



COLORADO
Division of Water Resources
Department of Natural Resources

South Platte Summary February 2021

Compiled by Lee Cunning, P.E.

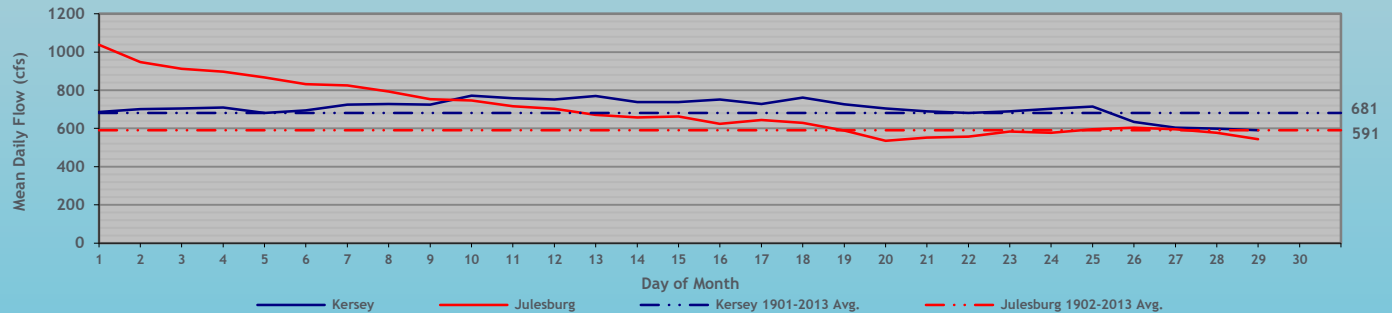
COLORADO DIVISION OF WATER RESOURCES, DIVISION 1

MONTH OF February 2021

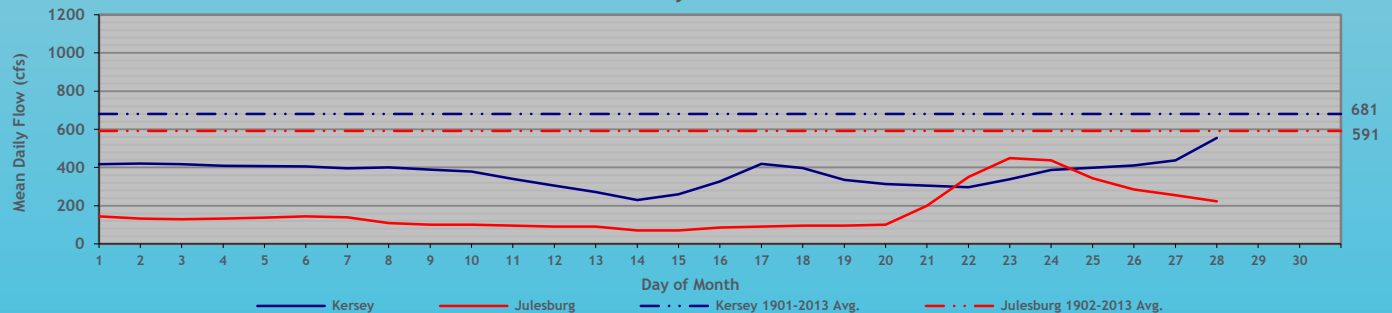
RESERVOIR	FULL ALLOWABLE CAPACITY (ACRE FEET)	FIRST OF MONTH (ACRE FEET)	END OF MONTH (ACRE FEET)	DISTRICT	CHANGE IN STORAGE (ACRE FEET)	% CHANGE IN STORAGE BASED ON FIRST OF MONTH STORAGE	% OF CURRENT FULL ALLOWABLE CAPACITY	% OF CURRENT FULL ALLOWABLE CAPACITY THIS MONTH LAST YEAR	SURCHARGE (ACRE FEET)
JULESBURG	22,666	14,423	14,356	64	-67	0%	63%	86%	0
N STERLING	73,730	44,230	53,967	64	9,737	22%	73%	99%	0
PREWITT	28,500	11,891	14,818	64	2,927	25%	52%	92%	0
JACKSON	27,257	24,874	26,057	1	1,183	5%	96%	86%	0
EMPIRE	37,700	27,875	25,067	1	-2,808	-10%	66%	71%	0
RIVERSIDE	63,113	43,668	48,982	1	5,314	12%	78%	94%	0
BARR LAKE	32,152	14,593	17,260	2	2,667	18%	54%	72%	0
CHEESMAN	79,064	42,332	46,986	80	4,654	11%	59%	69%	0
ELEVEN MILE	97,779	95,724	94,526	23	-1,198	-1%	97%	100%	0
SPINNEY	53,651	26,100	25,711	23	-389	-1%	48%	76%	0
ANTERO	20,015	19,515	19,515	23	0	0%	98%	100%	0

RIVER GAGES	MEAN DAILY FLOW (CFS)
KERSEY	370
JULESBURG	168
THIS MONTH LAST YEAR	
KERSEY	706
JULESBURG	698
MEAN FOR PERIOD OF RECORD*	
KERSEY	681
JULESBURG	591
*Kersey 1901 - 2016	
*Julesburg 1902 - 2016	

