



COLORADO
Division of Water Resources
Department of Natural Resources

South Platte Summary May 2022

Compiled by Lee Cunning, P.E.

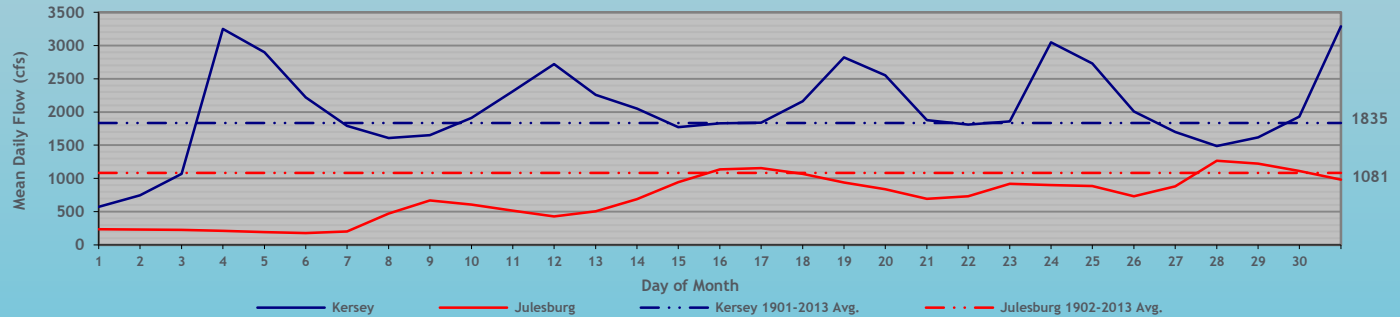
COLORADO DIVISION OF WATER RESOURCES, DIVISION 1

MONTH OF May 2022

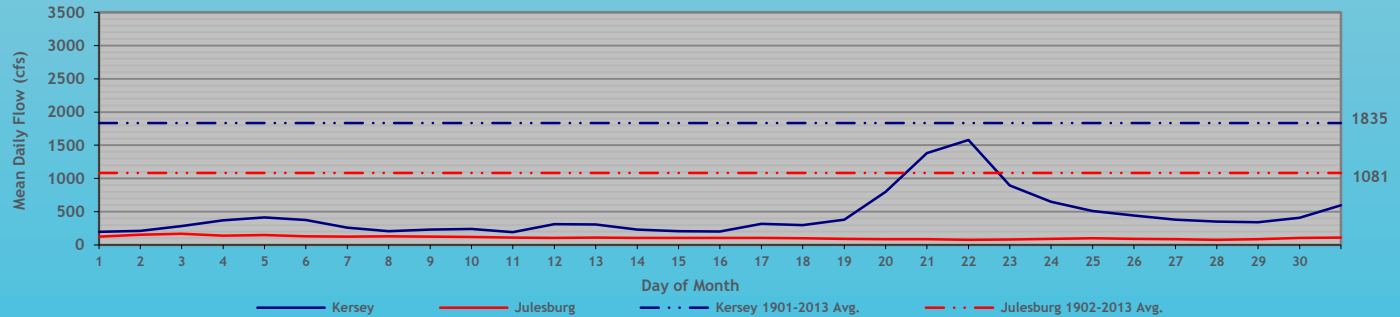
RESERVOIR	FULL ALLOWABLE CAPACITY (ACRE FEET)	FIRST OF MONTH (ACRE FEET)	END OF MONTH (ACRE FEET)	DISTRICT	CHANGE IN STORAGE (ACRE FEET)	% CHANGE IN STORAGE BASED ON FIRST OF MONTH STORAGE	% OF CURRENT FULL ALLOWABLE CAPACITY	% OF CURRENT FULL ALLOWABLE CAPACITY THIS MONTH LAST YEAR	SURCHARGE (ACRE FEET)
JULESBURG	22,666	19,821	18,014	64	-1,807	-9%	79%	90%	0
N STERLING	73,730	70,444	61,083	64	-9,361	-13%	83%	96%	0
PREWITT	28,500	24,019	22,315	64	-1,704	-7%	78%	88%	0
JACKSON	27,257	25,046	23,714	1	-1,332	-5%	87%	96%	0
EMPIRE	37,700	31,009	27,164	1	-3,845	-12%	72%	87%	0
RIVERSIDE	63,113	51,281	42,458	1	-8,823	-17%	67%	88%	0
BARR LAKE	32,152	26,223	21,564	2	-4,659	-18%	67%	93%	0
CHEESMAN	79,064	56,308	63,413	80	7,105	13%	80%	84%	0
ELEVEN MILE	97,779	100,140	100,761	23	621	1%	100%	99%	2,982
SPINNEY	53,651	39,106	35,854	23	-3,252	-8%	67%	77%	0
ANTERO	20,015	19,794	20,736	23	942	5%	100%	100%	721

RIVER GAGES	MEAN DAILY FLOW (CFS)
KERSEY	438
JULESBURG	110
THIS MONTH LAST YEAR	
KERSEY	2045
JULESBURG	702
MEAN FOR PERIOD OF RECORD*	
KERSEY	1835
JULESBURG	1081
*Kersey 1901 - 2016	*Julesburg 1902 - 2016

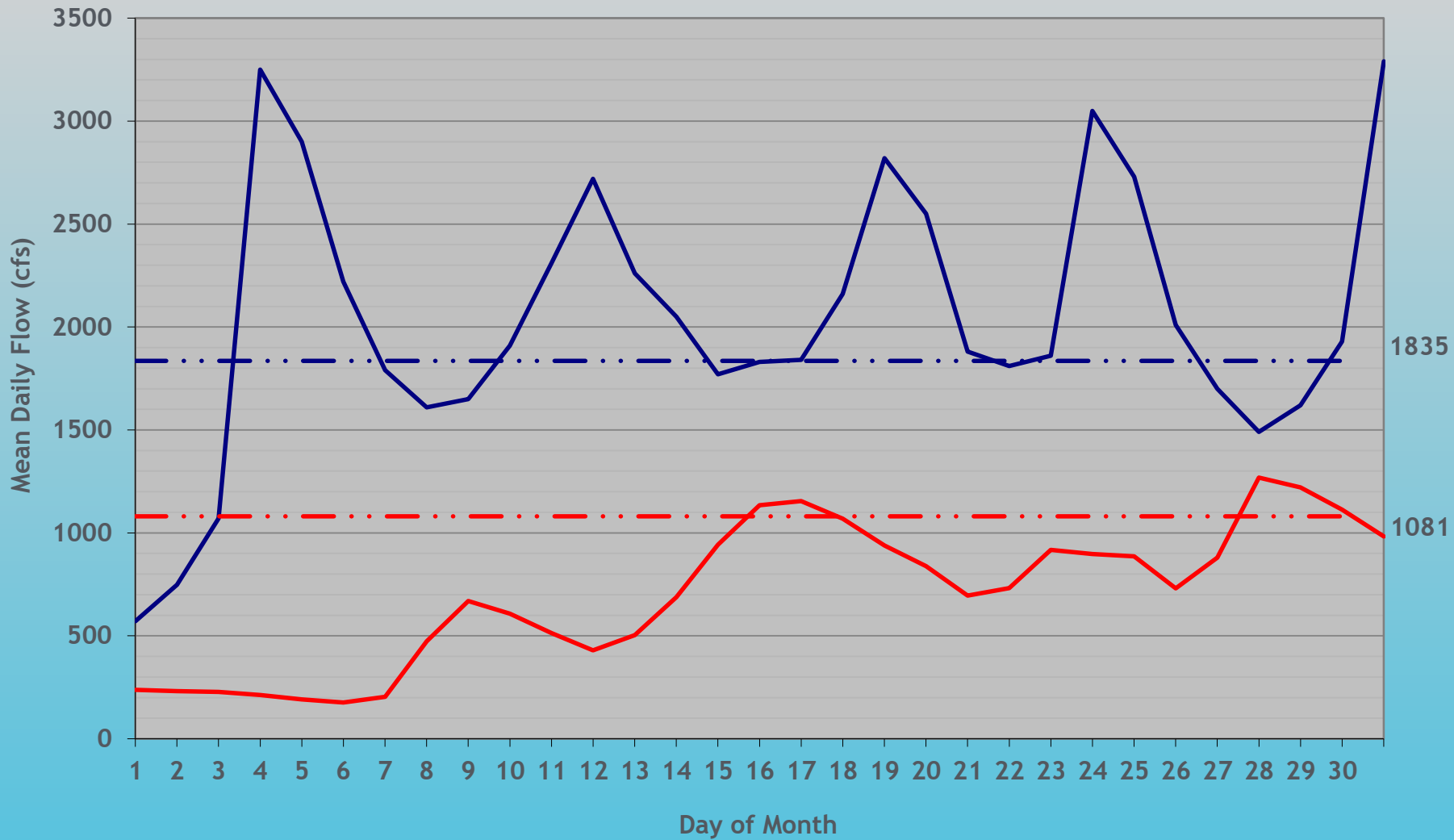
**KERSEY and JULESBURG
May 2021**



**KERSEY and JULESBURG
May 2022**

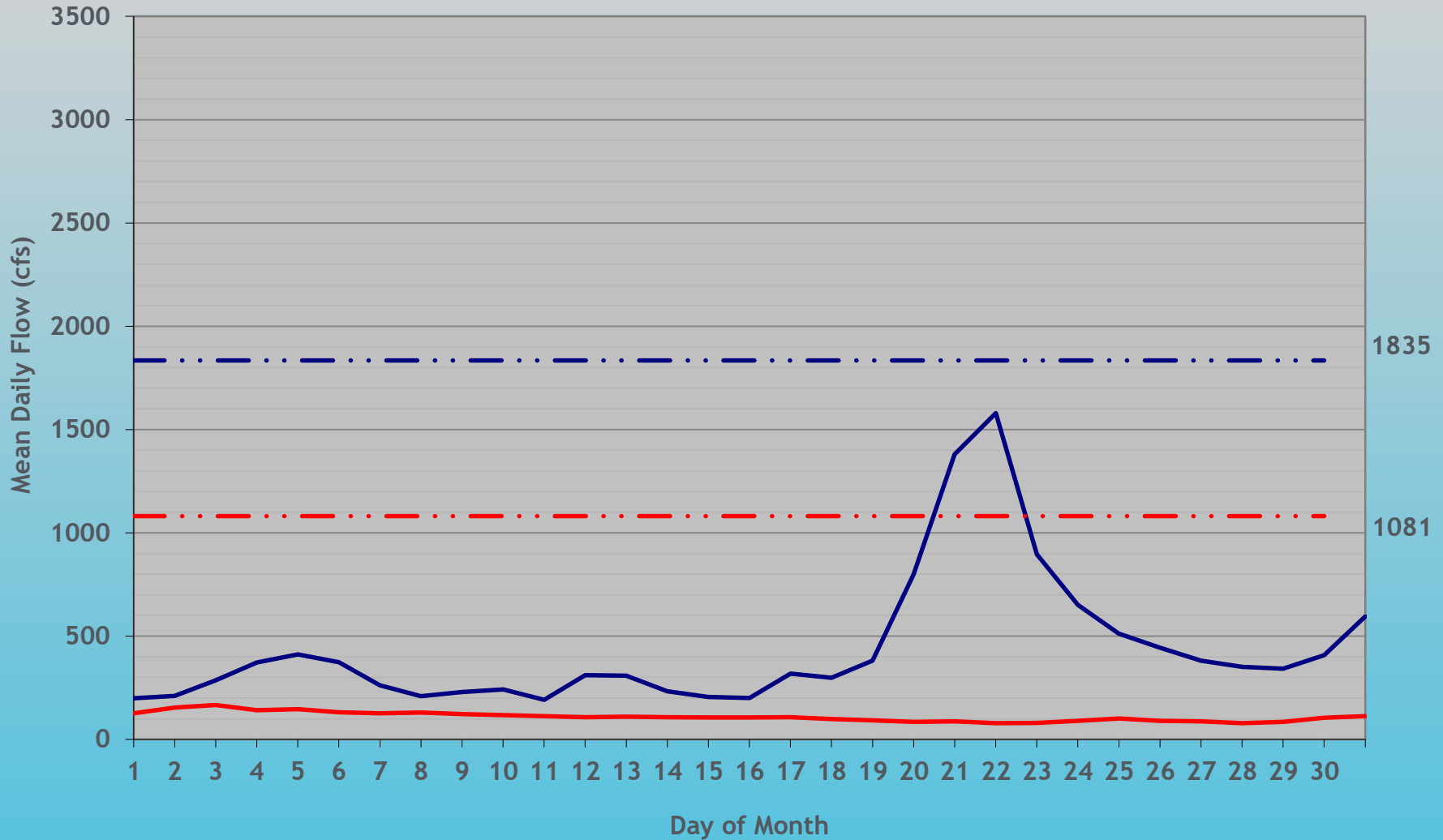


KERSEY and JULESBURG May 2021



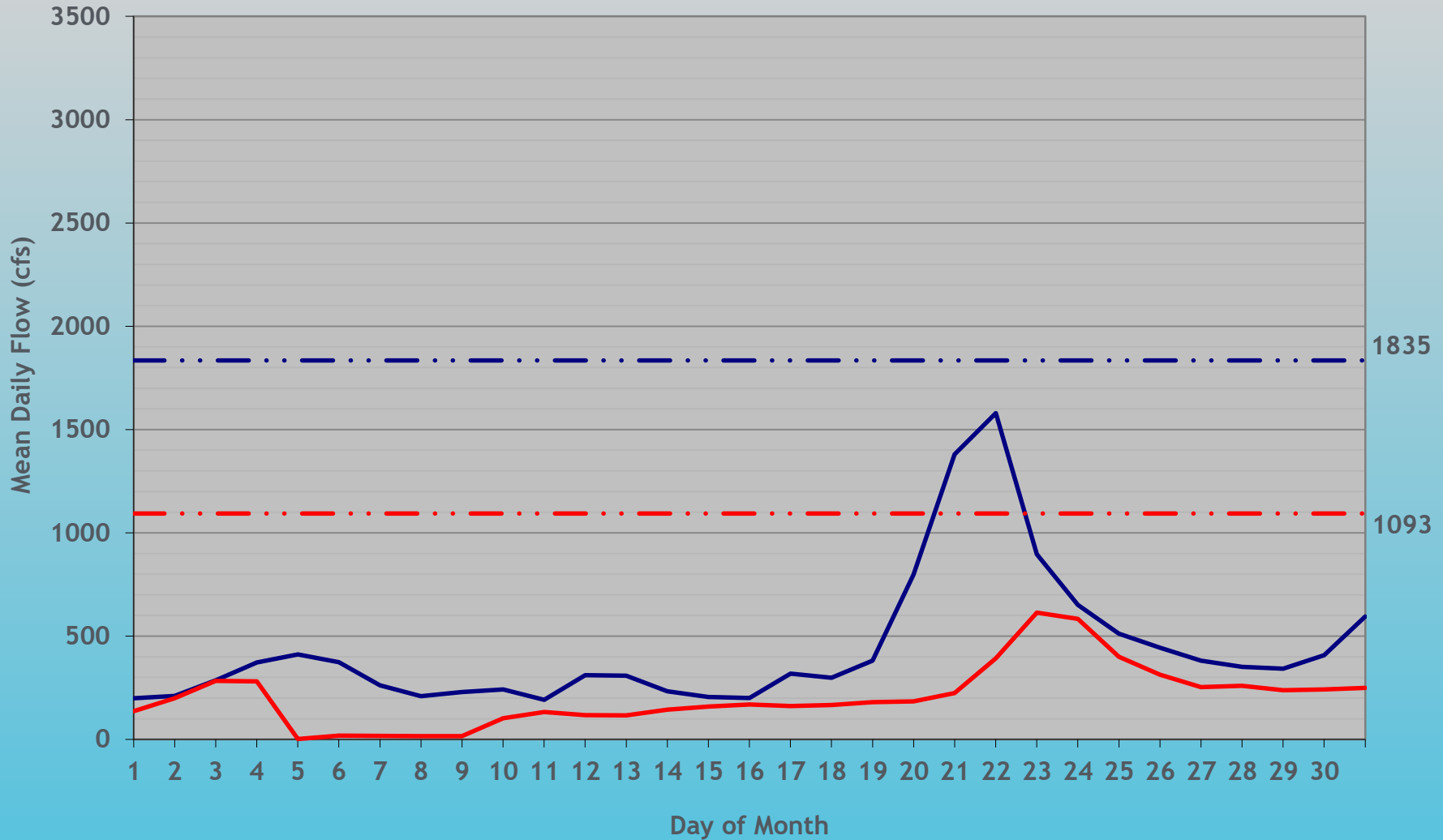
— Kersey — Julesburg — • Kersey 1901-2013 Avg. — • Julesburg 1902-2013 Avg.

