



COLORADO
Division of Water Resources
Department of Natural Resources

South Platte Summary June 2022

Compiled by Lee Cunning, P.E.

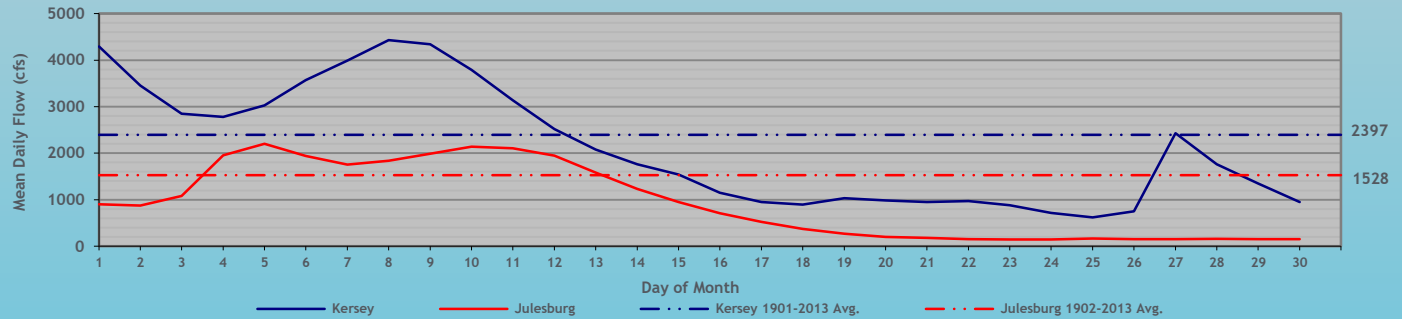
COLORADO DIVISION OF WATER RESOURCES, DIVISION 1

MONTH OF June 2022

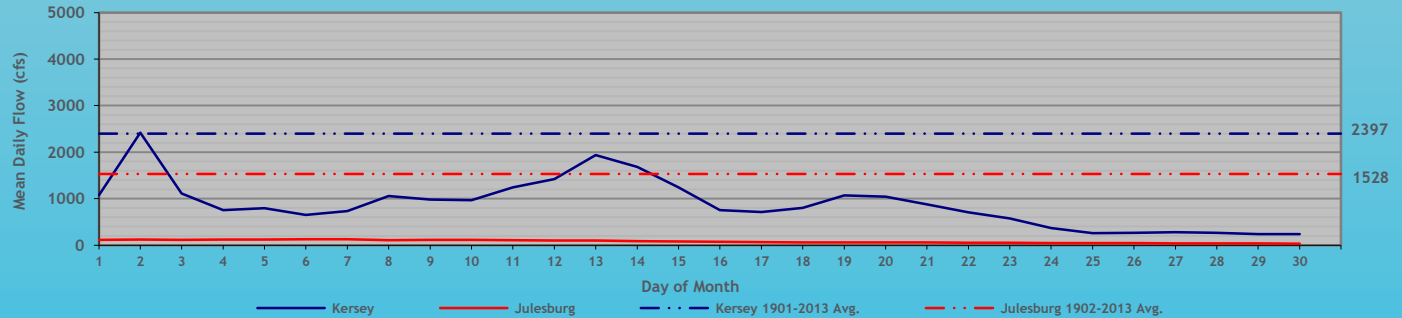
RESERVOIR	FULL ALLOWABLE CAPACITY (ACRE FEET)	FIRST OF MONTH (ACRE FEET)	END OF MONTH (ACRE FEET)	DISTRICT	CHANGE IN STORAGE (ACRE FEET)	% CHANGE IN STORAGE BASED ON FIRST OF MONTH STORAGE	% OF CURRENT FULL ALLOWABLE CAPACITY	% OF CURRENT FULL ALLOWABLE CAPACITY THIS MONTH LAST YEAR	SURCHARGE (ACRE FEET)
JULESBURG	22,666	18,014	15,596	64	-2,418	-13%	69%	90%	0
N STERLING	73,730	61,083	50,889	64	-10,194	-17%	69%	83%	0
PREWITT	28,500	22,315	19,656	64	-2,659	-12%	69%	87%	0
JACKSON	27,257	23,714	22,537	1	-1,177	-5%	83%	96%	0
EMPIRE	37,700	27,164	21,164	1	-6,000	-22%	56%	78%	0
RIVERSIDE	63,113	42,458	34,313	1	-8,145	-19%	54%	73%	0
BARR LAKE	32,152	21,564	18,388	2	-3,176	-15%	57%	84%	0
CHEESMAN	79,064	63,413	70,091	80	6,678	11%	89%	94%	0
ELEVEN MILE	97,779	100,761	100,243	23	-518	-1%	100%	100%	2,464
SPINNEY	53,651	35,854	46,118	23	10,264	29%	86%	100%	0
ANTERO	20,015	20,736	20,406	23	-330	-2%	100%	100%	391

RIVER GAGES	MEAN DAILY FLOW (CFS)
KERSEY	884
JULESBURG	80
THIS MONTH LAST YEAR	
KERSEY	2132
JULESBURG	937
MEAN FOR PERIOD OF RECORD*	
KERSEY	2397
JULESBURG	1528
*Kersey 1901 - 2016	*Julesburg 1902 - 2016

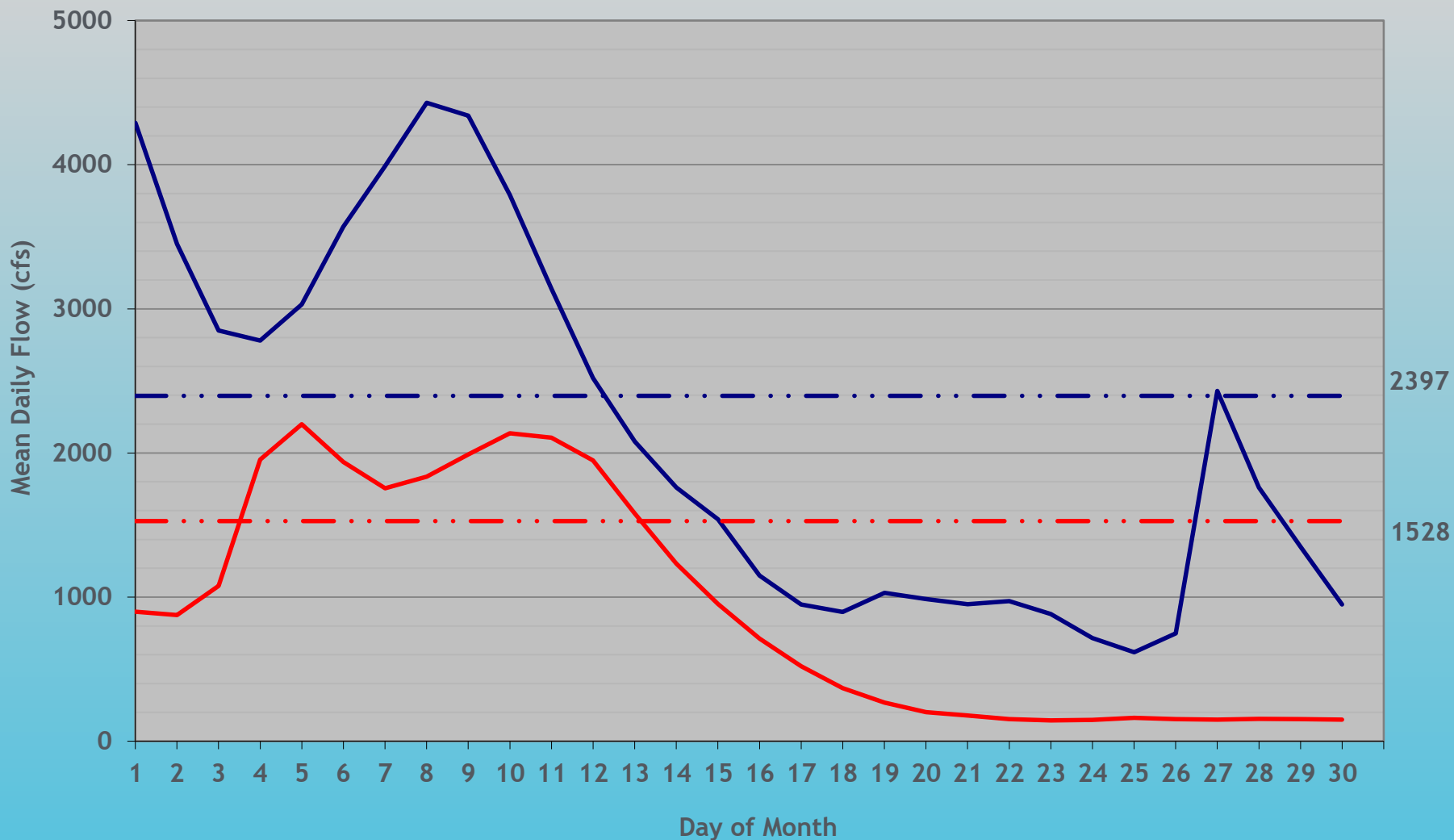
**KERSEY and JULESBURG
June 2021**



**KERSEY and JULESBURG
June 2022**

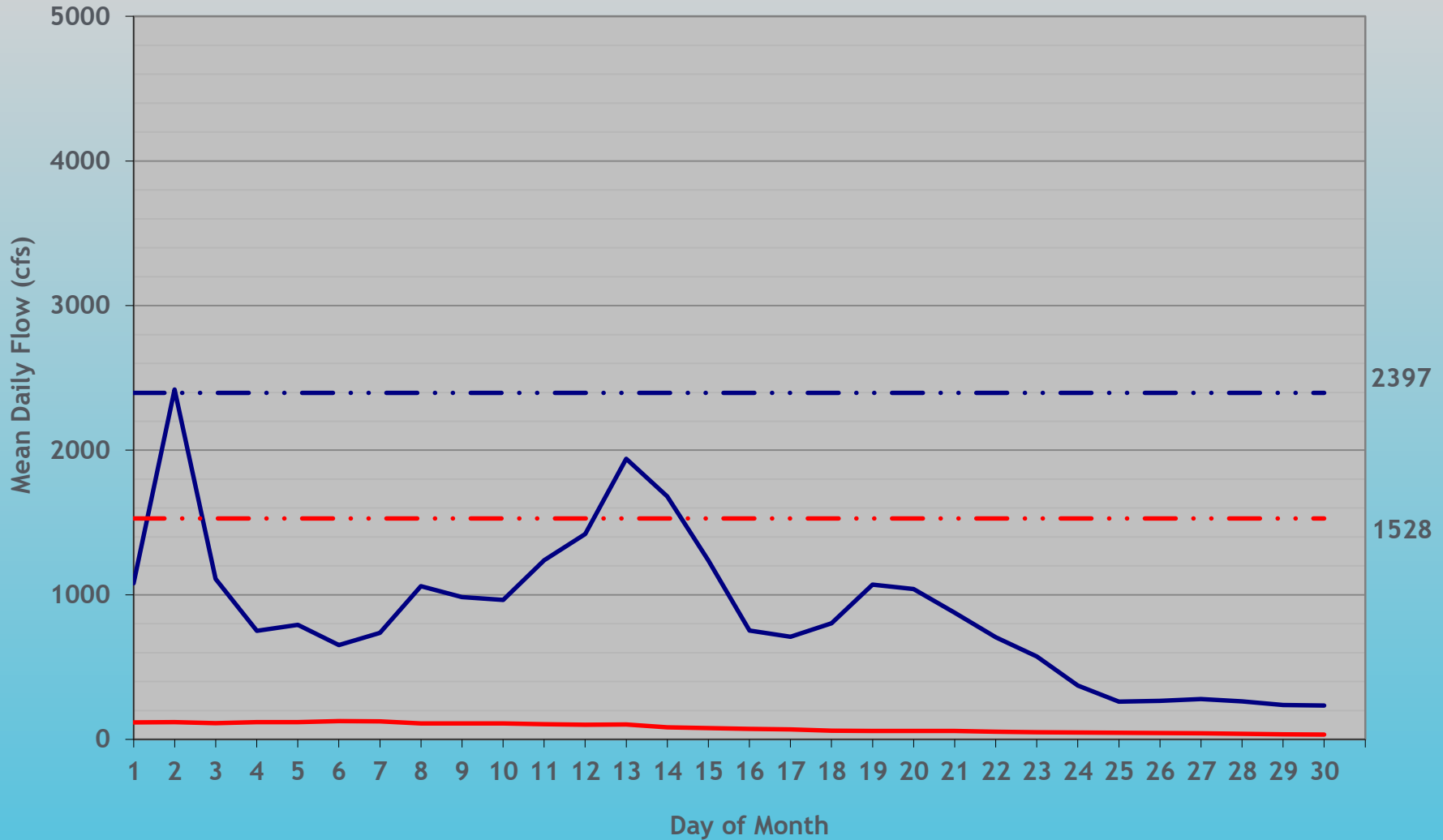


KERSEY and JULESBURG June 2021



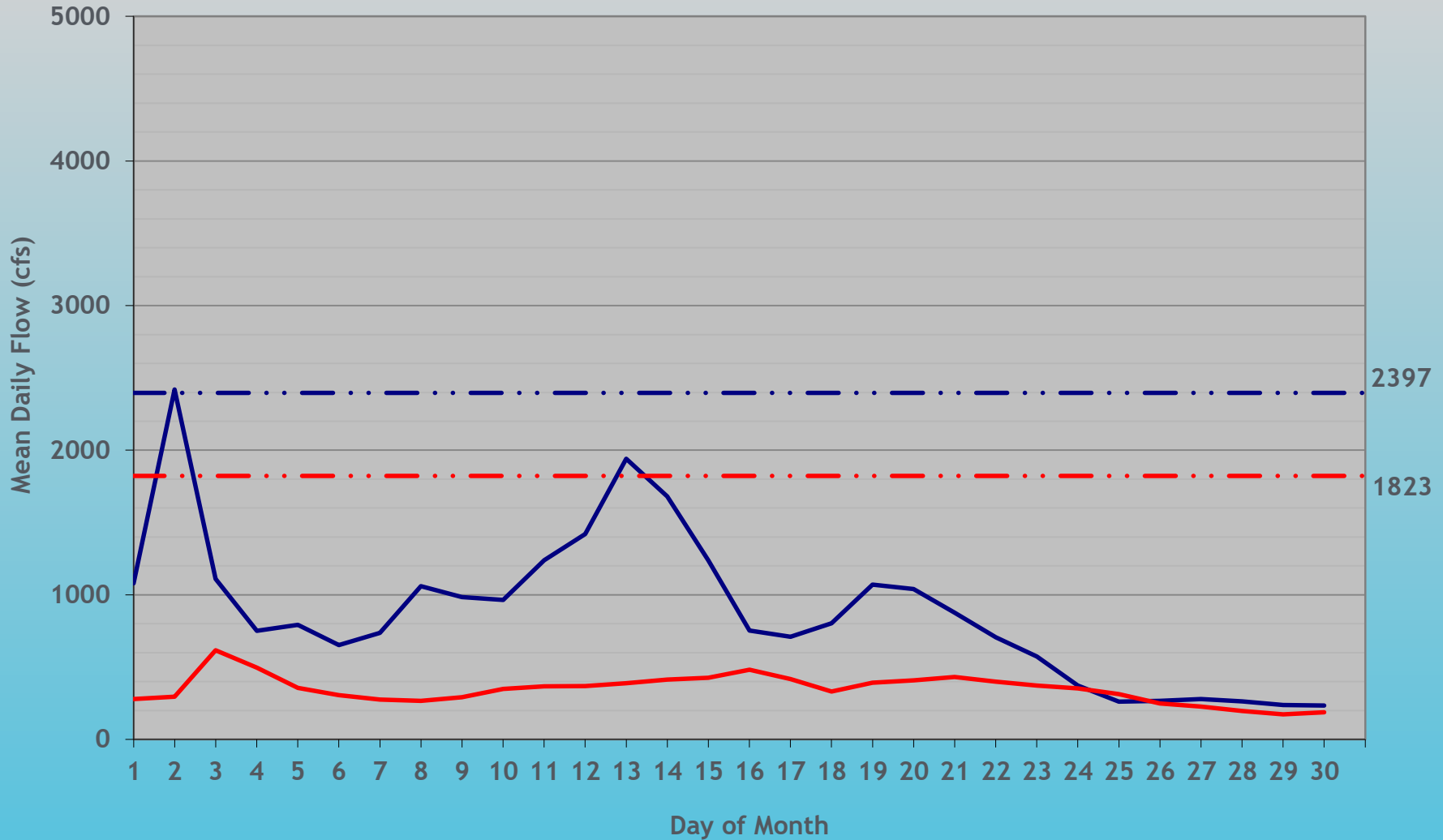
— Kersey — Julesburg — • Kersey 1901-2013 Avg. — • Julesburg 1902-2013 Avg.

