



**COLORADO**  
Division of Water Resources  
Department of Natural Resources

## South Platte Summary June 2021

Compiled by Lee Cunning, P.E.



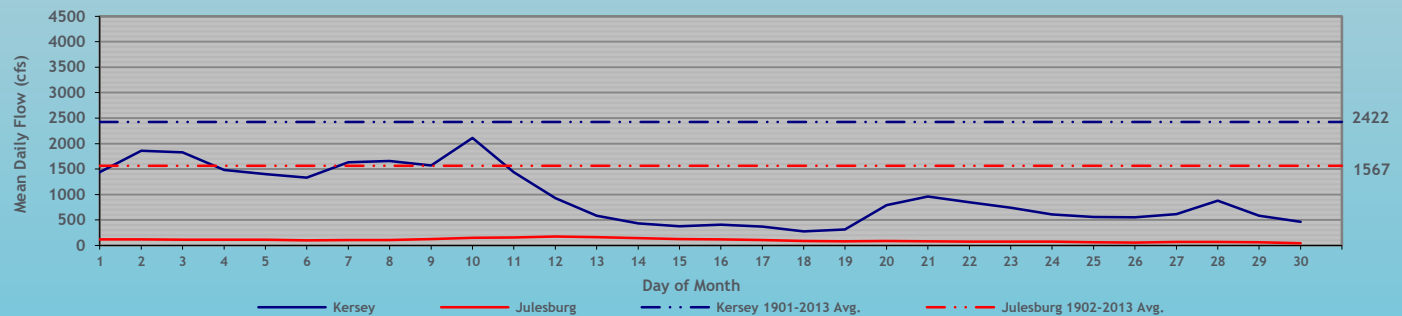
# COLORADO DIVISION OF WATER RESOURCES, DIVISION 1

## MONTH OF June 2021

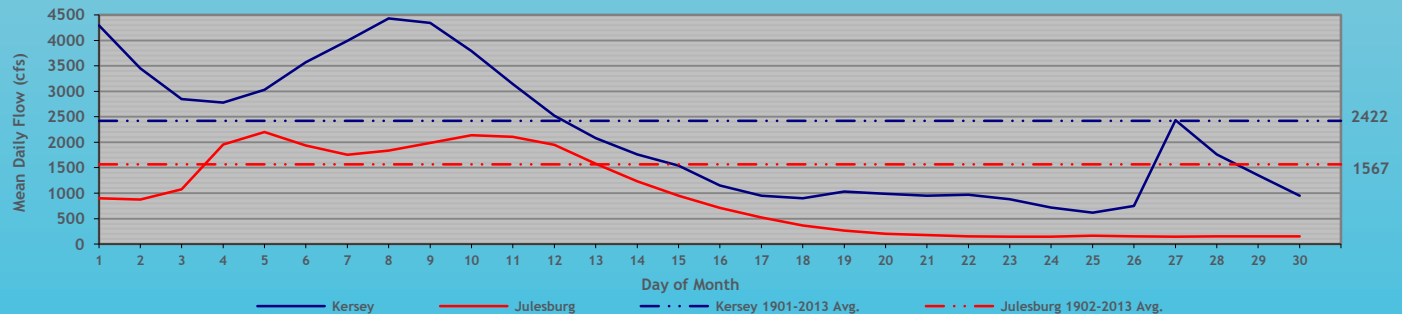
RESERVOIR	FULL ALLOWABLE CAPACITY (ACRE FEET)	FIRST OF MONTH (ACRE FEET)	END OF MONTH (ACRE FEET)	DISTRICT	CHANGE IN STORAGE (ACRE FEET)	% CHANGE IN STORAGE BASED ON FIRST OF MONTH STORAGE	% OF CURRENT FULL ALLOWABLE CAPACITY	% OF CURRENT FULL ALLOWABLE CAPACITY THIS MONTH LAST YEAR	SURCHARGE (ACRE FEET)
JULESBURG	22,666	20,430	20,503	64	73	0%	90%	77%	0
N STERLING	73,730	71,020	60,949	64	-10,071	-14%	83%	68%	0
PREWITT	28,500	24,947	24,830	64	-117	0%	87%	72%	0
JACKSON	27,257	26,057	26,057	1	0	0%	96%	91%	0
EMPIRE	37,700	32,618	29,255	1	-3,363	-10%	78%	54%	0
RIVERSIDE	63,113	55,613	46,080	1	-9,533	-17%	73%	57%	0
BARR LAKE	32,152	29,926	26,963	2	-2,963	-10%	84%	60%	0
CHEESMAN	79,064	66,323	74,196	80	7,873	12%	94%	80%	0
ELEVEN MILE	97,779	96,967	99,899	23	2,932	3%	100%	100%	2,120
SPINNEY	53,651	41,232	53,838	23	12,606	31%	100%	99%	187
ANTERO	20,015	20,079	20,166	23	87	0%	100%	99%	151

RIVER GAGES	MEAN DAILY FLOW (CFS)
<b>KERSEY</b>	<b>2132</b>
<b>JULESBURG</b>	<b>937</b>
<b>THIS MONTH LAST YEAR</b>	
<b>KERSEY</b>	<b>968</b>
<b>JULESBURG</b>	<b>103</b>
<b>MEAN FOR PERIOD OF RECORD*</b>	
<b>KERSEY</b>	<b>2422</b>
<b>JULESBURG</b>	<b>1567</b>
*Kersey 1901 - 2016	
*Julesburg 1902 - 2016	

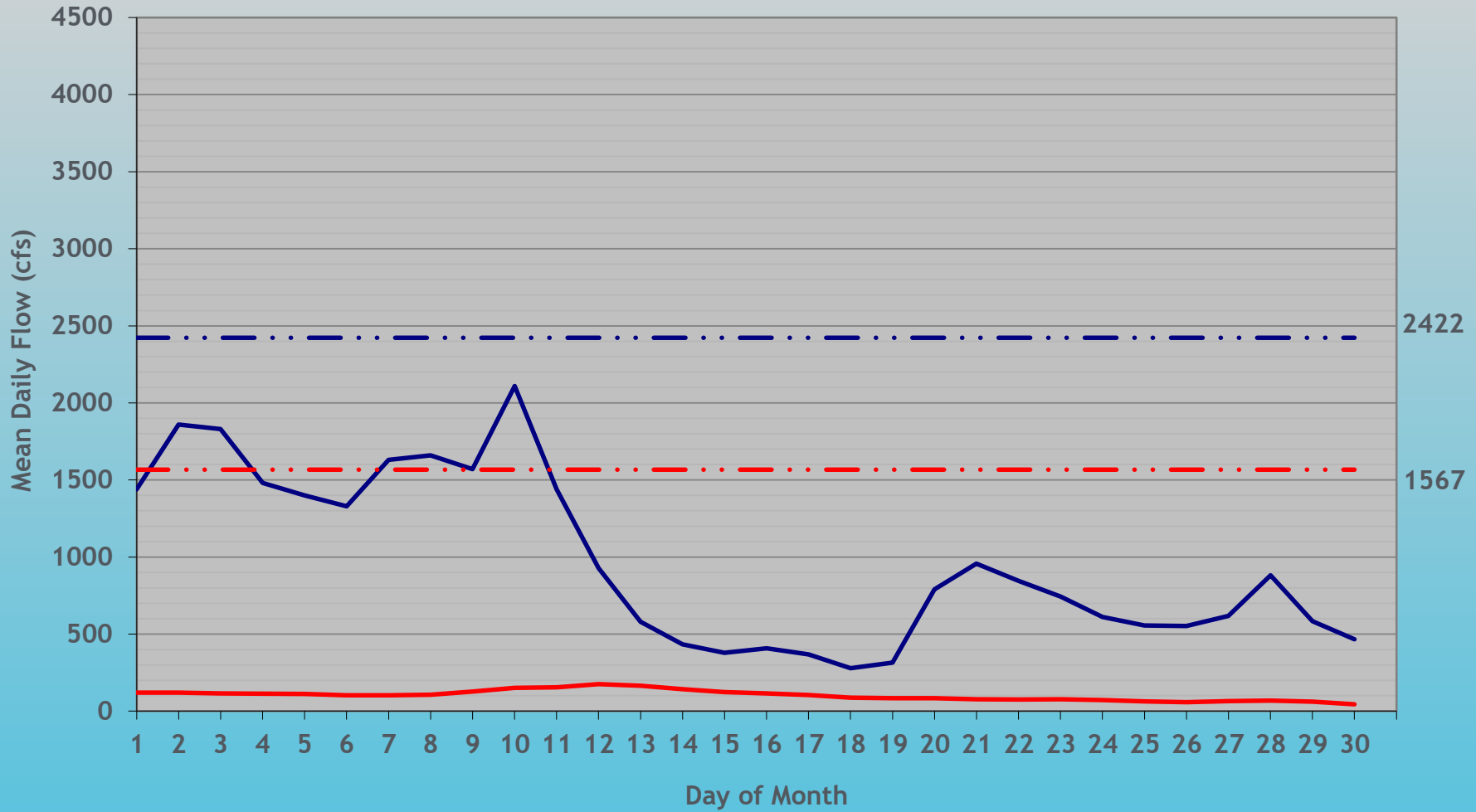
**KERSEY and JULESBURG  
June 2020**



**KERSEY and JULESBURG  
June 2021**

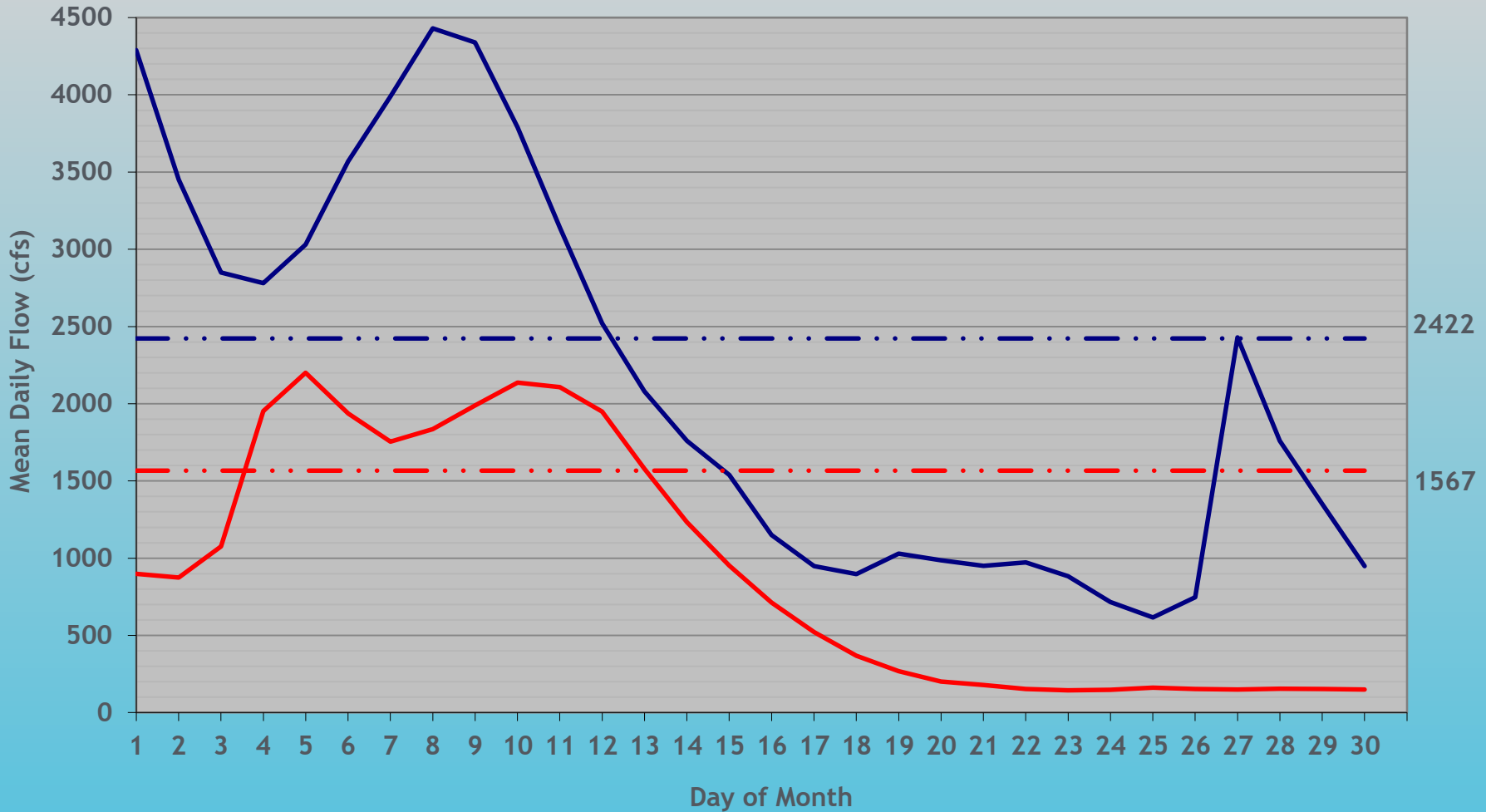


# KERSEY and JULESBURG June 2020



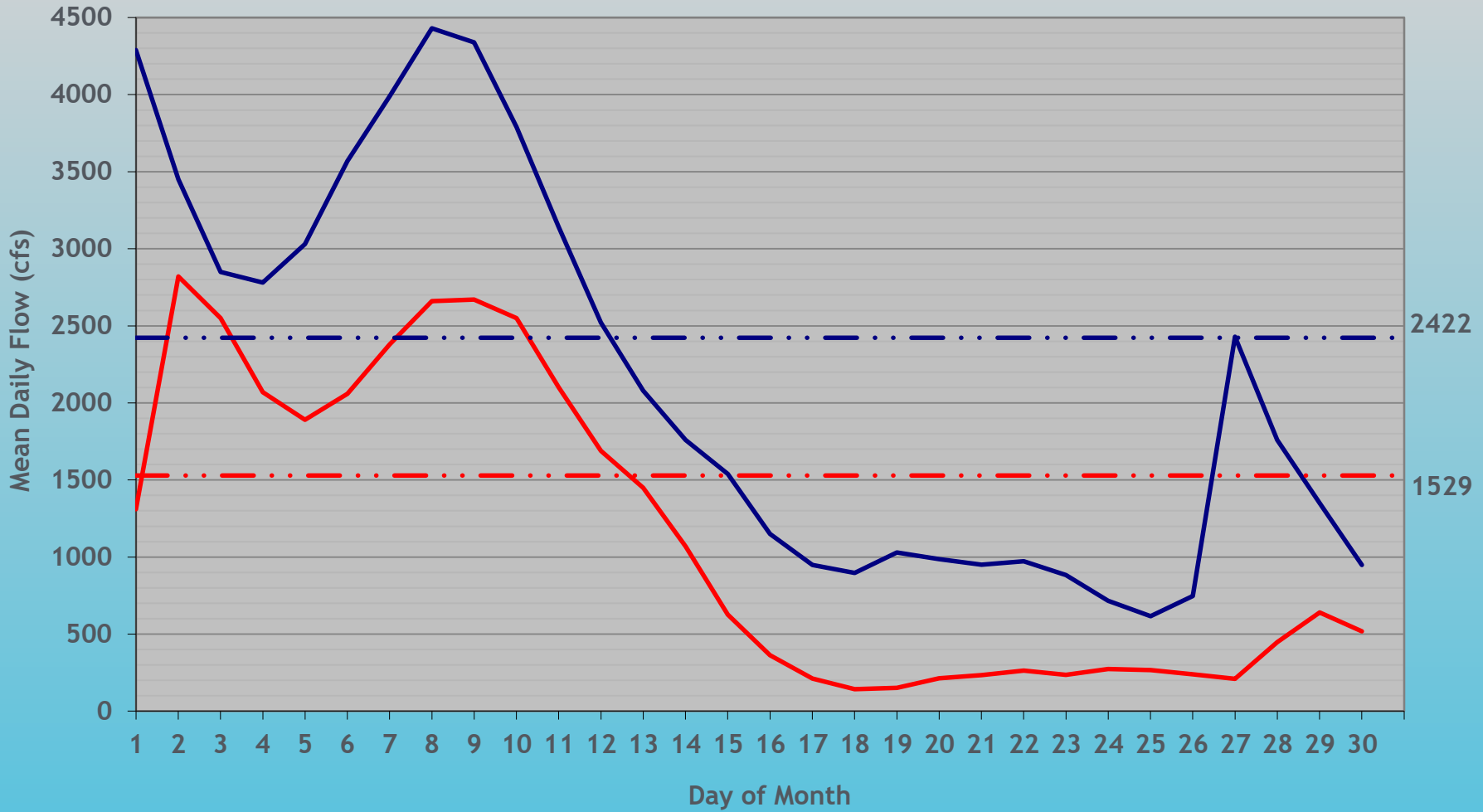
— Kersey — Julesburg — • Kersey 1901-2013 Avg. — • Julesburg 1902-2013 Avg.

