



**COLORADO**  
Department of Natural Resources

## South Platte Summary April 2017

Compiled by Lee Cunning, P.E.

# COLORADO DIVISION OF WATER RESOURCES, DIVISION 1

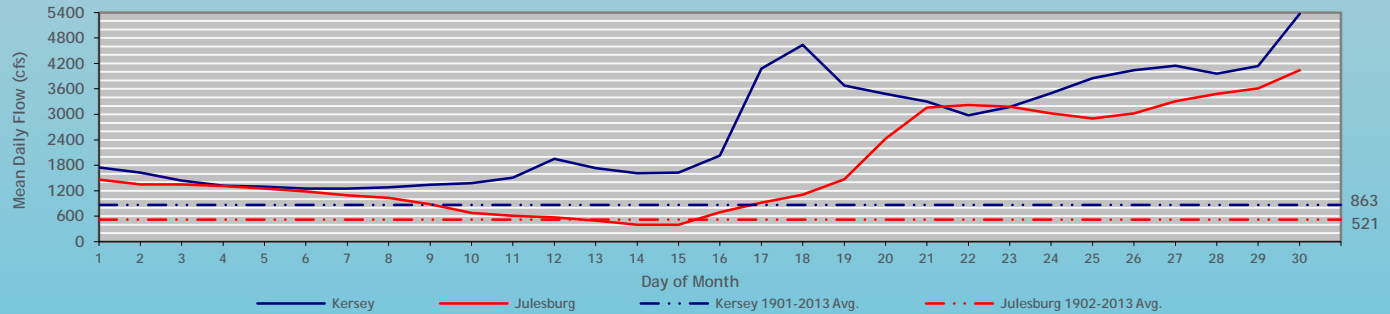
## MONTH OF April 2017

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	20,577	20,503	64	-74	0%	90%	91%	0
N STERLING	73,730	69,296	70,300	64	1,004	1%	95%	94%	0
PREWITT	28,500	23,790	24,481	64	691	3%	86%	86%	0
JACKSON	27,257	26,035	26,035	1	0	0%	96%	96%	0
EMPIRE	37,700	36,509	35,092	1	-1,417	-4%	93%	96%	0
RIVERSIDE	63,113	52,610	53,718	1	1,108	2%	85%	86%	0
BARR LAKE	32,152	29,555	28,719	2	-836	-3%	89%	91%	0
CHEESMAN	79,064	73,643	74,079	80	436	1%	94%	99%	0
ELEVEN MILE	97,779	99,486	99,658	23	172	0%	100%	100%	1,879
SPINNEY	53,651	36,134	32,866	23	-3,268	-9%	61%	65%	0
ANTERO	20,015	15,424	15,757	23	333	2%	79%	10%	0

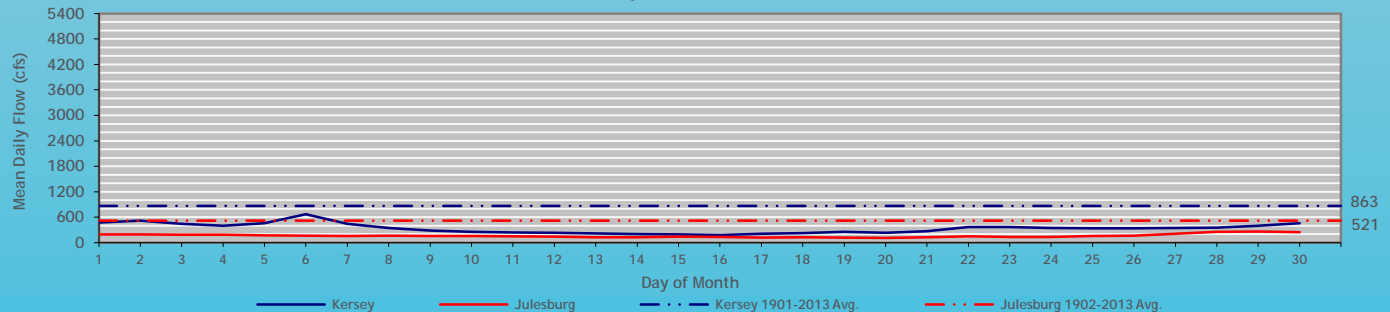
RIVER GAGES	MEAN DAILY FLOW (CFS)
<b>KERSEY</b>	<b>337</b>
<b>JULESBURG</b>	<b>163</b>
<b>THIS MONTH LAST YEAR</b>	
<b>KERSEY</b>	<b>2625</b>
<b>JULESBURG</b>	<b>1787</b>
<b>MEAN FOR PERIOD OF RECORD*</b>	
<b>KERSEY</b>	<b>863</b>
<b>JULESBURG</b>	<b>521</b>

\*Kersey 1901 - 2016  
\*Julesburg 1902 - 2016

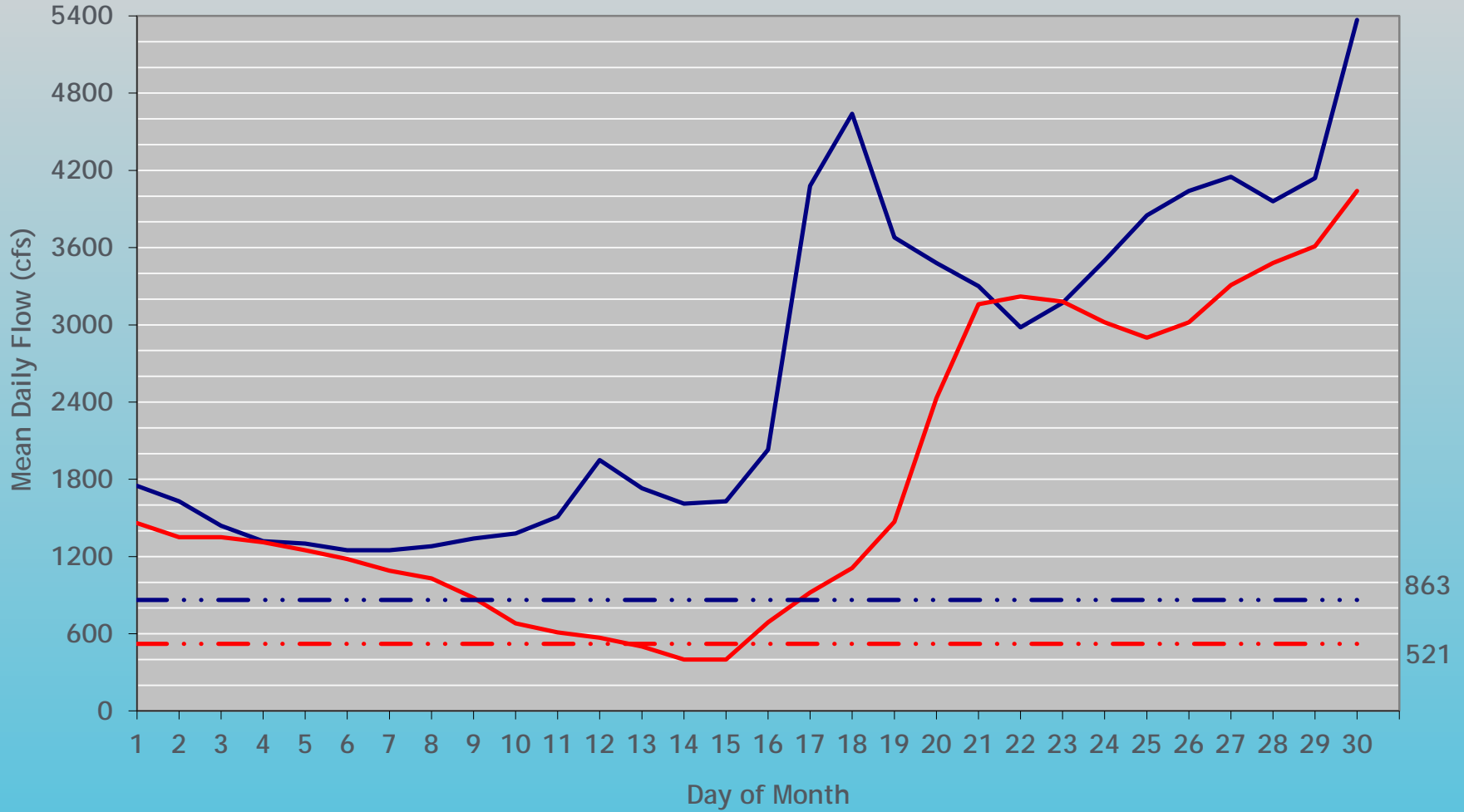
KERSEY and JULESBURG  
April 2016



KERSEY and JULESBURG  
April 2017



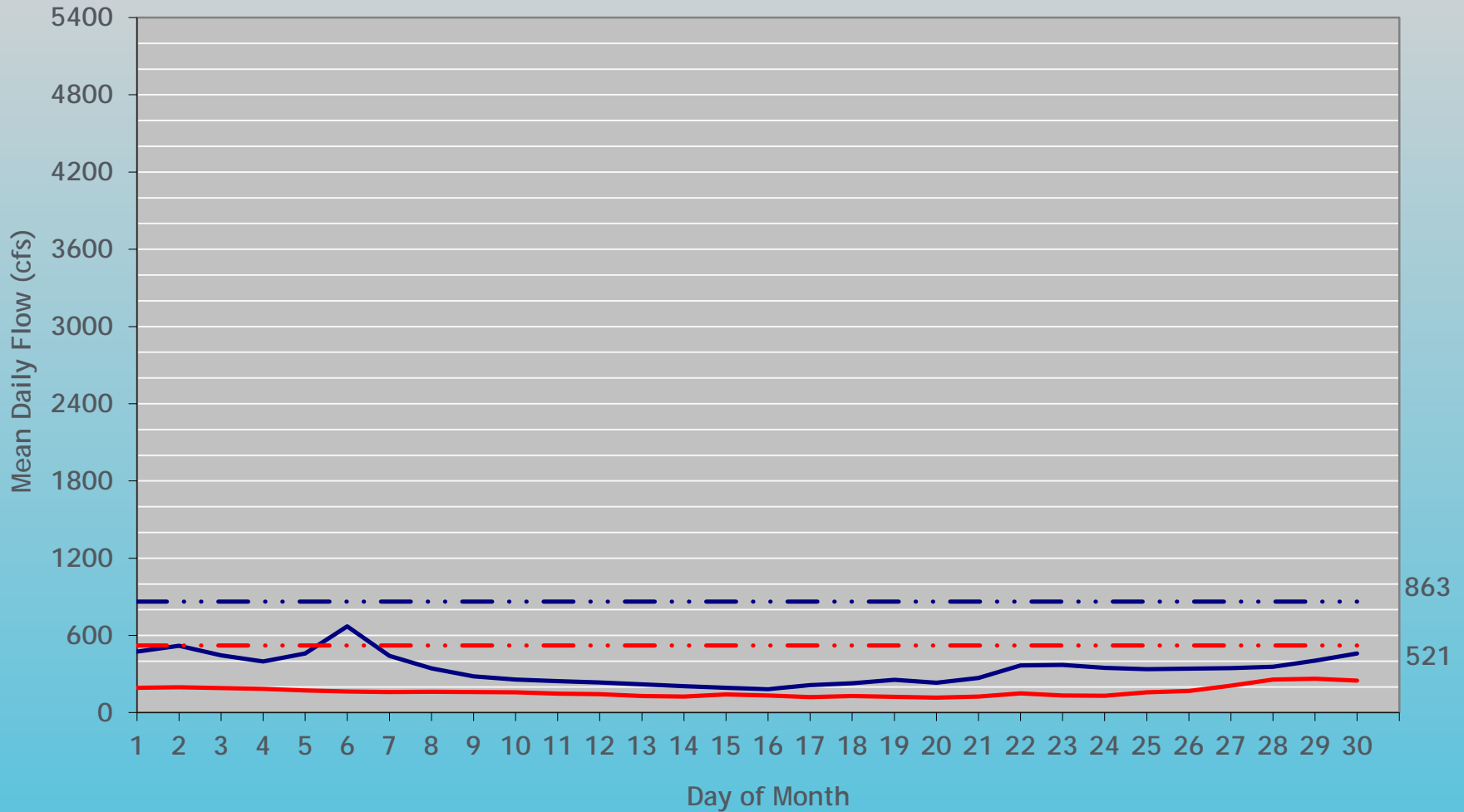
# KERSEY and JULESBURG April 2016



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

# KERSEY and JULESBURG

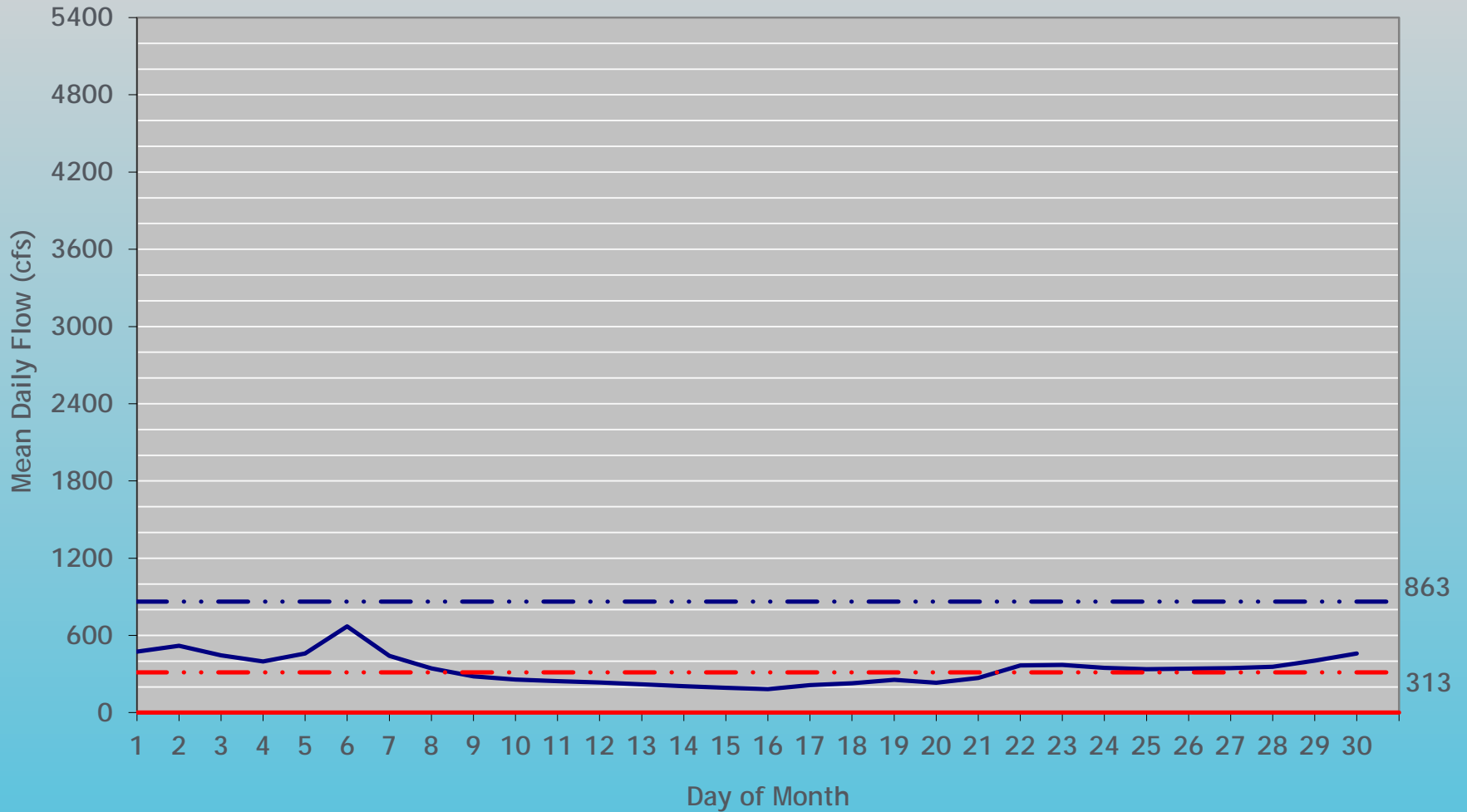
## April 2017



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

# KERSEY and BALZAC\*

## April 2017



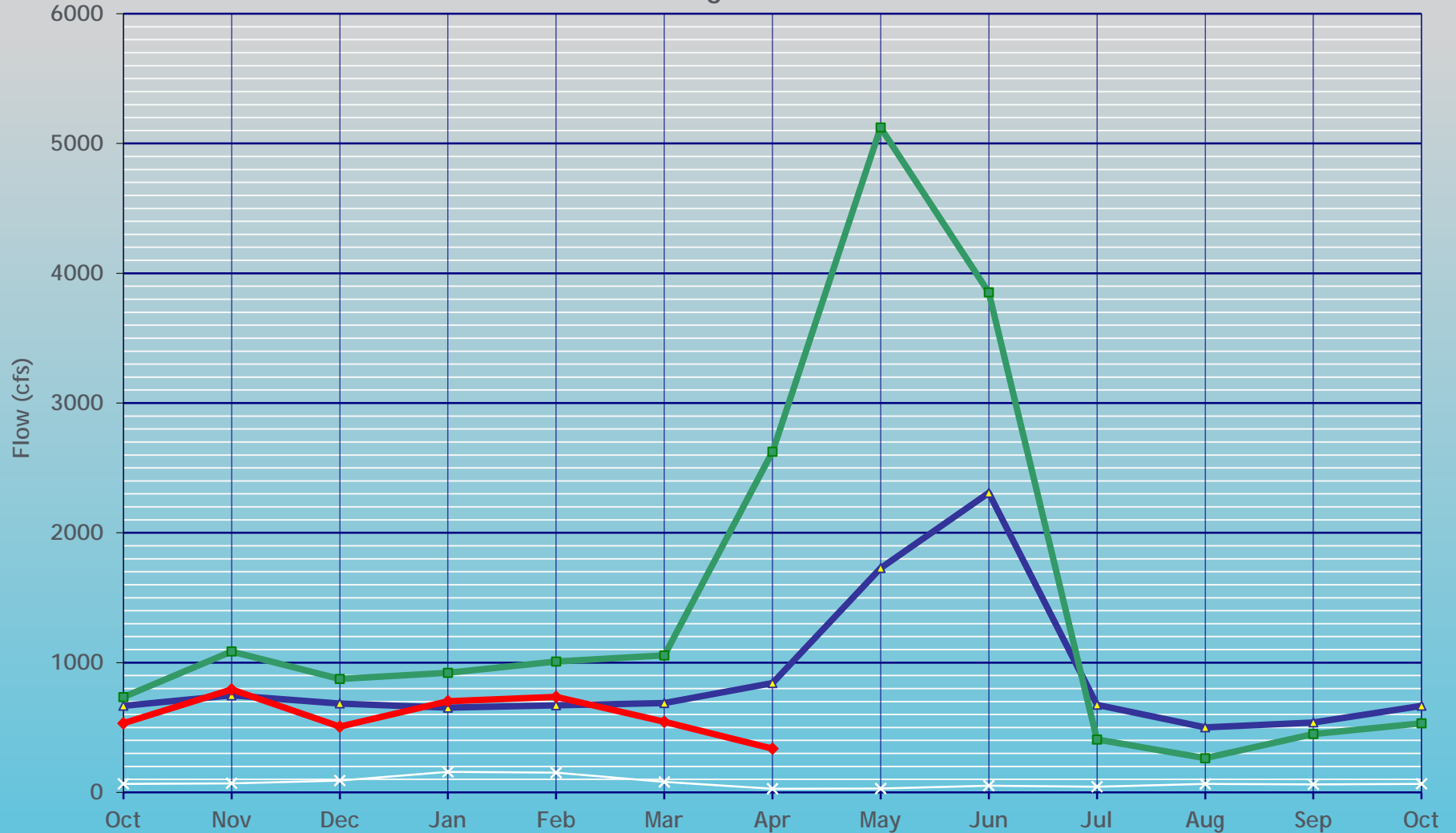
— Kersey    — \*Balzac is OFFLINE due to construction    - · - Kersey 1901-2013 Avg.    - · - Balzac 1917-2013 Avg.