KERSEY and JULESBURG May 2022



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

KERSEY and BALZAC May 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		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	

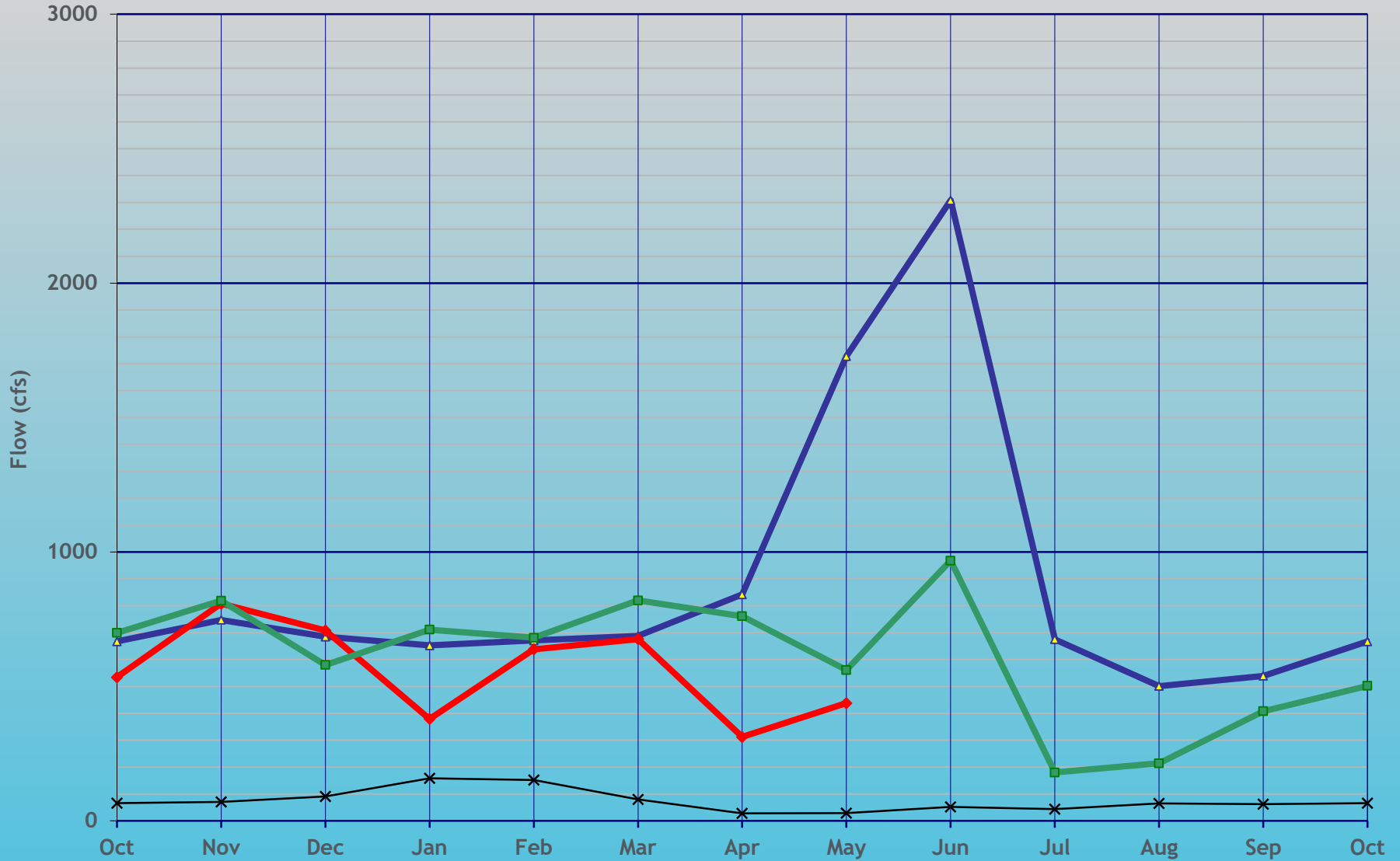
*Period of record 1902-2021

*Period of record 1902-2021



South Platte River at Kersey

Irrigation Year



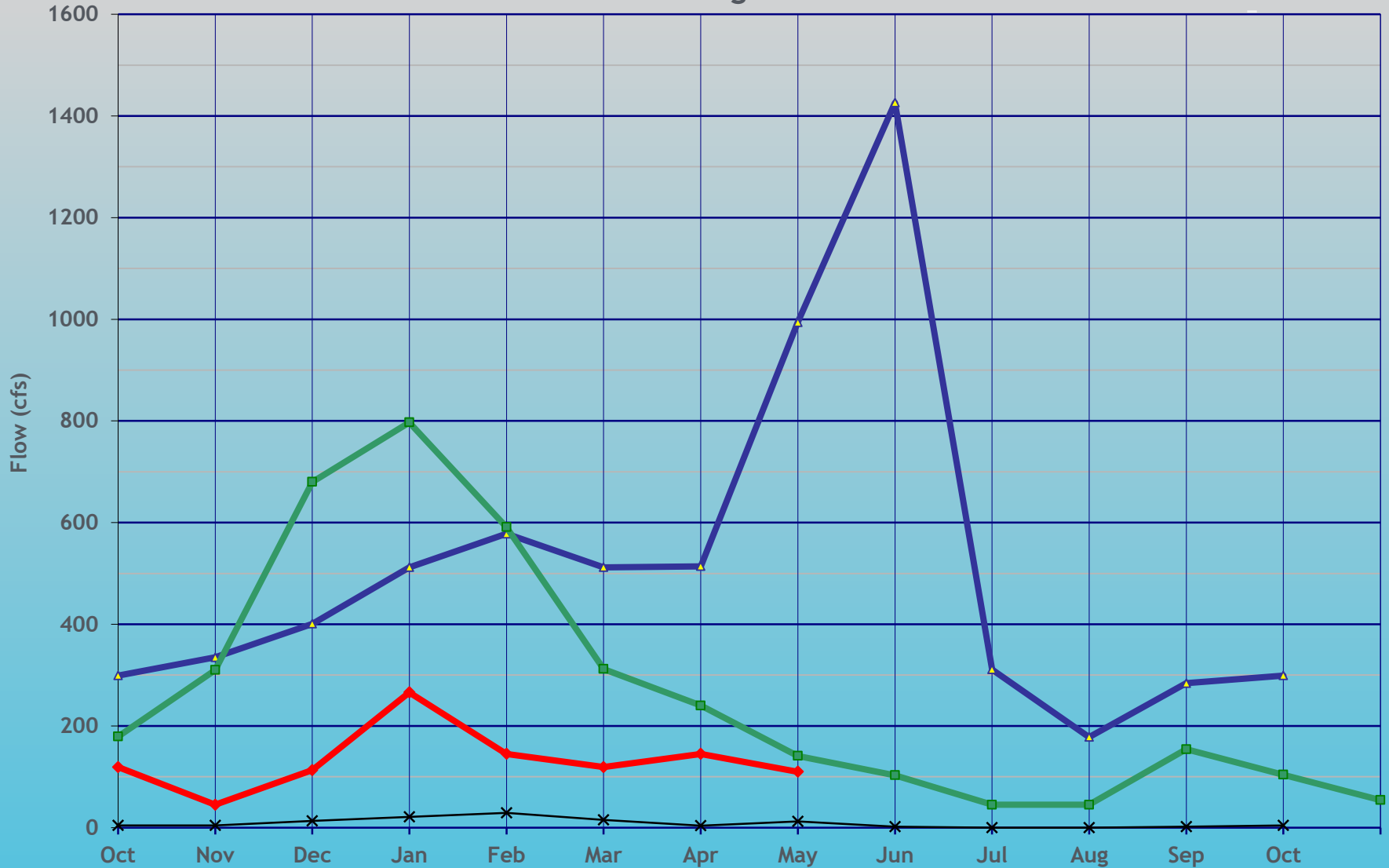
Historic* Mean Flow Historic* Min Flow 2021-2022 Mean Flow 2020-2021 Mean Flow

*1901-2016



South Platte River at Julesburg

Irrigation Year



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

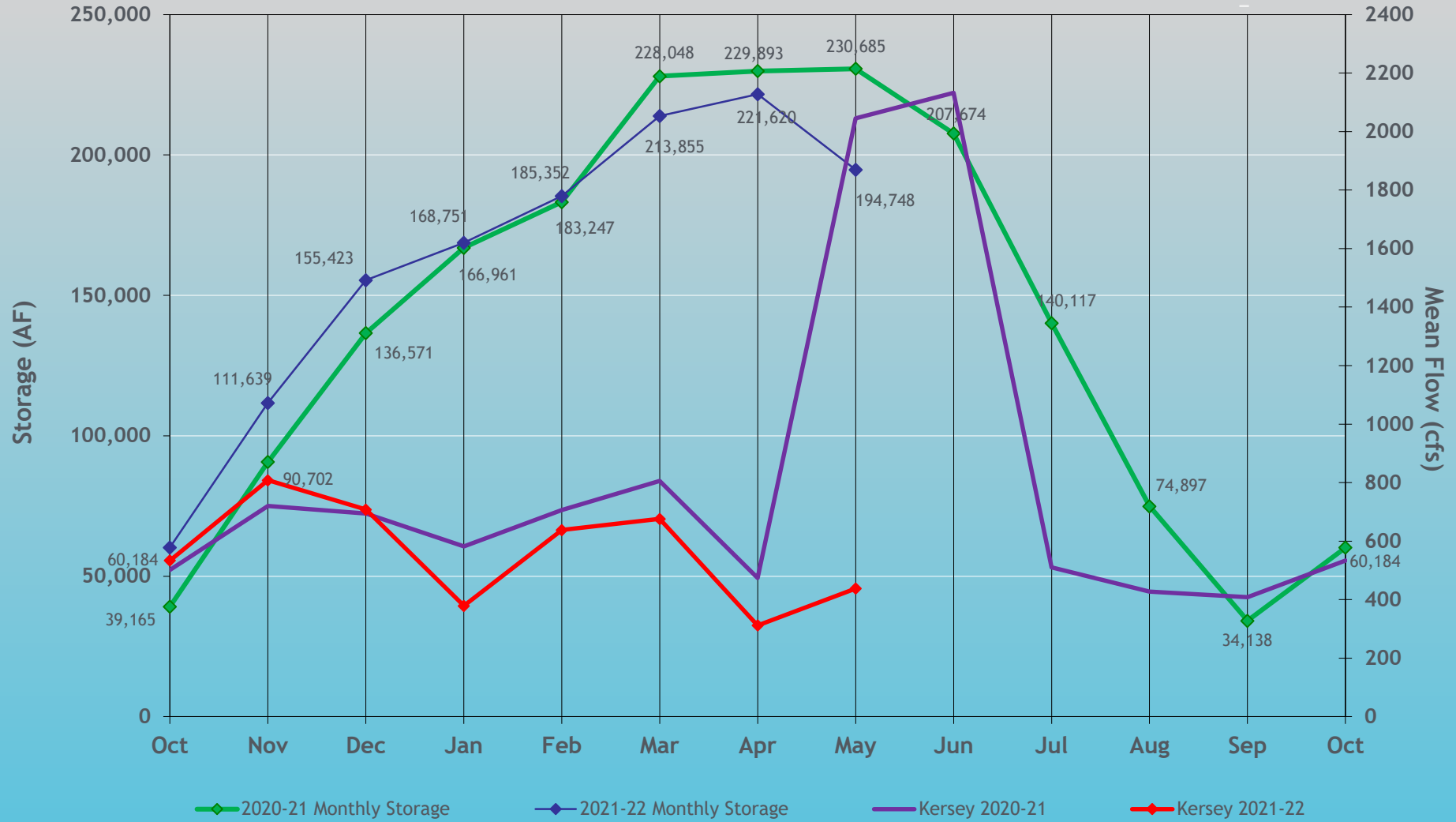
*1901-2016



Next three slides show Reservoir Storage above and below Kersey

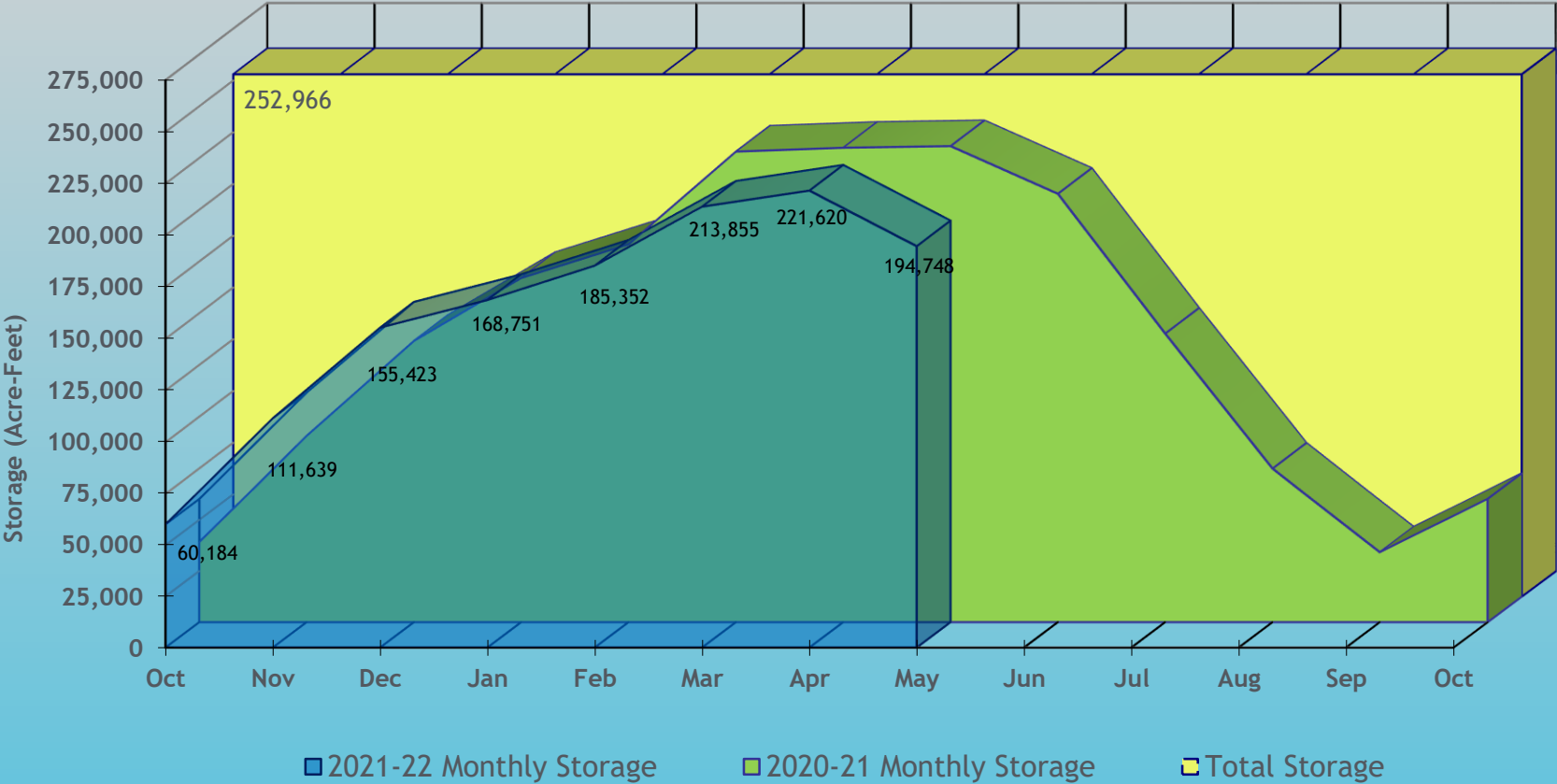
Reservoir Storage below Kersey

Selected Reservoirs*



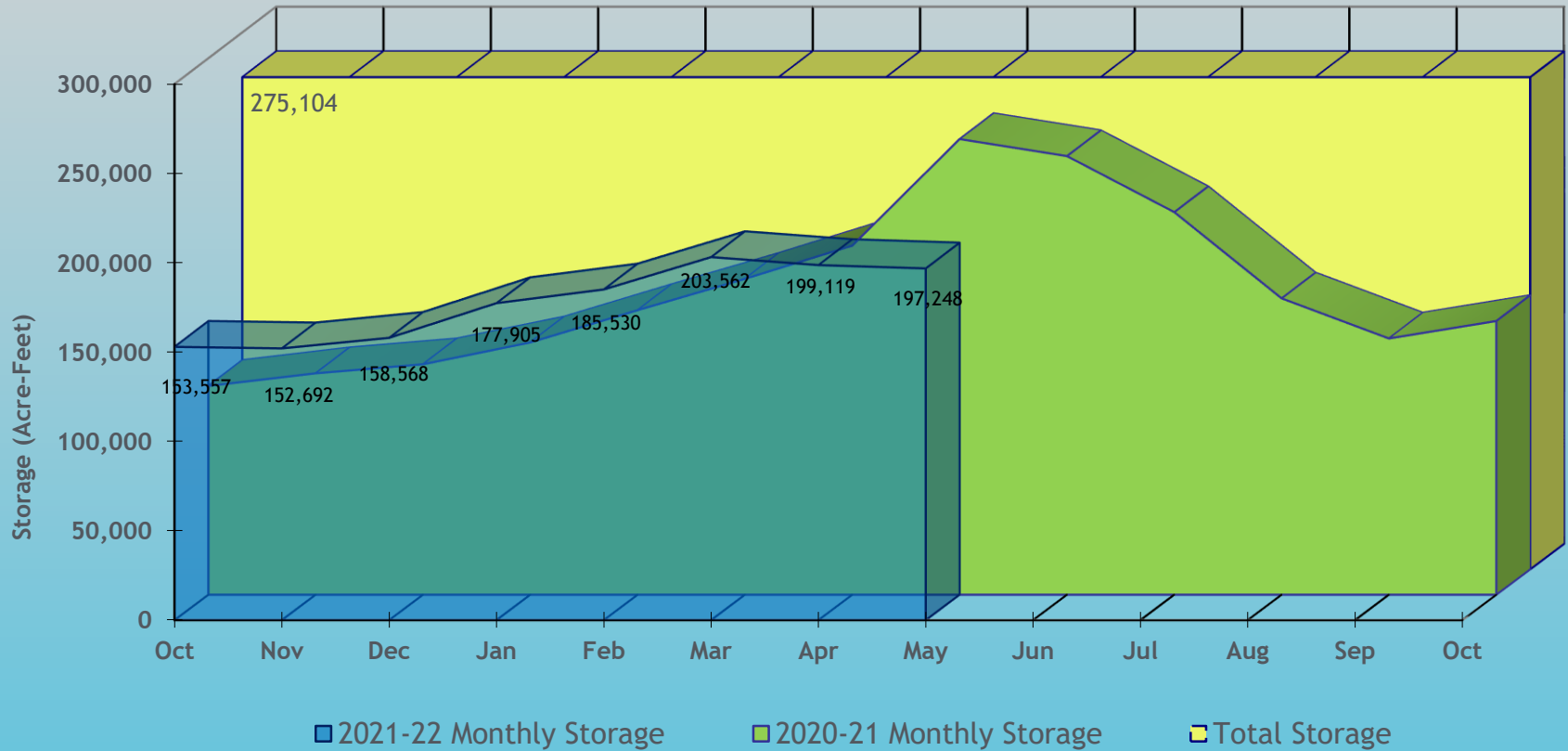
*Empire, Riverside, Jackson, Prewitt, North Sterling, & Julesburg

