



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

## South Platte Summary April 2021

Compiled by Lee Cunning, P.E.

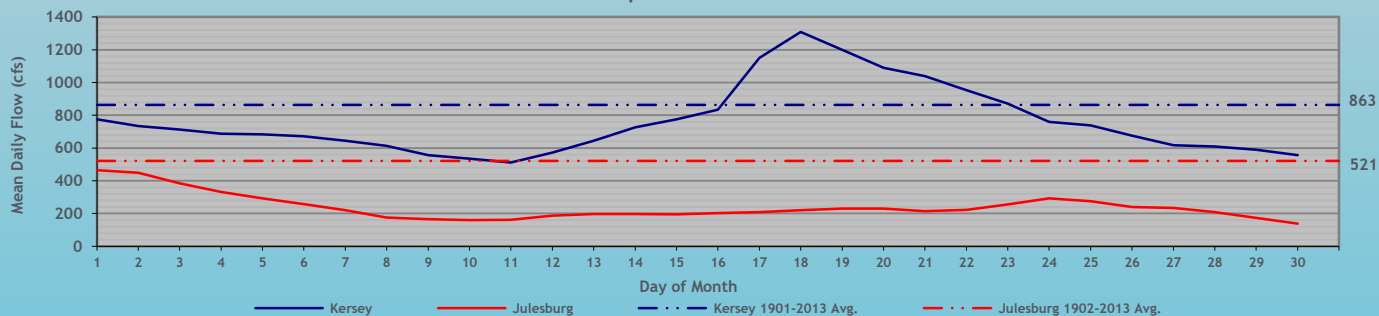
# COLORADO DIVISION OF WATER RESOURCES, DIVISION 1

## MONTH OF April 2021

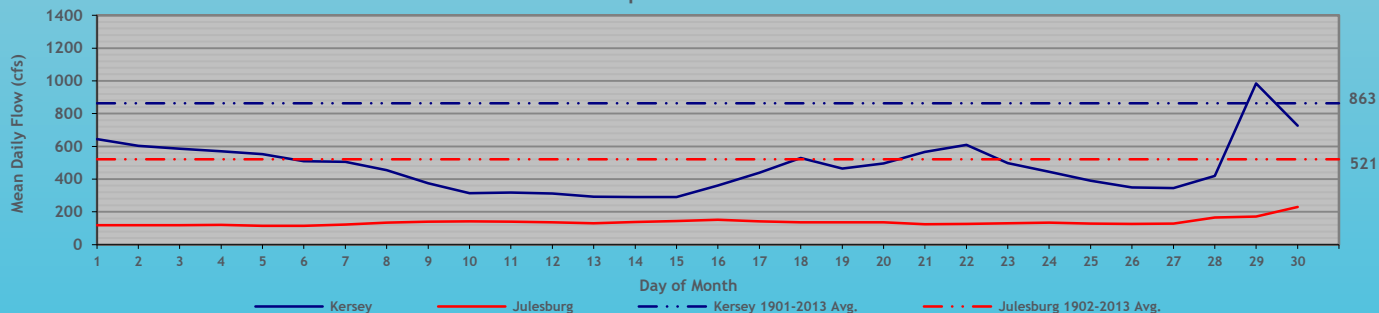
RESERVOIR	FULL ALLOWABLE CAPACITY (ACRE FEET)	FIRST OF MONTH (ACRE FEET)	END OF MONTH (ACRE FEET)	DISTRICT	CHANGE IN STORAGE (ACRE FEET)	% CHANGE IN STORAGE BASED ON FIRST OF MONTH STORAGE	% OF CURRENT FULL ALLOWABLE CAPACITY	% OF CURRENT FULL ALLOWABLE CAPACITY THIS MONTH LAST YEAR	SURCHARGE (ACRE FEET)
JULESBURG	22,666	20,213	20,503	64	290	1%	90%	91%	0
N STERLING	73,730	70,012	70,300	64	288	0%	95%	93%	0
PREWITT	28,500	24,597	25,181	64	584	2%	88%	85%	0
JACKSON	27,257	26,056	26,057	1	1	0%	96%	95%	0
EMPIRE	37,700	32,618	32,618	1	0	0%	87%	86%	0
RIVERSIDE	63,113	54,552	55,234	1	682	1%	88%	86%	0
BARR LAKE	32,152	23,226	29,016	2	5,790	25%	90%	83%	0
CHEESMAN	79,064	49,846	55,276	80	5,430	11%	70%	68%	0
ELEVEN MILE	97,779	94,559	97,169	23	2,610	3%	99%	100%	0
SPINNEY	53,651	28,926	31,772	23	2,846	10%	59%	78%	0
ANTERO	20,015	19,905	19,881	23	-24	0%	99%	99%	0

RIVER GAGES	MEAN DAILY FLOW (CFS)
<b>KERSEY</b>	<b>474</b>
<b>JULESBURG</b>	<b>136</b>
<b>THIS MONTH LAST YEAR</b>	
<b>KERSEY</b>	<b>761</b>
<b>JULESBURG</b>	<b>240</b>
<b>MEAN FOR PERIOD OF RECORD*</b>	
<b>KERSEY</b>	<b>863</b>
<b>JULESBURG</b>	<b>521</b>
*Kersey 1901 - 2016	
*Julesburg 1902 - 2016	

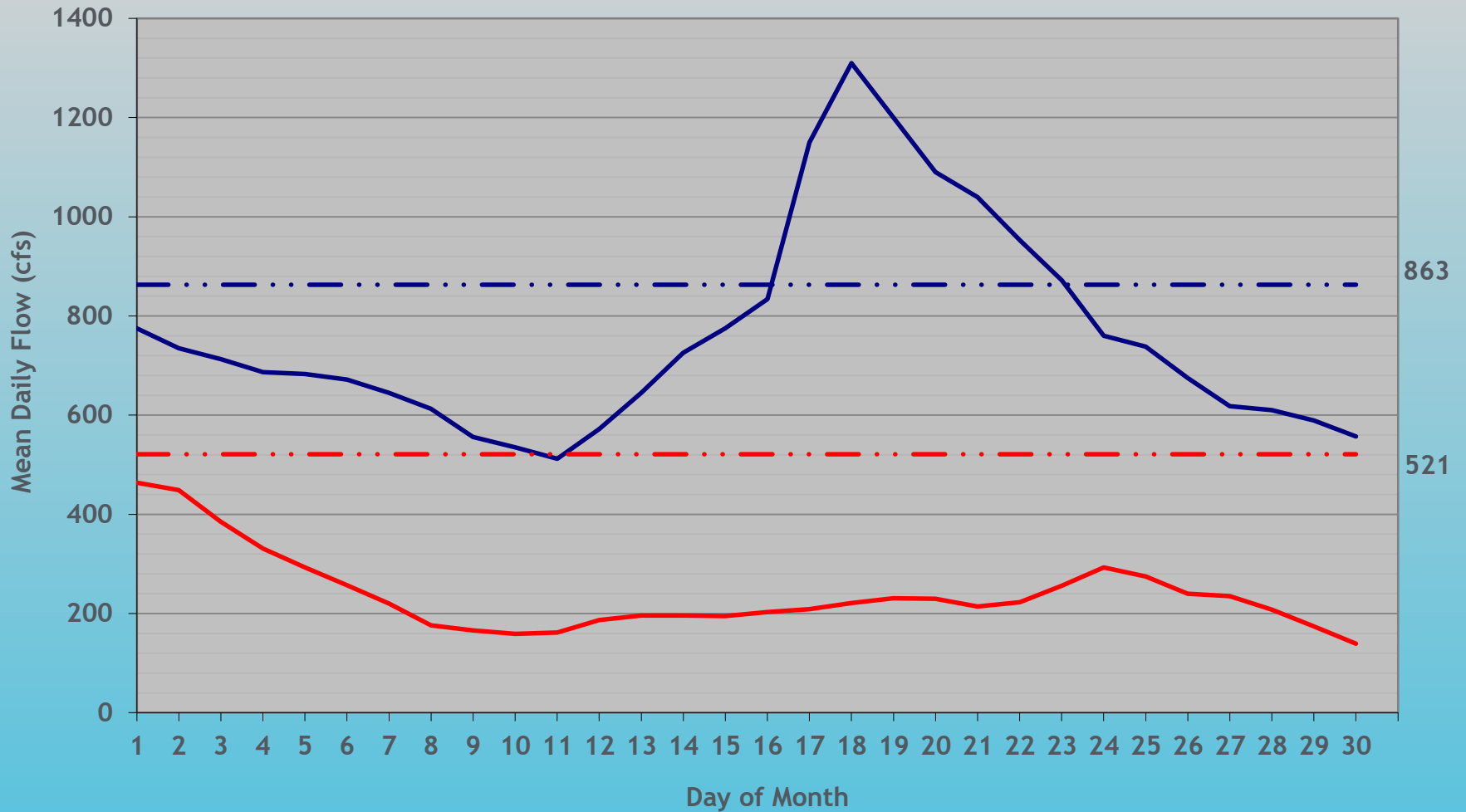
**KERSEY and JULESBURG**  
April 2020



**KERSEY and JULESBURG**  
April 2021

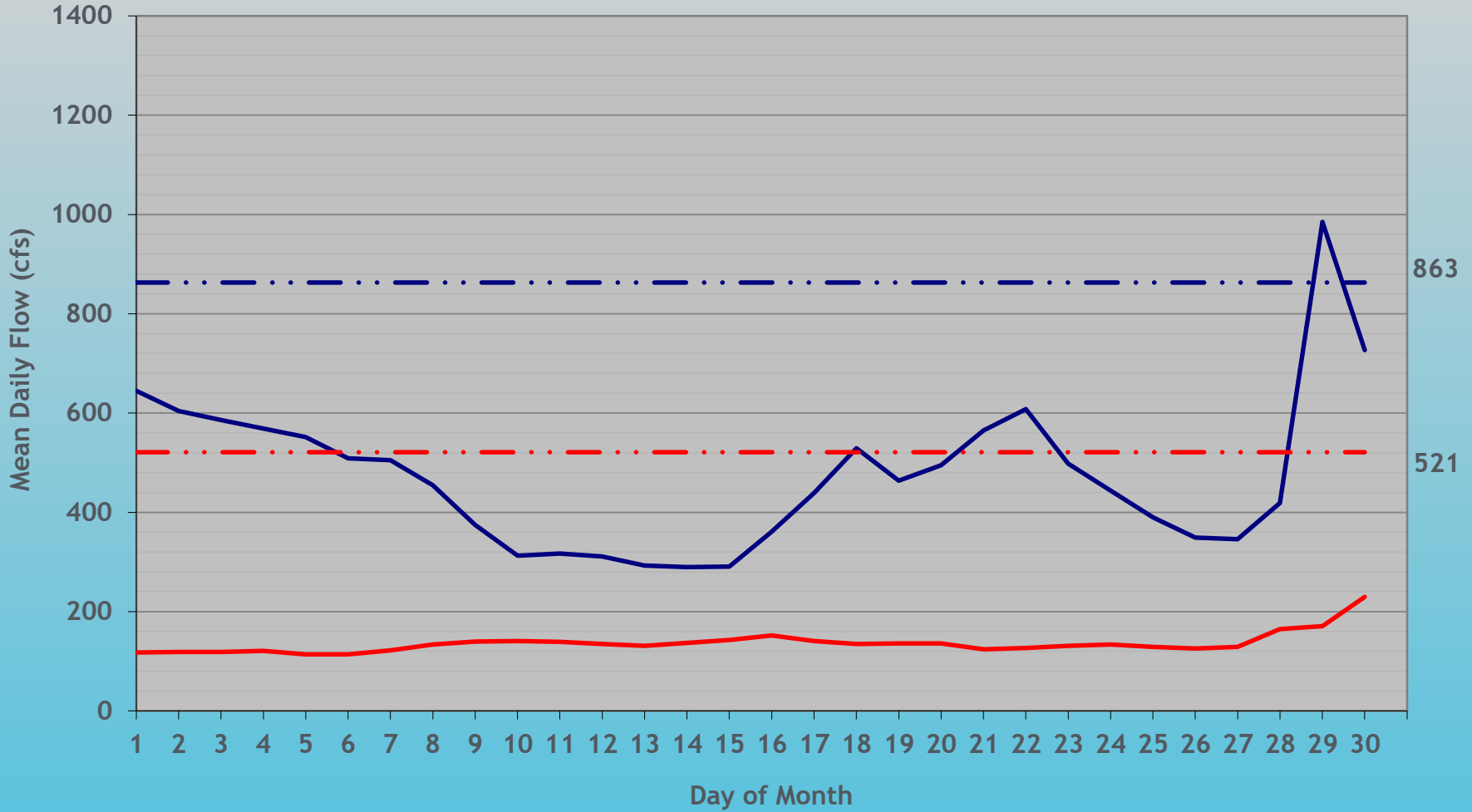


# KERSEY and JULESBURG April 2020



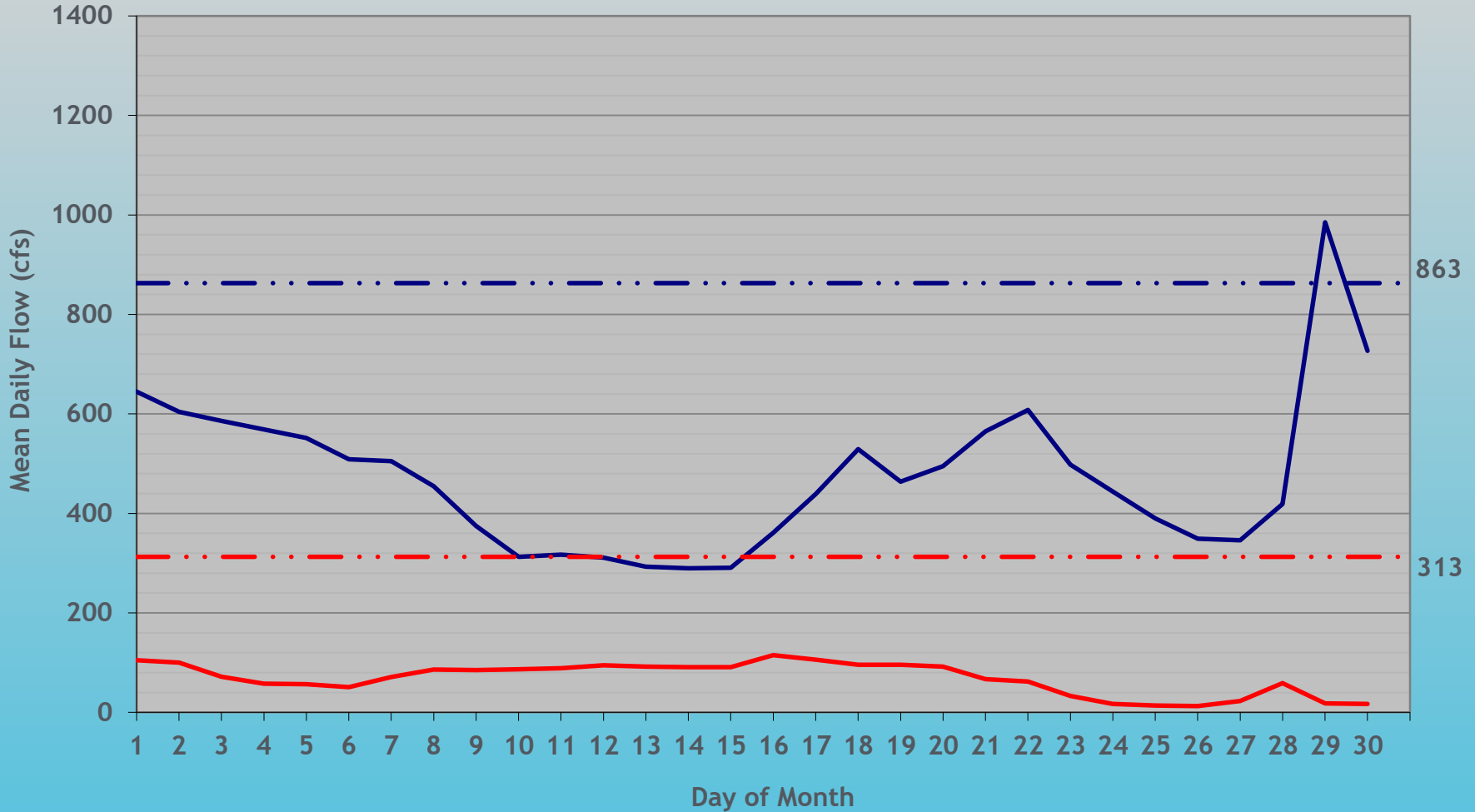
— Kersey — Julesburg — • Kersey 1901-2013 Avg. — • Julesburg 1902-2013 Avg.