KERSEY and JULESBURG June 2022



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

KERSEY and BALZAC June 2022



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 2022 Mean Monthly Flow	Month	Historic* Mean Flow	Historic* Max Flow	Year	Historic* Min Flow	Year	IY 2022 Mean Monthly Flow
Oct	667	6180	1984	66	1954	534	Oct	299	3130	1984	4.2	1903	119
Nov	747	3650	1984	70	1934	808	Nov	335	2900	1984	4.2	1903	45
Dec	685	1890	1961	91	1934	708	Dec	401	1820	1984	13	2002	113
Jan	652	2160	1974	158	1935	379	Jan	512	2510	1970	21	2003	266
Feb	671	3060	1914	152	1935	638	Feb	578	3220	1930	29	2005	145
Mar	688	3470	1983	80	1935	676	Mar	512	12900	1910	15	1904	119
Apr	842	18100	1942	28	1955	312	Apr	514	14400	1942	4.0	1904	145
May	1728	26100	1973	29	1955	438	May	994	18100	1973	12	1911	110
Jun	2308	31000	1921	52	1954	884	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	

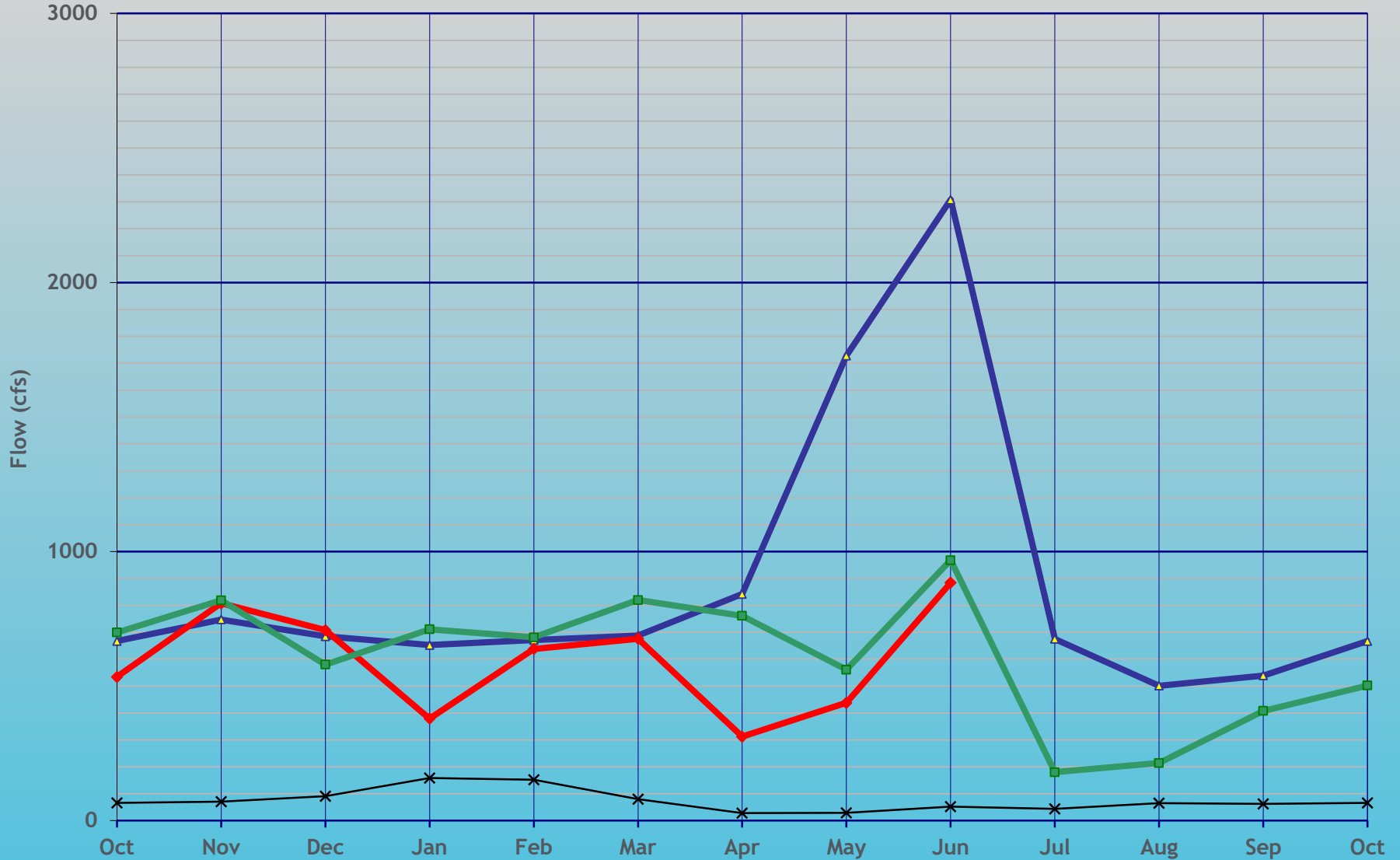
*Period of record 1902-2021

*Period of record 1902-2021



South Platte River at Kersey

Irrigation Year



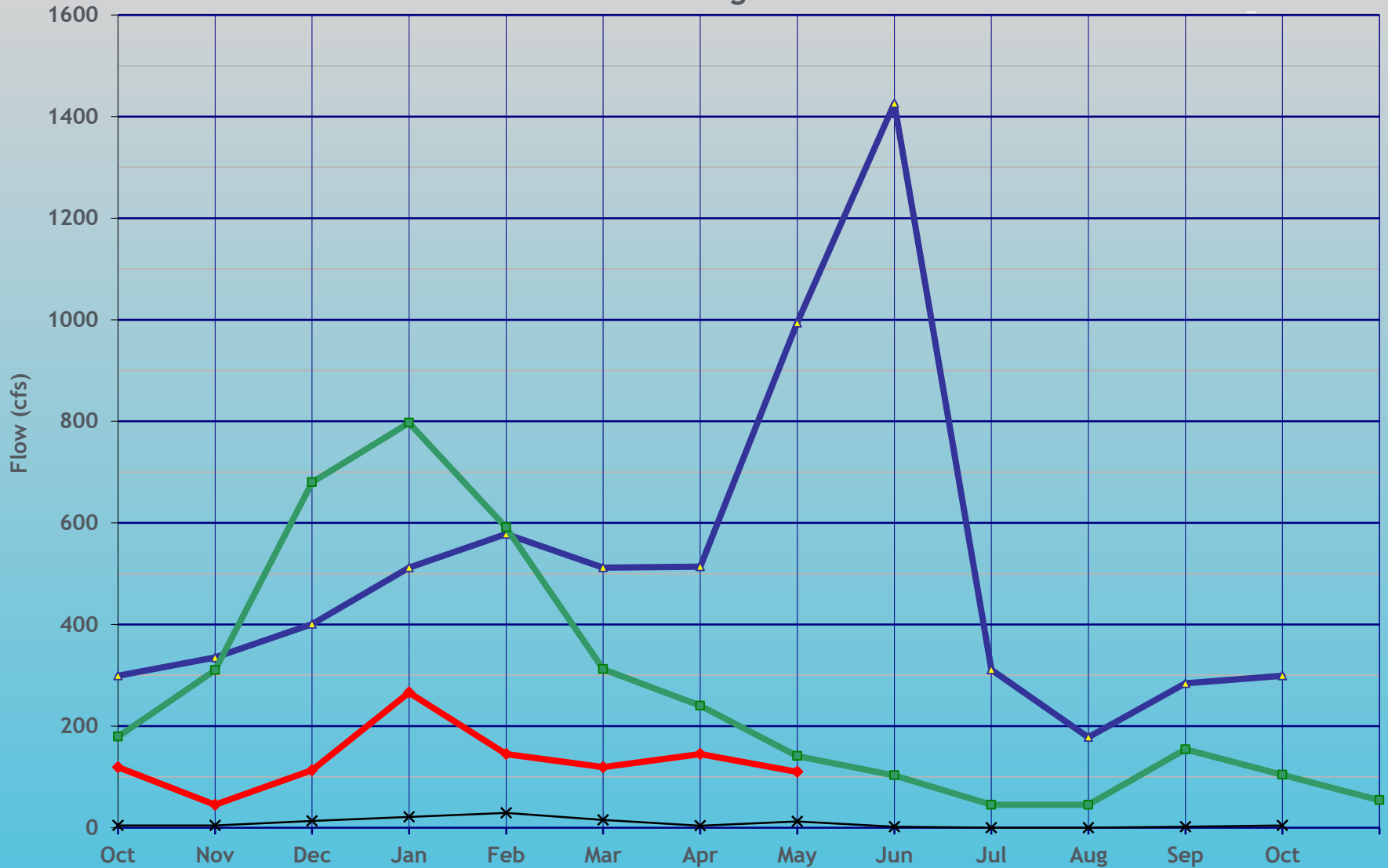
Historic* Mean Flow Historic* Min Flow 2021-2022 Mean Flow 2020-2021 Mean Flow

*1901-2016



South Platte River at Julesburg

Irrigation Year



Historic* Mean Flow Historic* Min Flow 2021-2022 Mean Flow 2020-2021 Mean Flow

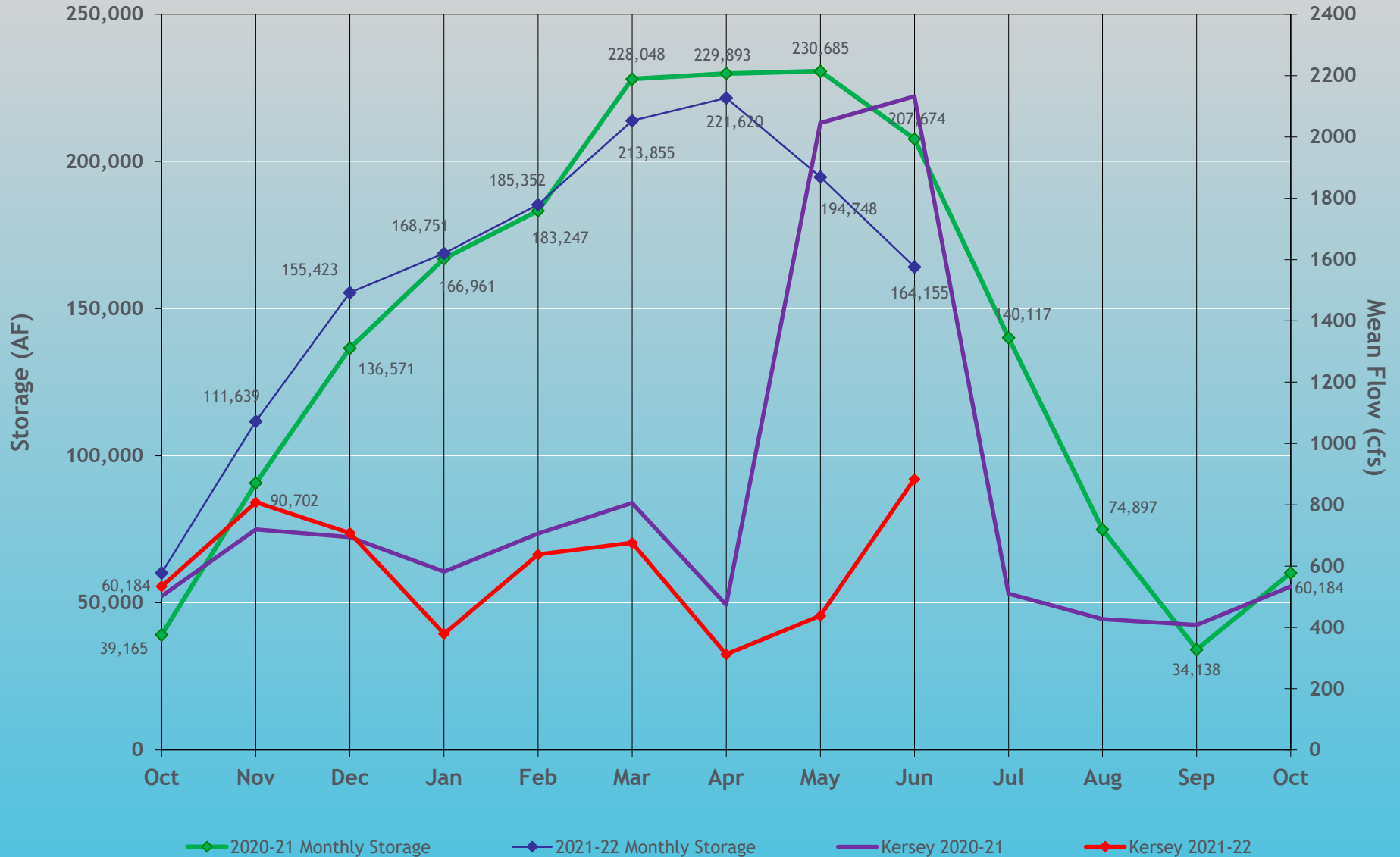
*1901-2016



Next three slides show Reservoir
Storage above and below Kersey

Reservoir Storage below Kersey

Selected Reservoirs*



2020-21 Monthly Storage

2021-22 Monthly Storage

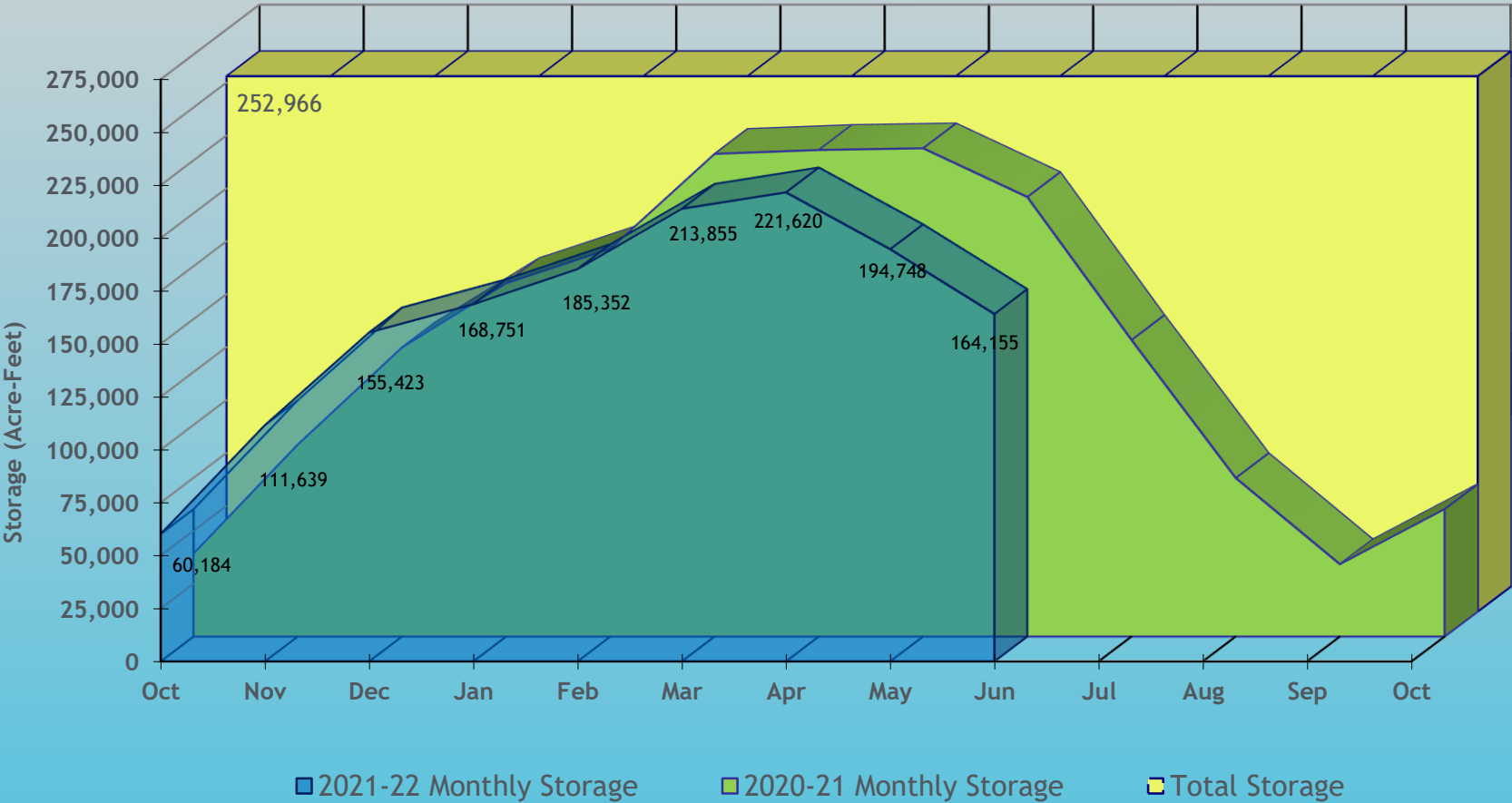
Kersey 2020-21

Kersey 2021-22

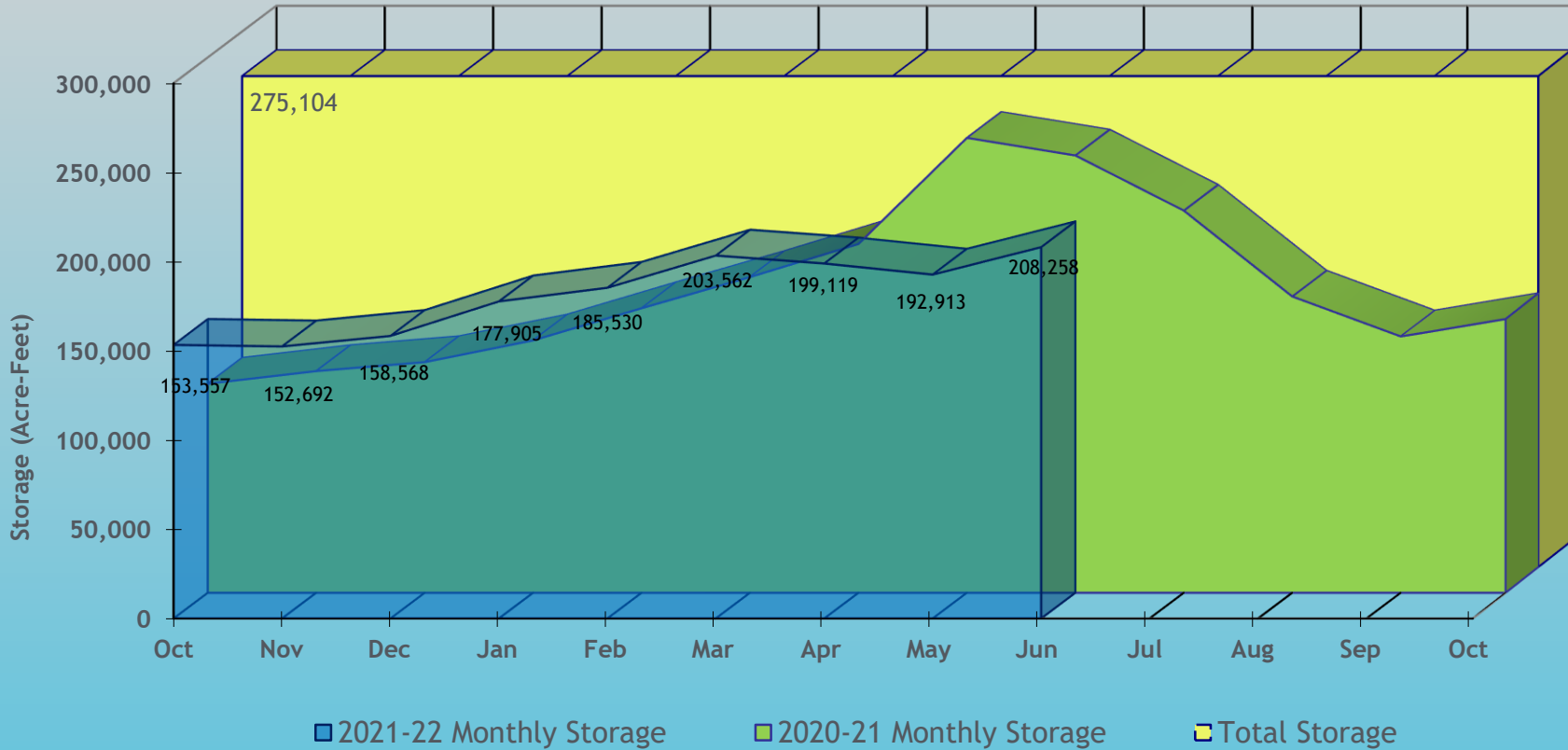


Colorado Department of Natural Resources
 Empire, Riverside, Jackson, Prewitt, North Sterling, & Julesburg

