



**COLORADO**  
Department of Natural Resources

## South Platte Summary April 2020

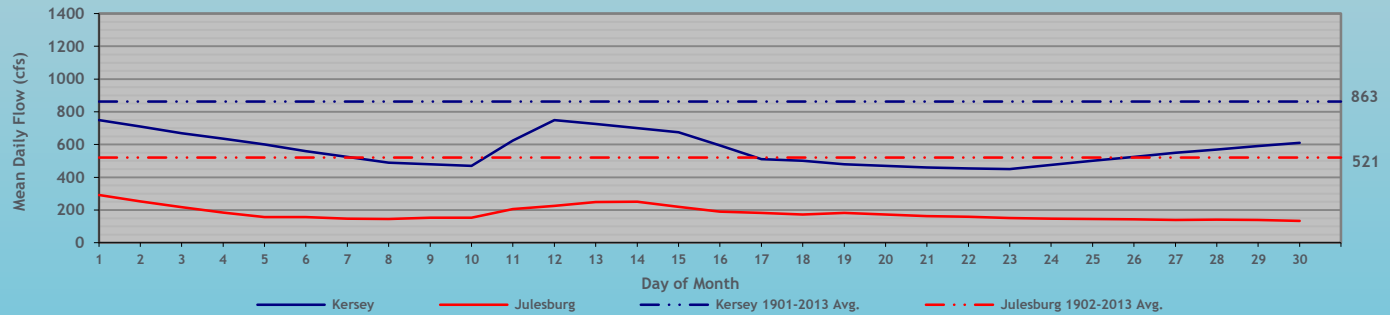
Compiled by Lee Cunning, P.E.

# COLORADO DIVISION OF WATER RESOURCES, DIVISION 1

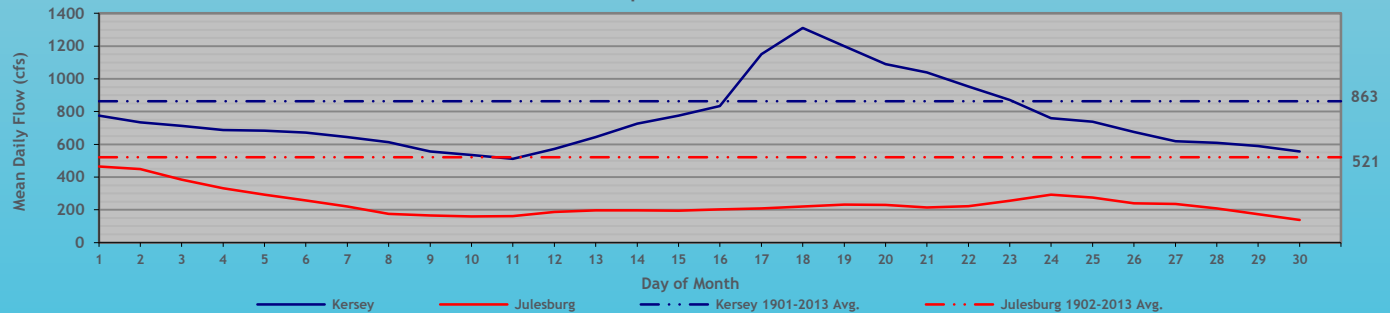
## MONTH OF April 2020

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	22,888	20,651	64	-2,237	-10%	91%	90%	0
N STERLING	73,730	74,732	68,583	64	-6,149	-8%	93%	96%	0
PREWITT	28,500	28,597	24,250	64	-4,347	-15%	85%	85%	0
JACKSON	27,257	26,014	26,014	1	0	0%	95%	96%	0
EMPIRE	37,700	32,618	32,313	1	-305	-1%	86%	96%	0
RIVERSIDE	63,113	55,045	54,097	1	-948	-2%	86%	88%	0
BARR LAKE	32,152	28,998	26,690	2	-2,308	-8%	83%	80%	0
CHEESMAN	79,064	54,813	53,486	80	-1,327	-2%	68%	82%	0
ELEVEN MILE	97,779	100,140	99,349	23	-791	-1%	100%	100%	1,570
SPINNEY	53,651	42,000	41,700	23	-300	-1%	78%	81%	0
ANTERO	20,015	19,970	19,729	23	-241	-1%	99%	99%	0

KERSEY and JULESBURG  
April 2019

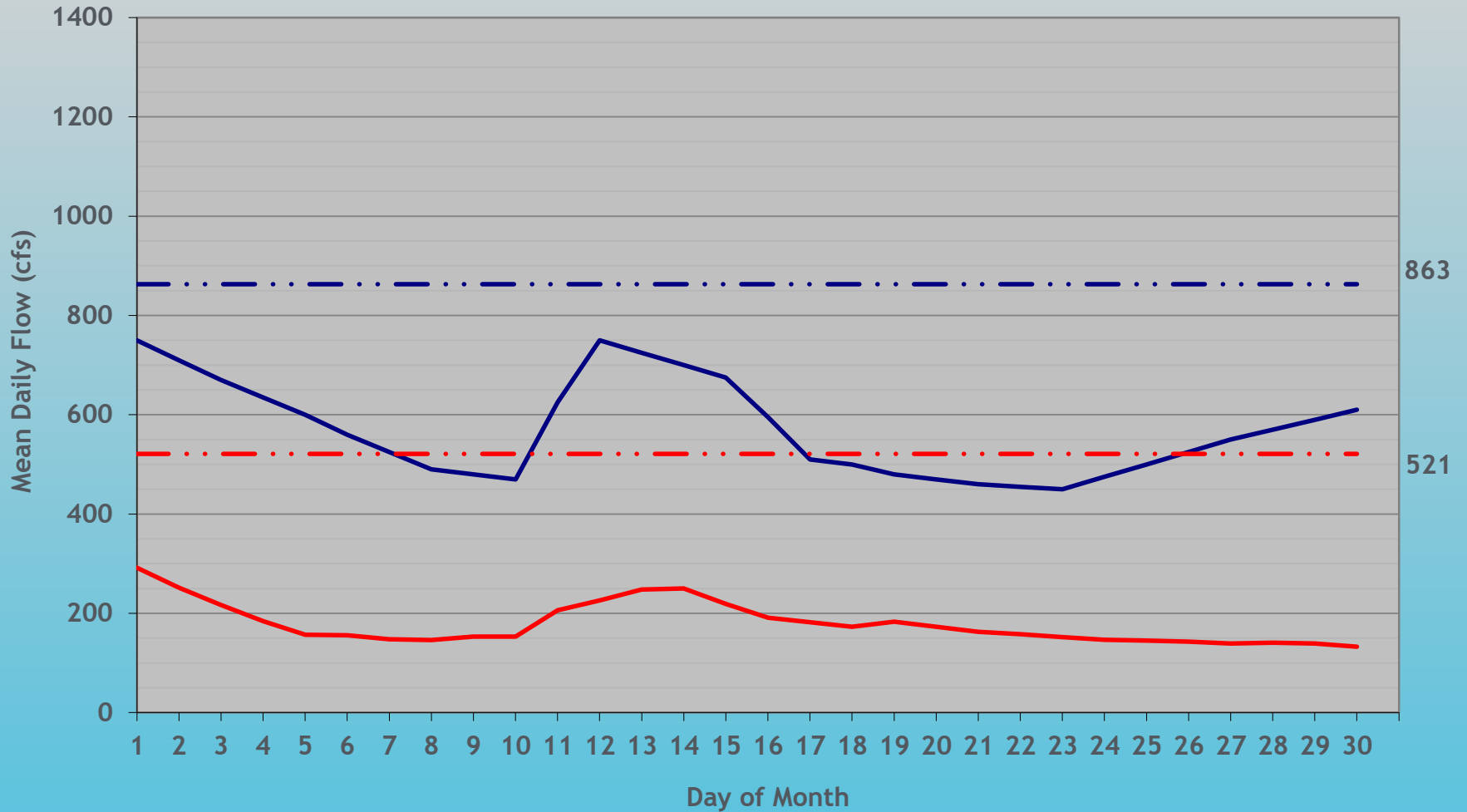


KERSEY and JULESBURG  
April 2020



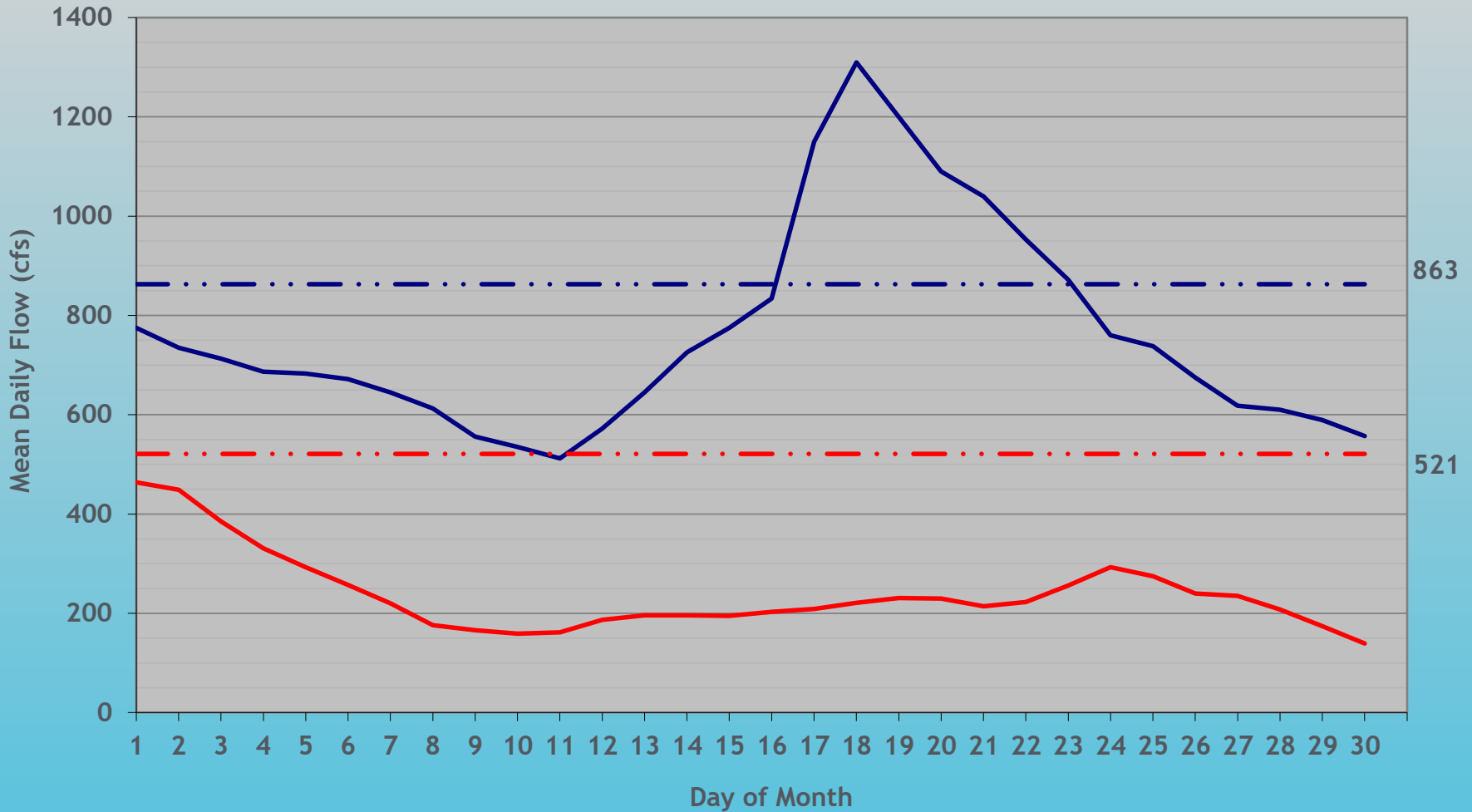
RIVER GAGES	MEAN DAILY FLOW (CFS)
<b>KERSEY</b>	<b>761</b>
<b>JULESBURG</b>	<b>240</b>
<b>THIS MONTH LAST YEAR</b>	
<b>KERSEY</b>	<b>570</b>
<b>JULESBURG</b>	<b>179</b>
<b>MEAN FOR PERIOD OF RECORD*</b>	
<b>KERSEY</b>	<b>863</b>
<b>JULESBURG</b>	<b>521</b>

# KERSEY and JULESBURG April 2019



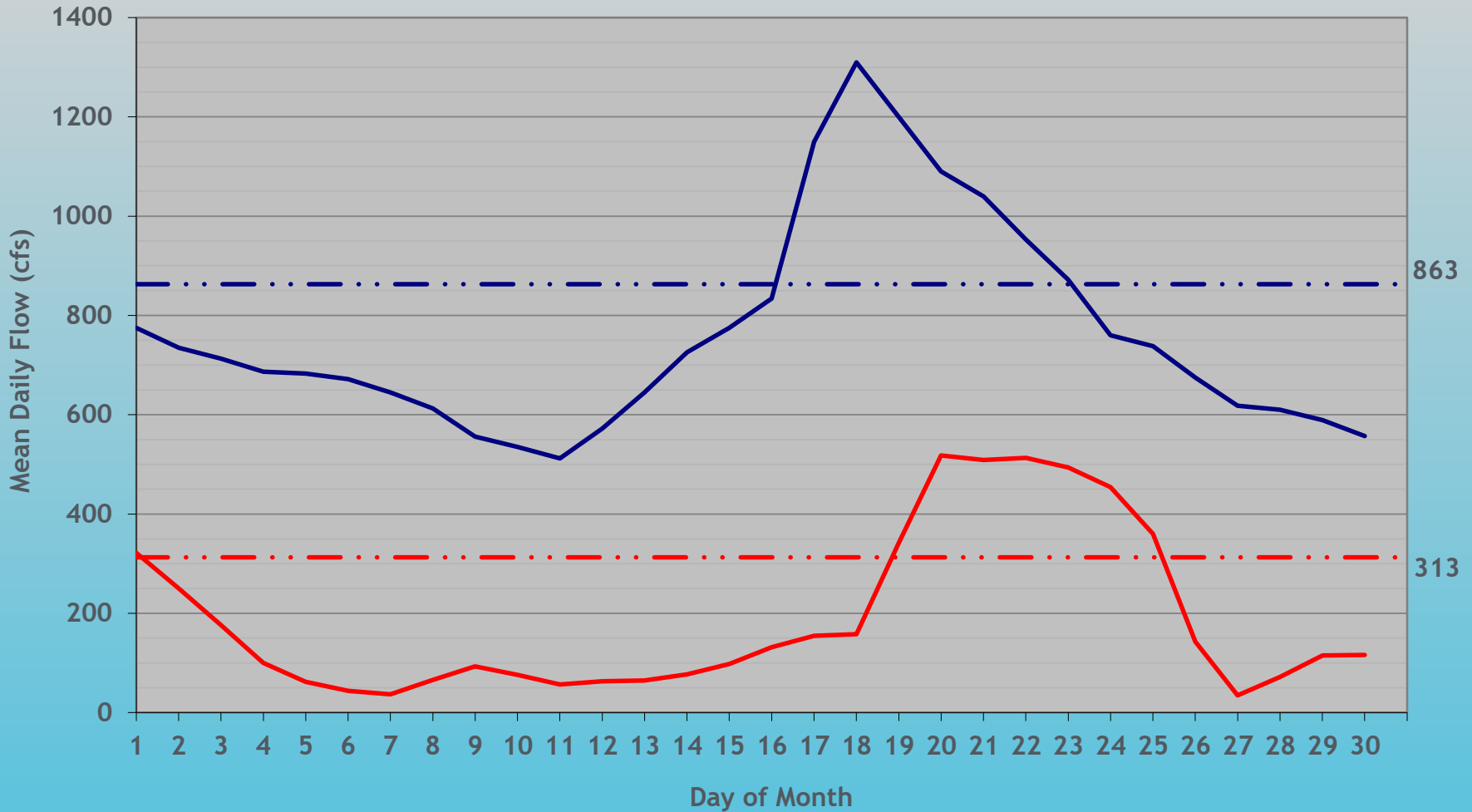
— Kersey — Julesburg — • Kersey 1901-2013 Avg. — • Julesburg 1902-2013 Avg.

# KERSEY and JULESBURG April 2020



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

# KERSEY and BALZAC April 2020



— Kersey

— Balzac

· Kersey 1901-2013 Avg.