# KERSEY and JULESBURG April 2021



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

# KERSEY and BALZAC April 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

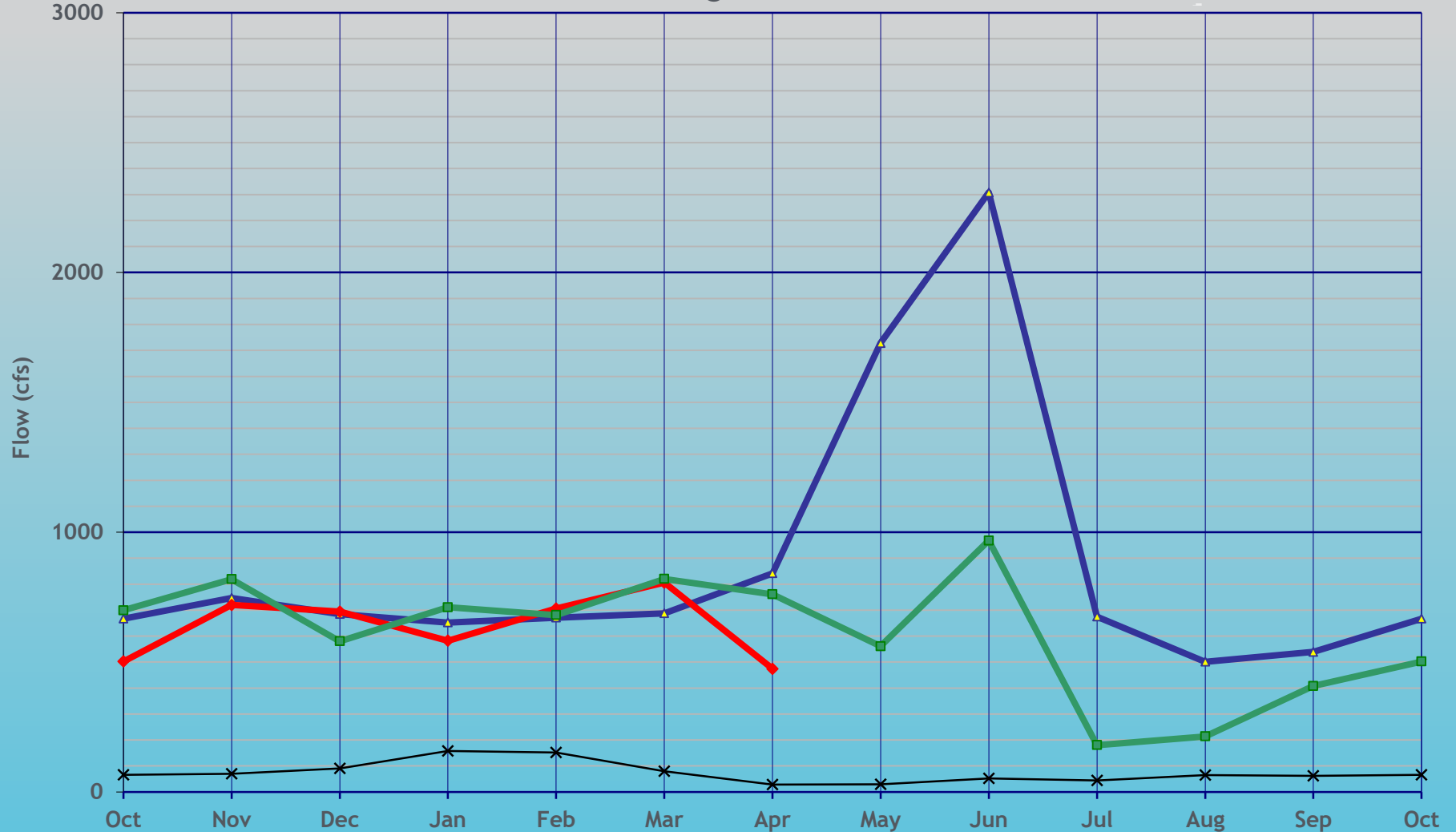
Month	Historic* Mean Flow	Historic* Max Flow	Year	Historic* Min Flow	Year	IY 2021 Mean Monthly Flow	Month	Historic* Mean Flow	Historic* Max Flow	Year	Historic* Min Flow	Year	IY 2021 Mean Monthly Flow
Oct	667	6180	1984	66	1954	502	Oct	299	3130	1984	4.2	1903	104
Nov	747	3650	1984	70	1934	720	Nov	335	2900	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		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



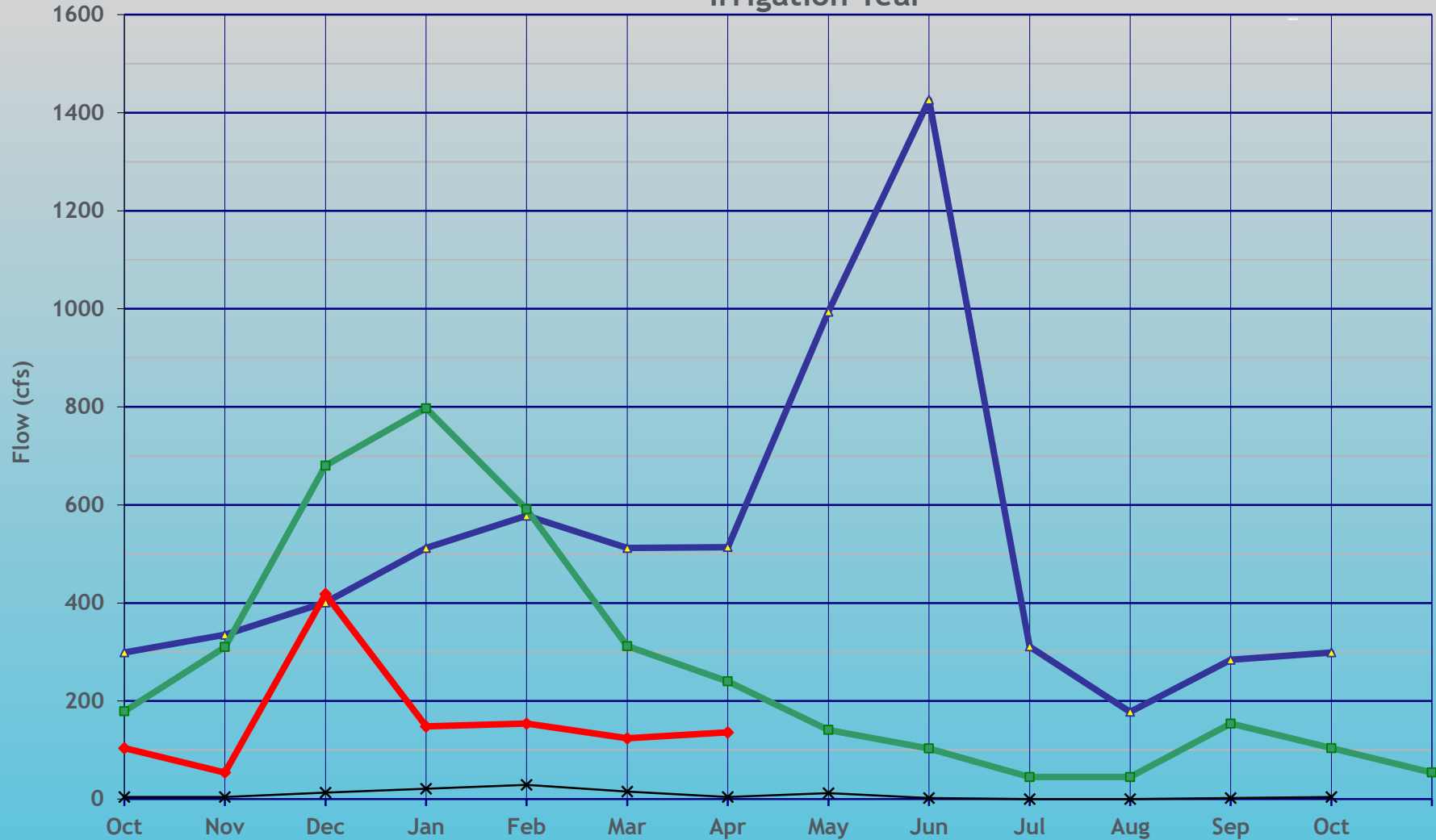
▲ Historic\* Mean Flow    × Historic\* Min Flow    ◆ 2020-2021 Mean Flow    ◻ 2019-2020 Mean Flow

\*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

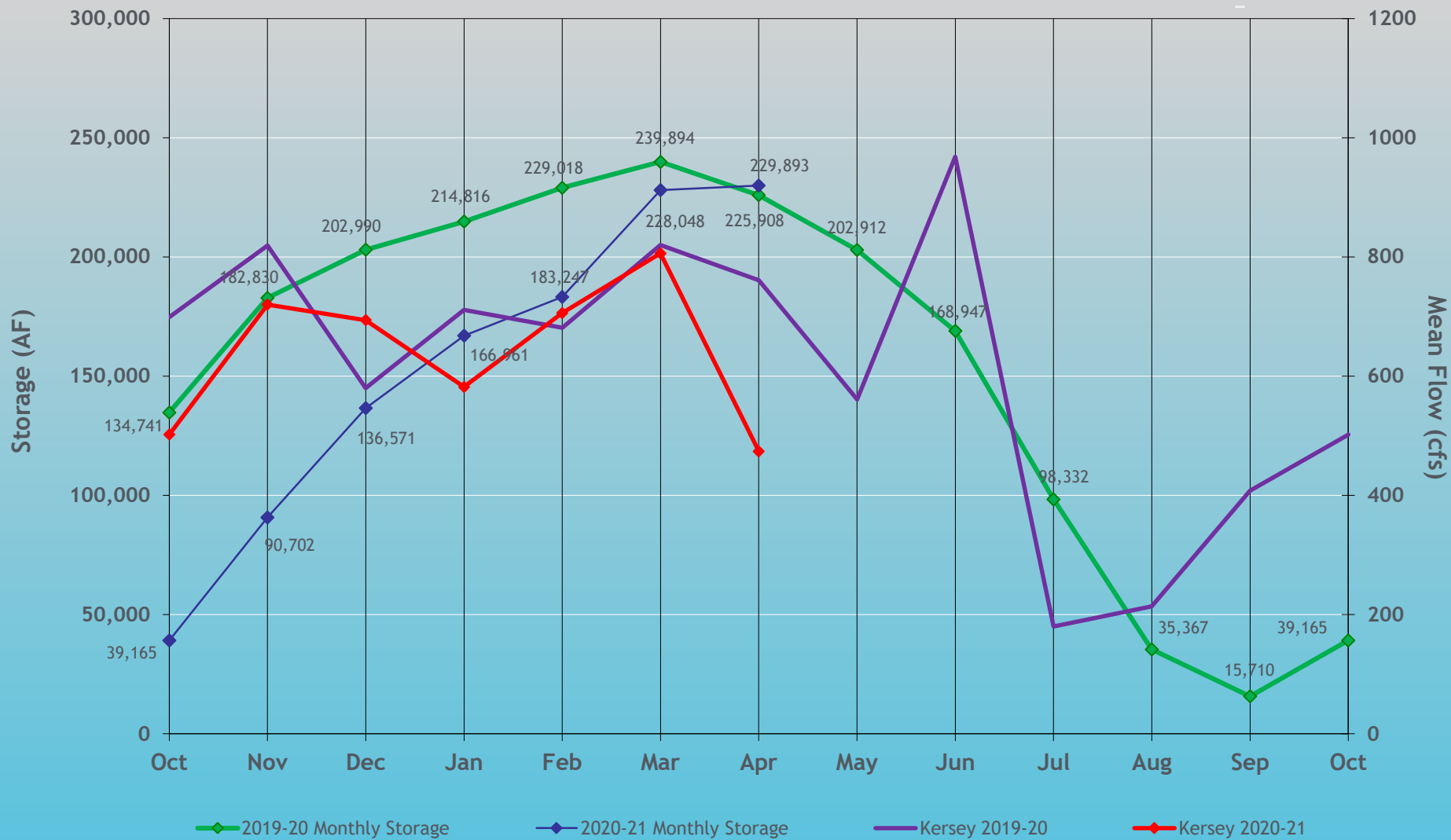




Next three slides show Reservoir Storage above and below Kersey

# Reservoir Storage below Kersey

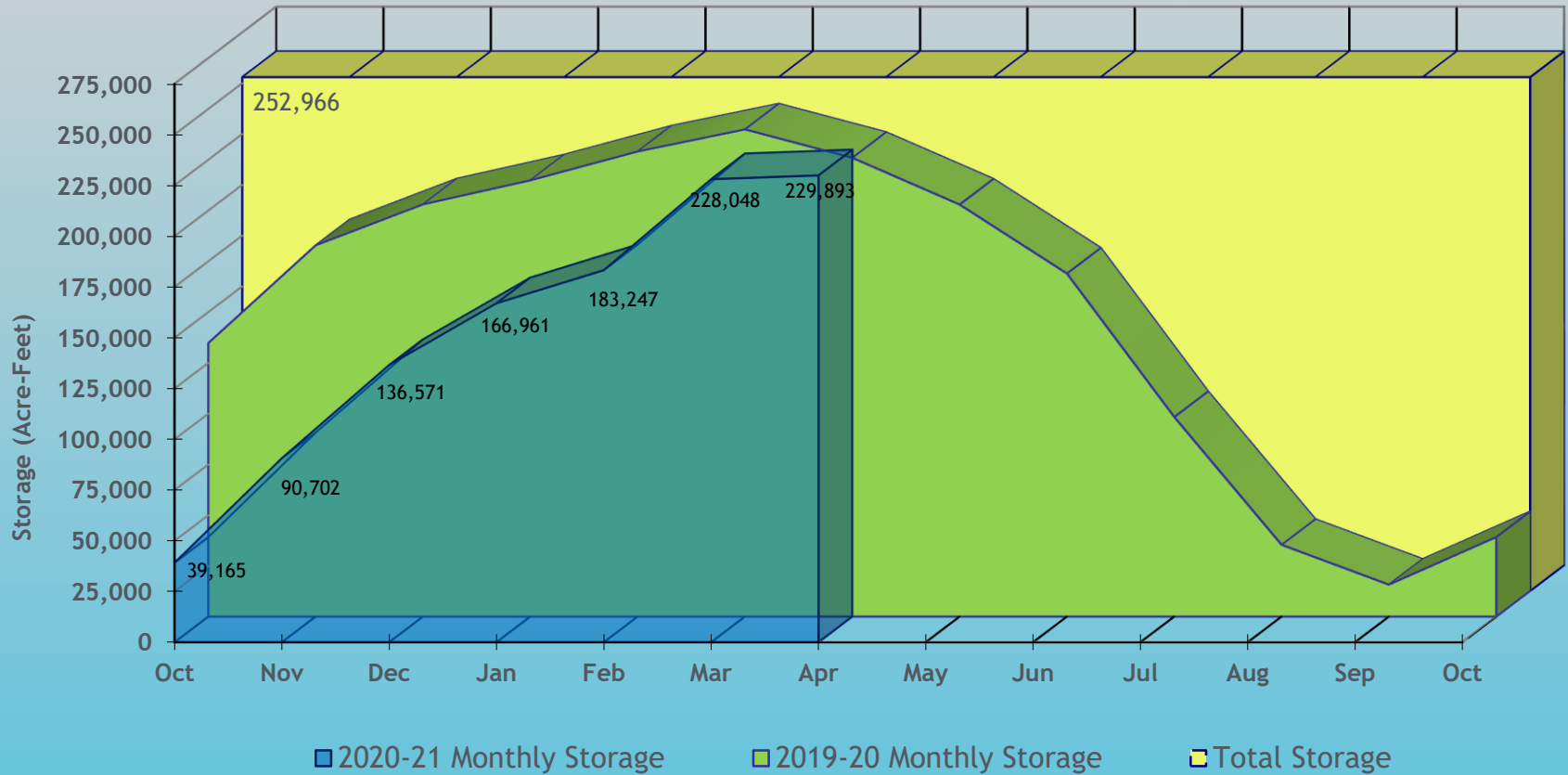
Selected Reservoirs\*



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



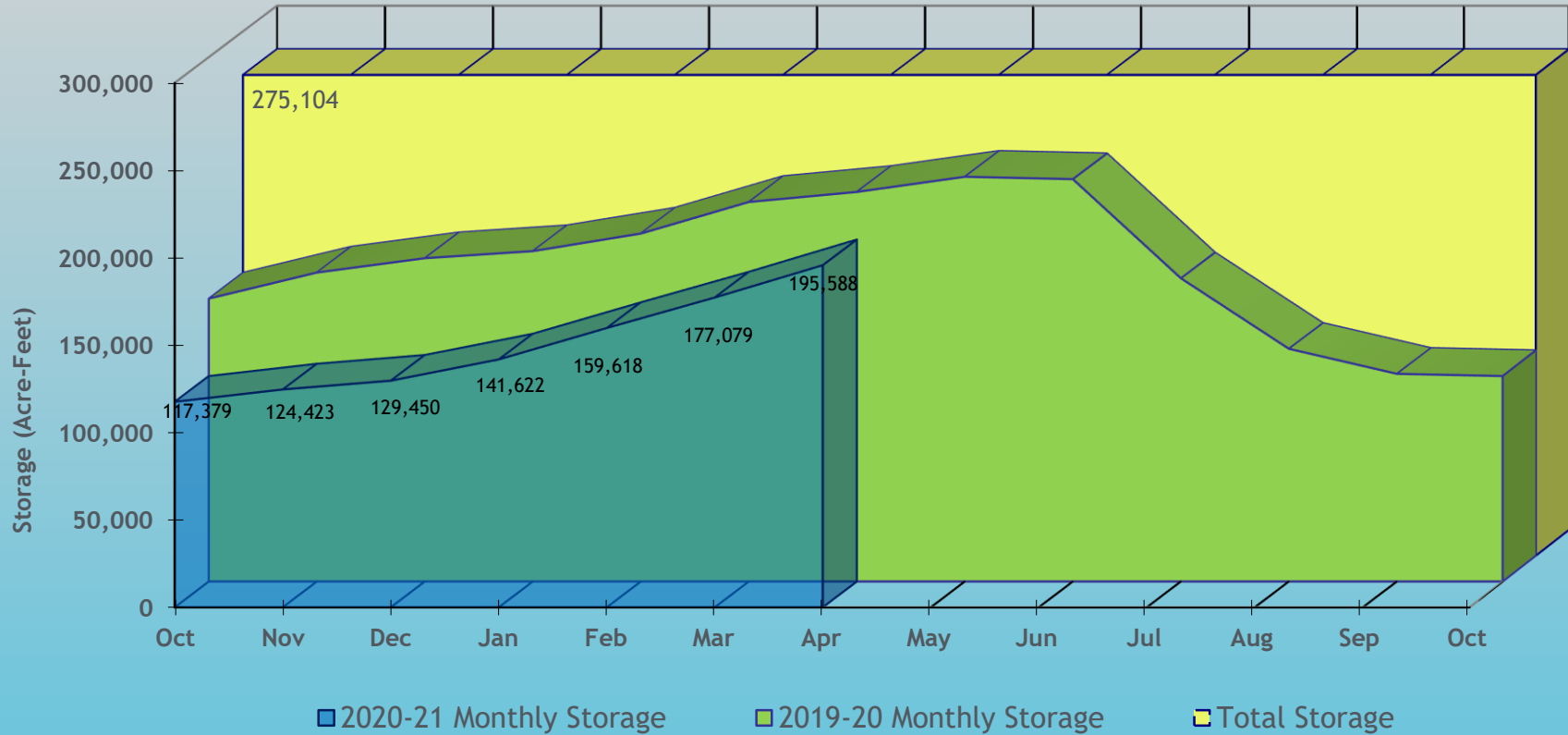
# South Platte Reservoir Storage below Kersey\*