## 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 2017 Mean Monthly Flow	Month	Historic* Mean Flow	Historic* Max Flow	Year	Historic* Min Flow	Year	IY 2017 Mean Monthly Flow
Oct	667	6180	1984	66	1954	532	Oct	299	3130	1984	4.2	1903	134
Nov	747	3650	1984	70	1934	793	Nov	335	2900	1984	4.2	1903	347
Dec	685	1890	1961	91	1934	506	Dec	401	1820	1984	13	2002	285
Jan	652	2160	1974	158	1935	703	Jan	512	2510	1970	21	2003	994
Feb	671	3060	1914	152	1935	736	Feb	578	3220	1930	29	2005	535
Mar	688	3470	1983	80	1935	544	Mar	512	12900	1910	15	1904	130
Apr	842	18100	1942	28	1955	337	Apr	514	14400	1942	4.0	1904	163
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 1902-2016							*Period of record 1902-2016						

# South Platte River at Kersey

Irrigation Year

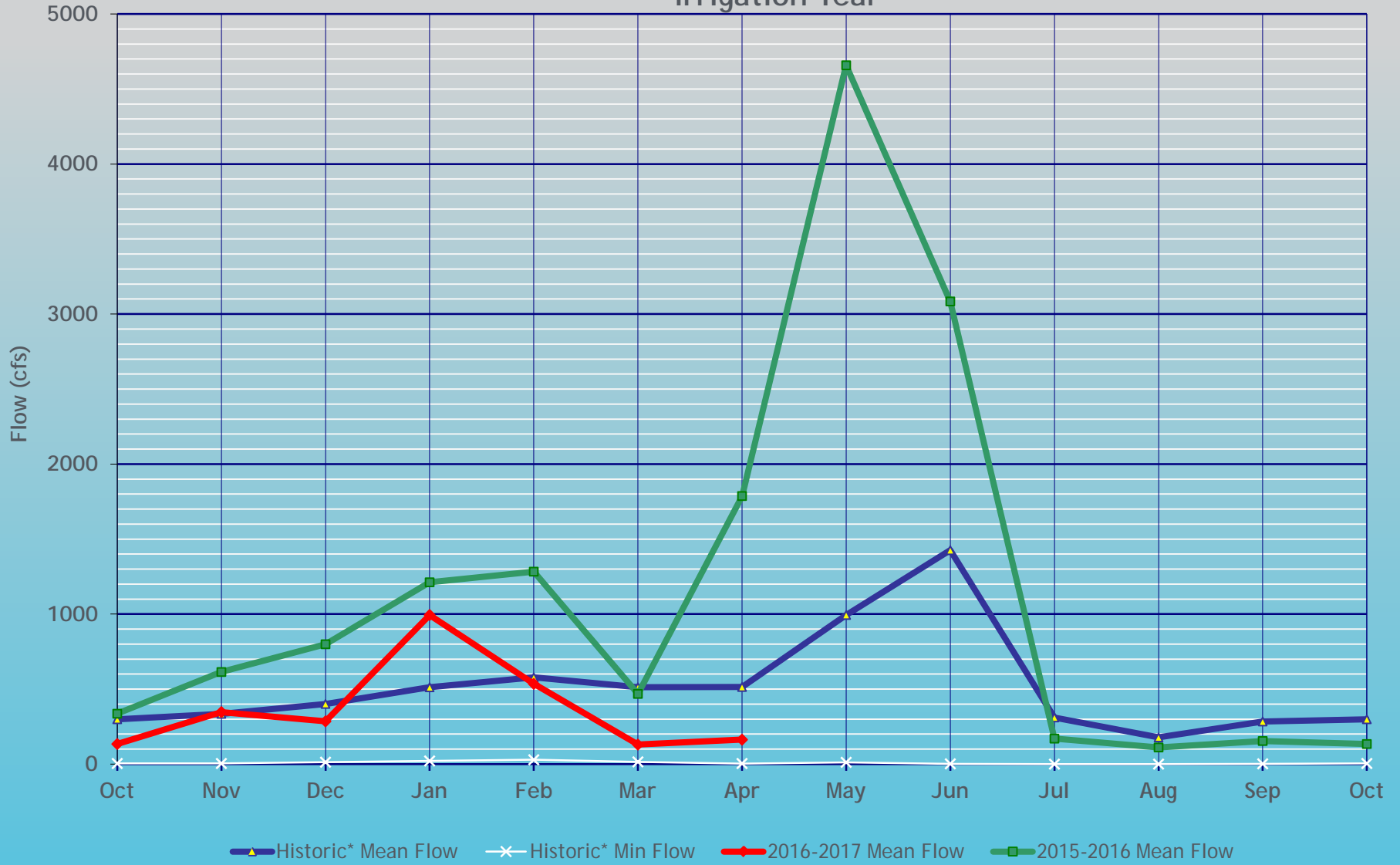


Historic\* Mean Flow    Historic\* Min Flow    2016-2017 Mean Flow    2015-2016 Mean Flow

\*1901-2016

# South Platte River at Julesburg

Irrigation Year

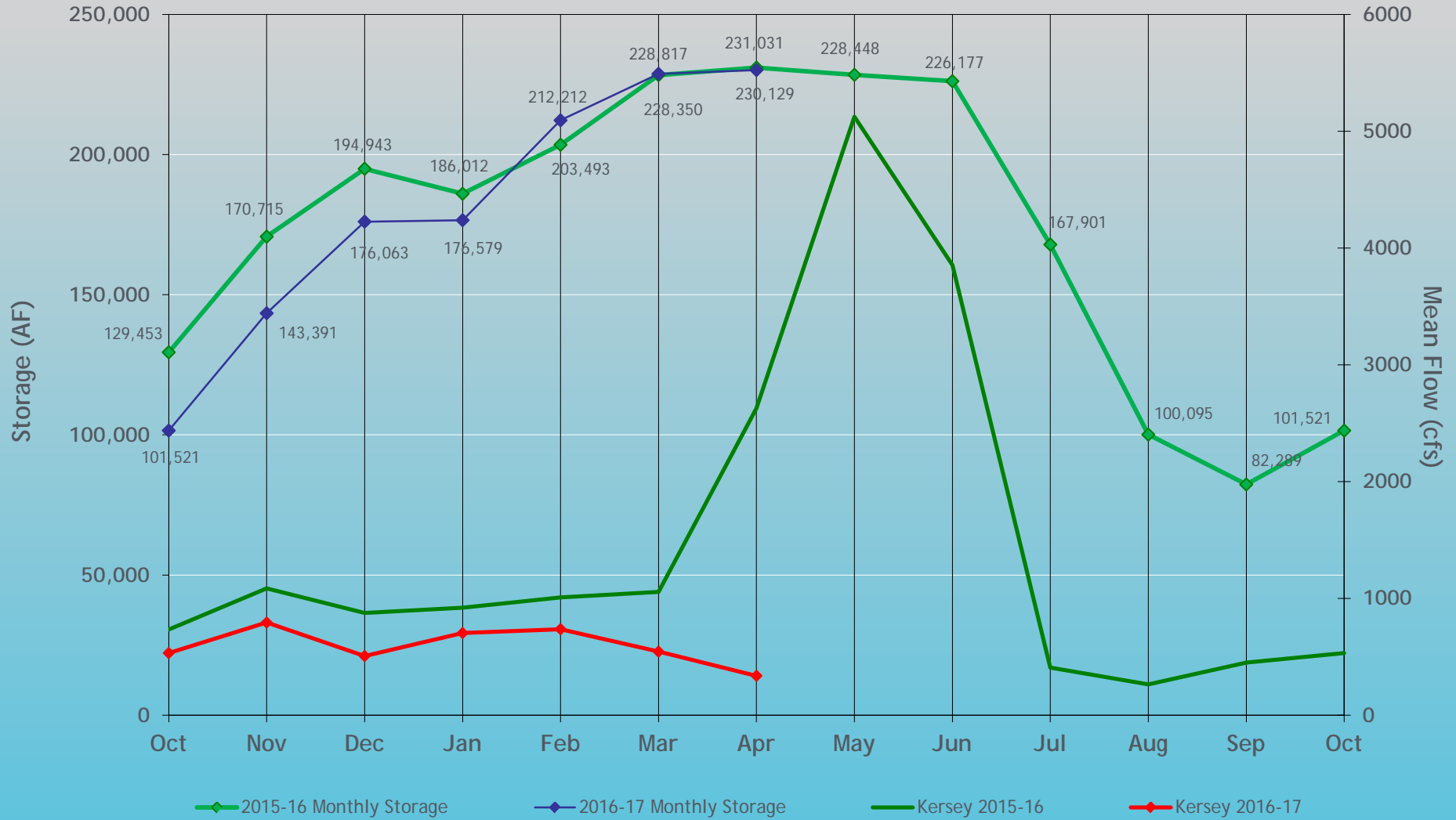






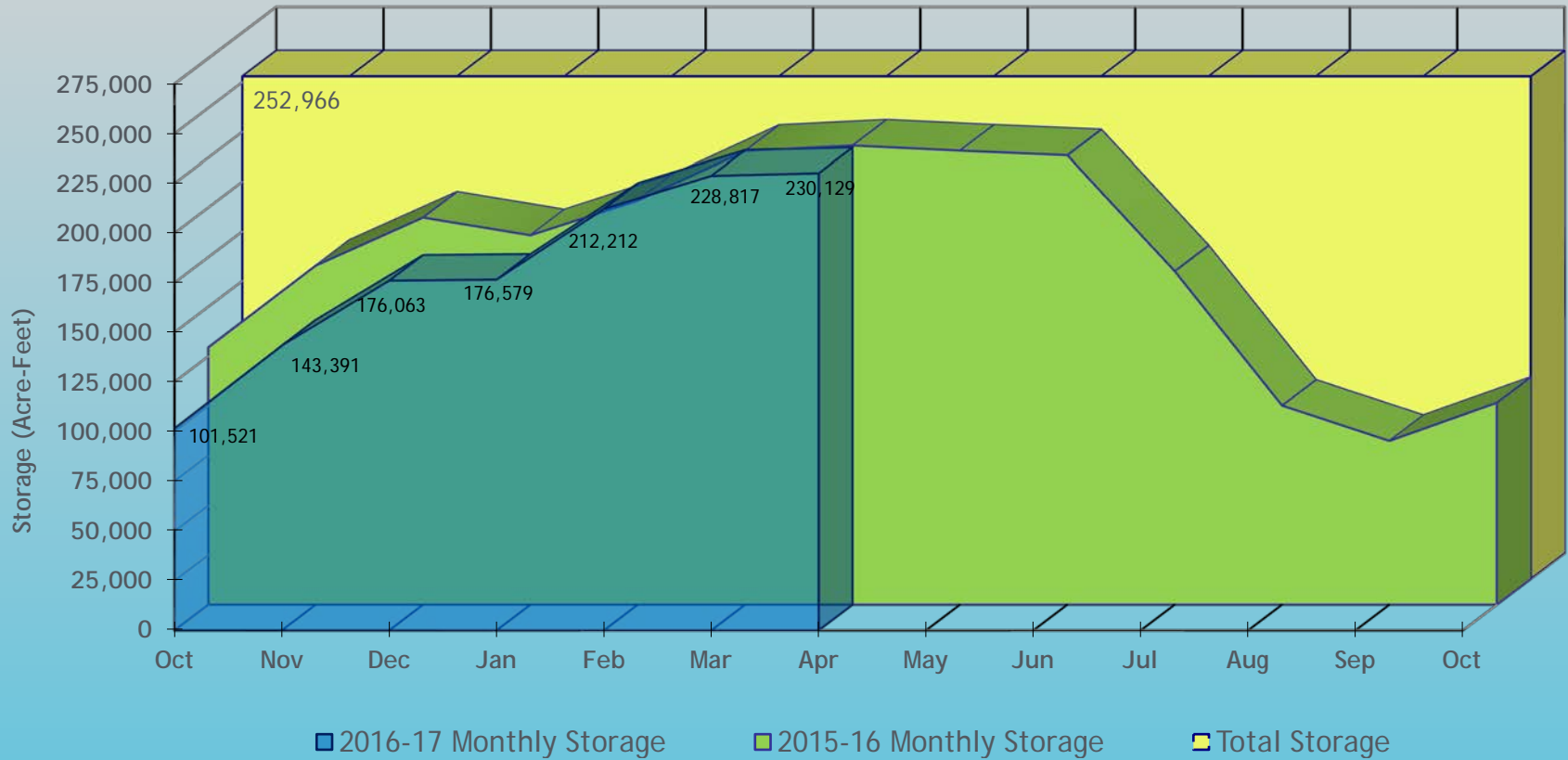
# Reservoir Storage below Kersey

Selected Reservoirs\*



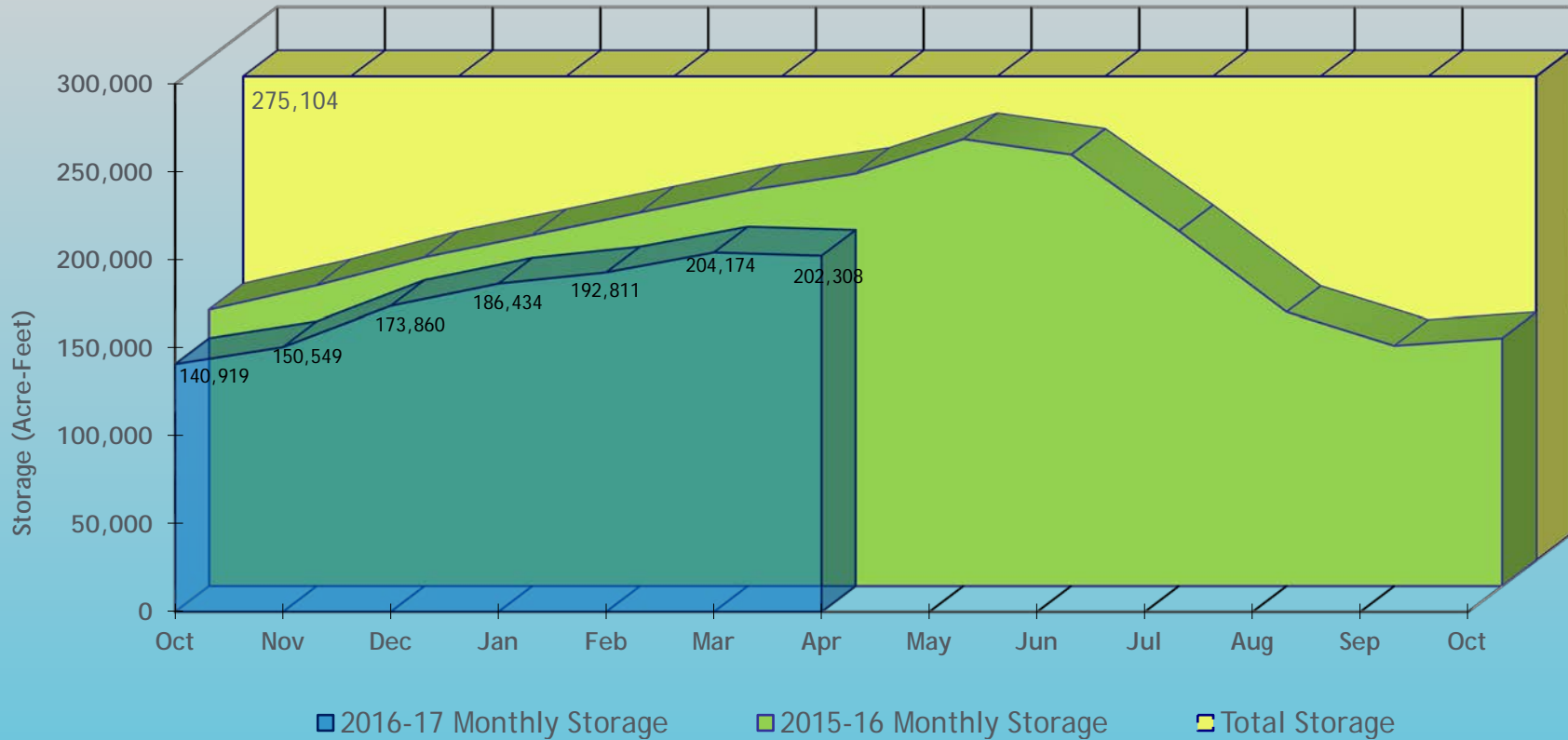
\*Empire, Riverside, Jackson, Prewitt, North Sterling, & Julesburg

