



**COLORADO**  
Department of Natural Resources

## South Platte Summary October 2018

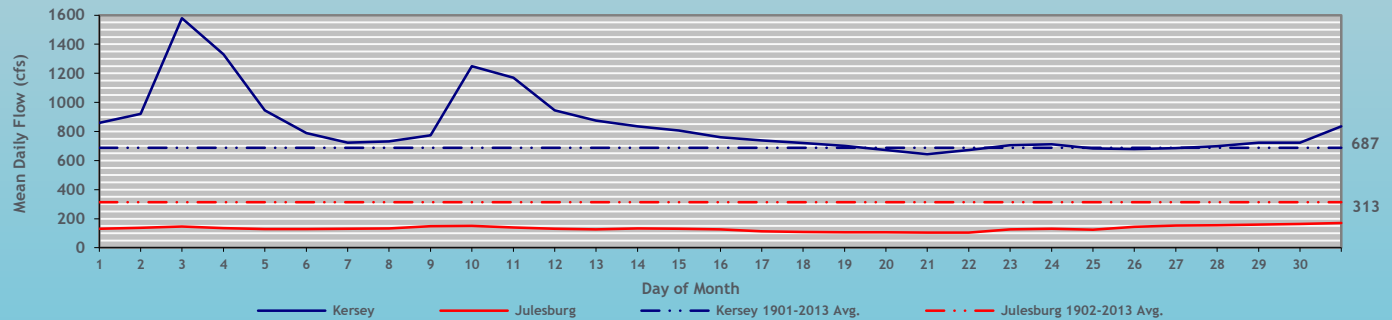
Compiled by Lee Cunning, P.E.

# COLORADO DIVISION OF WATER RESOURCES, DIVISION 1

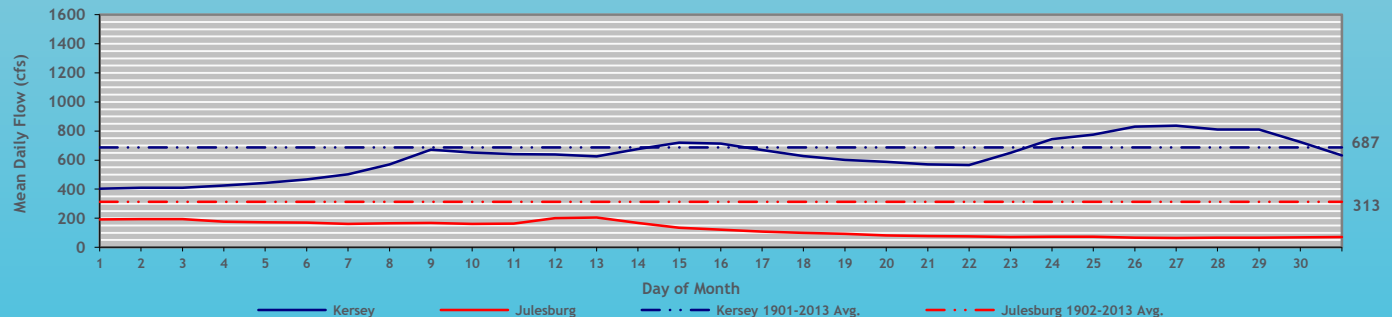
## MONTH OF October 2018

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	8,742	13,176	64	4,434	51%	58%	72%	0
N STERLING	73,730	11,030	16,020	64	4,990	45%	22%	20%	0
PREWITT	28,500	14,535	16,670	64	2,135	15%	58%	29%	0
JACKSON	27,257	13,074	19,496	1	6,422	49%	72%	70%	0
EMPIRE	37,700	4,168	2,407	1	-1,761	-42%	6%	60%	0
RIVERSIDE	63,113	10,116	12,638	1	2,522	25%	20%	20%	0
BARR LAKE	32,152	5,350	7,113	2	1,763	33%	22%	88%	0
CHEESMAN	79,064	53,493	55,353	80	1,860	3%	70%	93%	0
ELEVEN MILE	97,779	99,933	100,209	23	276	0%	100%	100%	2,430
SPINNEY	53,651	38,940	32,322	23	-6,618	-17%	60%	74%	0
ANTERO	20,015	18,648	18,732	23	84	0%	94%	100%	0

KERSEY and JULESBURG  
October 2017

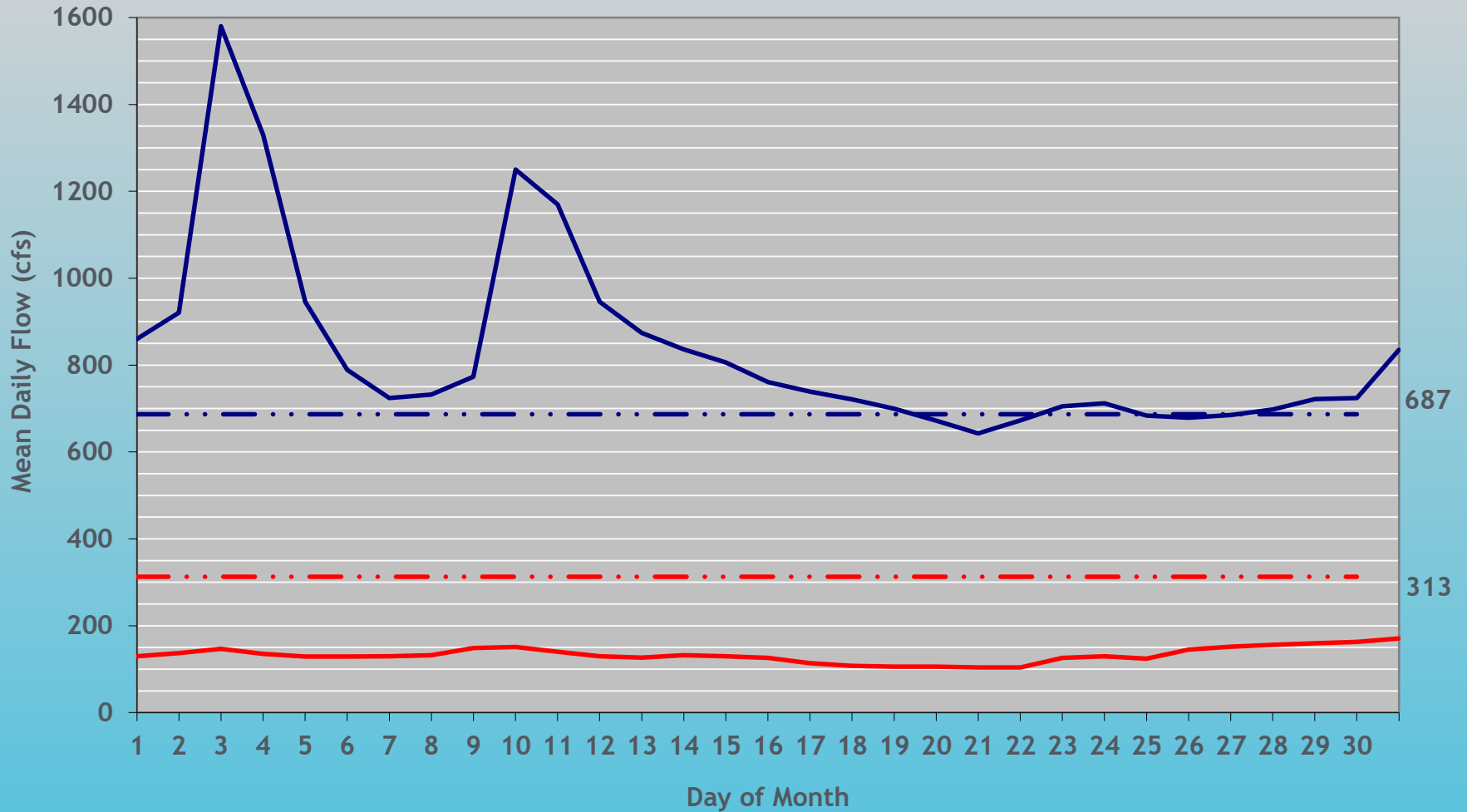


KERSEY and JULESBURG  
October 2018



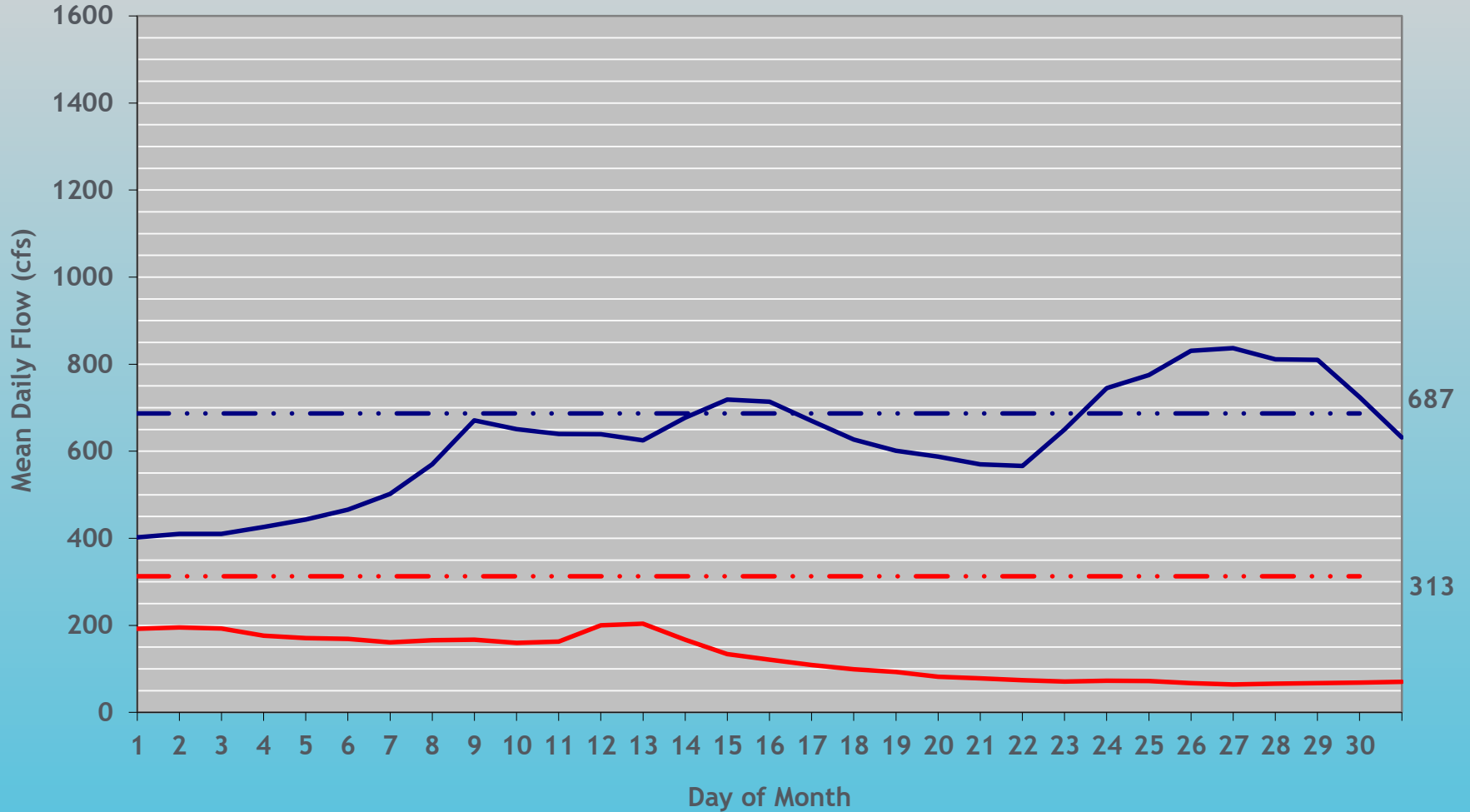
RIVER GAGES	MEAN DAILY FLOW (CFS)
<b>KERSEY</b>	<b>626</b>
<b>JULESBURG</b>	<b>126</b>
<b>THIS MONTH LAST YEAR</b>	
<b>KERSEY</b>	<b>835</b>
<b>JULESBURG</b>	<b>133</b>
<b>MEAN FOR PERIOD OF RECORD*</b>	
<b>KERSEY</b>	<b>687</b>
<b>JULESBURG</b>	<b>313</b>

# KERSEY and JULESBURG October 2017



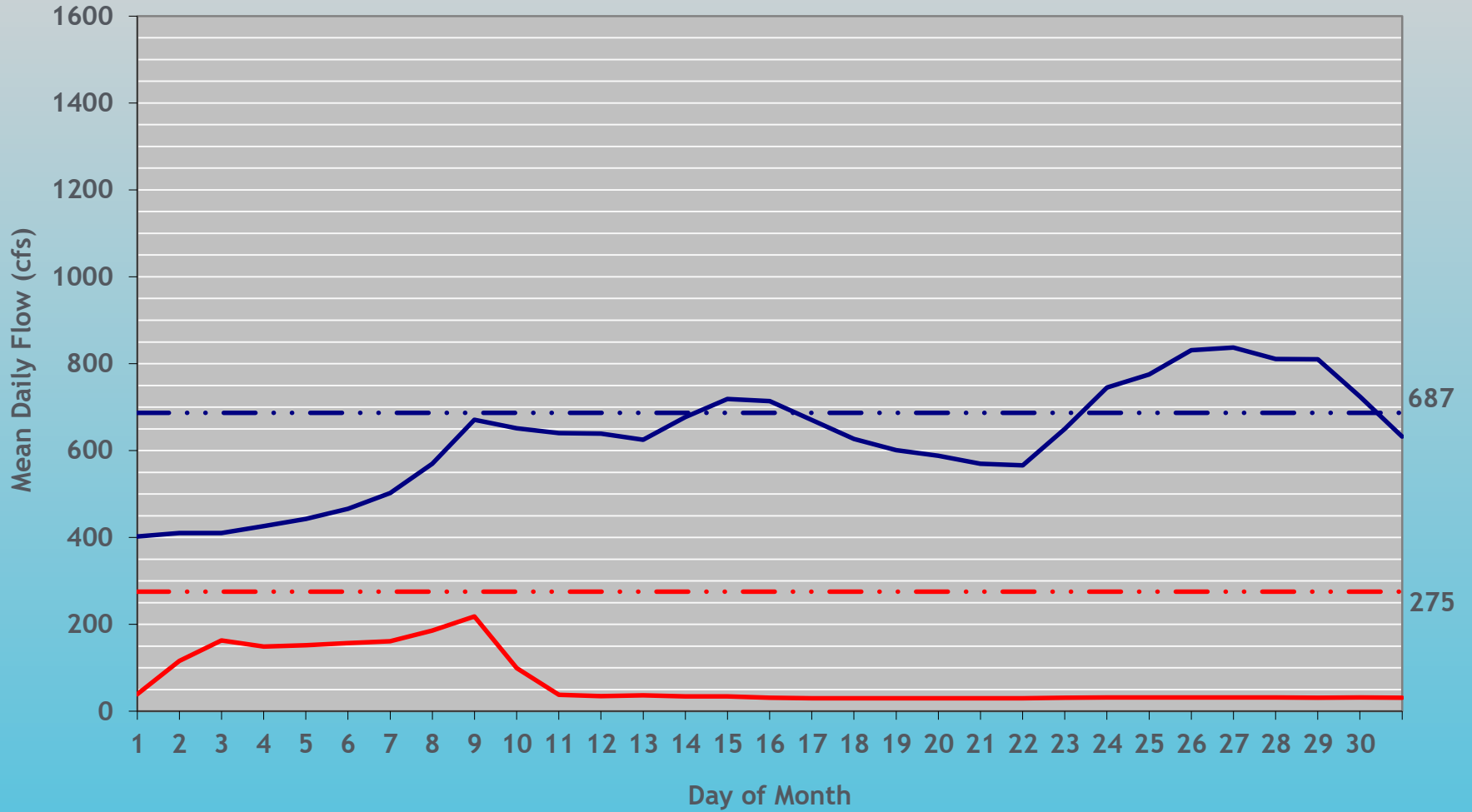
— Kersey — Julesburg — • Kersey 1901-2013 Avg. — • Julesburg 1902-2013 Avg.

# KERSEY and JULESBURG October 2018



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

# KERSEY and BALZAC October 2018



— Kersey

— Balzac

· Kersey 1901-2013 Avg.

· Balzac 1917-2013 Avg.