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



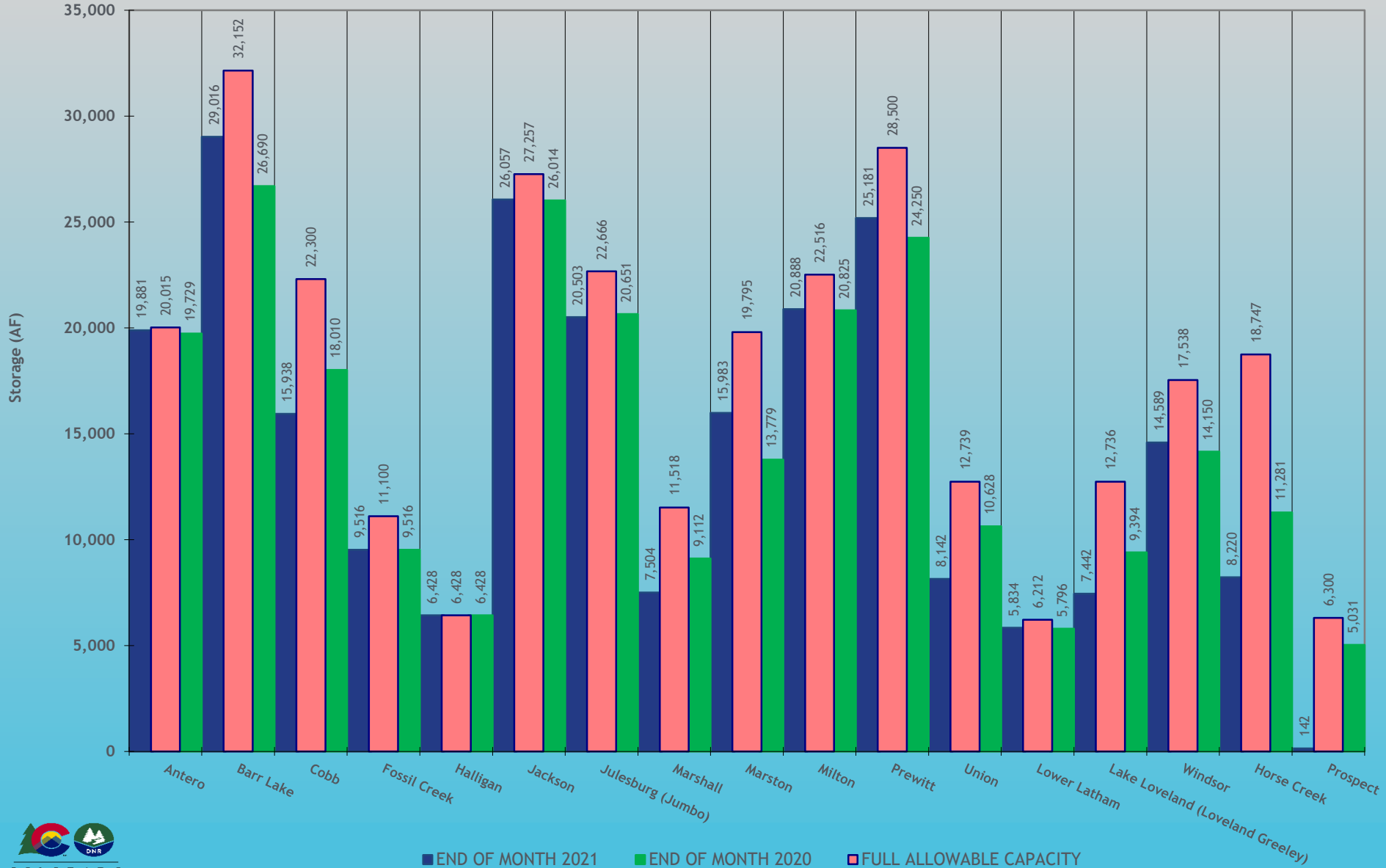
# South Platte Reservoir Storage above Kersey\*



