



COLORADO
Division of Water Resources
Department of Natural Resources

South Platte Summary December 2020

Compiled by Lee Cunning, P.E.

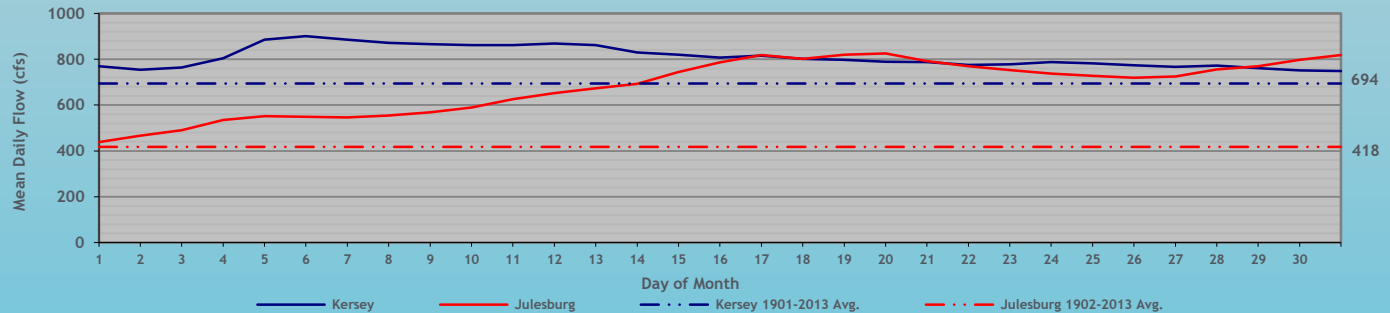
COLORADO DIVISION OF WATER RESOURCES, DIVISION 1

MONTH OF December 2020

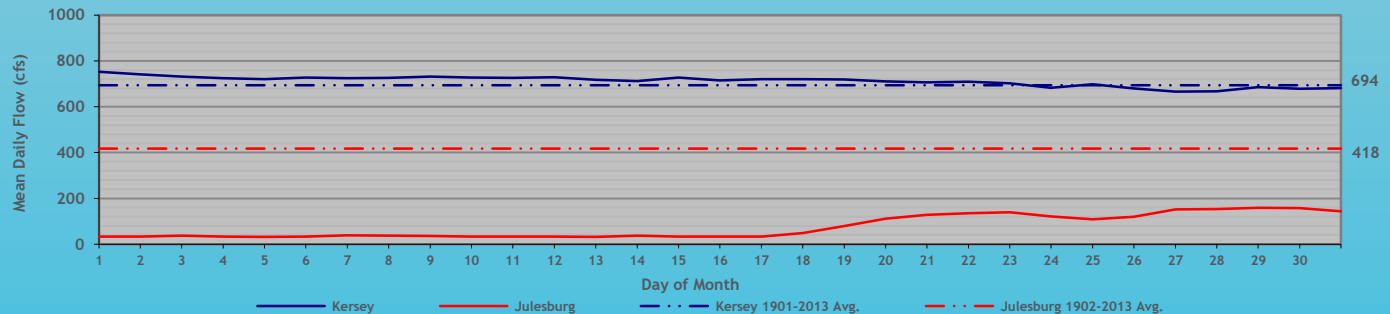
RESERVOIR	FULL ALLOWABLE CAPACITY (ACRE FEET)	FIRST OF MONTH (ACRE FEET)	END OF MONTH (ACRE FEET)	DISTRICT	CHANGE IN STORAGE (ACRE FEET)	% CHANGE IN STORAGE BASED ON FIRST OF MONTH STORAGE	% OF CURRENT FULL ALLOWABLE CAPACITY	% OF CURRENT FULL ALLOWABLE CAPACITY THIS MONTH LAST YEAR	SURCHARGE (ACRE FEET)
JULESBURG	22,666	11,812	14,758	64	2,946	25%	65%	85%	0
N STERLING	73,730	19,453	31,834	64	12,381	64%	43%	89%	0
PREWITT	28,500	10,598	11,368	64	770	7%	40%	79%	0
JACKSON	27,257	18,618	24,013	1	5,395	29%	88%	89%	0
EMPIRE	37,700	5,831	22,712	1	16,881	290%	60%	52%	0
RIVERSIDE	63,113	24,390	31,886	1	7,496	31%	51%	82%	0
BARR LAKE	32,152	6,345	9,693	2	3,348	53%	30%	66%	0
CHEESMAN	79,064	36,190	36,801	80	611	2%	47%	77%	0
ELEVEN MILE	97,779	92,784	96,293	23	3,509	4%	98%	100%	0
SPINNEY	53,651	25,100	28,498	23	3,398	14%	53%	81%	0
ANTERO	20,015	19,366	19,494	23	128	1%	97%	100%	0

RIVER GAGES	MEAN DAILY FLOW (CFS)
KERSEY	712
JULESBURG	76
THIS MONTH LAST YEAR	
KERSEY	810
JULESBURG	680
MEAN FOR PERIOD OF RECORD*	
KERSEY	694
JULESBURG	418
*Kersey 1901 - 2016	
*Julesburg 1902 - 2016	

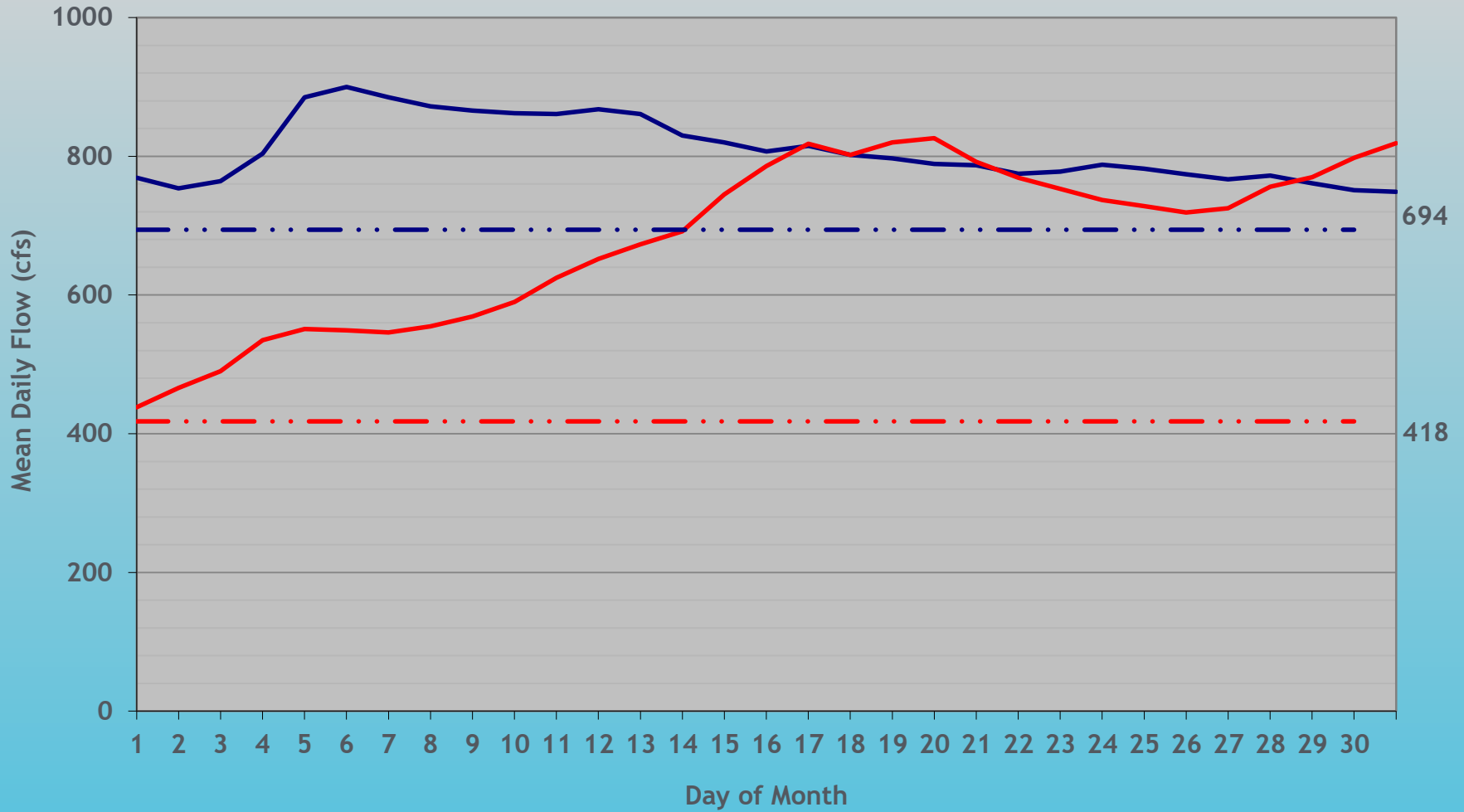
KERSEY and JULESBURG
December 2019



KERSEY and JULESBURG
December 2020

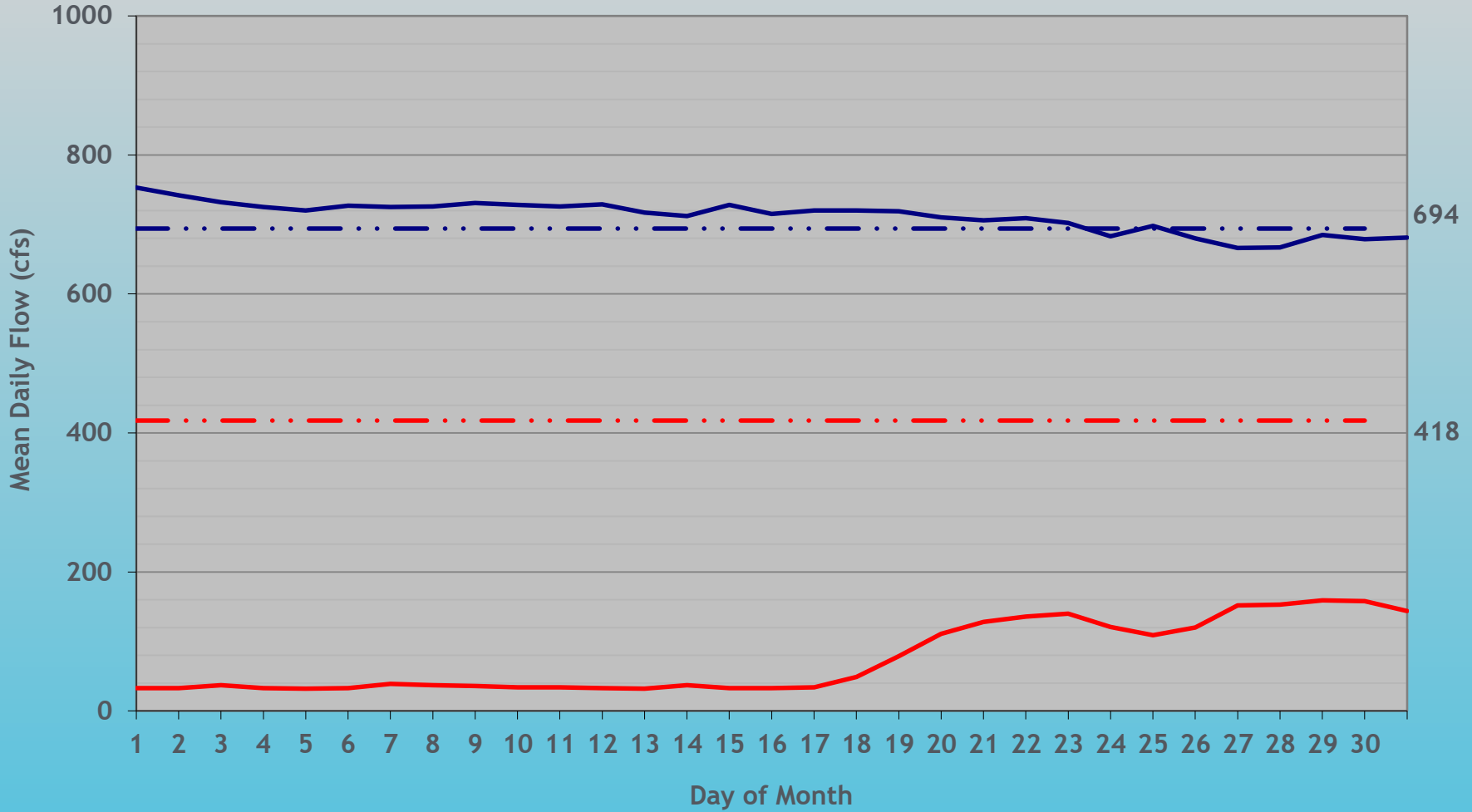


KERSEY and JULESBURG December 2019



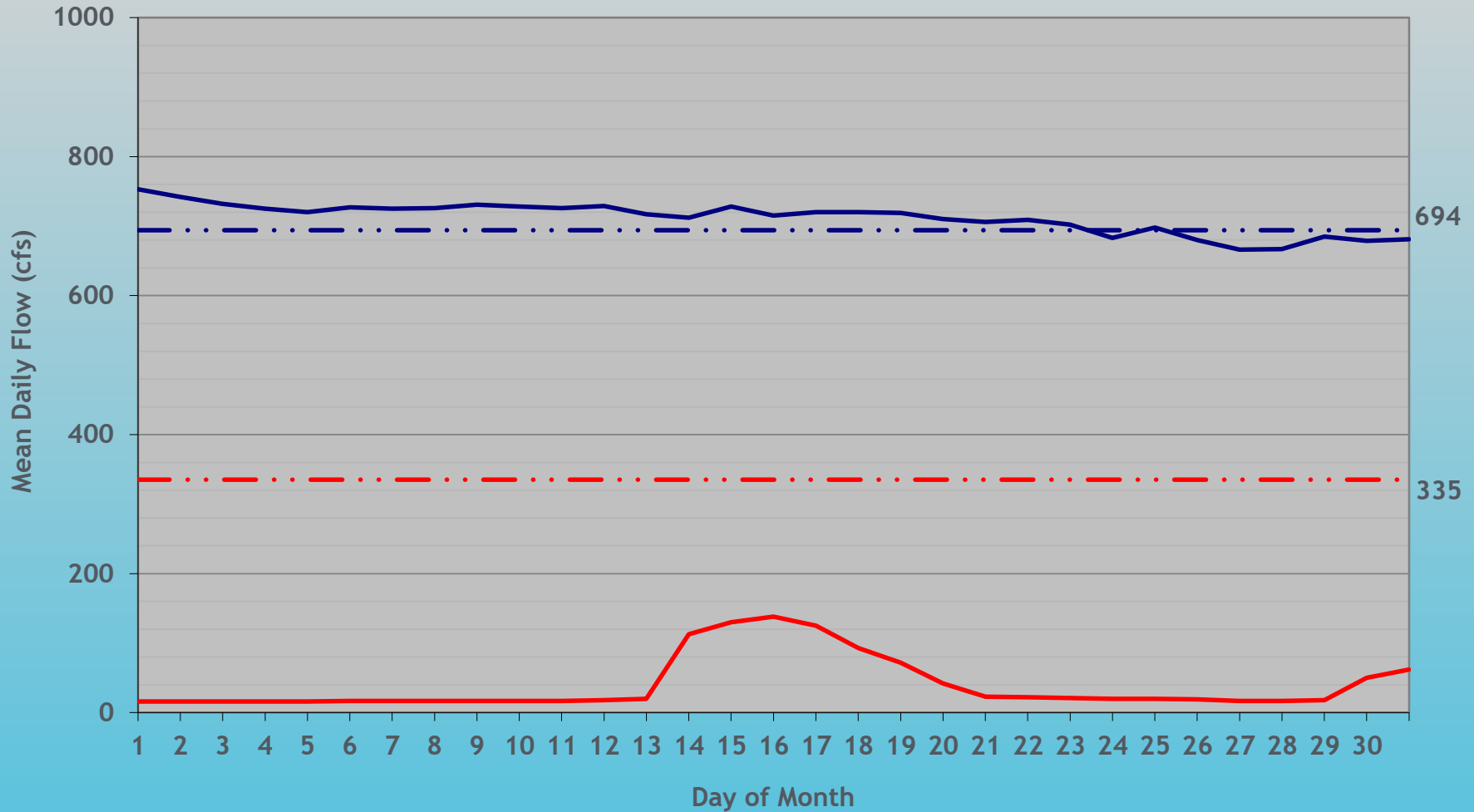
— Kersey
 — Julesburg
 · · Kersey 1901-2013 Avg.
 · · Julesburg 1902-2013 Avg.