South Platte Reservoir Storage below Kersey*



South Platte Reservoir Storage above Kersey*

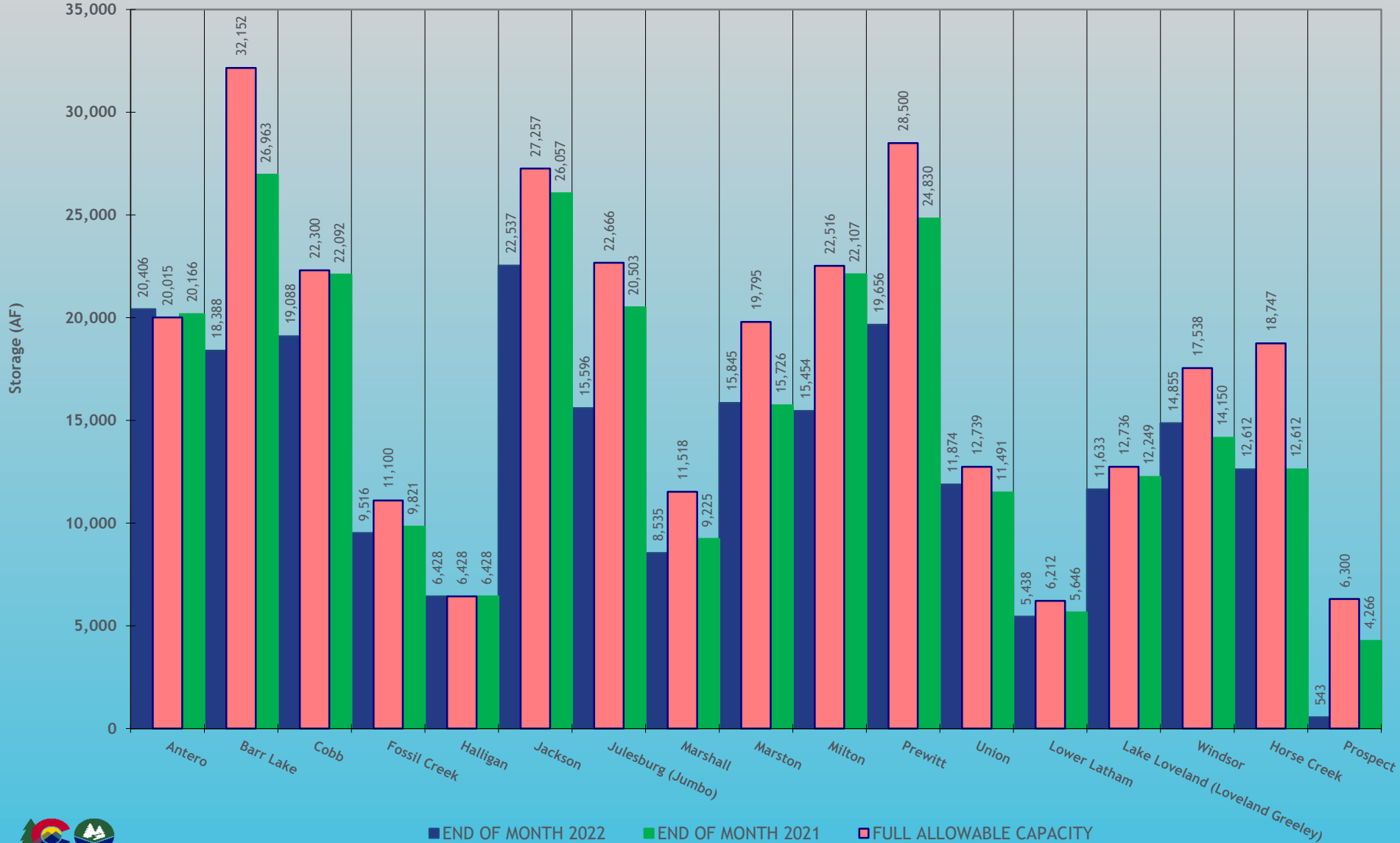


*Barr, Cobb, Fossil Crk, Halligan, Marshall, Milton, Union, Standley, Lower Latham, Boyd, Loveland, Windsor, Horse Crk, & Prospect





June Reservoir Change in Storage IY2021 versus IY2022



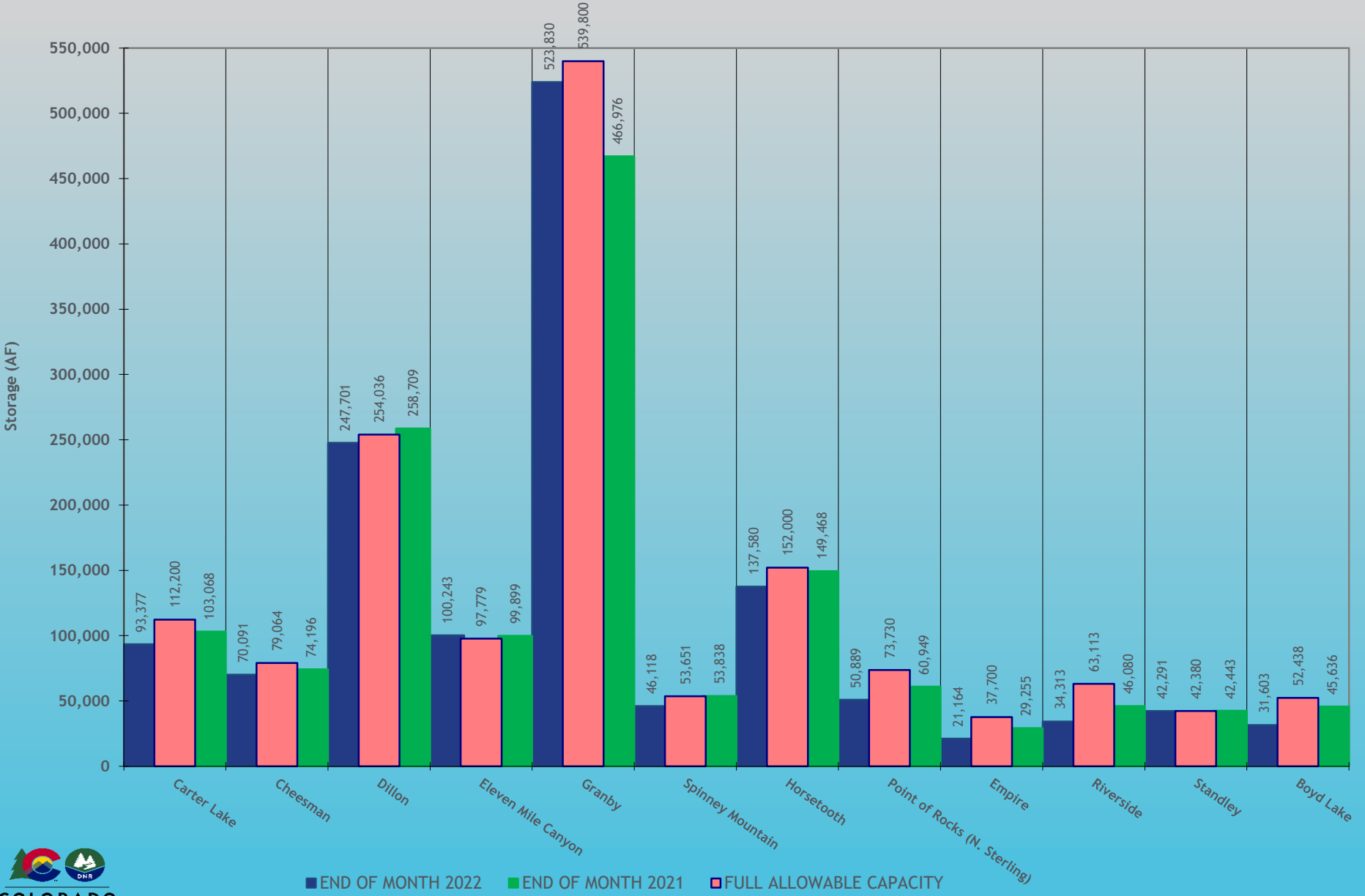
■ END OF MONTH 2022

■ END OF MONTH 2021

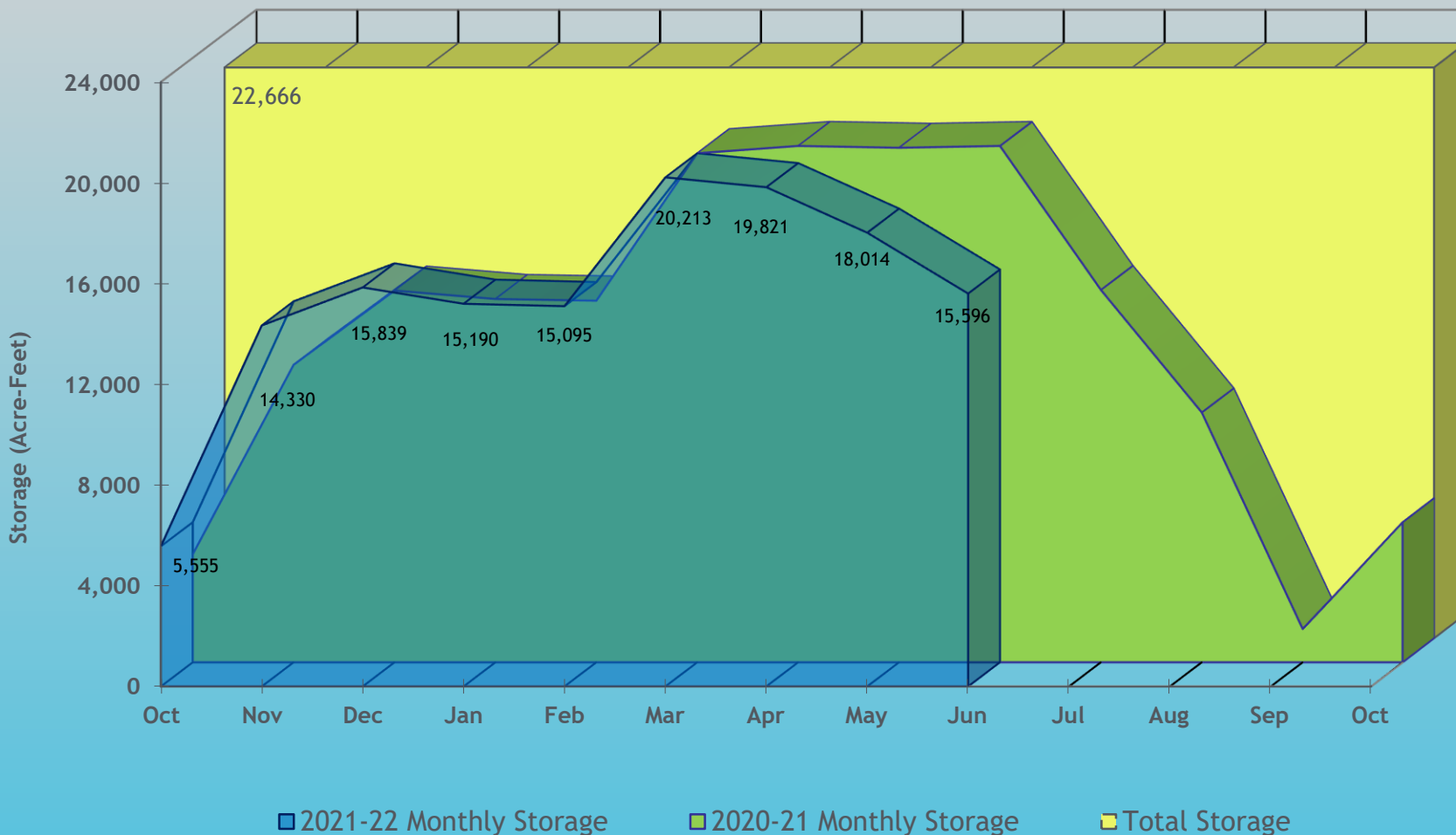
■ FULL ALLOWABLE CAPACITY



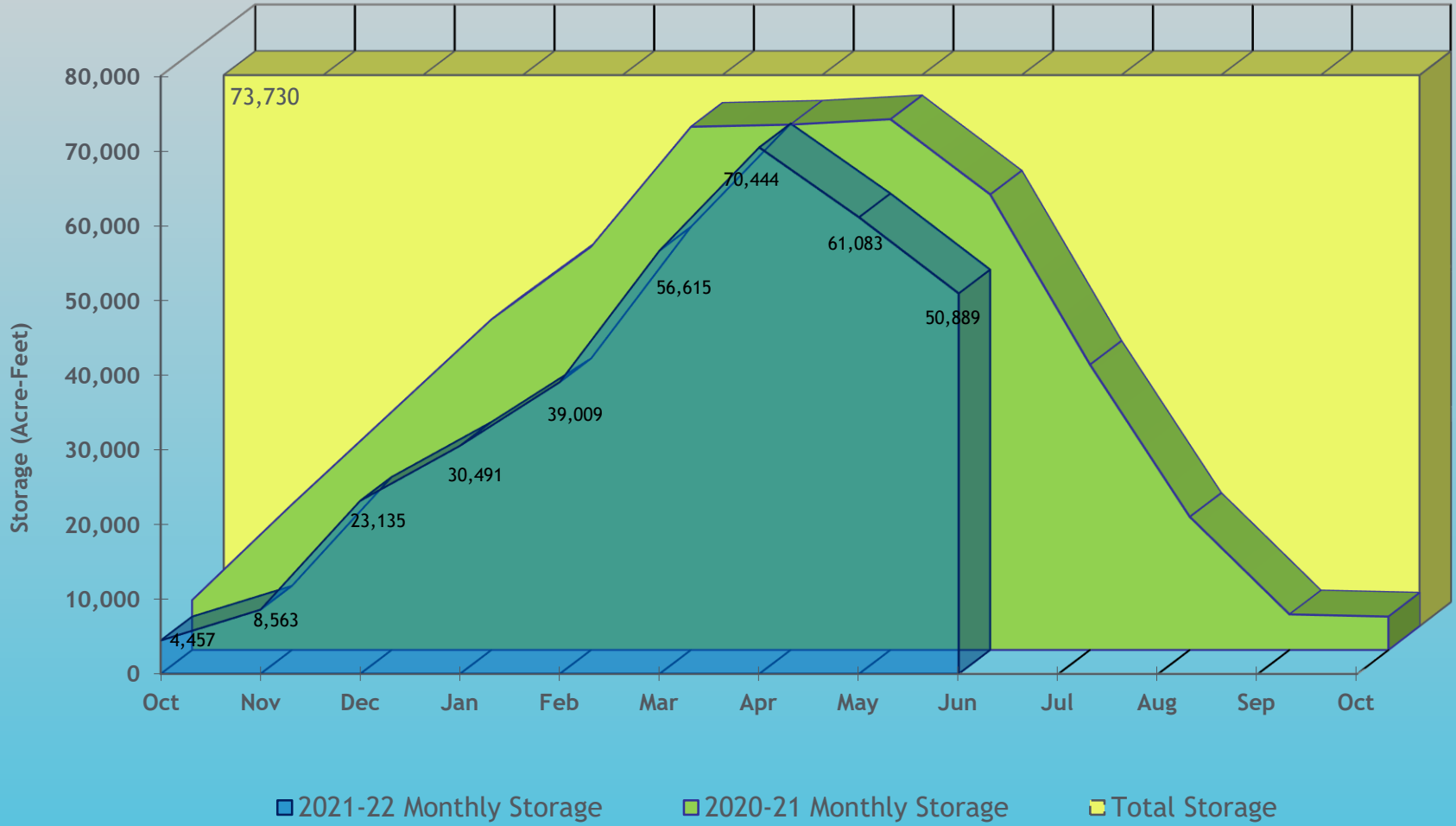
June Reservoir Change in Storage IY2021 versus IY2022