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

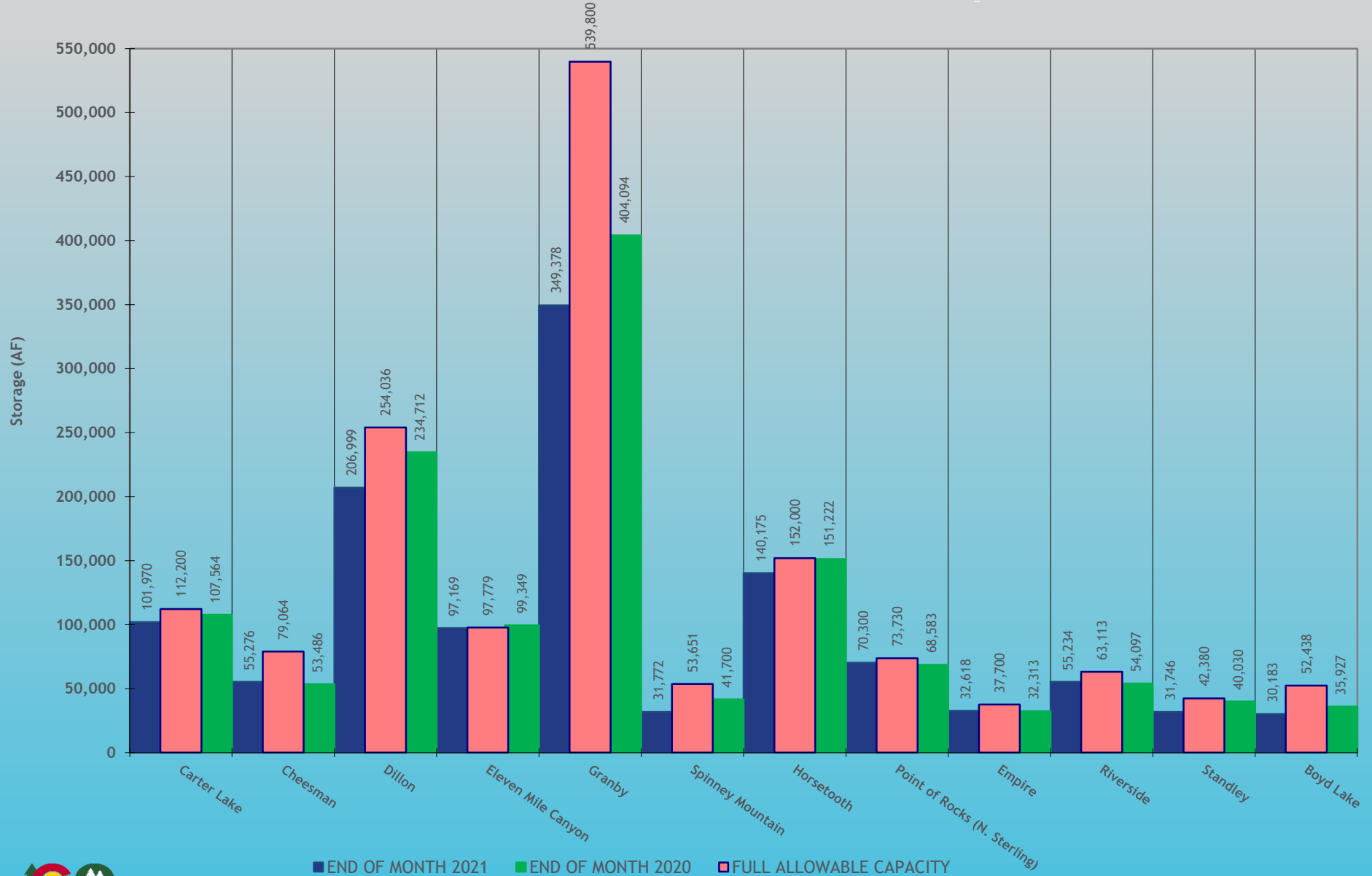


# April Reservoir Change in Storage IY2020 versus IY2021

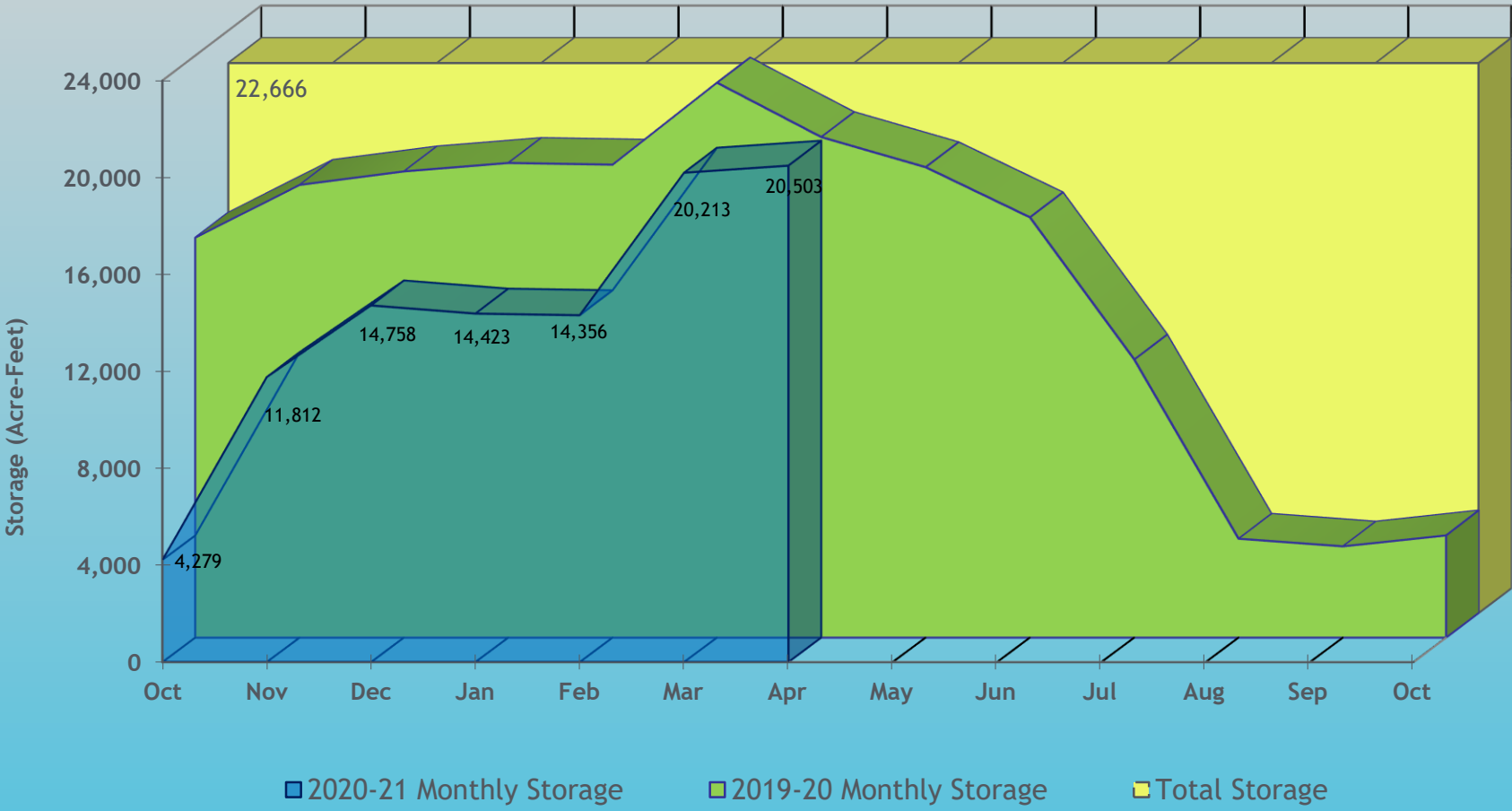


■ END OF MONTH 2021   ■ END OF MONTH 2020   ■ FULL ALLOWABLE CAPACITY

# April Reservoir Change in Storage IY2020 versus IY2021

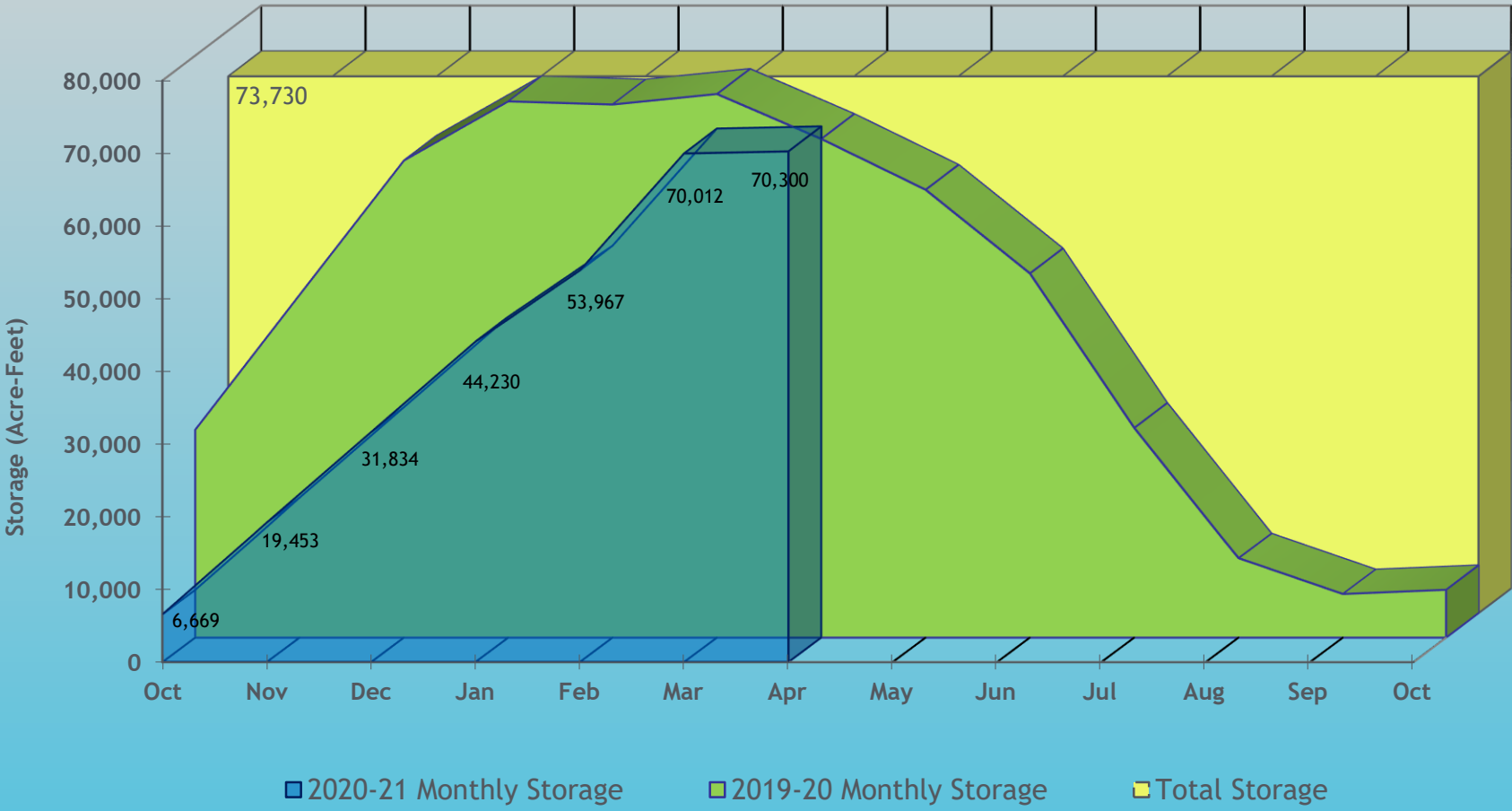


# Julesburg Reservoir (District 64 - Agricultural)

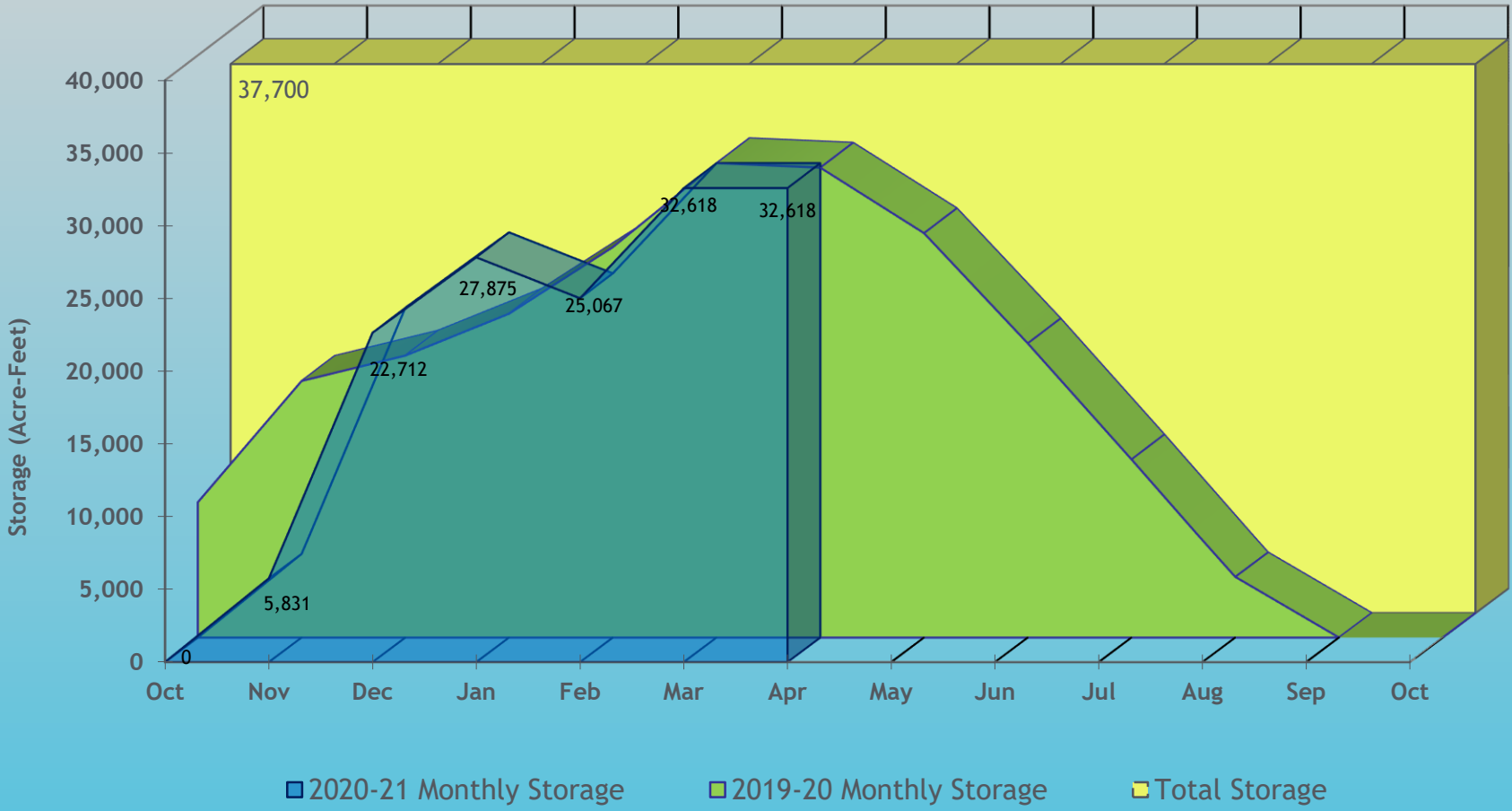




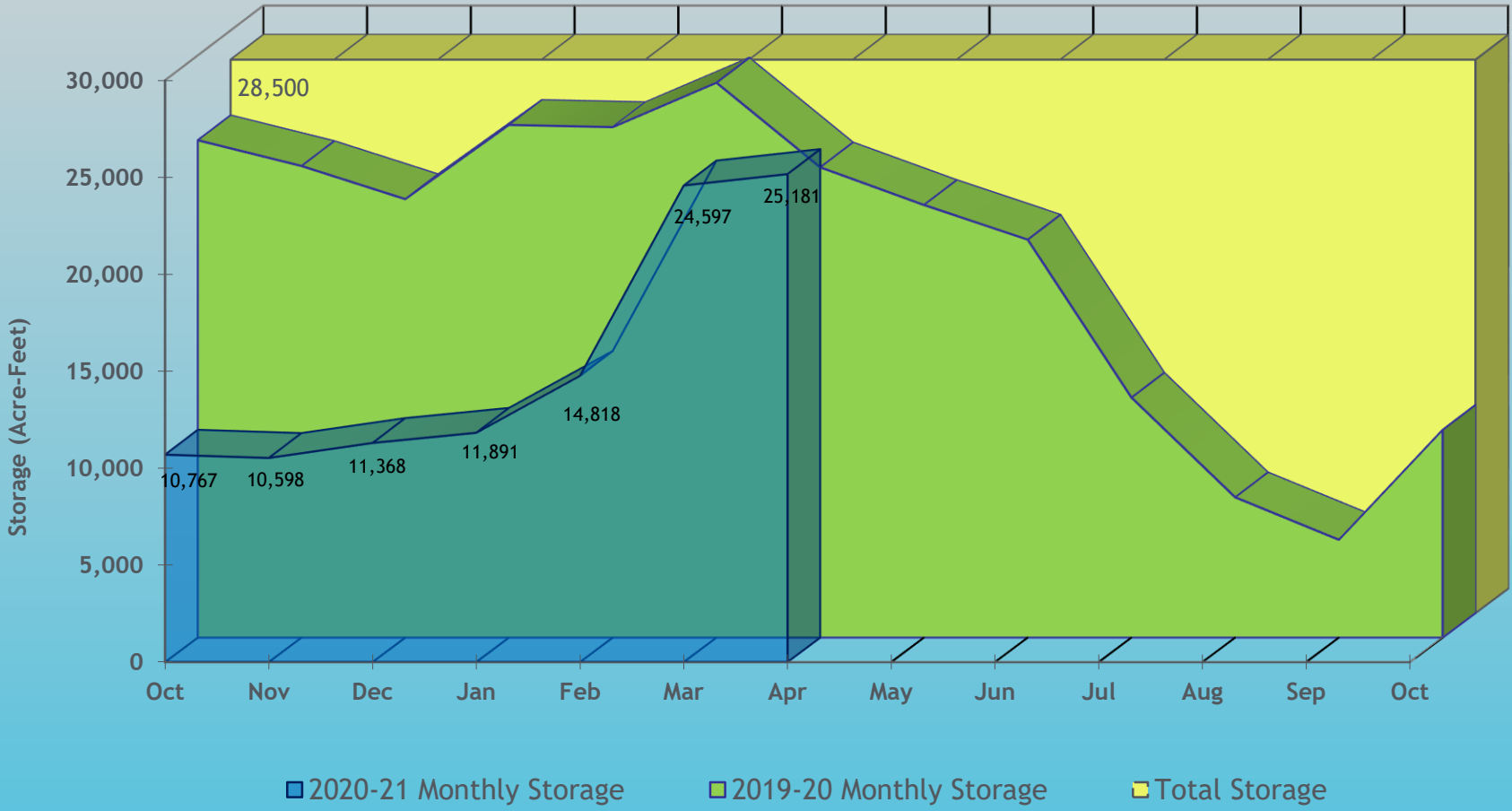
# North Sterling Reservoir (District 64 - Agricultural)



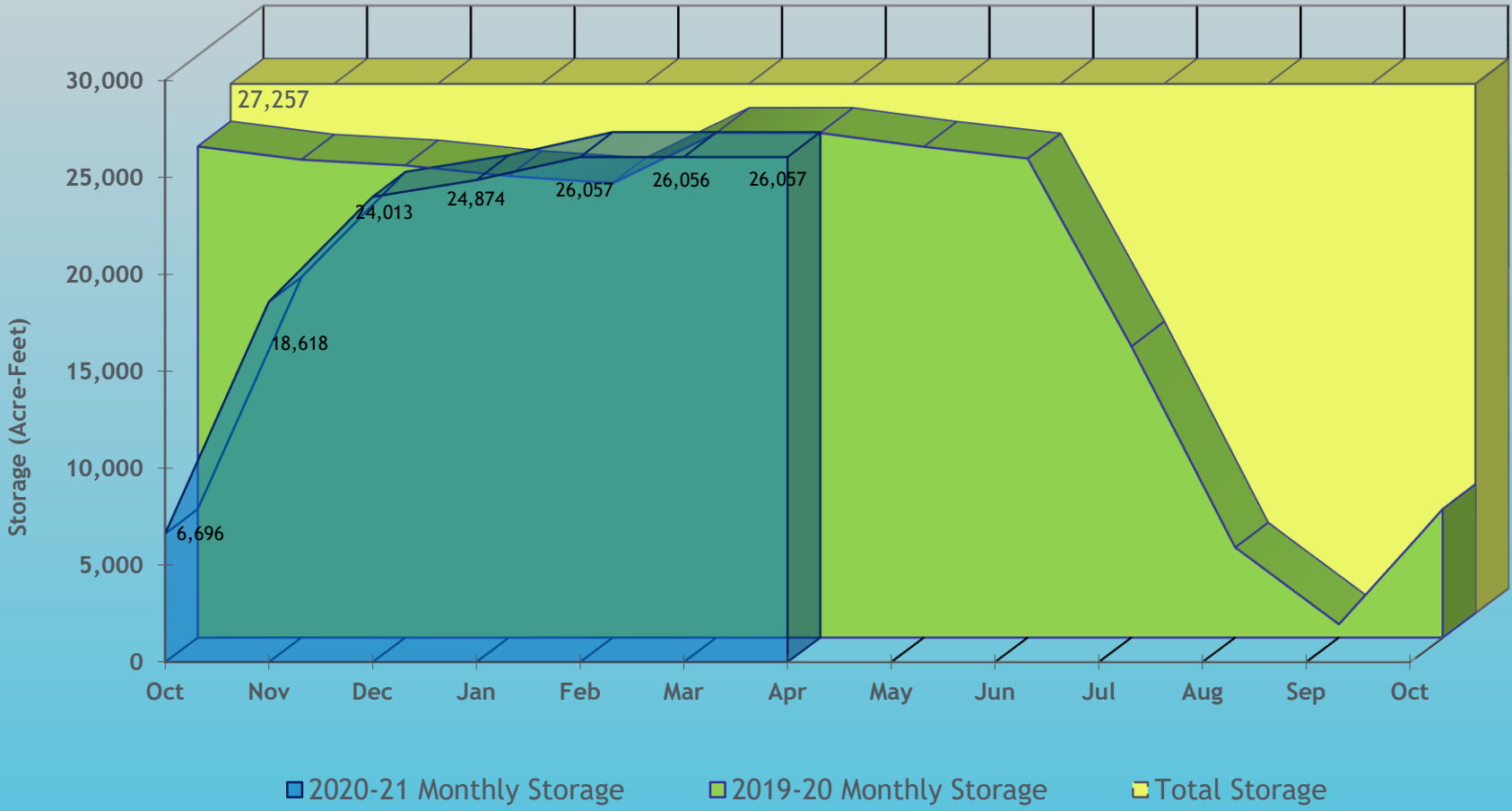
# Empire Reservoir (District 1 - Agricultural)



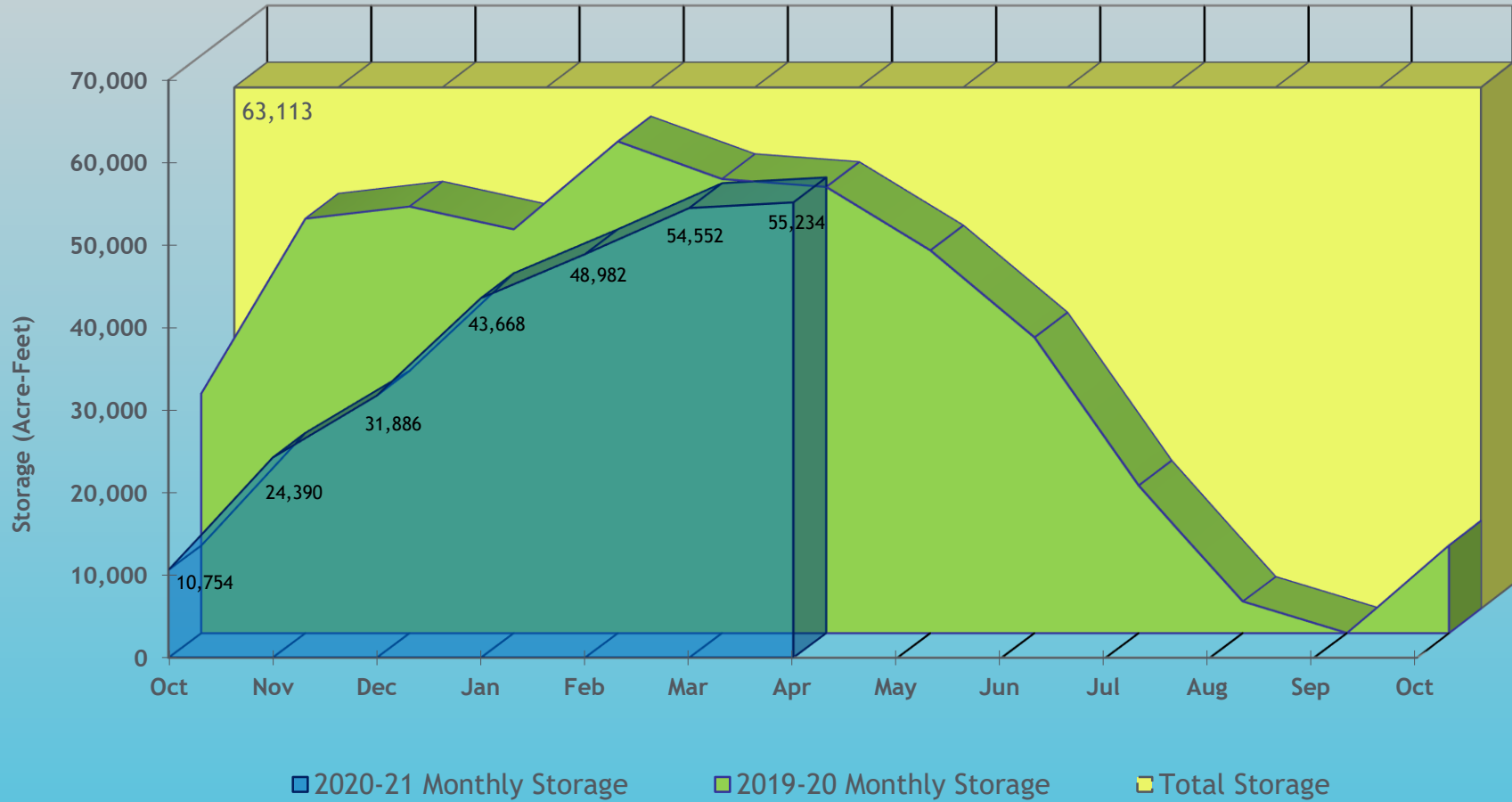
# Prewitt Reservoir (District 64 - Agricultural)



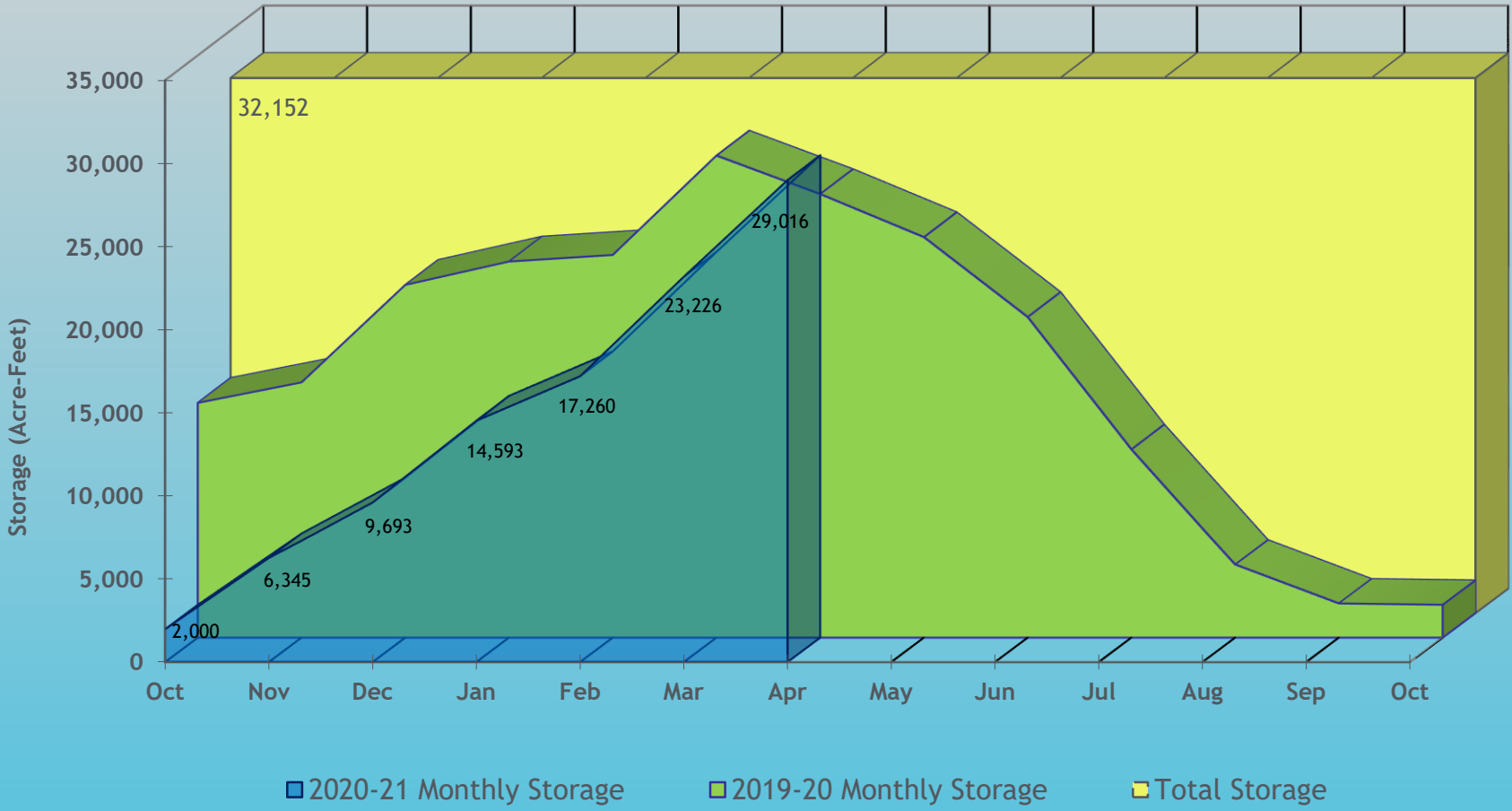
# Jackson Reservoir (District 1 - Agricultural)



