



**COLORADO**  
Department of Natural Resources

## South Platte Summary May 2019

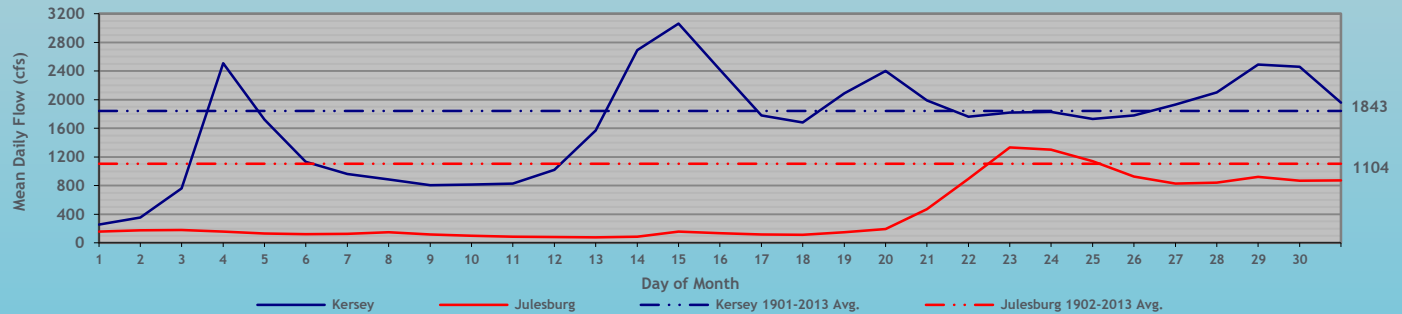
Compiled by Lee Cunning, P.E.

# COLORADO DIVISION OF WATER RESOURCES, DIVISION 1

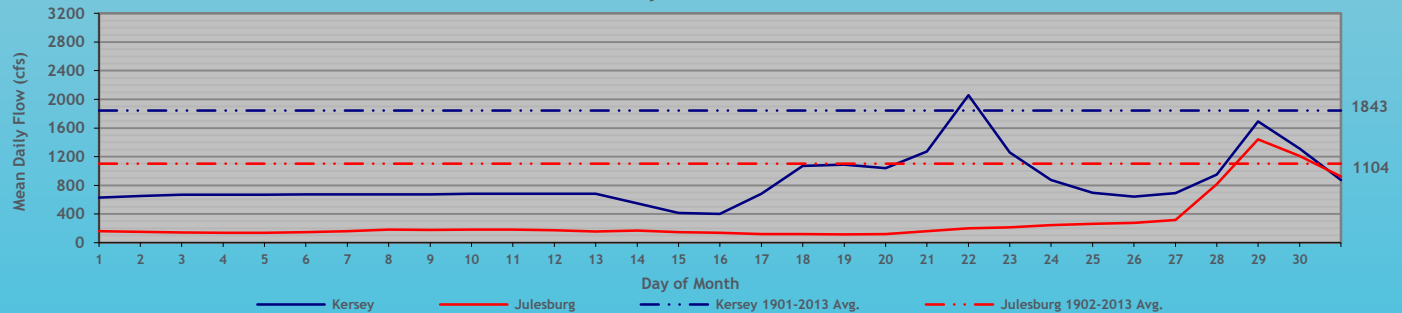
## MONTH OF May 2019

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	20,503	20,946	64	443	2%	92%	91%	0
N STERLING	73,730	70,444	71,744	64	1,300	2%	97%	94%	0
PREWITT	28,500	24,134	24,597	64	463	2%	86%	86%	0
JACKSON	27,257	26,056	26,200	1	144	1%	96%	96%	0
EMPIRE	37,700	36,370	32,478	1	-3,892	-11%	86%	97%	0
RIVERSIDE	63,113	55,234	55,803	1	569	1%	88%	88%	0
BARR LAKE	32,152	25,599	29,425	2	3,826	15%	92%	93%	0
CHEESMAN	79,064	65,129	61,611	80	-3,518	-5%	78%	93%	0
ELEVEN MILE	97,779	99,830	99,795	23	-35	0%	100%	100%	2,016
SPINNEY	53,651	43,456	47,278	23	3,822	9%	88%	83%	0
ANTERO	20,015	19,837	19,905	23	68	0%	99%	100%	0

KERSEY and JULESBURG  
May 2018

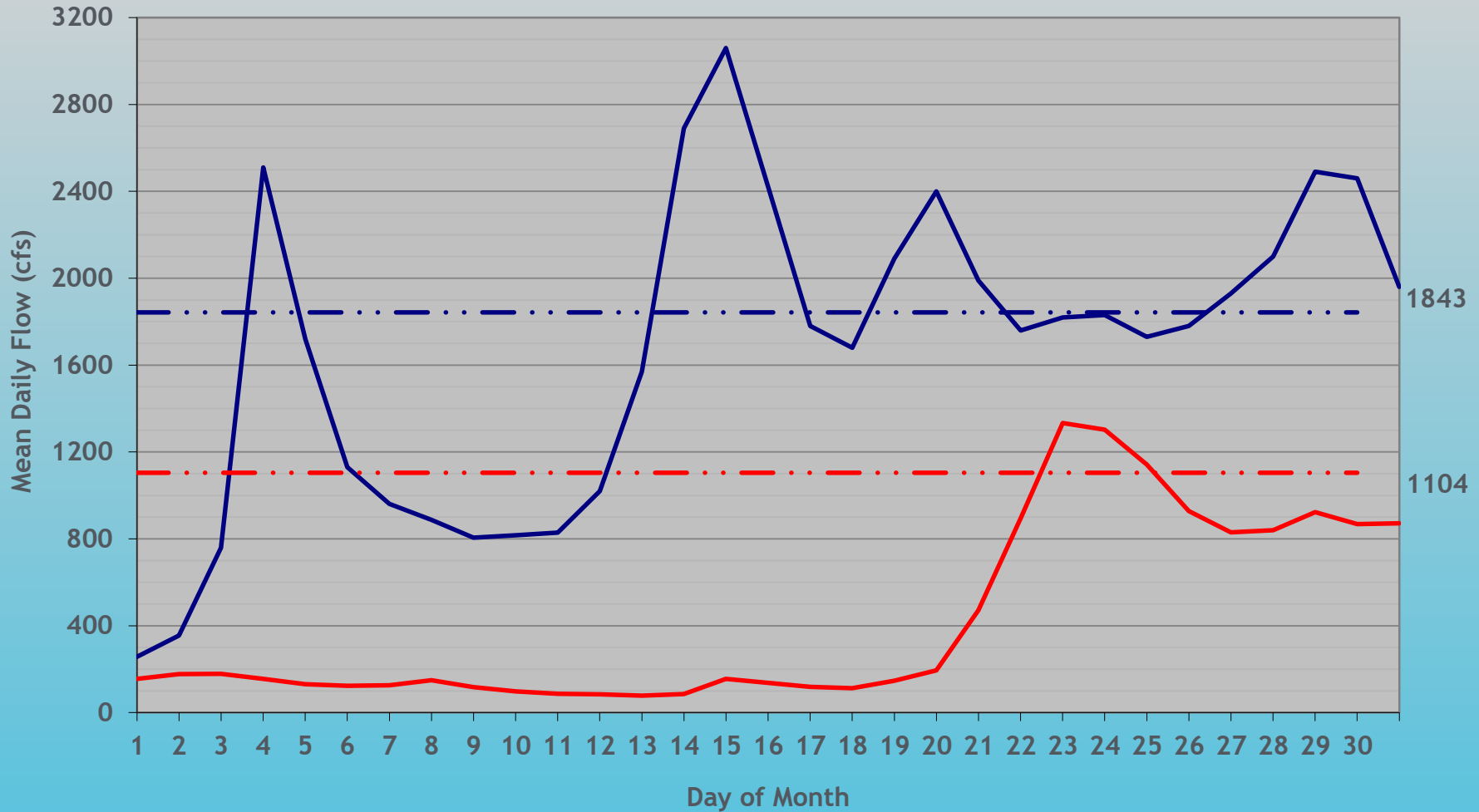


KERSEY and JULESBURG  
May 2019



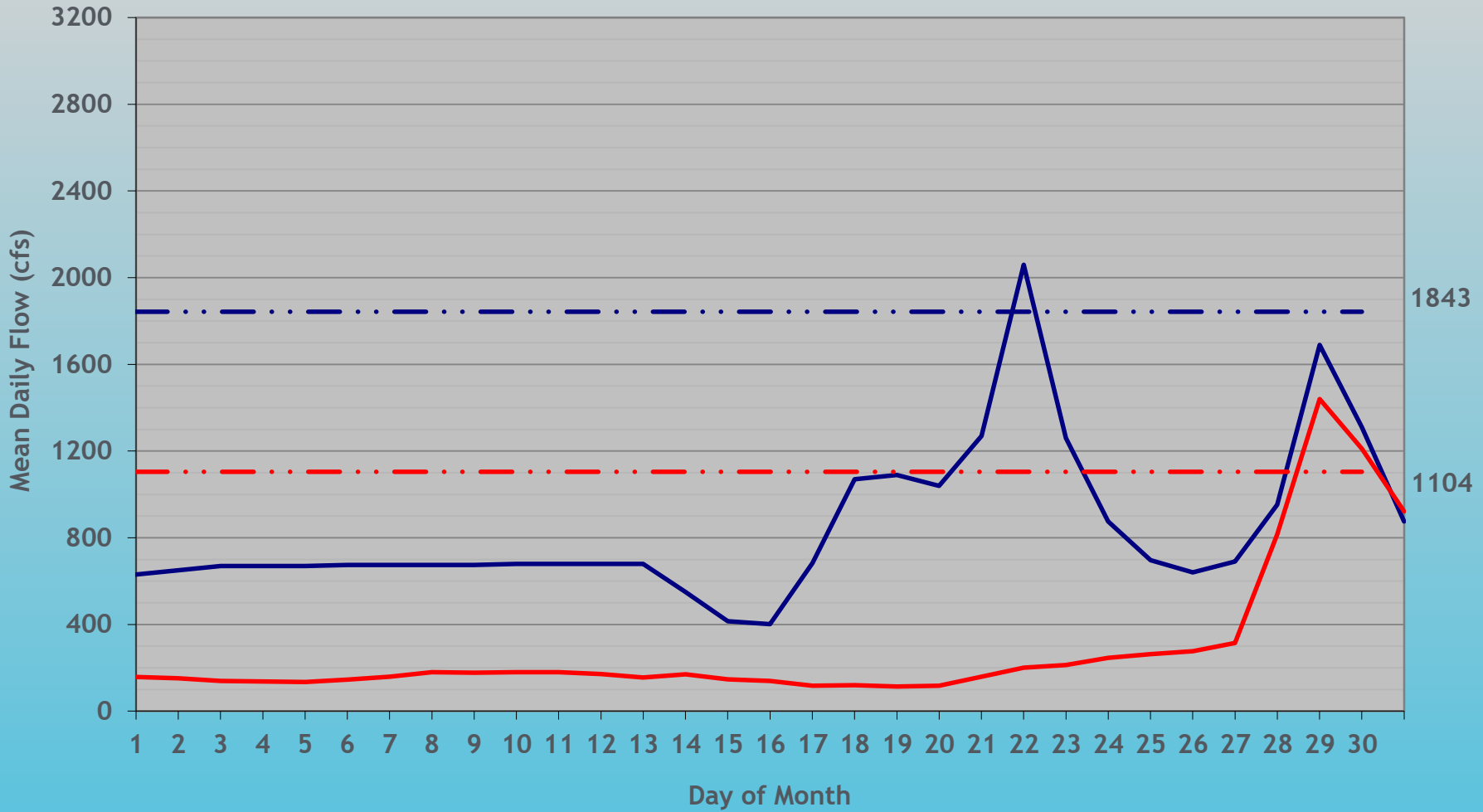
RIVER GAGES	MEAN DAILY FLOW (CFS)
<b>KERSEY</b>	<b>848</b>
<b>JULESBURG</b>	<b>292</b>
<b>THIS MONTH LAST YEAR</b>	
<b>KERSEY</b>	<b>1664</b>
<b>JULESBURG</b>	<b>420</b>
<b>MEAN FOR PERIOD OF RECORD*</b>	
<b>KERSEY</b>	<b>1843</b>
<b>JULESBURG</b>	<b>1104</b>

# KERSEY and JULESBURG May 2018



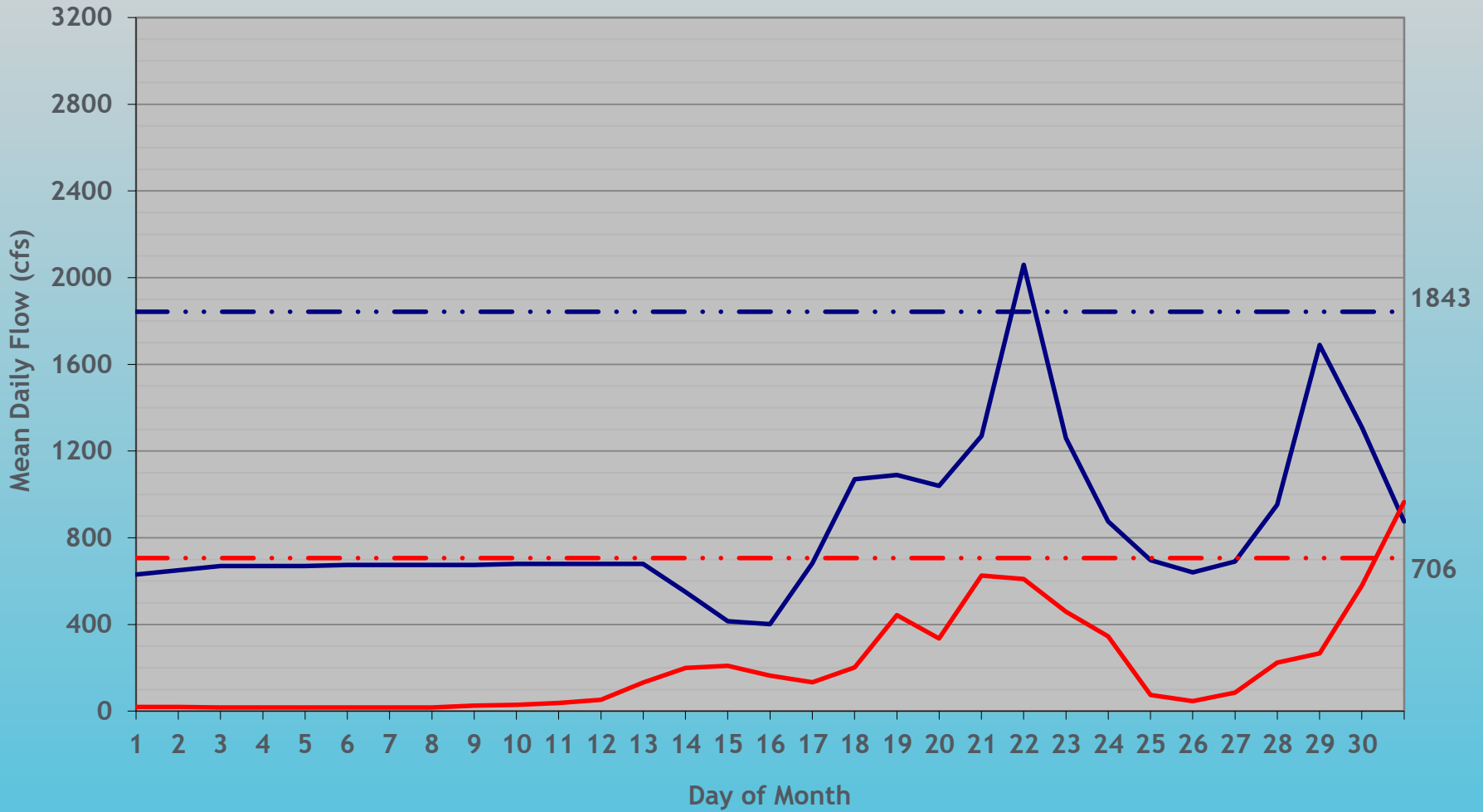
— Kersey — Julesburg — • Kersey 1901-2013 Avg. — • Julesburg 1902-2013 Avg.

# KERSEY and JULESBURG May 2019



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

# KERSEY and BALZAC May 2019



— Kersey

— Balzac

· · Kersey 1901-2013 Avg.