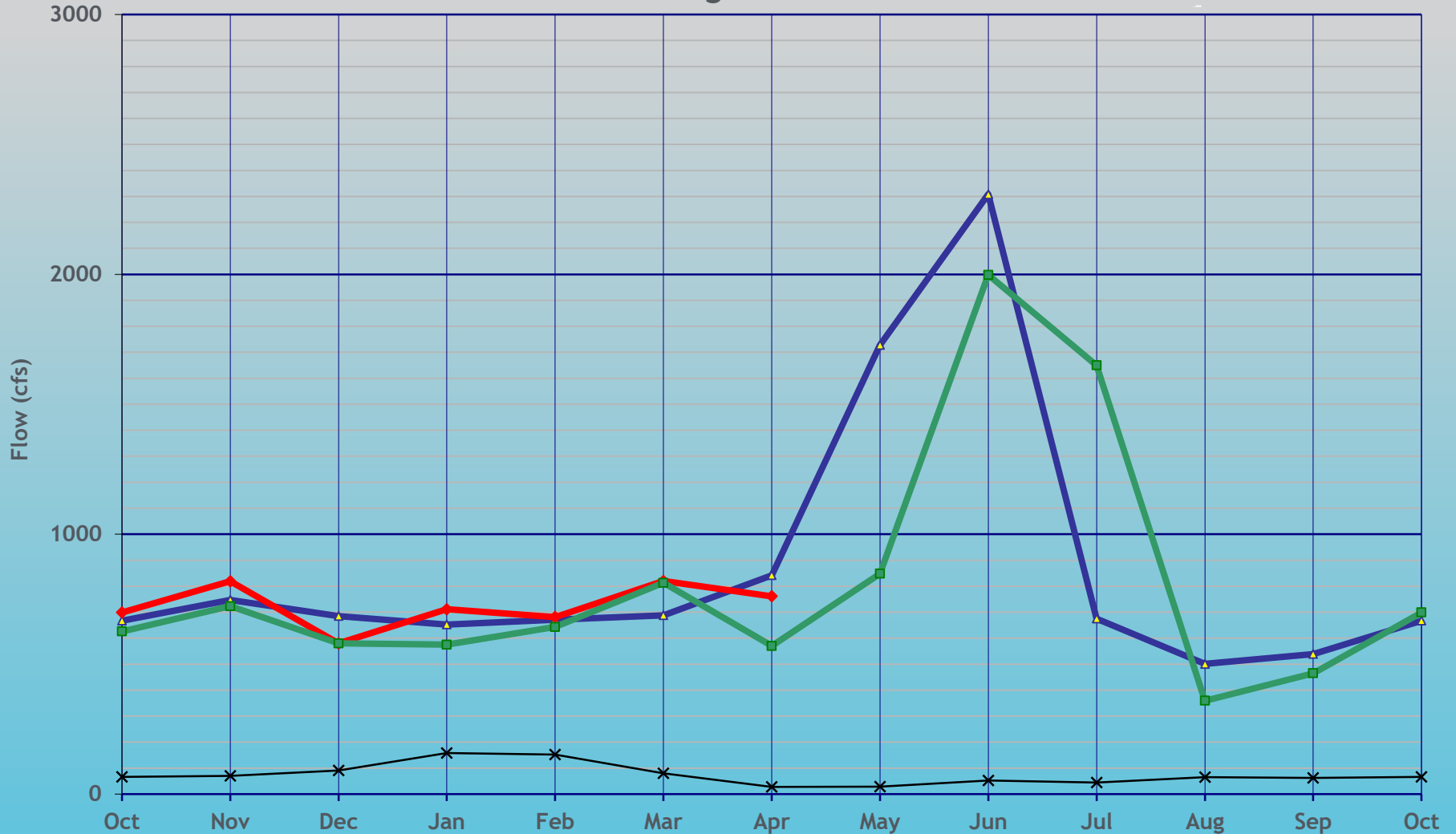
· Balzac 1917-2013 Avg.

# 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 2020 Mean Monthly Flow	Month	Historic* Mean Flow	Historic* Max Flow	Year	Historic* Min Flow	Year	IY 2020 Mean Monthly Flow
Oct	667	6180	1984	66	1954	699	Oct	299	3130	1984	4.2	1903	179
Nov	747	3650	1984	70	1934	819	Nov	335	2900	1984	4.2	1903	310
Dec	685	1890	1961	91	1934	580	Dec	401	1820	1984	13	2002	680
Jan	652	2160	1974	158	1935	711	Jan	512	2510	1970	21	2003	797
Feb	671	3060	1914	152	1935	681	Feb	578	3220	1930	29	2005	591
Mar	688	3470	1983	80	1935	820	Mar	512	12900	1910	15	1904	312
Apr	842	18100	1942	28	1955	761	Apr	514	14400	1942	4.0	1904	240
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 1902-2018							*Period of record 1902-2018						

# South Platte River at Kersey

Irrigation Year

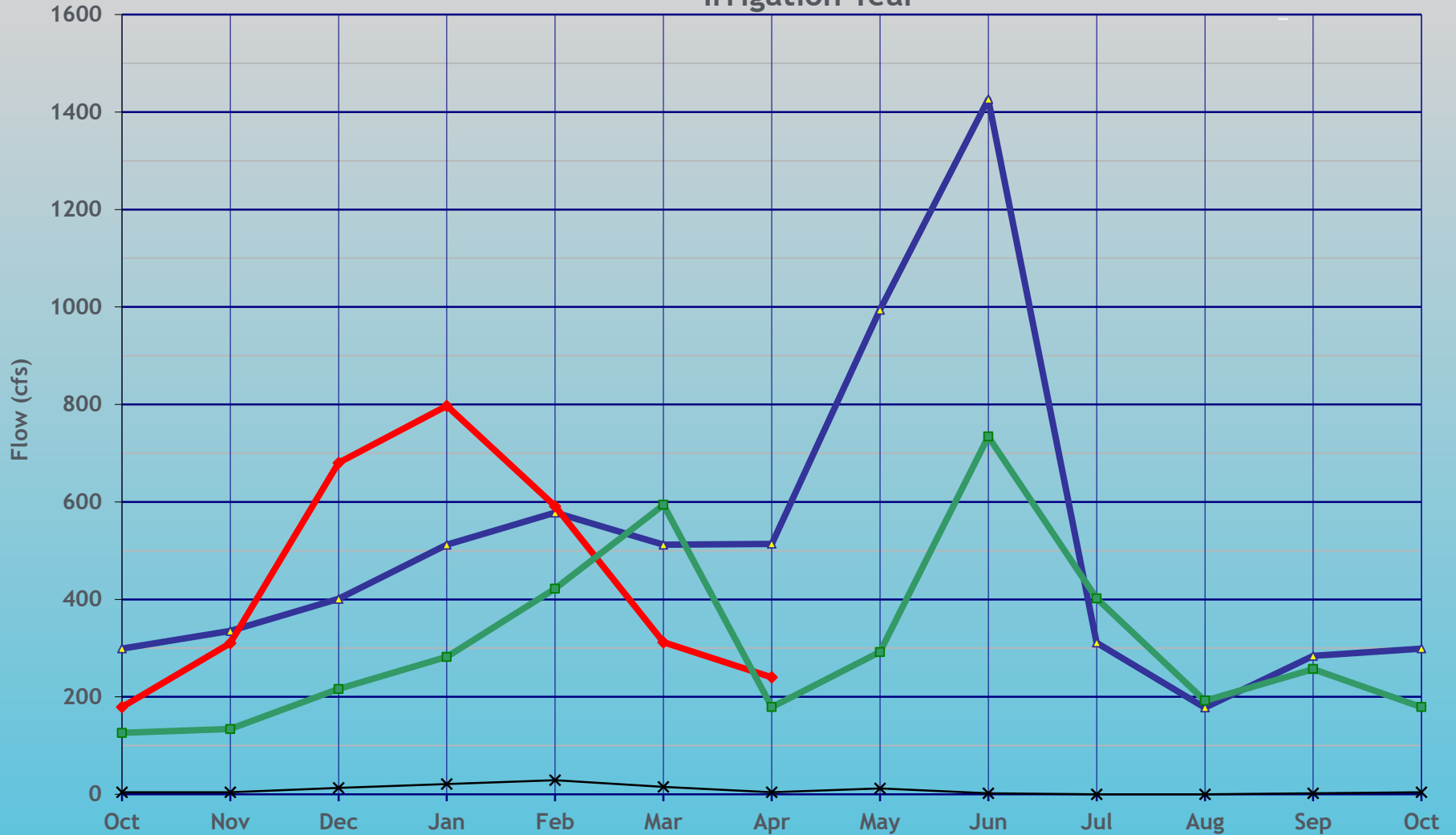


▲ Historic\* Mean Flow    \* Historic\* Min Flow    ◆ 2019-2020 Mean Flow    ■ 2018-2019 Mean Flow

\*1901-2016

# South Platte River at Julesburg

Irrigation Year



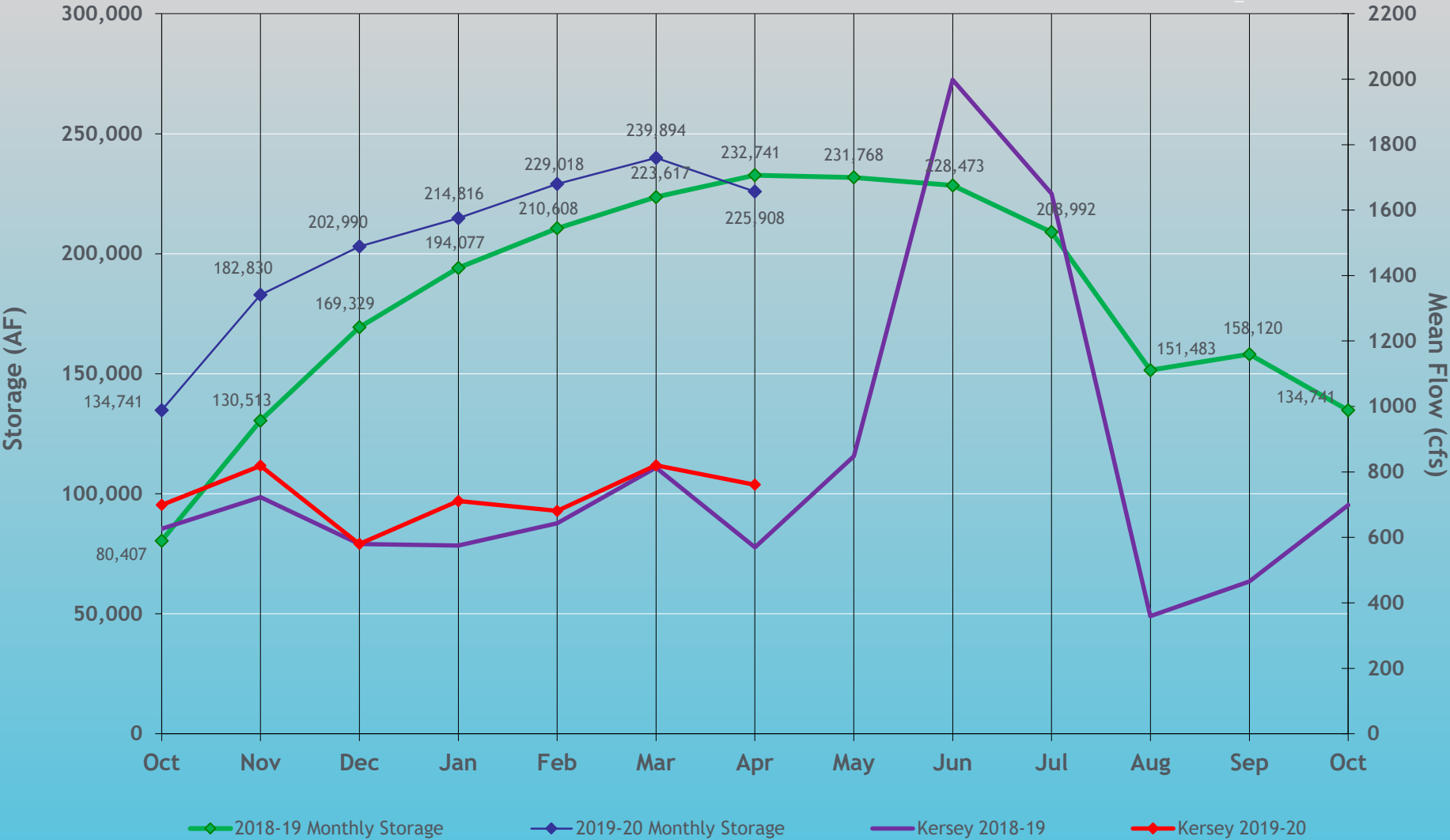
—▲— Historic\* Mean Flow    —\*— Historic\* Min Flow    —◆— 2019-2020 Mean Flow    —■— 2018-2019 Mean Flow  
\*1901-2016