## South Platte River Monthly Stream Flow (cfs) Statistics

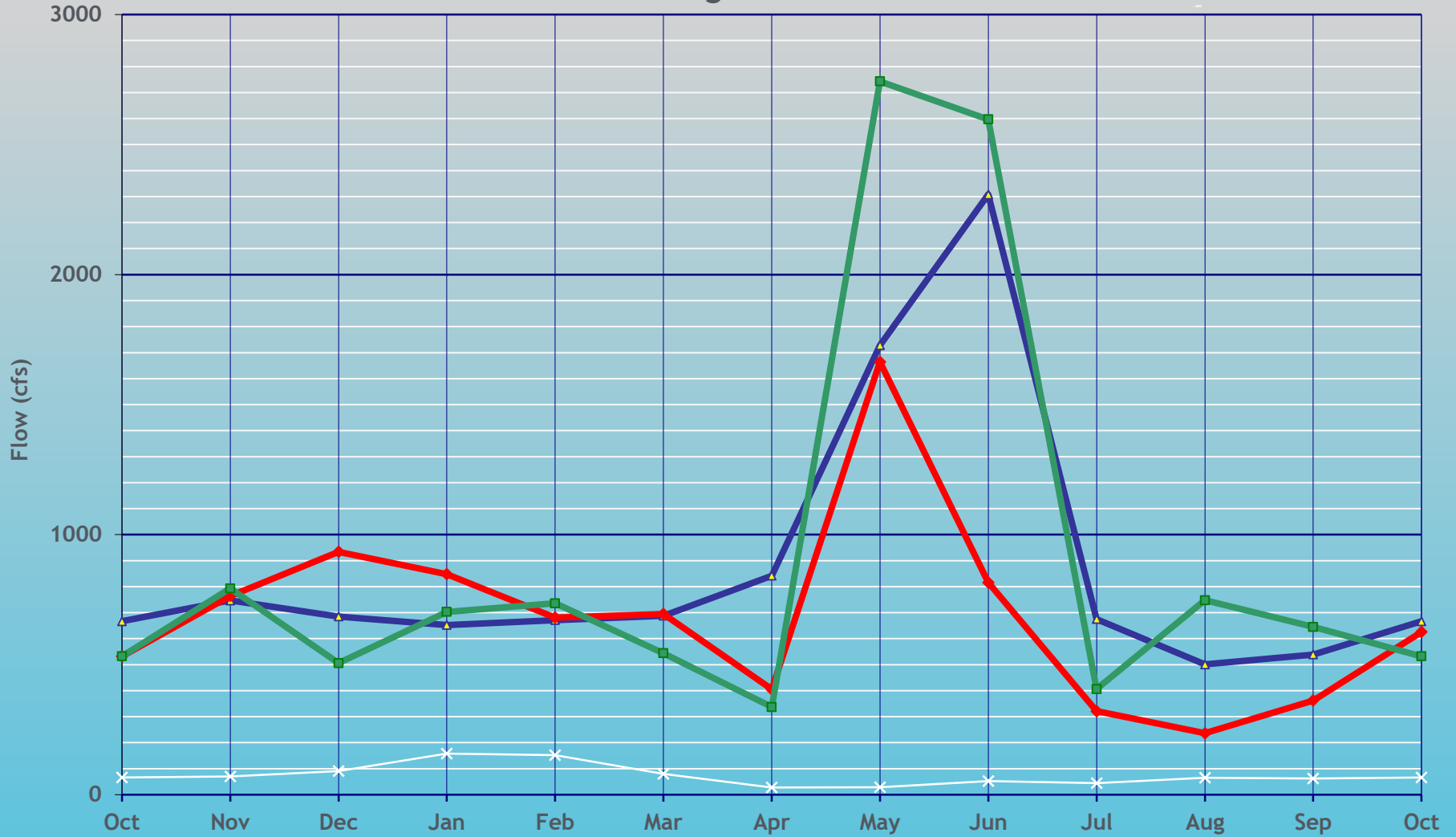
South Platte River at Kersey							South Platte River at Julesburg						
Month	Historic* Mean Flow	Historic* Max Flow	Year	Historic* Min Flow	Year	IY 2018 Mean Monthly Flow	Month	Historic* Mean Flow	Historic* Max Flow	Year	Historic* Min Flow	Year	IY 2018 Mean Monthly Flow
Oct	667	6180	1984	66	1954	532	Oct	299	3130	1984	4.2	1903	134
Nov	747	3650	1984	70	1934	764	Nov	335	2900	1984	4.2	1903	347
Dec	685	1890	1961	91	1934	934	Dec	401	1820	1984	13	2002	383
Jan	652	2160	1974	158	1935	848	Jan	512	2510	1970	21	2003	887
Feb	671	3060	1914	152	1935	681	Feb	578	3220	1930	29	2005	591
Mar	688	3470	1983	80	1935	695	Mar	512	12900	1910	15	1904	174
Apr	842	18100	1942	28	1955	405	Apr	514	14400	1942	4.0	1904	63
May	1728	26100	1973	29	1955	1664	May	994	18100	1973	12	1911	672
Jun	2308	31000	1921	52	1954	816	Jun	1426	30800	1921	2.0	1910	307
Jul	675	12600	1983	44	1955	321	Jul	311	12600	1983	0.0	1903	113
Aug	501	9690	1951	65	1934	236	Aug	178	8920	1968	0.0	1903	145
Sep	539	14200	1938	62	1940	362	Sep	284	7130	1938	2.0	1902	125
Oct	667	6180	1984	66	1954	626	Oct	299	3130	1984	4.2	1903	126

\*Period of record 1902-2016

\*Period of record 1902-2016

# South Platte River at Kersey

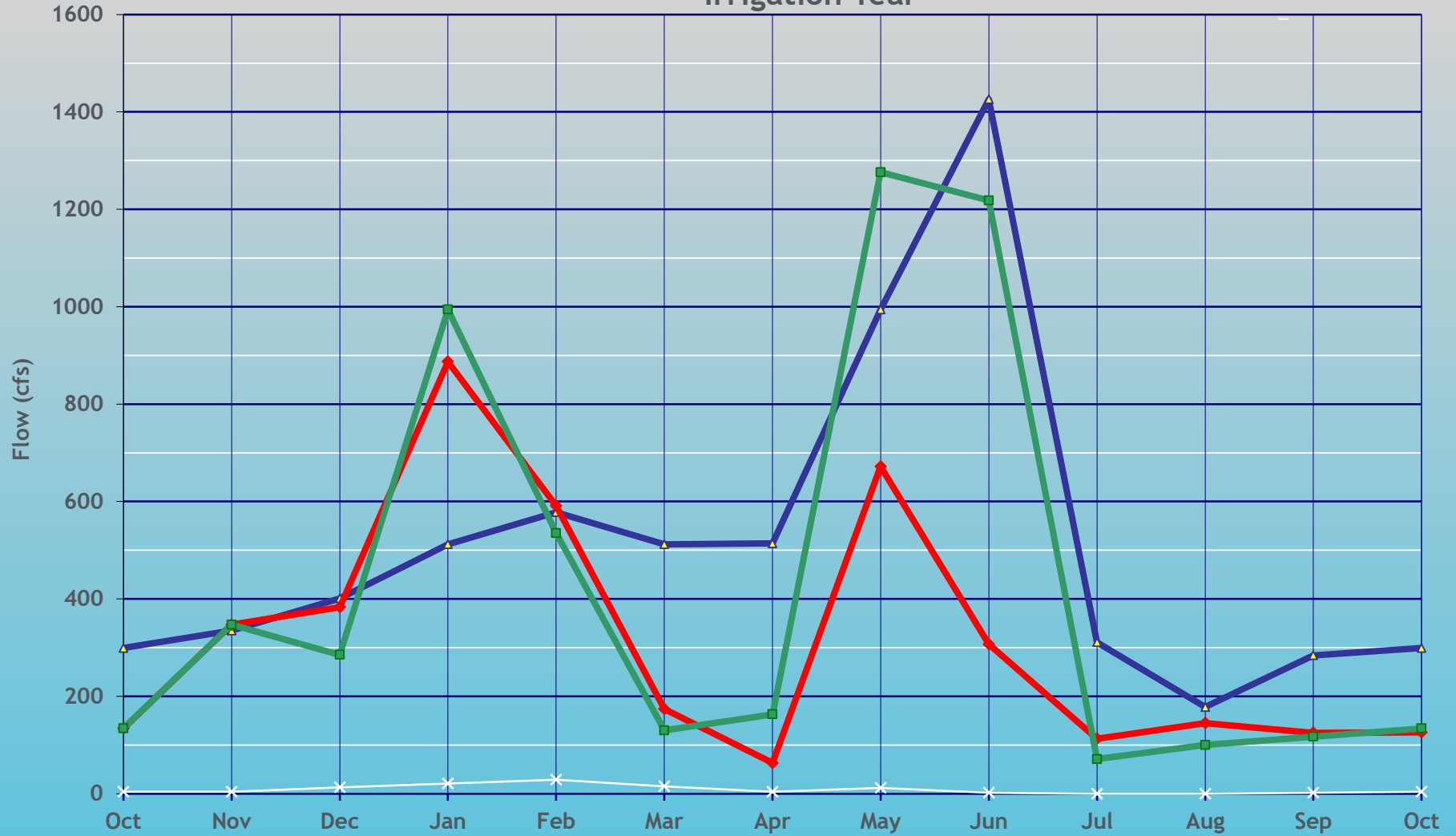
Irrigation Year



▲ Historic\* Mean Flow \*1901-2016    × Historic\* Min Flow    ◆ 2017-2018 Mean Flow    ■ 2016-2017 Mean Flow

# South Platte River at Julesburg

Irrigation Year



Historic\* Mean Flow    Historic\* Min Flow    2017-2018 Mean Flow    2016-2017 Mean Flow

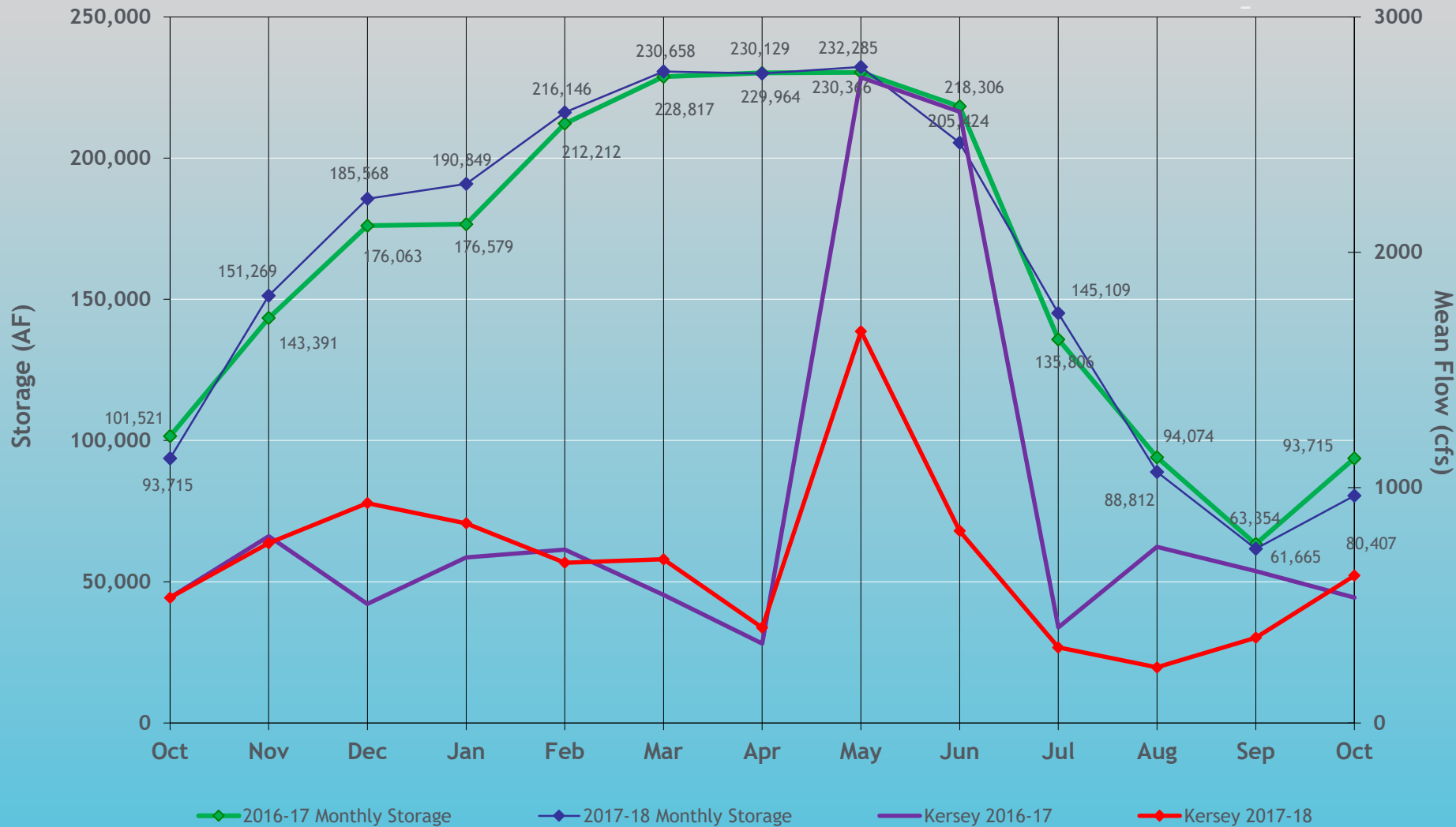
\*1901-2016





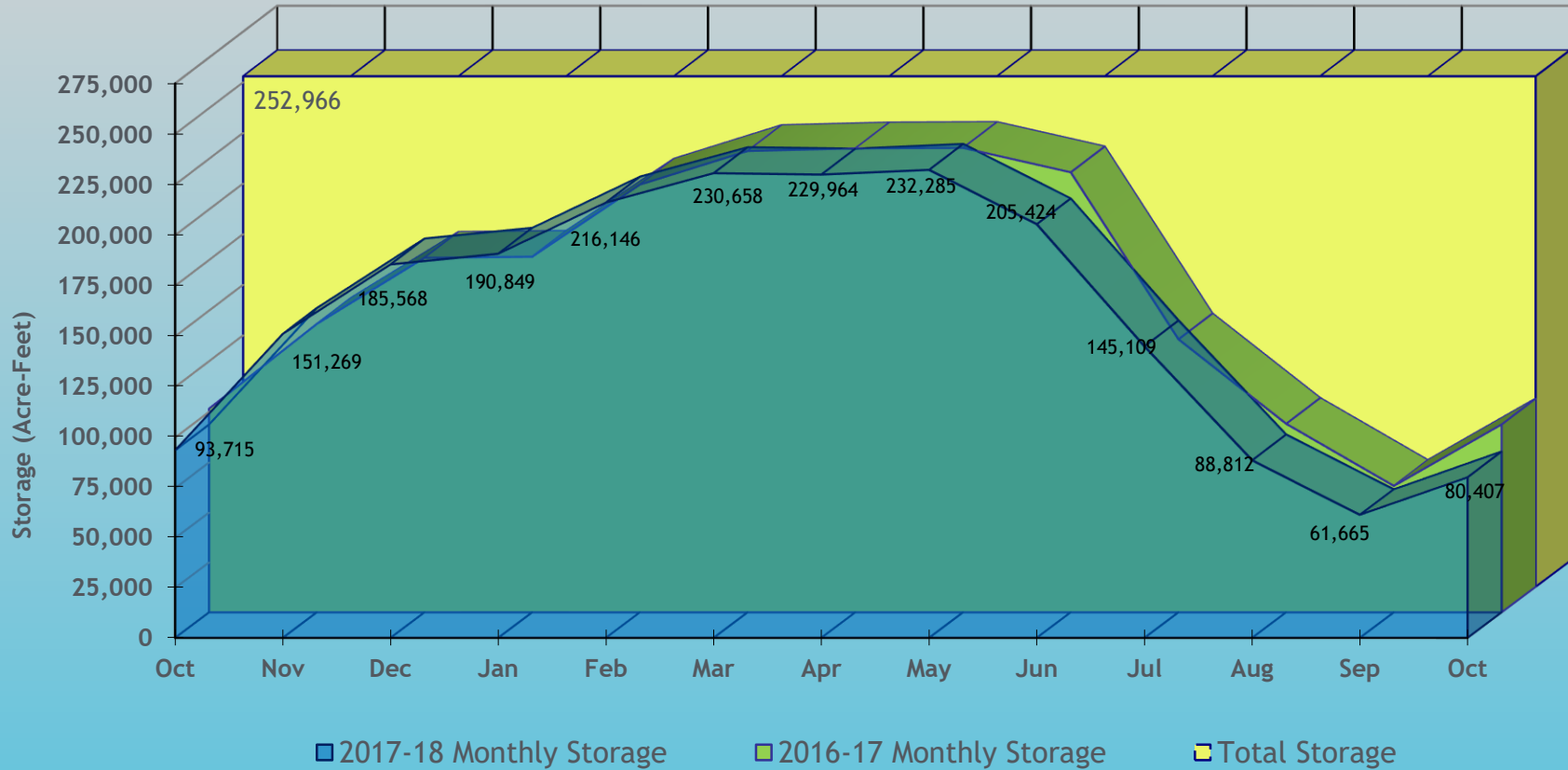
# Reservoir Storage below Kersey

Selected Reservoirs\*



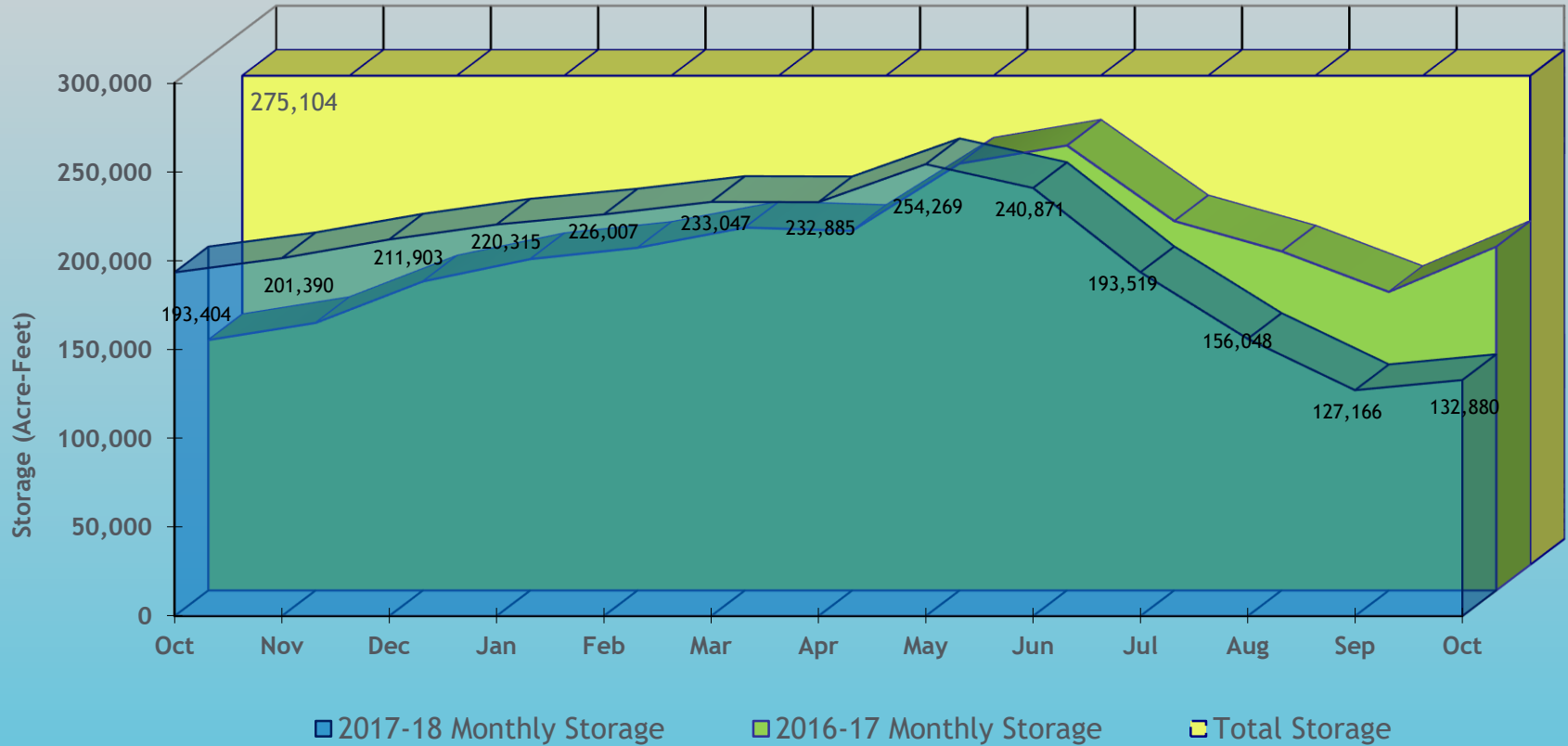
\*Empire, Riverside, Jackson, Prewitt, North Sterling, & Julesburg