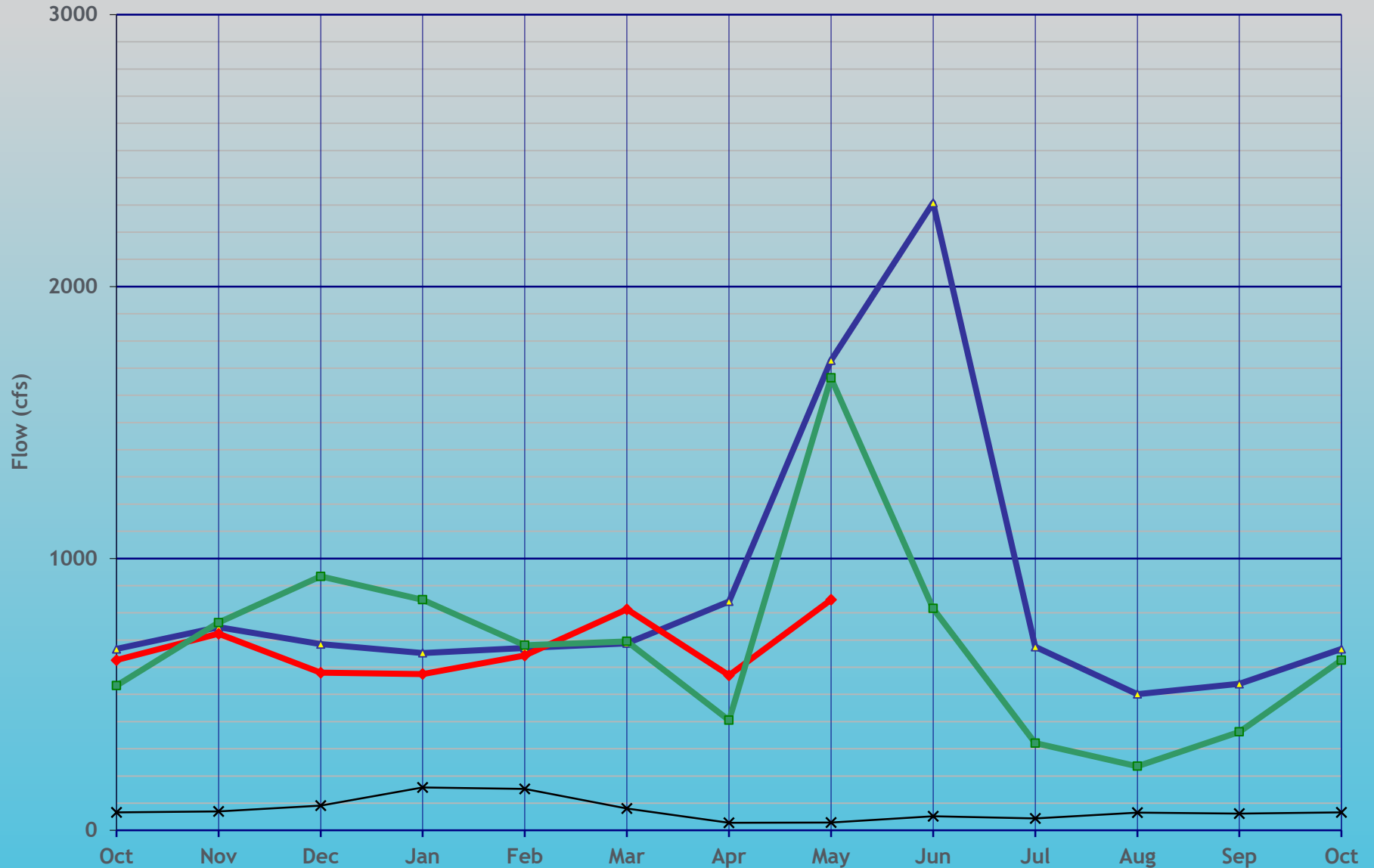
· · Balzac 1917-2013 Avg.

## 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 2019 Mean Monthly Flow	Month	Historic* Mean Flow	Historic* Max Flow	Year	Historic* Min Flow	Year	IY 2019 Mean Monthly Flow
Oct	667	6180	1984	66	1954	626	Oct	299	3130	1984	4.2	1903	126
Nov	747	3650	1984	70	1934	723	Nov	335	2900	1984	4.2	1903	134
Dec	685	1890	1961	91	1934	580	Dec	401	1820	1984	13	2002	216
Jan	652	2160	1974	158	1935	575	Jan	512	2510	1970	21	2003	282
Feb	671	3060	1914	152	1935	643	Feb	578	3220	1930	29	2005	422
Mar	688	3470	1983	80	1935	813	Mar	512	12900	1910	15	1904	594
Apr	842	18100	1942	28	1955	570	Apr	514	14400	1942	4.0	1904	179
May	1728	26100	1973	29	1955	848	May	994	18100	1973	12	1911	292
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 1902-2016							*Period of record 1902-2016						

# South Platte River at Kersey

Irrigation Year



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Historic\* Mean Flow

Historic\* Min Flow

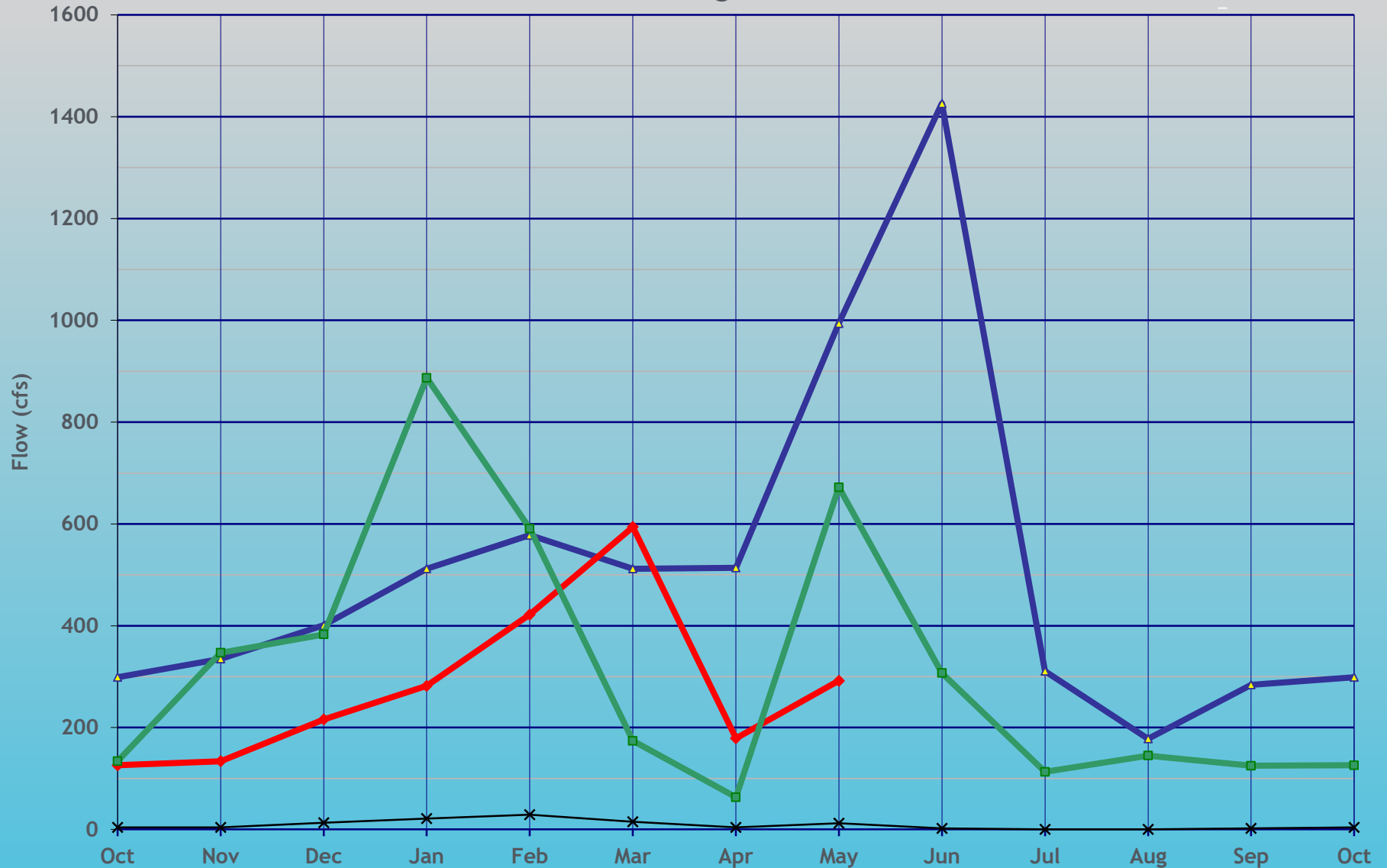
2018-2019 Mean Flow

2017-2018 Mean Flow

\*1901-2016

# South Platte River at Julesburg

Irrigation Year



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\*1901-2016

Historic\* Mean Flow

Historic\* Min Flow

2018-2019 Mean Flow

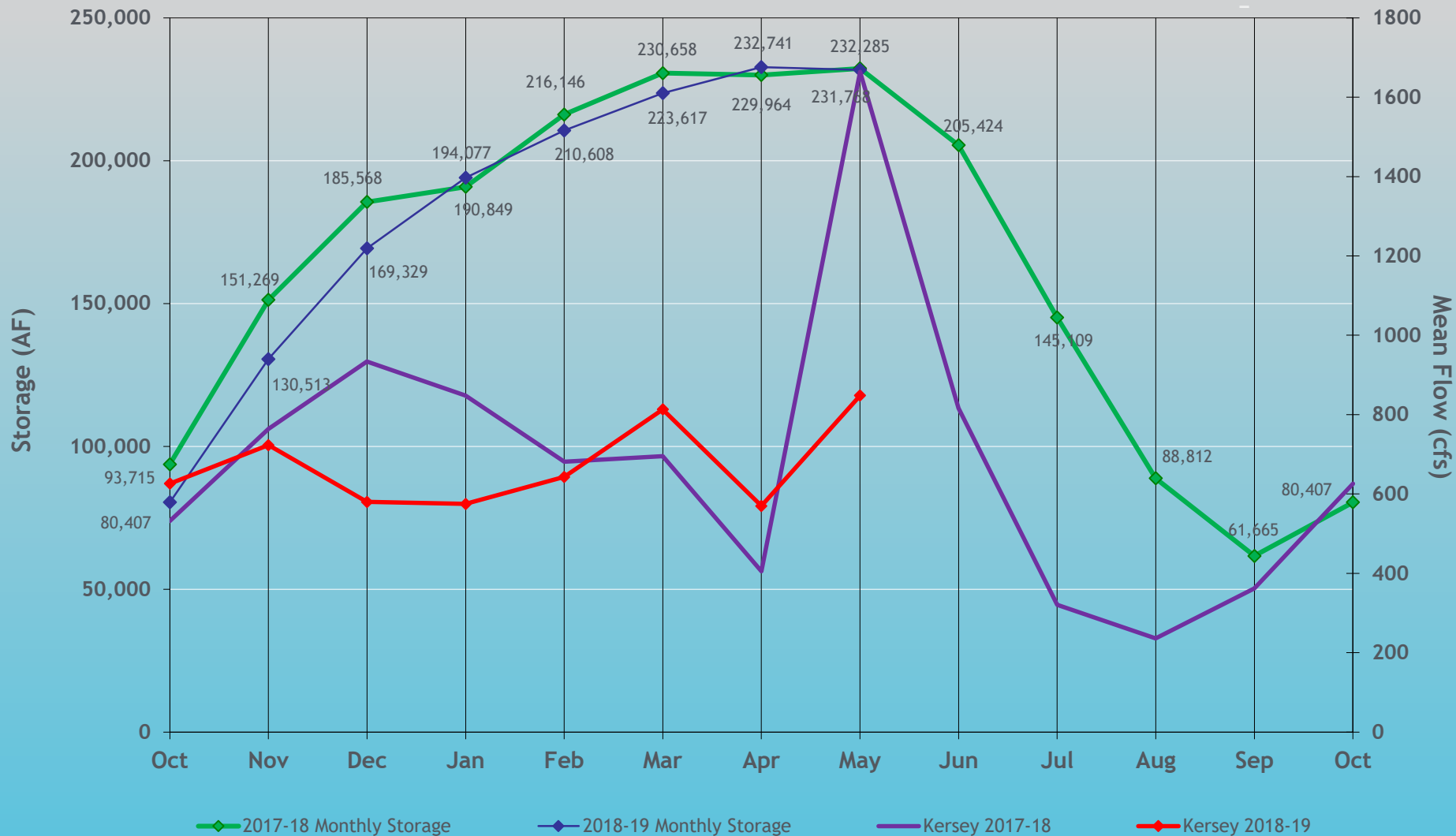
2017-2018 Mean Flow





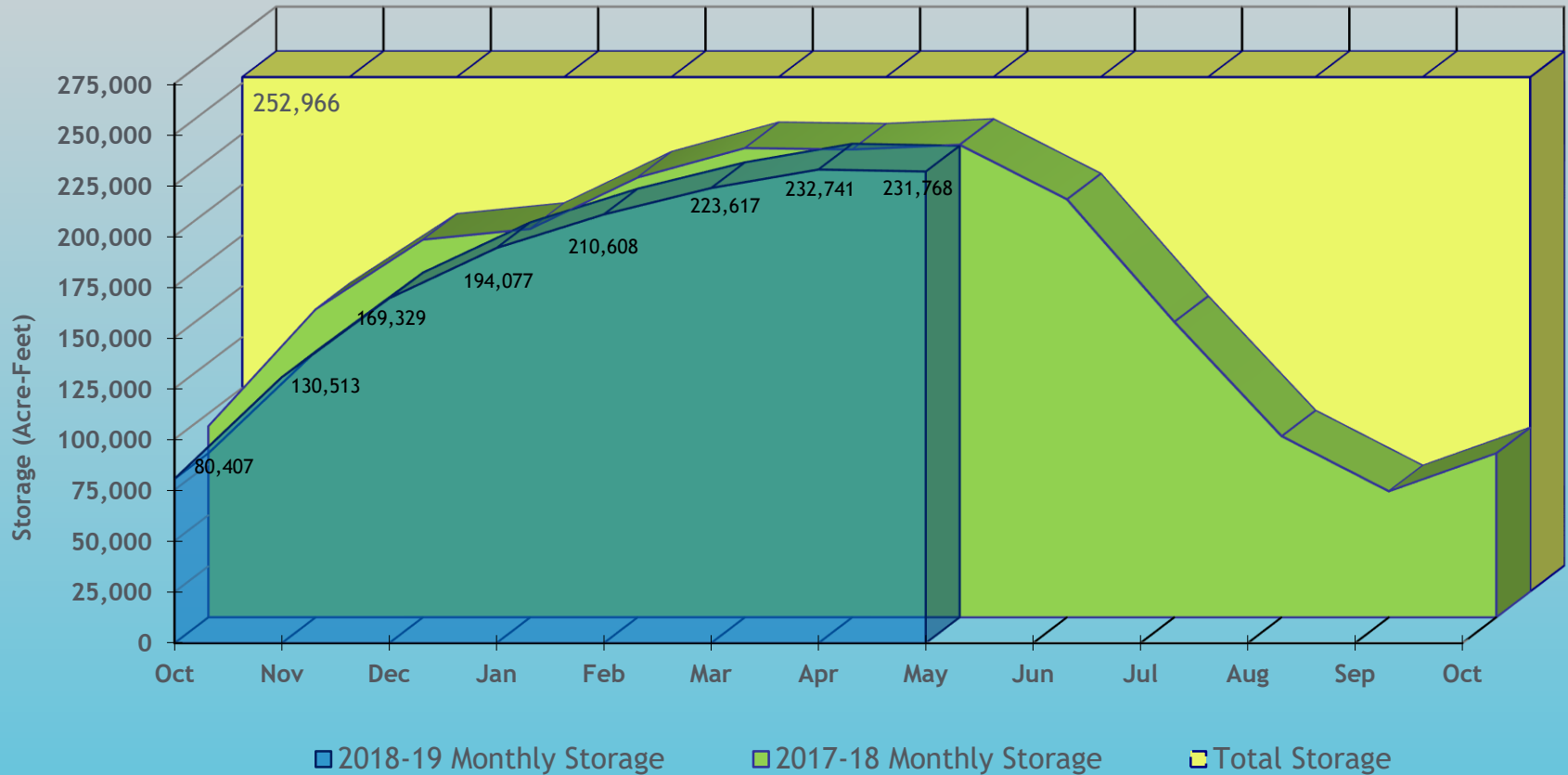
# Reservoir Storage below Kersey

Selected Reservoirs\*



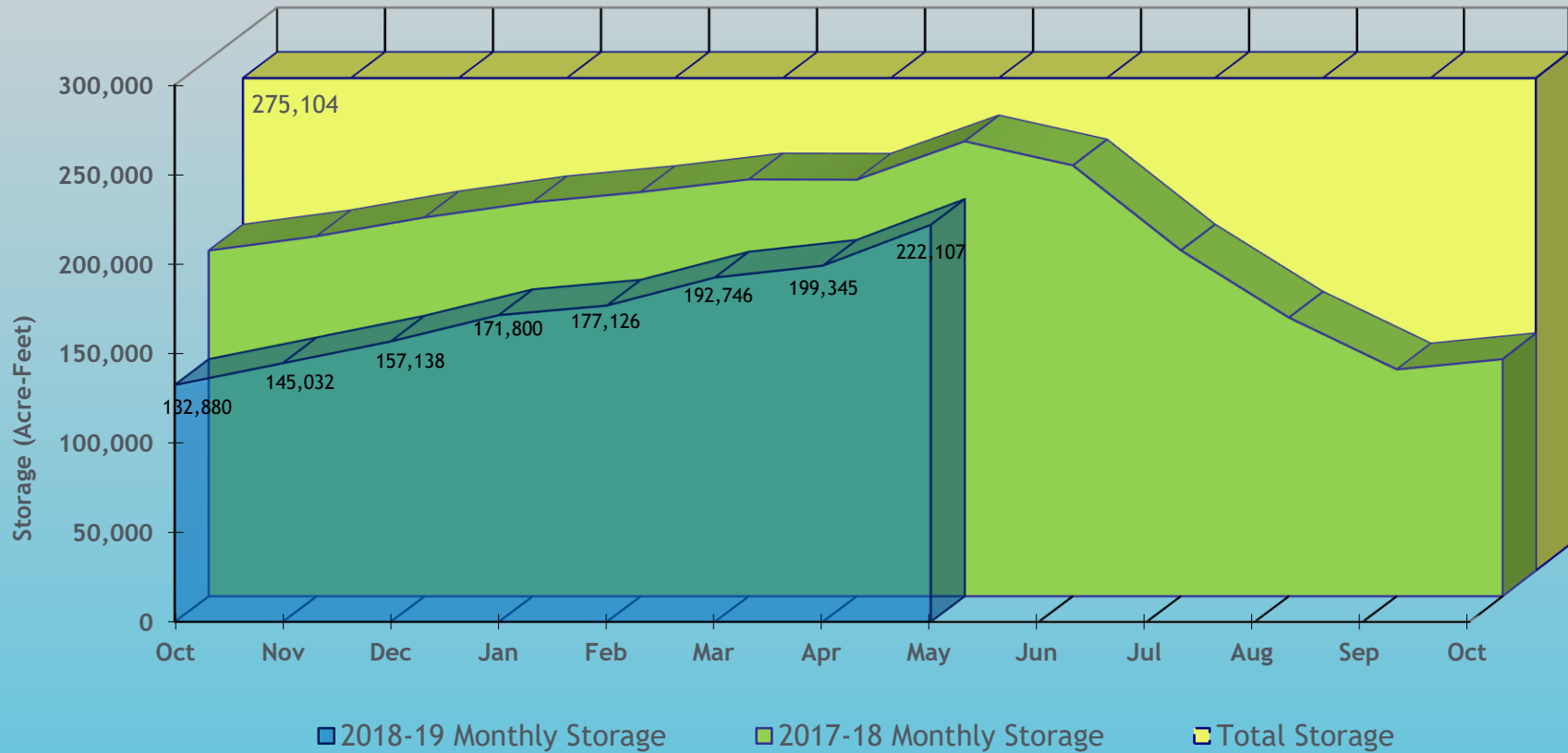
\*Empire, Riverside, Jackson, Prewitt, North Sterling, & Julesburg