KERSEY and JULESBURG December 2020



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

KERSEY and BALZAC December 2020



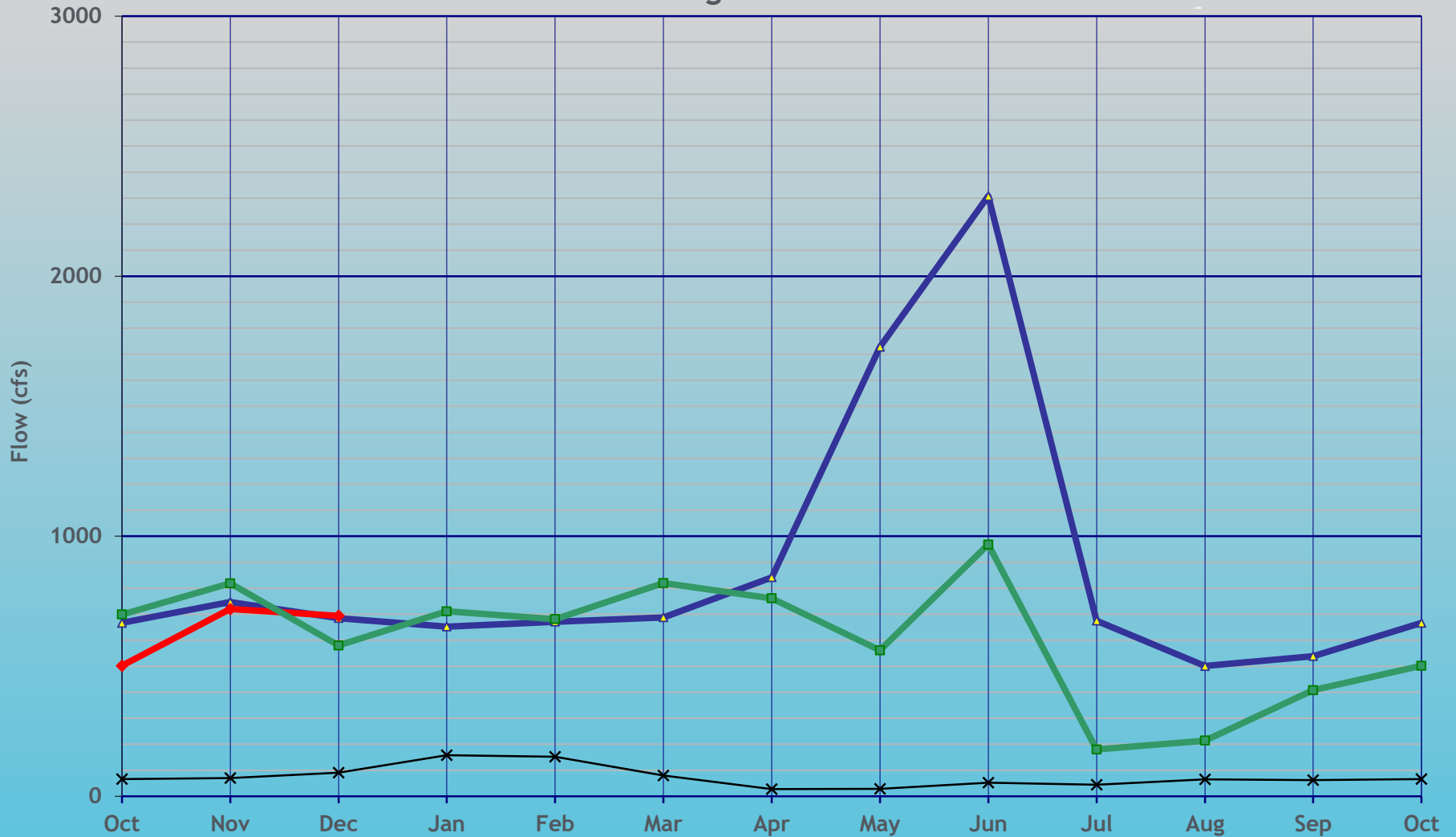
— Kersey — Balzac - · - Kersey 1901-2013 Avg. - · - Balzac 1917-2013 Avg.

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 2021 Mean Monthly Flow	Month	Historic* Mean Flow	Historic* Max Flow	Year	Historic* Min Flow	Year	IY 2021 Mean Monthly Flow
Oct	667	6180	1984	66	1954	502	Oct	299	3130	1984	4.2	1903	104
Nov	747	3650	1984	70	1934	720	Nov	335	2900	1984	4.2	1903	54
Dec	685	1890	1961	91	1934	694	Dec	401	1820	1984	13	2002	418
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 1902-2020							*Period of record 1902-2020						

South Platte River at Kersey

Irrigation Year



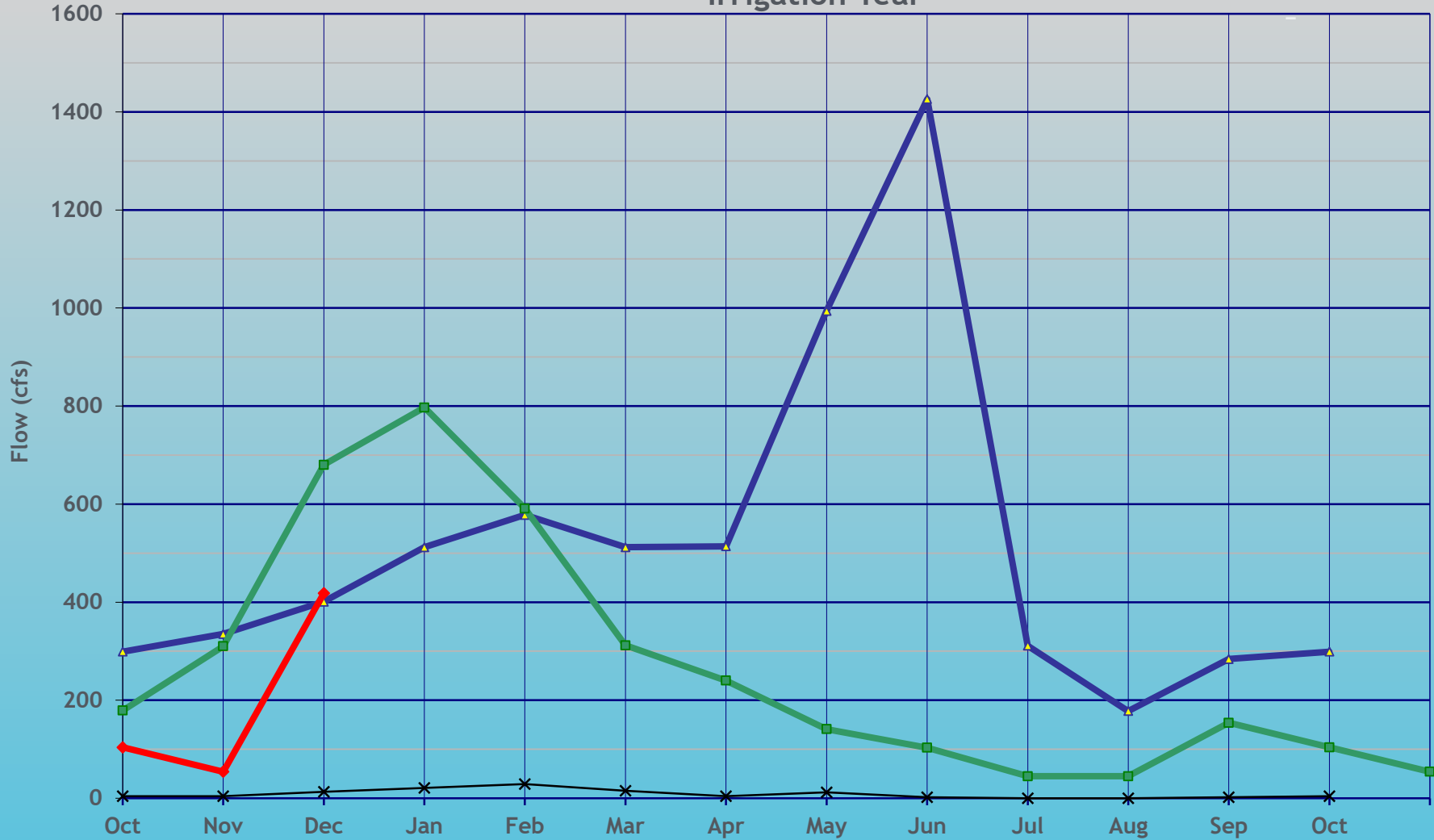
▲ Historic* Mean Flow × Historic* Min Flow ◆ 2020-2021 Mean Flow ■ 2019-2020 Mean Flow

*1901-2016



South Platte River at Julesburg

Irrigation Year



Historic* Mean Flow Historic* Min Flow 2020-2021 Mean Flow 2019-2020 Mean Flow

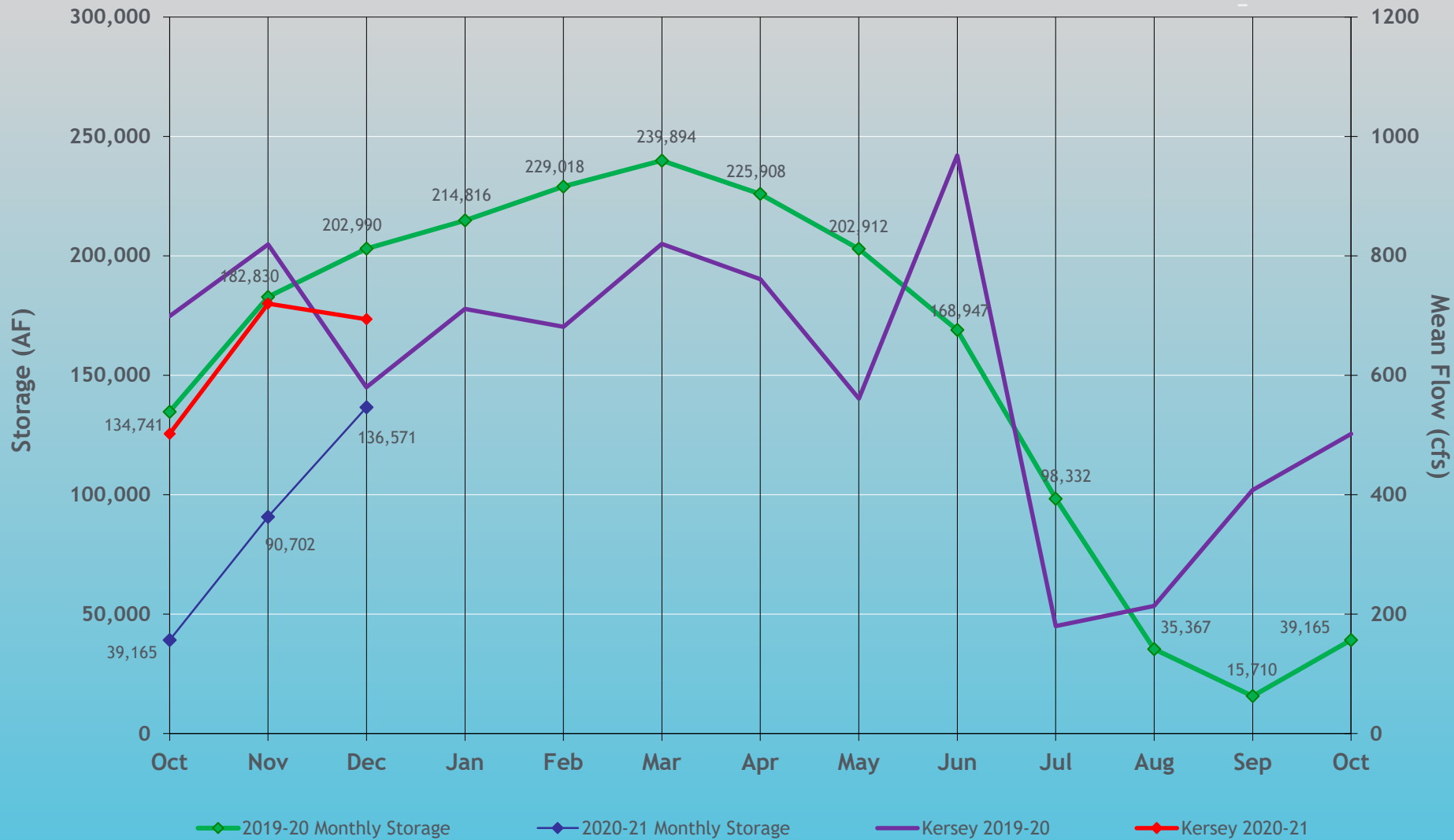
*1901-2016





Reservoir Storage below Kersey

Selected Reservoirs*

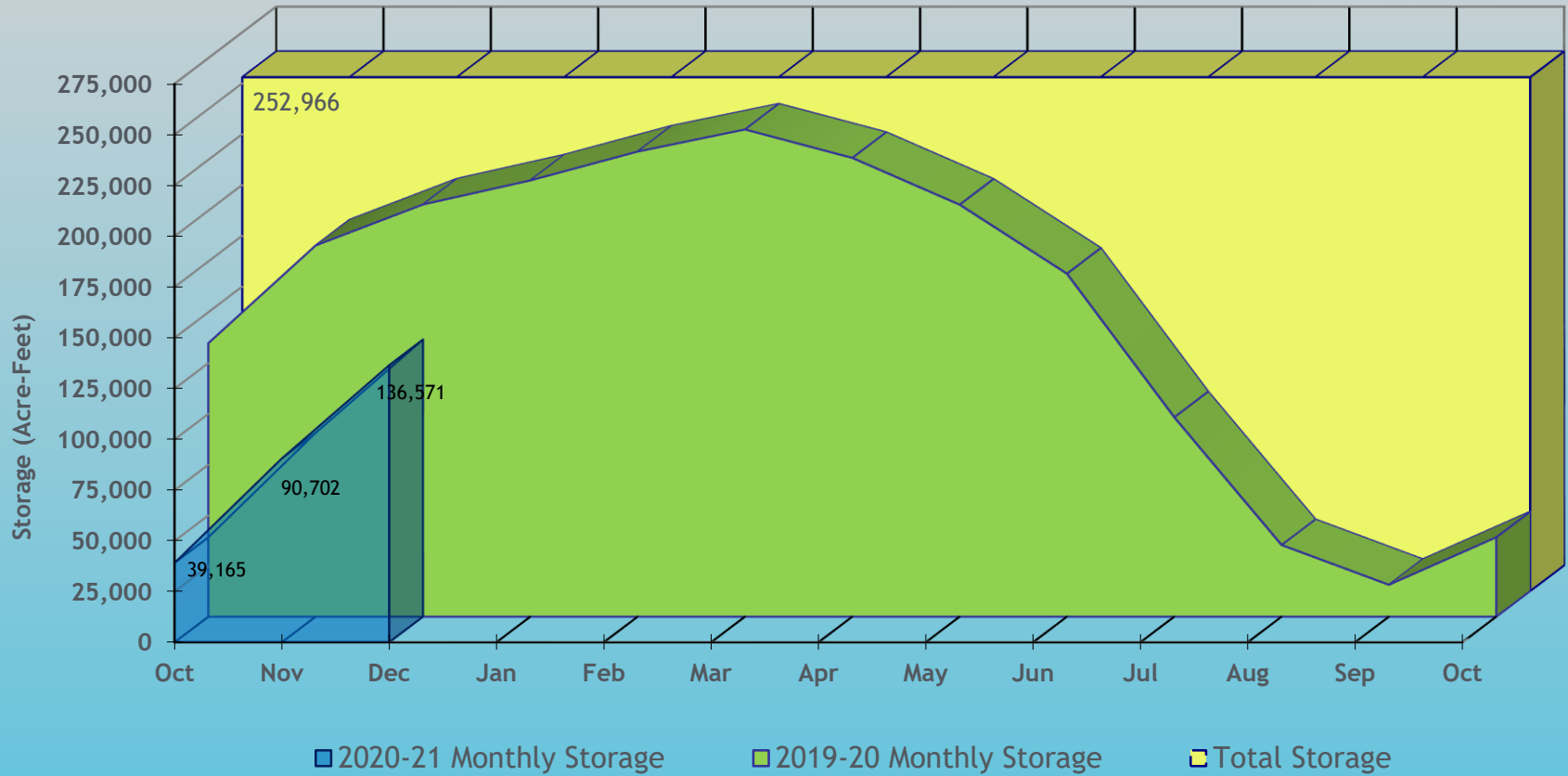


*Empire, Riverside, Jackson, Prewitt, North Sterling, & Julesburg



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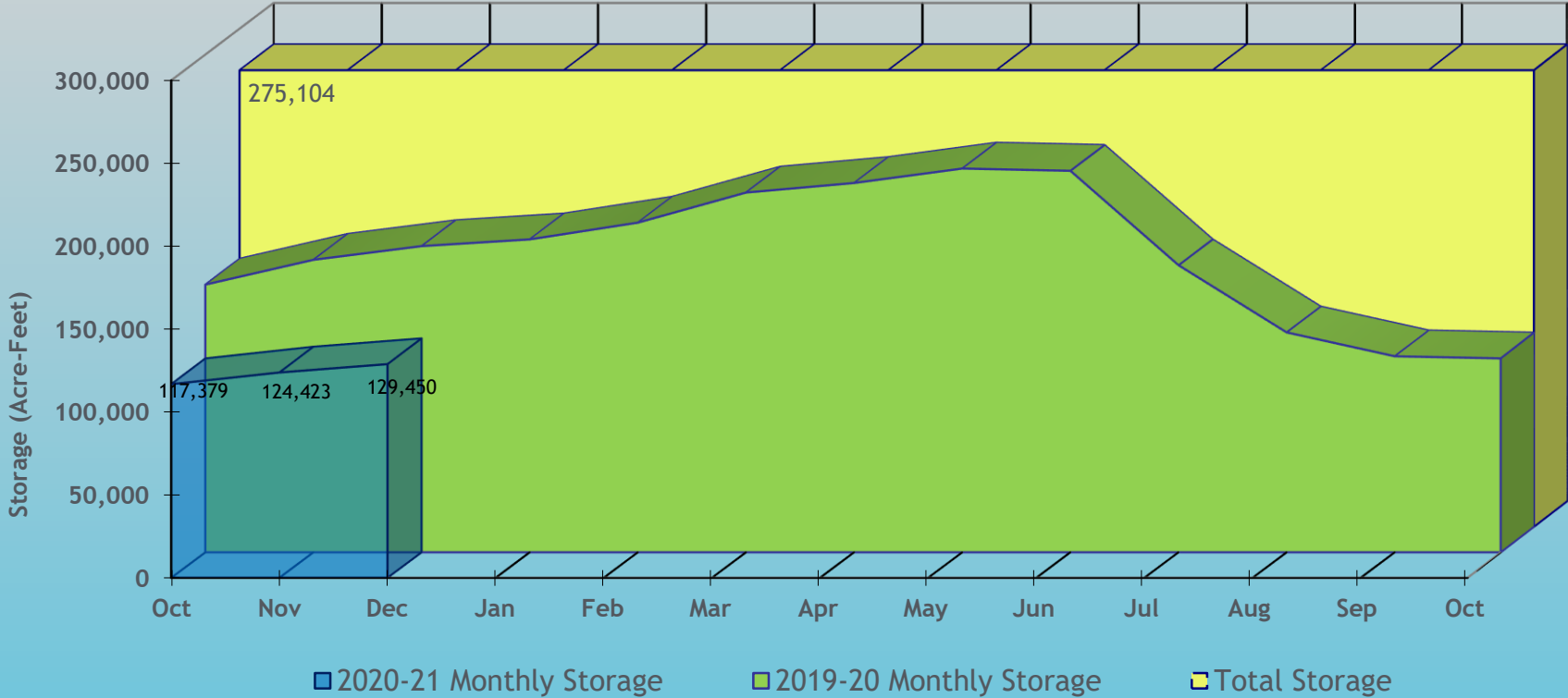
South Platte Reservoir Storage below Kersey*