South Platte Reservoir Storage below Kersey*



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

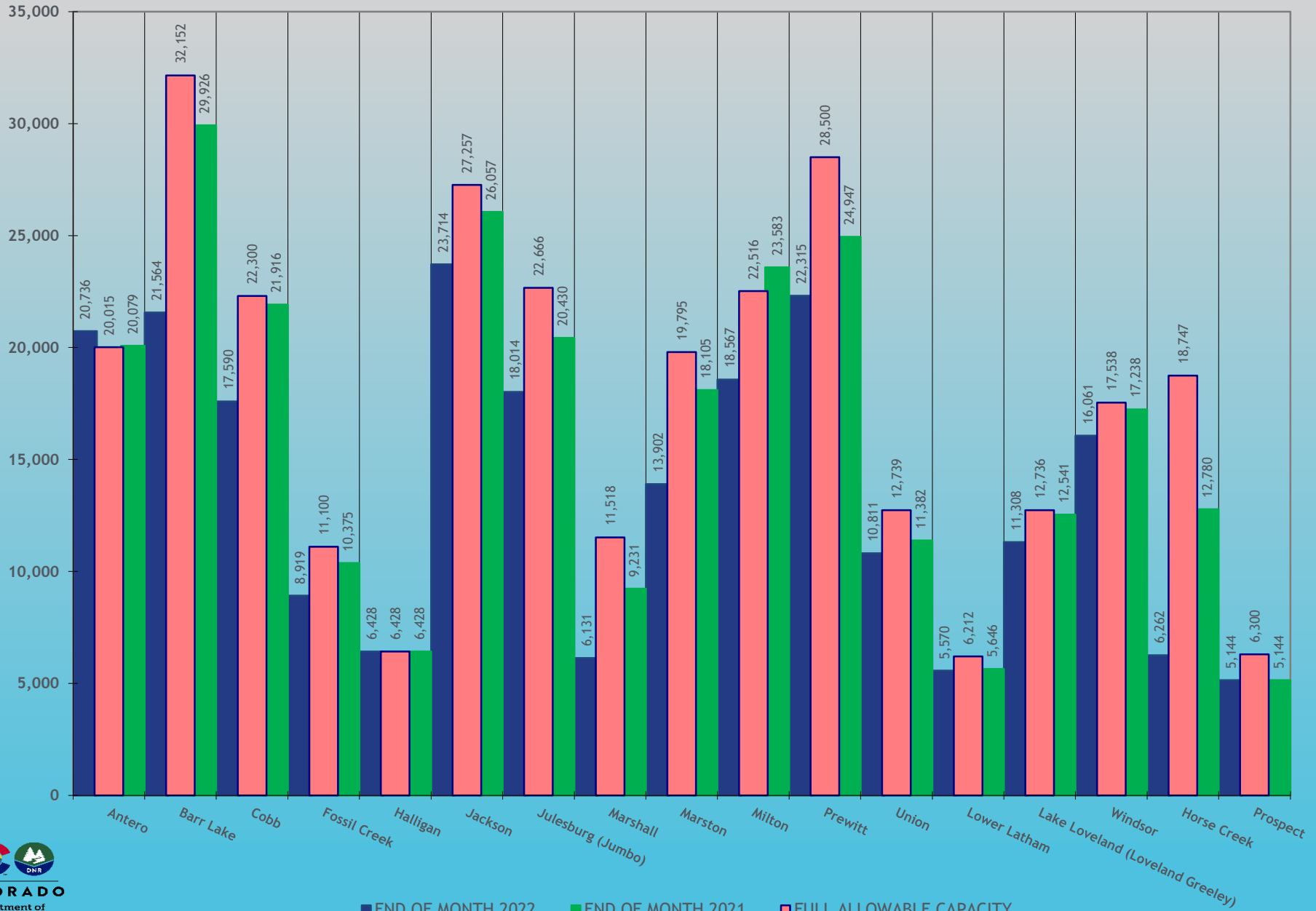
South Platte Reservoir Storage above Kersey*



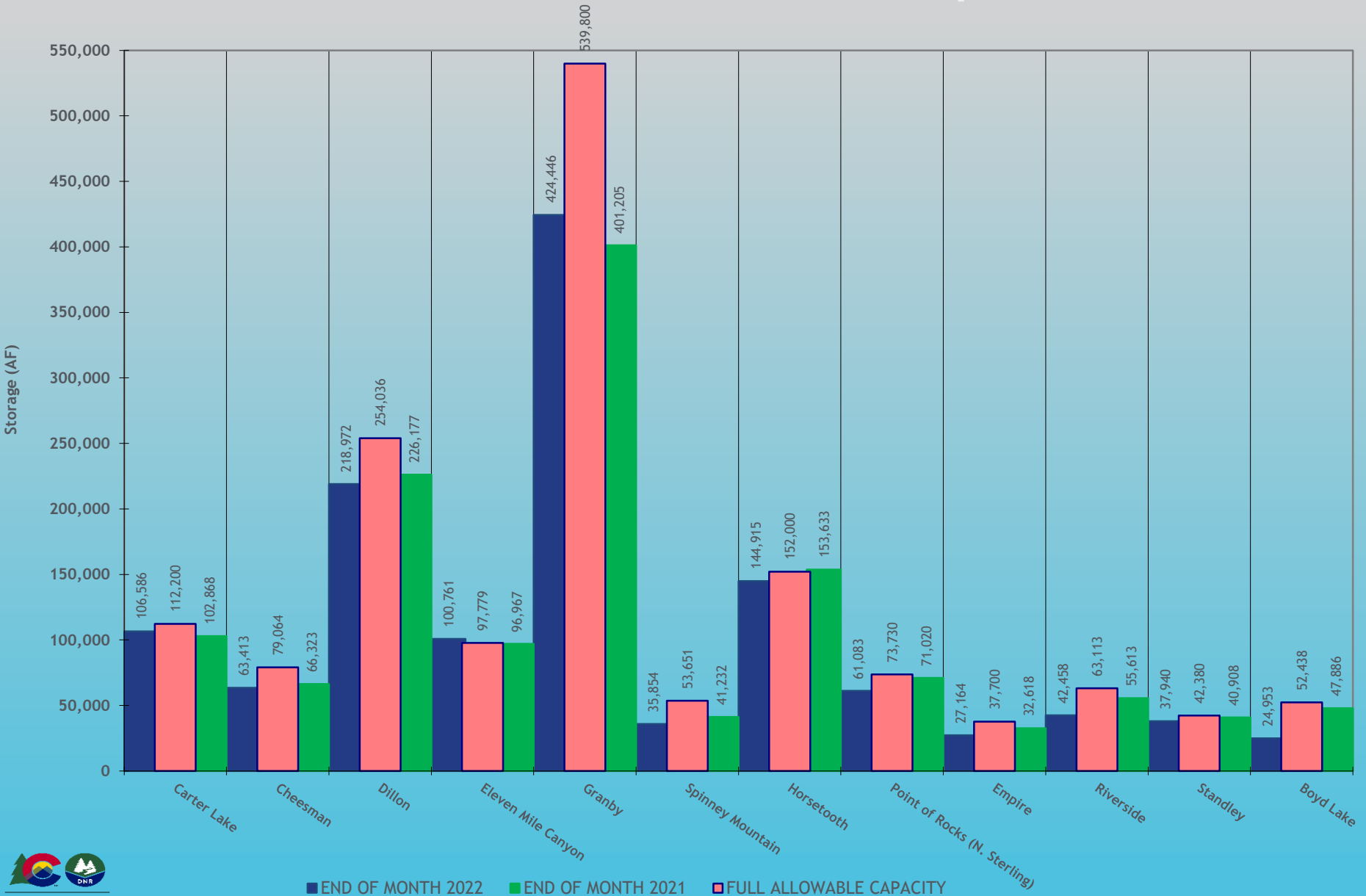
*Barr, Cobb, Fossil Crk, Halligan, Marshall, Milton, Union, Standley, Lower Latham, Boyd, Loveland, Windsor, Horse Crk, & Prospect



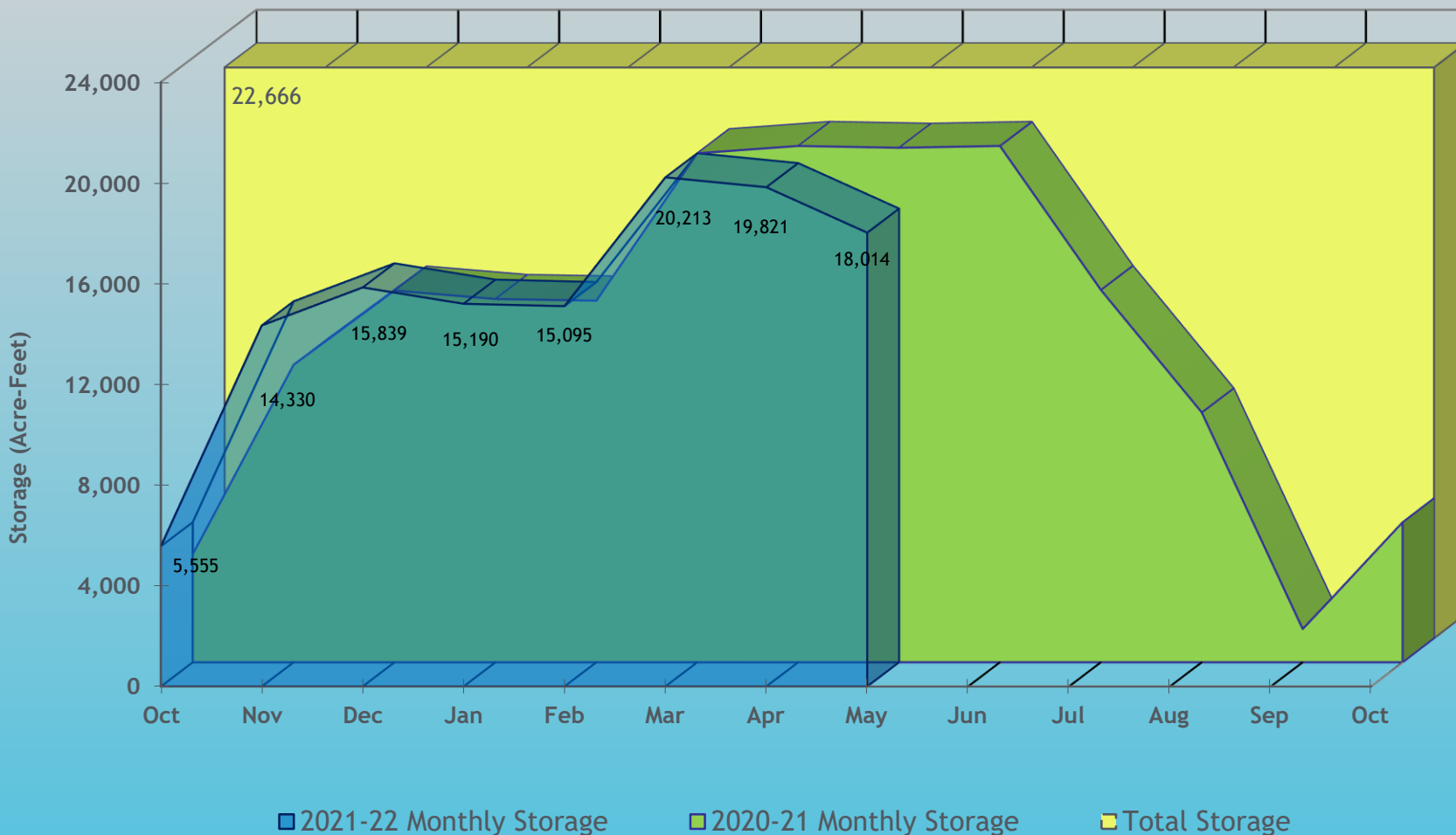
May Reservoir Change in Storage IY2021 versus IY2022



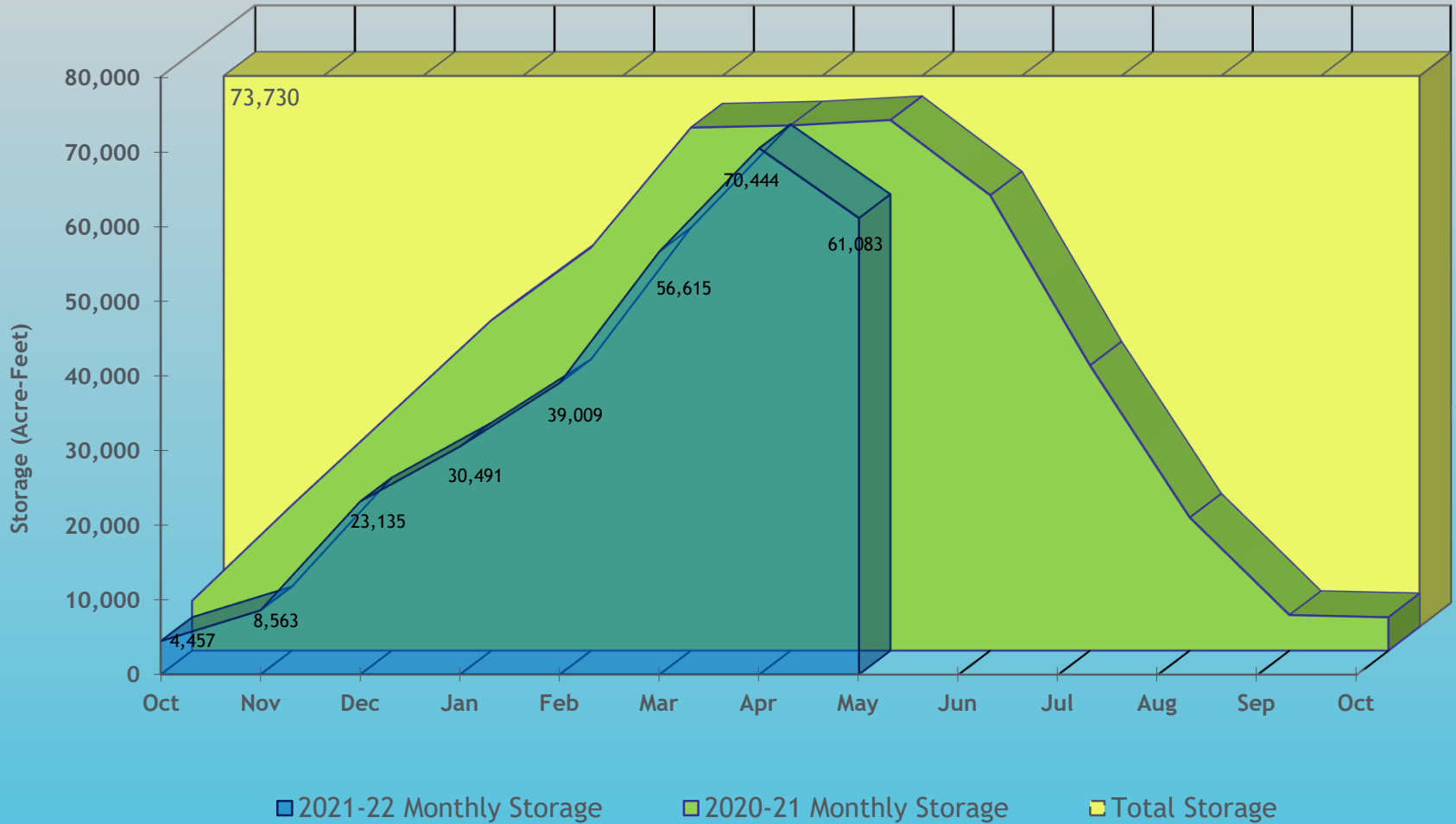
May Reservoir Change in Storage IY2021 versus IY2022



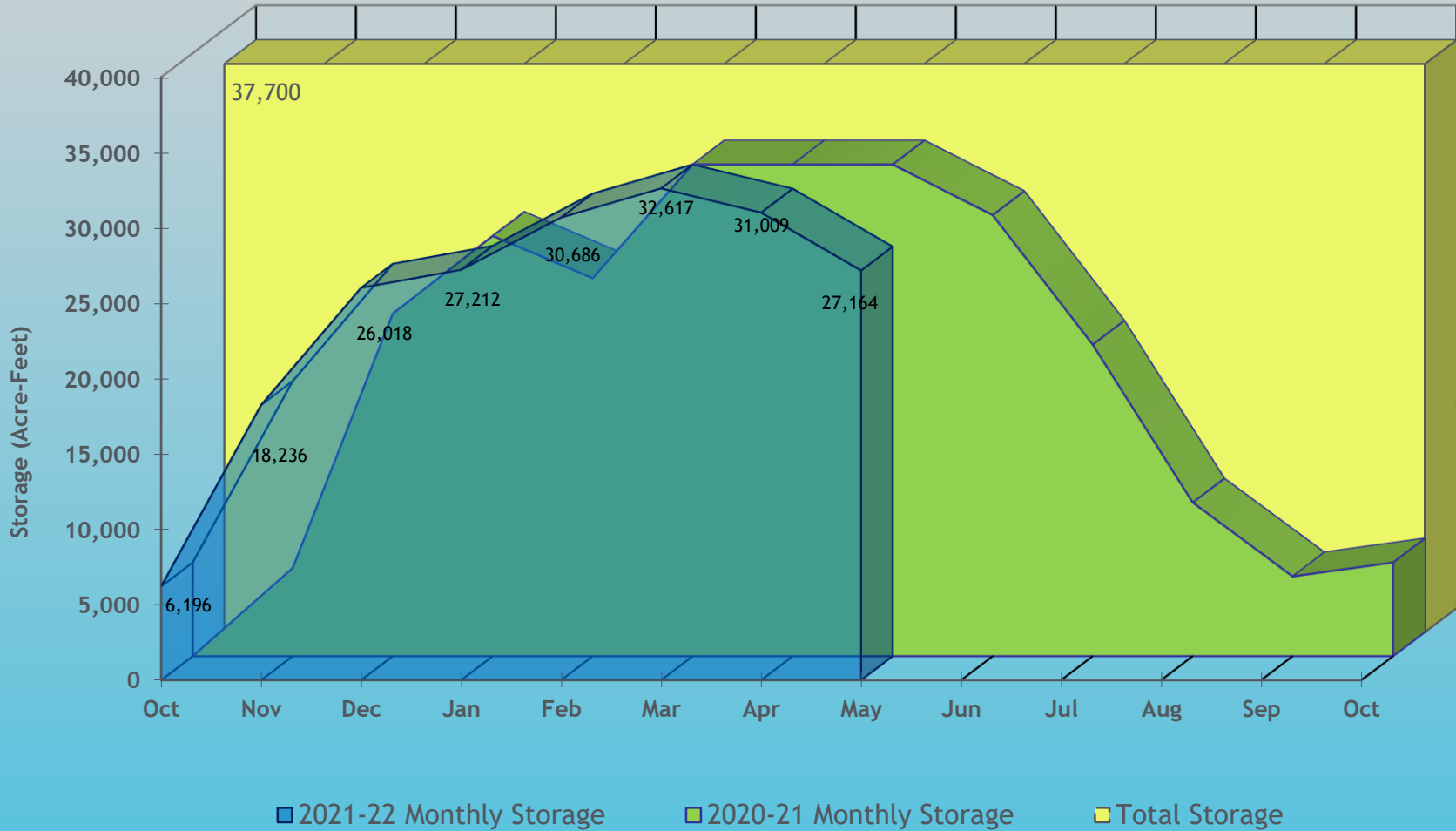
Julesburg Reservoir (District 64 - Agricultural)