# South Platte Reservoir Storage below Kersey\*



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

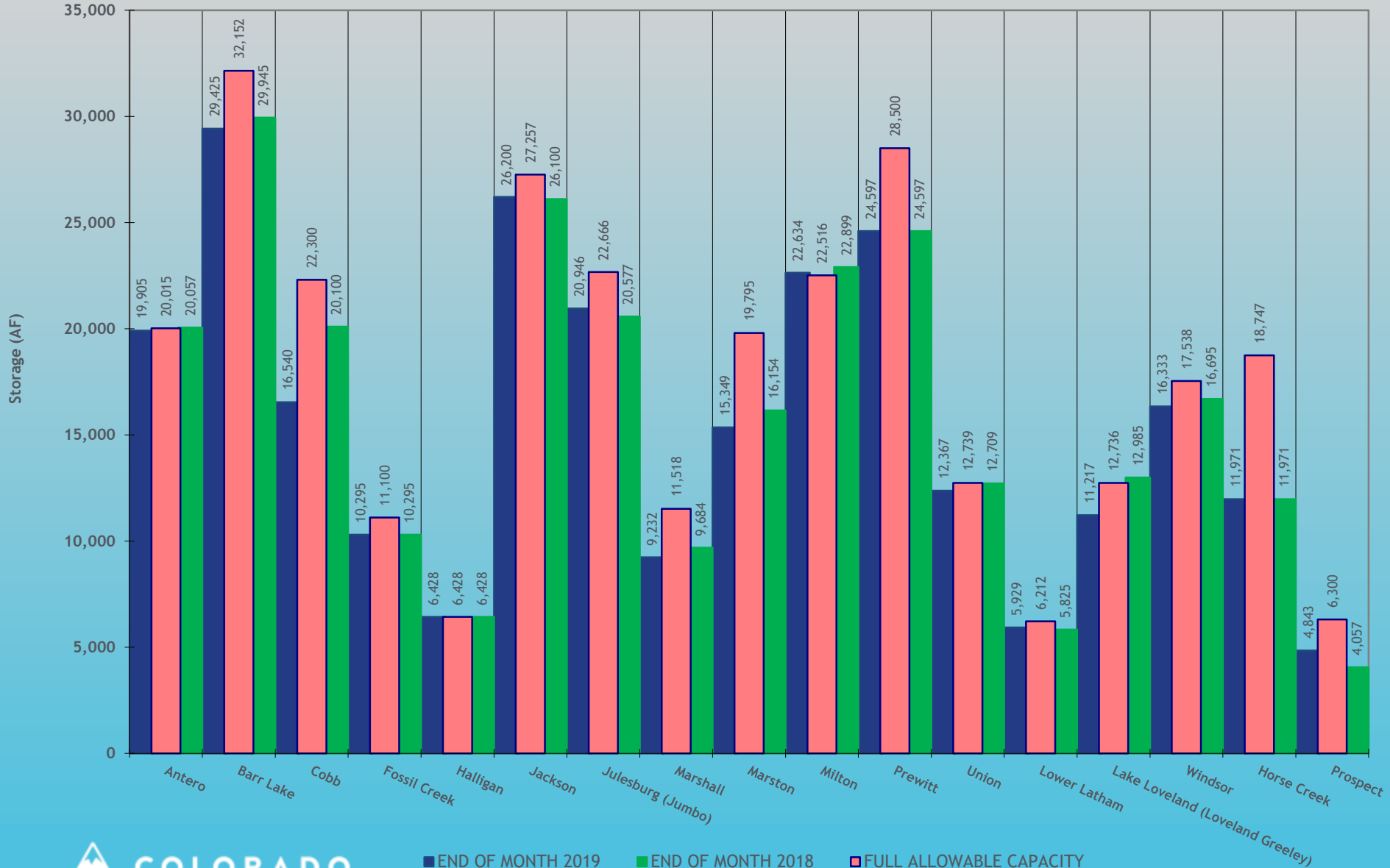
# South Platte Reservoir Storage above Kersey\*



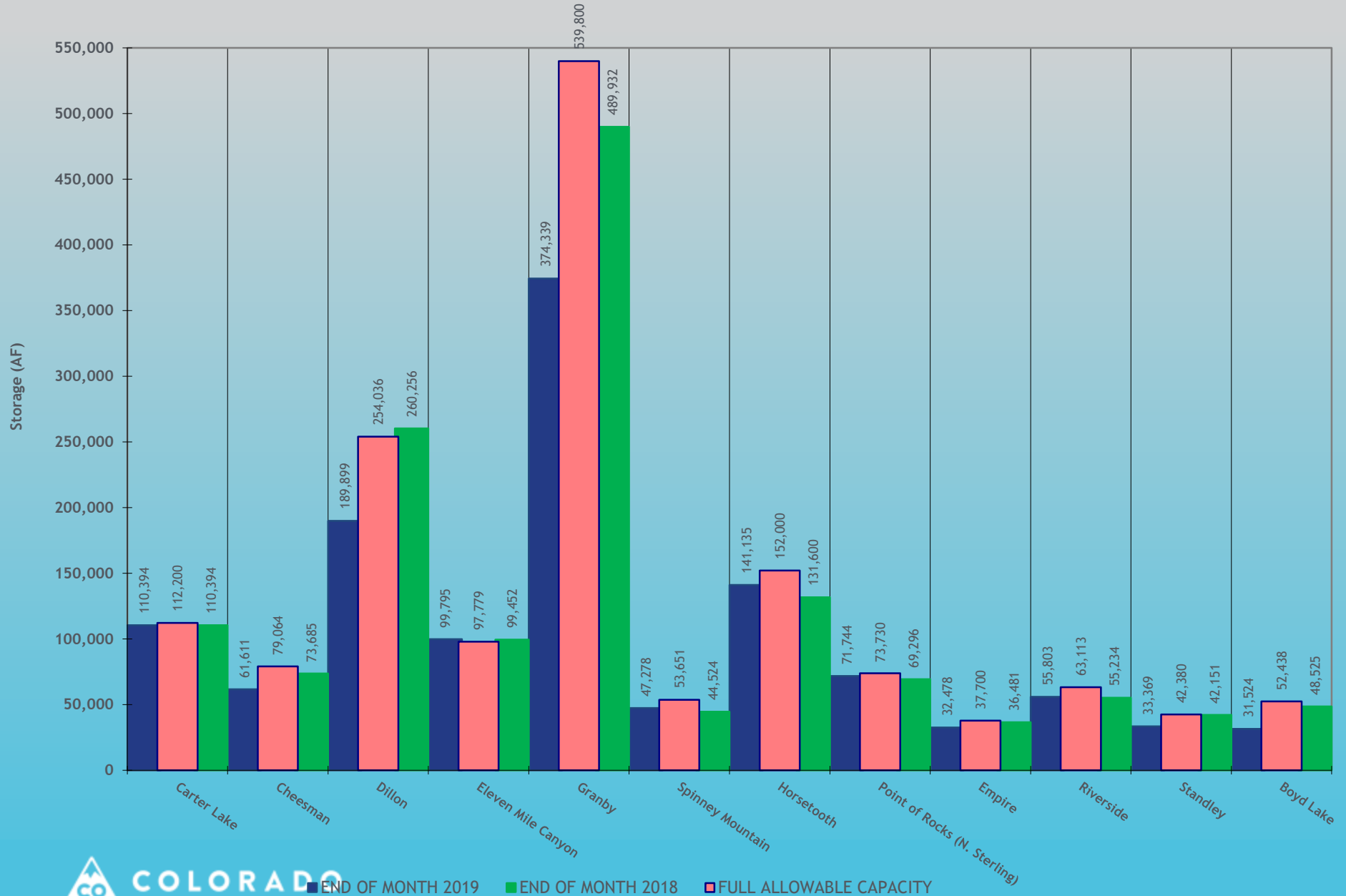
\*Barr, Cobb, Fossil Crk, Halligan, Marshall, Milton, Union, Standley, Lower Latham, Boyd, Loveland, Windsor, Horse Crk, & Prospect



# May Reservoir Change in Storage IY2018 versus IY2019



# May Reservoir Change in Storage IY2018 versus IY2019



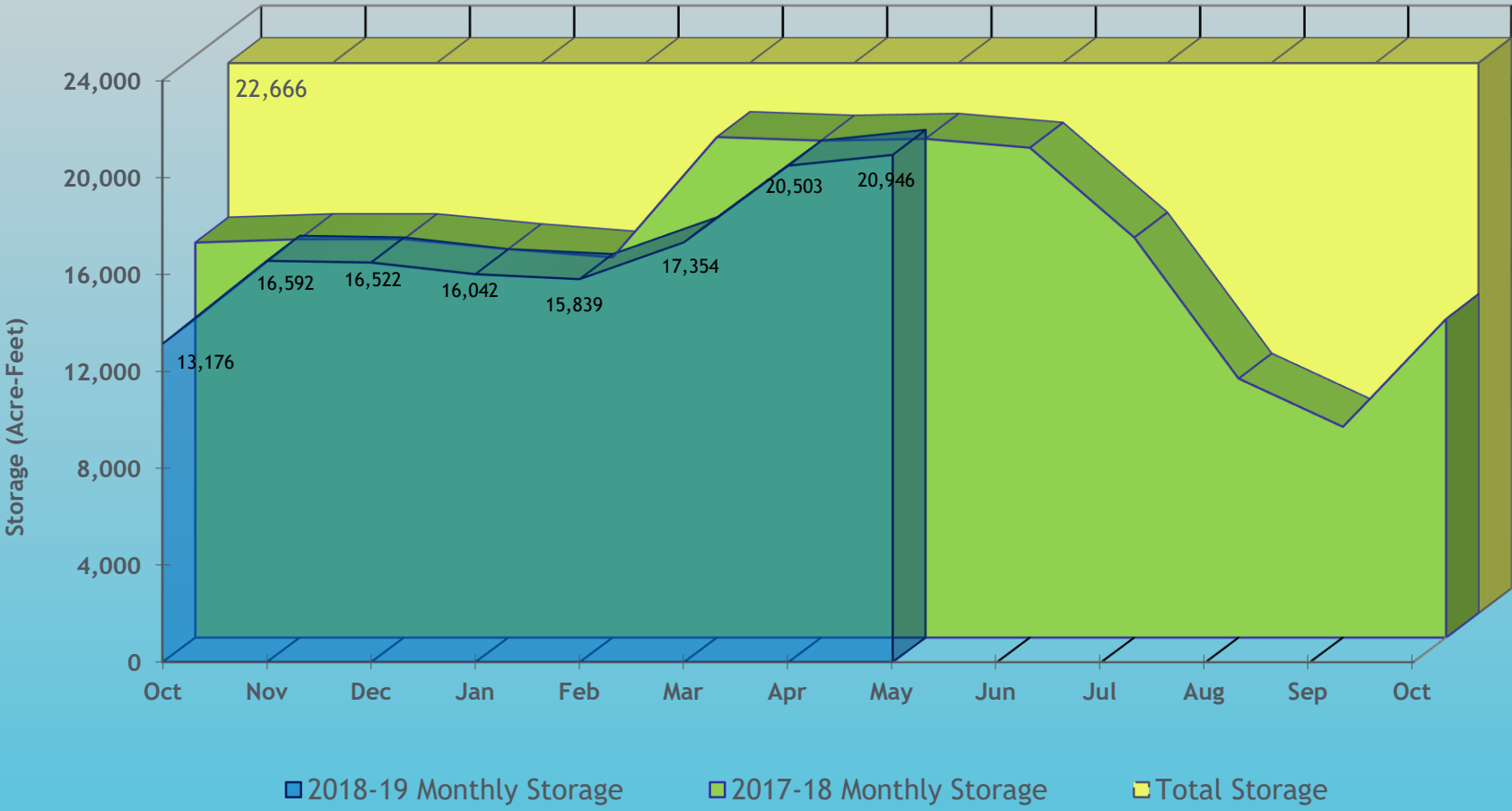
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■ END OF MONTH 2019

