



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

## South Platte Summary October 2021

Compiled by Lee Cunning, P.E.

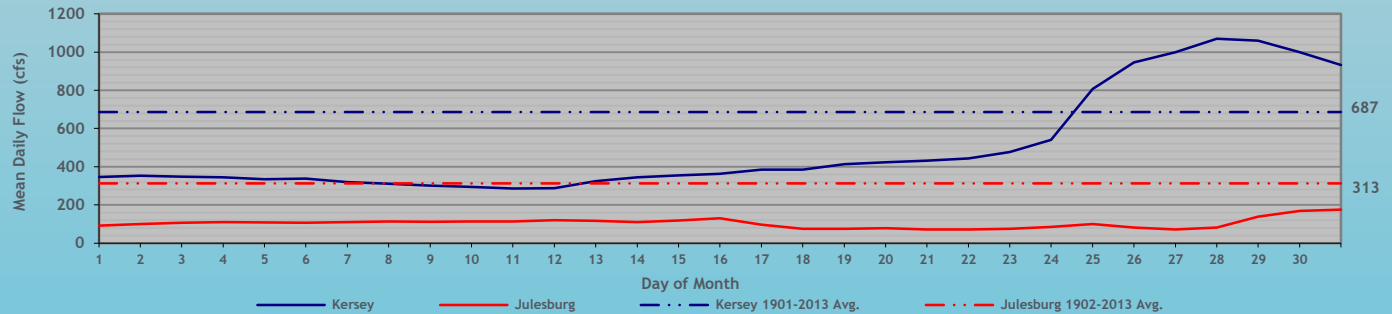
# COLORADO DIVISION OF WATER RESOURCES, DIVISION 1

## MONTH OF October 2021

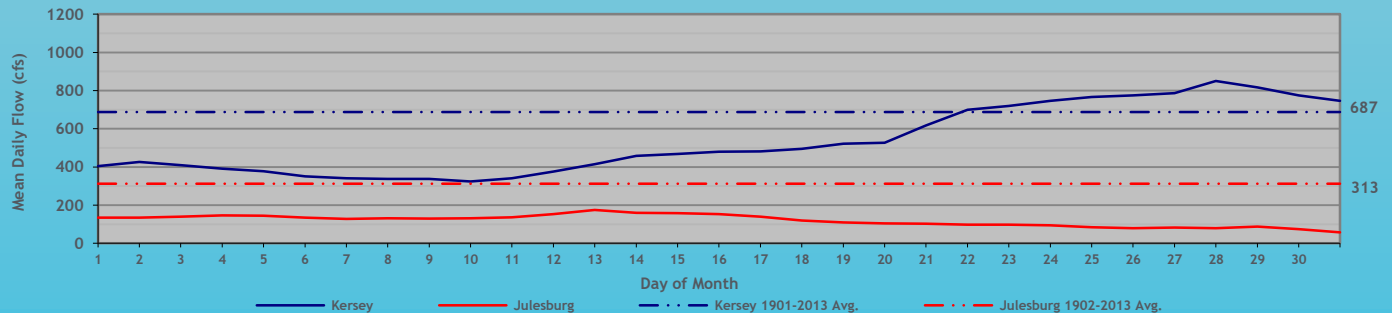
RESERVOIR	FULL ALLOWABLE CAPACITY (ACRE FEET)	FIRST OF MONTH (ACRE FEET)	END OF MONTH (ACRE FEET)	DISTRICT	CHANGE IN STORAGE (ACRE FEET)	% CHANGE IN STORAGE BASED ON FIRST OF MONTH STORAGE	% OF CURRENT FULL ALLOWABLE CAPACITY	% OF CURRENT FULL ALLOWABLE CAPACITY THIS MONTH LAST YEAR	SURCHARGE (ACRE FEET)
JULESBURG	22,666	1,319	5,555	64	4,236	321%	25%	19%	0
N STERLING	73,730	4,753	4,457	64	-296	-6%	6%	9%	0
PREWITT	28,500	10,013	19,352	64	9,339	93%	68%	38%	0
JACKSON	27,257	11,038	11,767	1	729	7%	43%	25%	0
EMPIRE	37,700	5,270	6,196	1	926	18%	16%	0%	0
RIVERSIDE	63,113	1,745	12,857	1	11,112	637%	20%	17%	0
BARR LAKE	32,152	6,330	8,756	2	2,426	38%	27%	6%	0
CHEESMAN	79,064	76,298	74,474	80	-1,824	-2%	94%	43%	0
ELEVEN MILE	97,779	100,036	99,830	23	-206	0%	100%	94%	2,051
SPINNEY	53,651	40,410	33,328	23	-7,082	-18%	62%	58%	0
ANTERO	20,015	19,837	19,927	23	90	0%	100%	95%	0

RIVER GAGES	MEAN DAILY FLOW (CFS)
<b>KERSEY</b>	<b>534</b>
<b>JULESBURG</b>	<b>119</b>
<b>THIS MONTH LAST YEAR</b>	
<b>KERSEY</b>	<b>502</b>
<b>JULESBURG</b>	<b>104</b>
<b>MEAN FOR PERIOD OF RECORD*</b>	
<b>KERSEY</b>	<b>687</b>
<b>JULESBURG</b>	<b>313</b>
*Kersey 1901 - 2016	
*Julesburg 1902 - 2016	

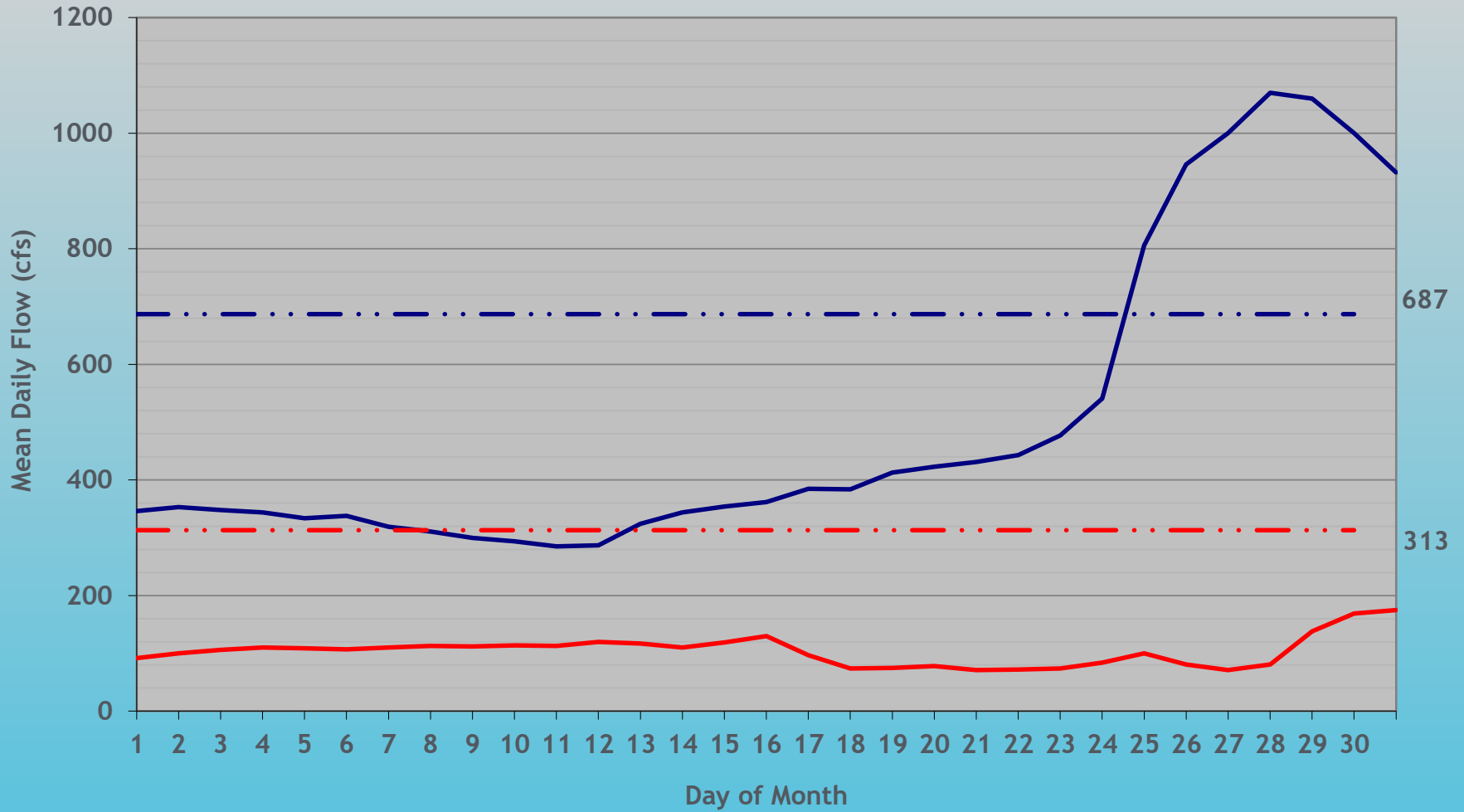
KERSEY and JULESBURG  
October 2020



KERSEY and JULESBURG  
October 2021

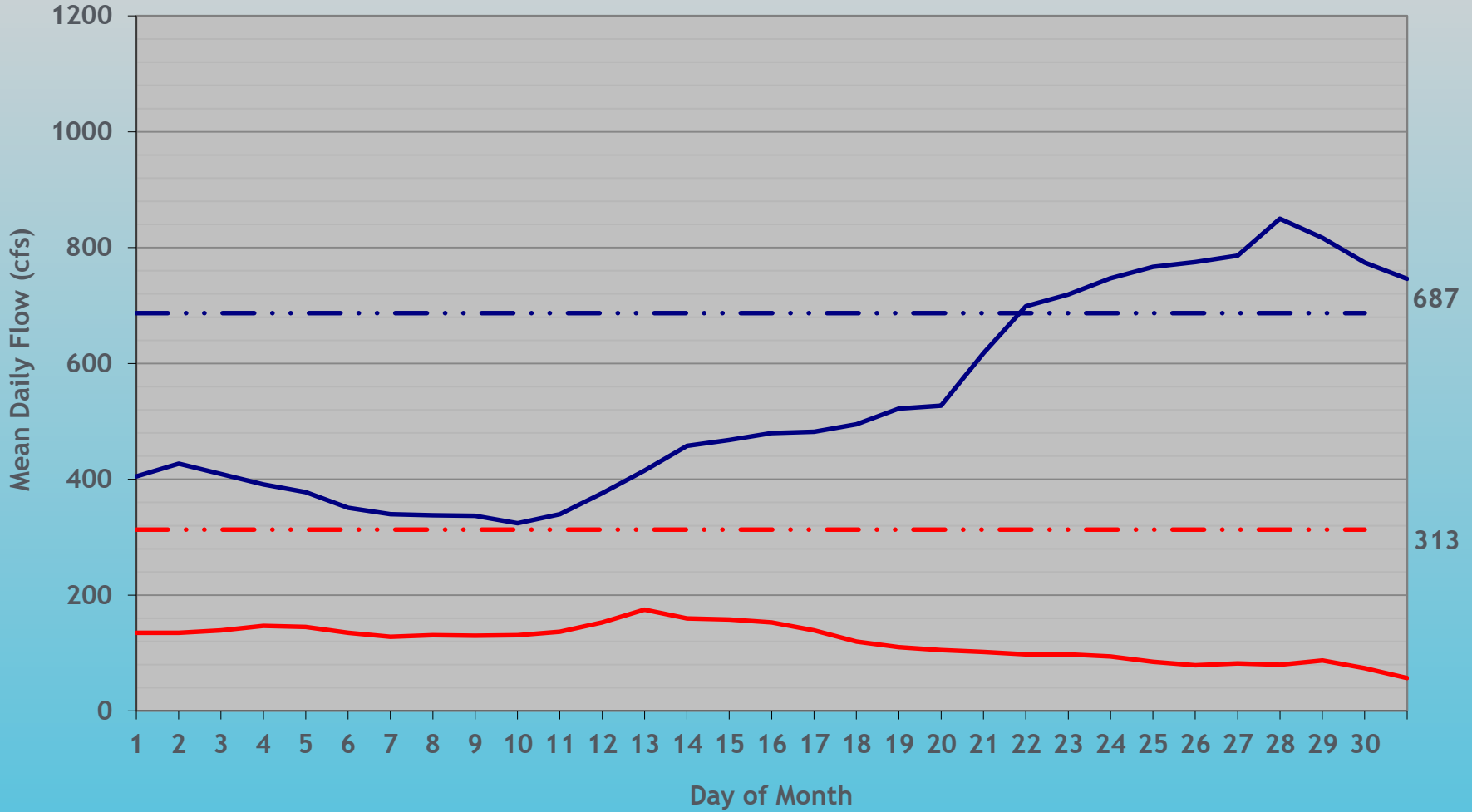


# KERSEY and JULESBURG October 2020



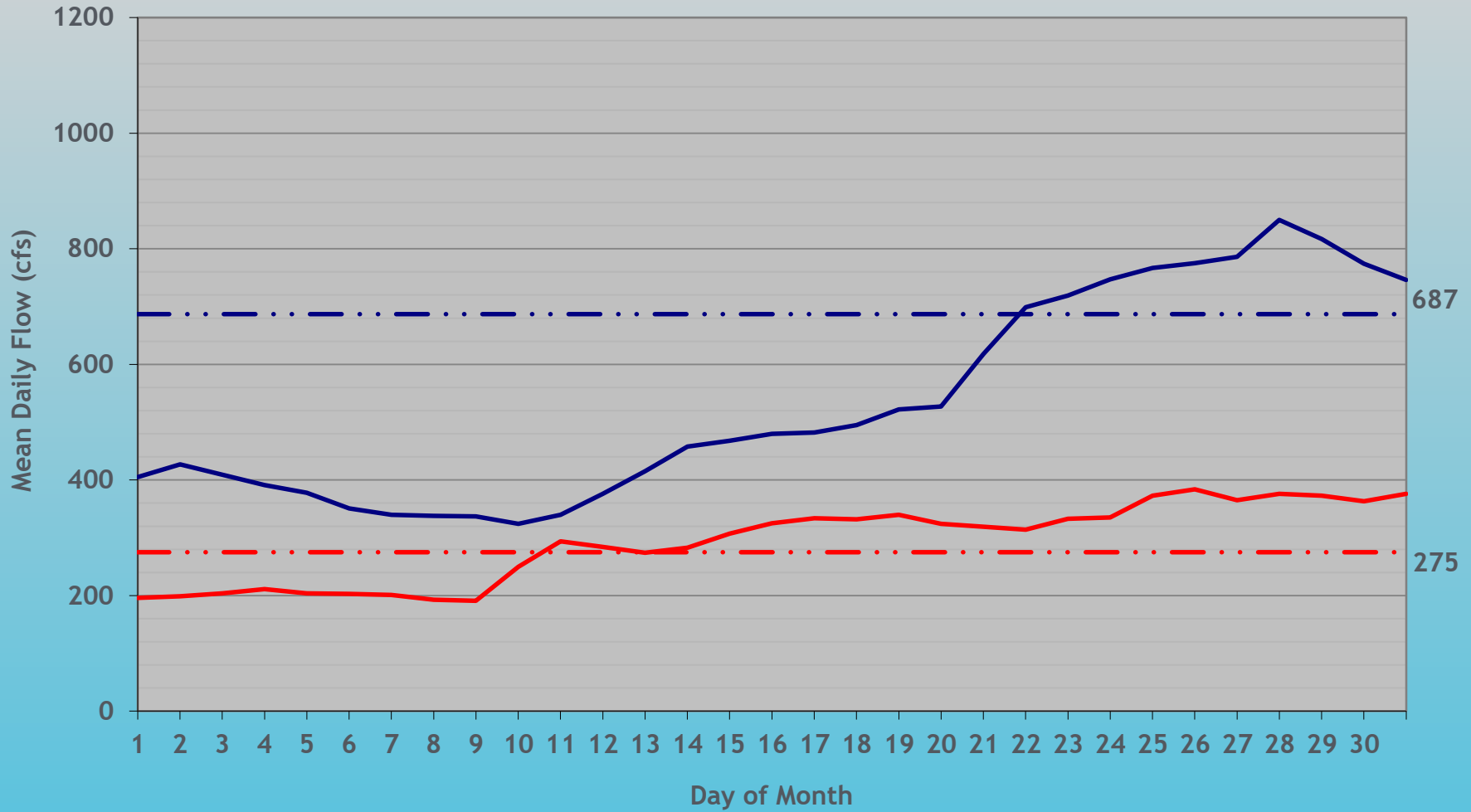
— Kersey — Julesburg — • Kersey 1901-2013 Avg. — • Julesburg 1902-2013 Avg.