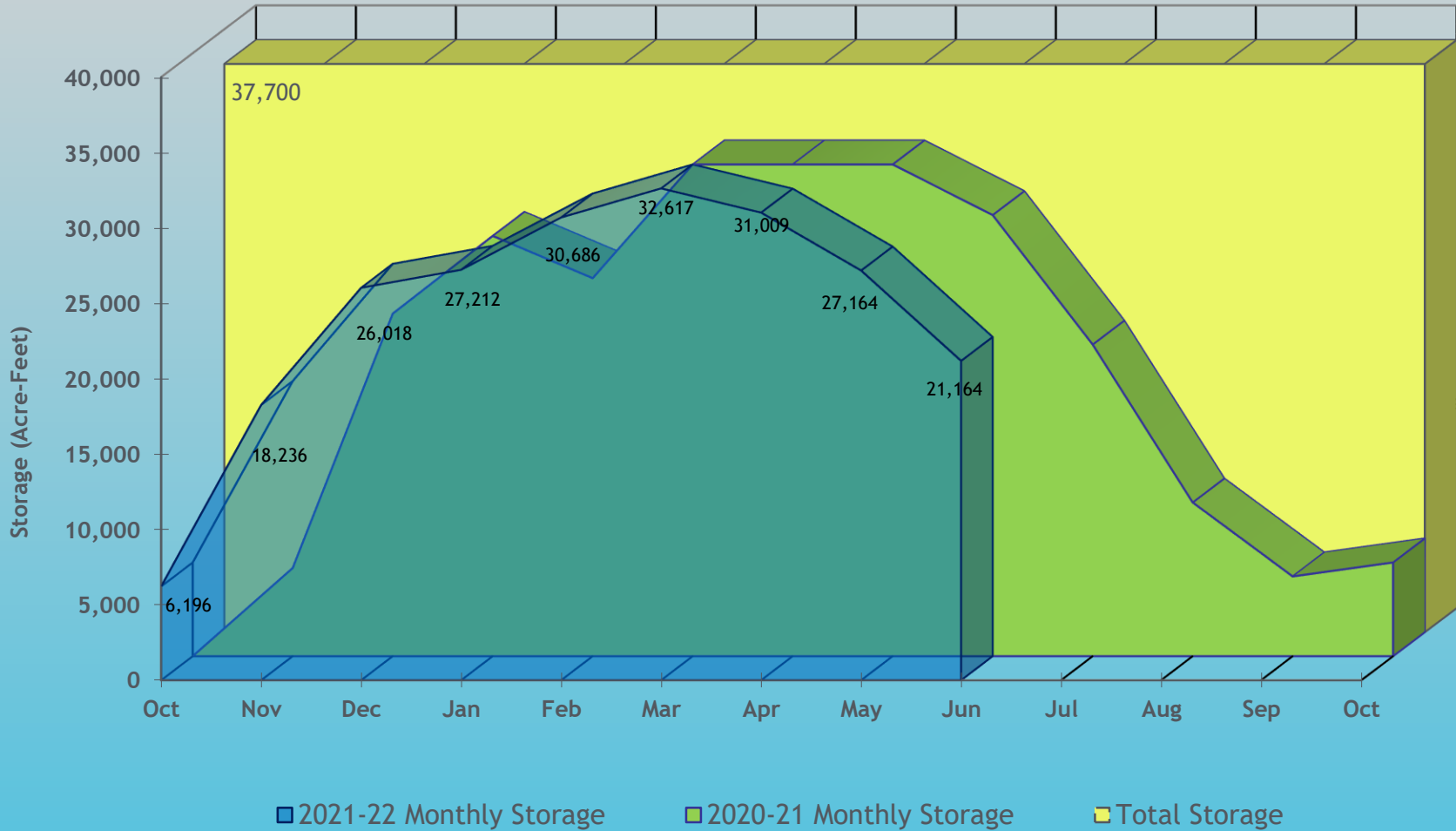
Julesburg Reservoir (District 64 - Agricultural)



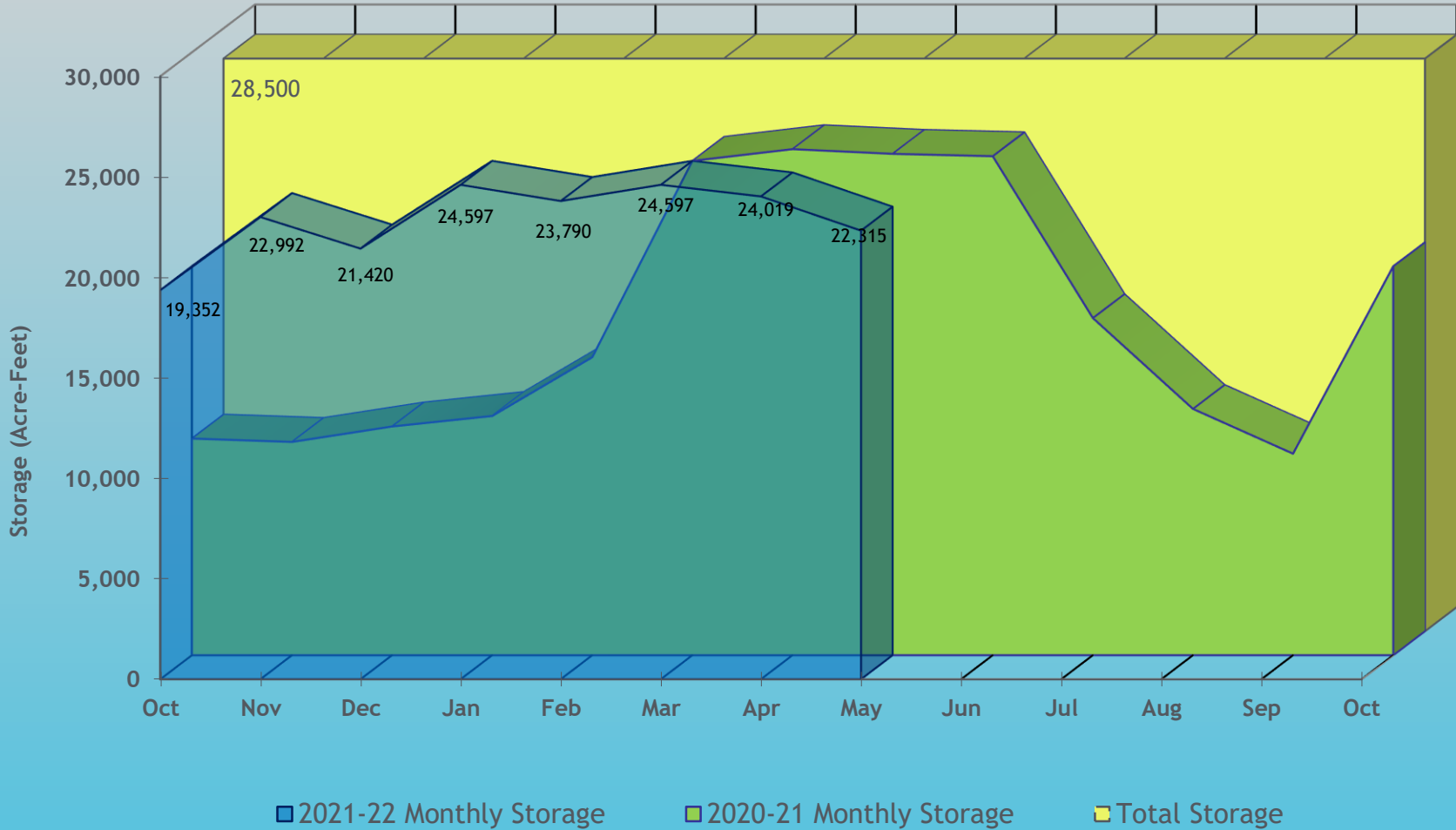
North Sterling Reservoir (District 64 - Agricultural)



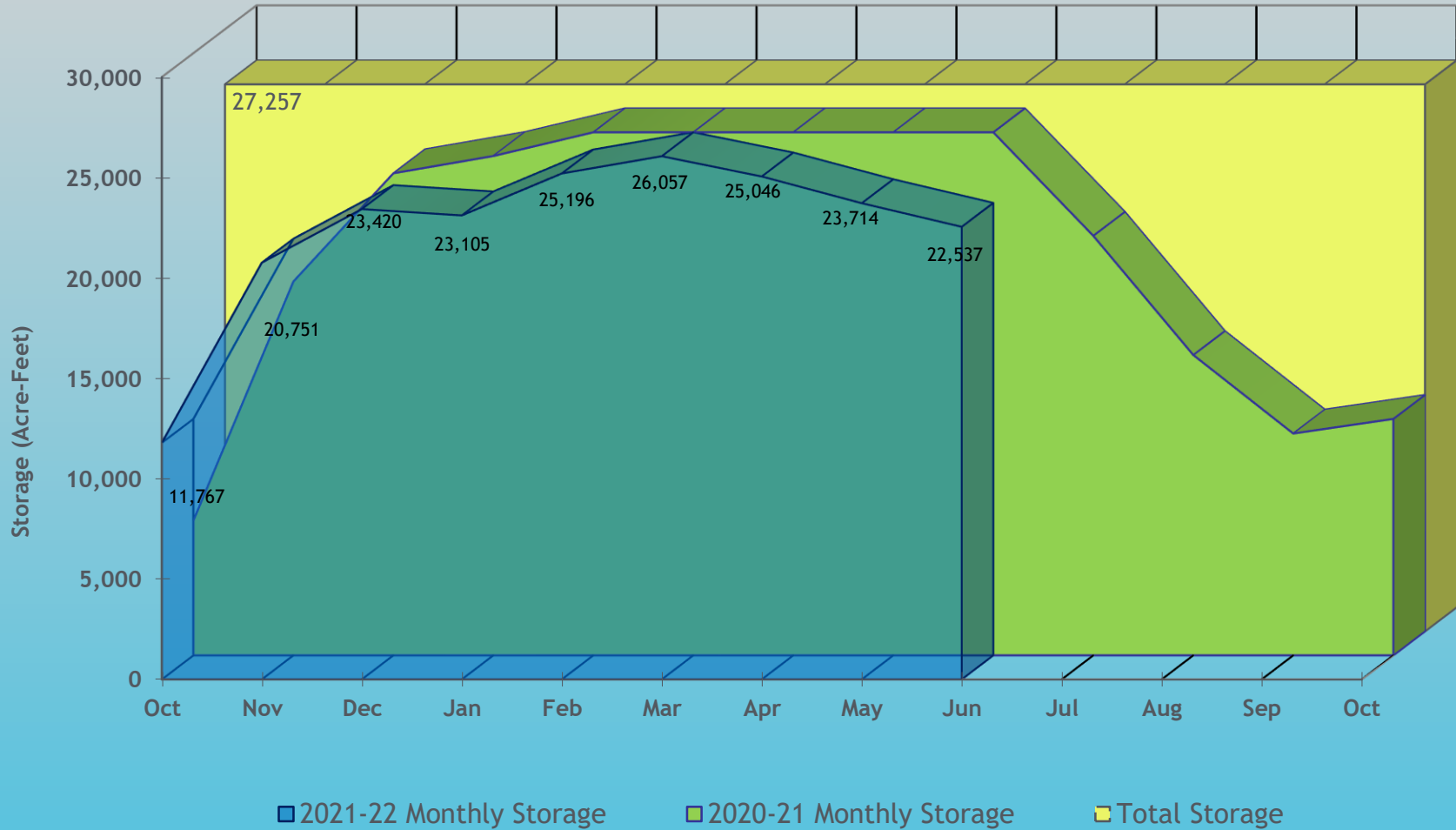
Empire Reservoir (District 1 - Agricultural)



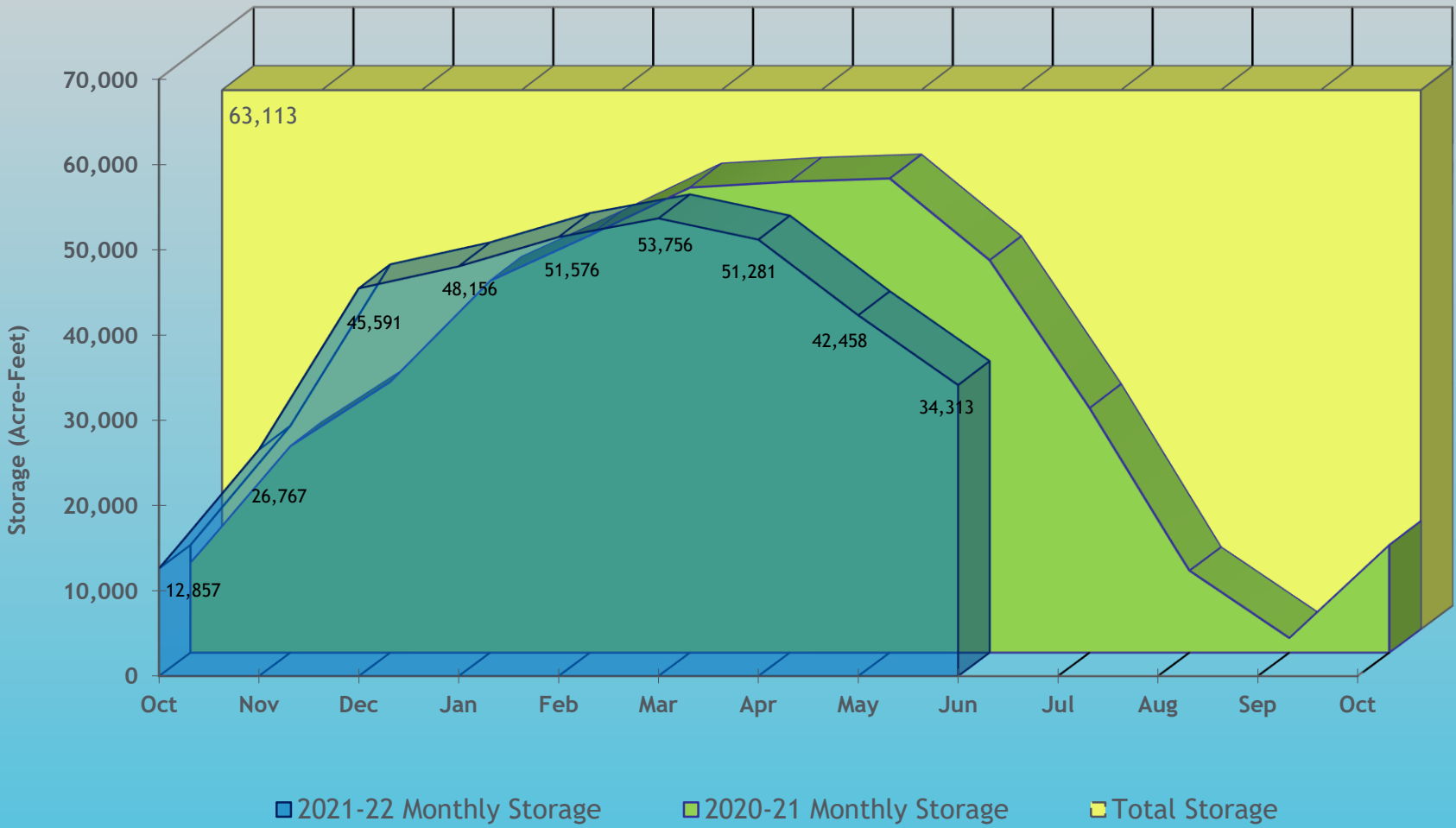
Prewitt Reservoir (District 64 - Agricultural)



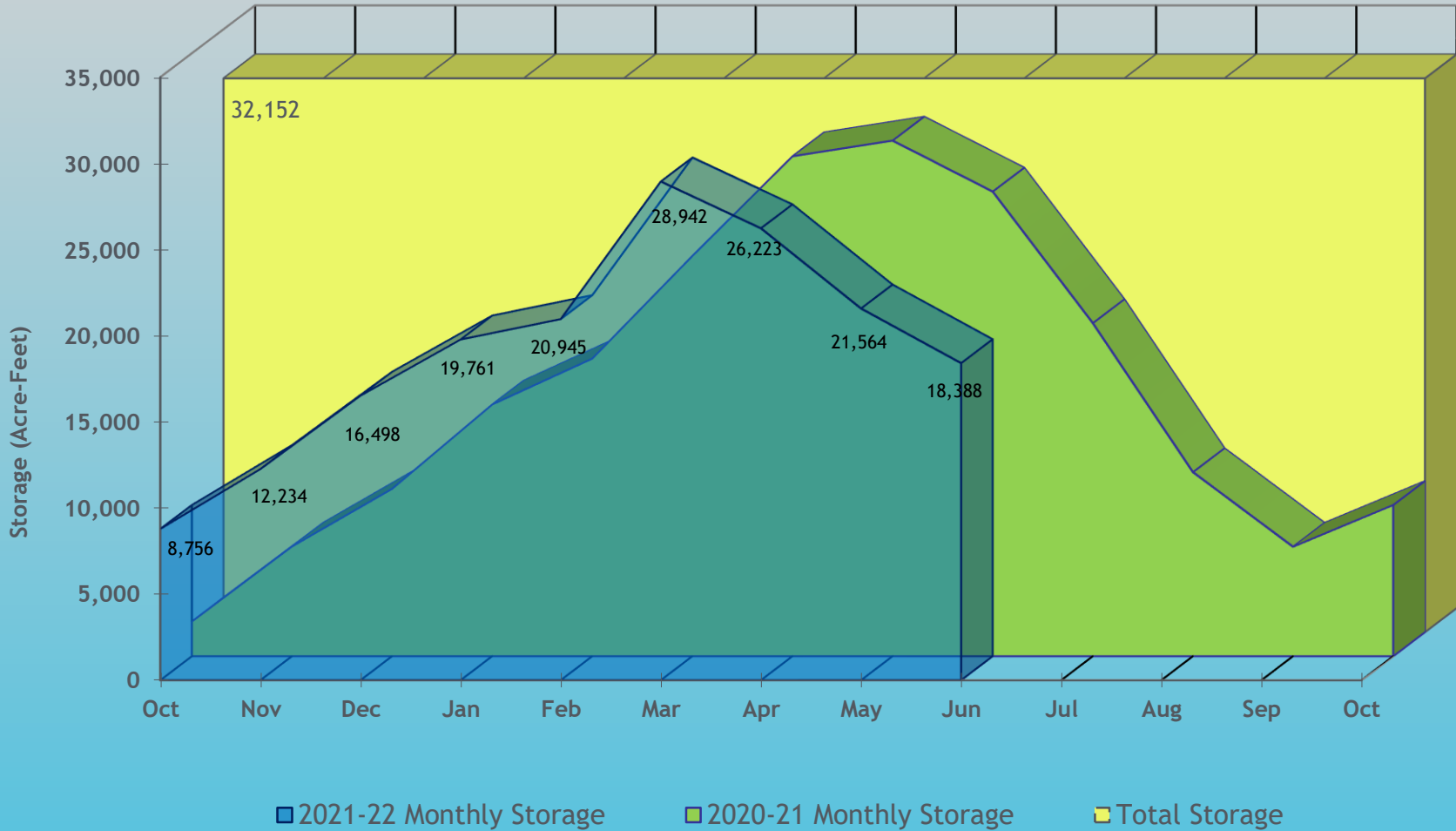
Jackson Reservoir (District 1 - Agricultural)