■ END OF MONTH 2018

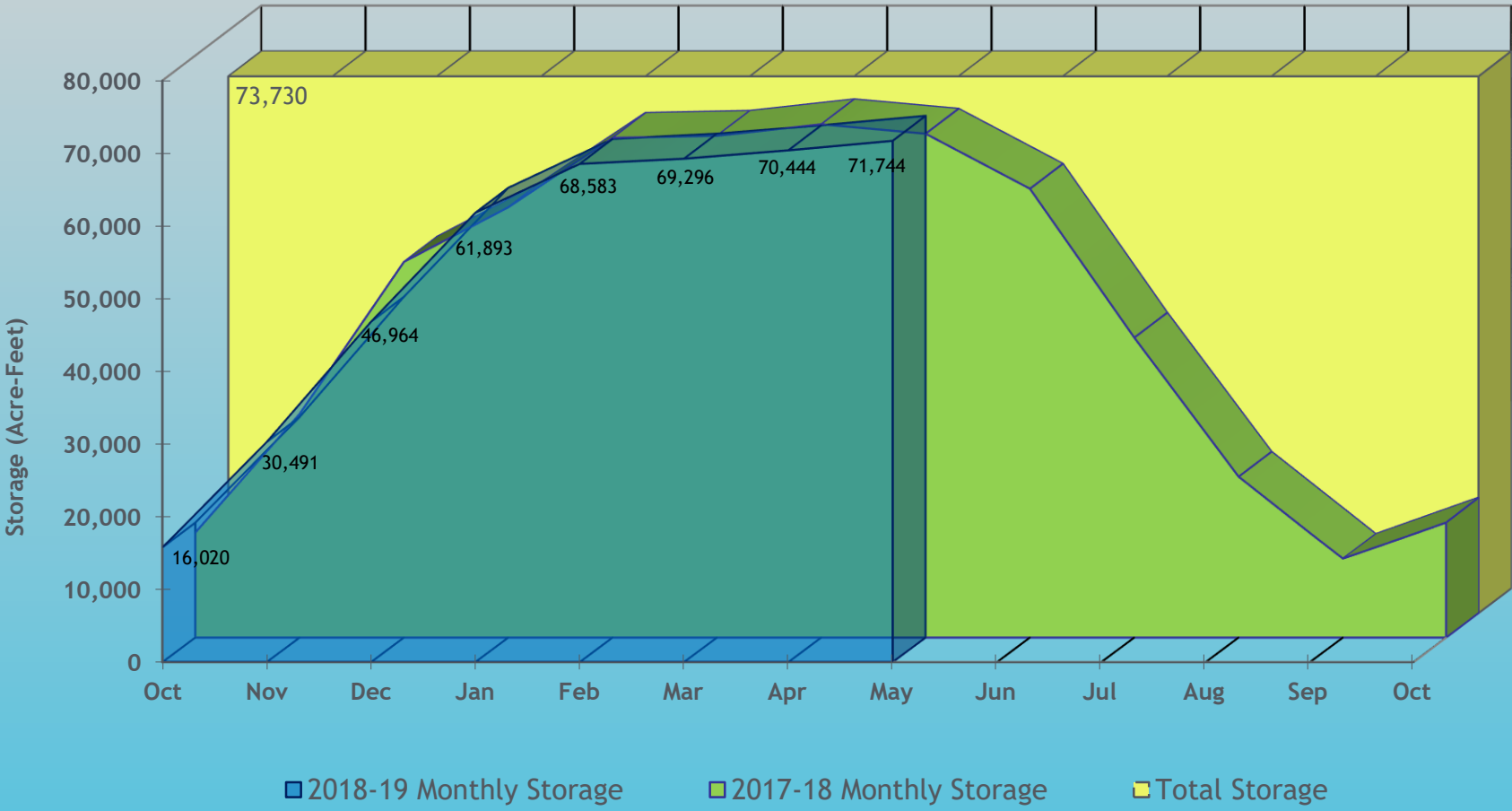
■ FULL ALLOWABLE CAPACITY

# Julesburg Reservoir (District 64 - Agricultural)

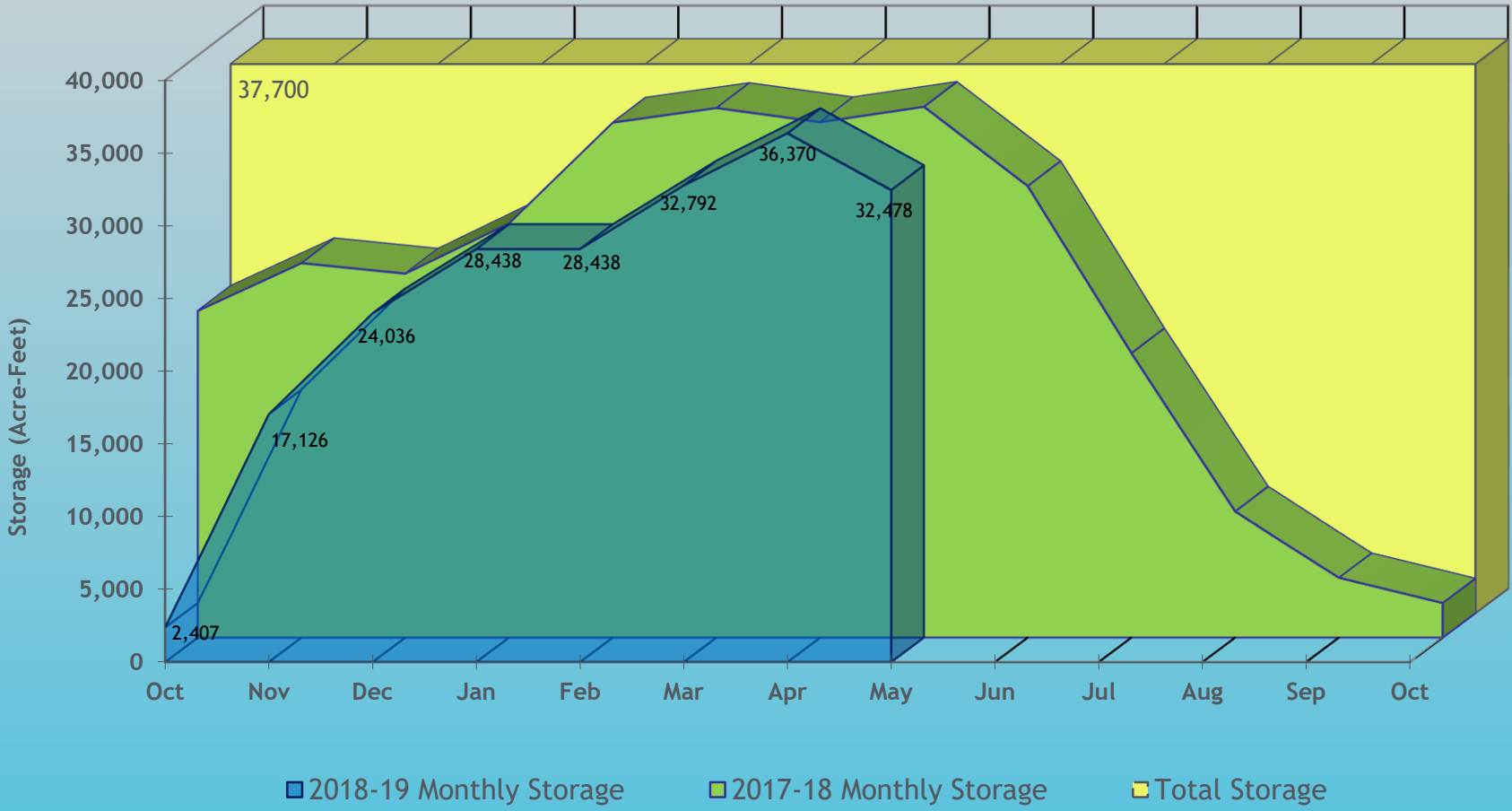




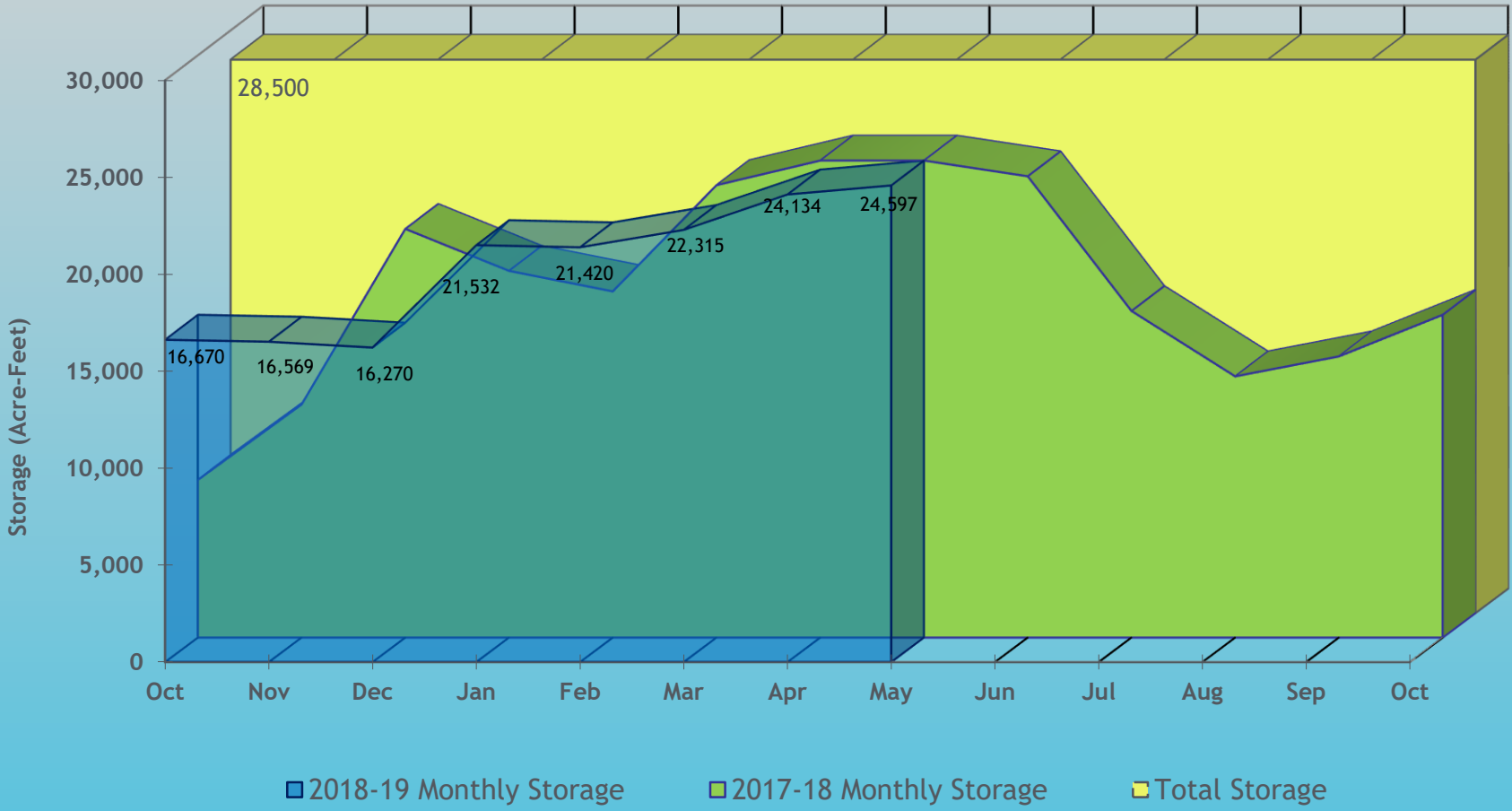
# North Sterling Reservoir (District 64 - Agricultural)



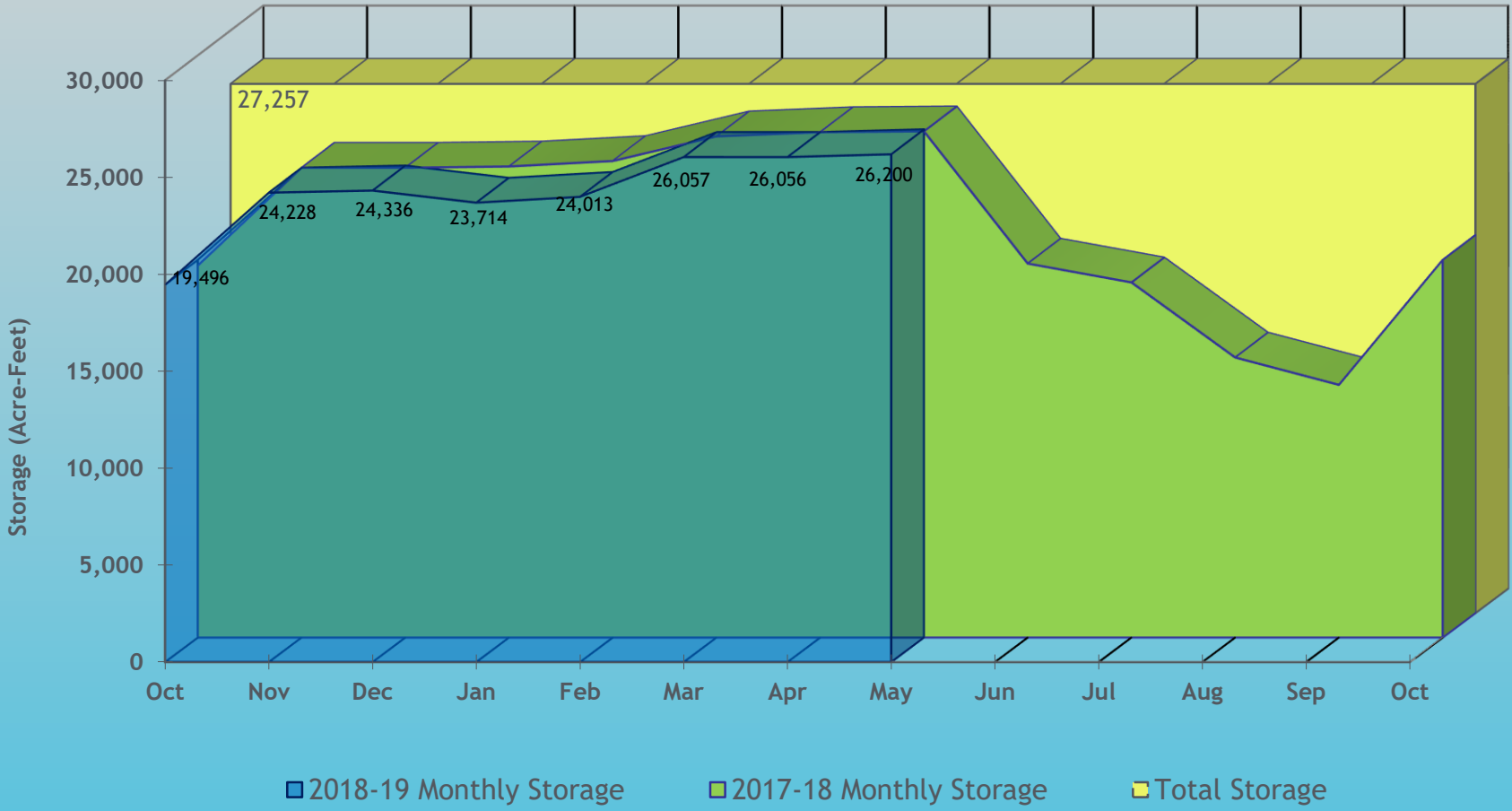
# Empire Reservoir (District 1 - Agricultural)



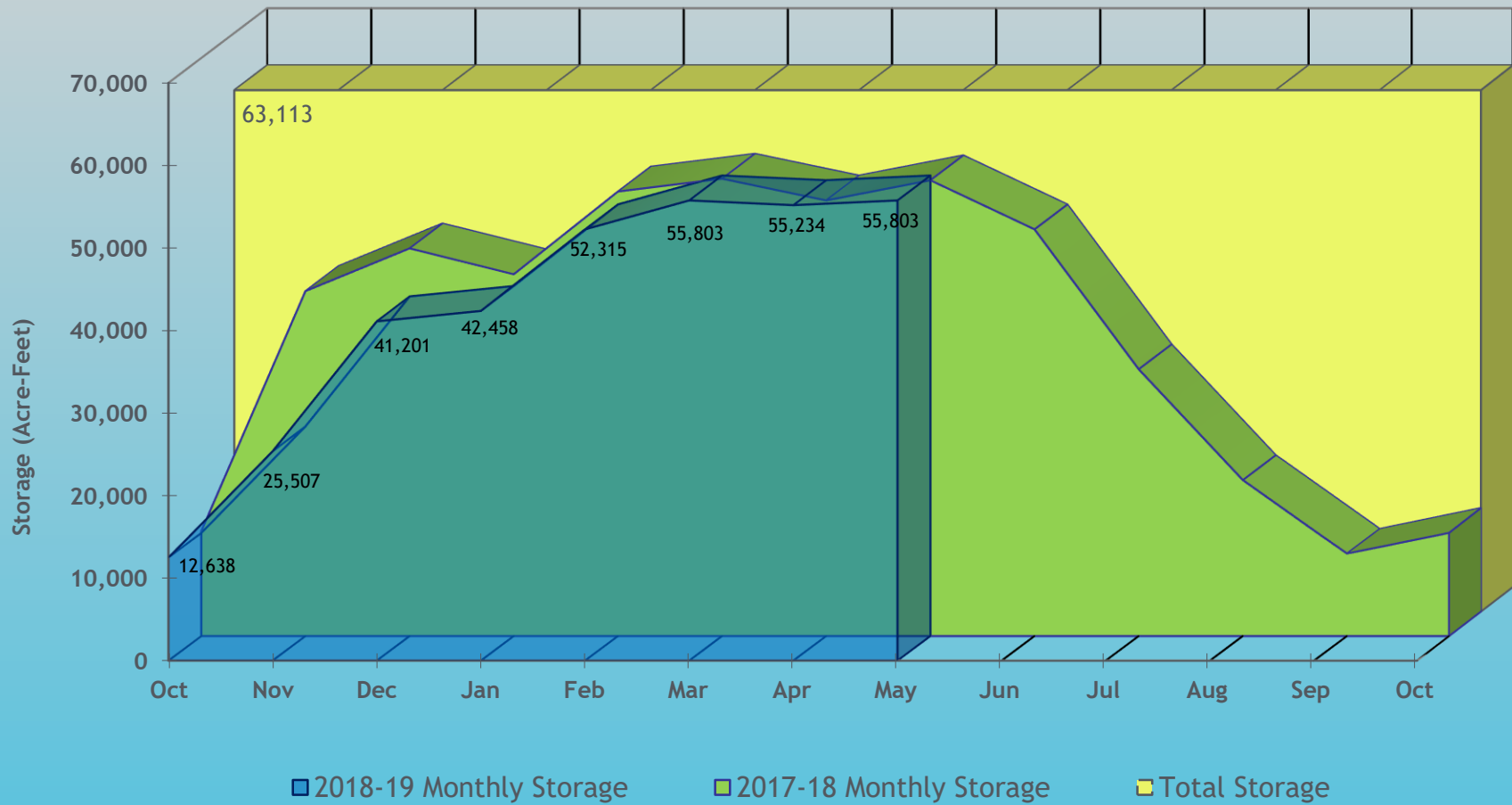
# Prewitt Reservoir (District 64 - Agricultural)



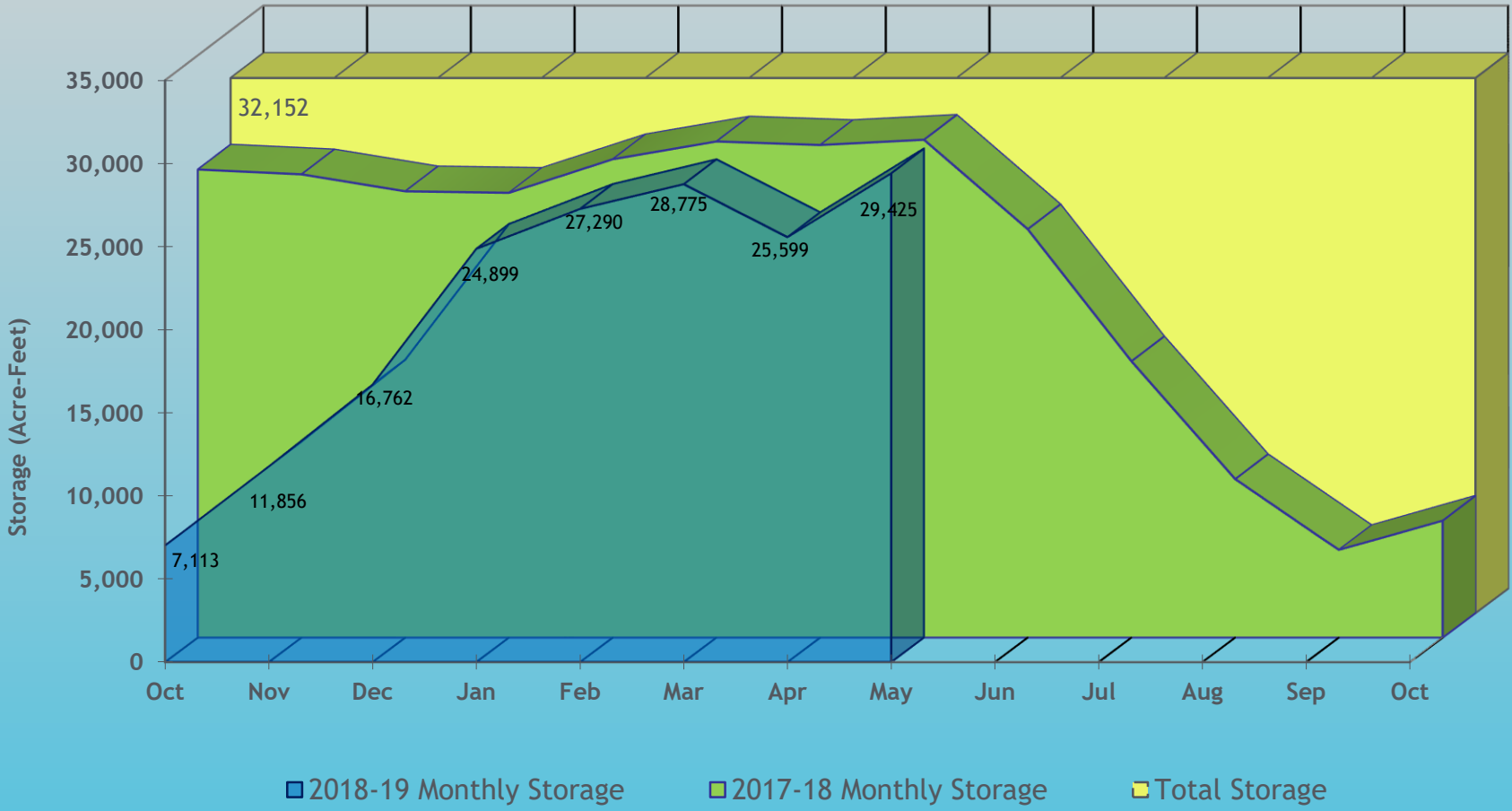
# Jackson Reservoir (District 1 - Agricultural)