# KERSEY and JULESBURG October 2021



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

# KERSEY and BALZAC October 2021



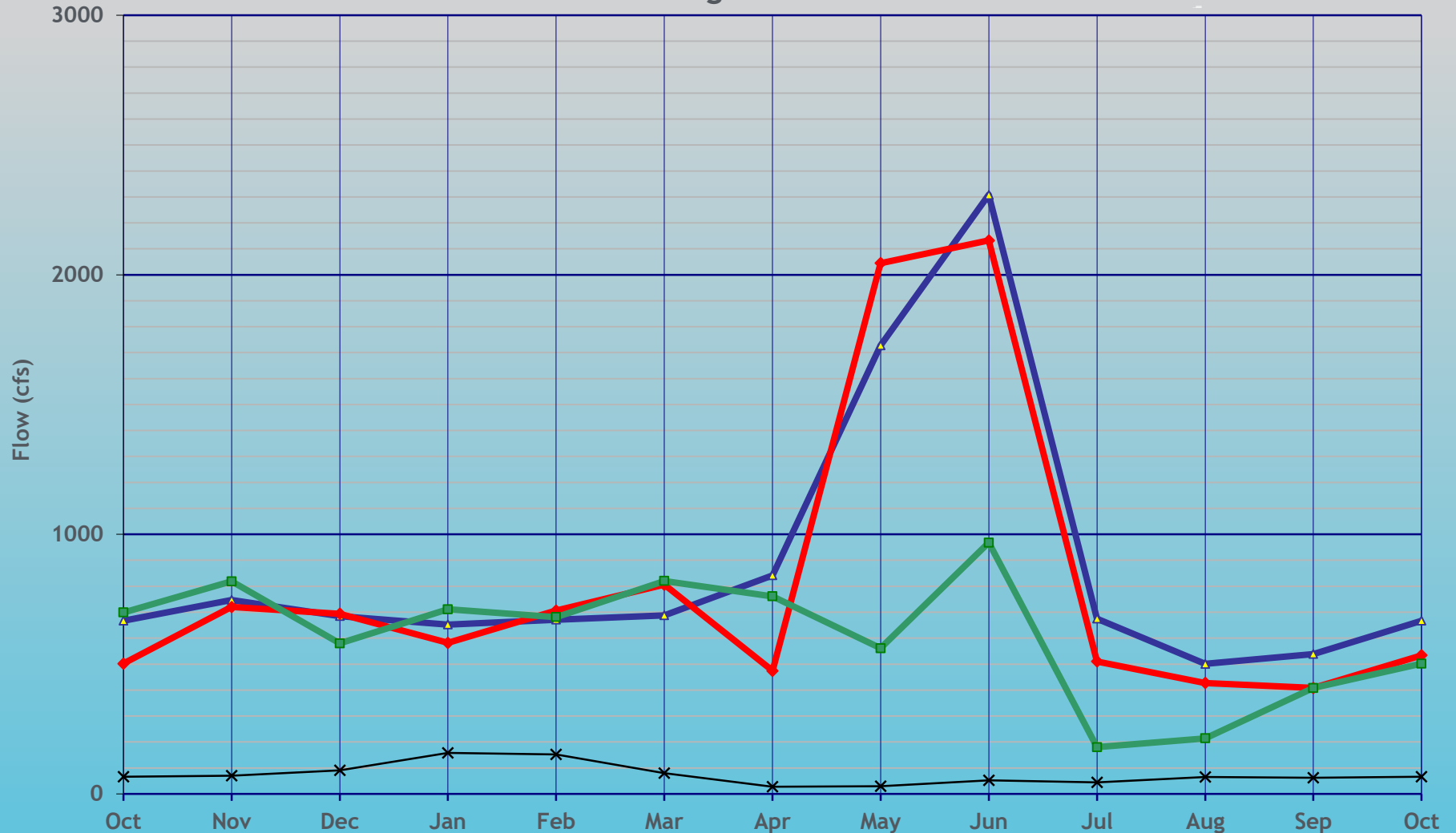
— Kersey      — Balzac      — • Kersey 1901-2013 Avg.      — • Balzac 1917-2013 Avg.

# 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	510	Jul	311	12600	1983	0.0	1903	228
Aug	501	9690	1951	65	1934	427	Aug	178	8920	1968	0.0	1903	90
Sep	539	14200	1938	62	1940	408	Sep	284	7130	1938	2.0	1902	141
Oct	667	6180	1984	66	1954	534	Oct	299	3130	1984	4.2	1903	119
*Period of record 1902-2020							*Period of record 1902-2020						

# South Platte River at Kersey

Irrigation Year



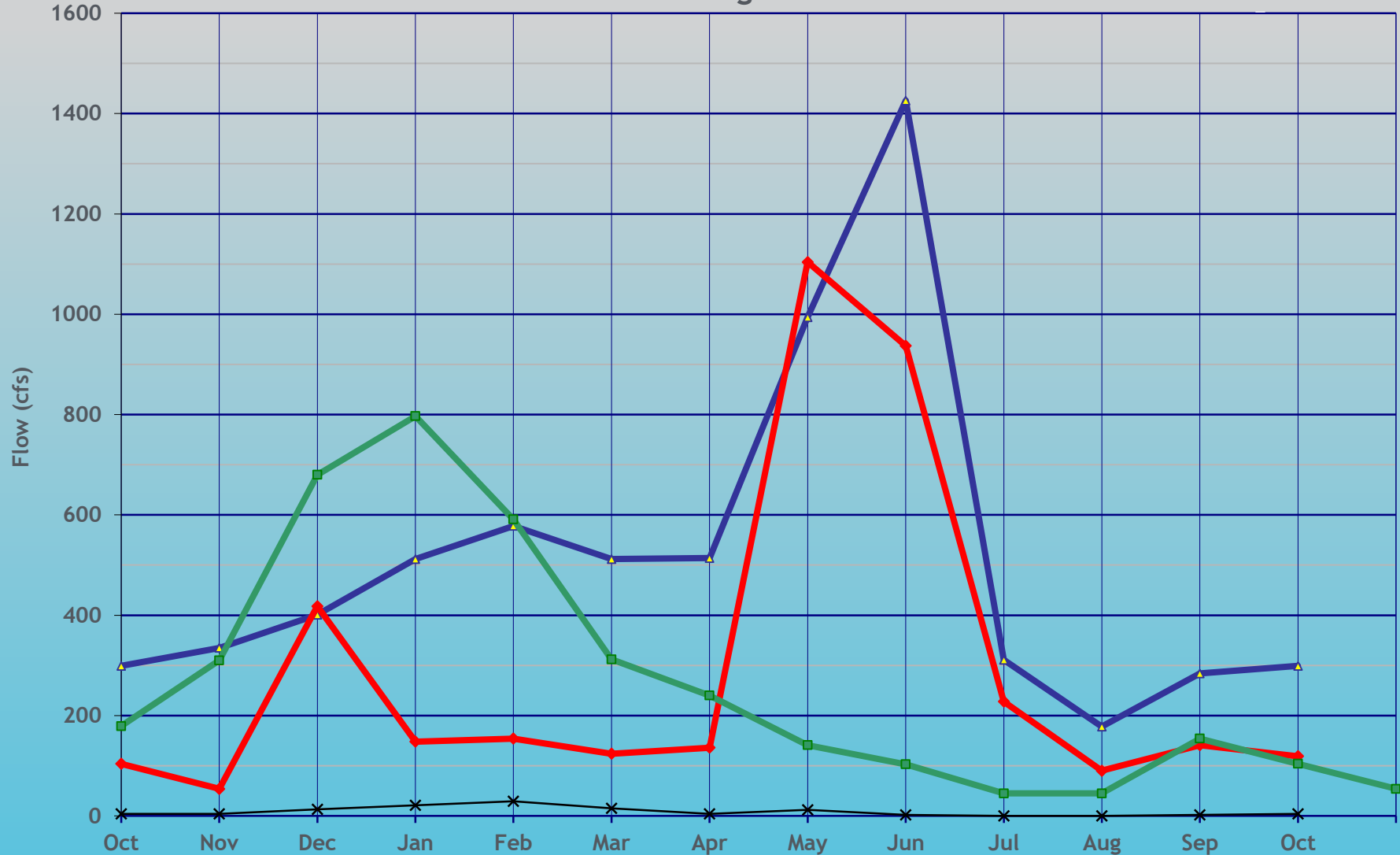
—▲— Historic\* Mean Flow    —\*— Historic\* Min Flow    —◆— 2020-2021 Mean Flow    —■— 2019-2020 Mean Flow

\*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

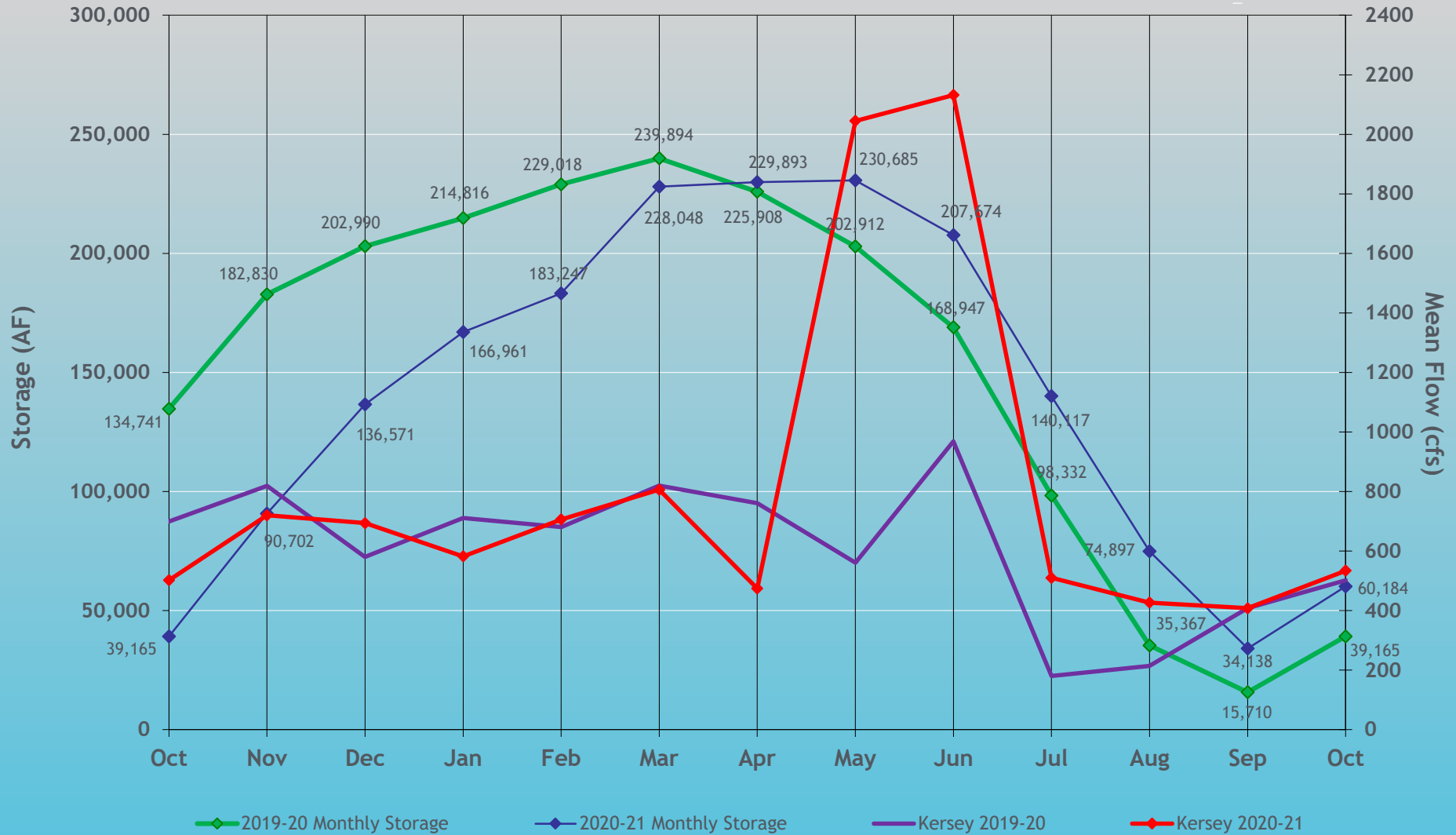




Next three slides show Reservoir  
Storage above and below Kersey

# Reservoir Storage below Kersey

Selected Reservoirs\*

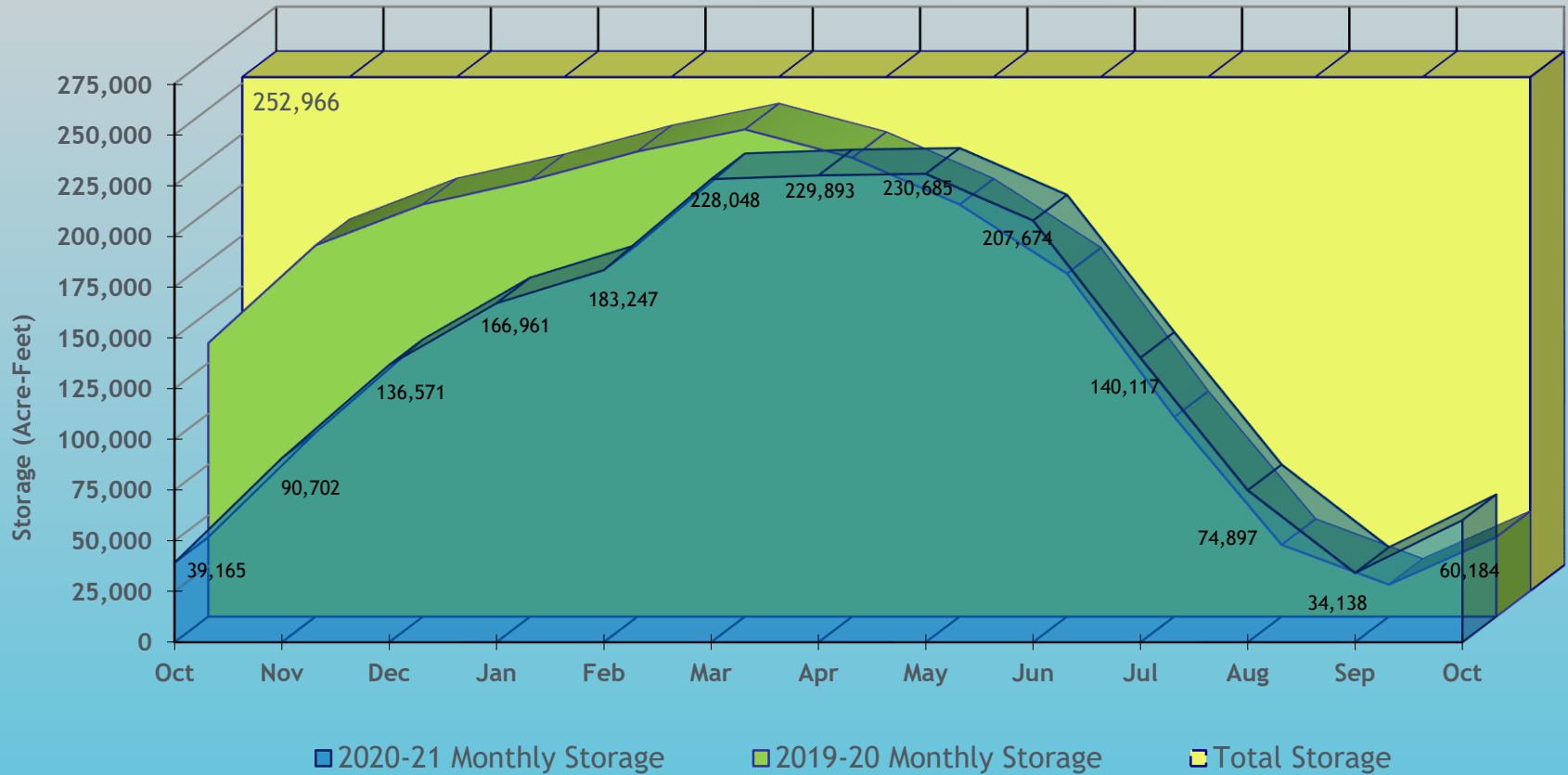


\*Empire, Riverside, Jackson, Prewitt, North Sterling, & Julesburg



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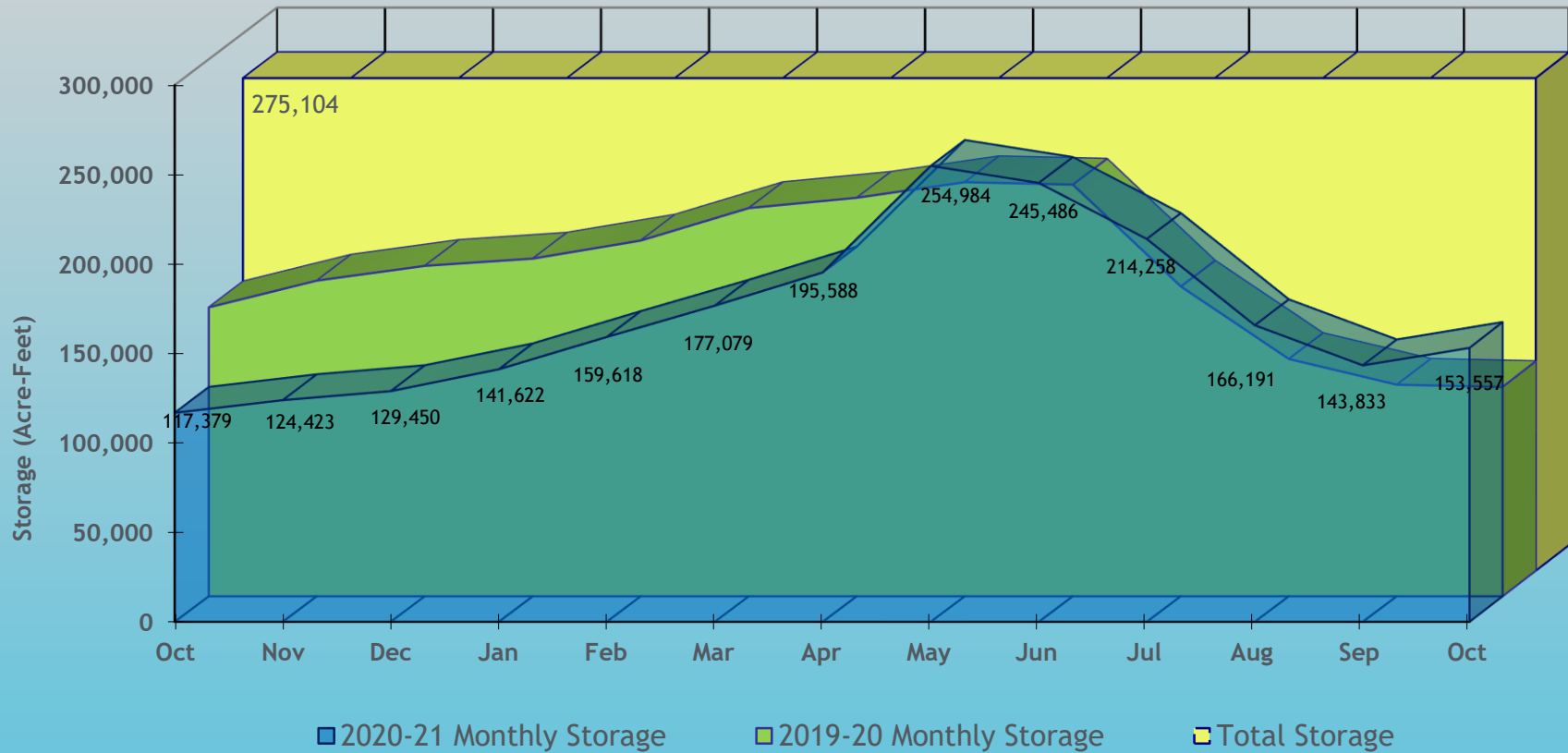
# South Platte Reservoir Storage below Kersey\*