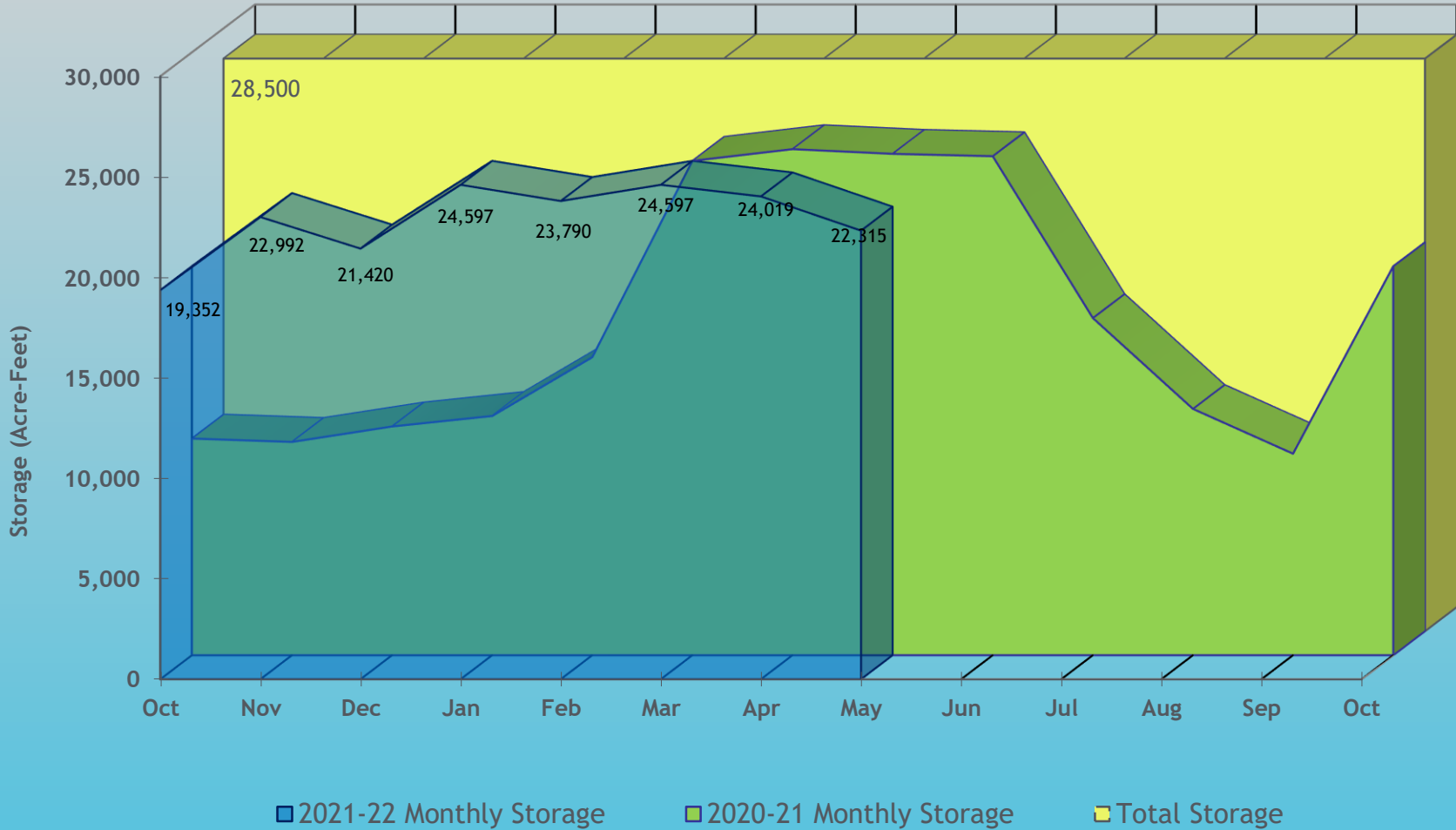
North Sterling Reservoir (District 64 - Agricultural)



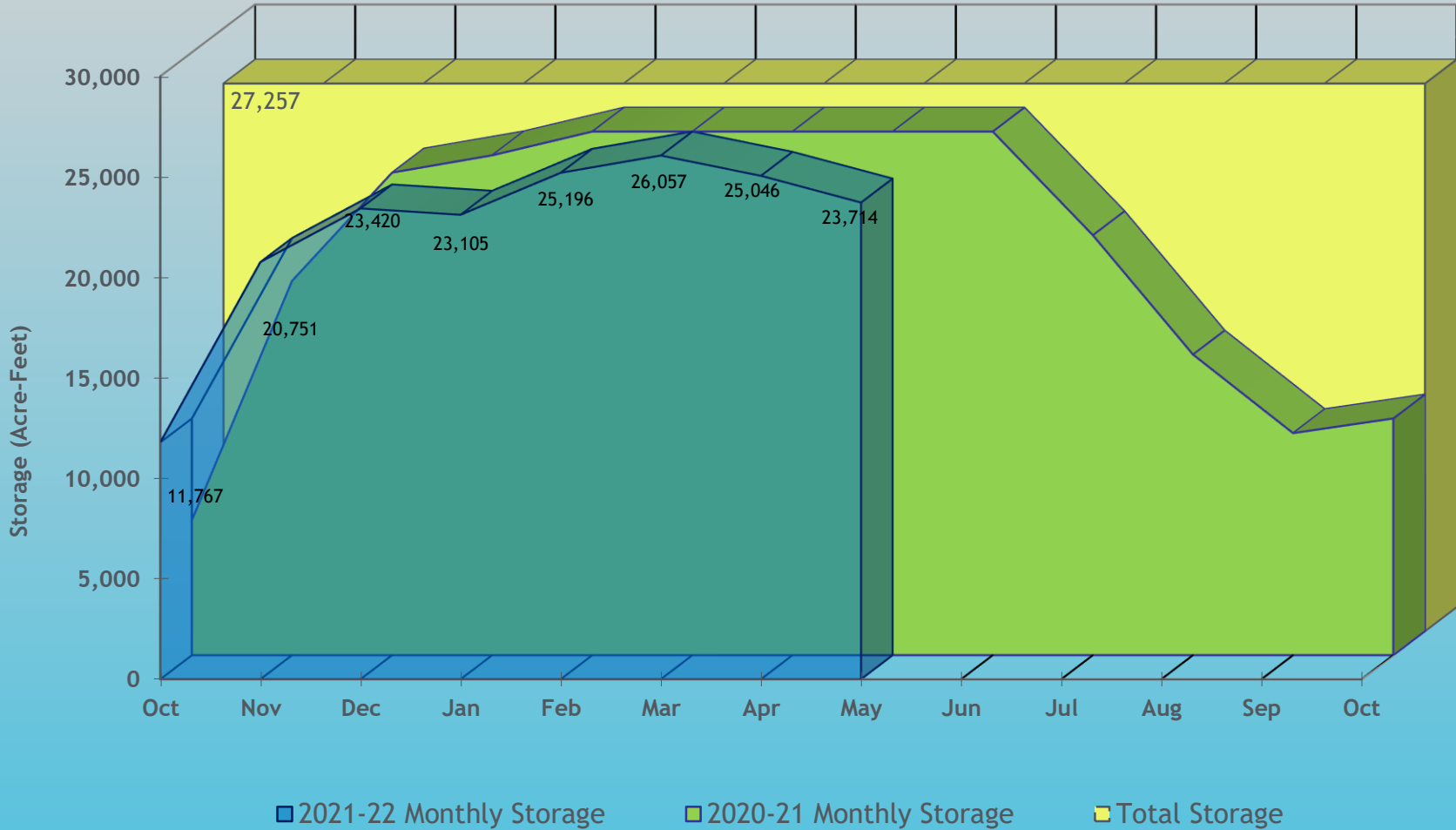
Empire Reservoir (District 1 - Agricultural)



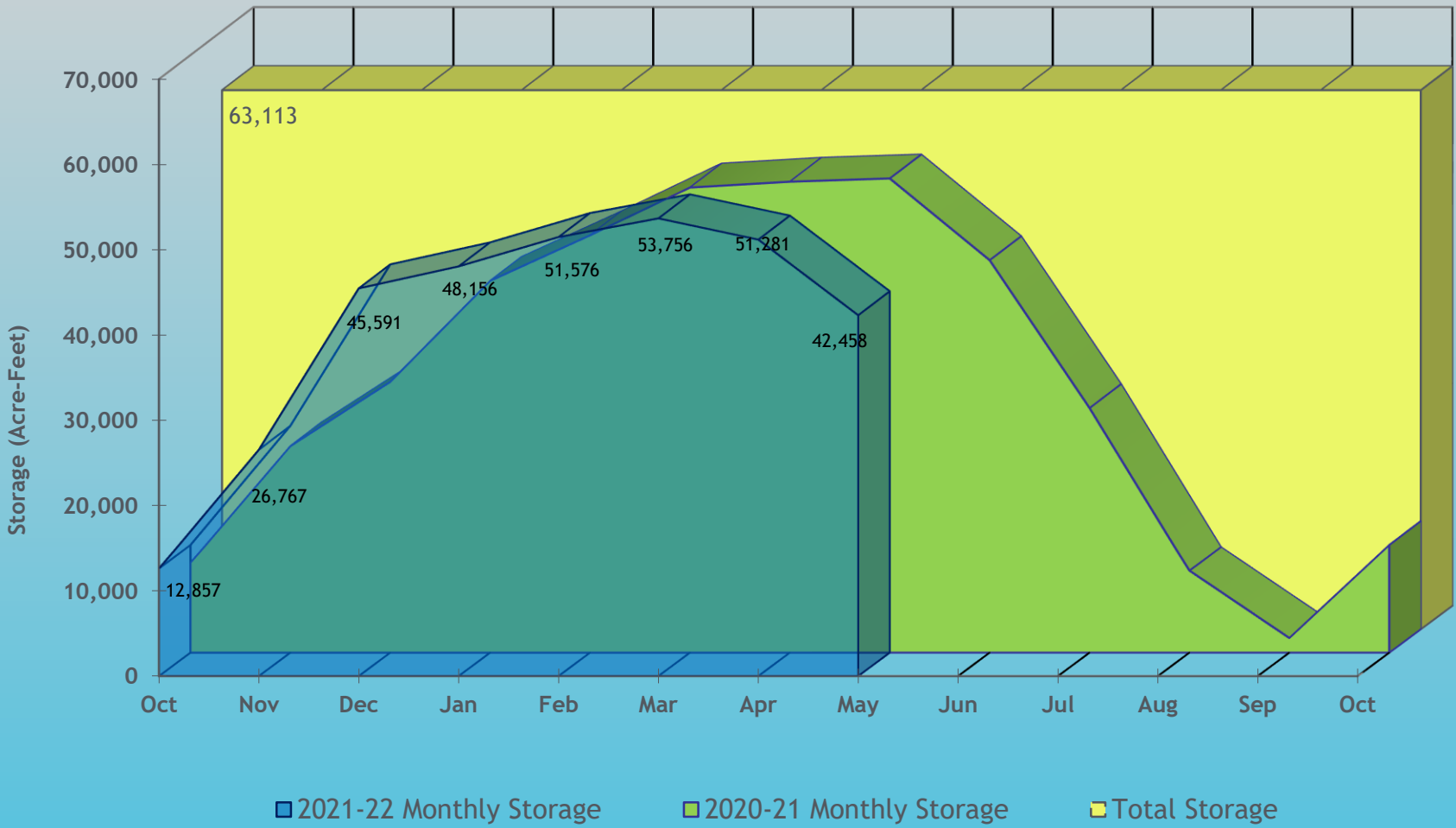
Prewitt Reservoir (District 64 - Agricultural)



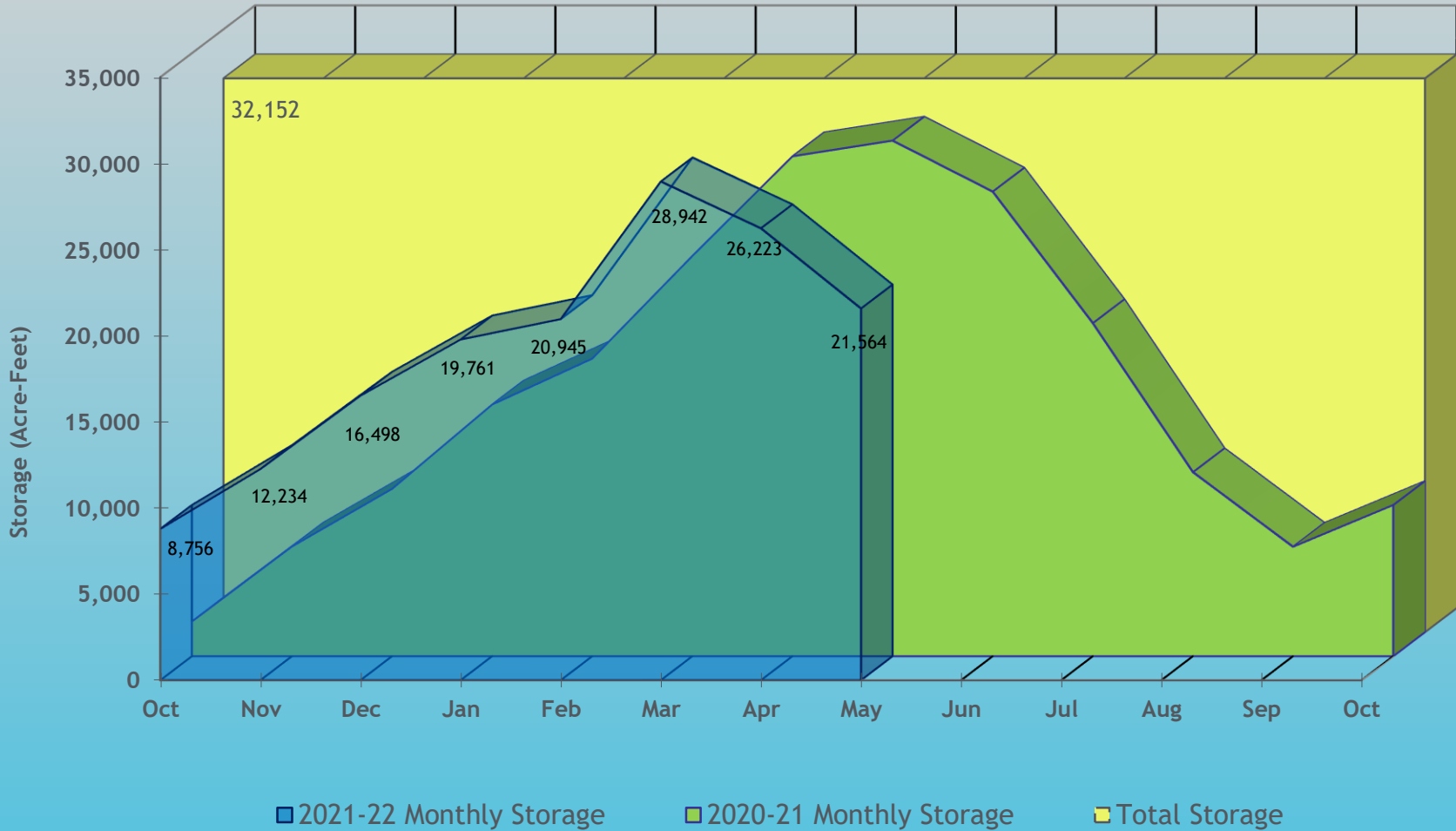
Jackson Reservoir (District 1 - Agricultural)