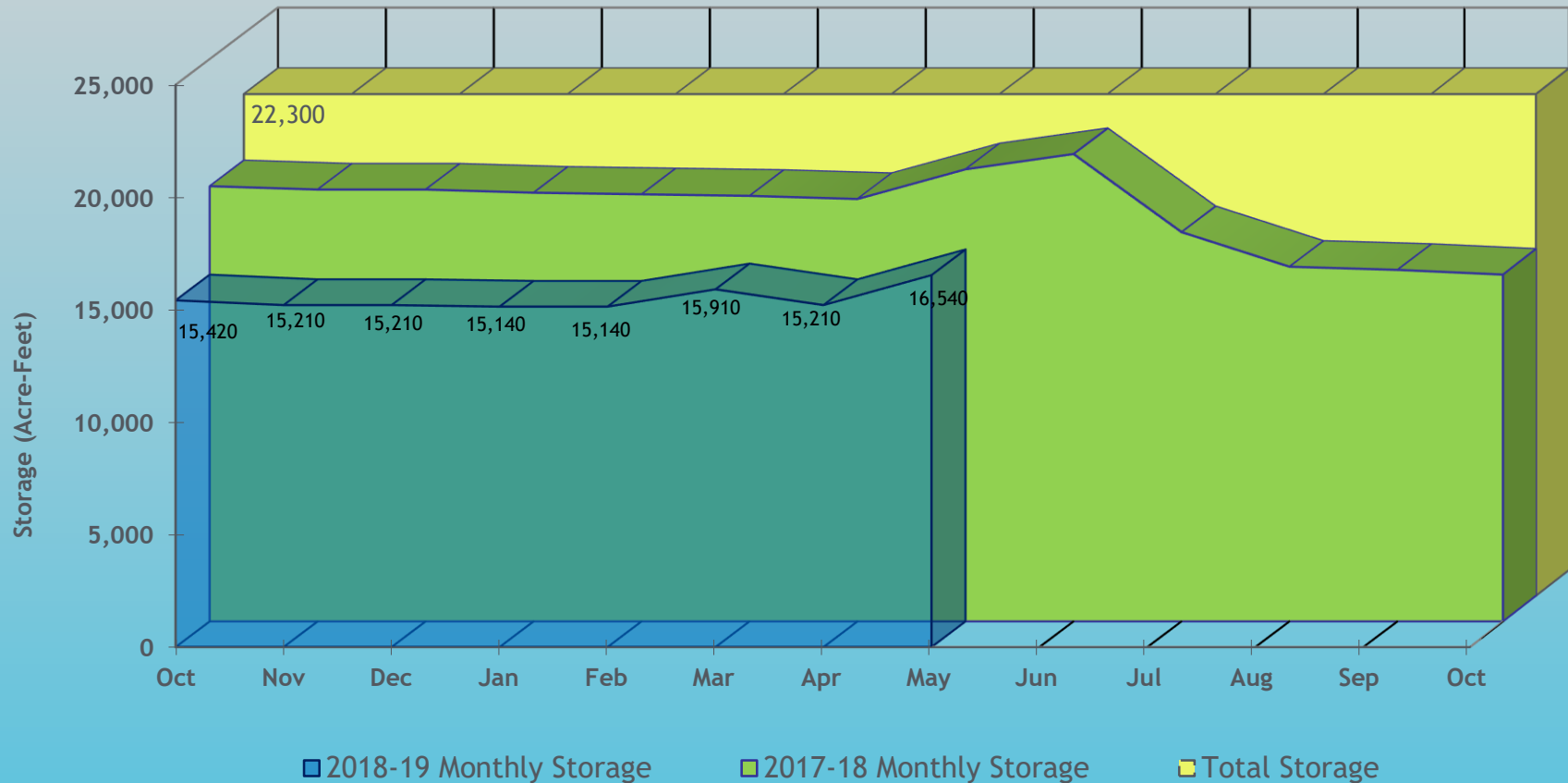
# Riverside Reservoir (District 1 - Agricultural)



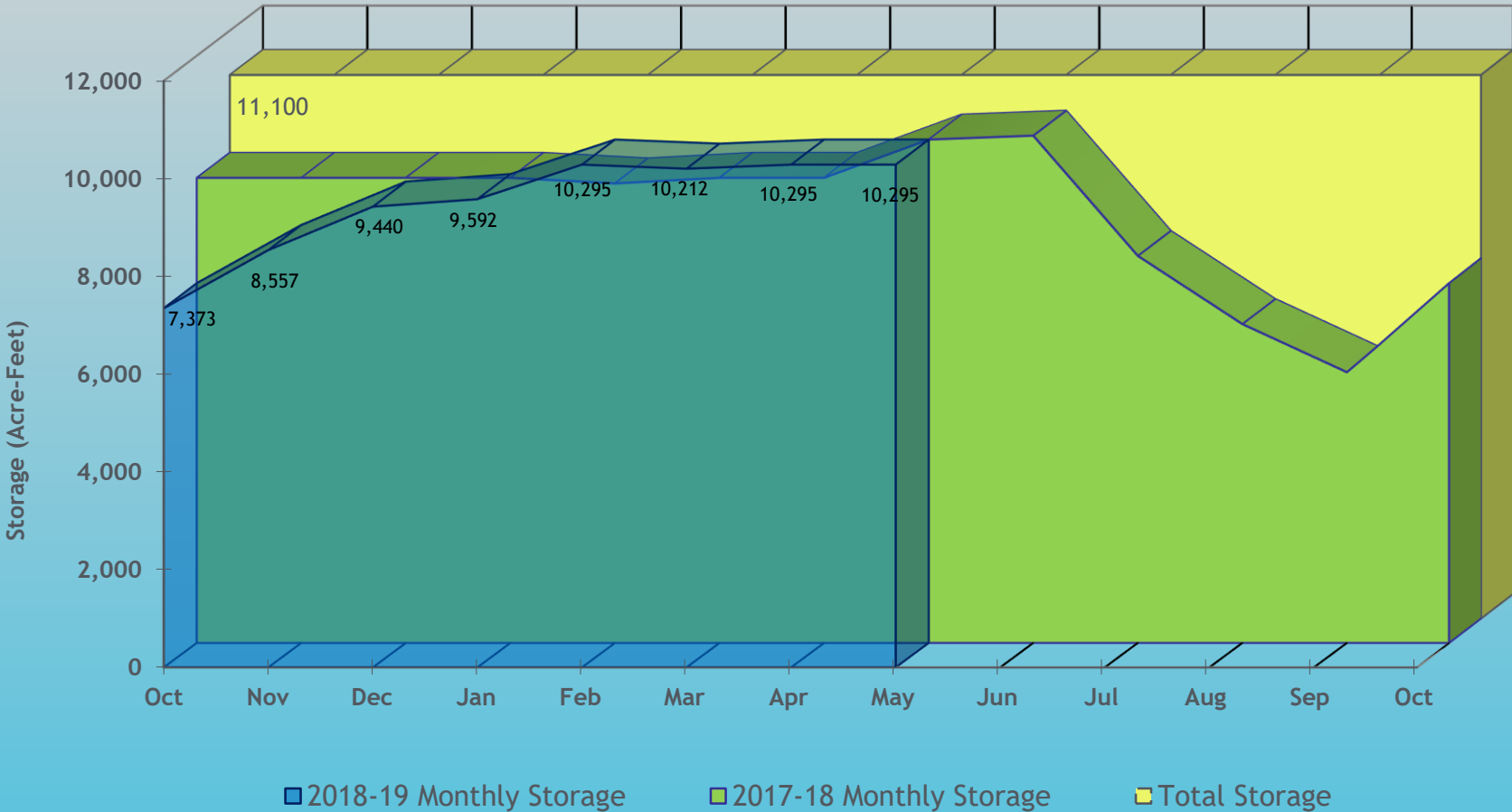
# Barr Reservoir (District 2 - Agricultural)



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

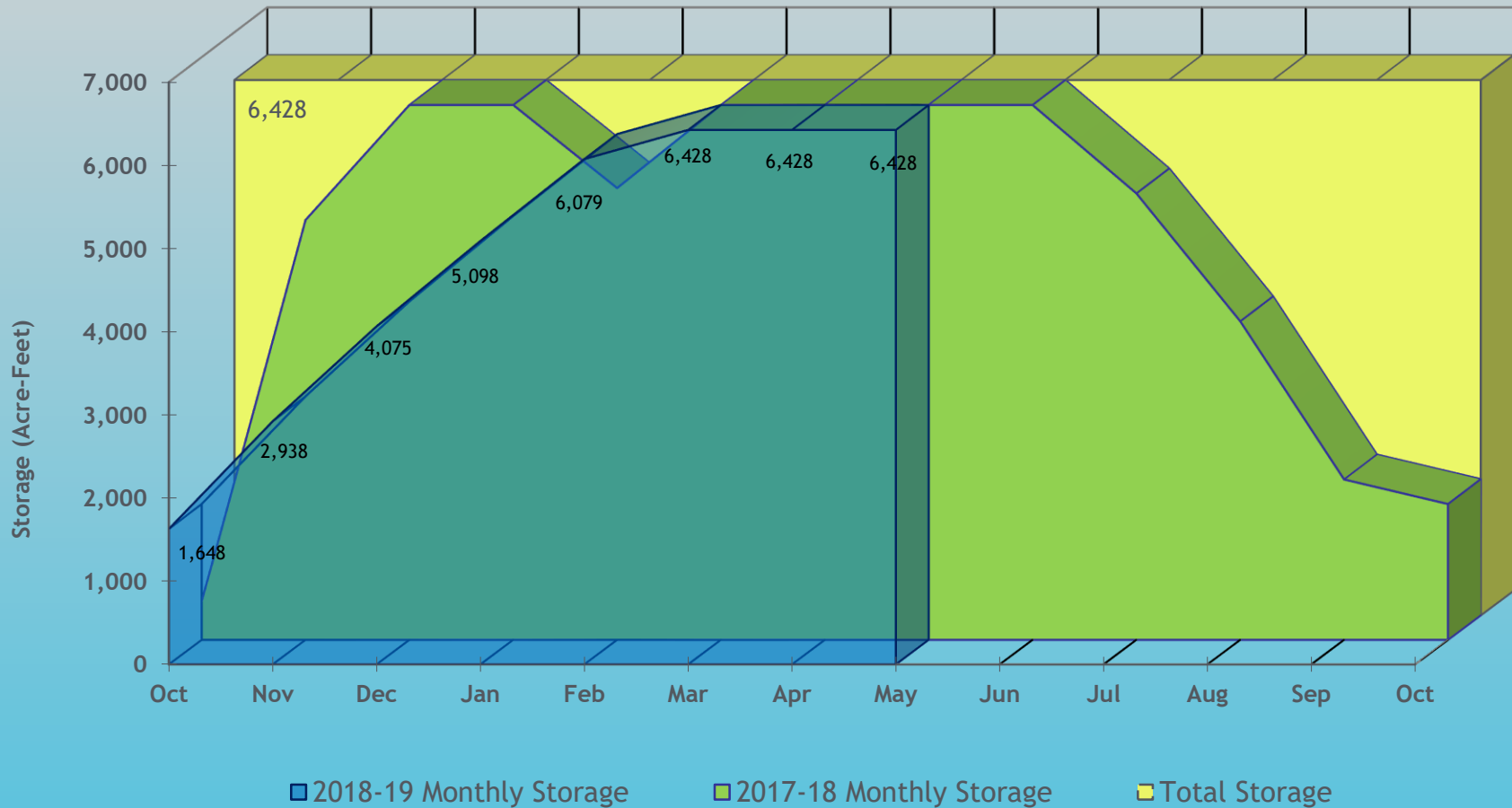


# Fossil Creek Reservoir (District 3, Poudre River - Agricultural)

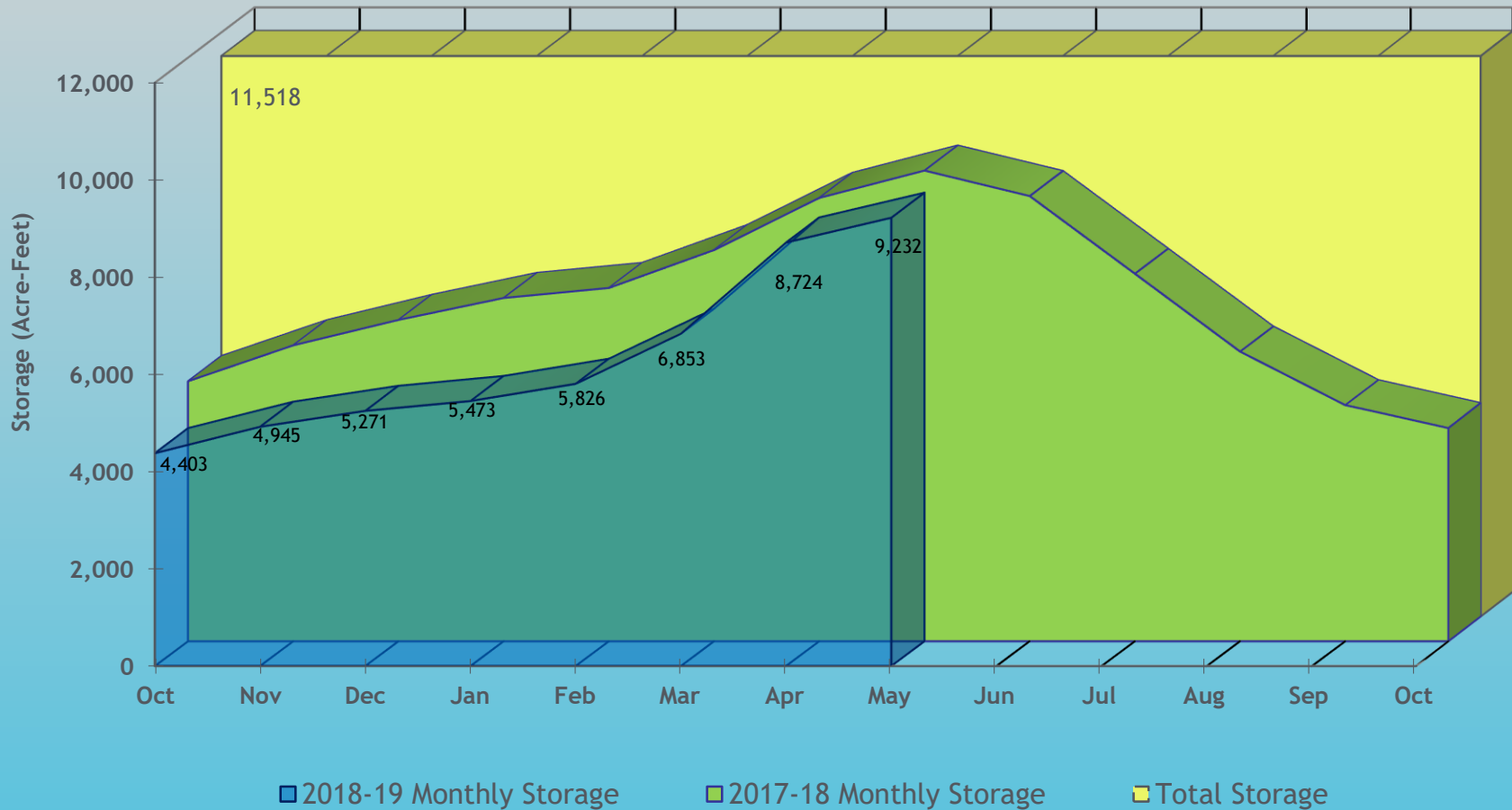




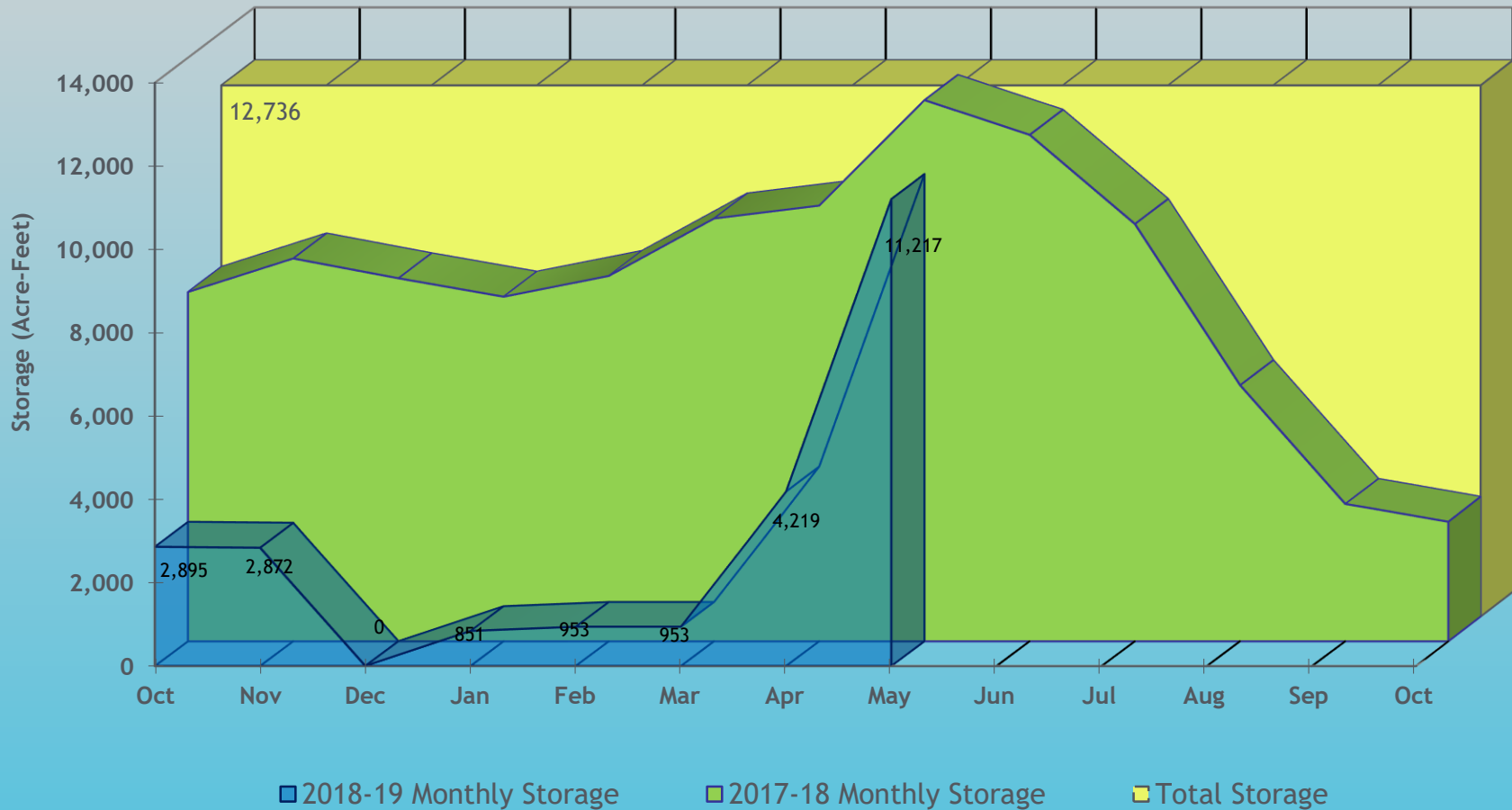
# Halligan Reservoir (District 3, Poudre River - Agricultural)