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



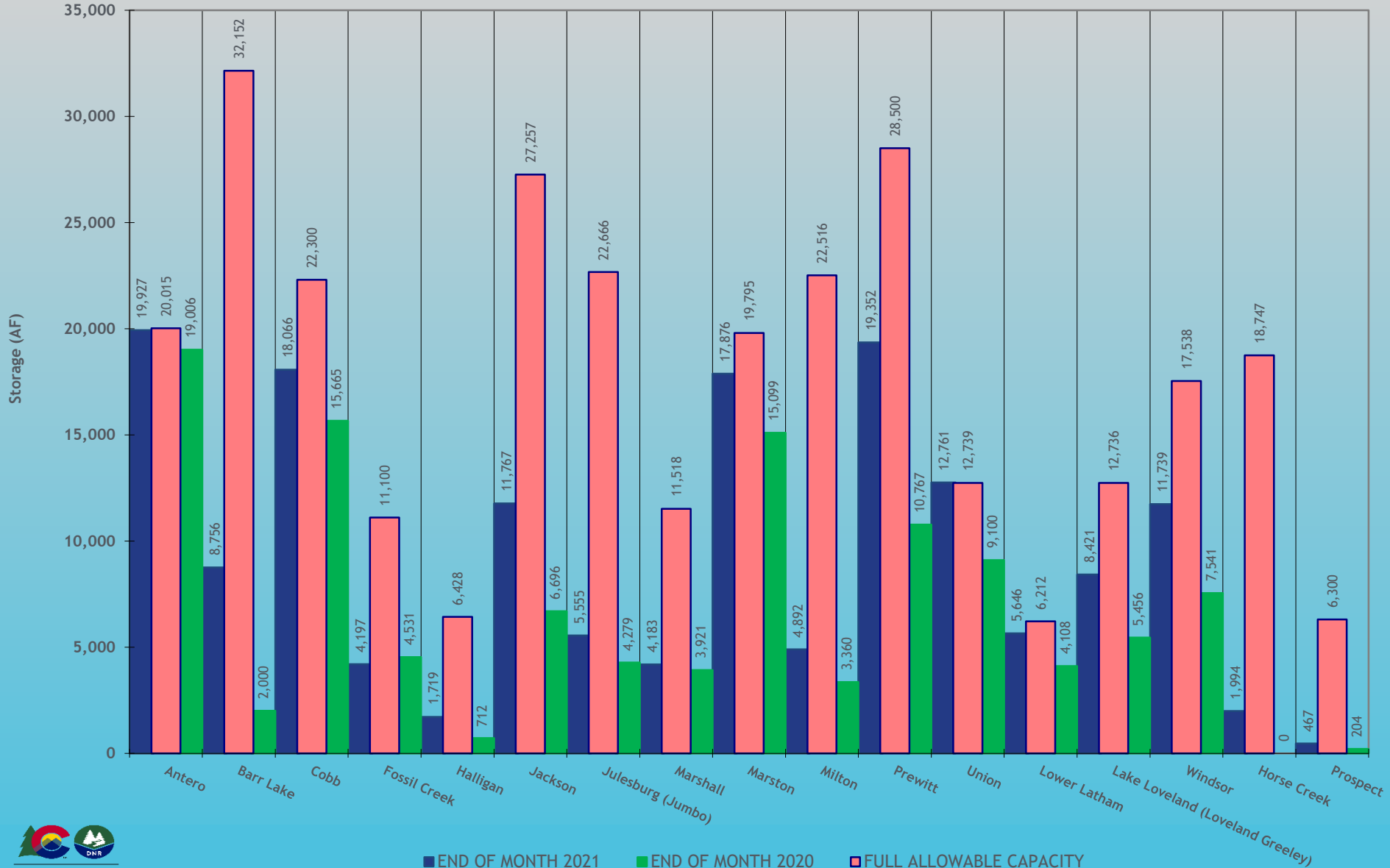
# South Platte Reservoir Storage above Kersey\*



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



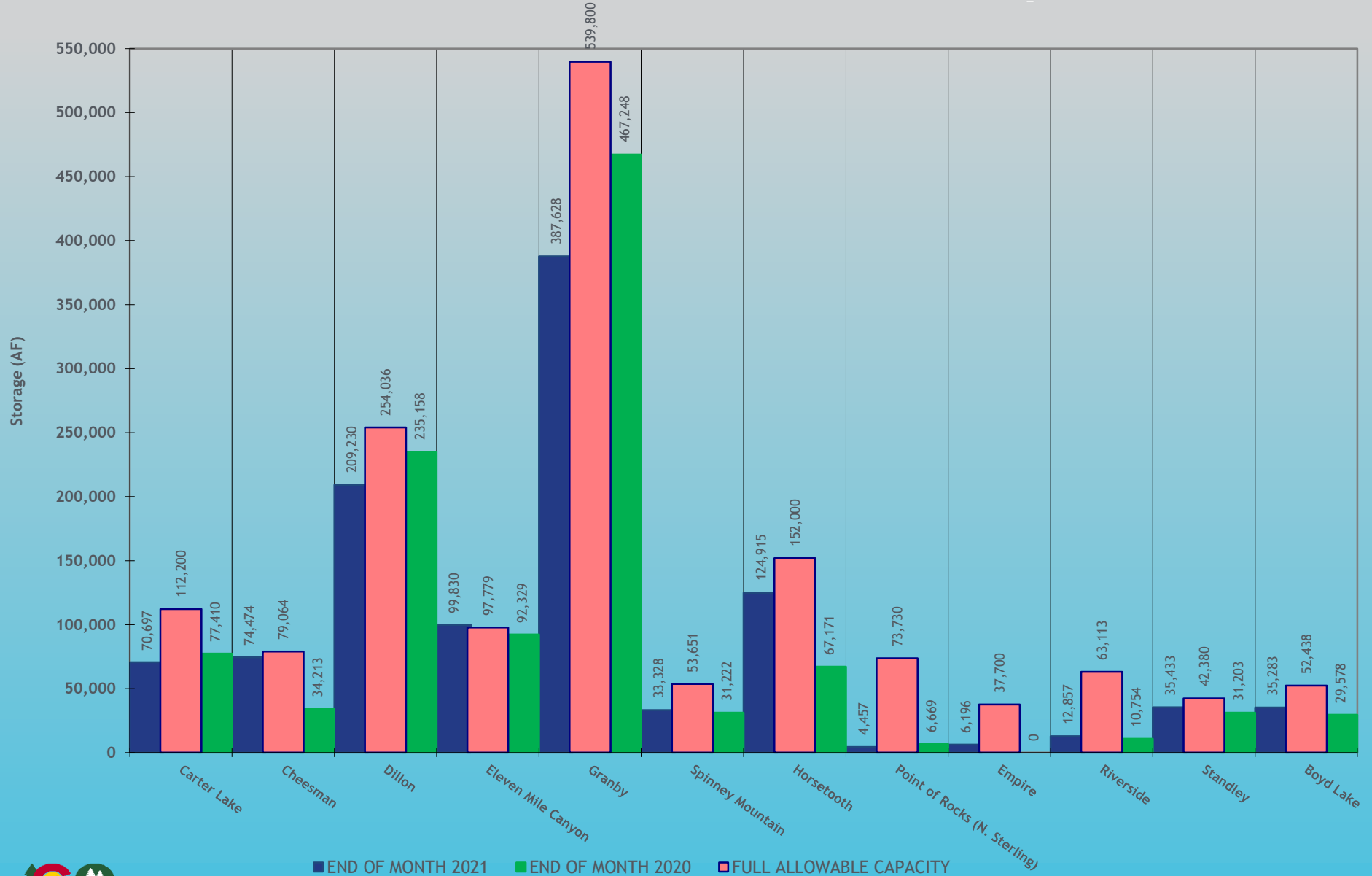
# October Reservoir Change in Storage IY2020 versus IY2021



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



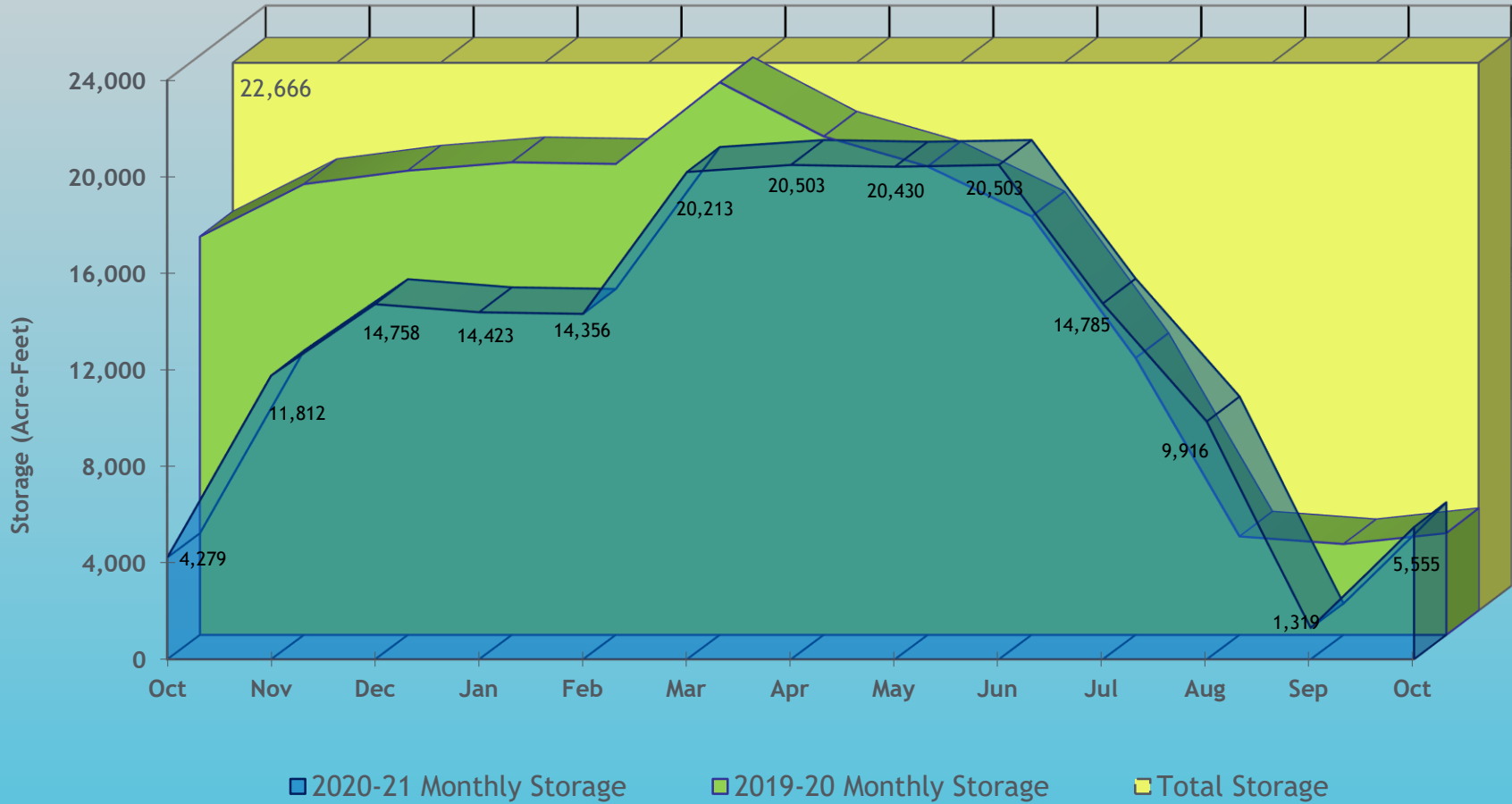
# October Reservoir Change in Storage IY2020 versus IY2021