# South Platte Reservoir Storage below Kersey\*



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

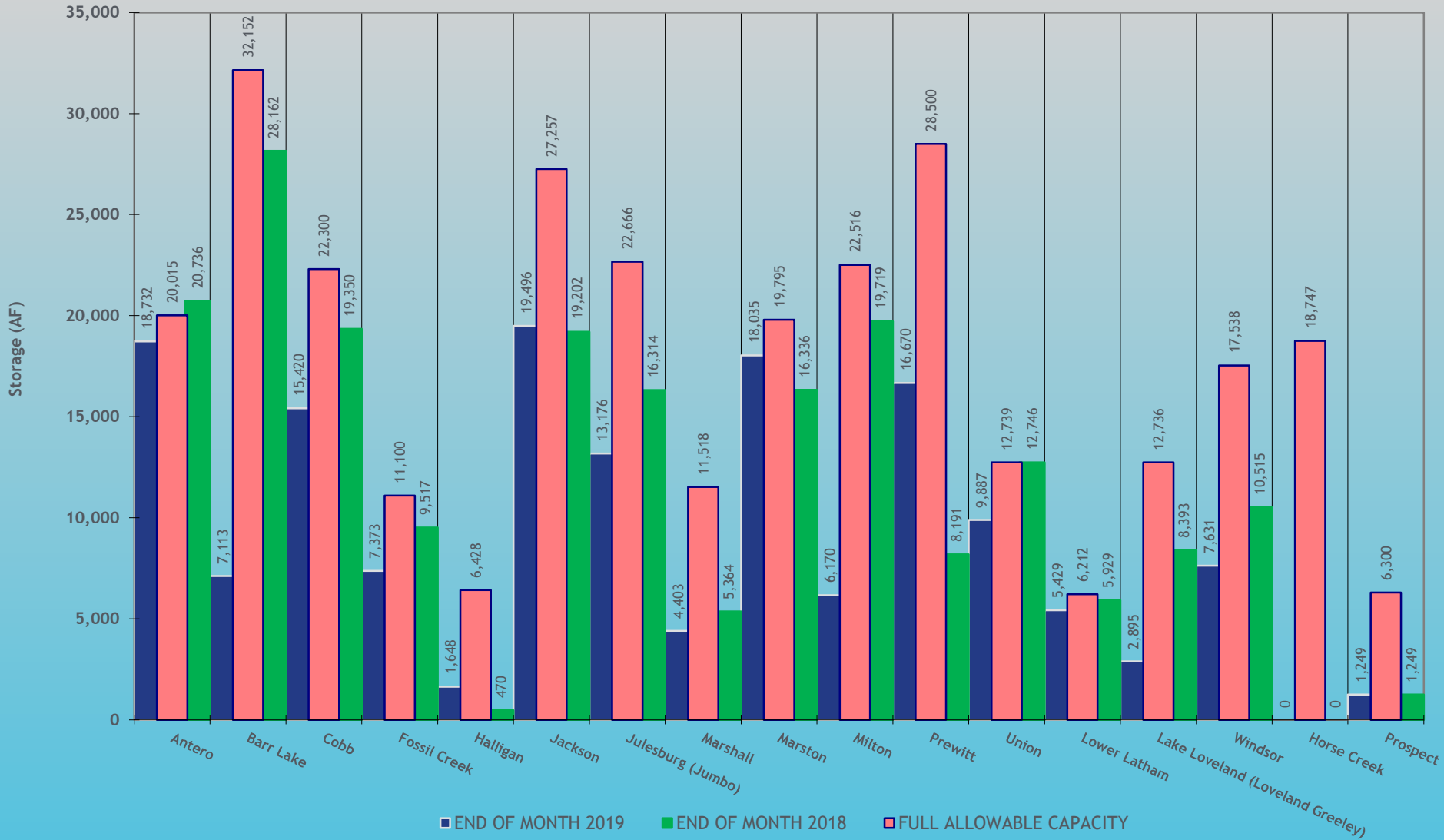
# South Platte Reservoir Storage above Kersey\*



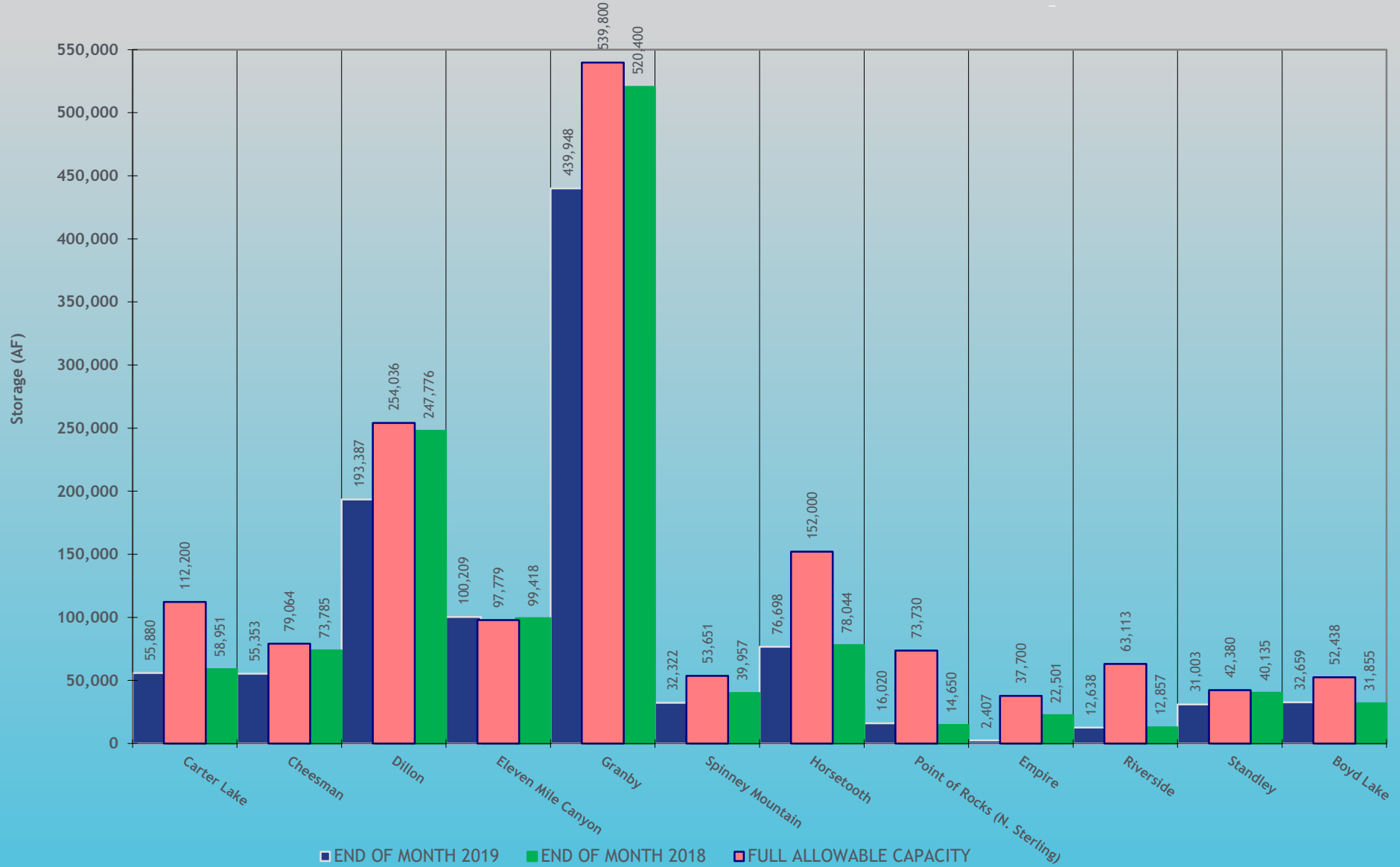
\*Barr, Cobb, Fossil Crk, Halligan, Marshall, Milton, Union, Standley, Lower Latham, Boyd, Loveland, Windsor, Horse Crk, & Prospect



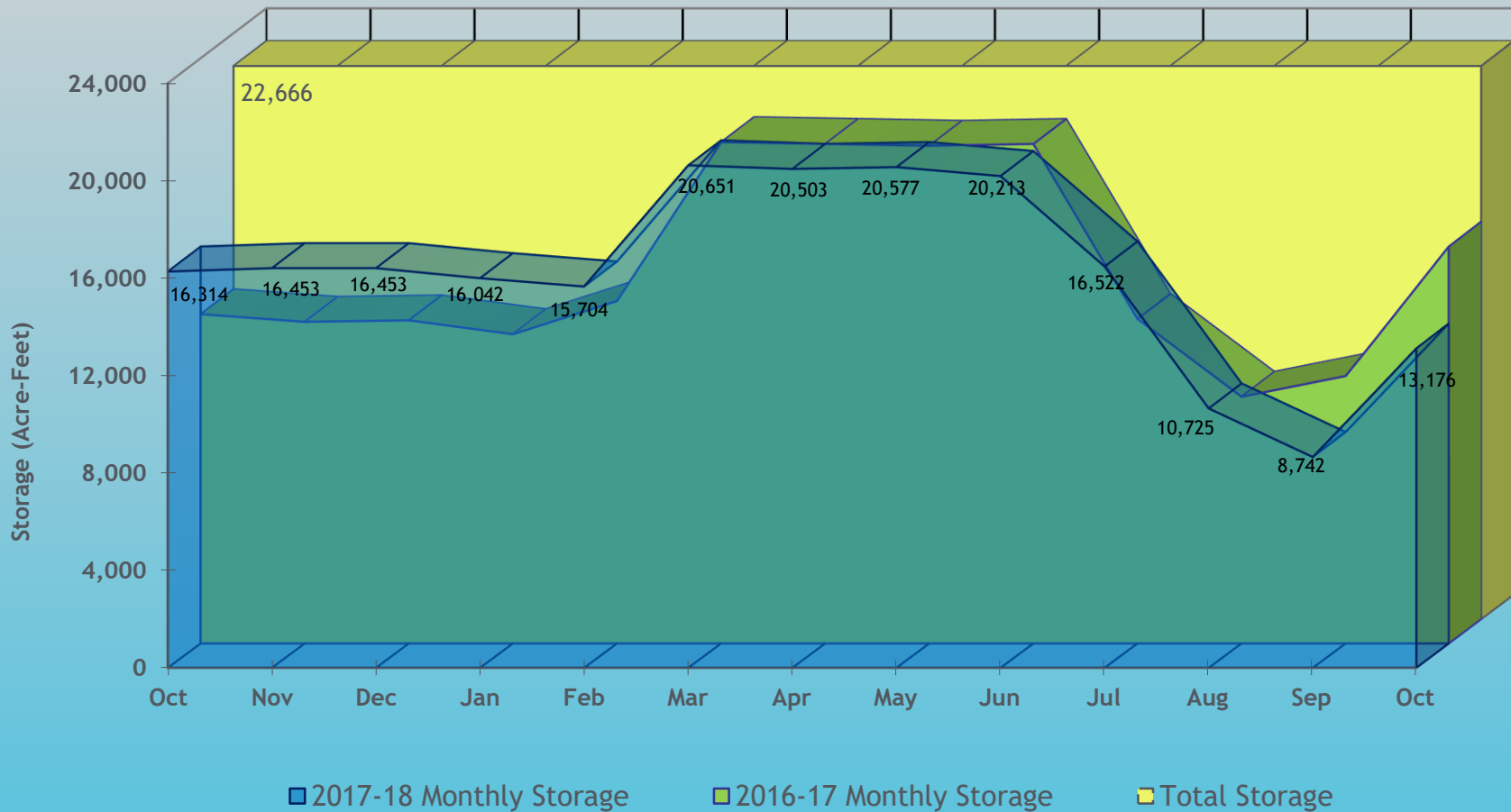
# October Reservoir Change in Storage IY2017 versus IY2018