# KERSEY and JULESBURG June 2021



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

# KERSEY and BALZAC June 2021



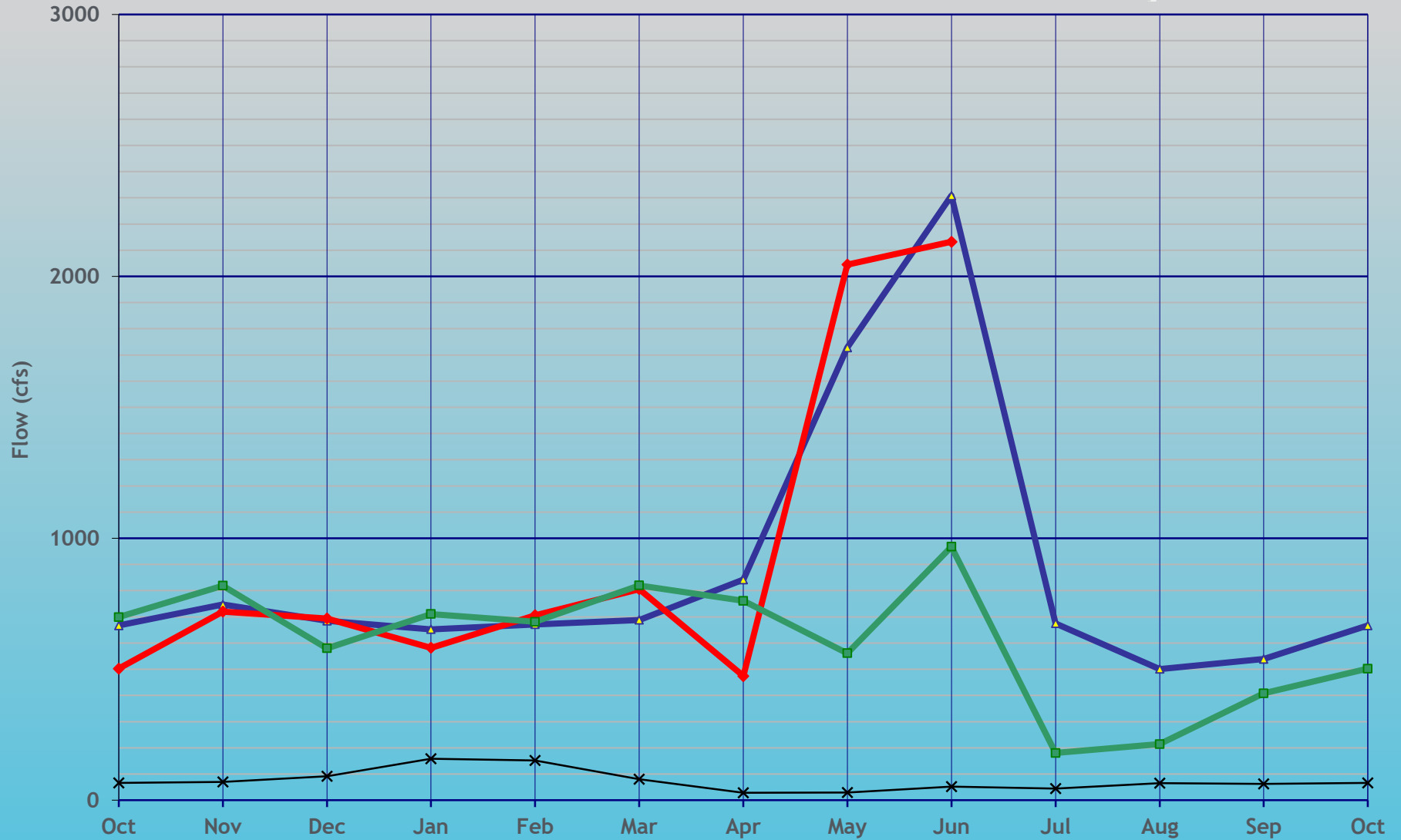
— Kersey     
 — Balzac     
 - · - Kersey 1901-2013 Avg.     
 - · - Balzac 1917-2013 Avg.

# 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	806	Mar	512	12900	1910	15	1904	124
Apr	842	18100	1942	28	1955	474	Apr	514	14400	1942	4.0	1904	136
May	1728	26100	1973	29	1955	2045	May	994	18100	1973	12	1911	1104
Jun	2308	31000	1921	52	1954	2132	Jun	1426	30800	1921	2.0	1910	937
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



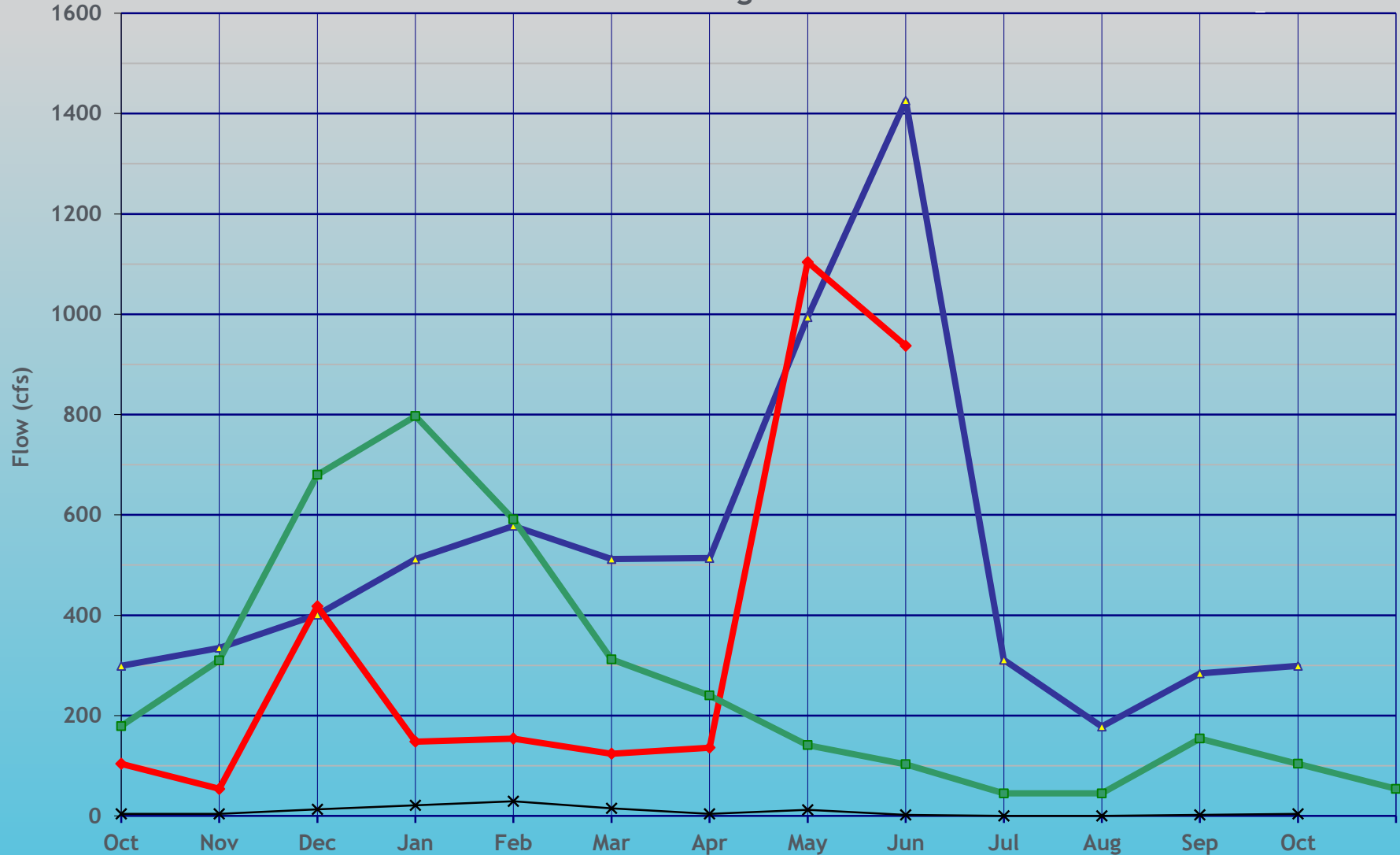
▲ Historic\* Mean Flow    × Historic\* Min Flow    ◆ 2020-2021 Mean Flow    ◻ 2019-2020 Mean Flow