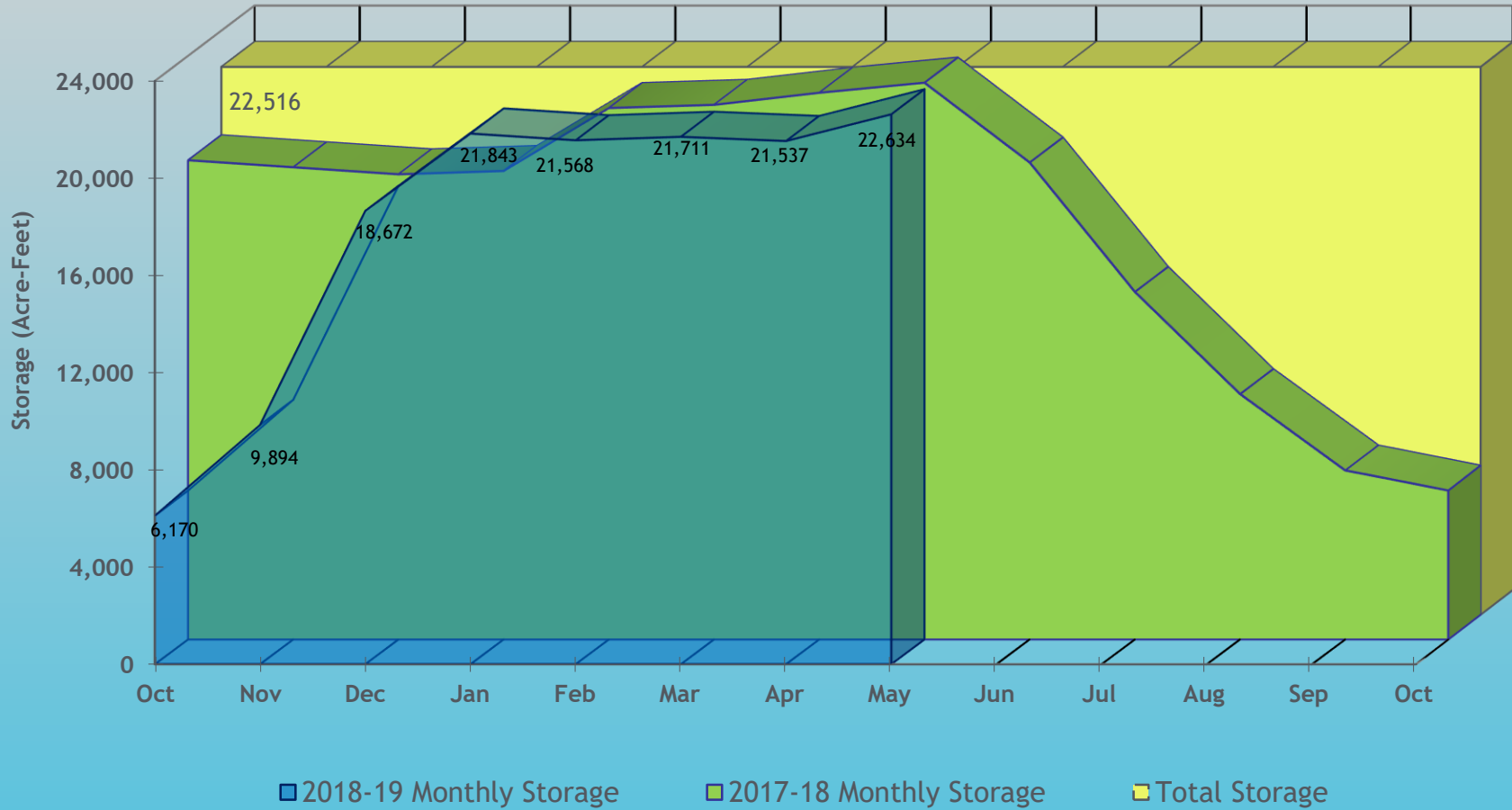
# Marshall Lake (District 6, Boulder Creek - Agricultural)



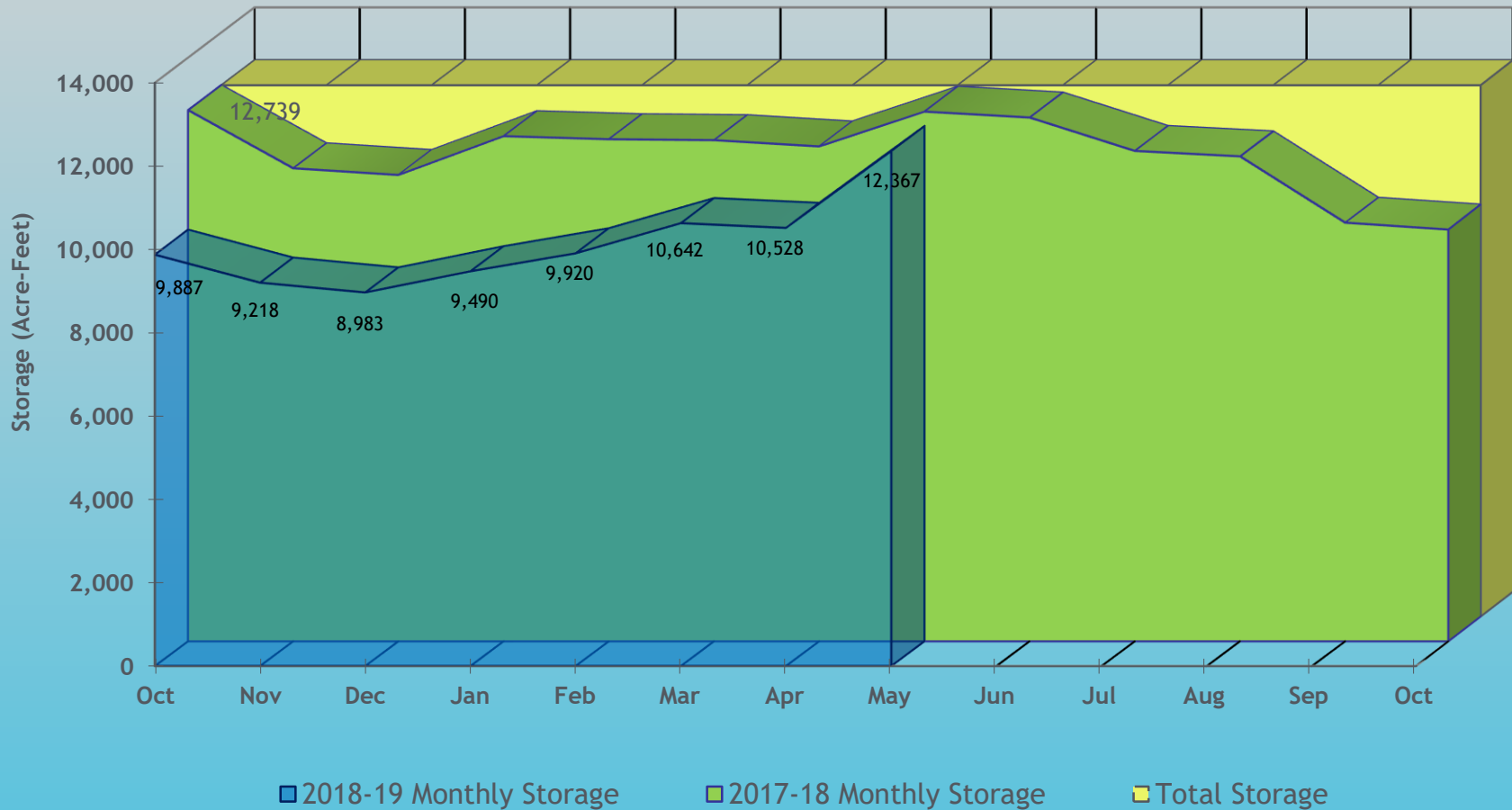
# Loveland Greeley Reservoir (District 4, Big Thompson River - Agricultural)



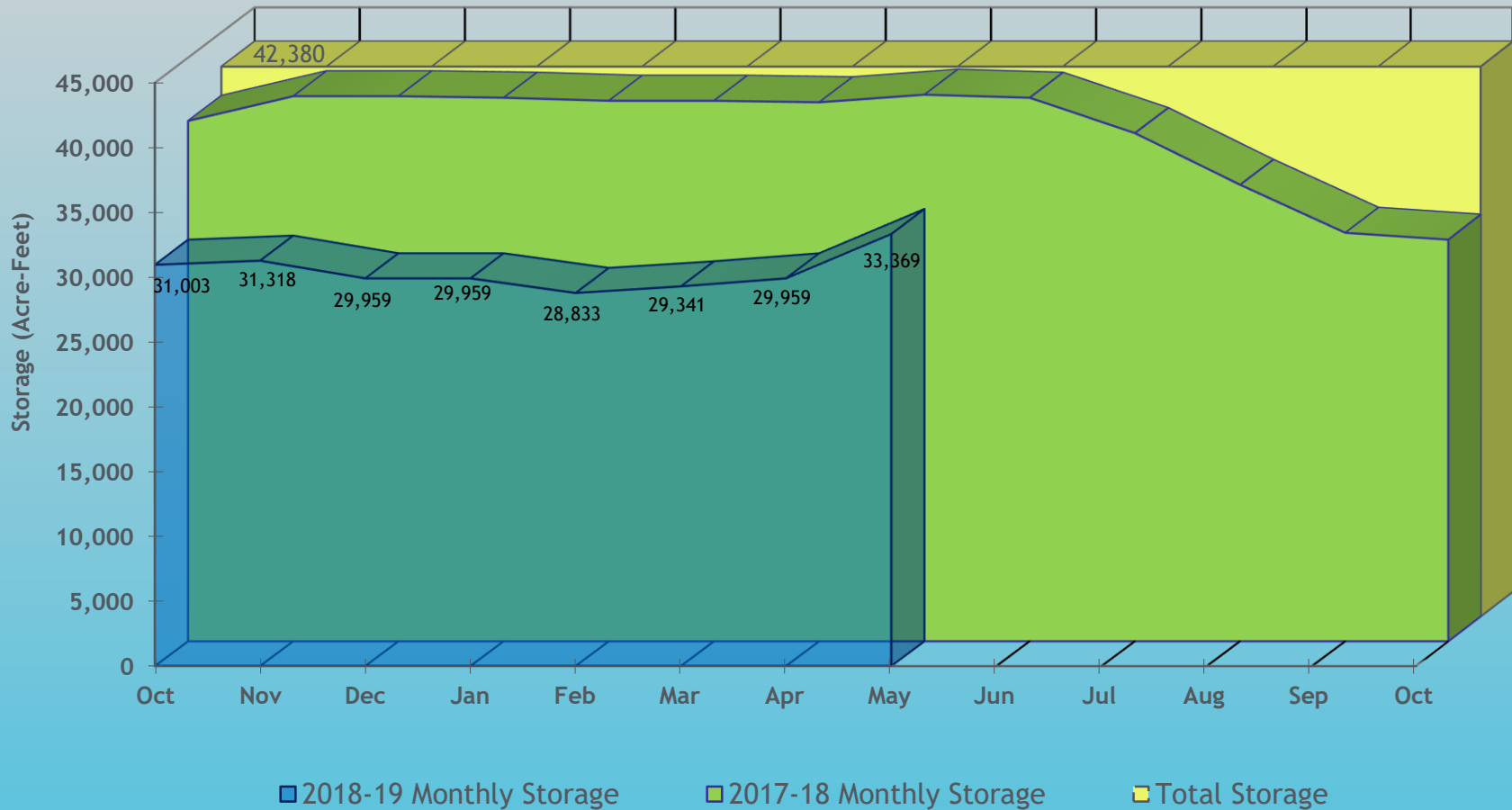
# Milton Reservoir (District 2 - Agricultural)



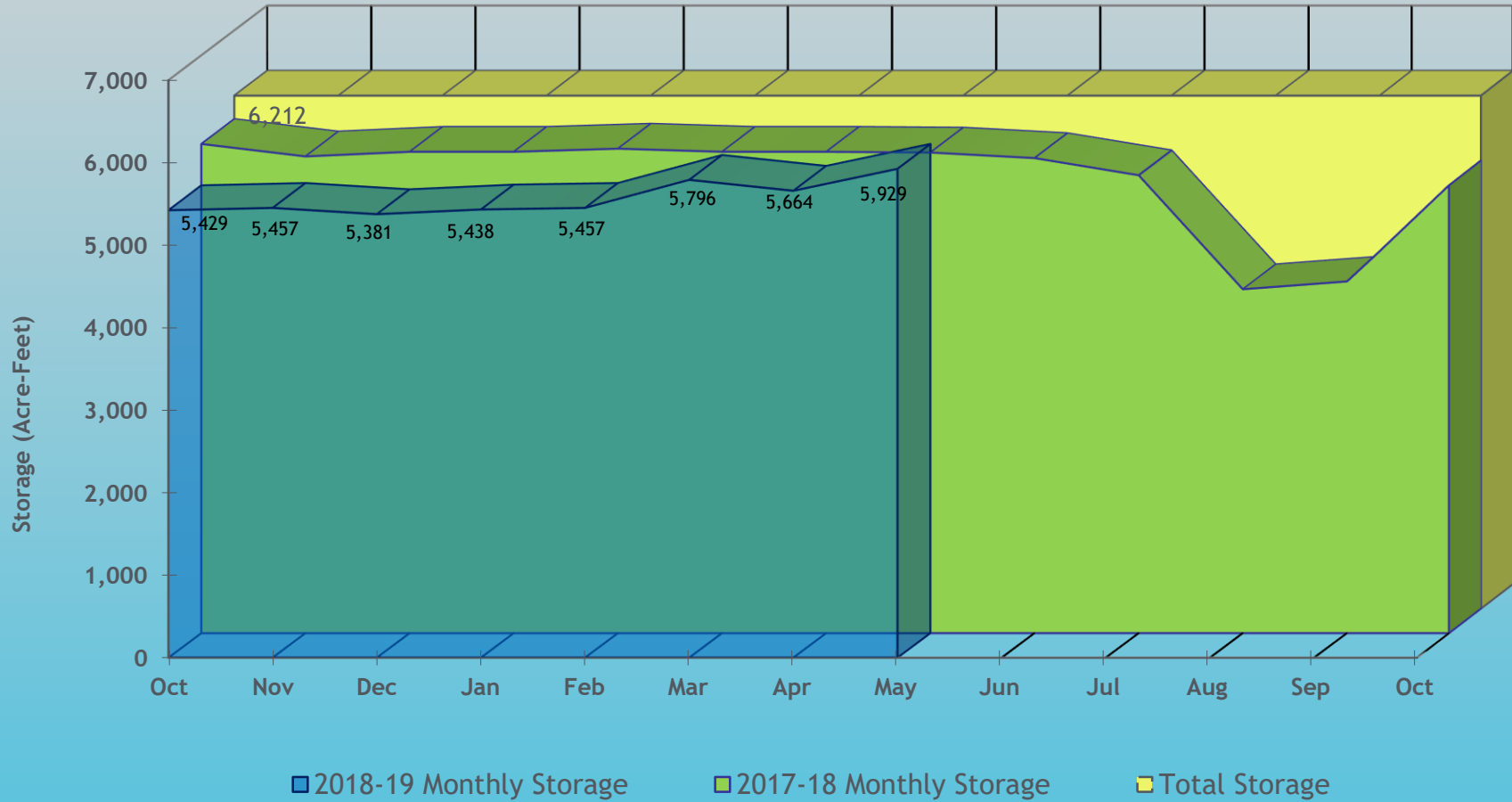
# Union Reservoir (District 5, St. Vrain Creek - Agricultural)