# October Reservoir Change in Storage IY2017 versus IY2018

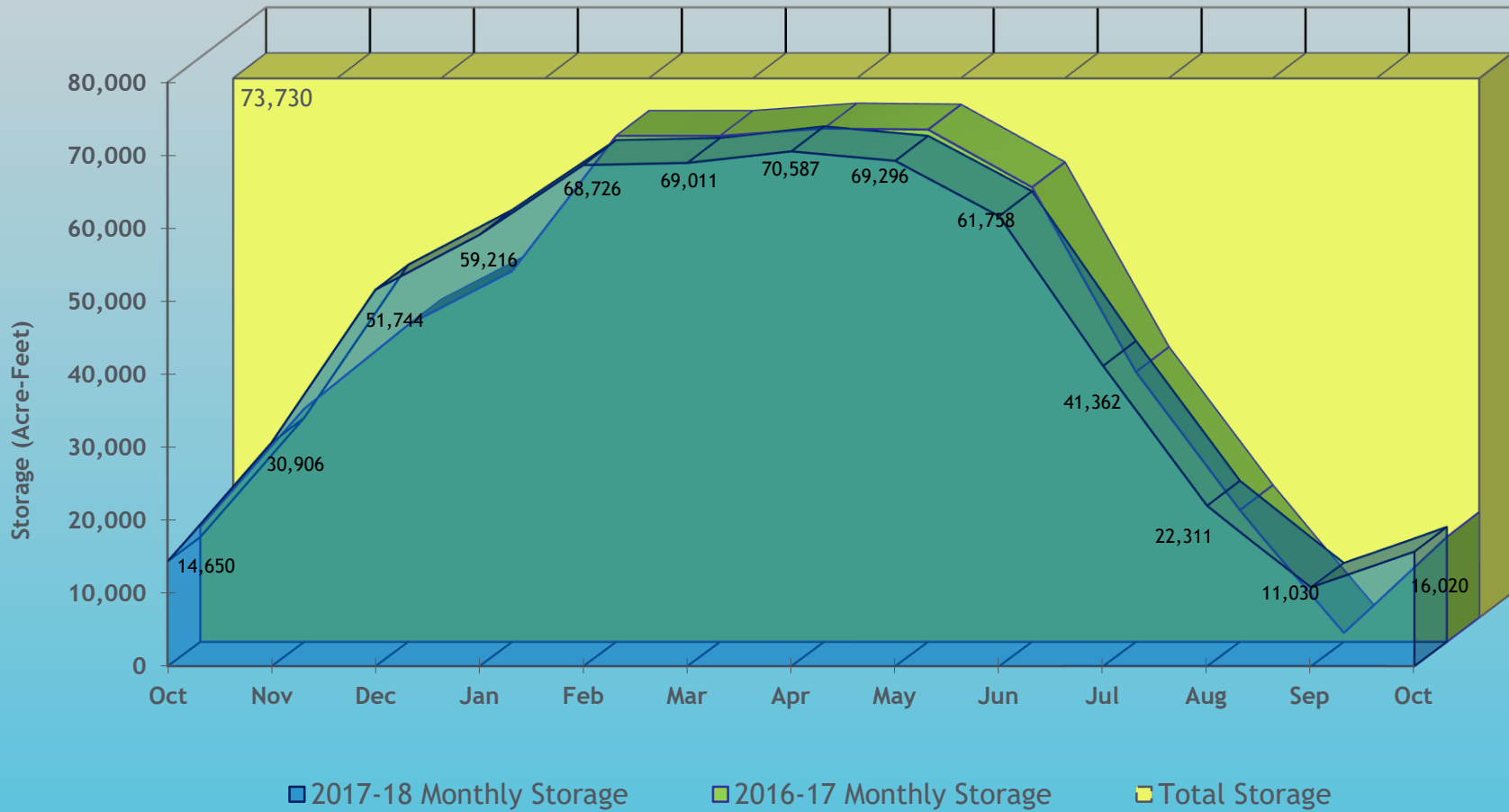


# Julesburg Reservoir (District 64 - Agricultural)

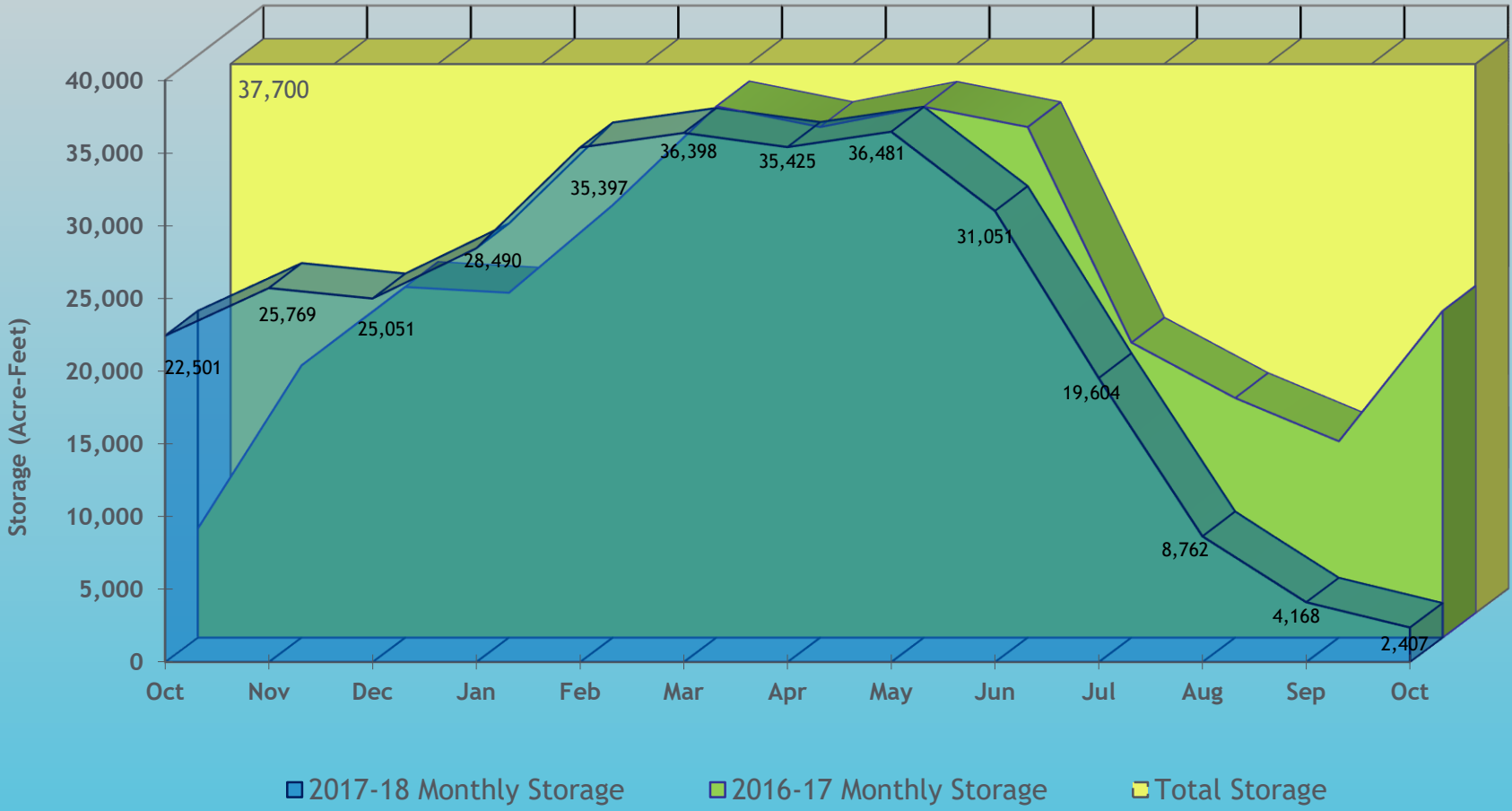




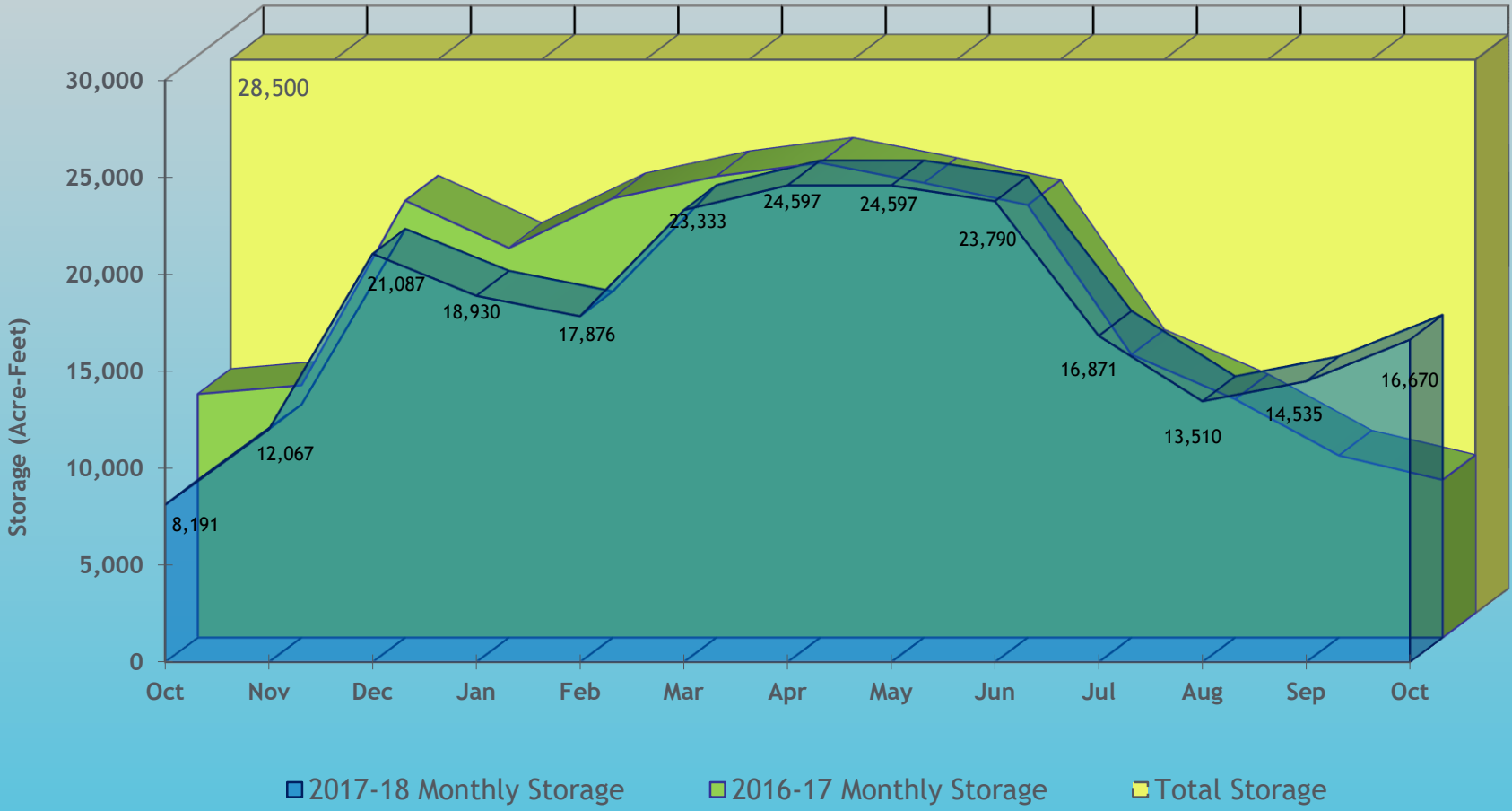
# North Sterling Reservoir (District 64 - Agricultural)



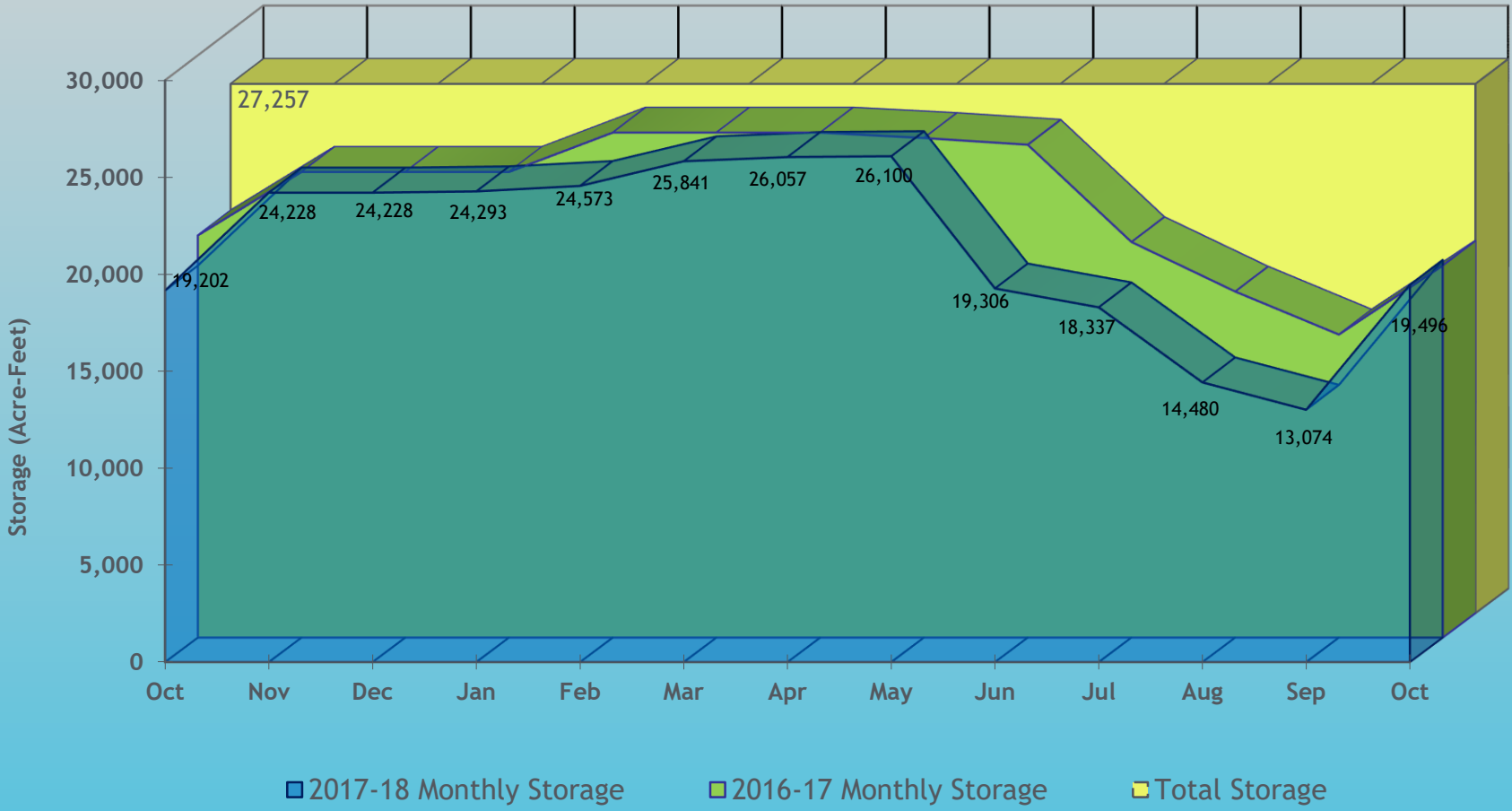
# Empire Reservoir (District 1 - Agricultural)



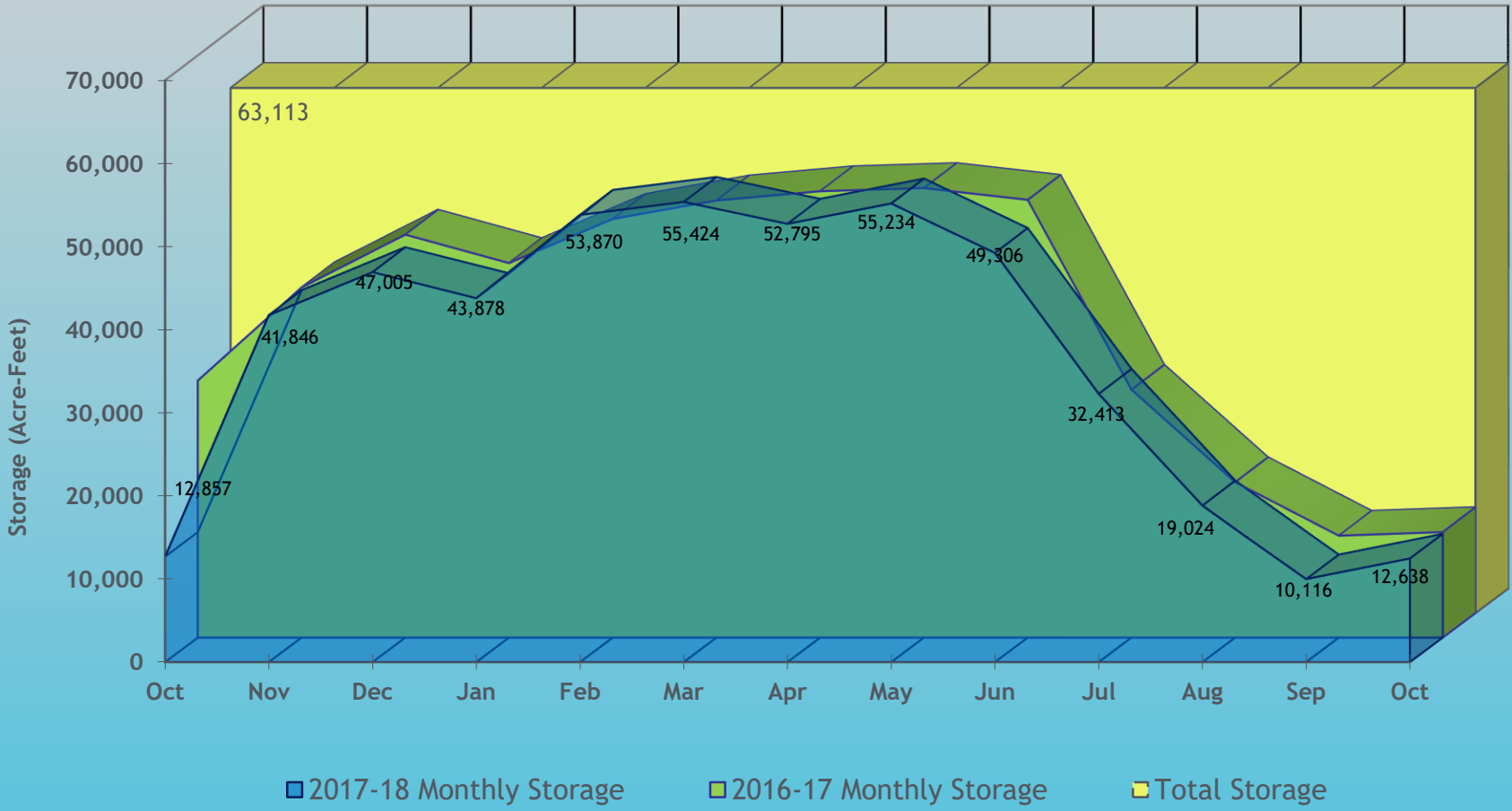
# Prewitt Reservoir (District 64 - Agricultural)



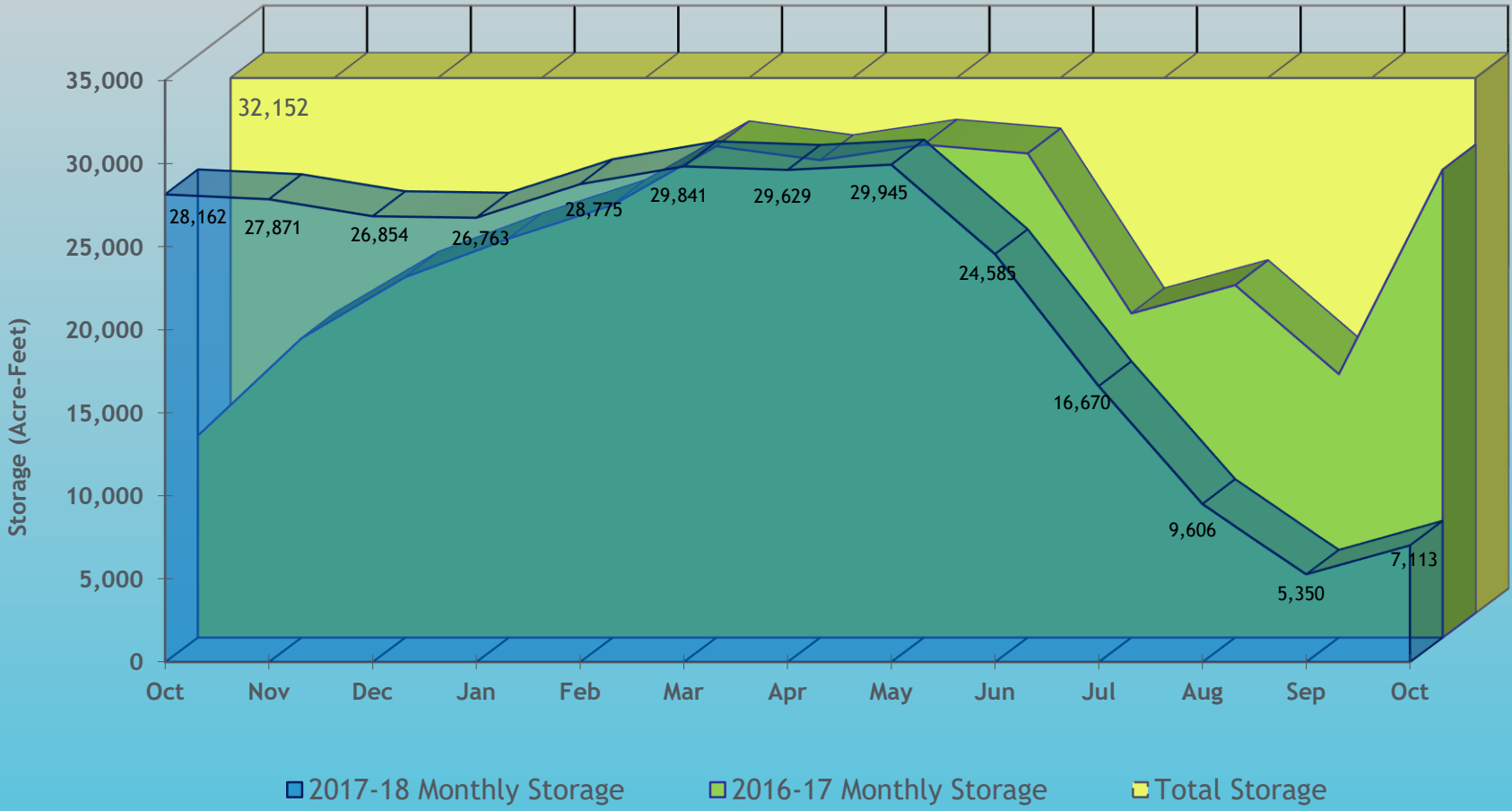
# Jackson Reservoir (District 1 - Agricultural)



