



COLORADO
Division of Water Resources
Department of Natural Resources

South Platte Summary December 2022

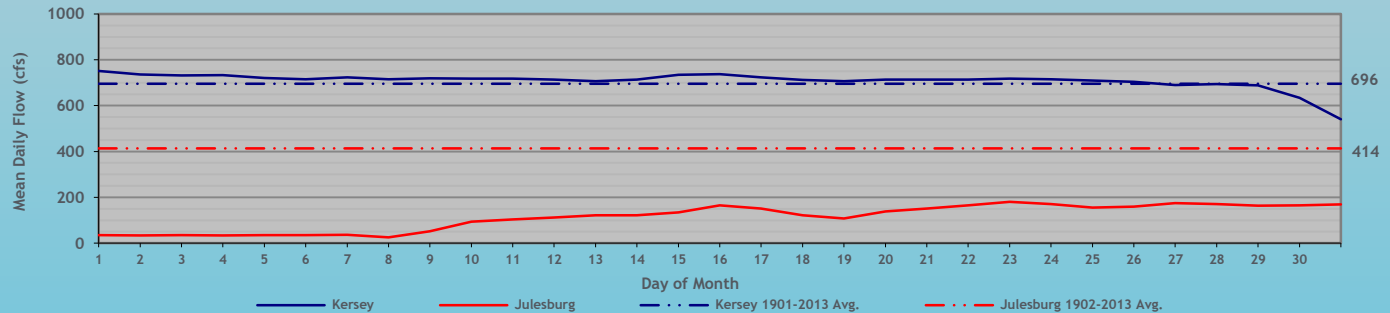
Compiled by Lee Cunning, P.E.

COLORADO DIVISION OF WATER RESOURCES, DIVISION 1

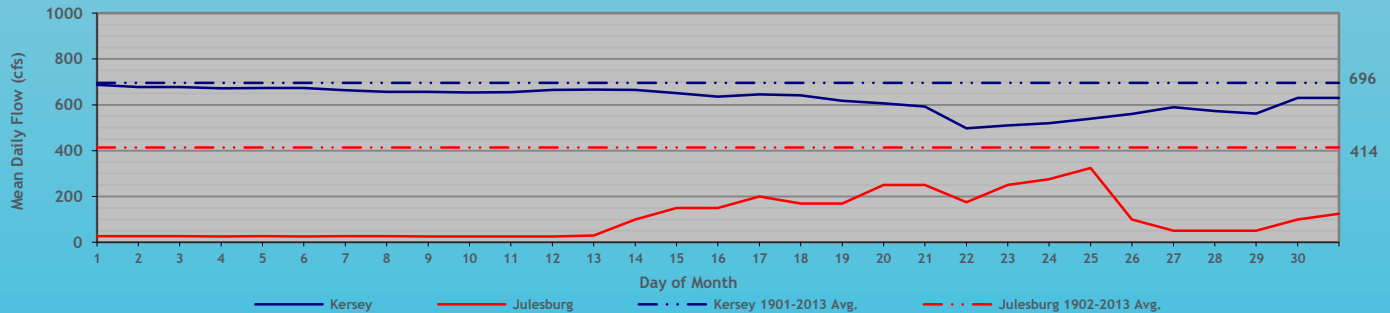
MONTH OF December 2022

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	10,220	14,282	64	4,062	40%	63%	70%	0
N STERLING	73,730	22,243	29,253	64	7,010	32%	40%	31%	0
PREWITT	28,500	6,887	8,173	64	1,286	19%	29%	75%	0
JACKSON	27,257	12,785	19,724	1	6,939	54%	72%	86%	0
EMPIRE	37,700	11,240	22,114	1	10,874	97%	59%	69%	0
RIVERSIDE	63,113	26,018	33,265	1	7,247	28%	53%	72%	0
BARR LAKE	32,152	10,573	15,288	2	4,715	45%	48%	51%	0
CHEESMAN	79,064	69,000	71,085	80	2,085	3%	90%	89%	0
ELEVEN MILE	97,779	100,002	100,105	23	103	0%	100%	100%	2,326
SPINNEY	53,651	22,786	20,480	23	-2,306	-10%	38%	59%	0
ANTERO	20,015	20,253	19,970	23	-283	-1%	100%	100%	0

KERSEY and JULESBURG
December 2021

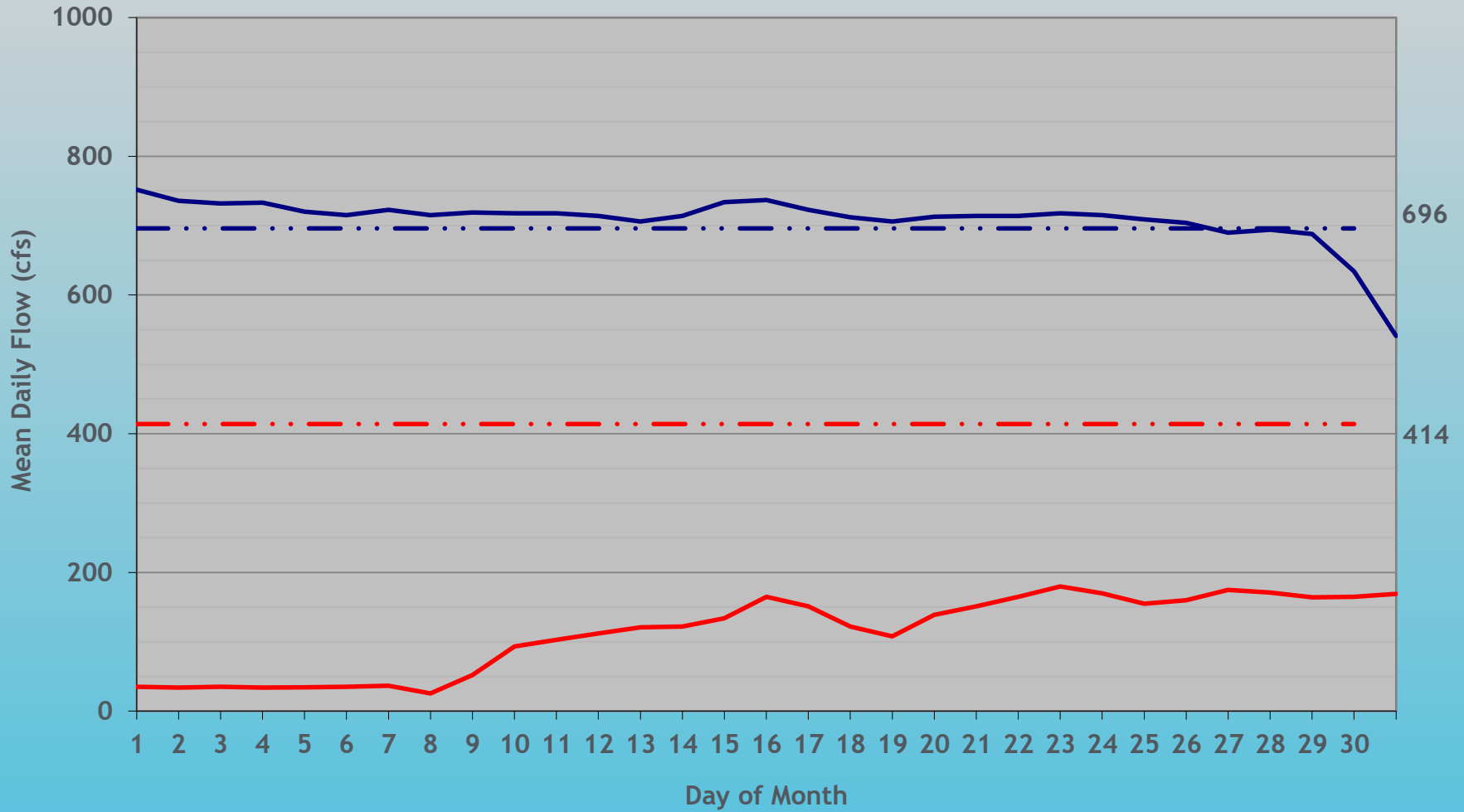


KERSEY and JULESBURG
December 2022



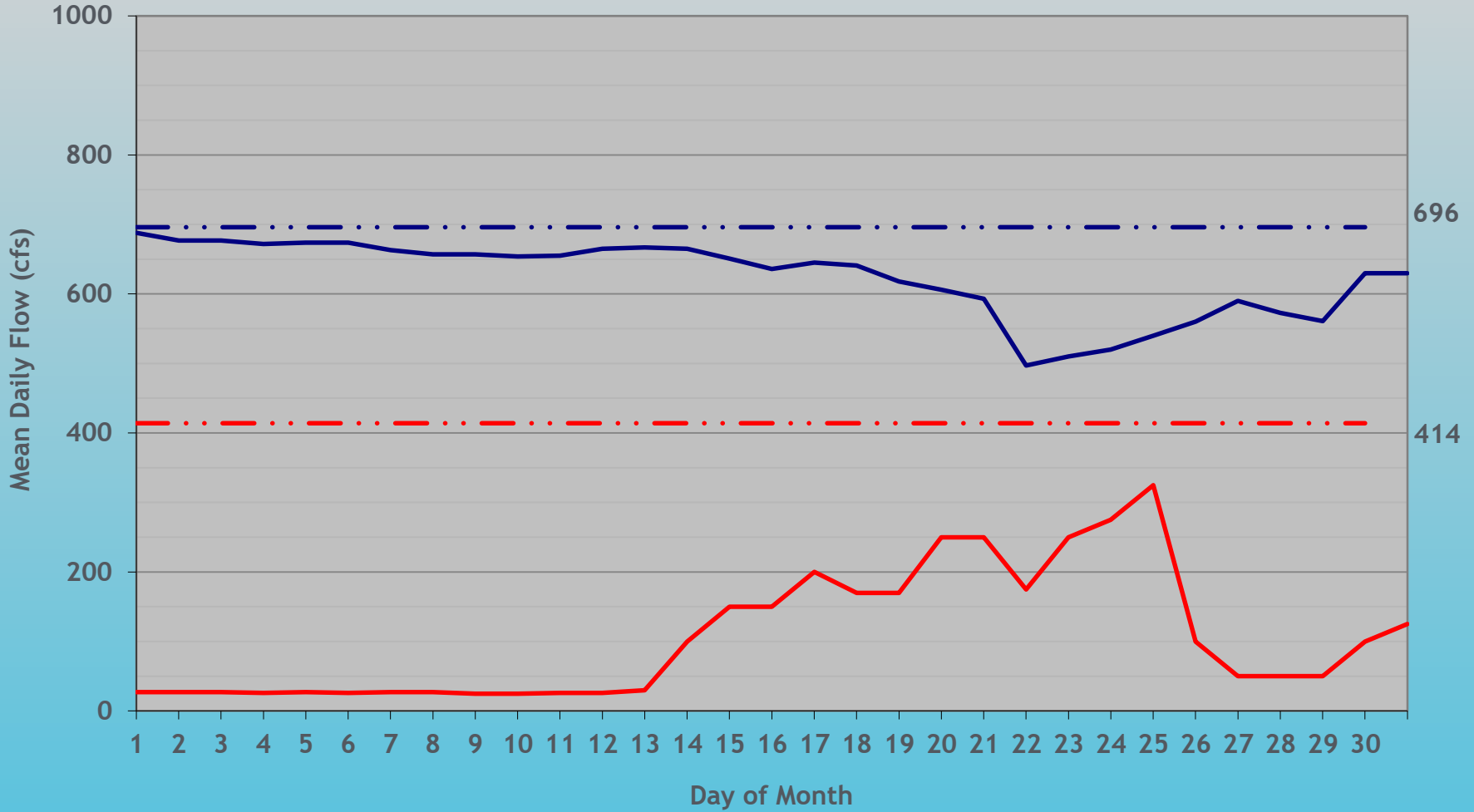
RIVER GAGES	MEAN DAILY FLOW (CFS)
KERSEY	624
JULESBURG	106
THIS MONTH LAST YEAR	
KERSEY	708
JULESBURG	113
MEAN FOR PERIOD OF RECORD*	
KERSEY	696
JULESBURG	414
*Kersey 1901 - 2016	
*Julesburg 1902 - 2016	

KERSEY and JULESBURG December 2021



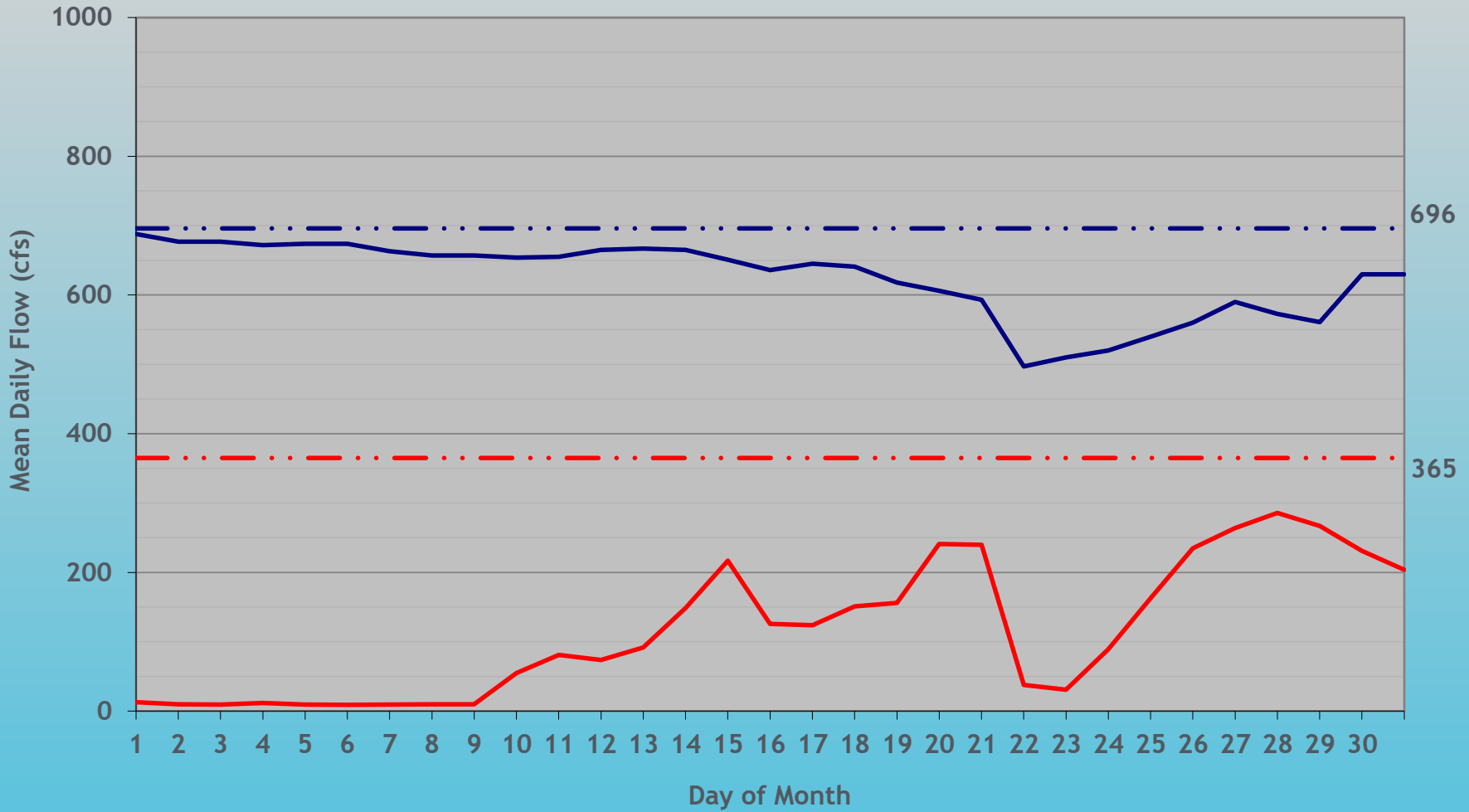
— Kersey — Julesburg — • Kersey 1901-2013 Avg. — • Julesburg 1902-2013 Avg.

KERSEY and JULESBURG December 2022



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

KERSEY and BALZAC December 2022



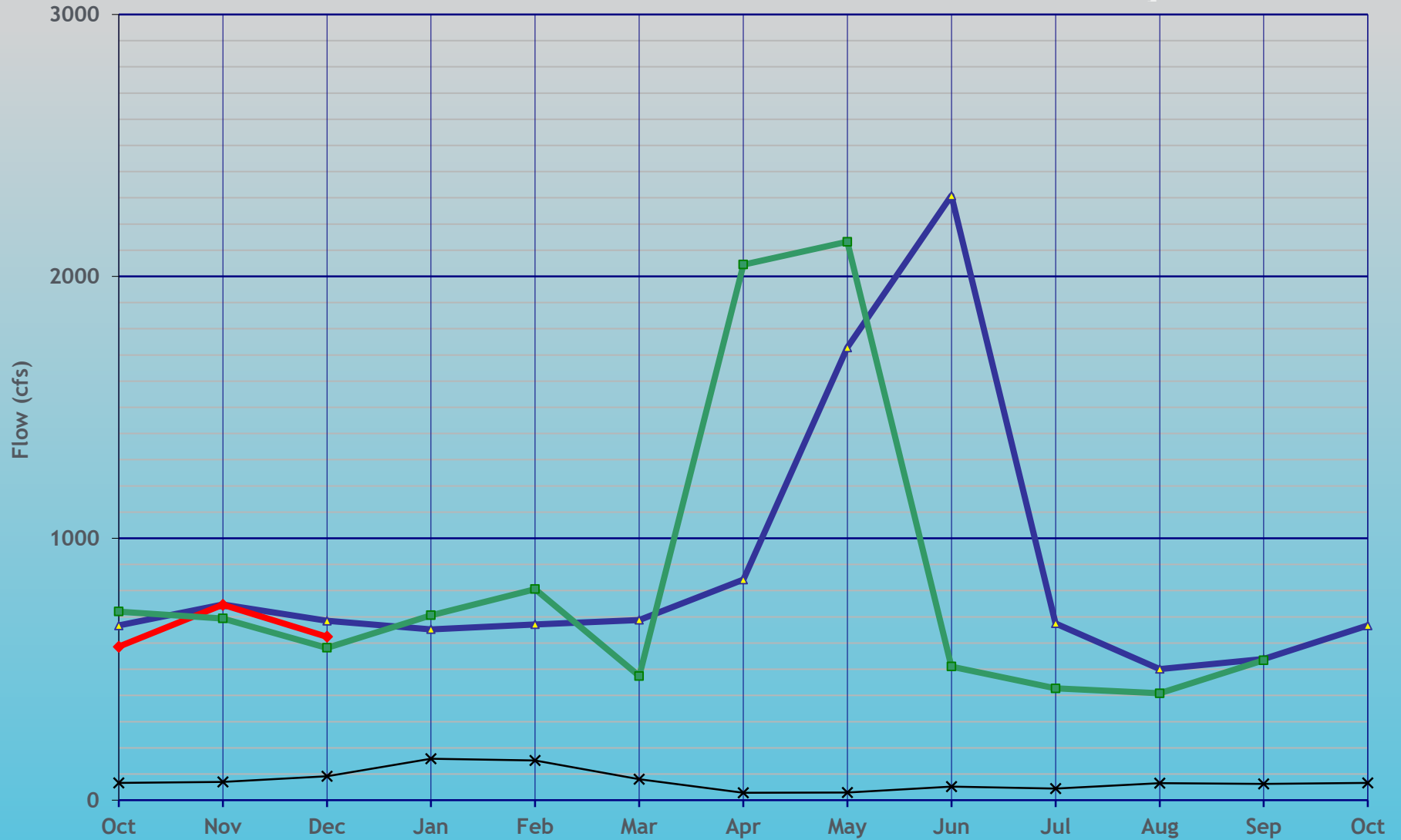
— Kersey — Balzac - · Kersey 1901-2013 Avg. - · Balzac 1917-2013 Avg.