\*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



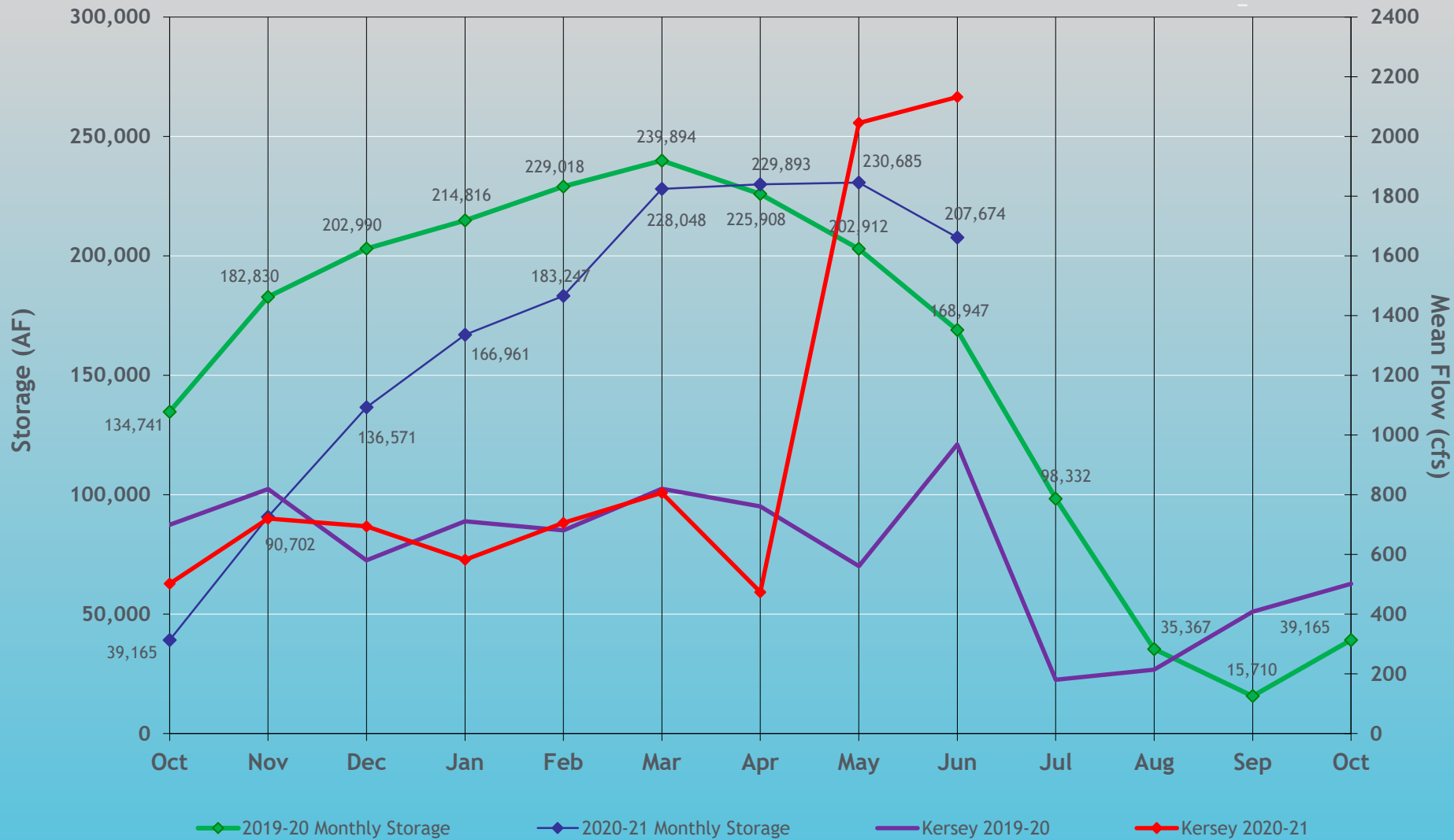






# Reservoir Storage below Kersey

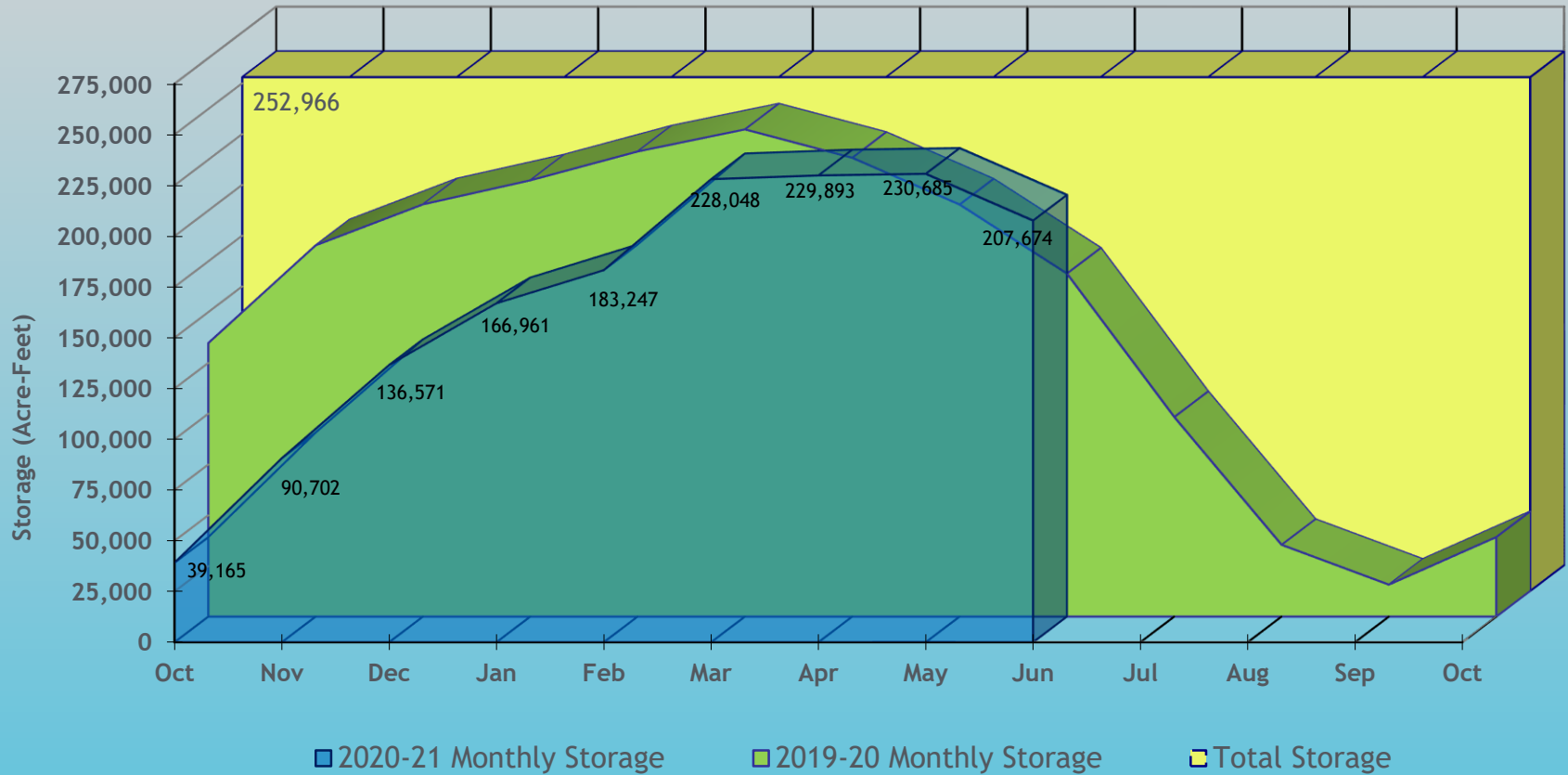
Selected Reservoirs\*



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



# South Platte Reservoir Storage below Kersey\*

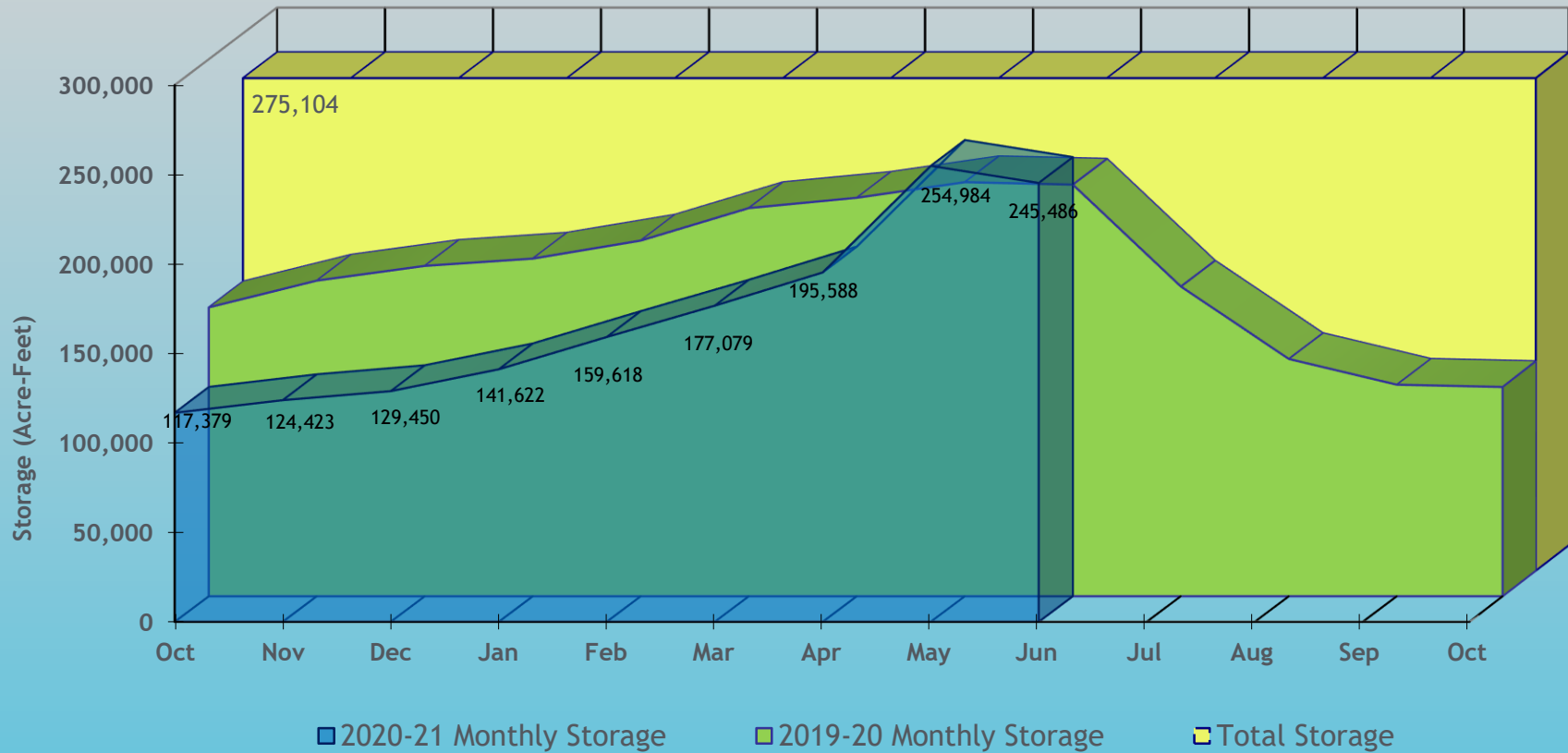


\*Empire, Riverside, Jackson, Prewitt, North Sterling, & Julesburg





# South Platte Reservoir Storage above Kersey\*



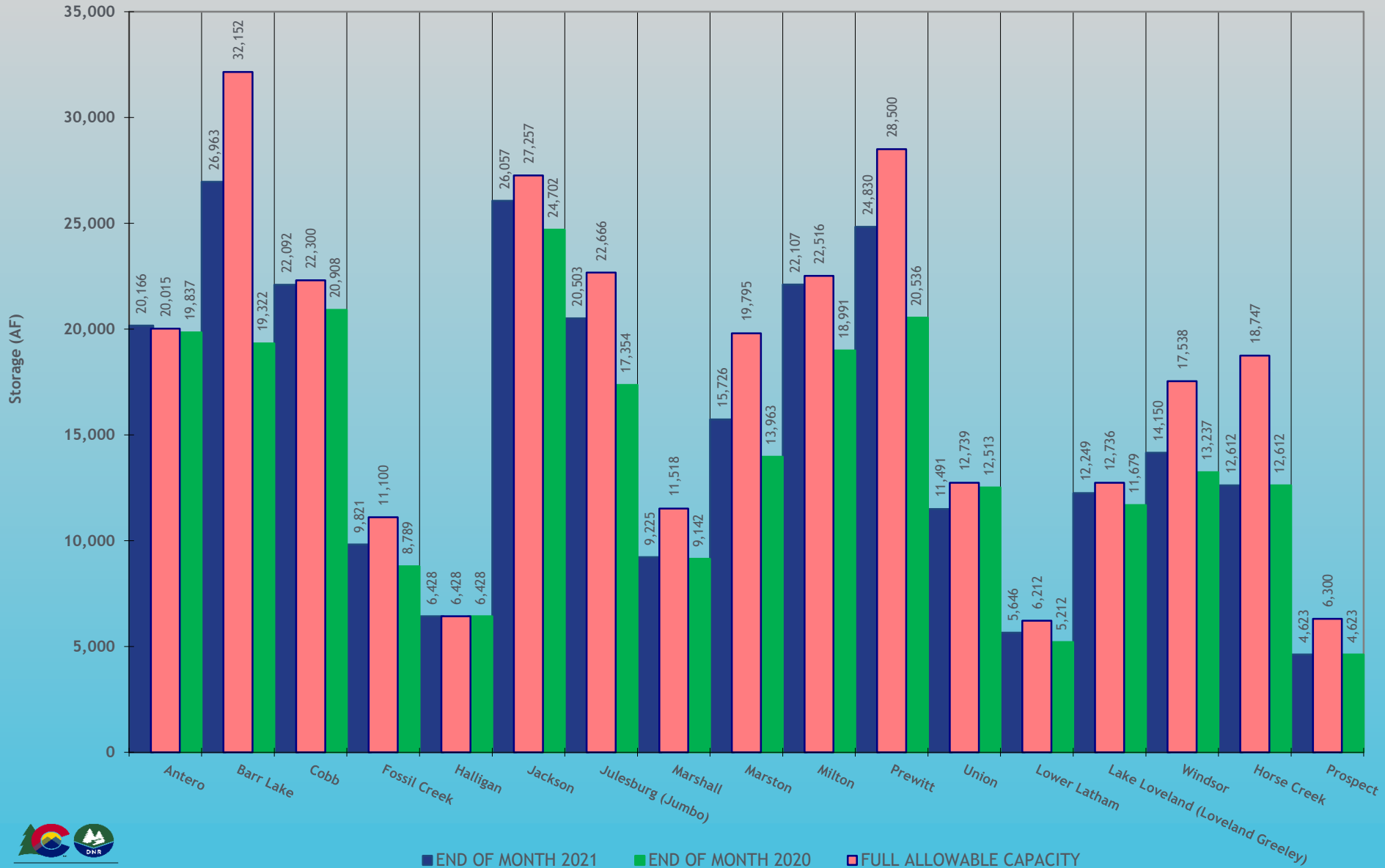
\*Barr, Cobb, Fossil Crk, Halligan, Marshall, Milton, Union, Standley, Lower Latham, Boyd, Loveland, Windsor, Horse Crk, & Prospect







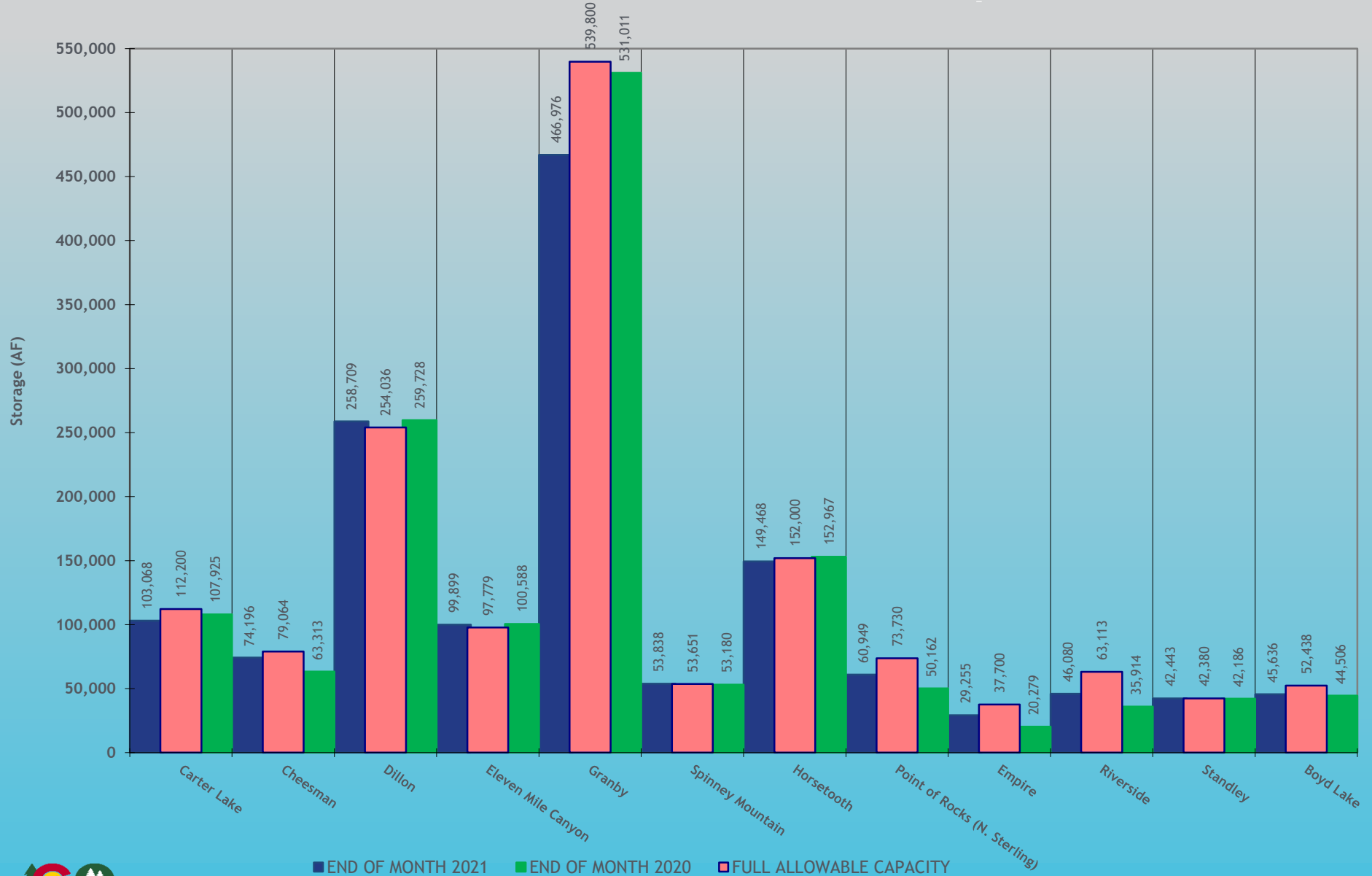
# June Reservoir Change in Storage IY2020 versus IY2021



