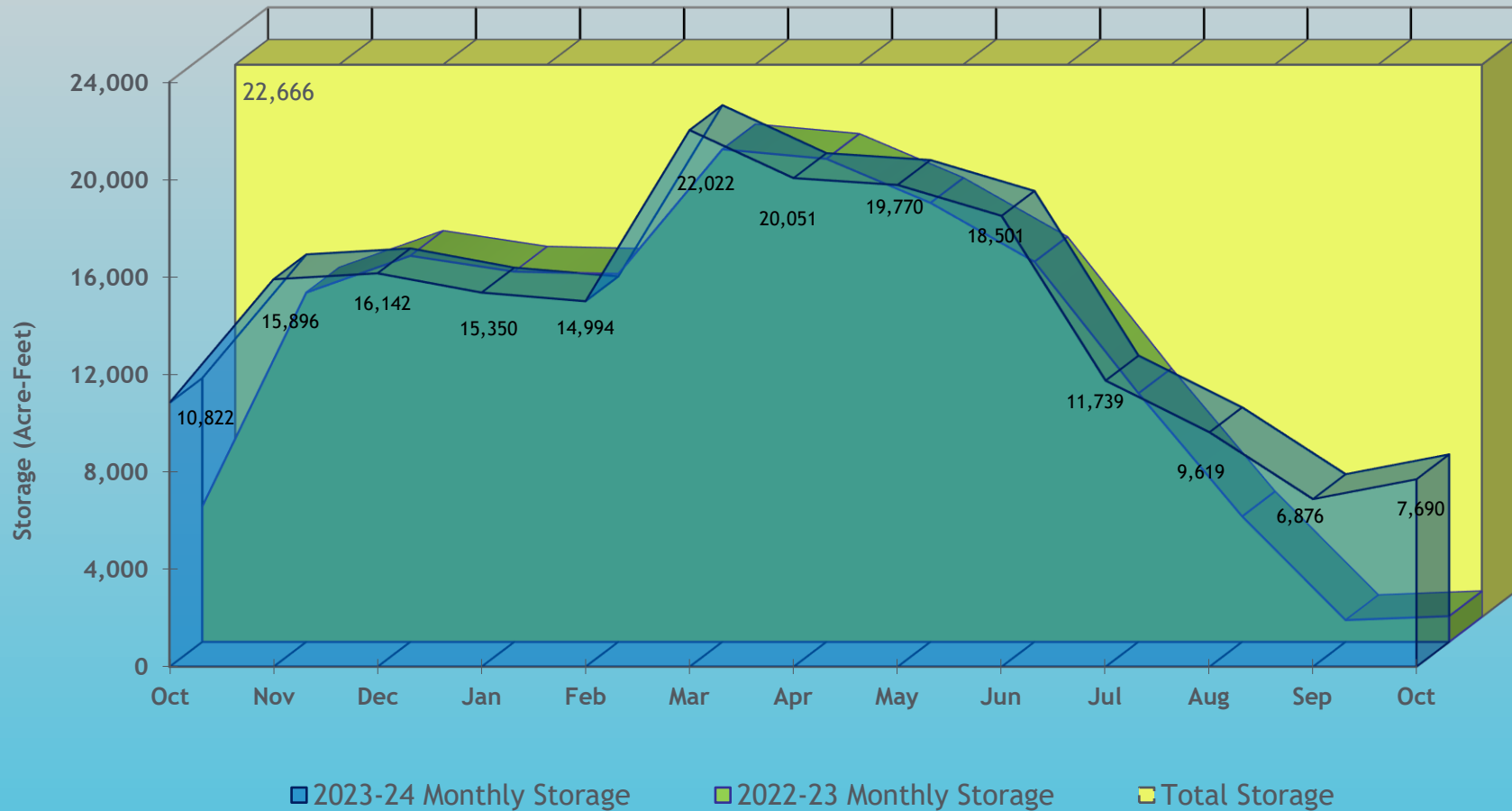
October Reservoir Change in Storage IY2023 versus IY2024



October Reservoir Change in Storage IY2023 versus IY2024



Julesburg Reservoir (District 64 - Agricultural)

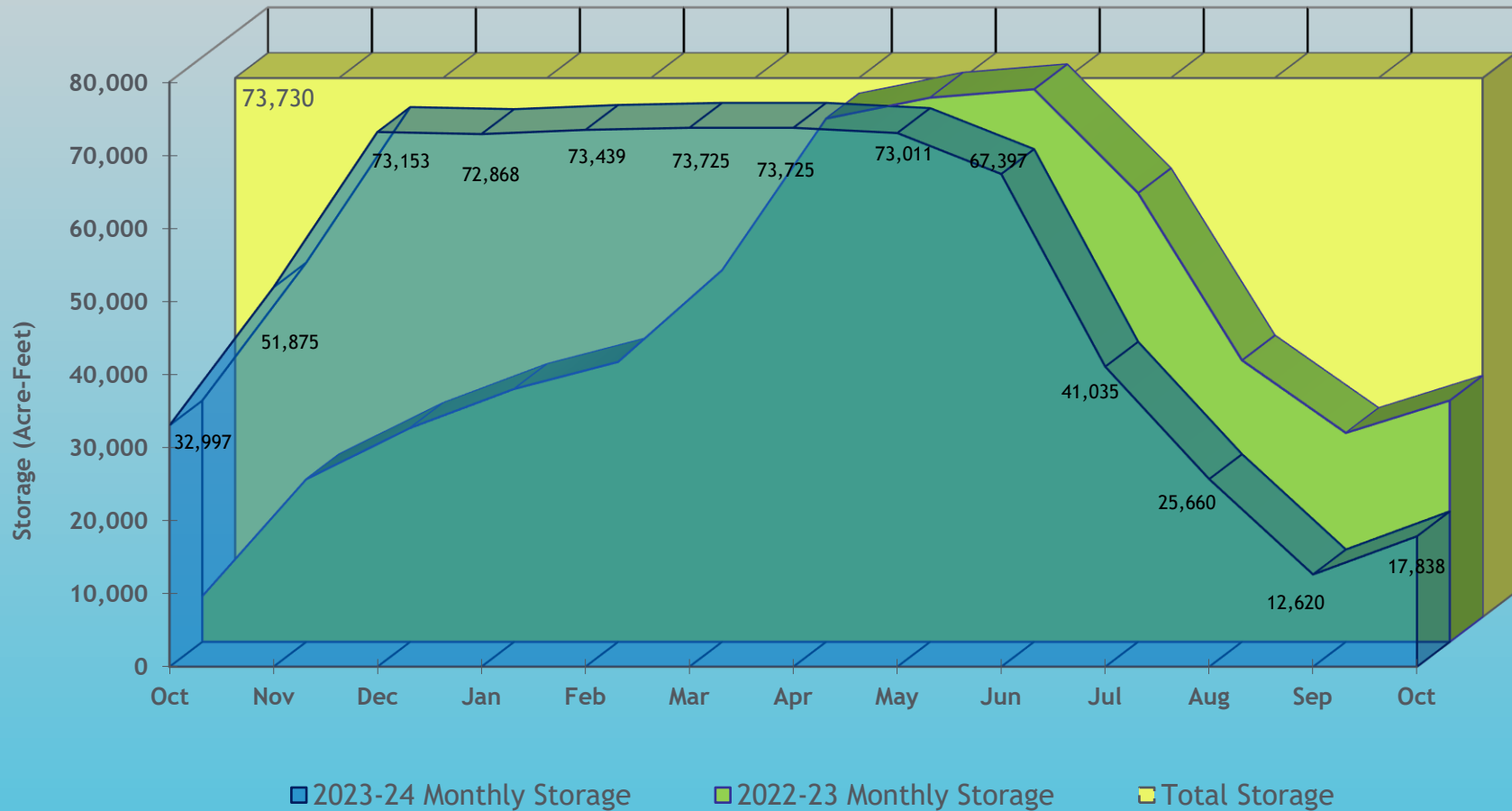


2023-24 Monthly Storage

2022-23 Monthly Storage

Total Storage

North Sterling Reservoir (District 64 - Agricultural)