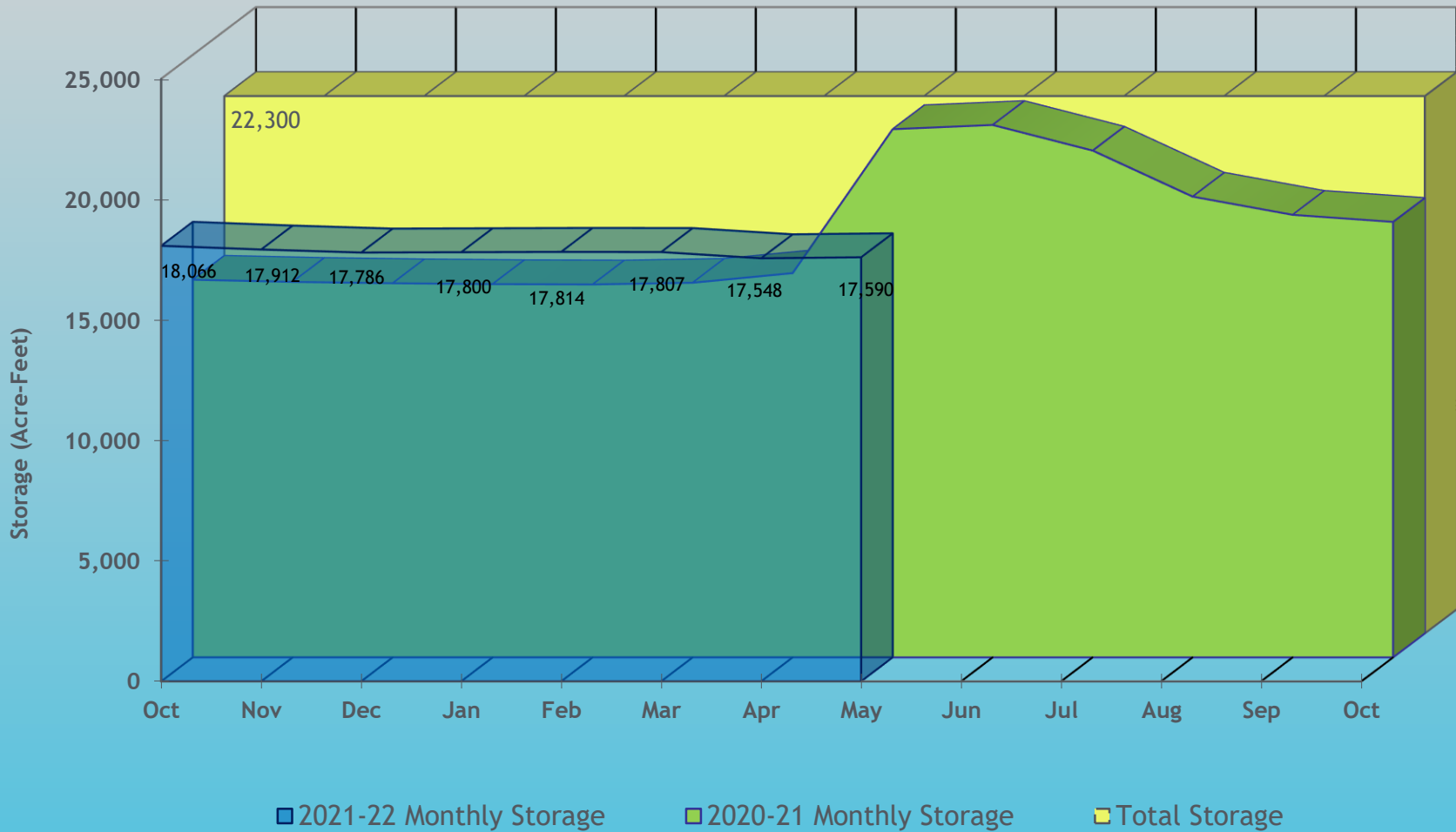
Riverside Reservoir (District 1 - Agricultural)



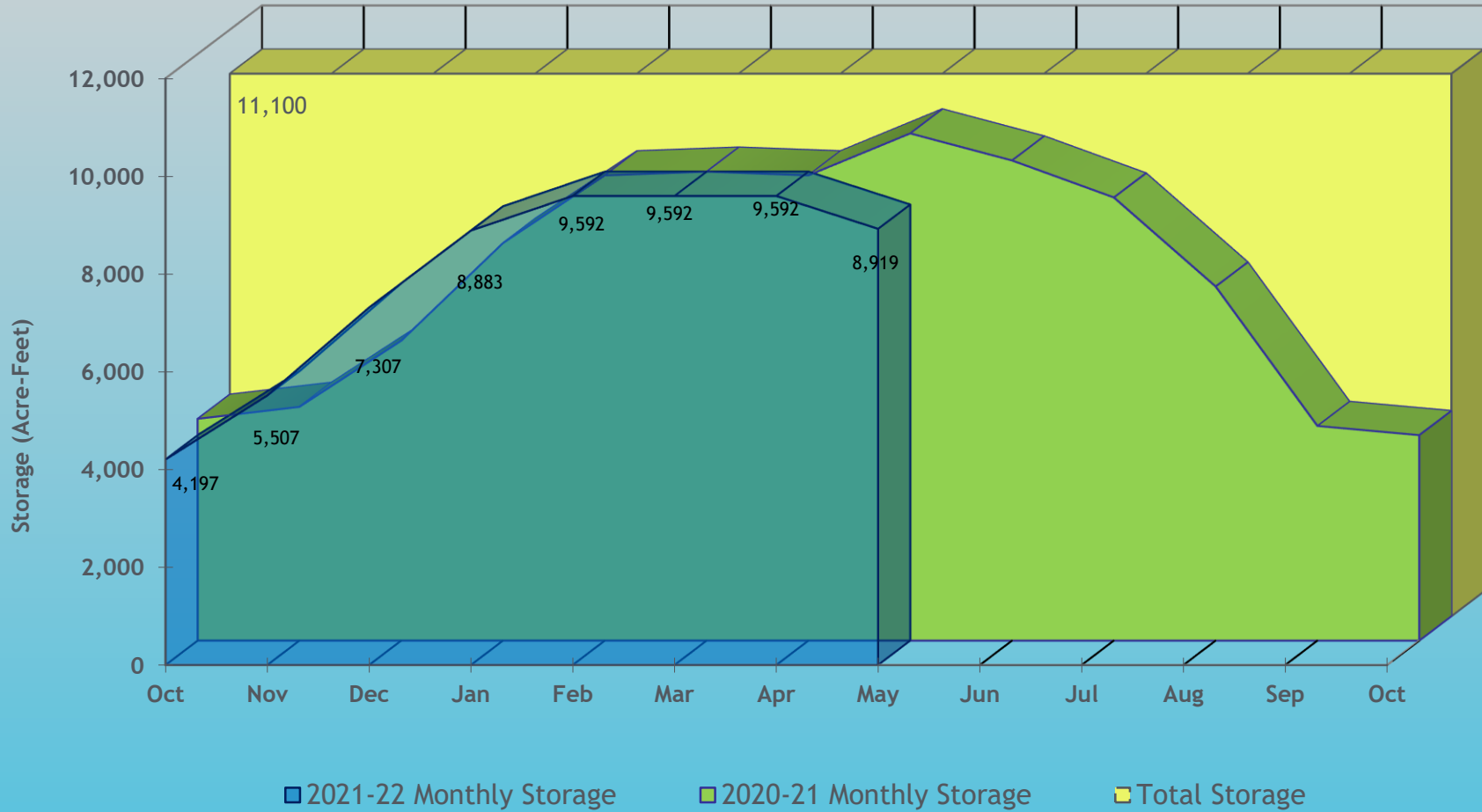
Barr Reservoir (District 2 - Agricultural)



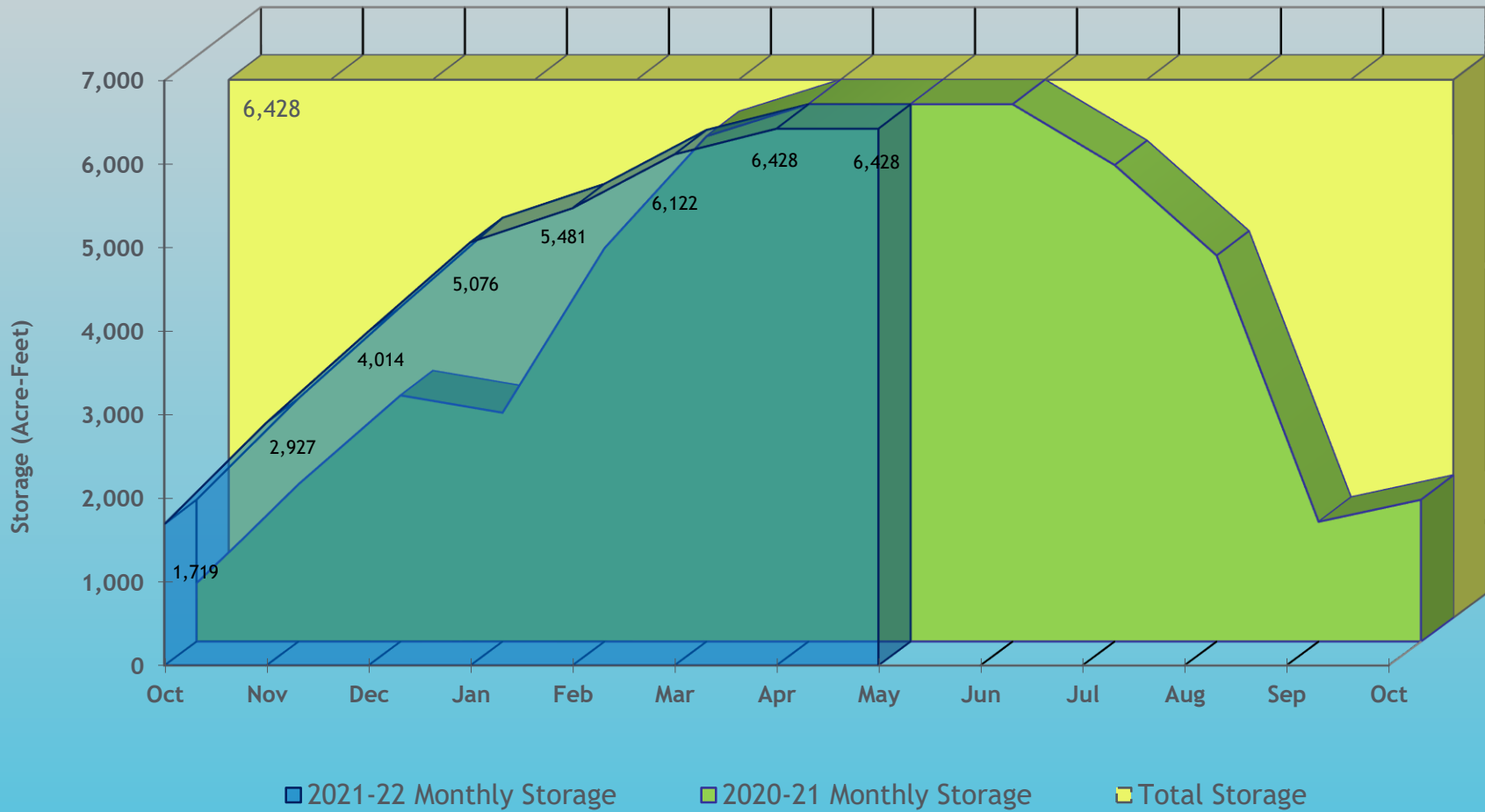
Cobb Reservoir (District 3, Poudre River - Agricultural)



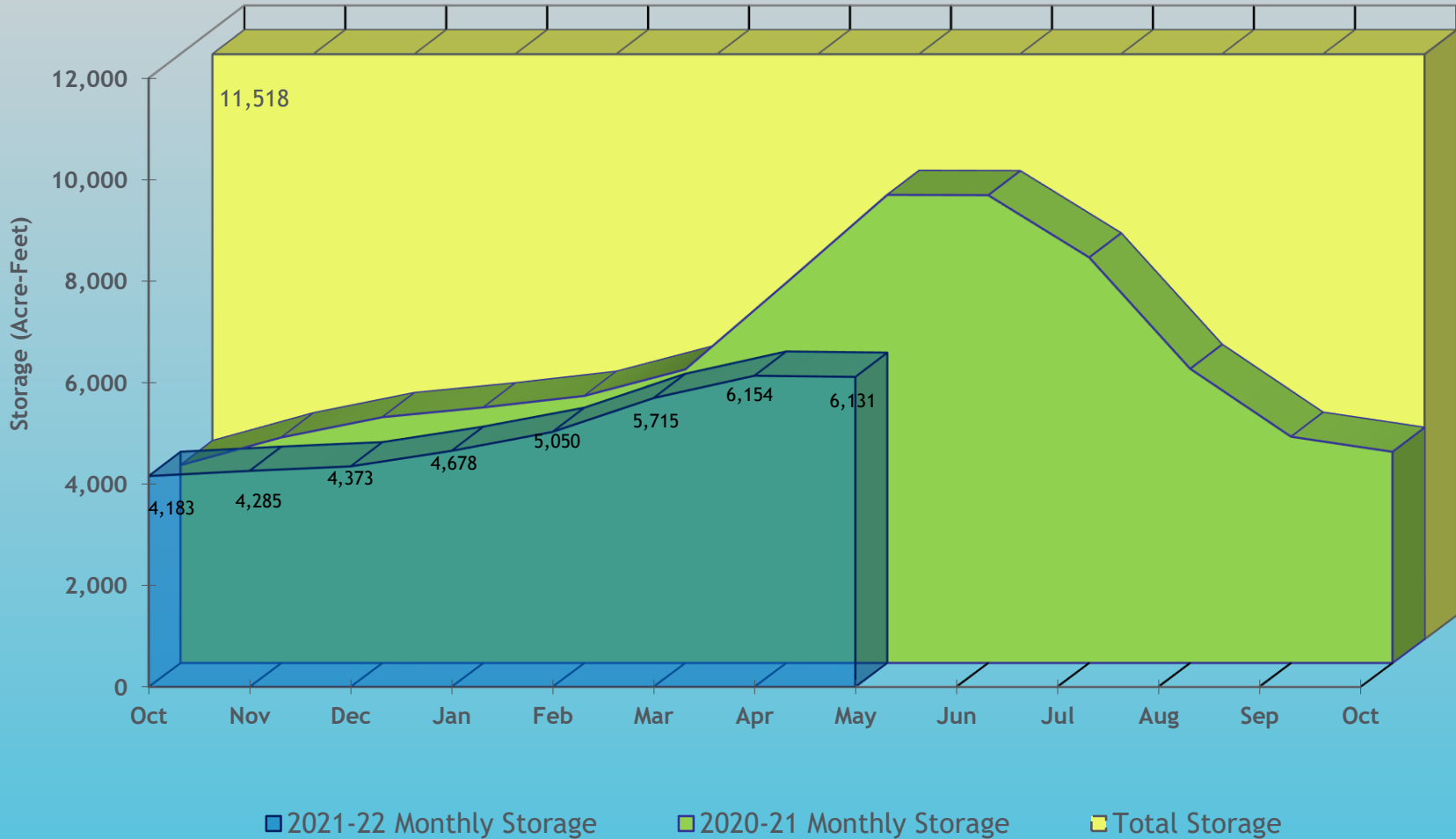
Fossil Creek Reservoir (District 3, Poudre River - Agricultural)



Halligan Reservoir (District 3, Poudre River - Agricultural)



Marshall Lake (District 6, Boulder Creek - Agricultural)