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



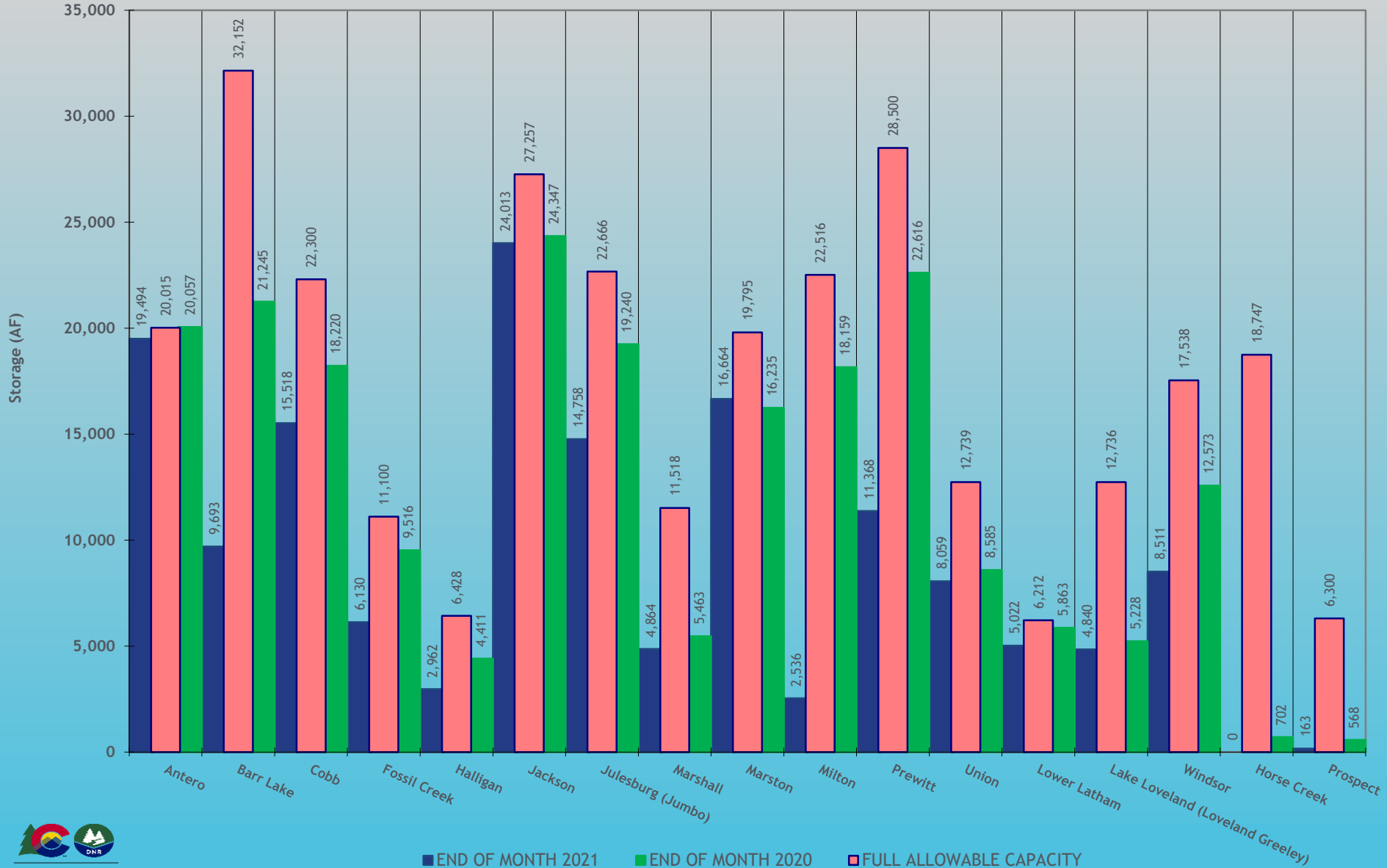
South Platte Reservoir Storage above Kersey*



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

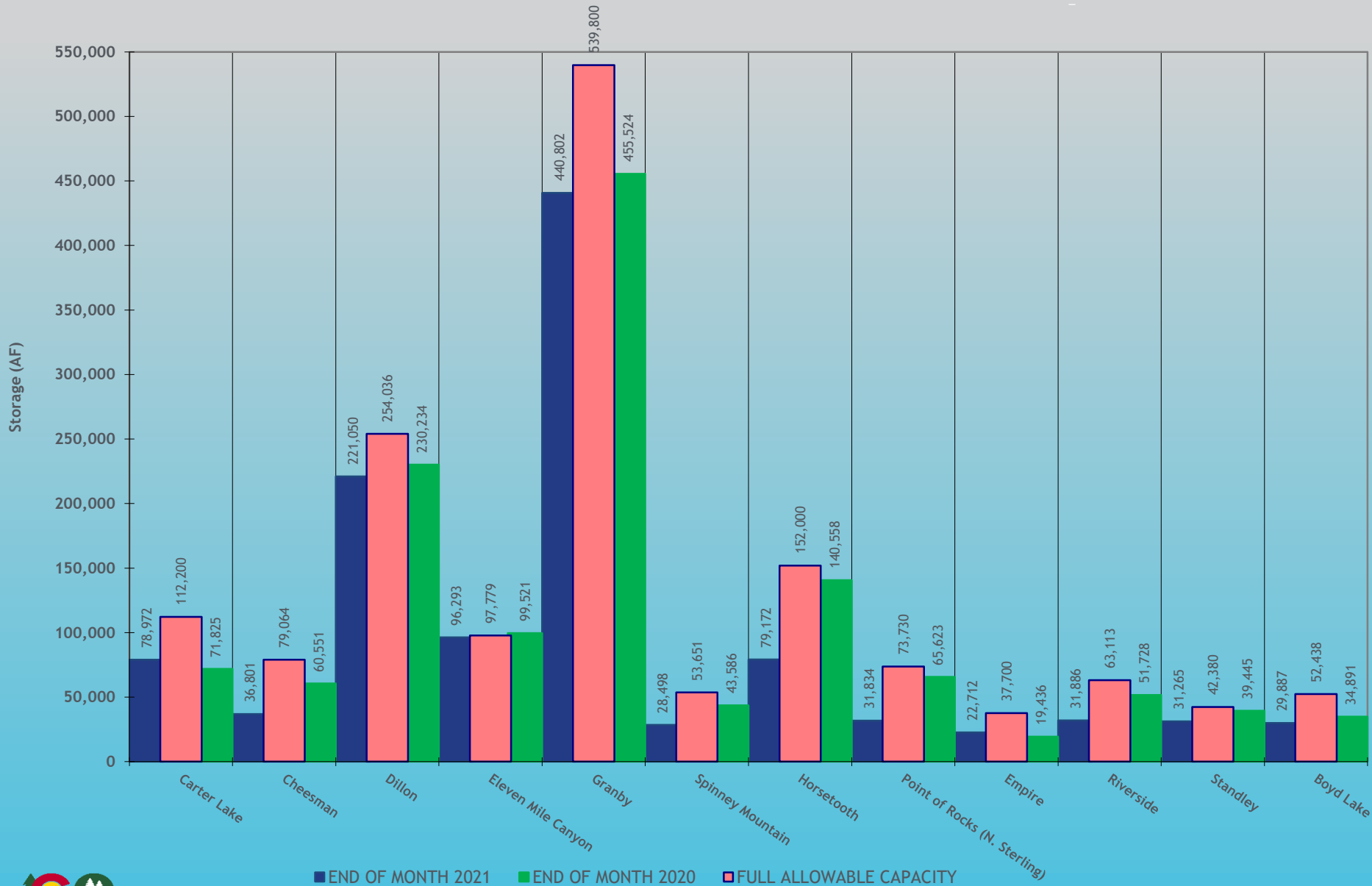


December Reservoir Change in Storage IY2020 versus IY2021



■ END OF MONTH 2021
 ■ END OF MONTH 2020
 ■ FULL ALLOWABLE CAPACITY

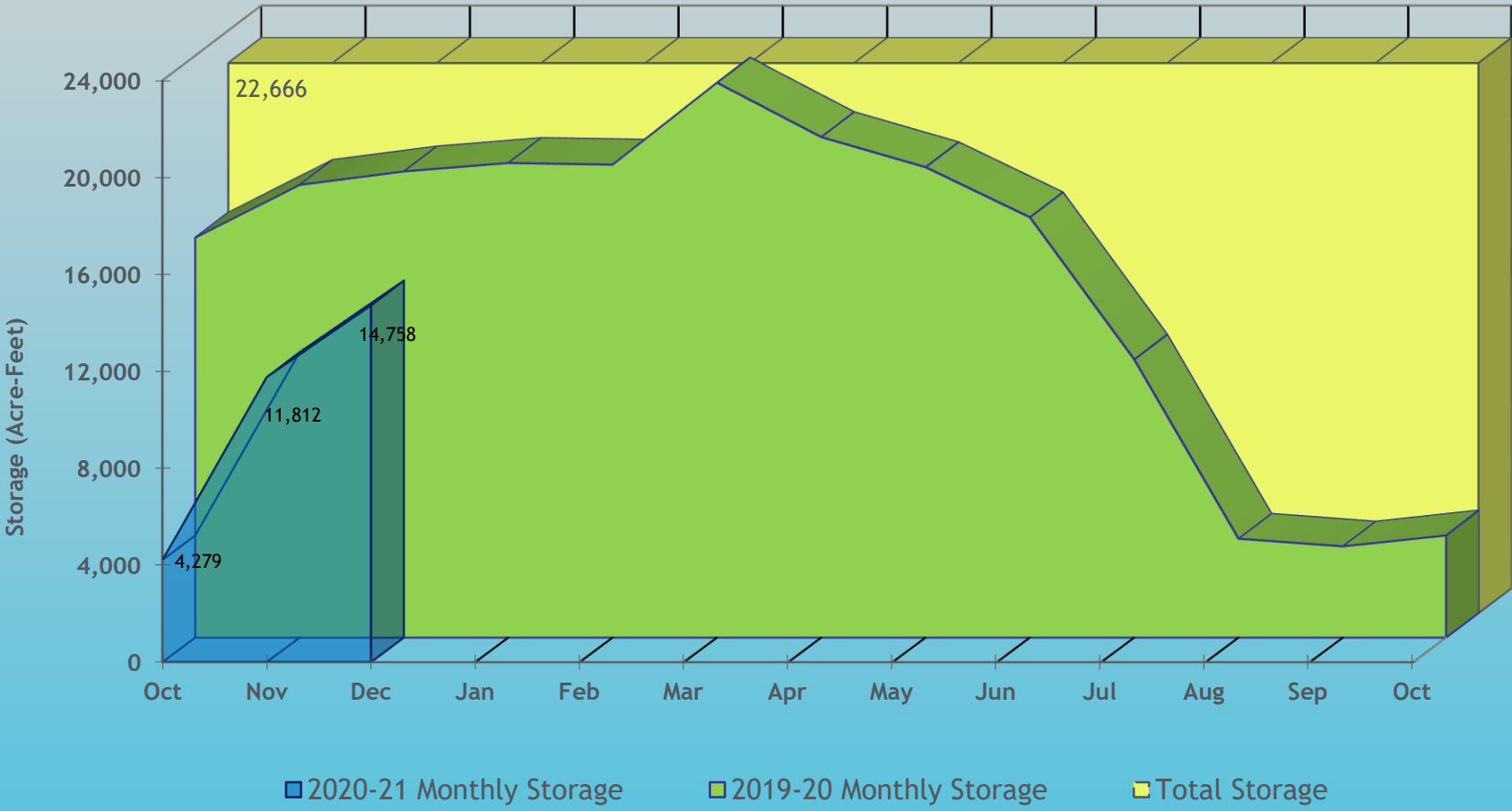
December Reservoir Change in Storage IY2020 versus IY2021