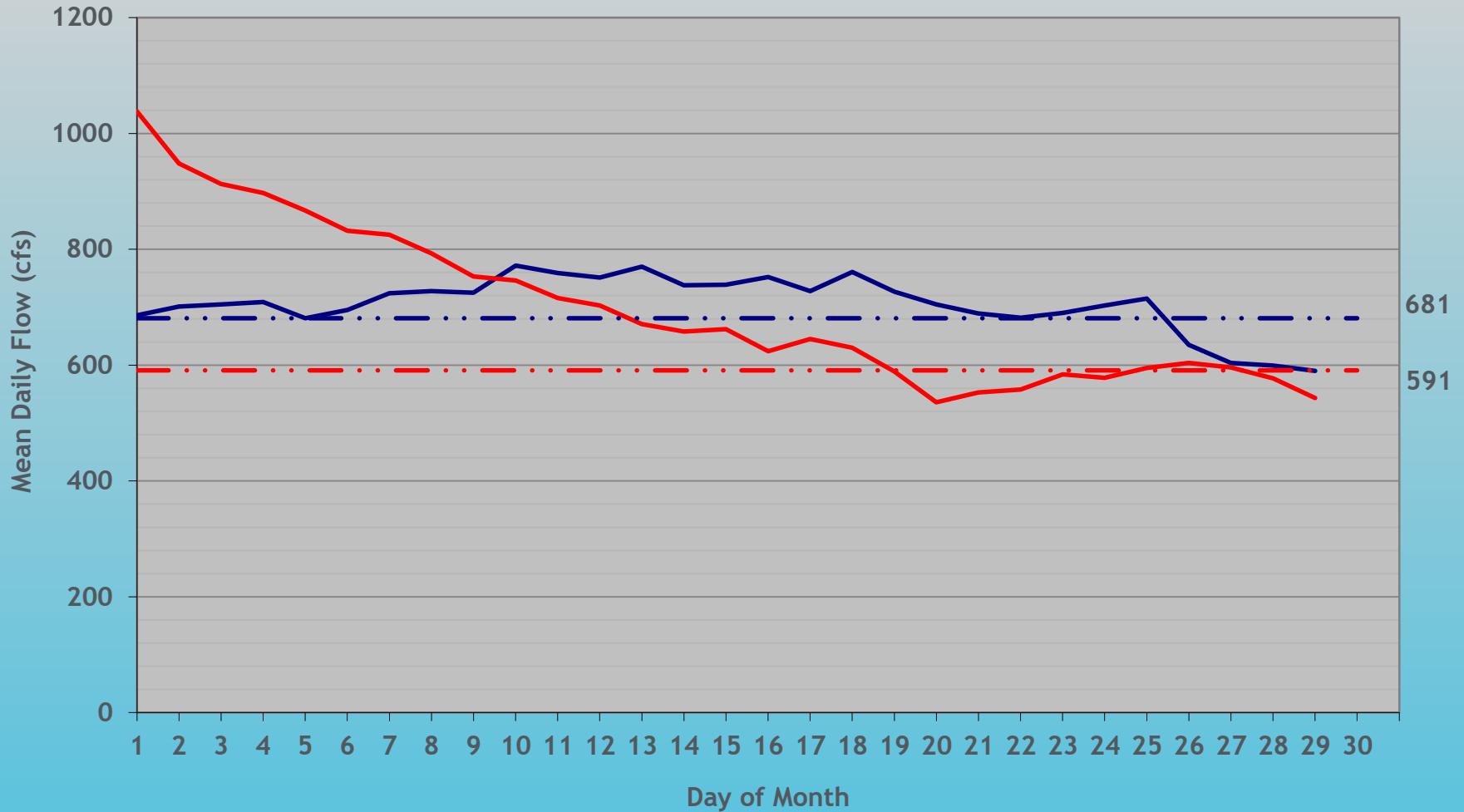
KERSEY and JULESBURG
February 2020



KERSEY and JULESBURG
February 2021



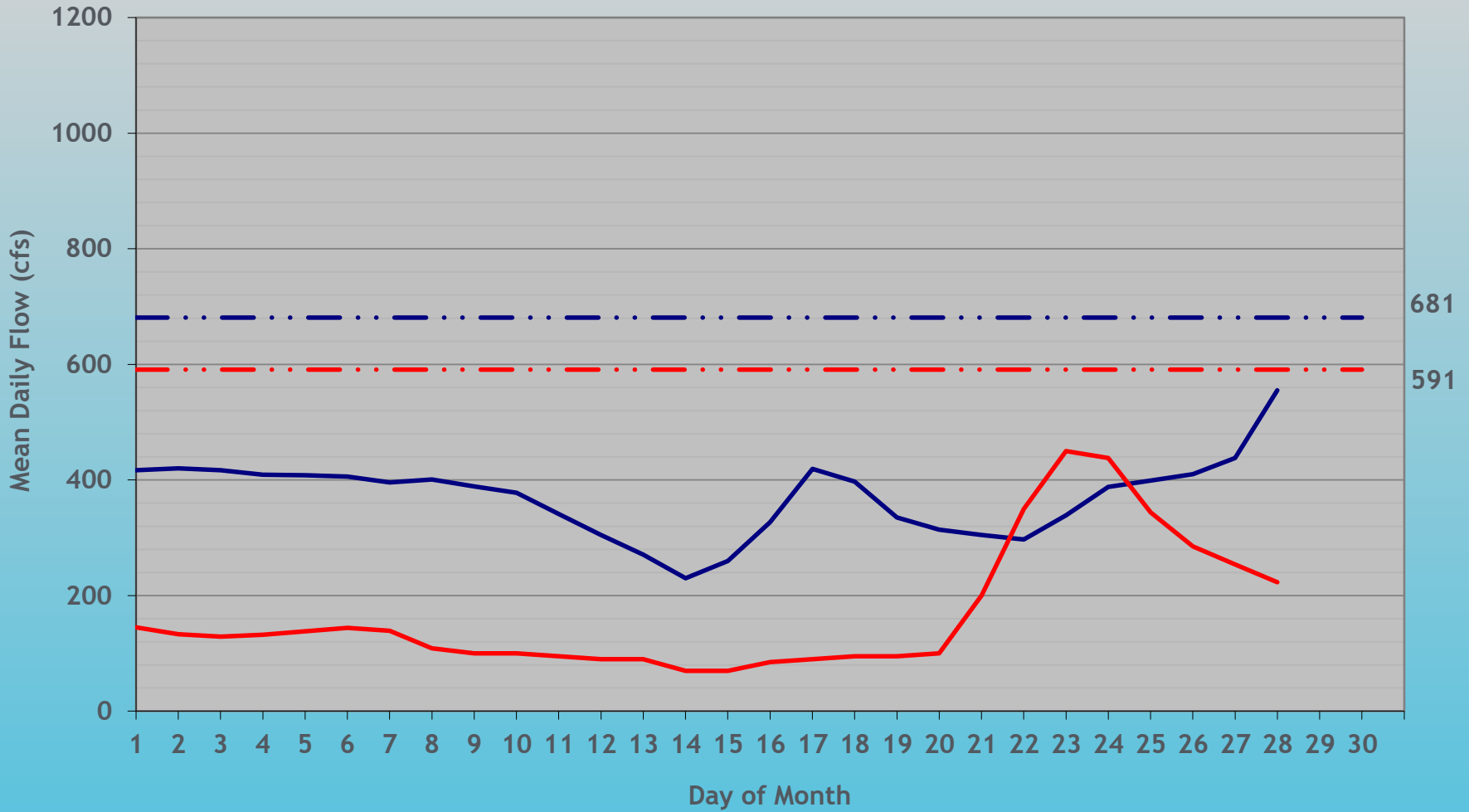
KERSEY and JULESBURG February 2020



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

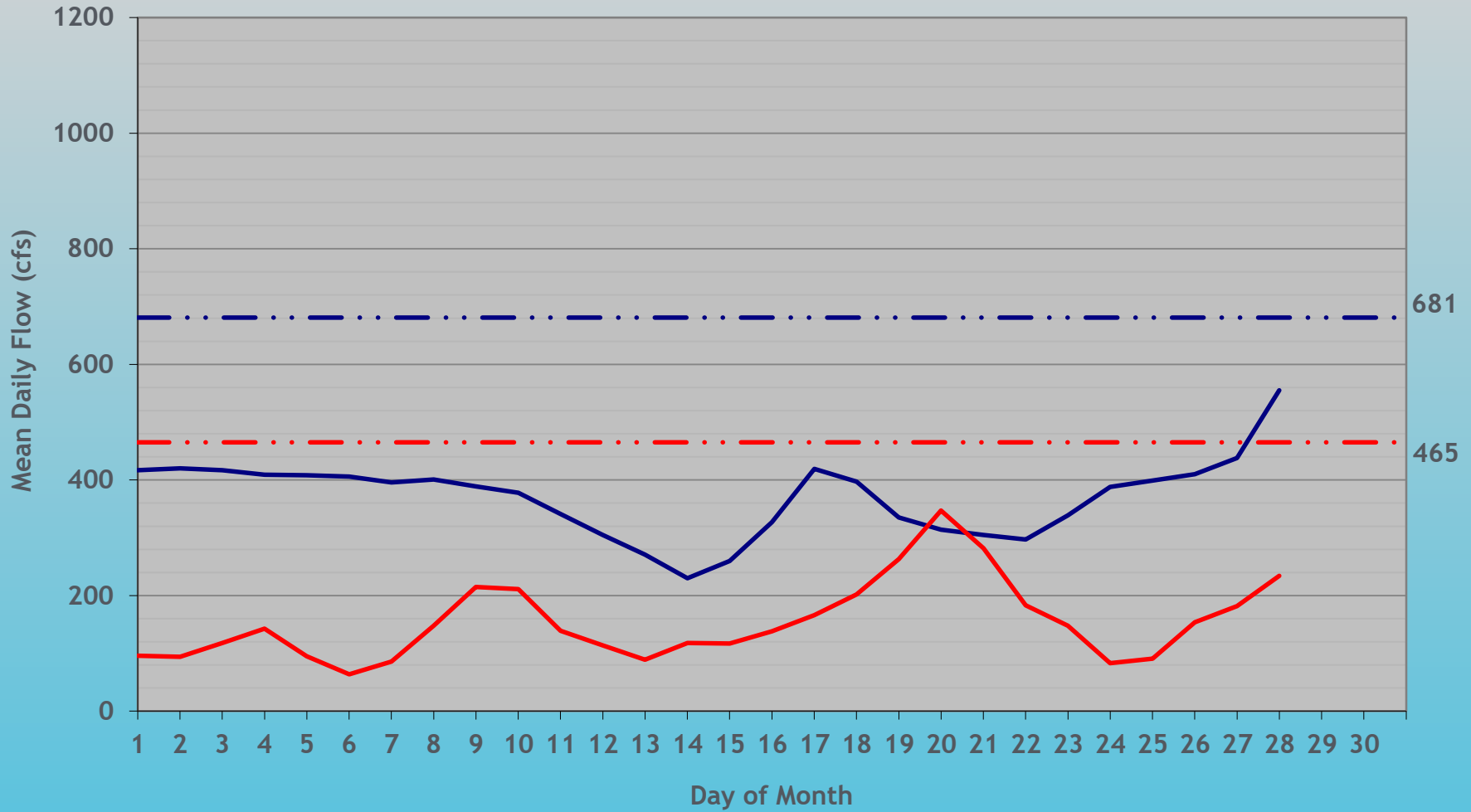
KERSEY and JULESBURG

February 2021



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

KERSEY and BALZAC February 2021



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

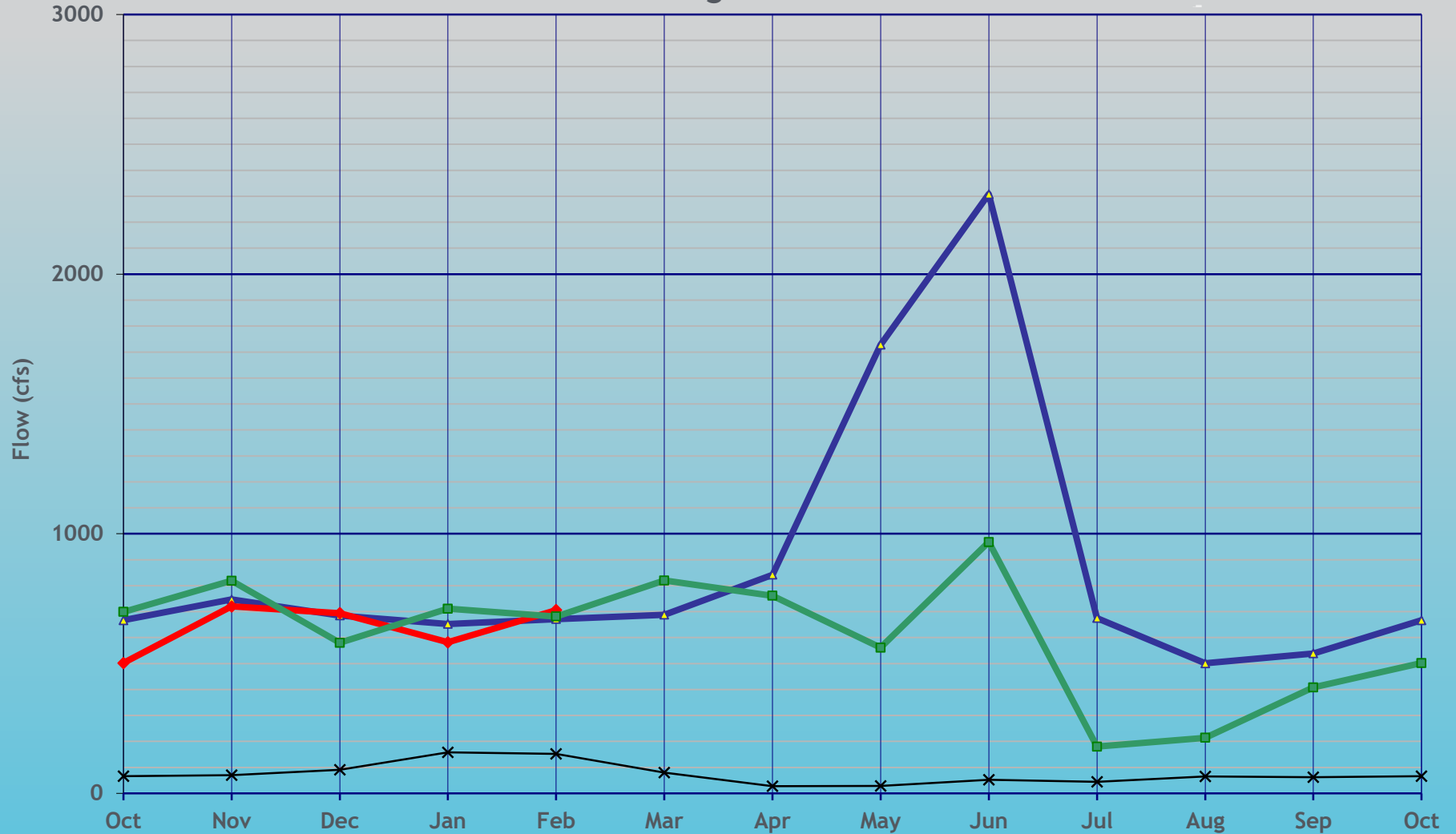
South Platte River Monthly Stream Flow (cfs) Statistics

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	582	Jan	512	2510	1970	21	2003	148
Feb	671	3060	1914	152	1935	706	Feb	578	3220	1930	29	2005	154
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



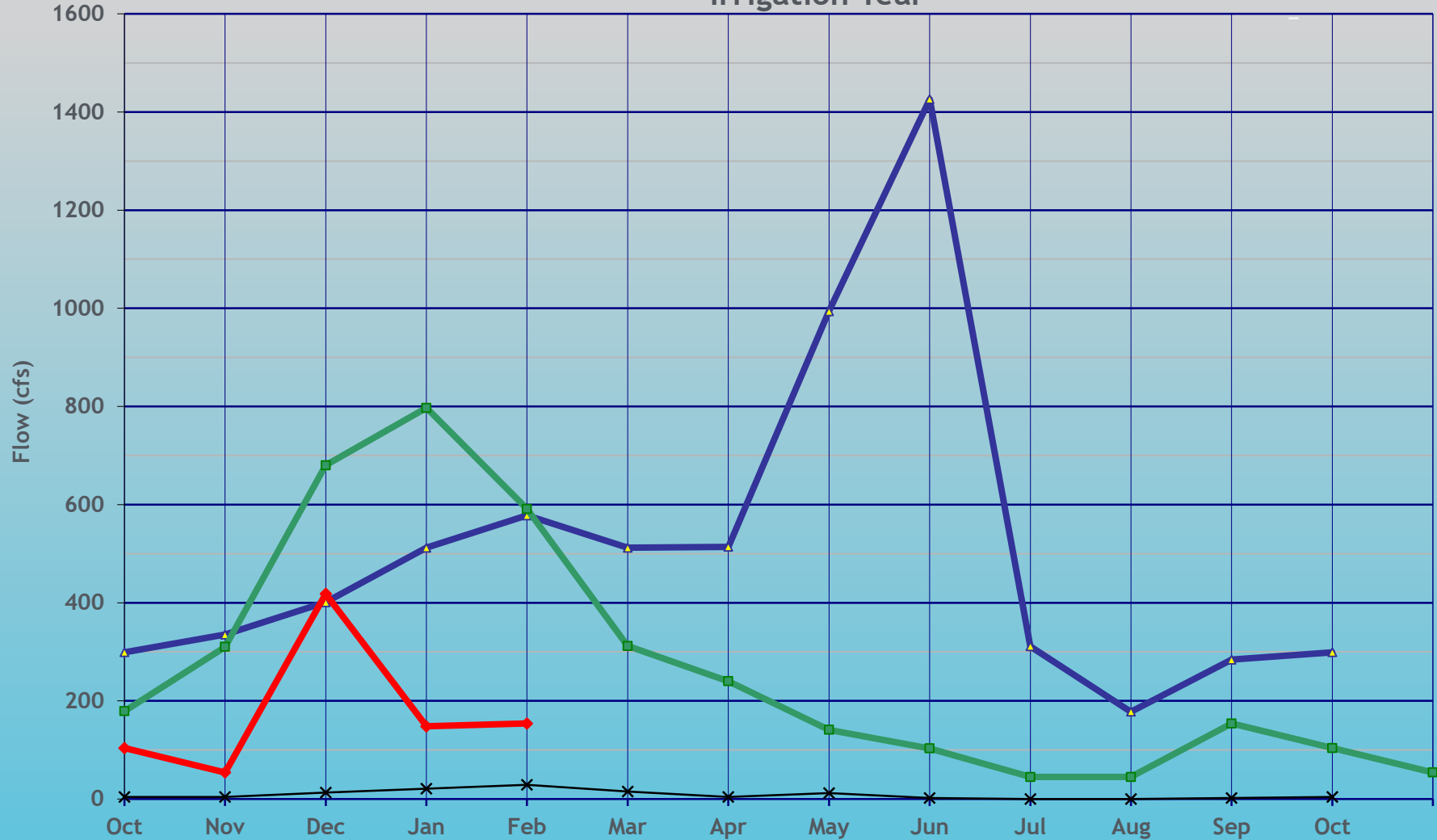
Historic* Mean Flow Historic* Min Flow 2020-2021 Mean Flow 2019-2020 Mean Flow

*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

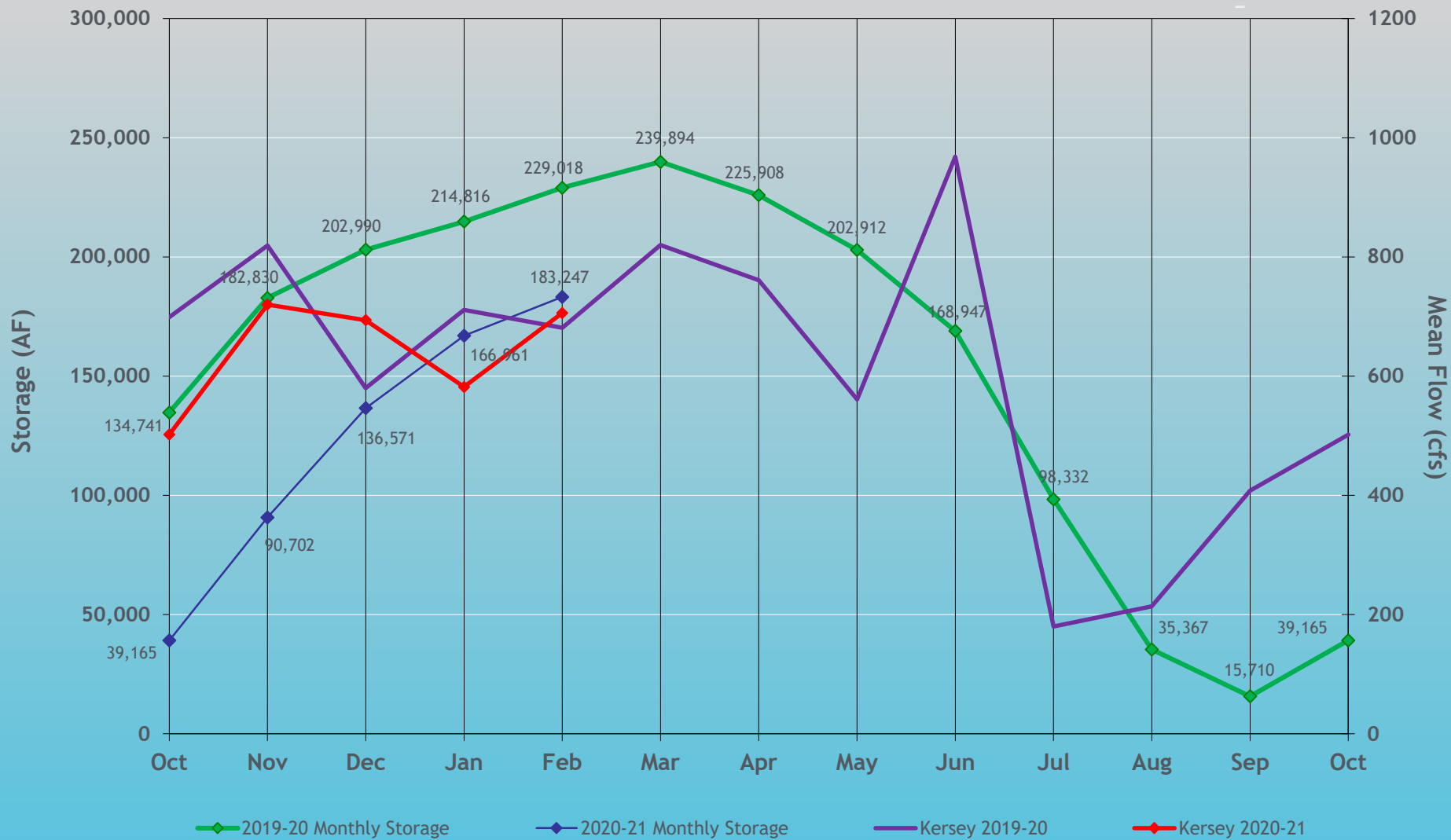




Next three slides show Reservoir Storage above and below Kersey

Reservoir Storage below Kersey

Selected Reservoirs*

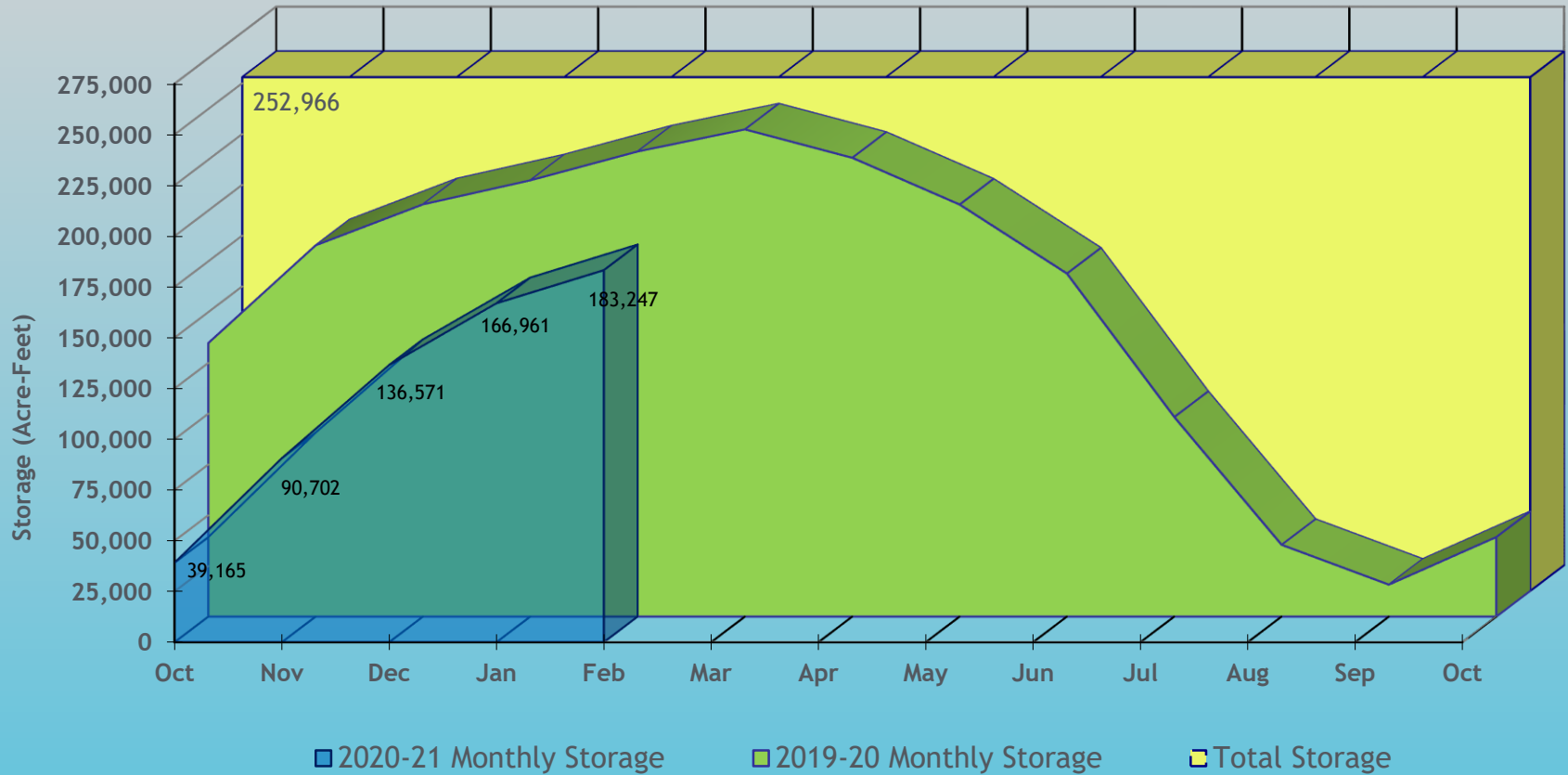


*Empire, Riverside, Jackson, Prewitt, North Sterling, & Julesburg



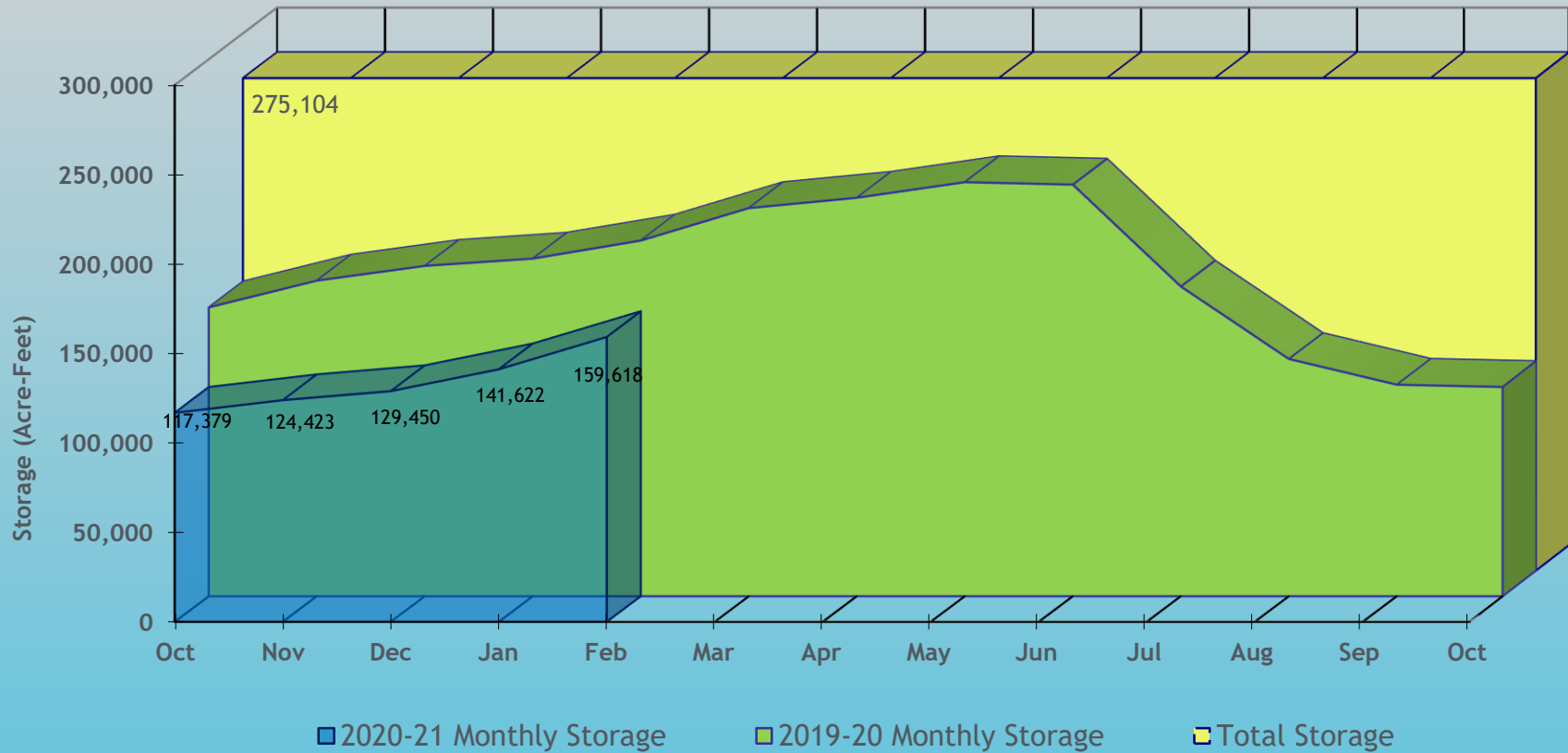
COLORADO
Department of
Natural Resources