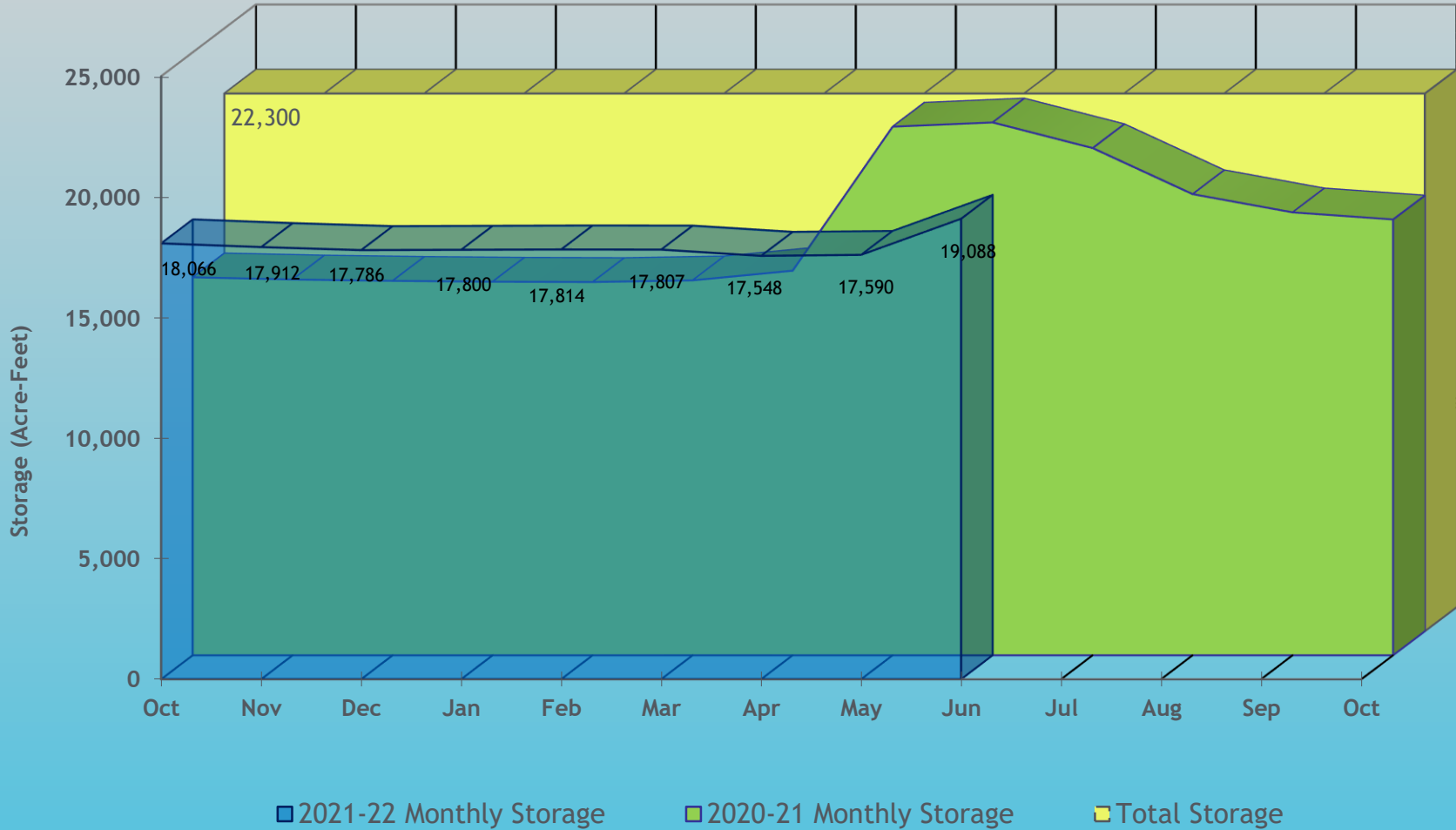
Riverside Reservoir (District 1 - Agricultural)



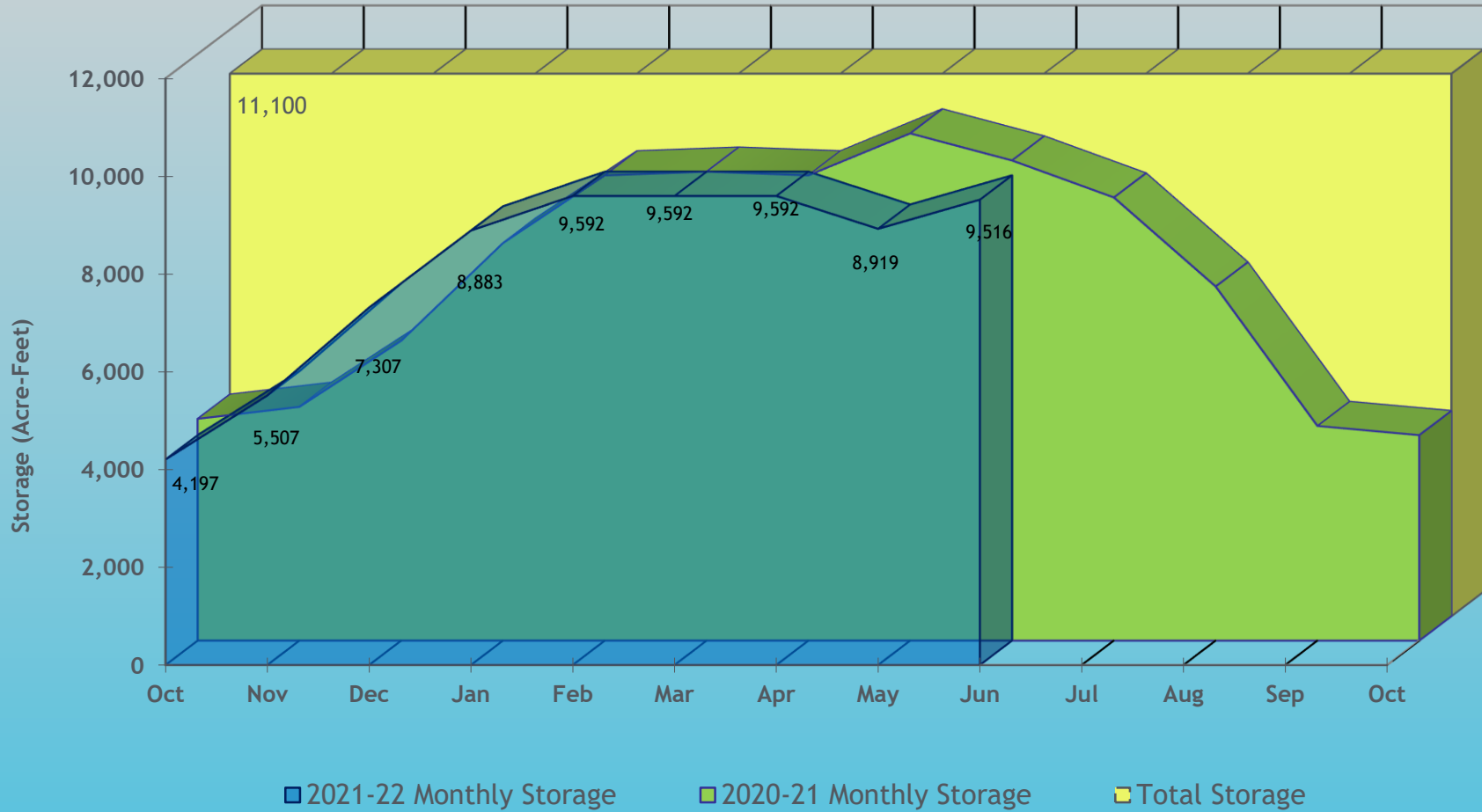
Barr Reservoir (District 2 - Agricultural)



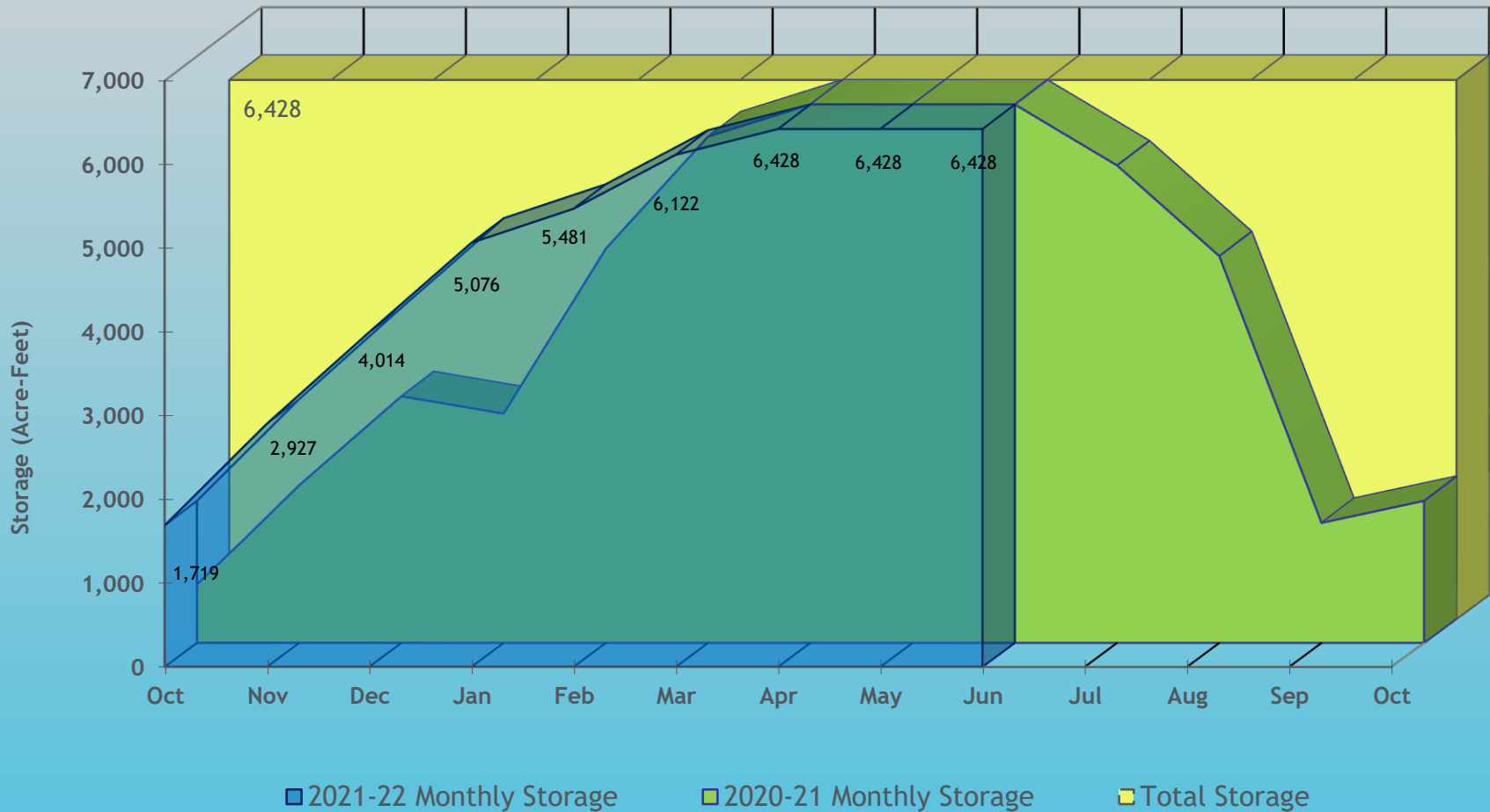
Cobb Reservoir (District 3, Poudre River - Agricultural)



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



Halligan Reservoir (District 3, Poudre River - Agricultural)

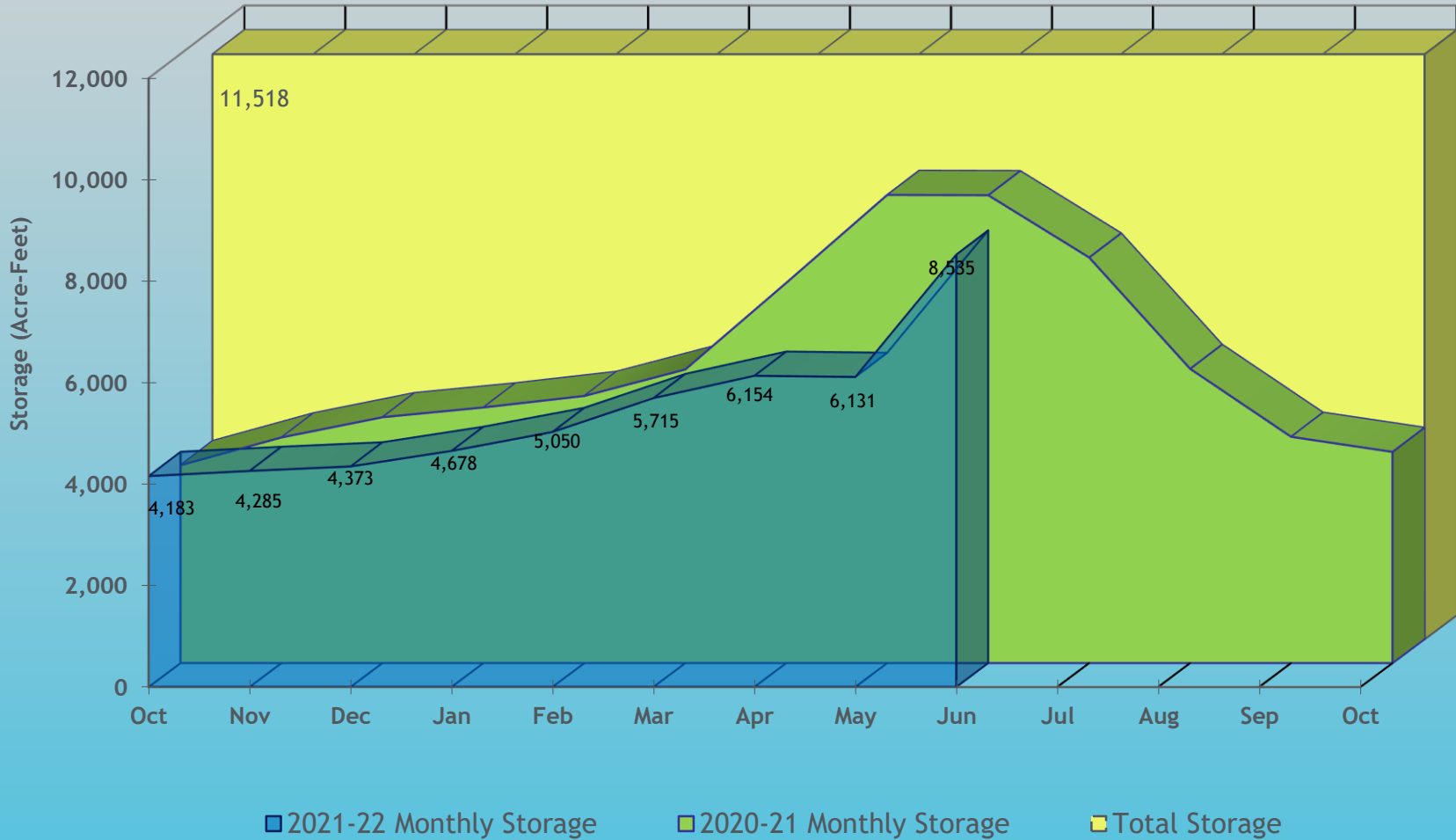


2021-22 Monthly Storage

2020-21 Monthly Storage

Total Storage

Marshall Lake (District 6, Boulder Creek - Agricultural)