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

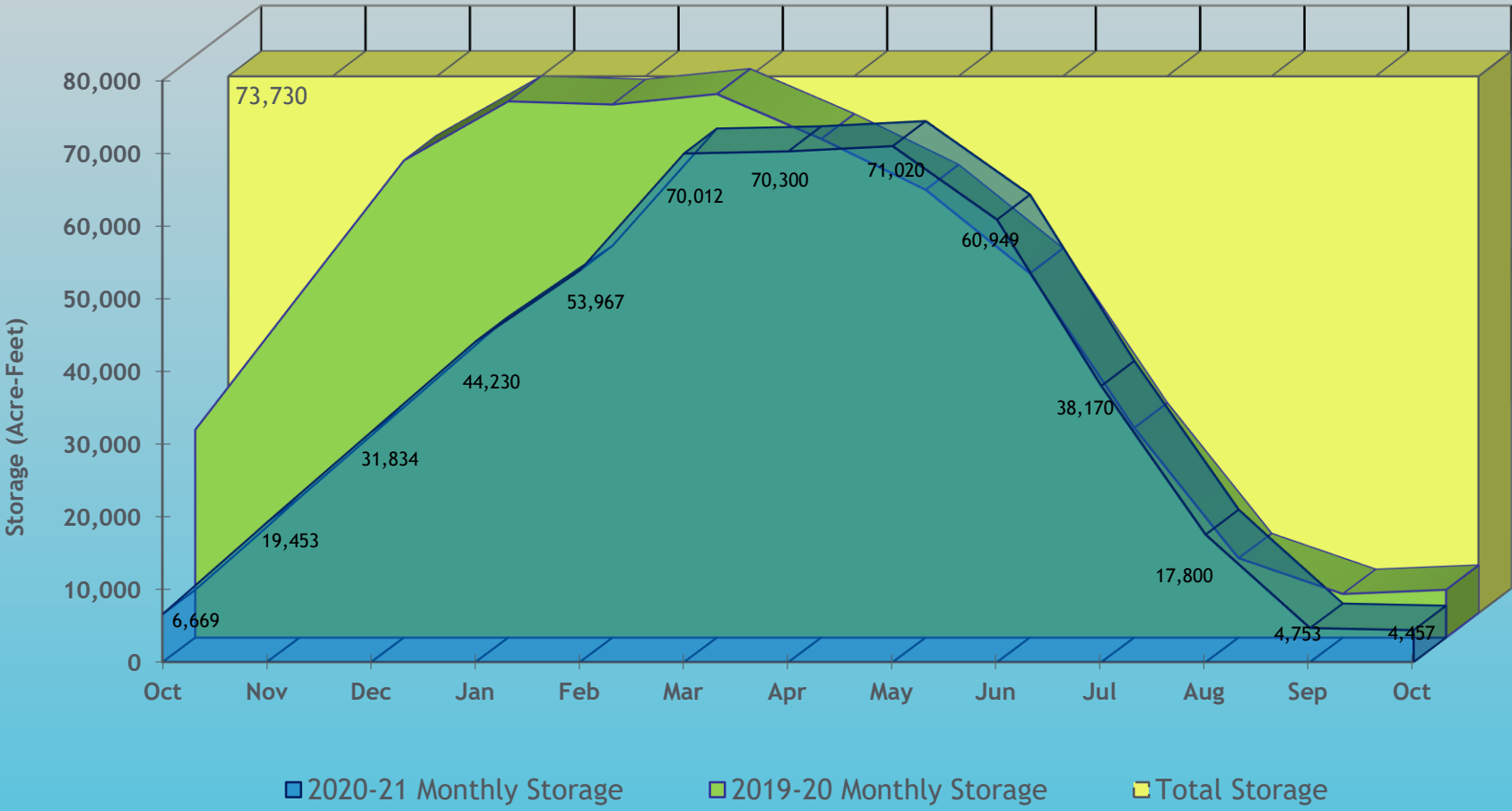


# Julesburg Reservoir (District 64 - Agricultural)

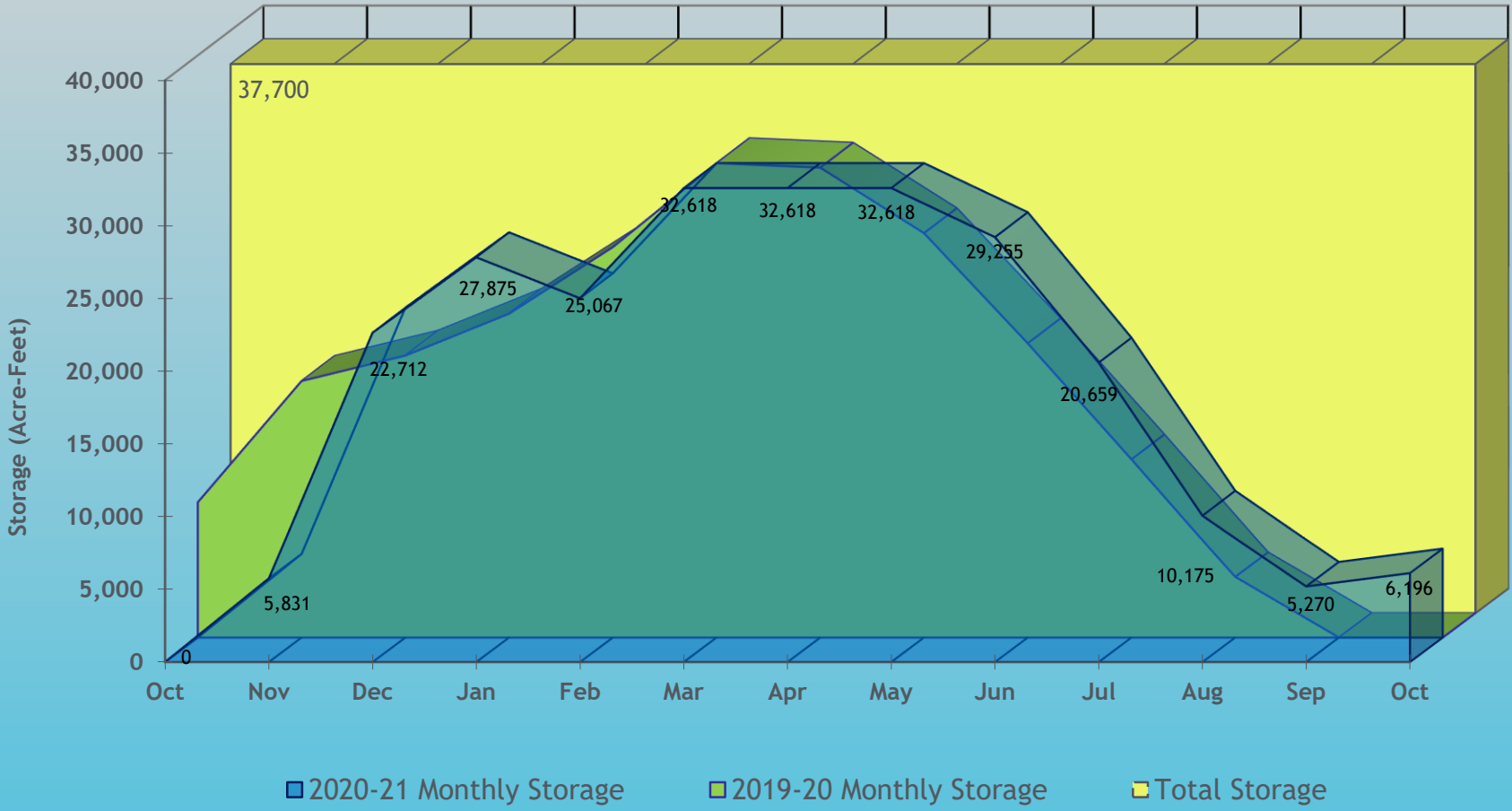




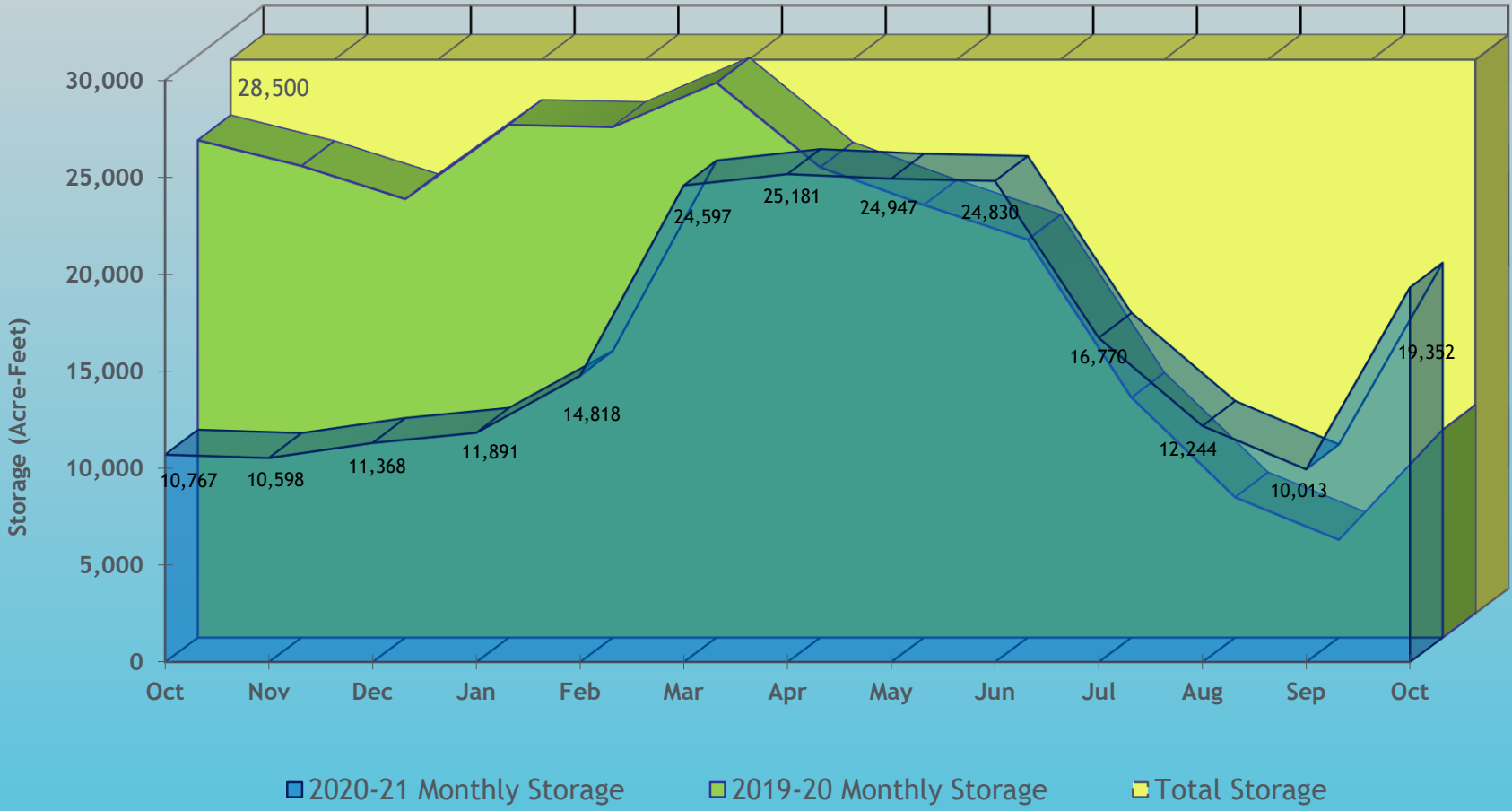
# North Sterling Reservoir (District 64 - Agricultural)



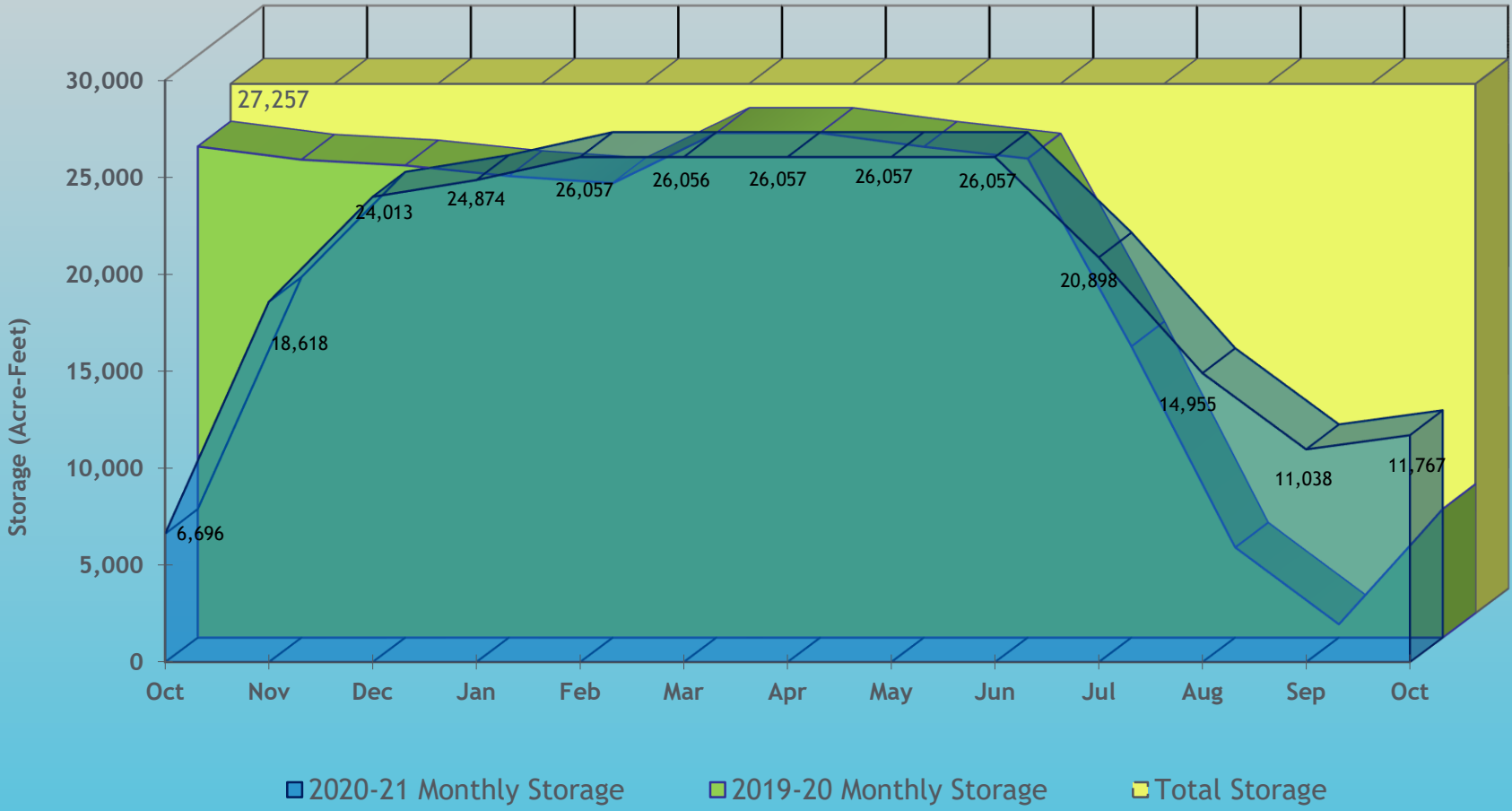
# Empire Reservoir (District 1 - Agricultural)



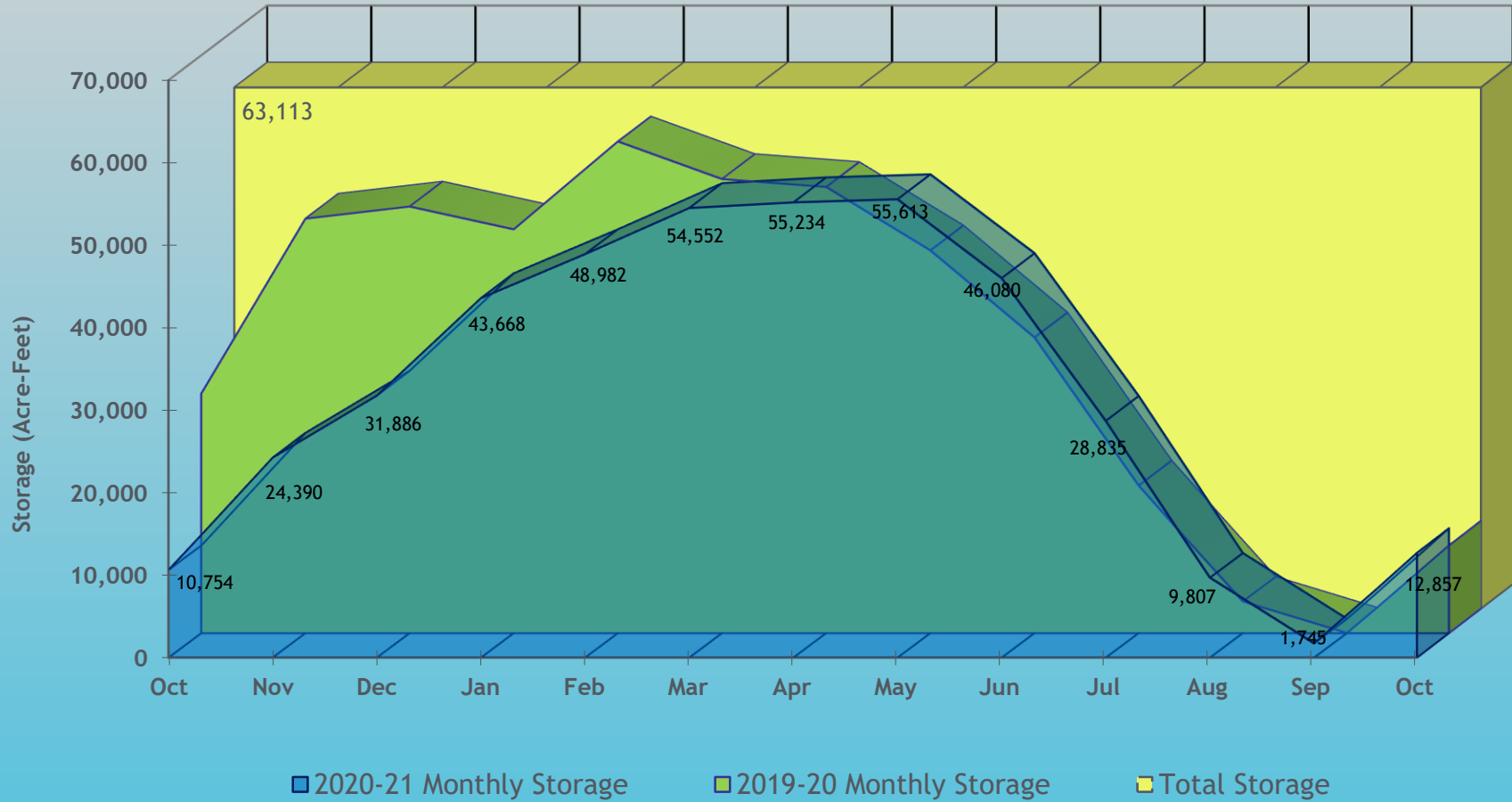
# Prewitt Reservoir (District 64 - Agricultural)



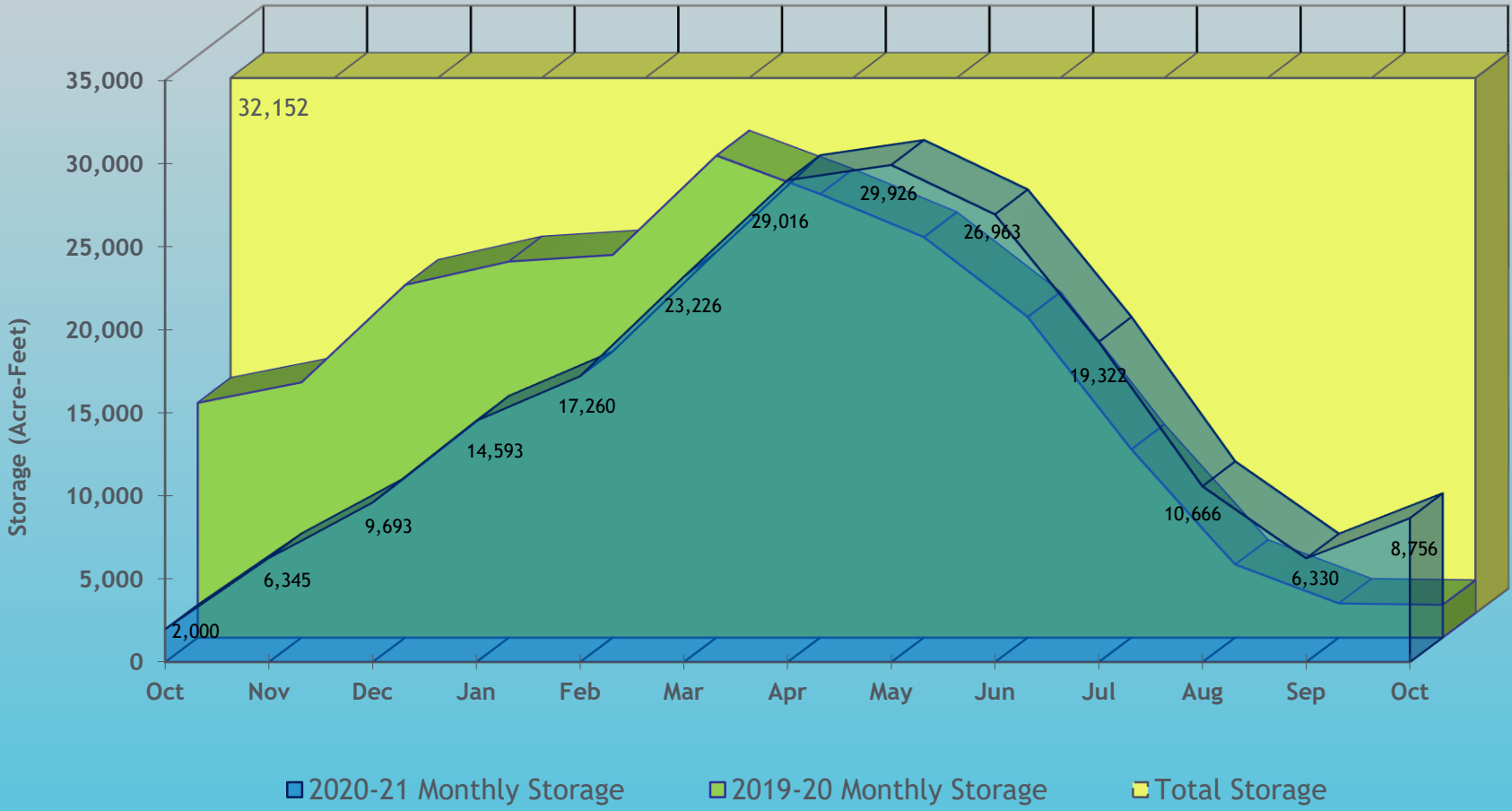
# Jackson Reservoir (District 1 - Agricultural)