# Reservoir Storage below Kersey

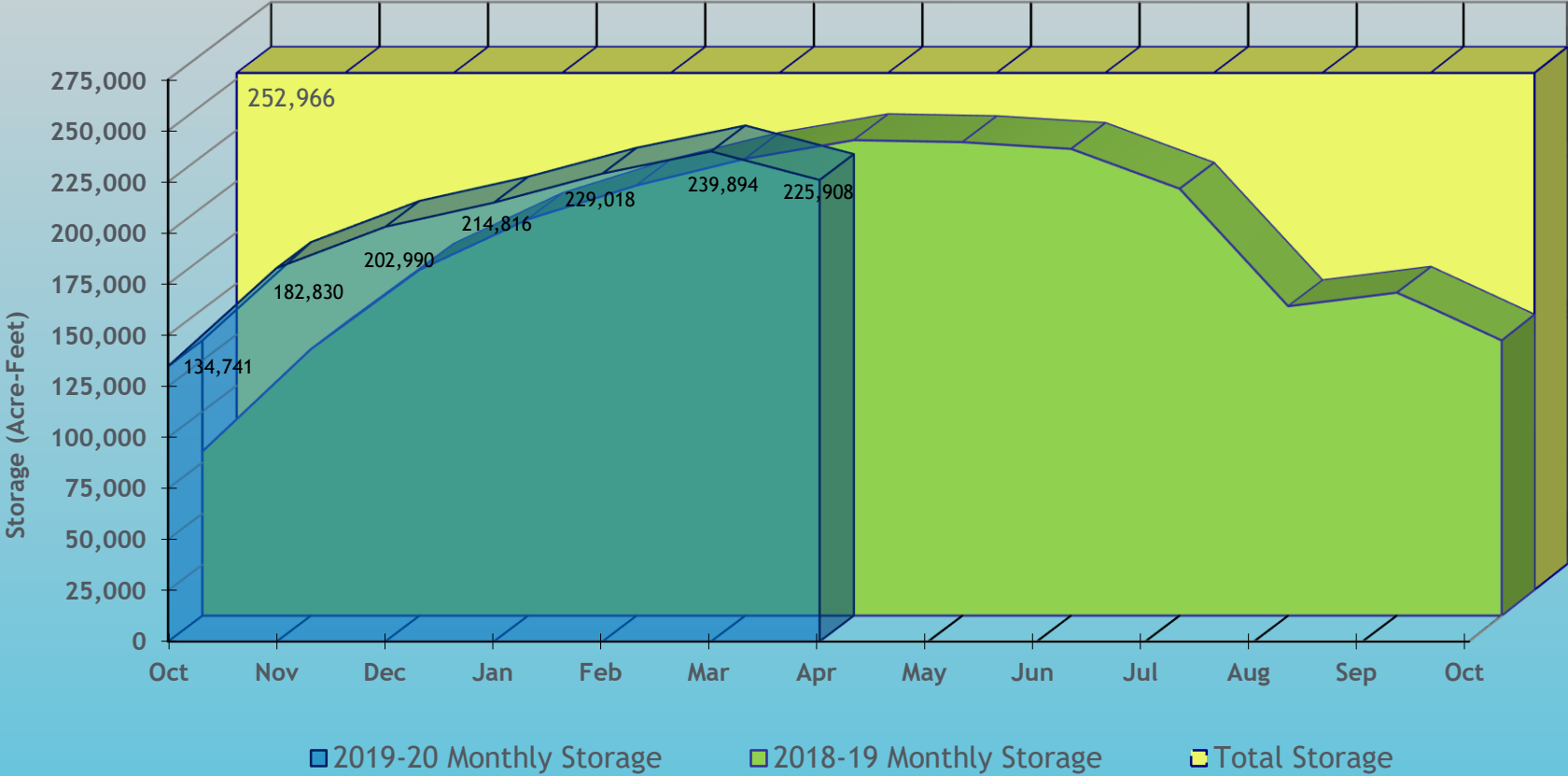
Selected Reservoirs\*



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

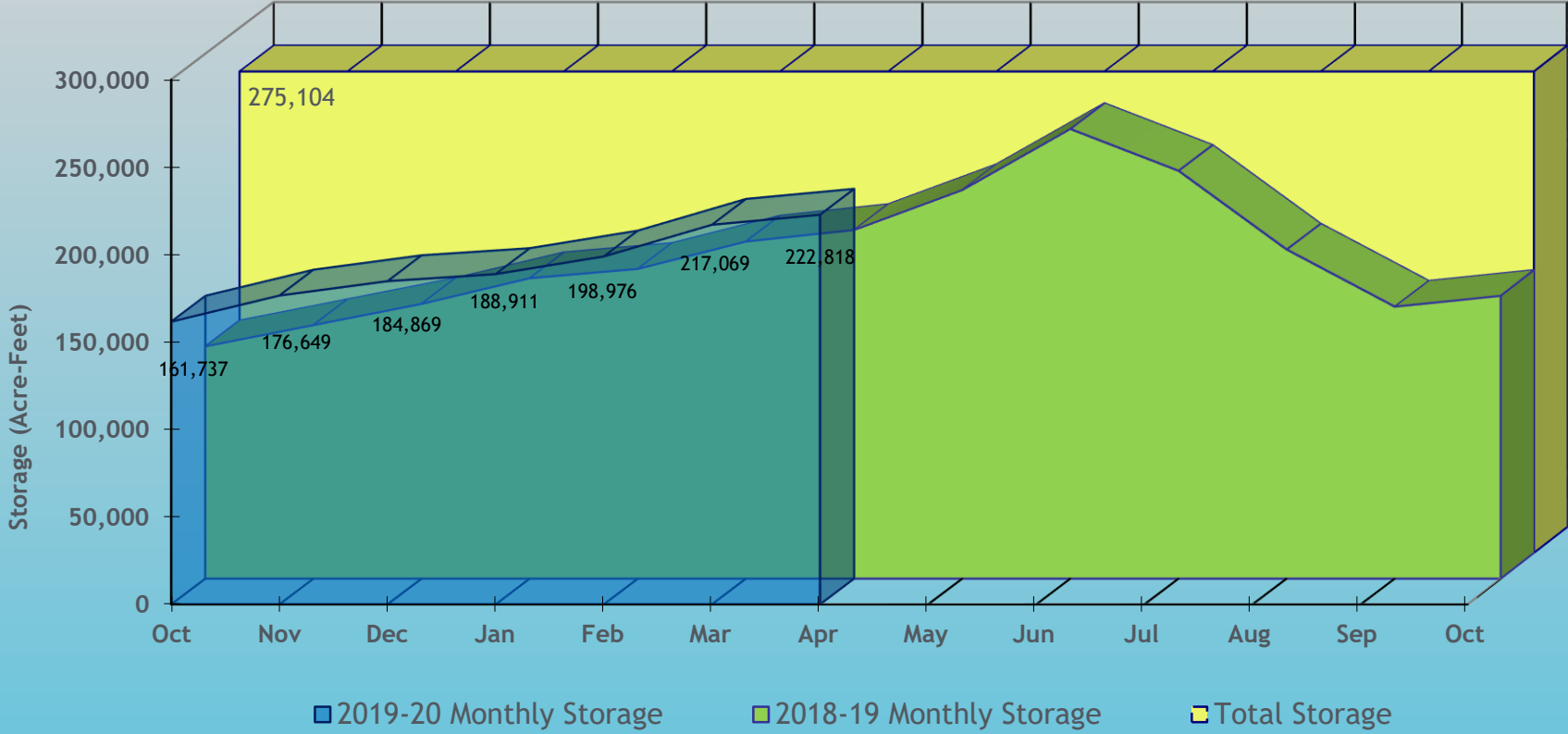


# South Platte Reservoir Storage below Kersey\*



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

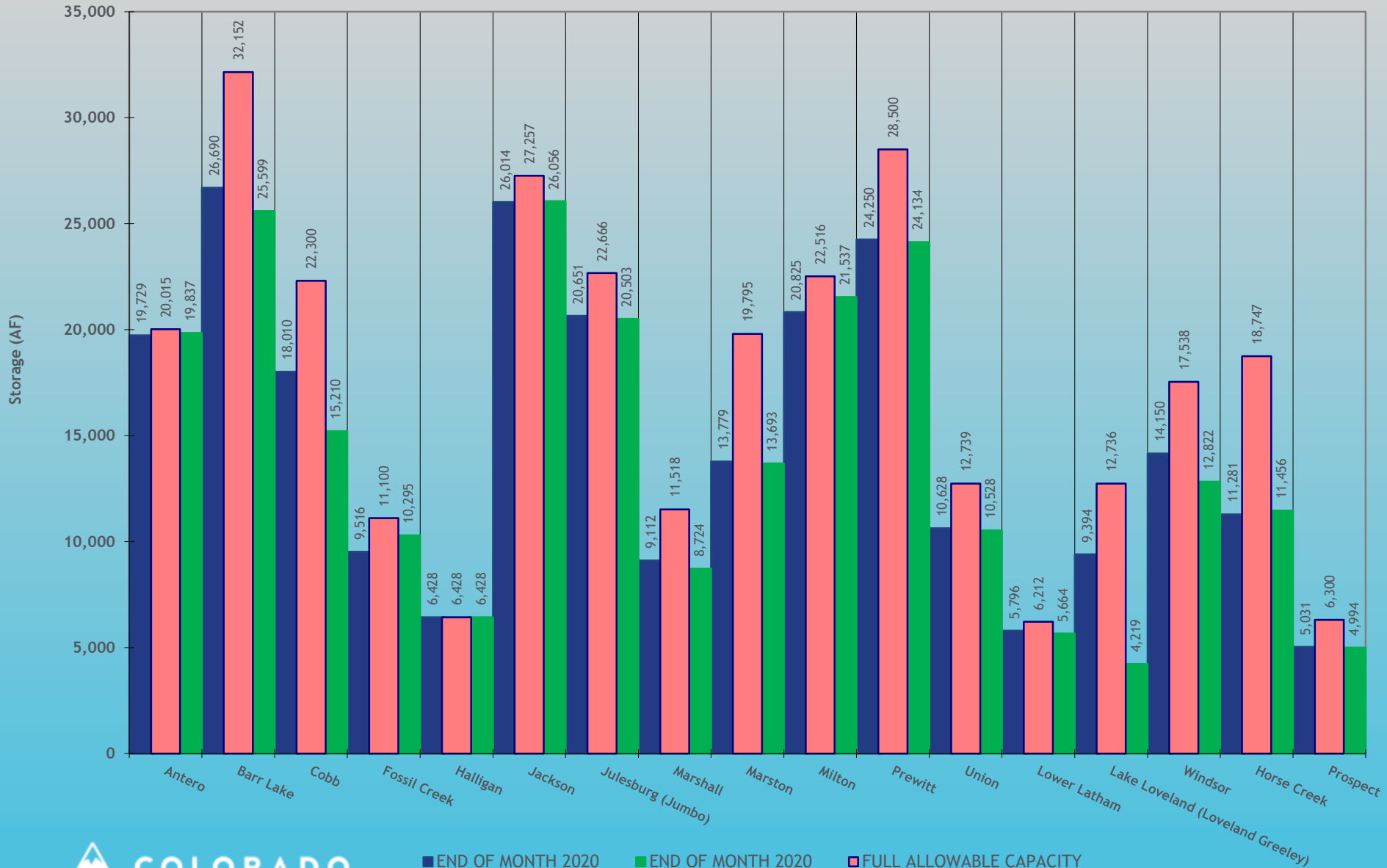
# South Platte Reservoir Storage above Kersey\*



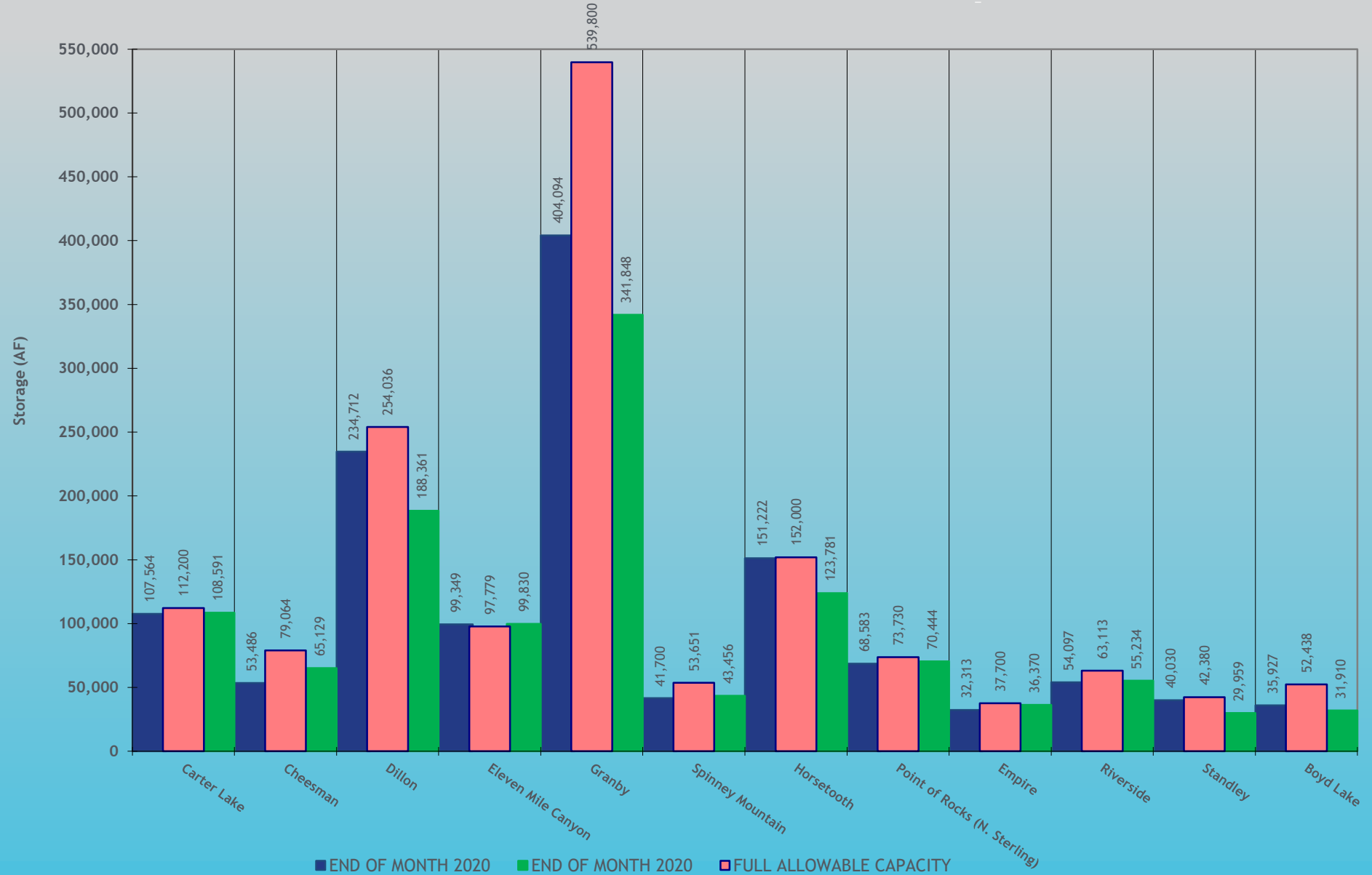
\*Barr, Cobb, Fossil Crk, Halligan, Marshall, Milton, Union, Standley, Lower Latham, Boyd, Loveland, Windsor, Horse Crk, & Prospect



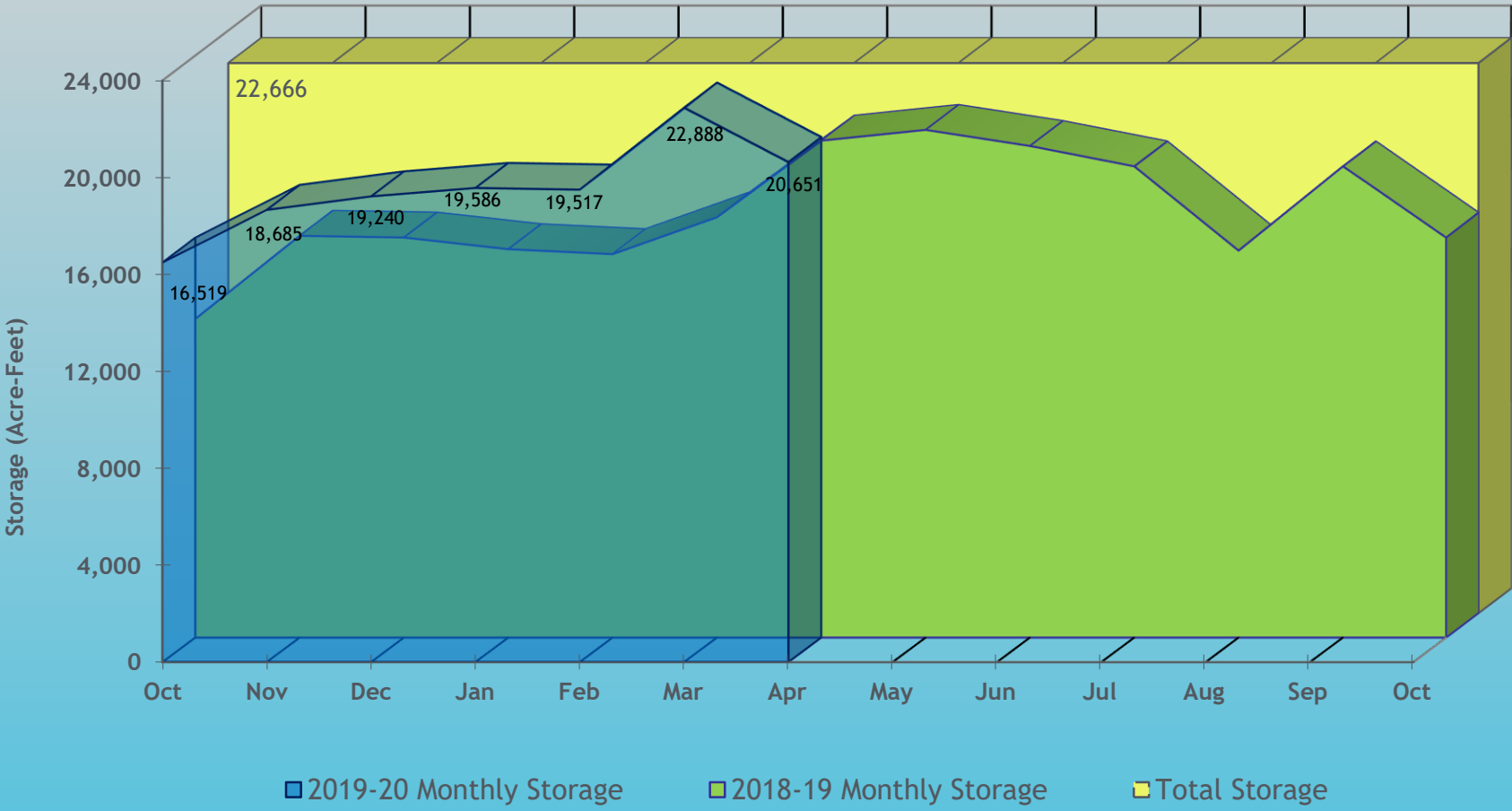
# April Reservoir Change in Storage IY2019 versus IY2020