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 2023 Mean Monthly Flow	Month	Historic* Mean Flow	Historic* Max Flow	Year	Historic* Min Flow	Year	IY 2023 Mean Monthly Flow
Oct	667	6180	1984	66	1954	586	Oct	299	3130	1984	4.2	1903	94
Nov	747	3650	1984	70	1934	746	Nov	335	2900	1984	4.2	1903	28
Dec	685	1890	1961	91	1934	624	Dec	401	1820	1984	13	2002	116
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



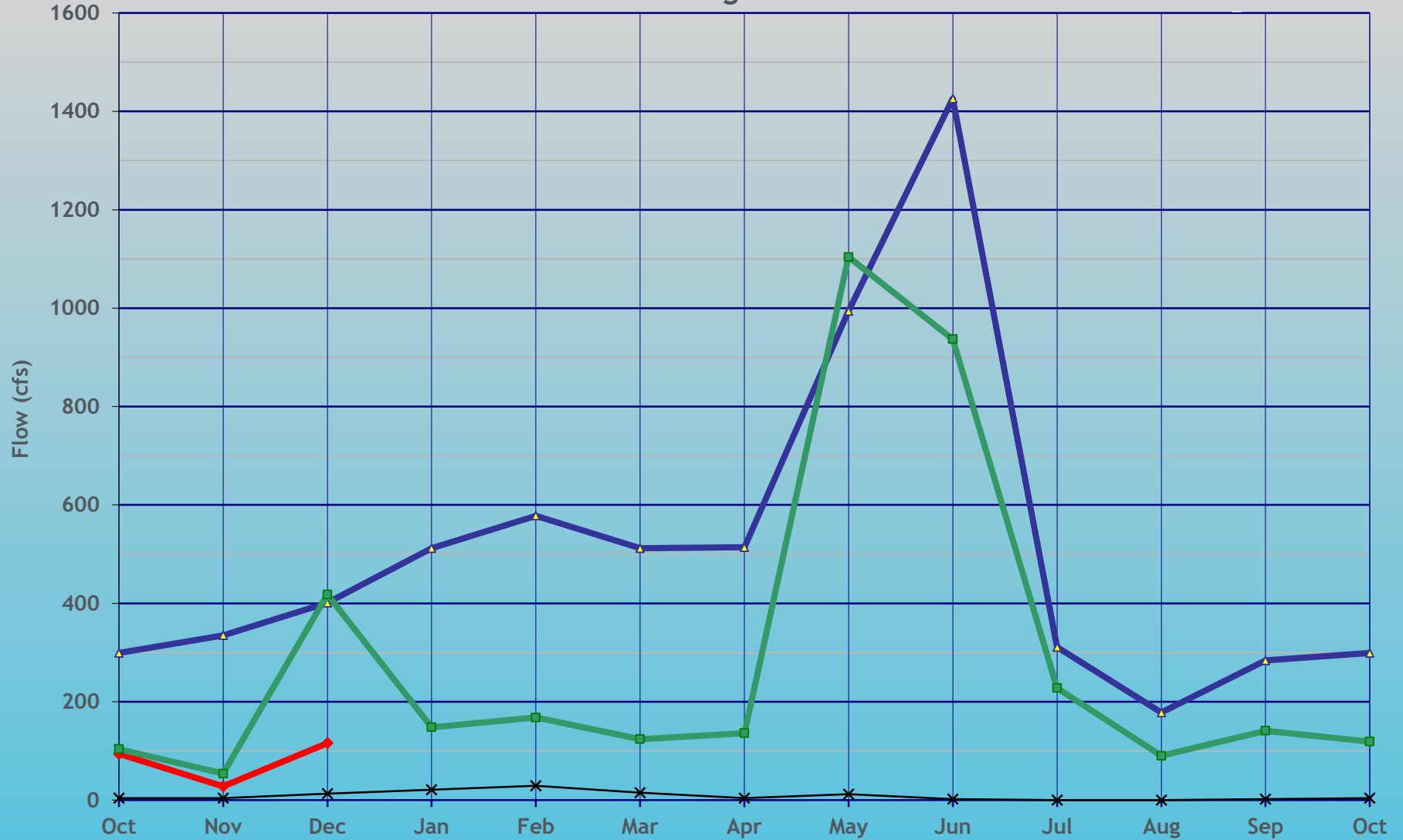
▲ Historic* Mean Flow × Historic* Min Flow ◆ 2022-2023 Mean Flow ◻ 2021-2022 Mean Flow

*1901-2016



South Platte River at Julesburg

Irrigation Year



—▲— Historic* Mean Flow —×— Historic* Min Flow —◆— 2022-2023 Mean Flow —■— 2021-2022 Mean Flow

*1901-2016



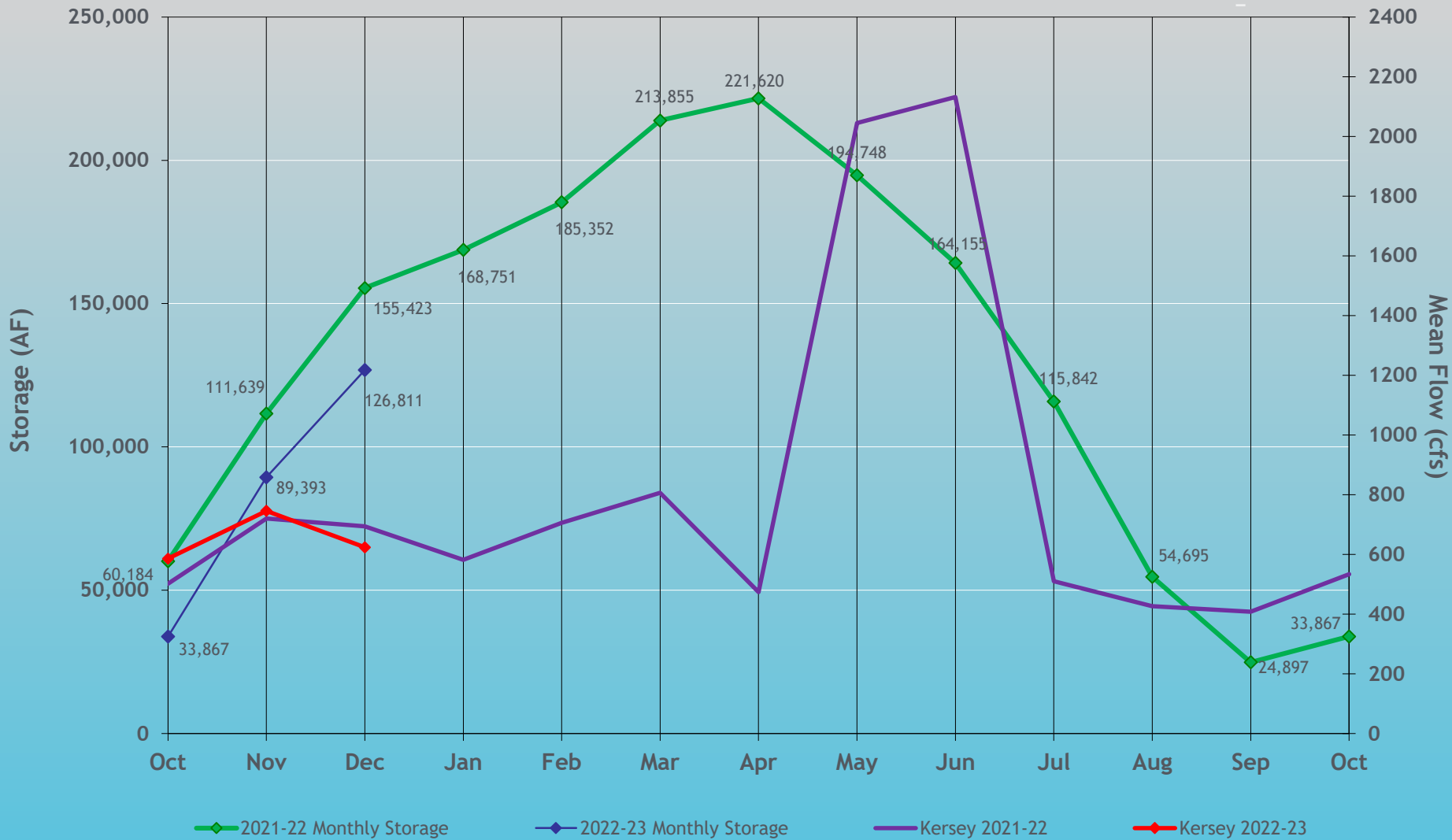
COLORADO
Department of
Natural Resources