# South Platte Reservoir Storage below Kersey\*



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

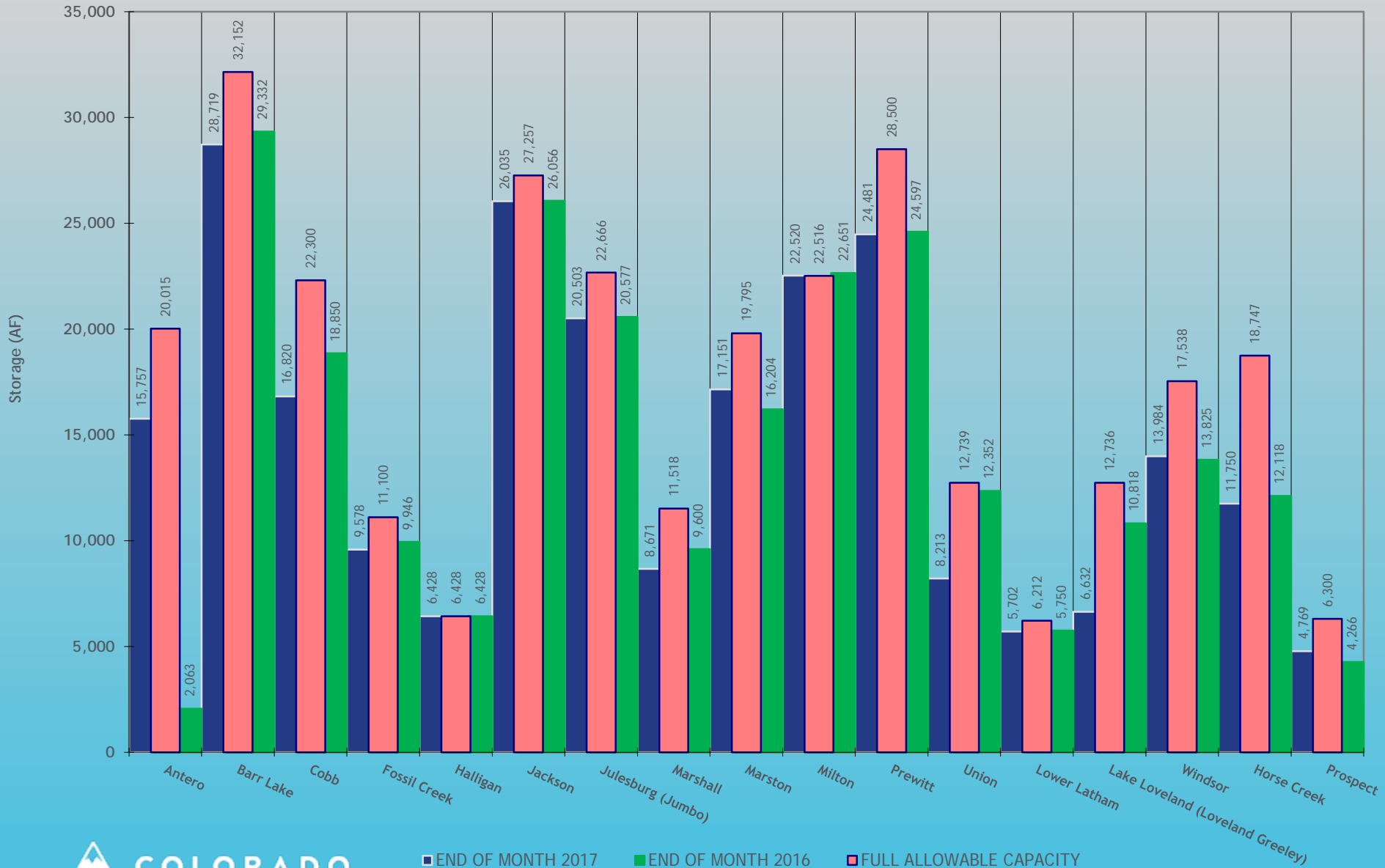
# South Platte Reservoir Storage above Kersey\*



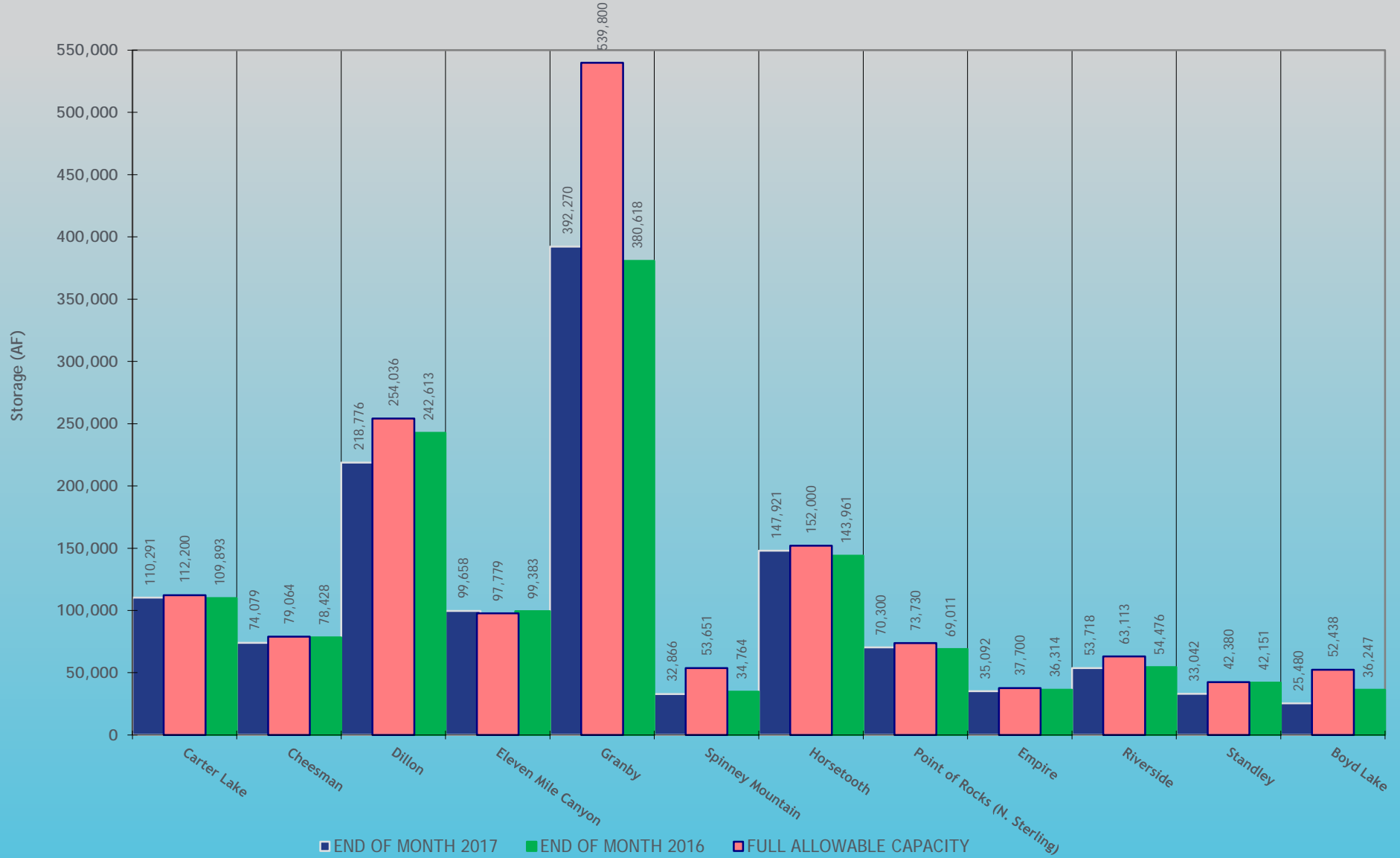
\*Barr, Cobb, Fossil Crk, Halligan, Marshall, Milton, Union, Standley, Lower Latham, Boyd, Loveland, Windsor, Horse Crk, & Prospect



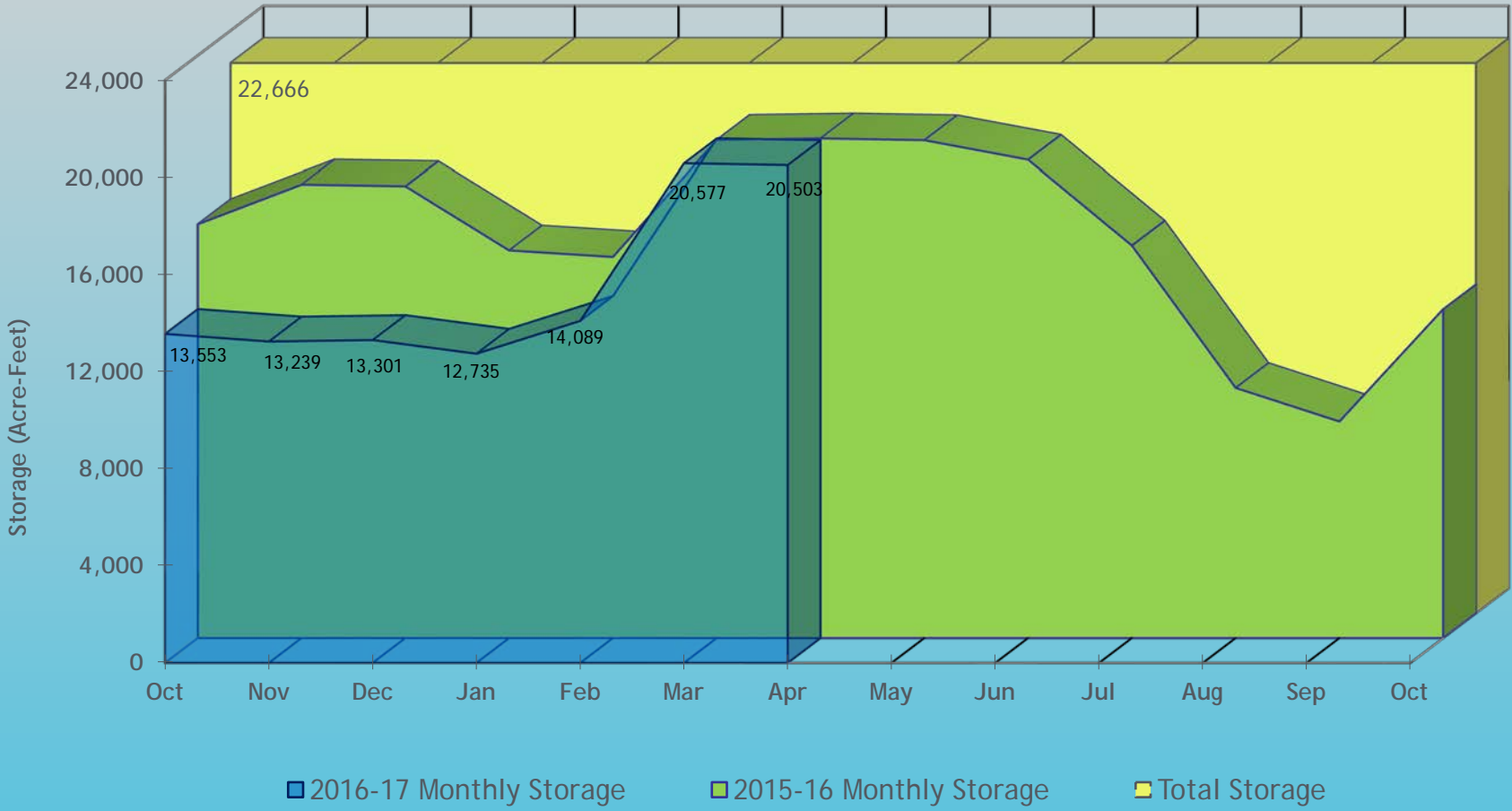
# April Reservoir Change in Storage 2016 versus 2017