# April Reservoir Change in Storage IY2019 versus IY2020

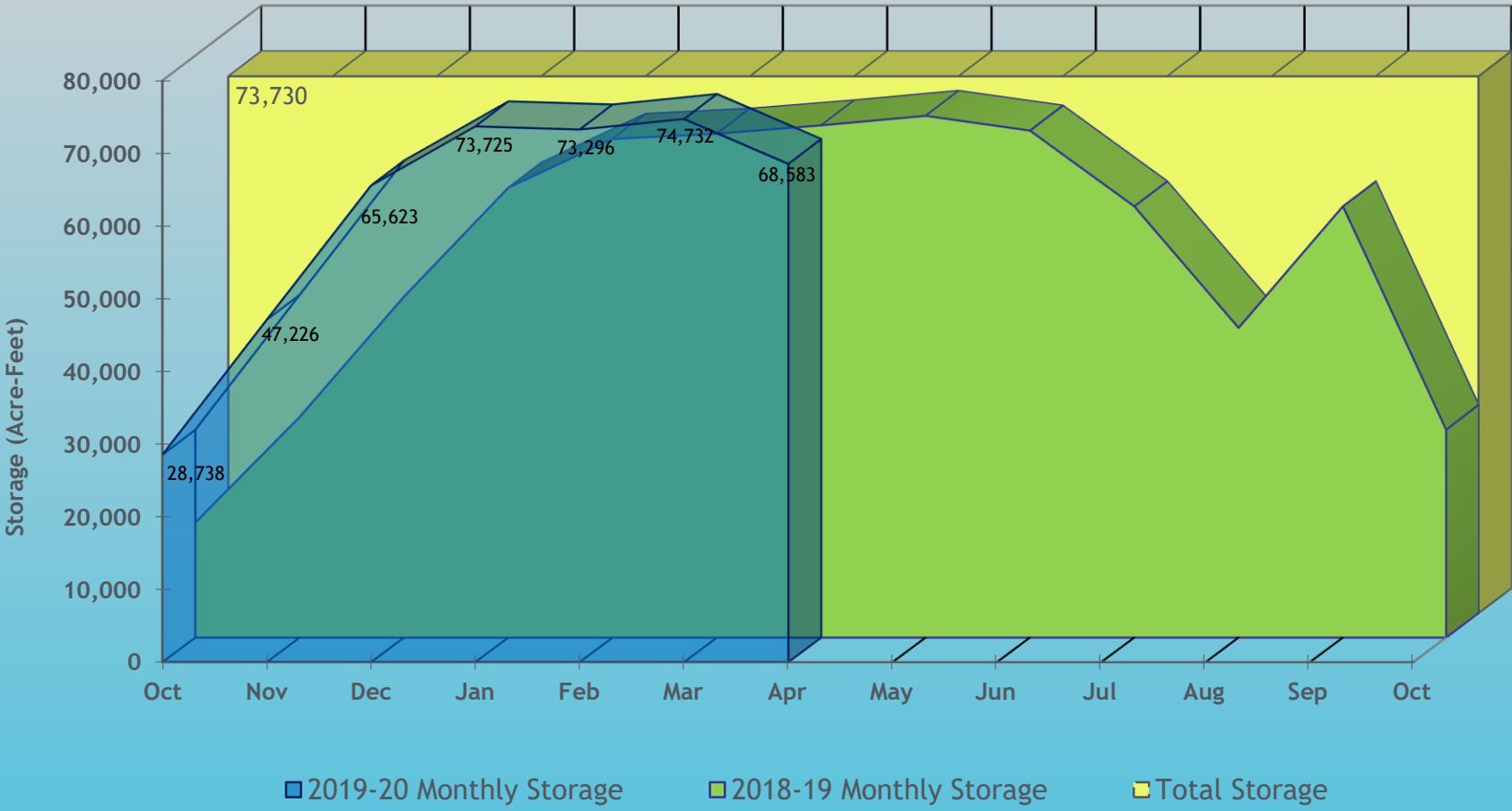


# Julesburg Reservoir (District 64 - Agricultural)

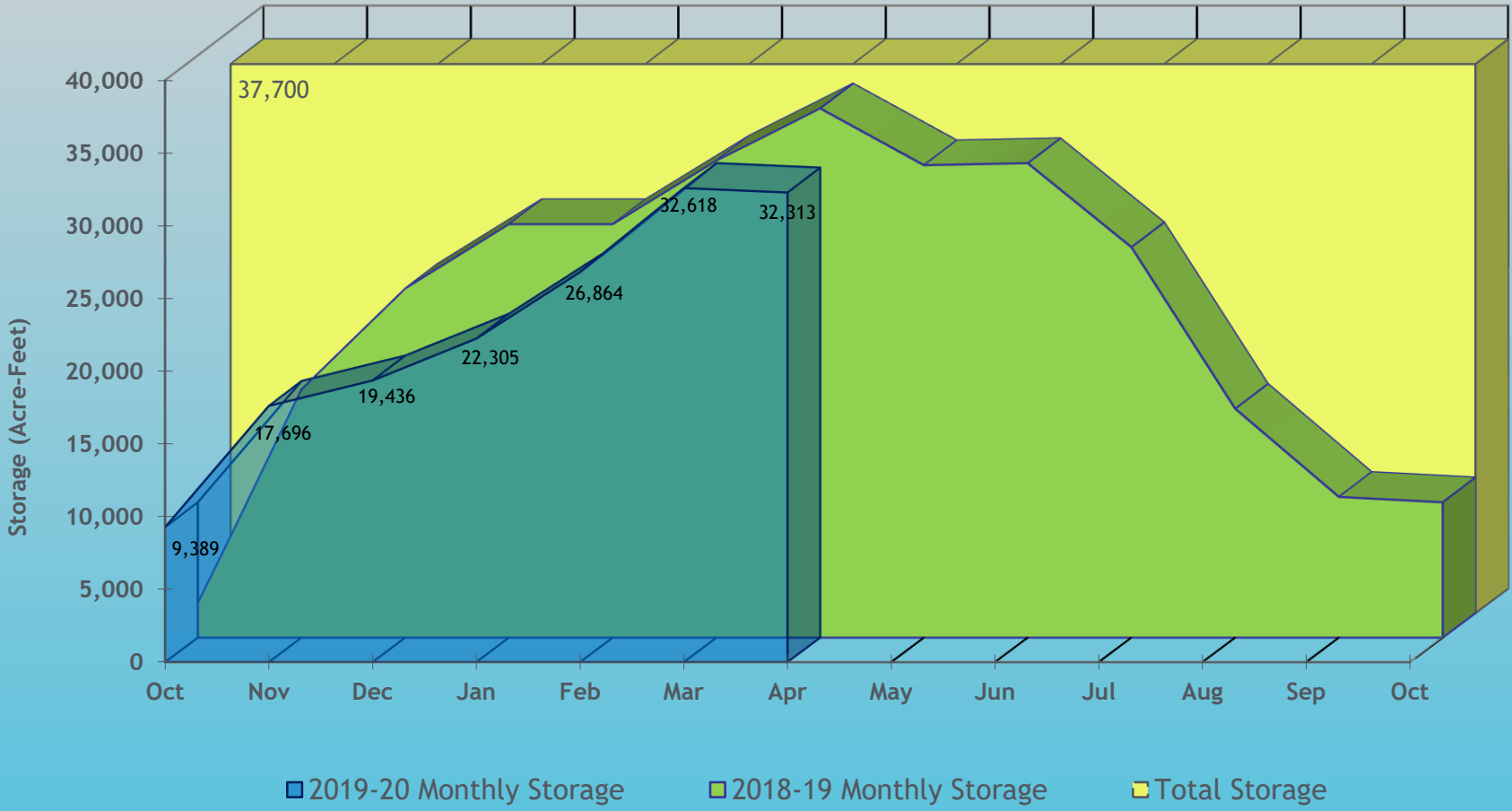




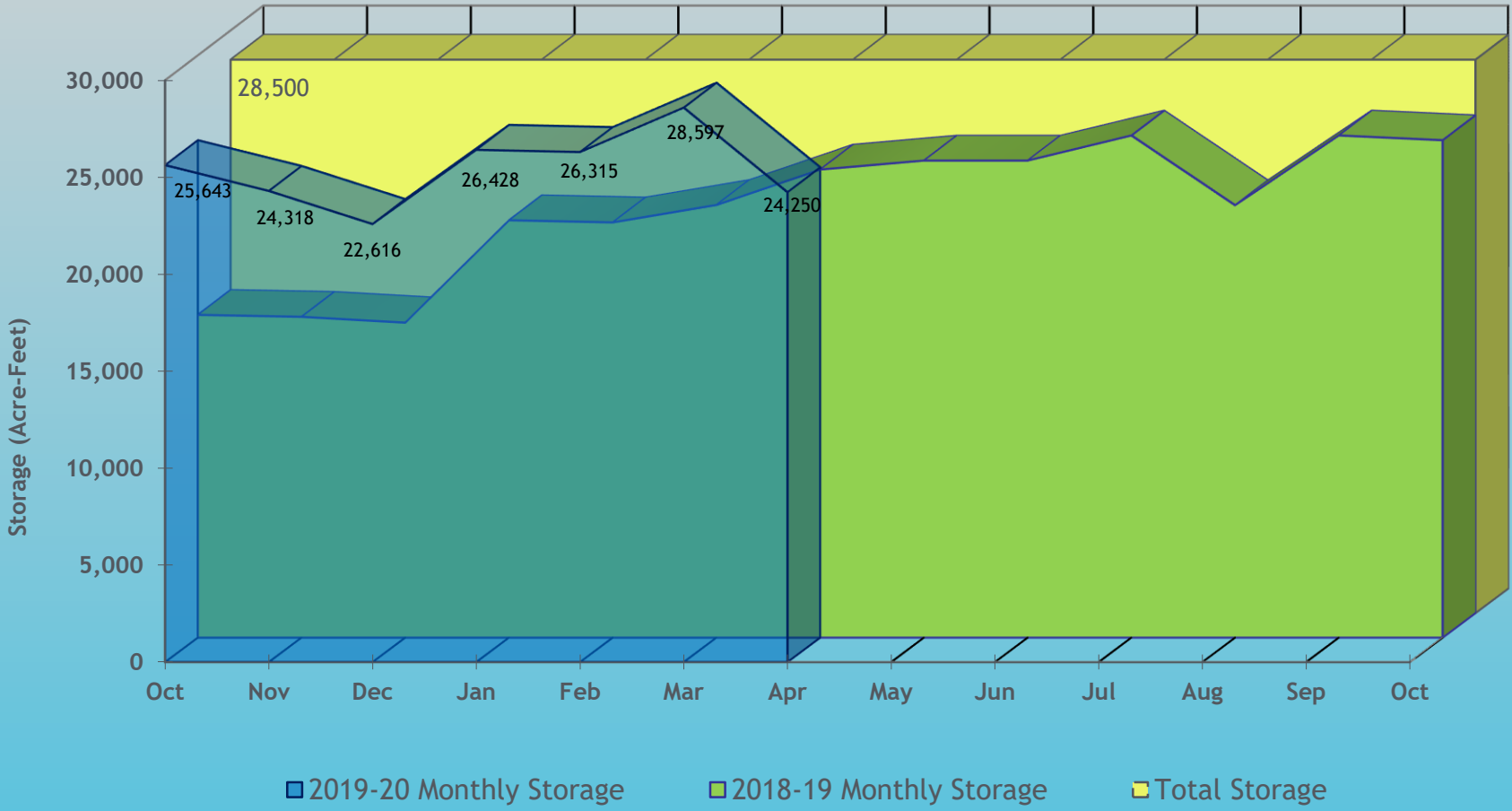
# North Sterling Reservoir (District 64 - Agricultural)



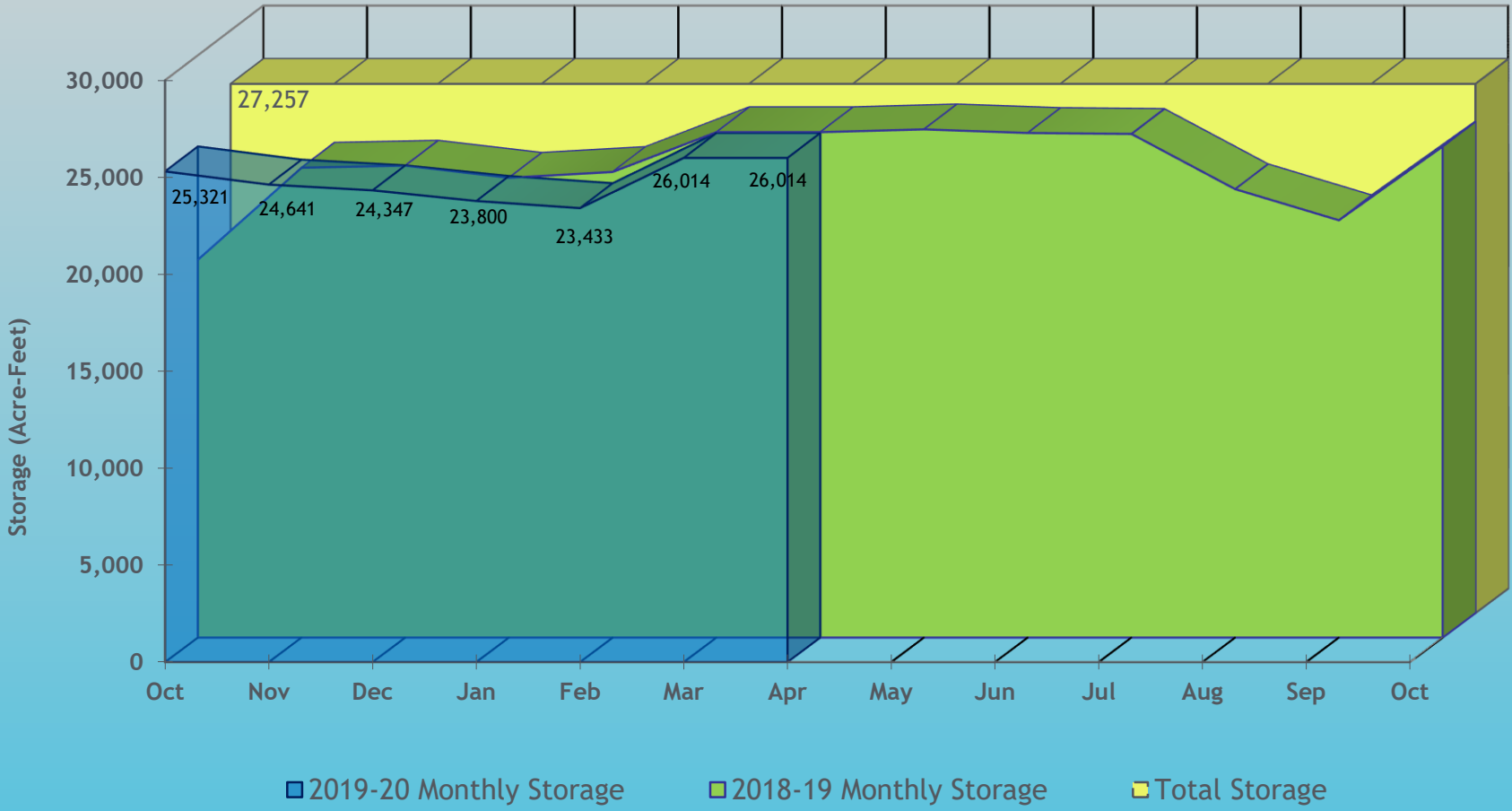
# Empire Reservoir (District 1 - Agricultural)



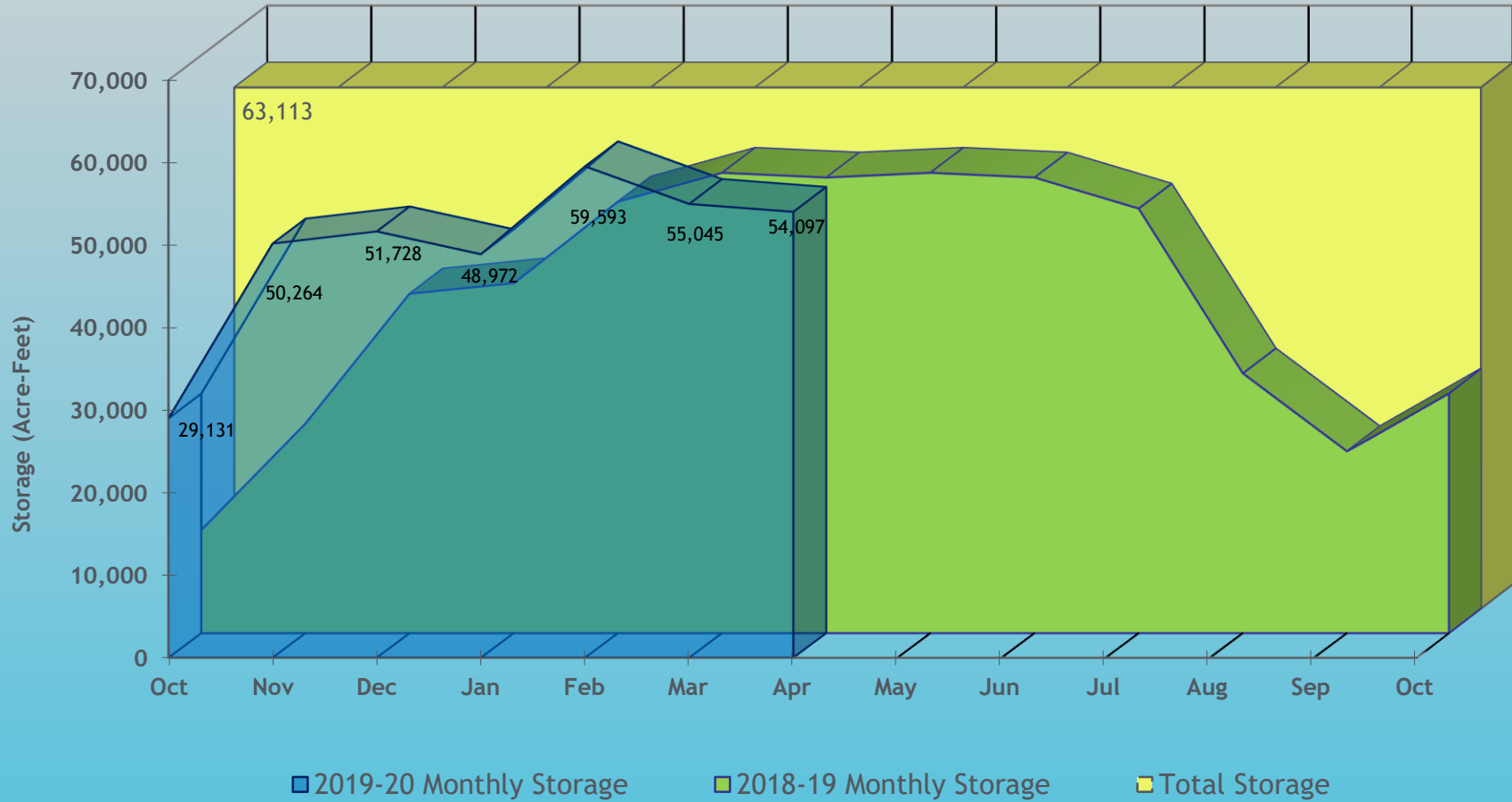
# Prewitt Reservoir (District 64 - Agricultural)



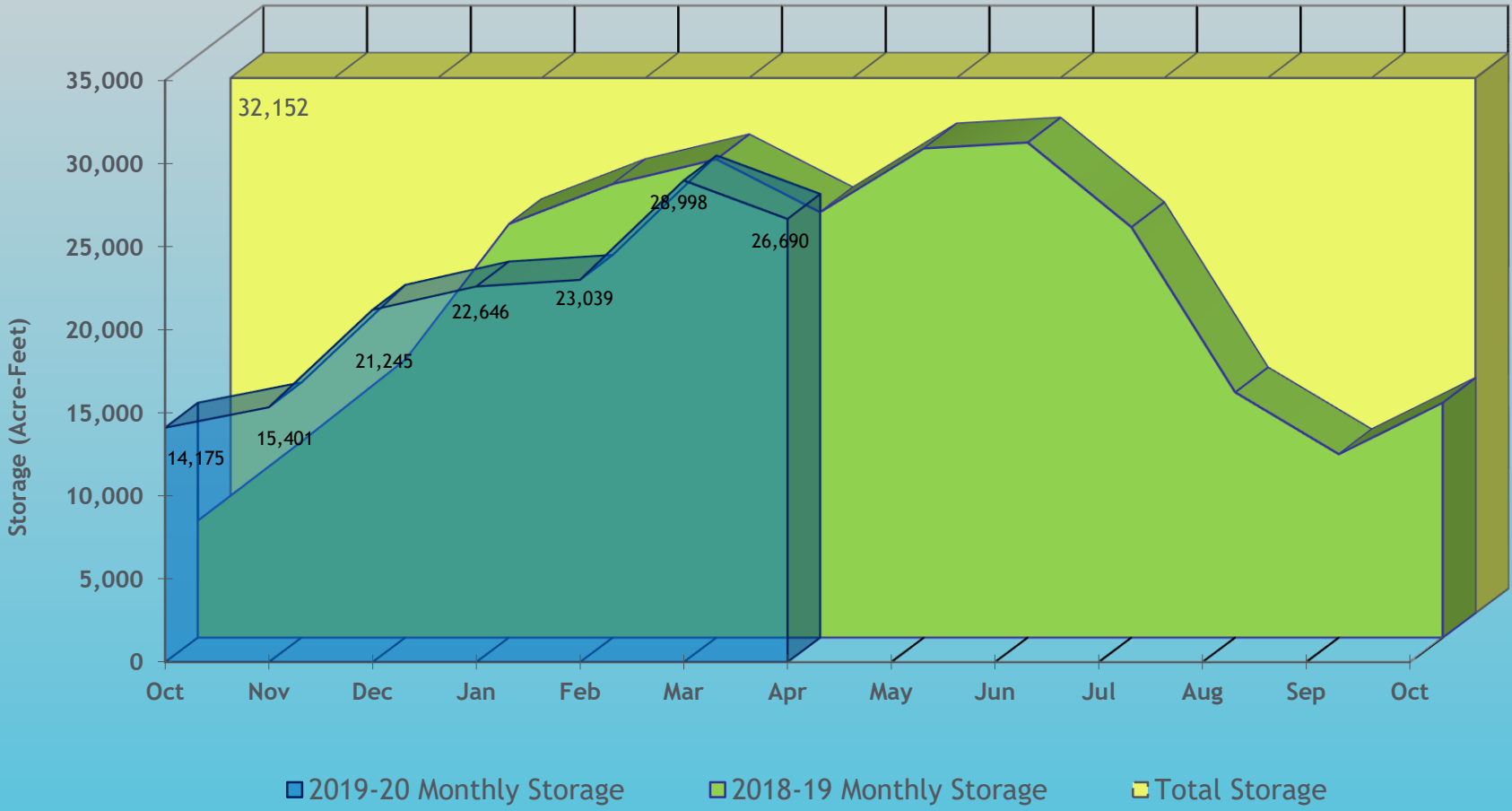
# Jackson Reservoir (District 1 - Agricultural)