Next three slides show Reservoir Storage above and below Kersey

Reservoir Storage below Kersey

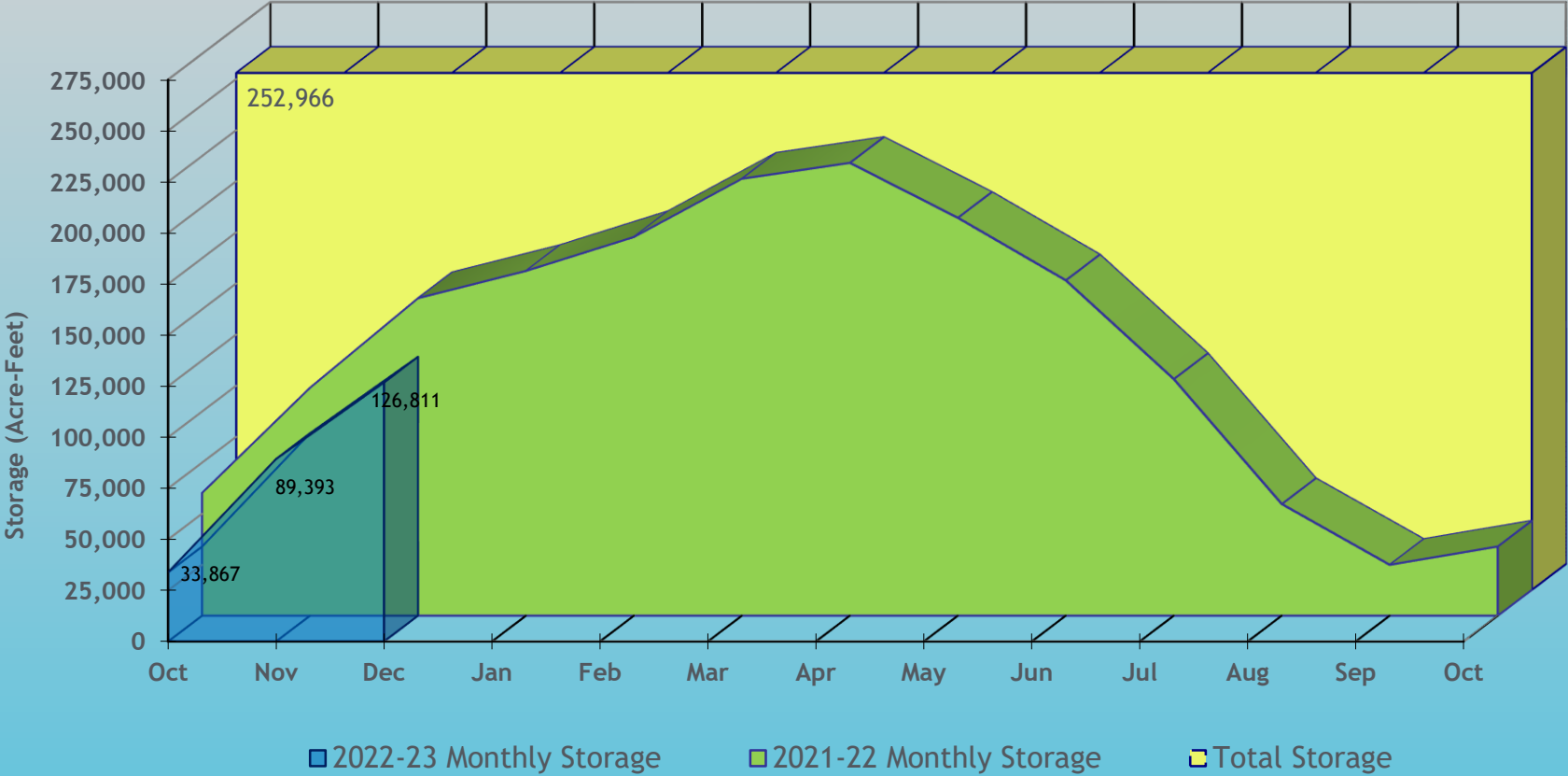
Selected Reservoirs*



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

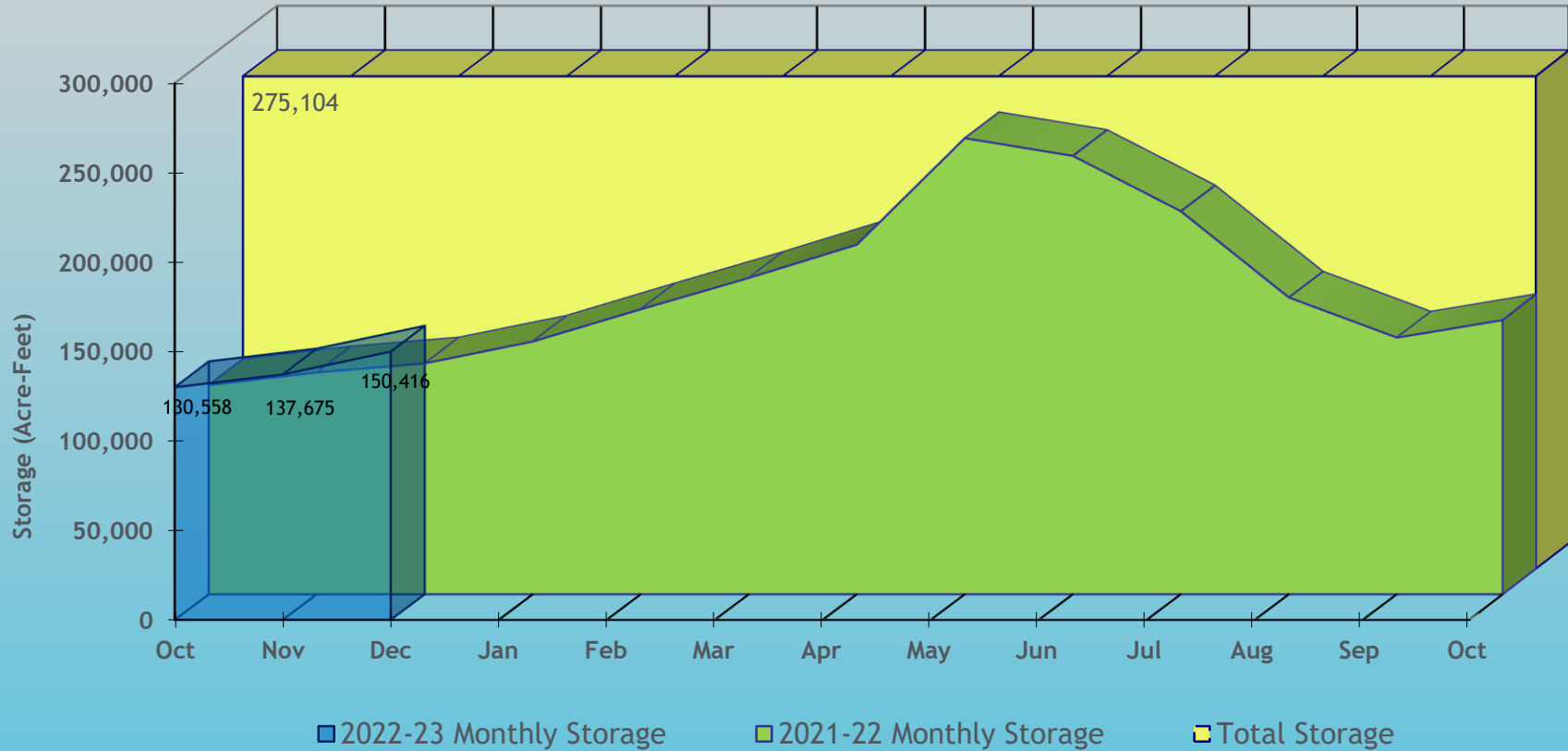


South Platte Reservoir Storage below Kersey*



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

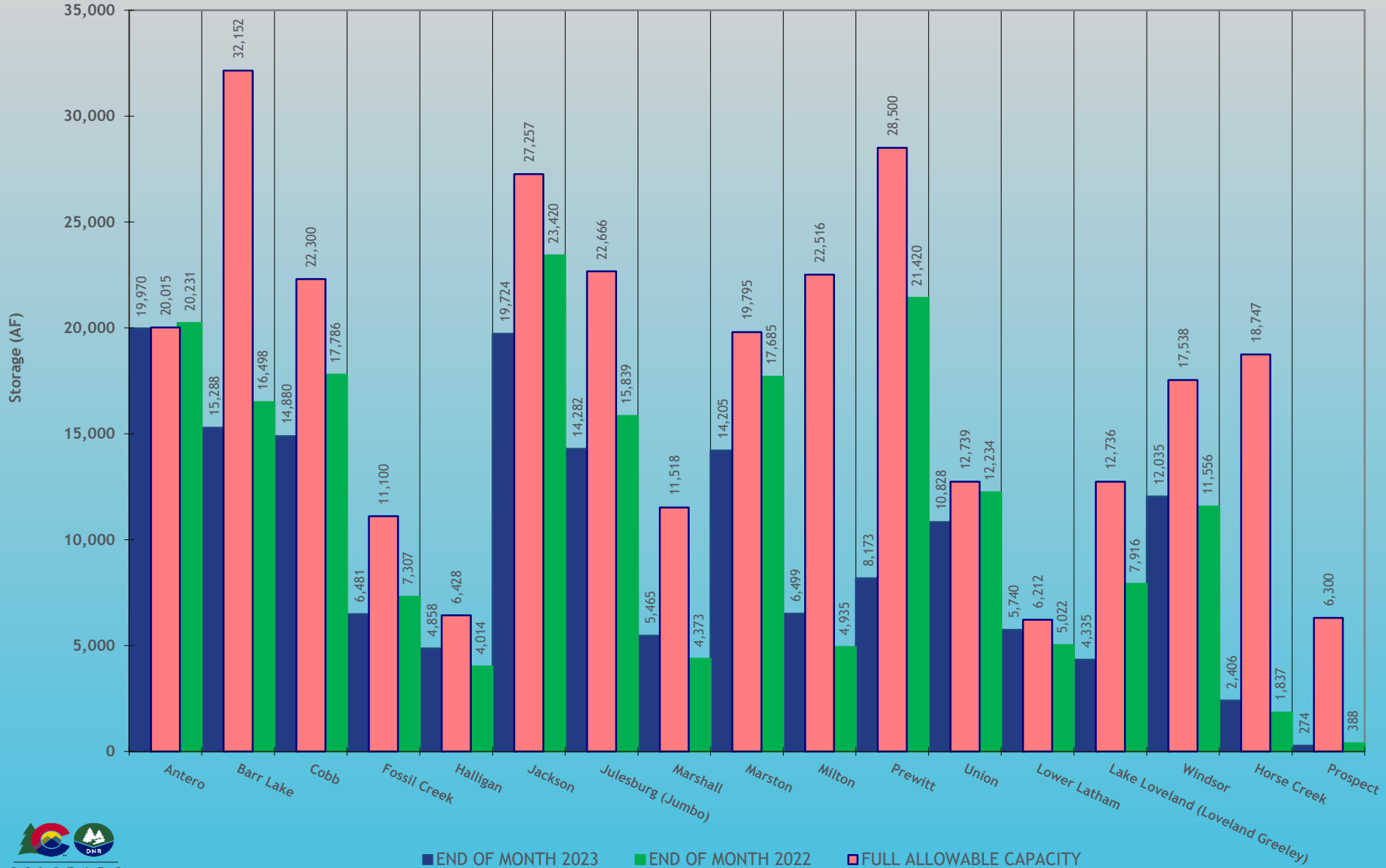
South Platte Reservoir Storage above Kersey*



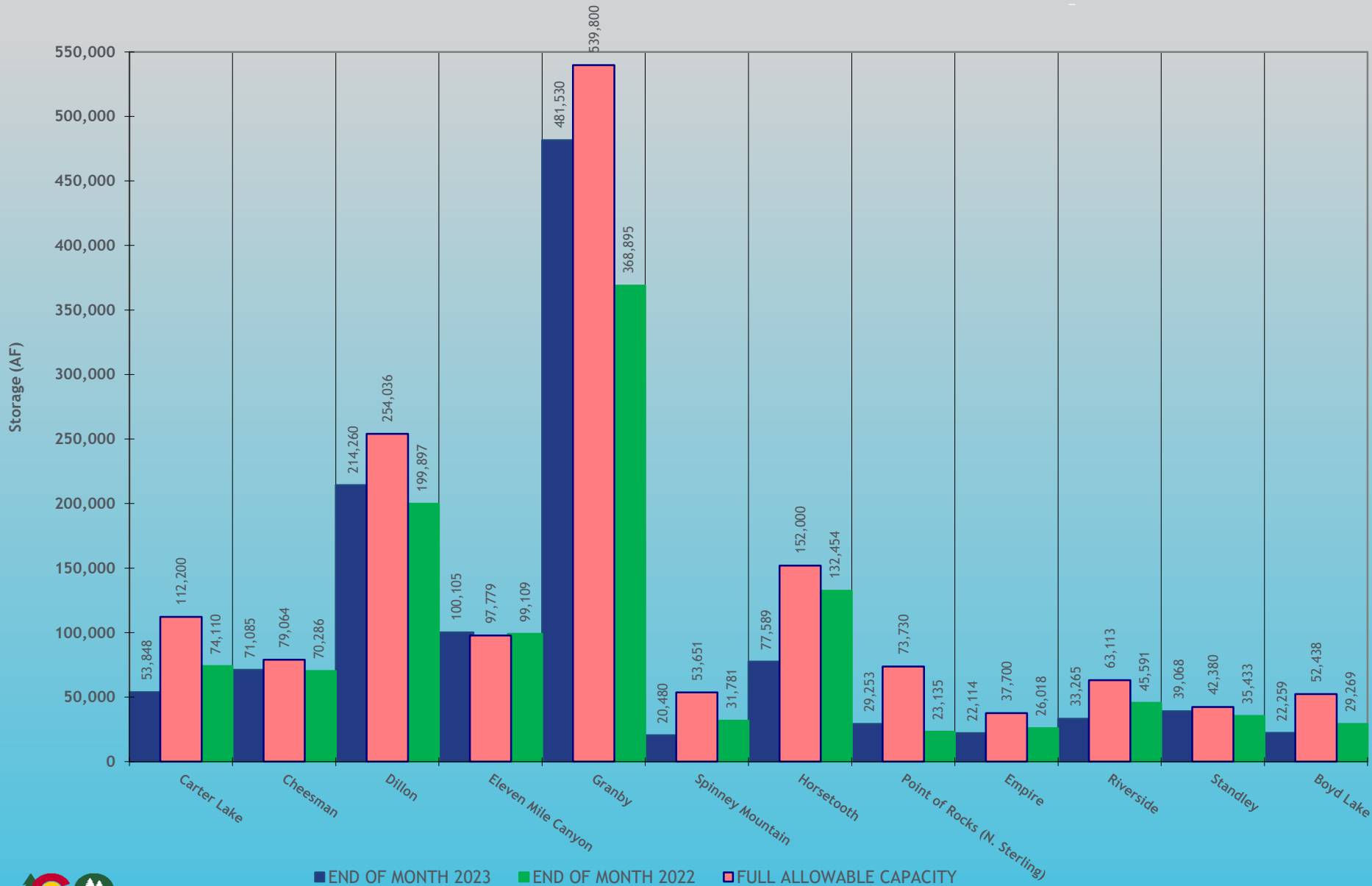
*Barr, Cobb, Fossil Crk, Halligan, Marshall, Milton, Union, Standley, Lower Latham, Boyd, Loveland, Windsor, Horse Crk, & Prospect



December Reservoir Change in Storage IY2021 versus IY2022



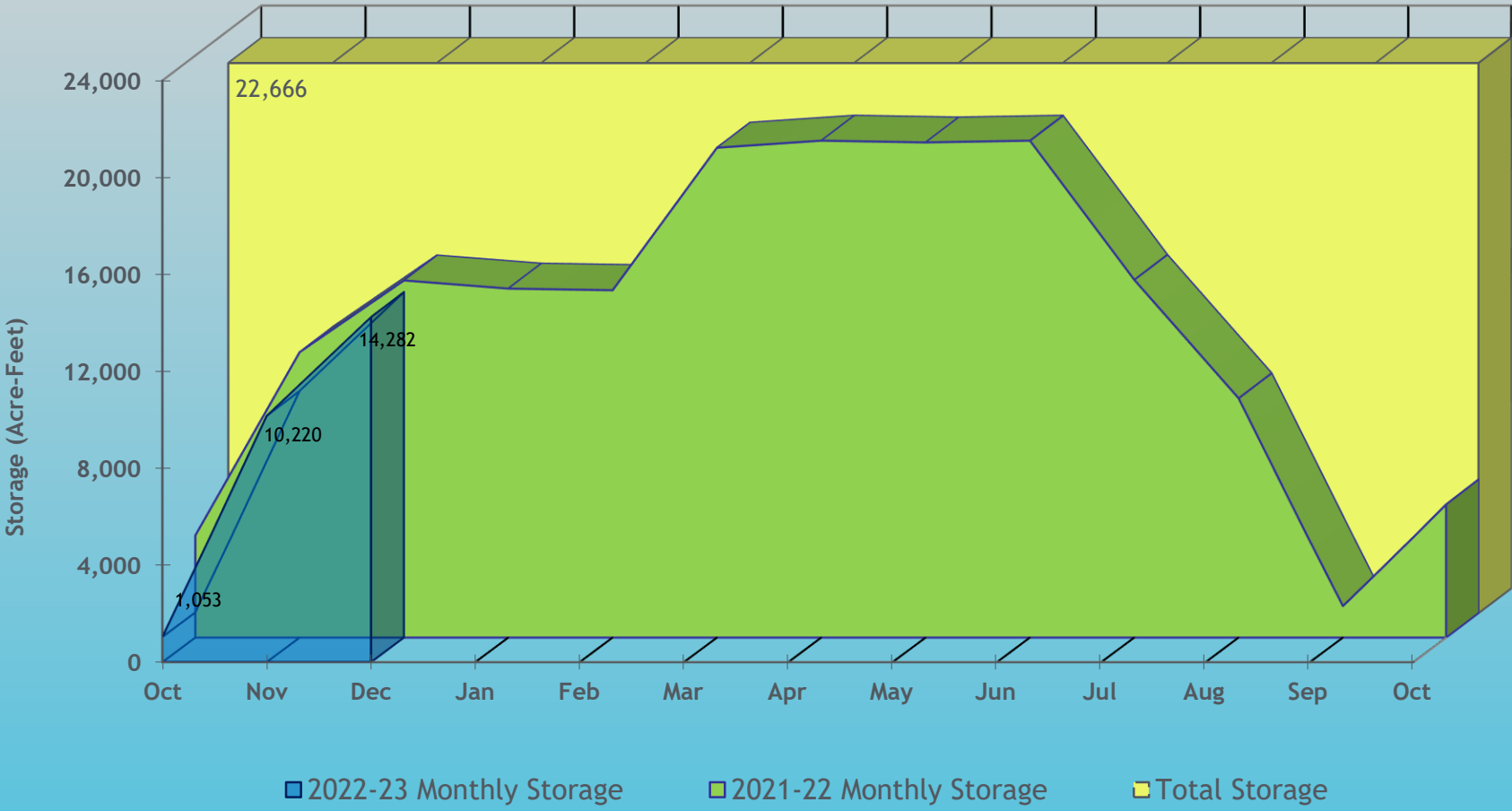
December Reservoir Change in Storage IY2021 versus IY2022



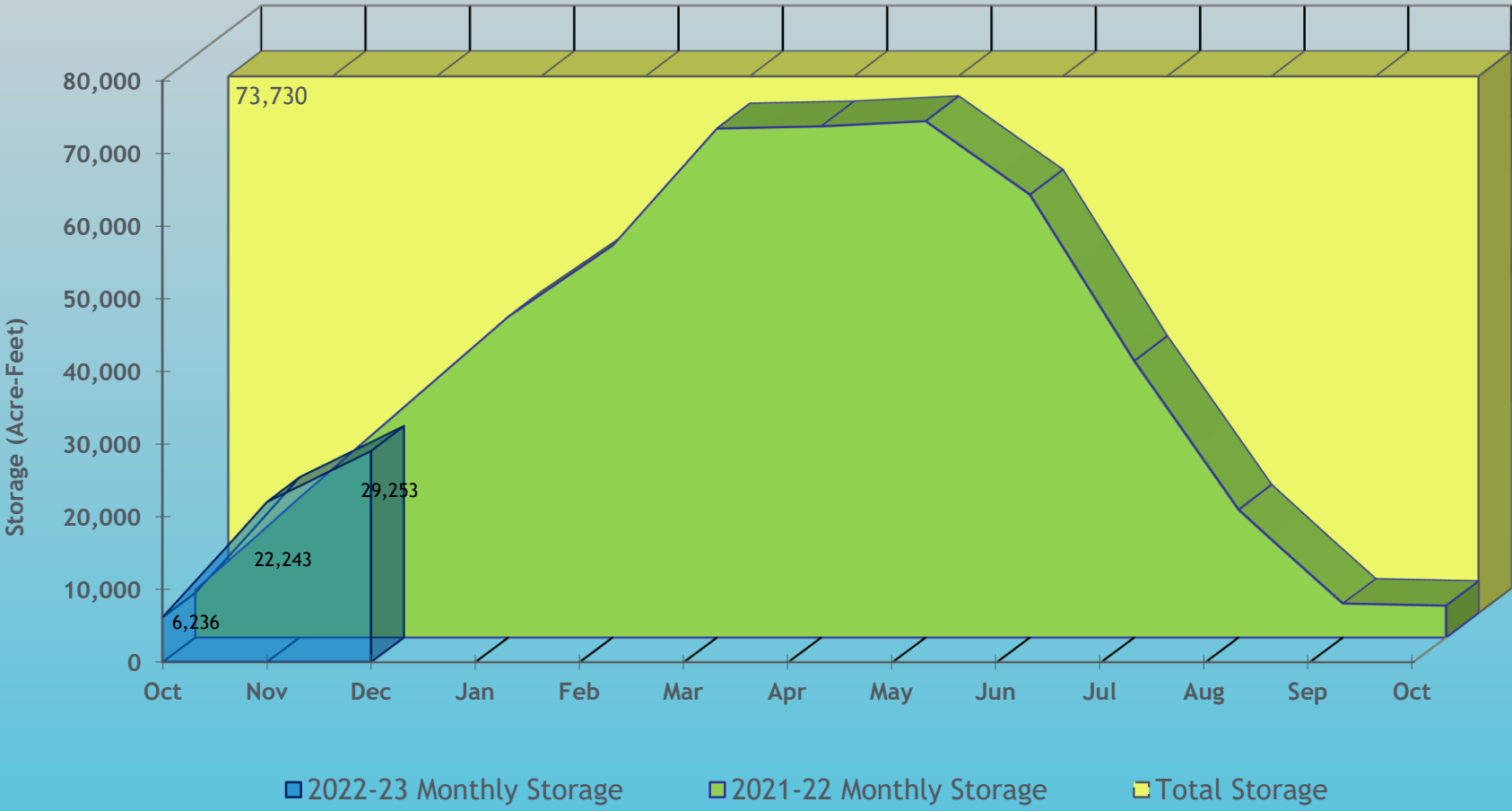
■ END OF MONTH 2023 ■ END OF MONTH 2022 ■ FULL ALLOWABLE CAPACITY



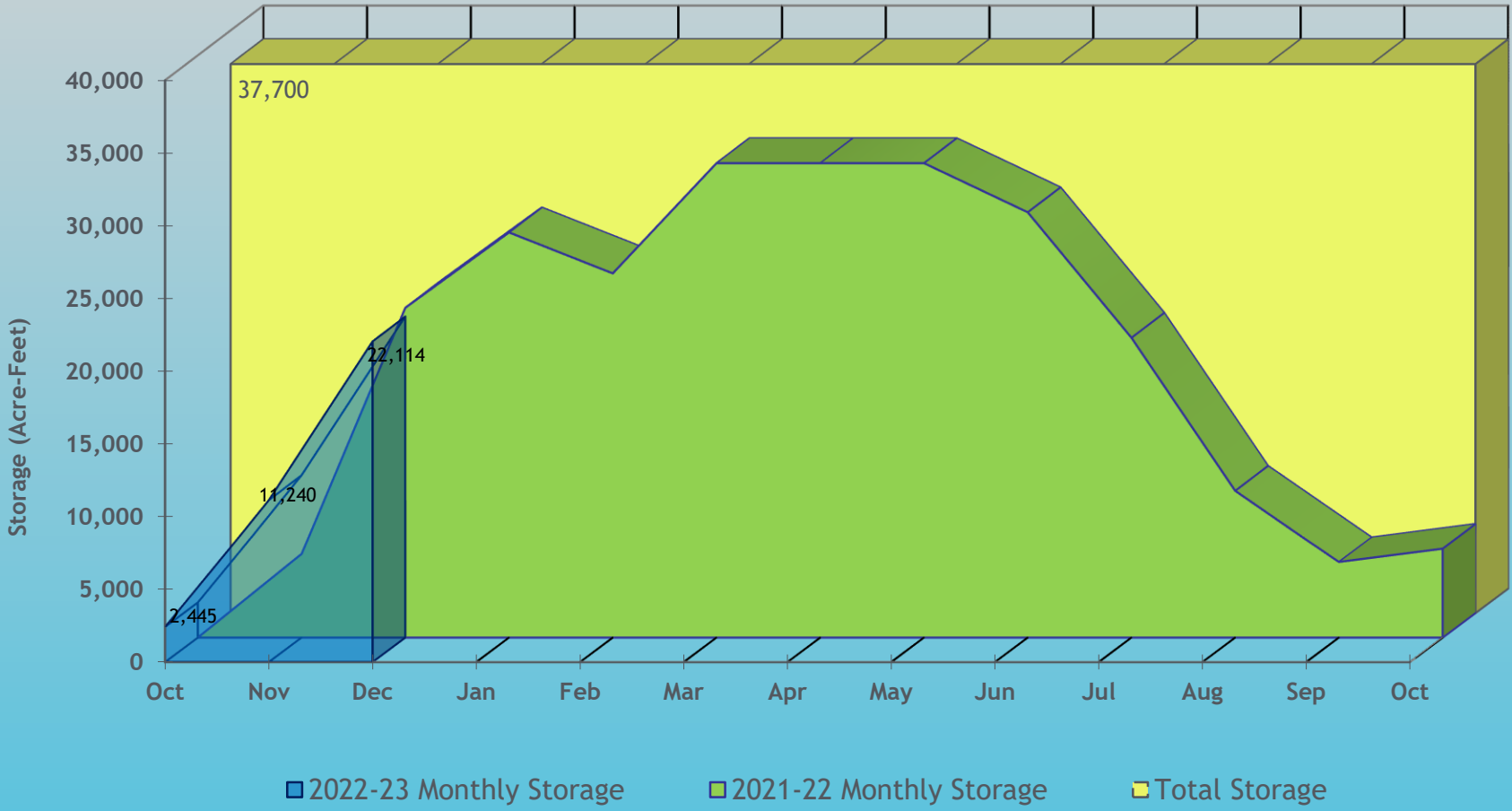
Julesburg Reservoir (District 64 - Agricultural)