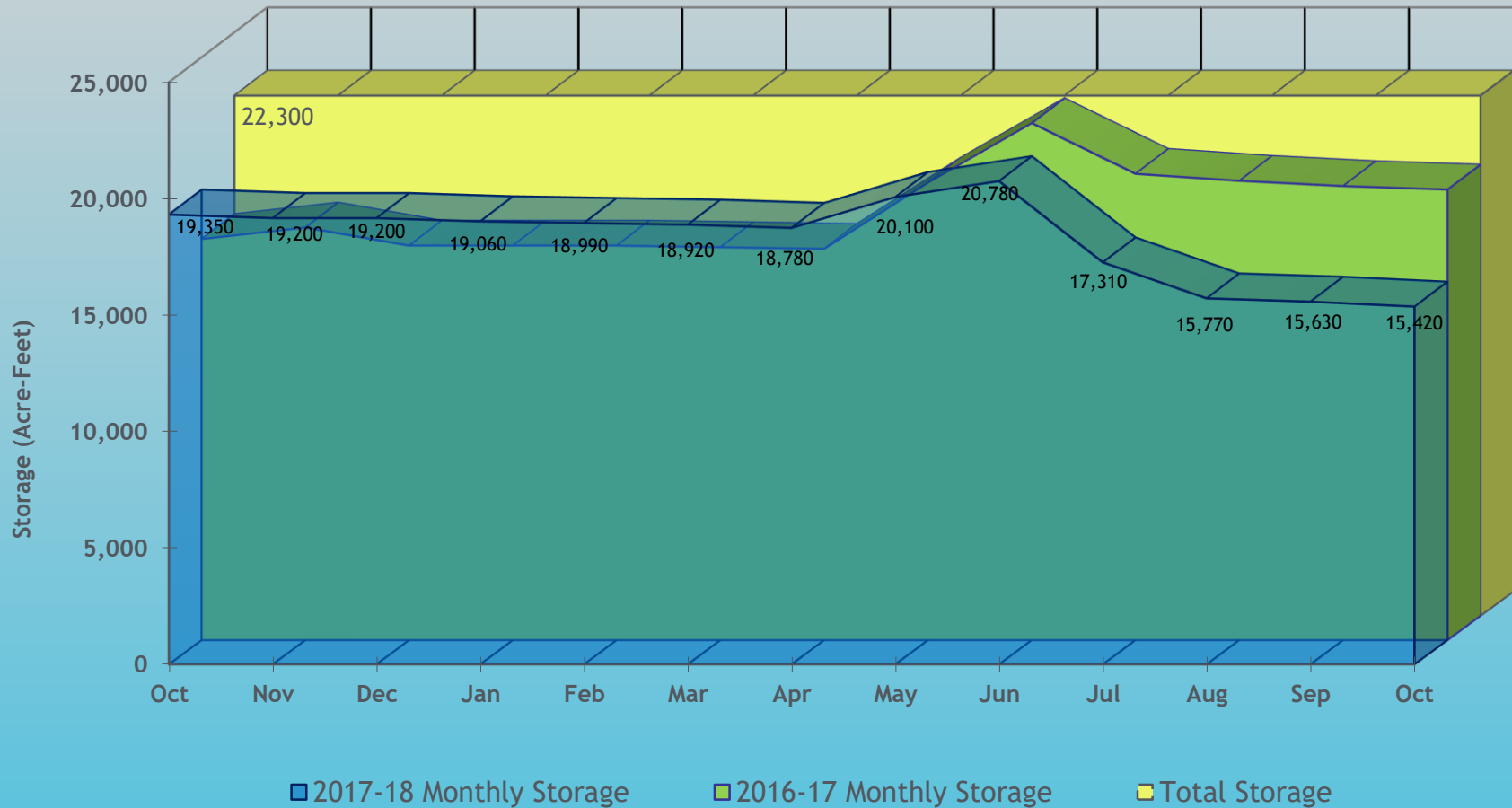
# Riverside Reservoir (District 1 - Agricultural)



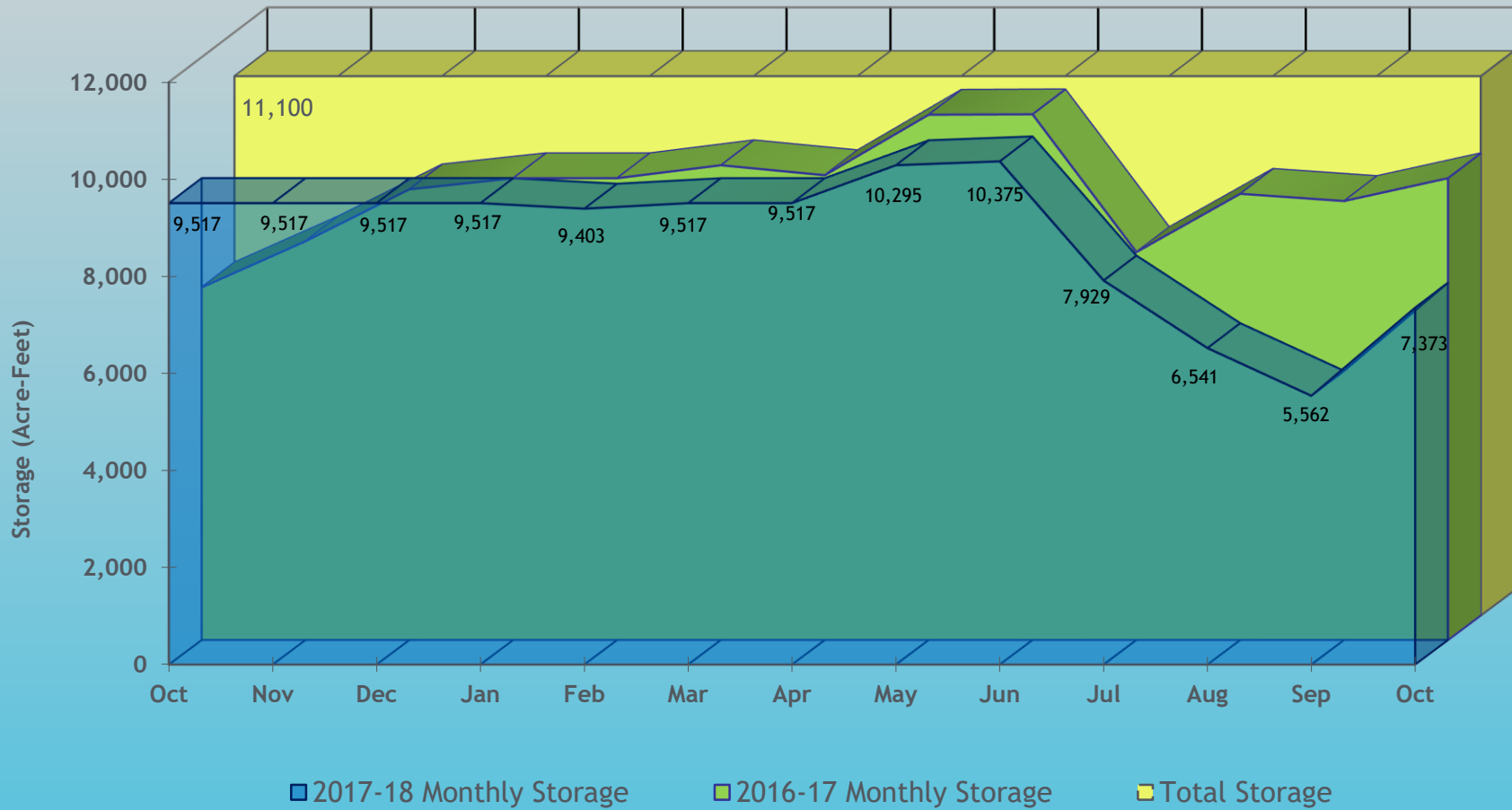
# Barr Reservoir (District 2 - Agricultural)