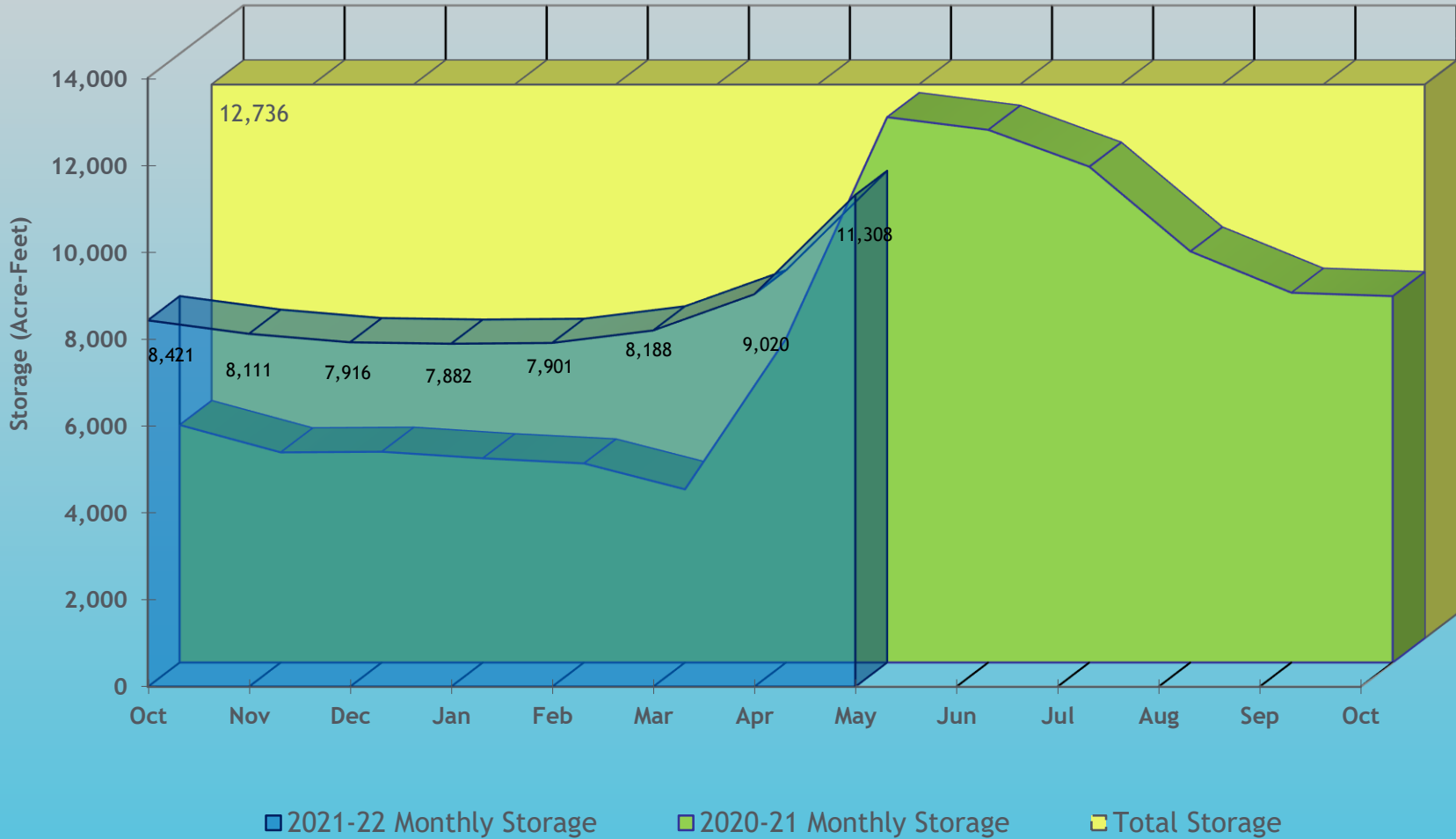


■ 2021-22 Monthly Storage

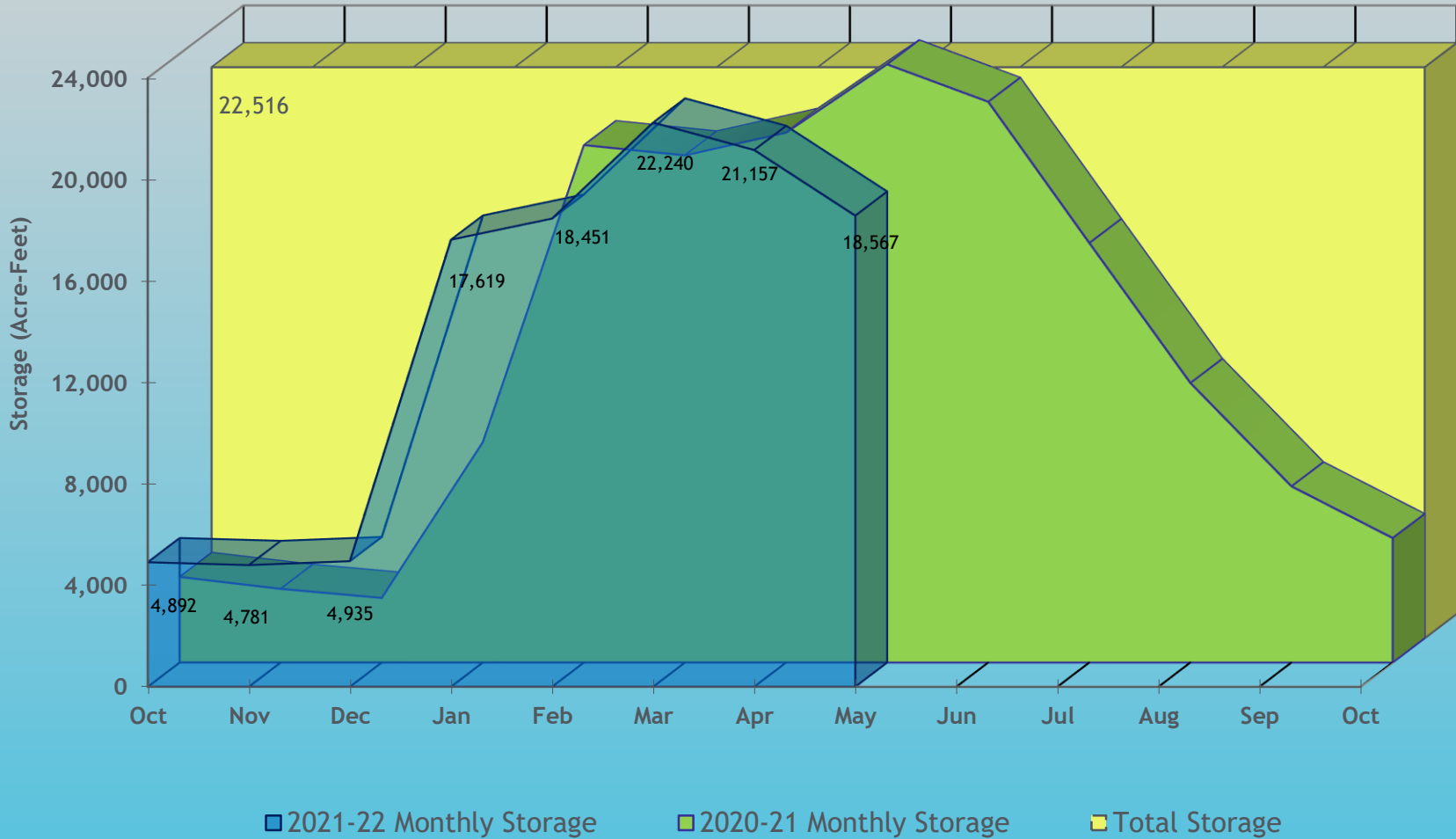
■ 2020-21 Monthly Storage

■ Total Storage

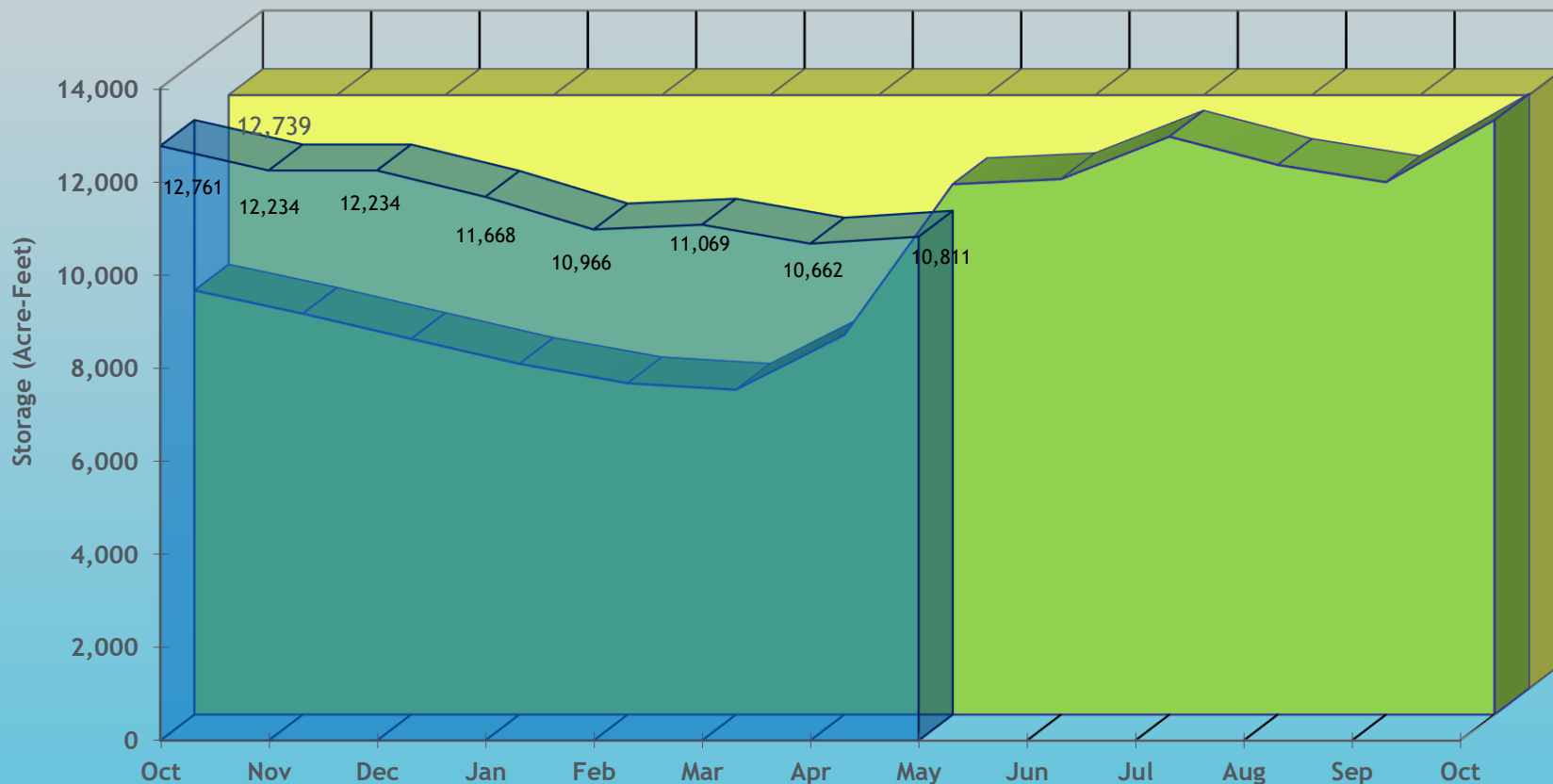
Loveland Greeley Reservoir (District 4, Big Thompson River - Agricultural)



Milton Reservoir (District 2 - Agricultural)



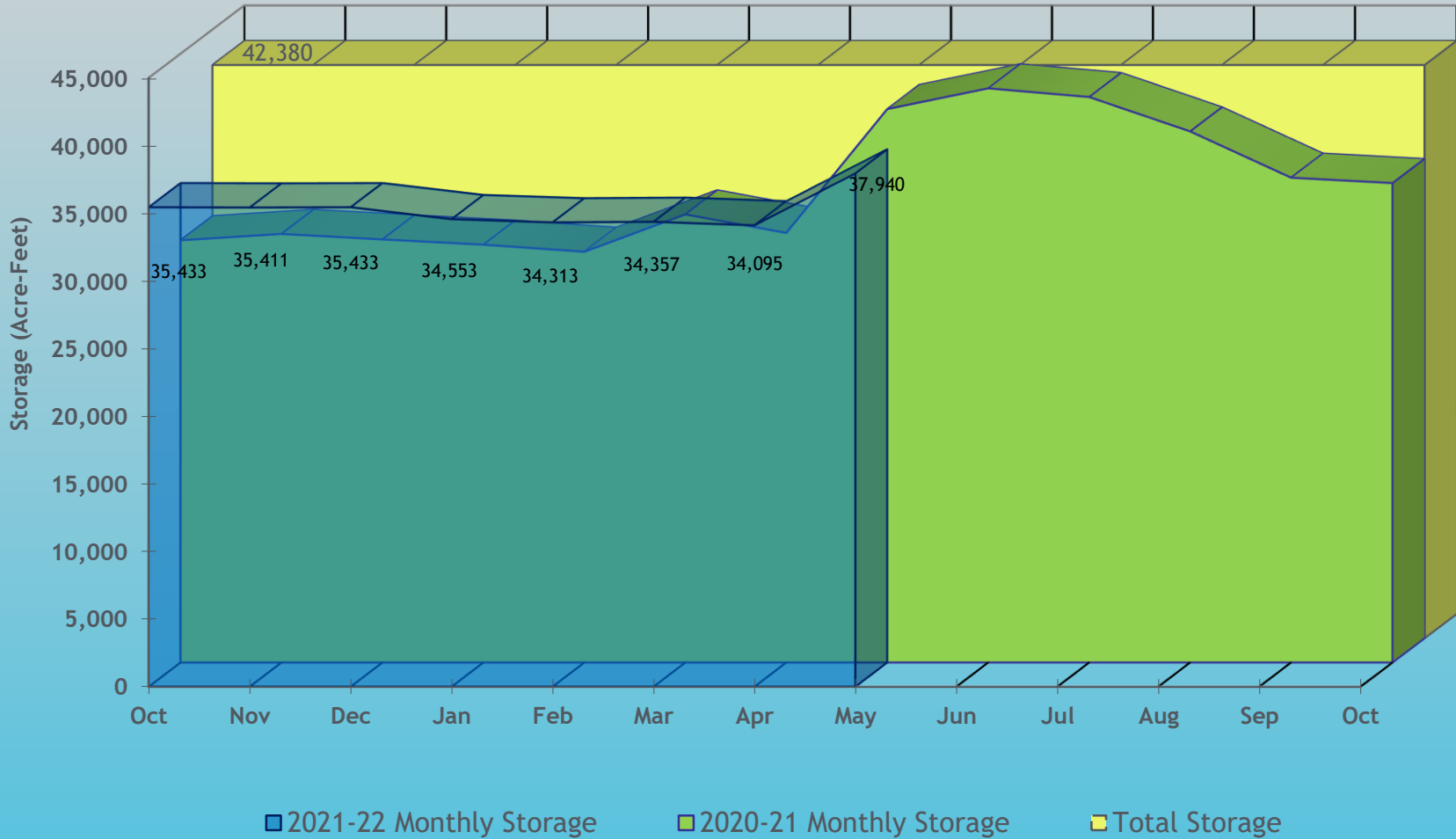
Union Reservoir (District 5, St. Vrain Creek - Agricultural)



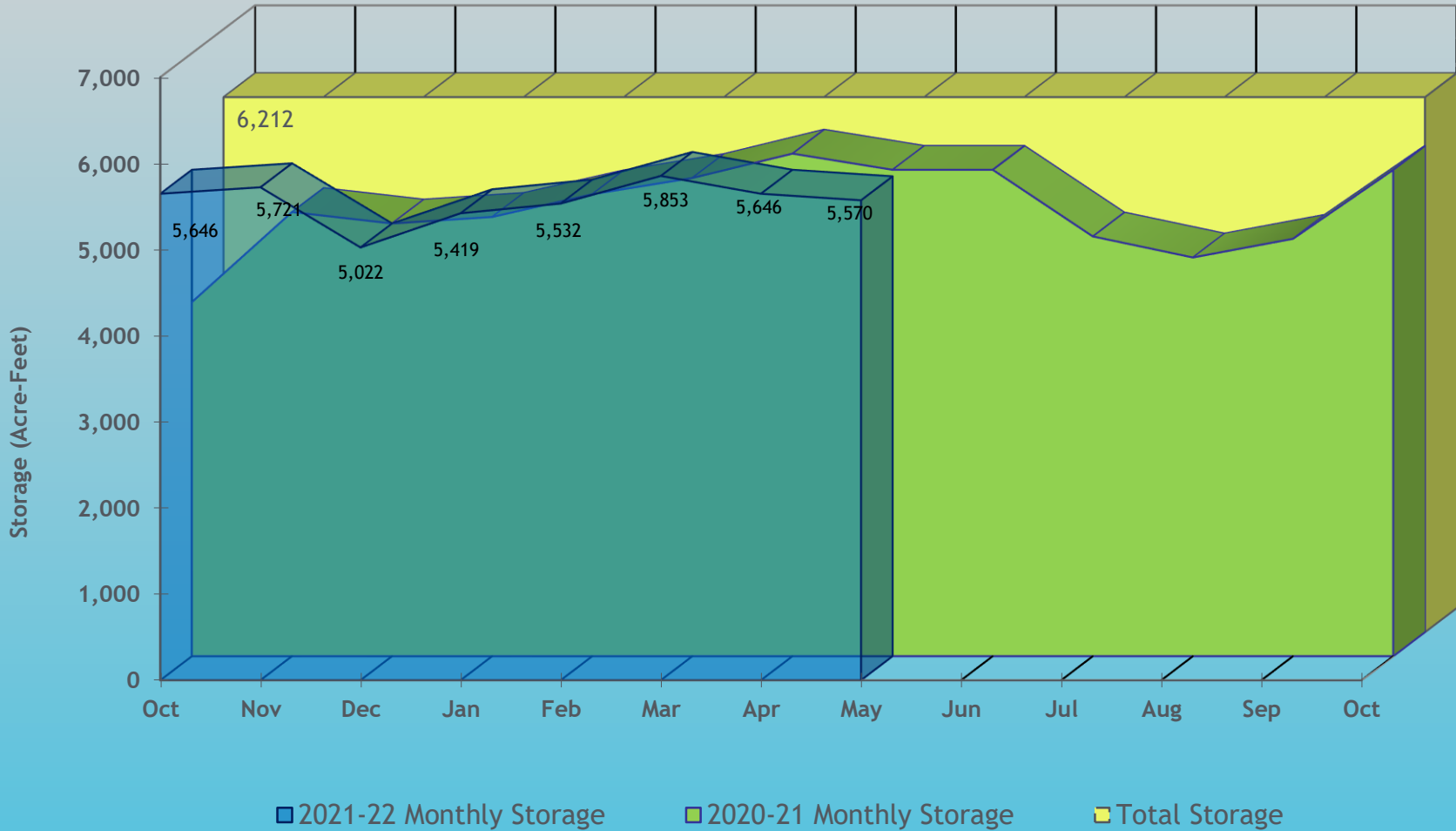
■ 2021-22 Monthly Storage
 ■ 2020-21 Monthly Storage
 ■ Total Storage



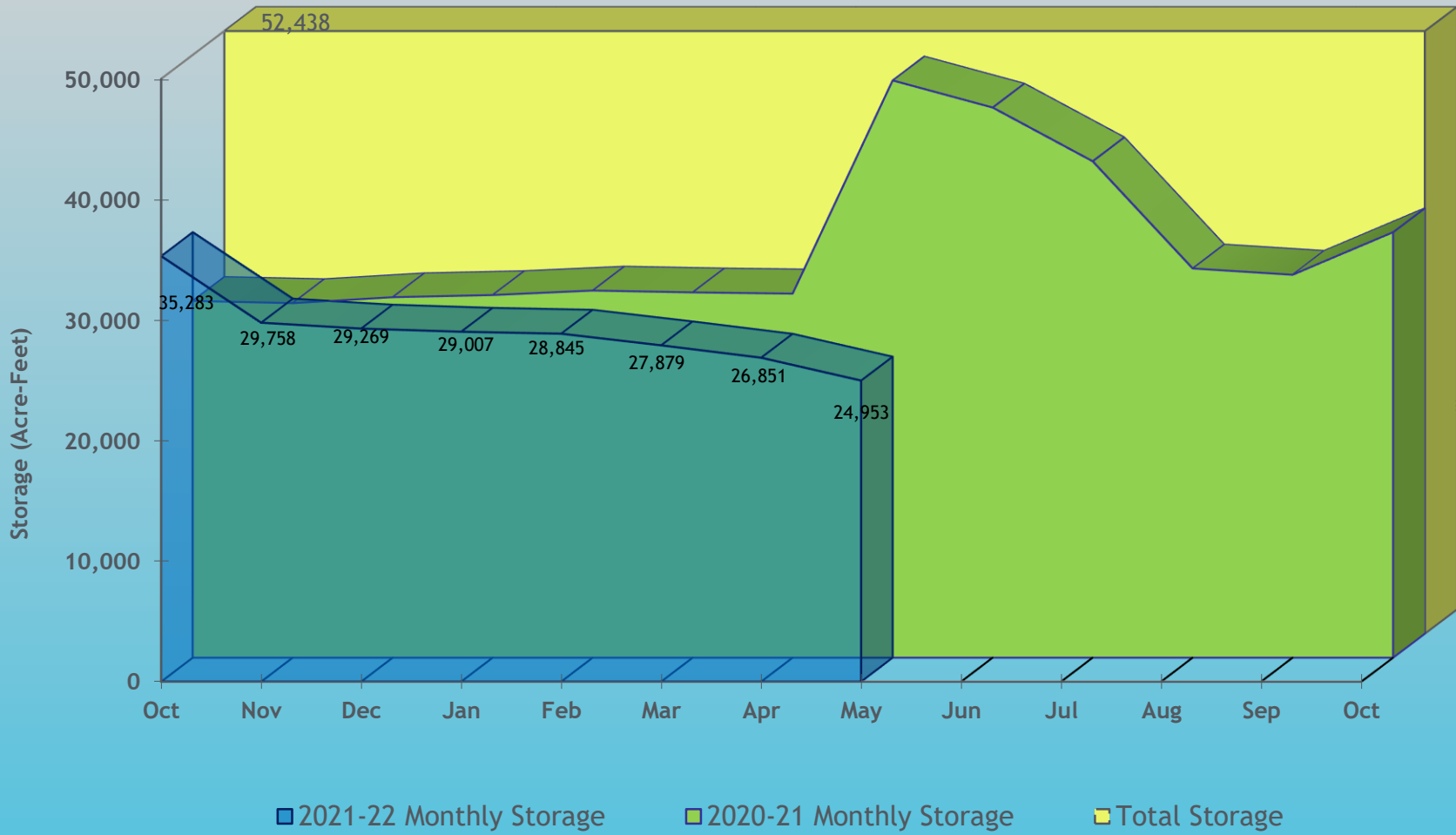
Standley Lake (Agricultural)