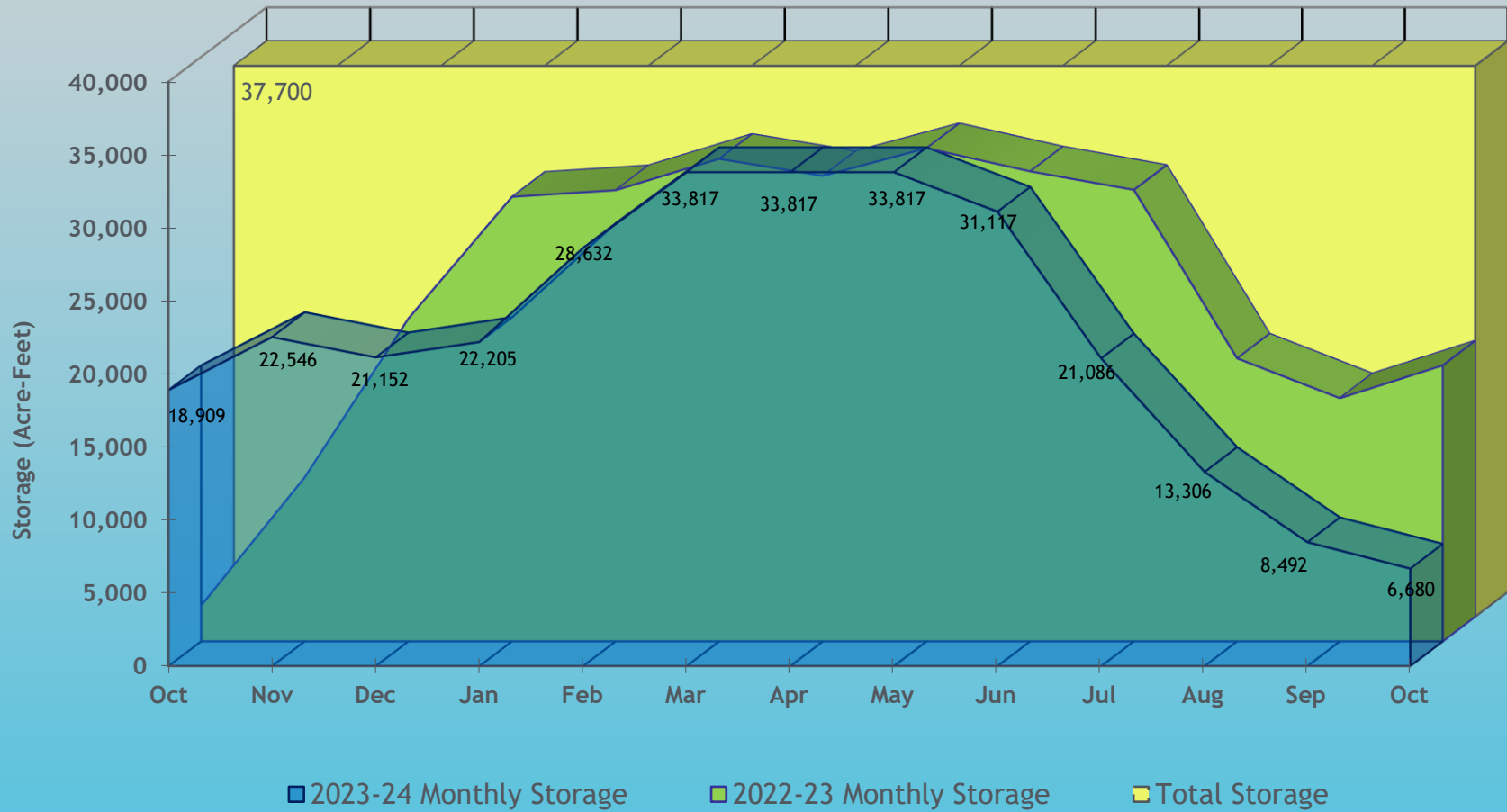


2023-24 Monthly Storage

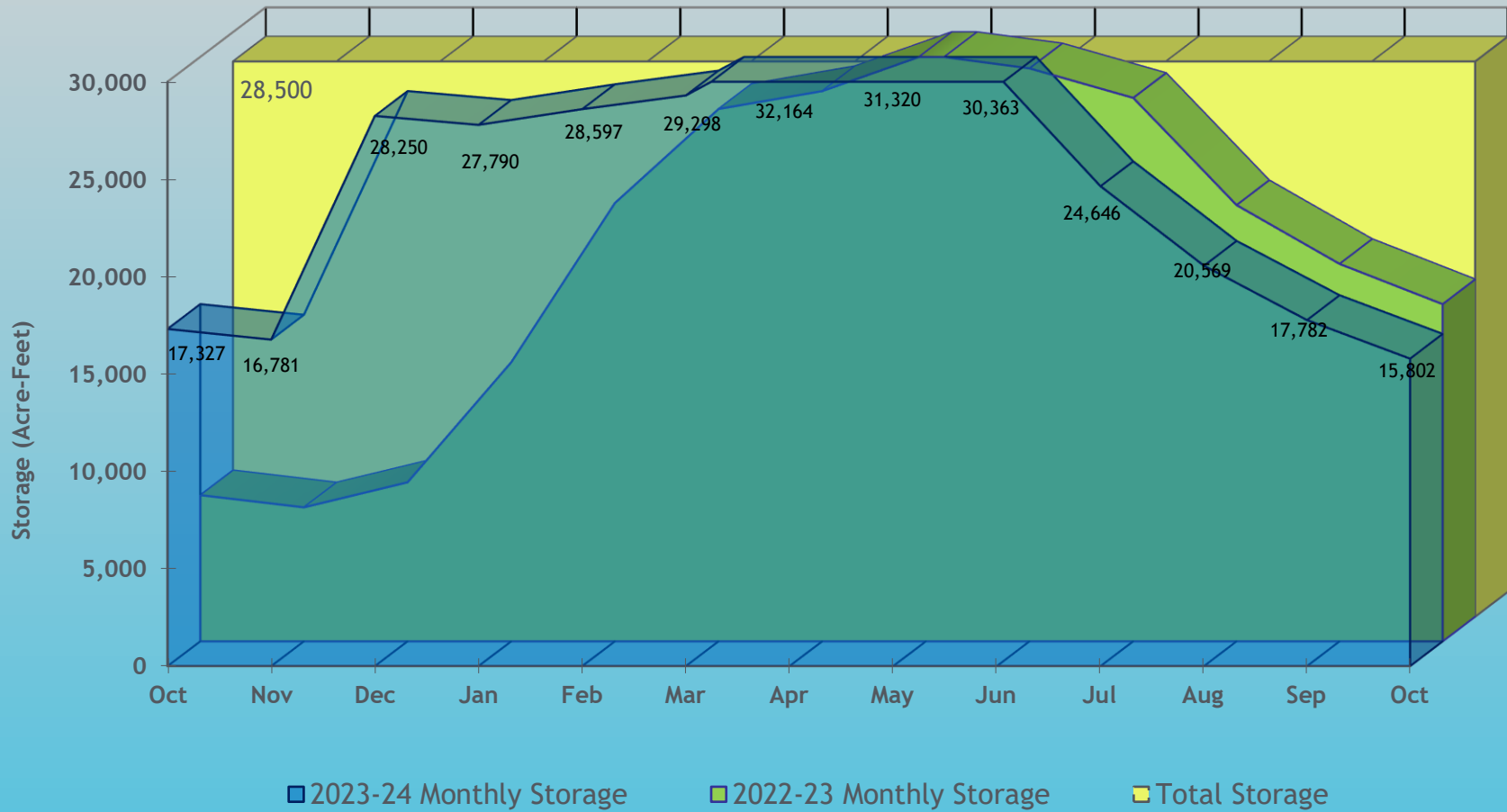
2022-23 Monthly Storage

Total Storage

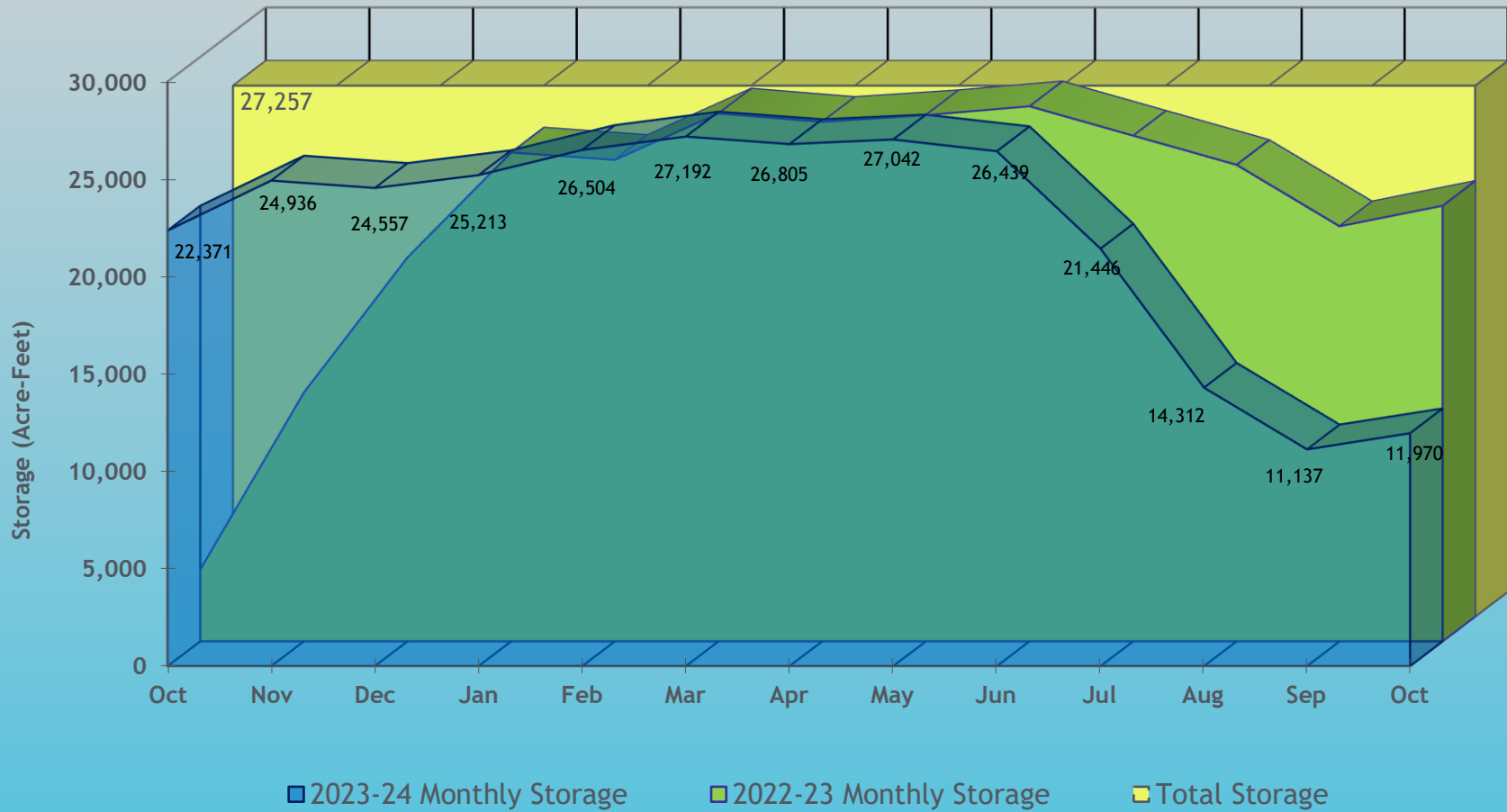
Empire Reservoir (District 1 - Agricultural)



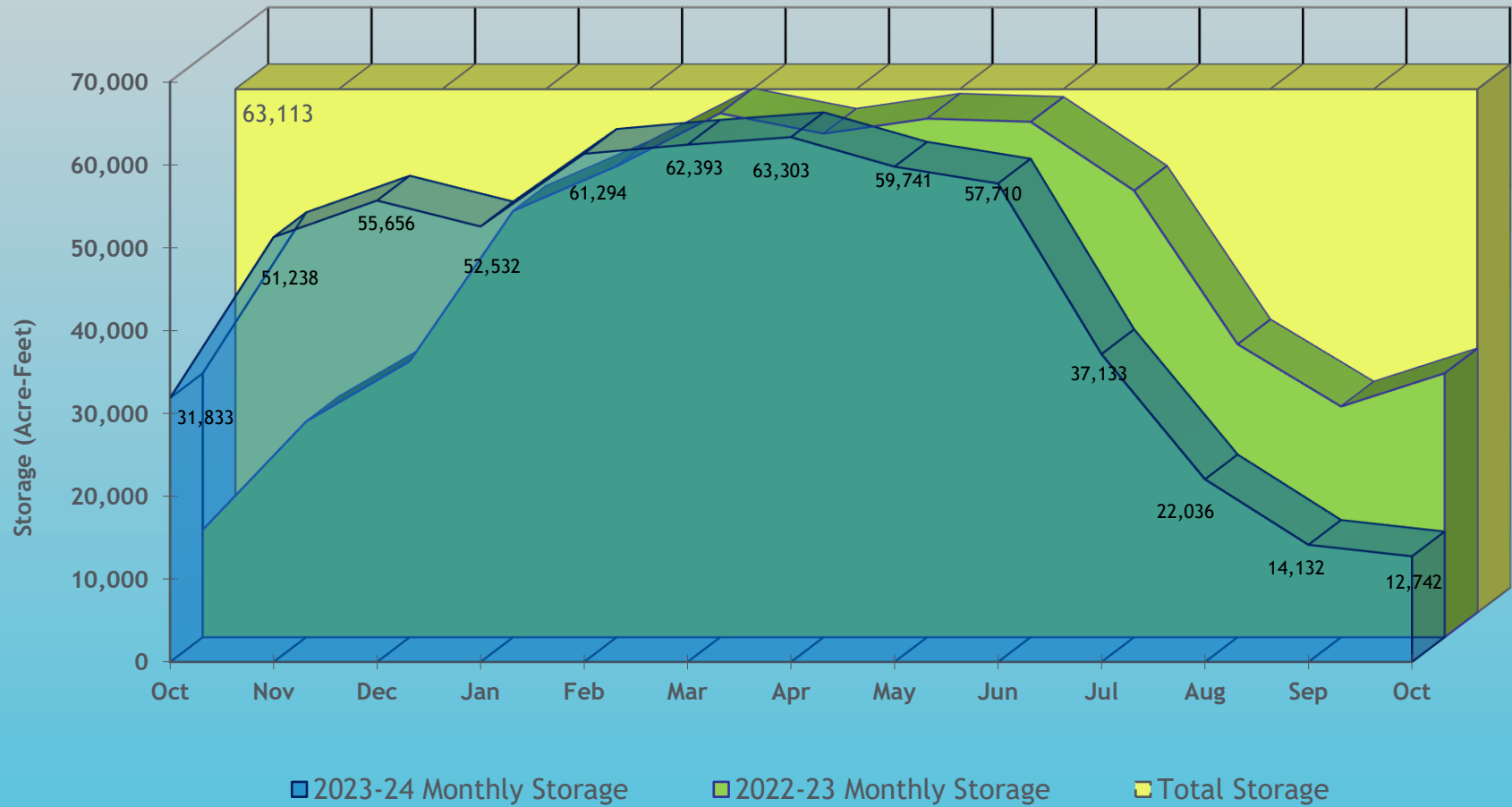
Prewitt Reservoir (District 64 - Agricultural)



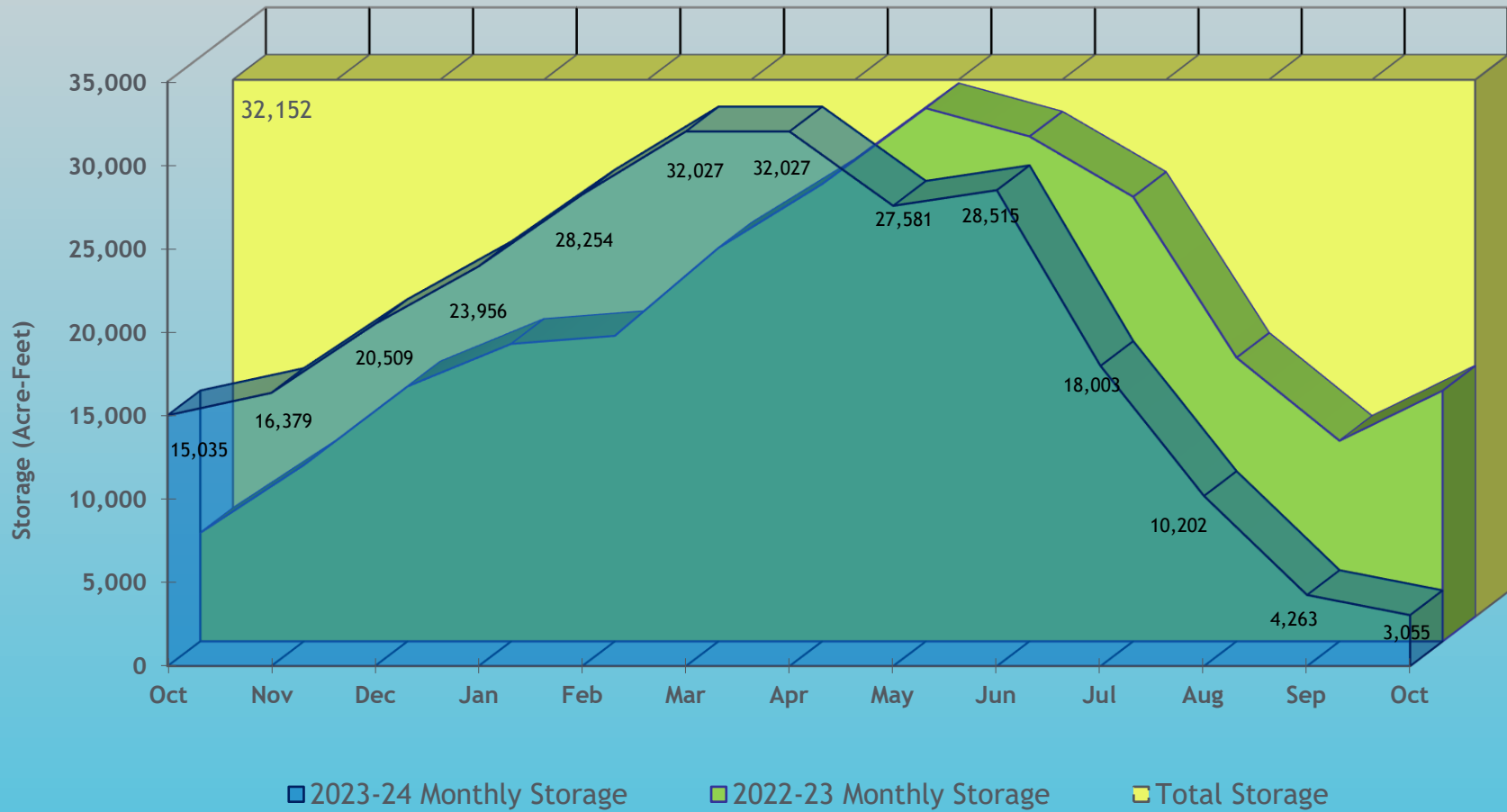
Jackson Reservoir (District 1 - Agricultural)