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

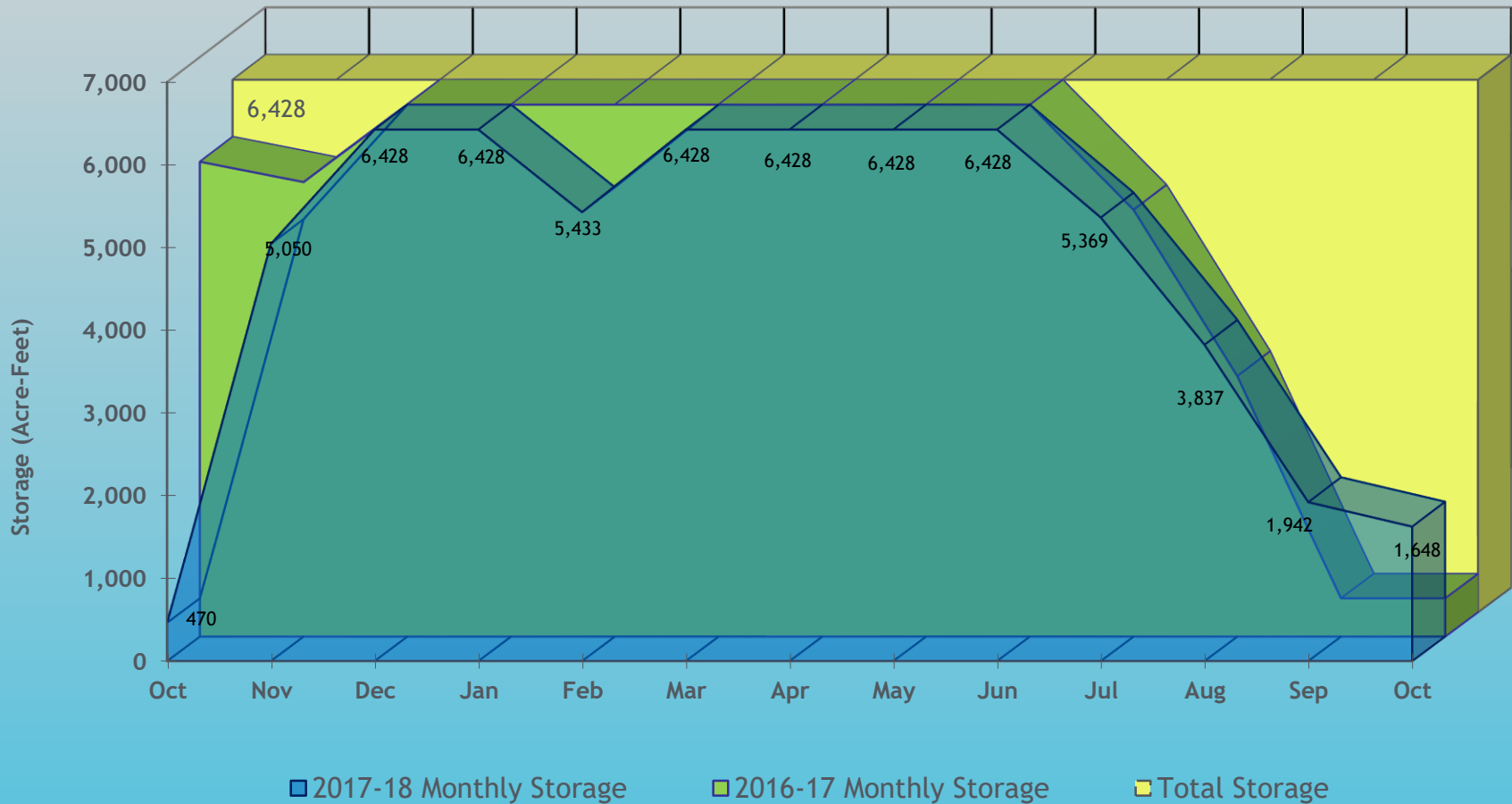


# Fossil Creek Reservoir (District 3, Poudre River - Agricultural)

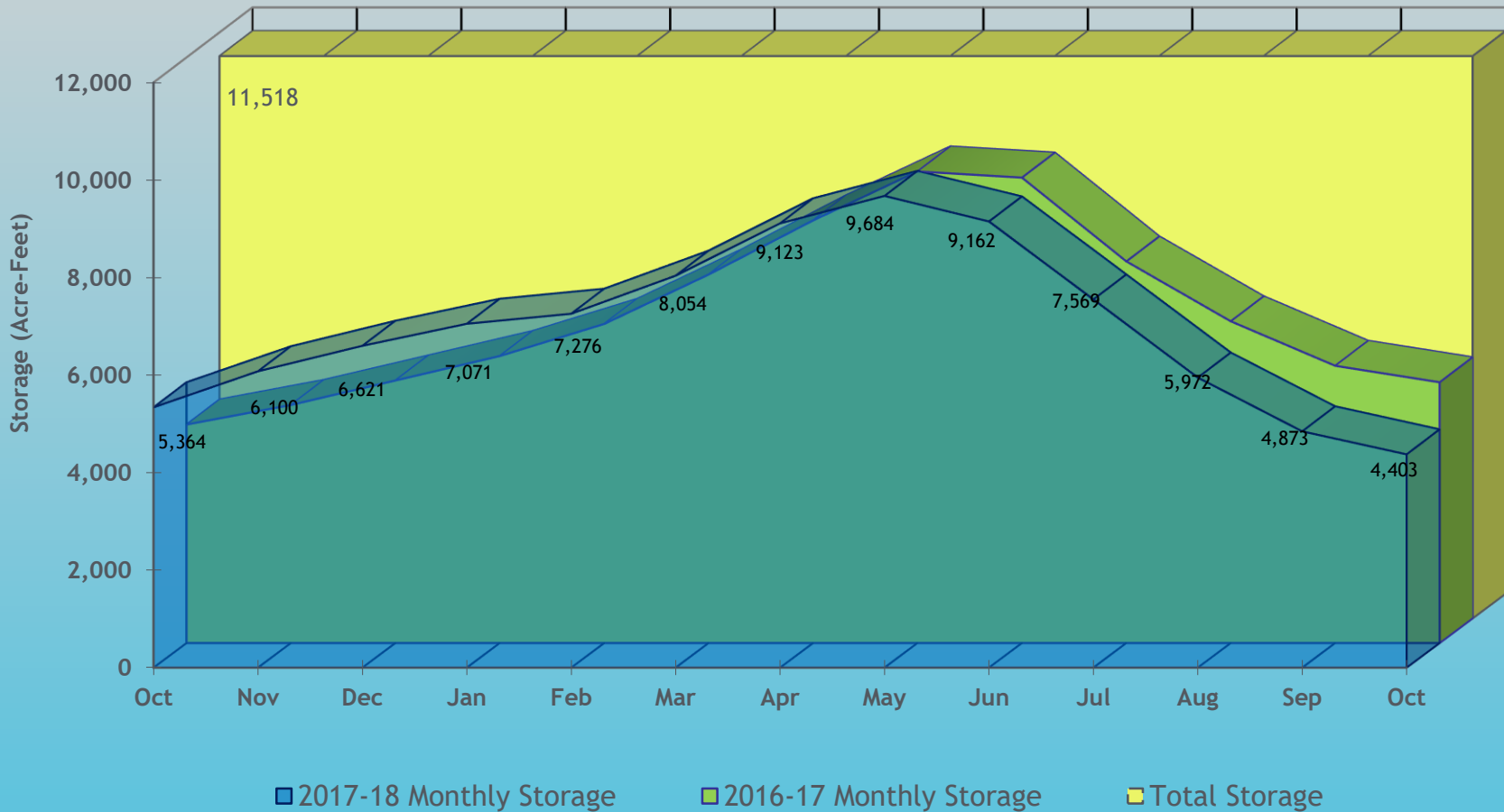




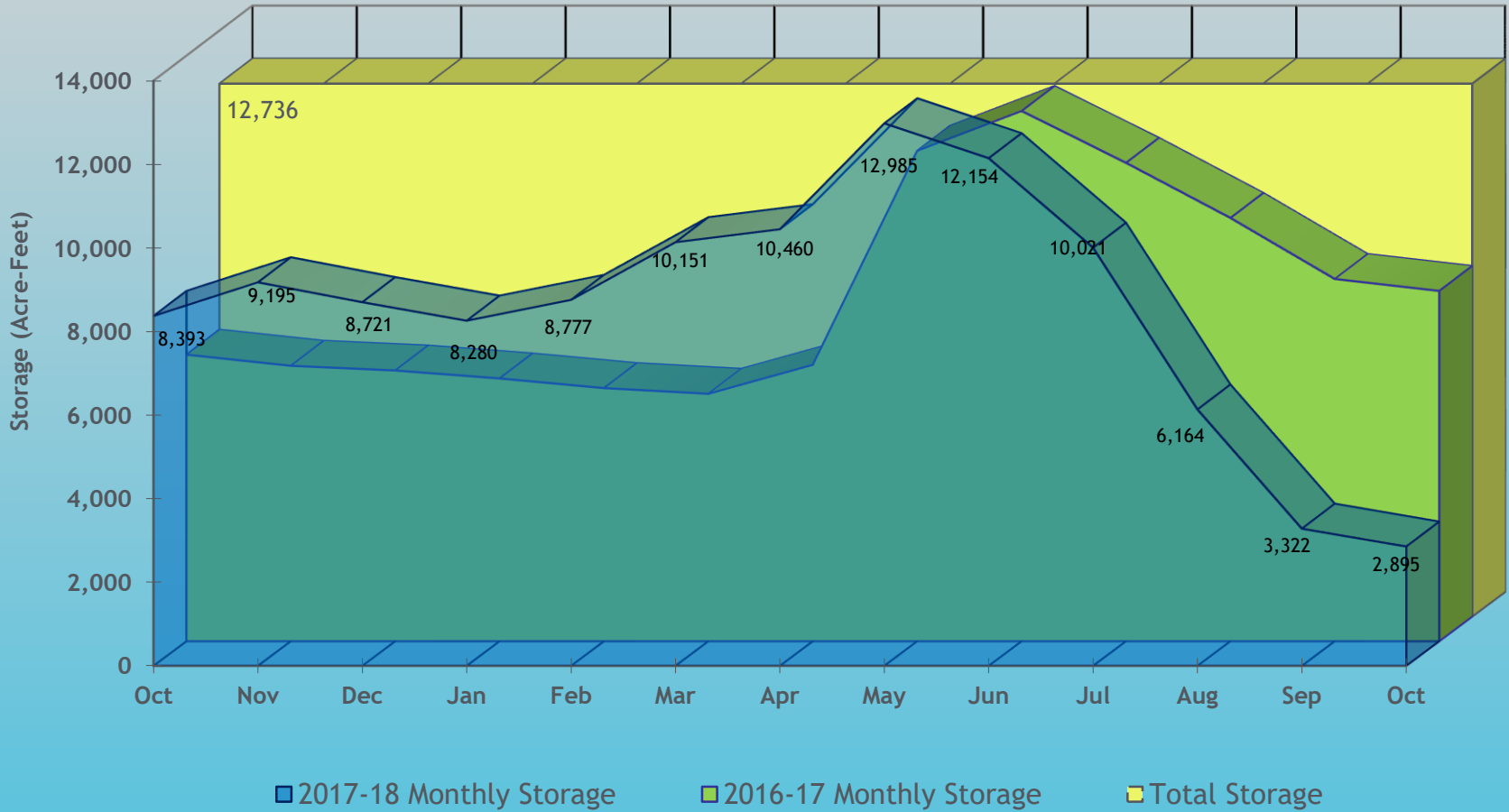
# Halligan Reservoir (District 3, Poudre River - Agricultural)



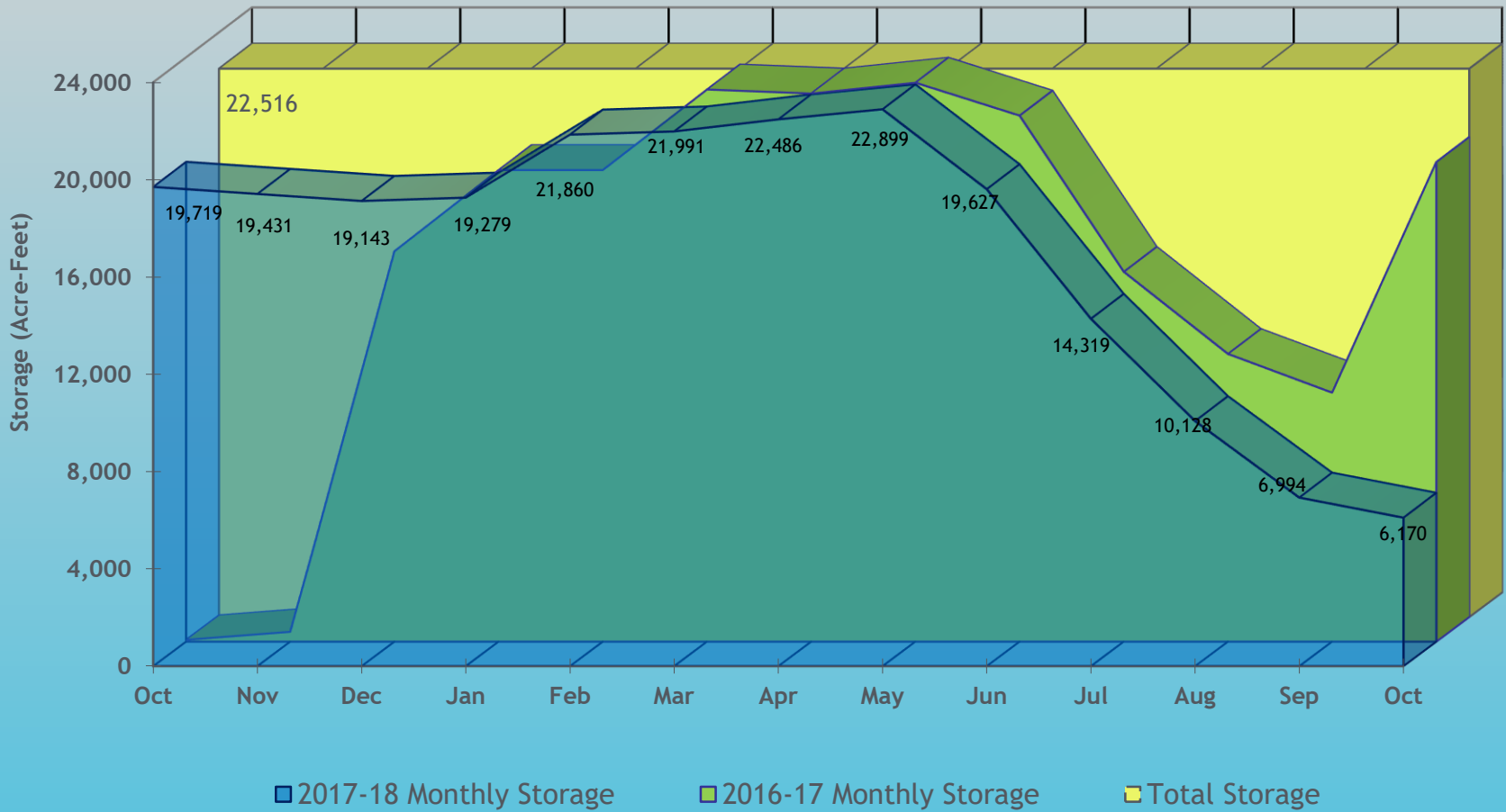
# Marshall Lake (District 6, Boulder Creek - Agricultural)



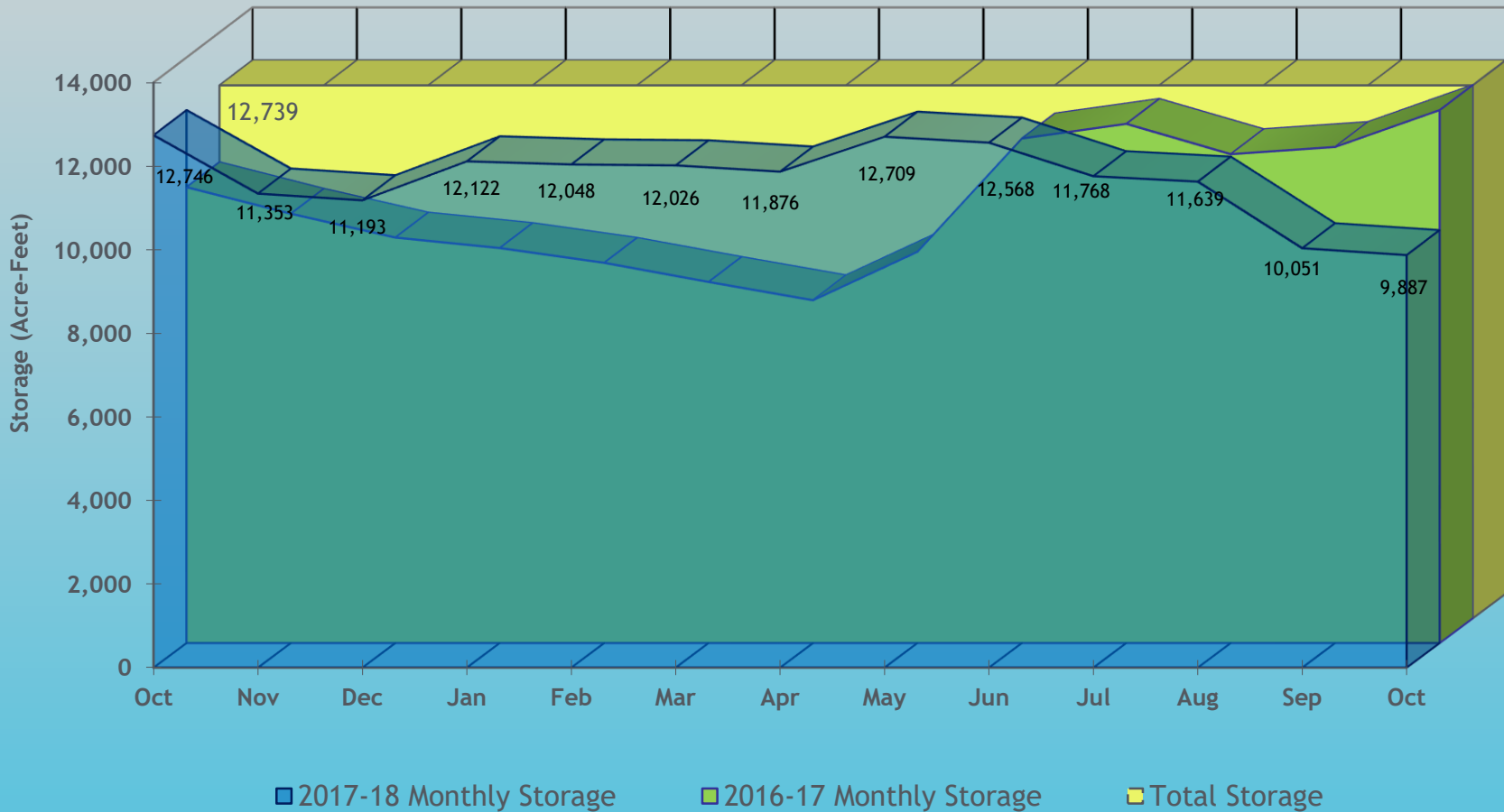
# Loveland Greeley Reservoir (District 4, Big Thompson River - Agricultural)



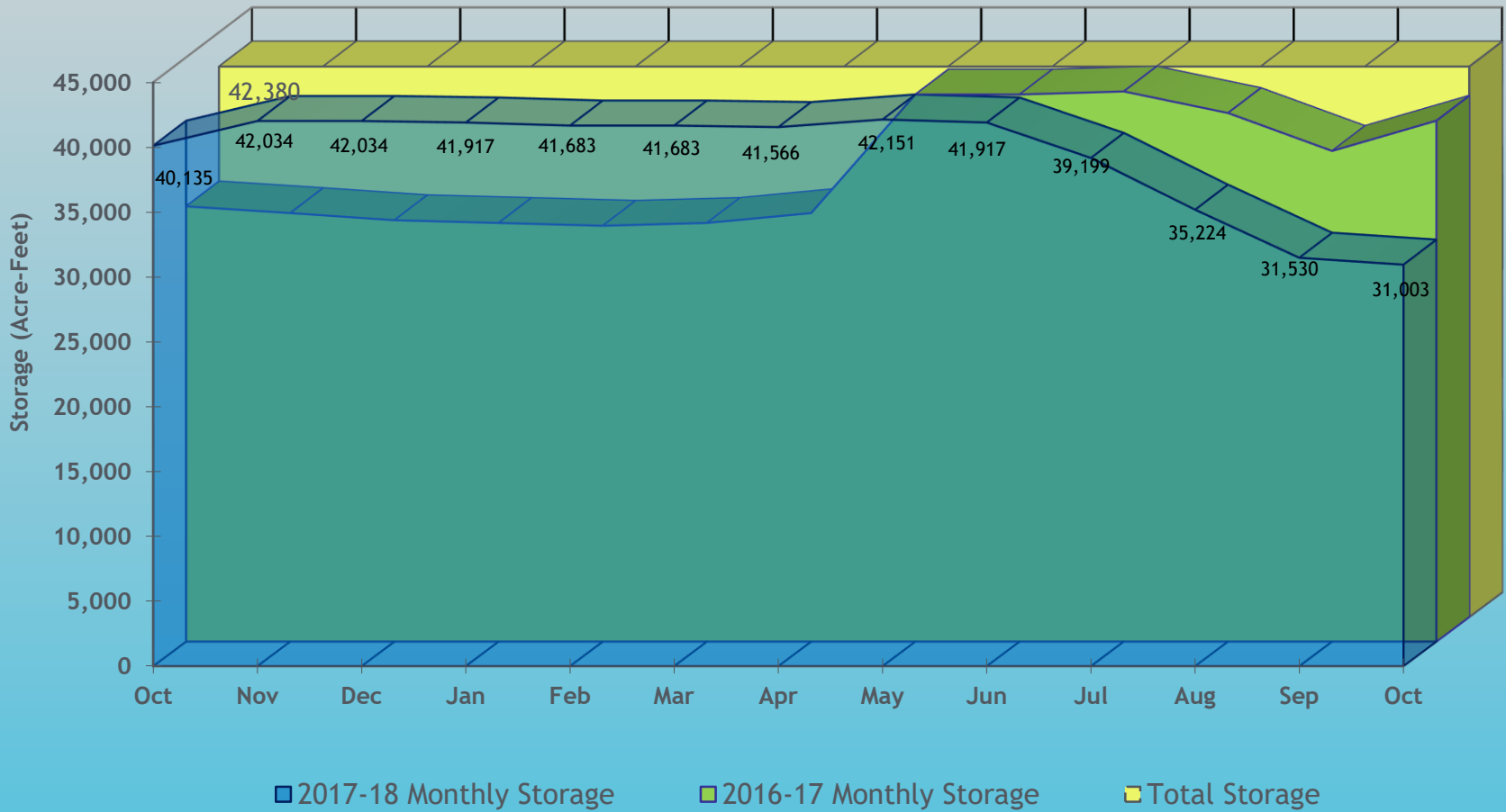
# Milton Reservoir (District 2 - Agricultural)



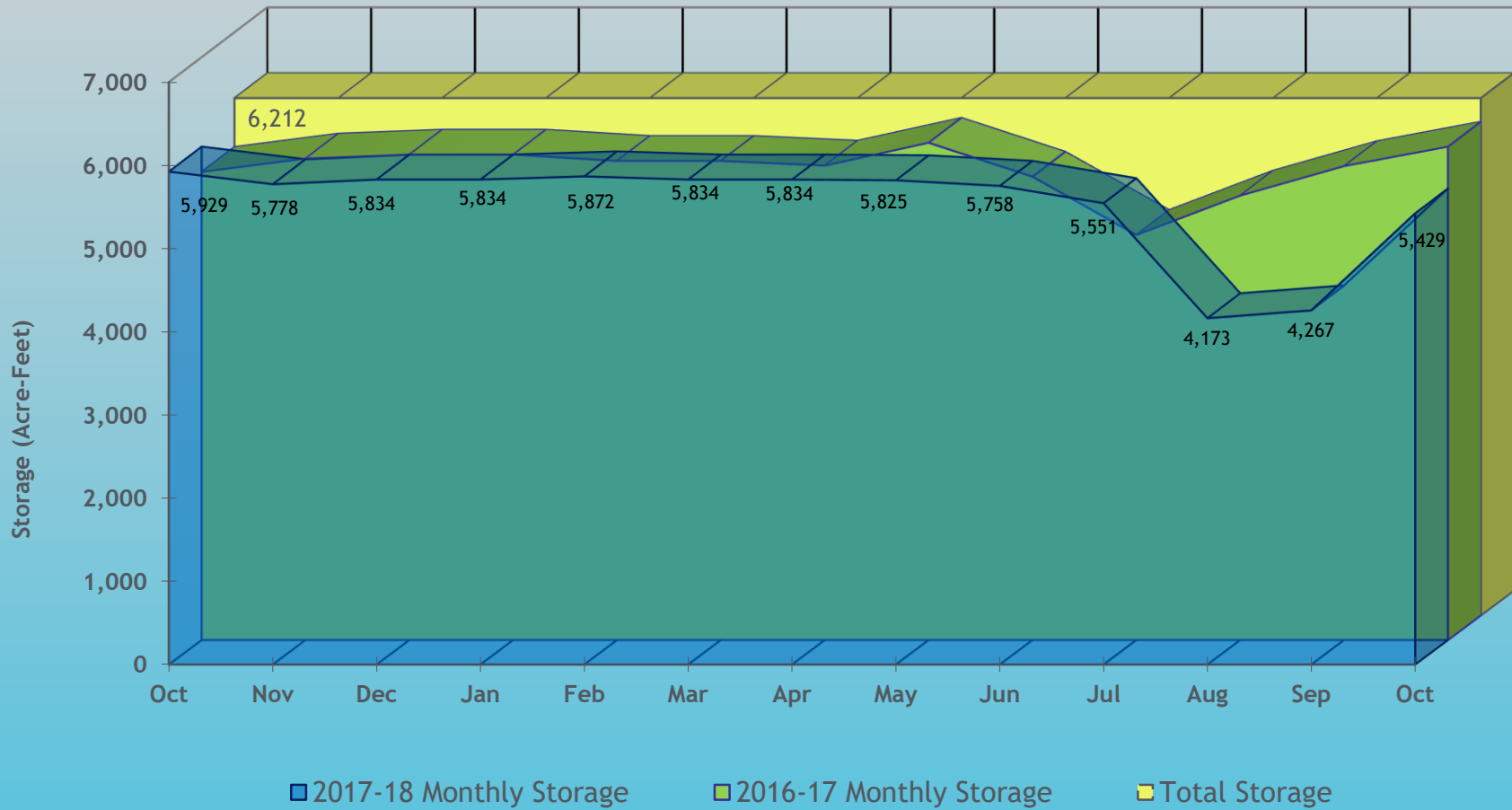
# Union Reservoir (District 5, St. Vrain Creek - Agricultural)