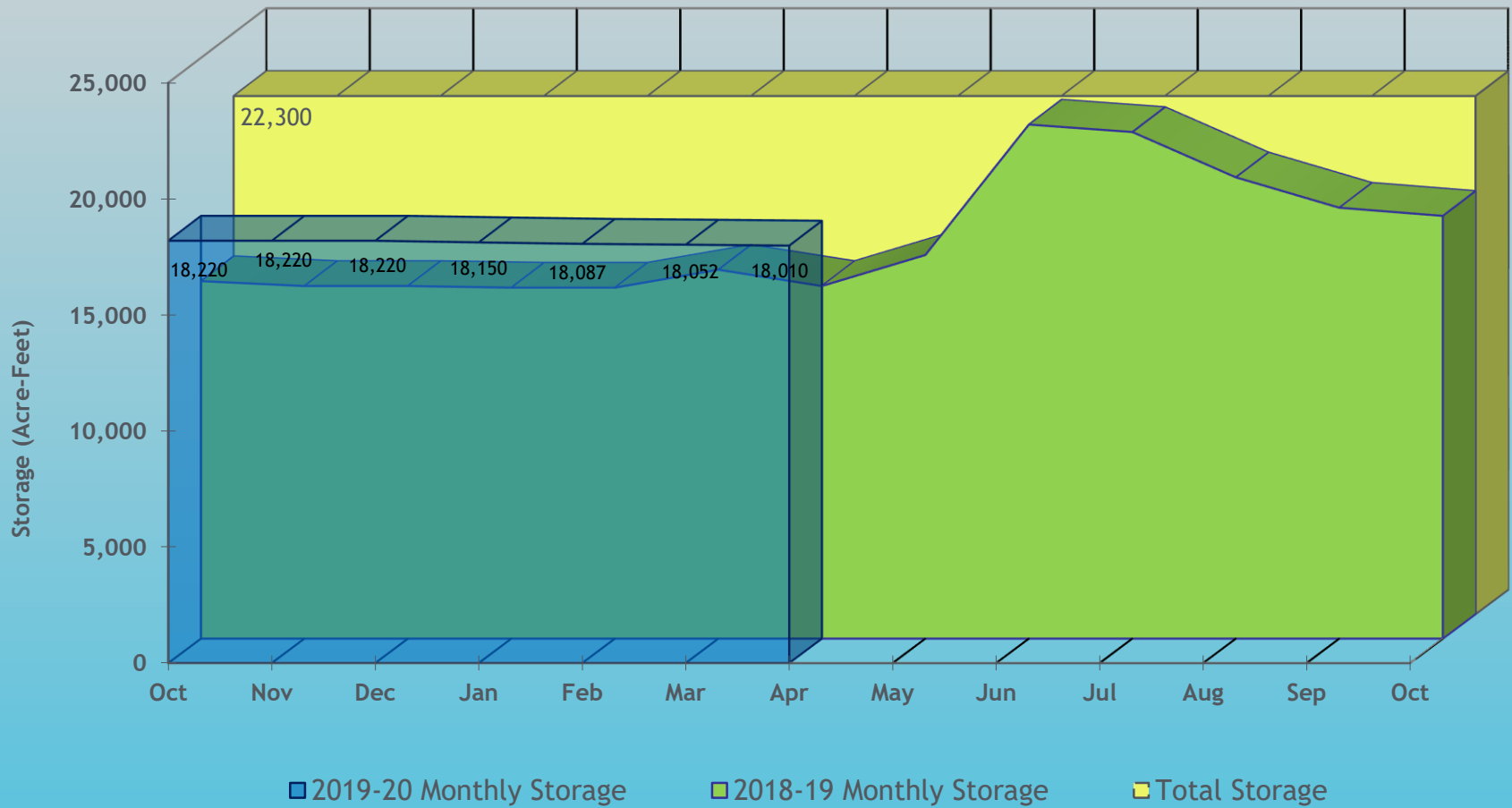
# Riverside Reservoir (District 1 - Agricultural)



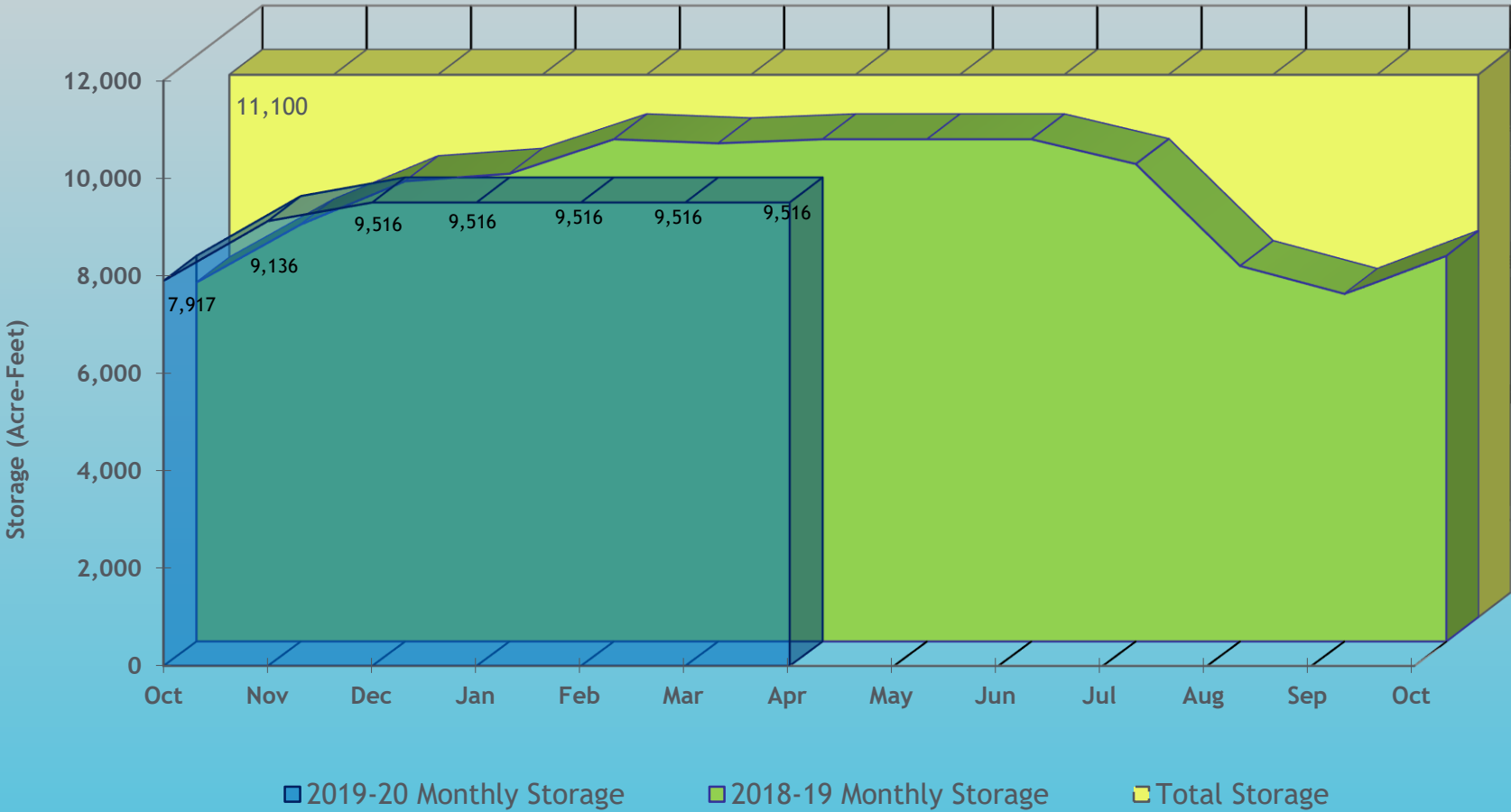
# Barr Reservoir (District 2 - Agricultural)



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

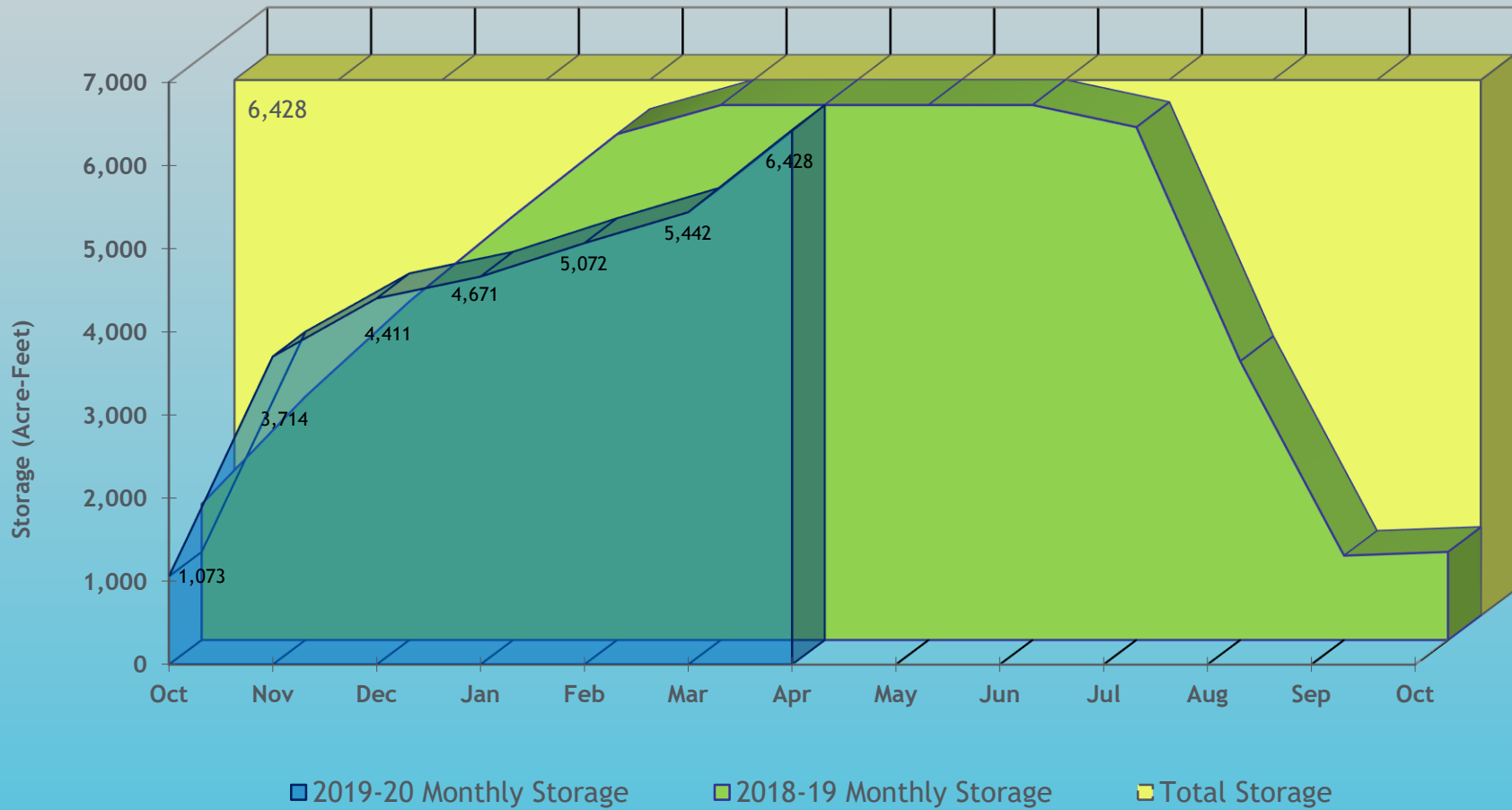


# Fossil Creek Reservoir (District 3, Poudre River - Agricultural)

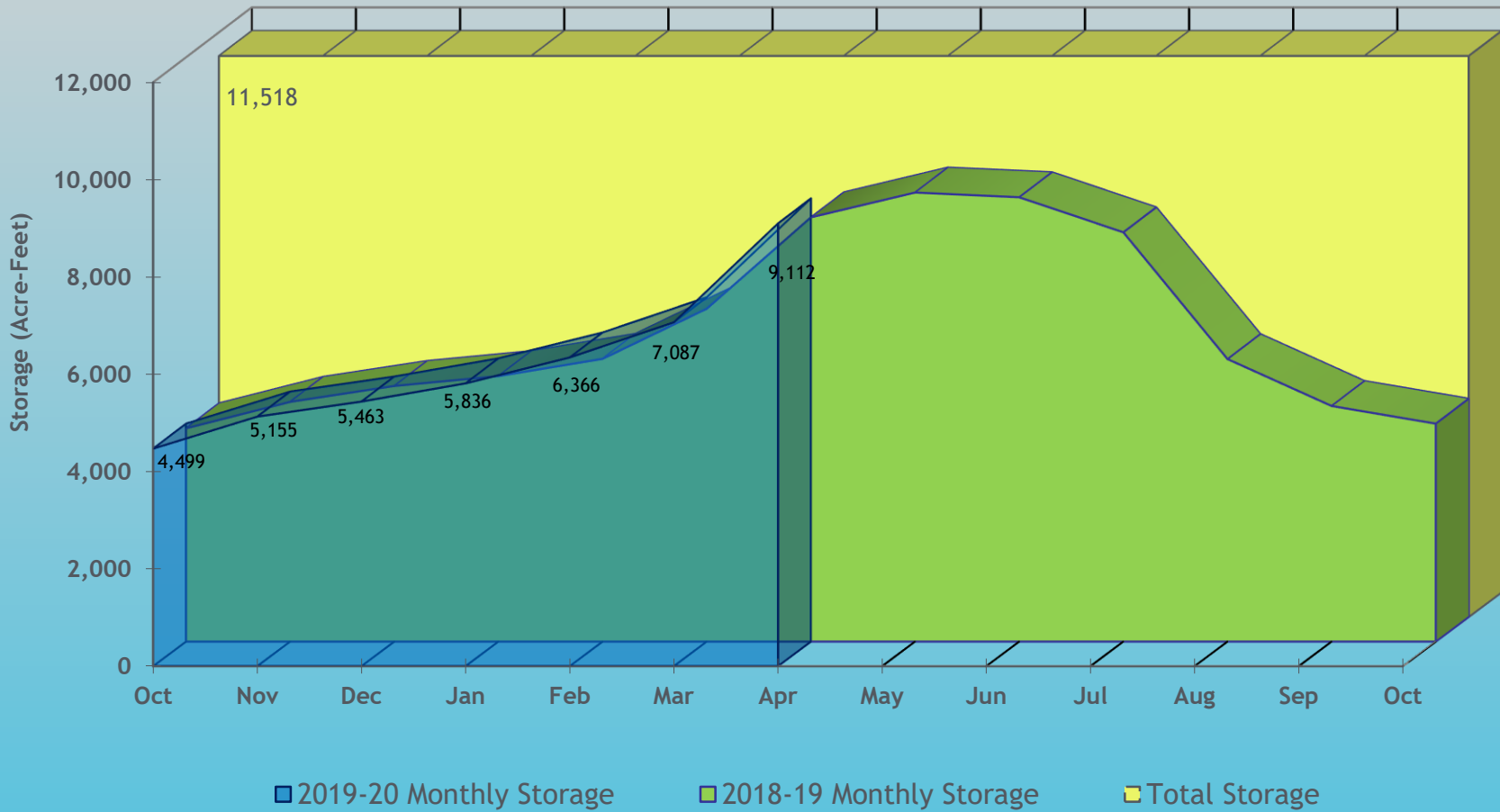




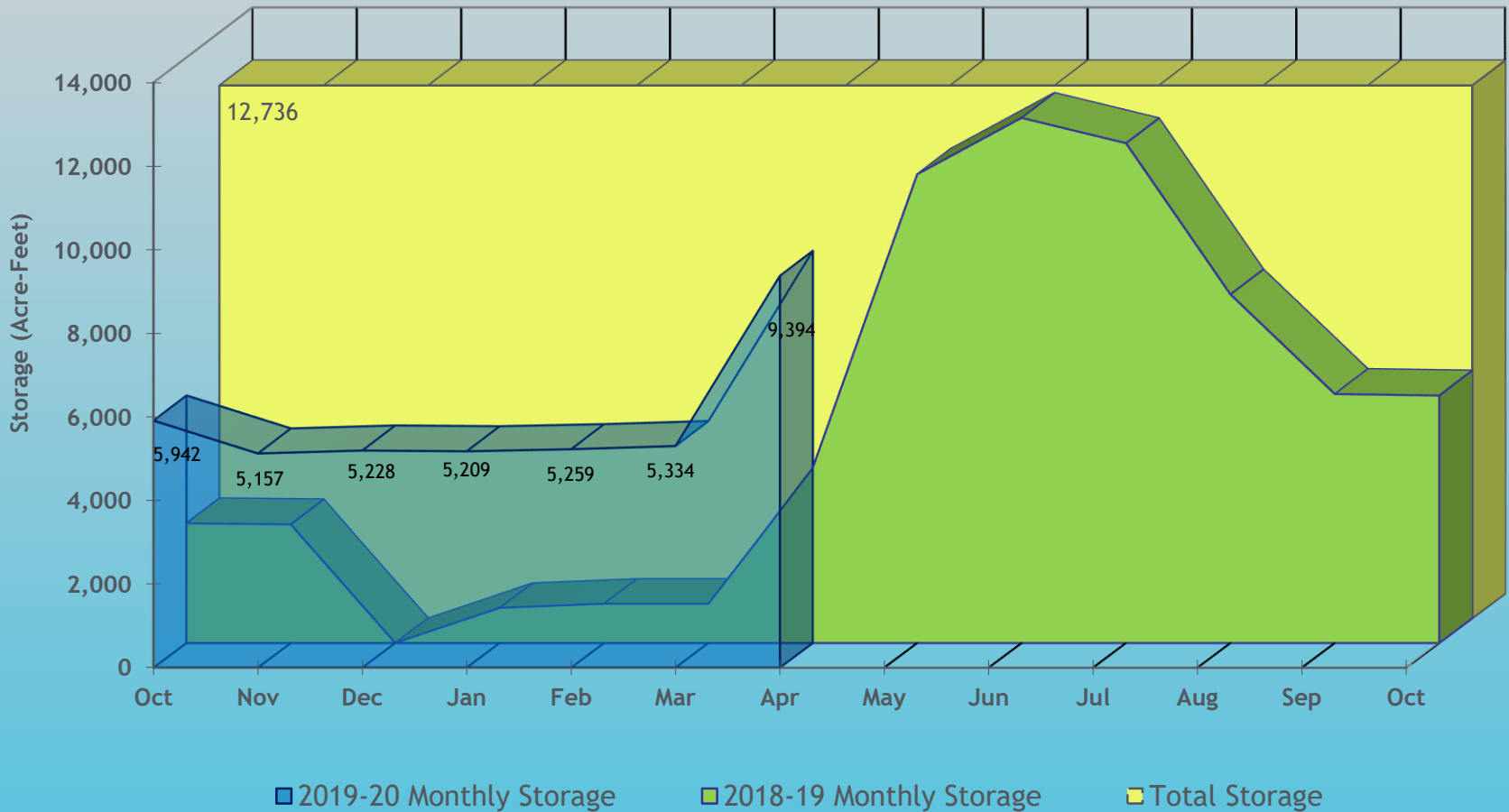
# Halligan Reservoir (District 3, Poudre River - Agricultural)