South Platte Reservoir Storage below Kersey*



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

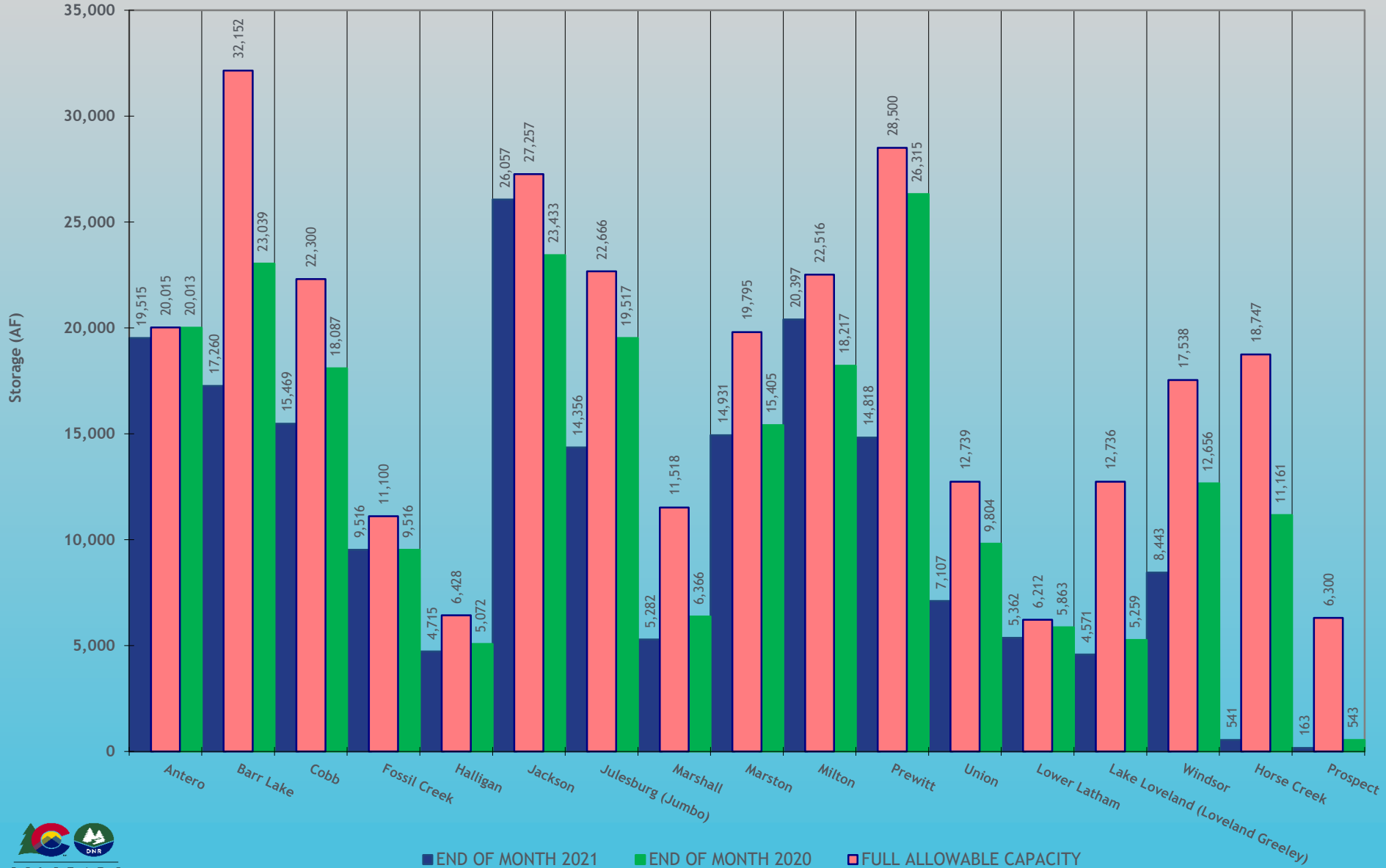
South Platte Reservoir Storage above Kersey*



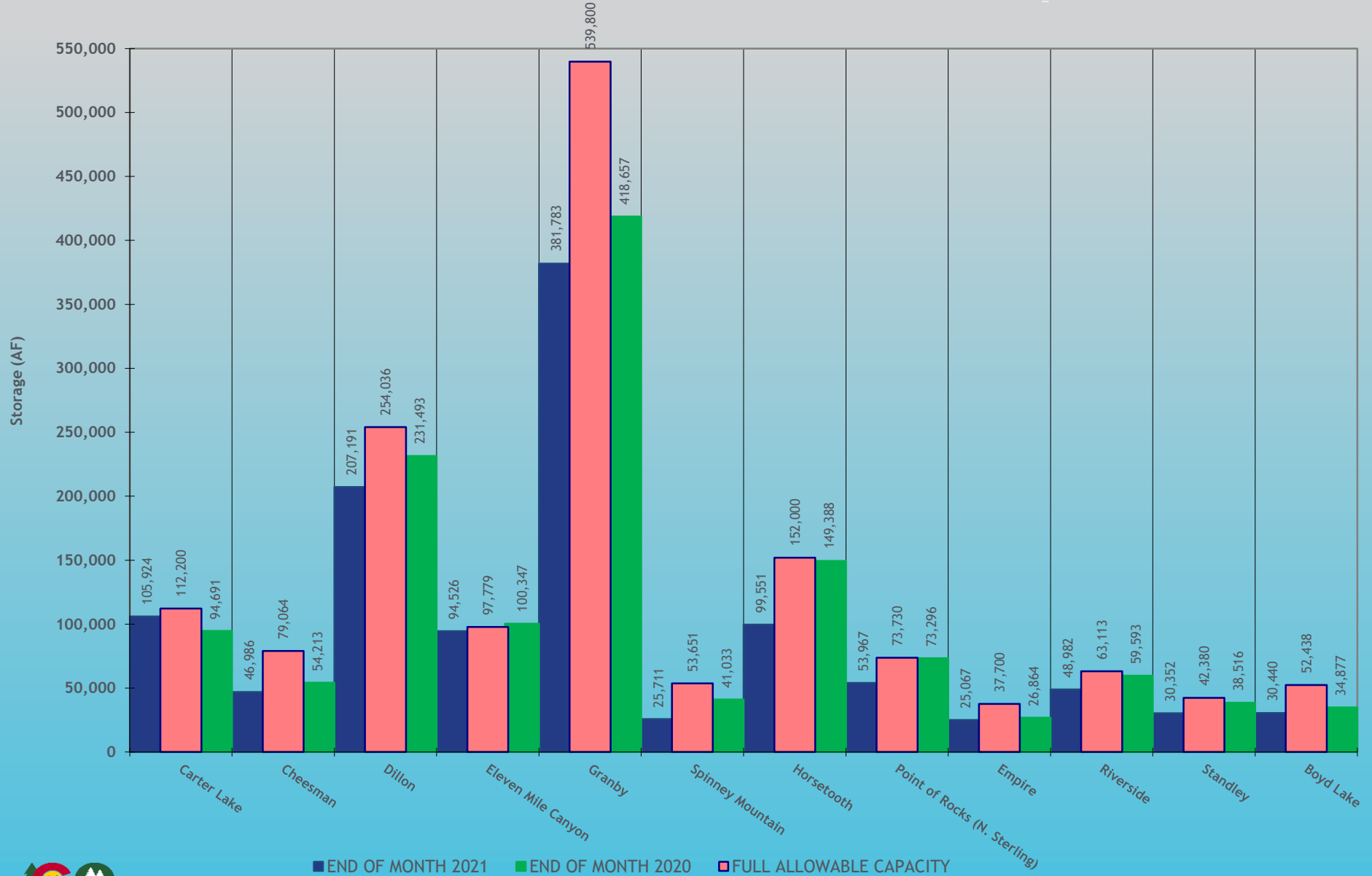
*Barr, Cobb, Fossil Crk, Halligan, Marshall, Milton, Union, Standley, Lower Latham, Boyd, Loveland, Windsor, Horse Crk, & Prospect