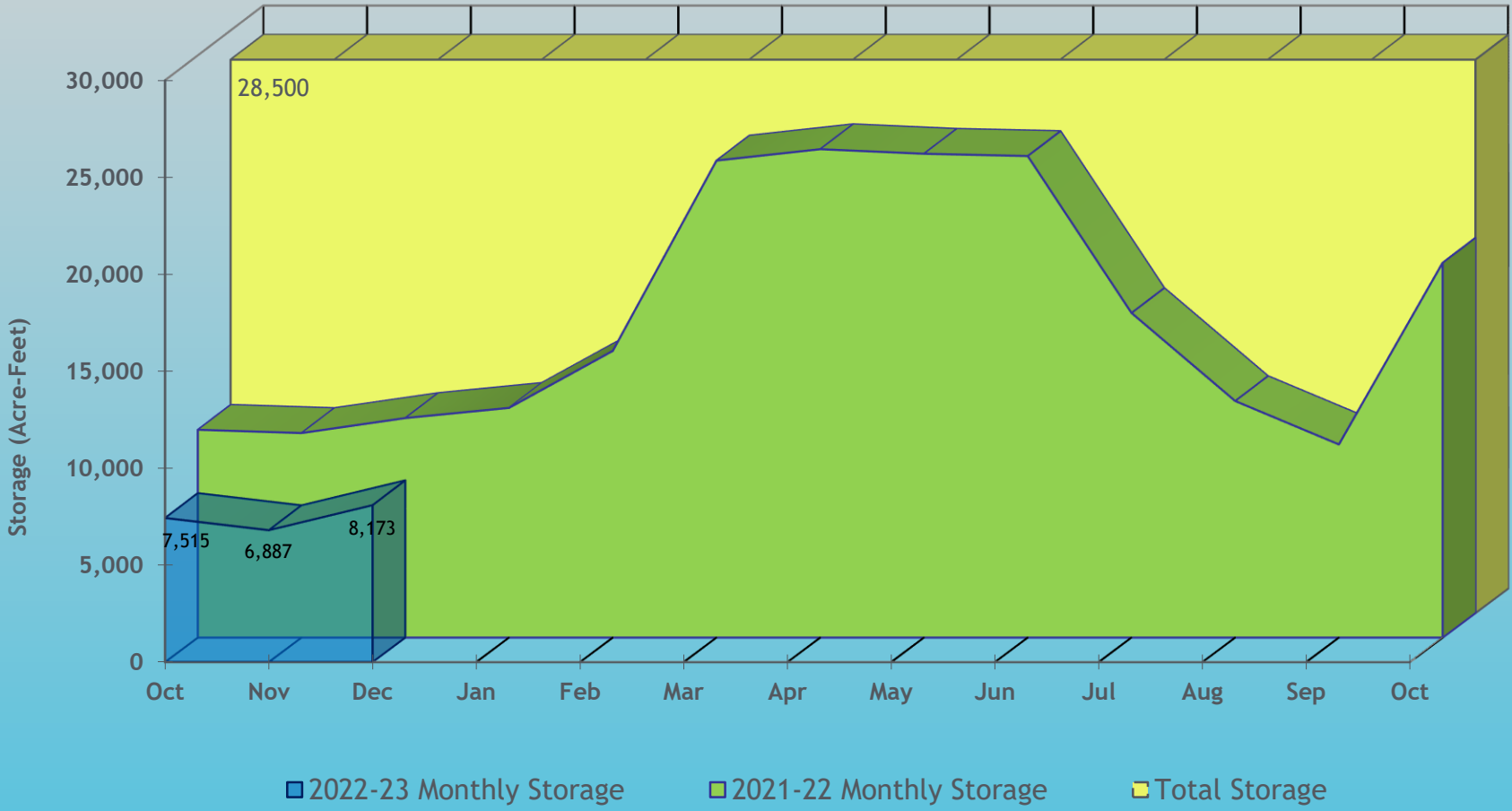
North Sterling Reservoir (District 64 - Agricultural)



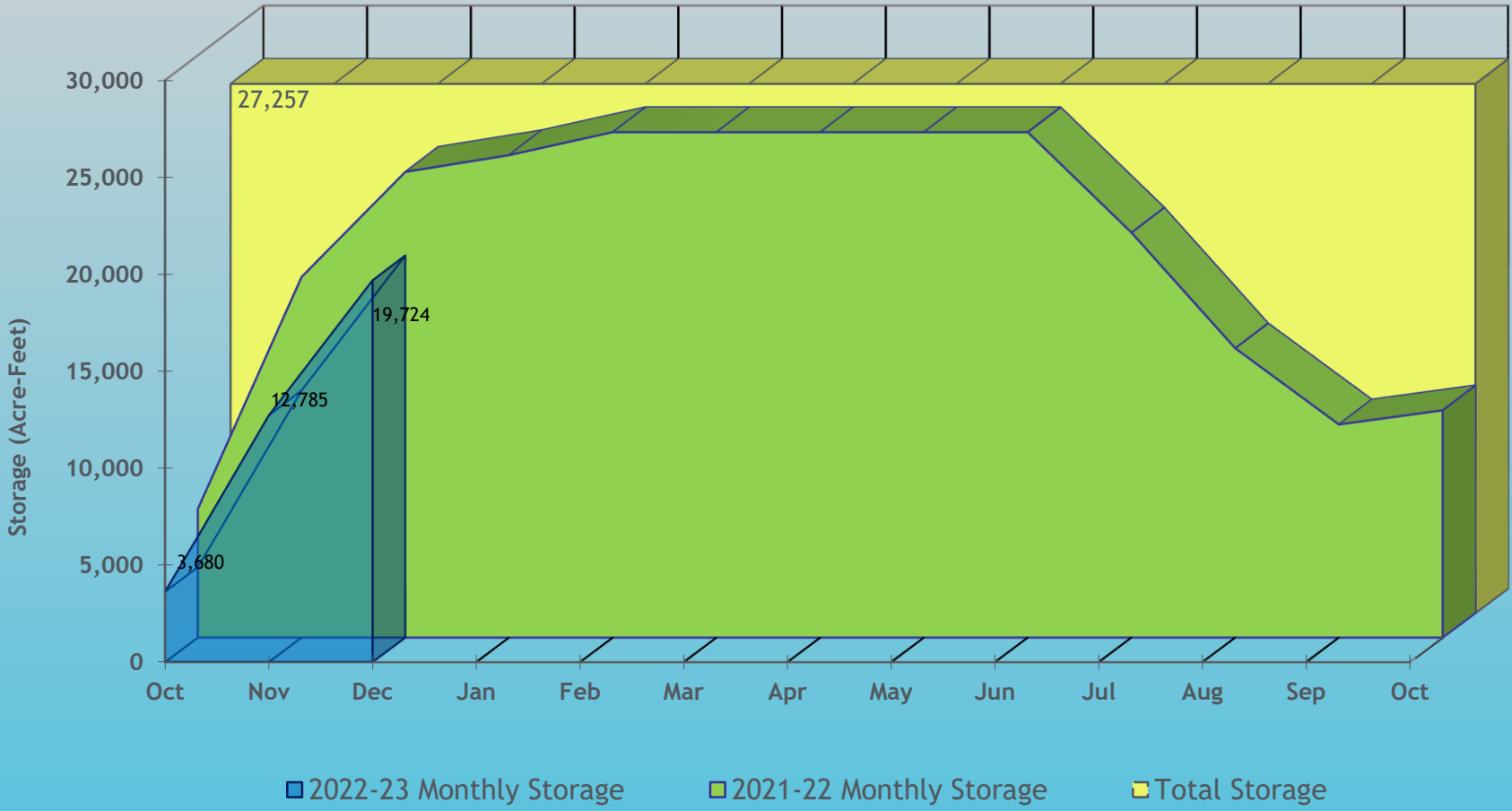
Empire Reservoir (District 1 - Agricultural)



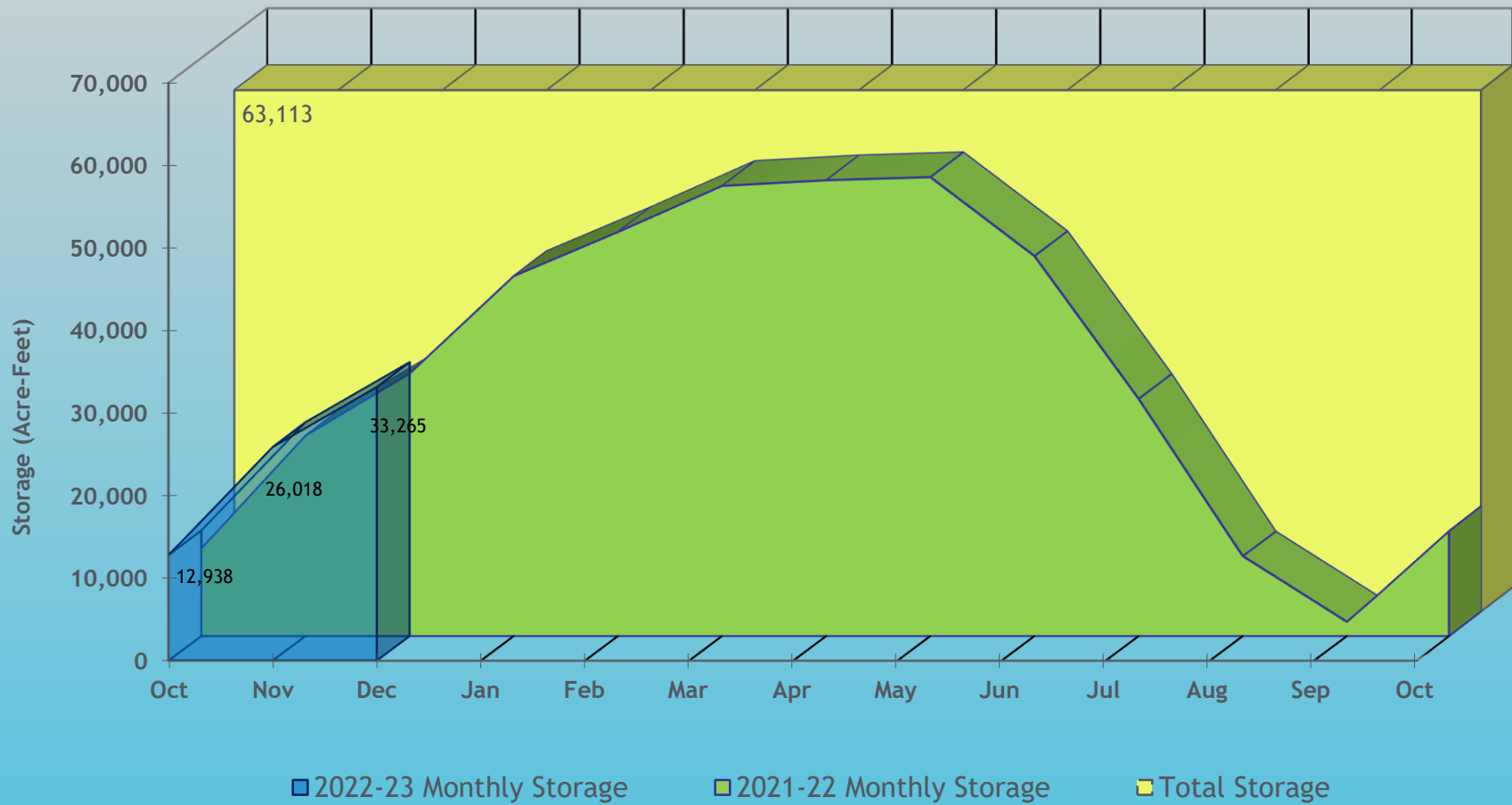
Prewitt Reservoir (District 64 - Agricultural)



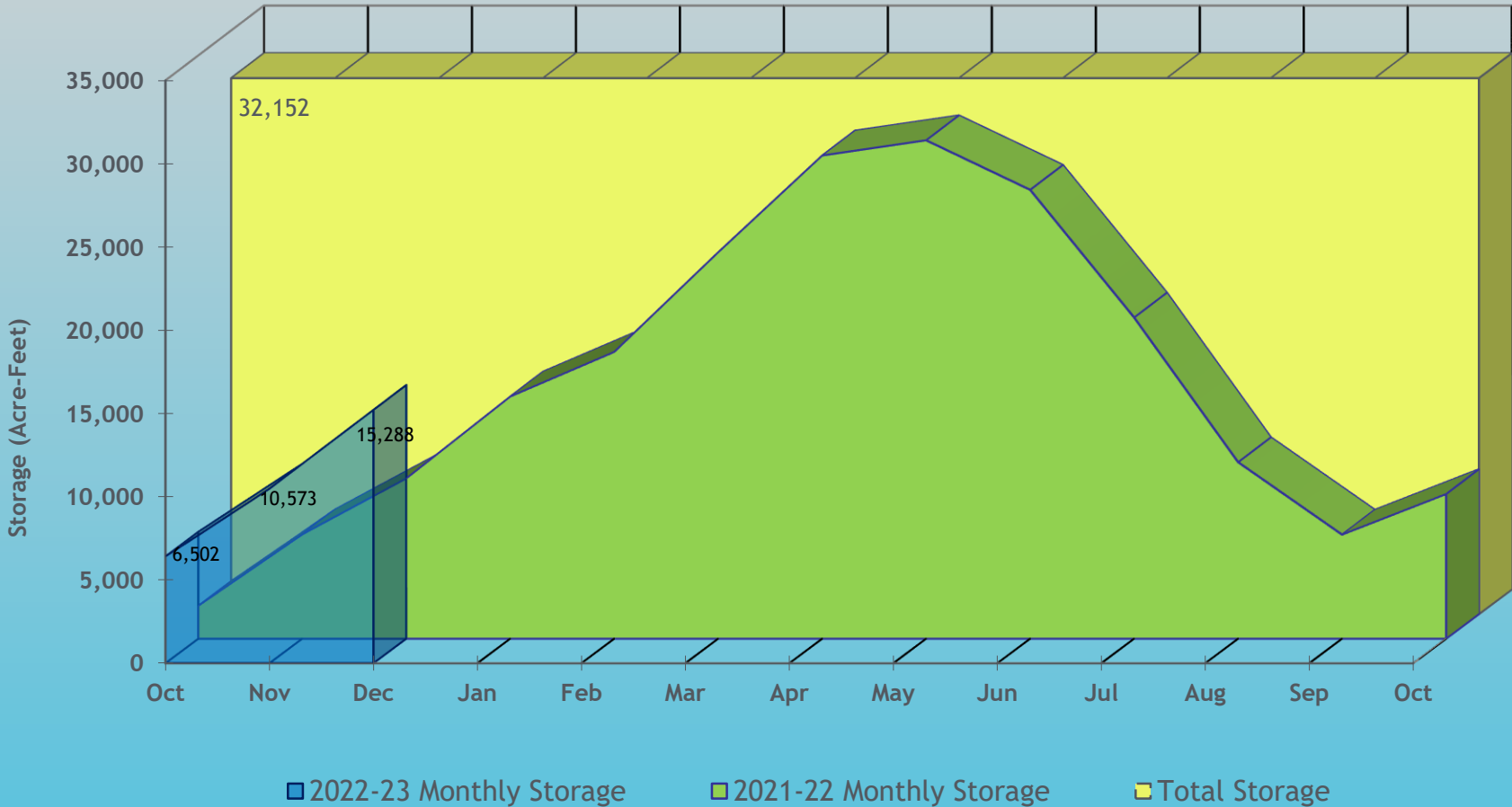
Jackson Reservoir (District 1 - Agricultural)