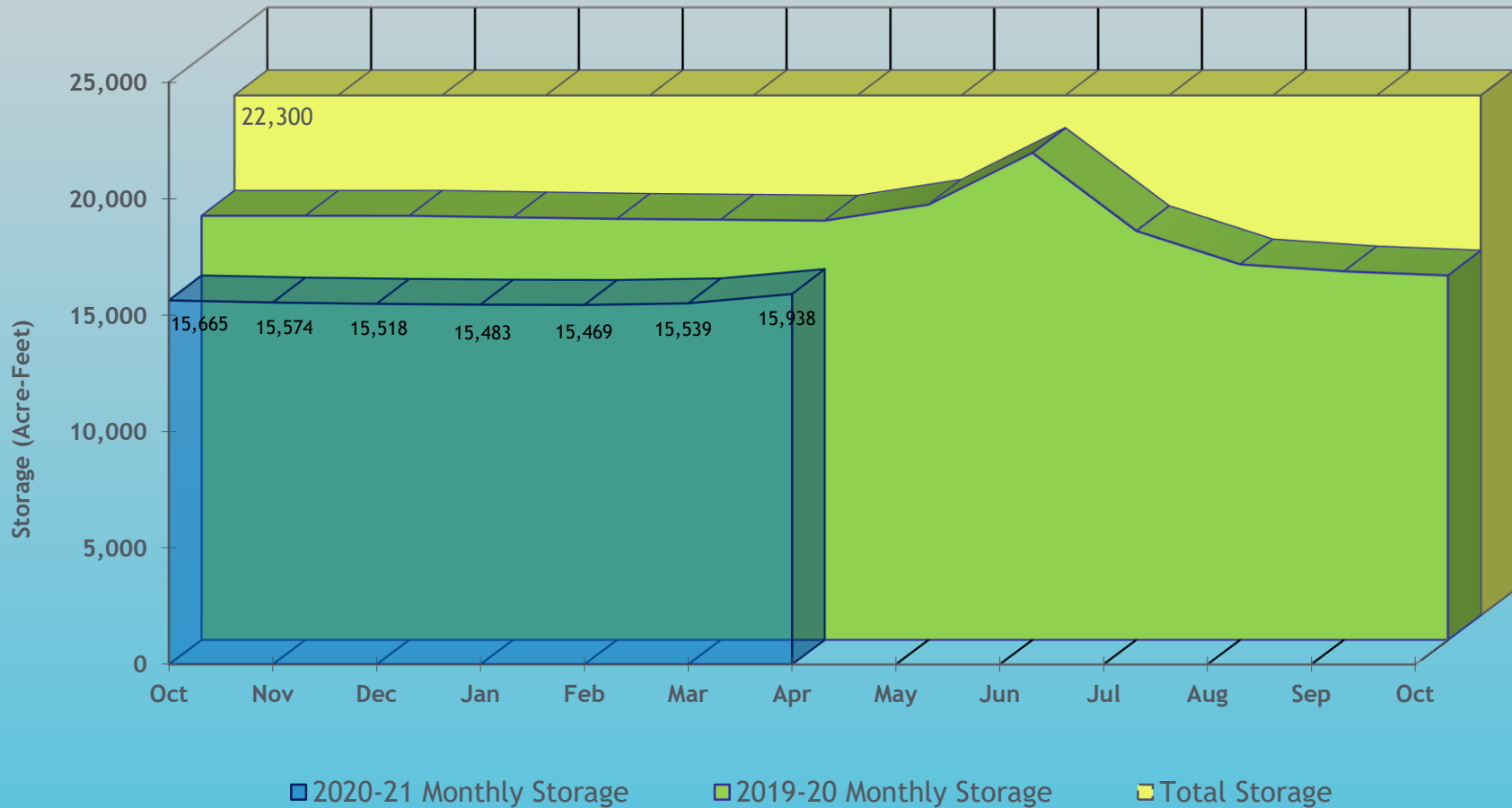
# Riverside Reservoir (District 1 - Agricultural)



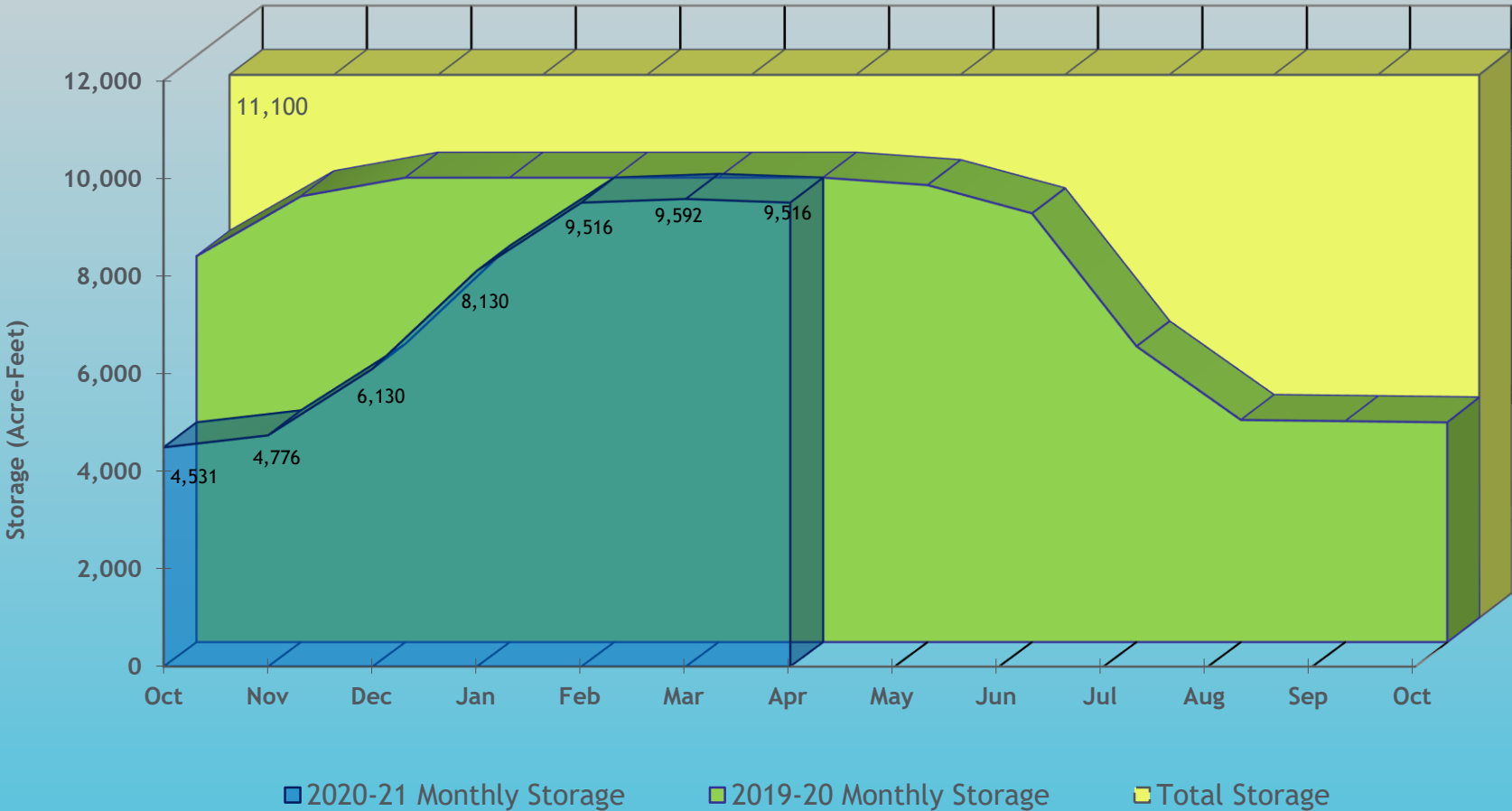
# Barr Reservoir (District 2 - Agricultural)



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

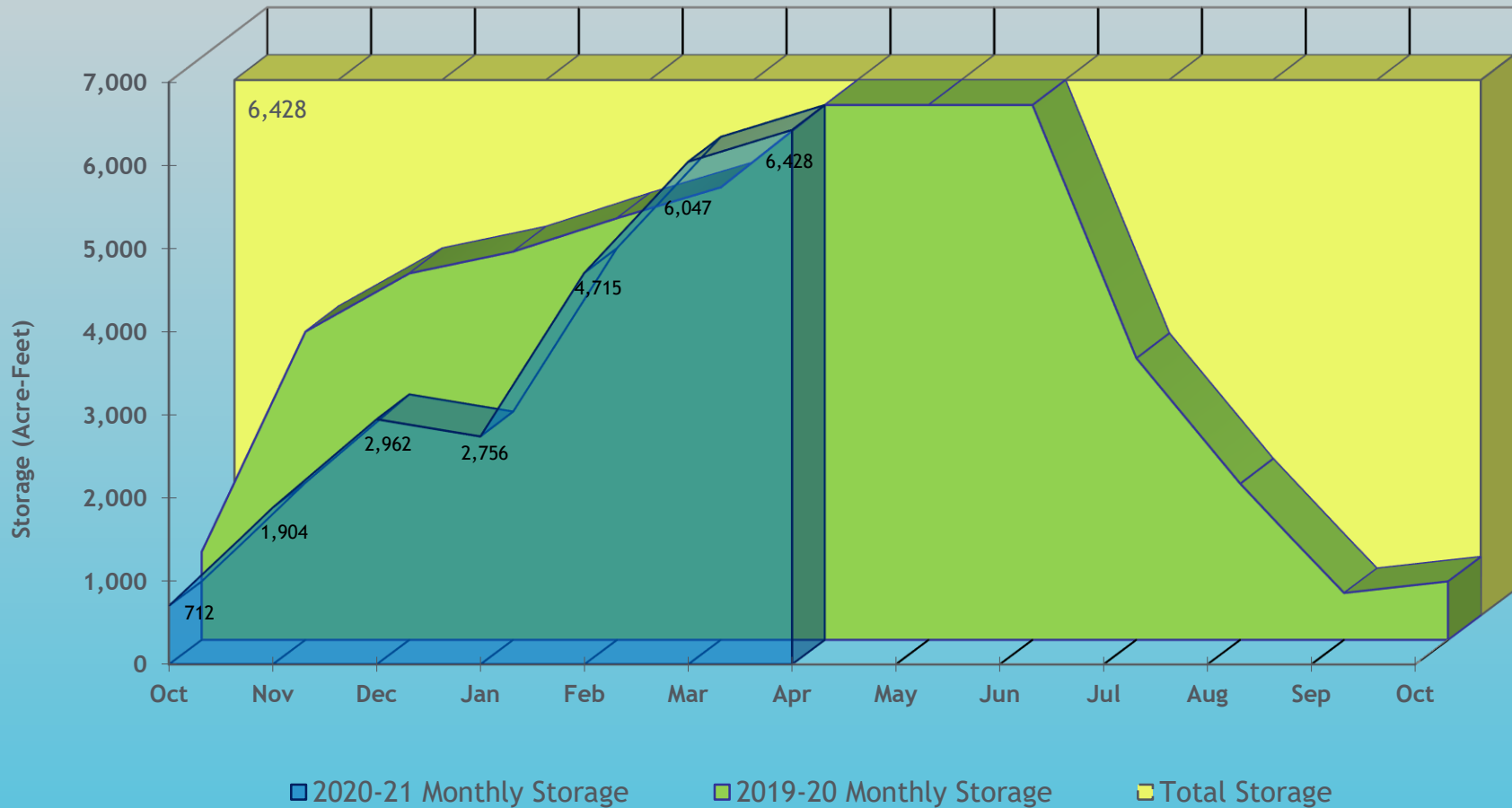


# Fossil Creek Reservoir (District 3, Poudre River - Agricultural)

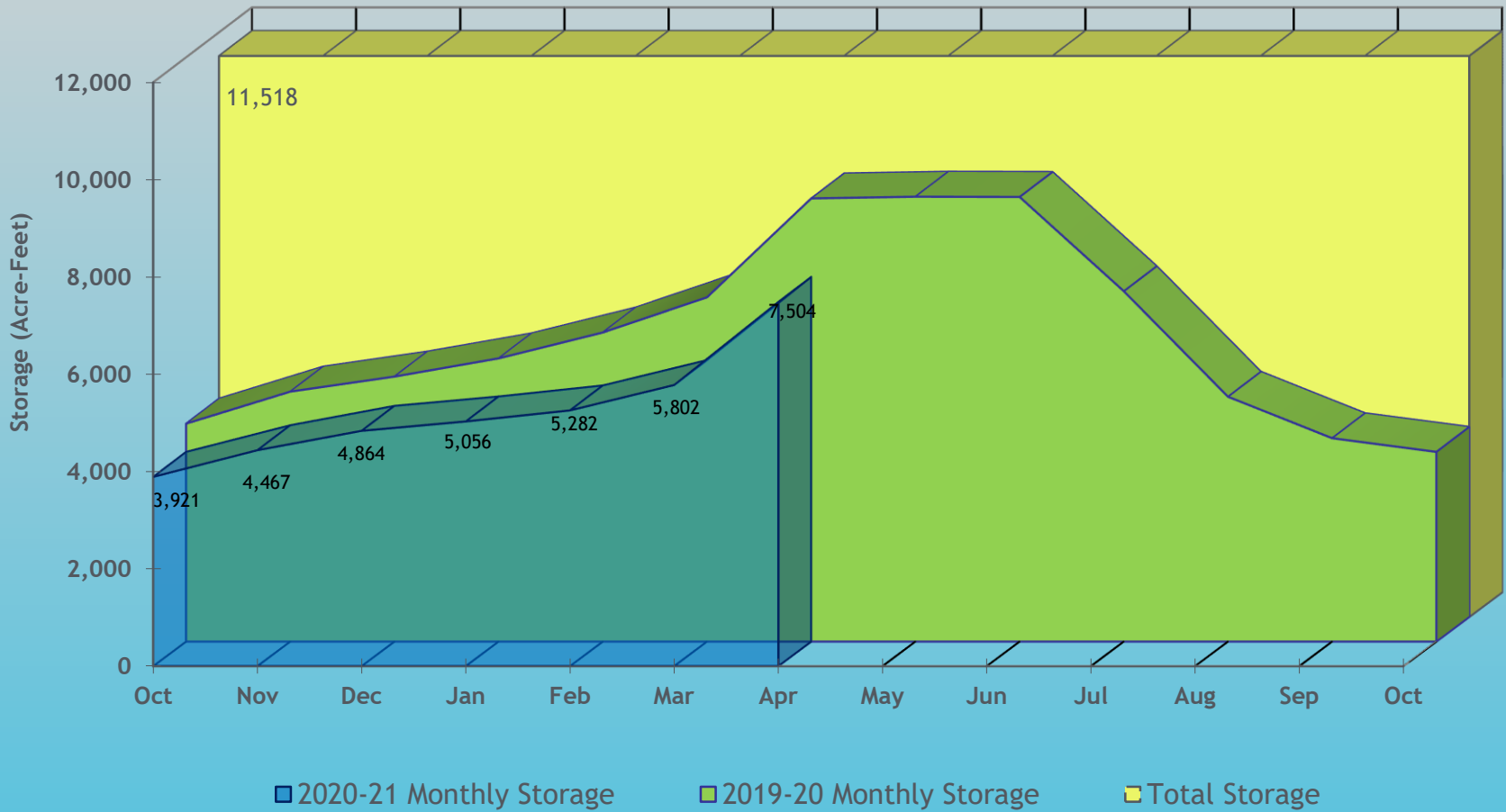




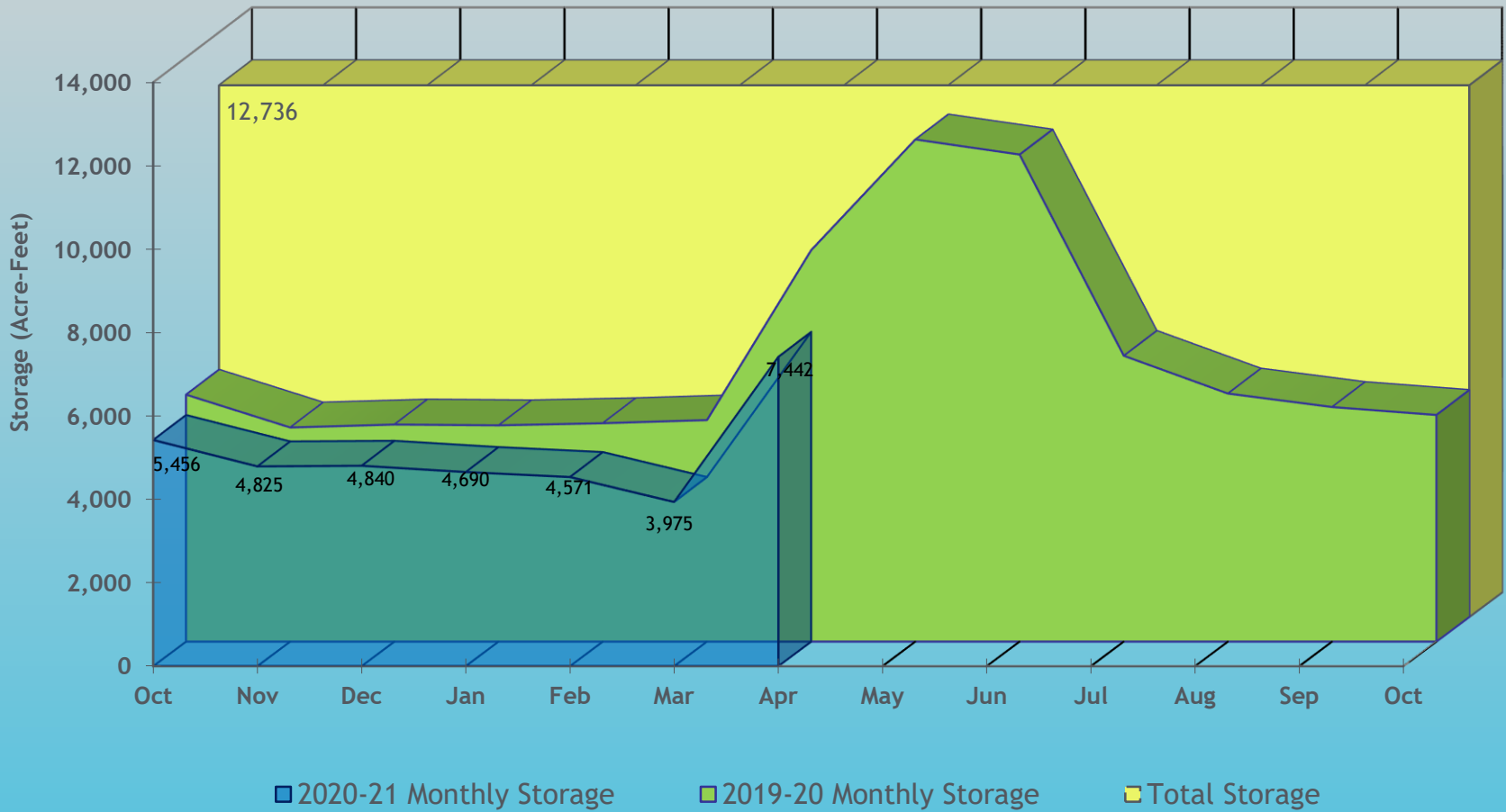
# Halligan Reservoir (District 3, Poudre River - Agricultural)



