



**COLORADO**  
Department of Natural Resources

## South Platte Summary April 2016

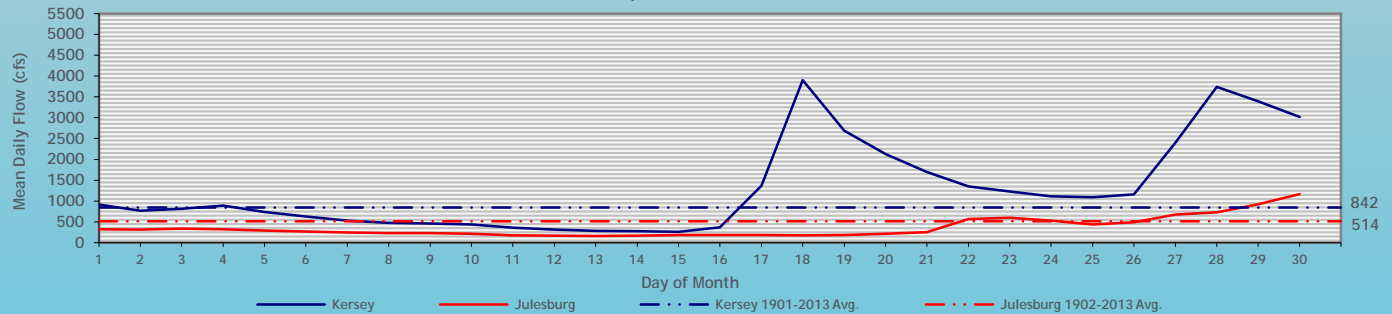
Compiled by Lee Cunning, P.E.

# COLORADO DIVISION OF WATER RESOURCES, DIVISION 1

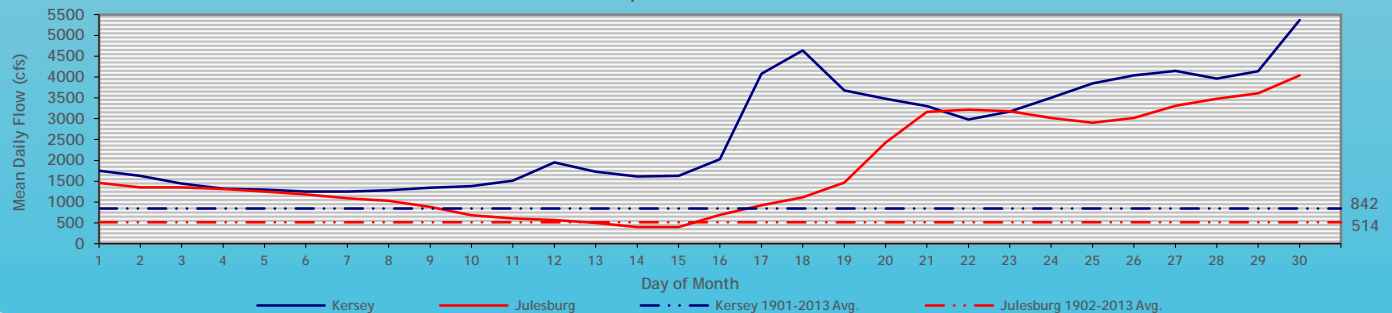
## MONTH OF April 2016

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	20,518	20,577	64	59	0%	91%	100%	0
N STERLING	73,730	70,300	69,011	64	-1,289	-2%	94%	100%	0
PREWITT	28,500	21,309	24,597	64	3,288	15%	86%	100%	0
JACKSON	27,257	25,884	26,056	1	172	1%	96%	100%	0
EMPIRE	37,700	34,536	36,314	1	1,778	5%	96%	100%	0
RIVERSIDE	63,113	55,803	54,476	1	-1,327	-2%	86%	100%	0
BARR LAKE	32,152	29,128	29,332	2	204	1%	91%	91%	0
CHEESMAN	79,064	73,609	78,428	80	4,819	7%	99%	99%	0
ELEVEN MILE	97,779	99,418	99,383	23	-35	0%	100%	100%	1,604
SPINNEY	53,651	35,042	34,764	23	-278	-1%	65%	88%	0
ANTERO	20,015	458	2,063	23	1,605	350%	10%	81%	0