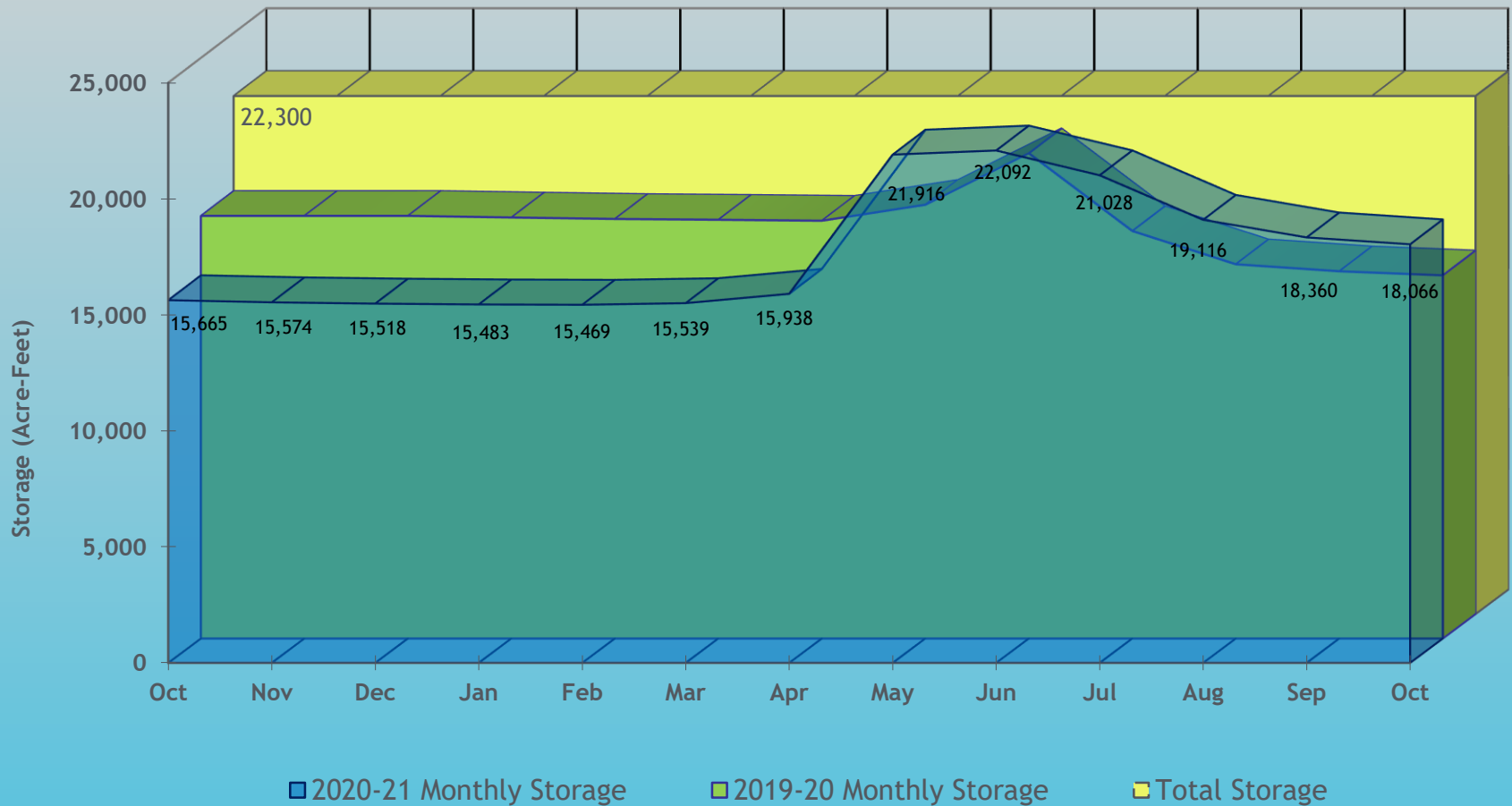
# Riverside Reservoir (District 1 - Agricultural)



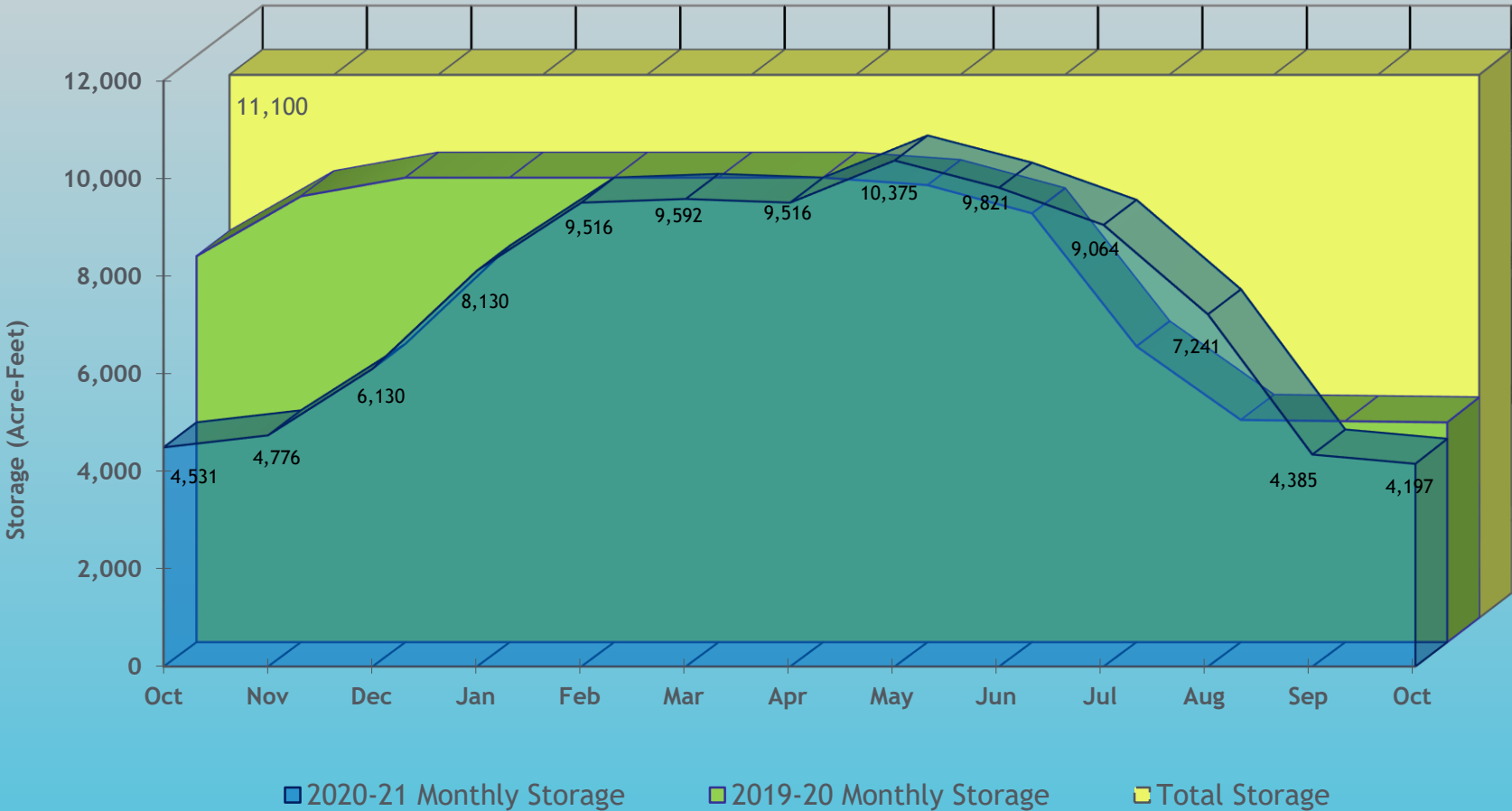
# Barr Reservoir (District 2 - Agricultural)



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

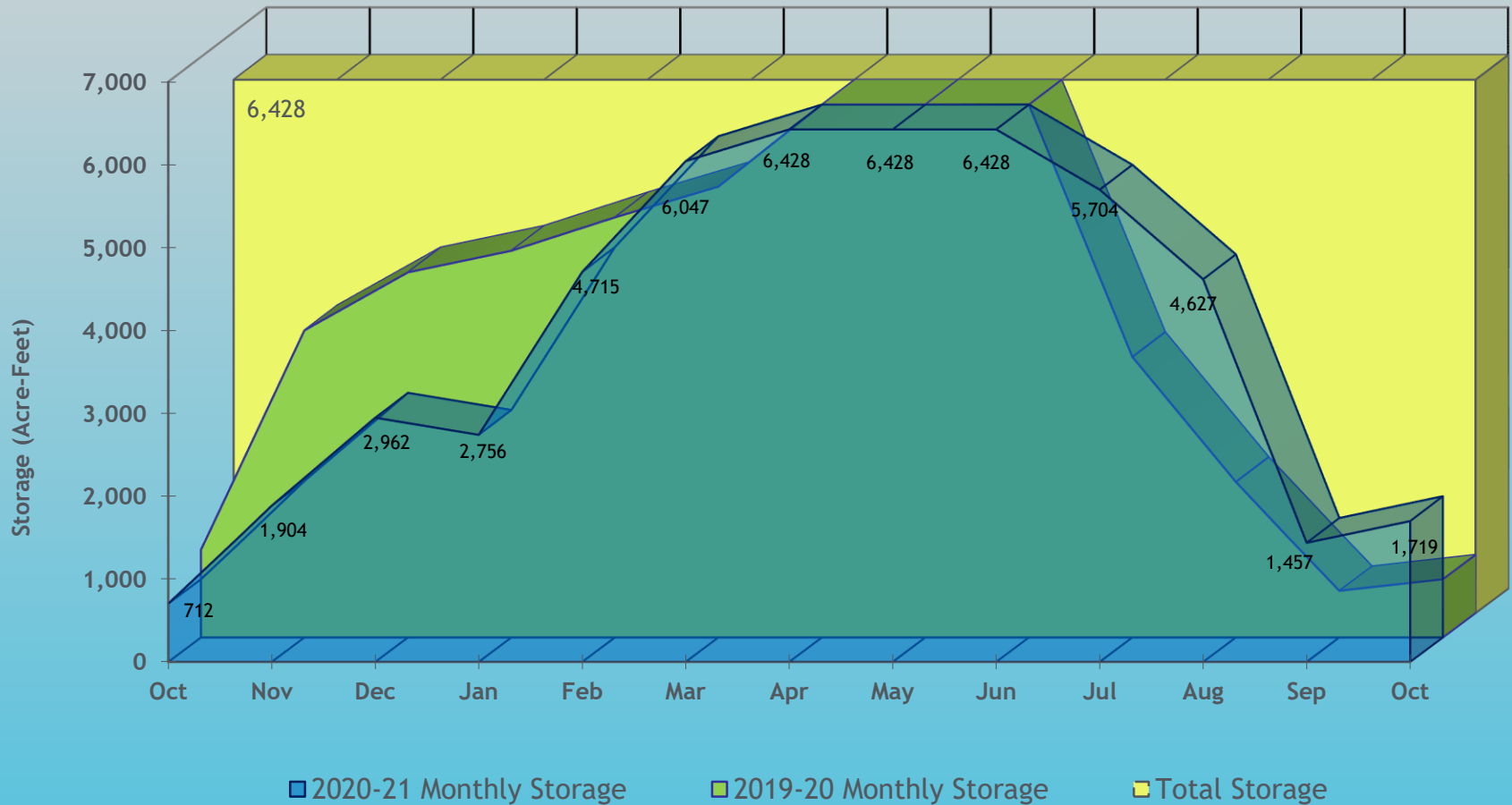


# Fossil Creek Reservoir (District 3, Poudre River - Agricultural)

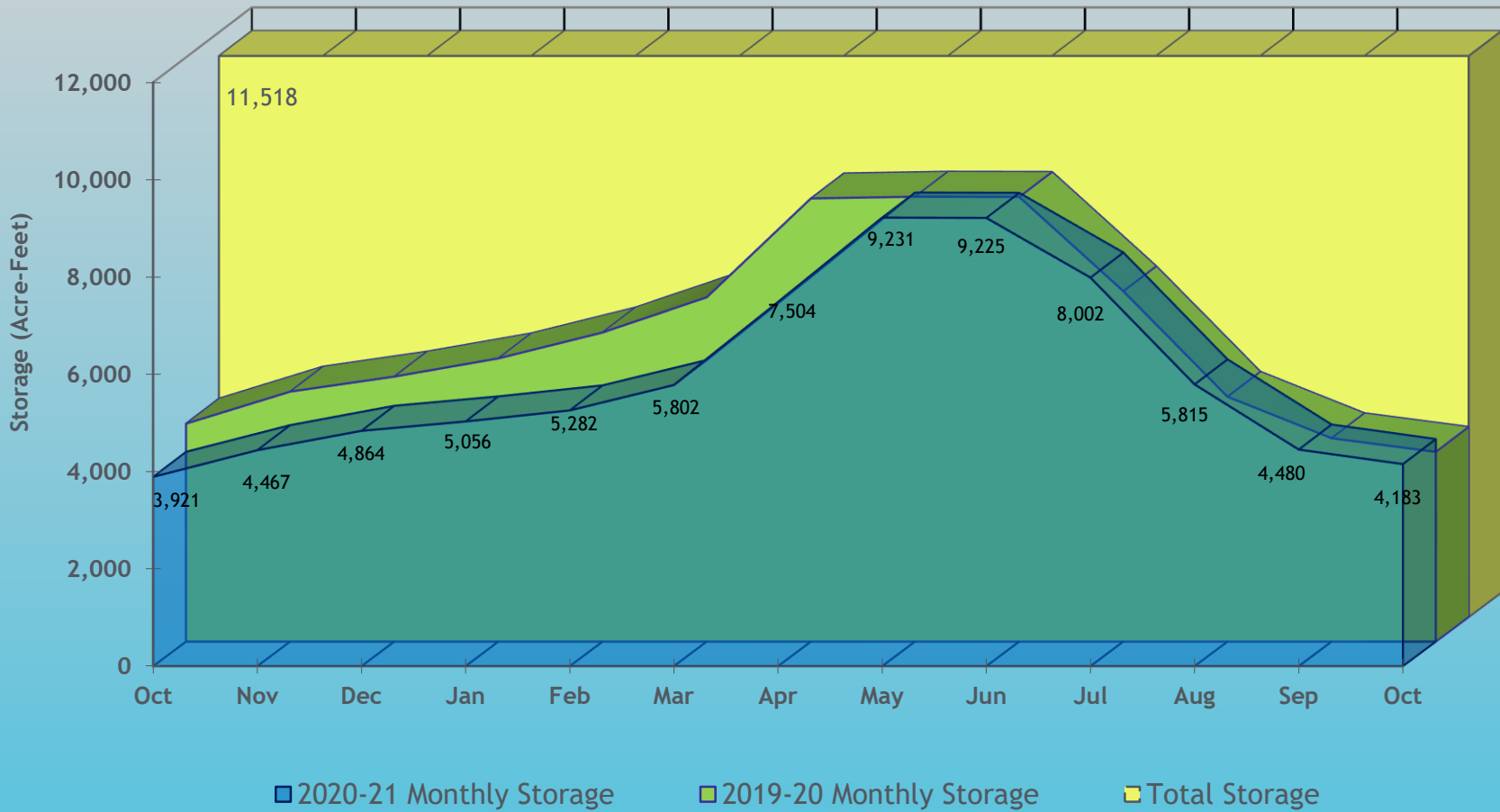




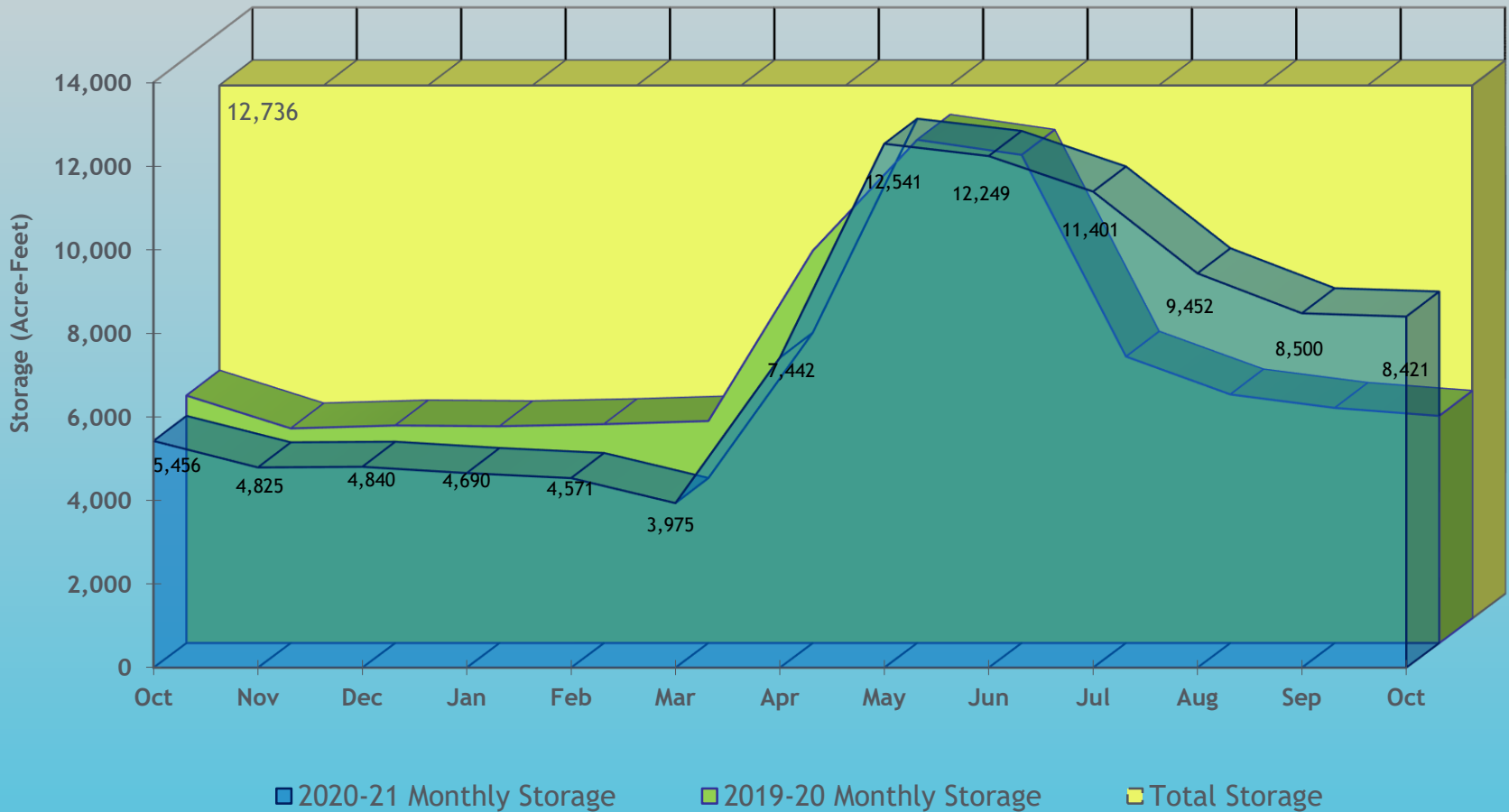
# Halligan Reservoir (District 3, Poudre River - Agricultural)