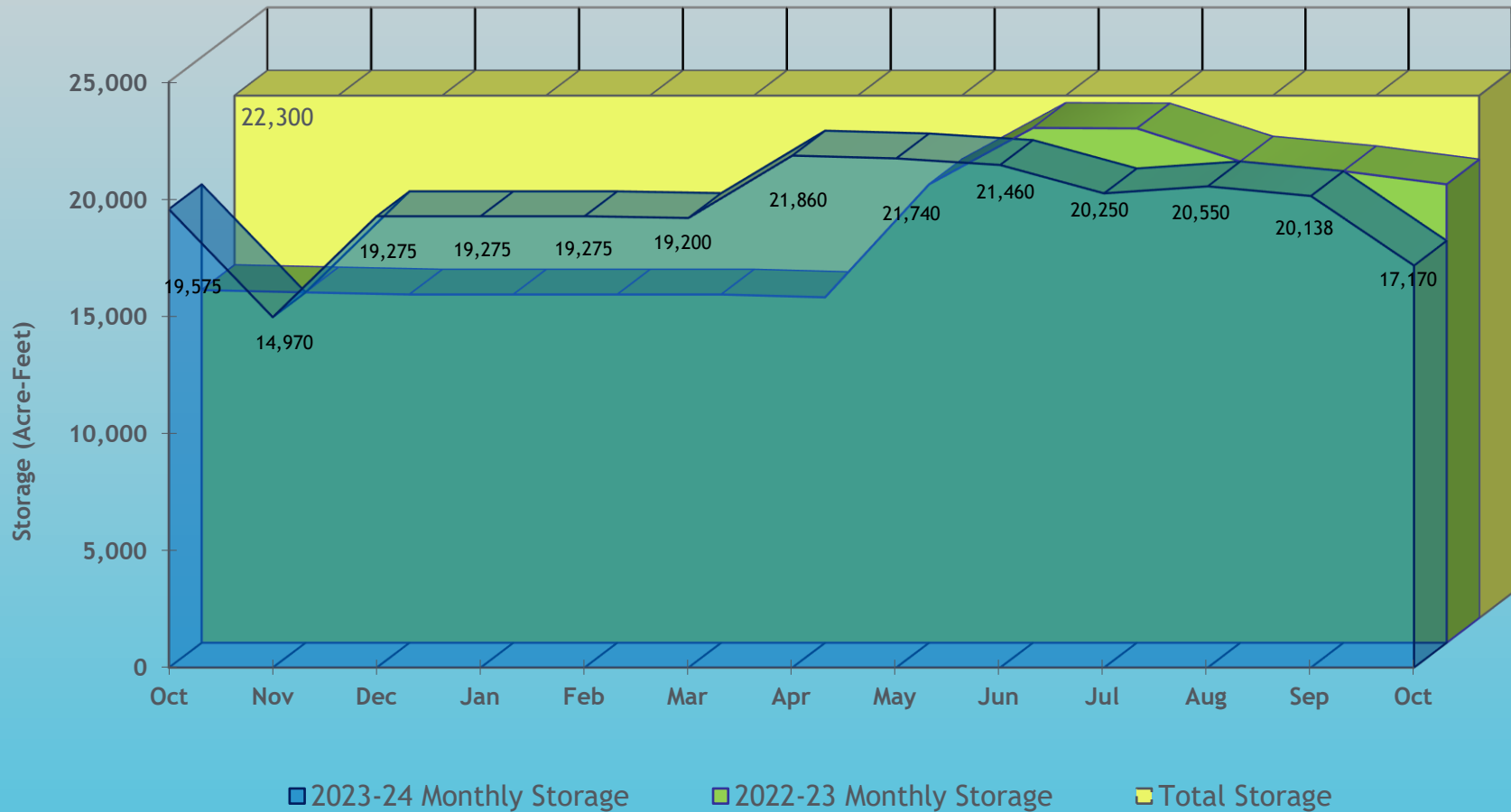
Riverside Reservoir (District 1 - Agricultural)



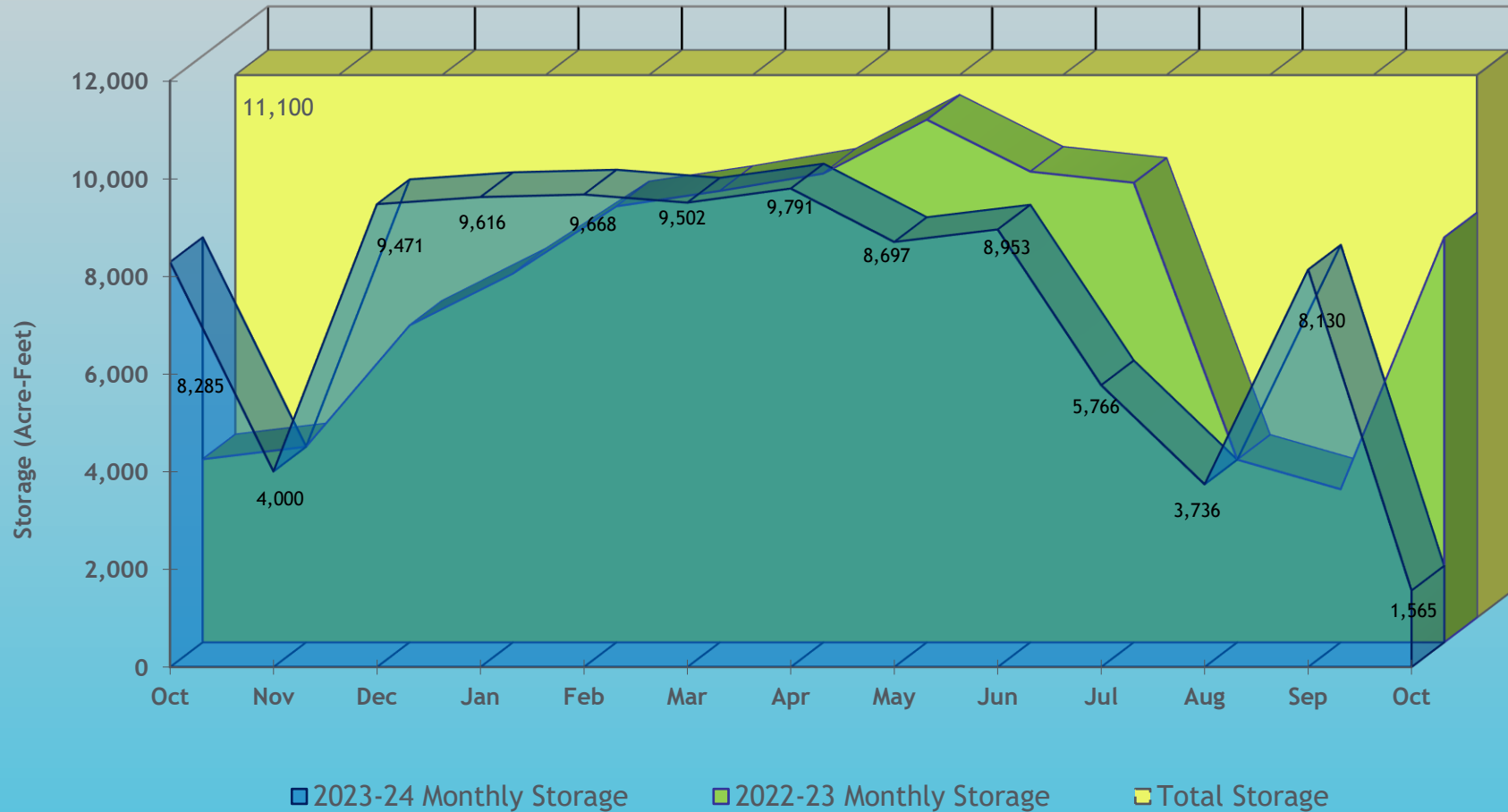
Barr Reservoir (District 2 - Agricultural)



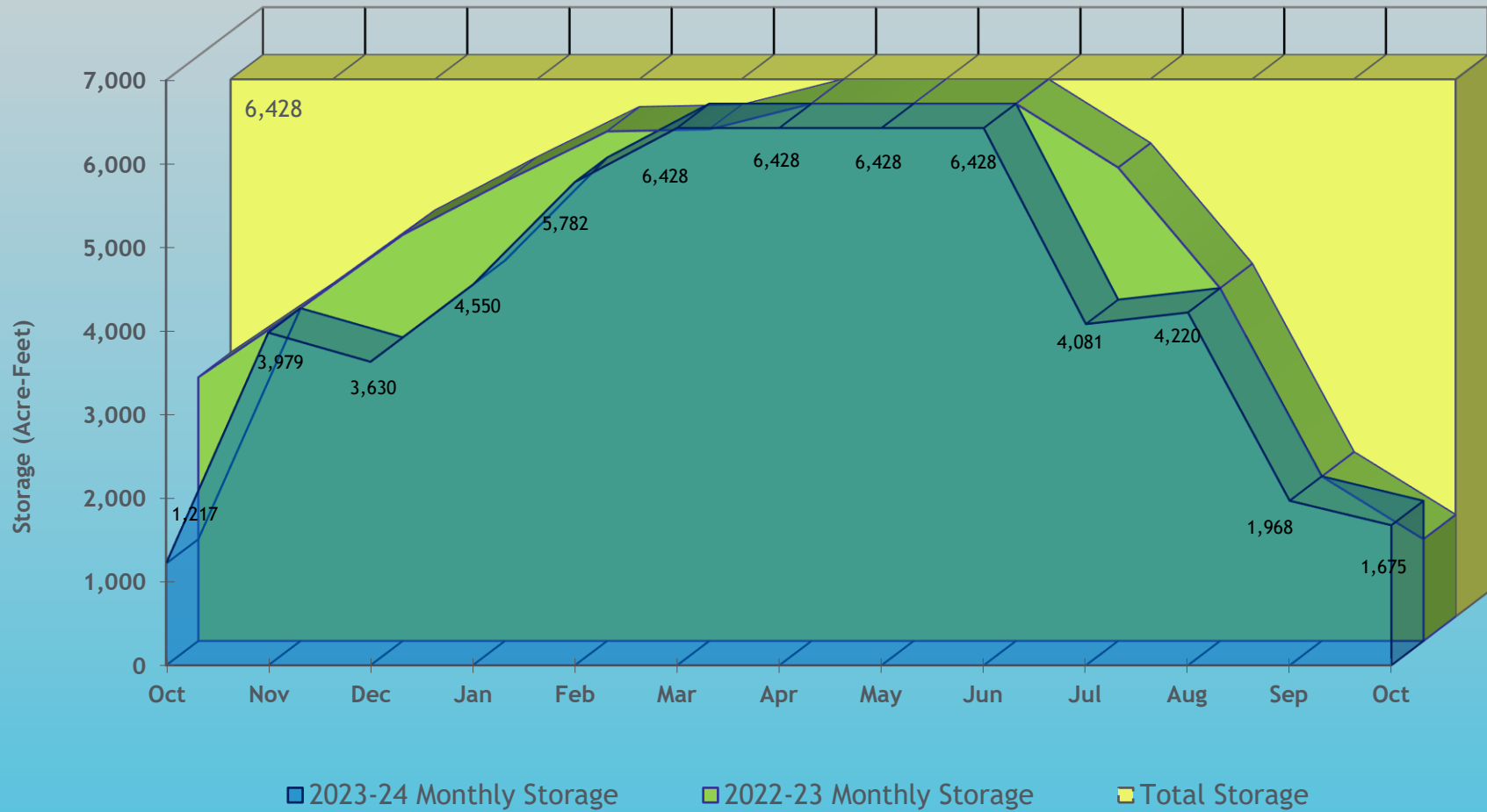
Cobb Reservoir (District 3, Poudre River - Agricultural)