February Reservoir Change in Storage IY2020 versus IY2021

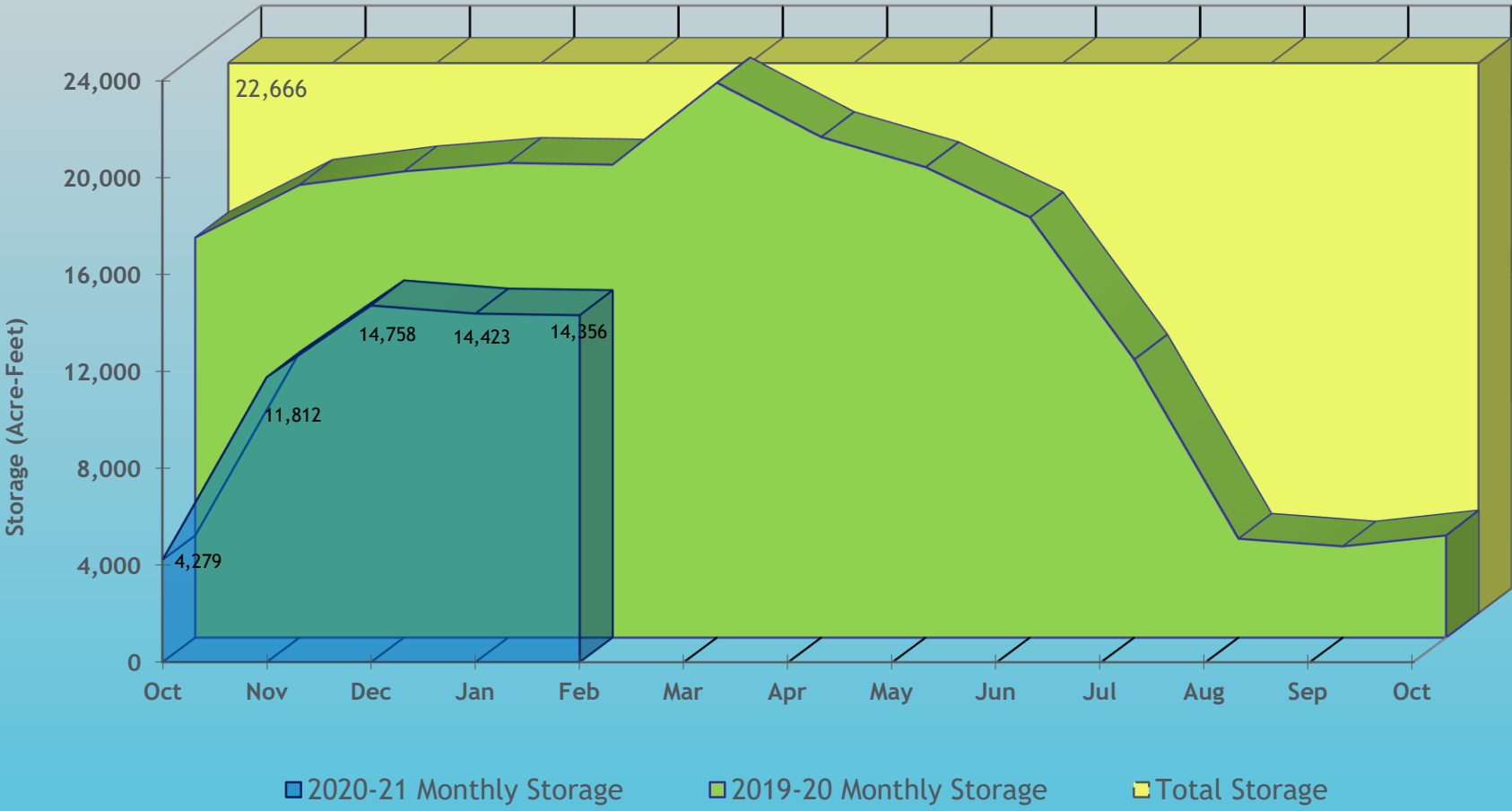


February Reservoir Change in Storage IY2020 versus IY2021

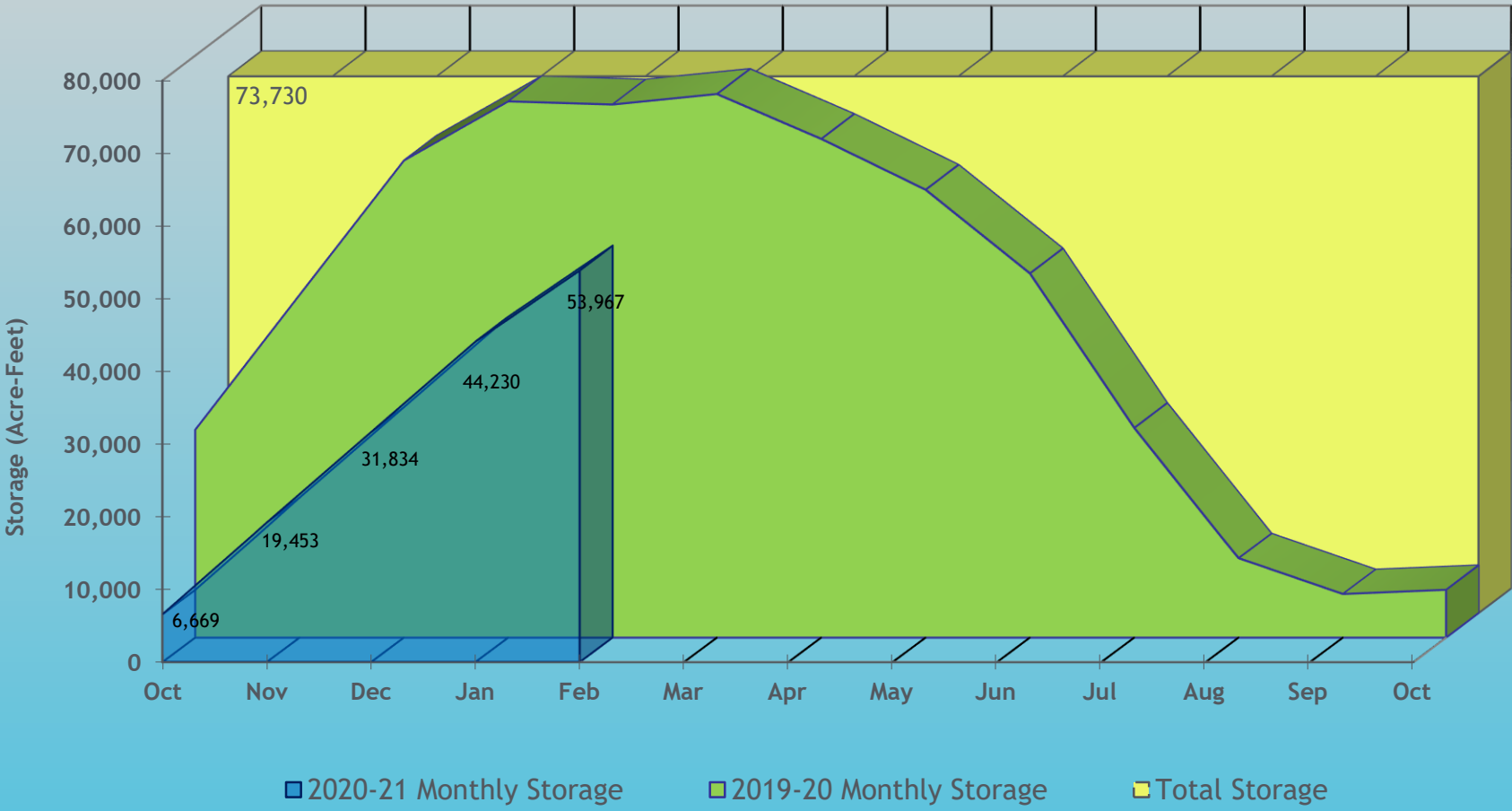


■ END OF MONTH 2021
 ■ END OF MONTH 2020
 ■ FULL ALLOWABLE CAPACITY

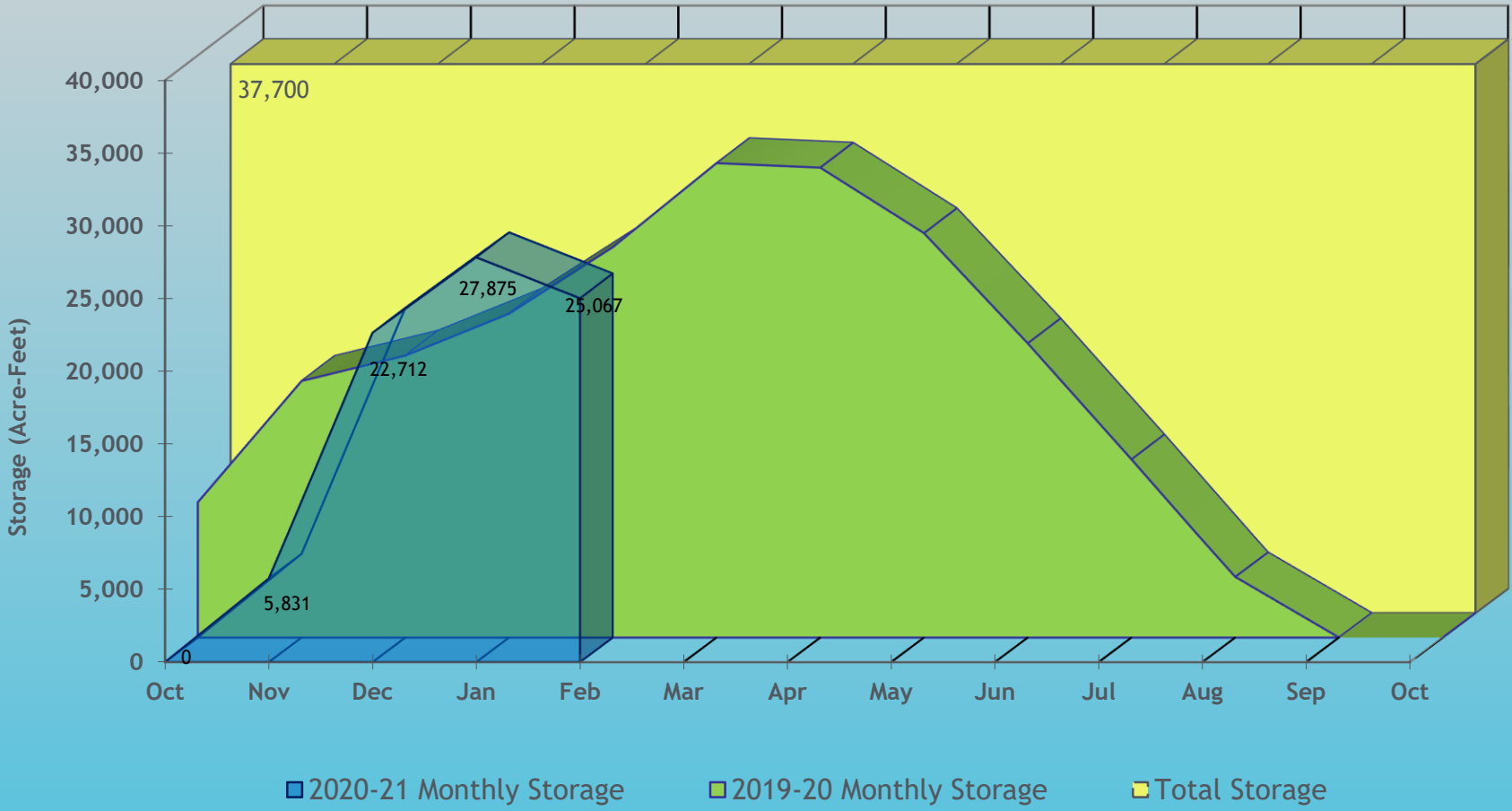
Julesburg Reservoir (District 64 - Agricultural)



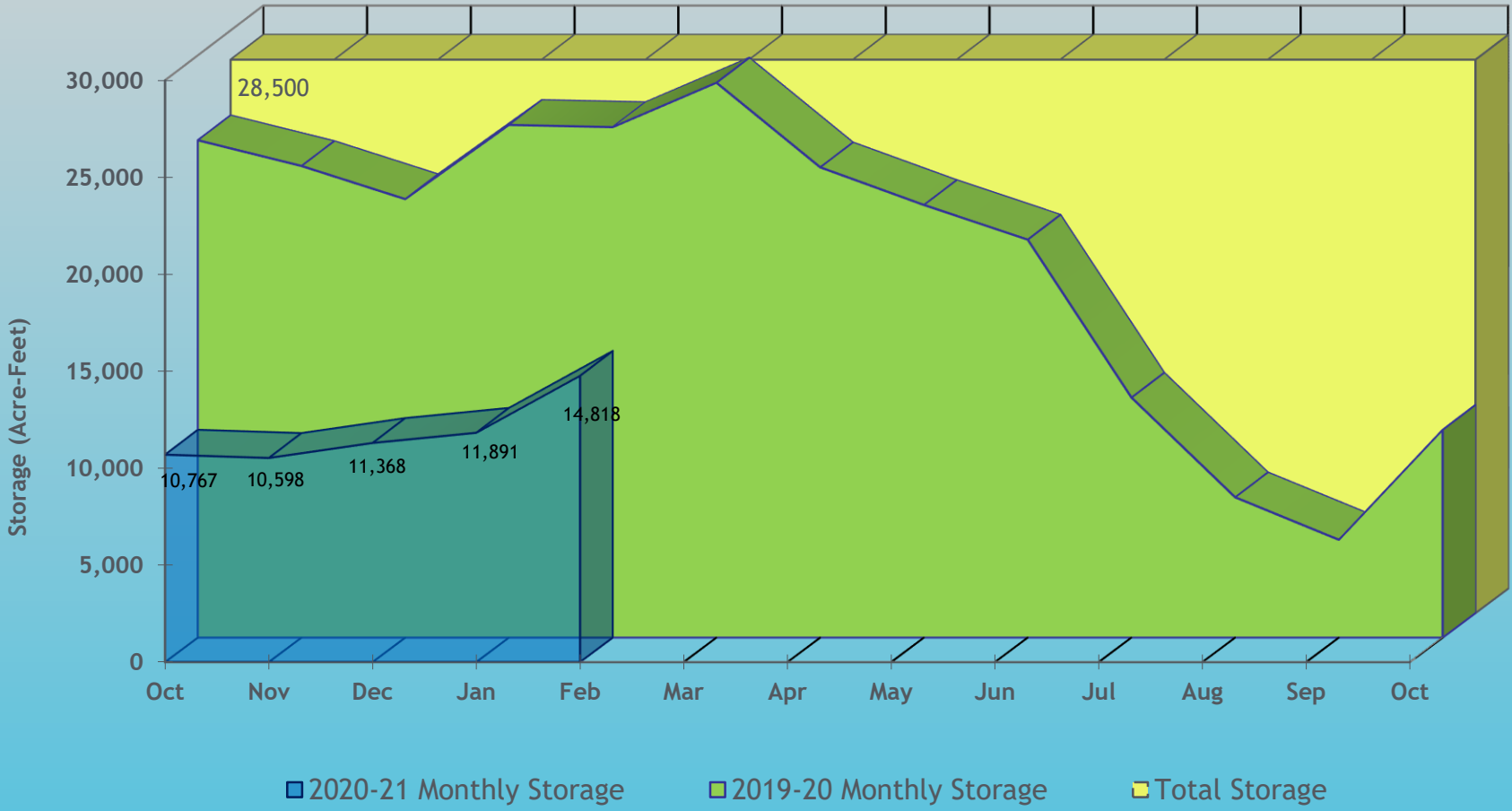
North Sterling Reservoir (District 64 - Agricultural)



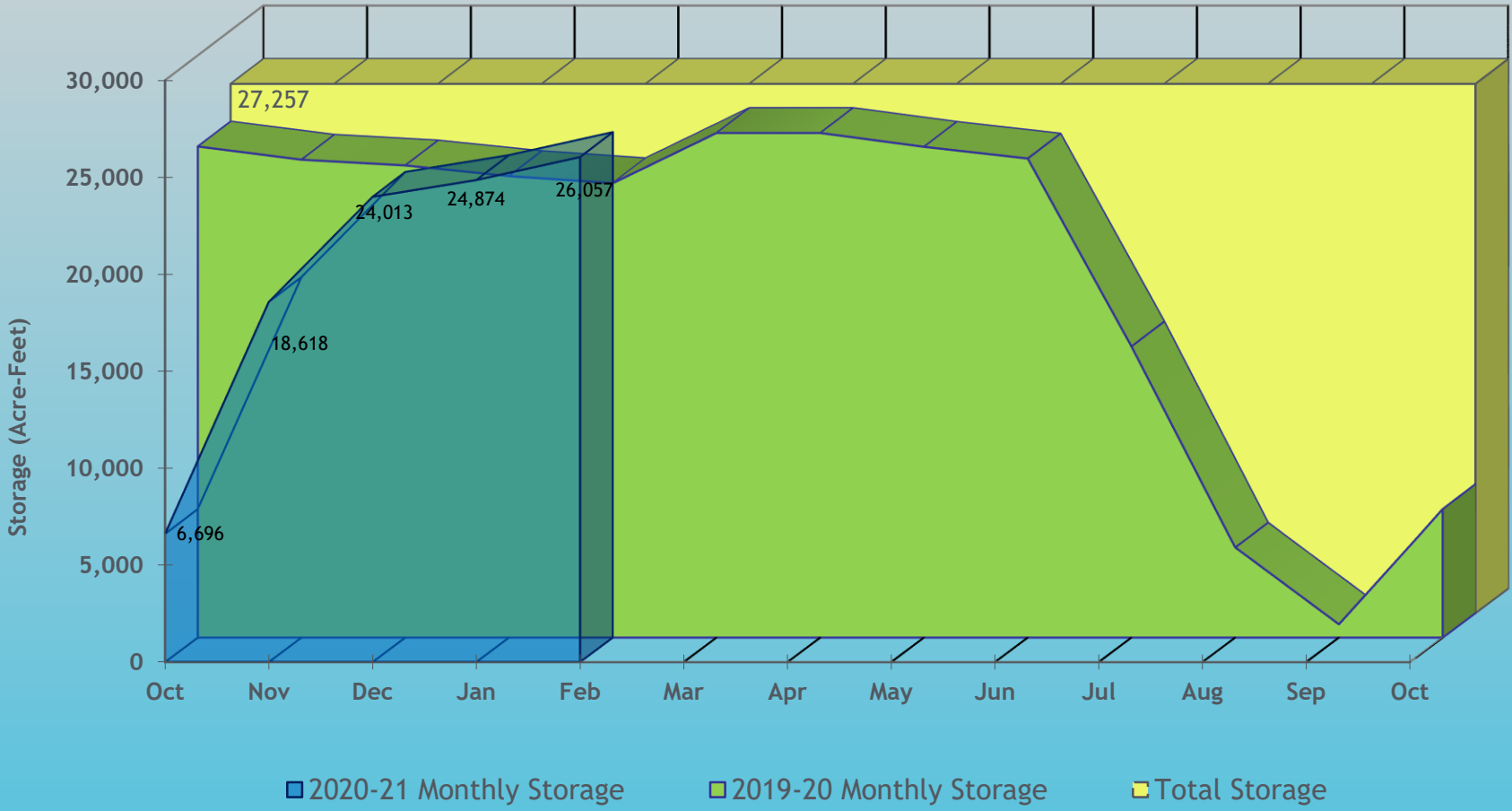
Empire Reservoir (District 1 - Agricultural)



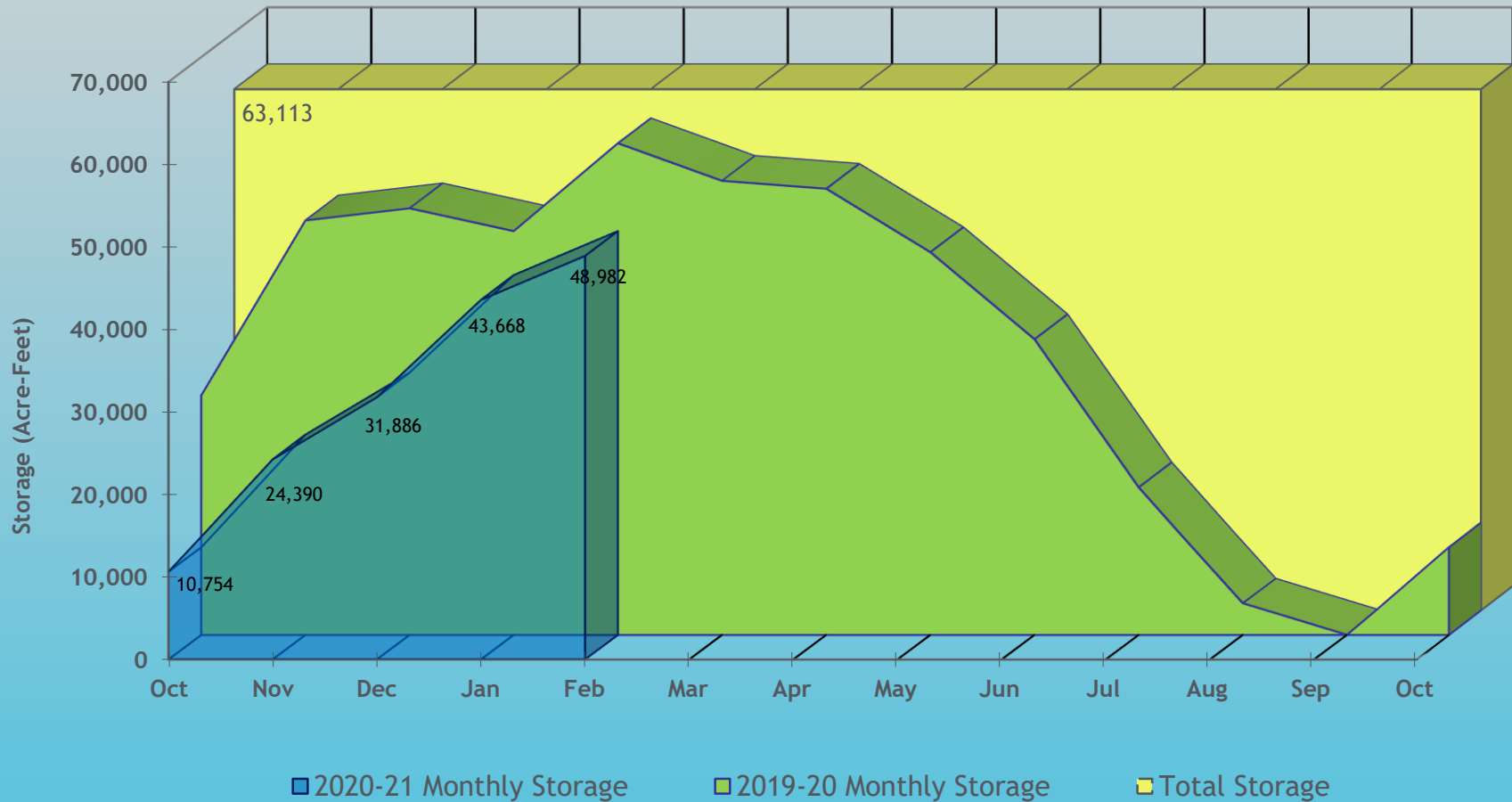
Prewitt Reservoir (District 64 - Agricultural)



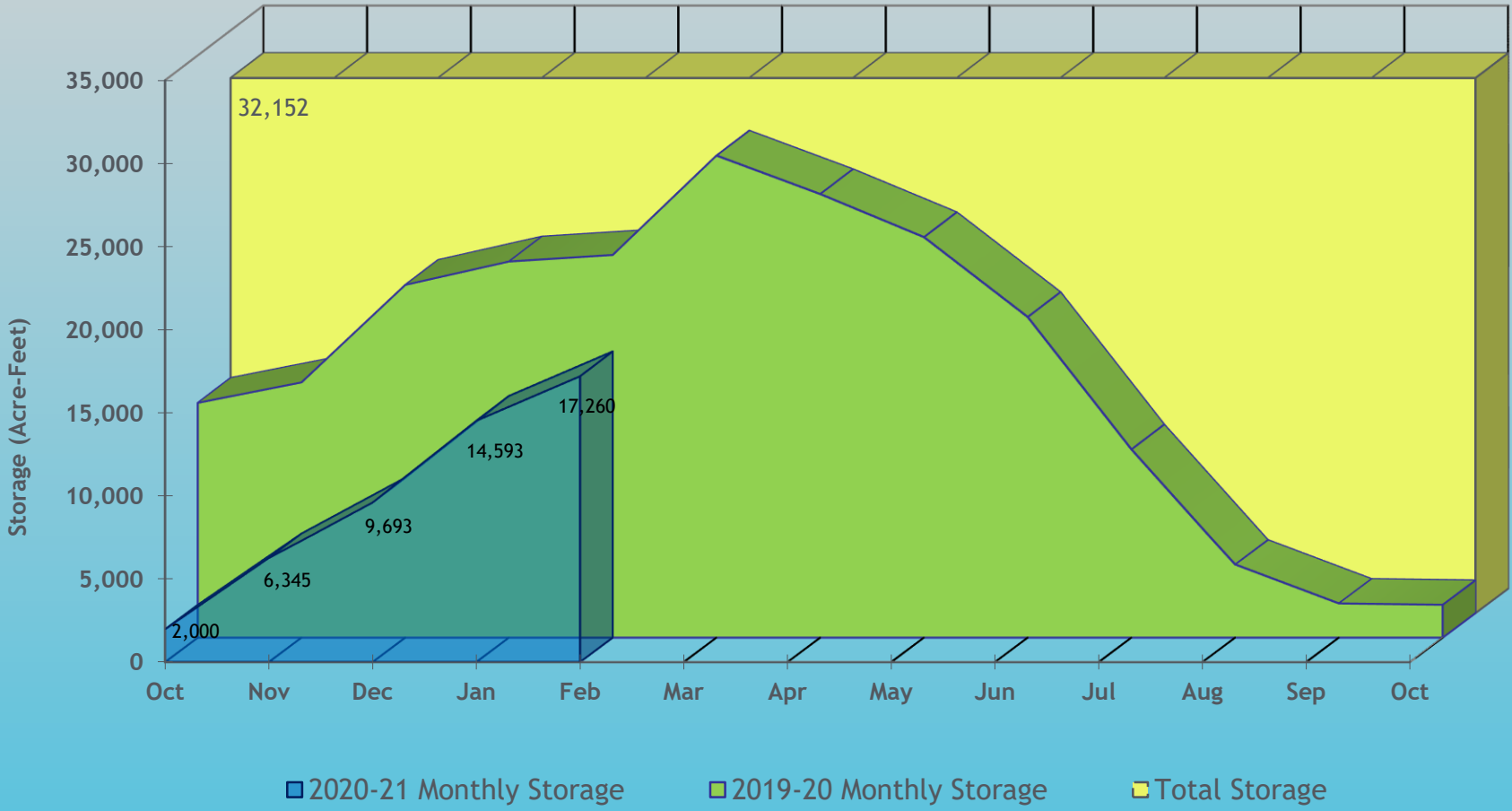
Jackson Reservoir (District 1 - Agricultural)