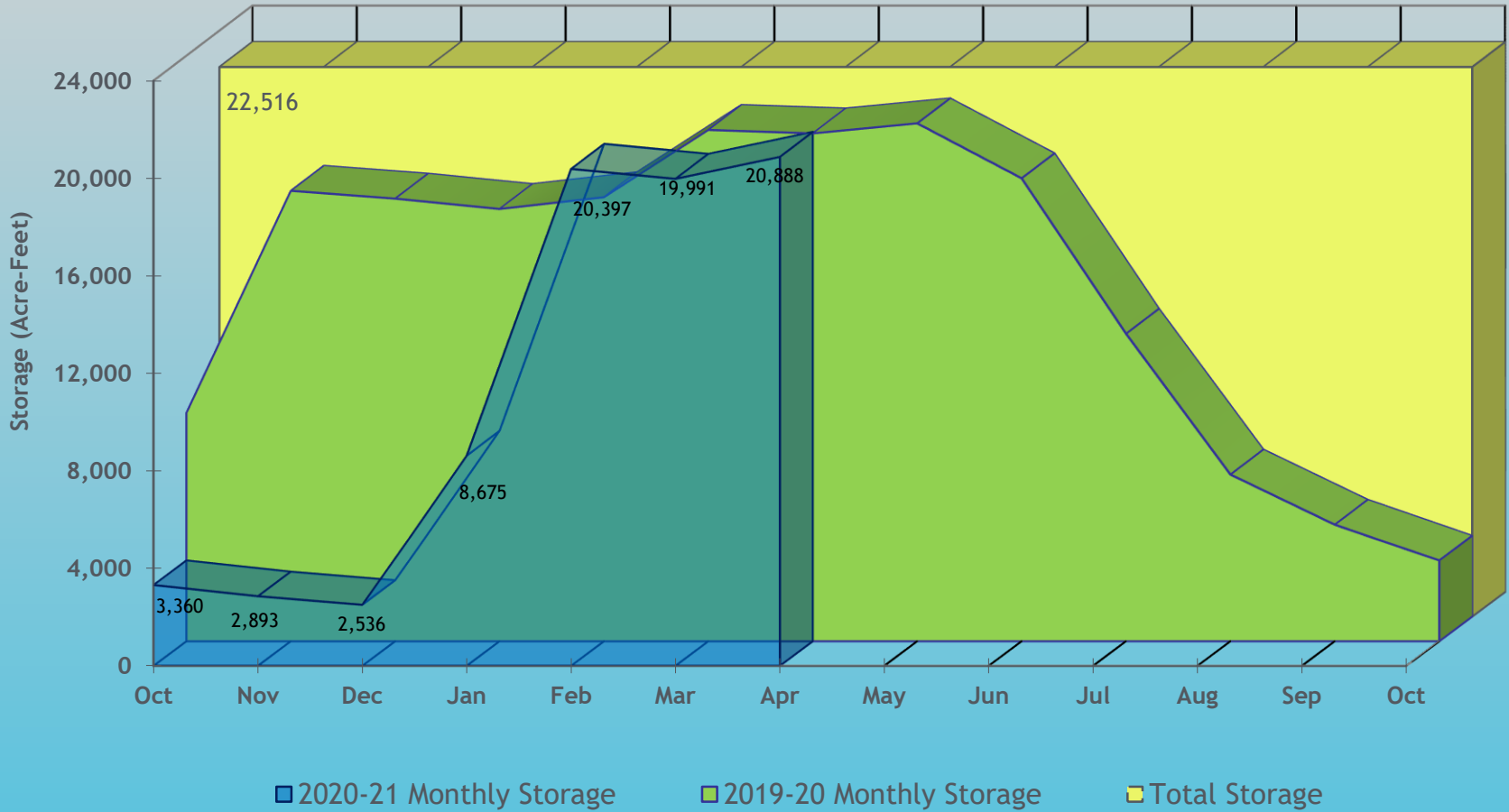
# Marshall Lake (District 6, Boulder Creek - Agricultural)



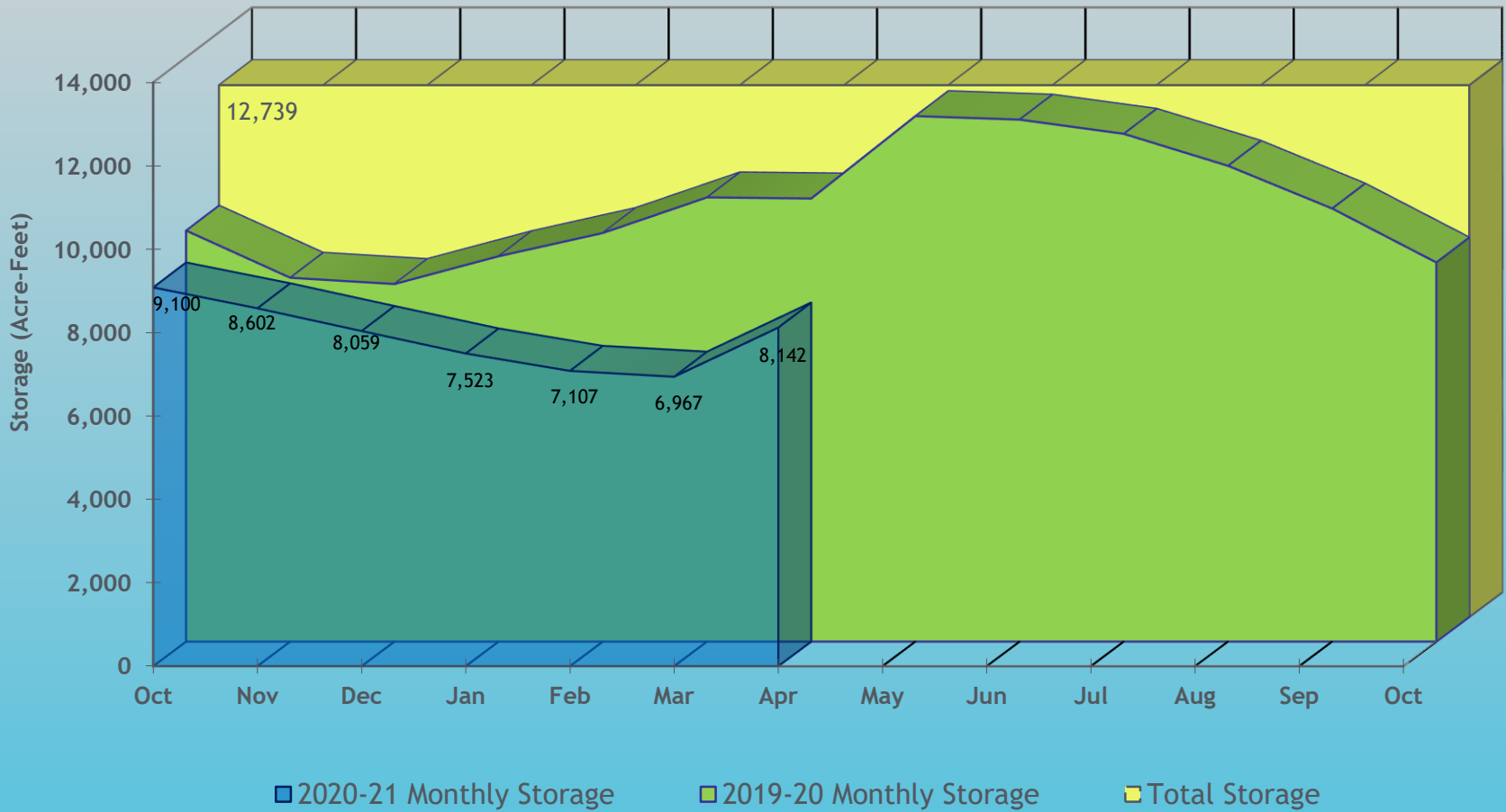
# Loveland Greeley Reservoir (District 4, Big Thompson River - Agricultural)



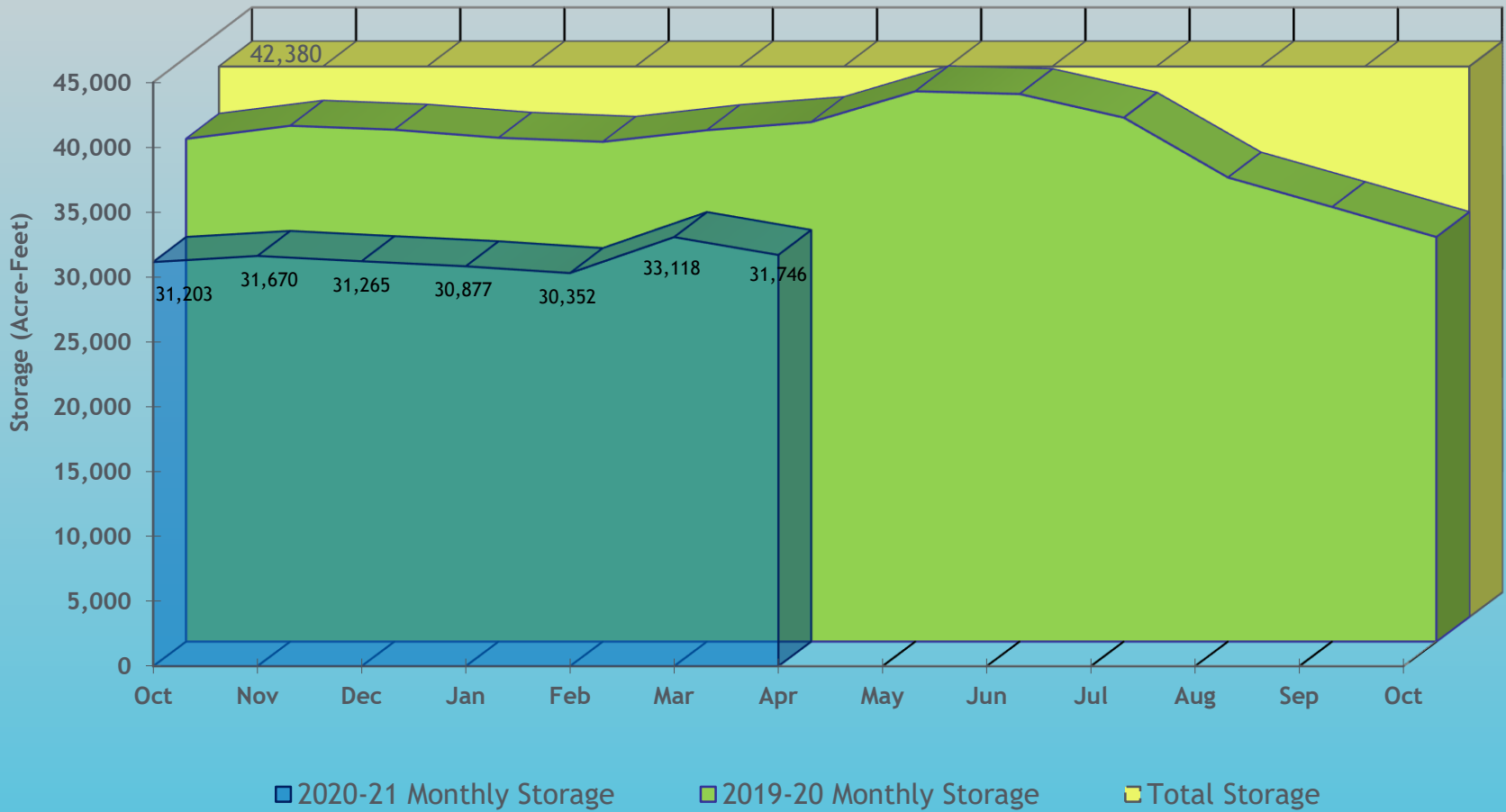
# Milton Reservoir (District 2 - Agricultural)



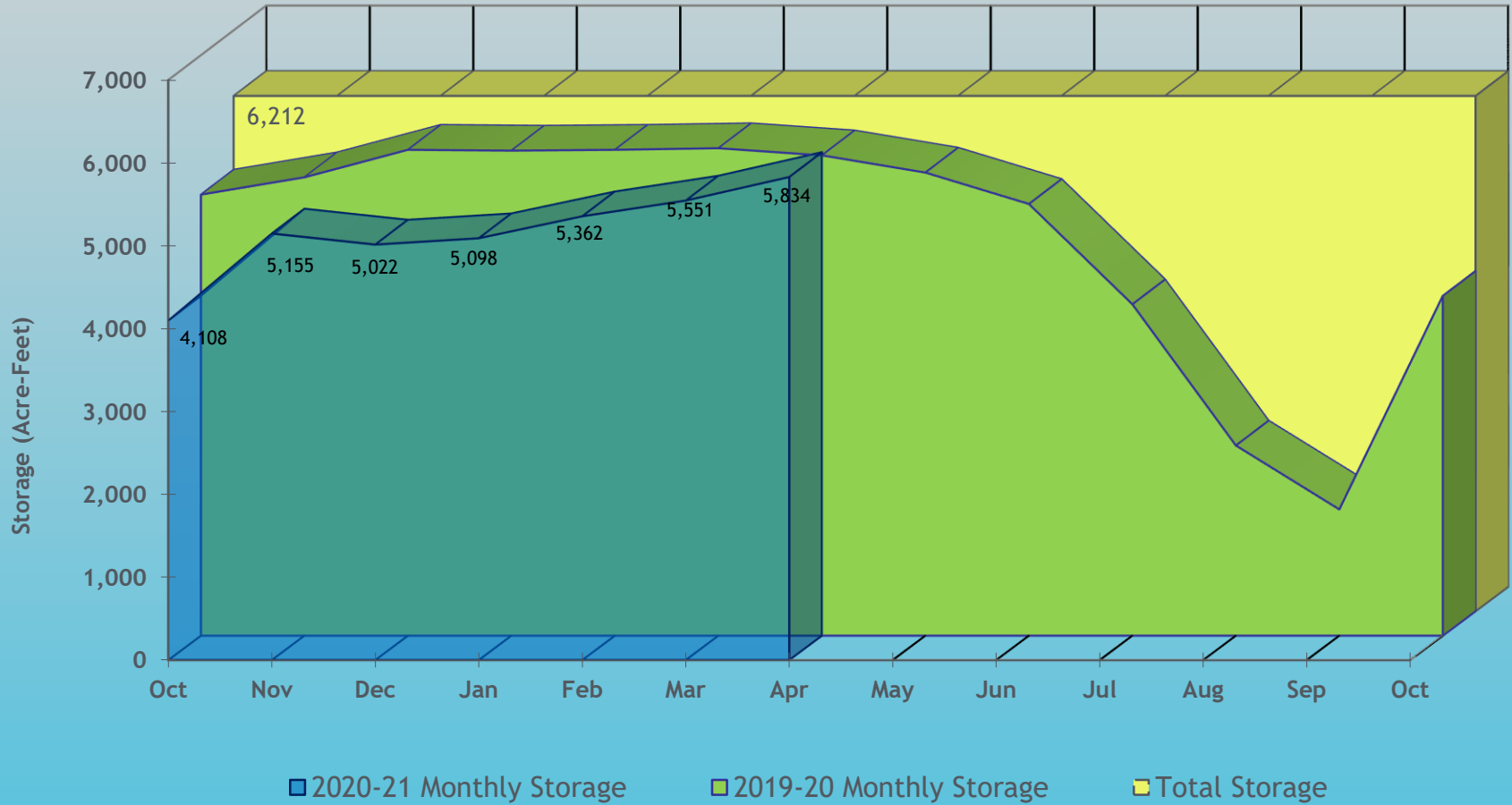
# Union Reservoir (District 5, St. Vrain Creek - Agricultural)