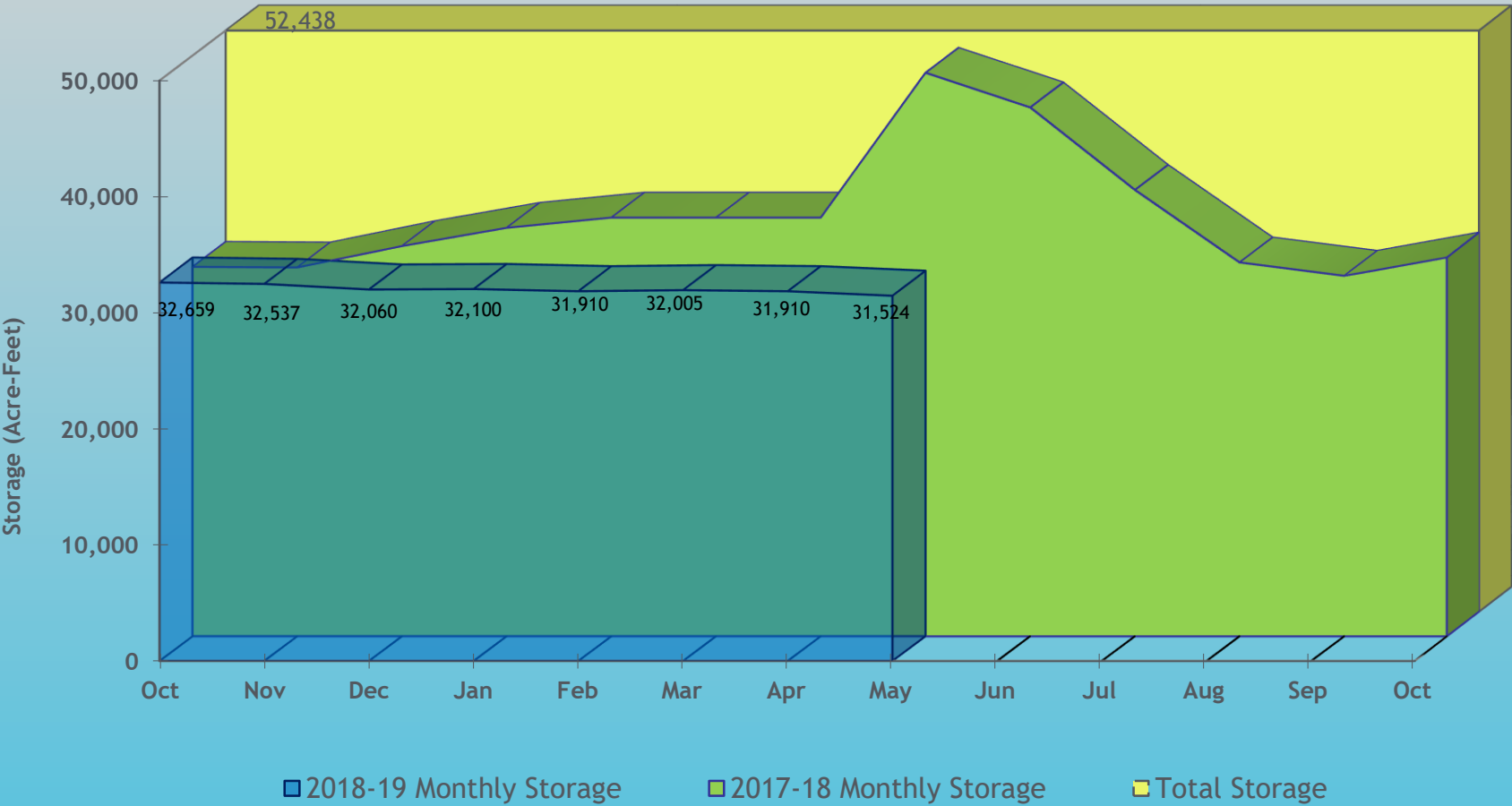
# Standley Lake (Agricultural)



# Lower Latham Reservoir (District 2 - Agricultural)

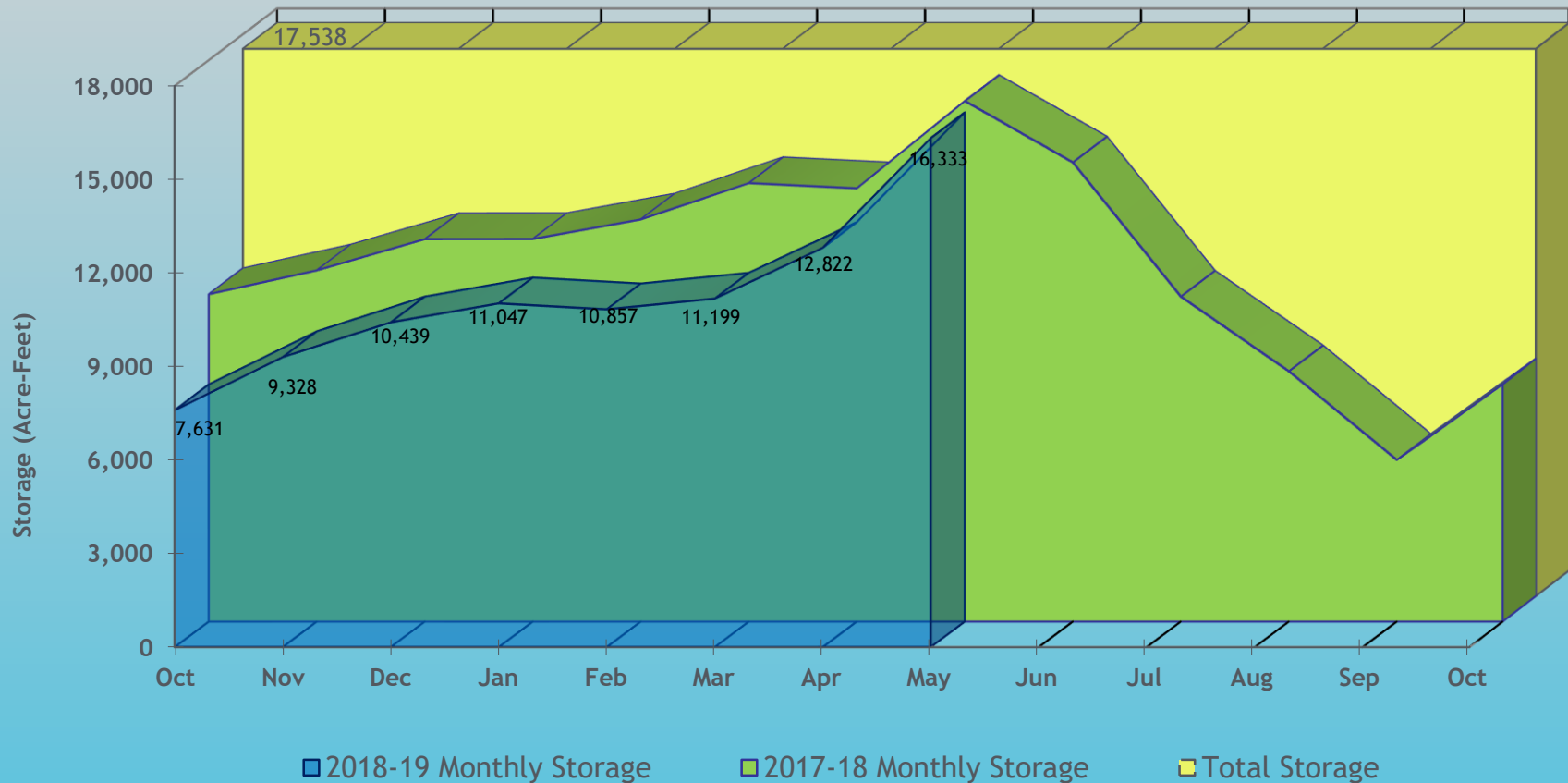


# Boyd Lake (District 4, Big Thompson River - Agricultural)

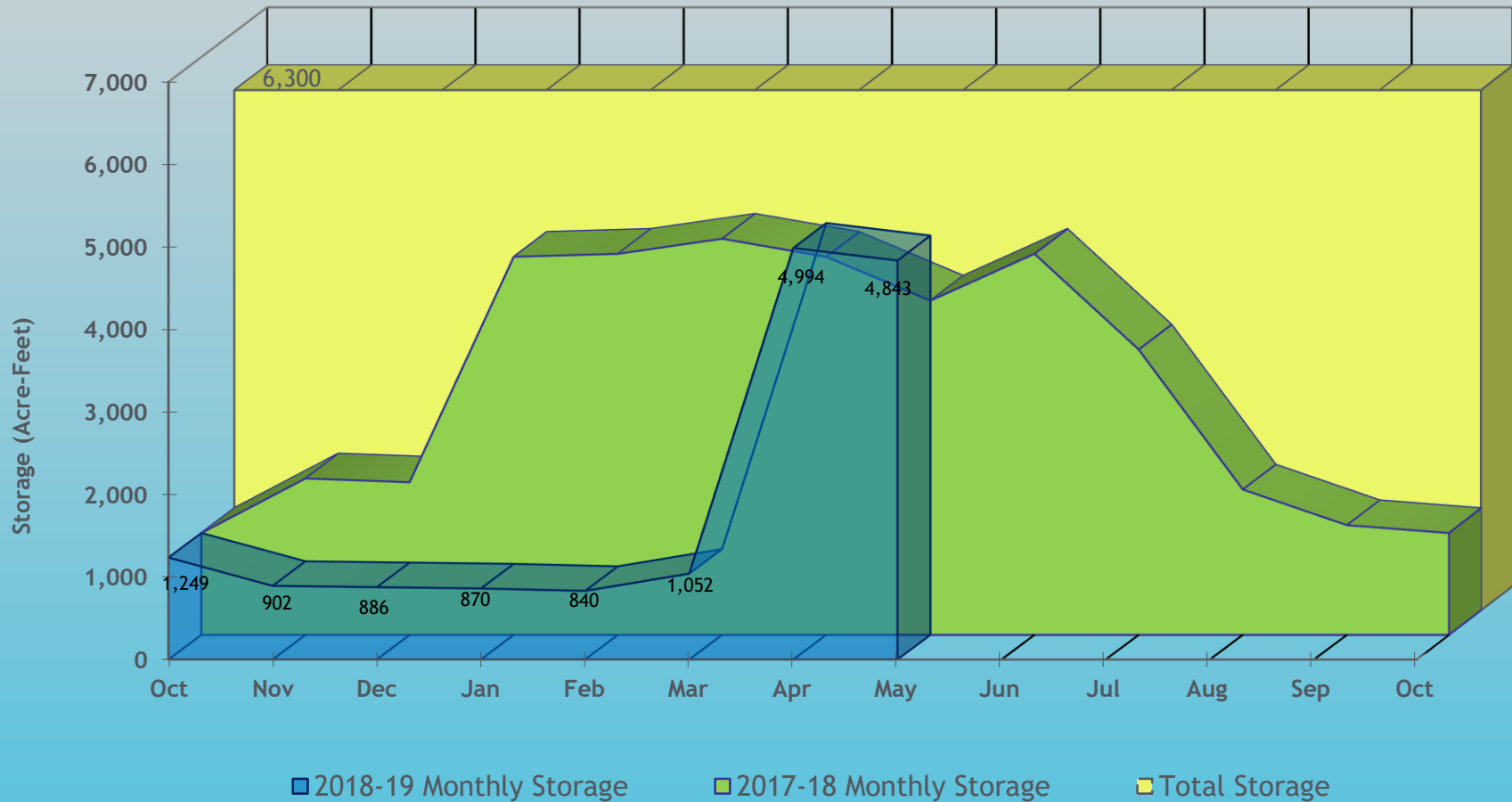




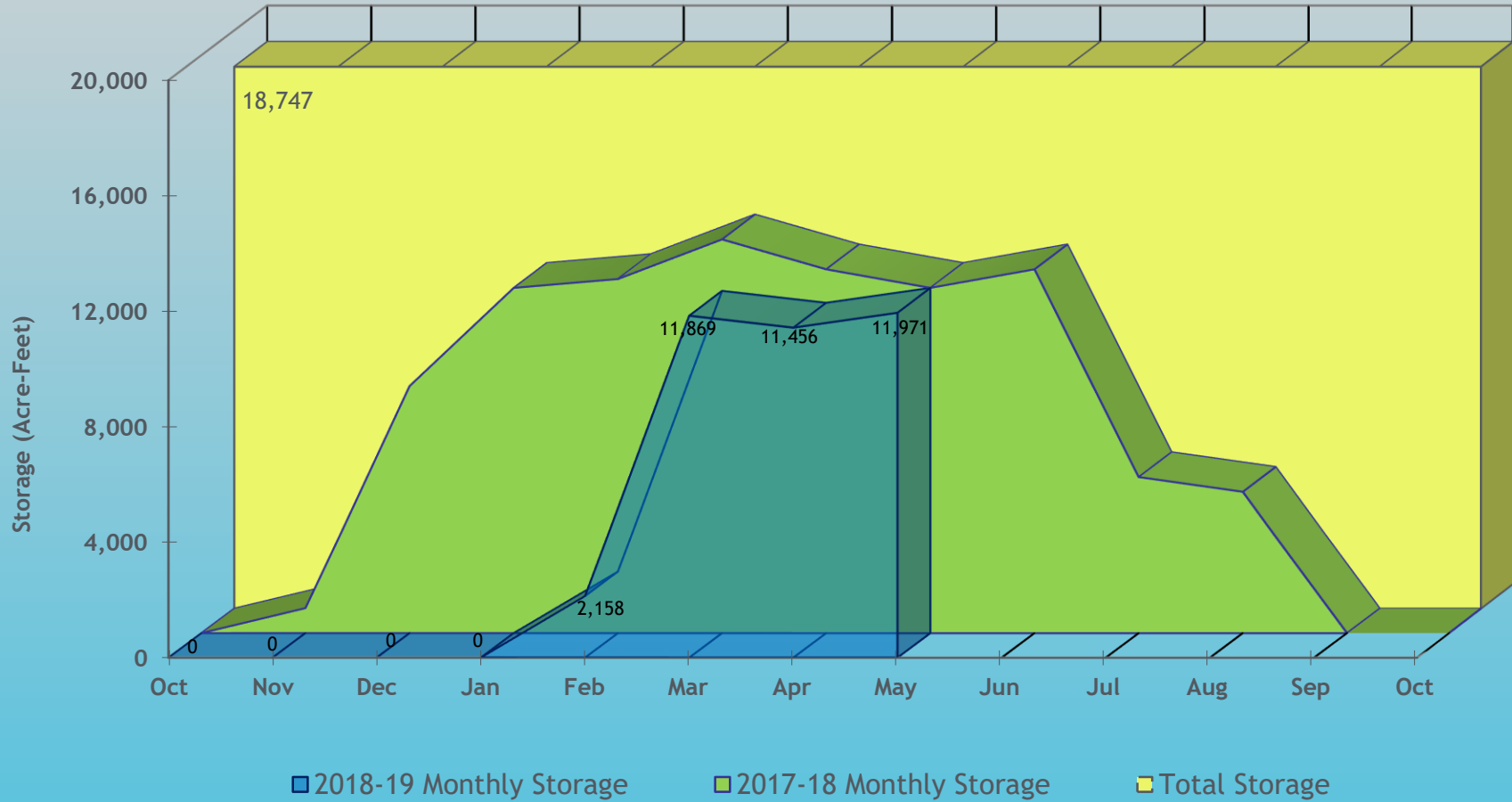
# Windsor Reservoir (District 3, Poudre River - Agricultural)