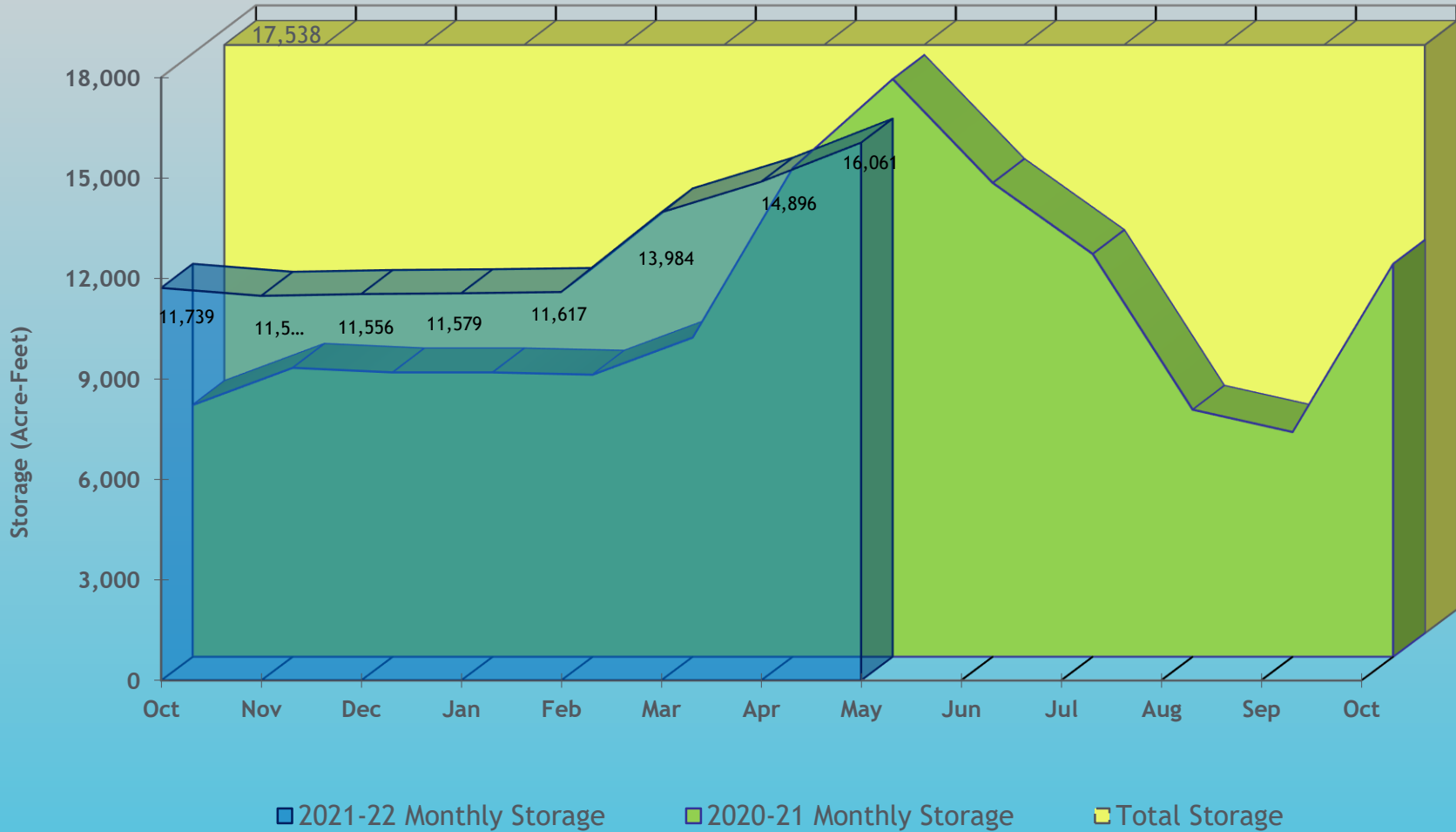
Lower Latham Reservoir (District 2 - Agricultural)



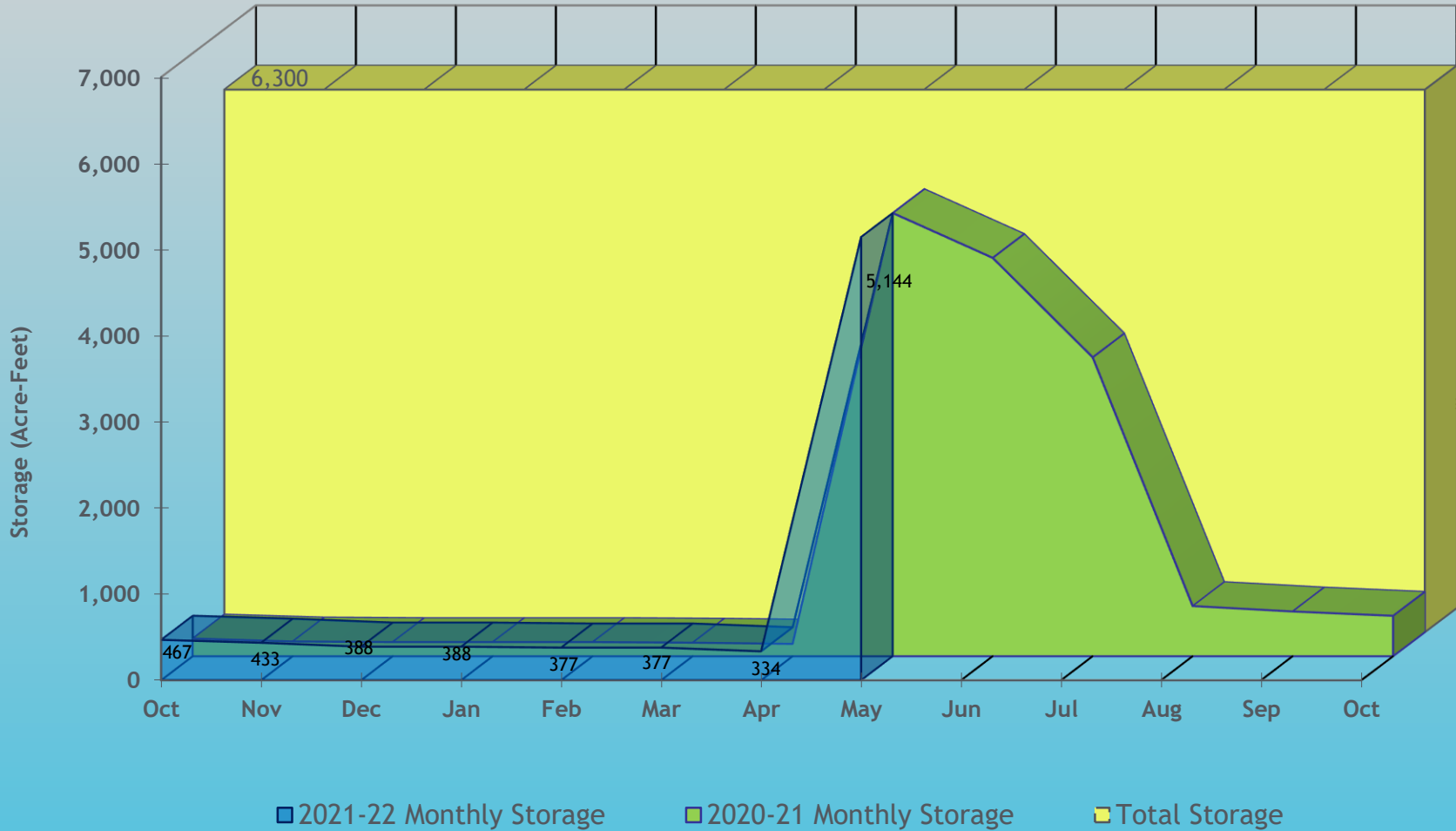
Boyd Lake (District 4, Big Thompson River - Agricultural)



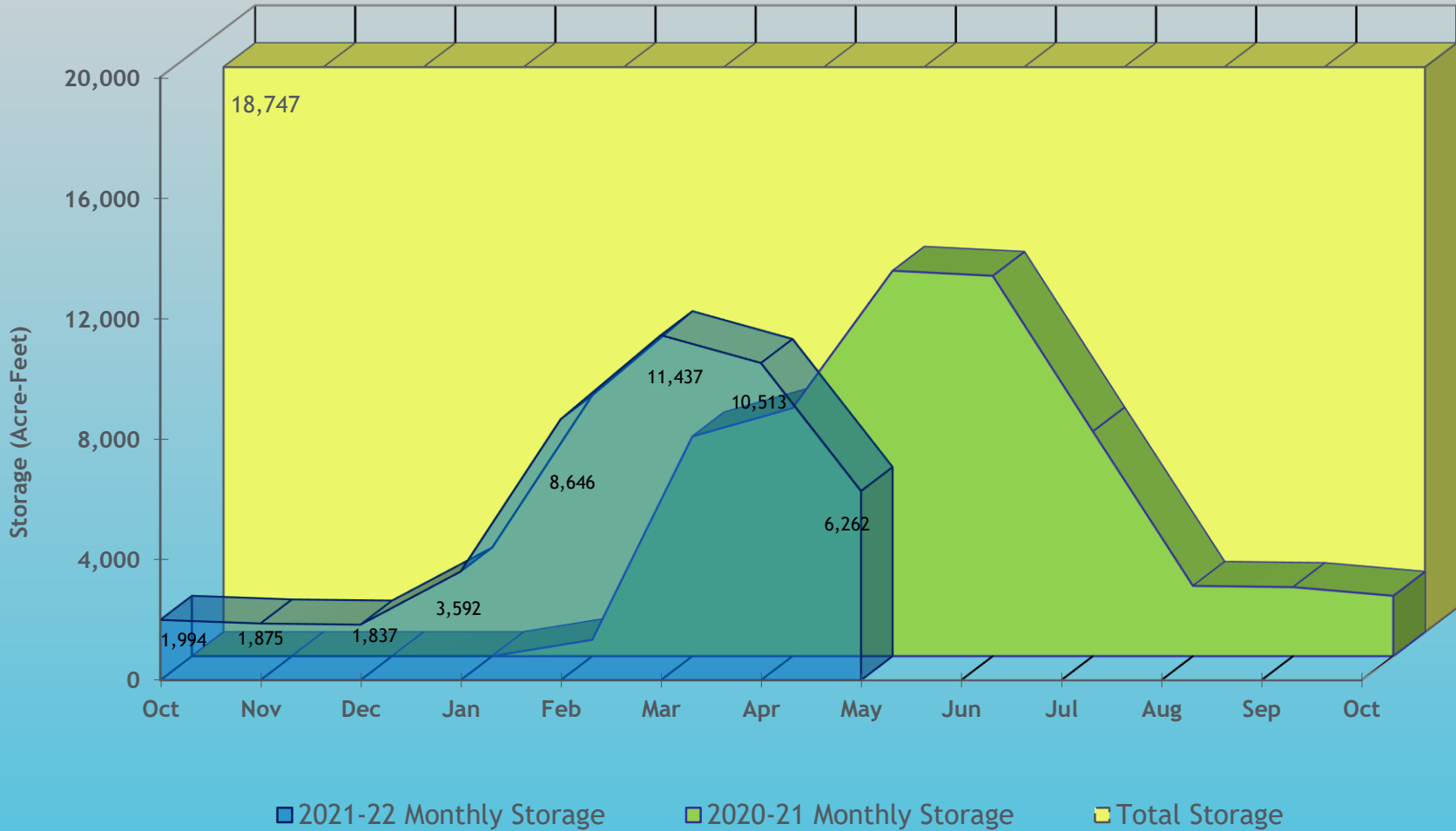
Windsor Reservoir (District 3, Poudre River - Agricultural)



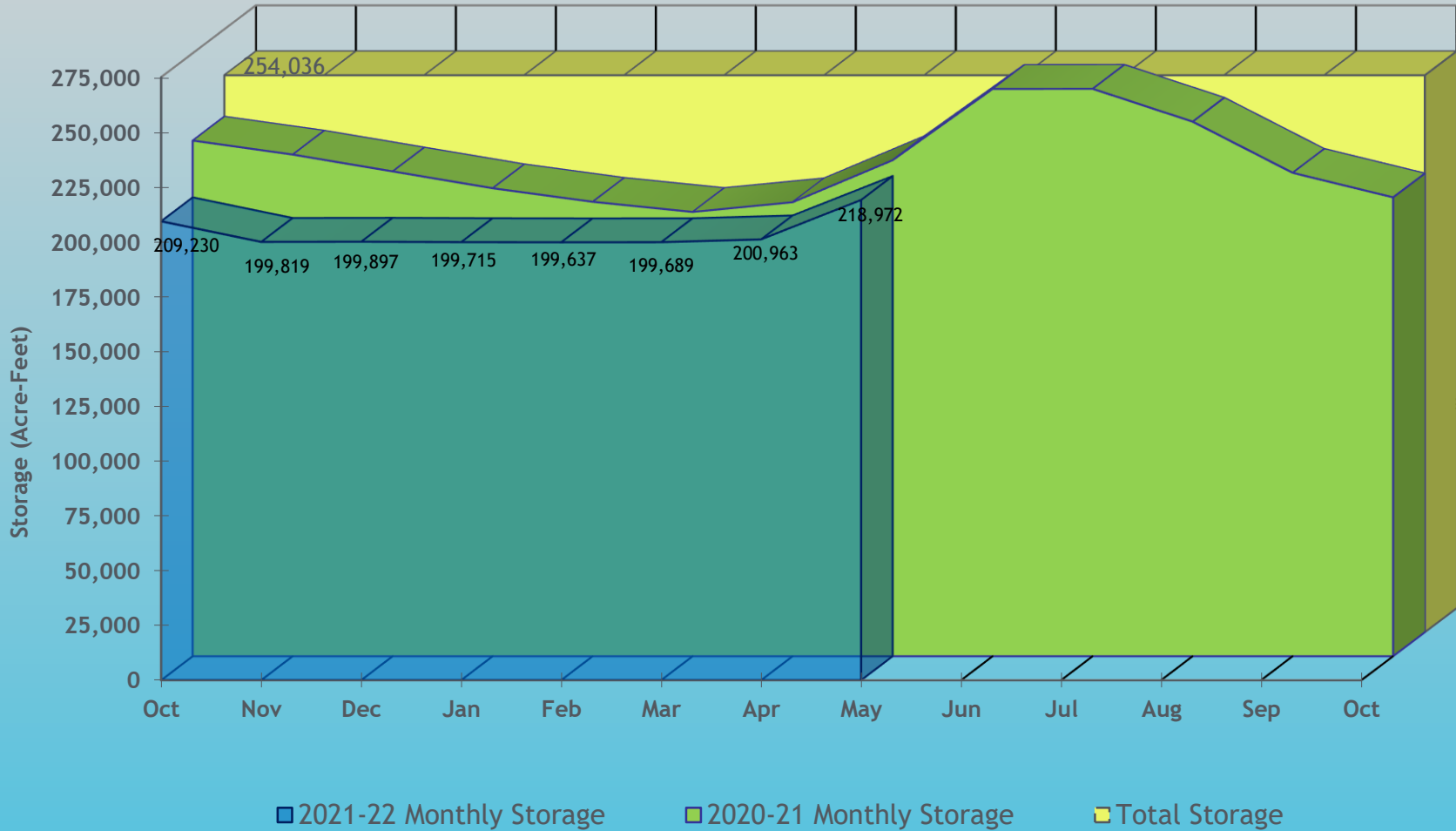
Prospect Reservoir (District 1 - Agricultural)



Horse Creek Reservoir (District 1 - Agricultural)



Dillon Reservoir (District 1 - Municipal)