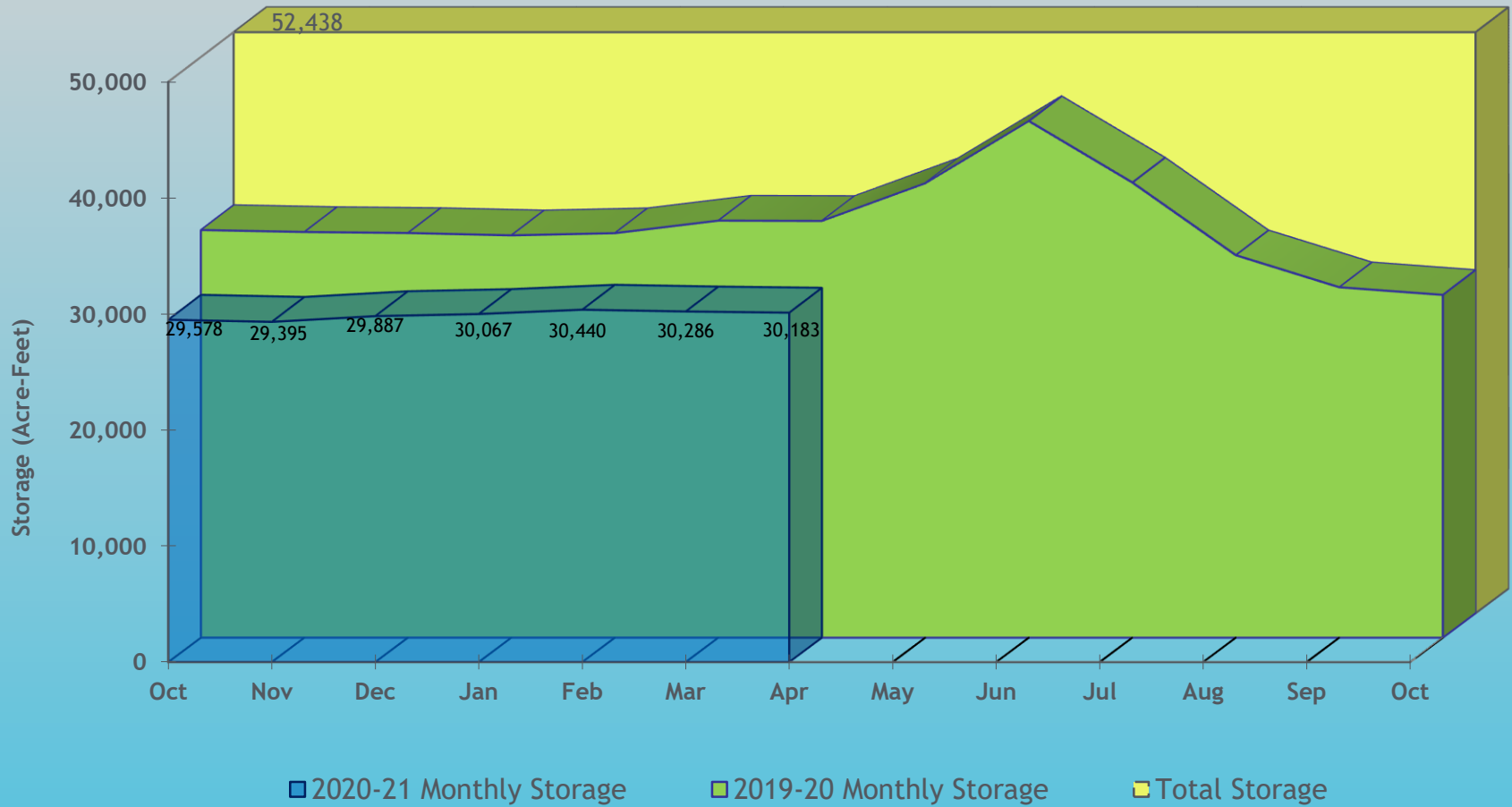
# Standley Lake (Agricultural)



# Lower Latham Reservoir (District 2 - Agricultural)

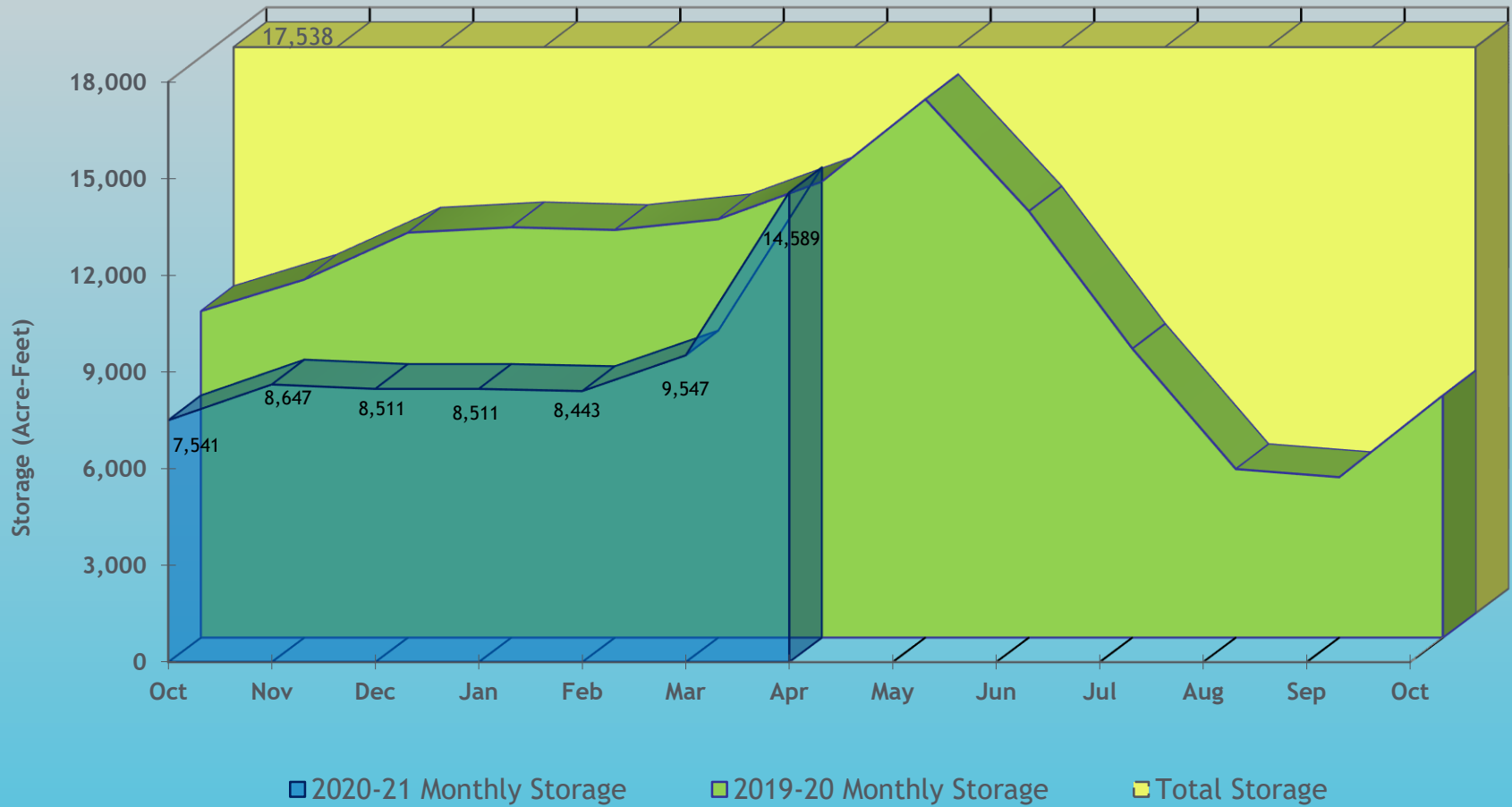


# Boyd Lake (District 4, Big Thompson River - Agricultural)

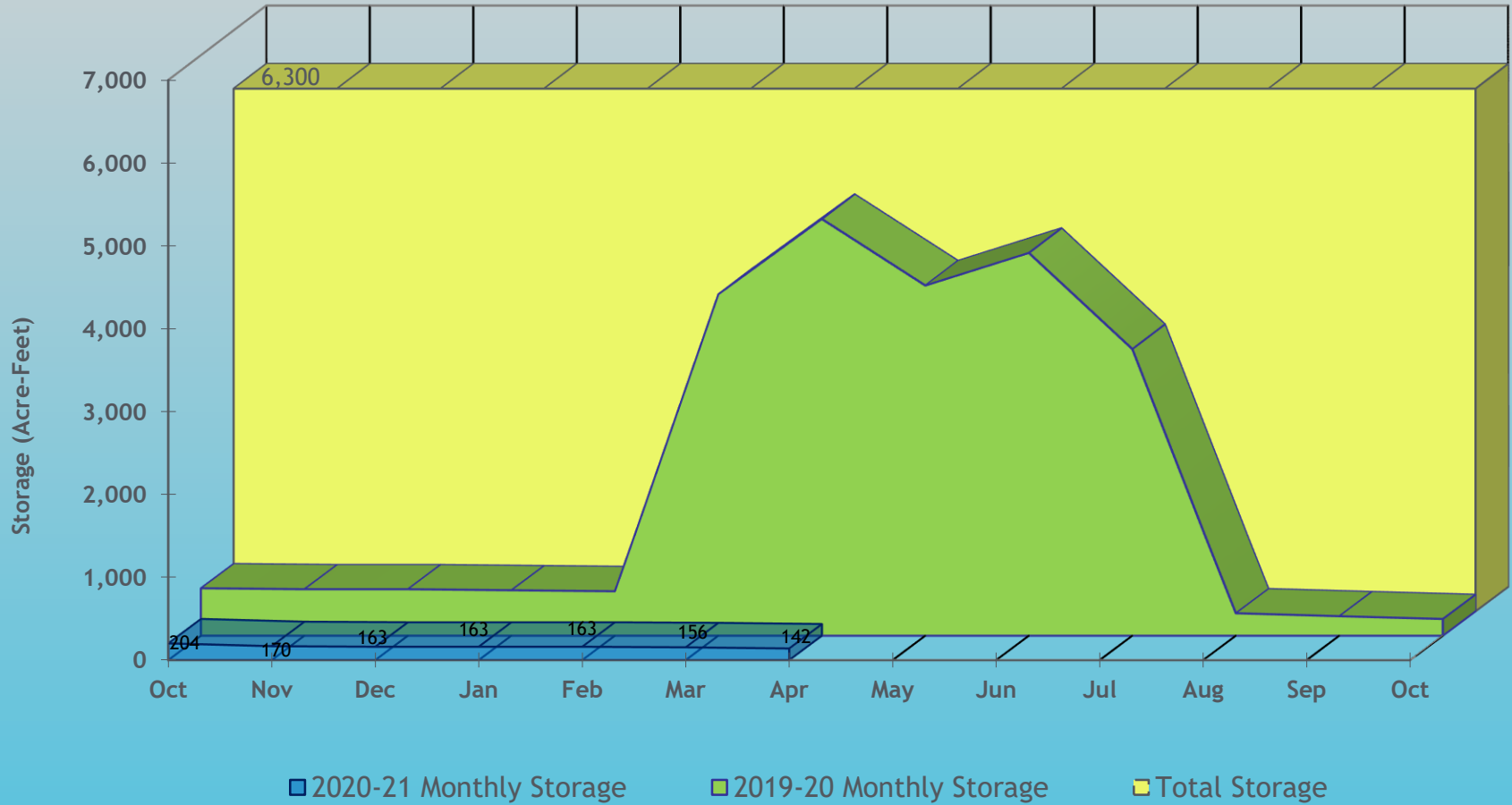




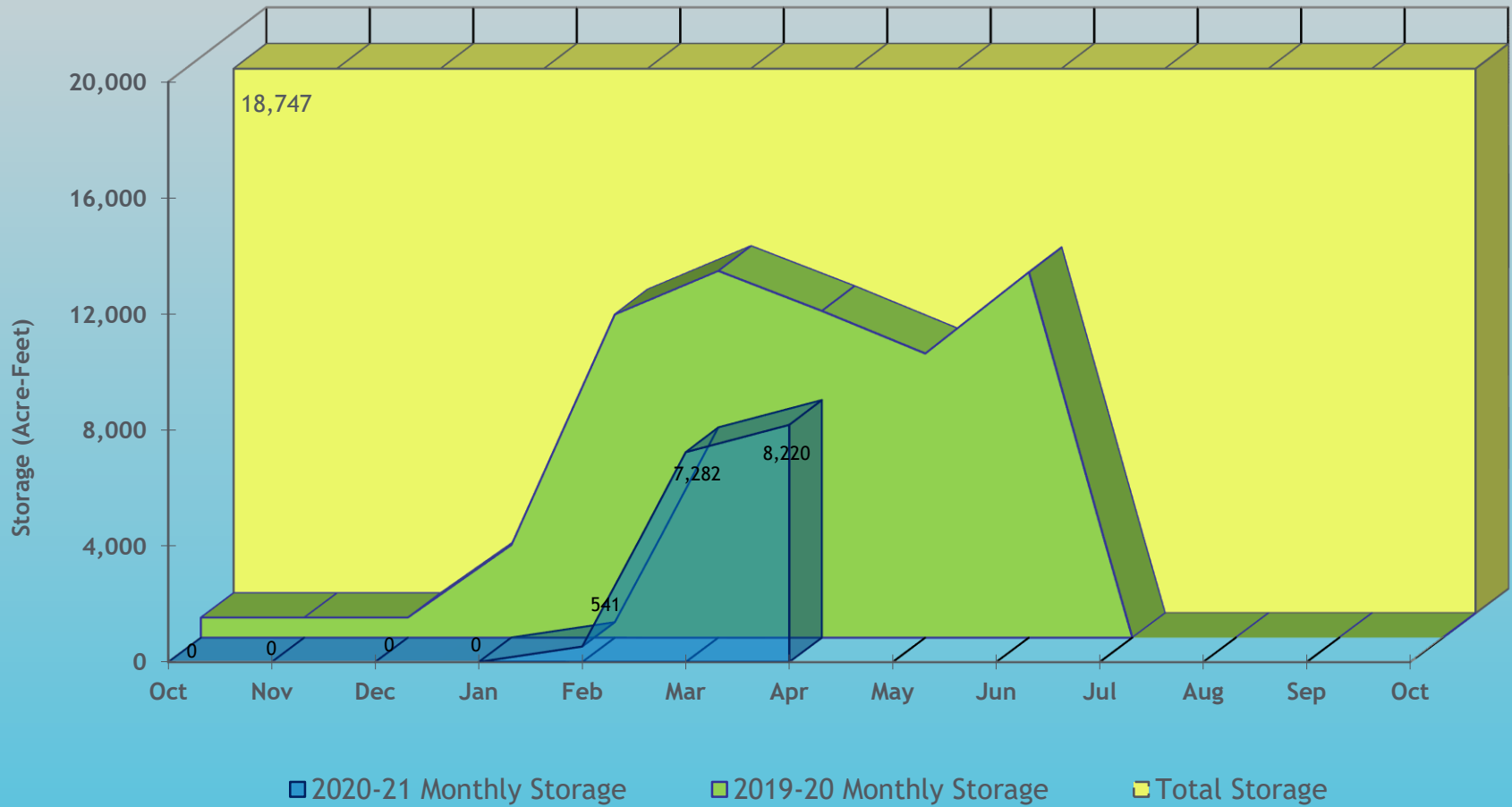
# Windsor Reservoir (District 3, Poudre River - Agricultural)