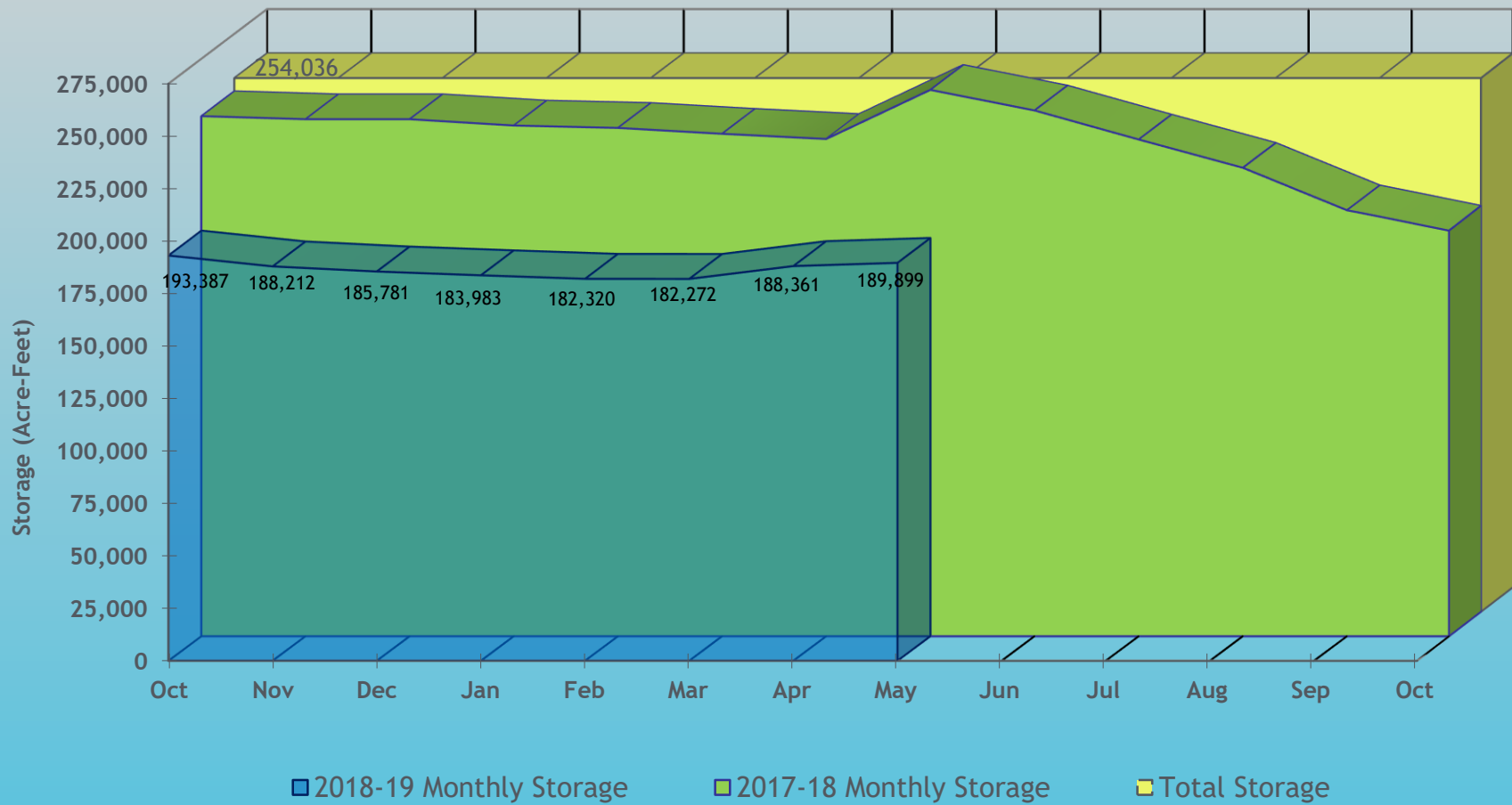
# Prospect Reservoir (District 1 - Agricultural)



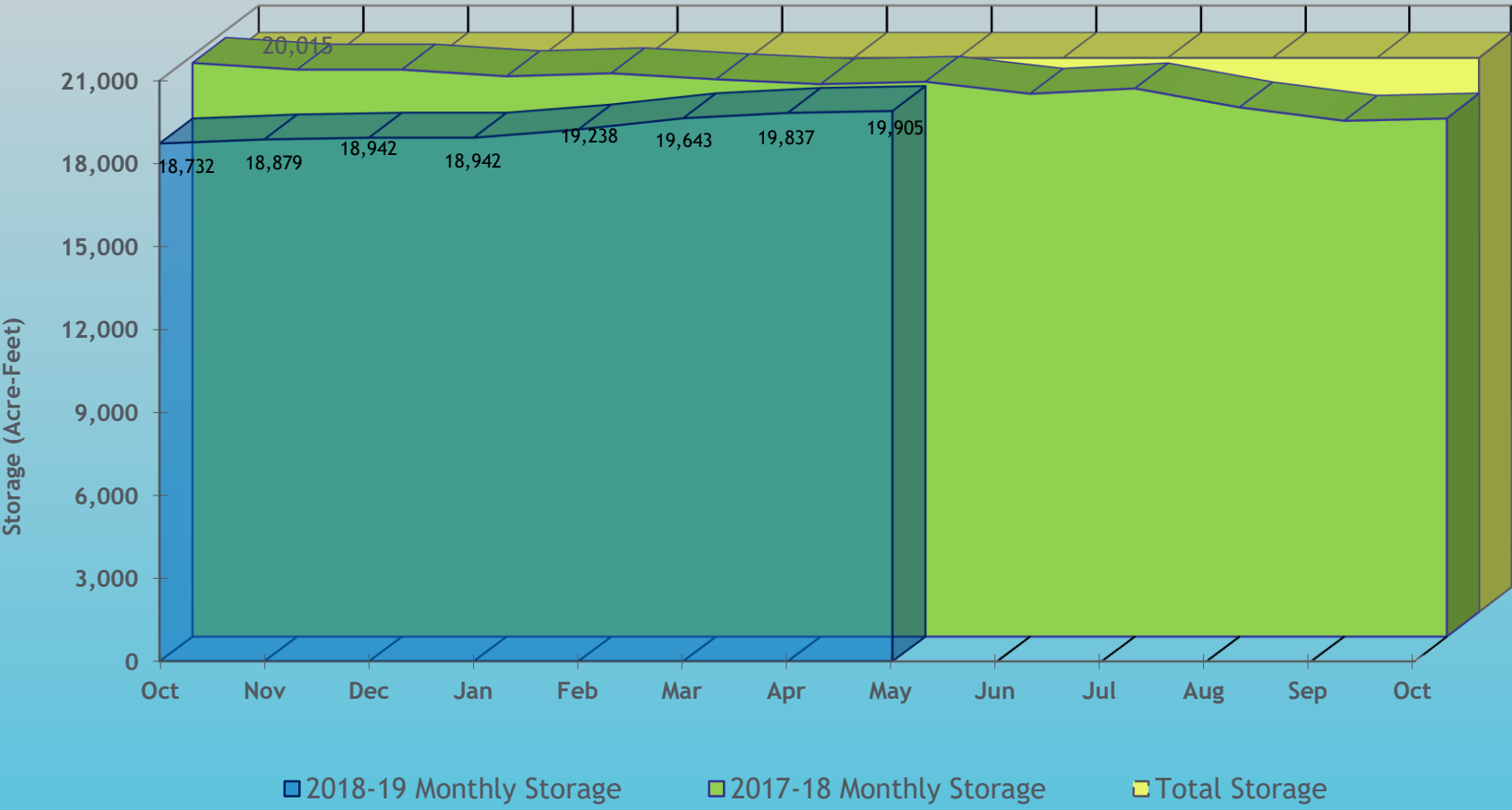
# Horse Creek Reservoir (District 1 - Agricultural)



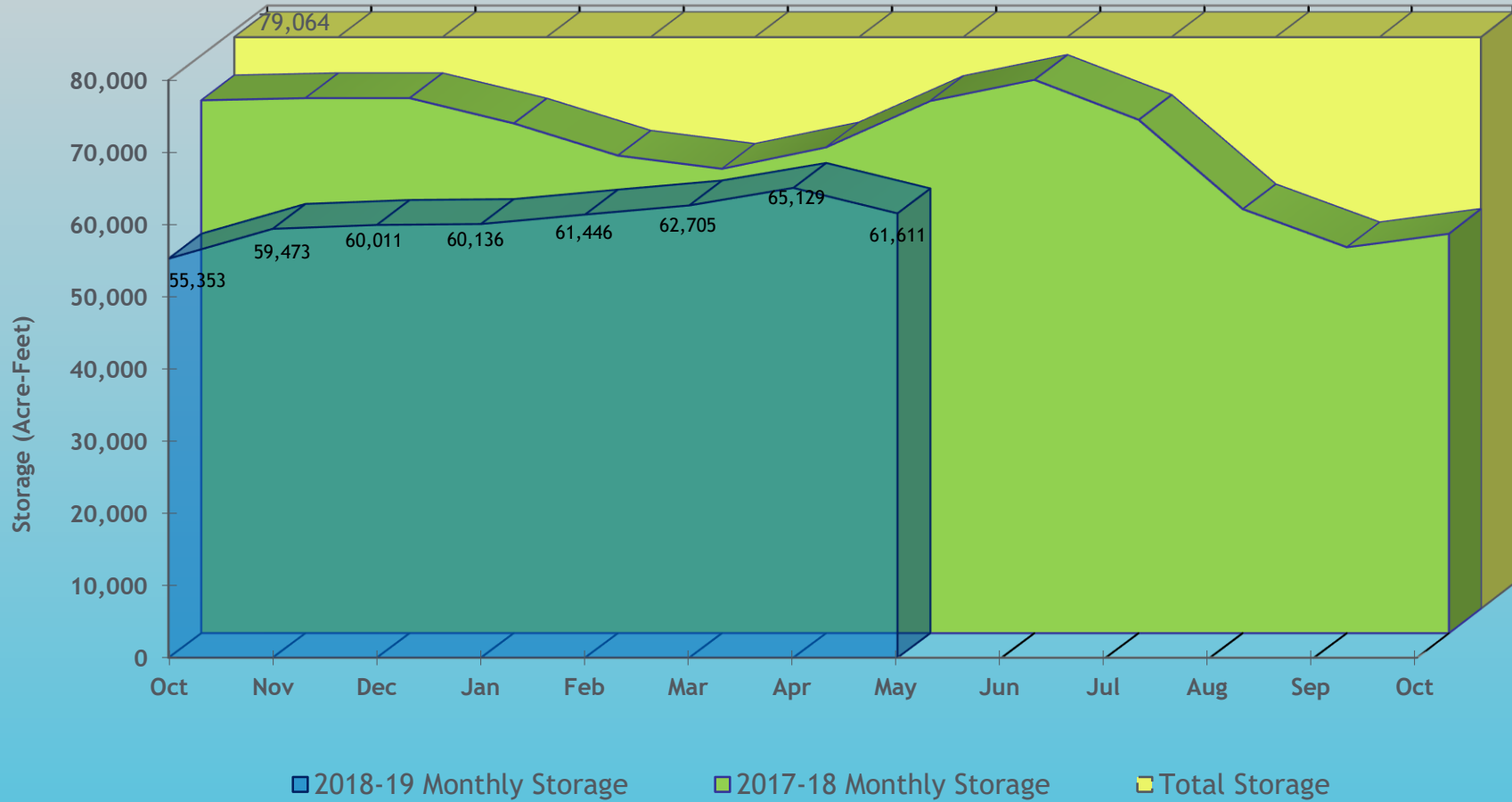
# Dillon Reservoir (District 1 - Municipal)



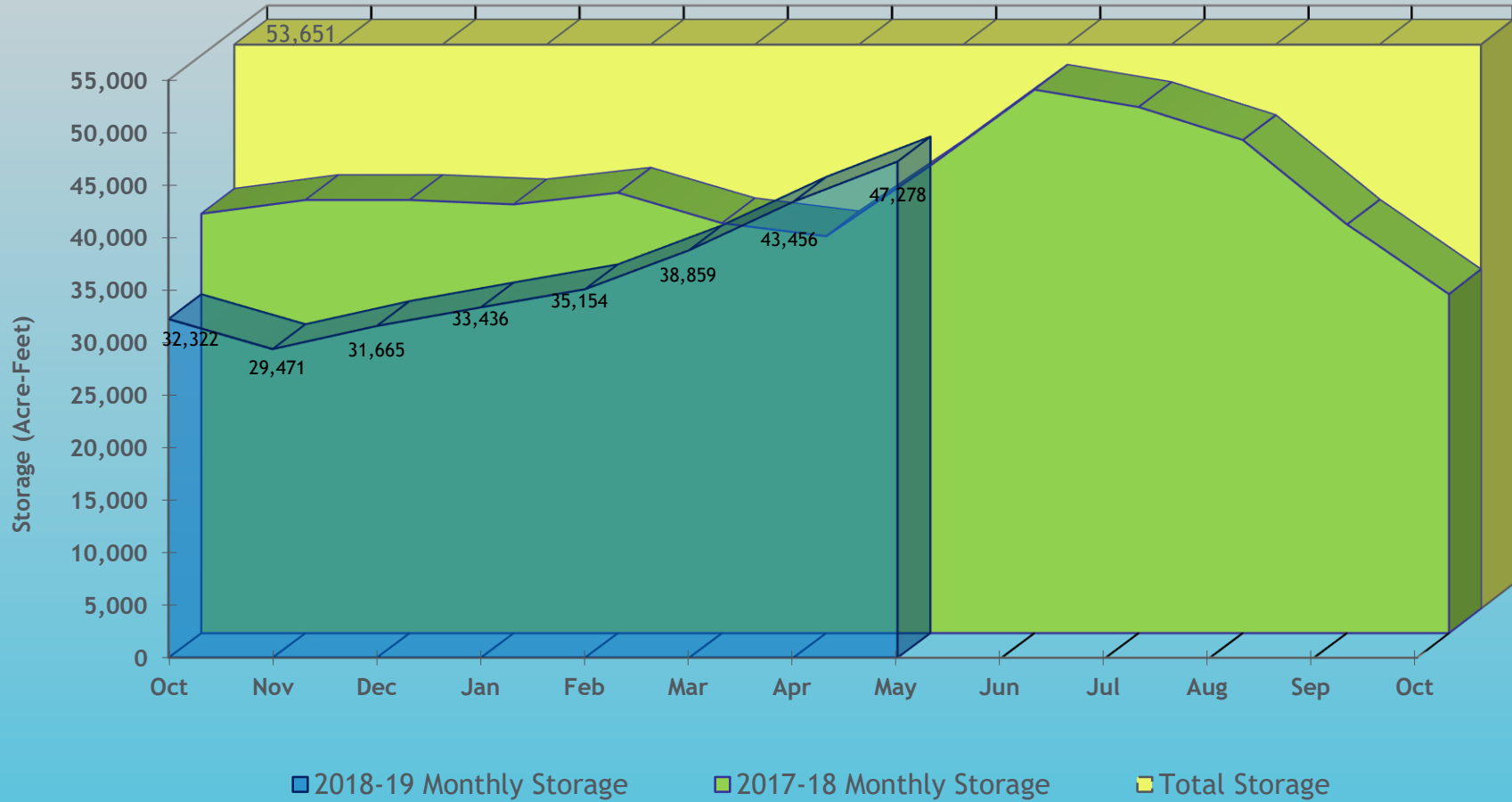
# Antero Reservoir (District 23 - Municipal)



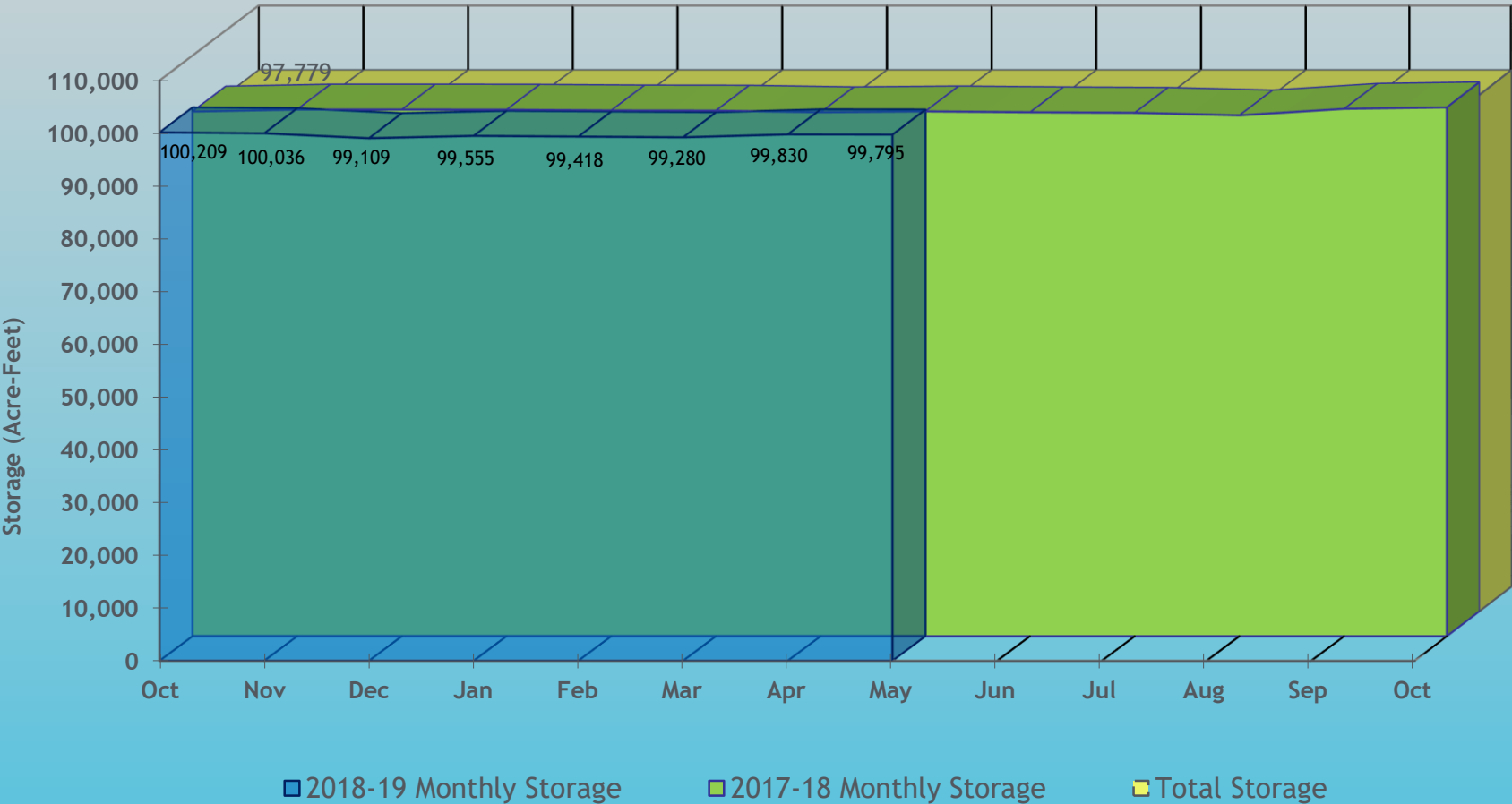
# Cheesman Reservoir (District 80 - Municipal)



# Spinney Mountain Reservoir (District 23 - Municipal)



# Eleven Mile Reservoir (District 23 - Municipal)





# Lake Granby