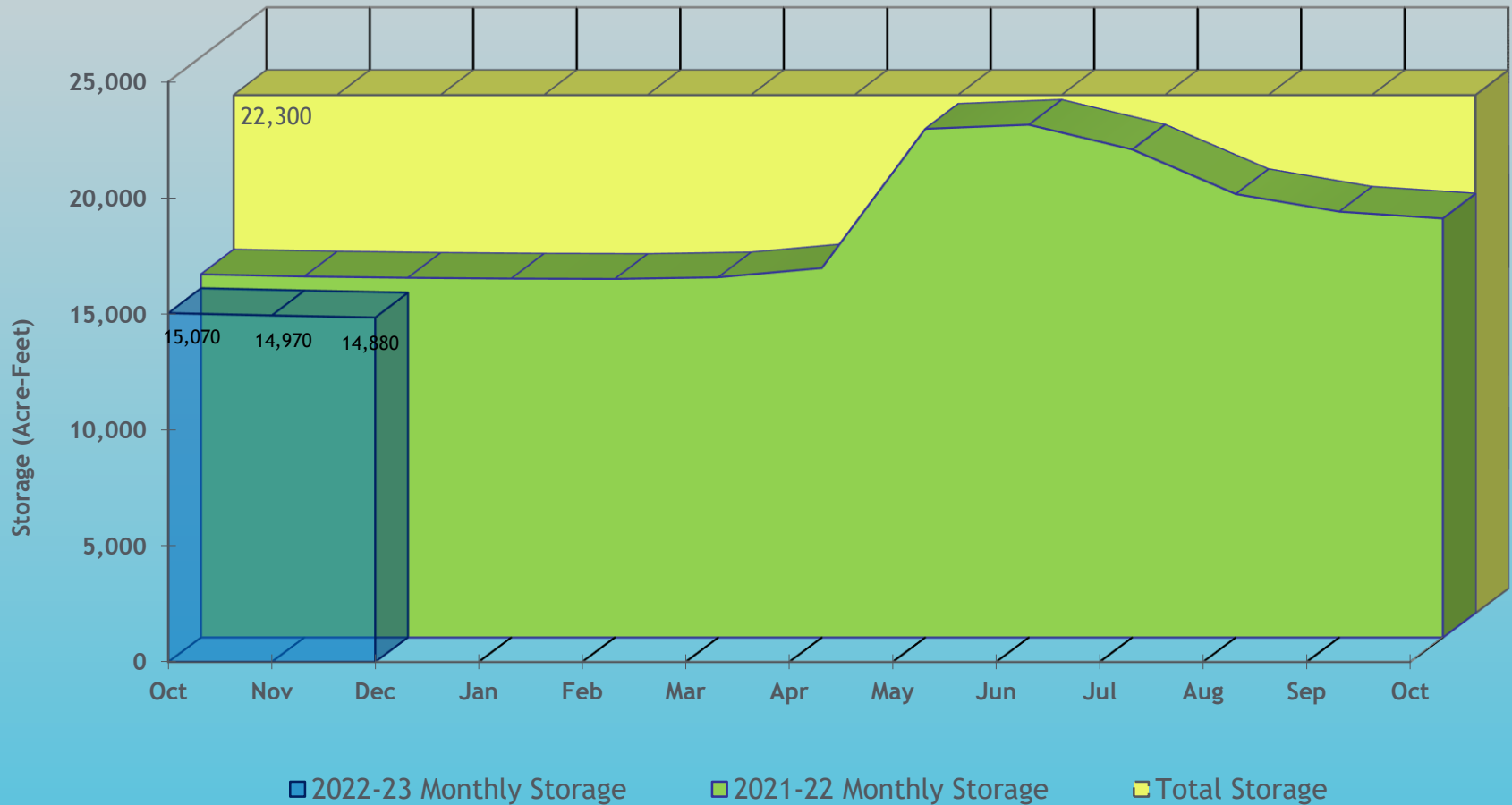
Riverside Reservoir (District 1 - Agricultural)



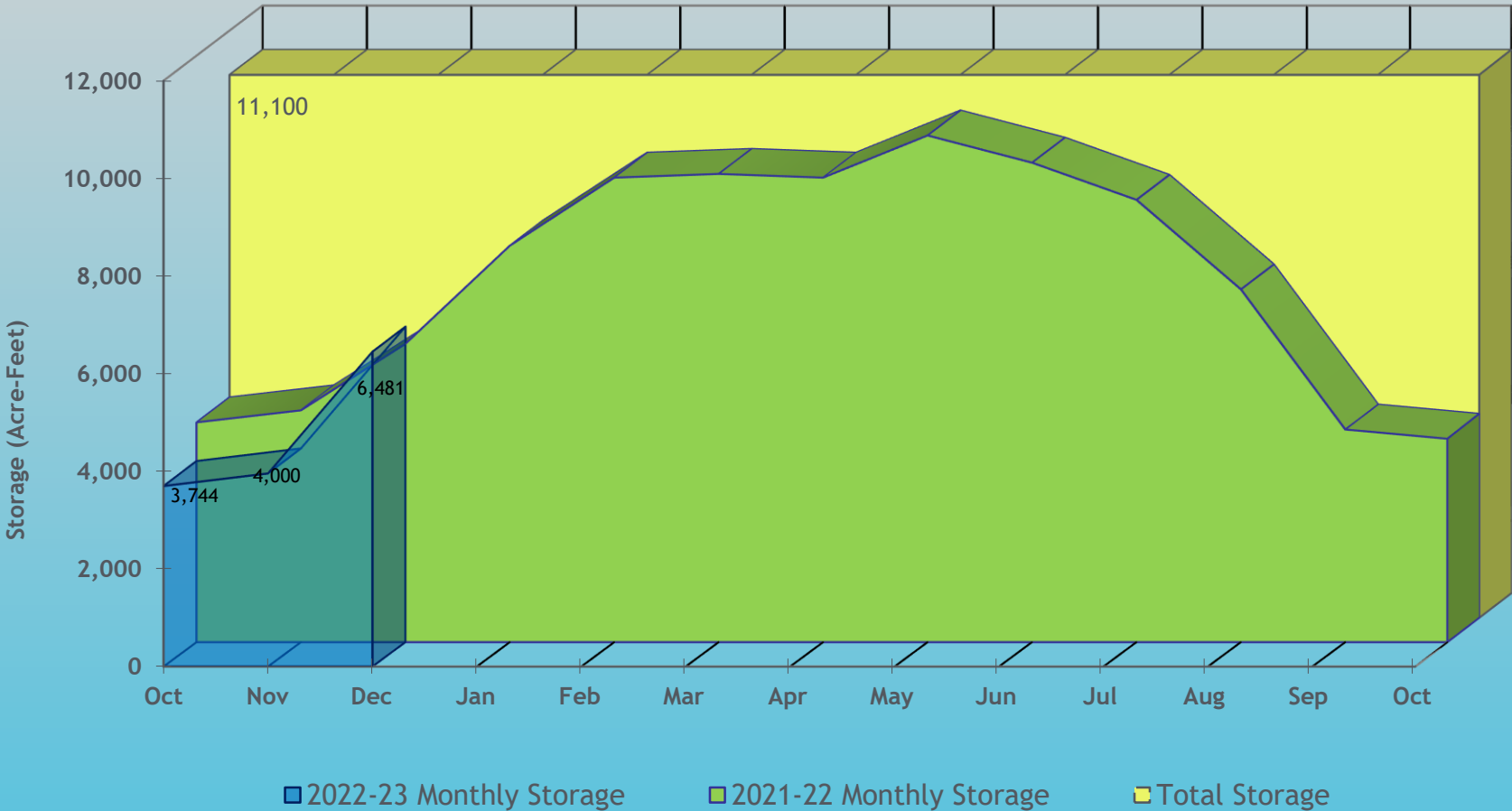
Barr Reservoir (District 2 - Agricultural)



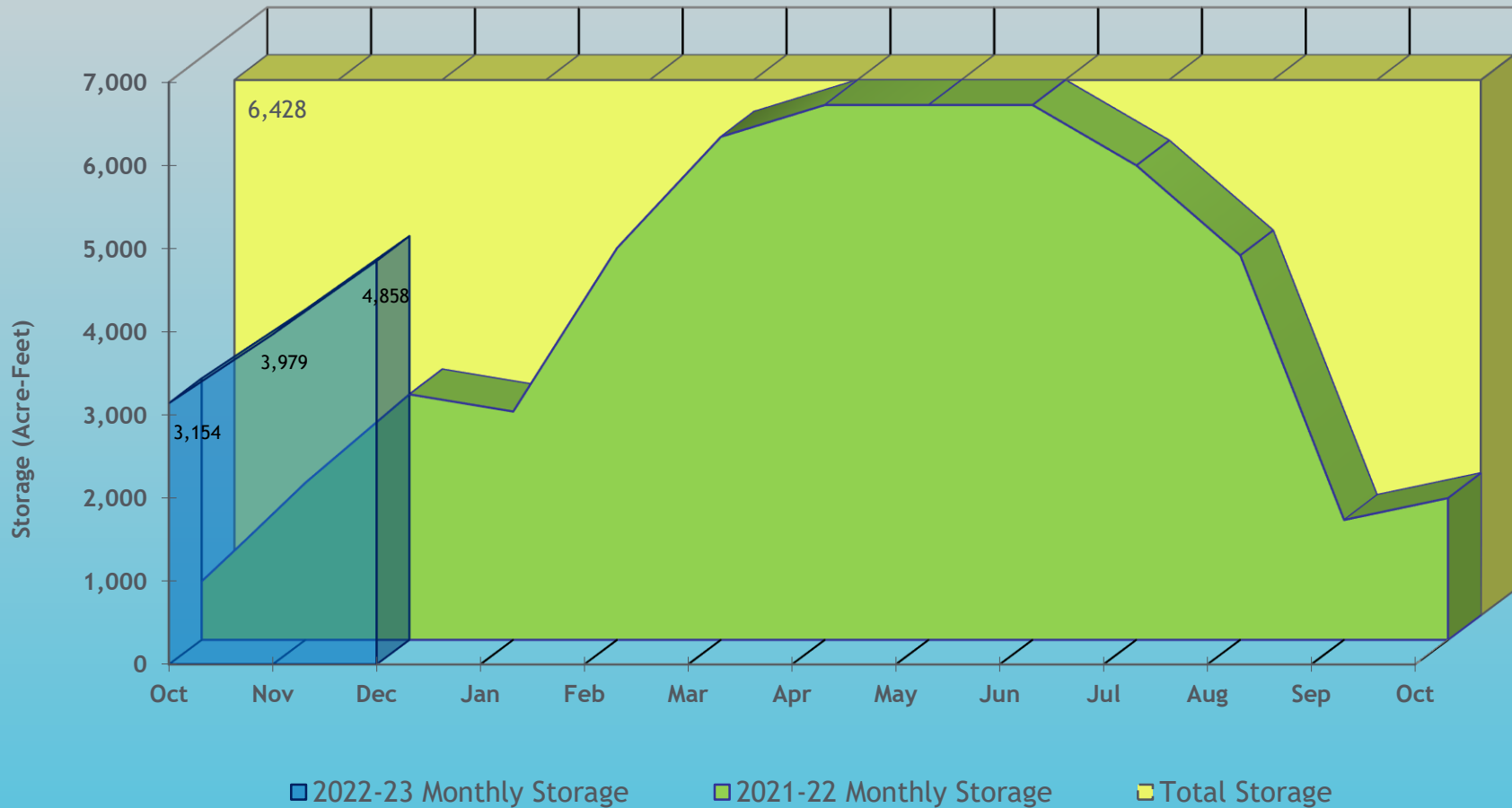
Cobb Reservoir (District 3, Poudre River - Agricultural)



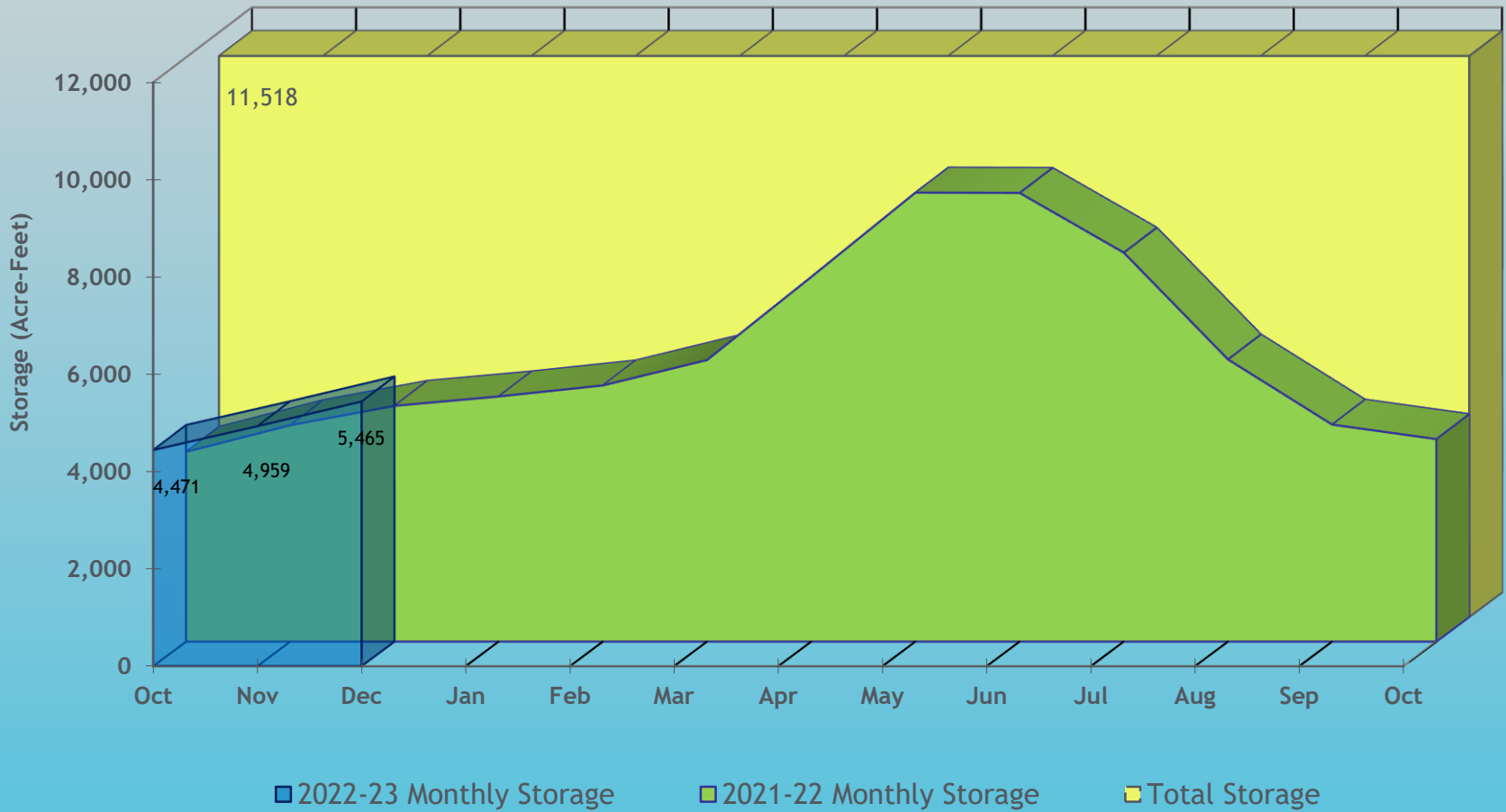
Fossil Creek Reservoir (District 3, Poudre River - Agricultural)



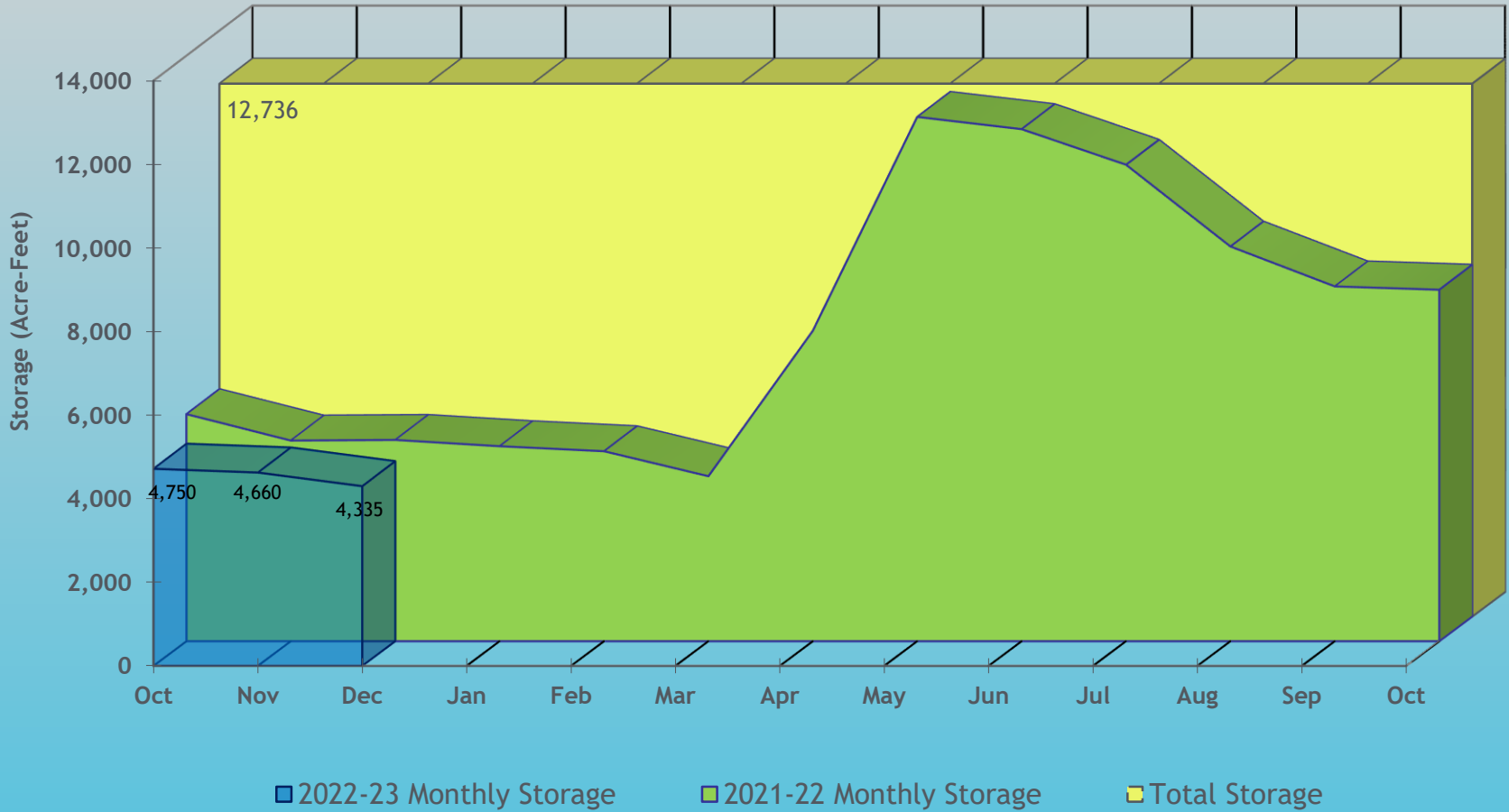
Halligan Reservoir (District 3, Poudre River - Agricultural)