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

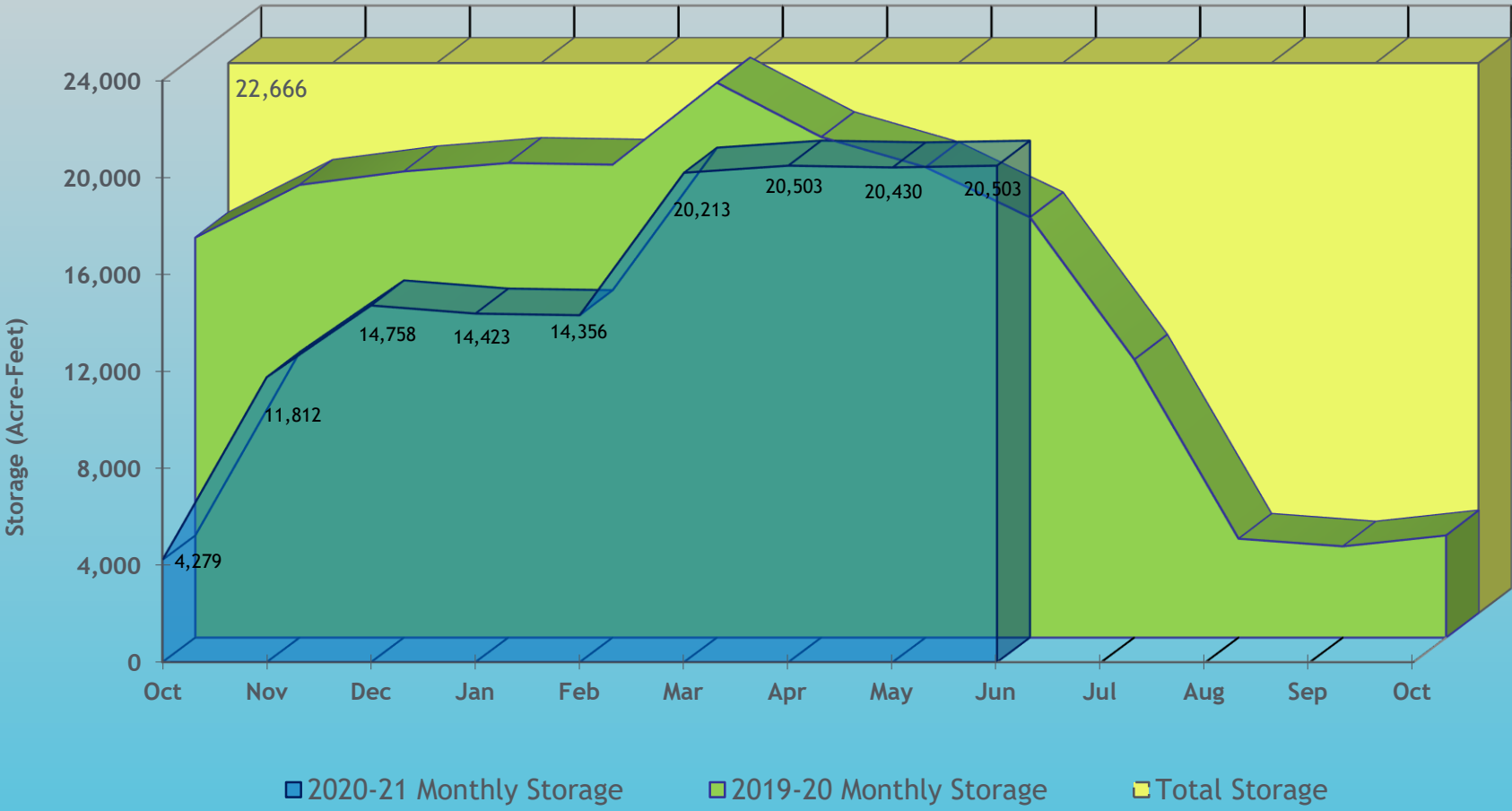


# June Reservoir Change in Storage IY2020 versus IY2021

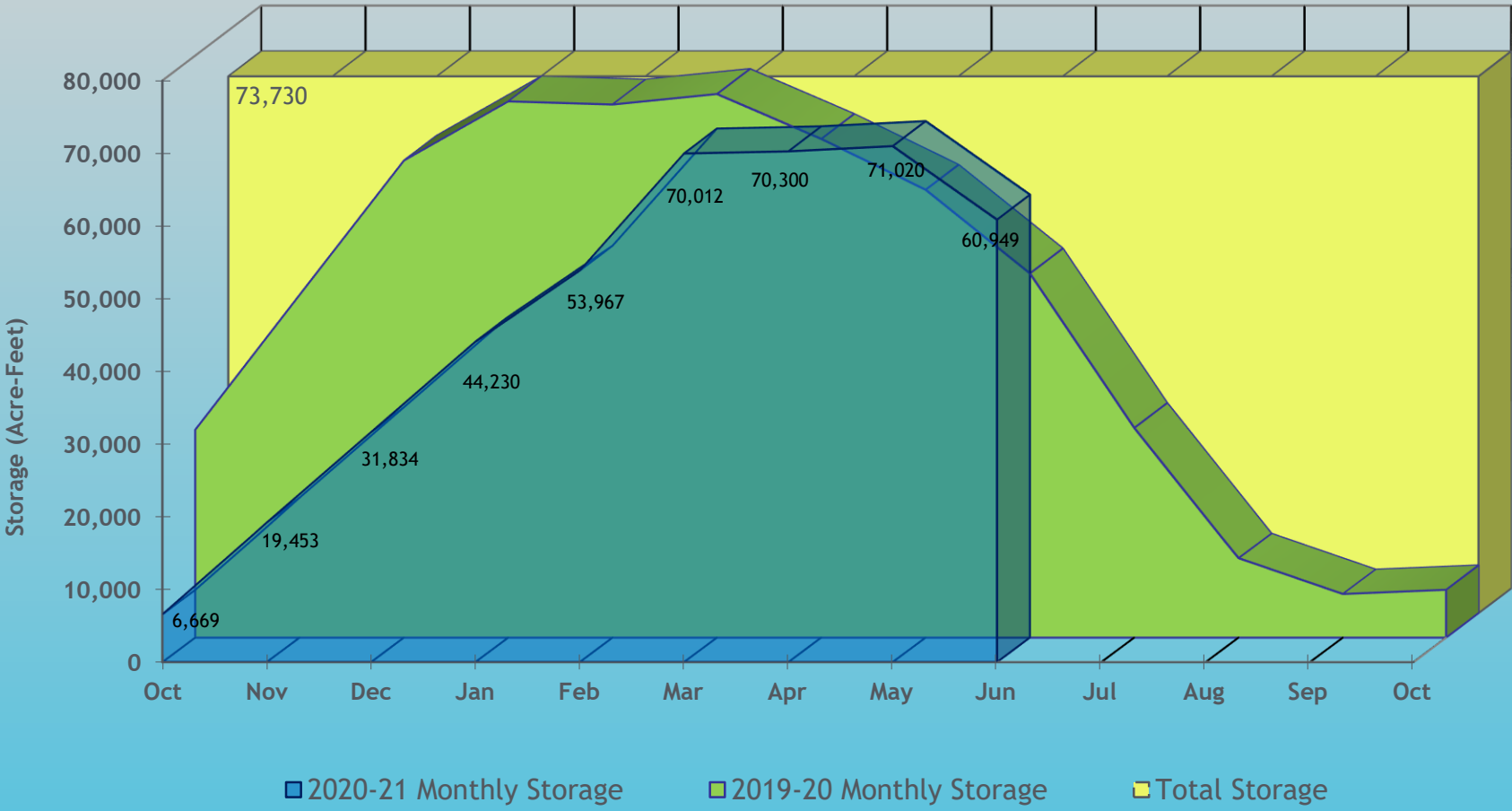


■ END OF MONTH 2021    
 ■ END OF MONTH 2020    
 ■ FULL ALLOWABLE CAPACITY

# Julesburg Reservoir (District 64 - Agricultural)

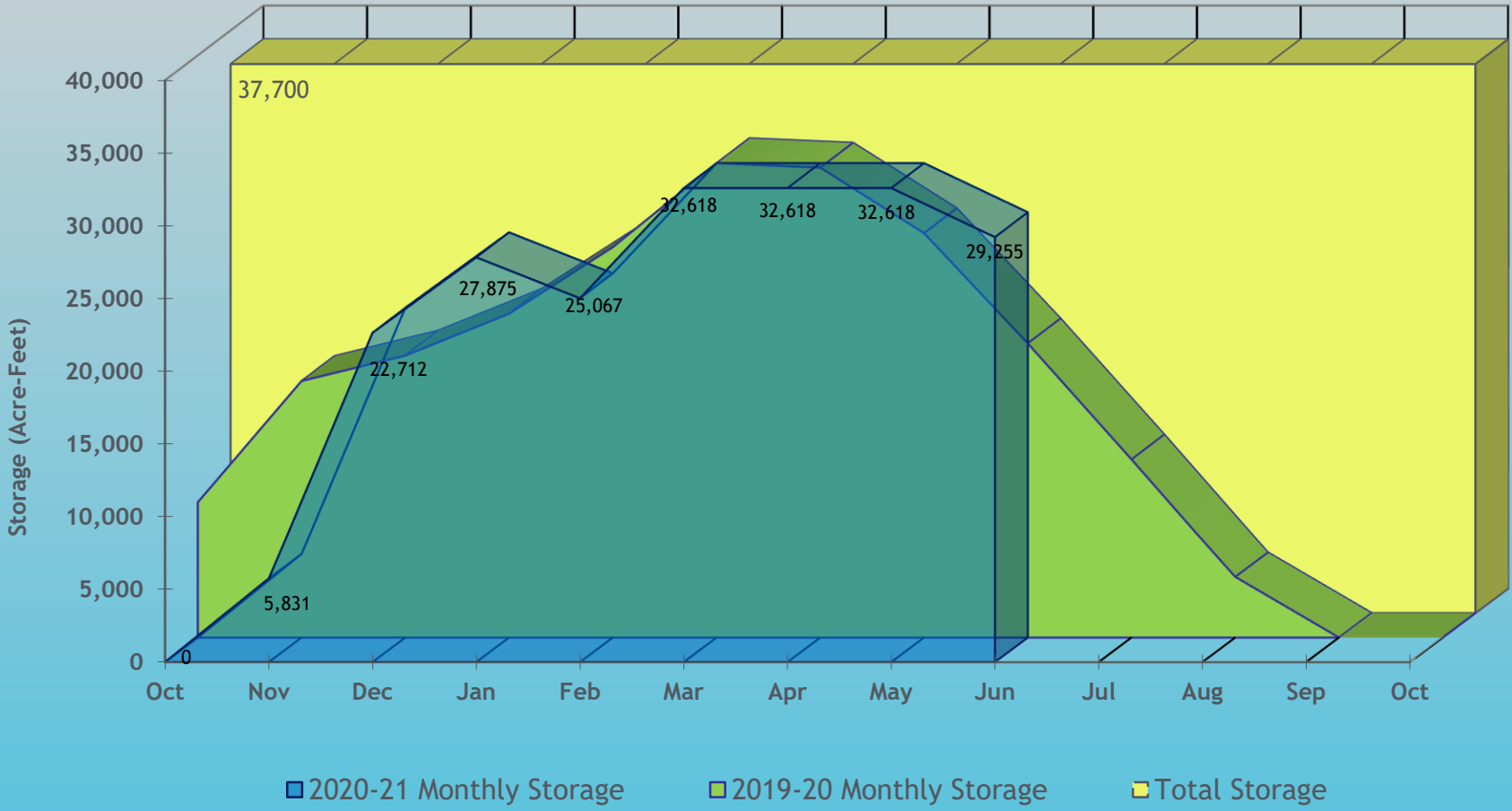


# North Sterling Reservoir (District 64 - Agricultural)

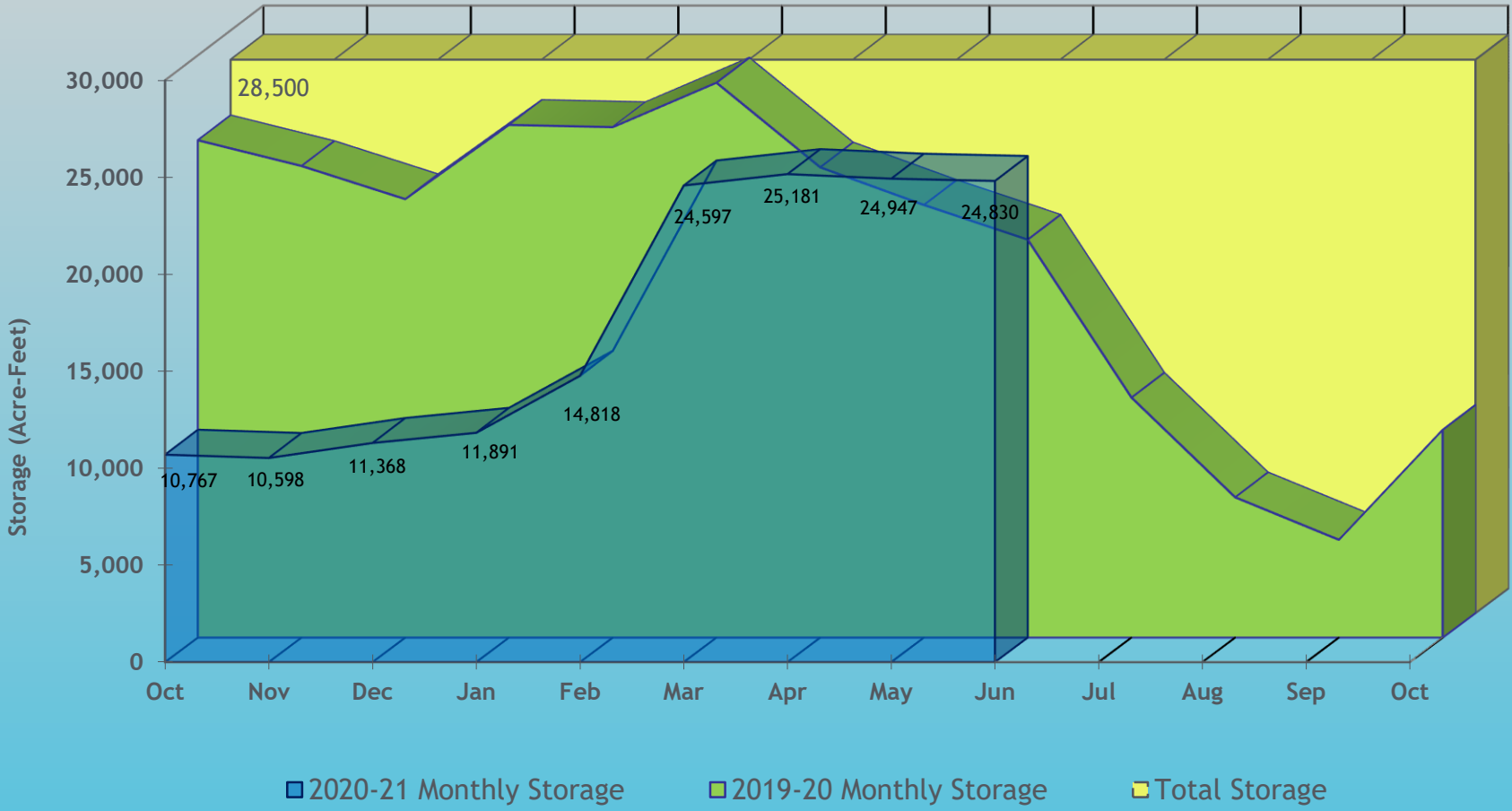




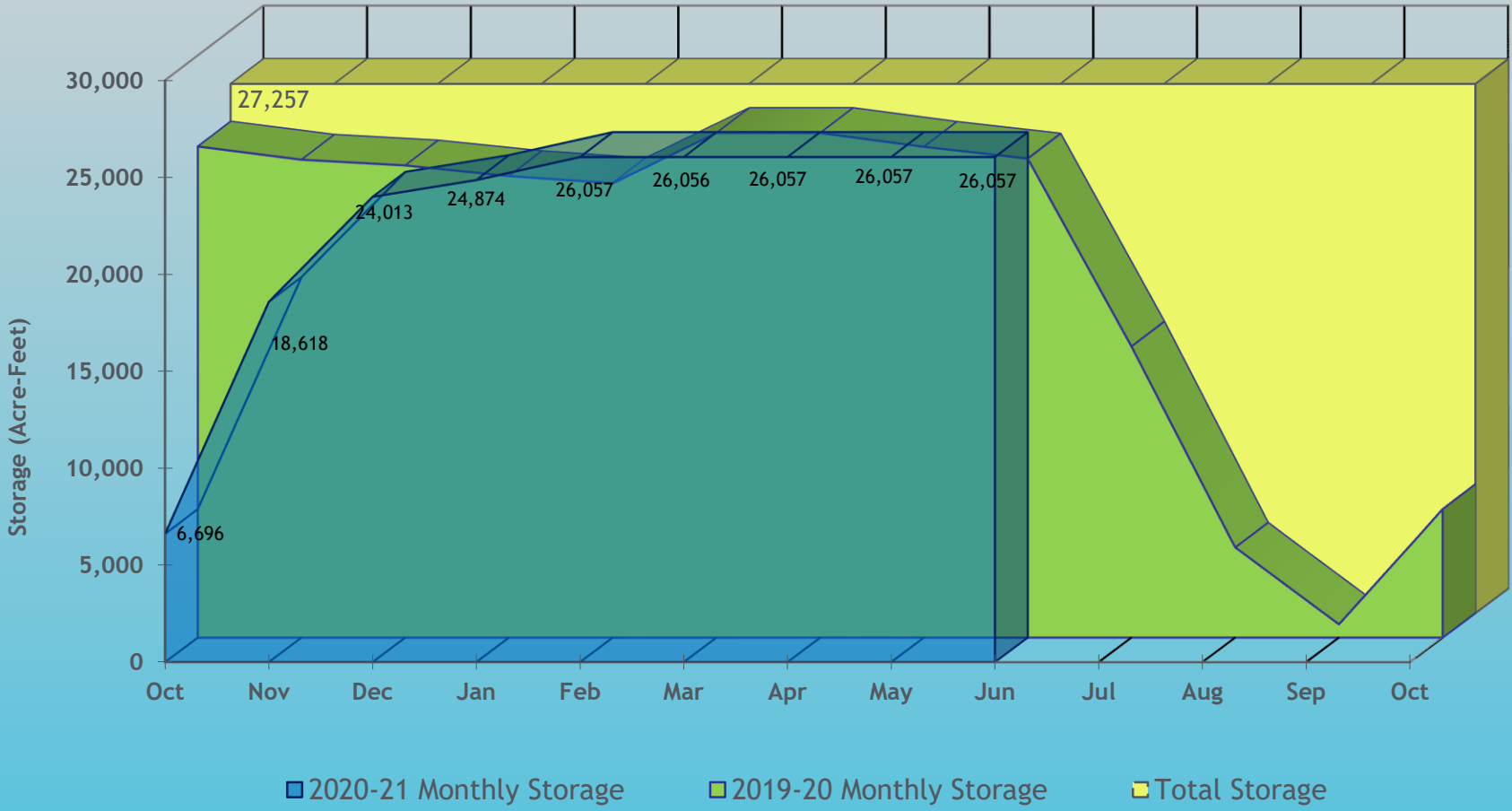
# Empire Reservoir (District 1 - Agricultural)



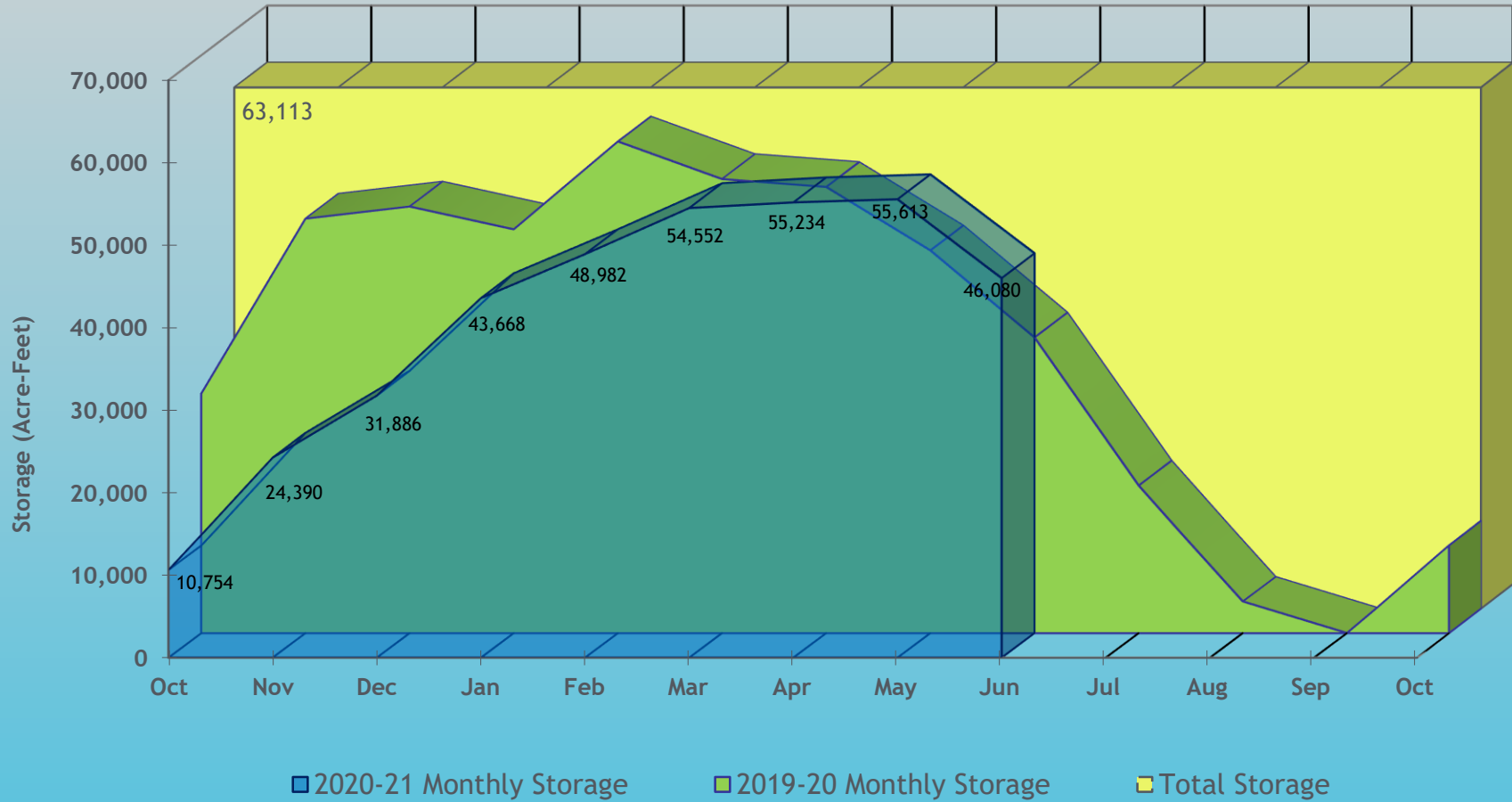
# Prewitt Reservoir (District 64 - Agricultural)