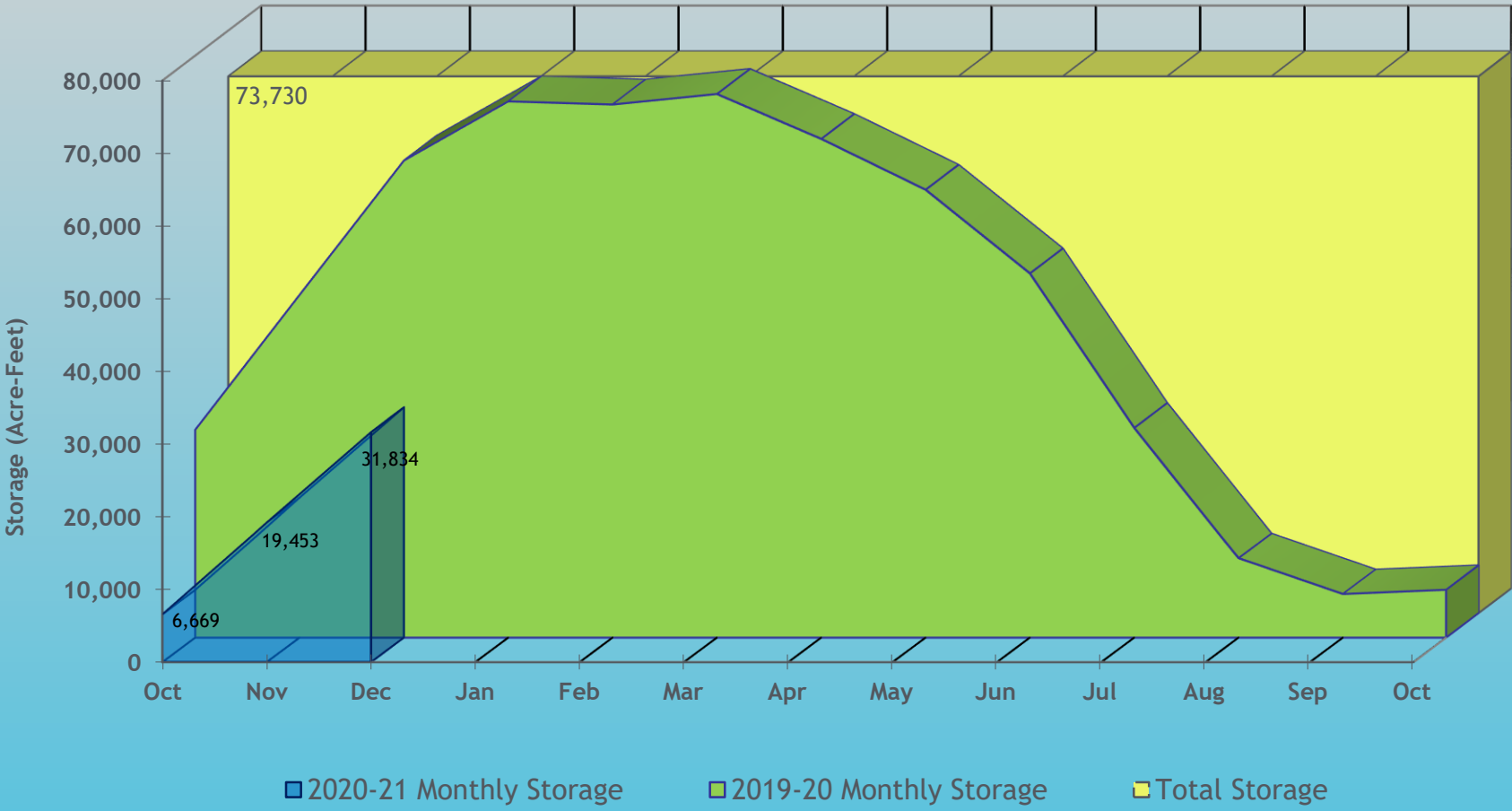
■ END OF MONTH 2021
 ■ END OF MONTH 2020
 ■ FULL ALLOWABLE CAPACITY



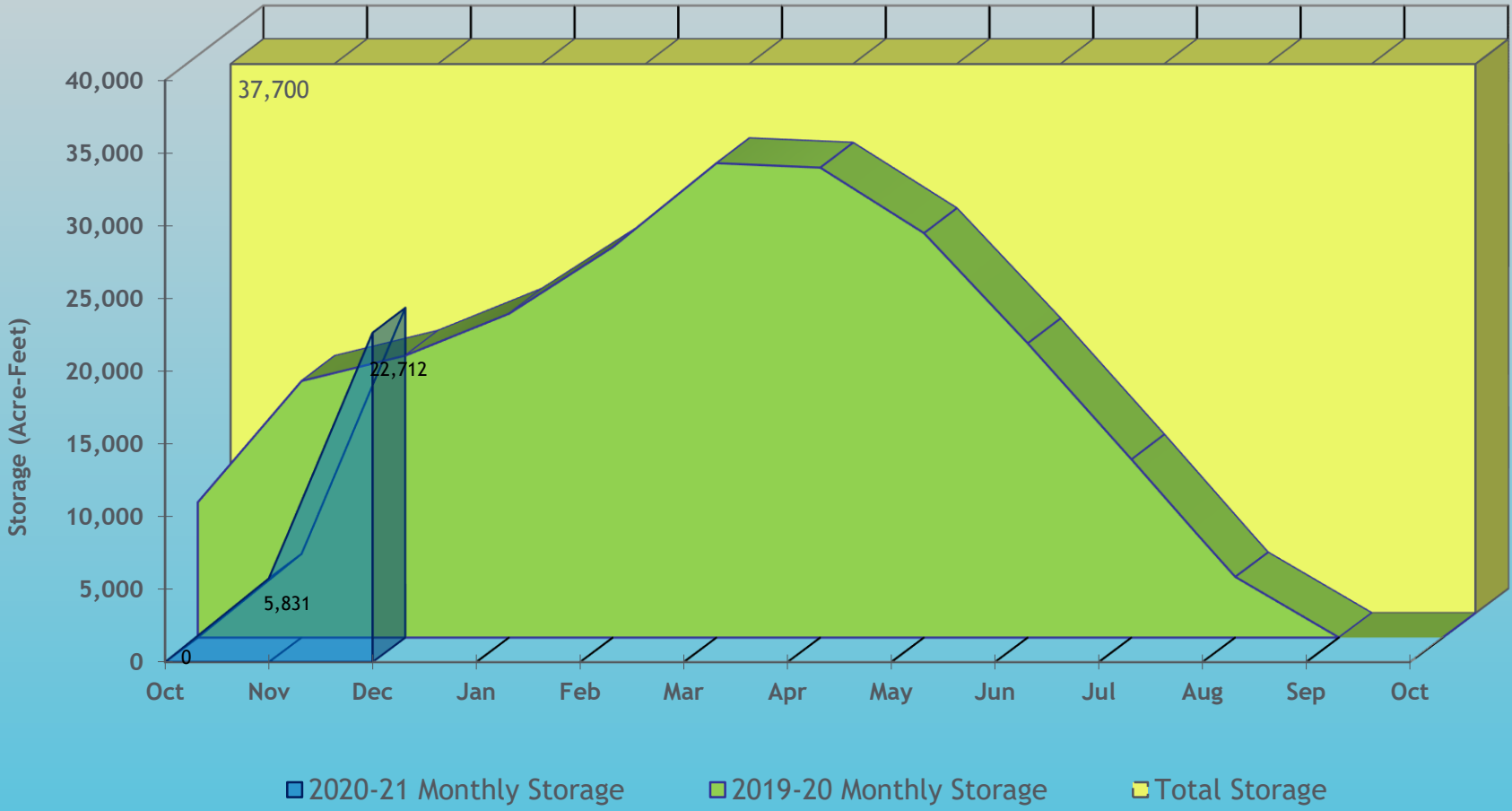
Julesburg Reservoir (District 64 - Agricultural)



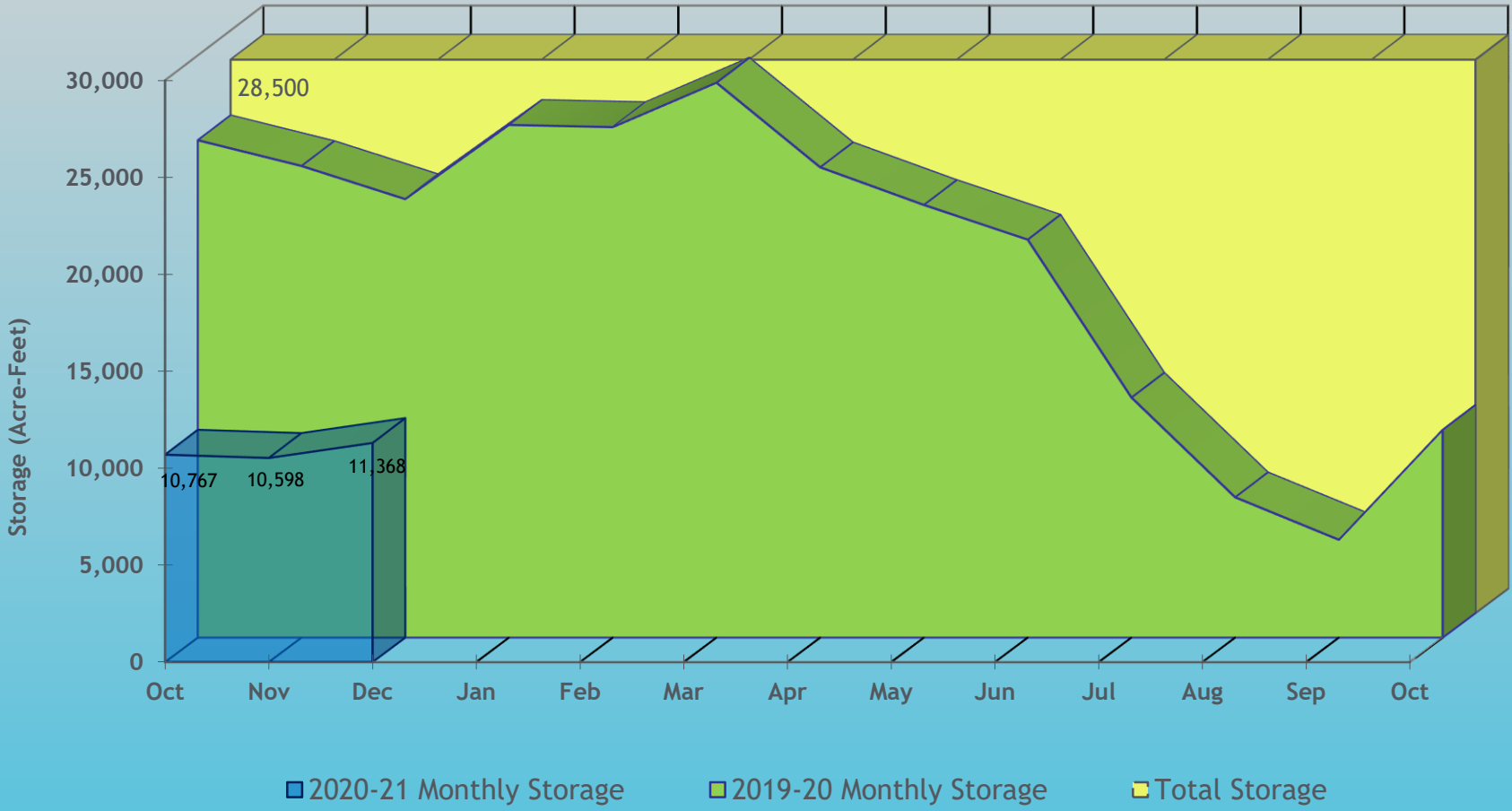
North Sterling Reservoir (District 64 - Agricultural)



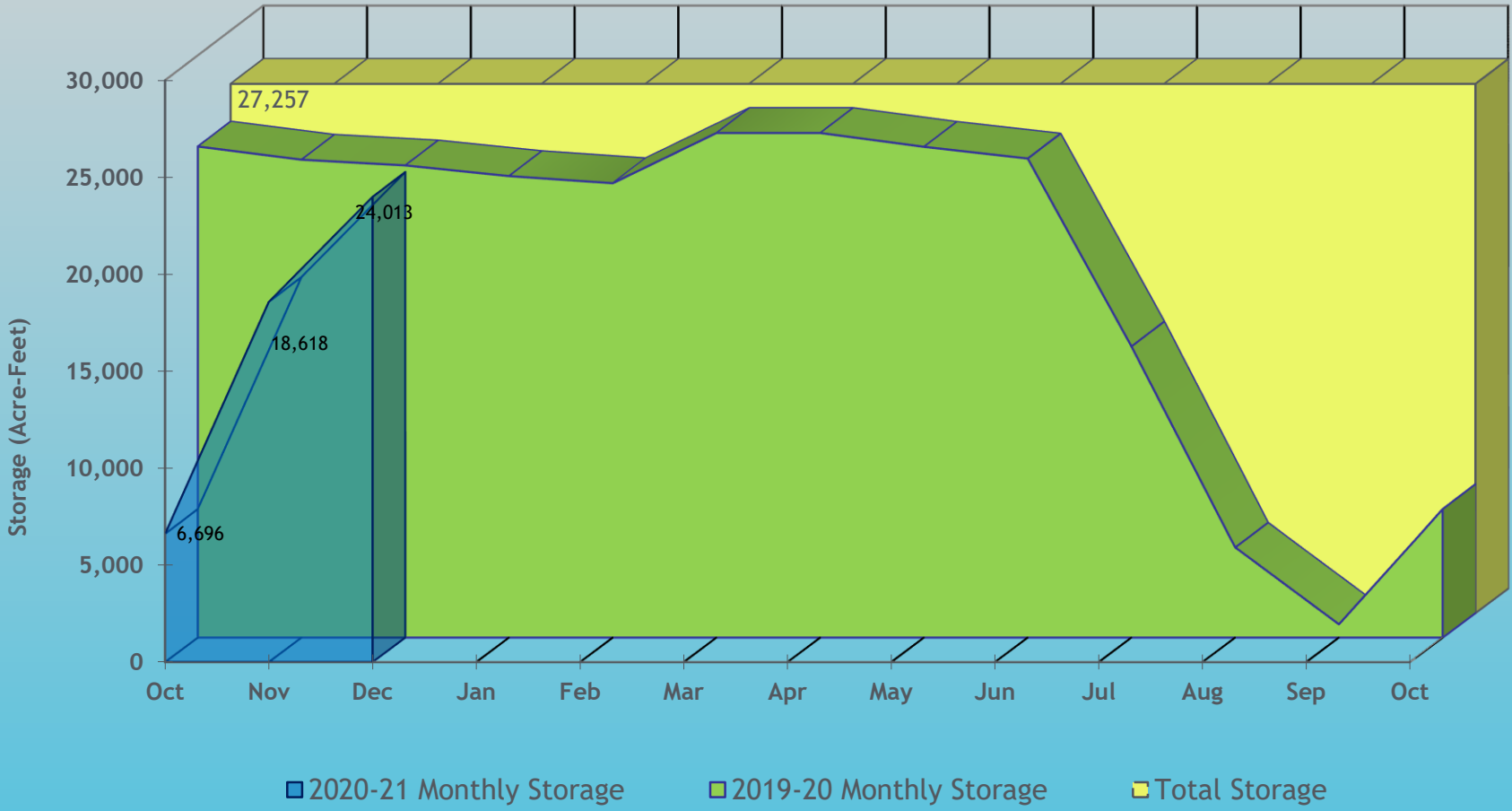
Empire Reservoir (District 1 - Agricultural)



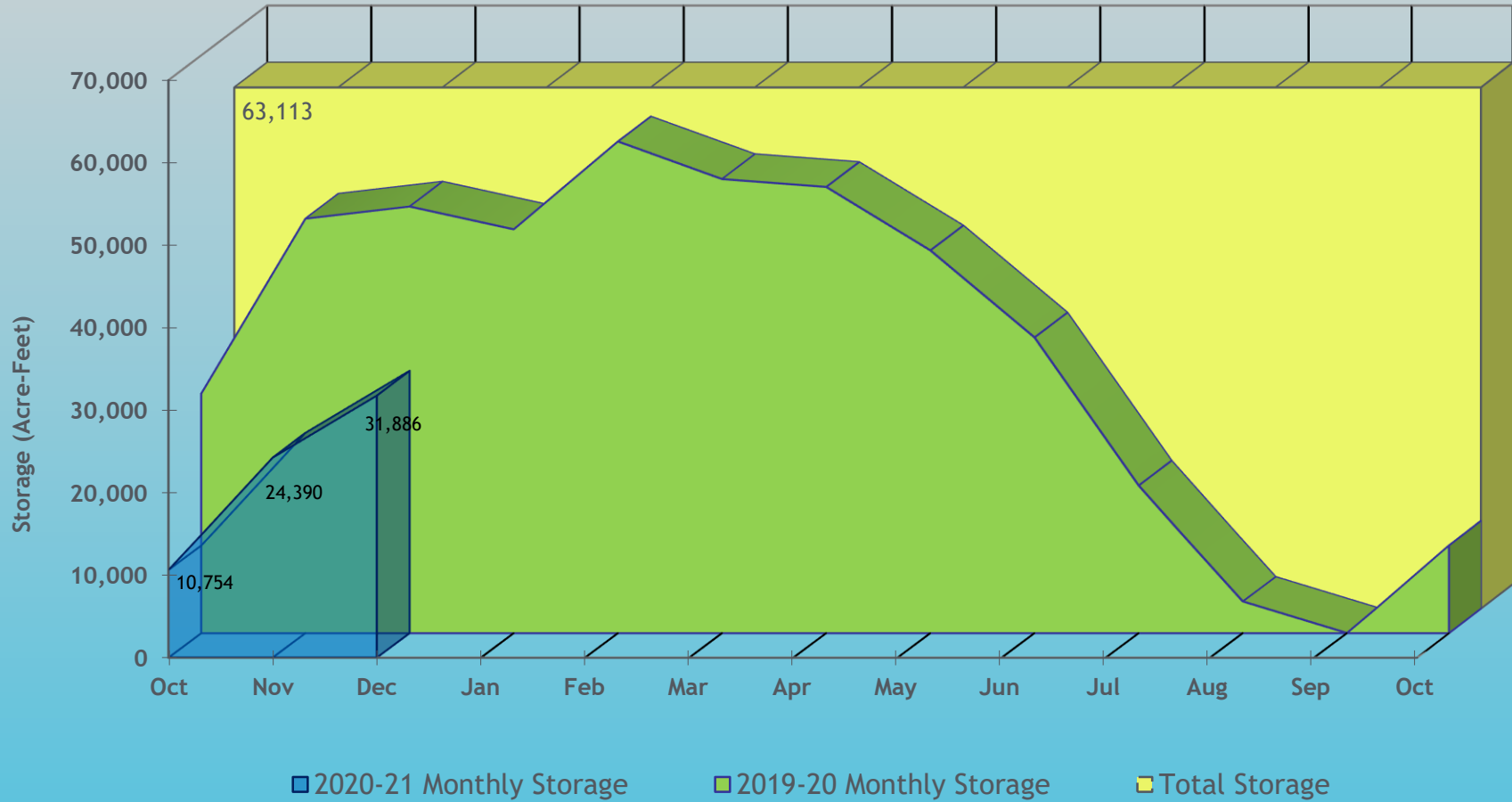
Prewitt Reservoir (District 64 - Agricultural)



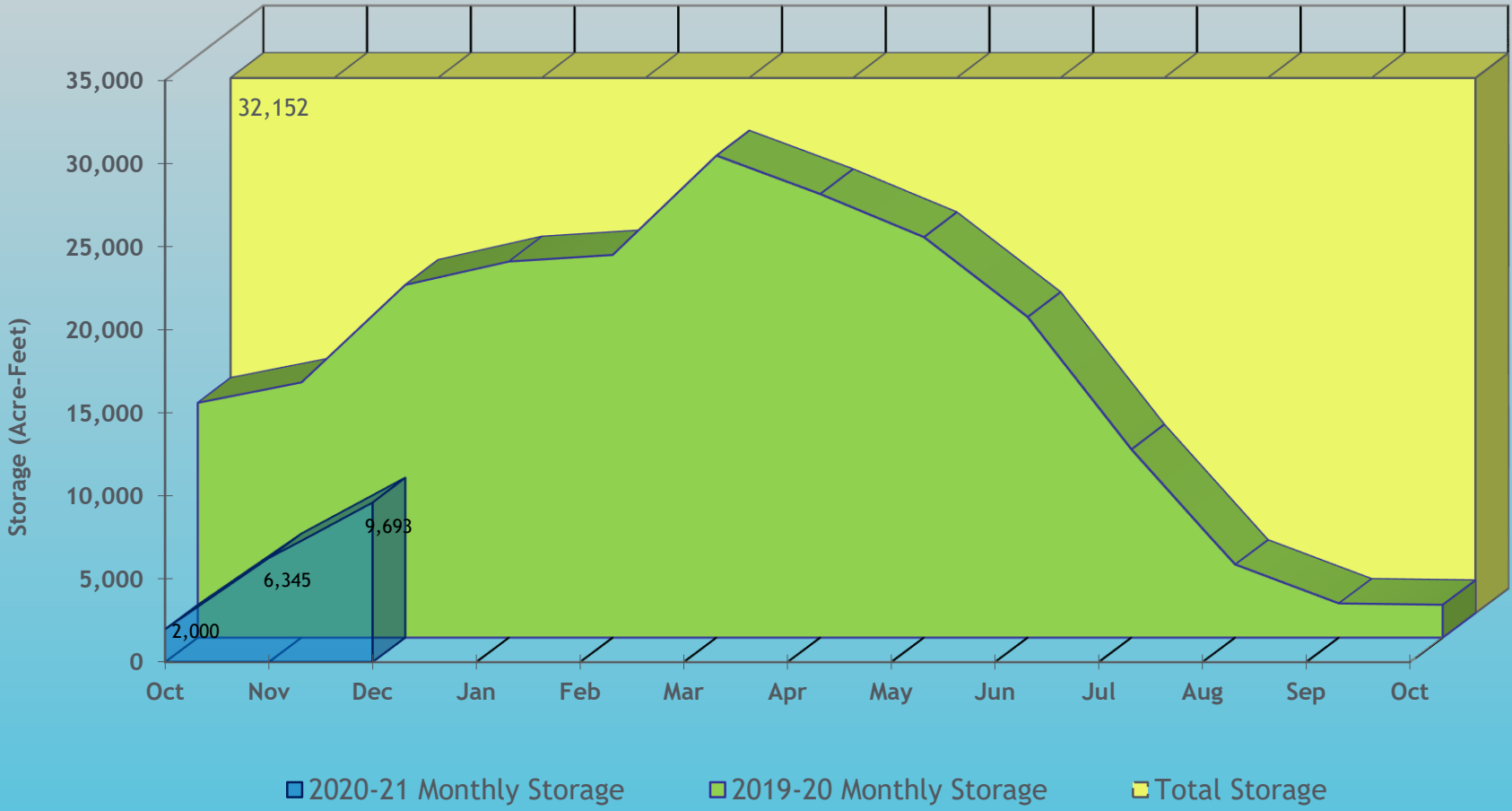
Jackson Reservoir (District 1 - Agricultural)