# April Reservoir Change in Storage 2016 versus 2017

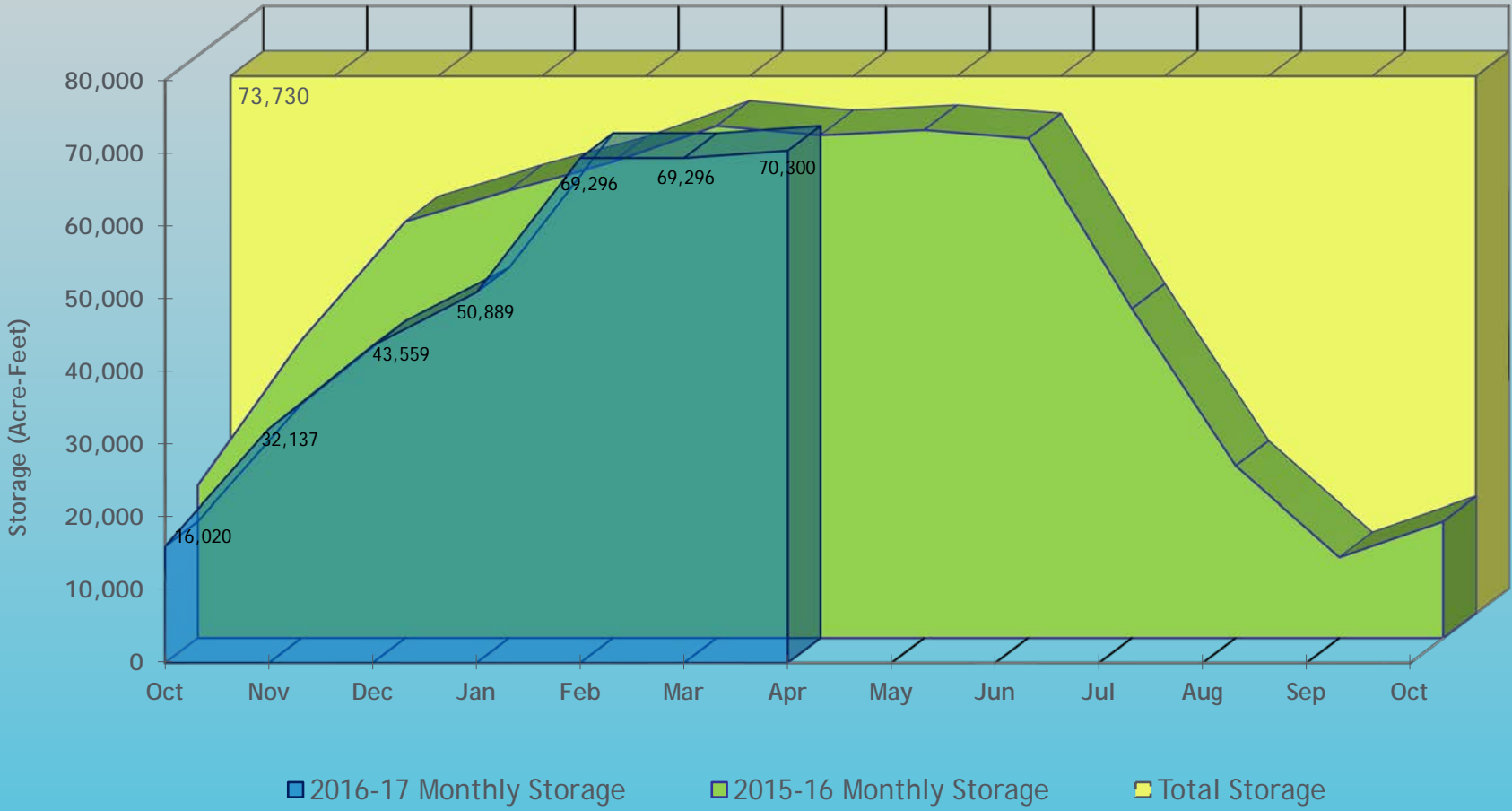


# Julesburg Reservoir (District 64 - Agricultural)

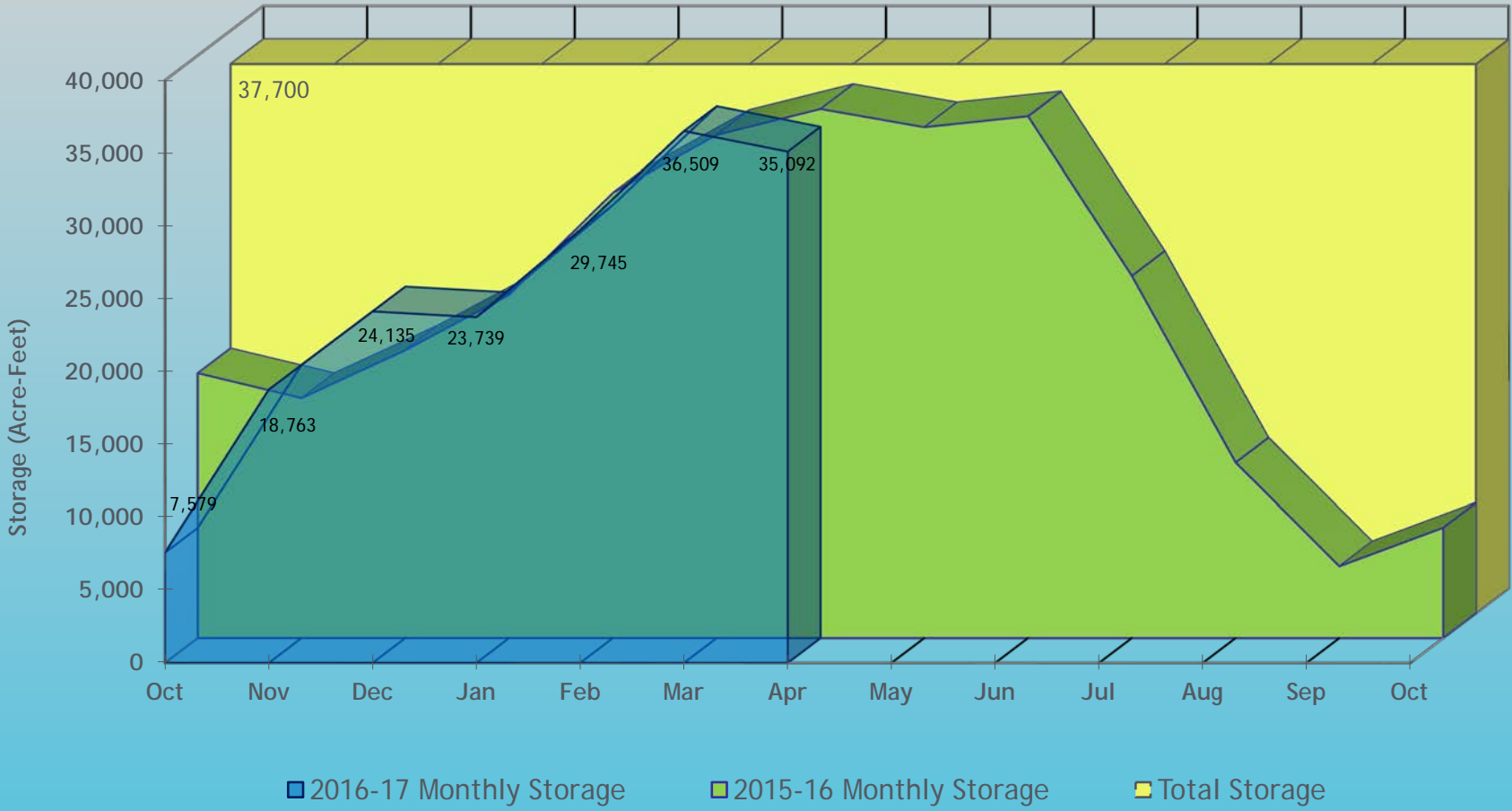




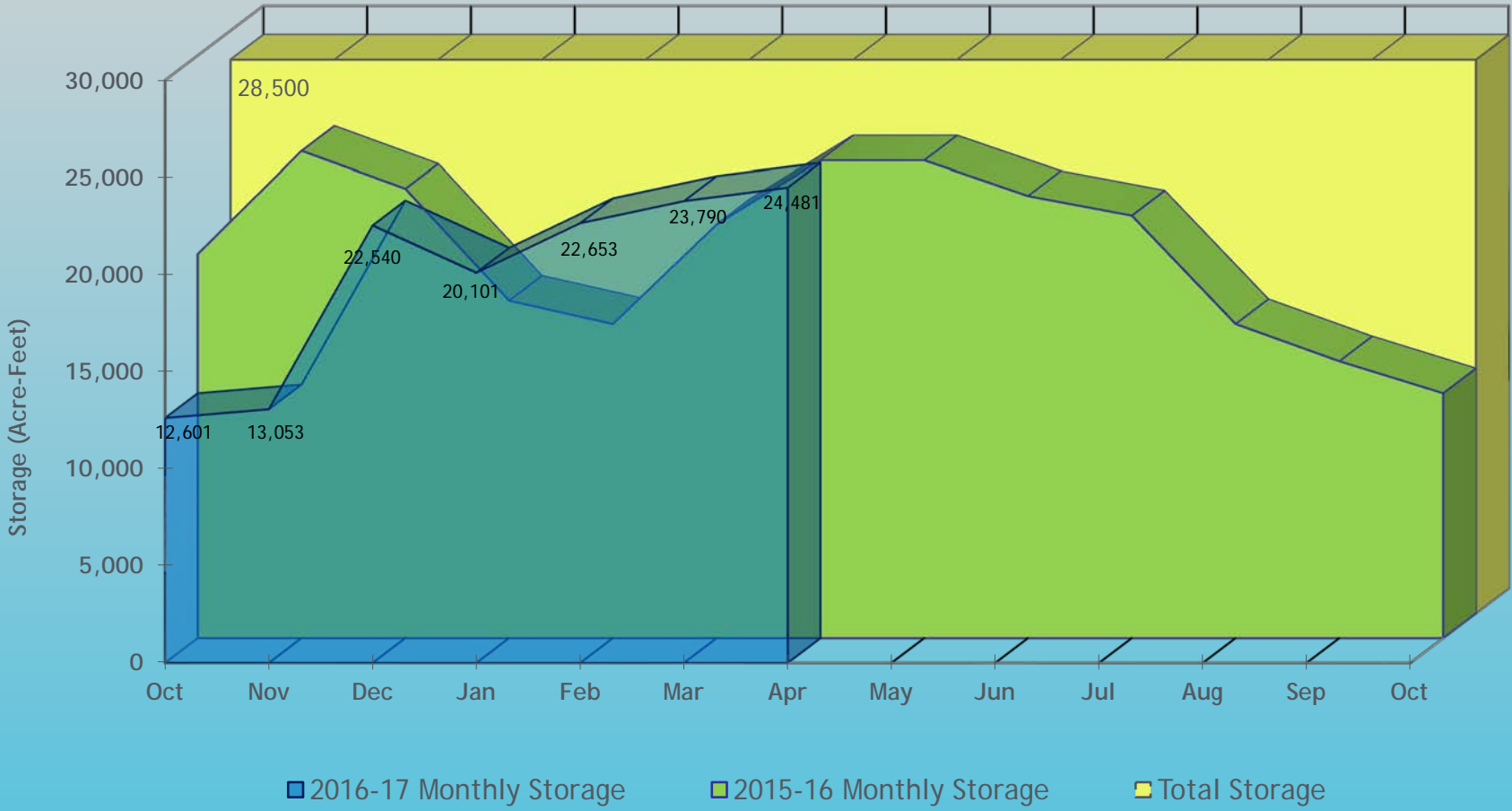
# North Sterling Reservoir (District 64 - Agricultural)



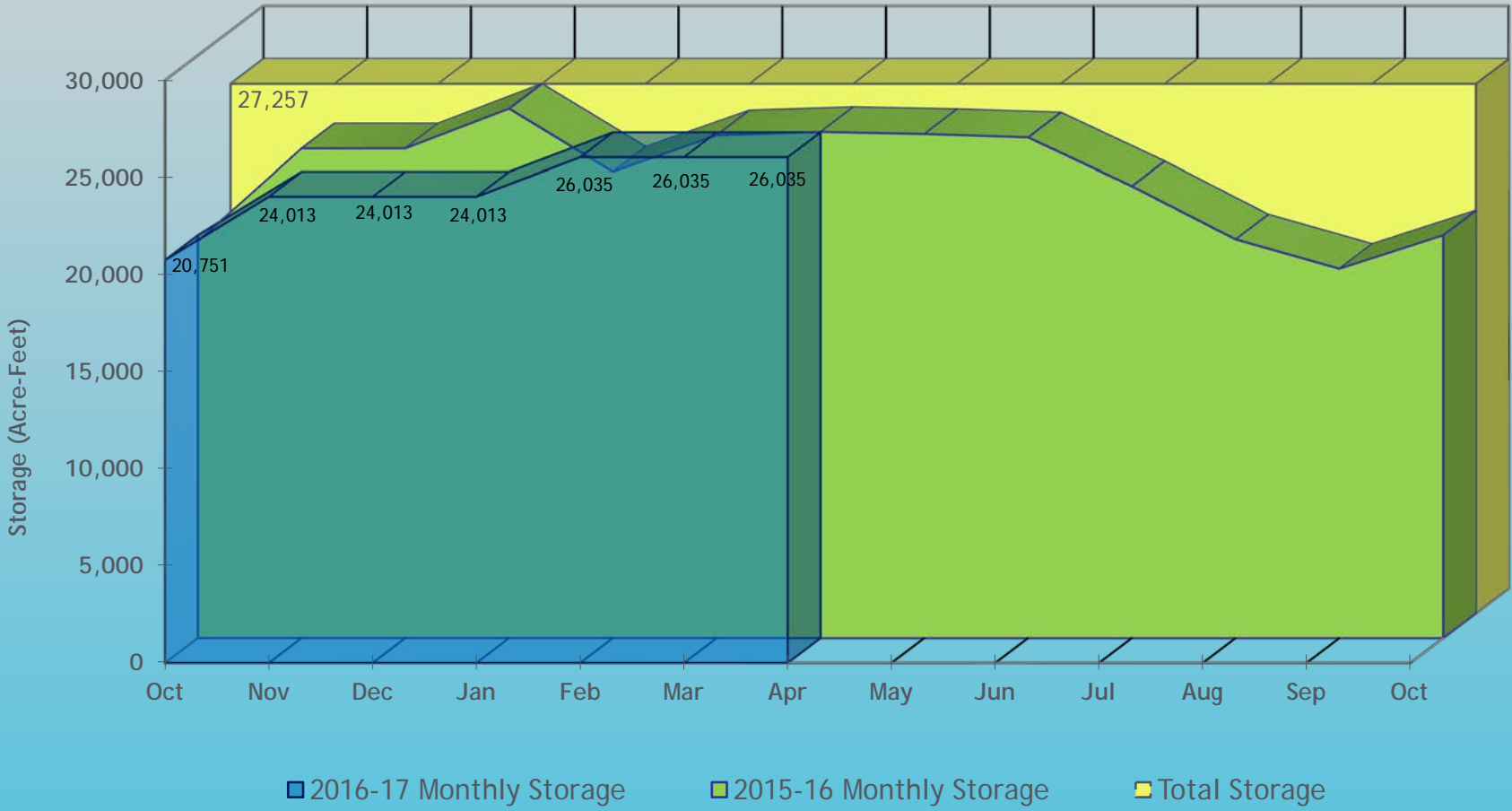
# Empire Reservoir (District 1 - Agricultural)



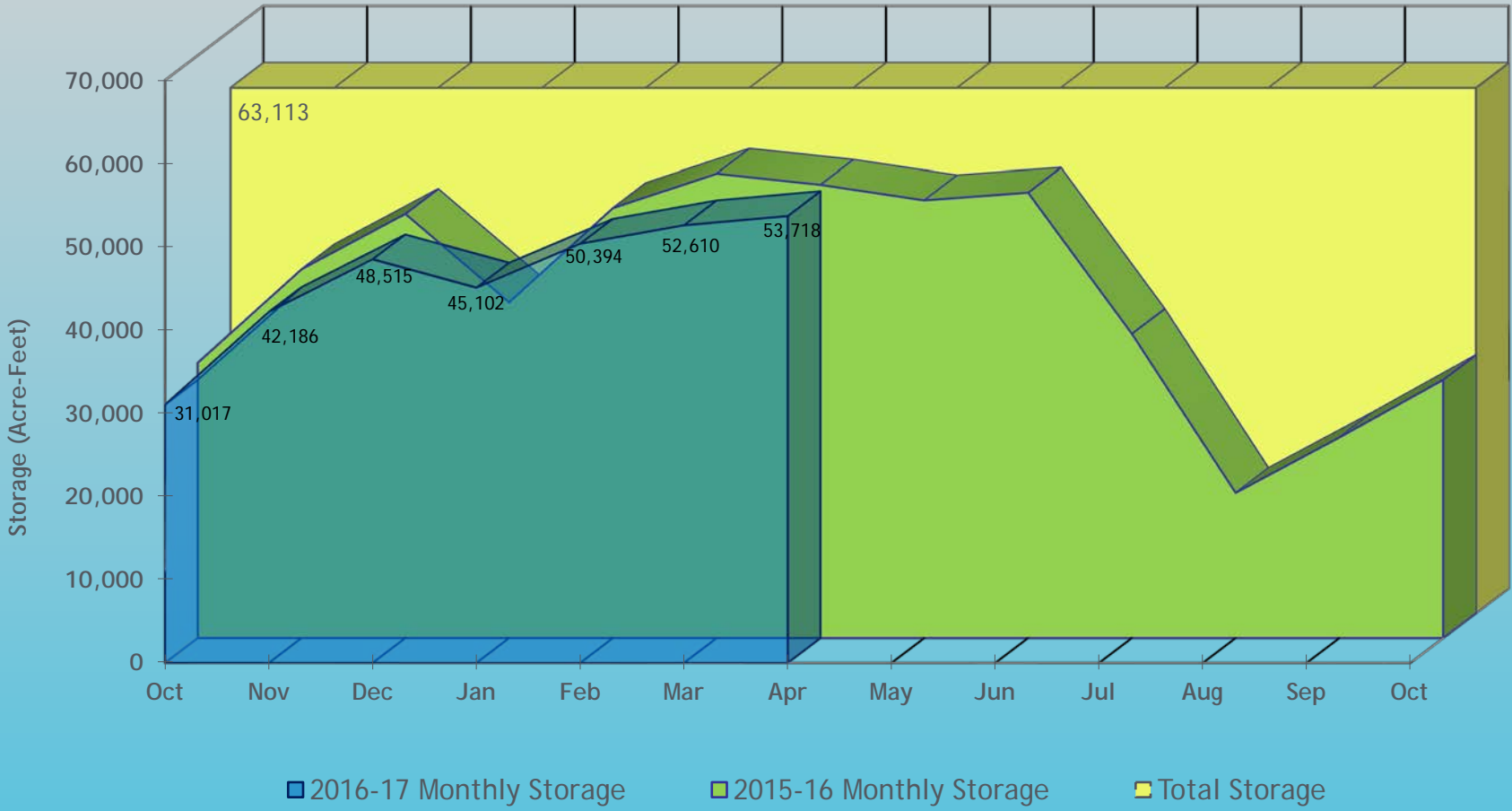
# Prewitt Reservoir (District 64 - Agricultural)



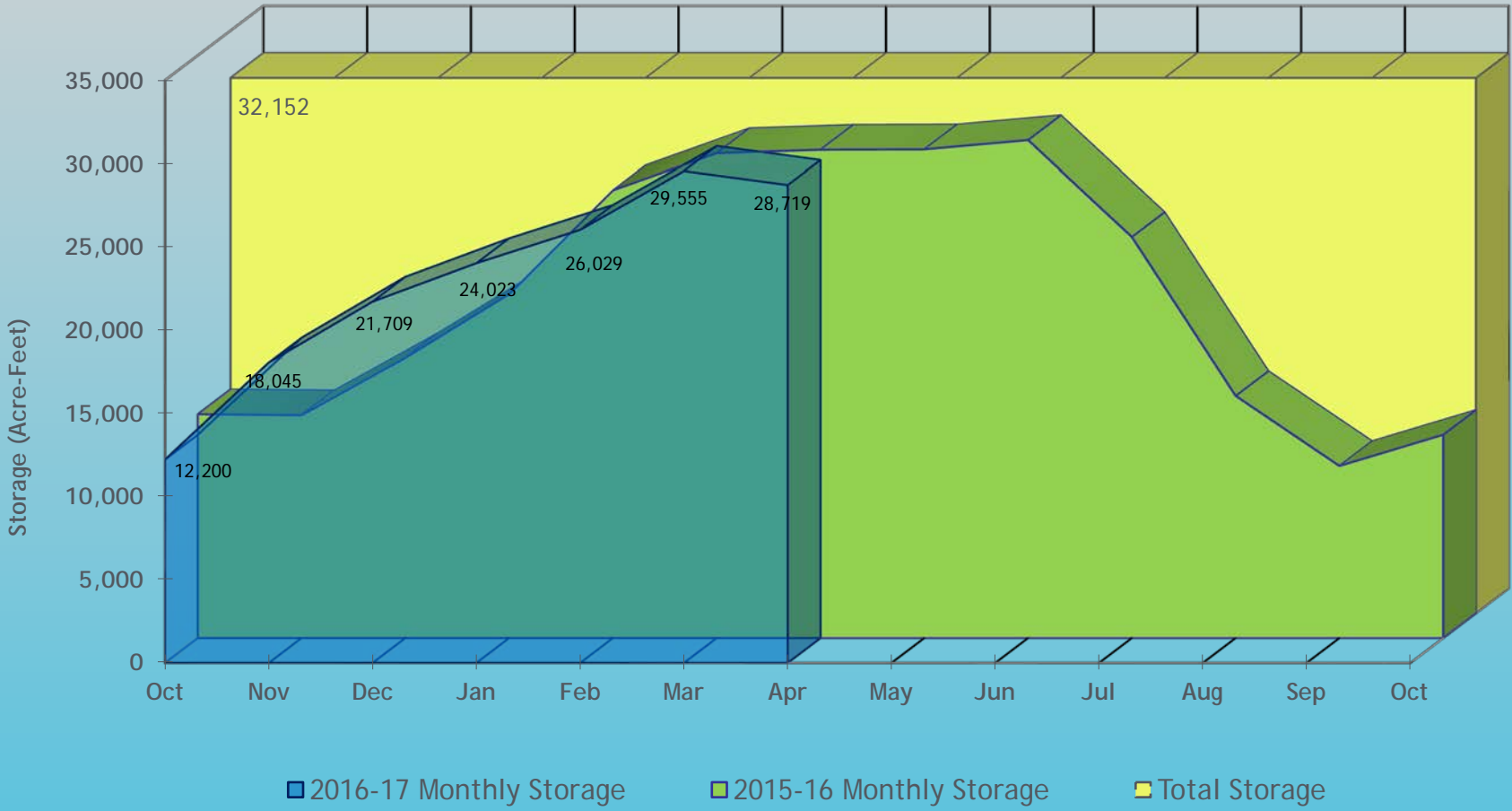
# Jackson Reservoir (District 1 - Agricultural)