# Jackson Reservoir (District 1 - Agricultural)

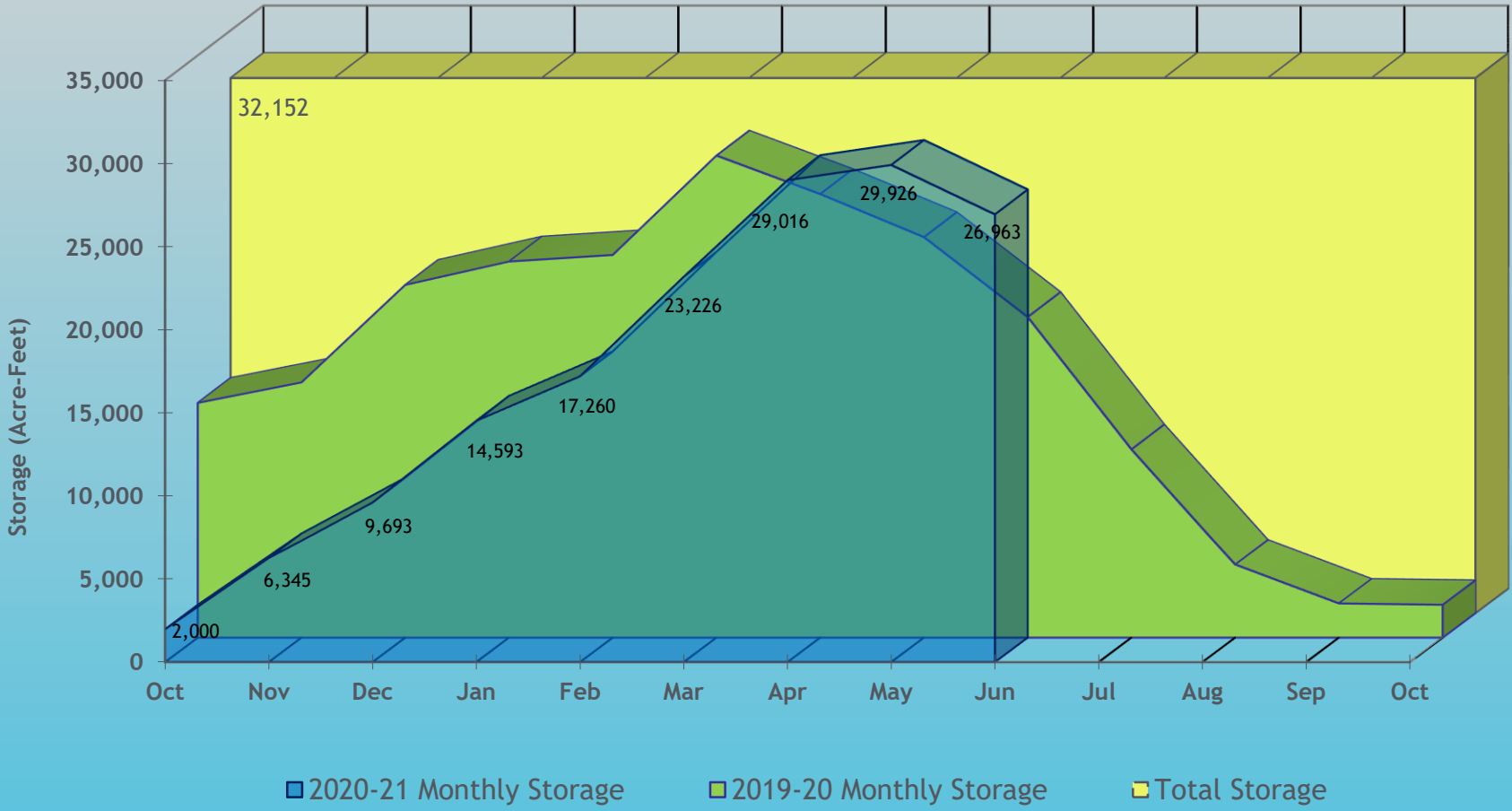


# Riverside Reservoir (District 1 - Agricultural)

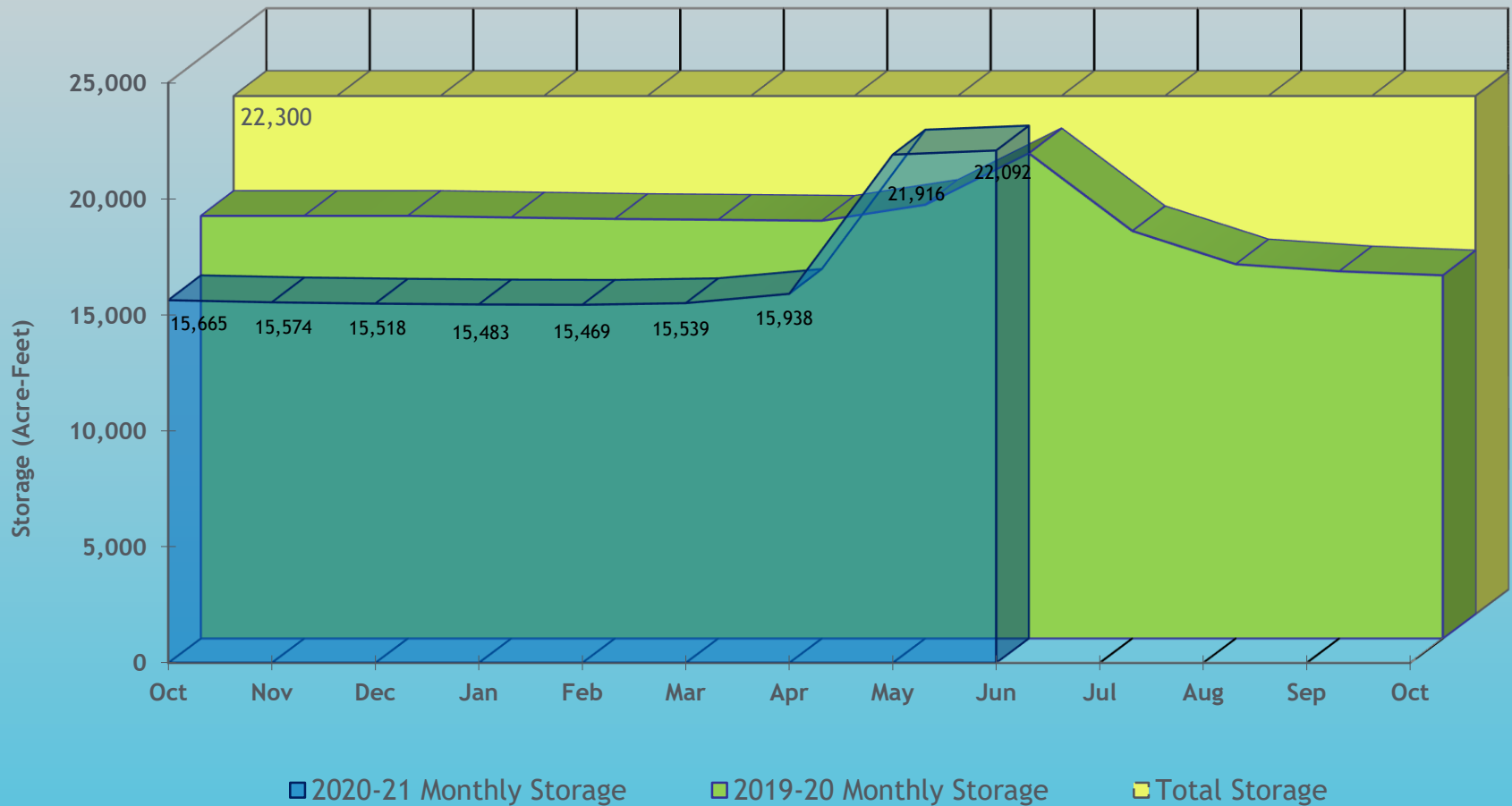




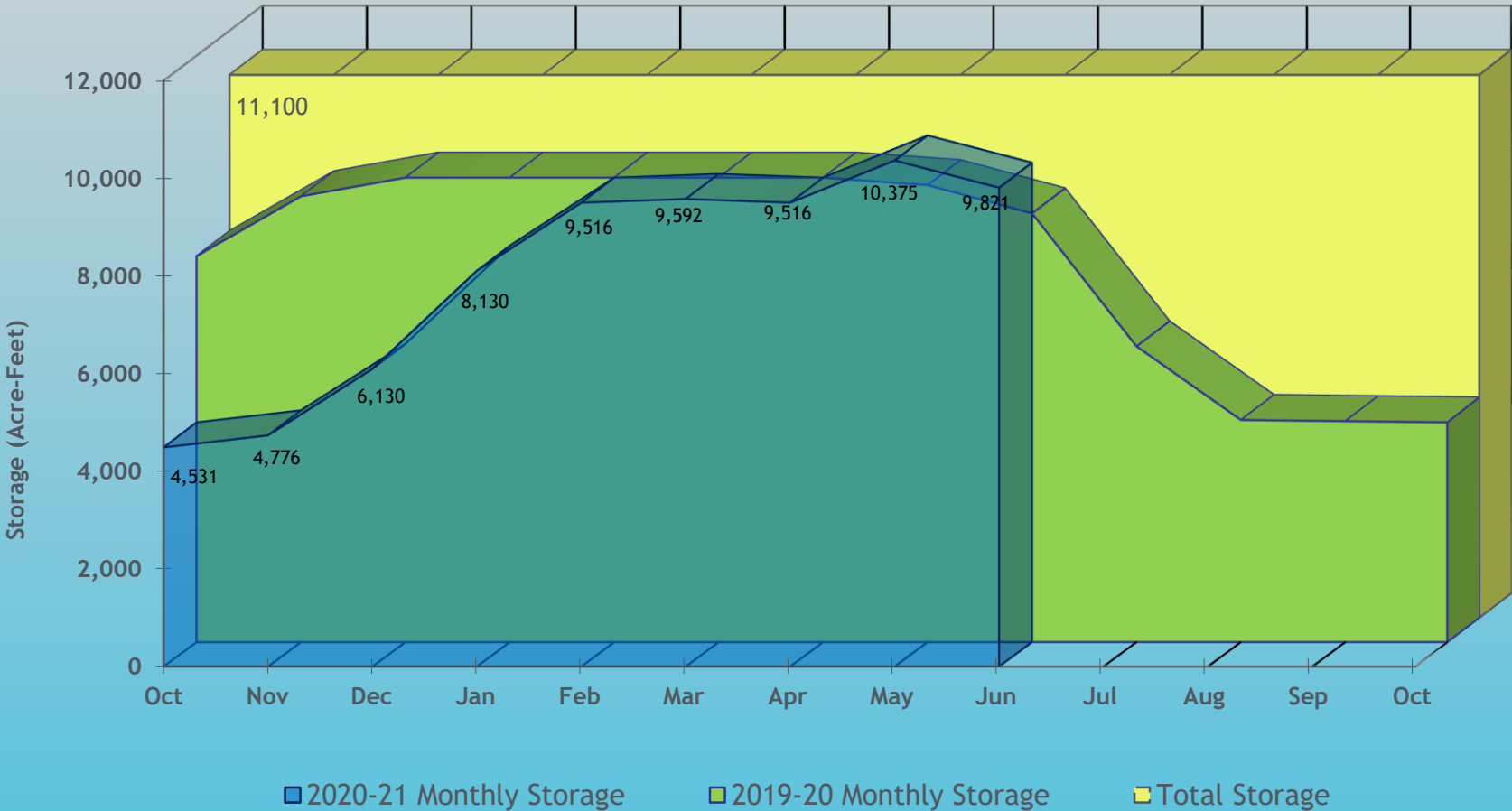
# Barr Reservoir (District 2 - Agricultural)



# Cobb Reservoir (District 3, Poudre River - Agricultural)

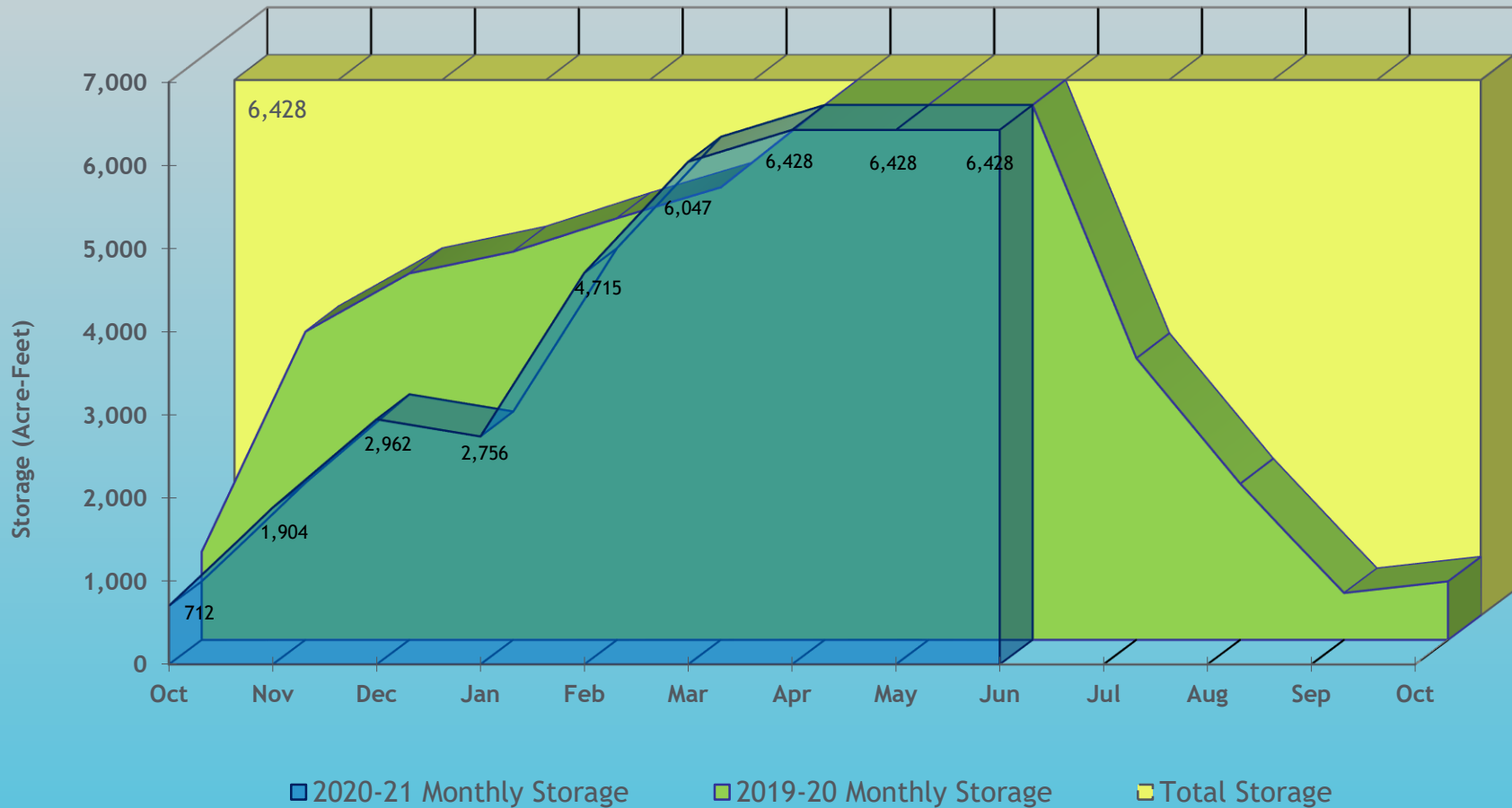


# Fossil Creek Reservoir (District 3, Poudre River - Agricultural)

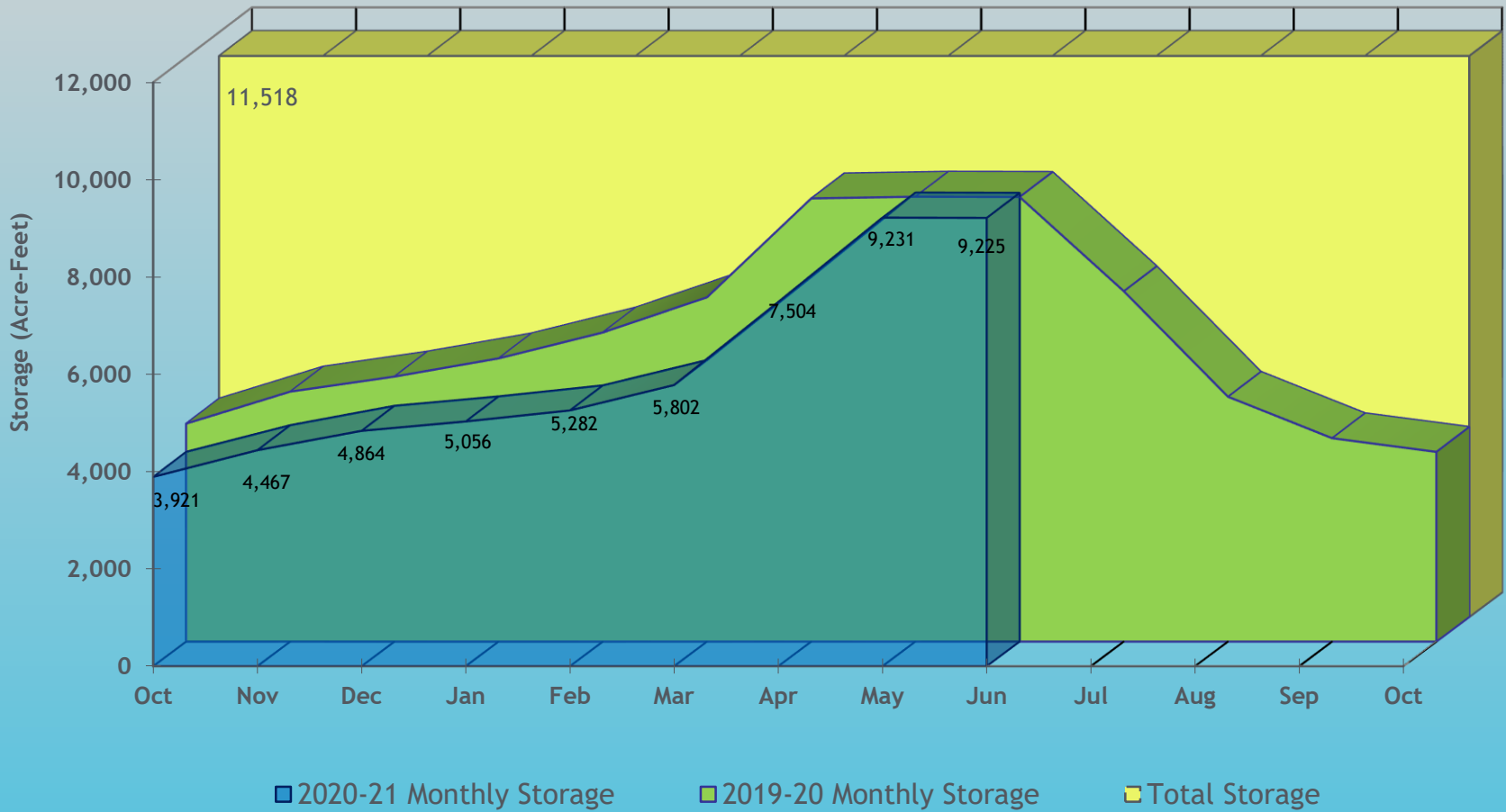




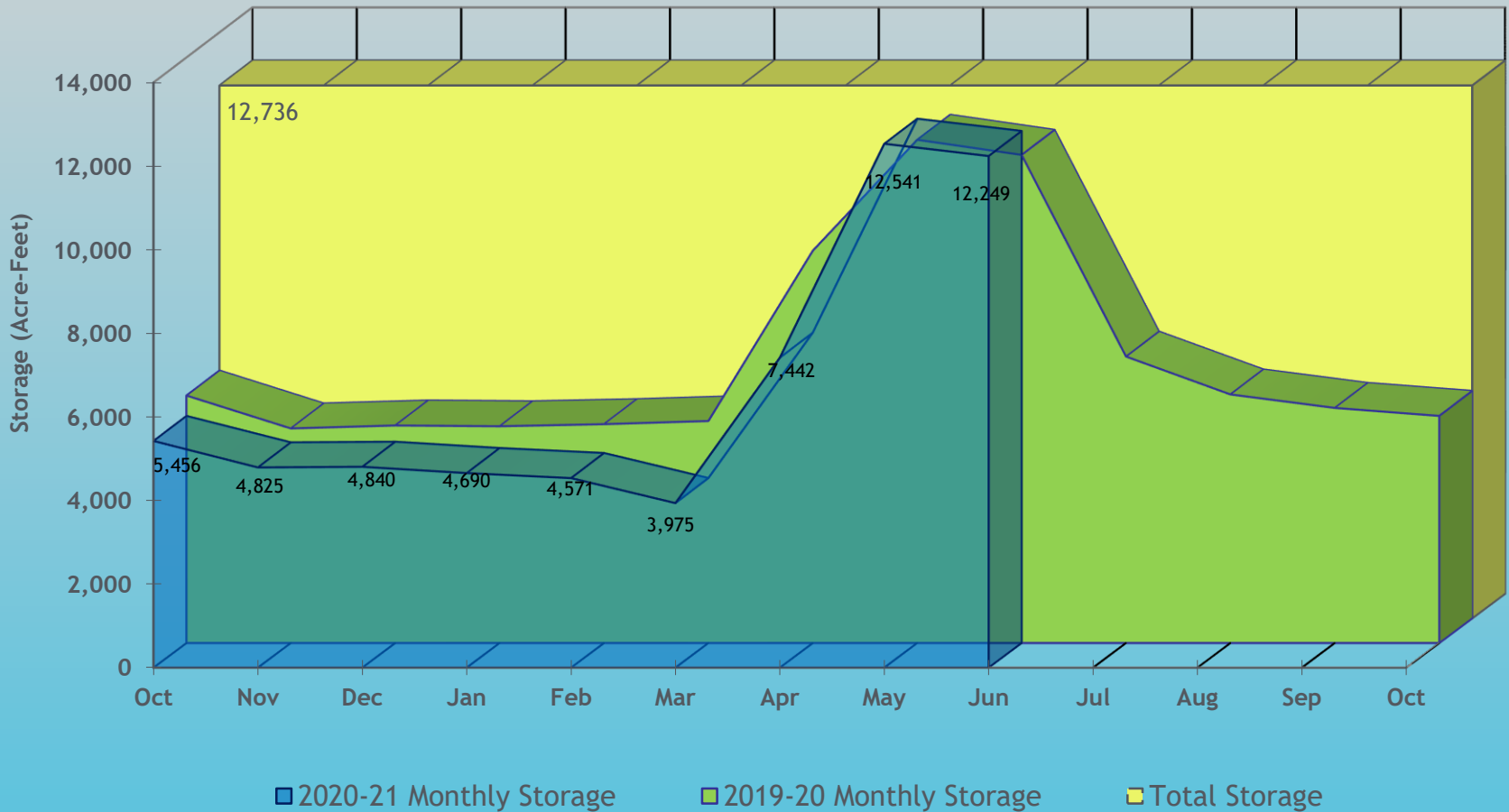
# Halligan Reservoir (District 3, Poudre River - Agricultural)