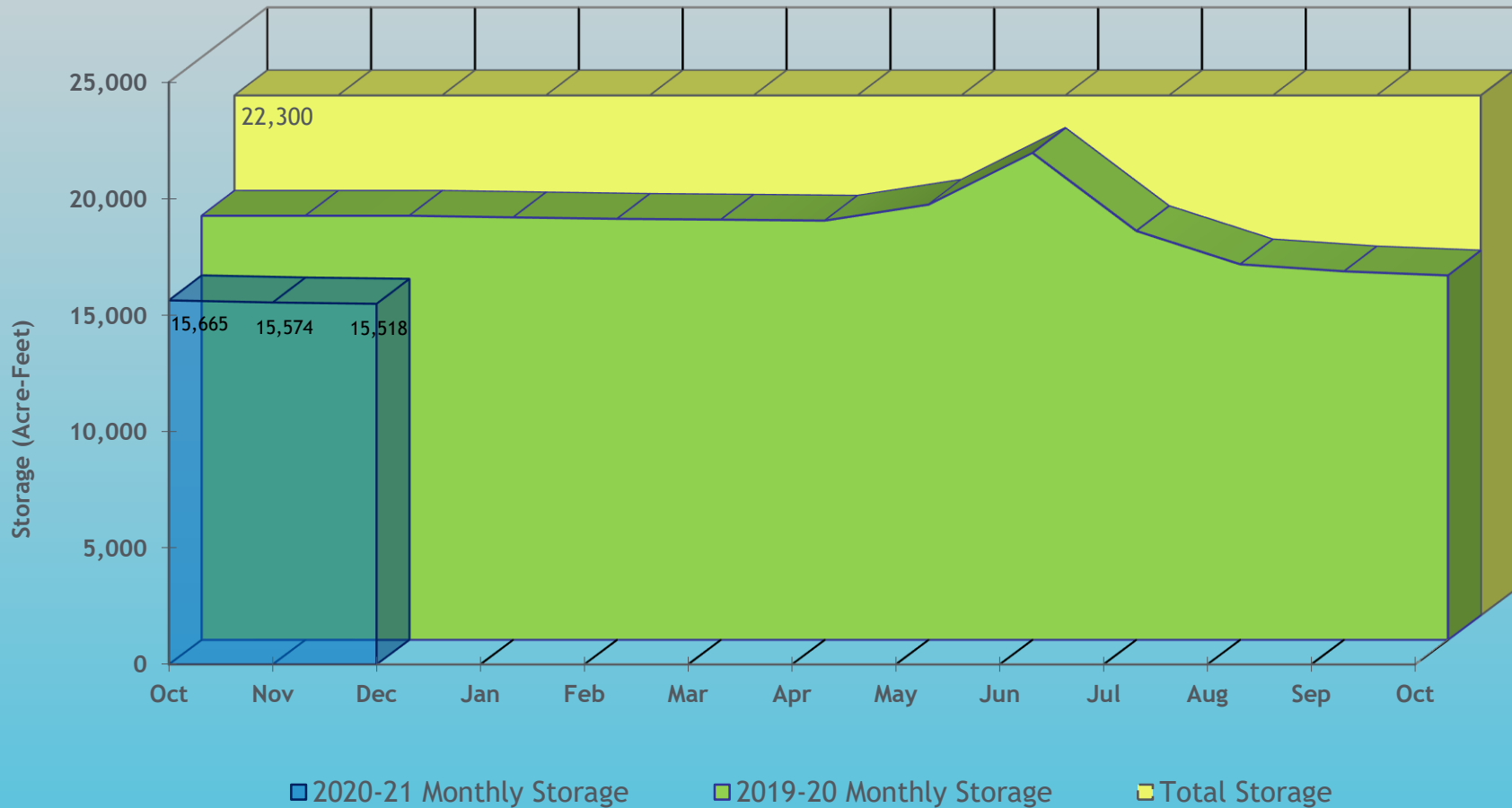
Riverside Reservoir (District 1 - Agricultural)



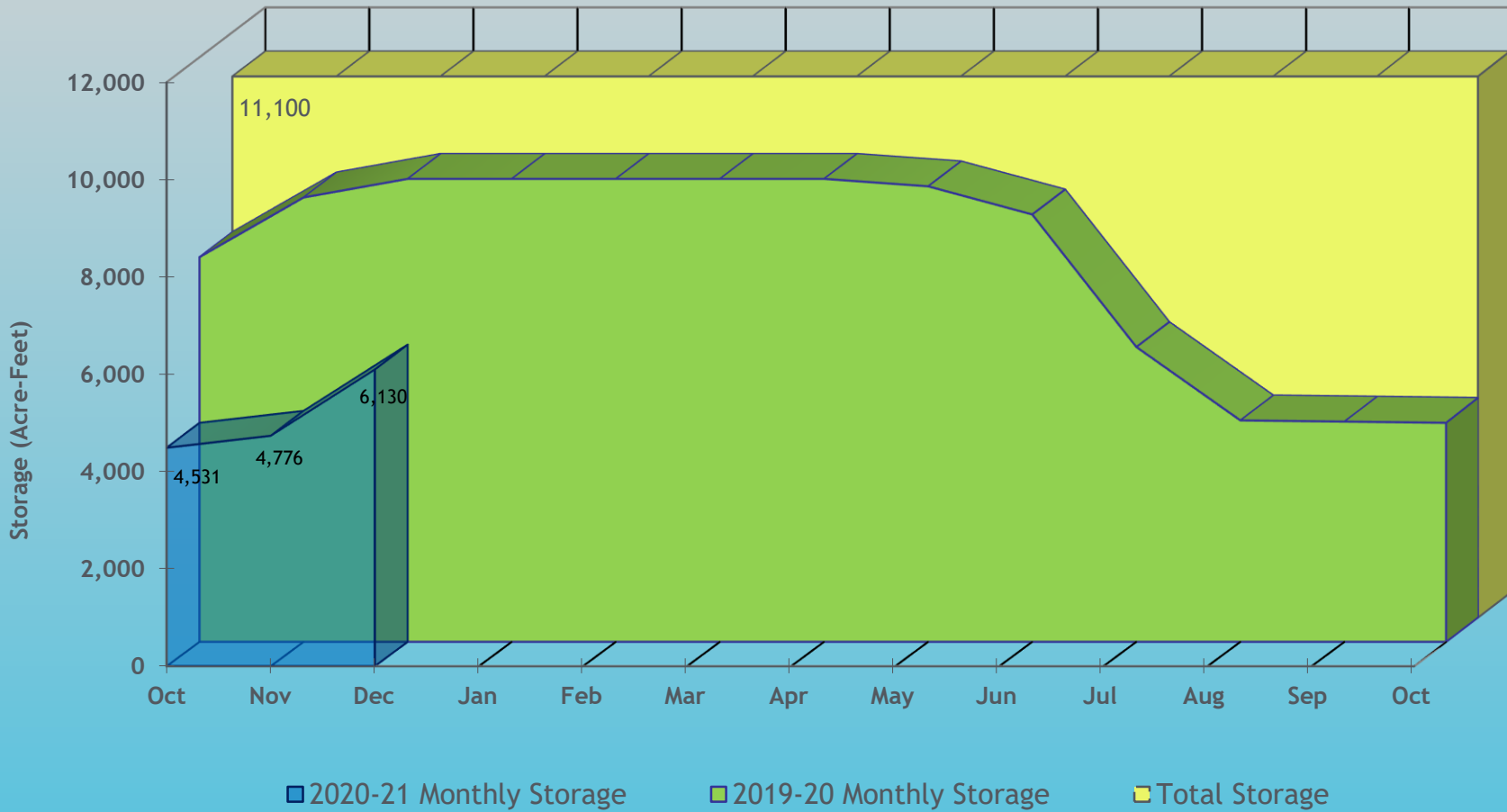
Barr Reservoir (District 2 - Agricultural)



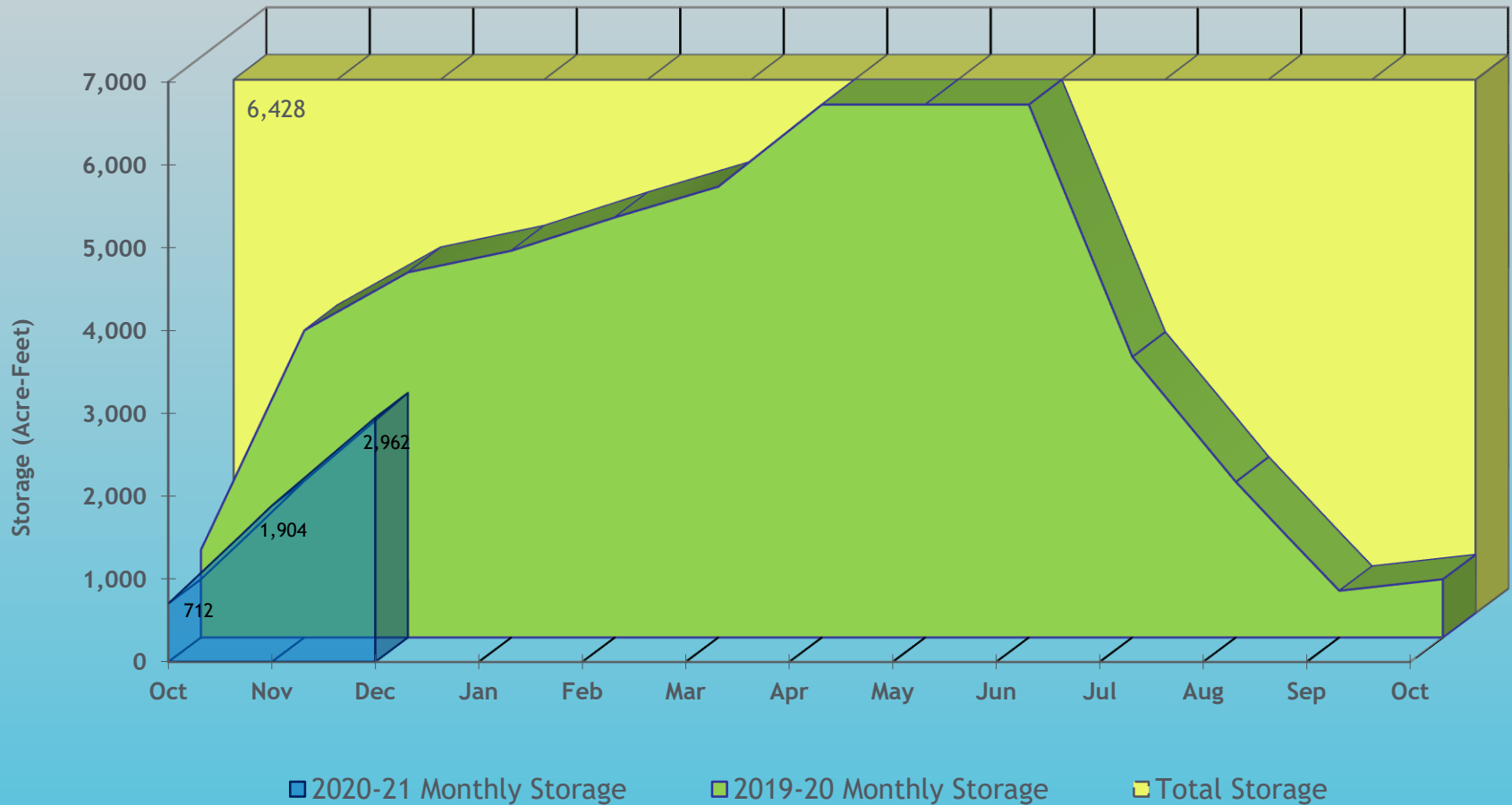
Cobb Reservoir (District 3, Poudre River - Agricultural)



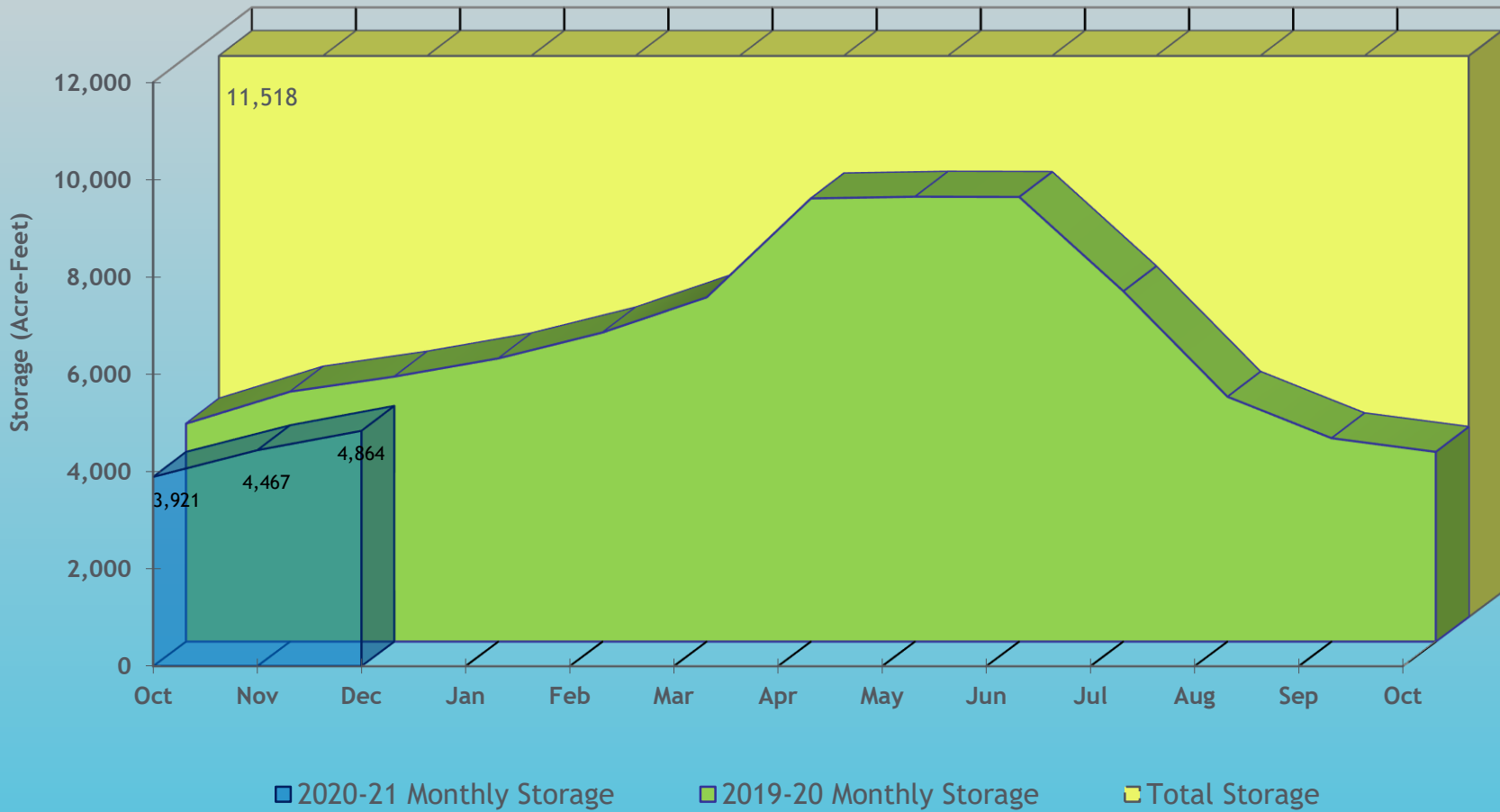
Fossil Creek Reservoir (District 3, Poudre River - Agricultural)