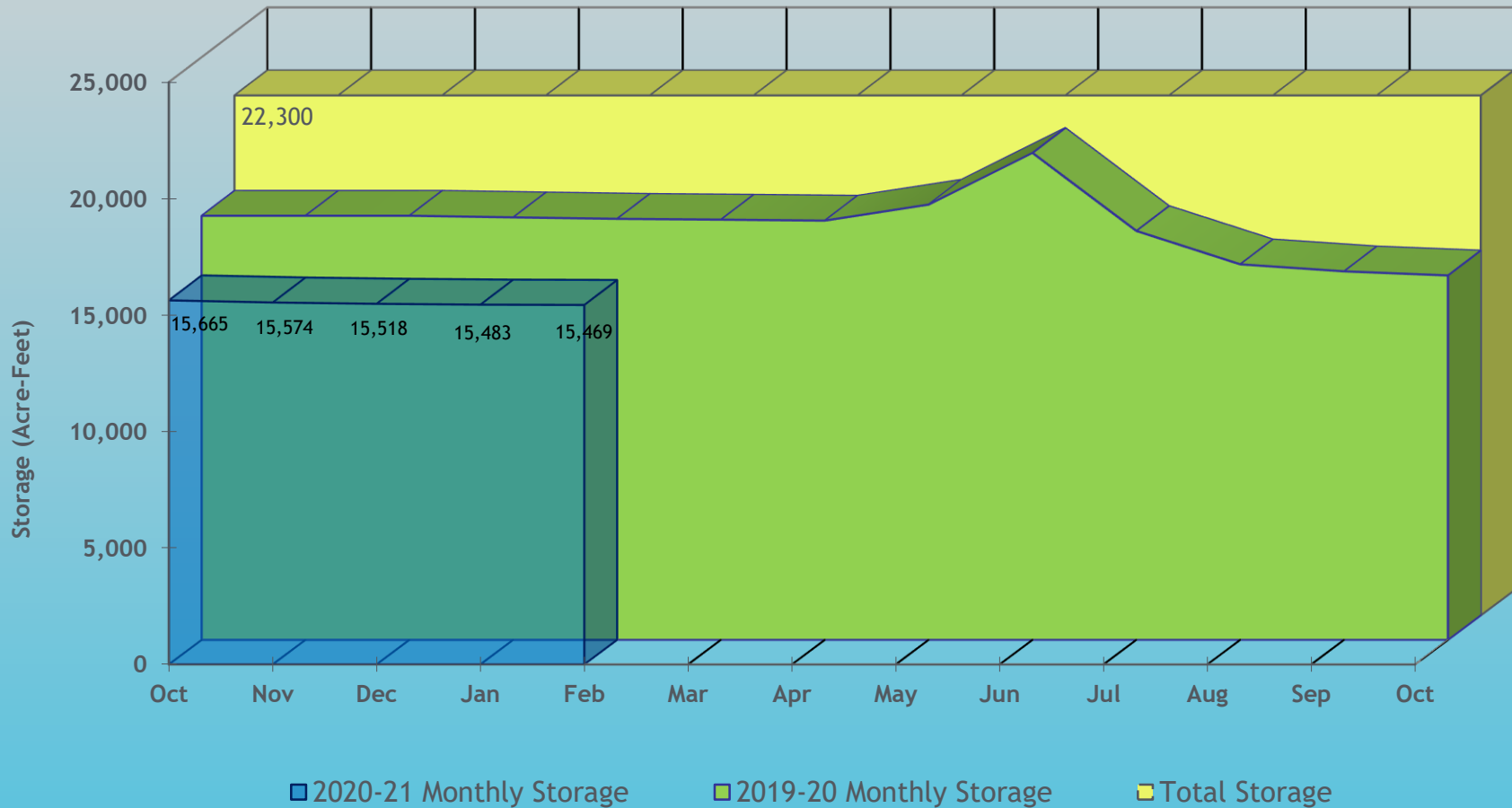
Riverside Reservoir (District 1 - Agricultural)



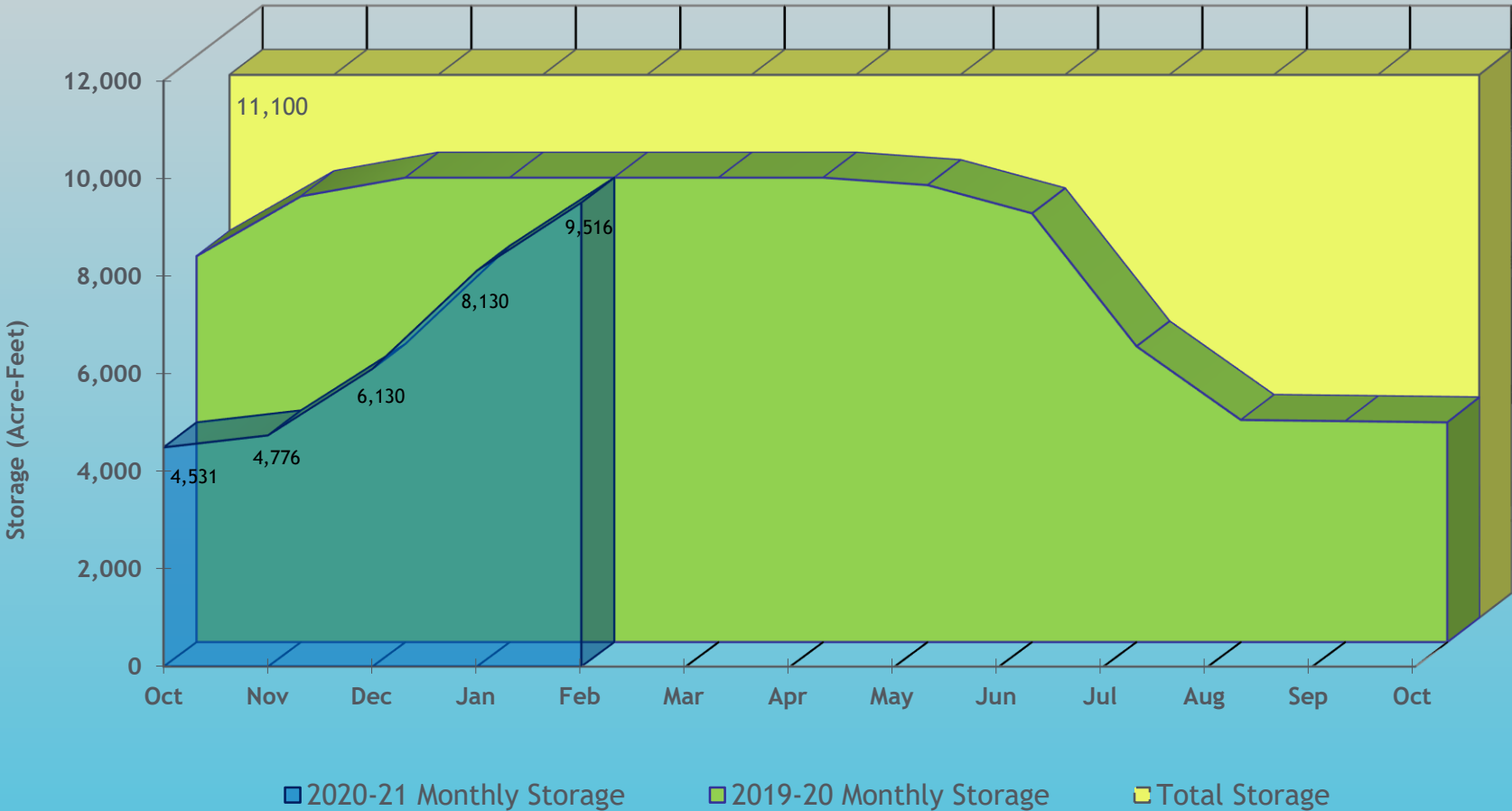
Barr Reservoir (District 2 - Agricultural)



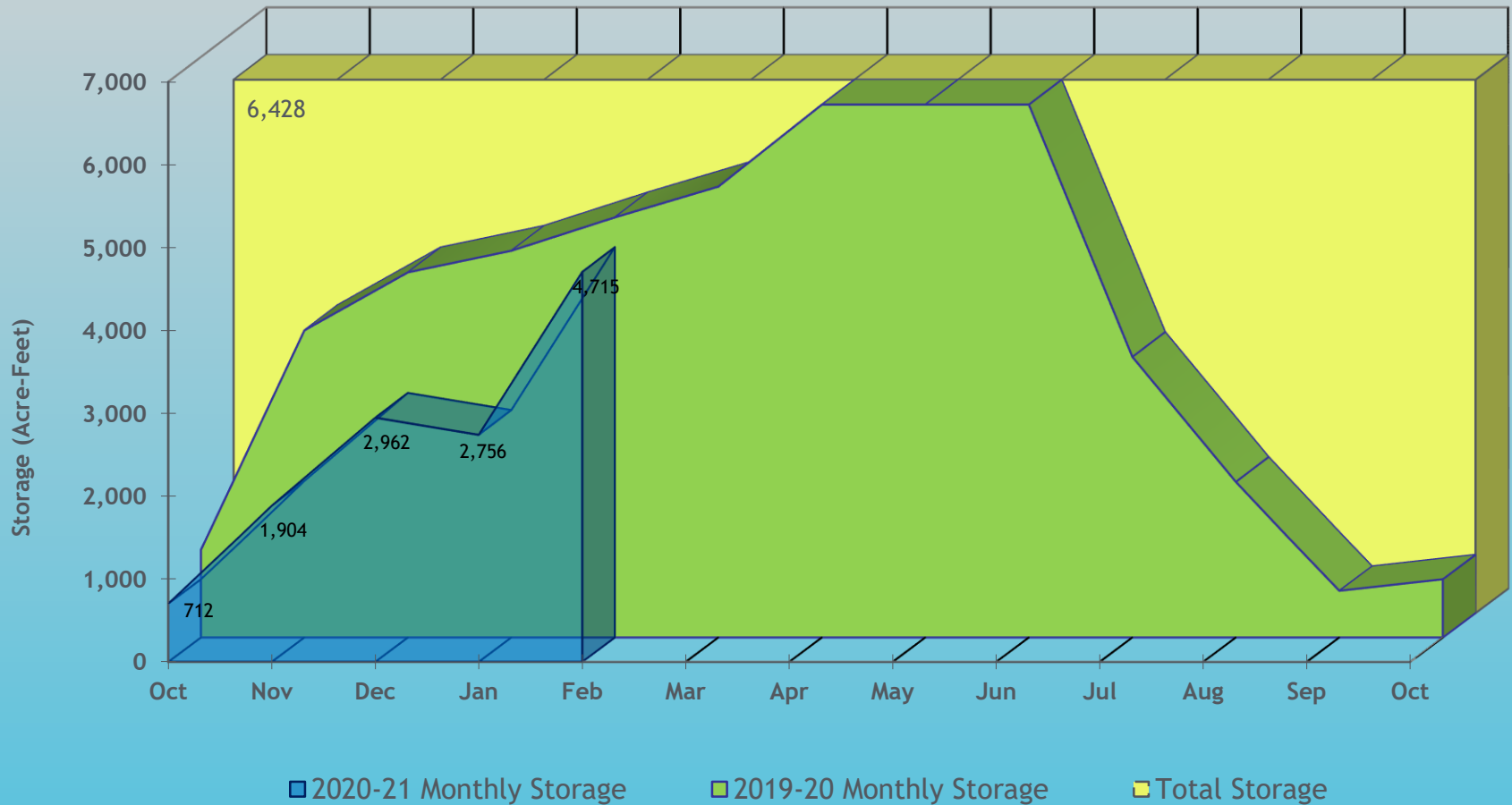
Cobb Reservoir (District 3, Poudre River - Agricultural)



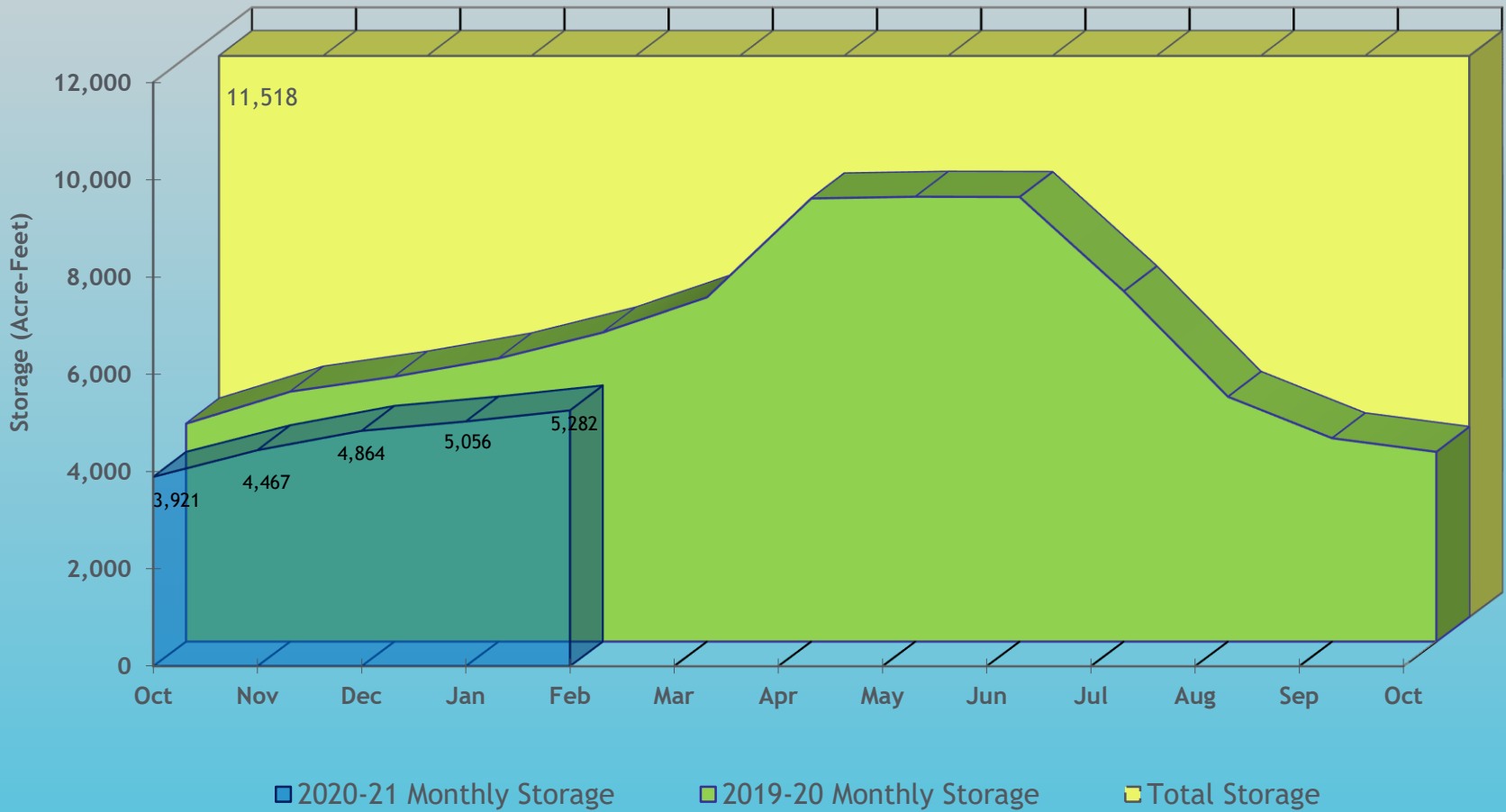
Fossil Creek Reservoir (District 3, Poudre River - Agricultural)