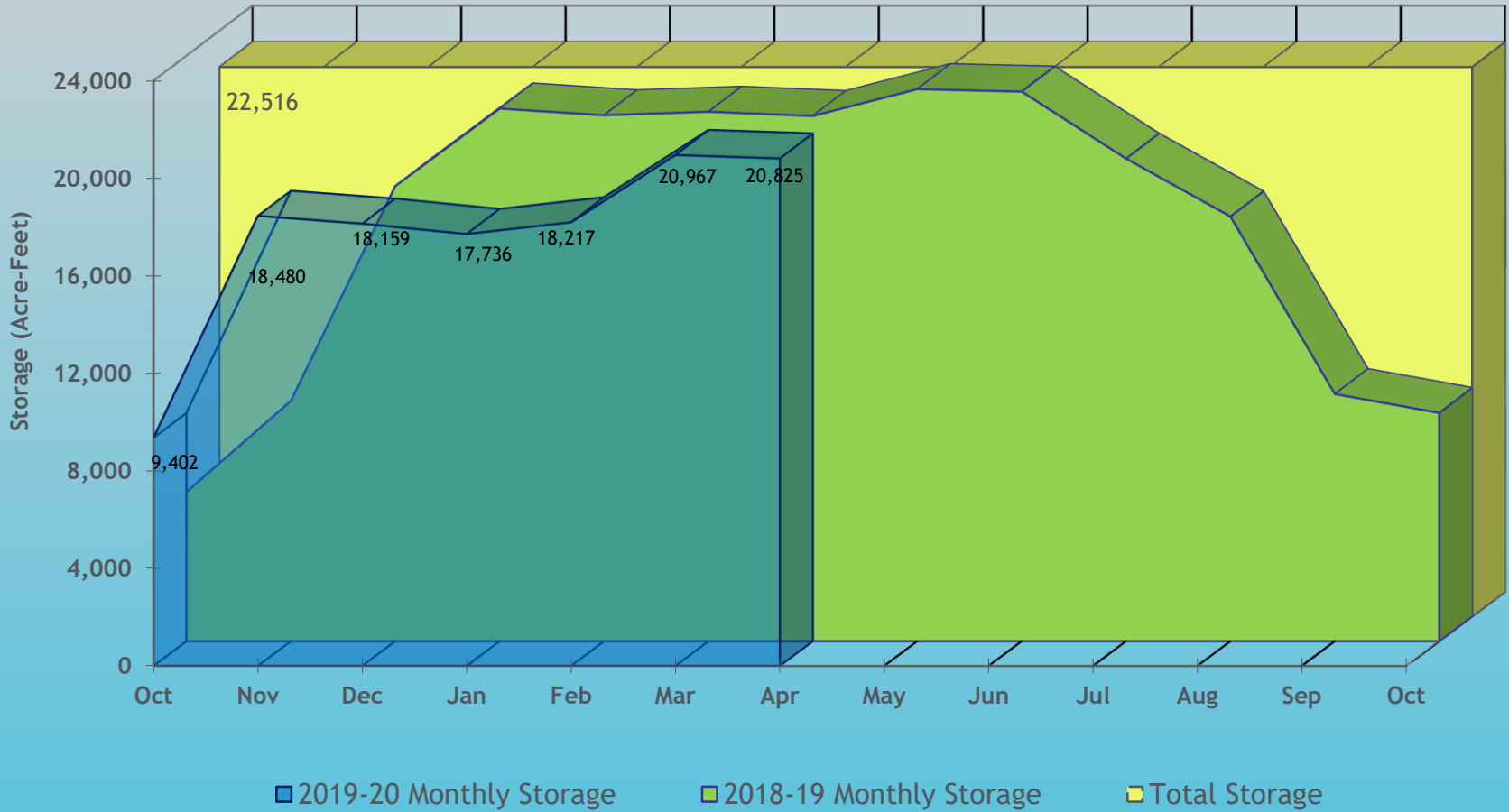
# Marshall Lake (District 6, Boulder Creek - Agricultural)



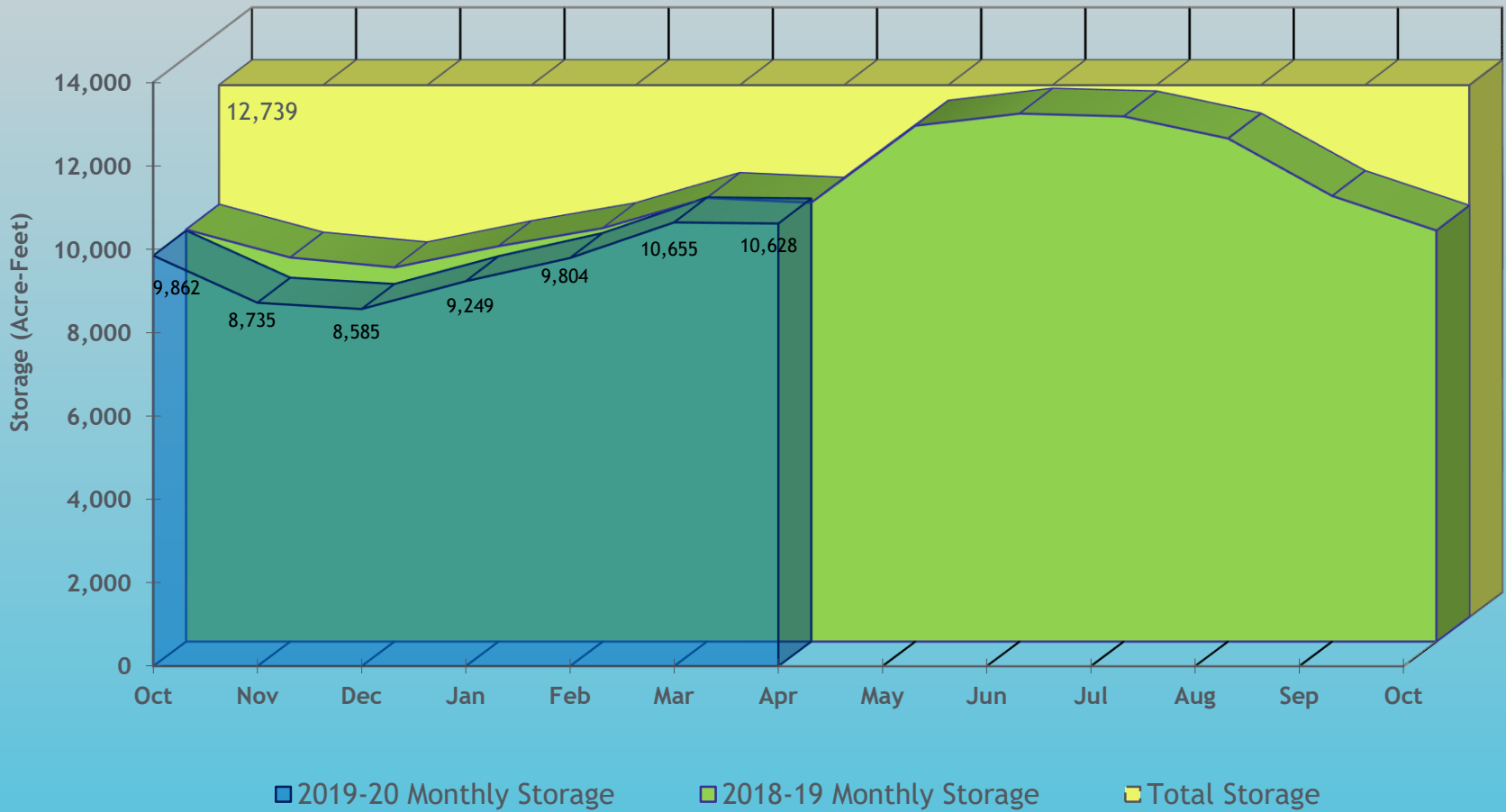
# Loveland Greeley Reservoir (District 4, Big Thompson River - Agricultural)



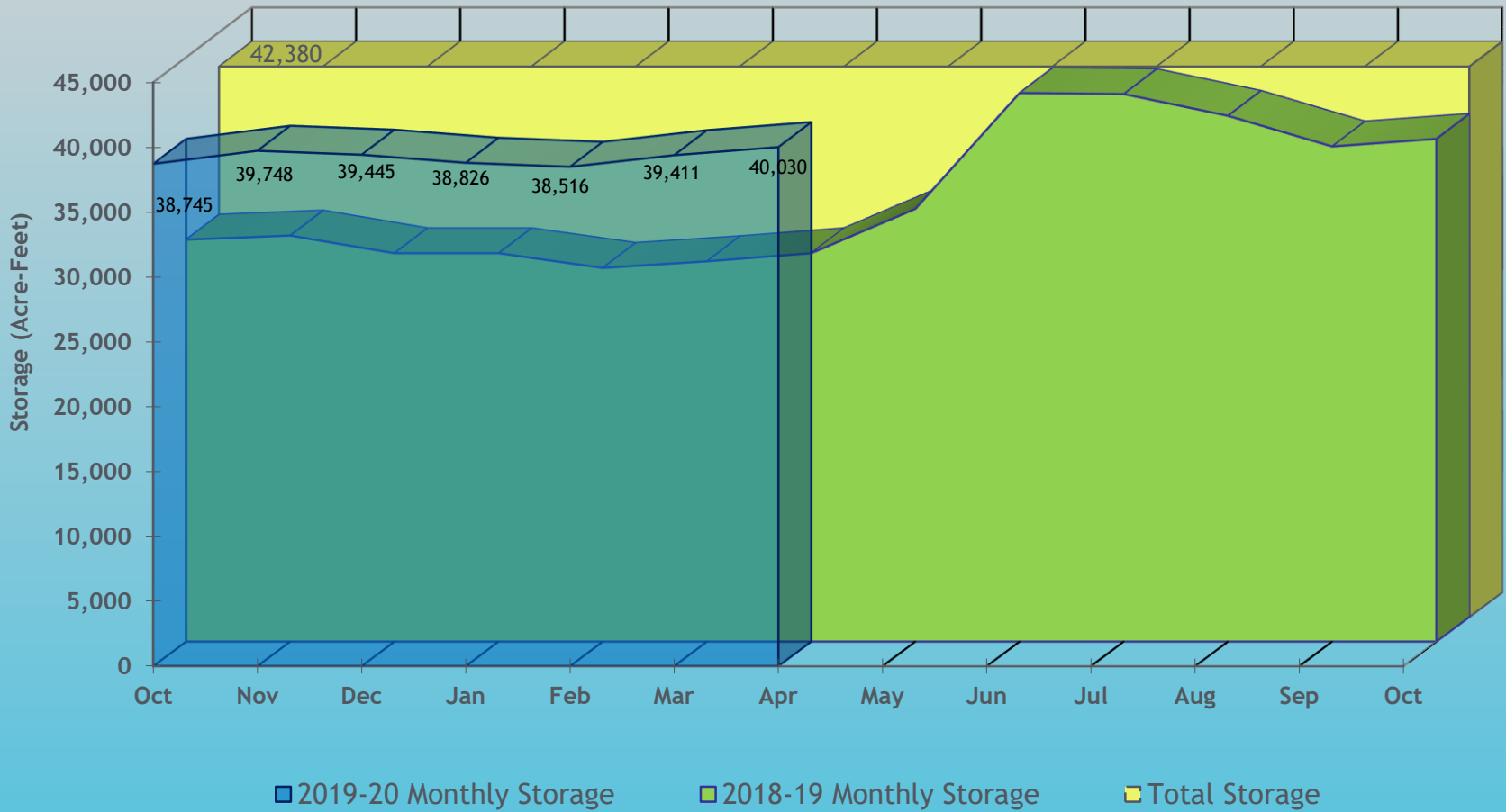
# Milton Reservoir (District 2 - Agricultural)



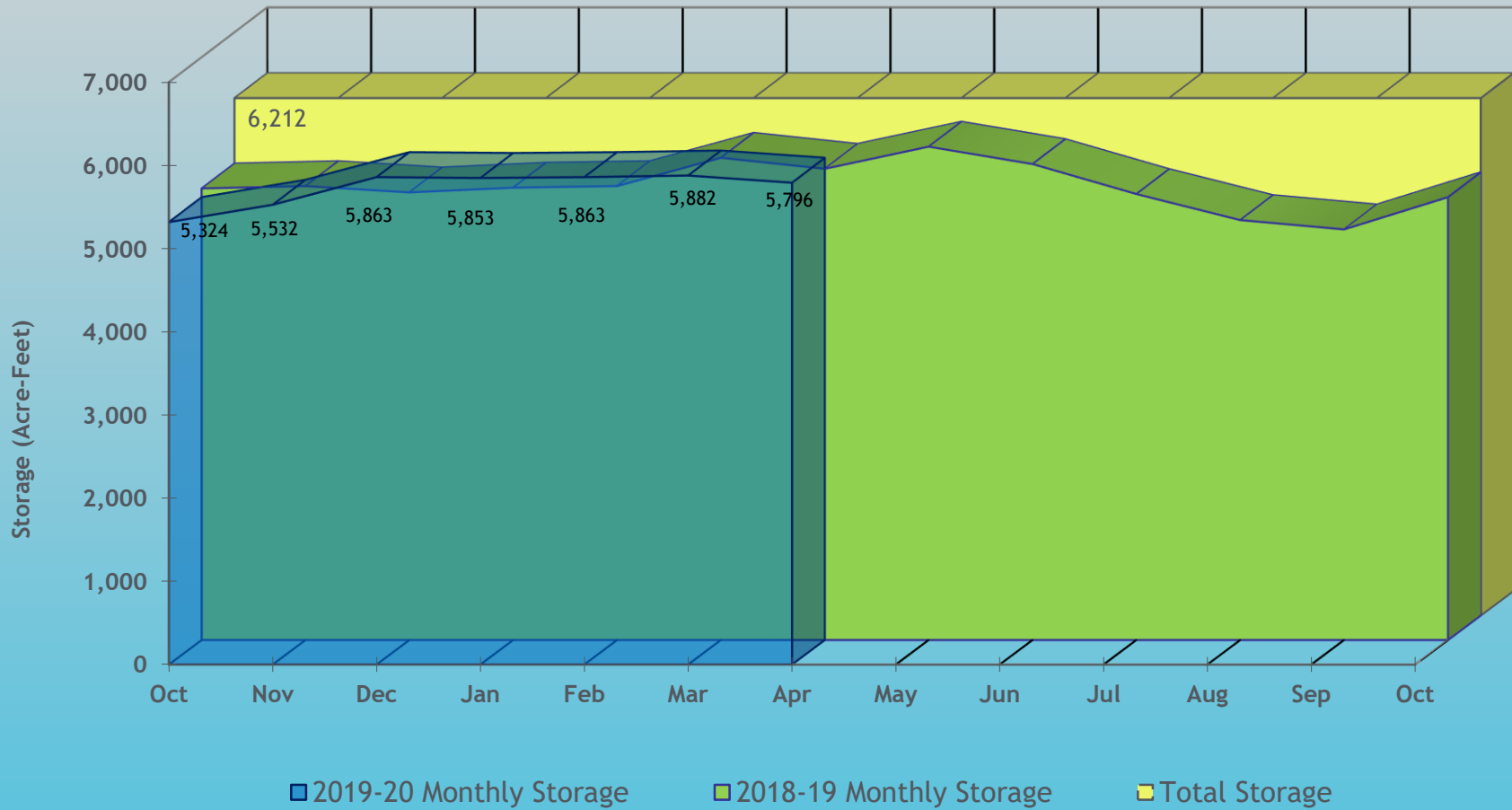
# Union Reservoir (District 5, St. Vrain Creek - Agricultural)