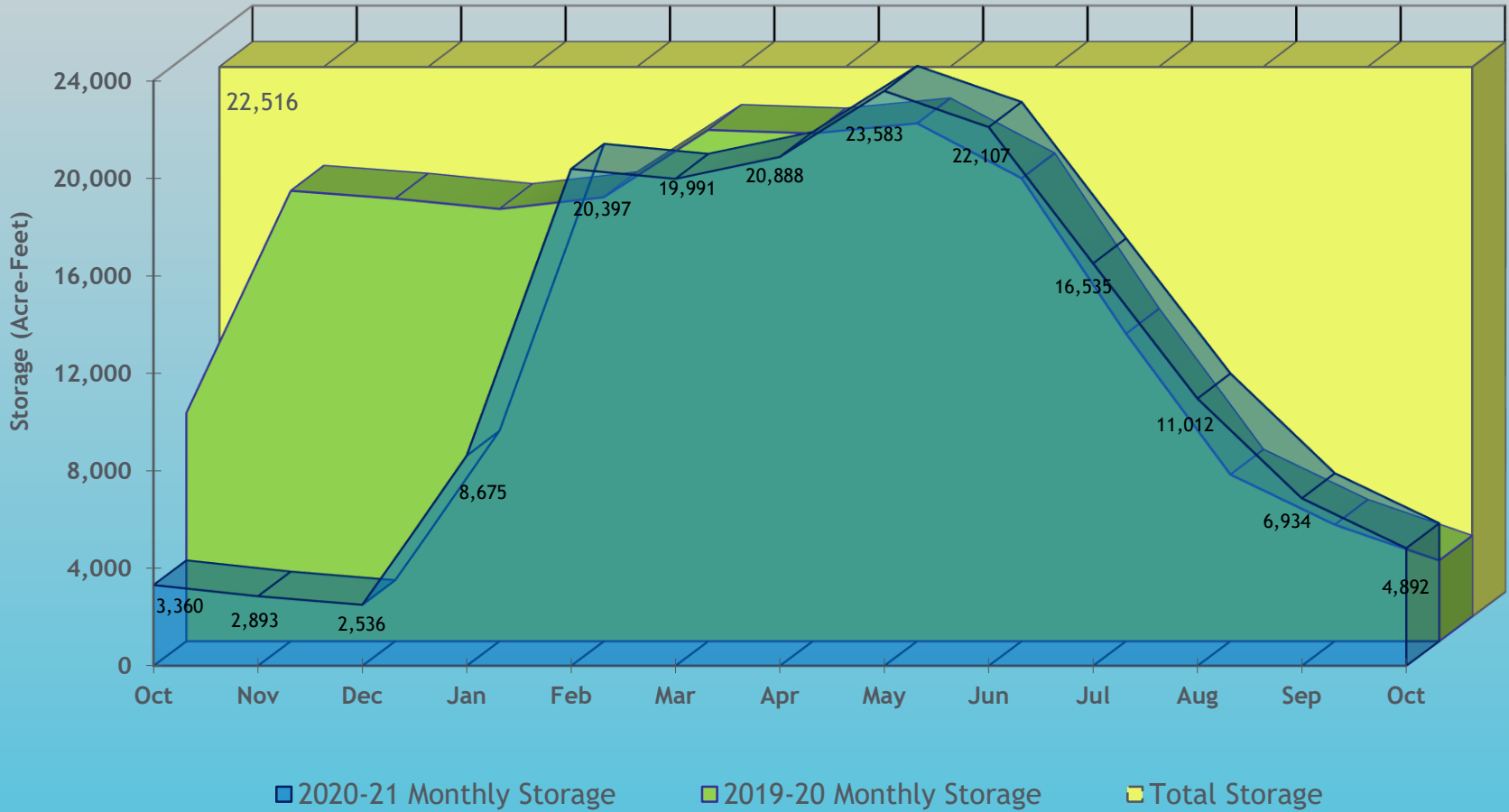
# Marshall Lake (District 6, Boulder Creek - Agricultural)



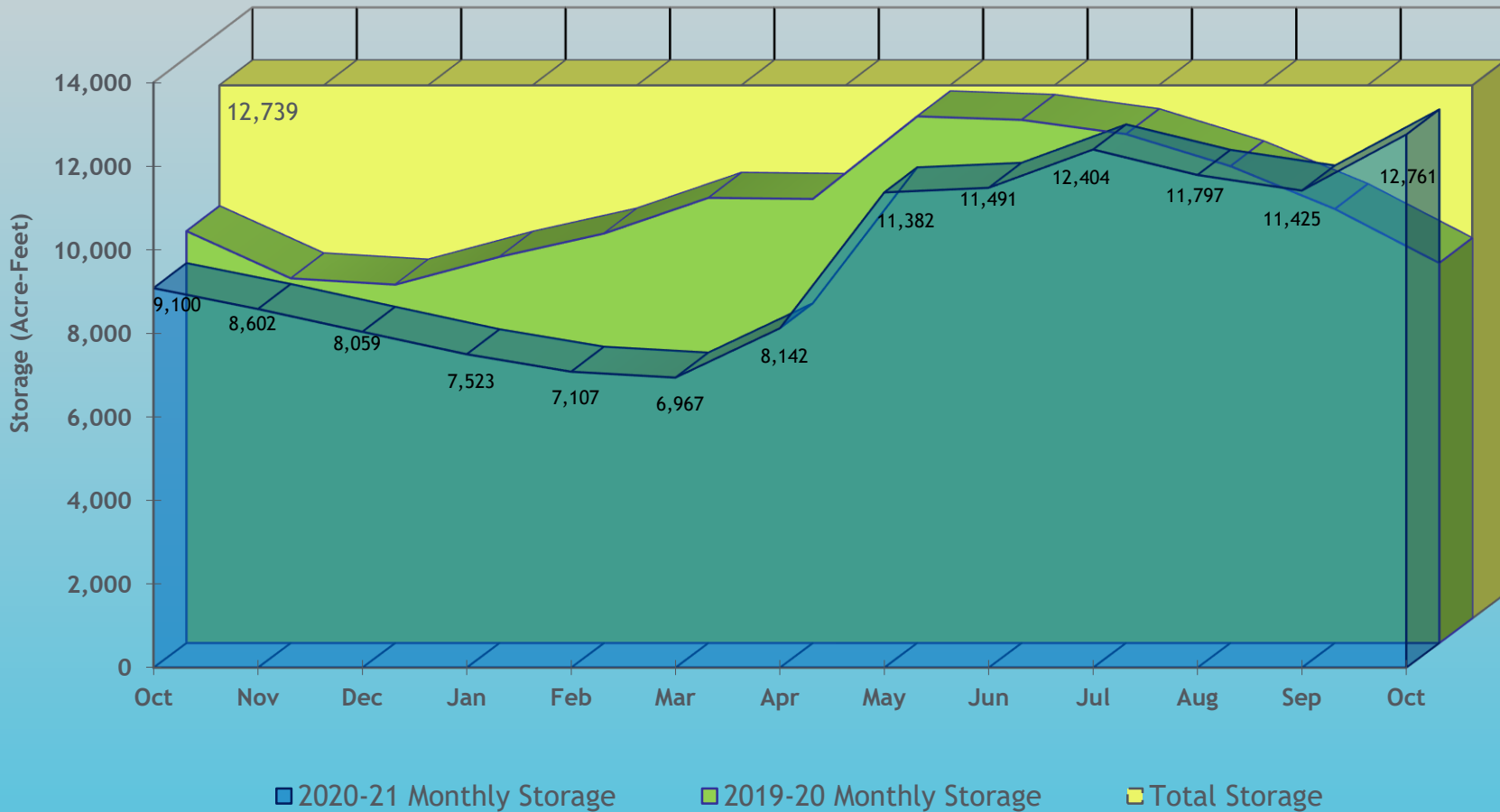
# Loveland Greeley Reservoir (District 4, Big Thompson River - Agricultural)



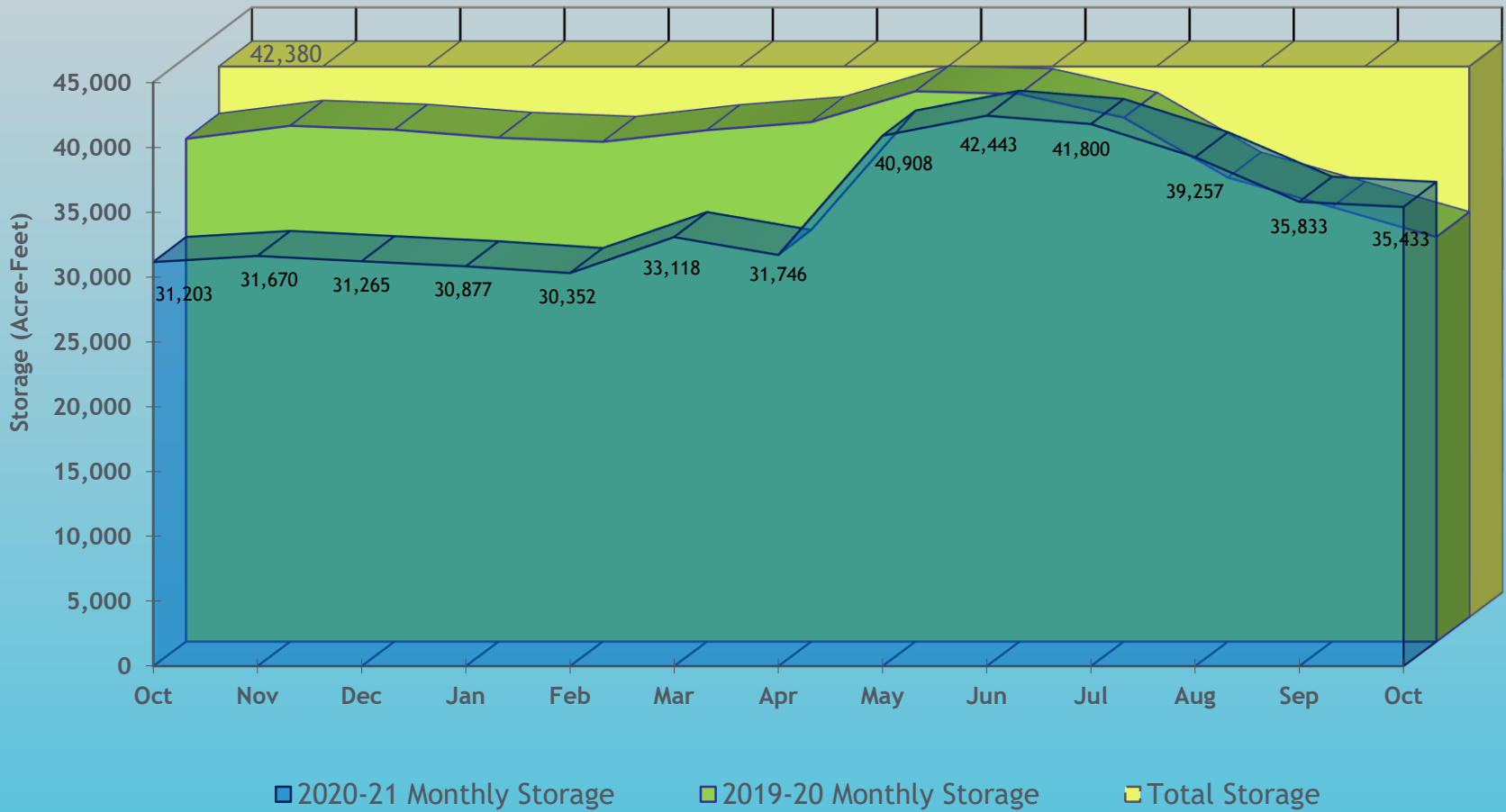
# Milton Reservoir (District 2 - Agricultural)



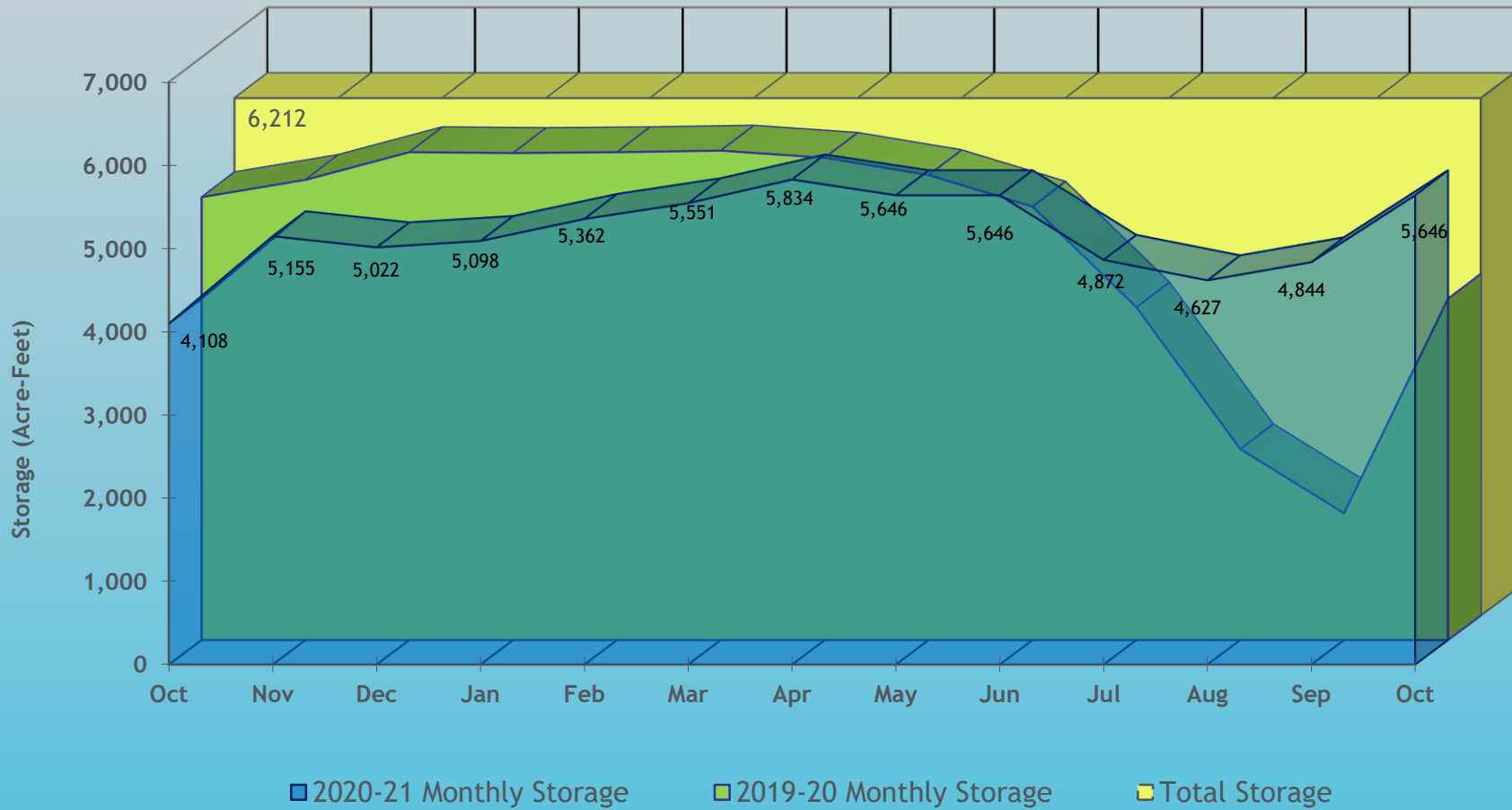
# Union Reservoir (District 5, St. Vrain Creek - Agricultural)