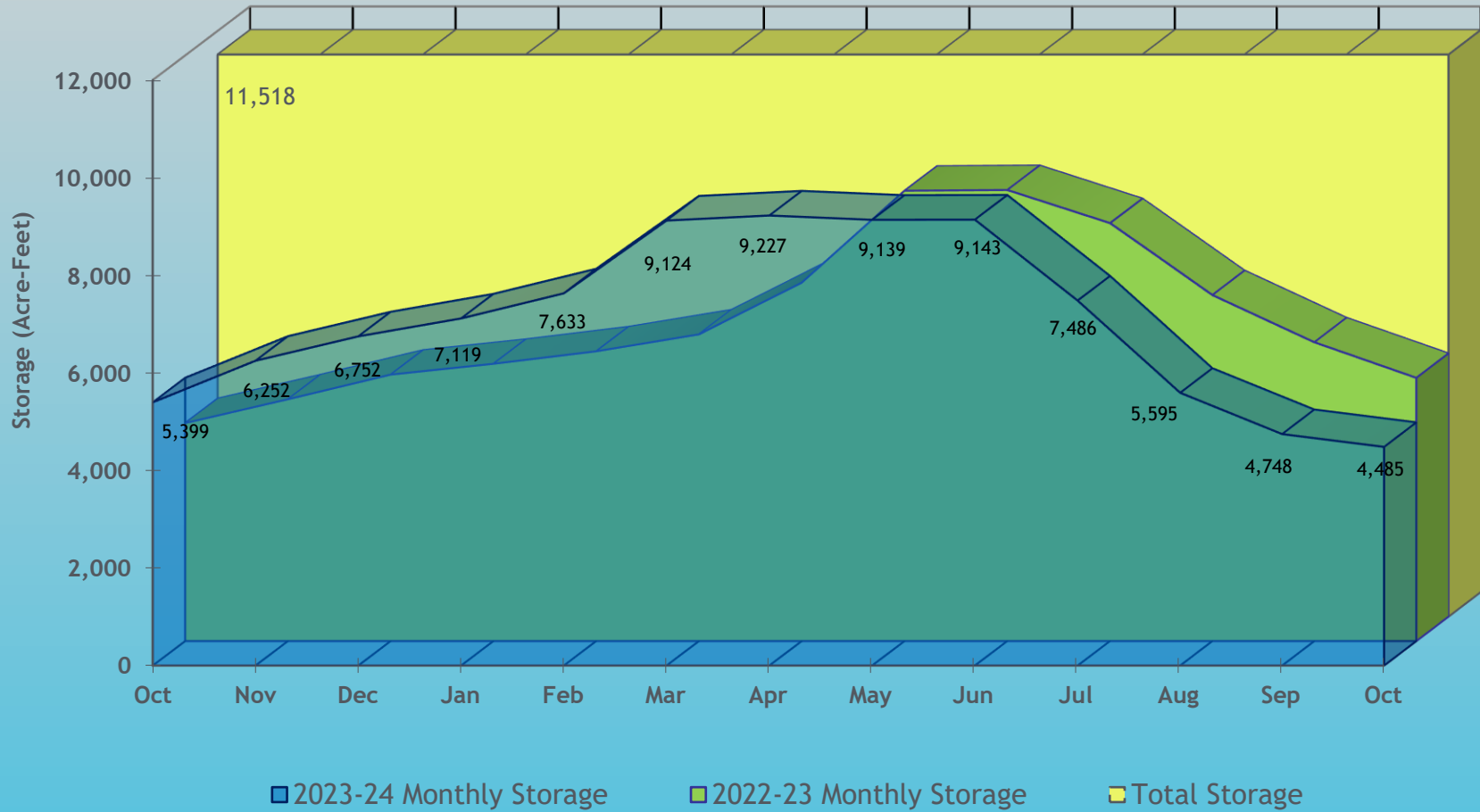
Fossil Creek Reservoir (District 3, Poudre River - Agricultural)



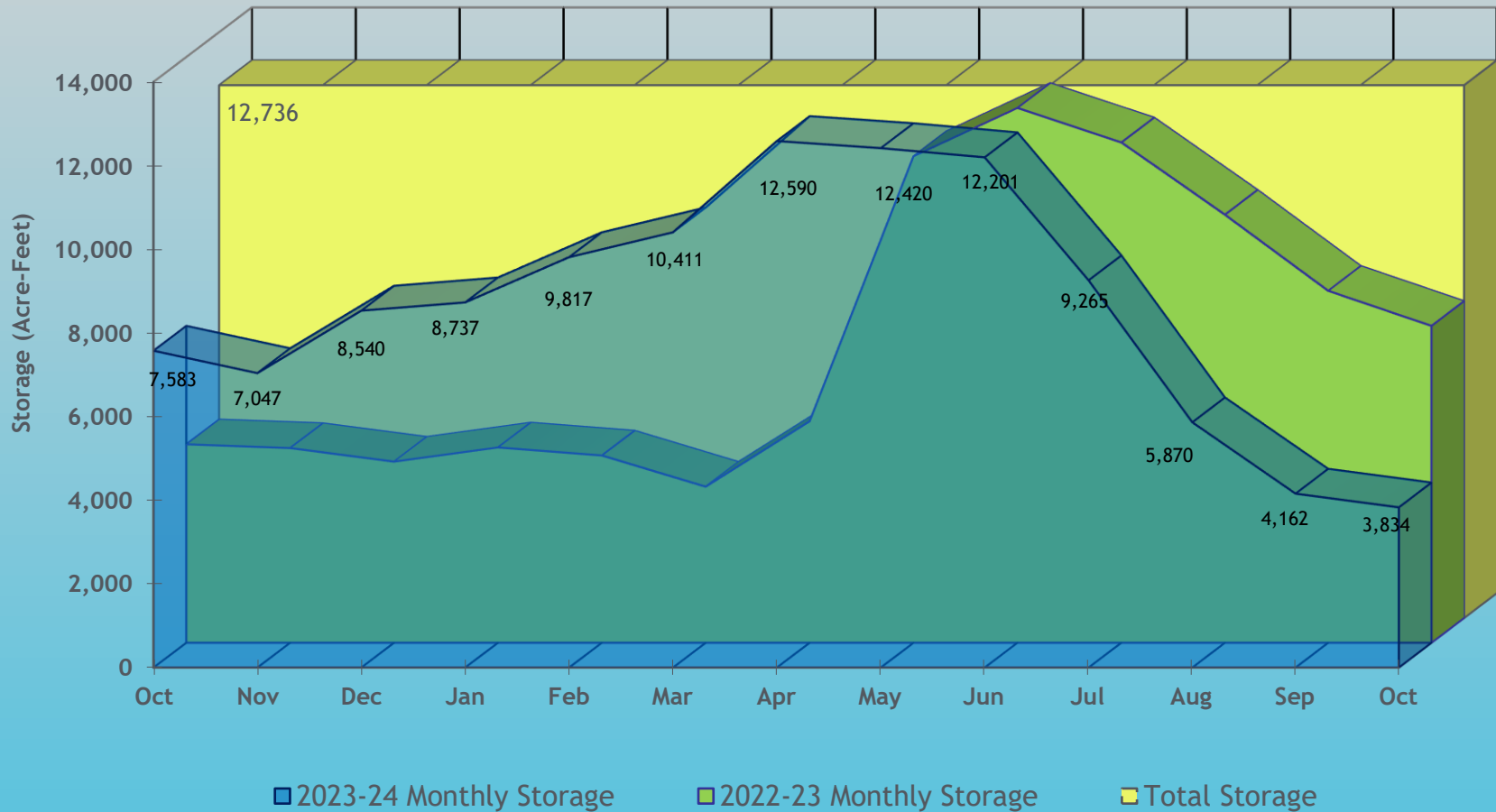
Halligan Reservoir (District 3, Poudre River - Agricultural)



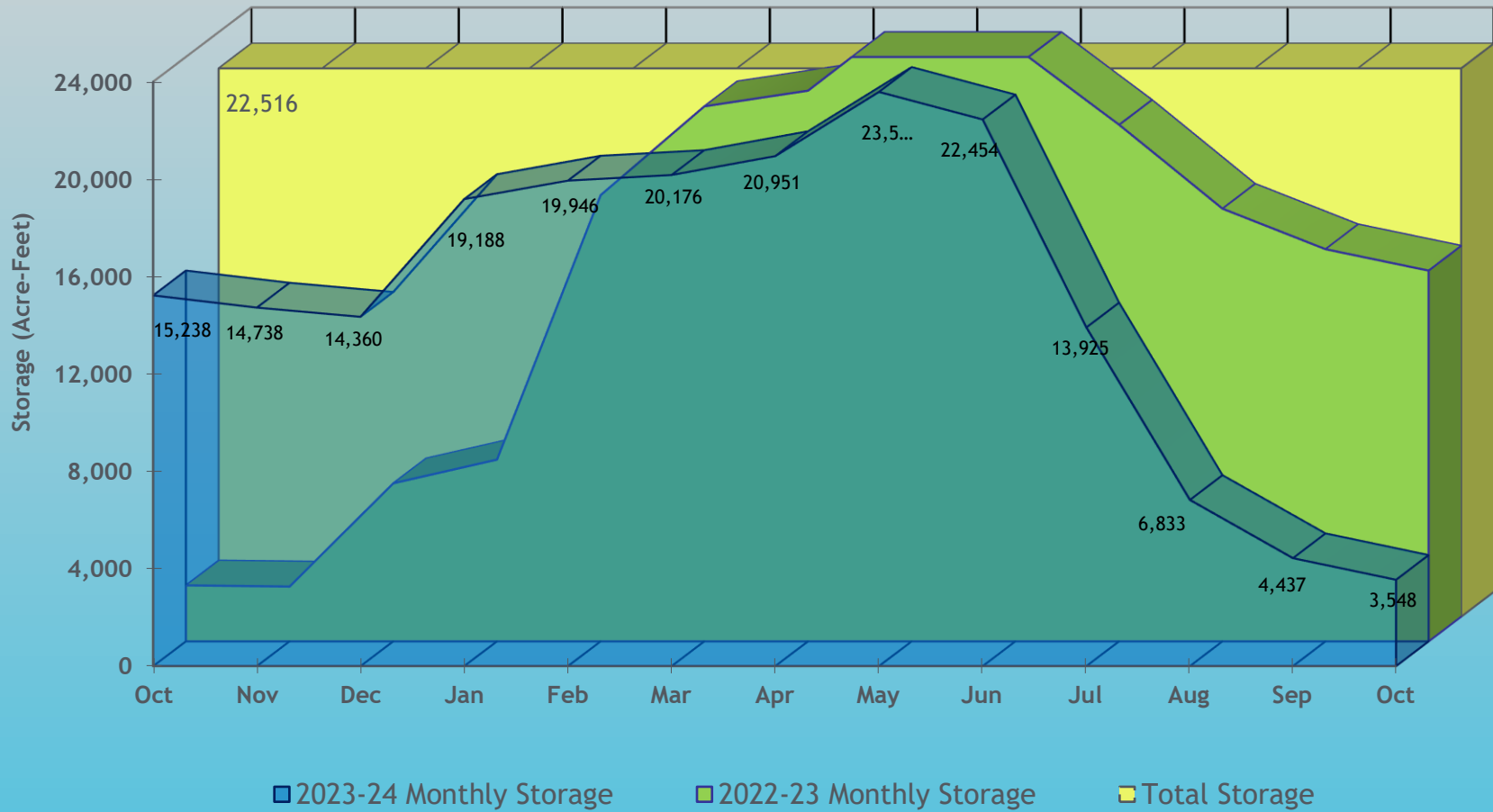
Marshall Lake (District 6, Boulder Creek - Agricultural)