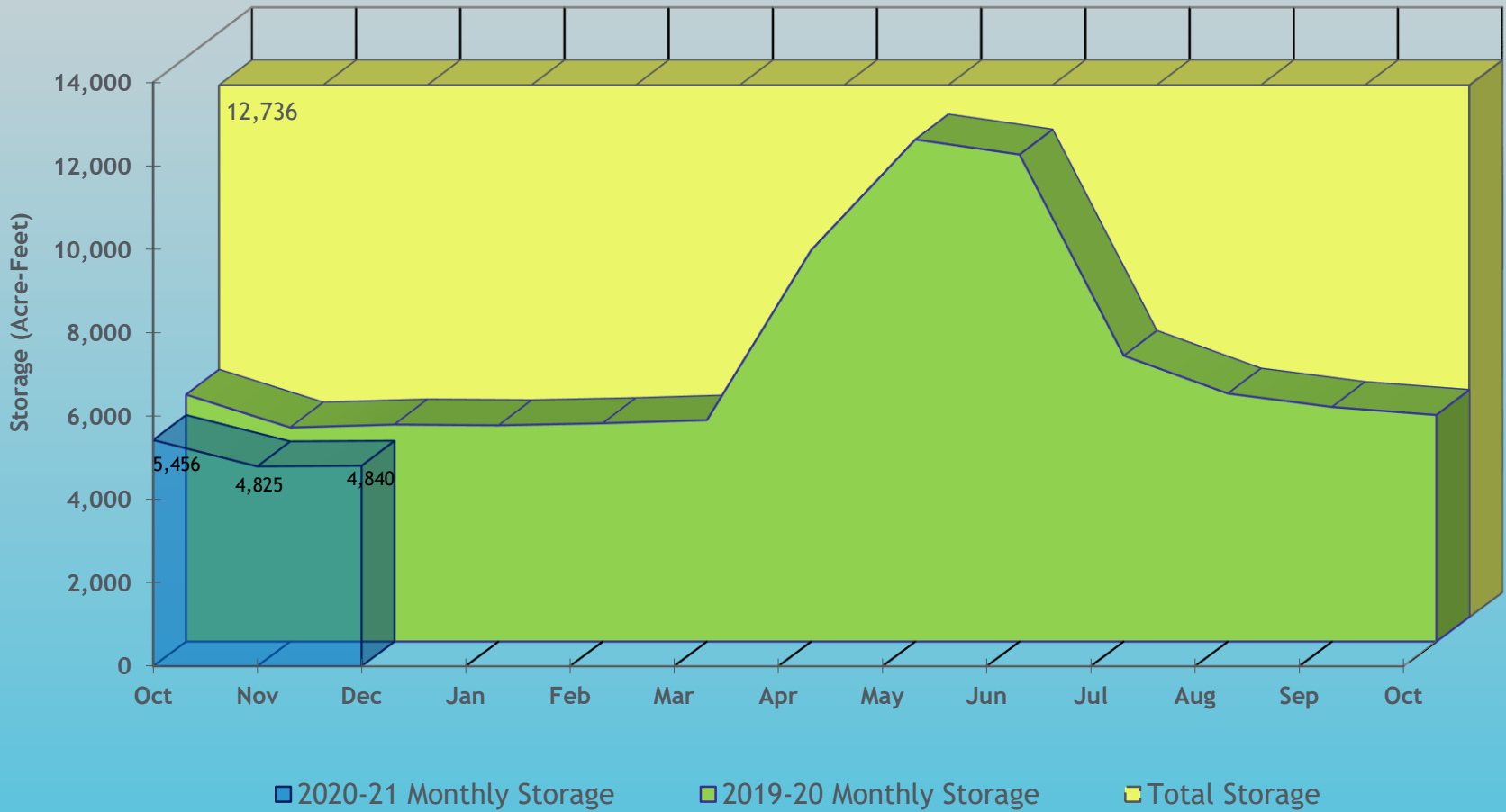
Halligan Reservoir (District 3, Poudre River - Agricultural)



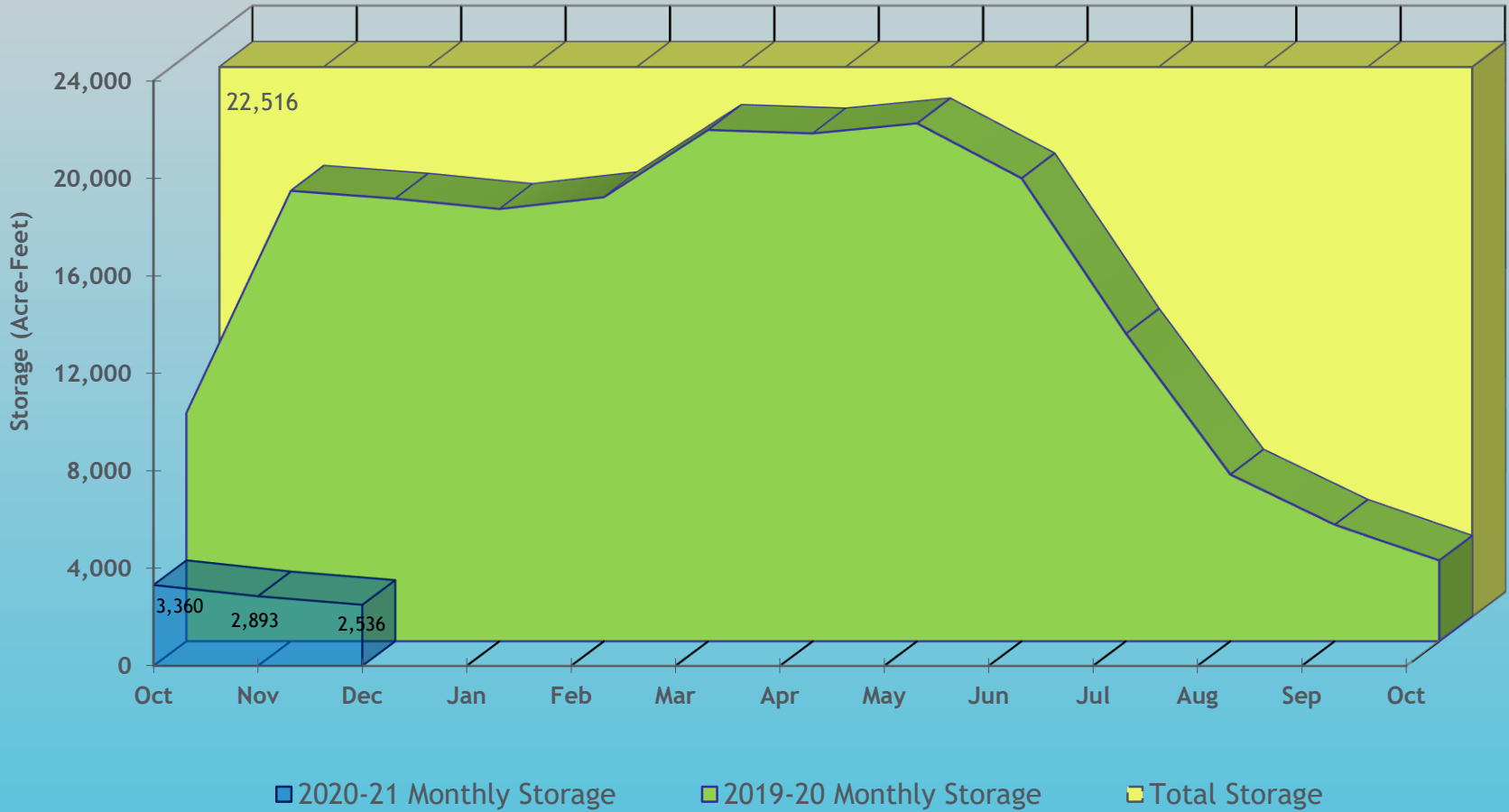
Marshall Lake (District 6, Boulder Creek - Agricultural)



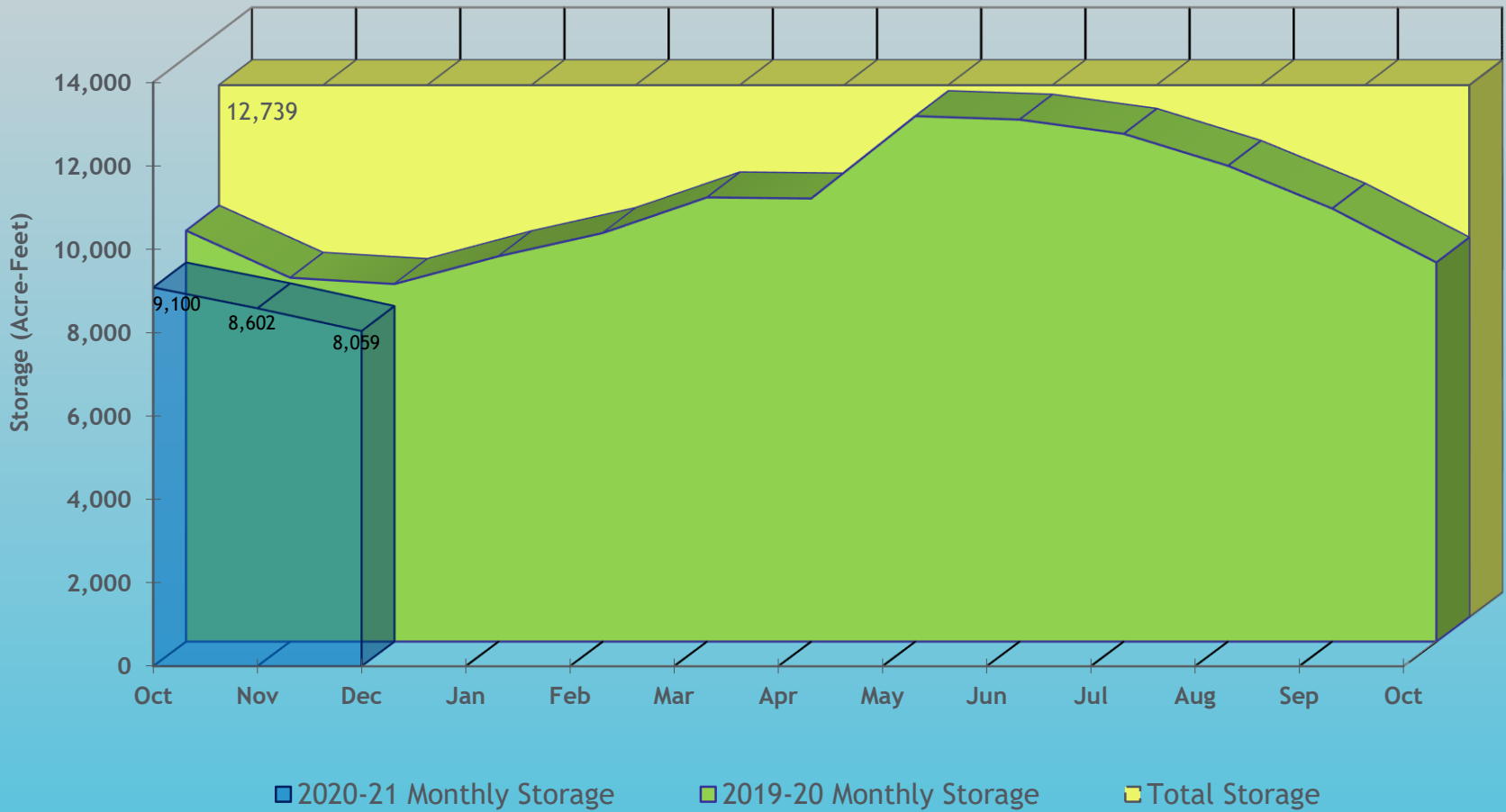
Loveland Greeley Reservoir (District 4, Big Thompson River - Agricultural)



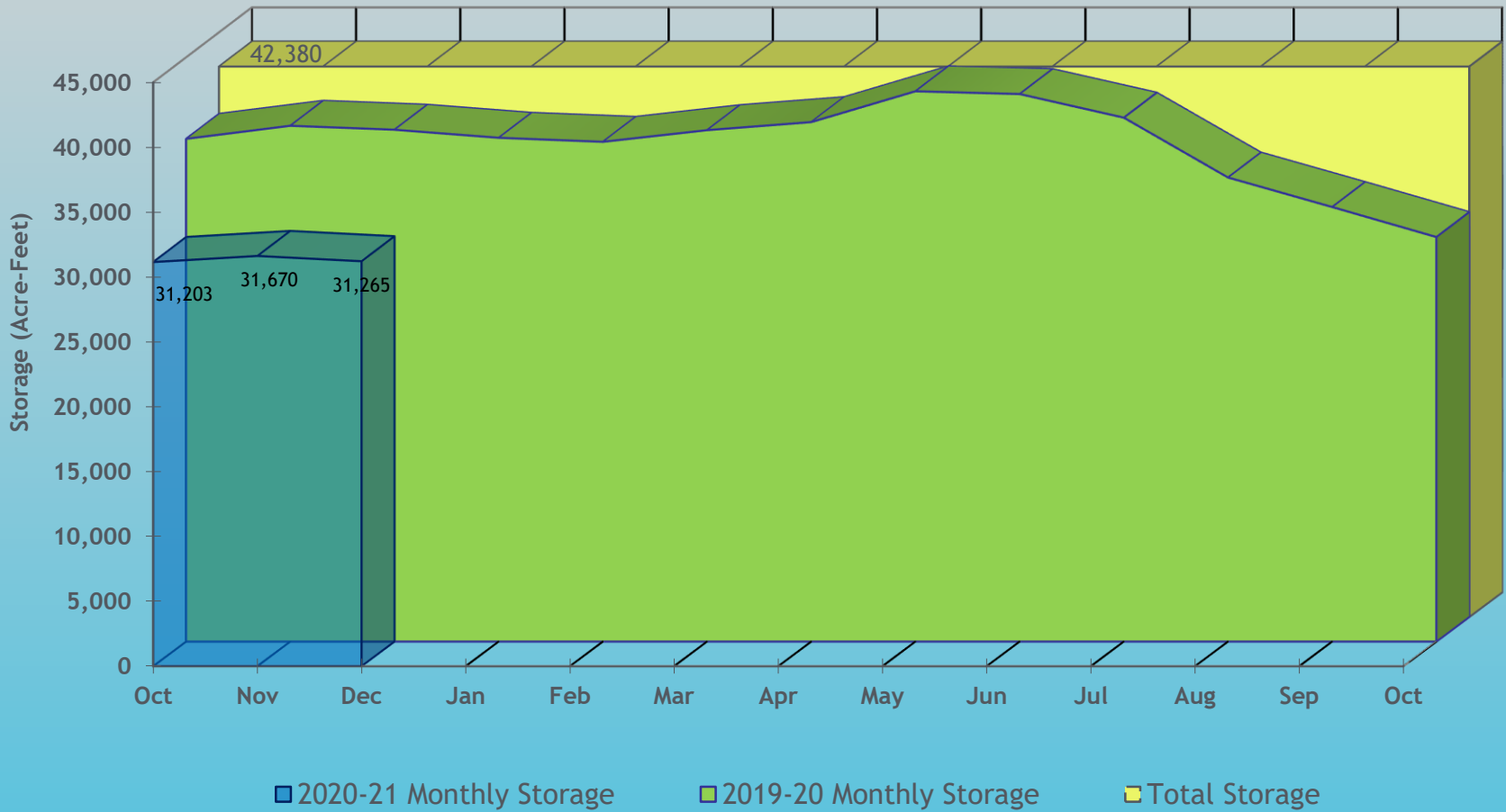
Milton Reservoir (District 2 - Agricultural)



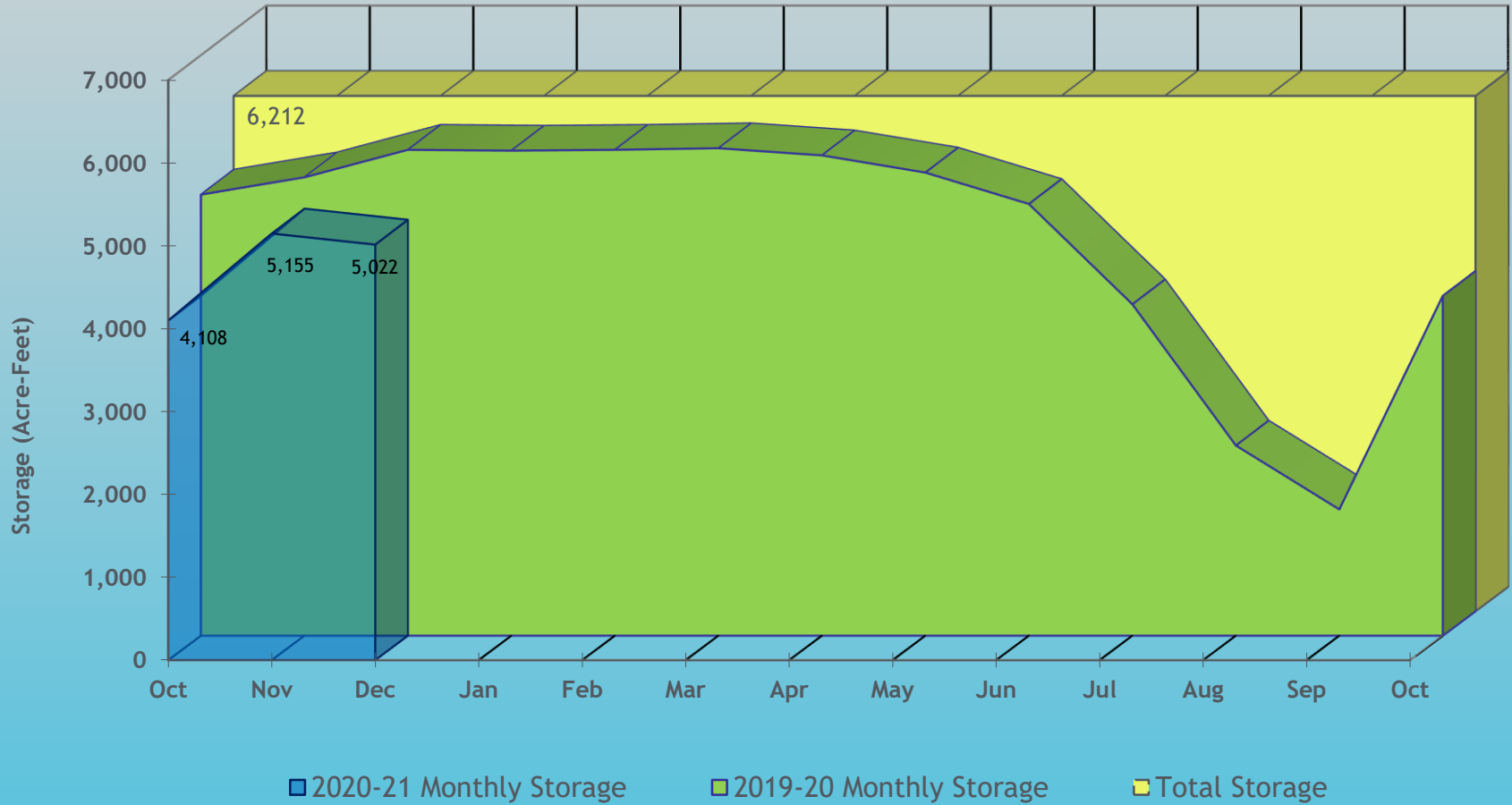
Union Reservoir (District 5, St. Vrain Creek - Agricultural)