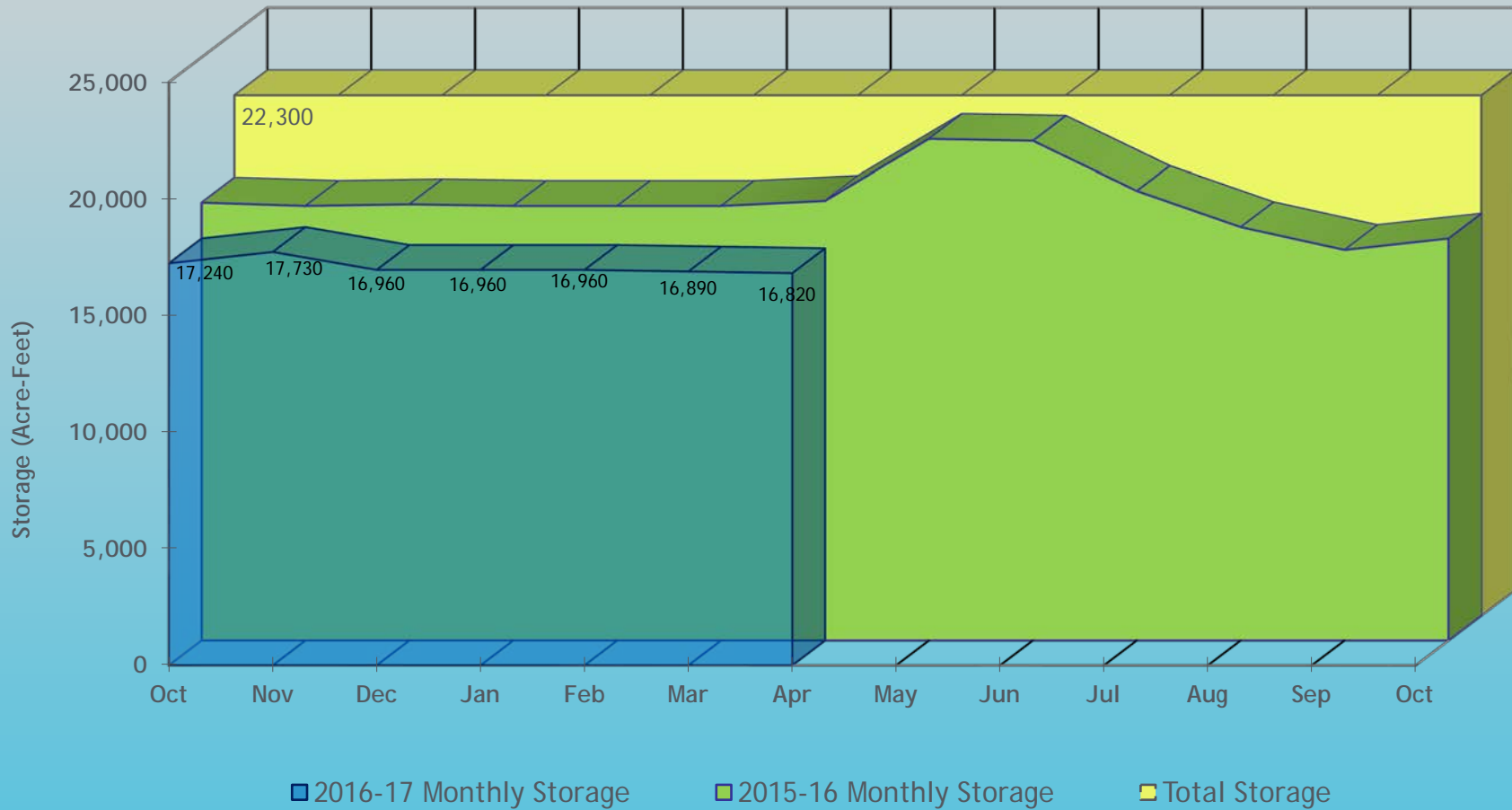
# Riverside Reservoir (District 1 - Agricultural)



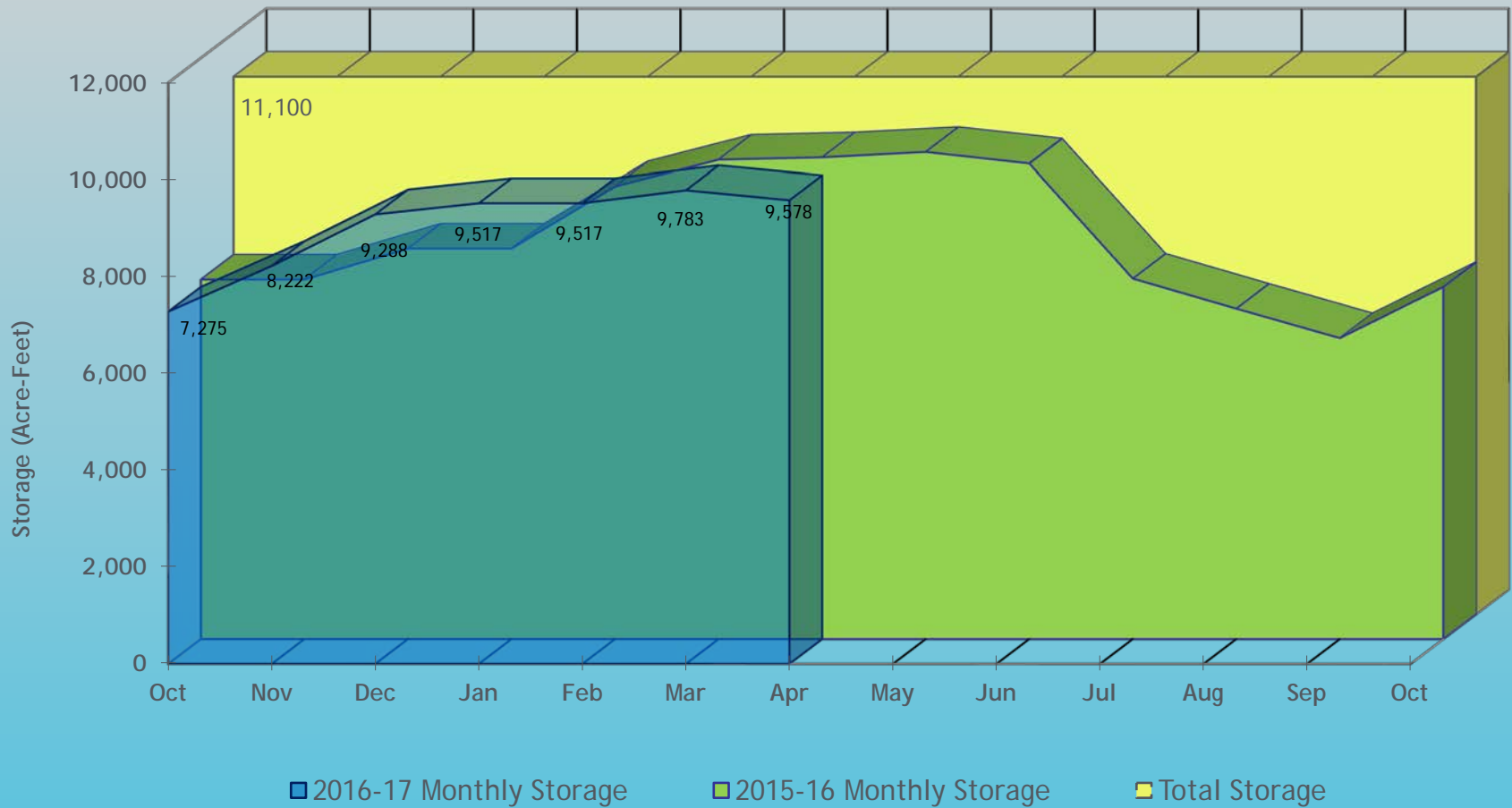
# Barr Reservoir (District 2 - Agricultural)



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

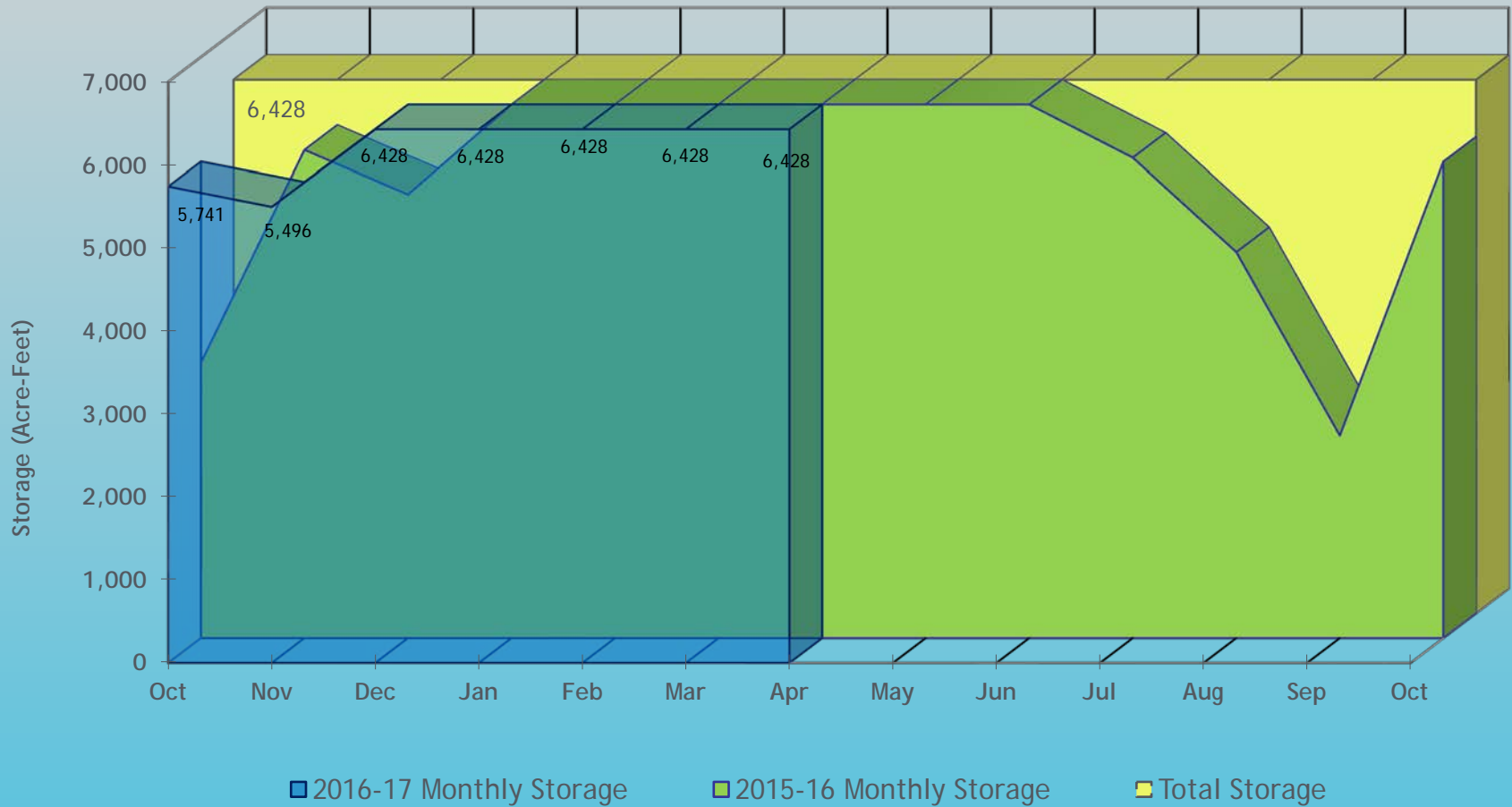


# Fossil Creek Reservoir (District 3, Poudre River - Agricultural)

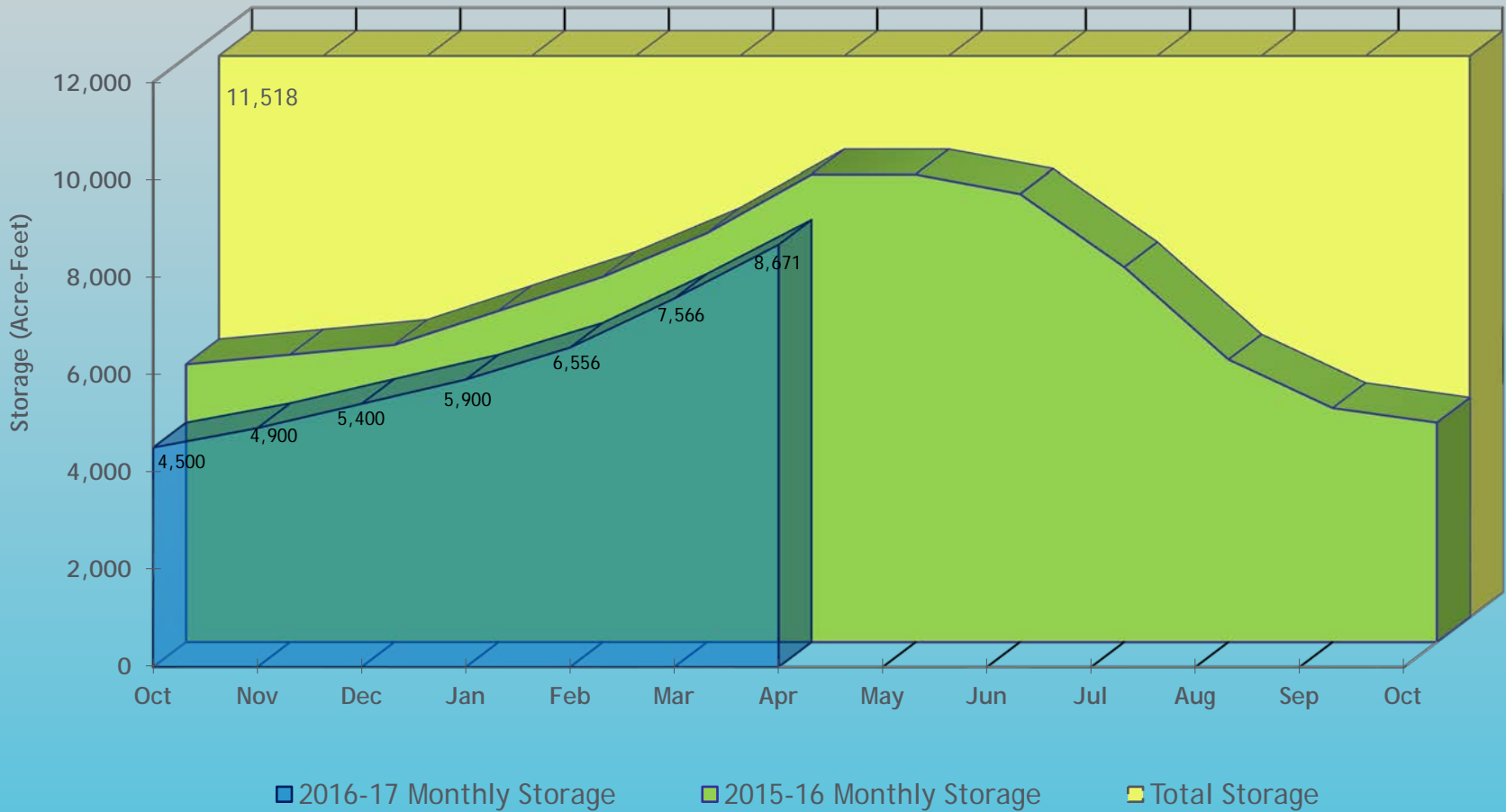




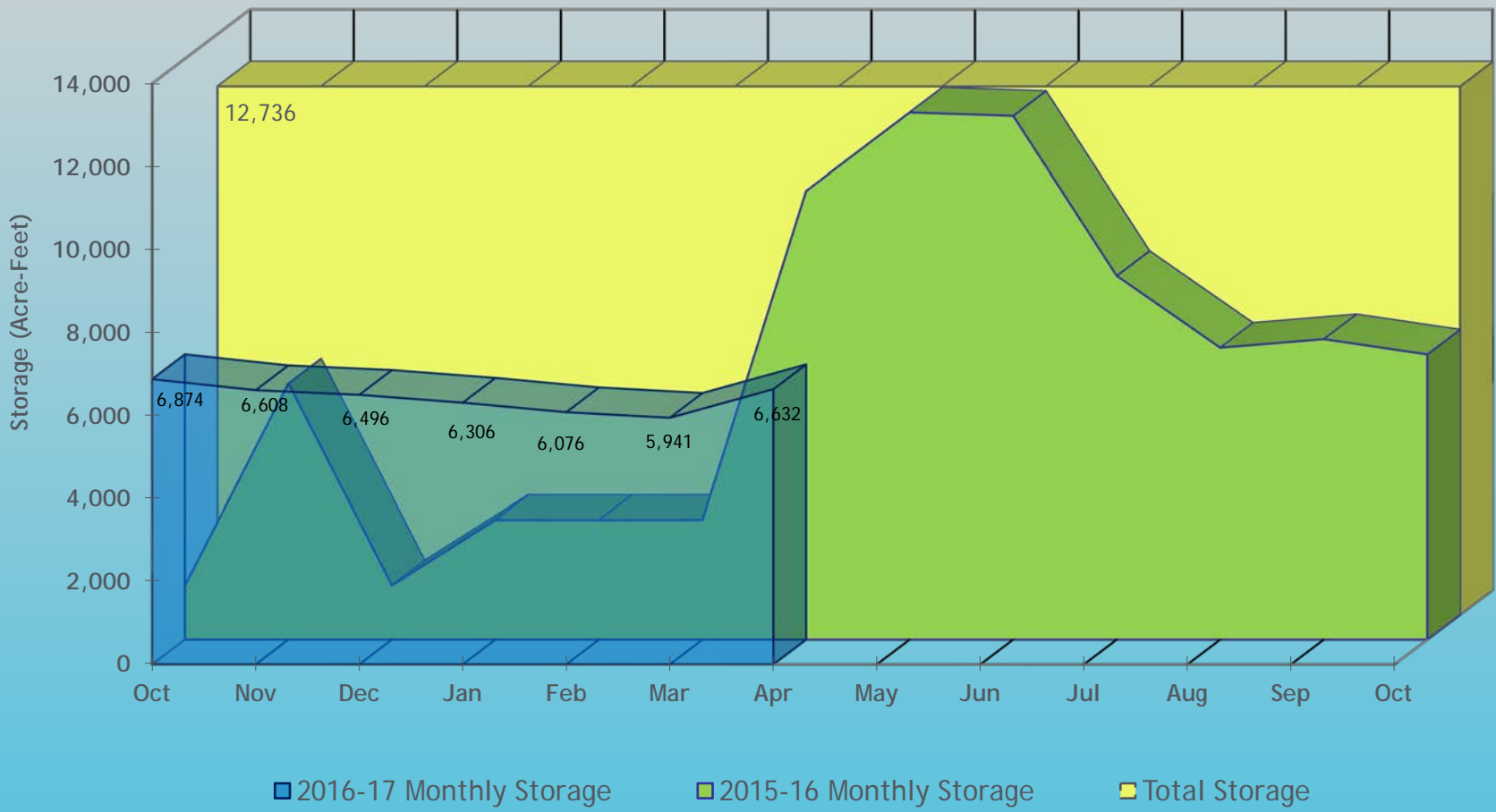
# Halligan Reservoir (District 3, Poudre River - Agricultural)