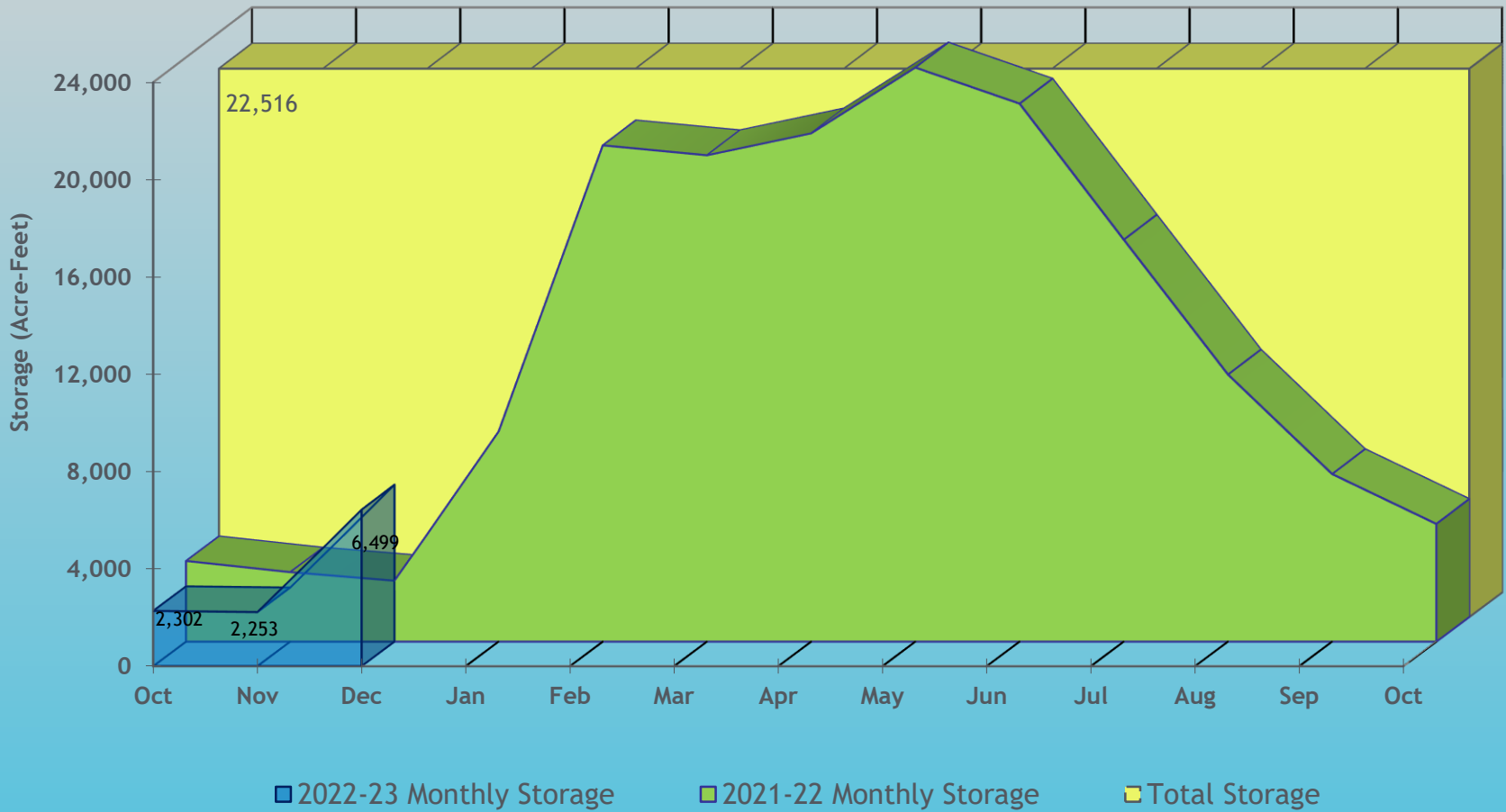
Marshall Lake (District 6, Boulder Creek - Agricultural)



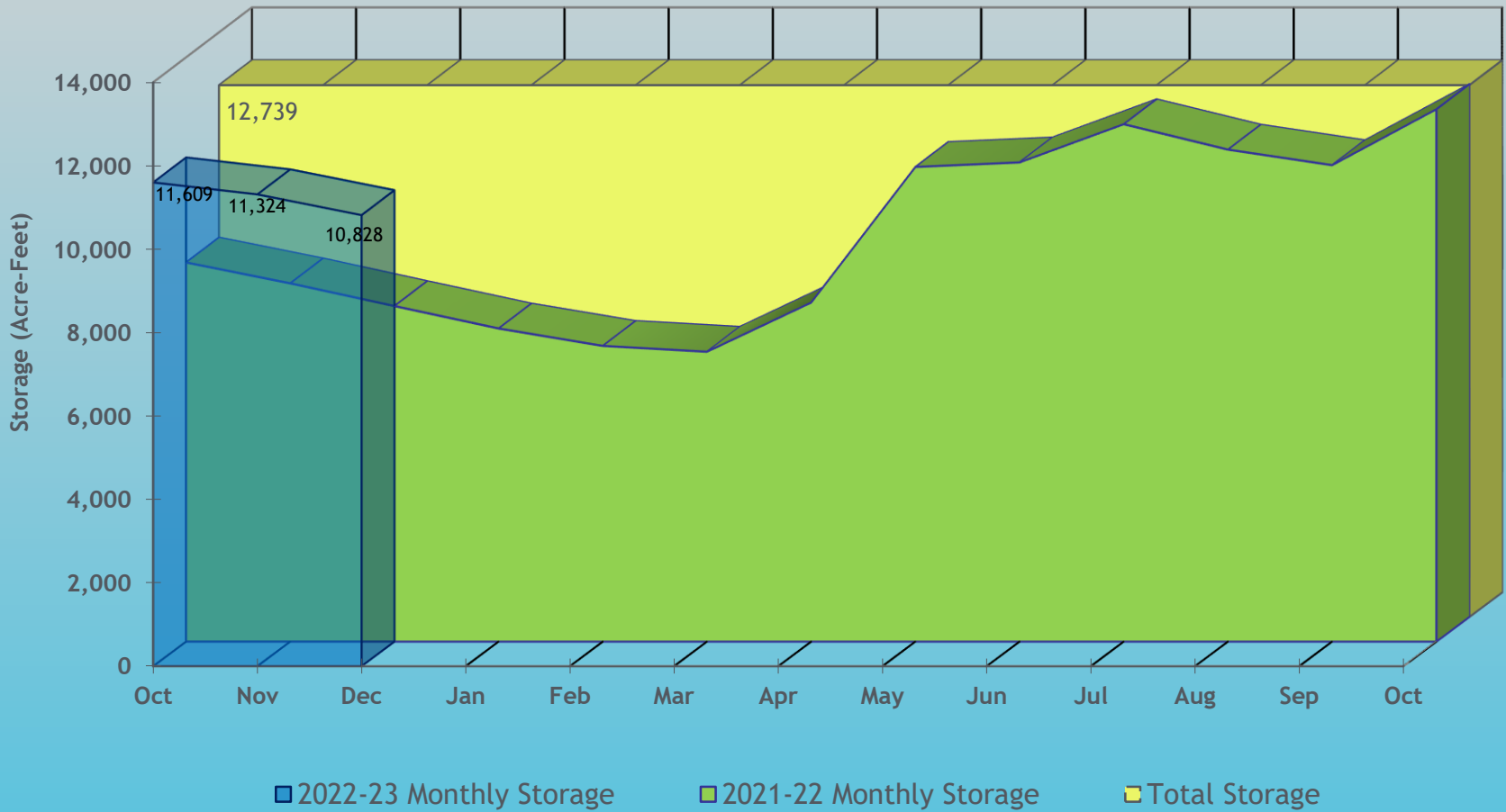
Loveland Greeley Reservoir (District 4, Big Thompson River - Agricultural)



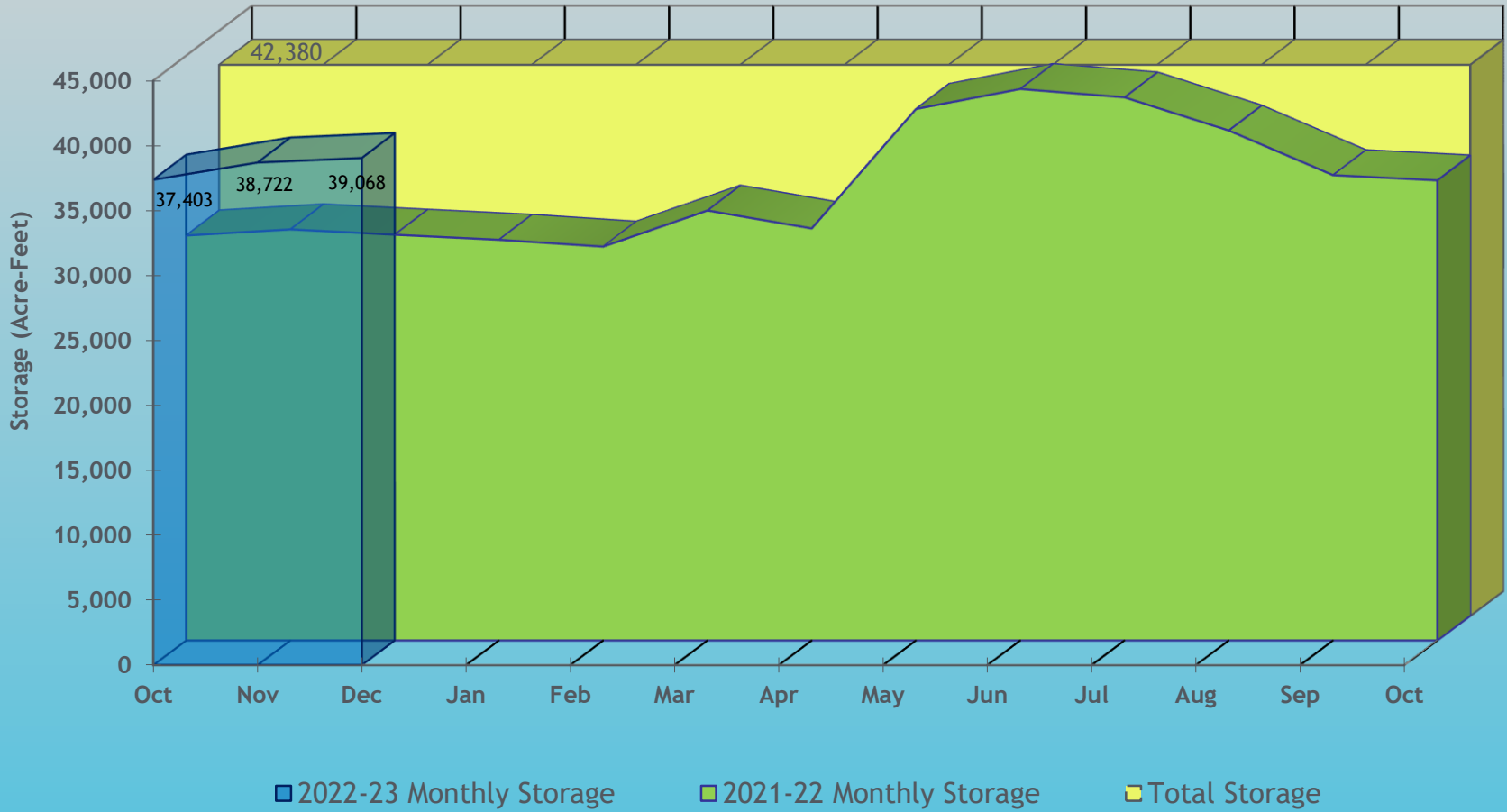
Milton Reservoir (District 2 - Agricultural)



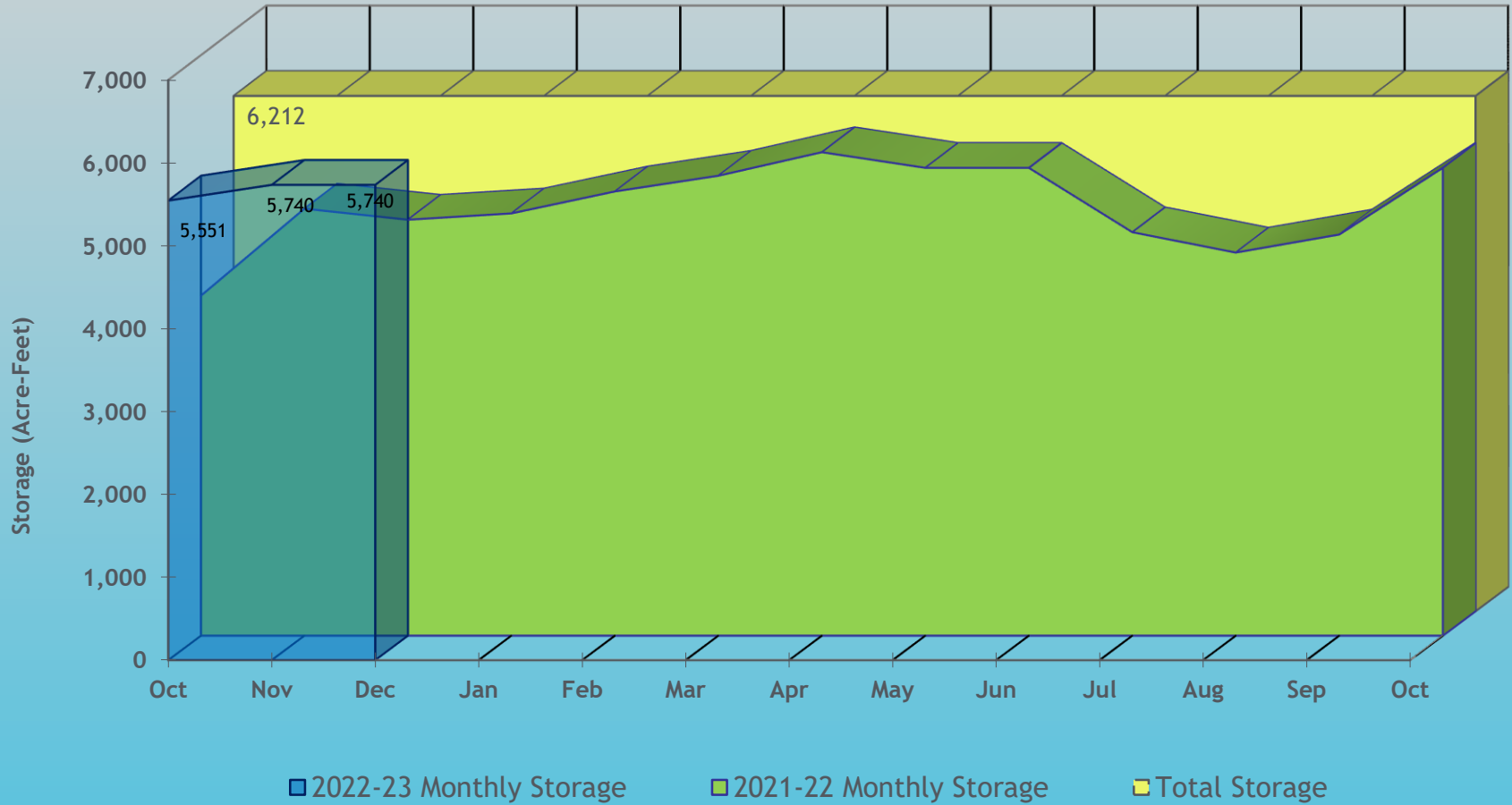
Union Reservoir (District 5, St. Vrain Creek - Agricultural)



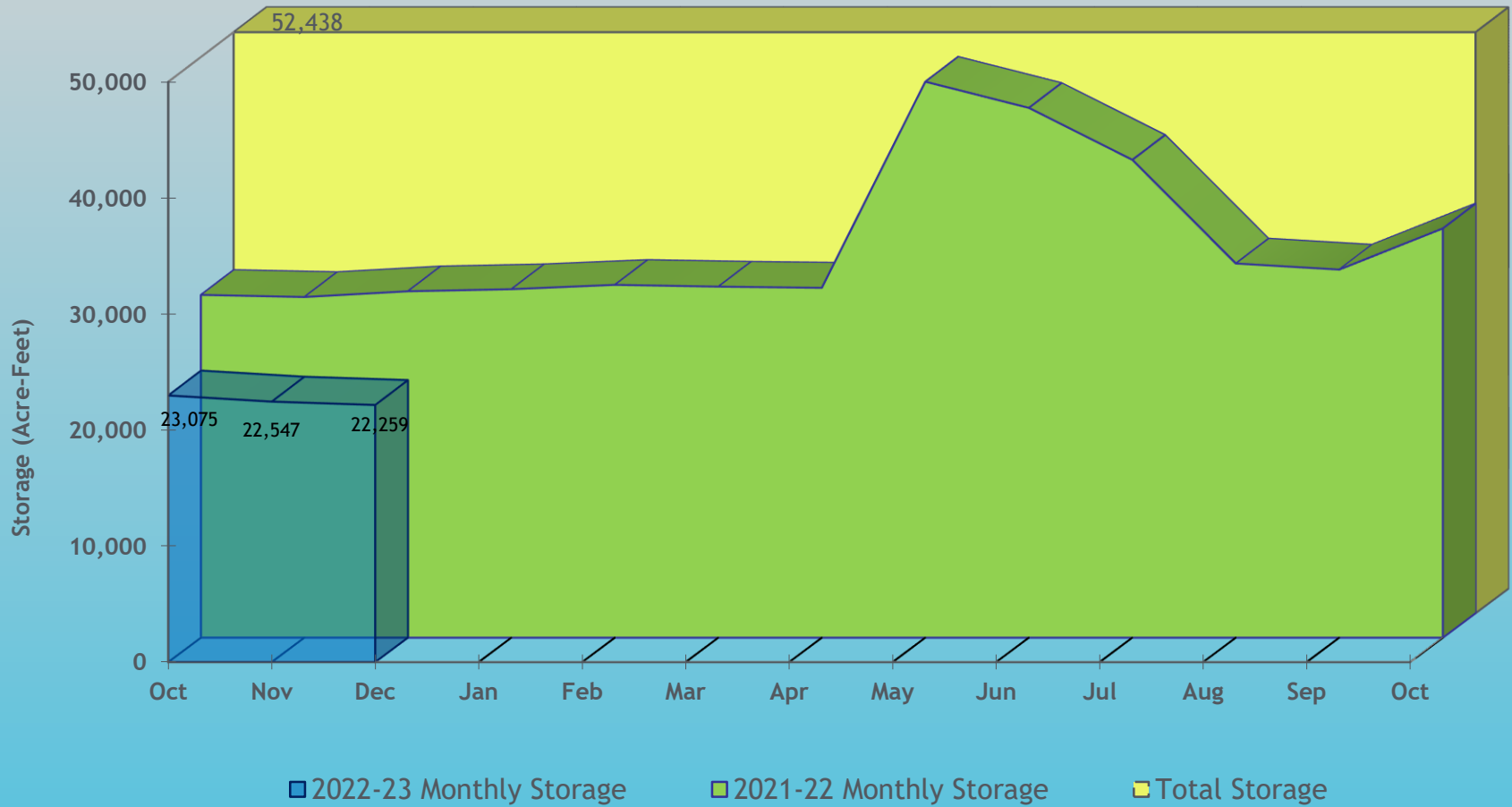
Standley Lake (Agricultural)