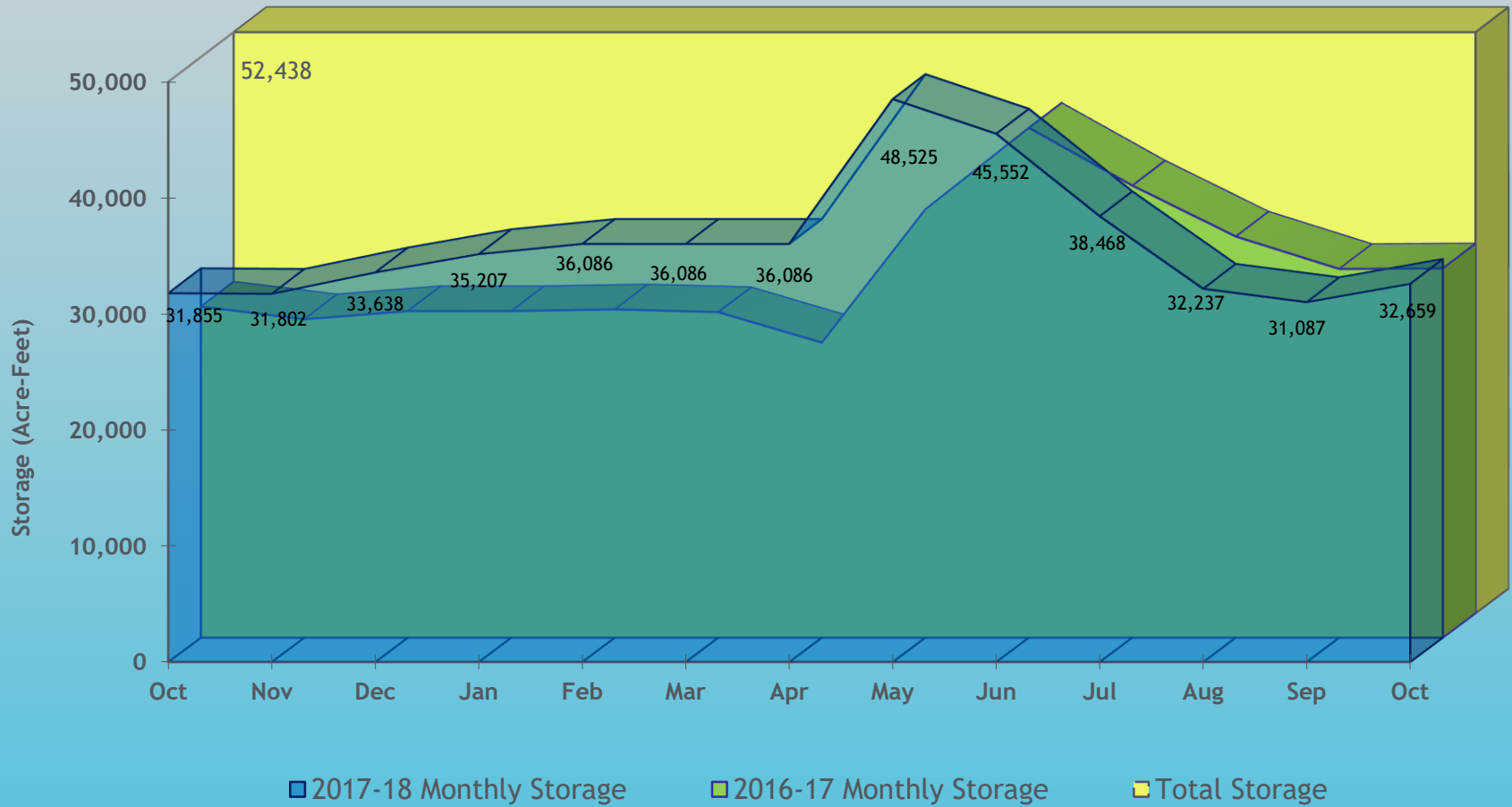
# Standley Lake (Agricultural)



# Lower Latham Reservoir (District 2 - Agricultural)

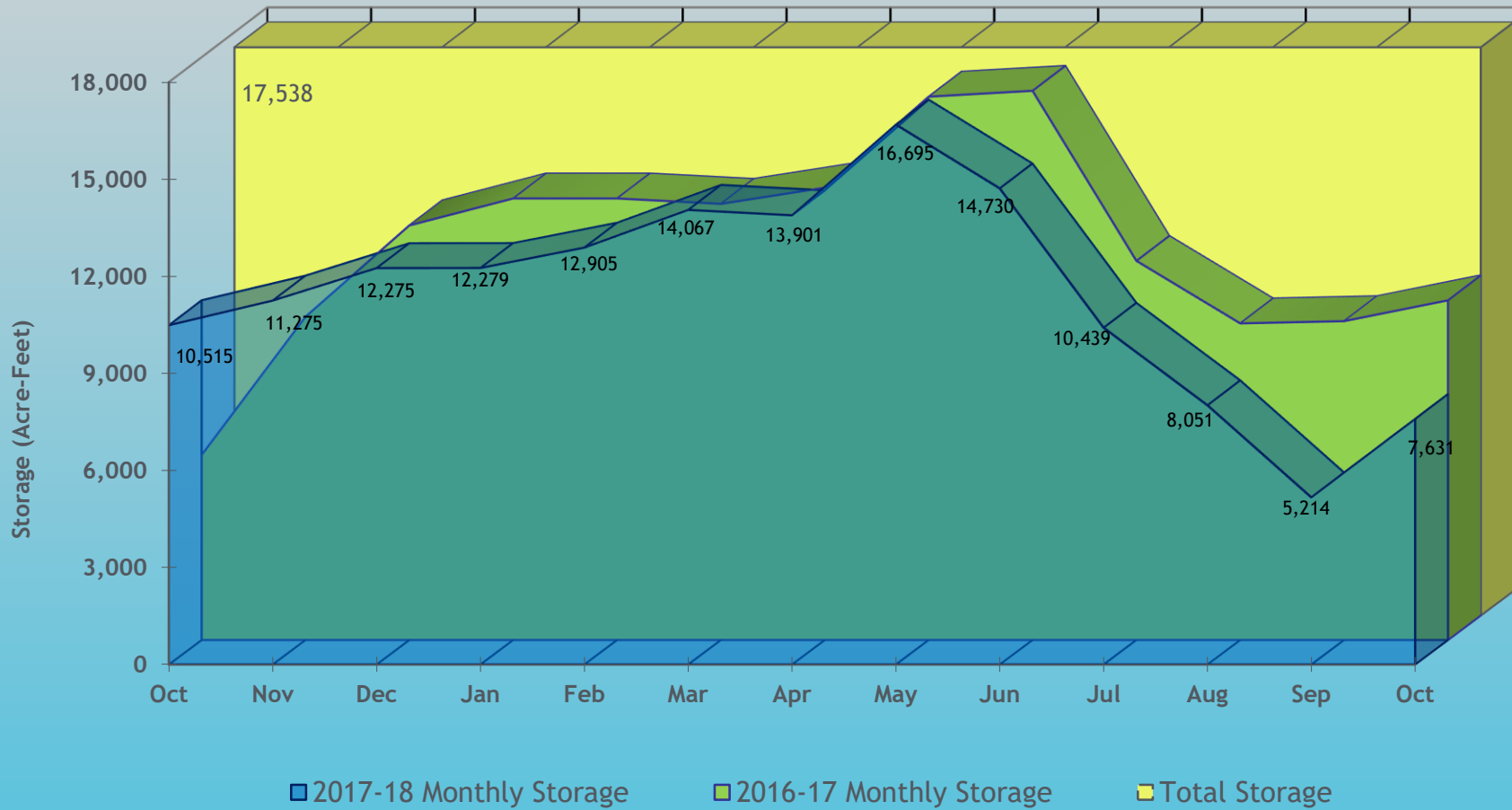


# Boyd Lake (District 4, Big Thompson River - Agricultural)

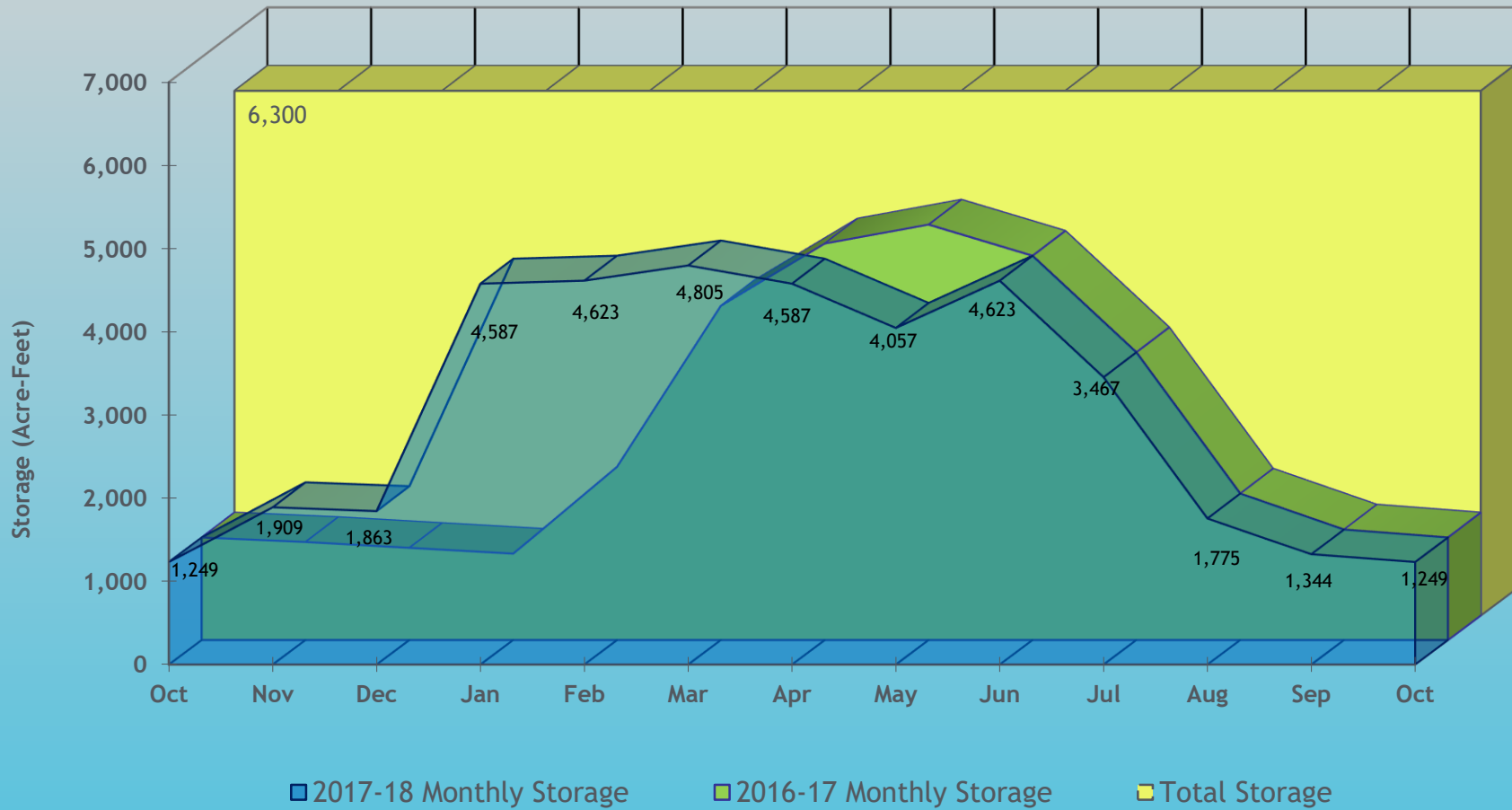




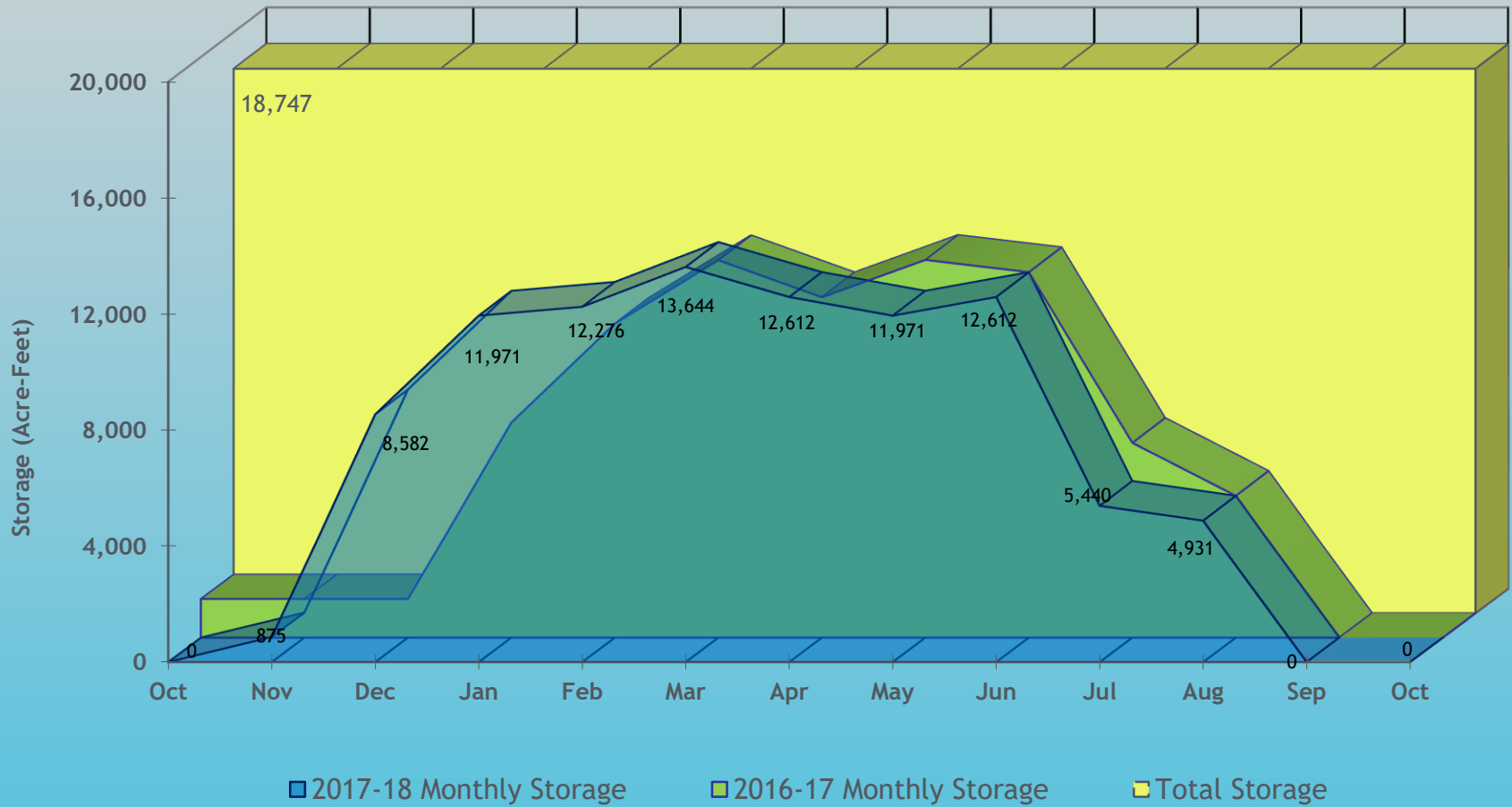
# Windsor Reservoir (District 3, Poudre River - Agricultural)