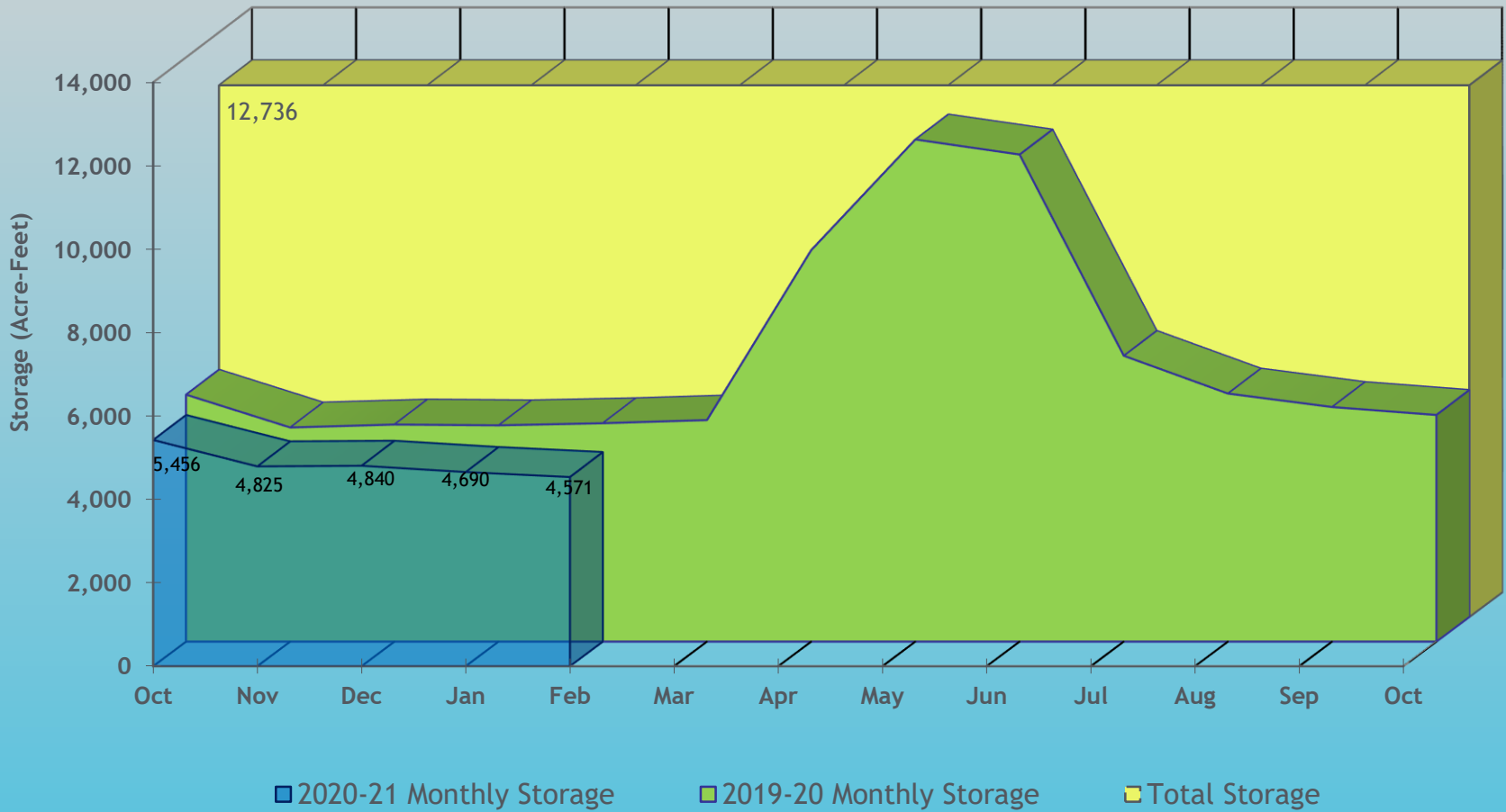
Halligan Reservoir (District 3, Poudre River - Agricultural)



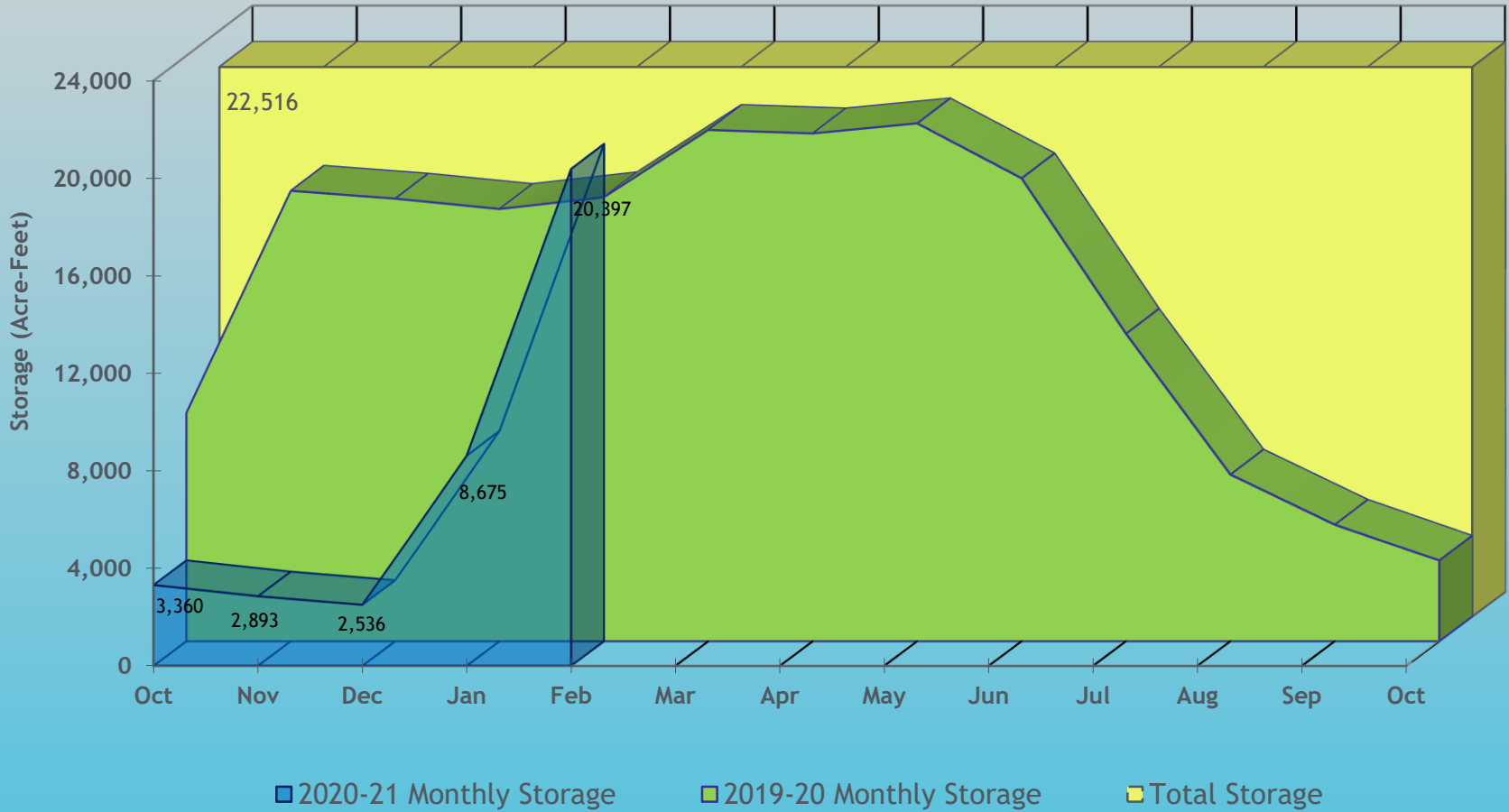
Marshall Lake (District 6, Boulder Creek - Agricultural)



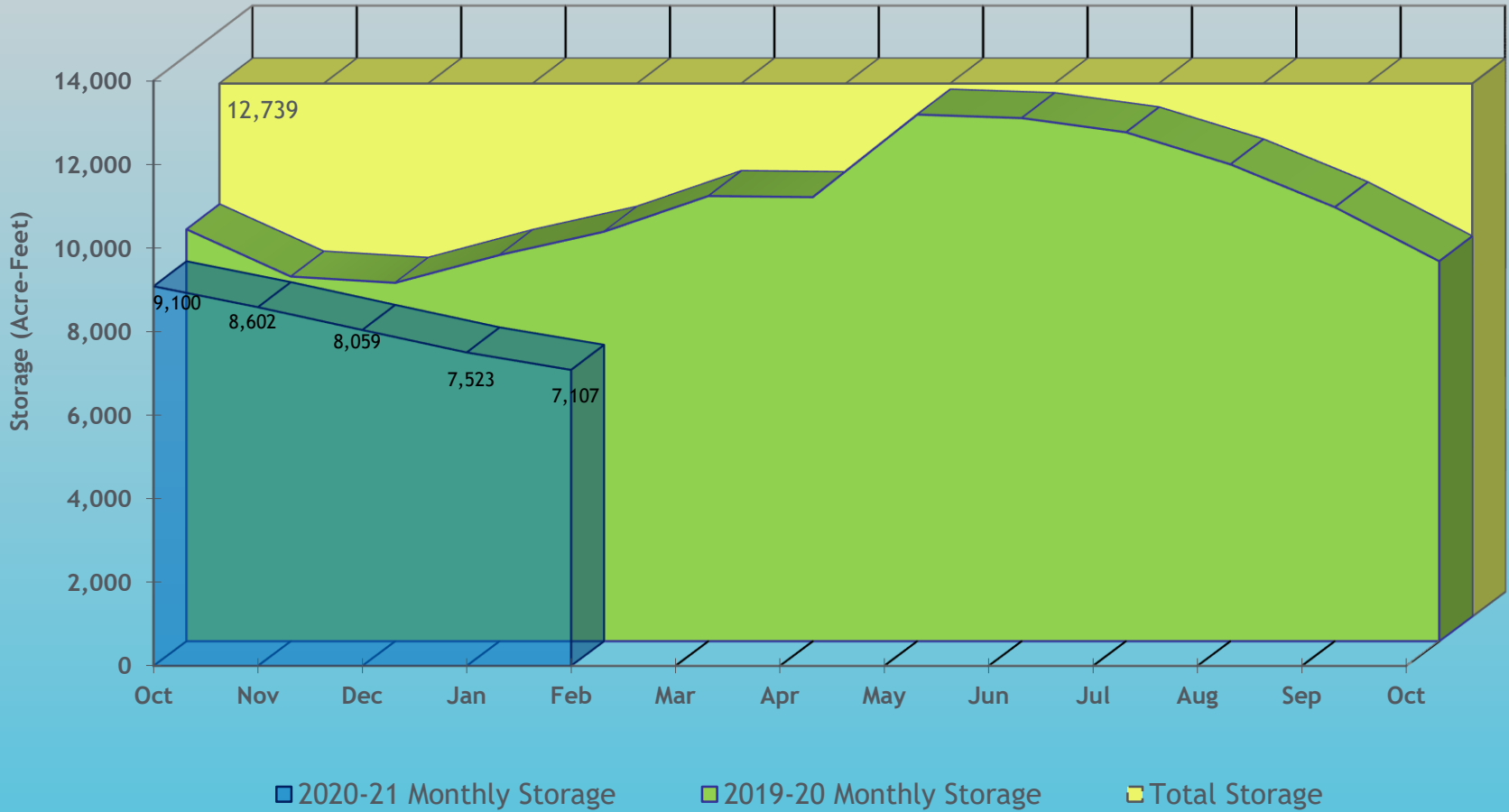
Loveland Greeley Reservoir (District 4, Big Thompson River - Agricultural)



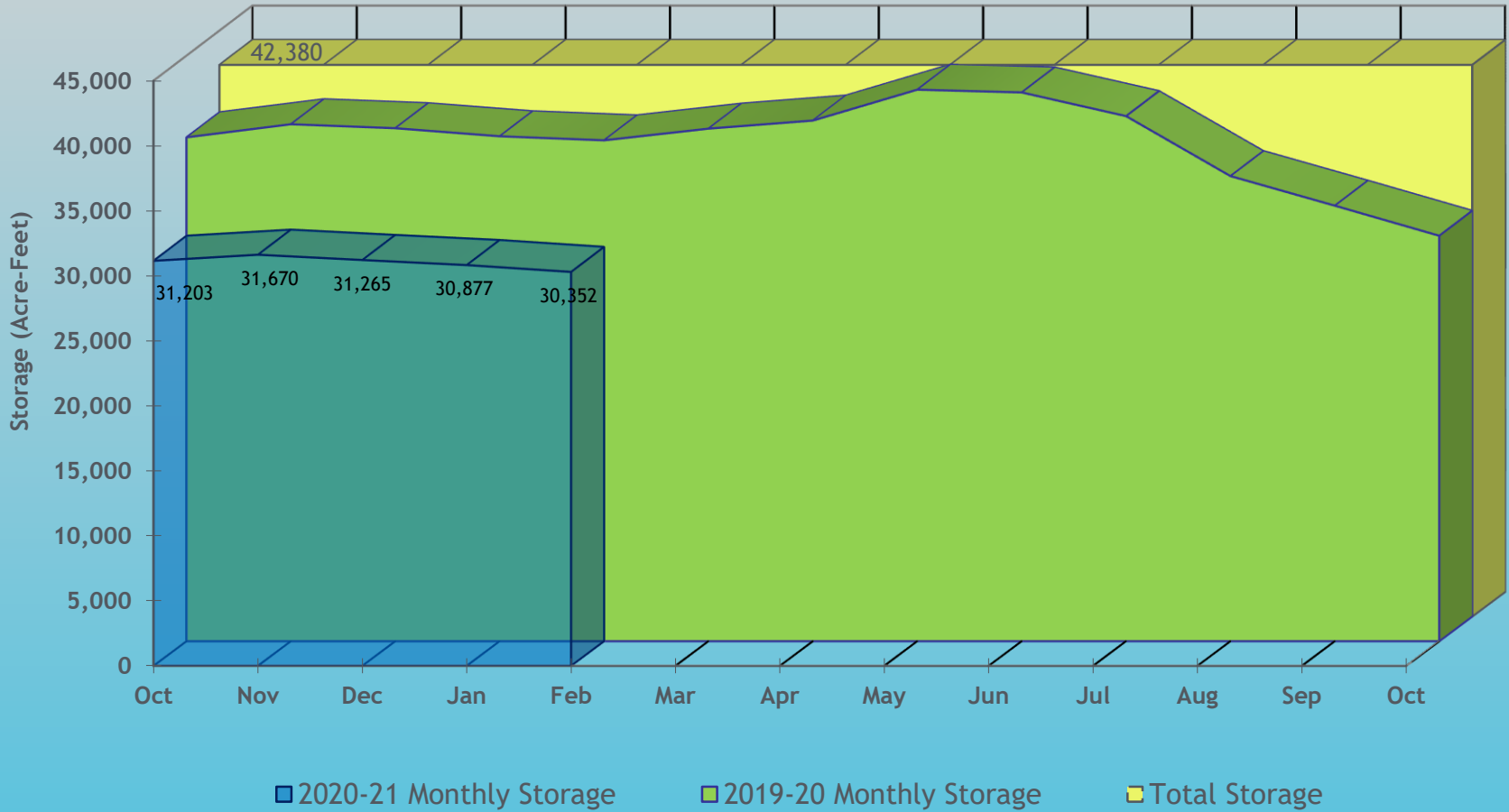
Milton Reservoir (District 2 - Agricultural)



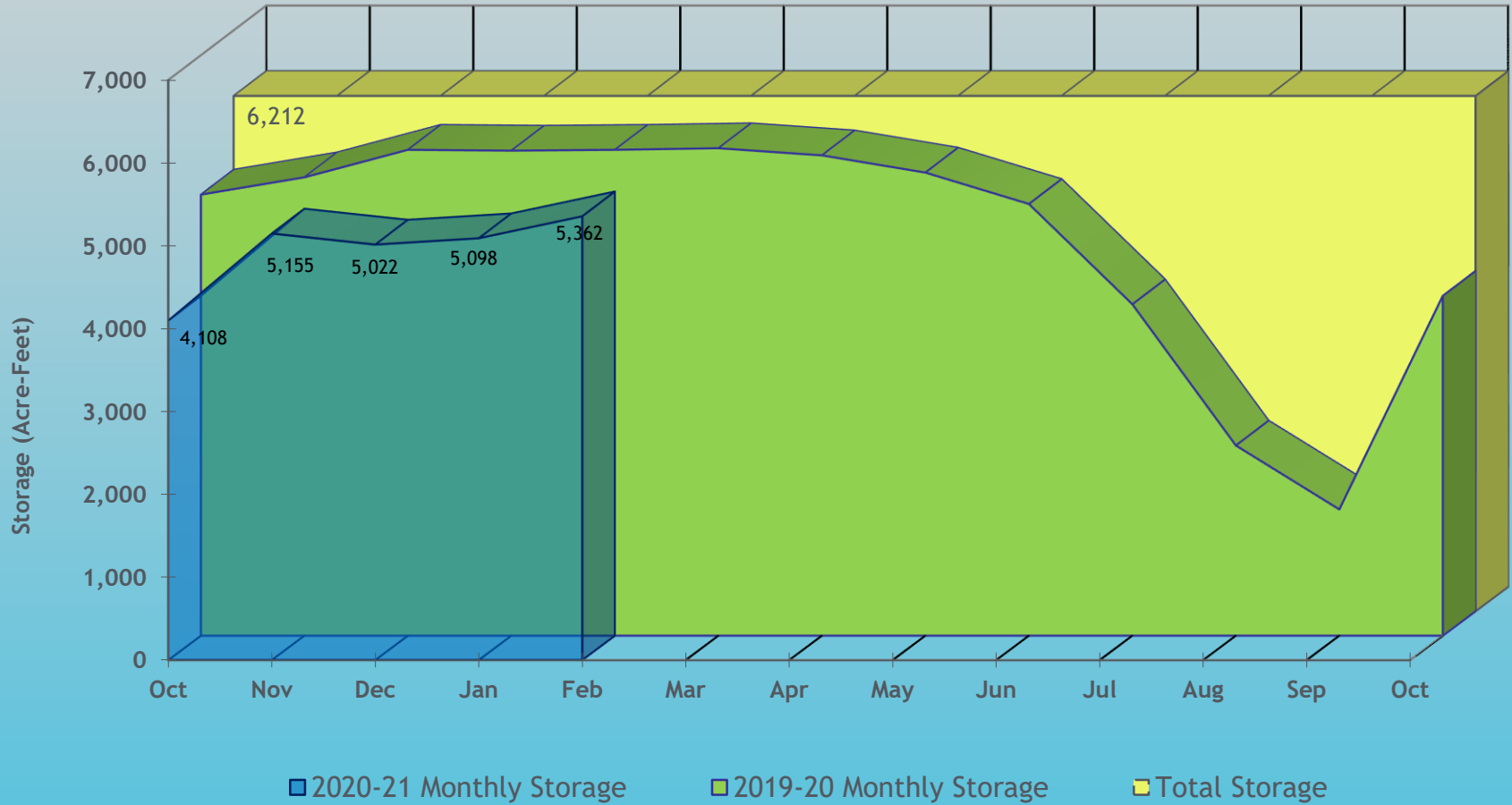
Union Reservoir (District 5, St. Vrain Creek - Agricultural)