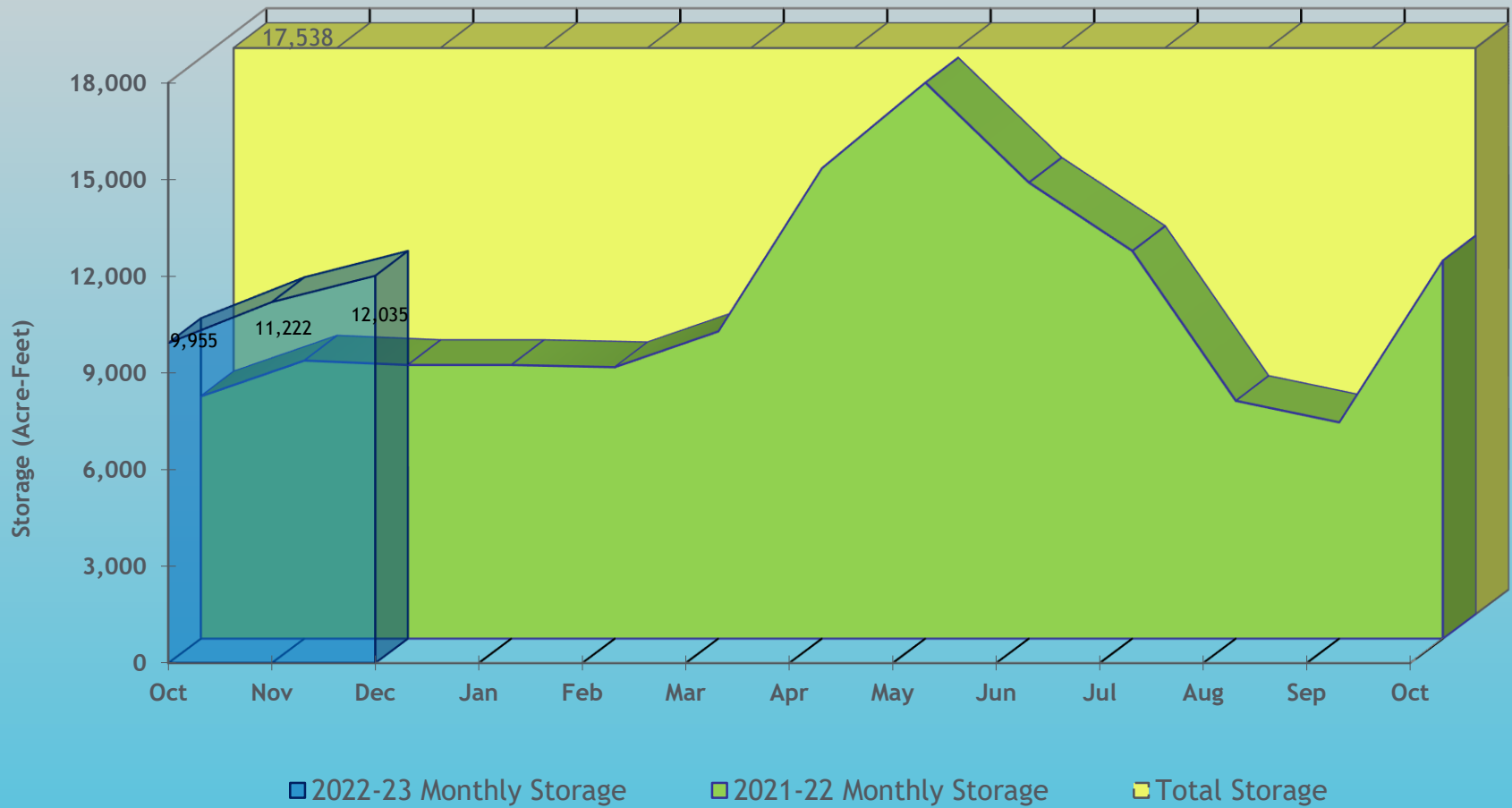
Lower Latham Reservoir (District 2 - Agricultural)



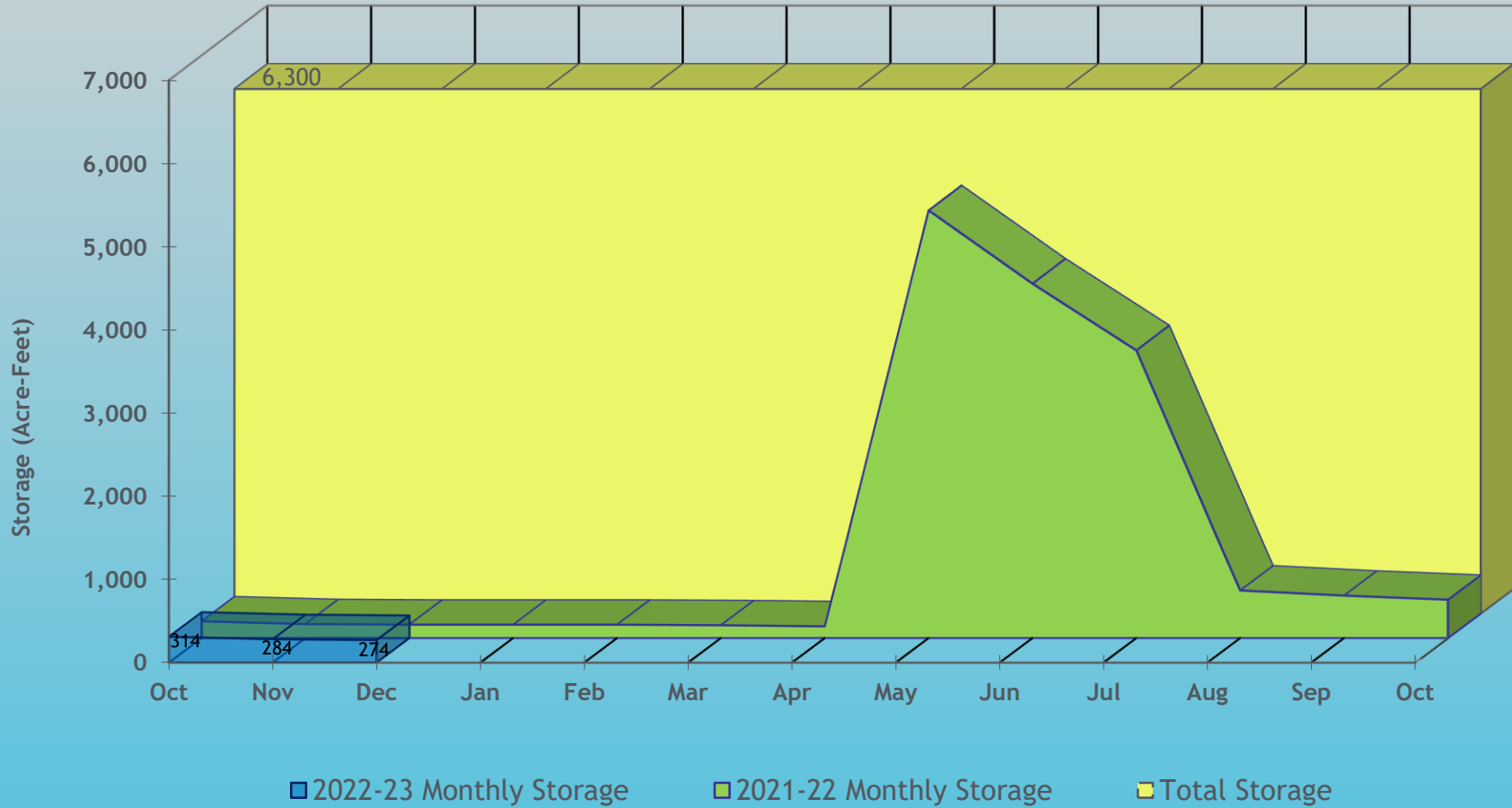
Boyd Lake (District 4, Big Thompson River - Agricultural)



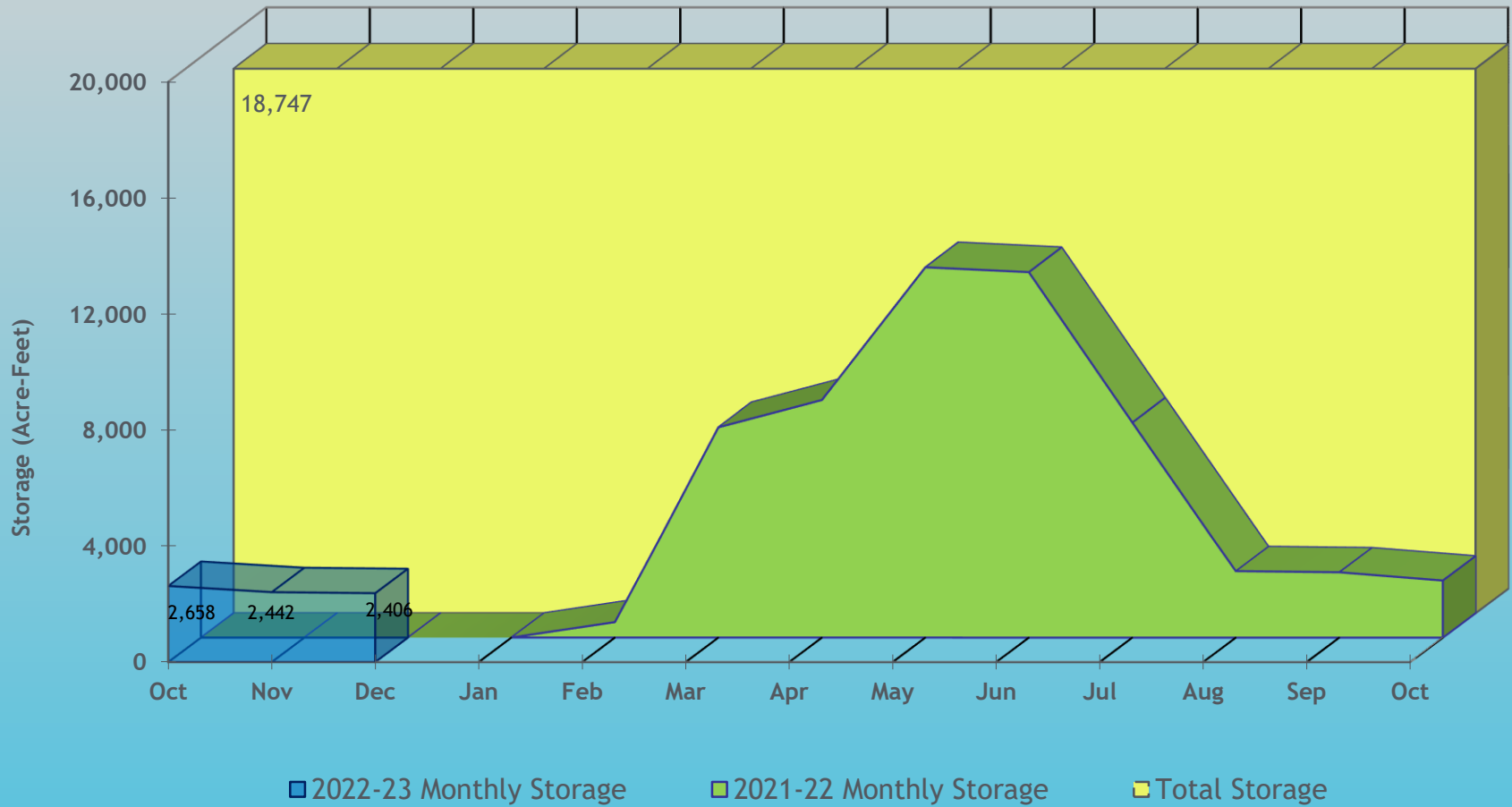
Windsor Reservoir (District 3, Poudre River - Agricultural)



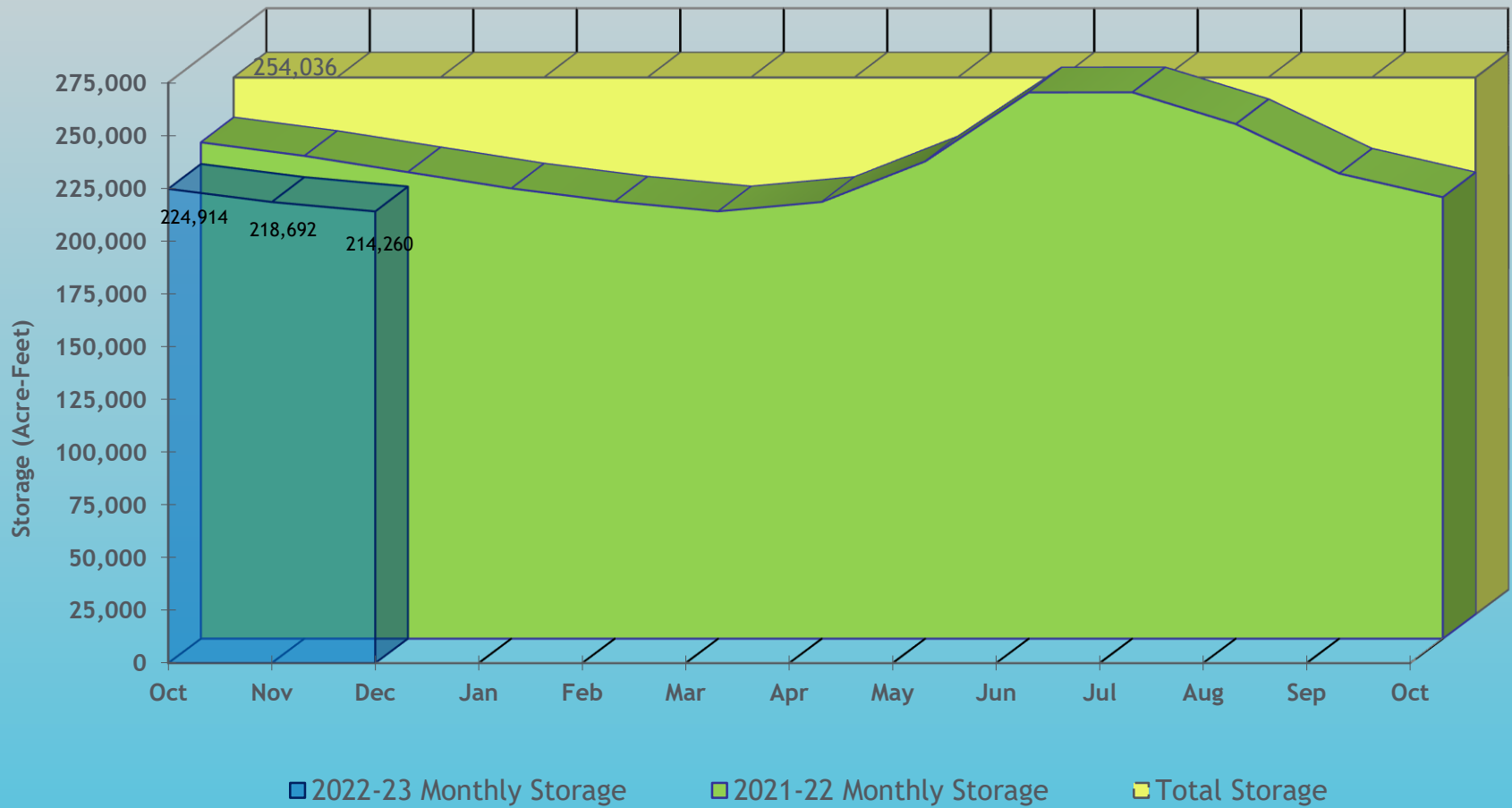
Prospect Reservoir (District 1 - Agricultural)