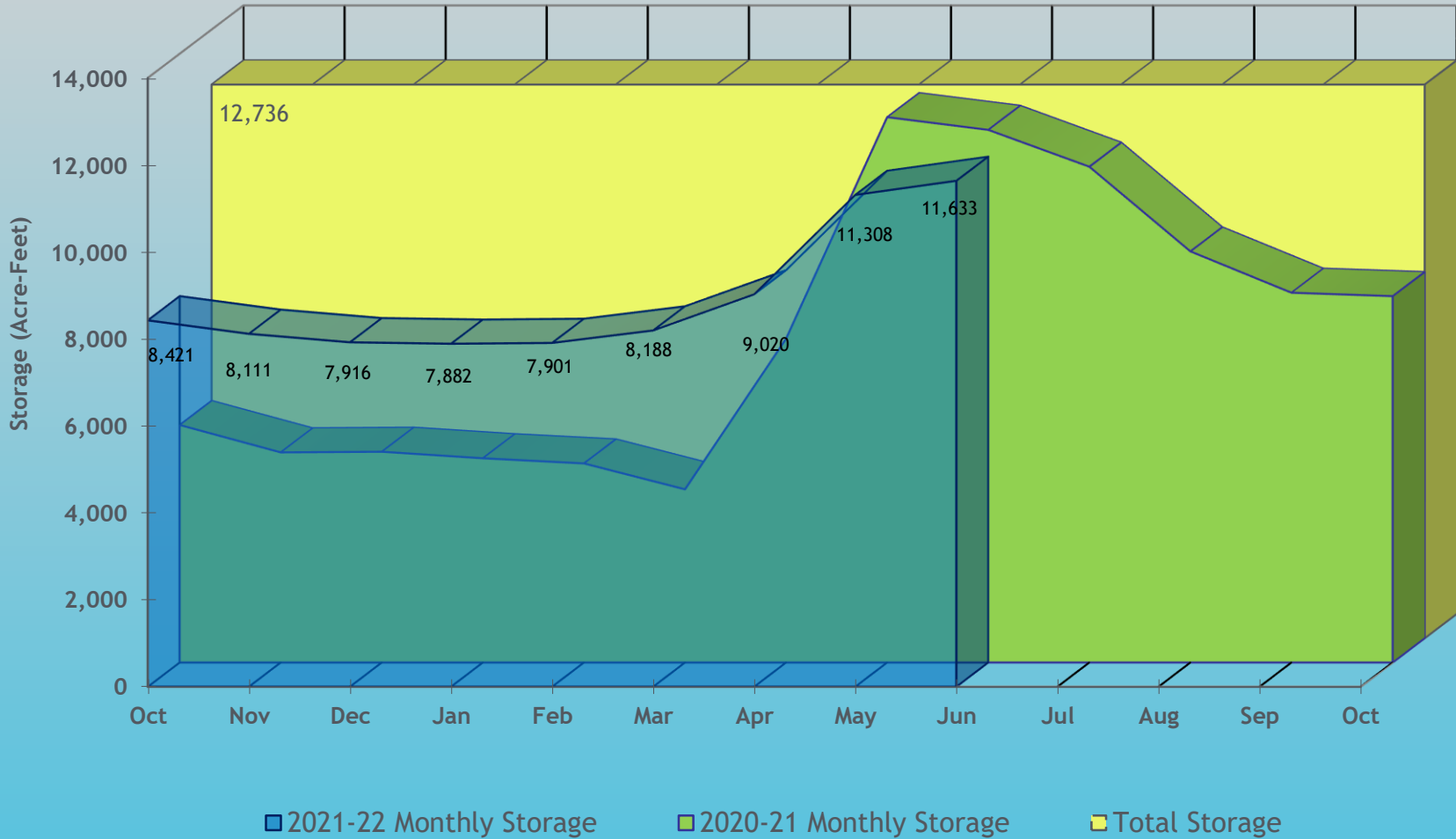


■ 2021-22 Monthly Storage

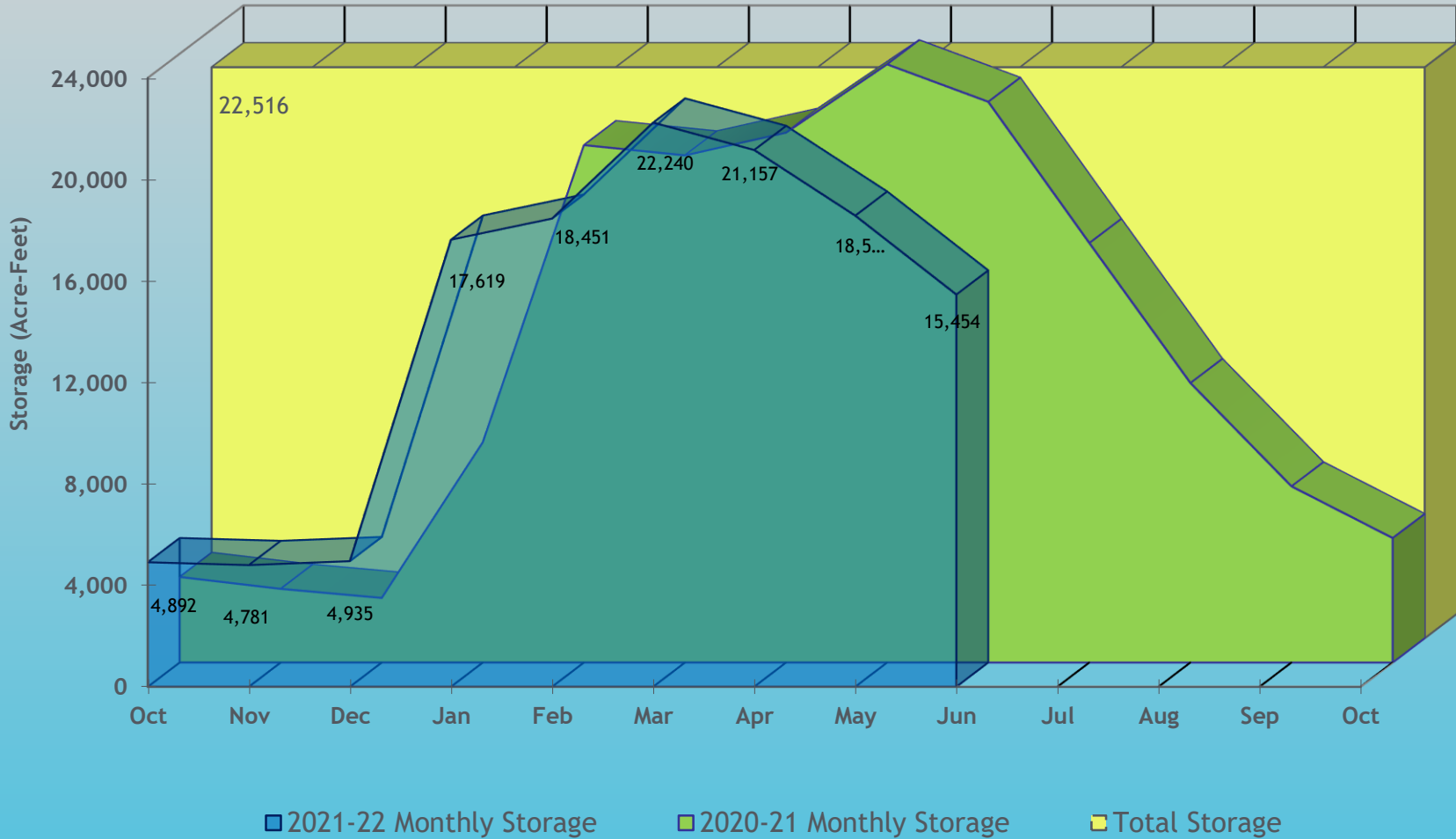
■ 2020-21 Monthly Storage

■ Total Storage

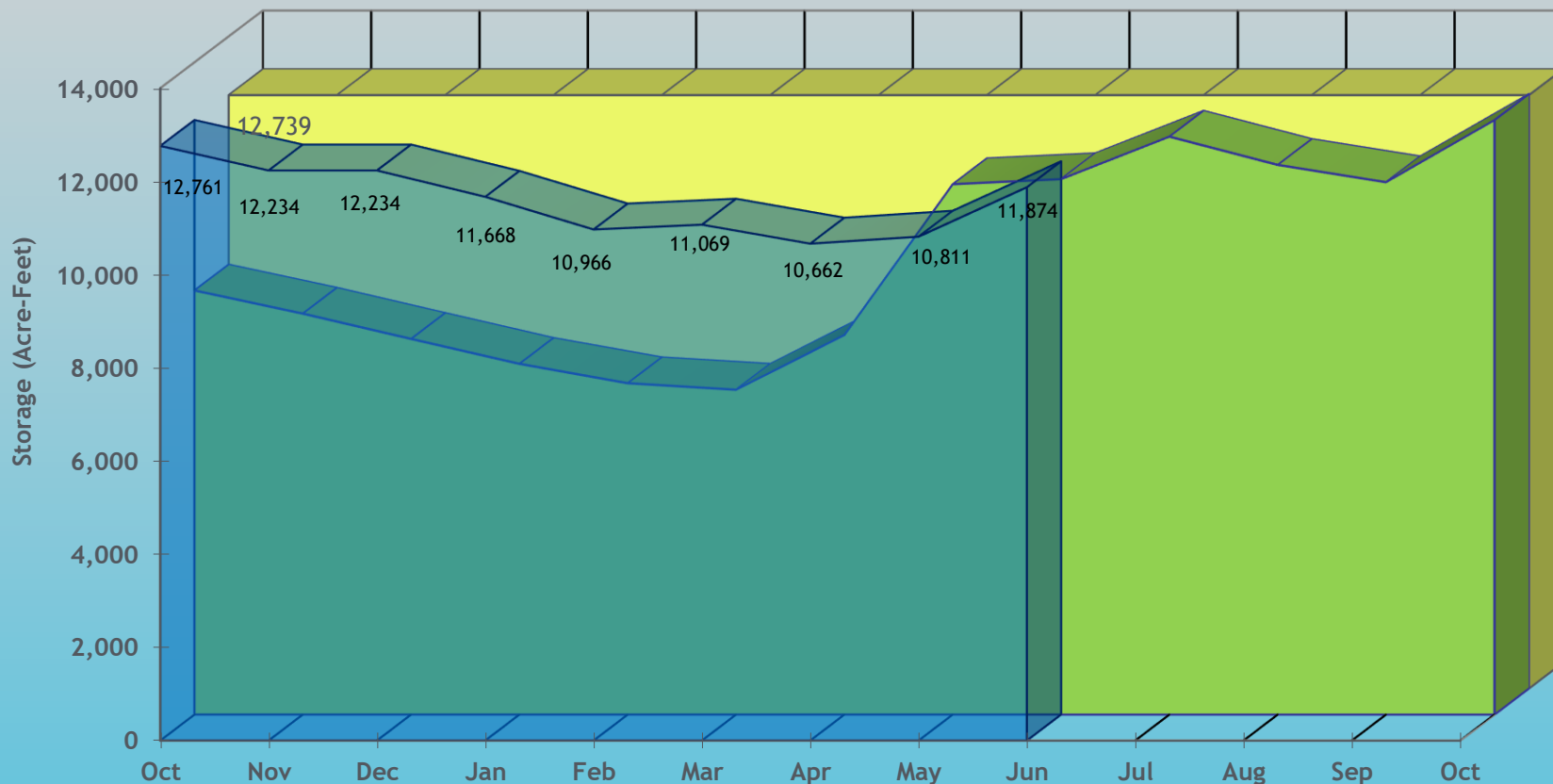
Loveland Greeley Reservoir (District 4, Big Thompson River - Agricultural)



Milton Reservoir (District 2 - Agricultural)



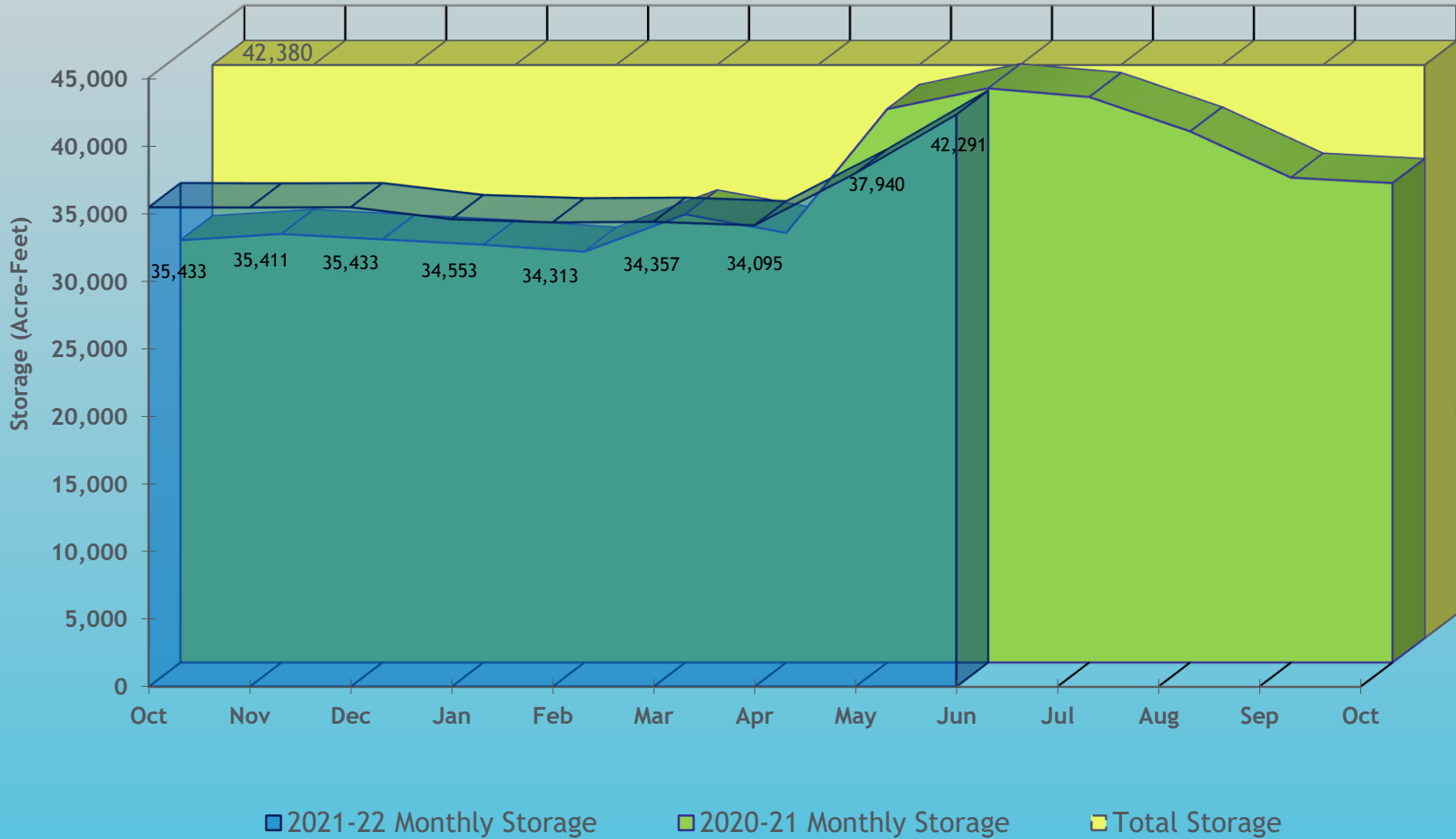
Union Reservoir (District 5, St. Vrain Creek - Agricultural)



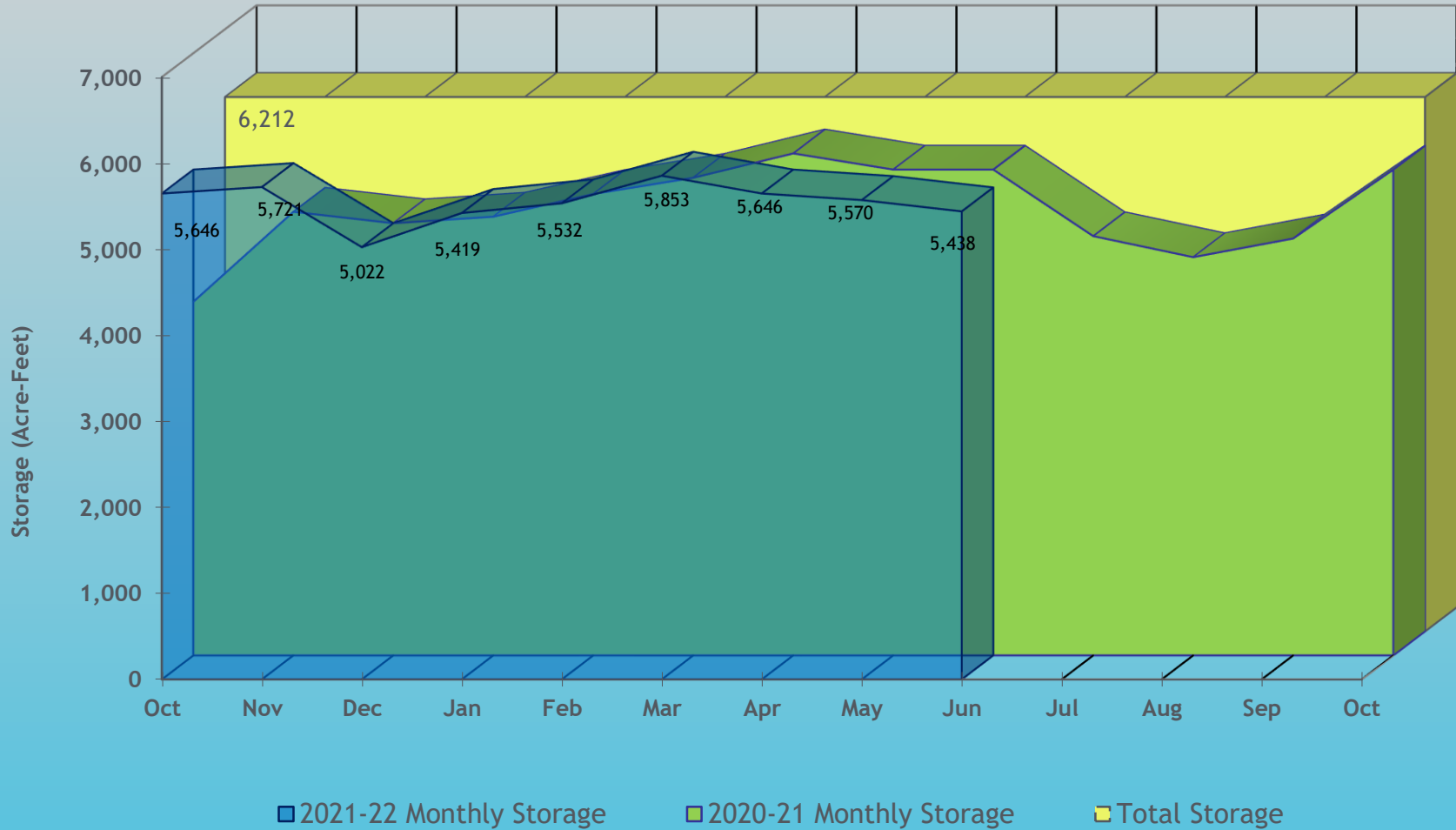
■ 2021-22 Monthly Storage
 ■ 2020-21 Monthly Storage
 ■ Total Storage



Standley Lake (Agricultural)



Lower Latham Reservoir (District 2 - Agricultural)