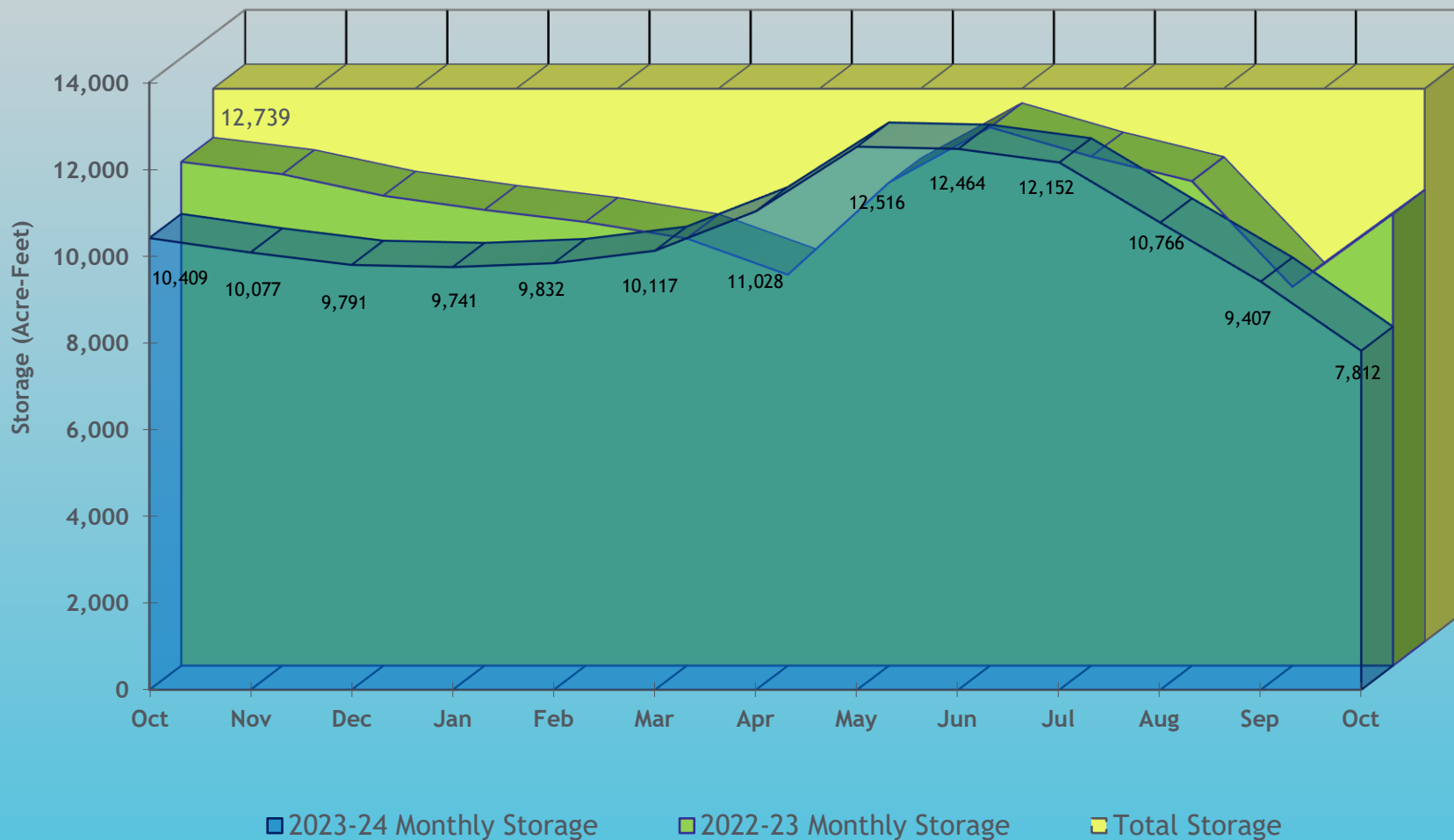
Loveland Greeley Reservoir (District 4, Big Thompson River - Agricultural)



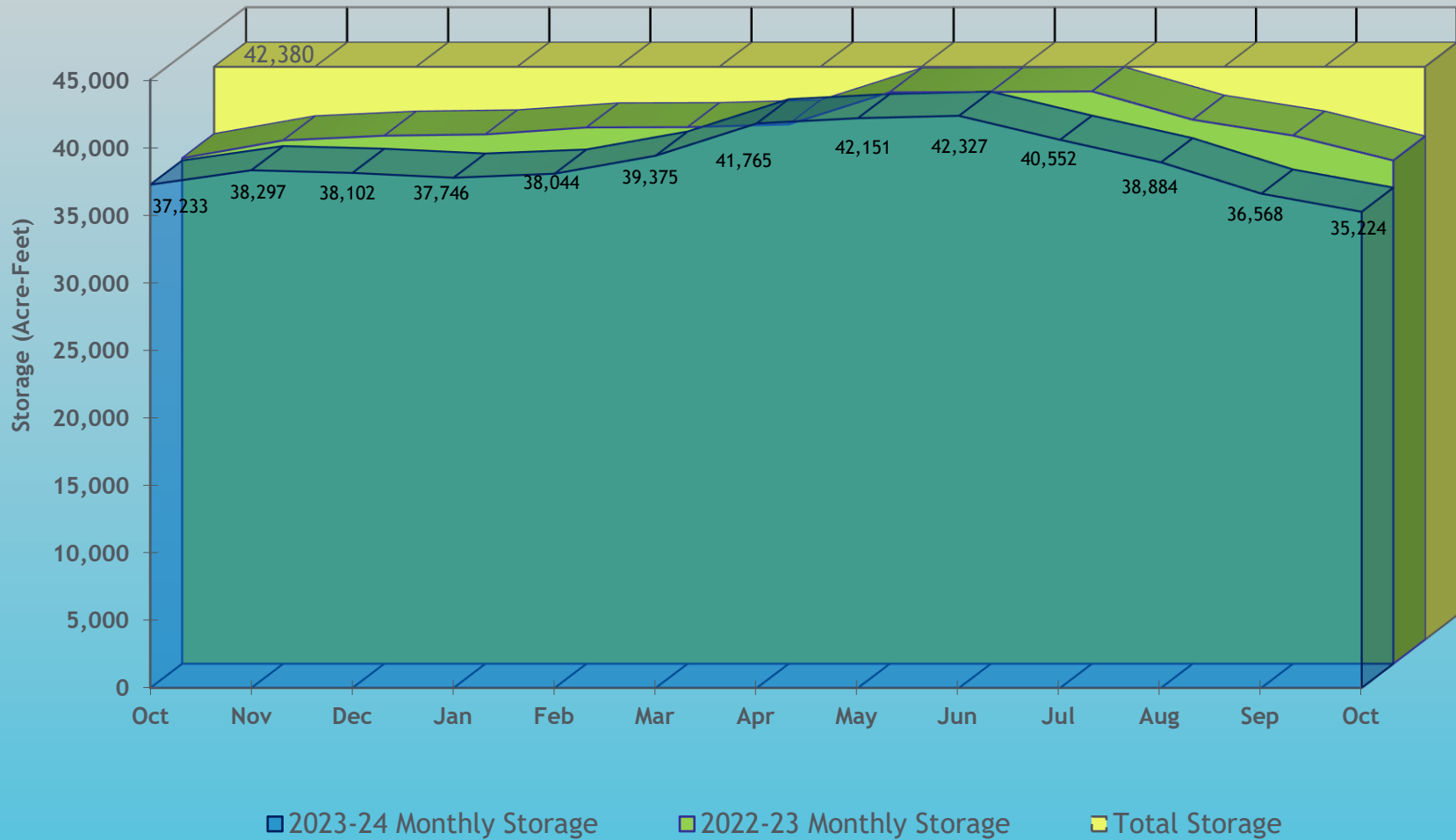
Milton Reservoir (District 2 - Agricultural)



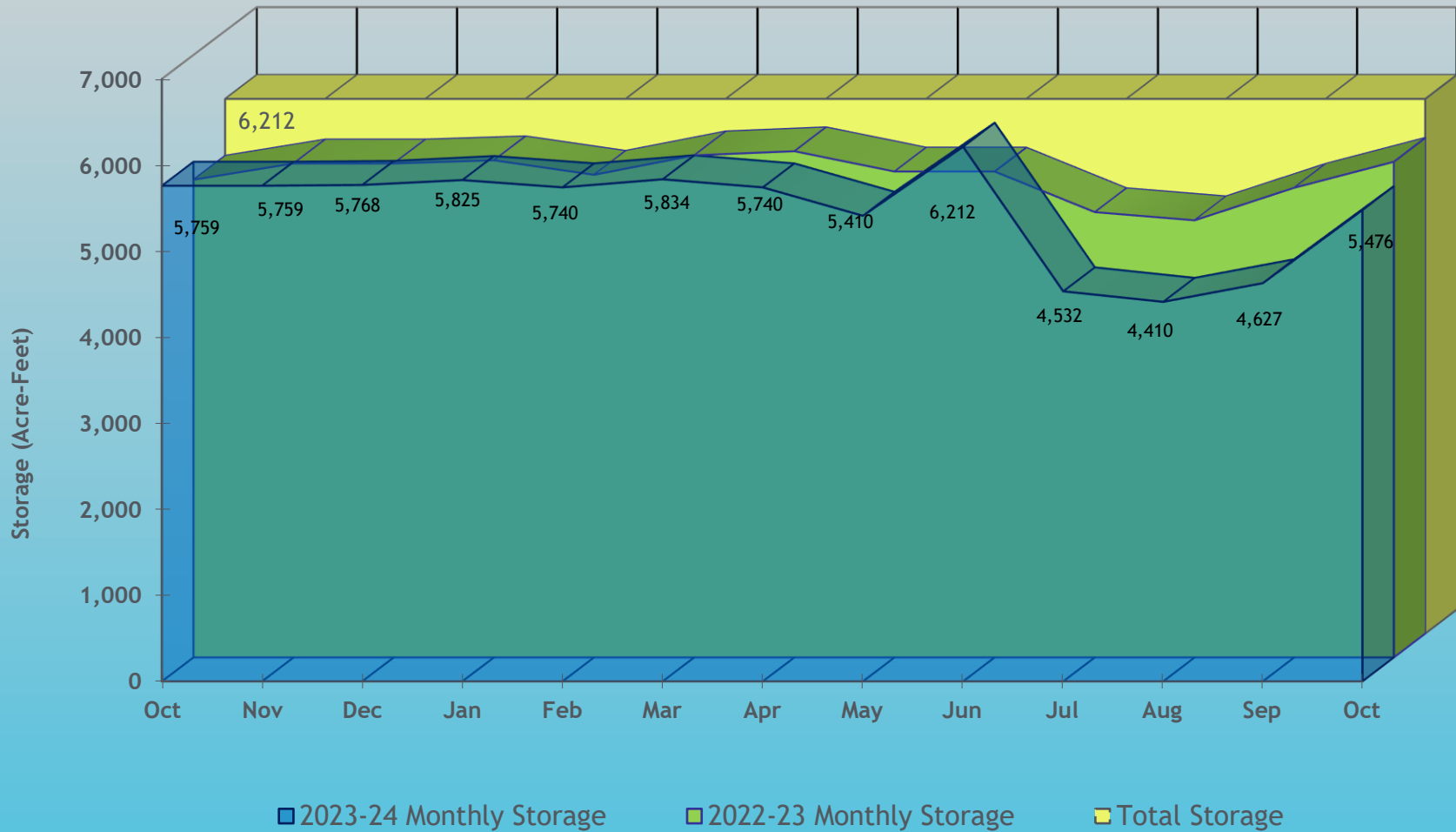
Union Reservoir (District 5, St. Vrain Creek - Agricultural)



Standley Lake (Agricultural)



Lower Latham Reservoir (District 2 - Agricultural)