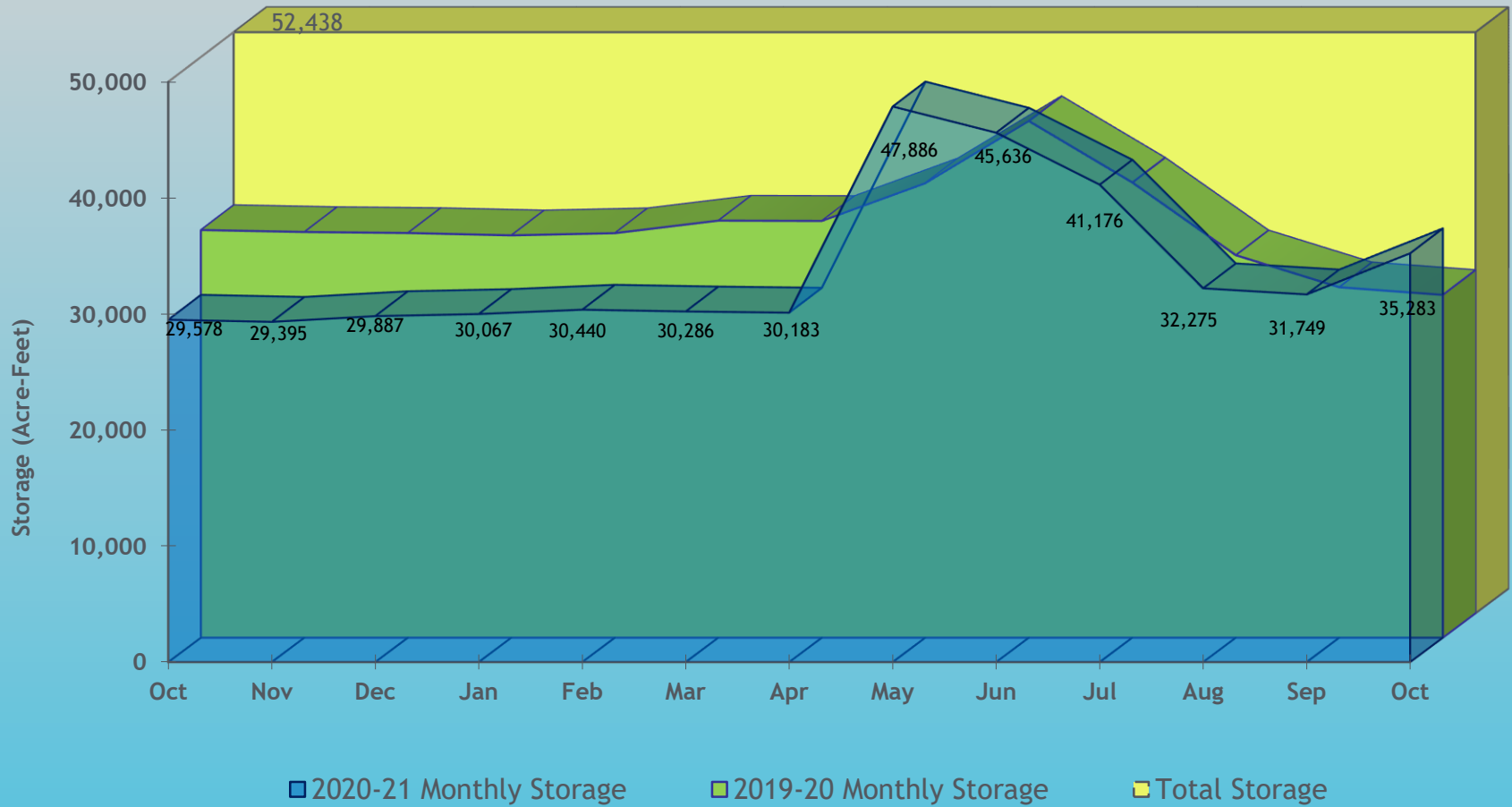
# Standley Lake (Agricultural)



# Lower Latham Reservoir (District 2 - Agricultural)

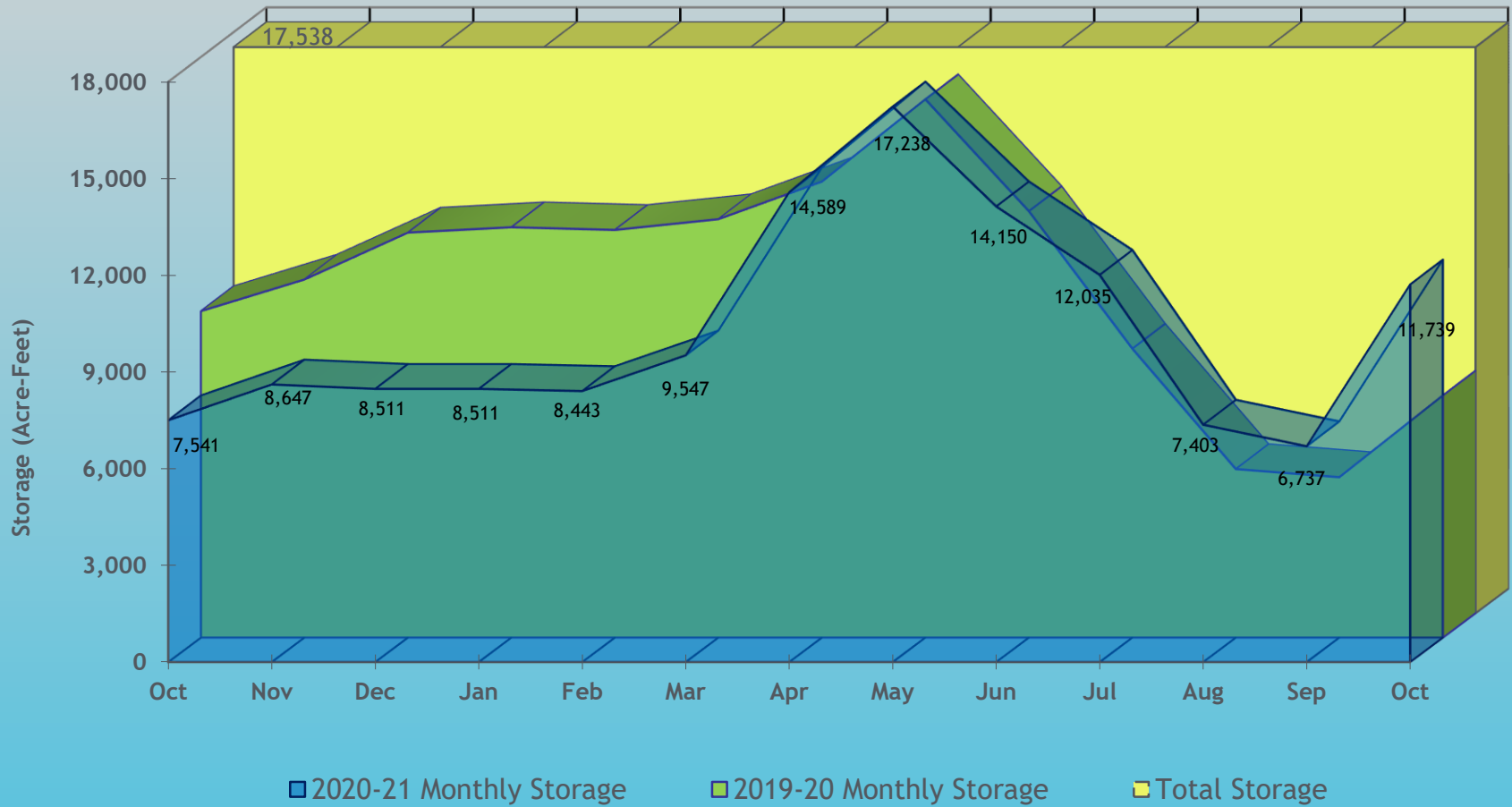


# Boyd Lake (District 4, Big Thompson River - Agricultural)

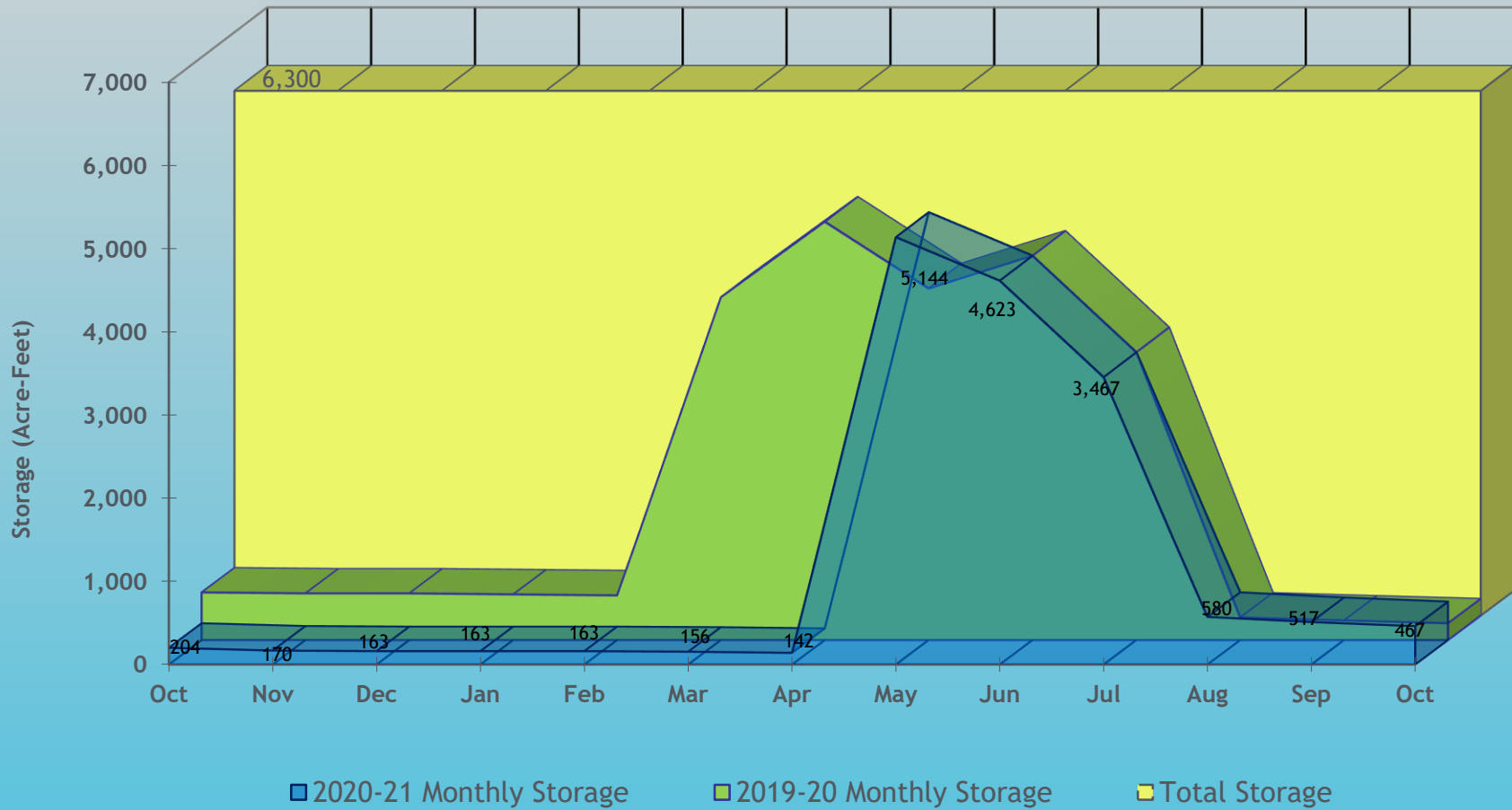




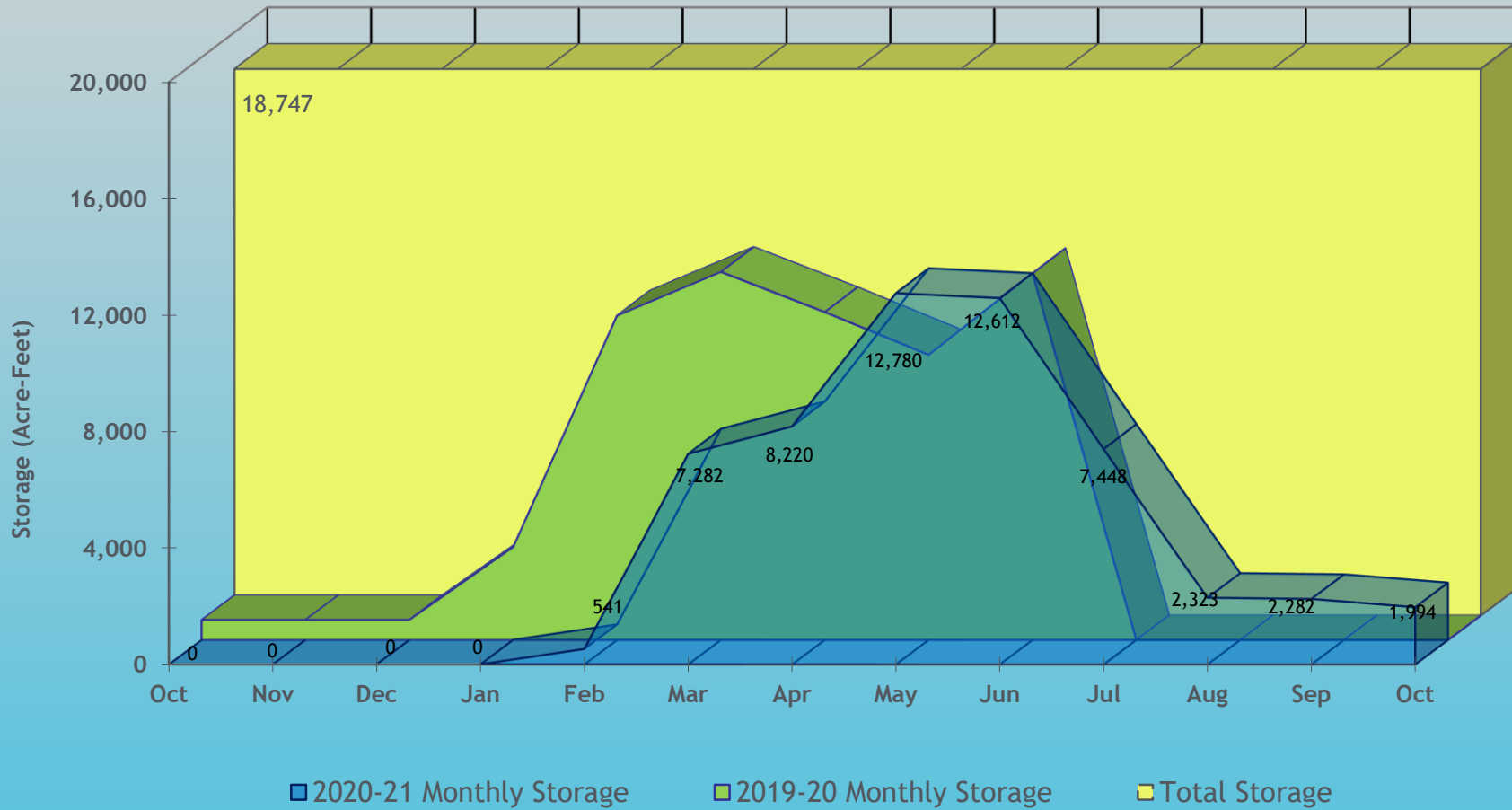
# Windsor Reservoir (District 3, Poudre River - Agricultural)