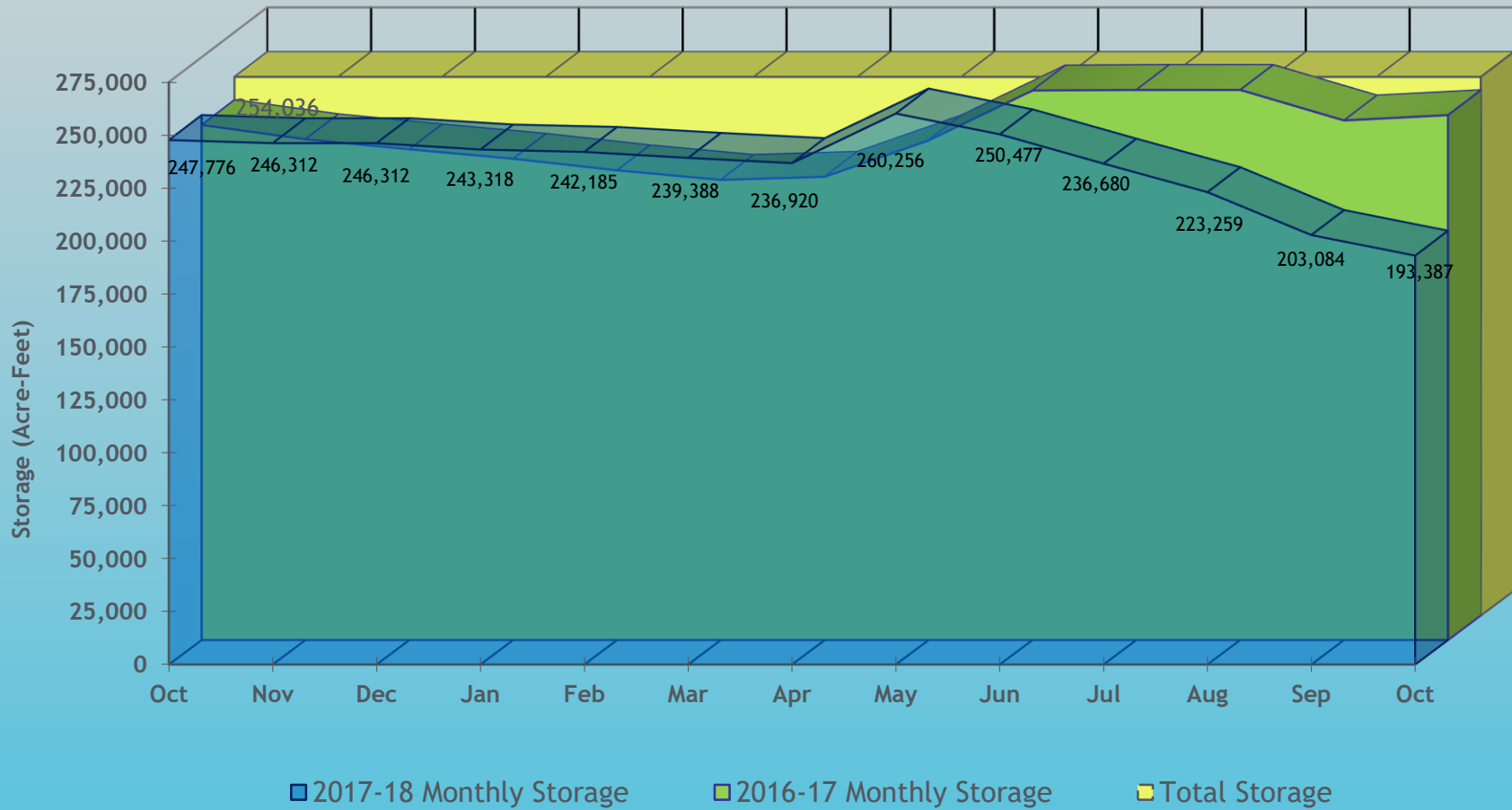
# Prospect Reservoir (District 1 - Agricultural)



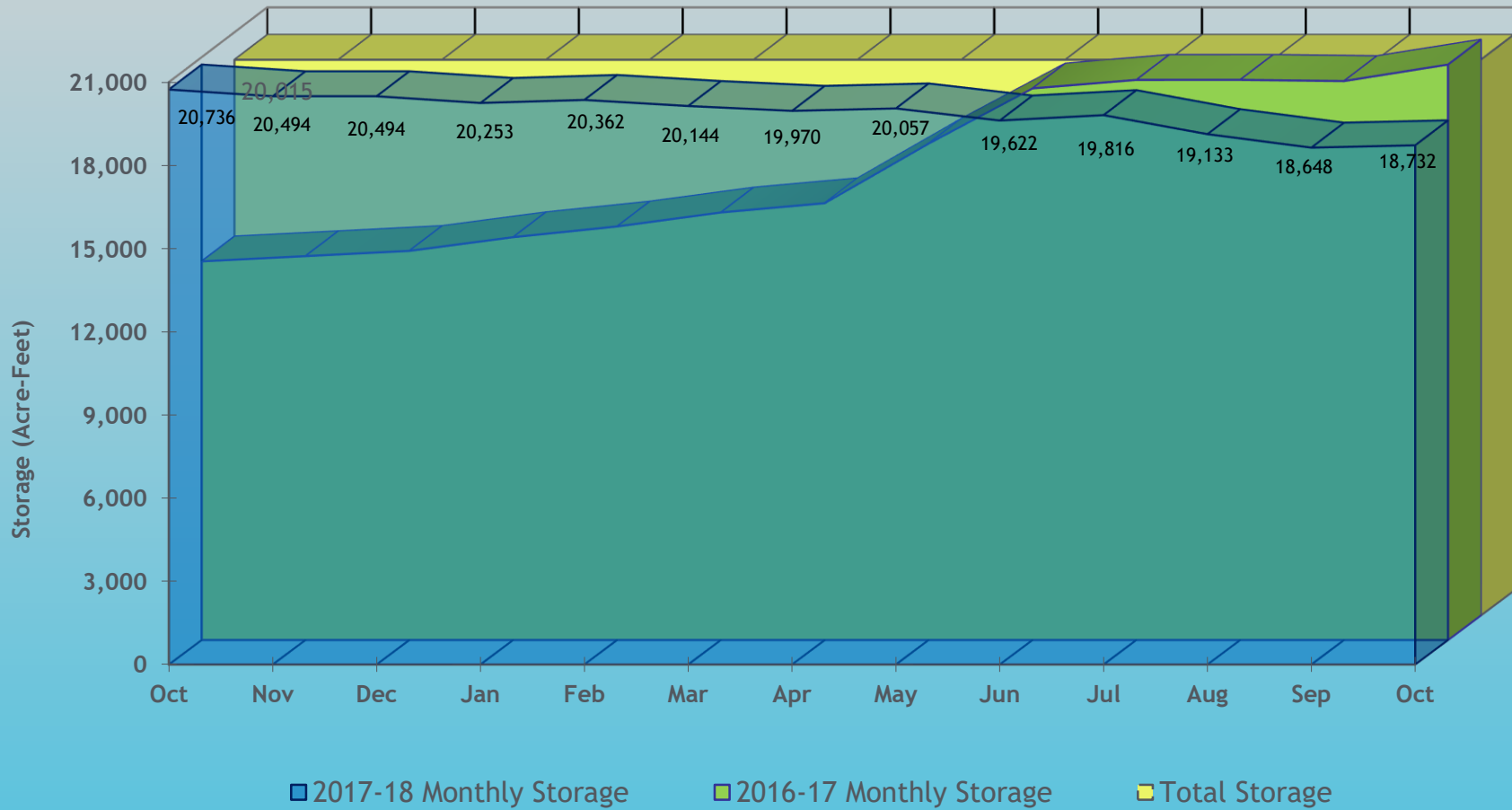
# Horse Creek Reservoir (District 1 - Agricultural)



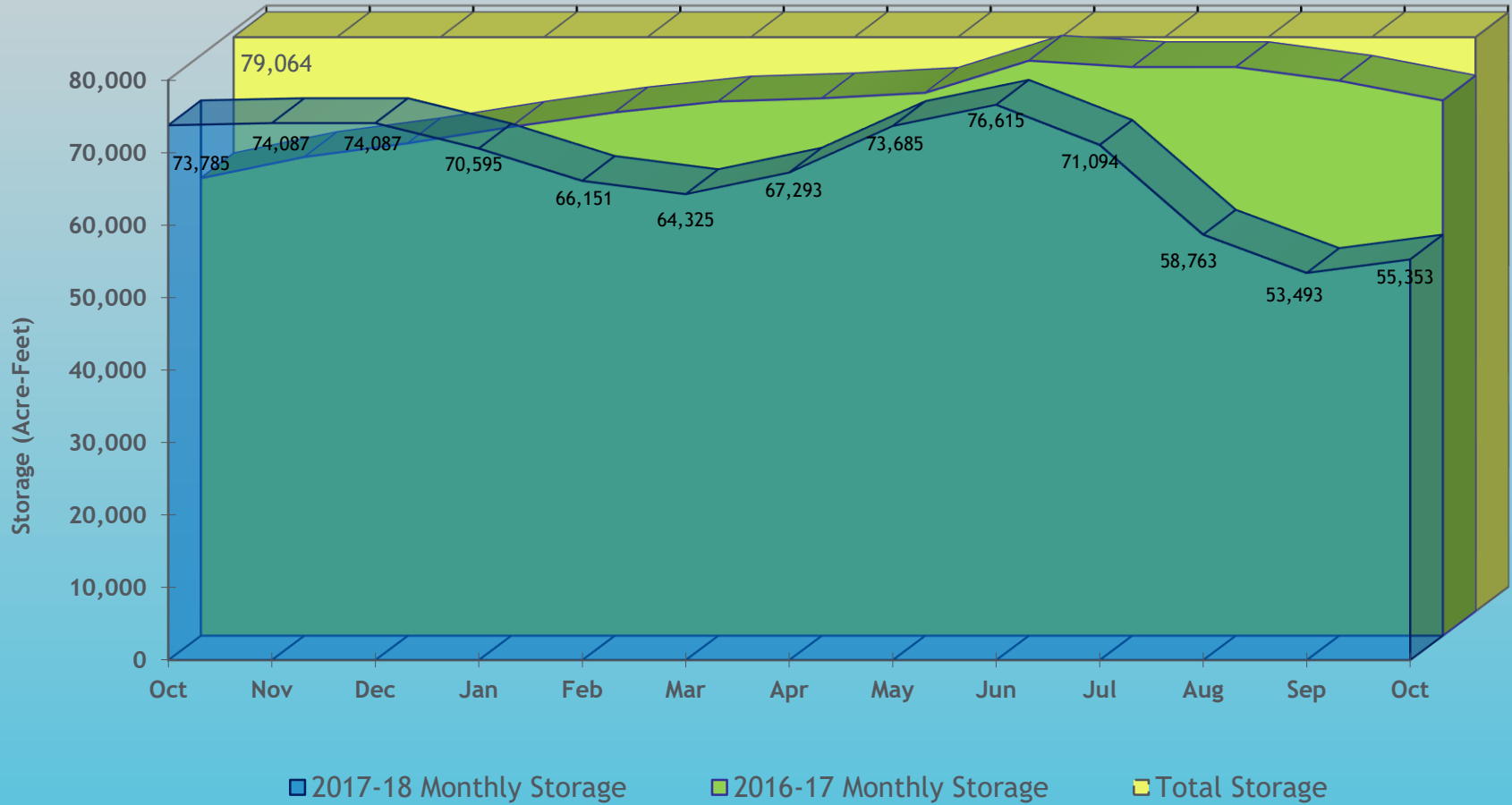
# Dillon Reservoir (District 1 - Municipal)



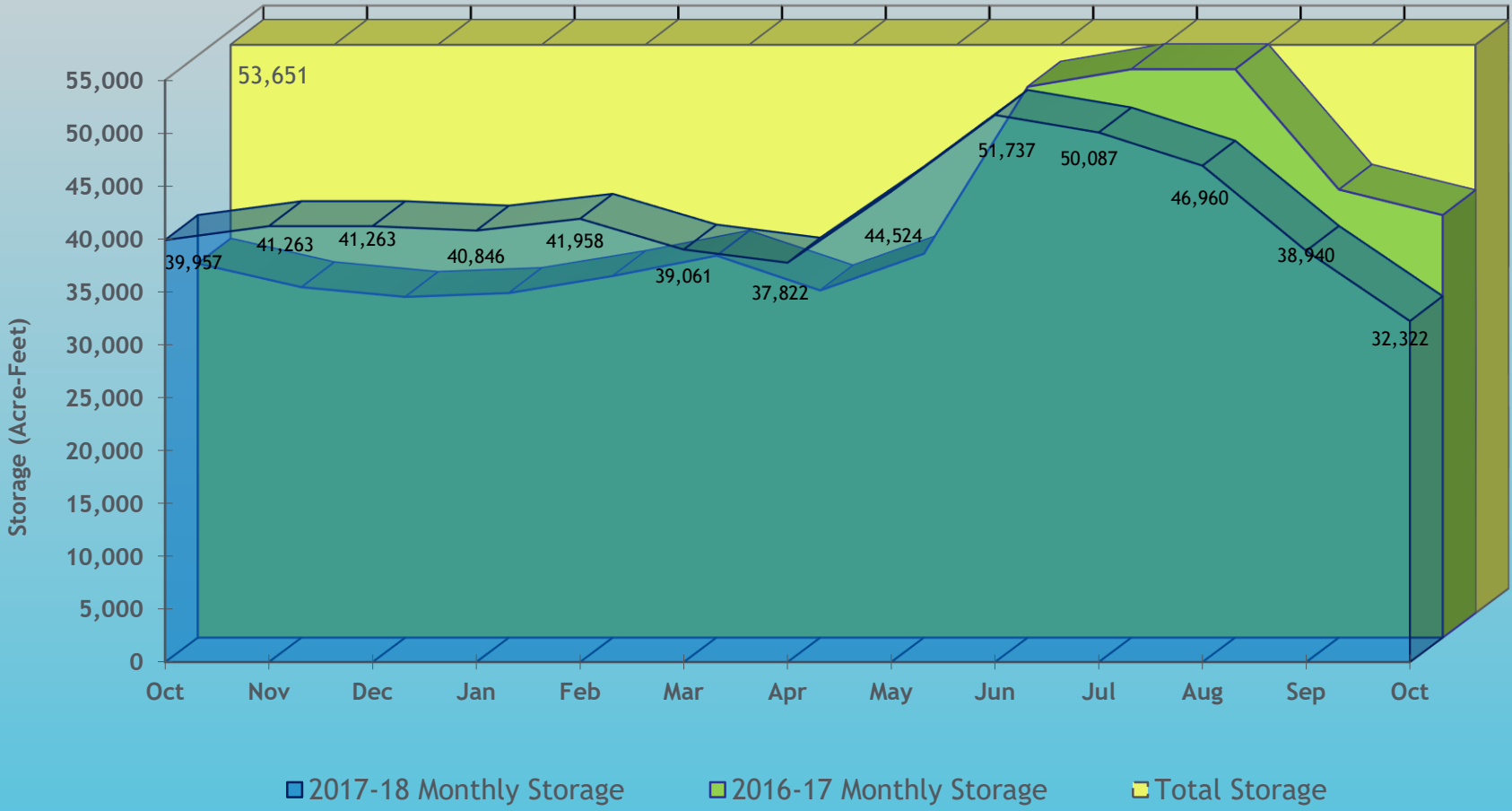
# Antero Reservoir (District 23 - Municipal)



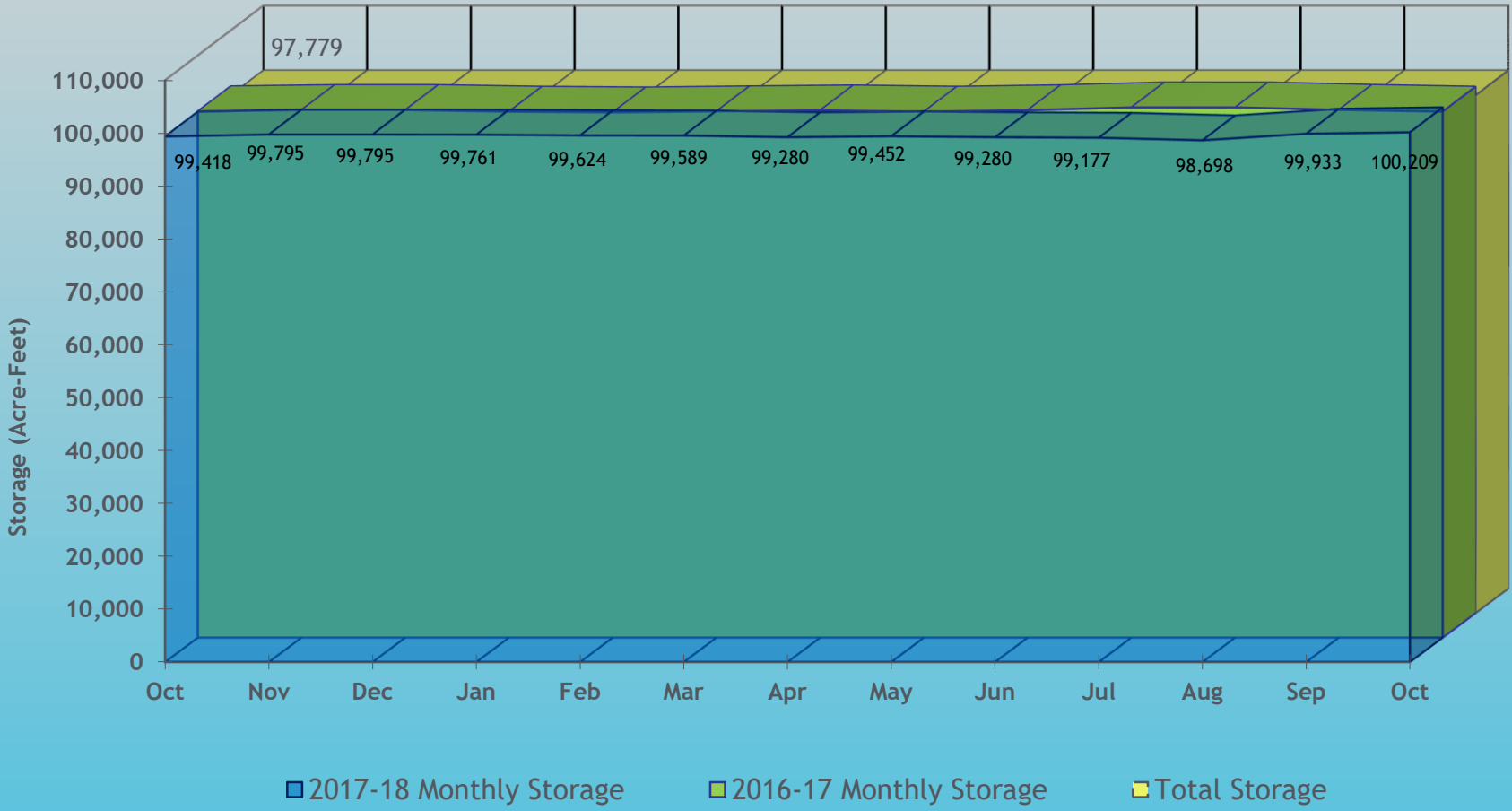
# Cheesman Reservoir (District 80 - Municipal)



# Spinney Mountain Reservoir (District 23 - Municipal)



# Eleven Mile Reservoir (District 23 - Municipal)





# Lake Granby