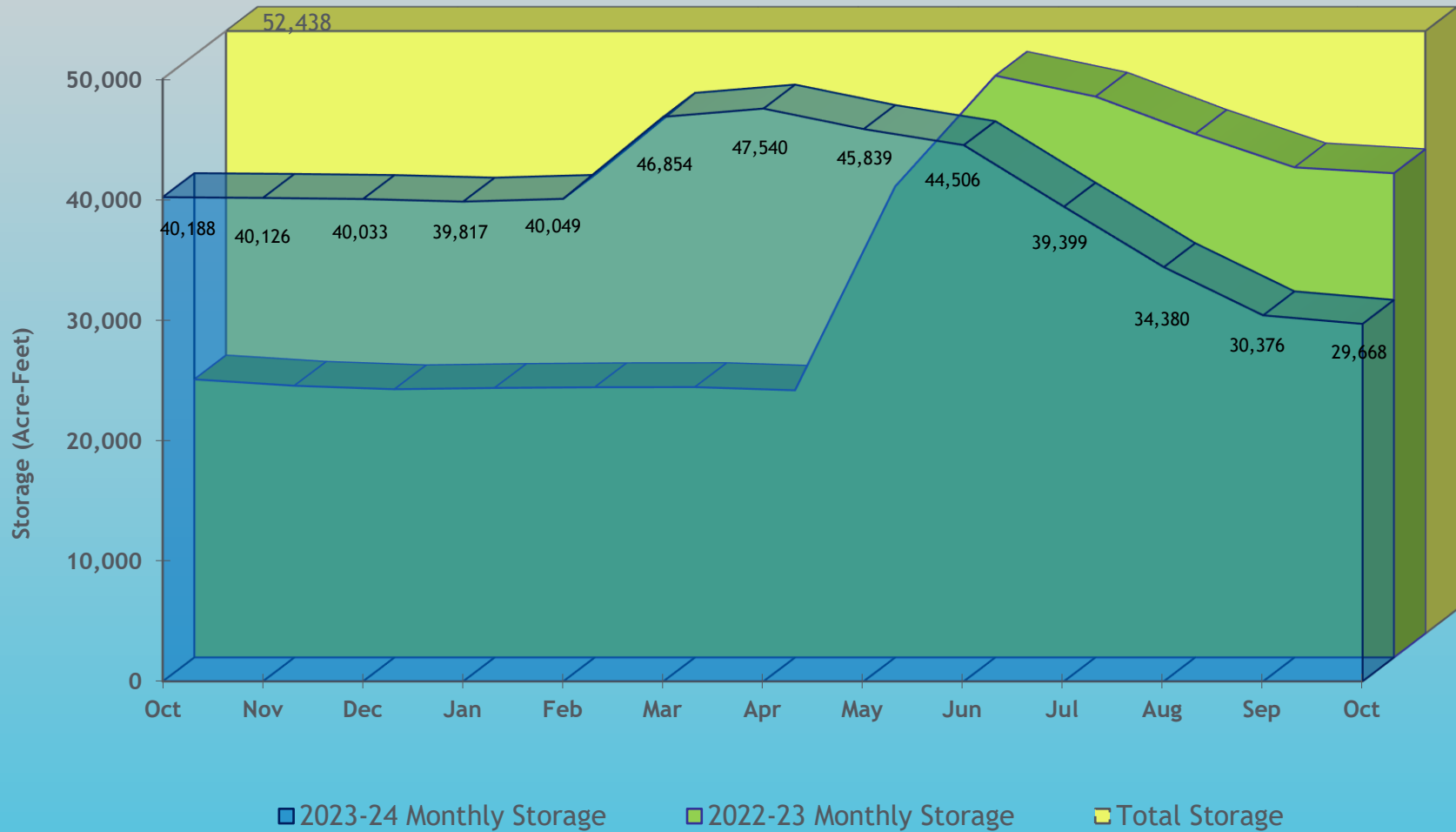
2023-24 Monthly Storage

2022-23 Monthly Storage

Total Storage

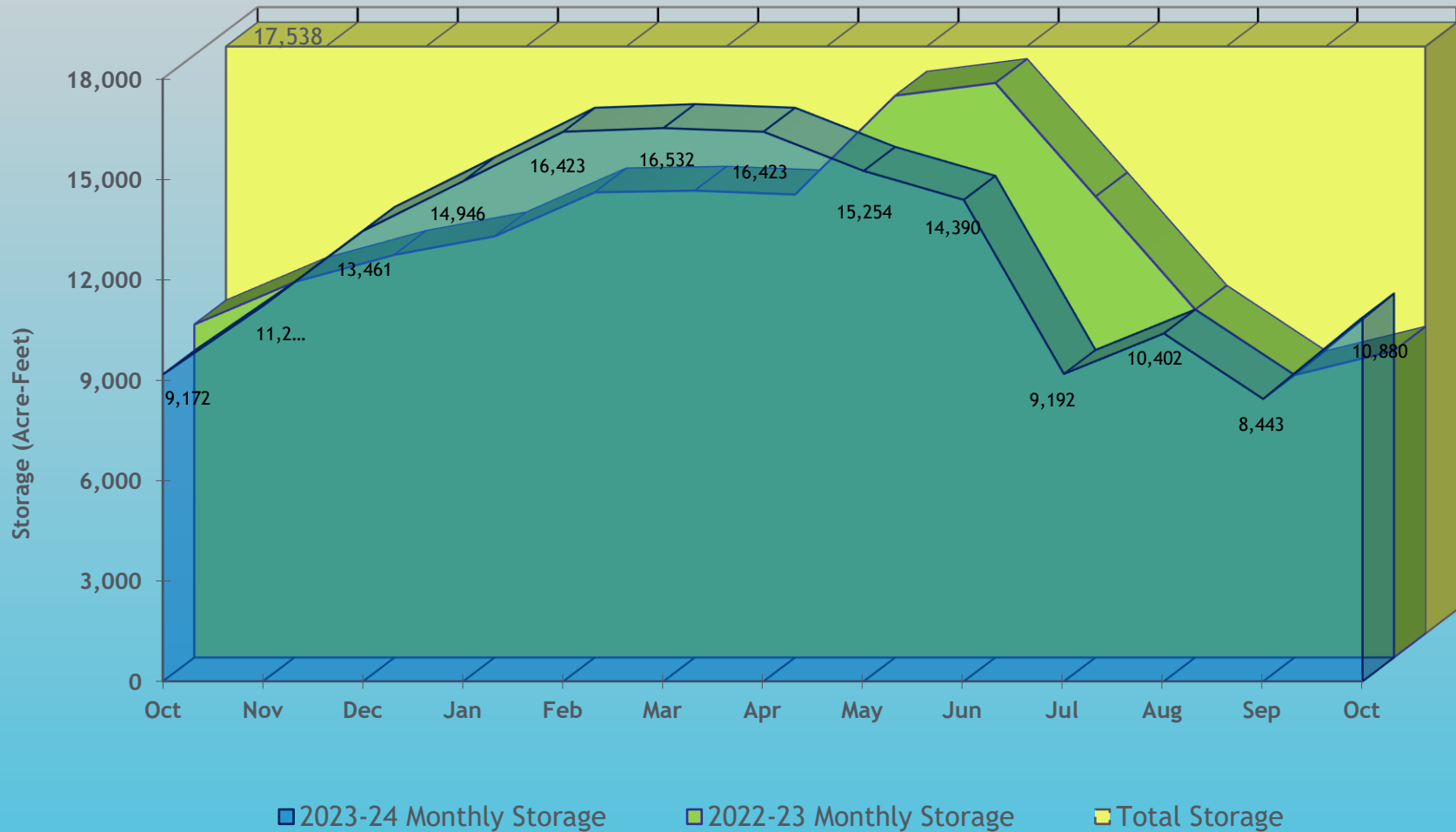
Boyd Lake

(District 4, Big Thompson River - Agricultural)



Windsor Reservoir

(District 3, Poudre River - Agricultural)

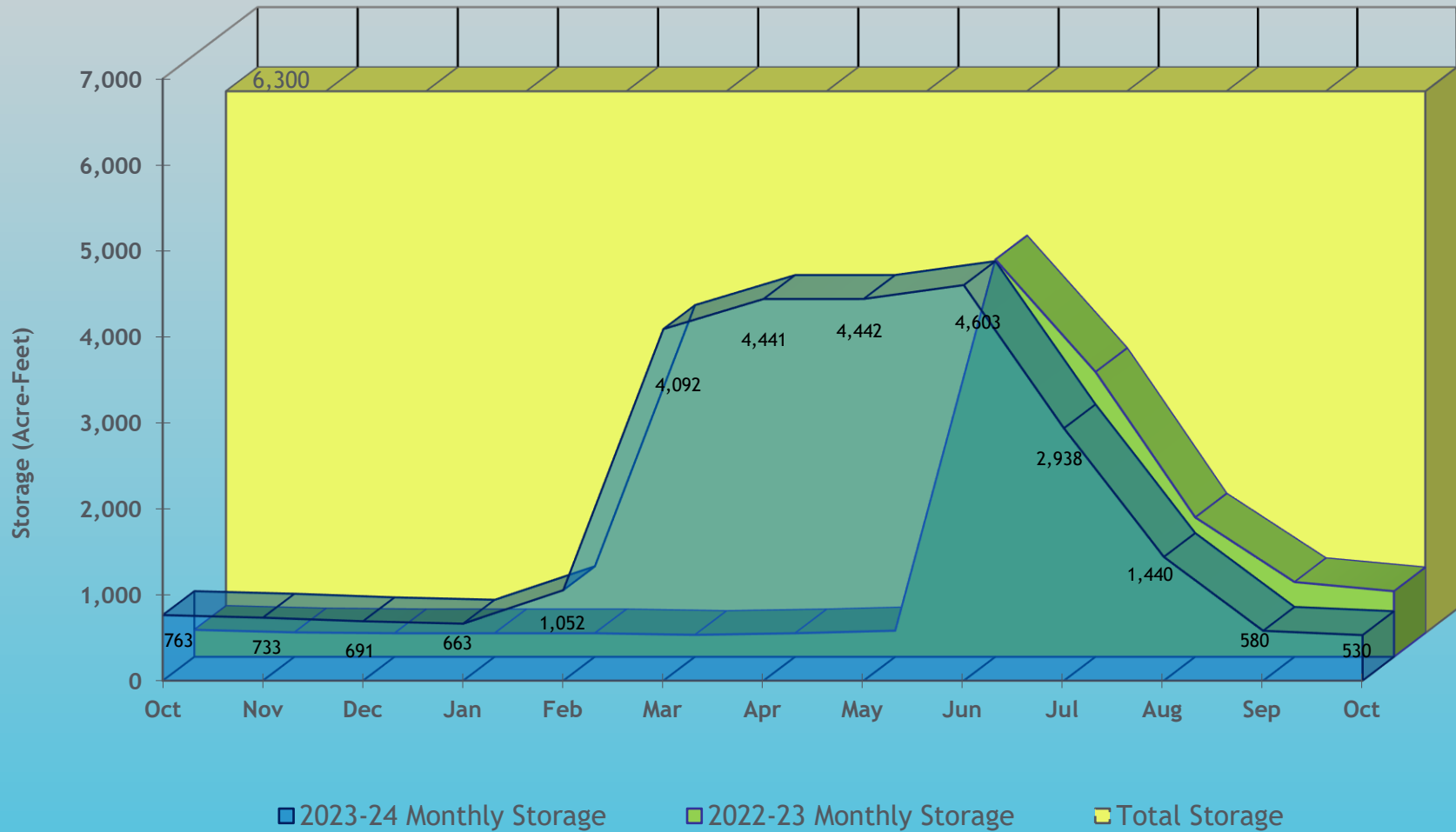


2023-24 Monthly Storage

2022-23 Monthly Storage

Total Storage

Prospect Reservoir (District 1 - Agricultural)