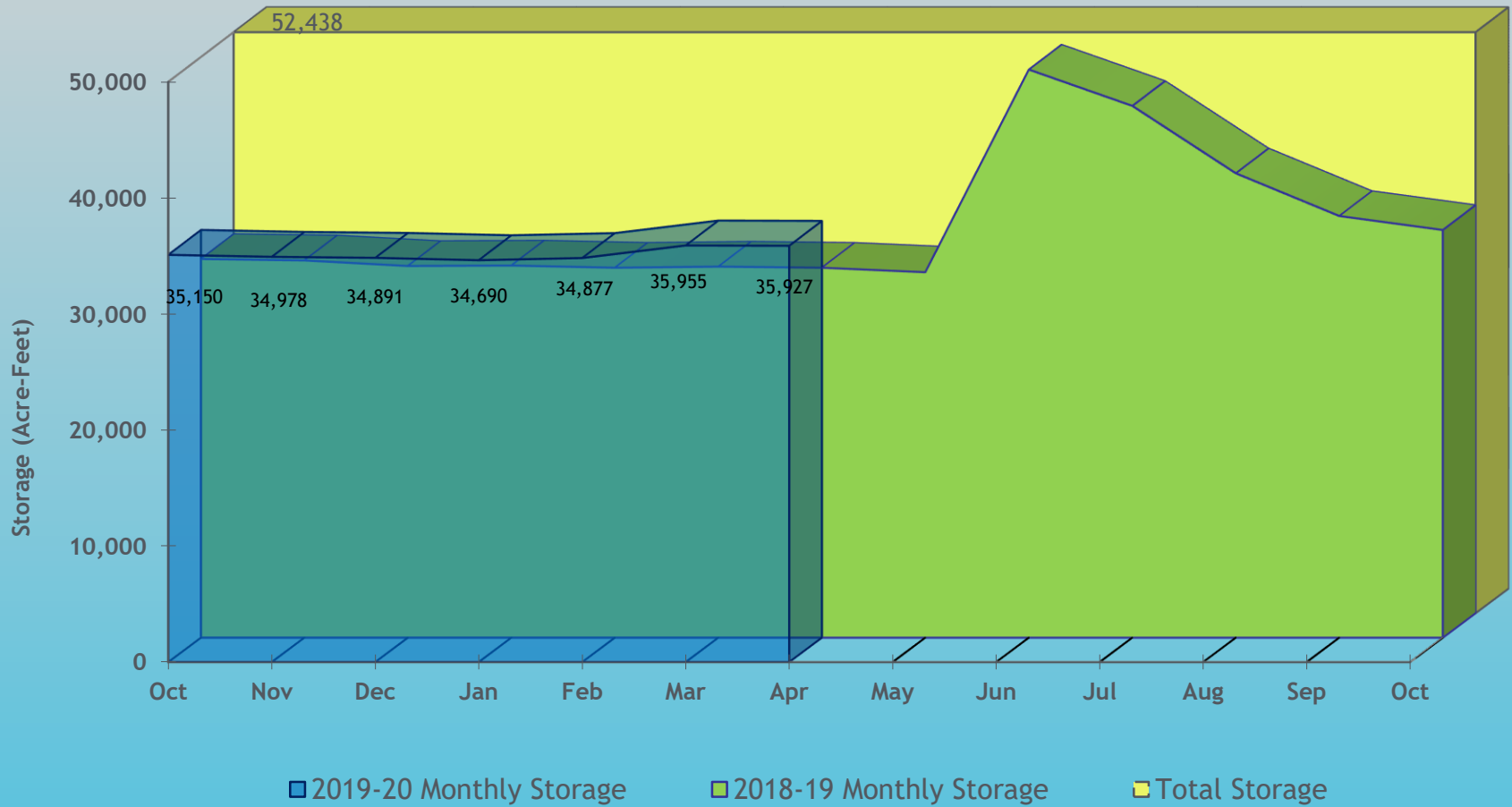
# Standley Lake (Agricultural)



# Lower Latham Reservoir (District 2 - Agricultural)

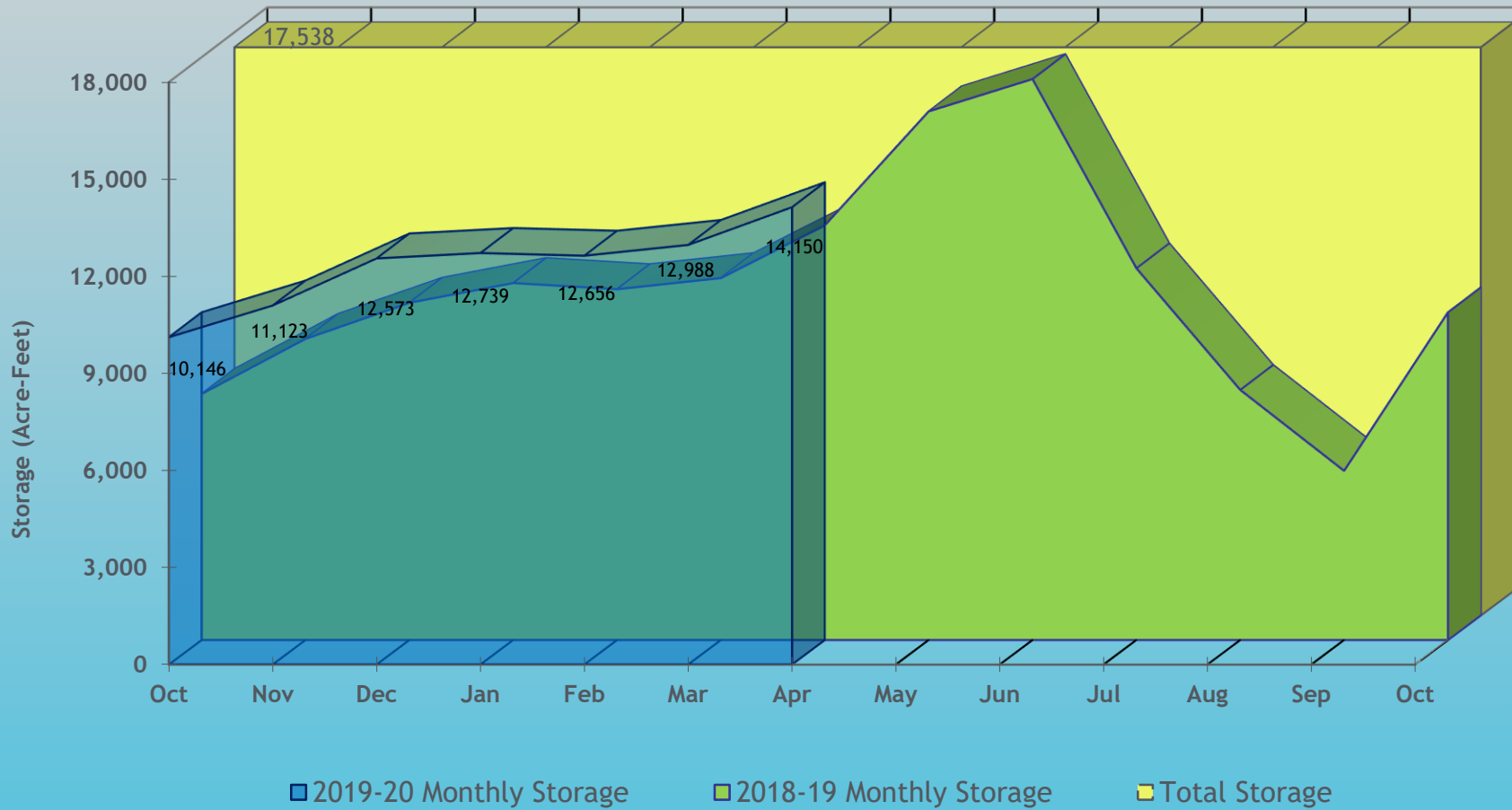


# Boyd Lake (District 4, Big Thompson River - Agricultural)

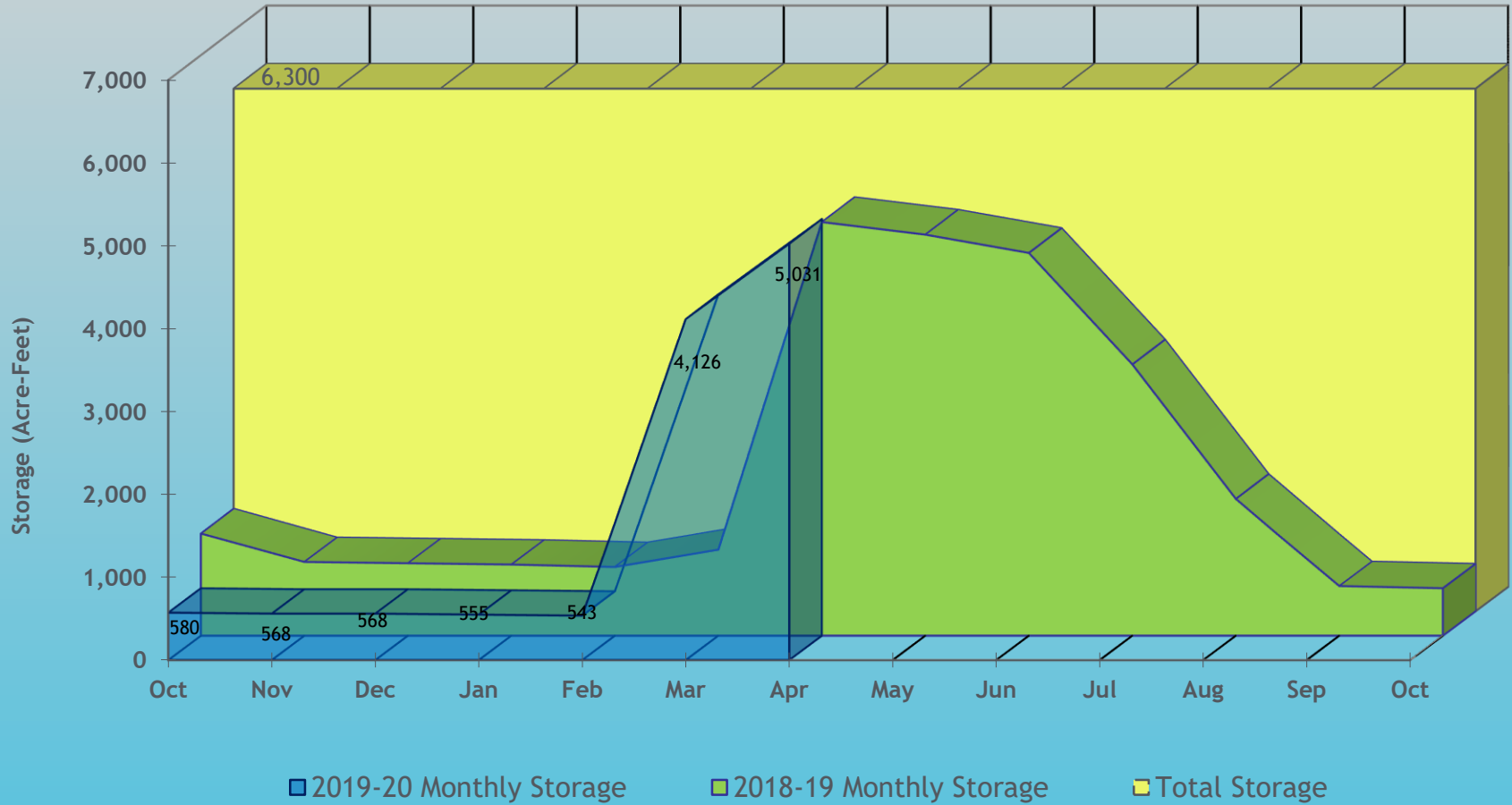




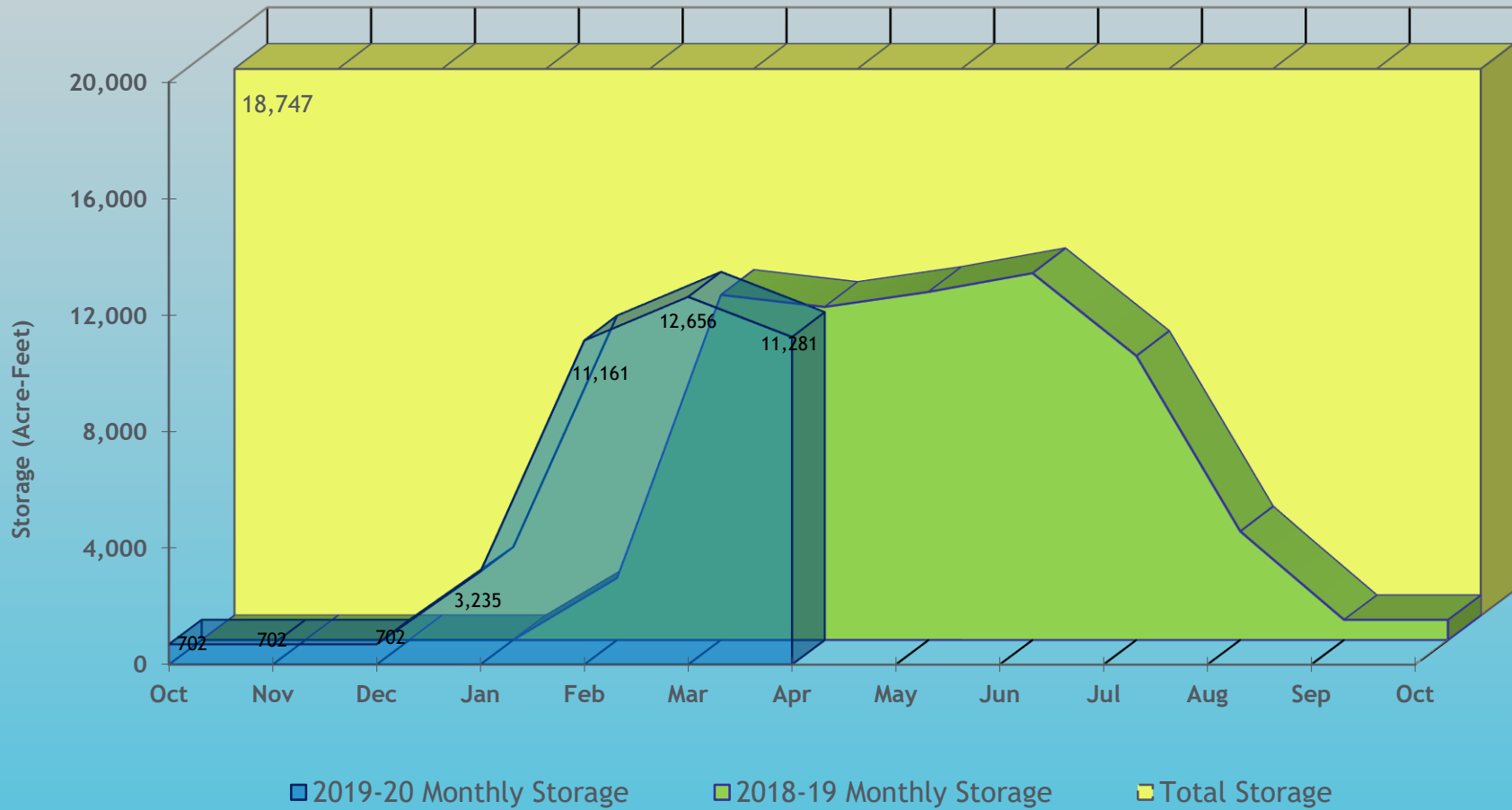
# Windsor Reservoir (District 3, Poudre River - Agricultural)