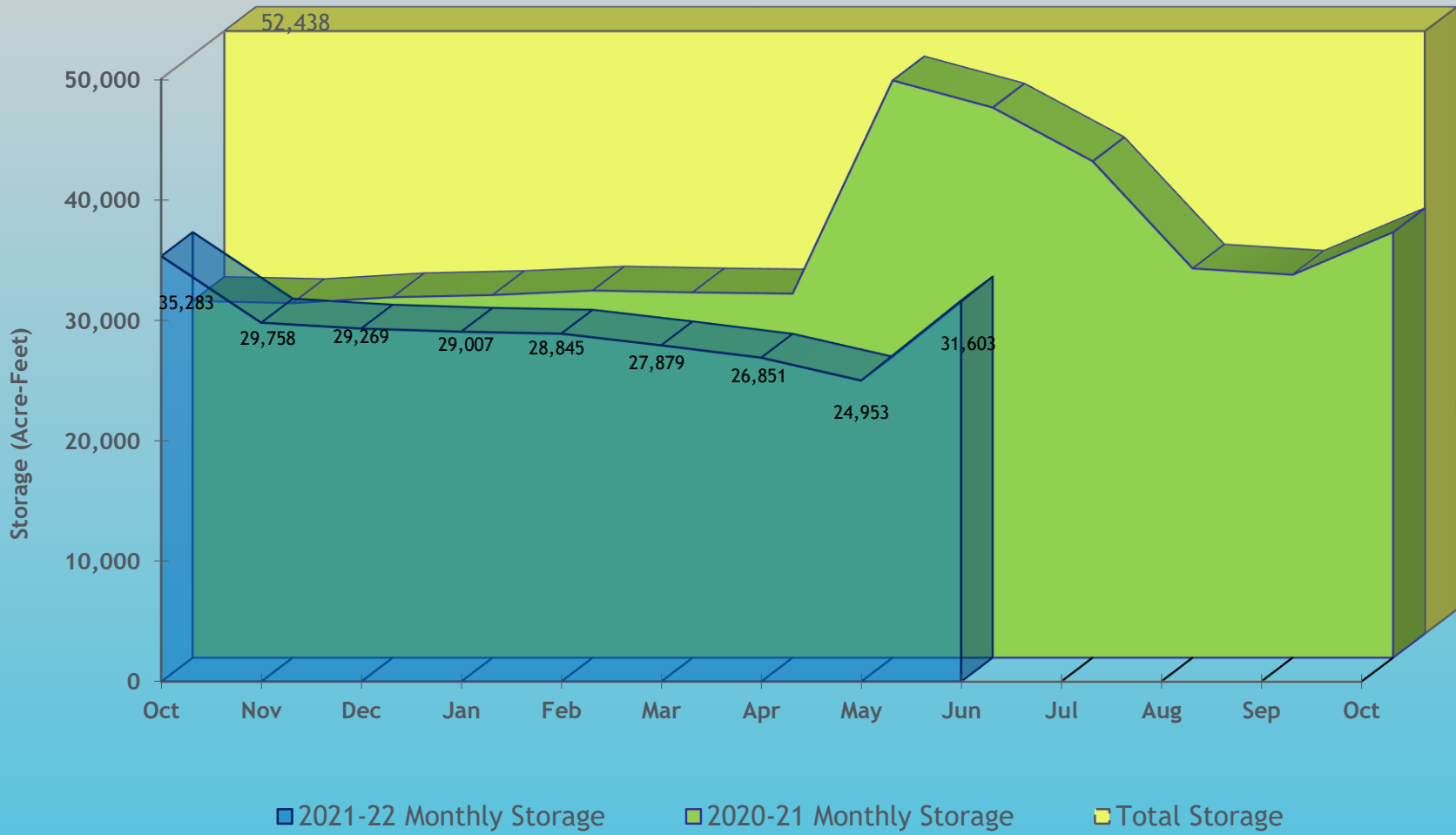


2021-22 Monthly Storage

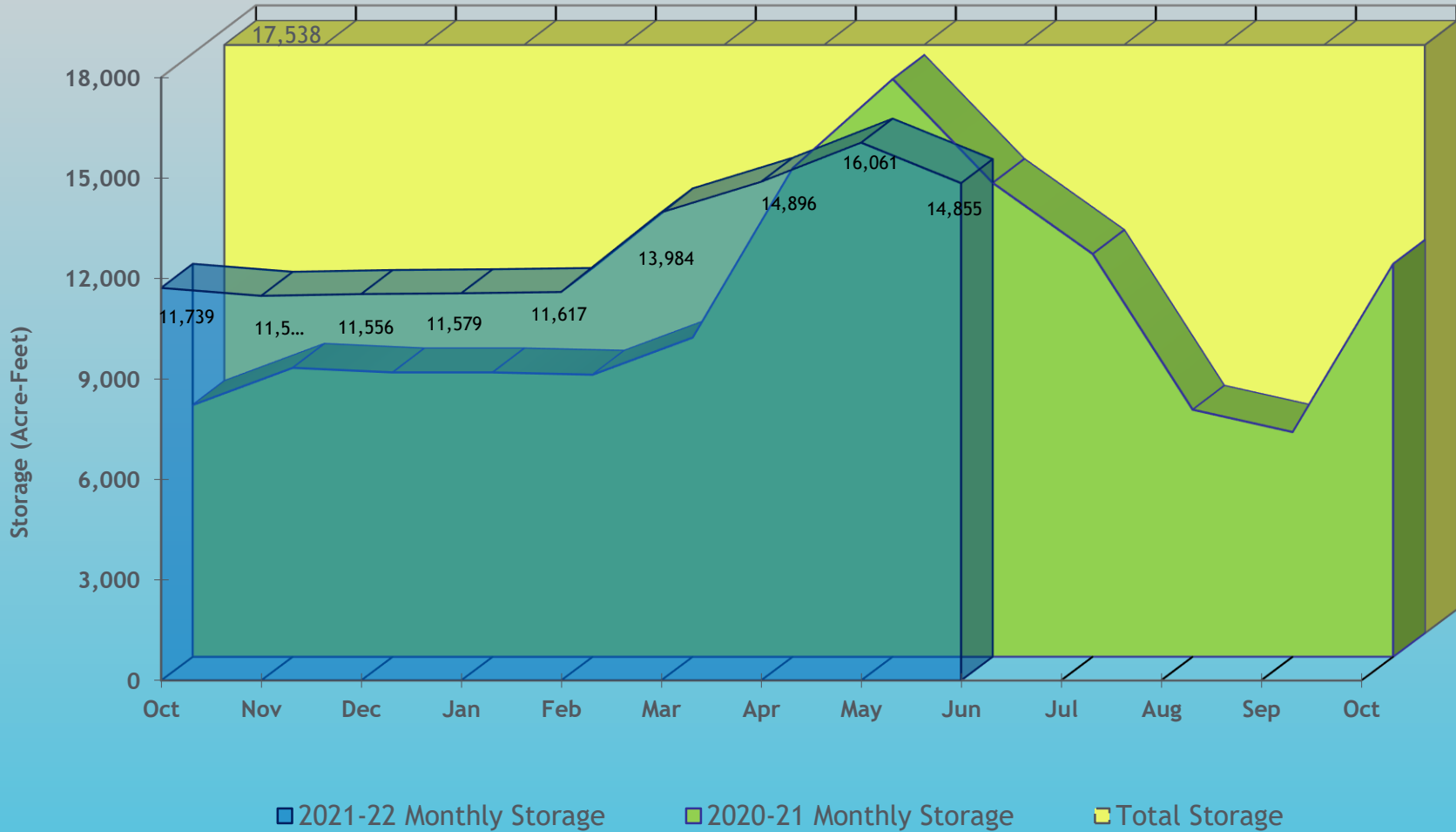
2020-21 Monthly Storage

Total Storage

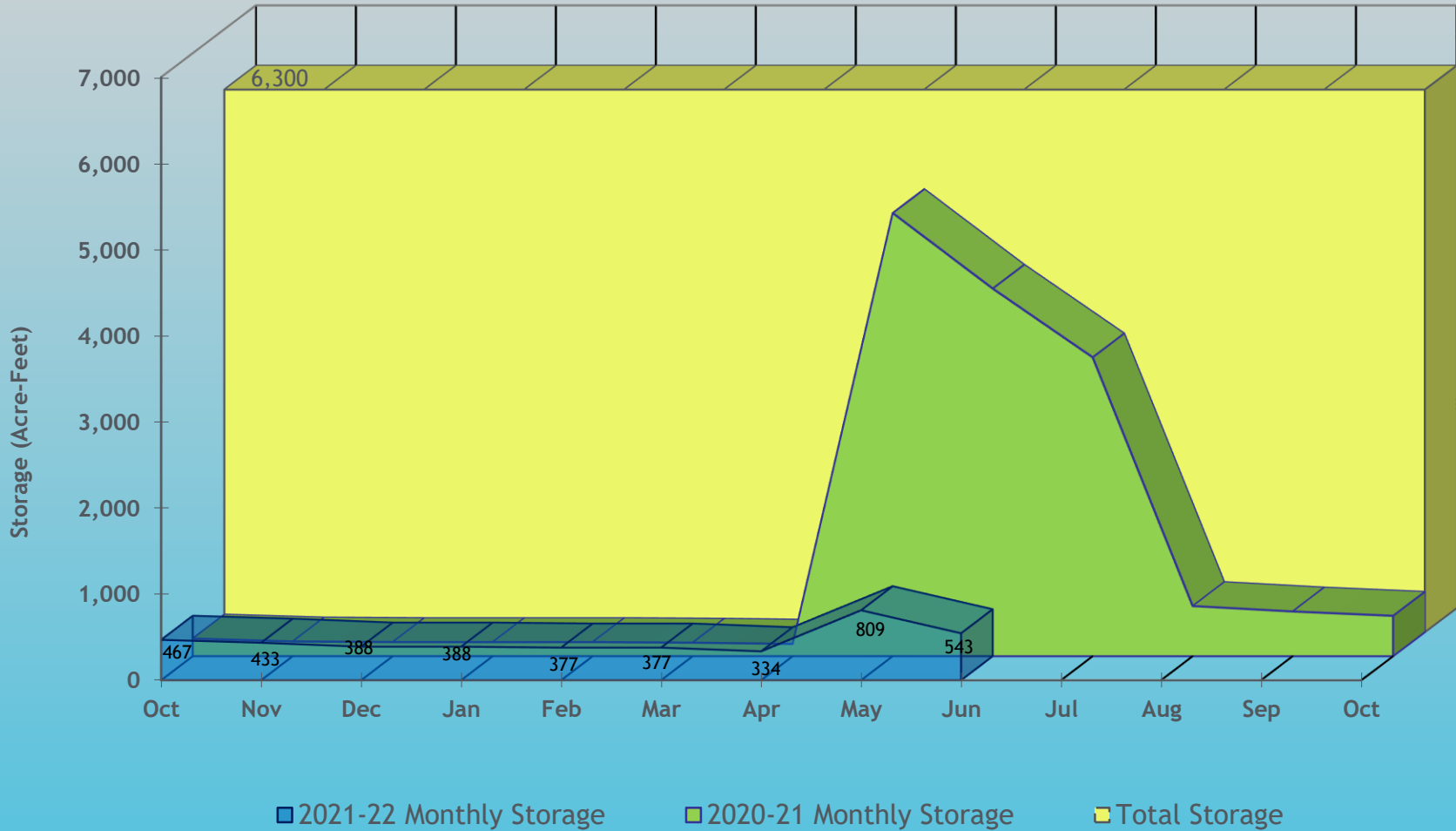
Boyd Lake (District 4, Big Thompson River - Agricultural)



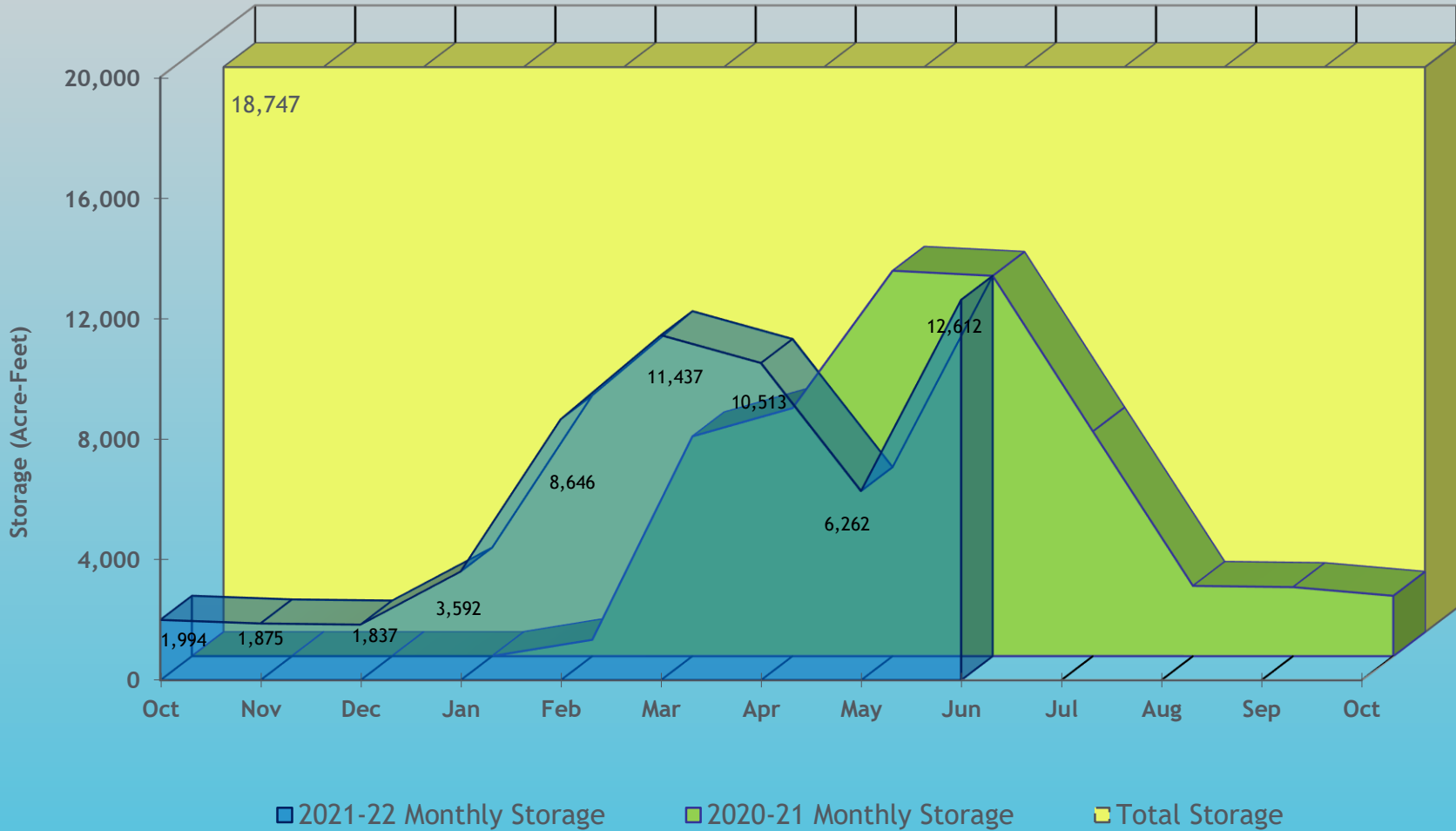
Windsor Reservoir (District 3, Poudre River - Agricultural)



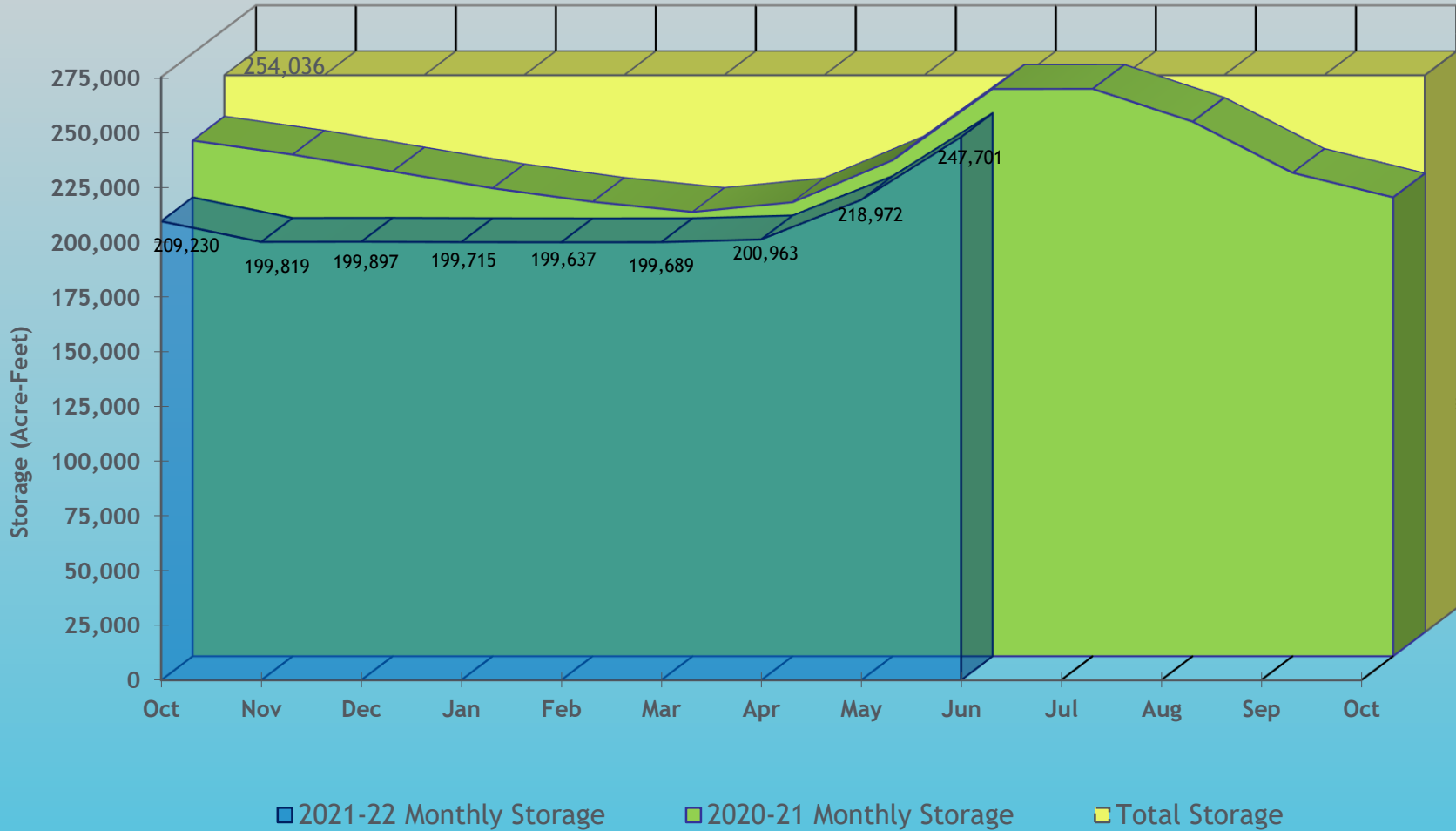
Prospect Reservoir (District 1 - Agricultural)