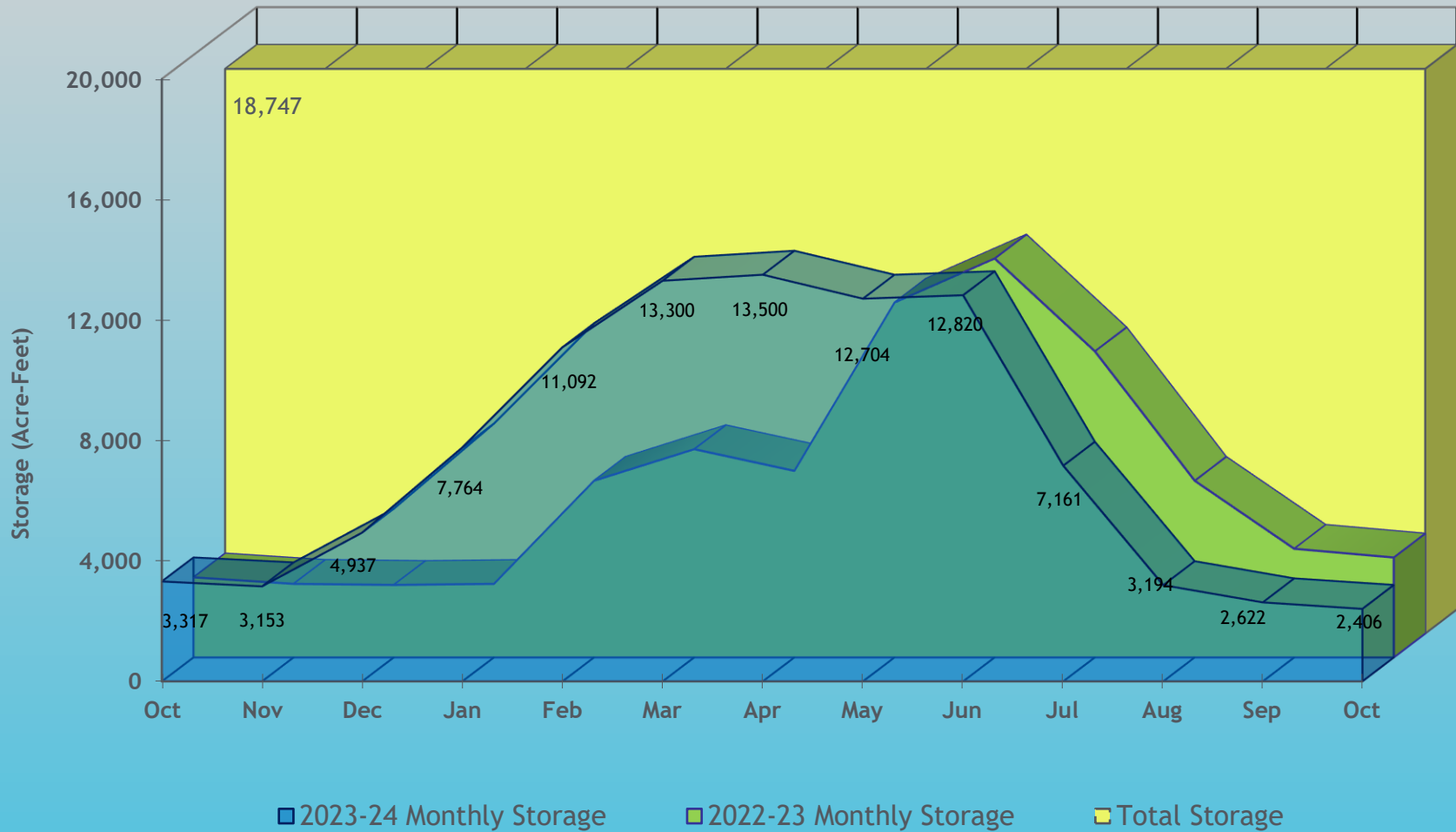


■ 2023-24 Monthly Storage

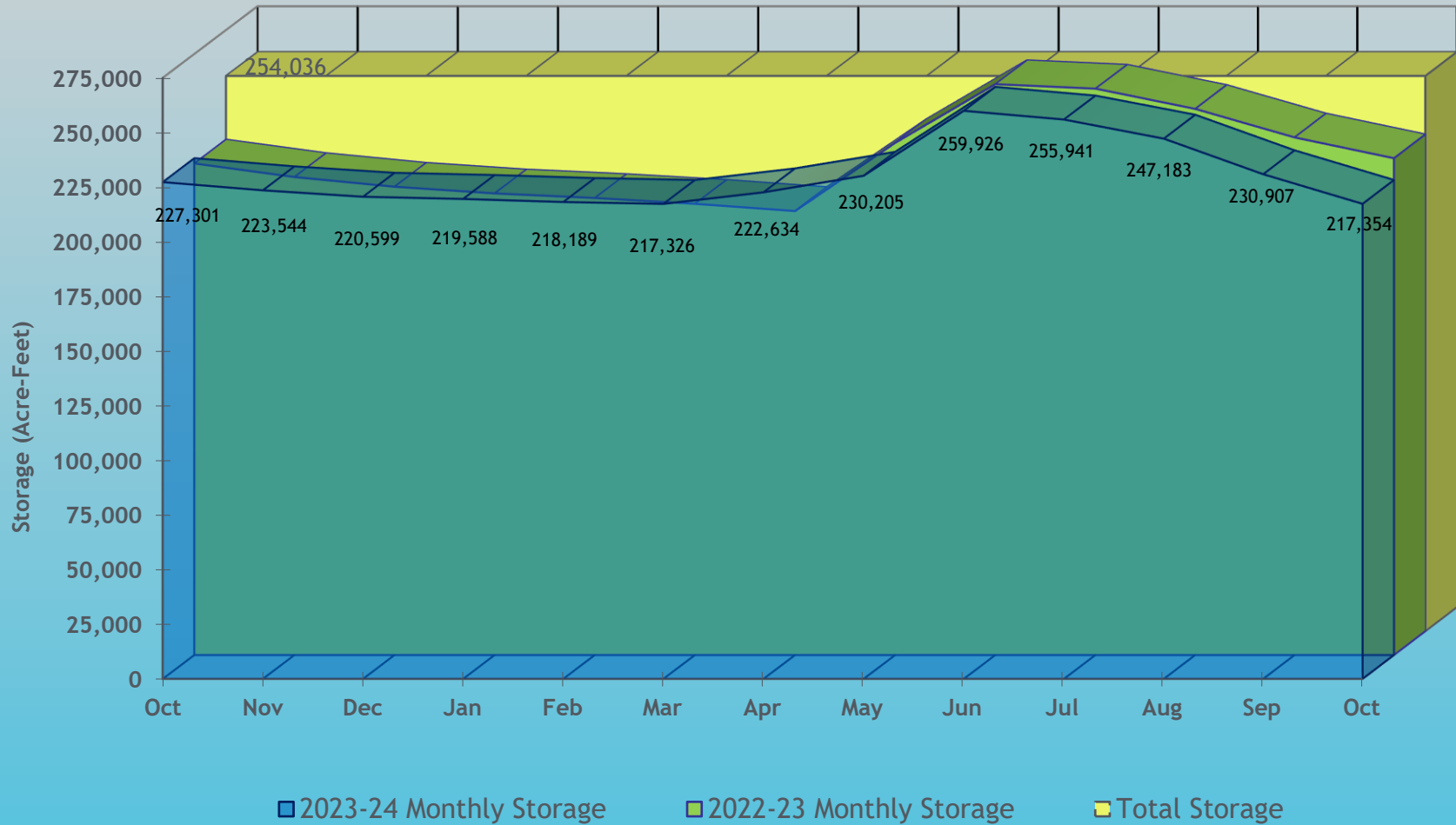
■ 2022-23 Monthly Storage

■ Total Storage

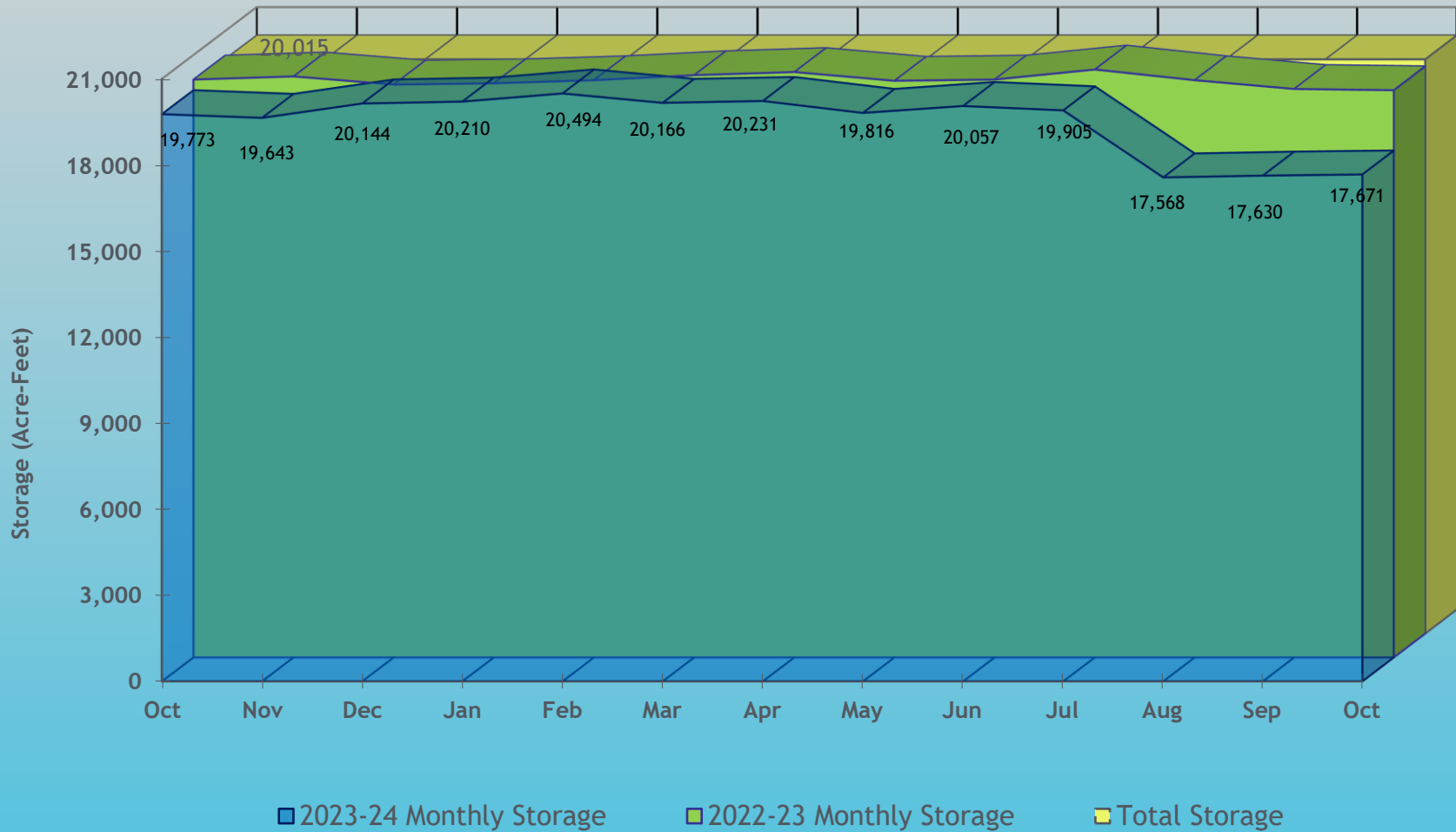
Horse Creek Reservoir (District 1 - Agricultural)



Dillon Reservoir (District 1 - Municipal)



Antero Reservoir (District 23 - Municipal)

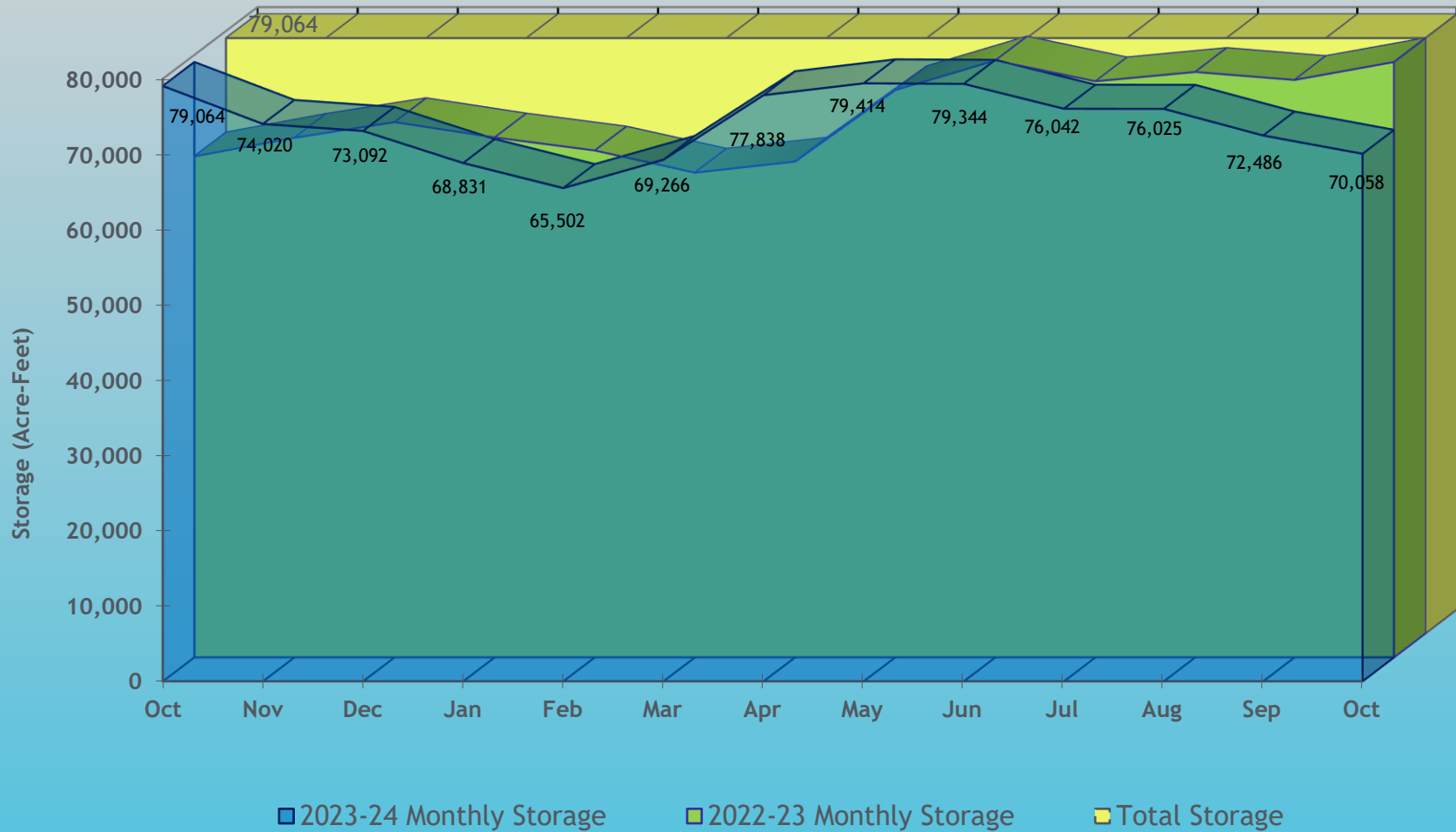


2023-24 Monthly Storage

2022-23 Monthly Storage

Total Storage

Cheesman Reservoir (District 80 - Municipal)