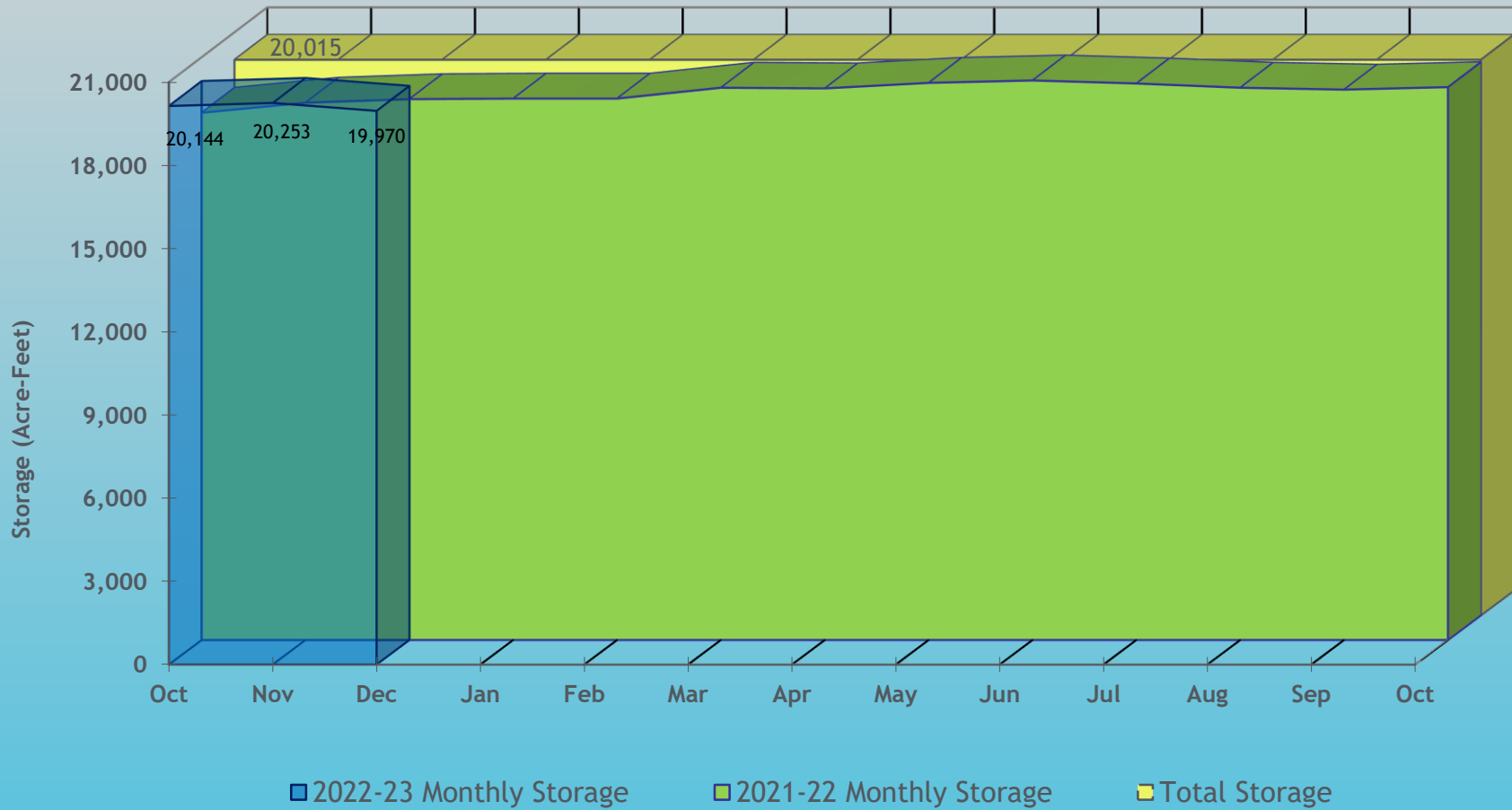
Horse Creek Reservoir (District 1 - Agricultural)



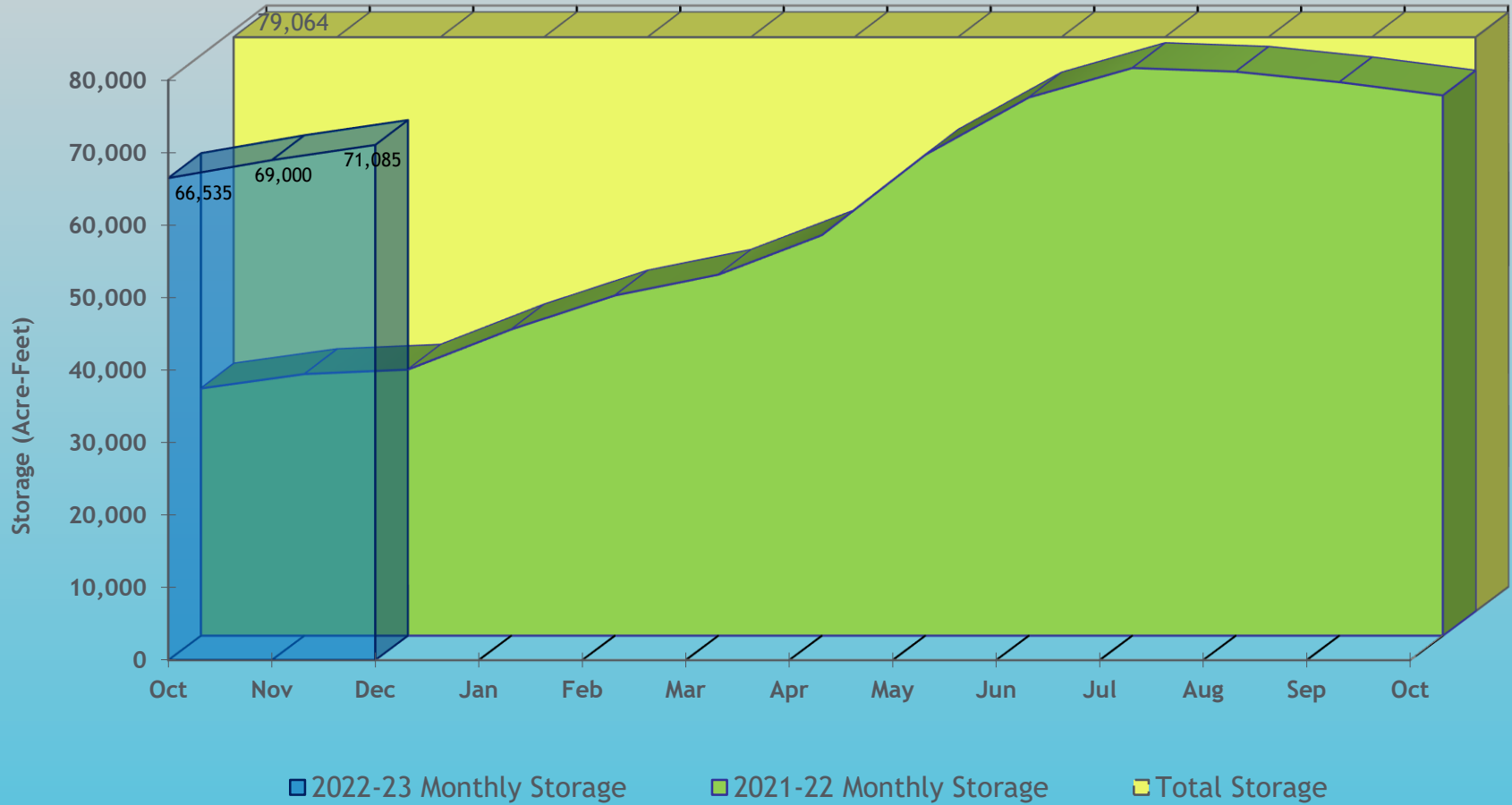
Dillon Reservoir (District 1 - Municipal)



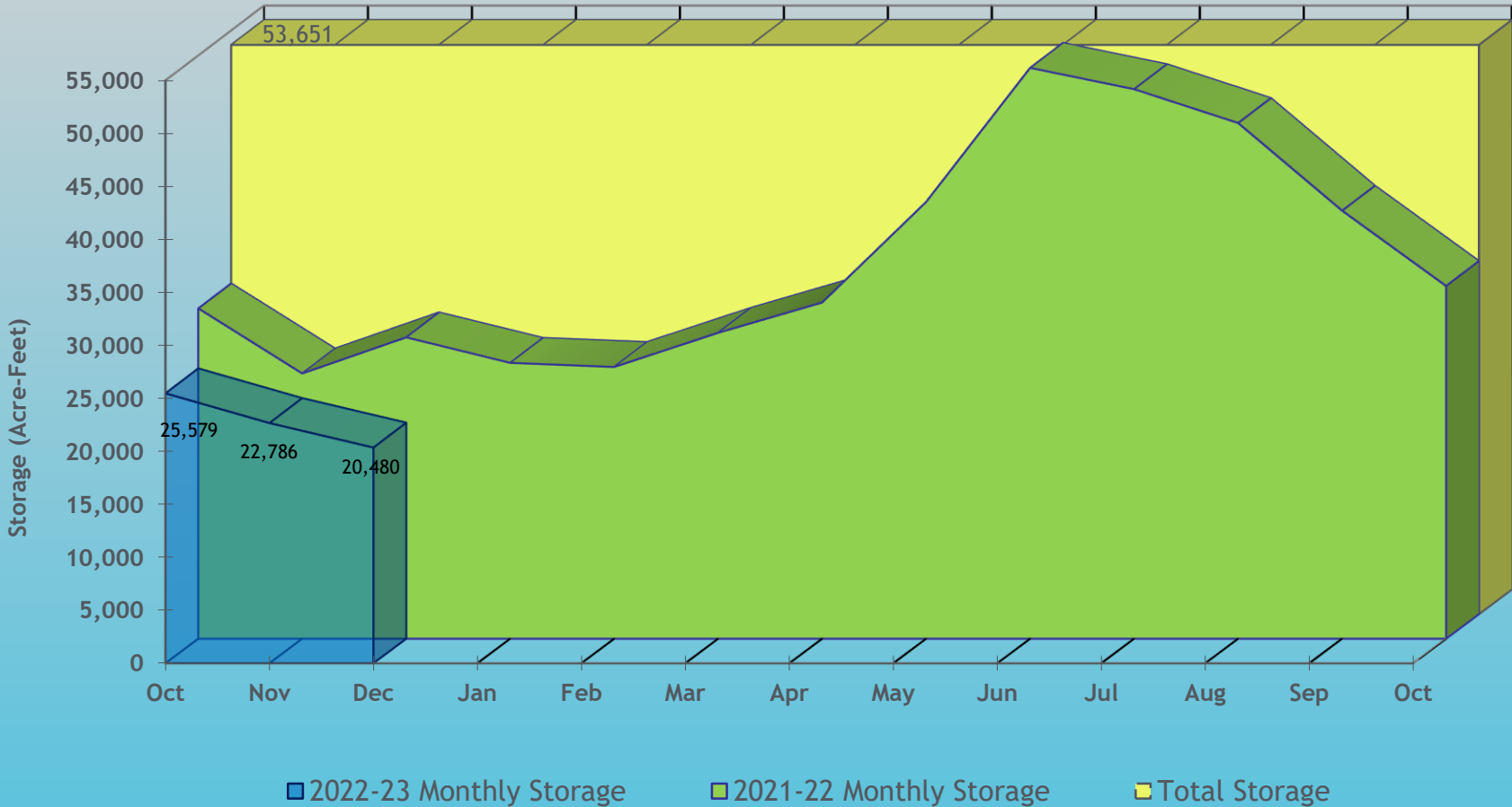
Antero Reservoir (District 23 - Municipal)



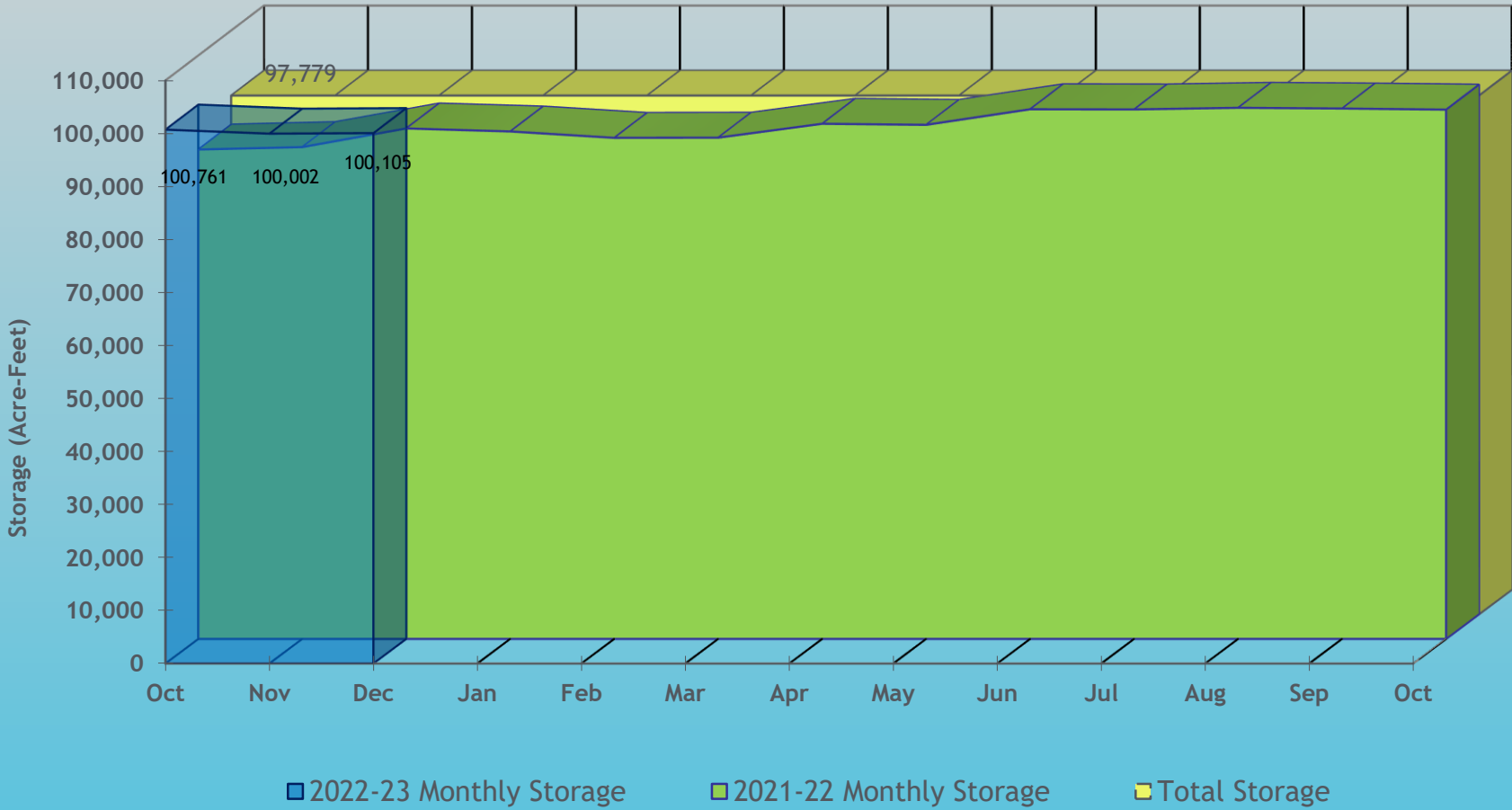
Cheesman Reservoir (District 80 - Municipal)



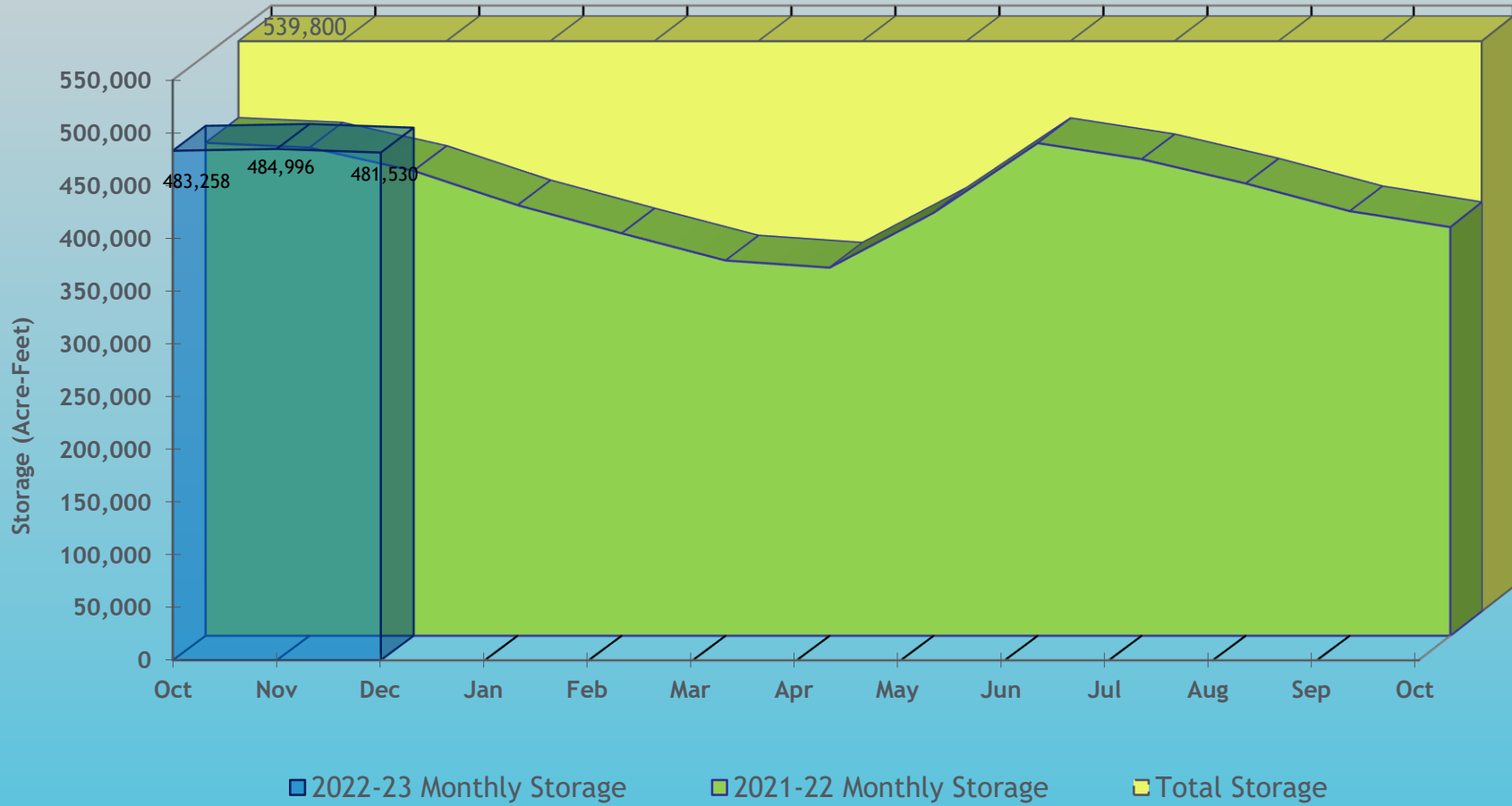
Spinney Mountain Reservoir (District 23 - Municipal)



Eleven Mile Reservoir (District 23 - Municipal)



Lake Granby





All data is collected by the personnel of Division 1 and is subject to revision.