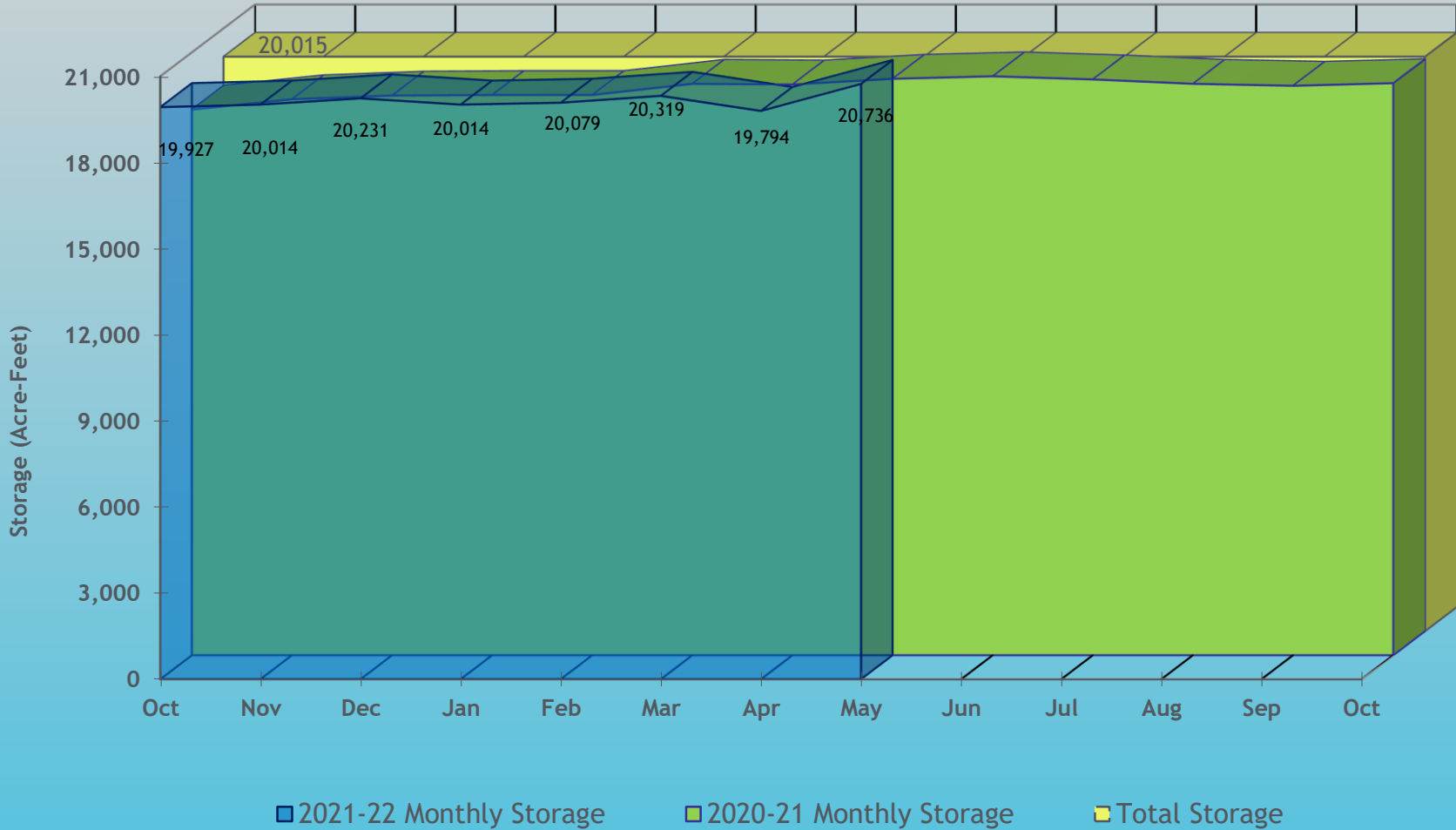


2021-22 Monthly Storage

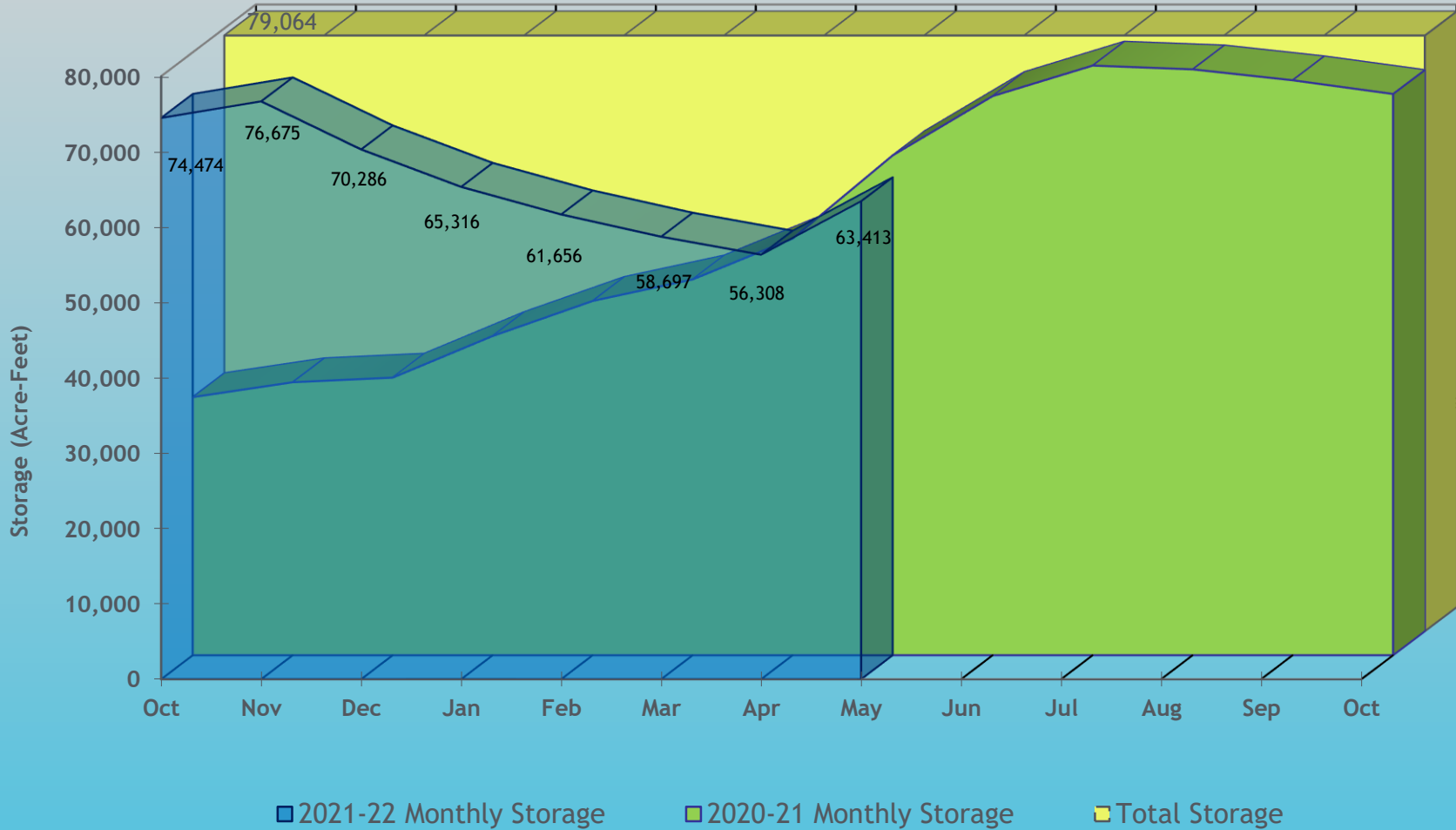
2020-21 Monthly Storage

Total Storage

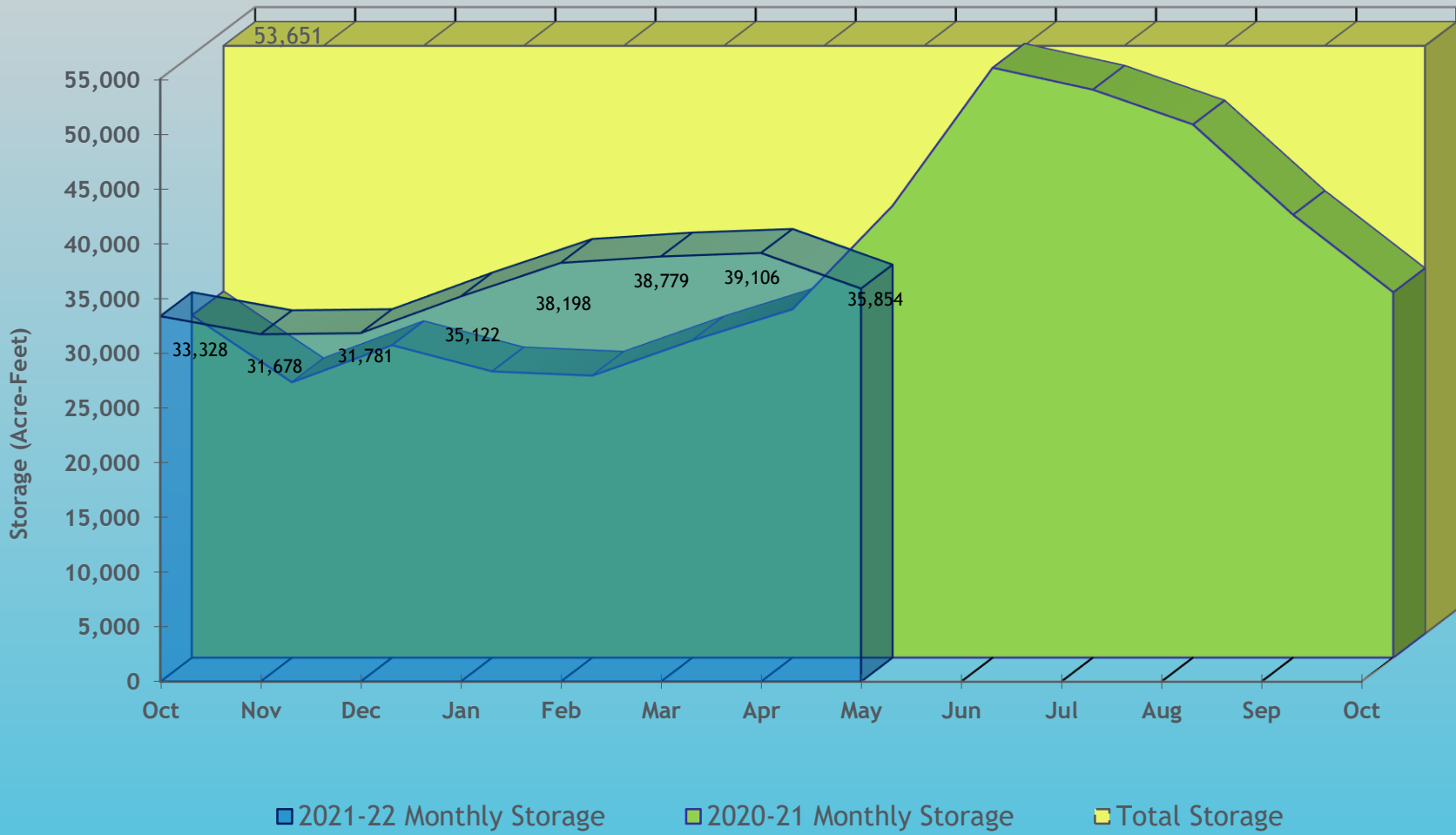
Antero Reservoir (District 23 - Municipal)



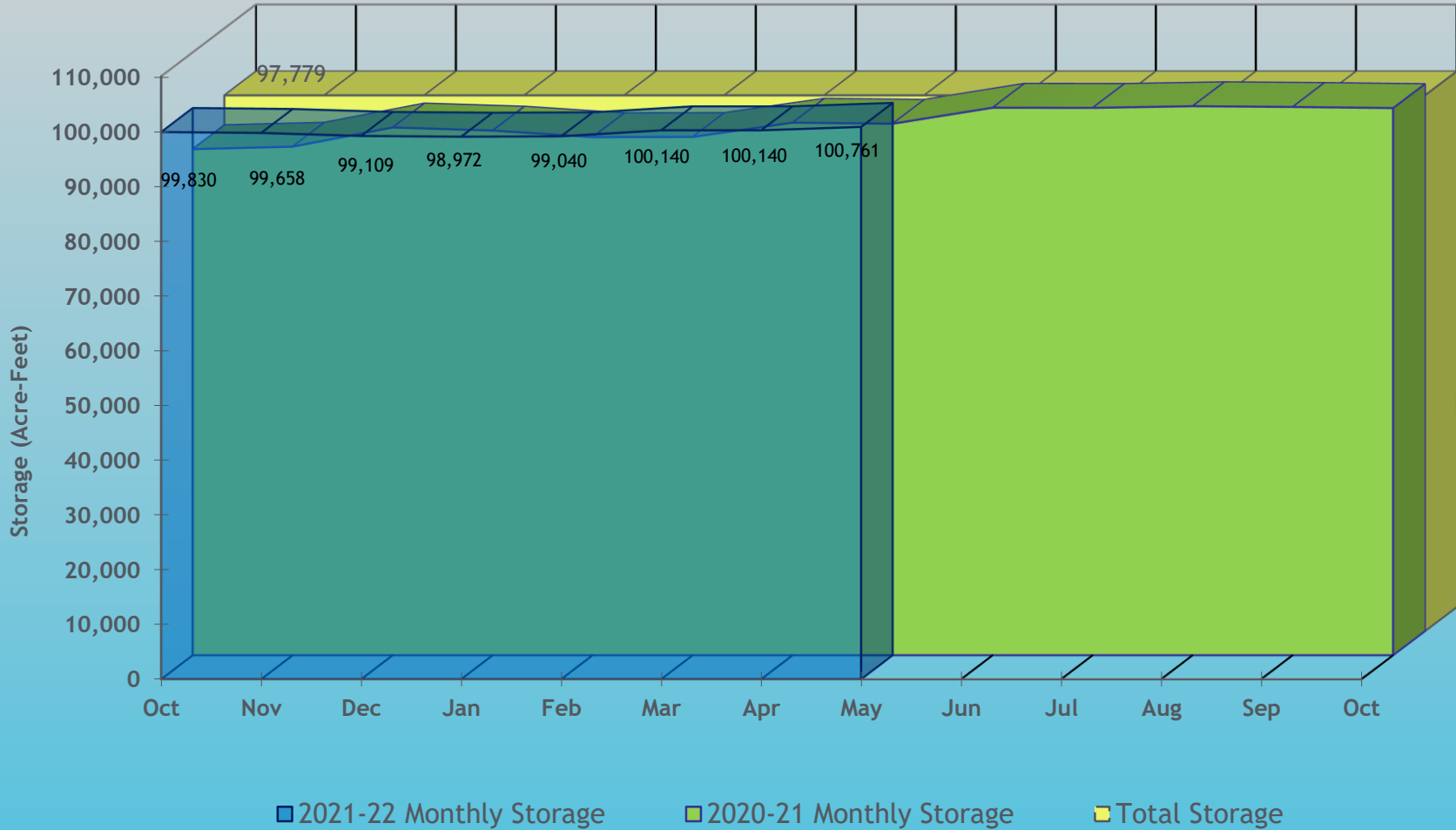
Cheesman Reservoir (District 80 - Municipal)



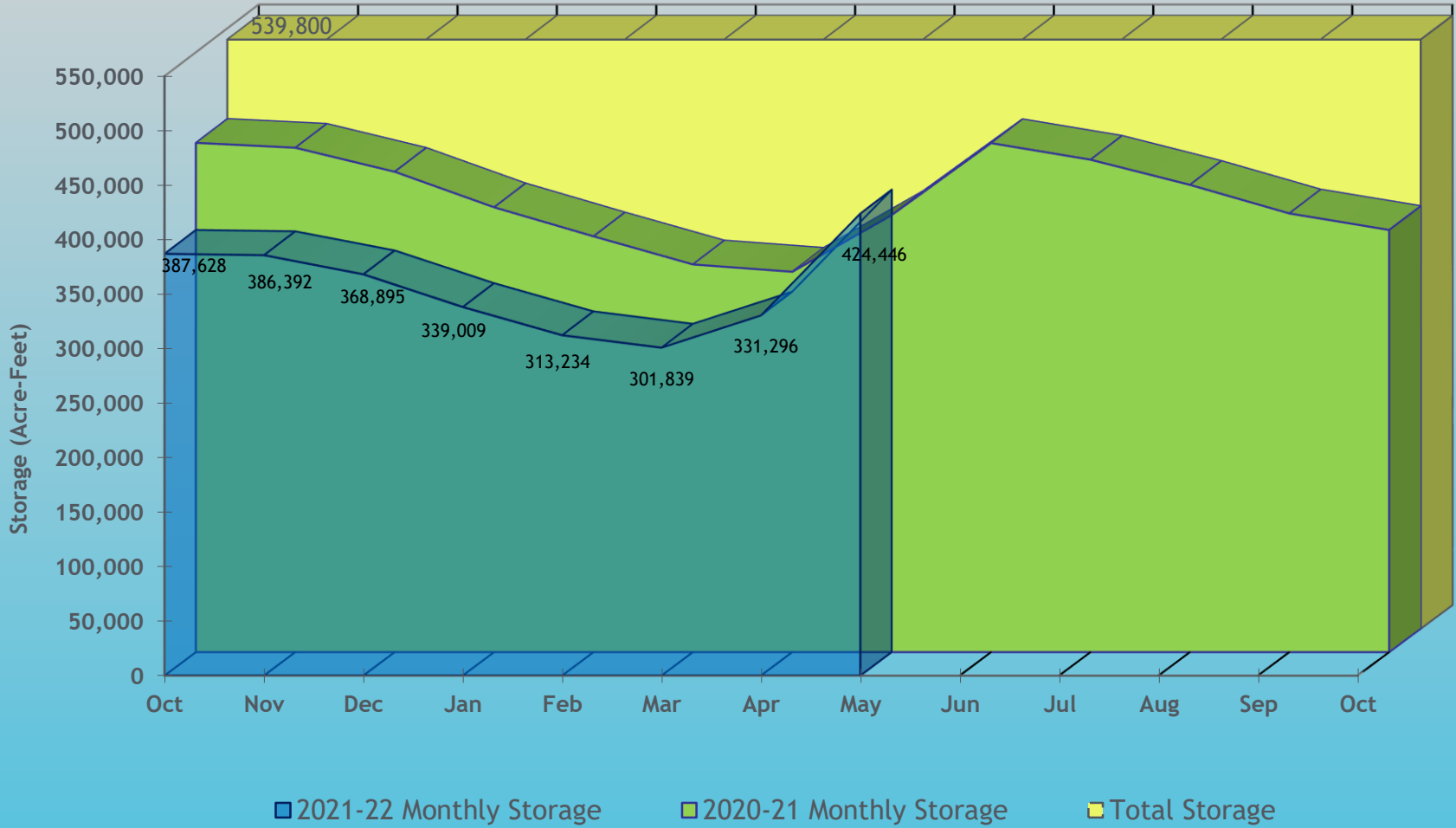
Spinney Mountain Reservoir (District 23 - Municipal)



Eleven Mile Reservoir (District 23 - Municipal)



Lake Granby





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



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