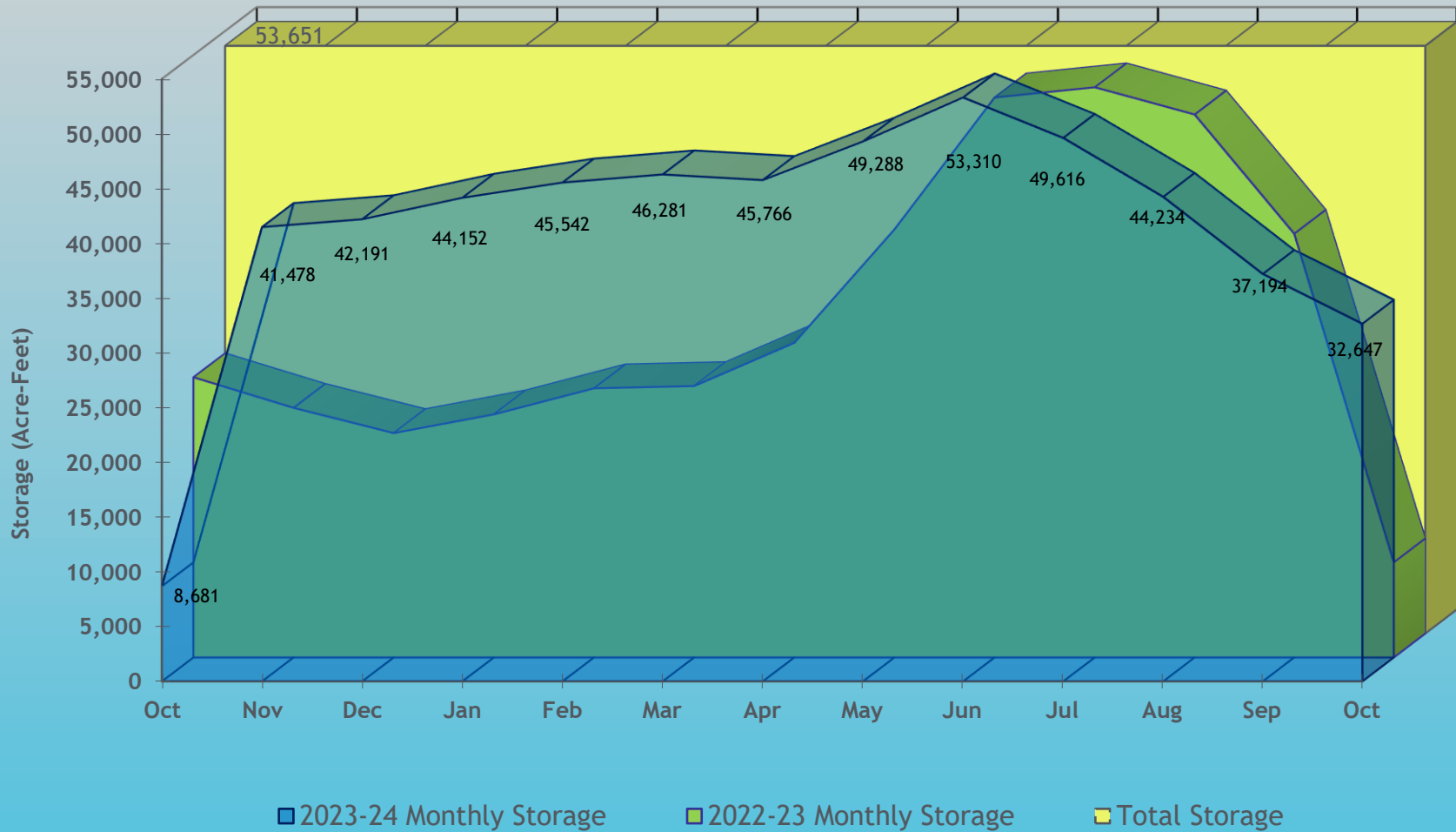


■ 2023-24 Monthly Storage

■ 2022-23 Monthly Storage

■ Total Storage

Spinney Mountain Reservoir (District 23 - Municipal)

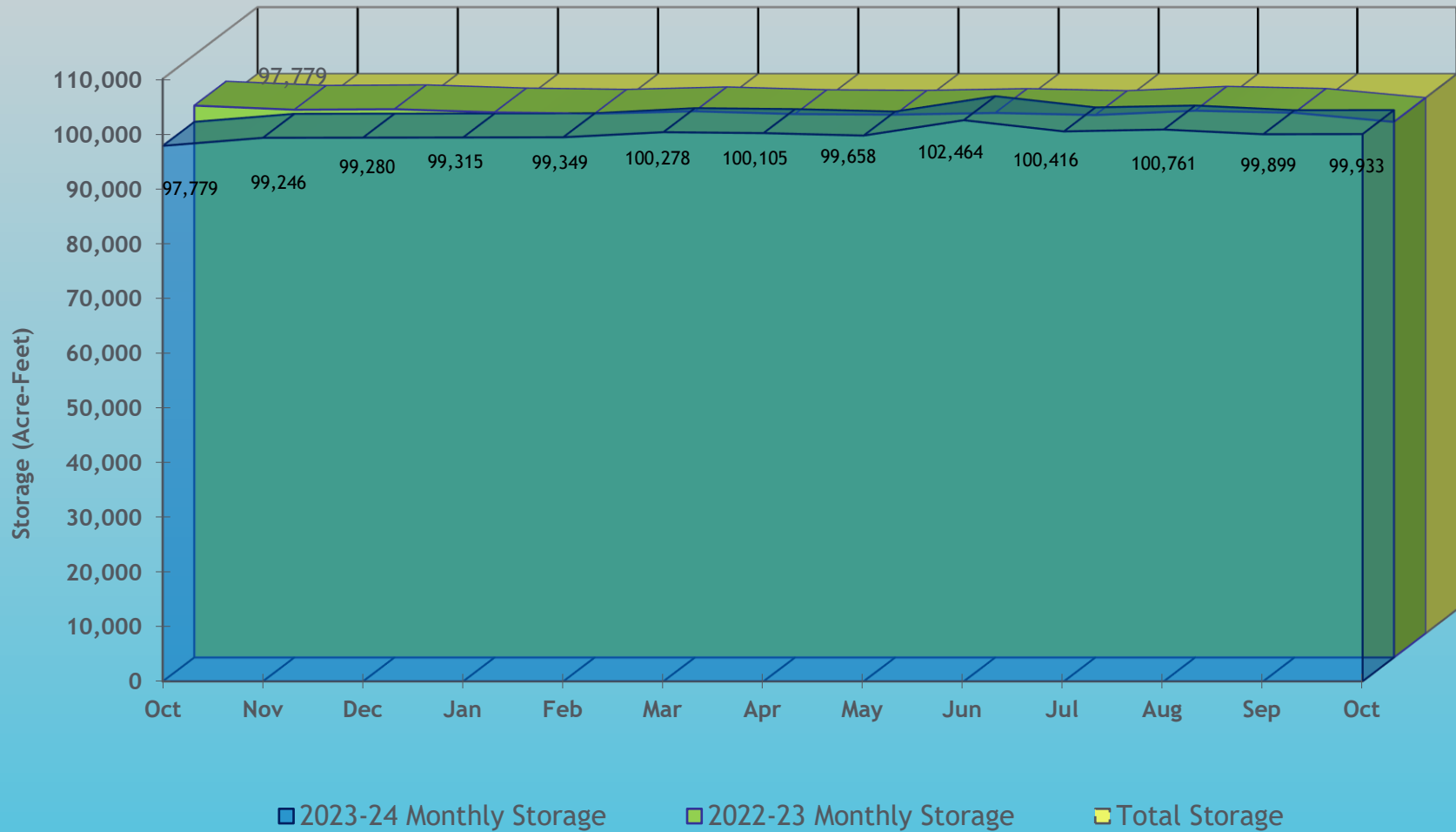


2023-24 Monthly Storage

2022-23 Monthly Storage

Total Storage

Eleven Mile Reservoir (District 23 - Municipal)

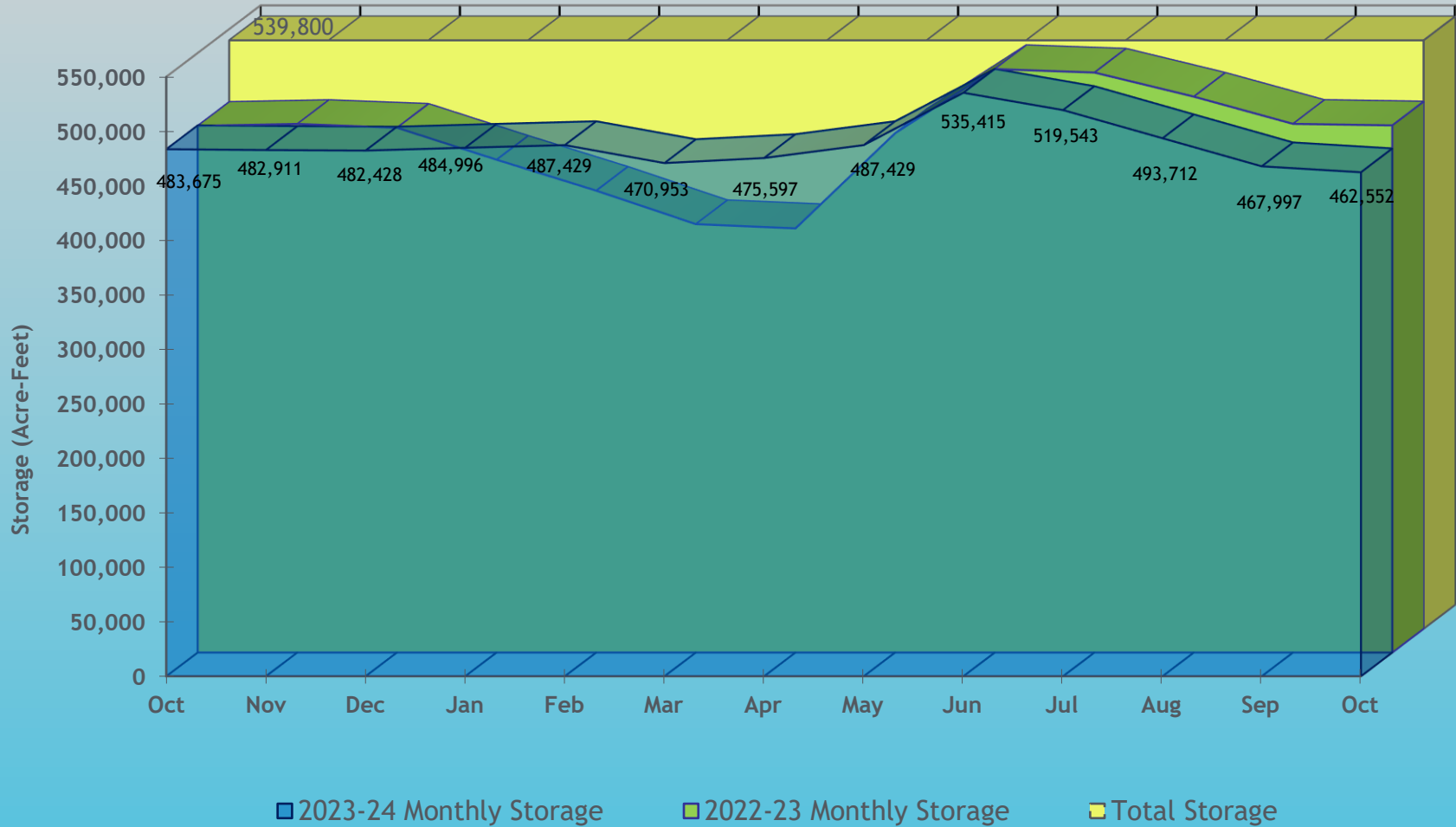


■ 2023-24 Monthly Storage

■ 2022-23 Monthly Storage

■ Total Storage

Lake Granby



2023-24 Monthly Storage

2022-23 Monthly Storage

Total Storage