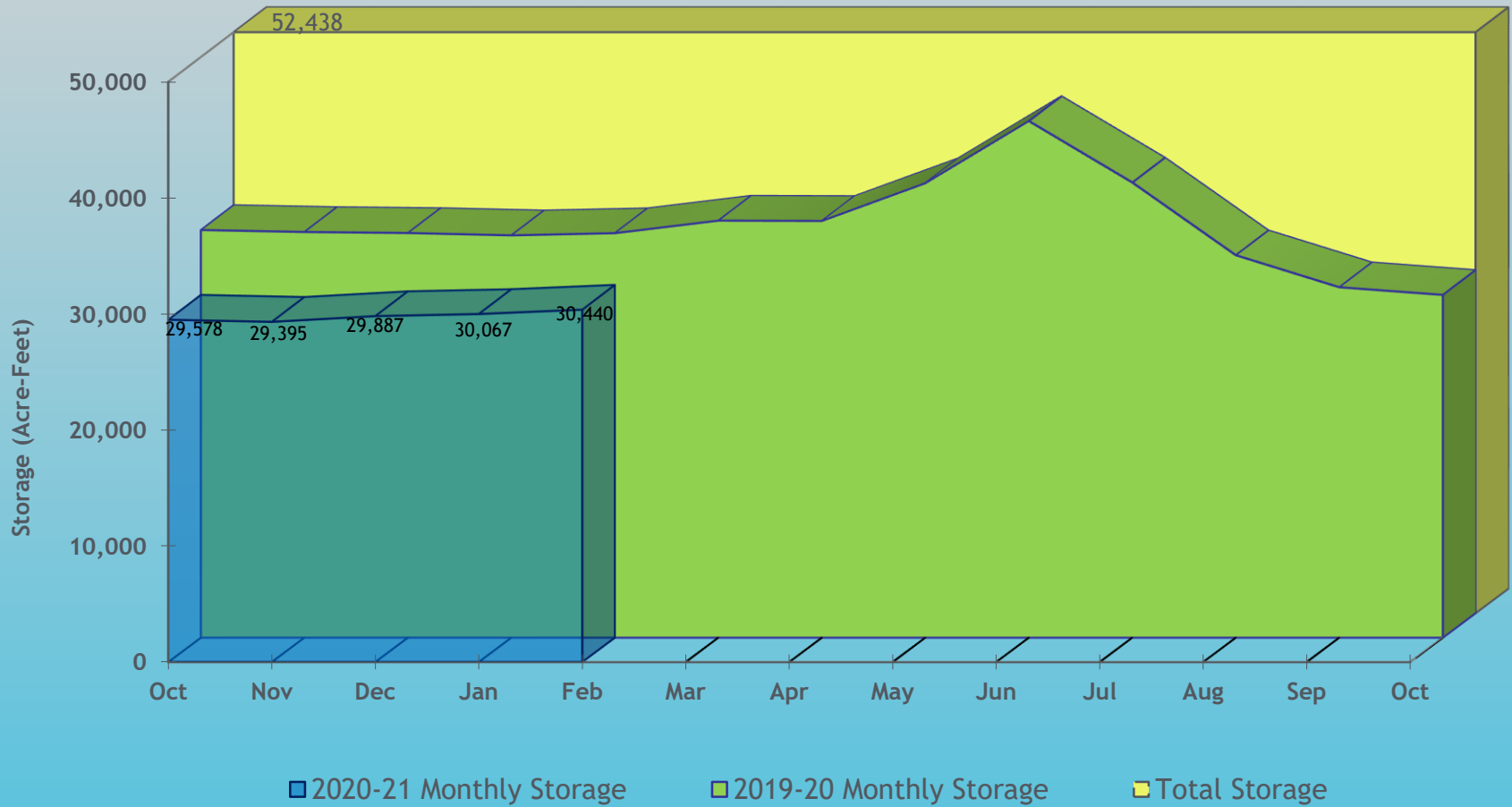
Standley Lake (Agricultural)



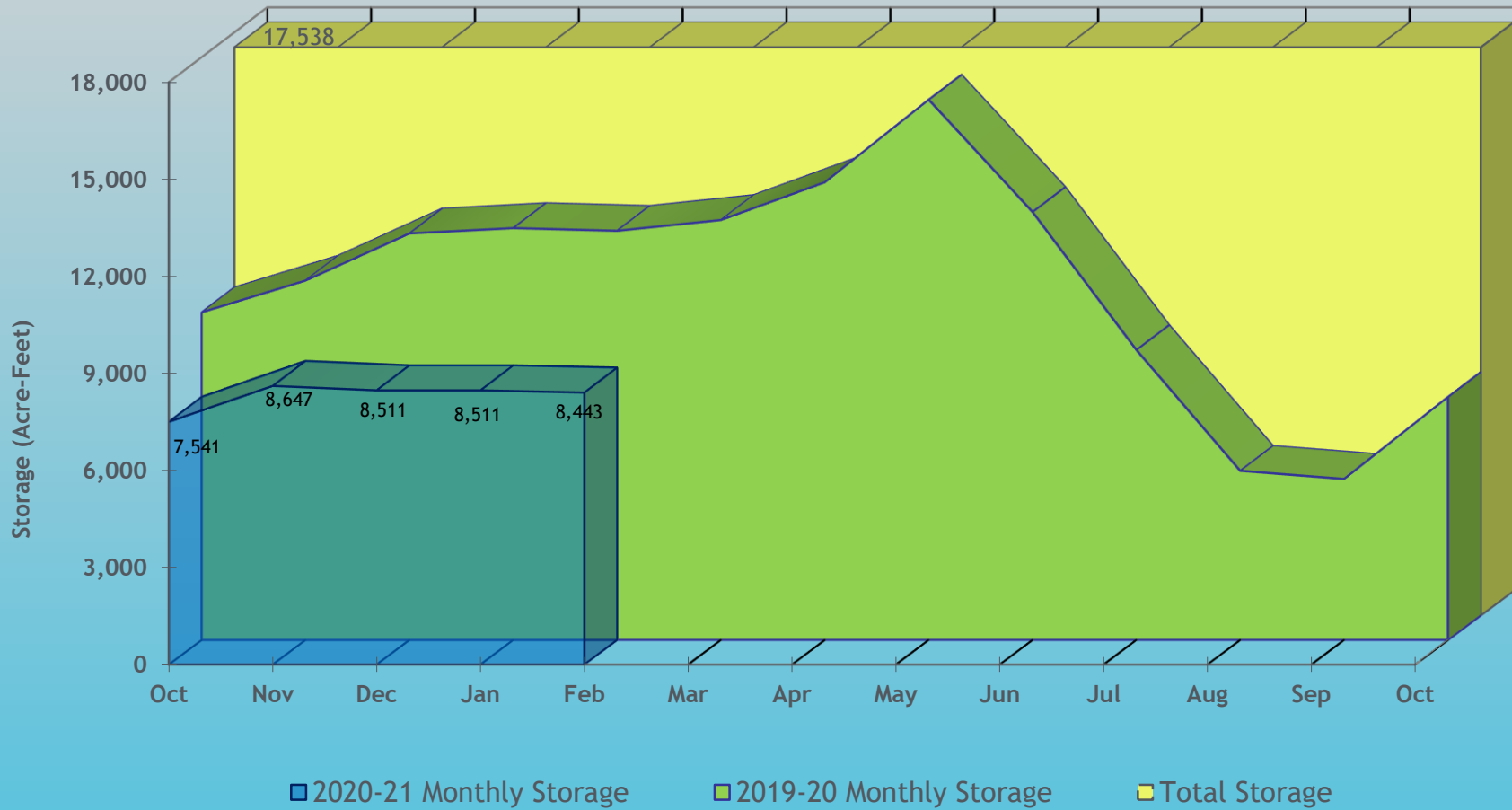
Lower Latham Reservoir (District 2 - Agricultural)



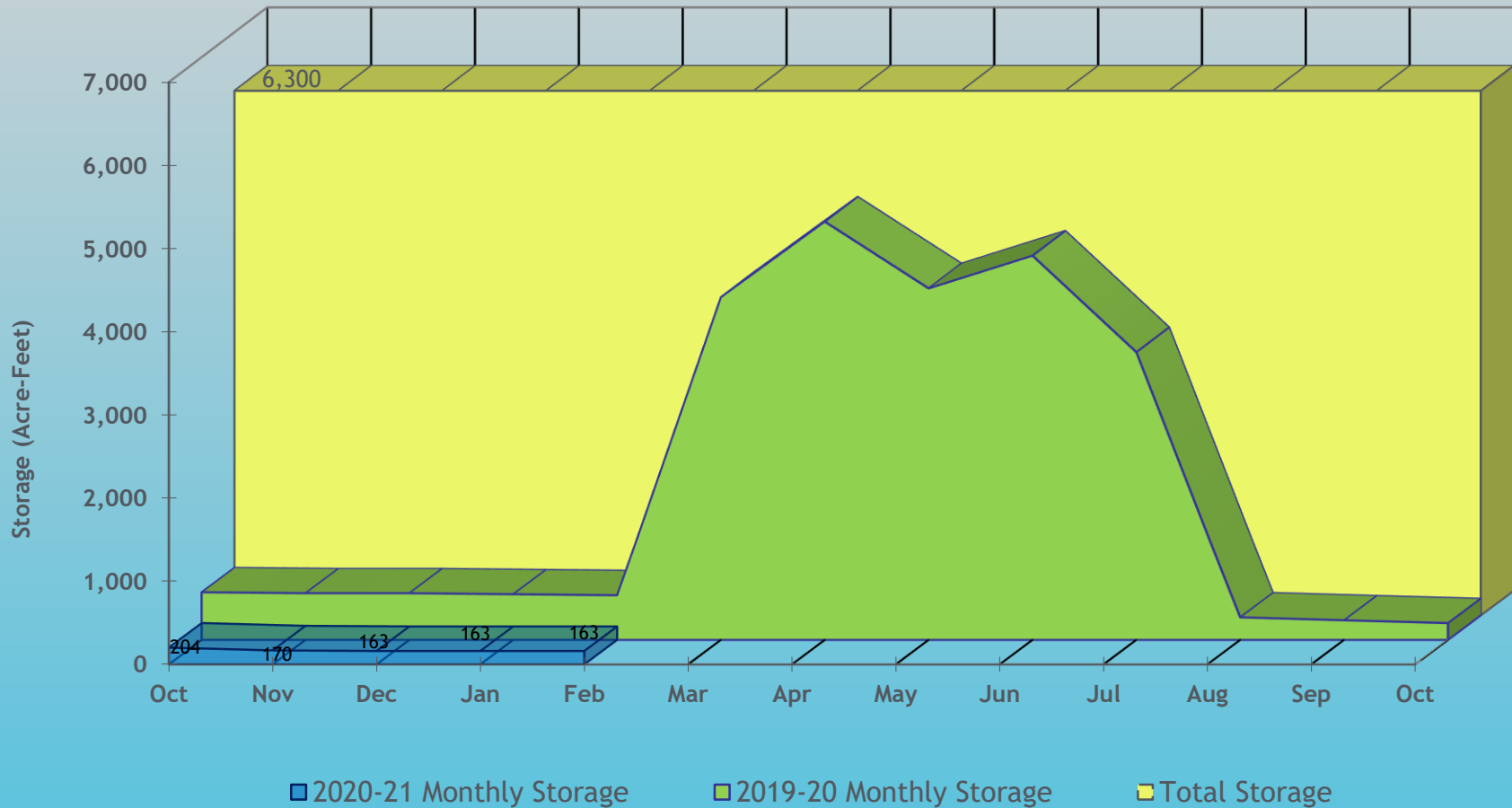
Boyd Lake (District 4, Big Thompson River - Agricultural)



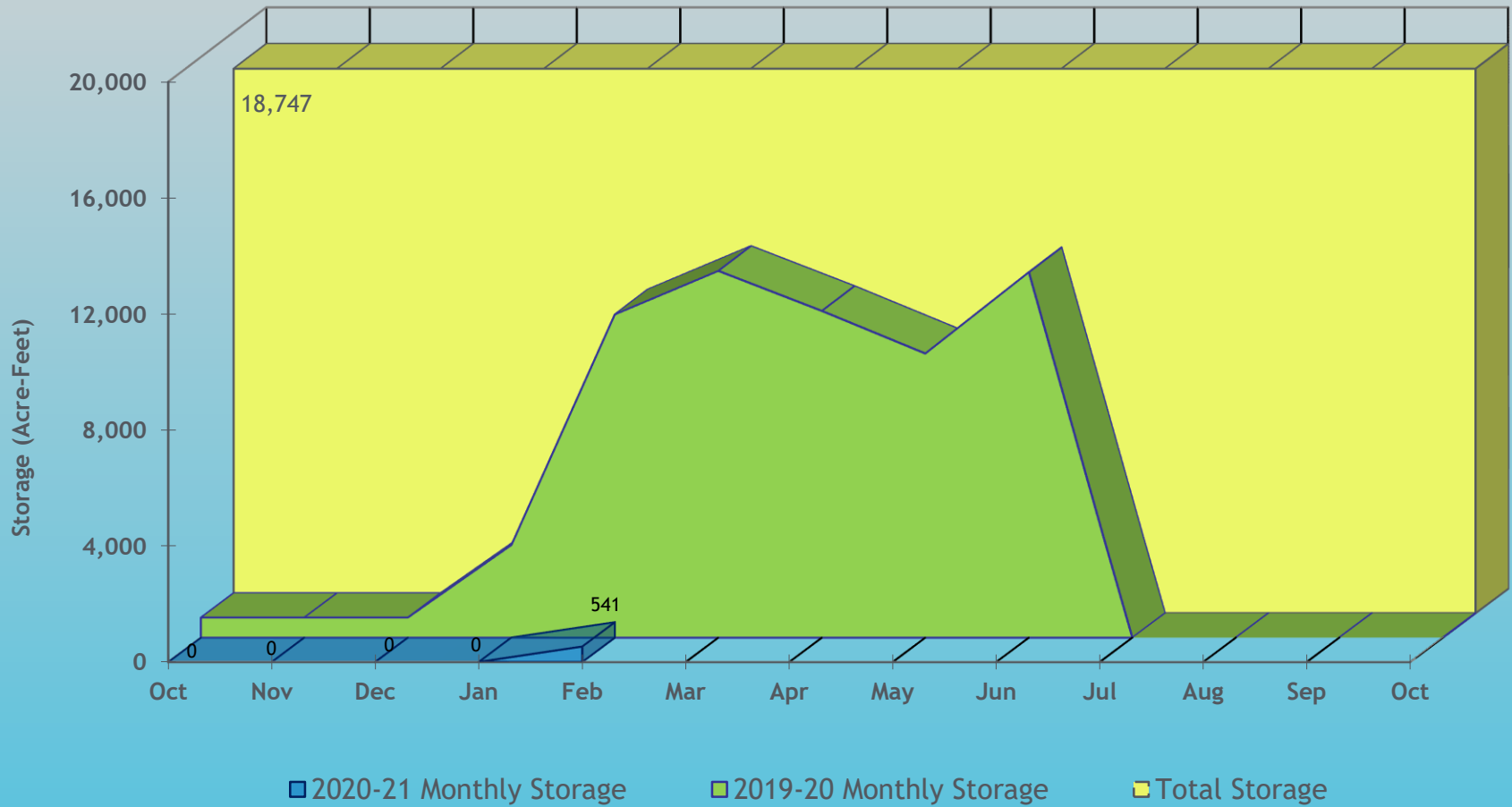
Windsor Reservoir (District 3, Poudre River - Agricultural)