# Marshall Lake (District 6, Boulder Creek - Agricultural)

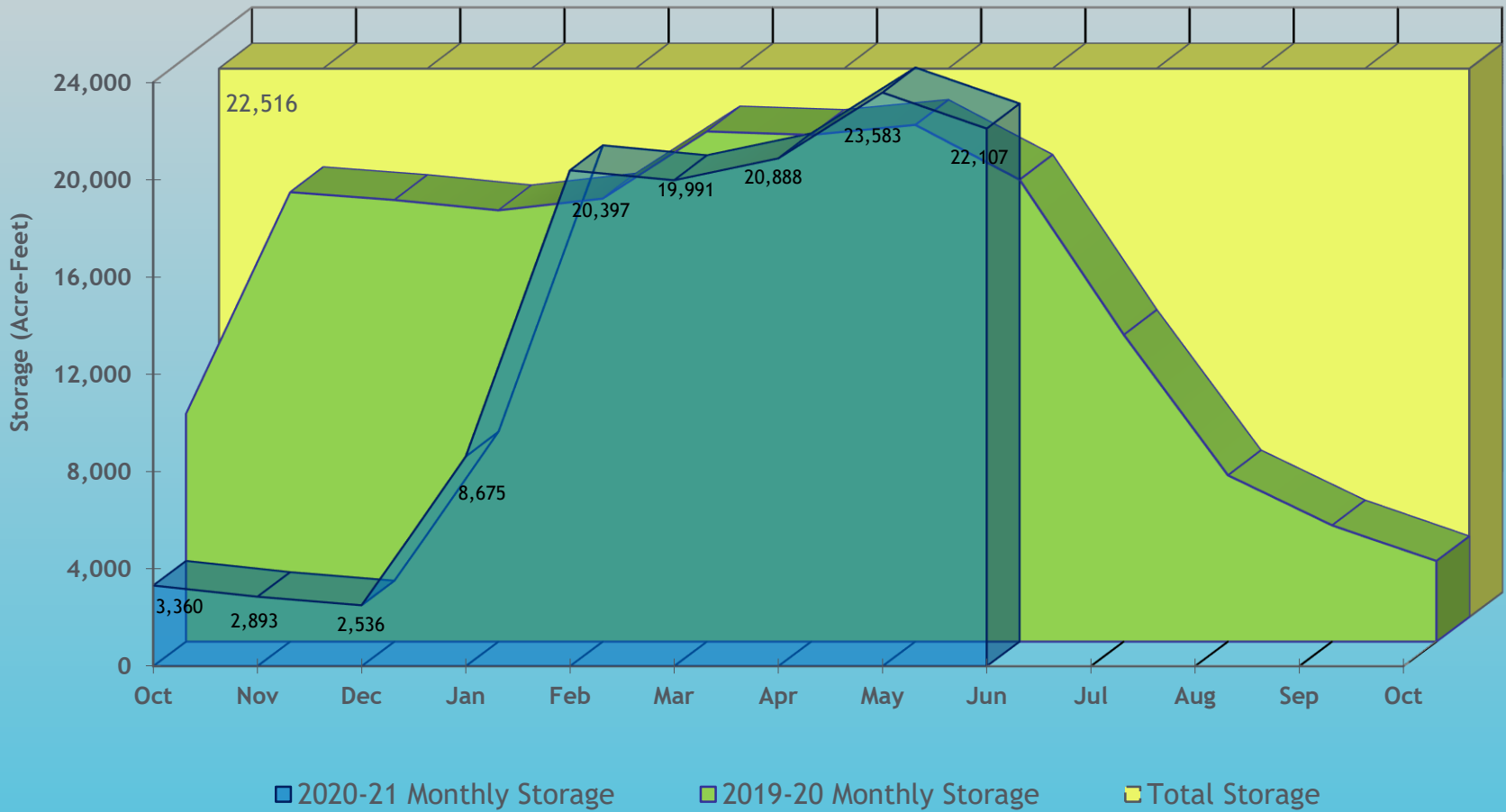


# Loveland Greeley Reservoir (District 4, Big Thompson River - Agricultural)





# Milton Reservoir (District 2 - Agricultural)

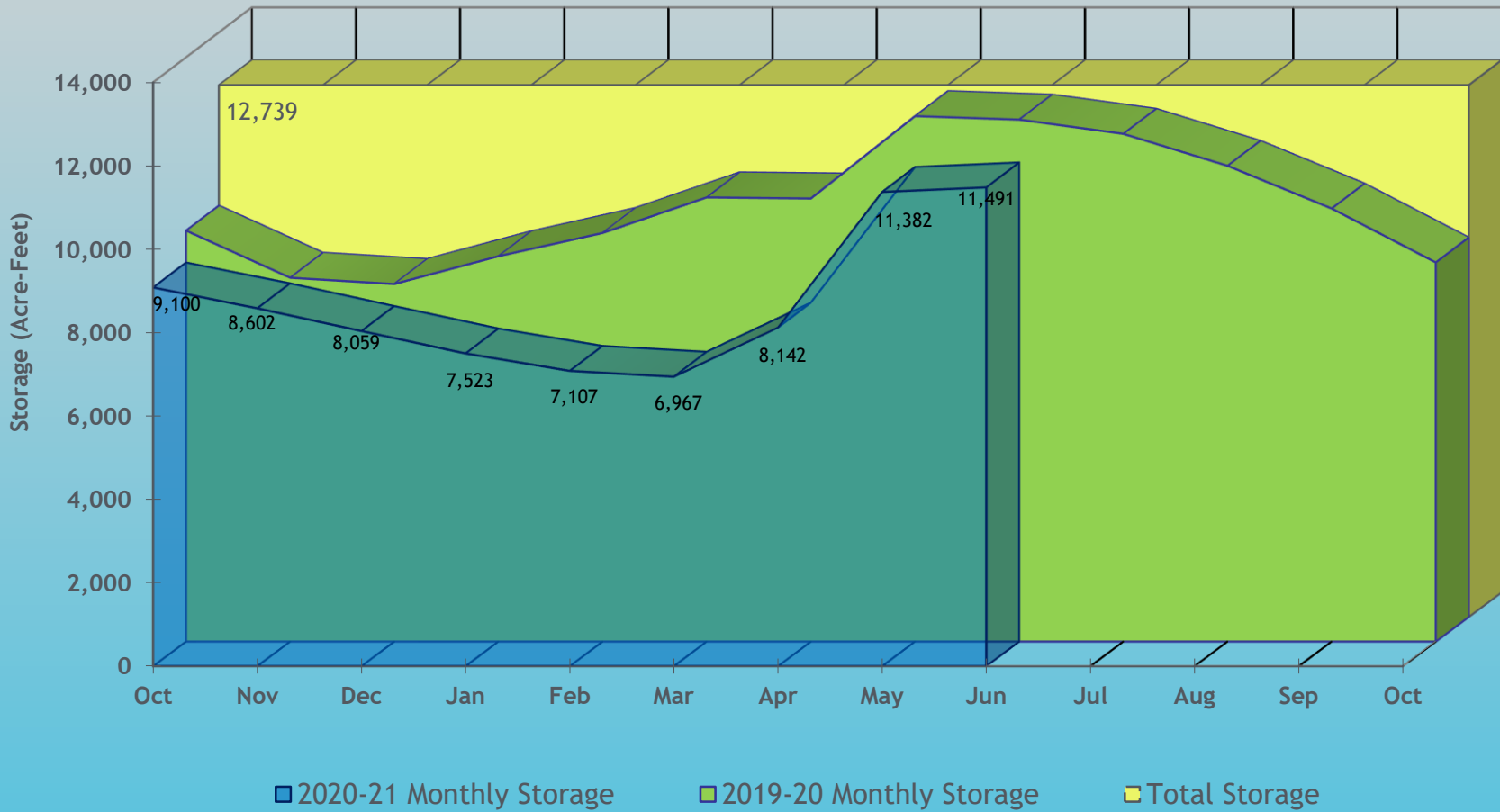


■ 2020-21 Monthly Storage

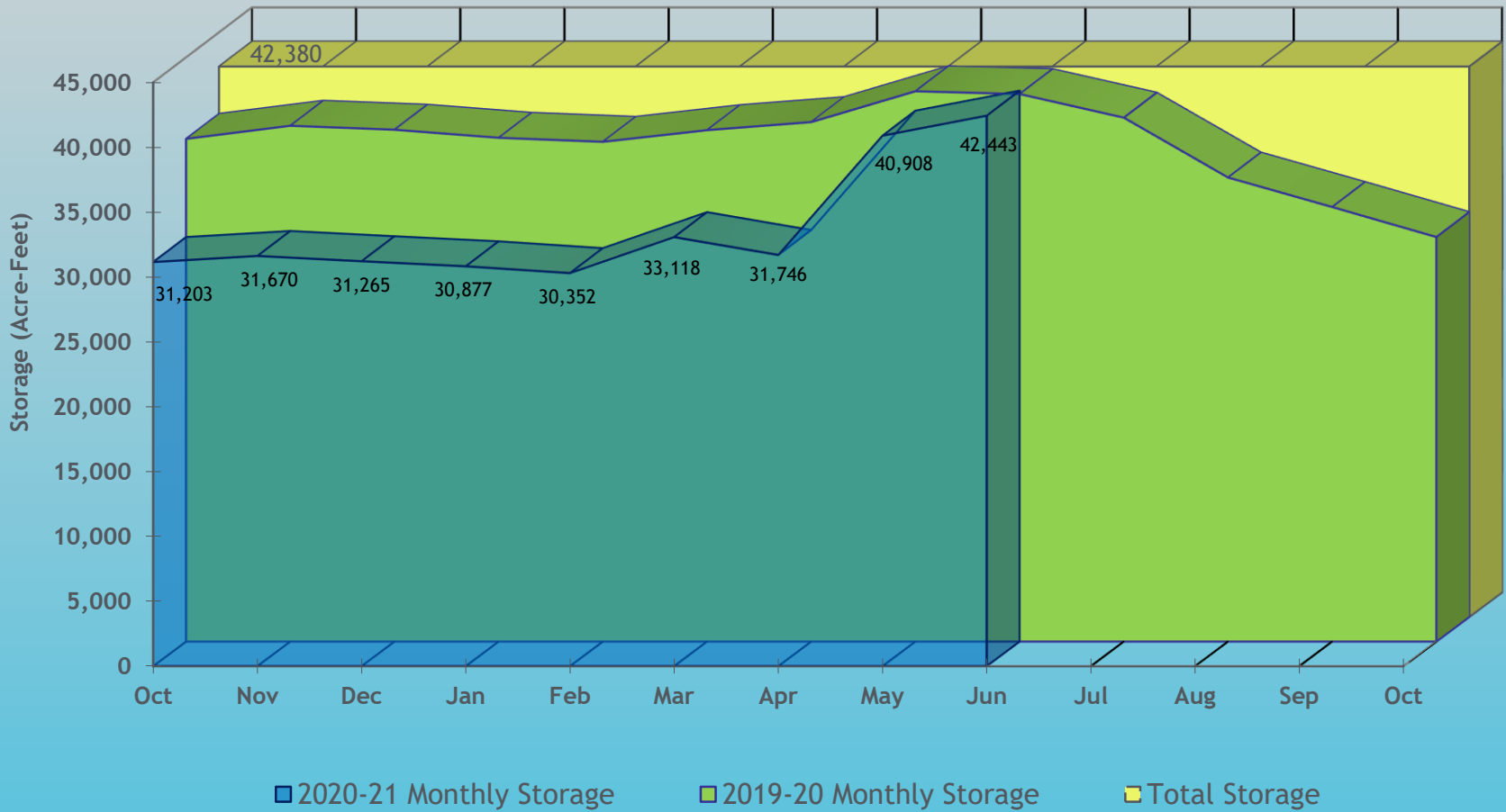
■ 2019-20 Monthly Storage

■ Total Storage