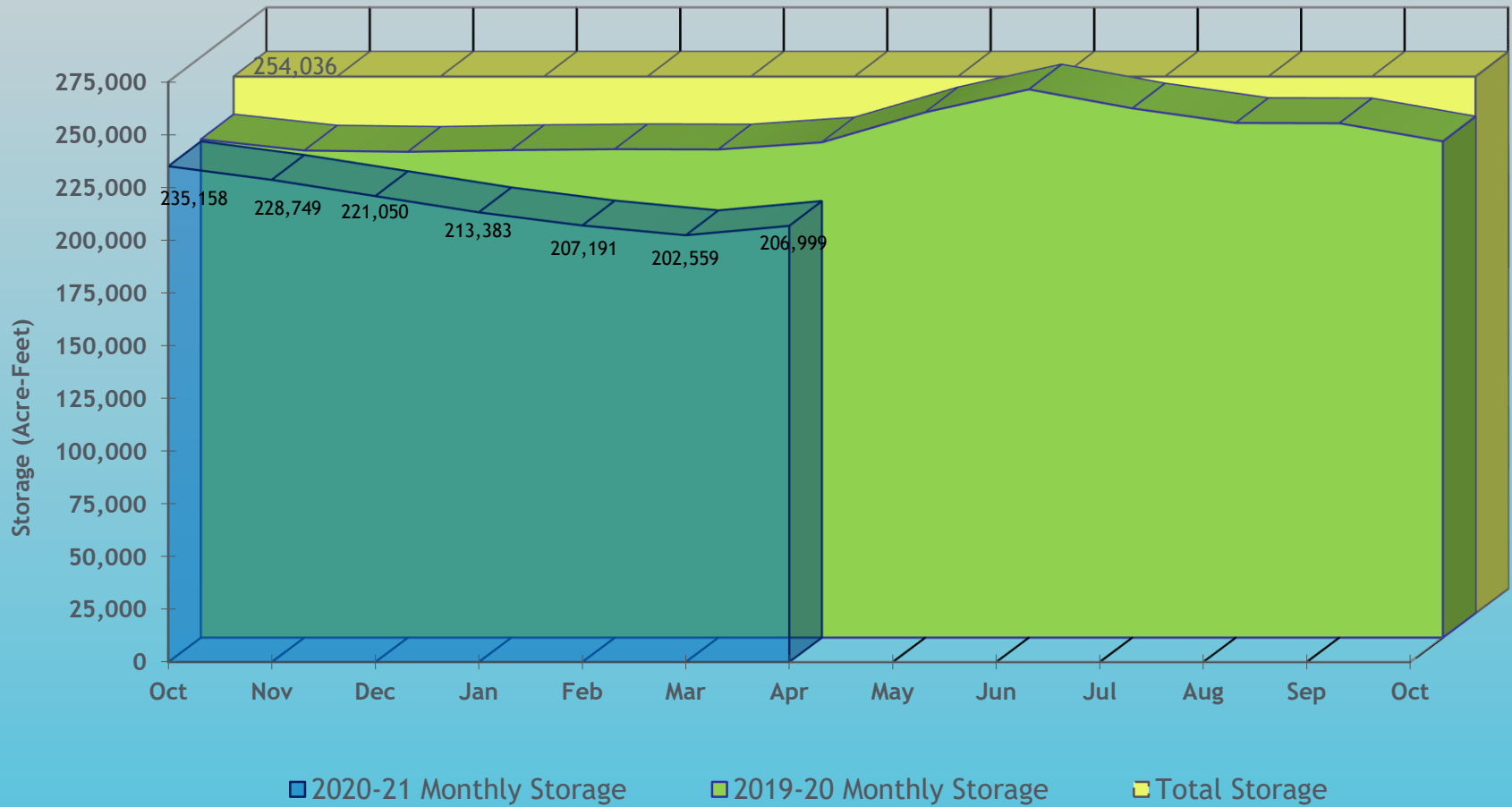
# Prospect Reservoir (District 1 - Agricultural)



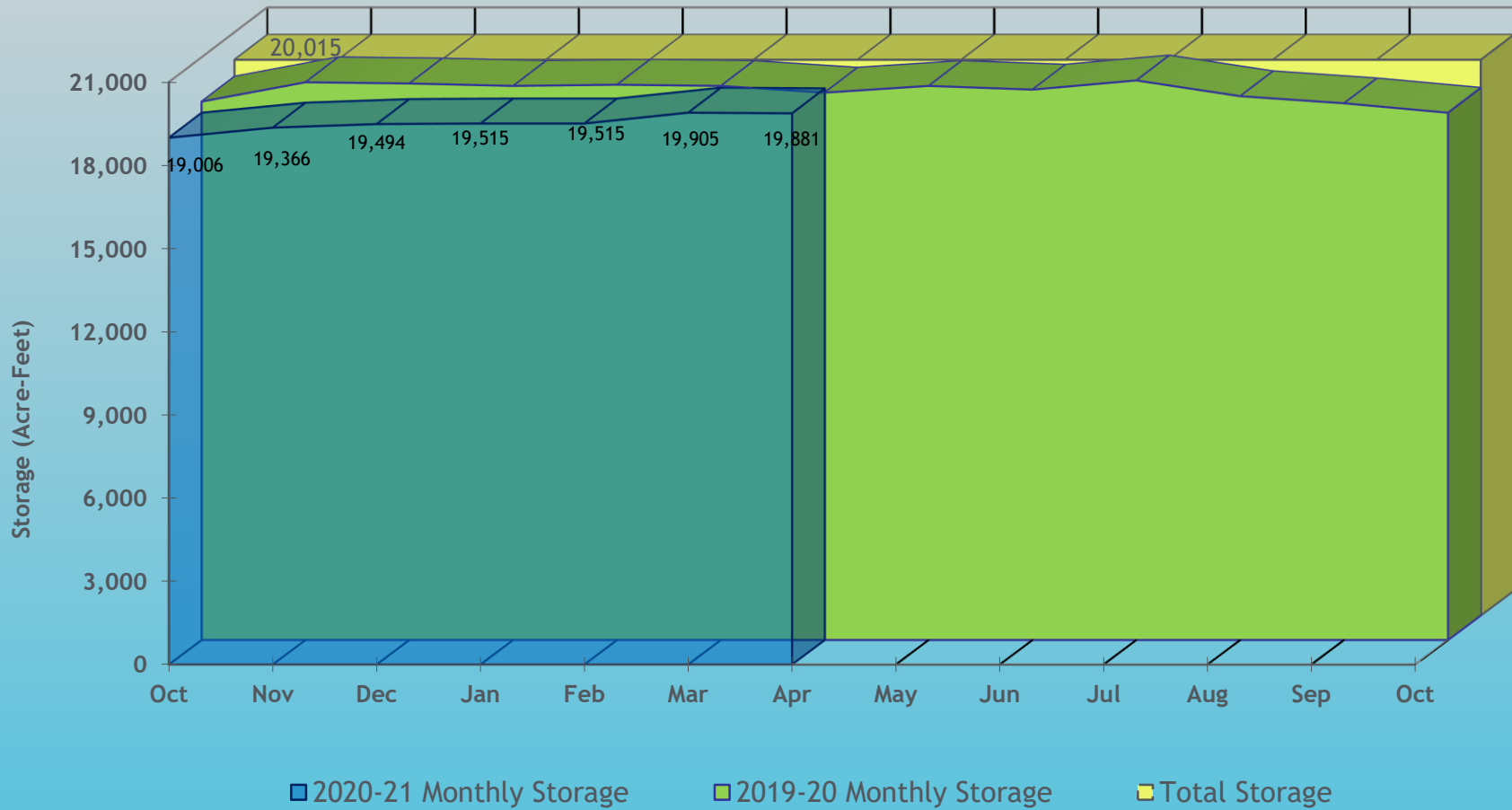
# Horse Creek Reservoir (District 1 - Agricultural)



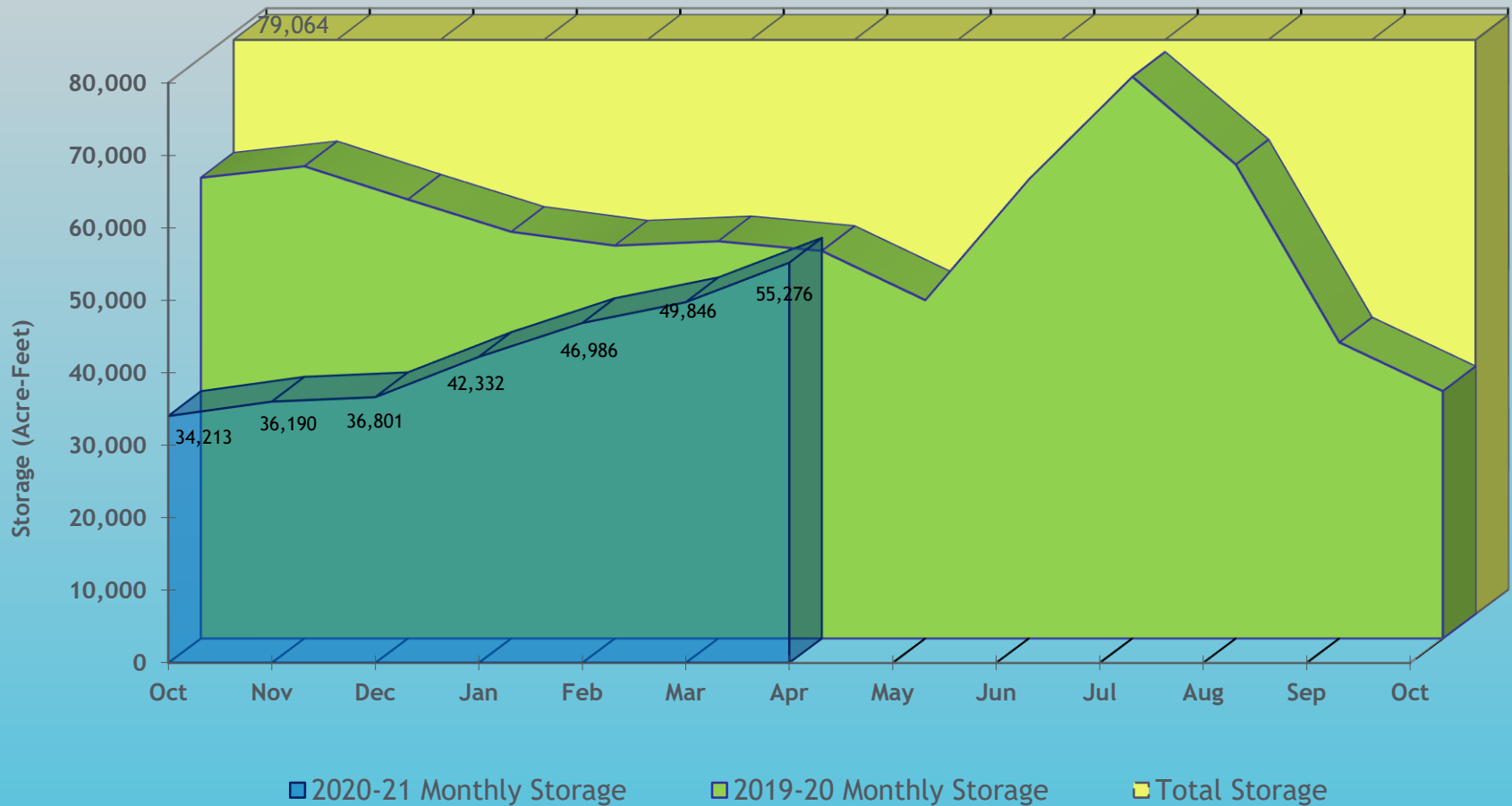
# Dillon Reservoir (District 1 - Municipal)



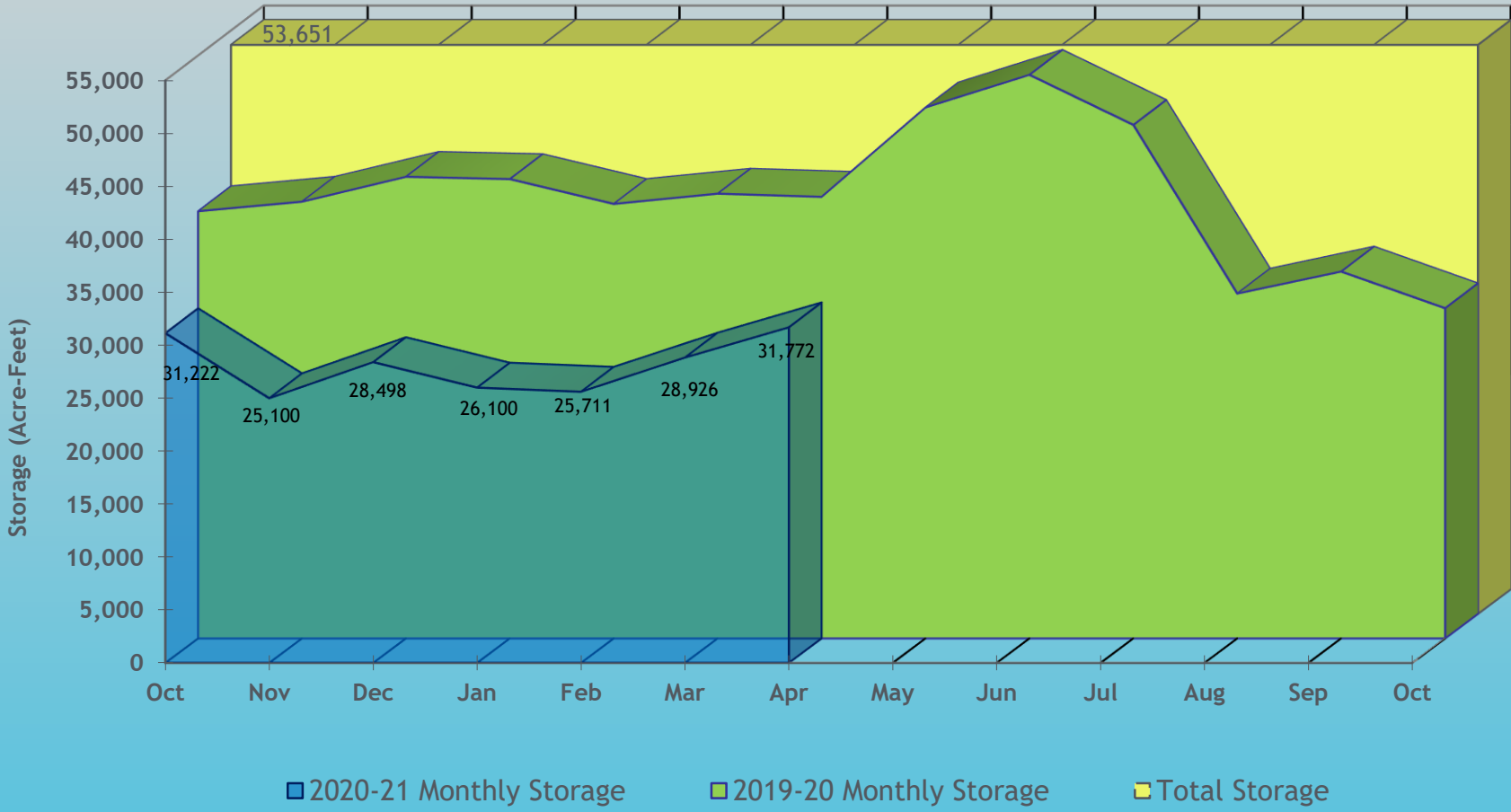
# Antero Reservoir (District 23 - Municipal)



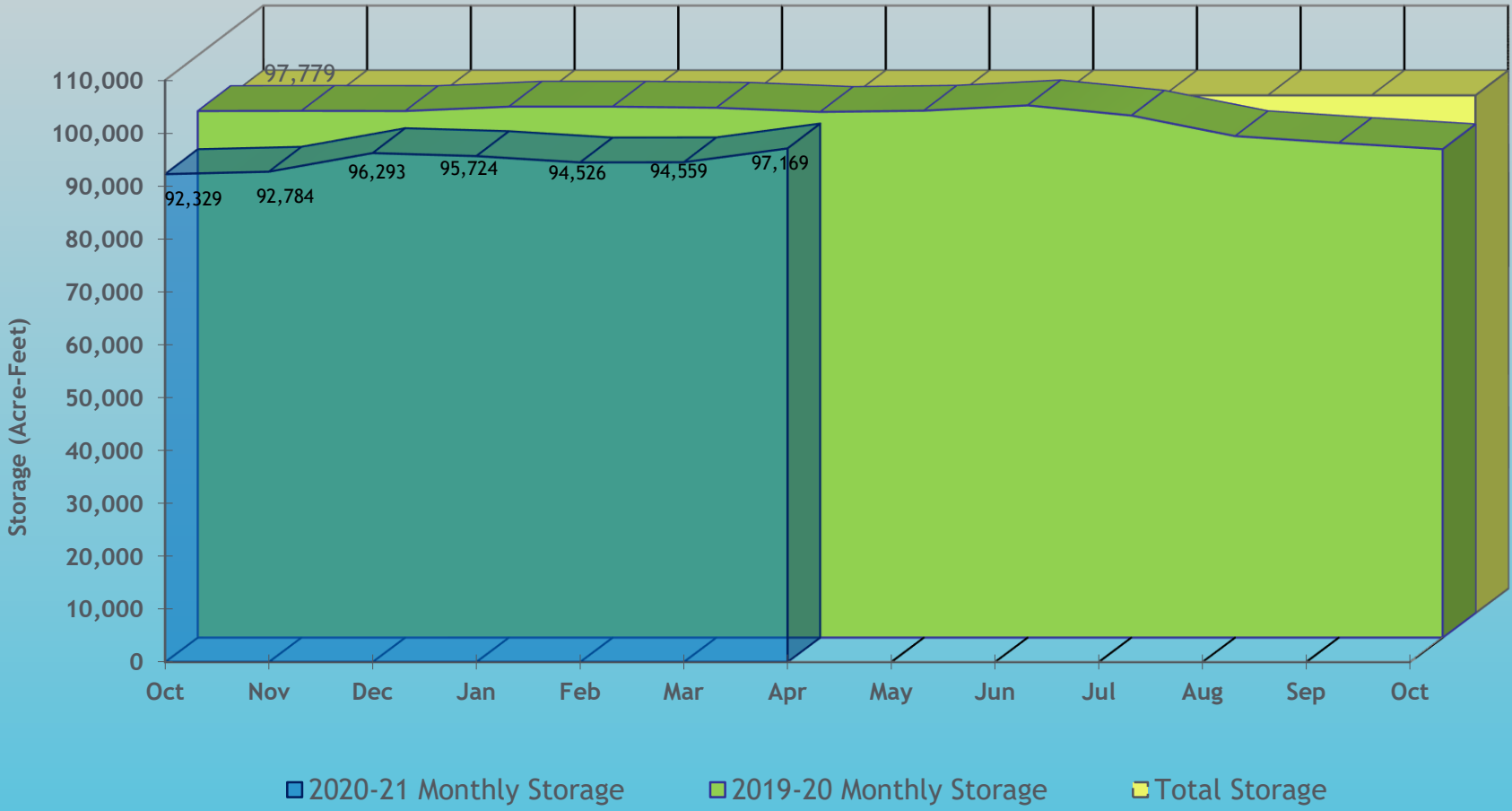
# Cheesman Reservoir (District 80 - Municipal)



# Spinney Mountain Reservoir (District 23 - Municipal)



# Eleven Mile Reservoir (District 23 - Municipal)





# Lake Granby