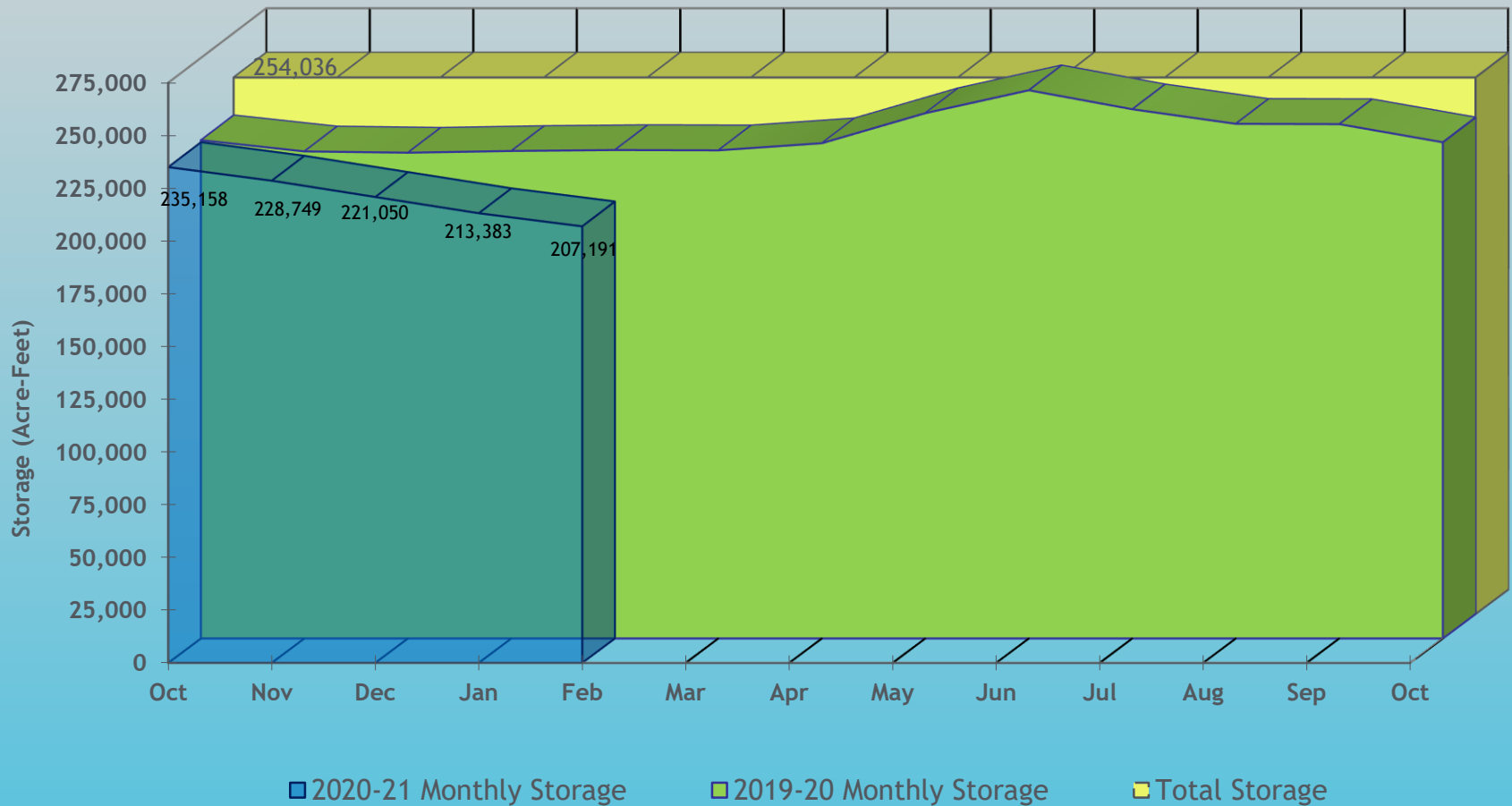
Prospect Reservoir (District 1 - Agricultural)



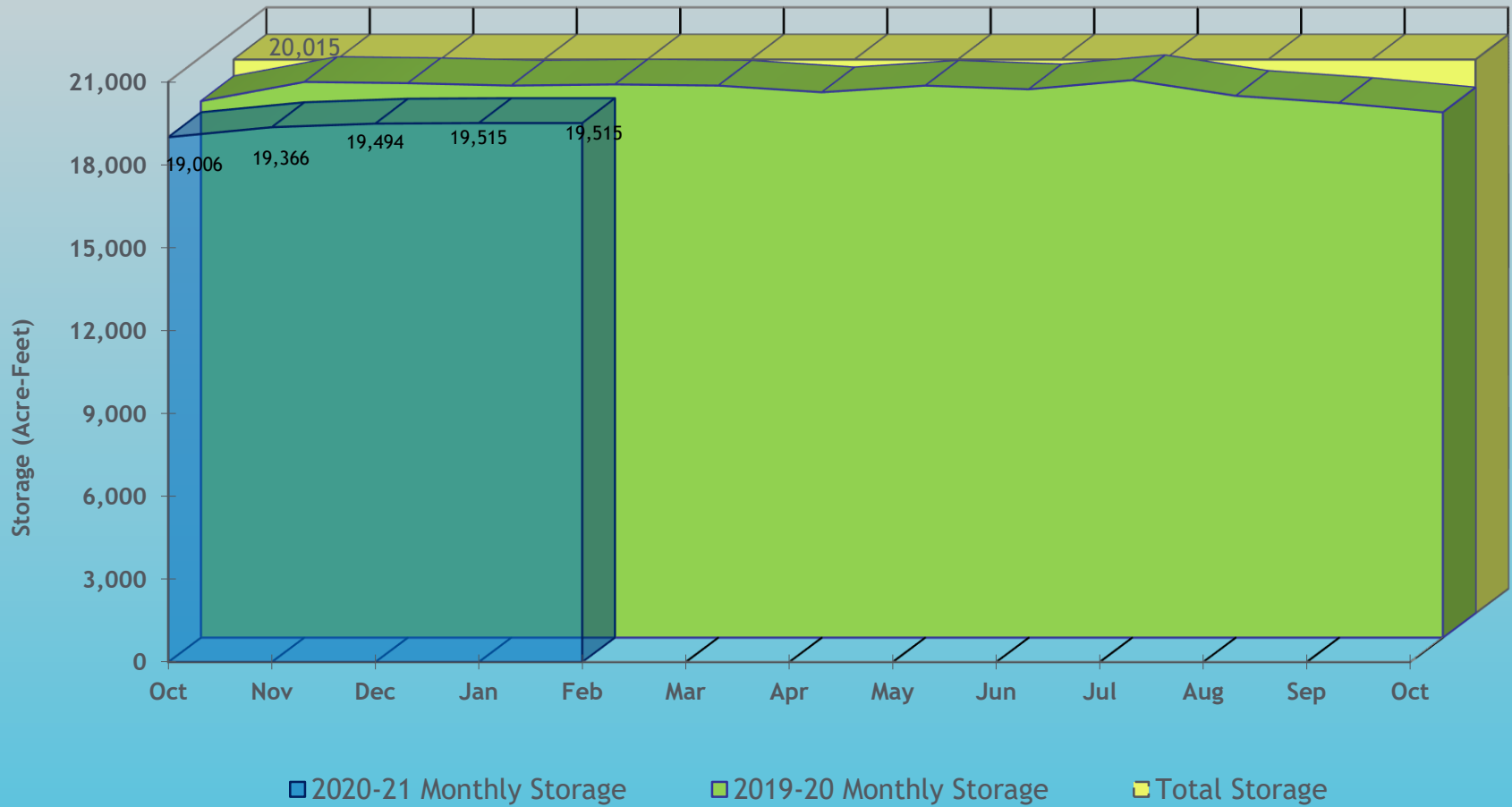
Horse Creek Reservoir (District 1 - Agricultural)



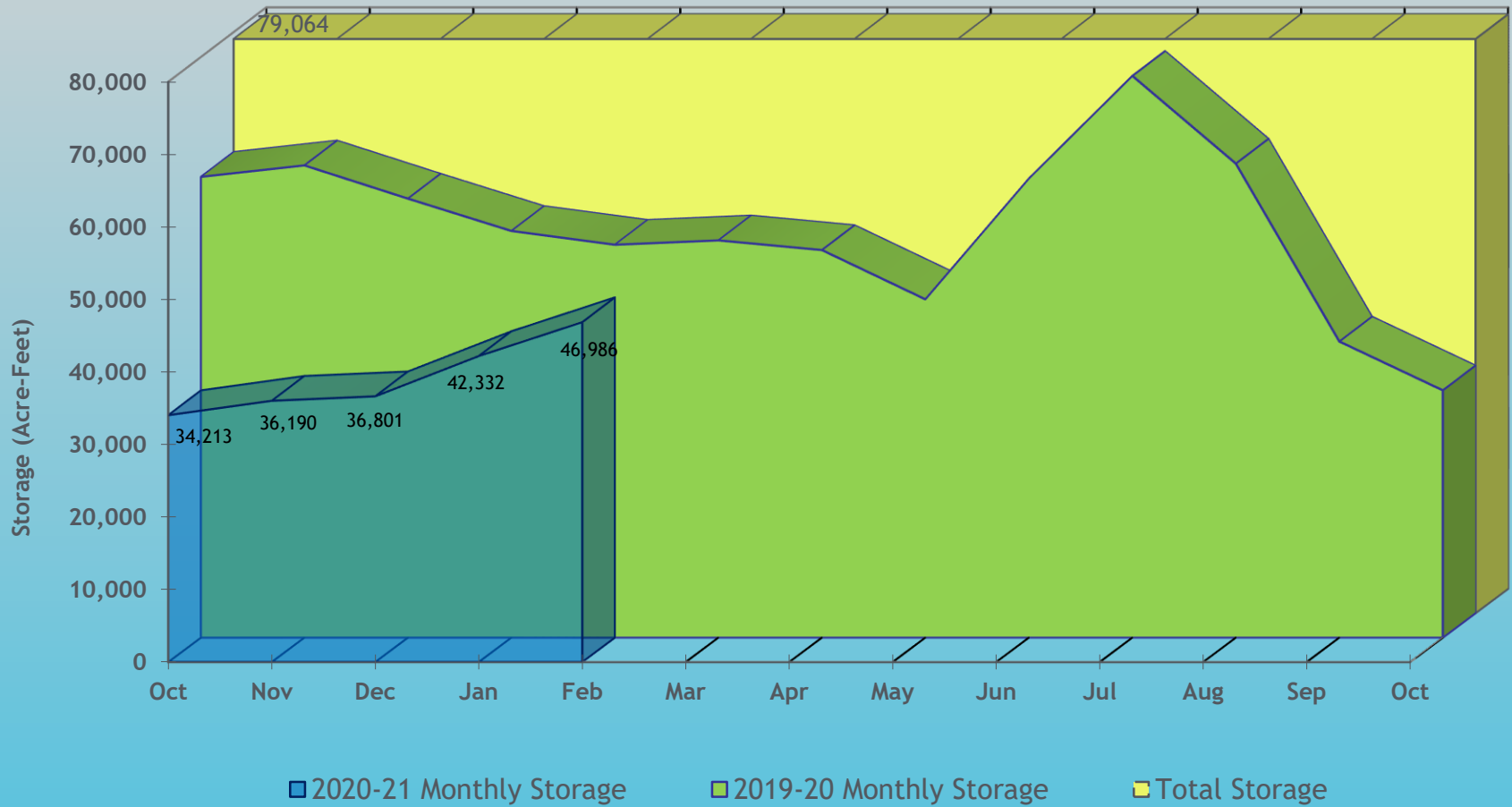
Dillon Reservoir (District 1 - Municipal)



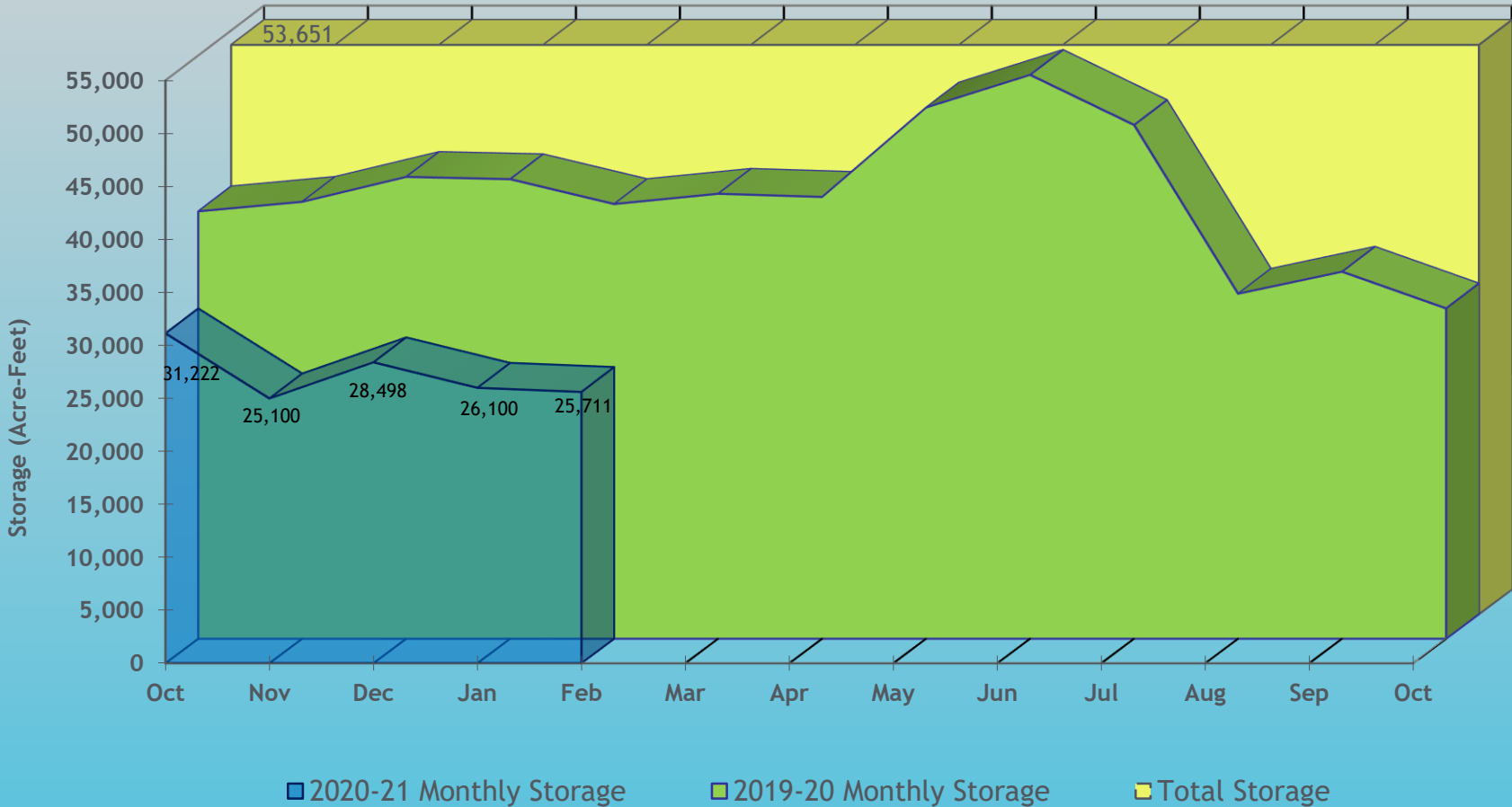
Antero Reservoir (District 23 - Municipal)



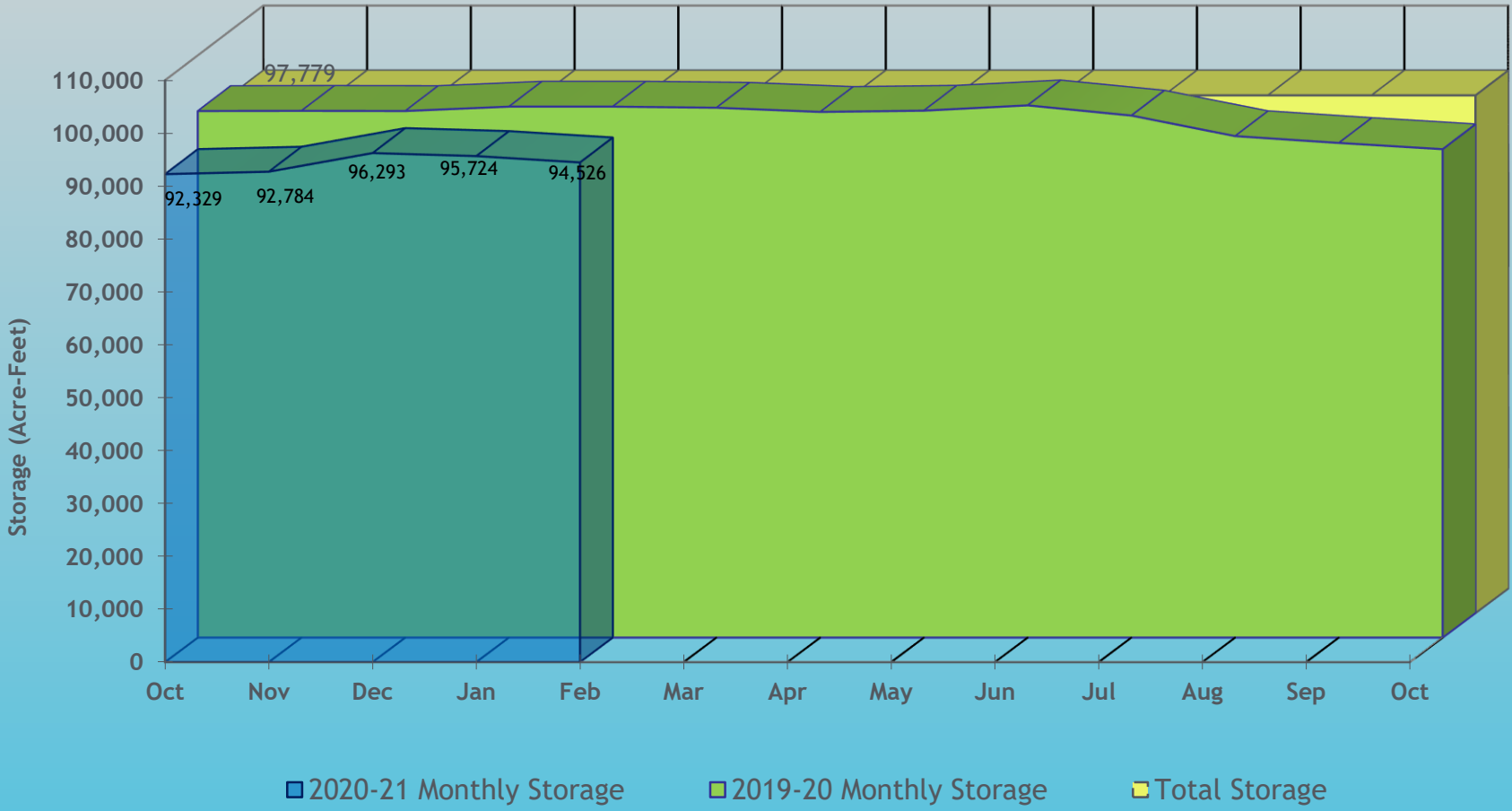
Cheesman Reservoir (District 80 - Municipal)



Spinney Mountain Reservoir (District 23 - Municipal)



Eleven Mile Reservoir (District 23 - Municipal)



Lake Granby