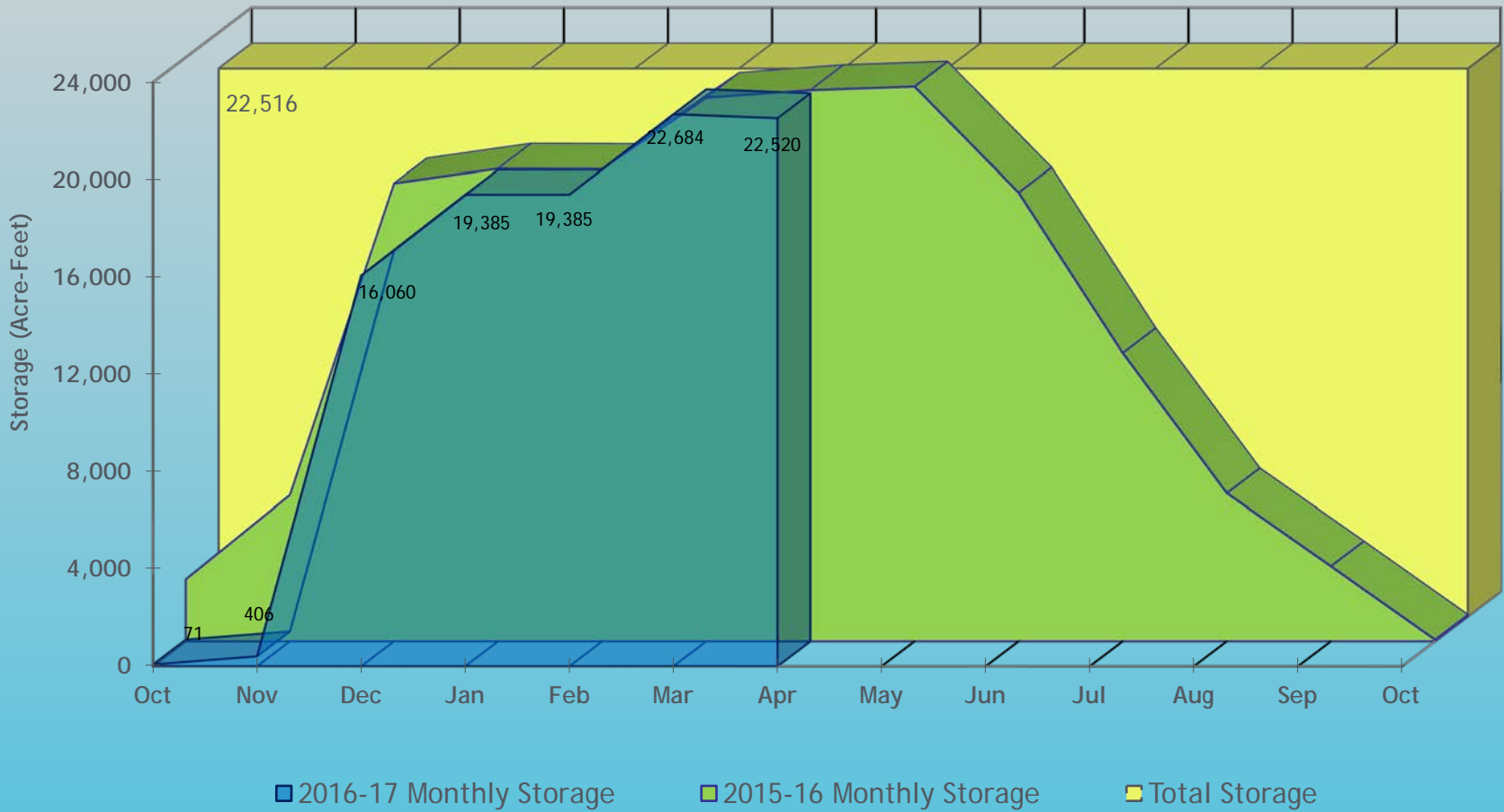
# Marshall Lake (District 6, Boulder Creek - Agricultural)



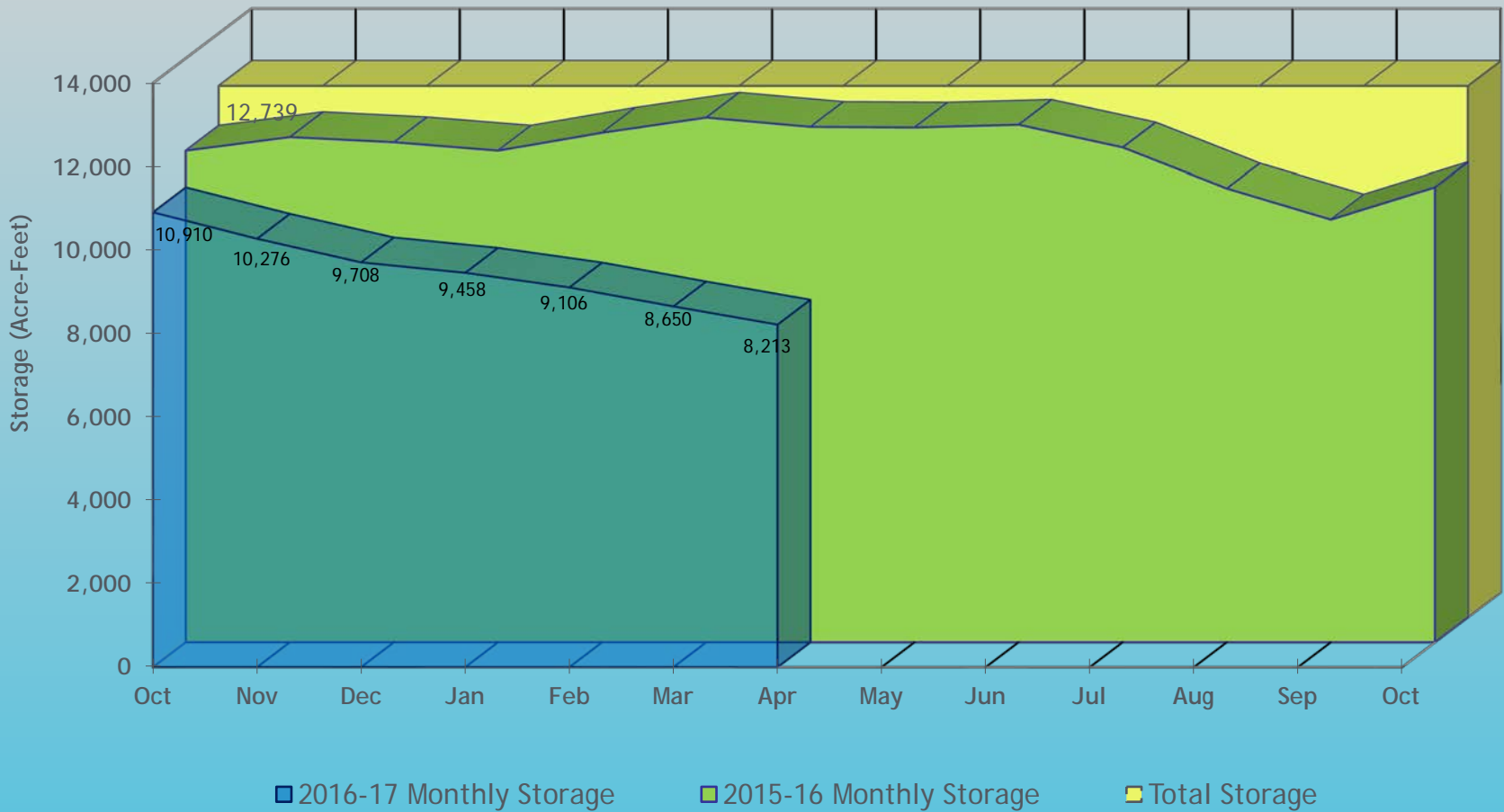
# Loveland Greeley Reservoir (District 4, Big Thompson River - Agricultural)



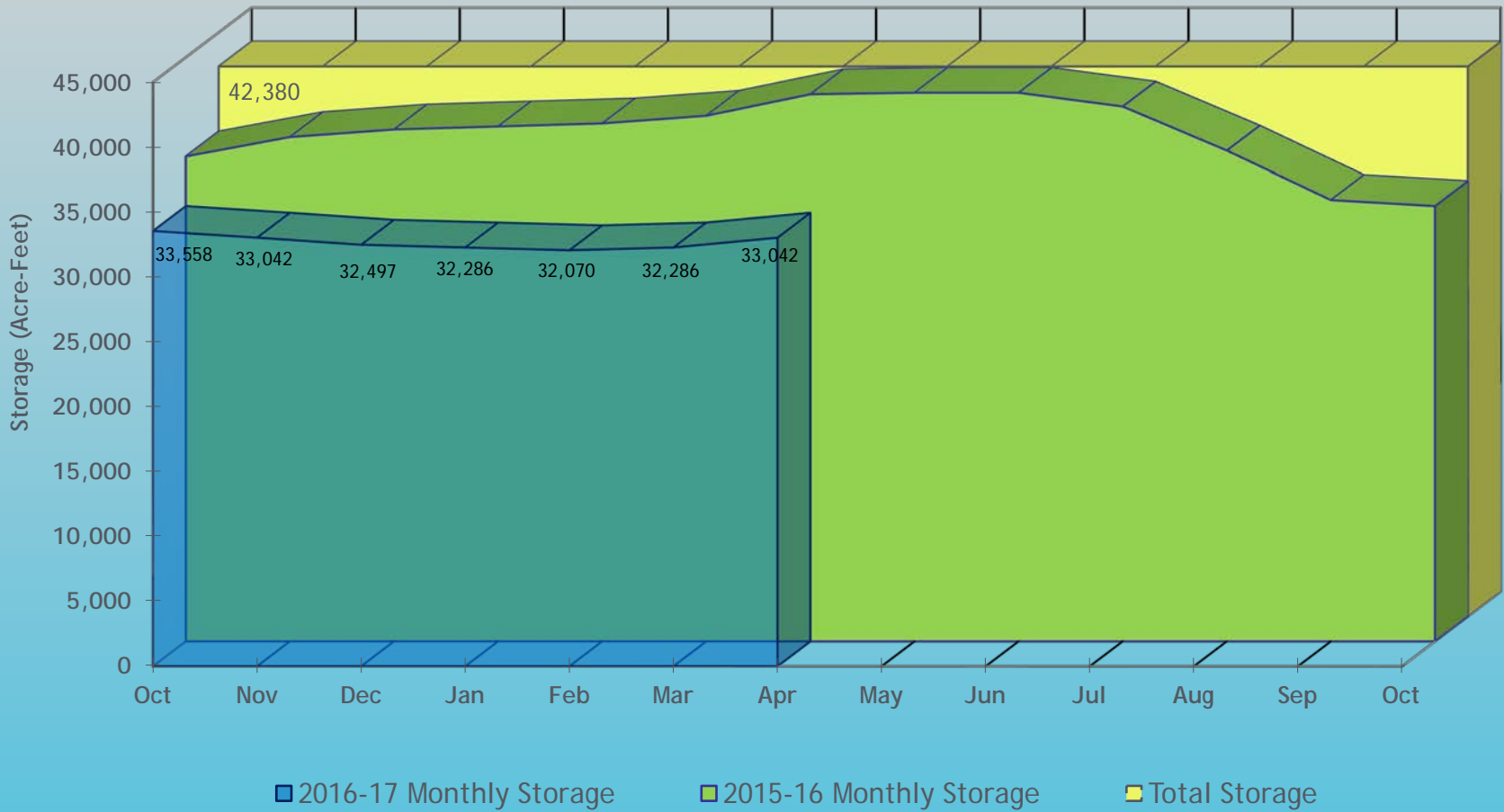
# Milton Reservoir (District 2 - Agricultural)



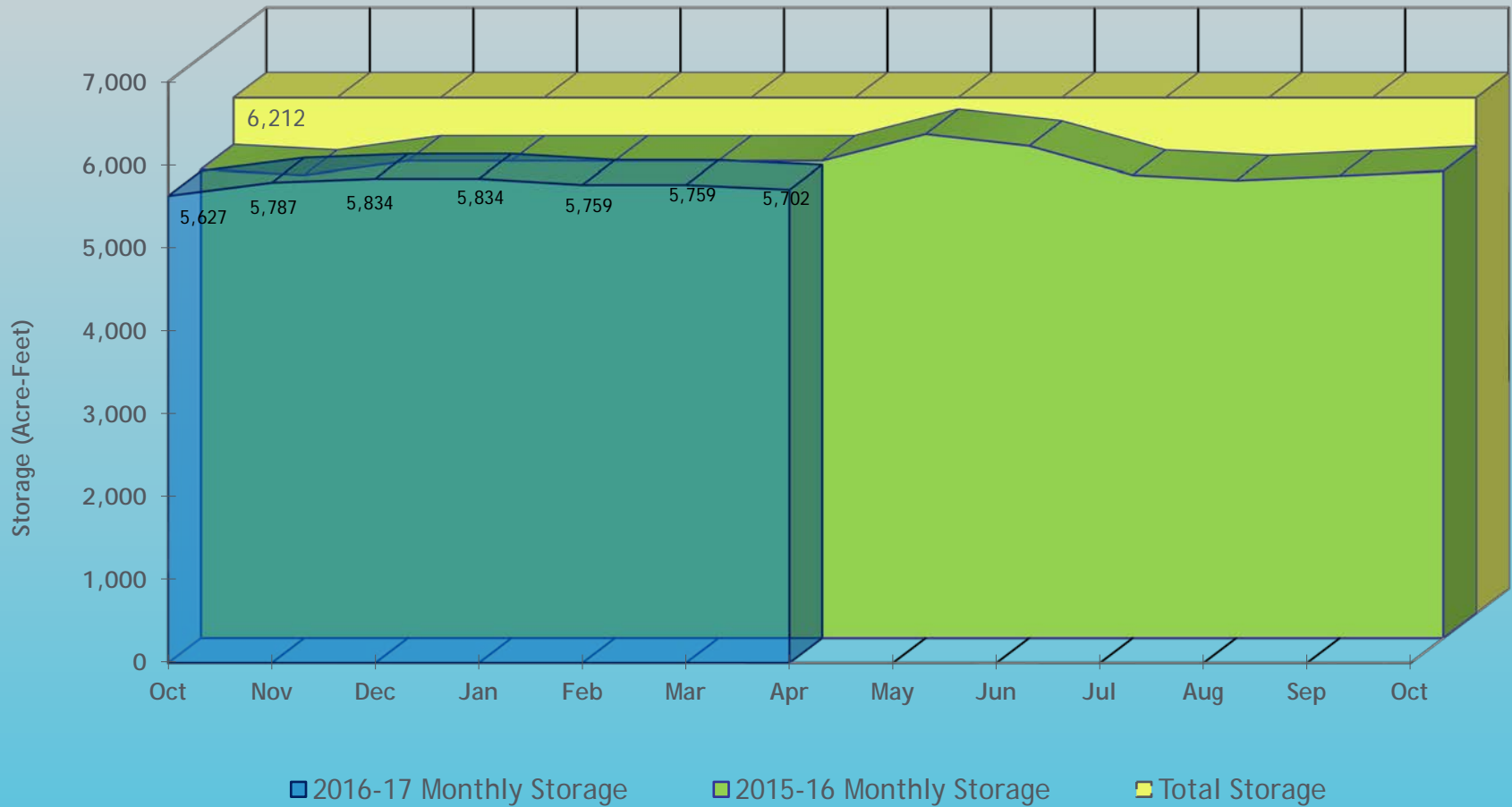
# Union Reservoir (District 5, St. Vrain Creek - Agricultural)