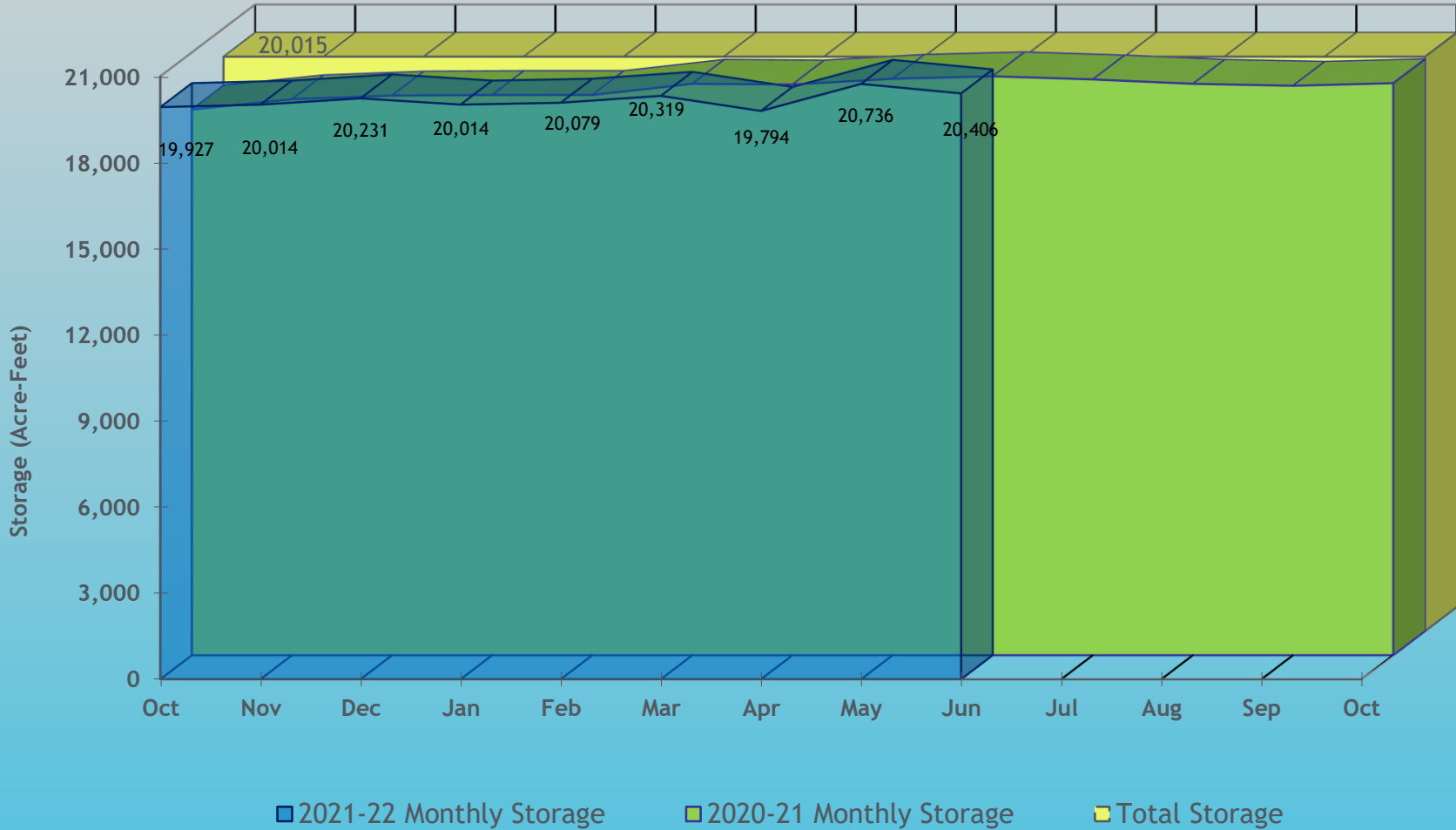
Horse Creek Reservoir (District 1 - Agricultural)



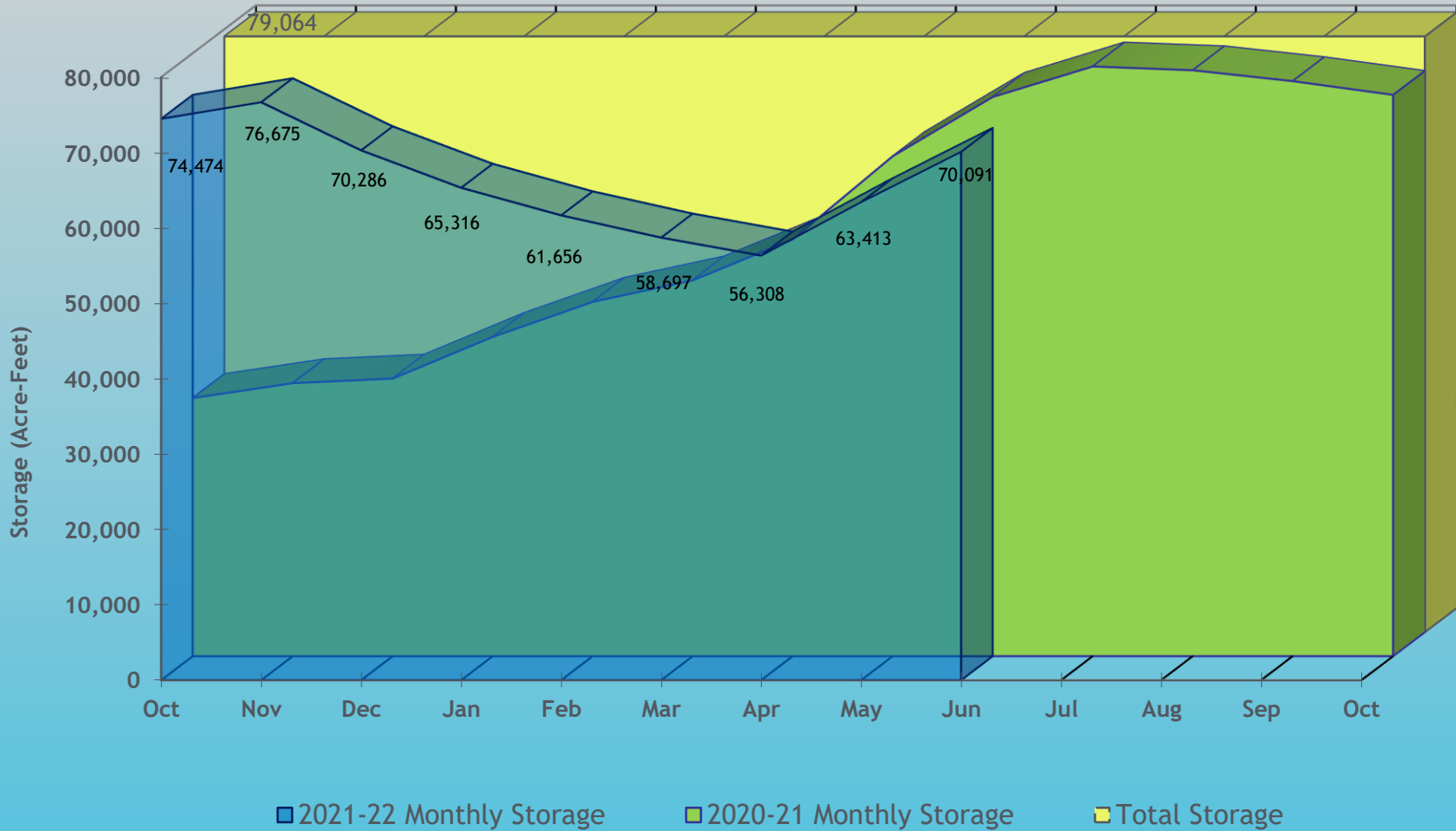
Dillon Reservoir (District 1 - Municipal)



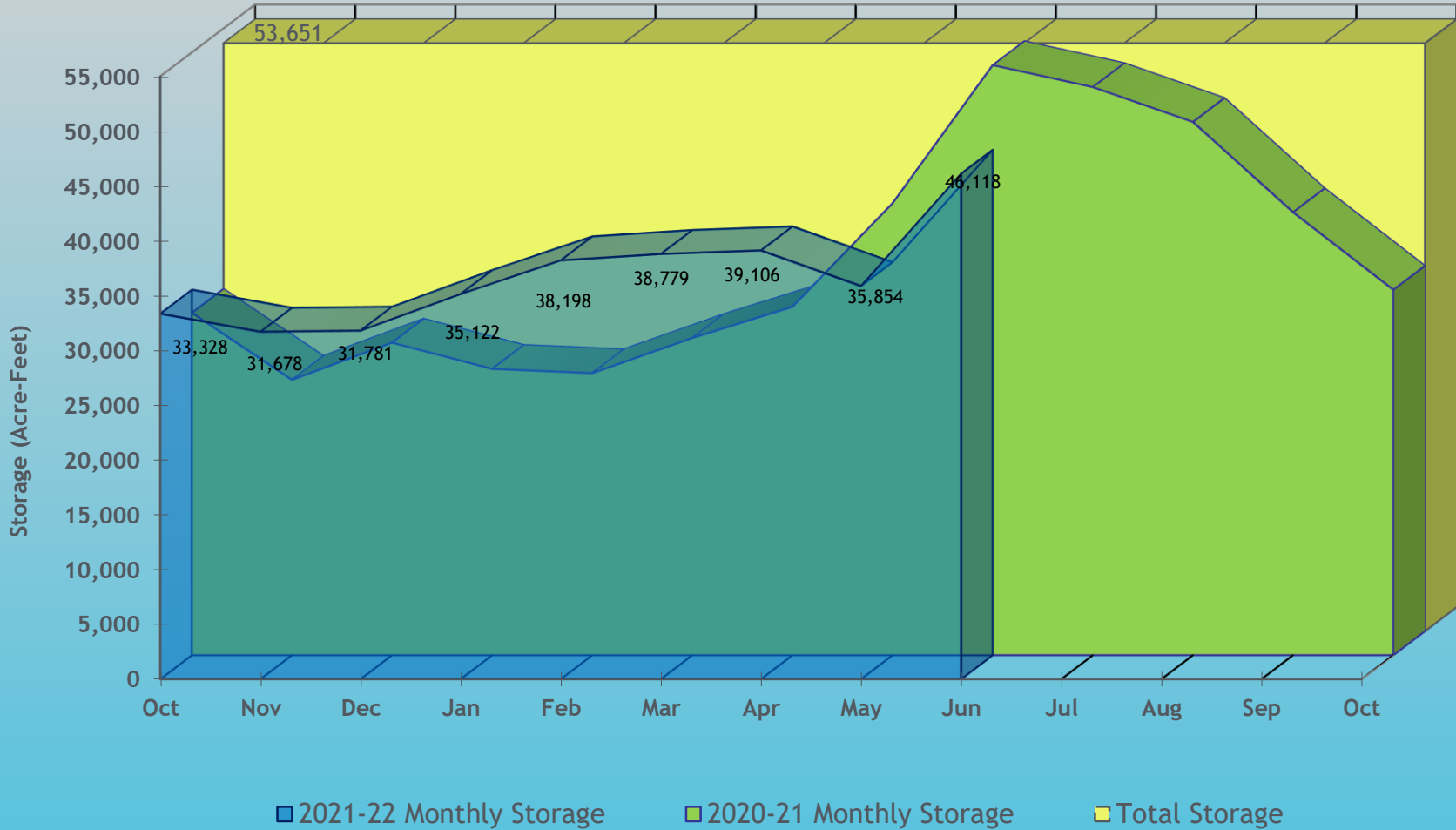
Antero Reservoir (District 23 - Municipal)



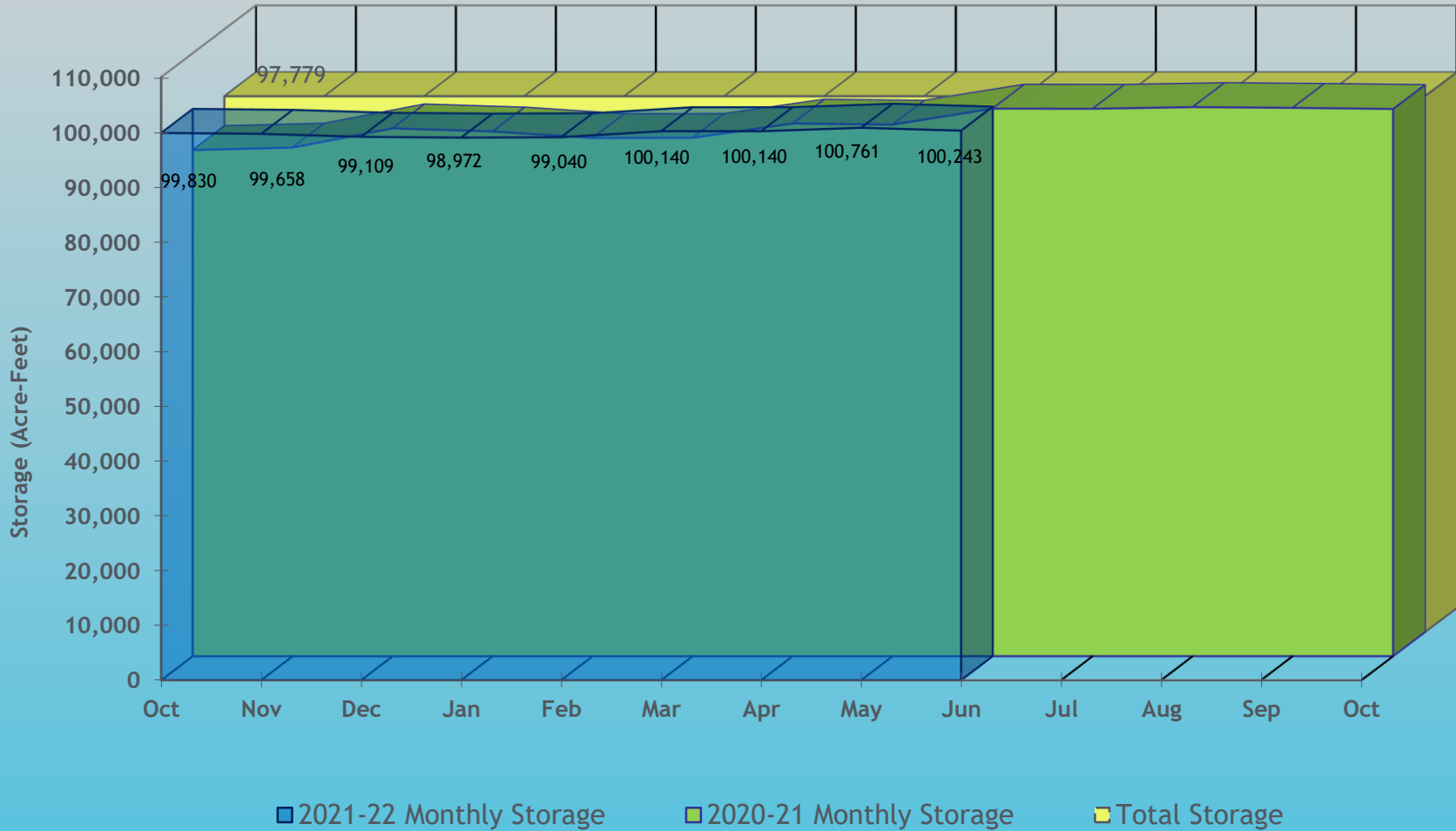
Cheesman Reservoir (District 80 - Municipal)



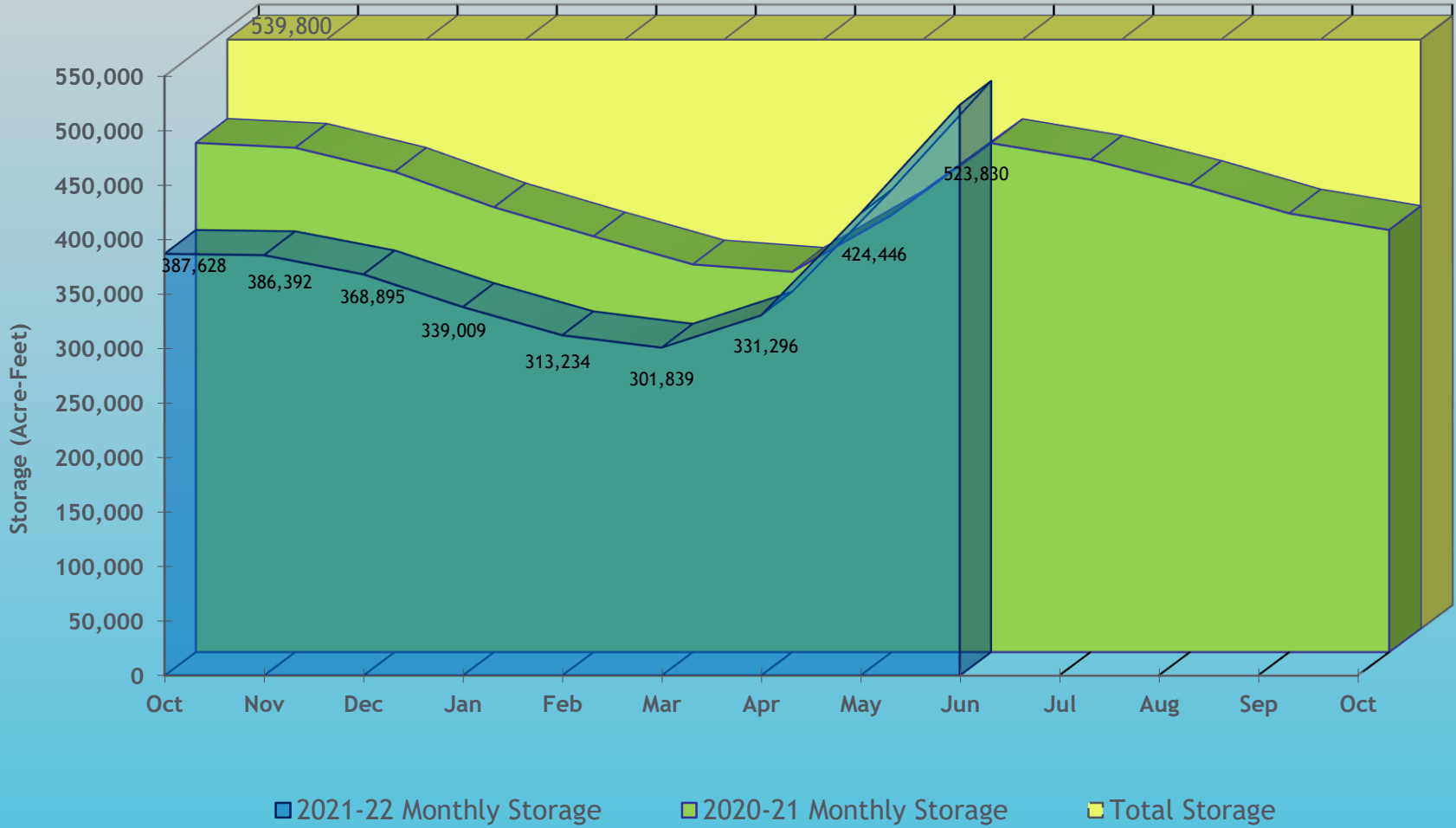
Spinney Mountain Reservoir (District 23 - Municipal)



Eleven Mile Reservoir (District 23 - Municipal)



Lake Granby



■ 2021-22 Monthly Storage

■ 2020-21 Monthly Storage

■ Total Storage