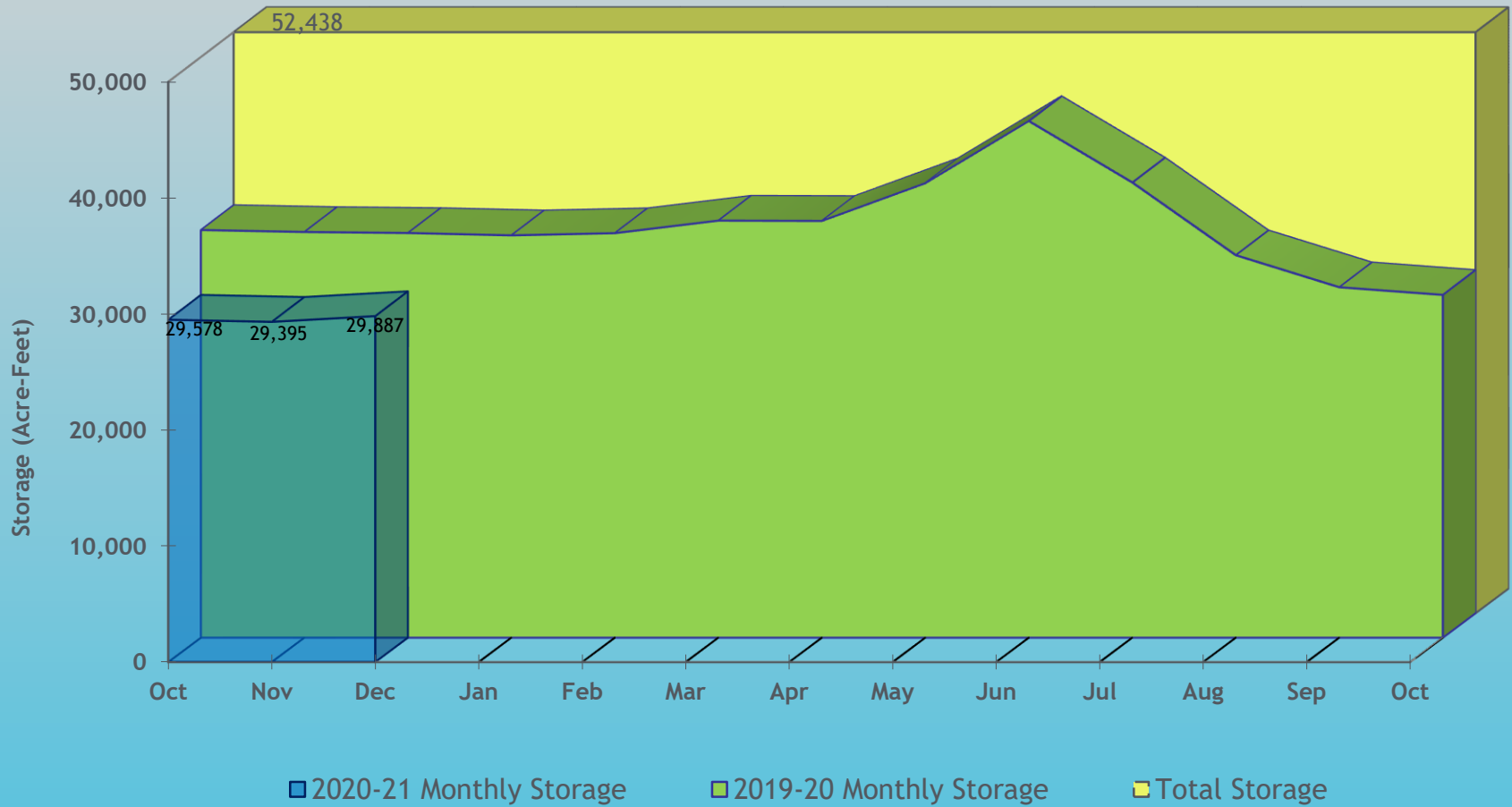
Standley Lake (Agricultural)



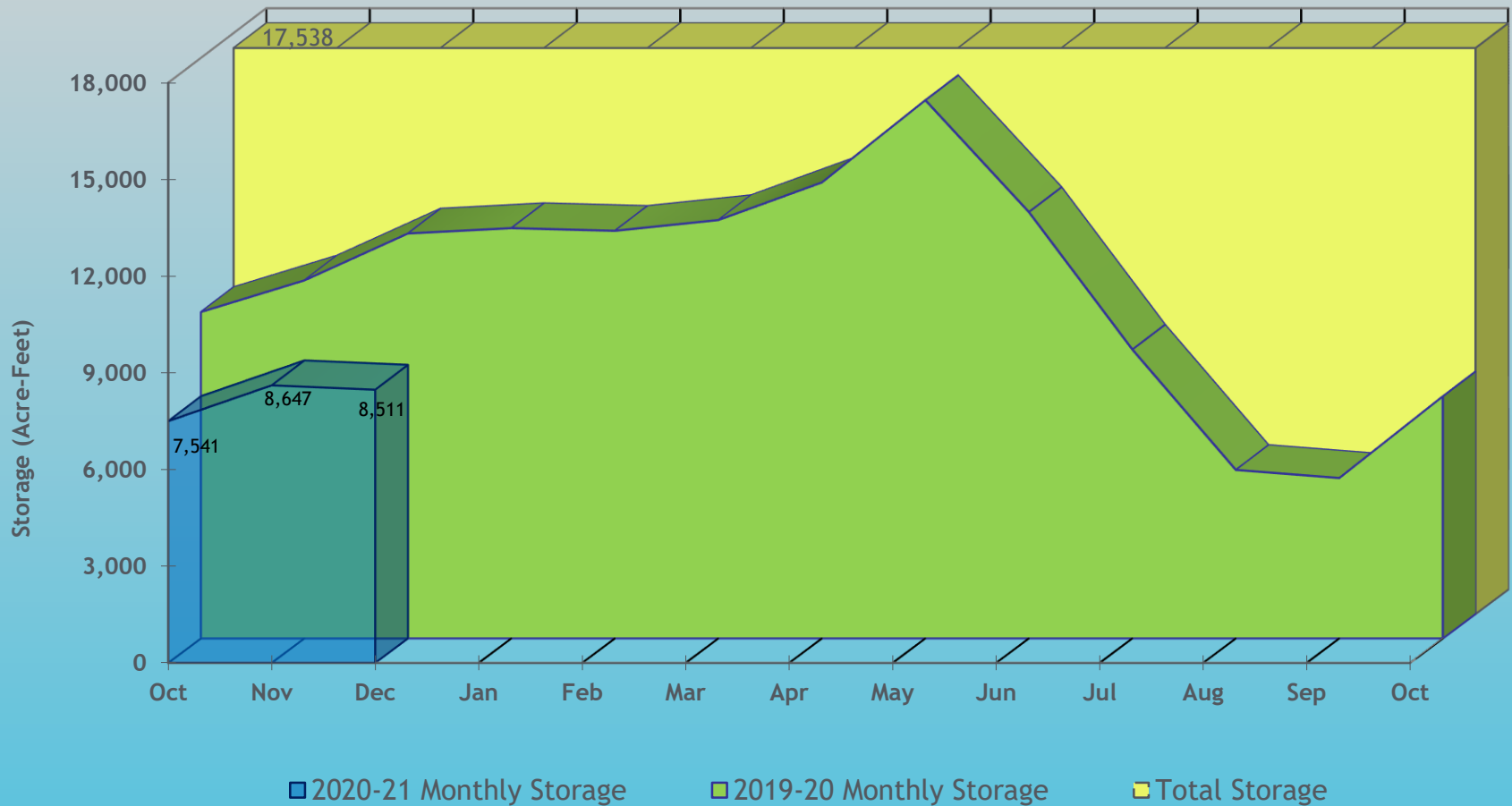
Lower Latham Reservoir (District 2 - Agricultural)



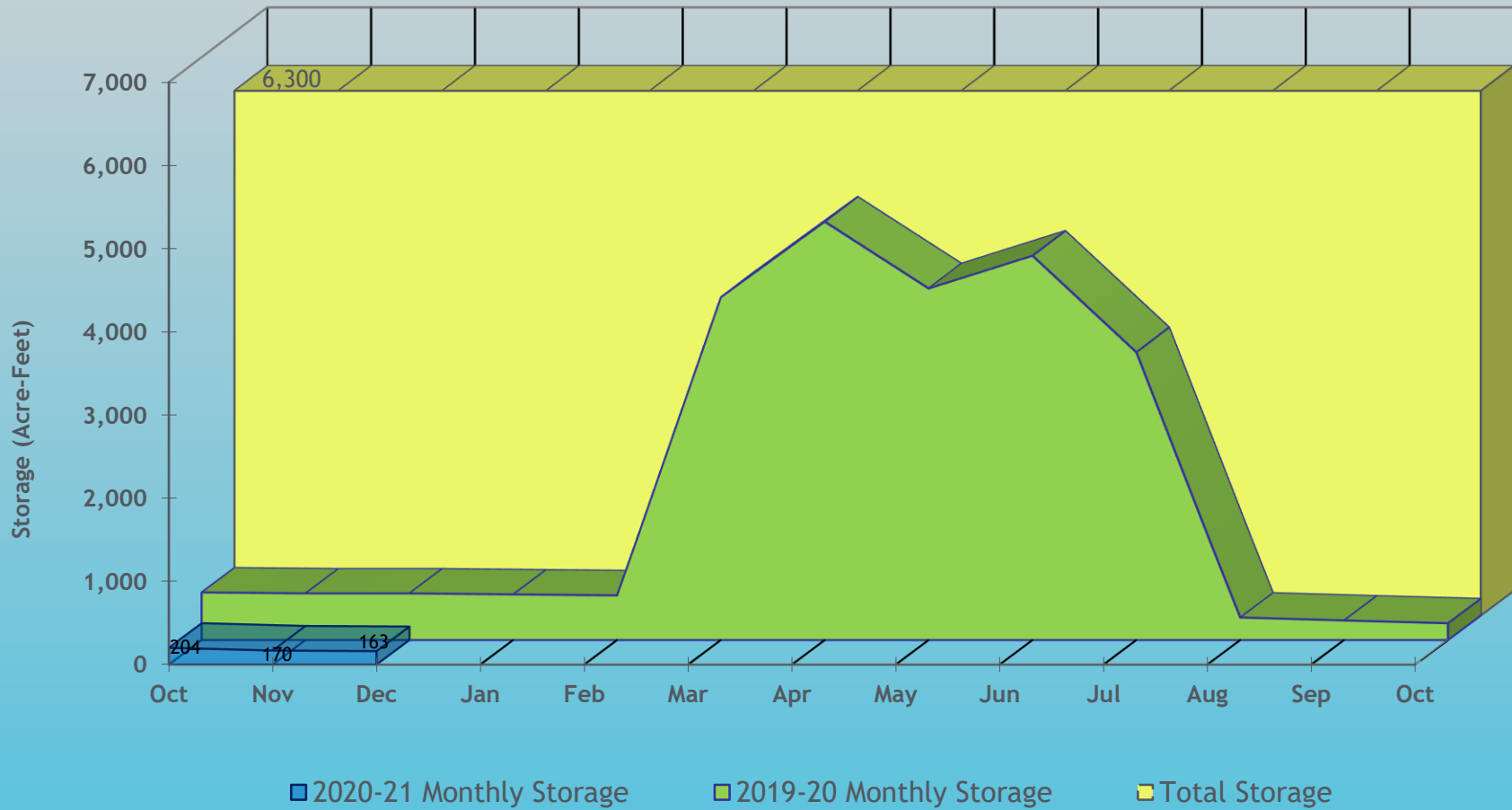
Boyd Lake (District 4, Big Thompson River - Agricultural)



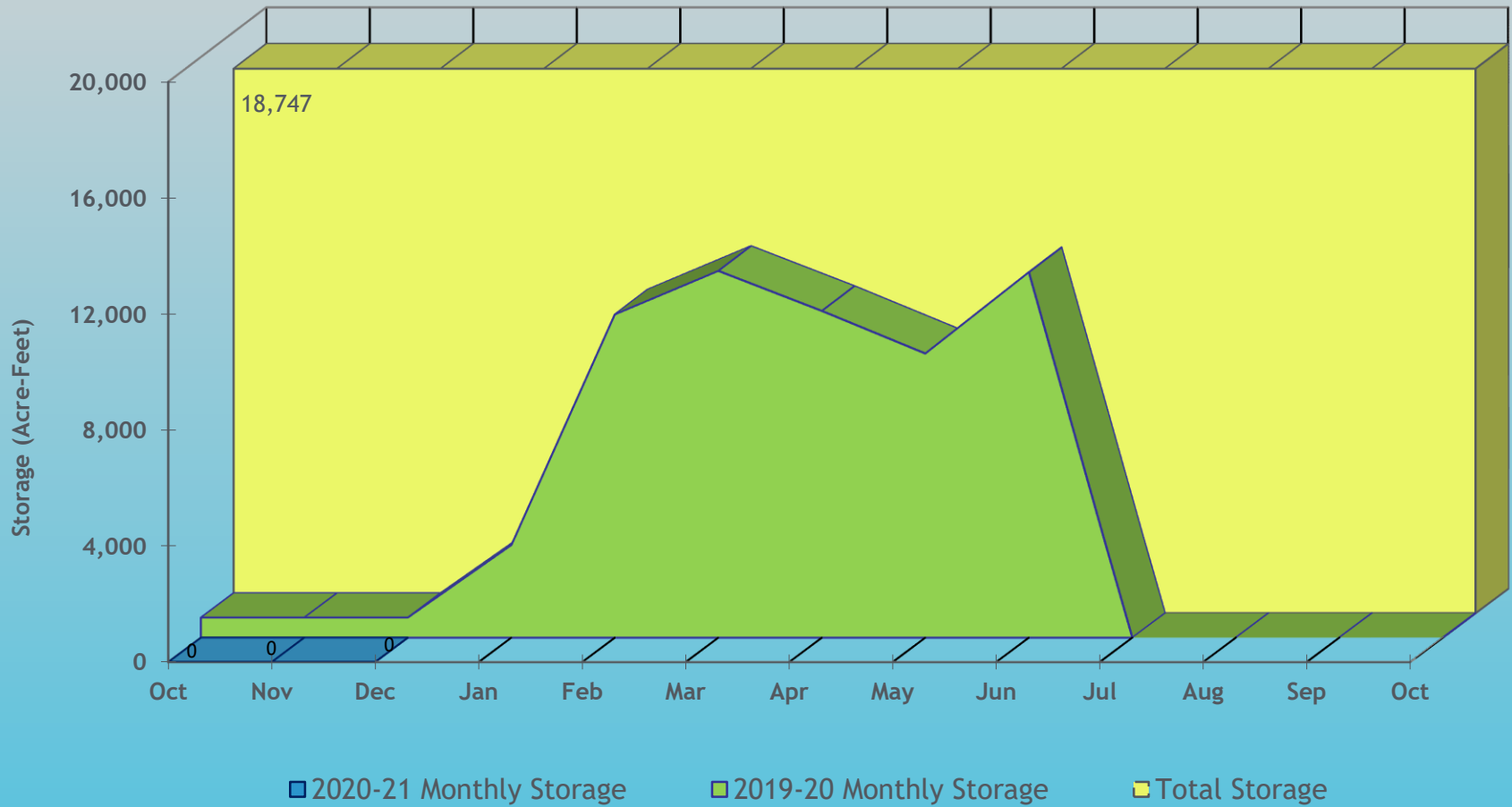
Windsor Reservoir (District 3, Poudre River - Agricultural)