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

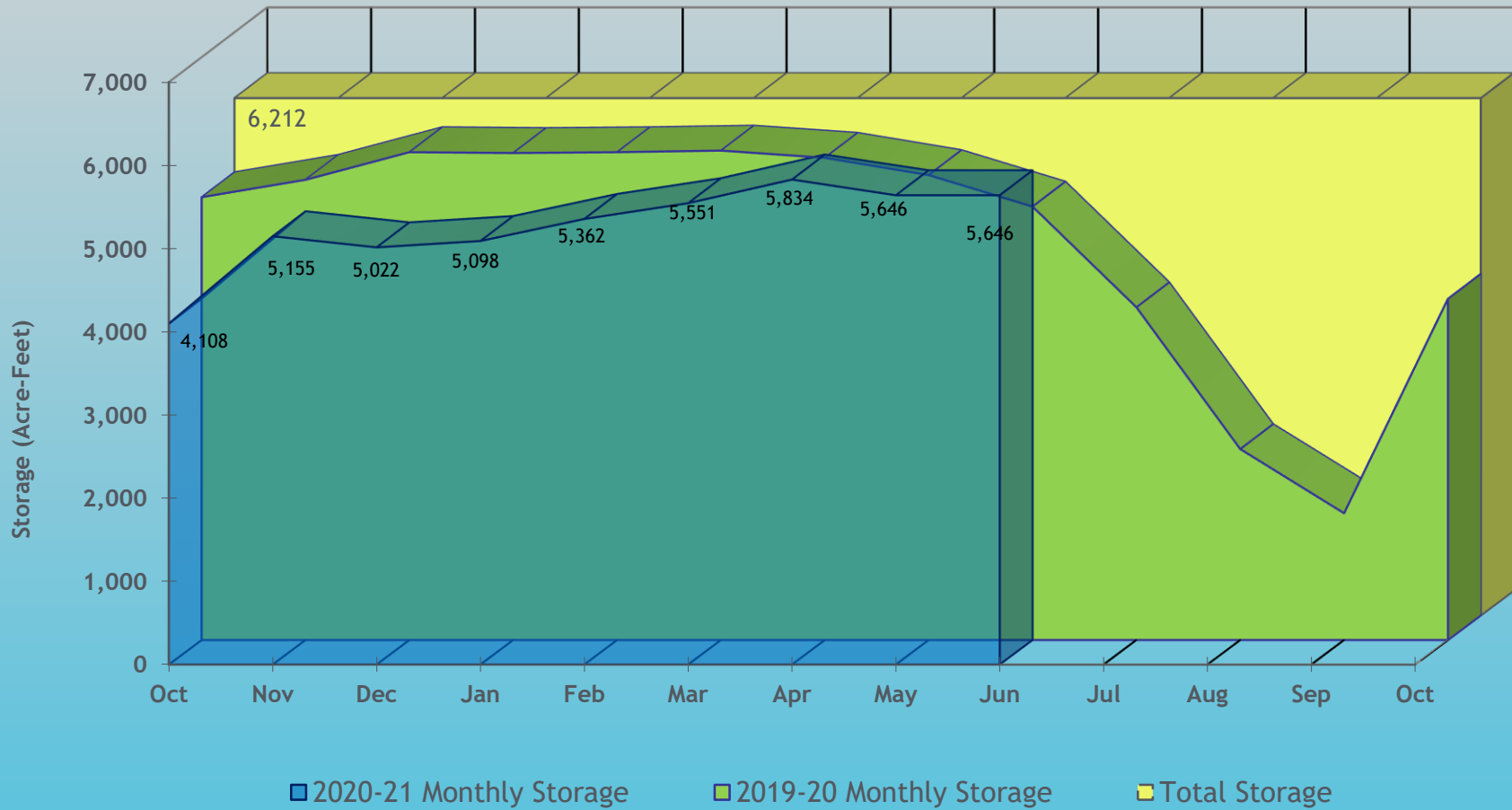


# Standley Lake (Agricultural)

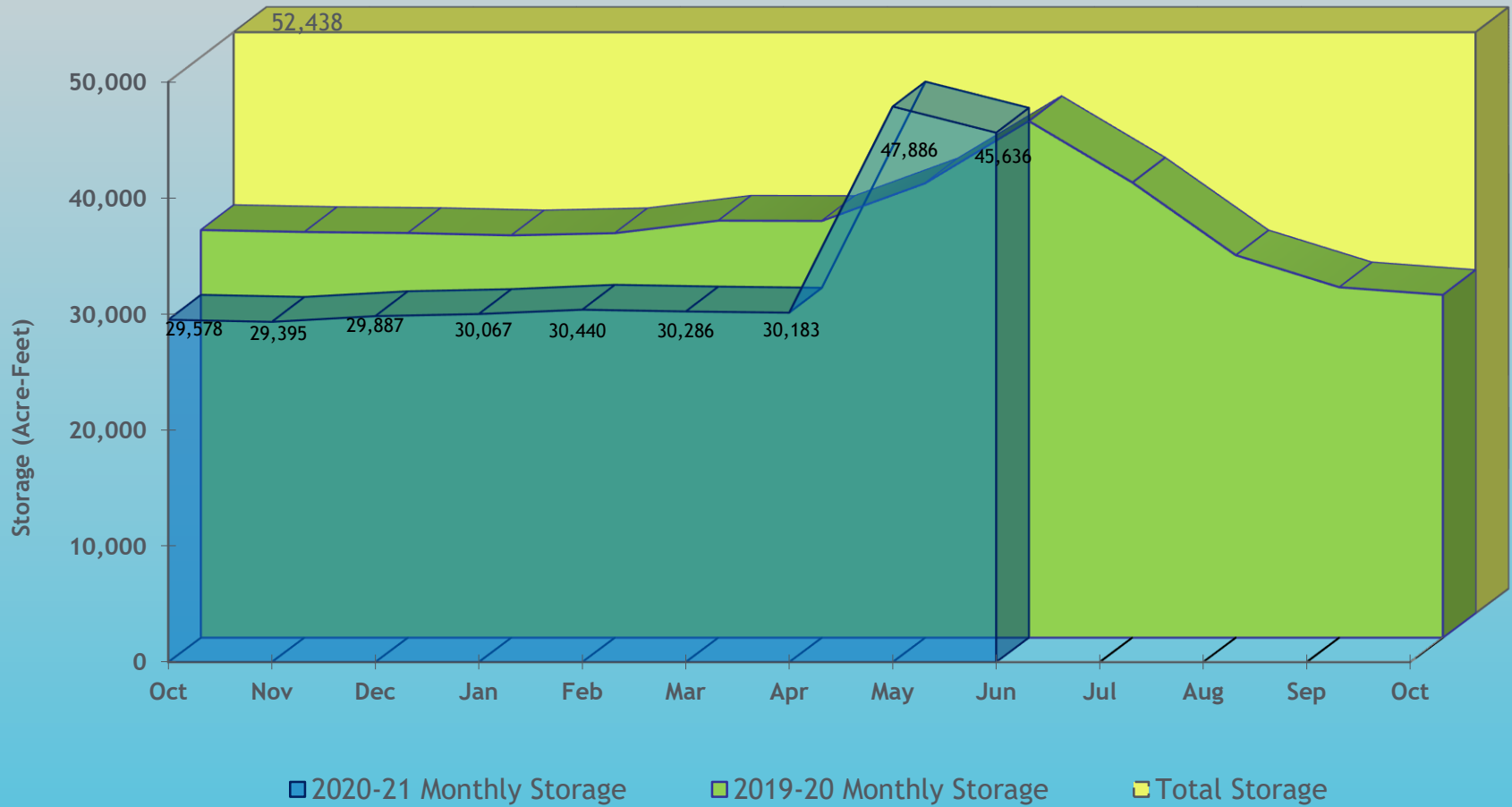




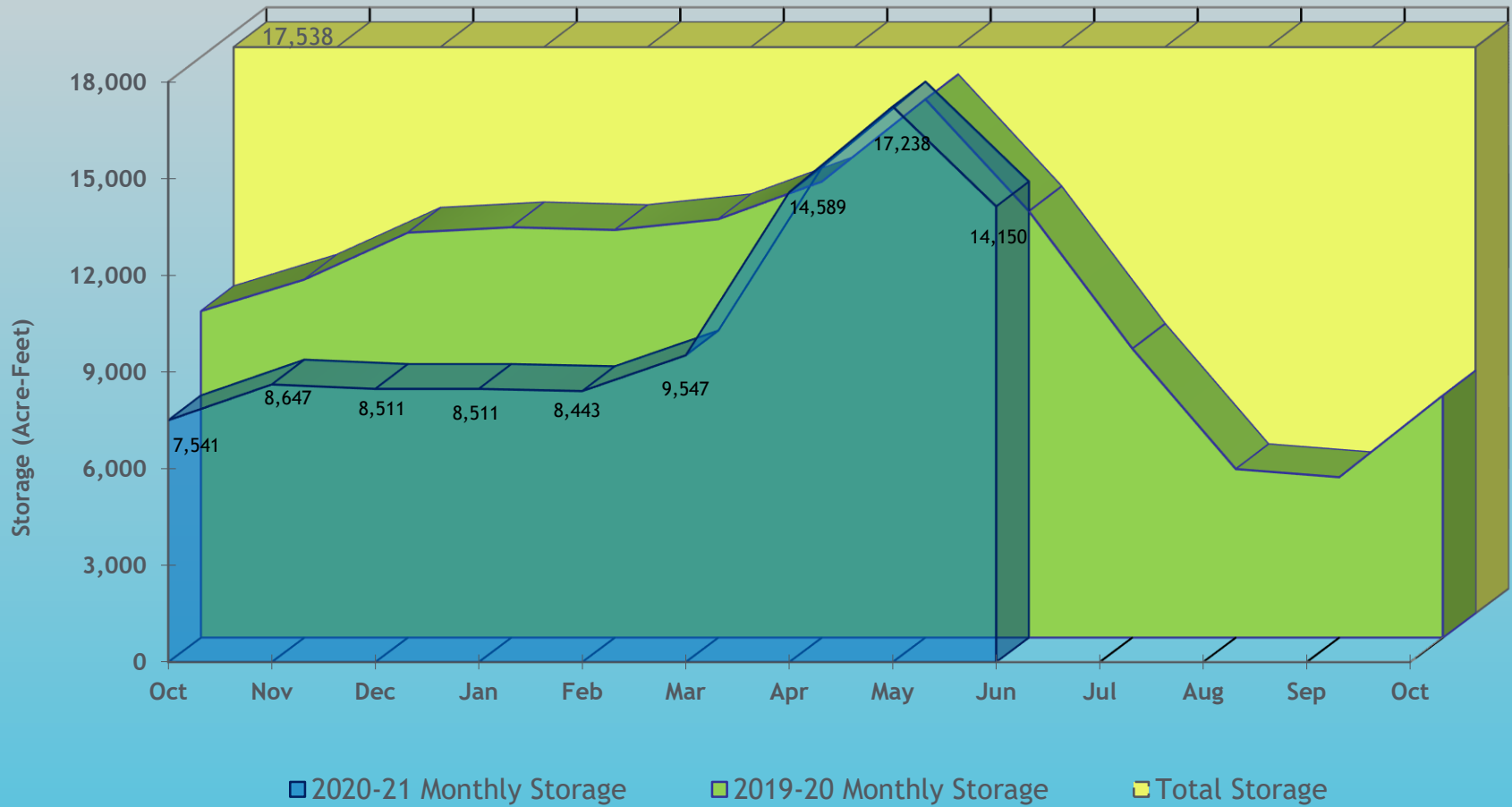
# Lower Latham Reservoir (District 2 - Agricultural)



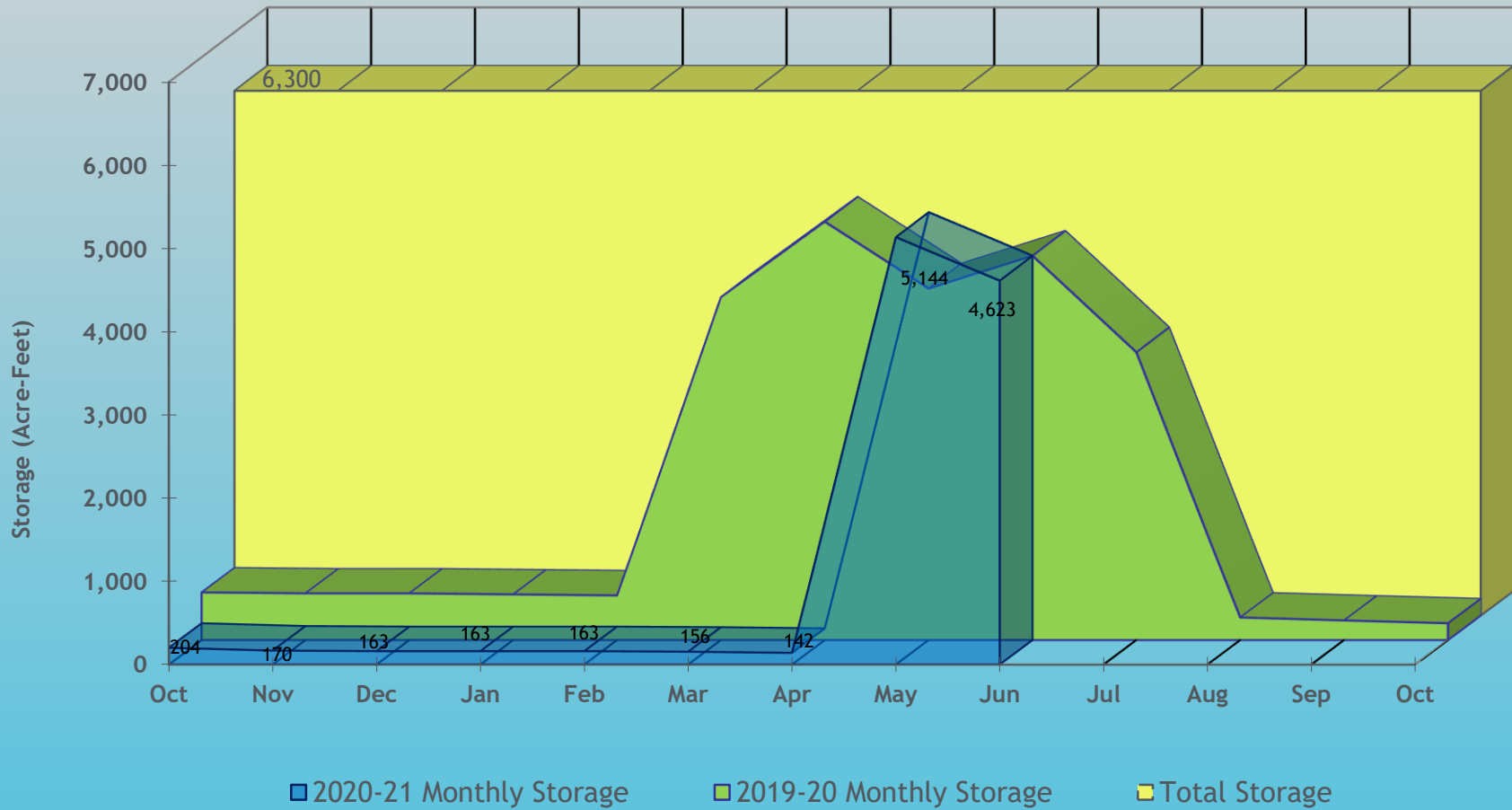
# Boyd Lake (District 4, Big Thompson River - Agricultural)