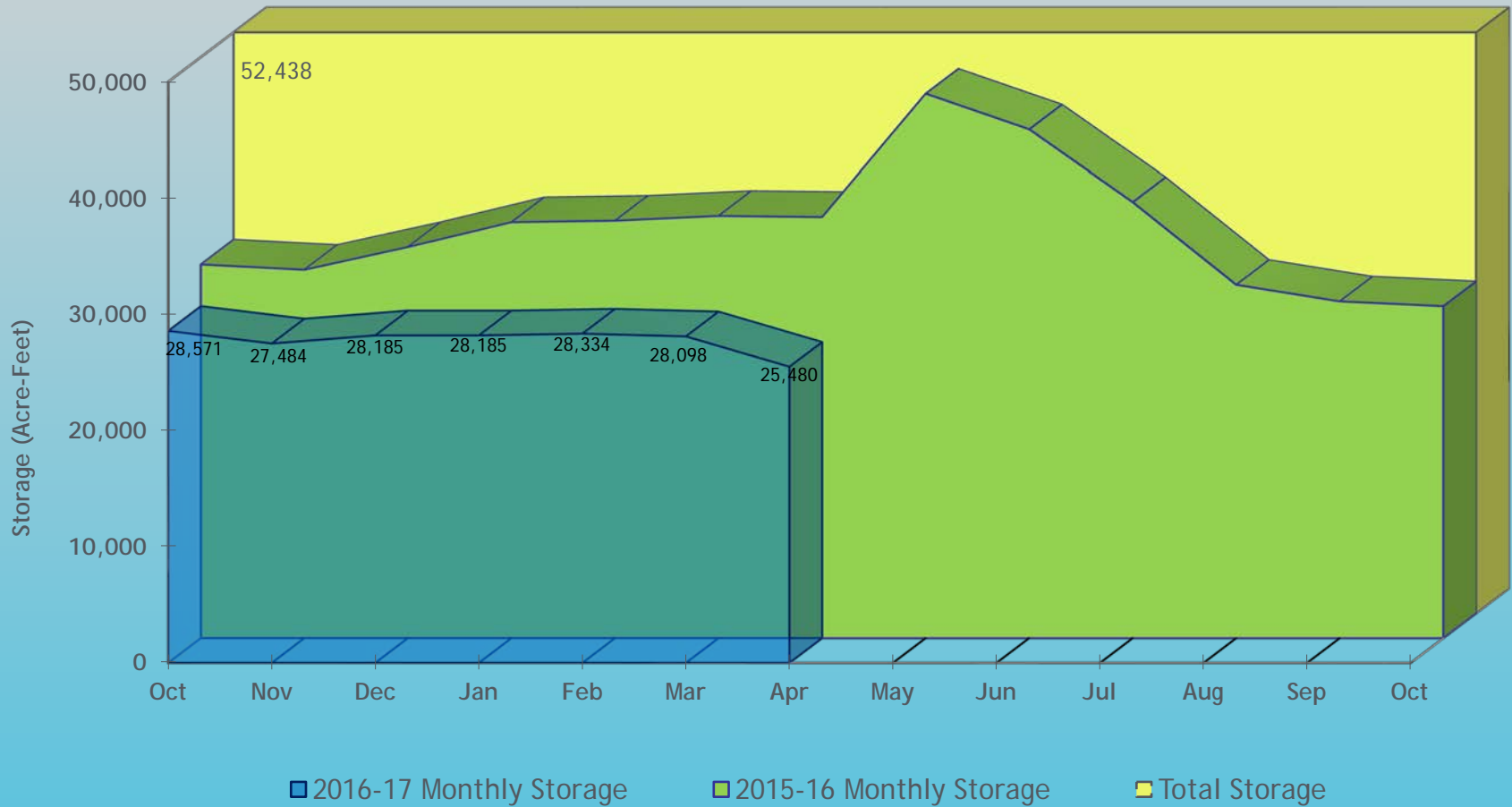
# Standley Lake (Agricultural)



# Lower Latham Reservoir (District 2 - Agricultural)

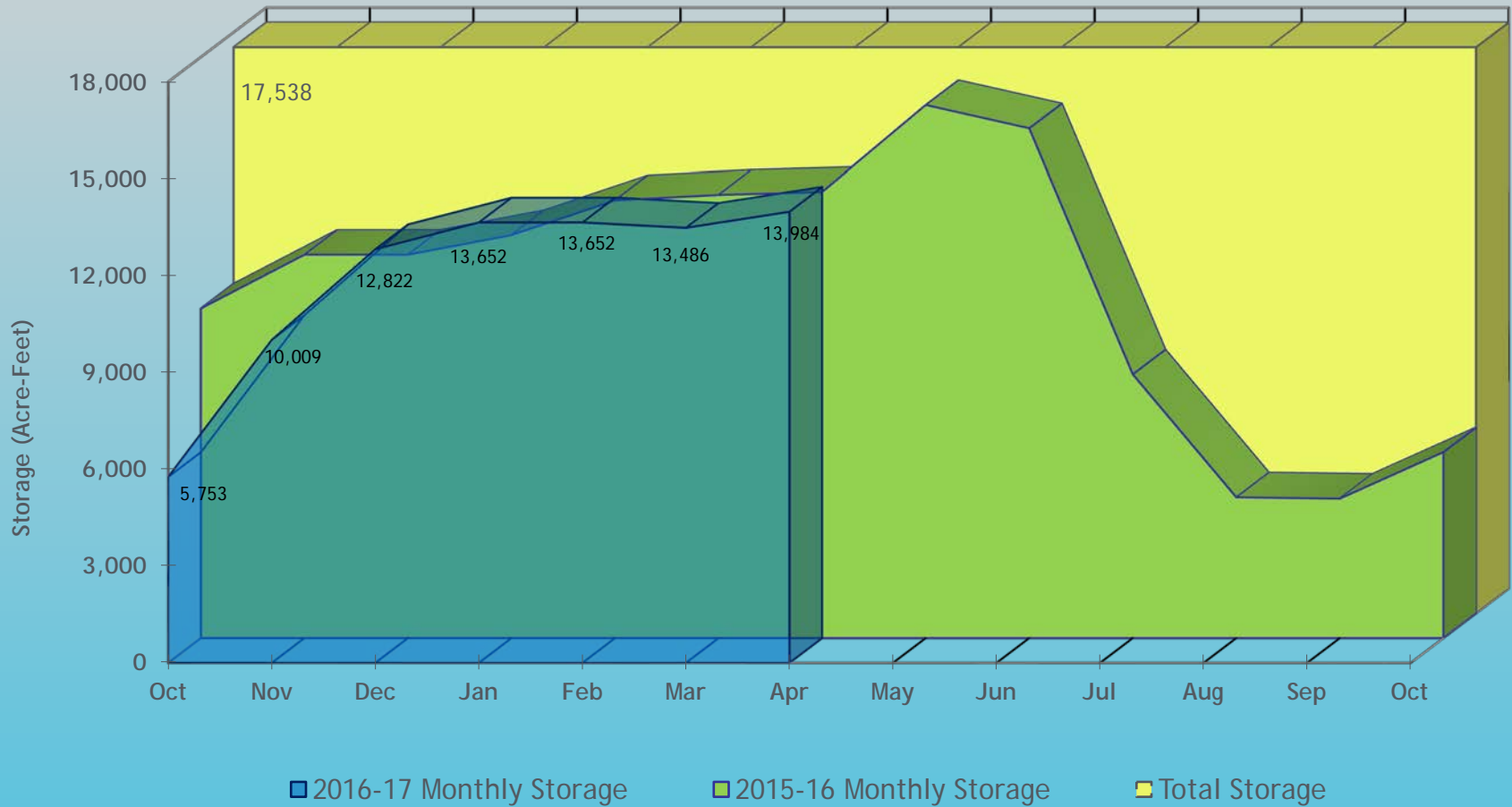


# Boyd Lake (District 4, Big Thompson River - Agricultural)

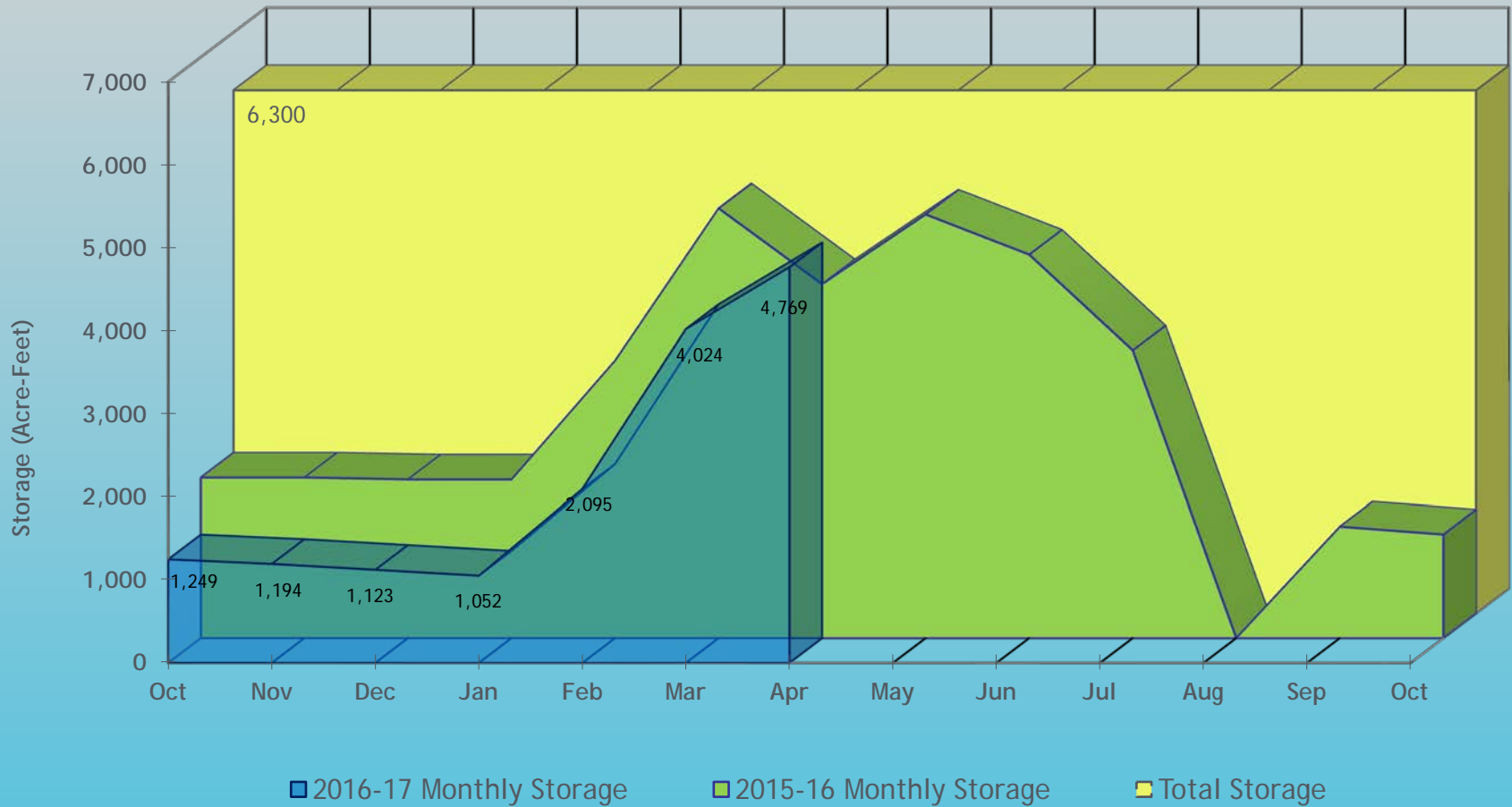




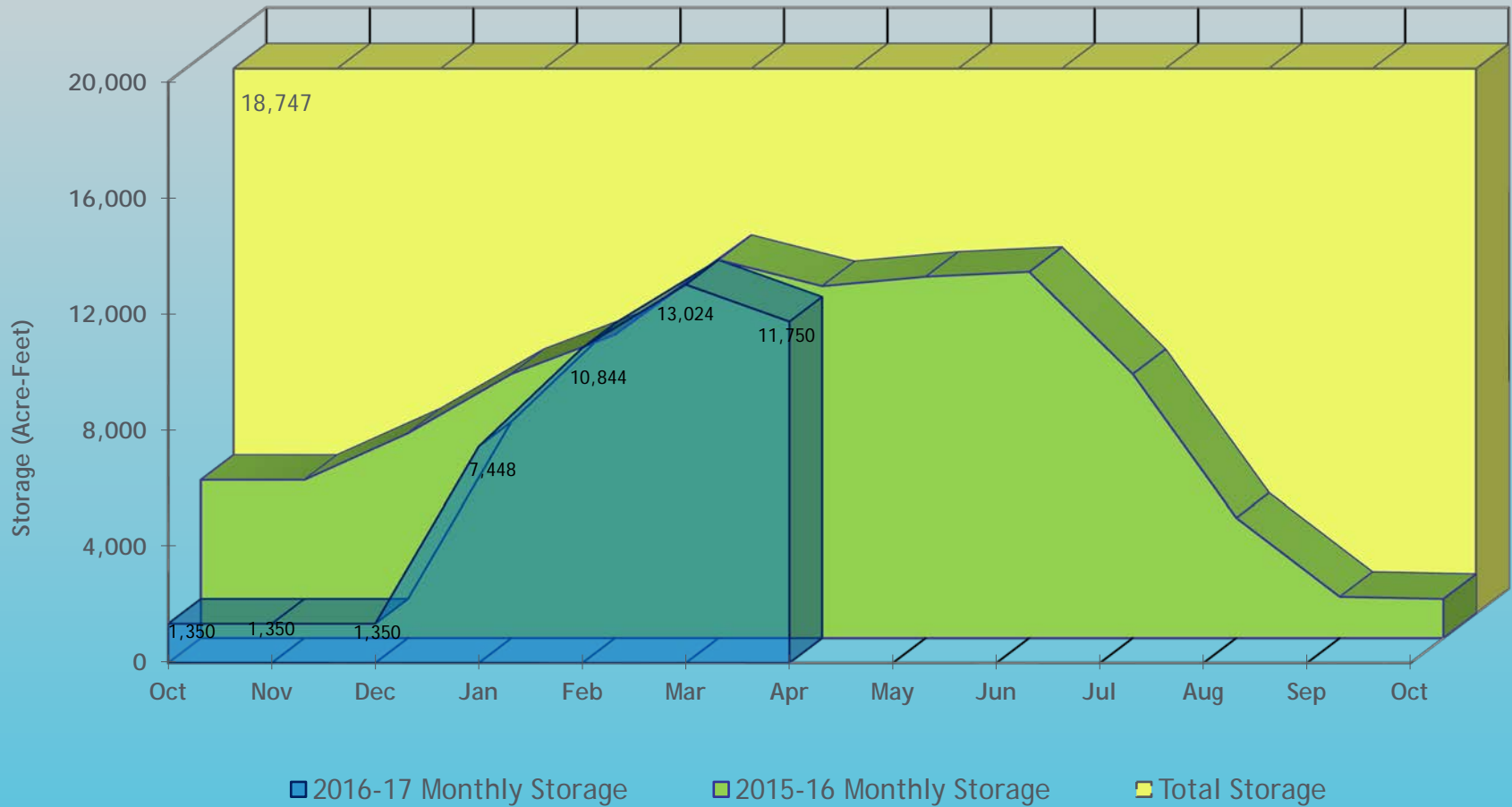
# Windsor Reservoir (District 3, Poudre River - Agricultural)