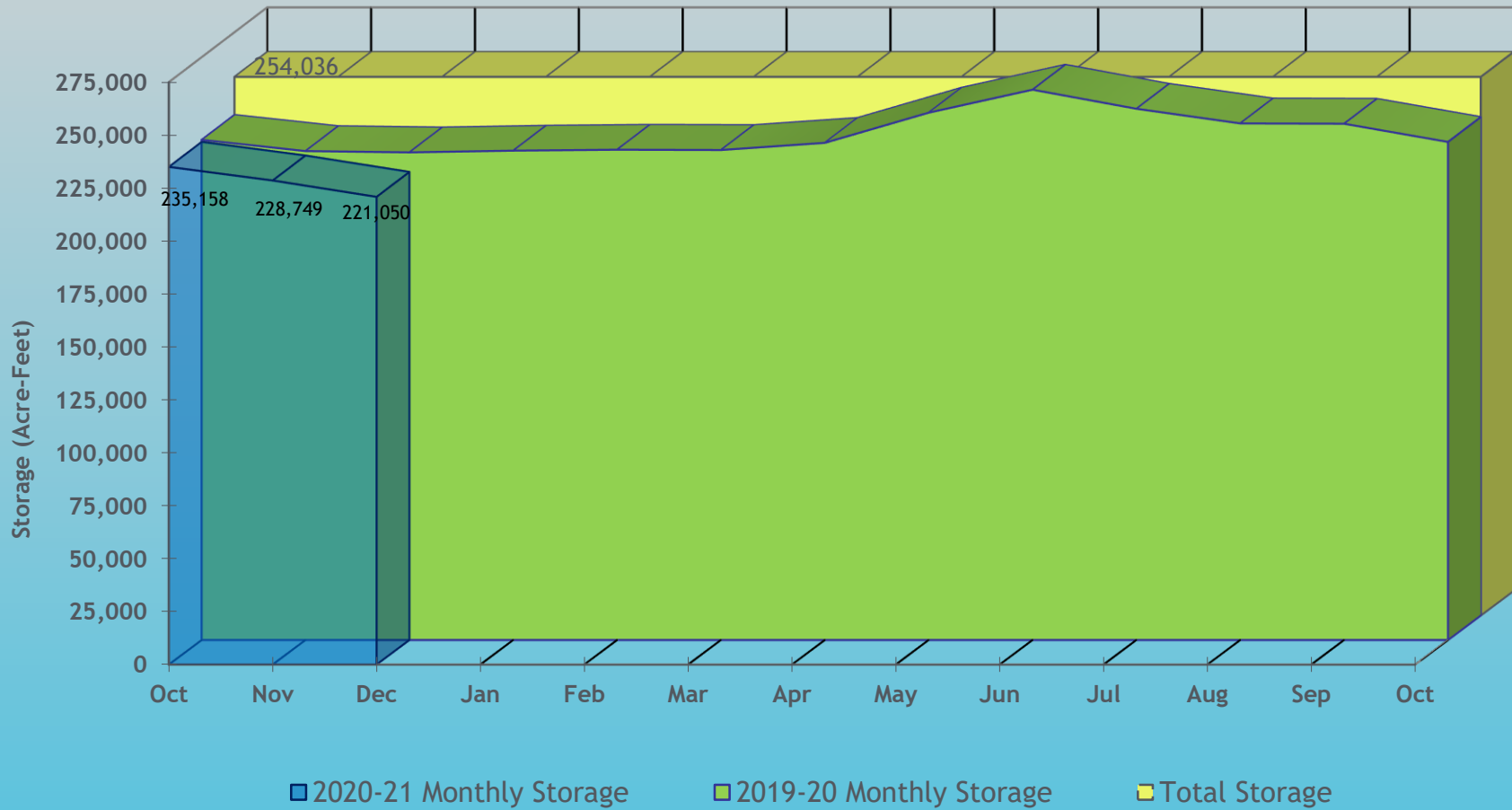
Prospect Reservoir (District 1 - Agricultural)



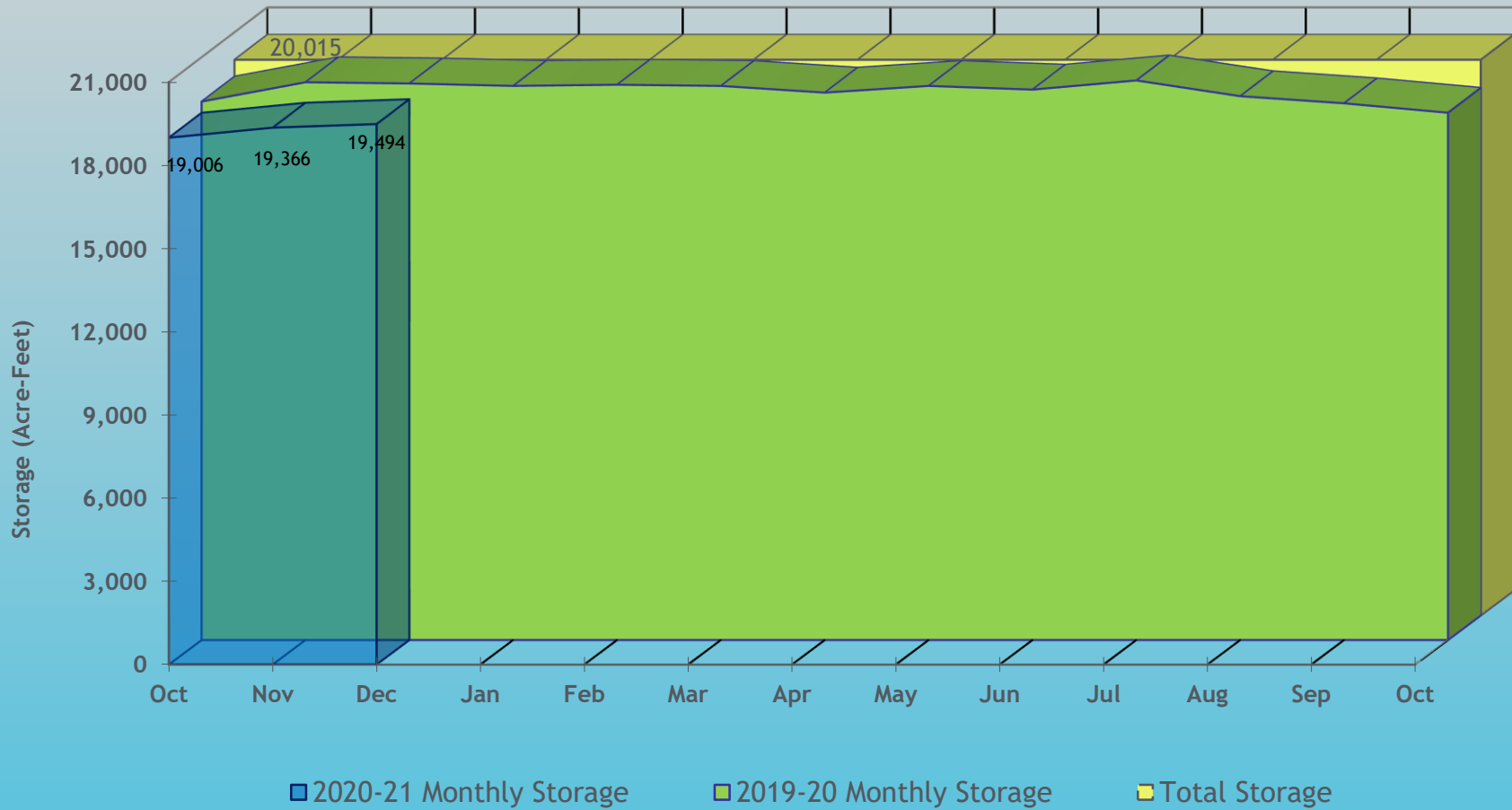
Horse Creek Reservoir (District 1 - Agricultural)



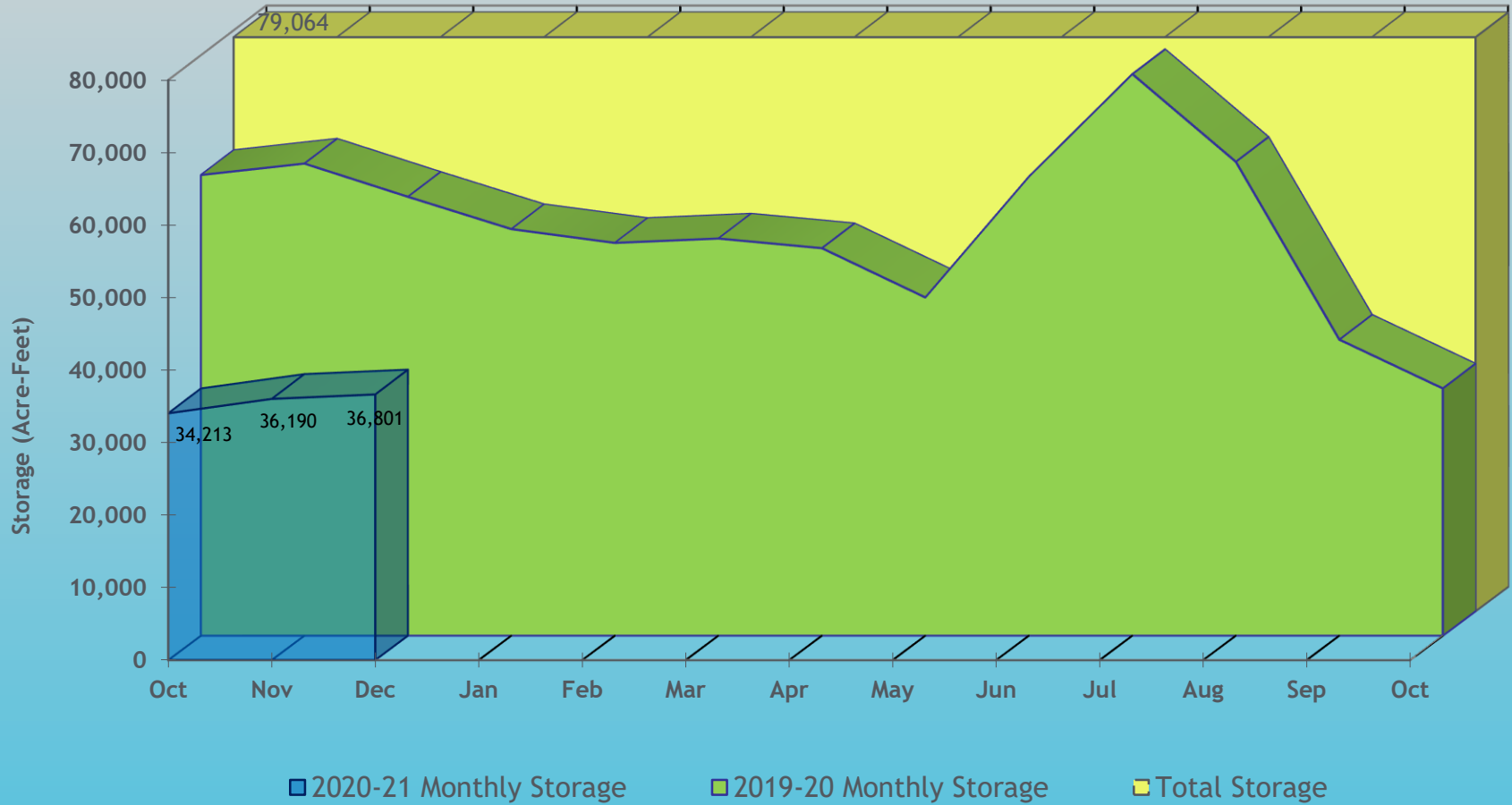
Dillon Reservoir (District 1 - Municipal)



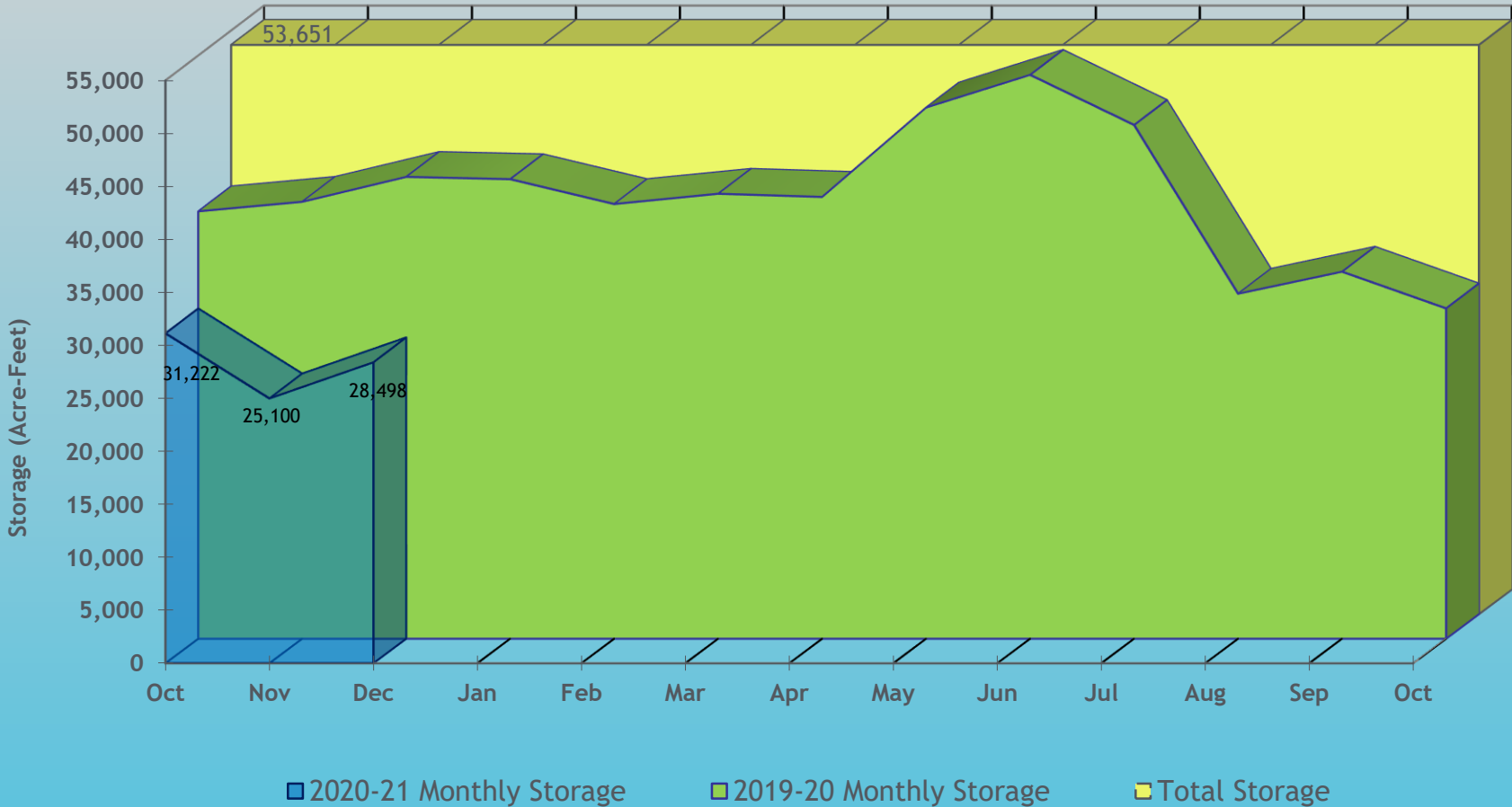
Antero Reservoir (District 23 - Municipal)



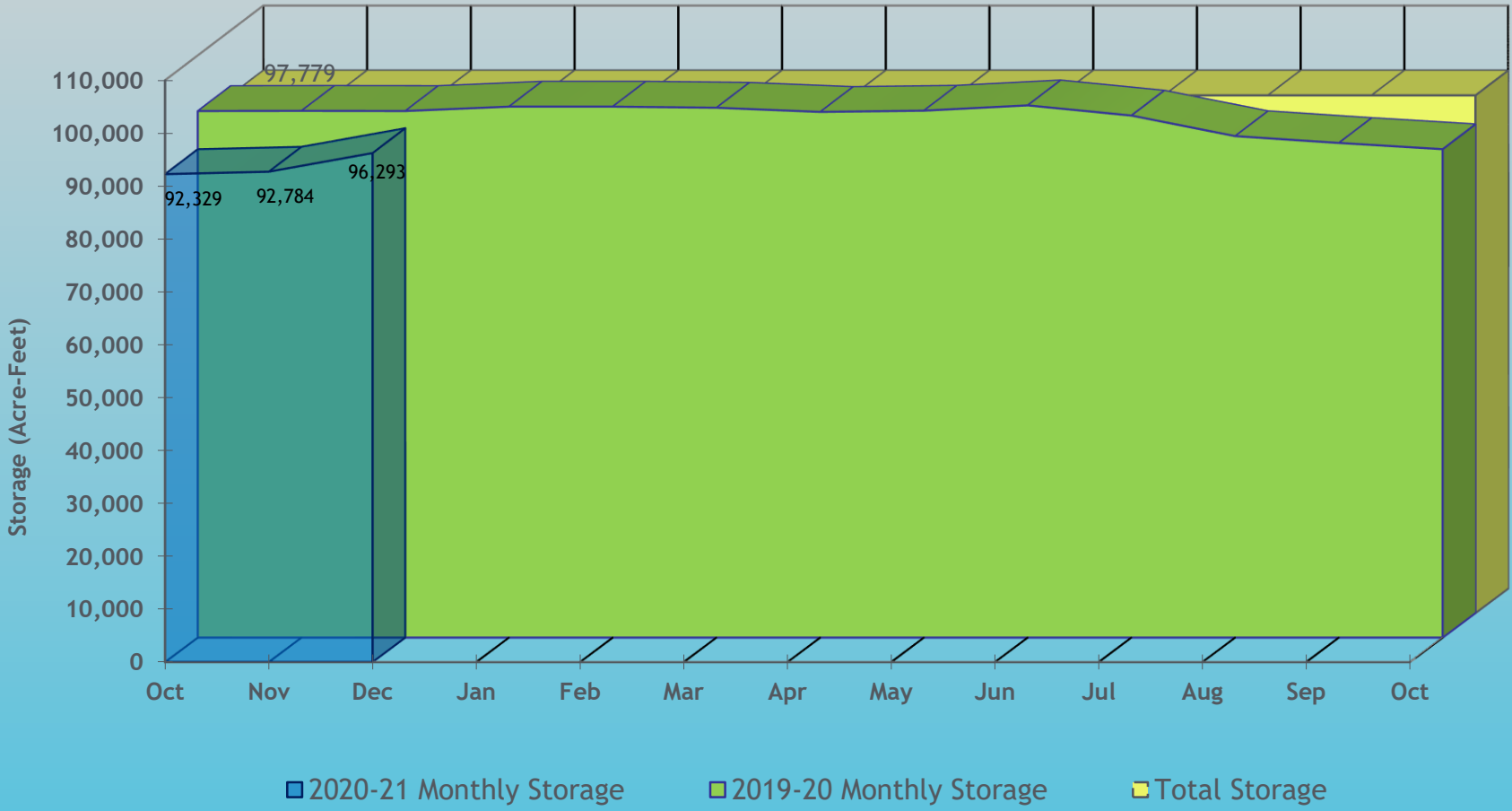
Cheesman Reservoir (District 80 - Municipal)



Spinney Mountain Reservoir (District 23 - Municipal)



Eleven Mile Reservoir (District 23 - Municipal)



Lake Granby