# Windsor Reservoir (District 3, Poudre River - Agricultural)

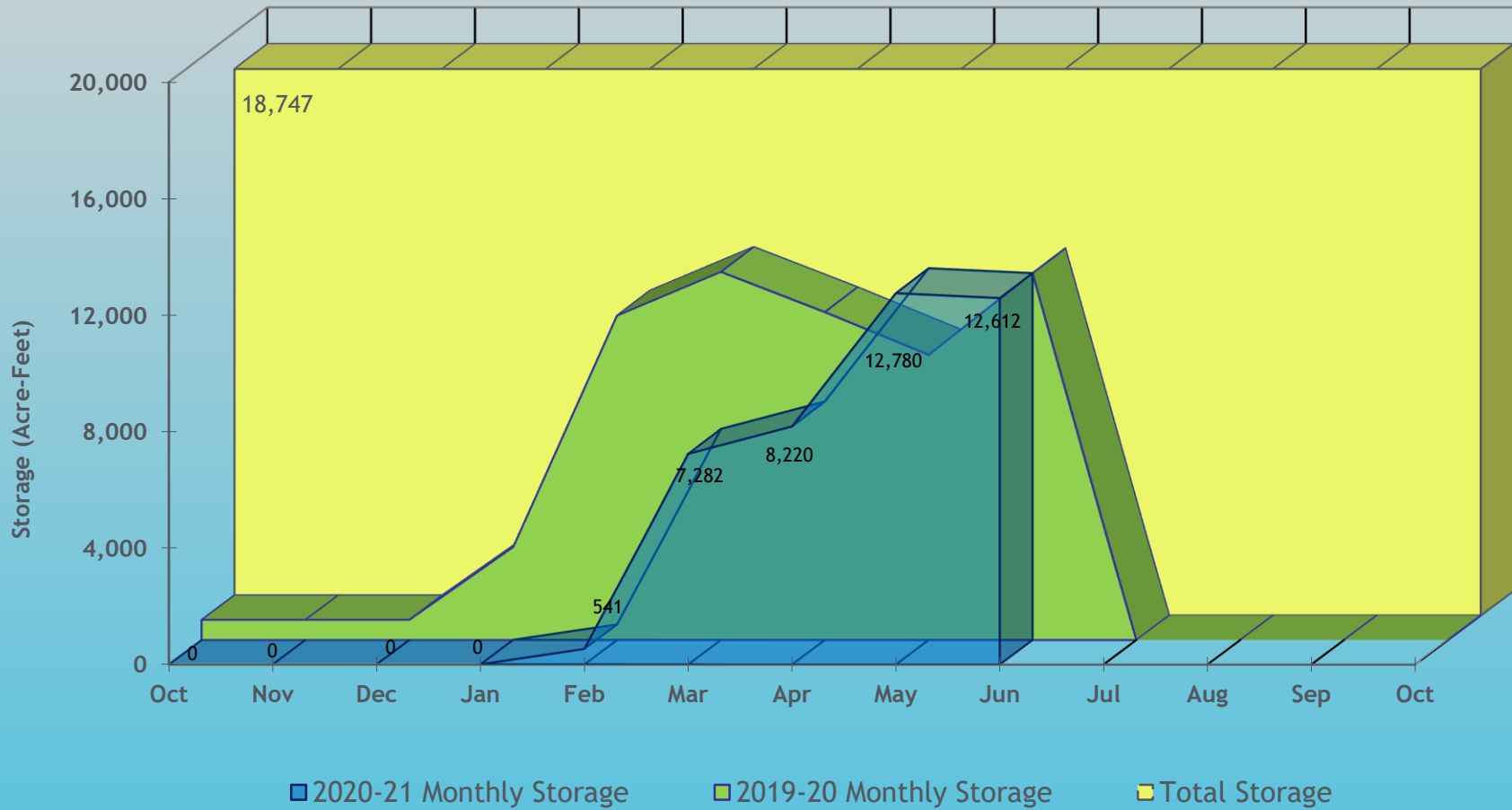


# Prospect Reservoir (District 1 - Agricultural)

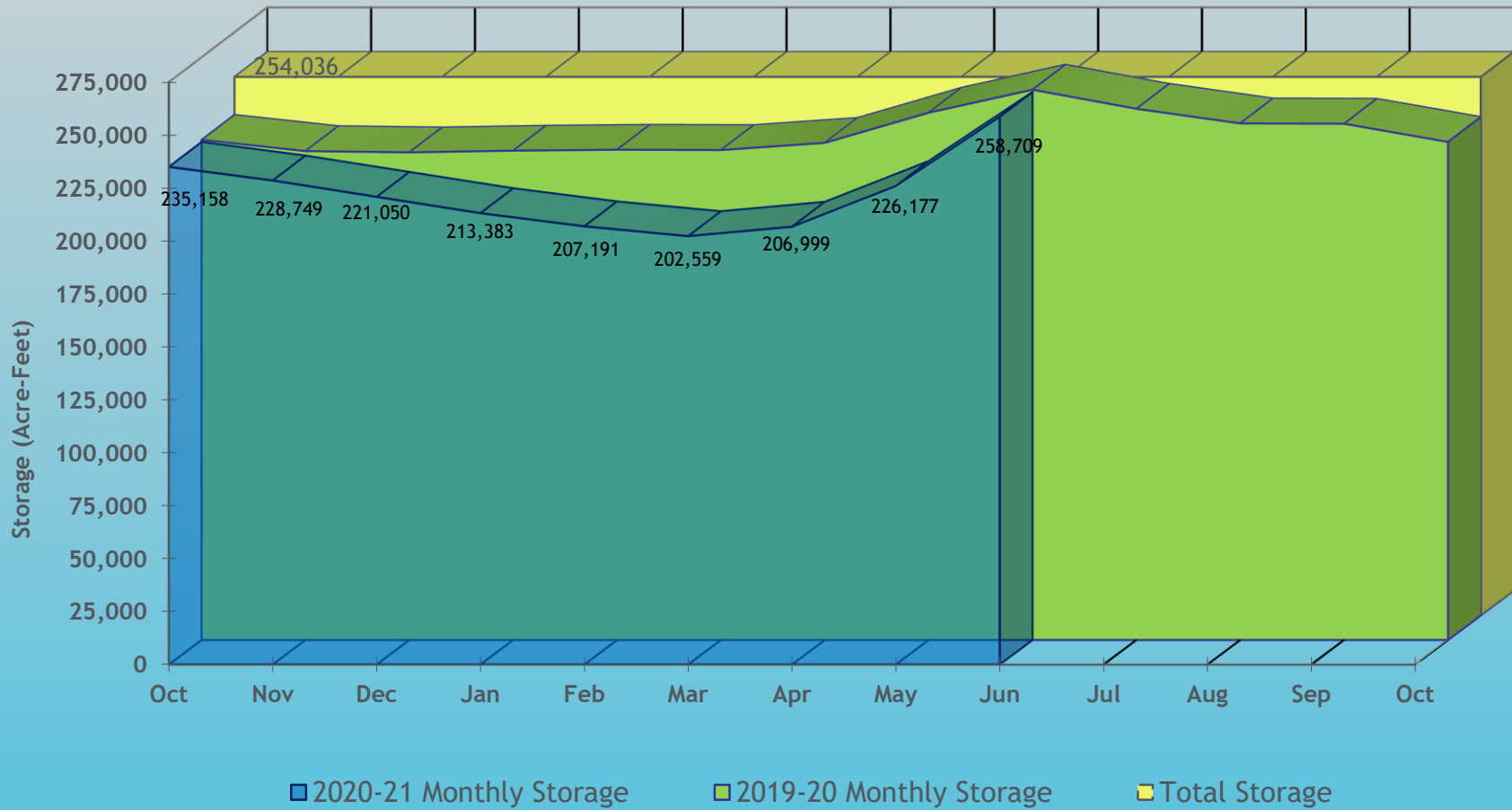




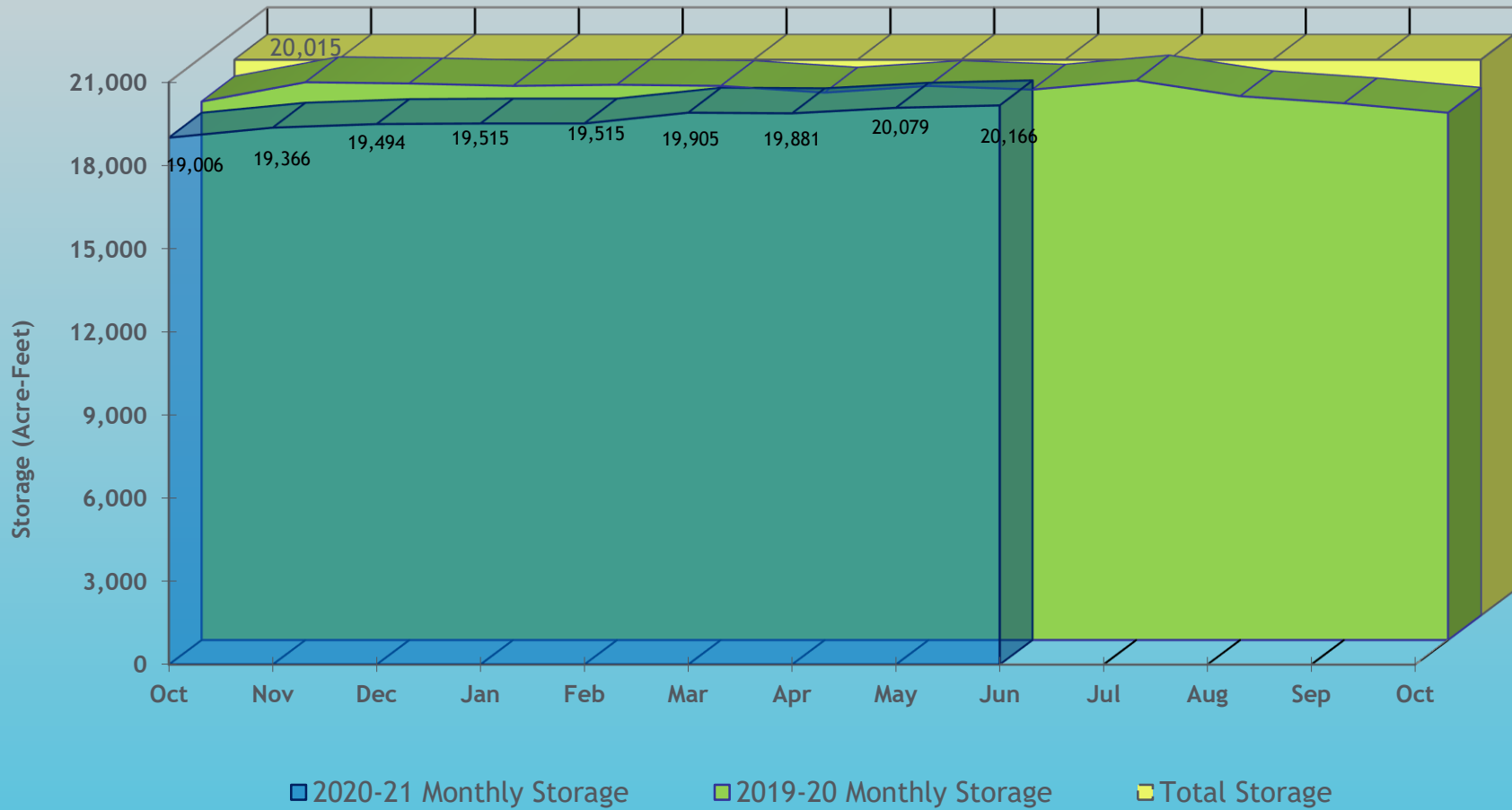
# Horse Creek Reservoir (District 1 - Agricultural)



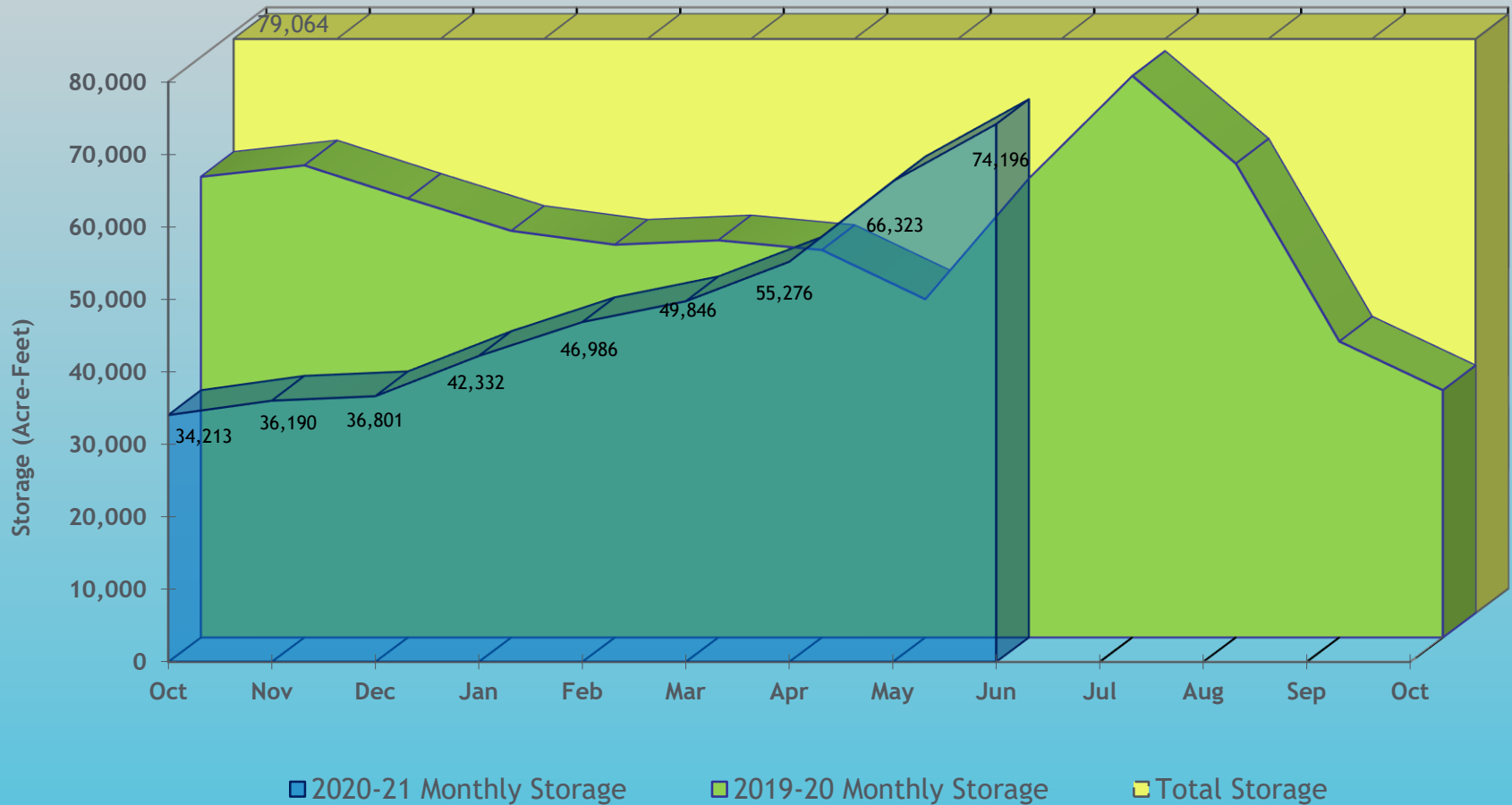
# Dillon Reservoir (District 1 - Municipal)



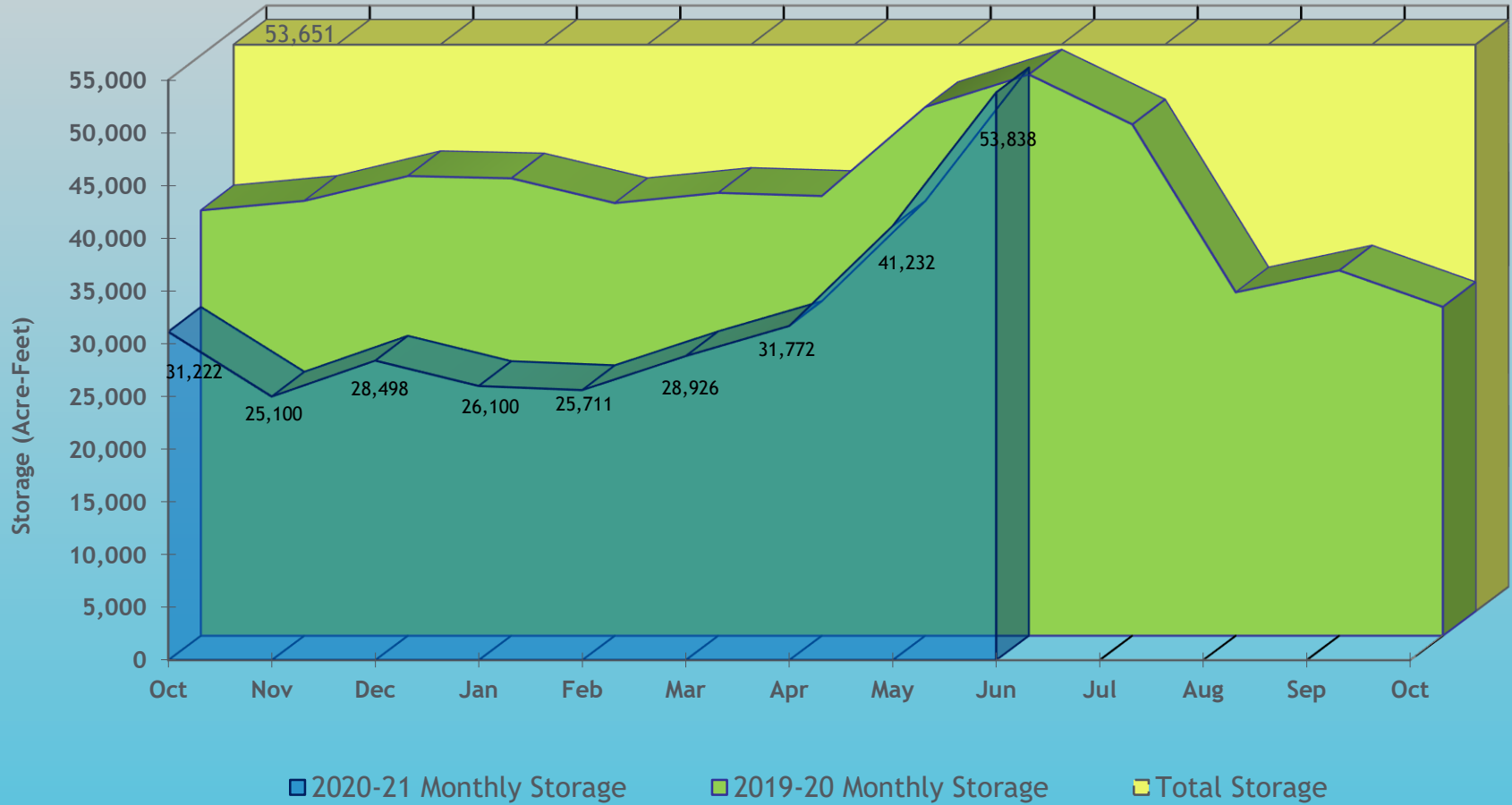
# Antero Reservoir (District 23 - Municipal)



# Cheesman Reservoir (District 80 - Municipal)

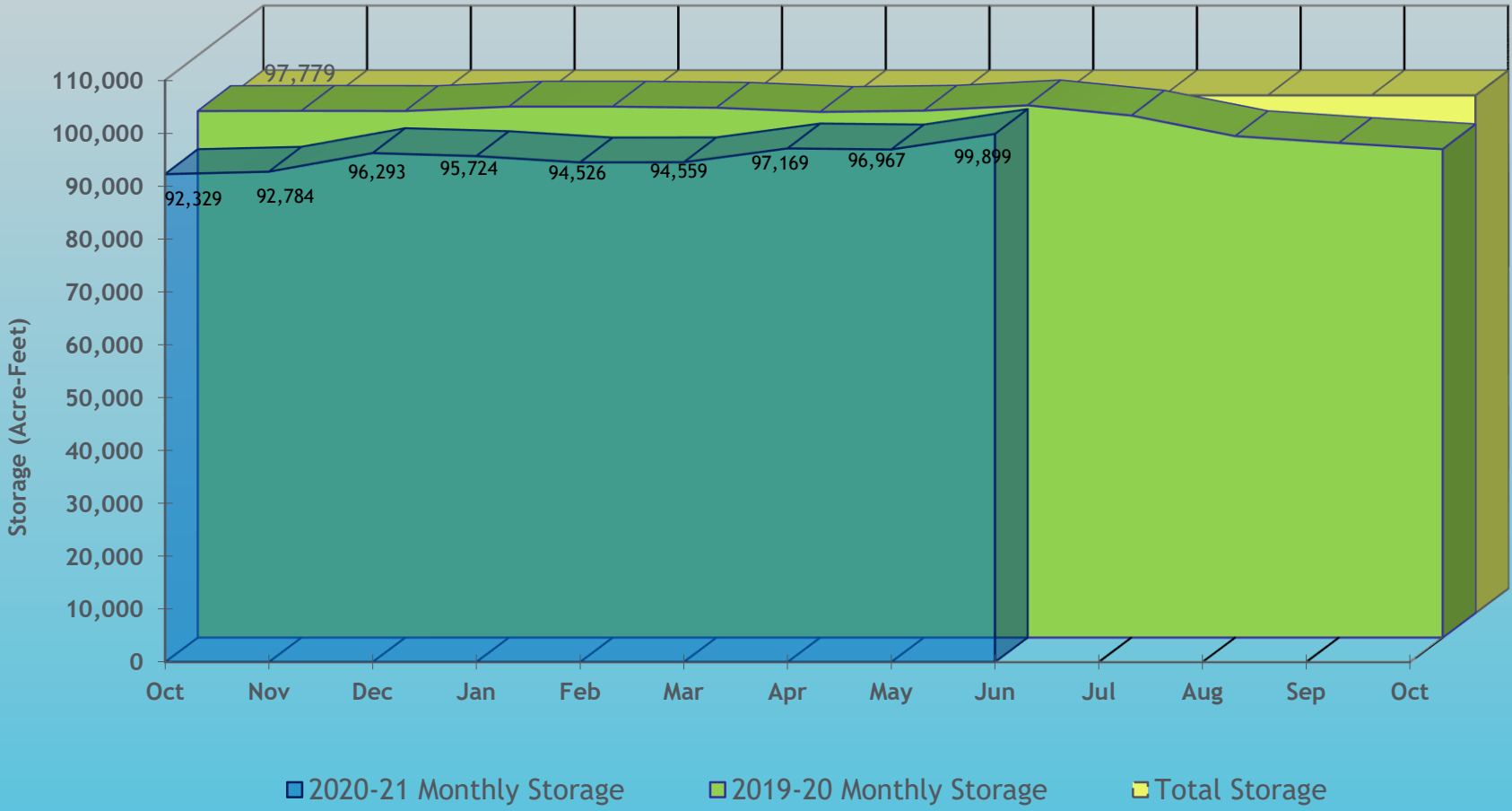


# Spinney Mountain Reservoir (District 23 - Municipal)





# Eleven Mile Reservoir (District 23 - Municipal)



# Lake Granby