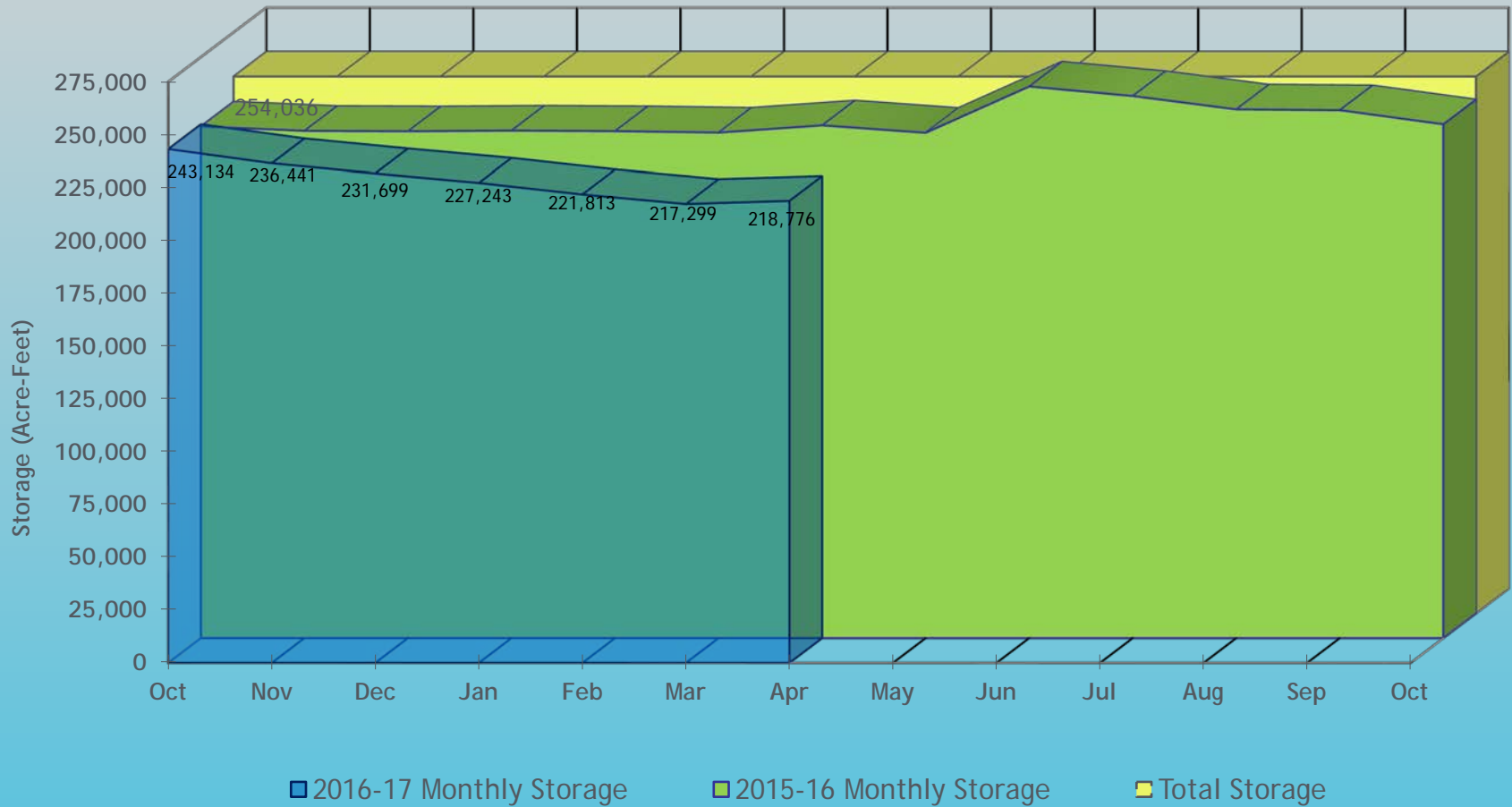
# Prospect Reservoir (District 1 - Agricultural)



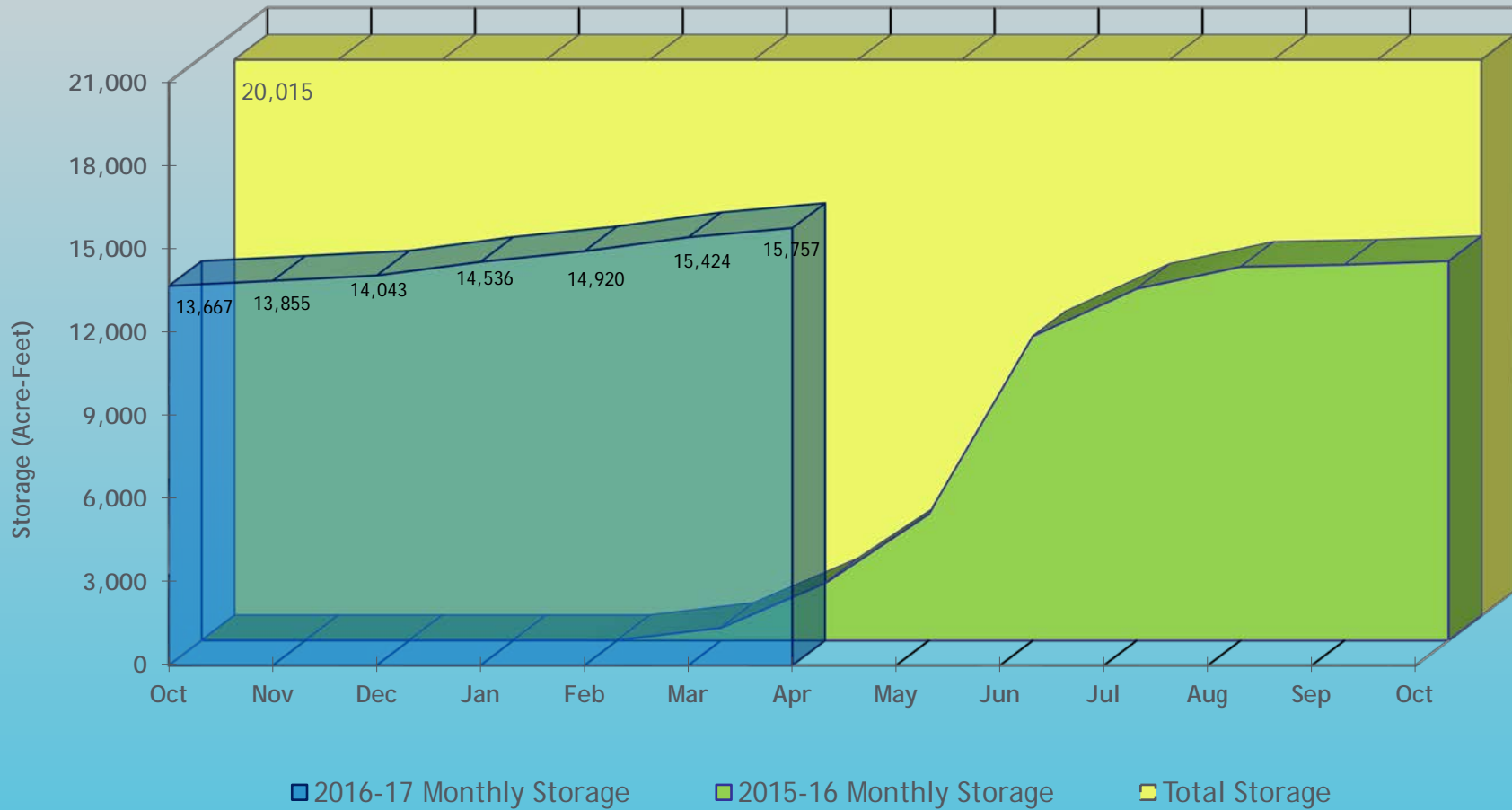
# Horse Creek Reservoir (District 1 - Agricultural)



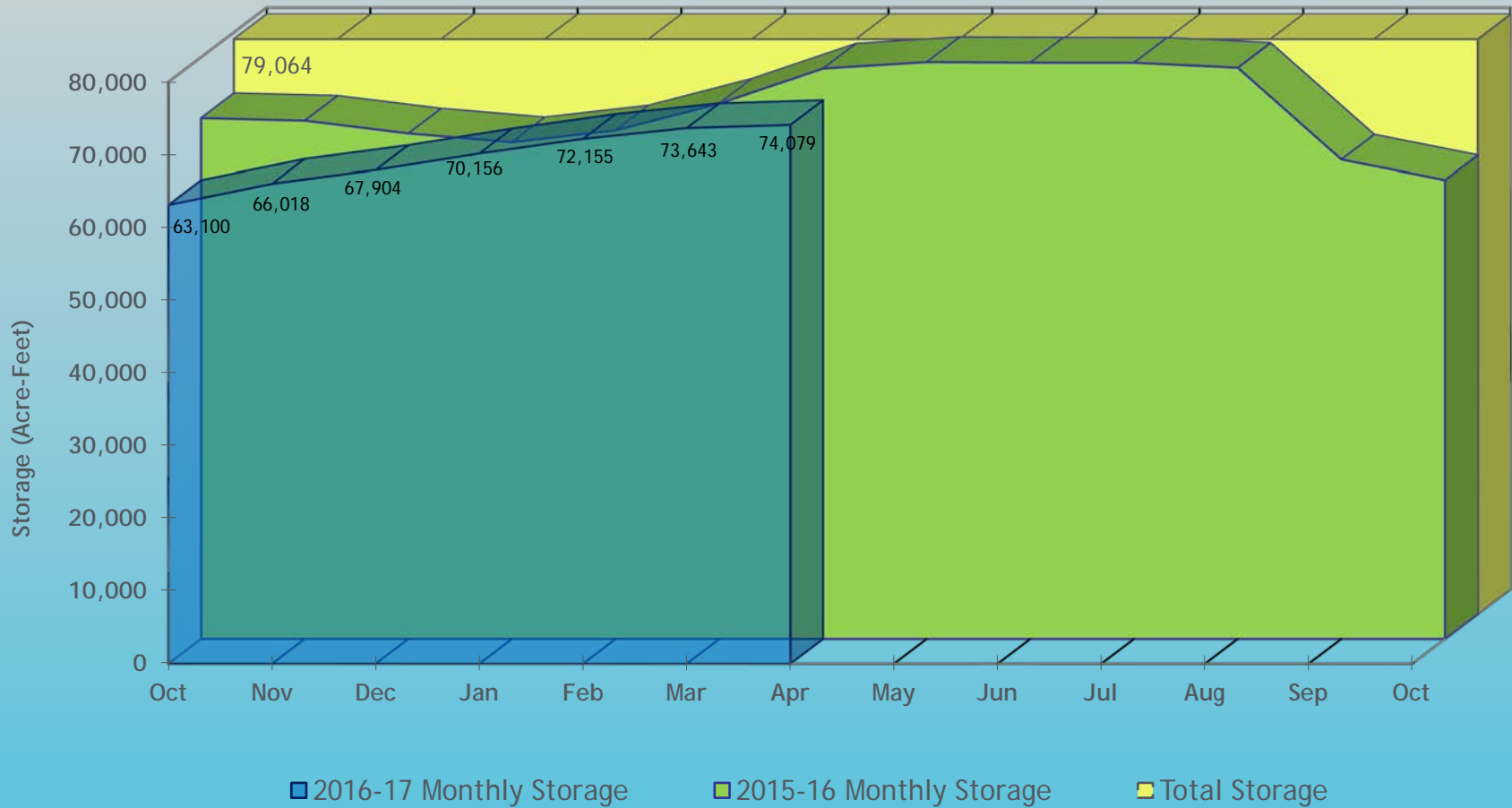
# Dillon Reservoir (District 1 - Municipal)



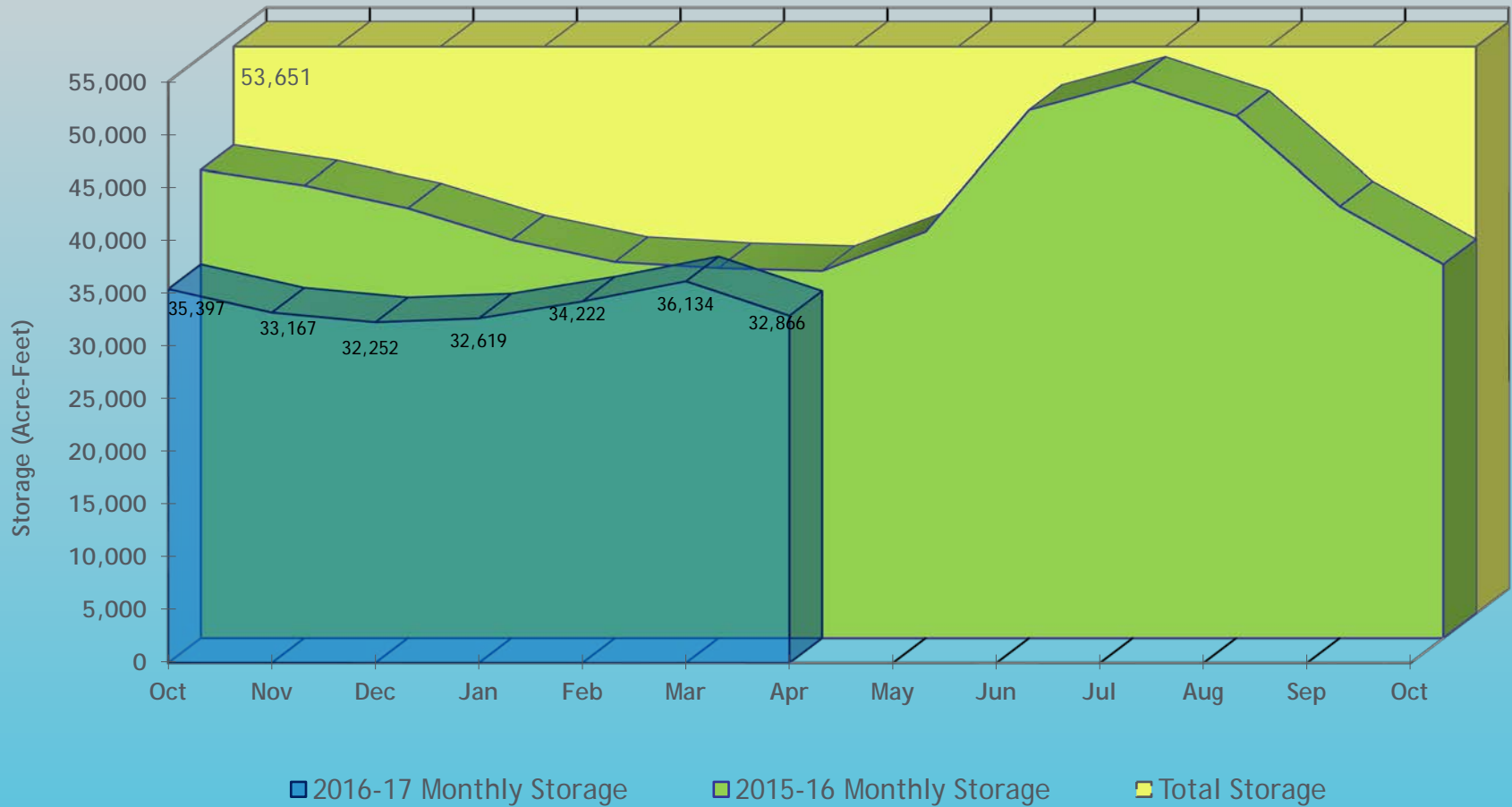
# Antero Reservoir (District 23 - Municipal)



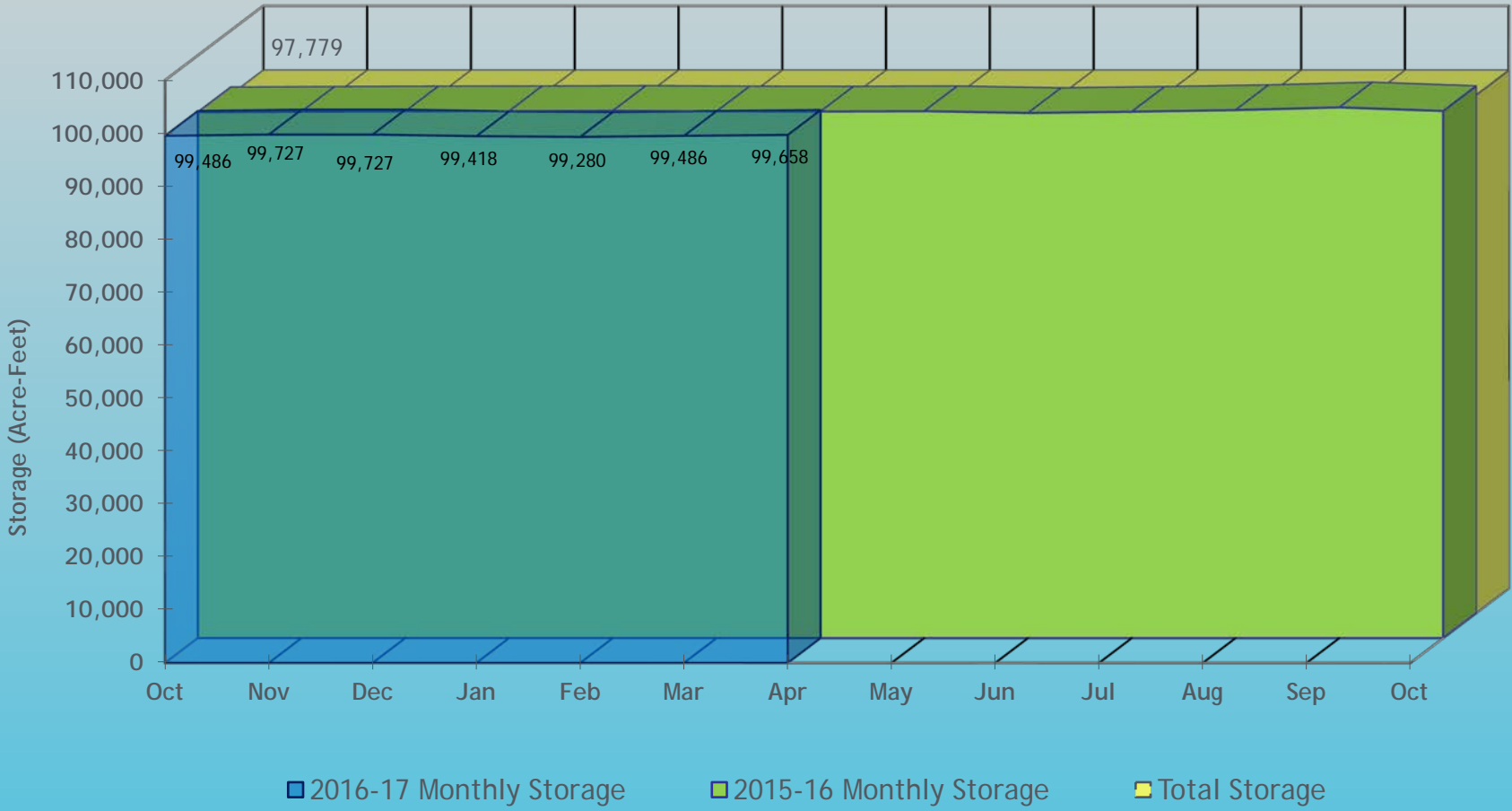
# Cheesman Reservoir (District 80 - Municipal)



# Spinney Mountain Reservoir (District 23 - Municipal)



# Eleven Mile Reservoir (District 23 - Municipal)





# Lake Granby