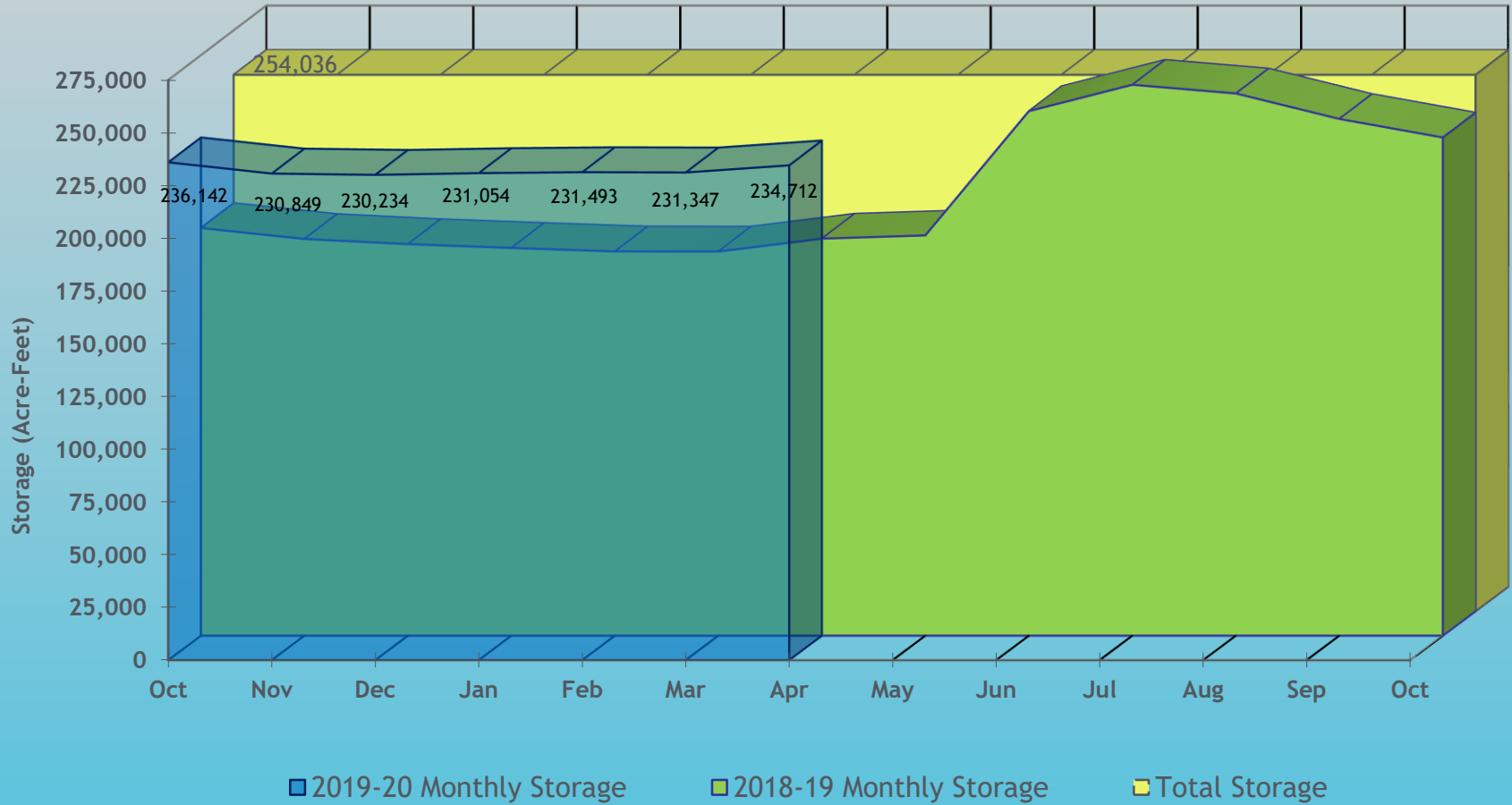
# Prospect Reservoir (District 1 - Agricultural)



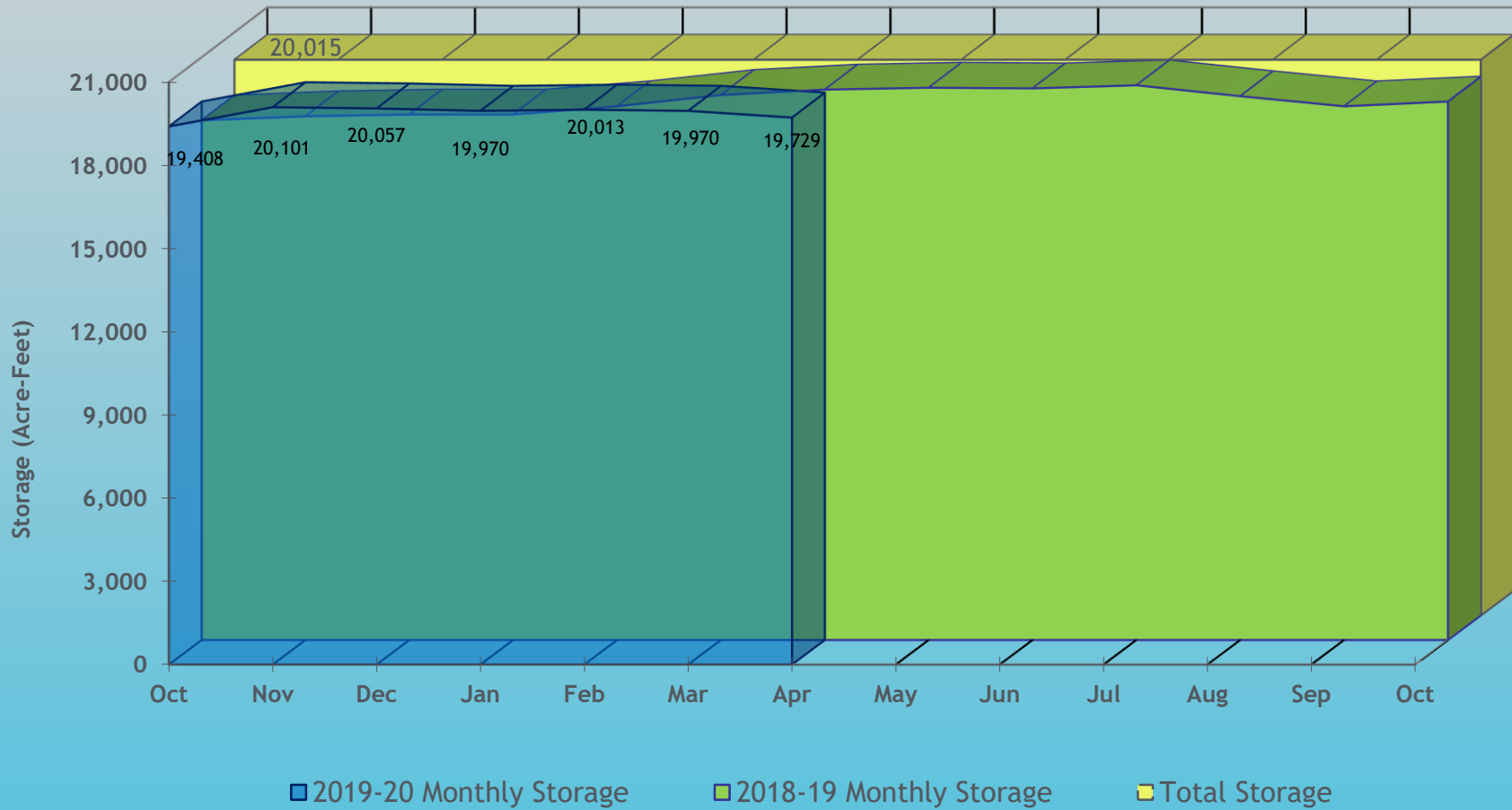
# Horse Creek Reservoir (District 1 - Agricultural)



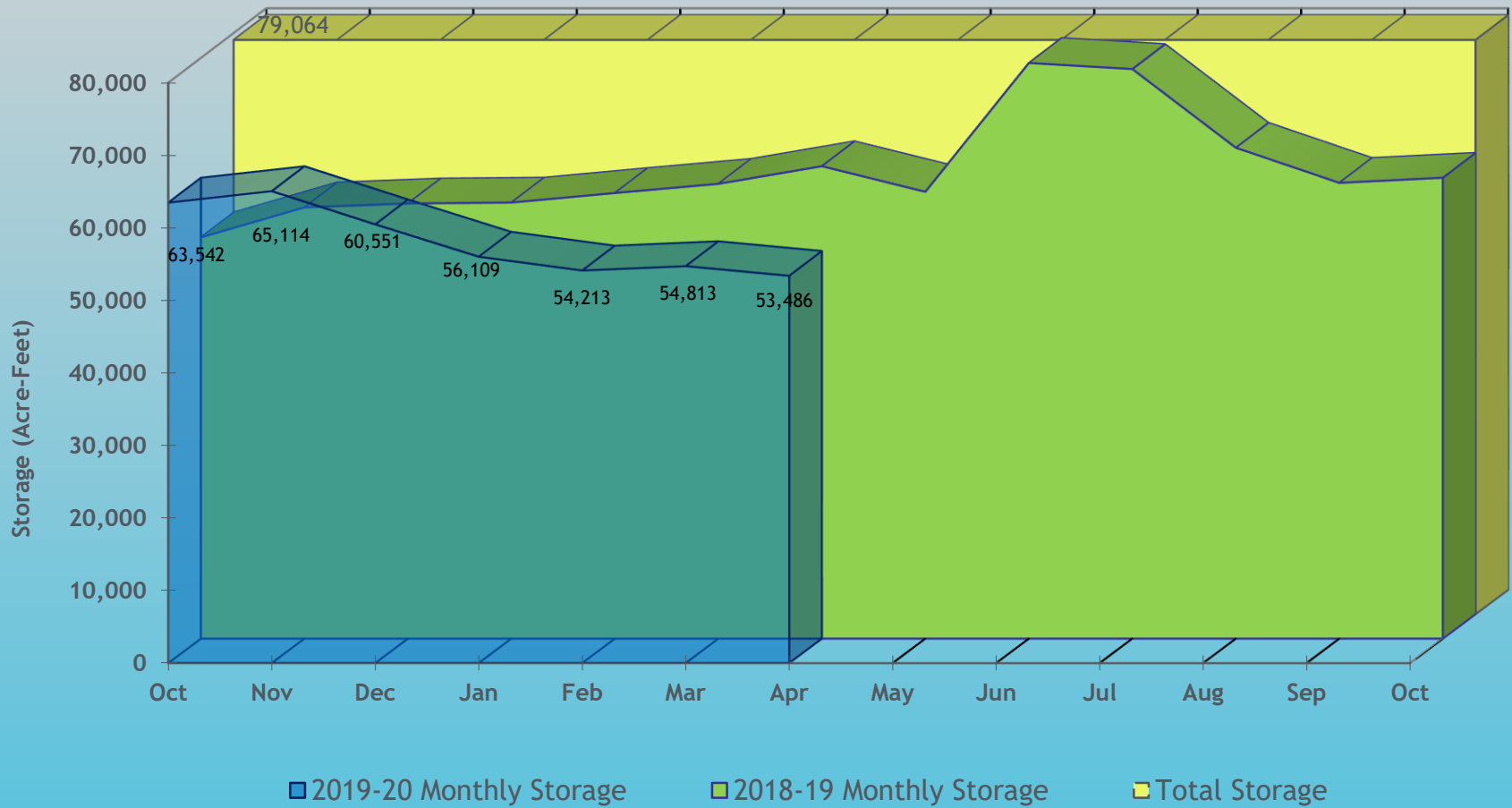
# Dillon Reservoir (District 1 - Municipal)



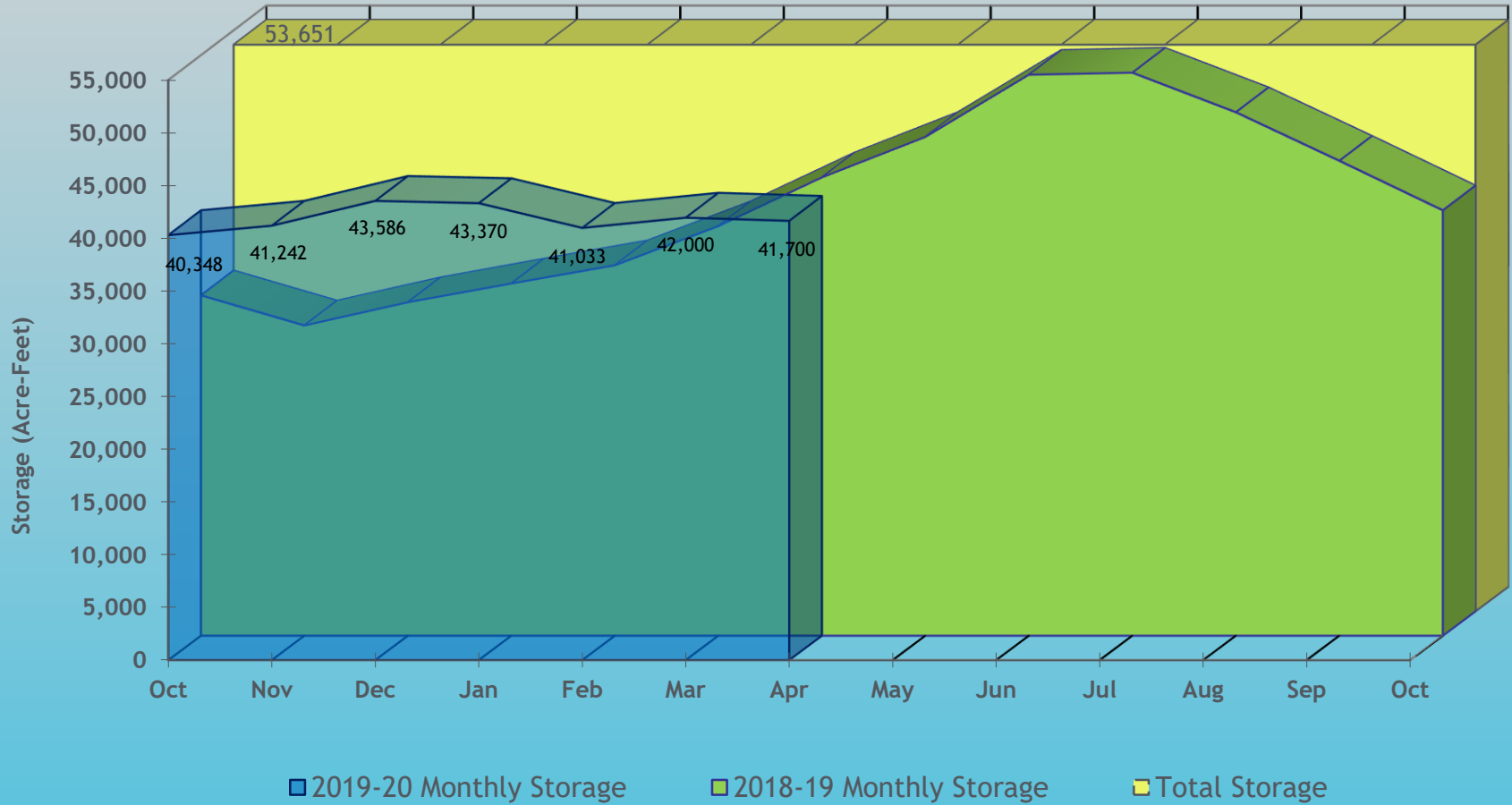
# Antero Reservoir (District 23 - Municipal)



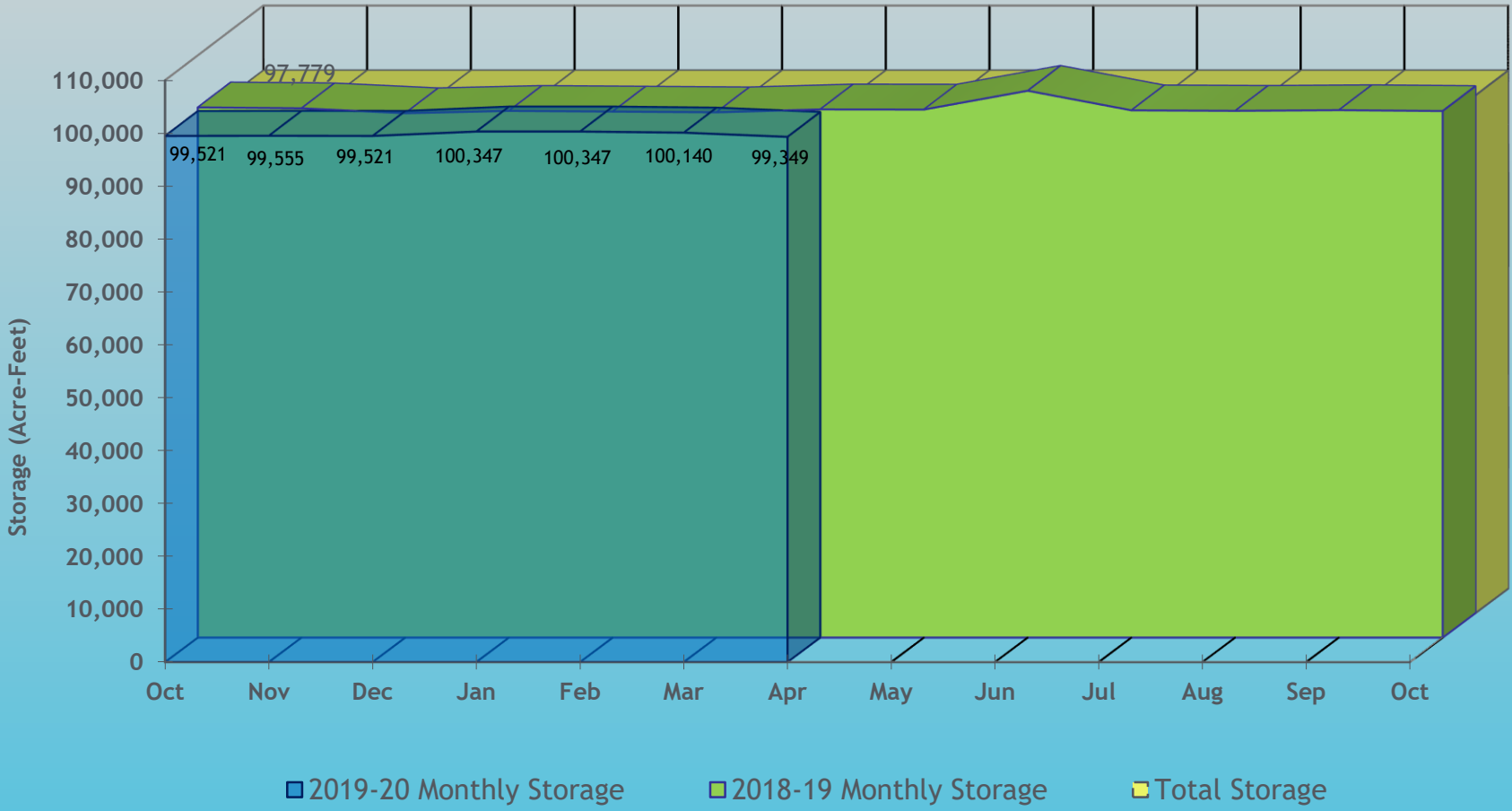
# Cheesman Reservoir (District 80 - Municipal)



# Spinney Mountain Reservoir (District 23 - Municipal)



# Eleven Mile Reservoir (District 23 - Municipal)





# Lake Granby