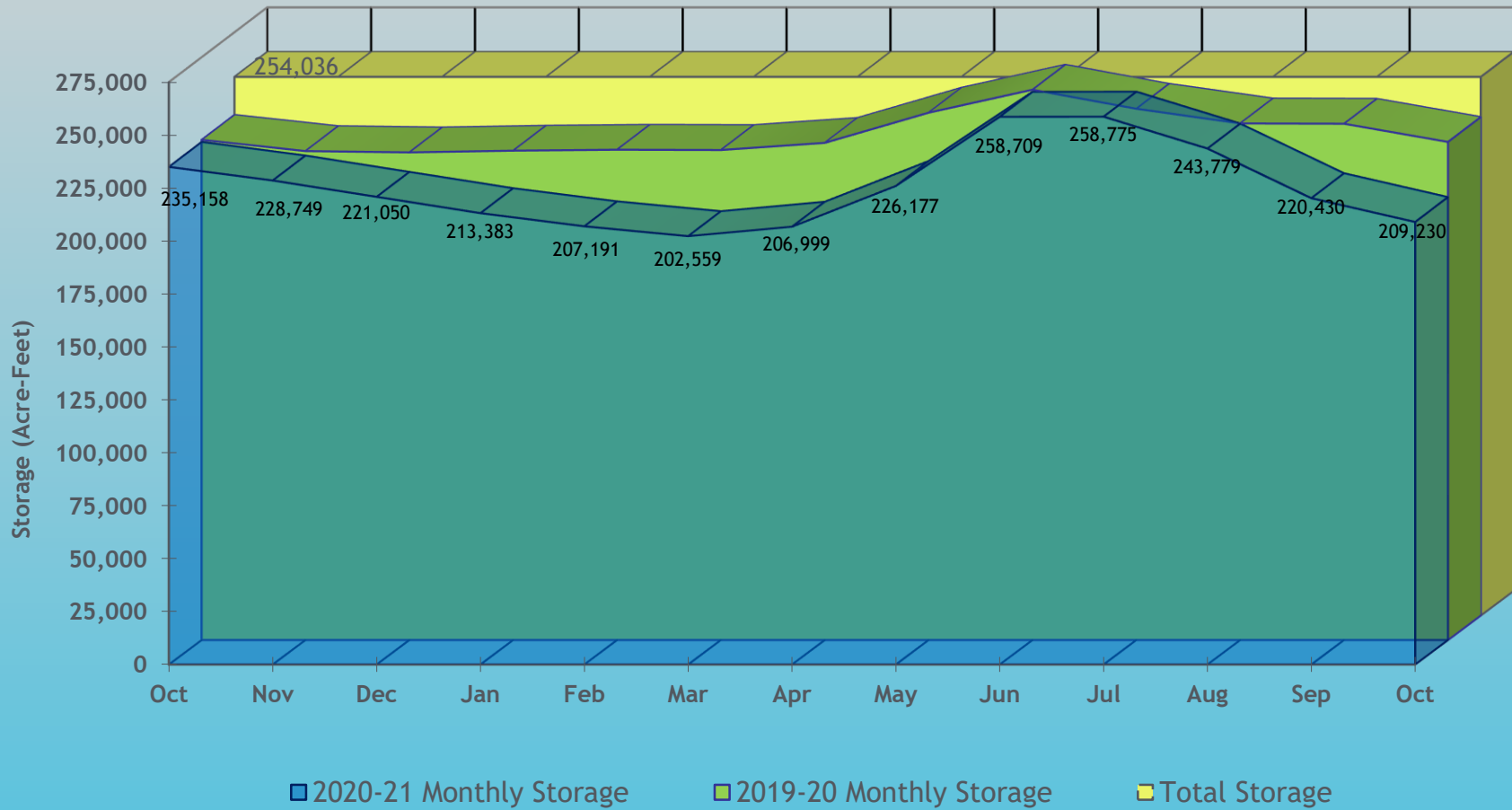
# Prospect Reservoir (District 1 - Agricultural)



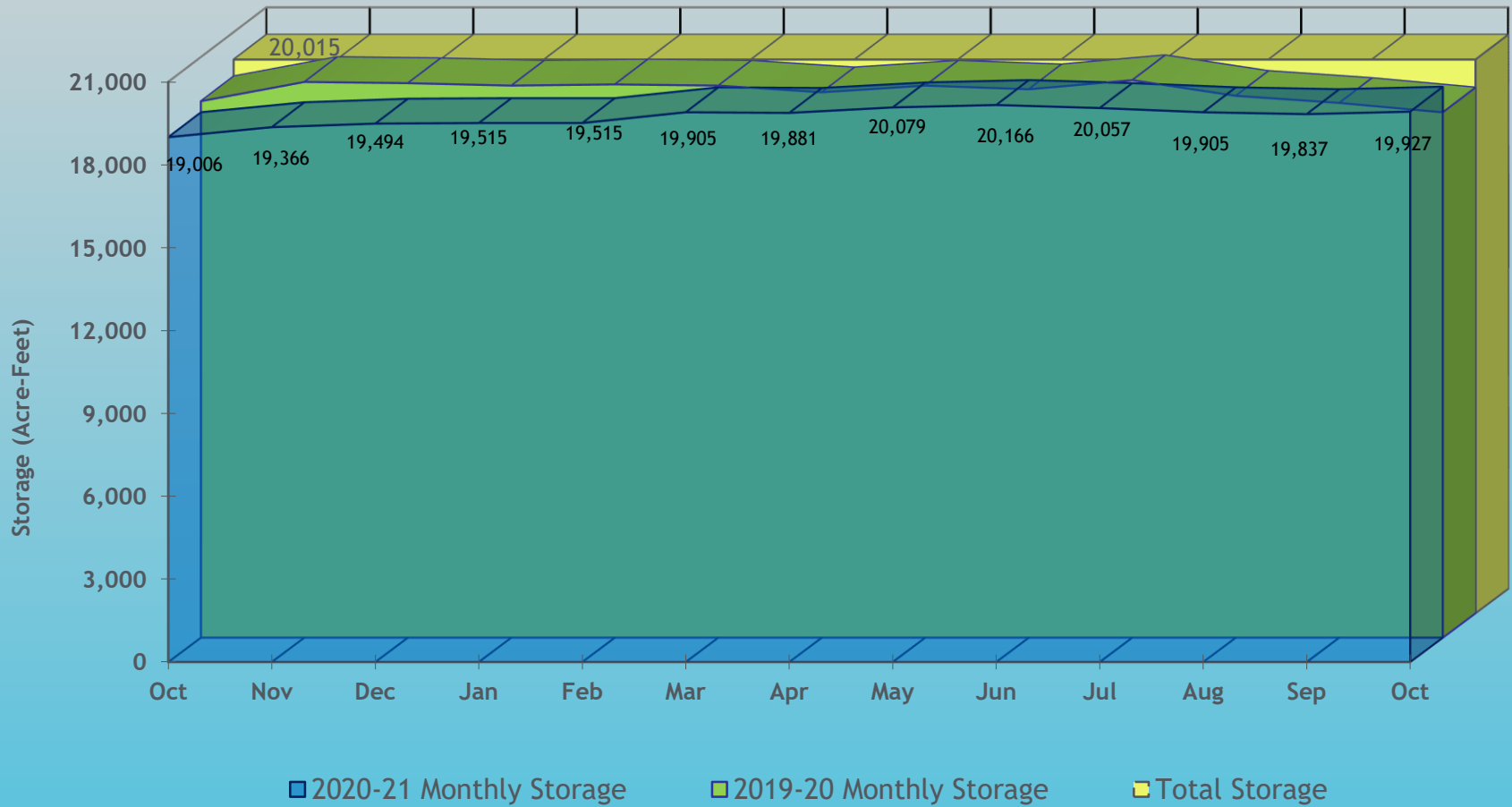
# Horse Creek Reservoir (District 1 - Agricultural)



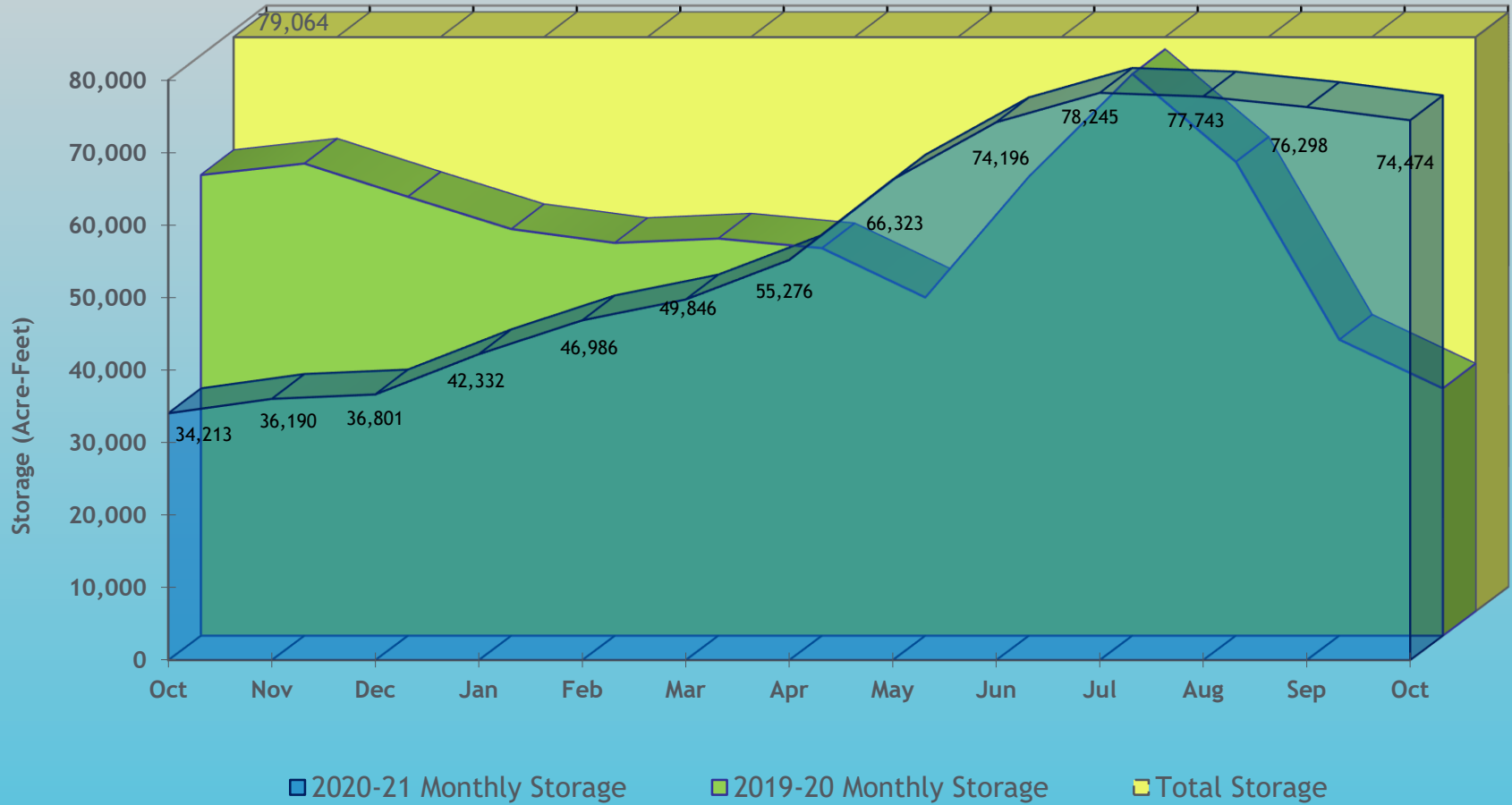
# Dillon Reservoir (District 1 - Municipal)



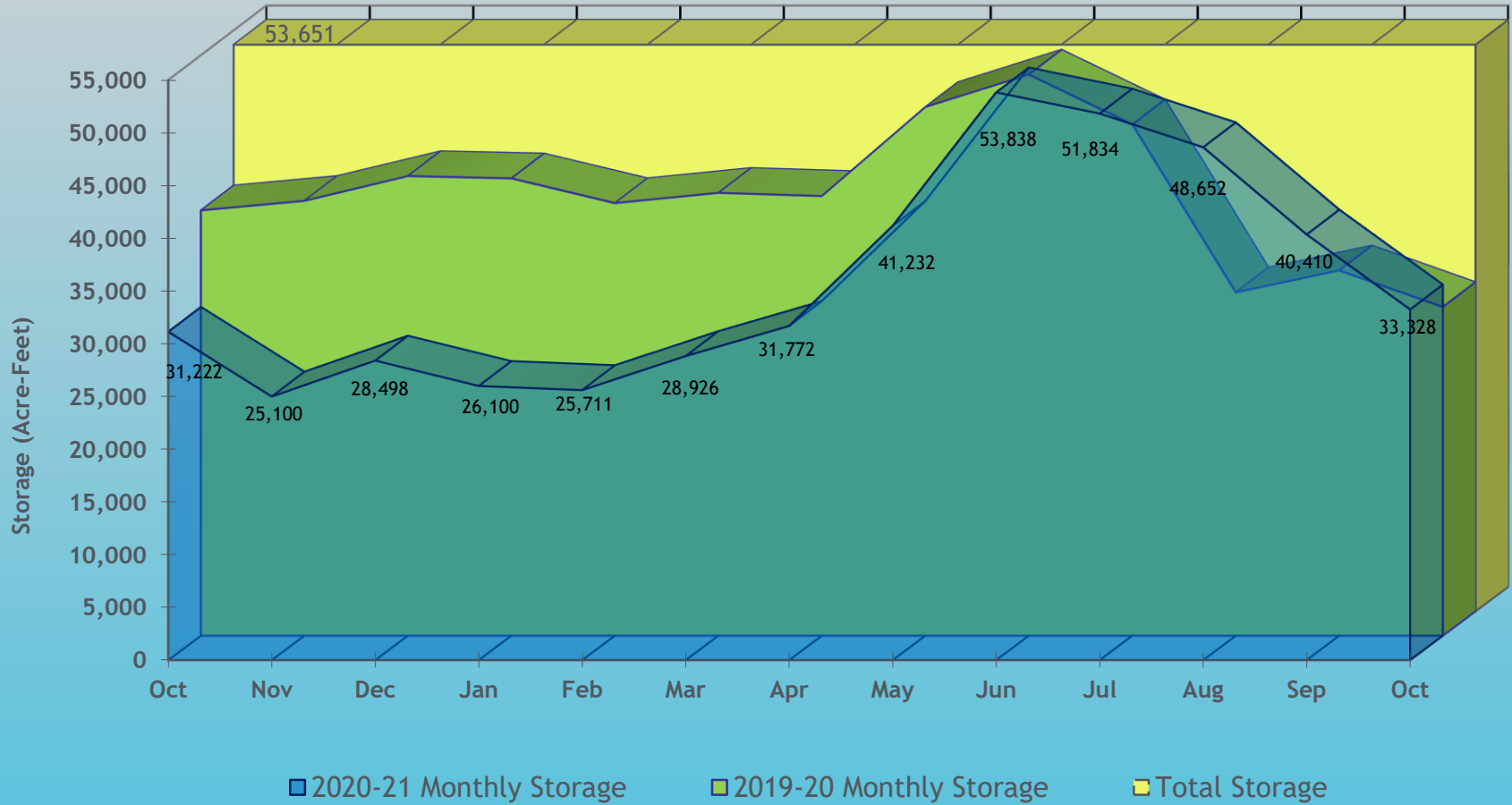
# Antero Reservoir (District 23 - Municipal)



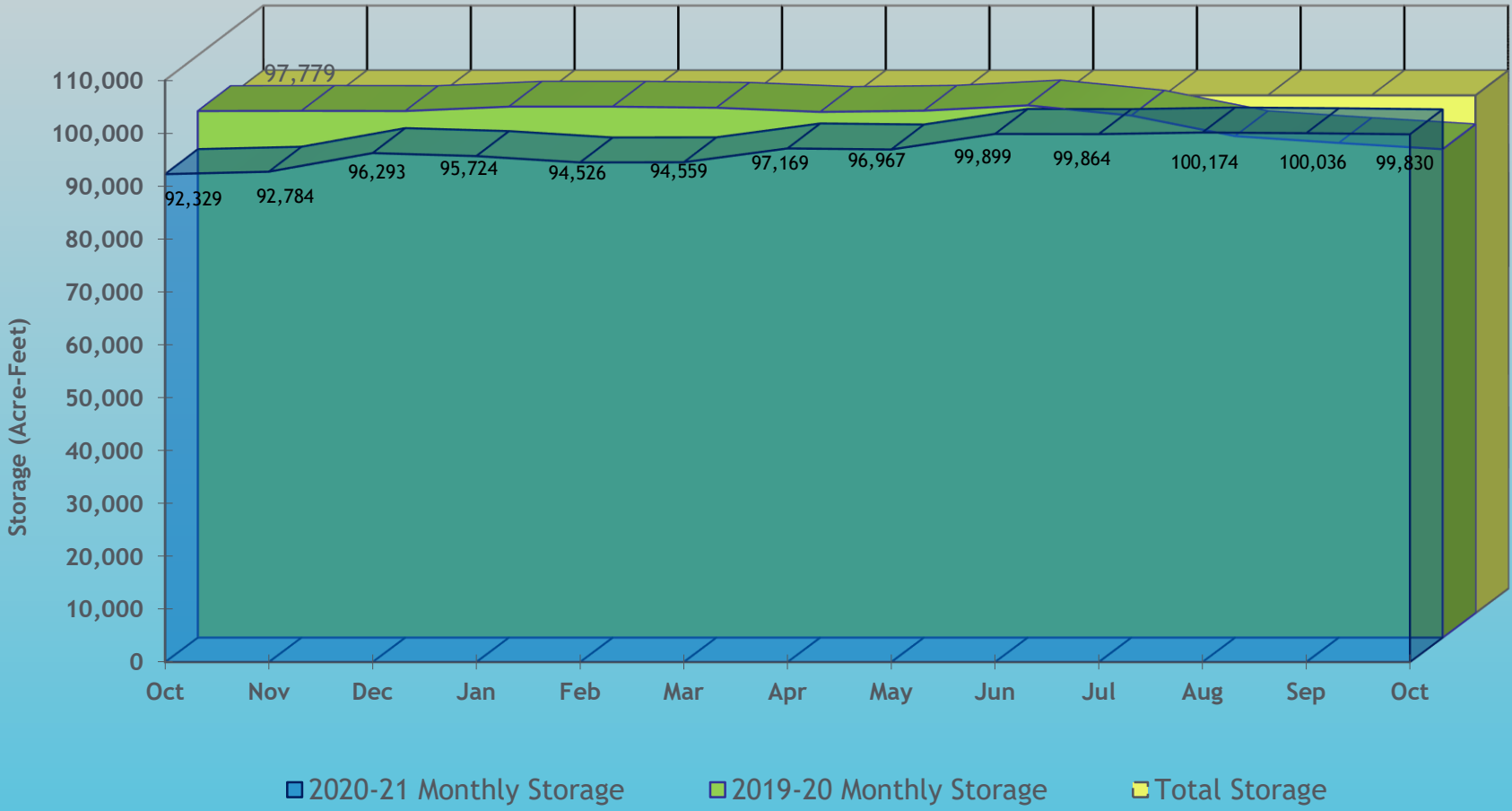
# Cheesman Reservoir (District 80 - Municipal)



# Spinney Mountain Reservoir (District 23 - Municipal)



# Eleven Mile Reservoir (District 23 - Municipal)





# Lake Granby