KERSEY and JULESBURG  
April 2015

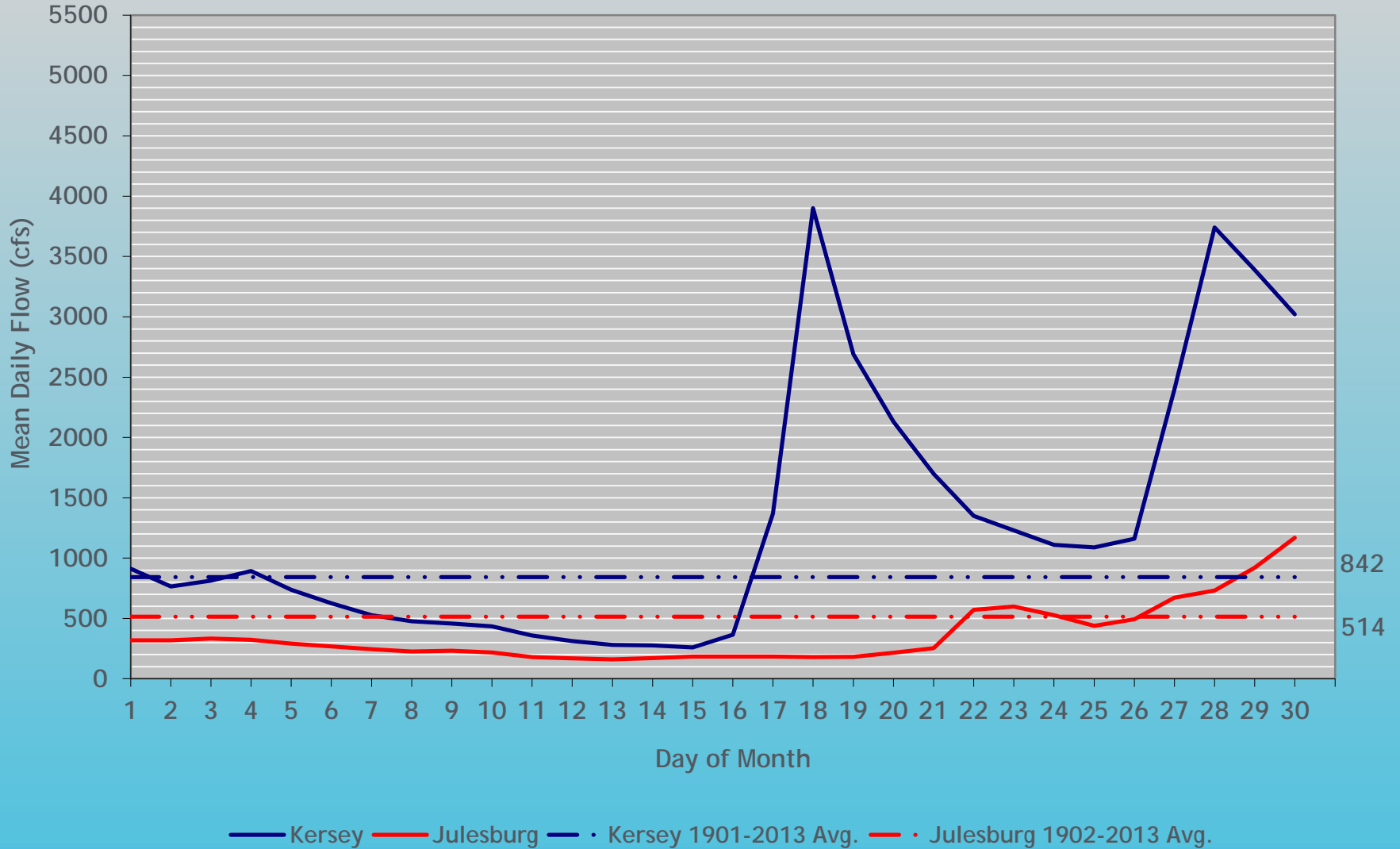


KERSEY and JULESBURG  
April 2016



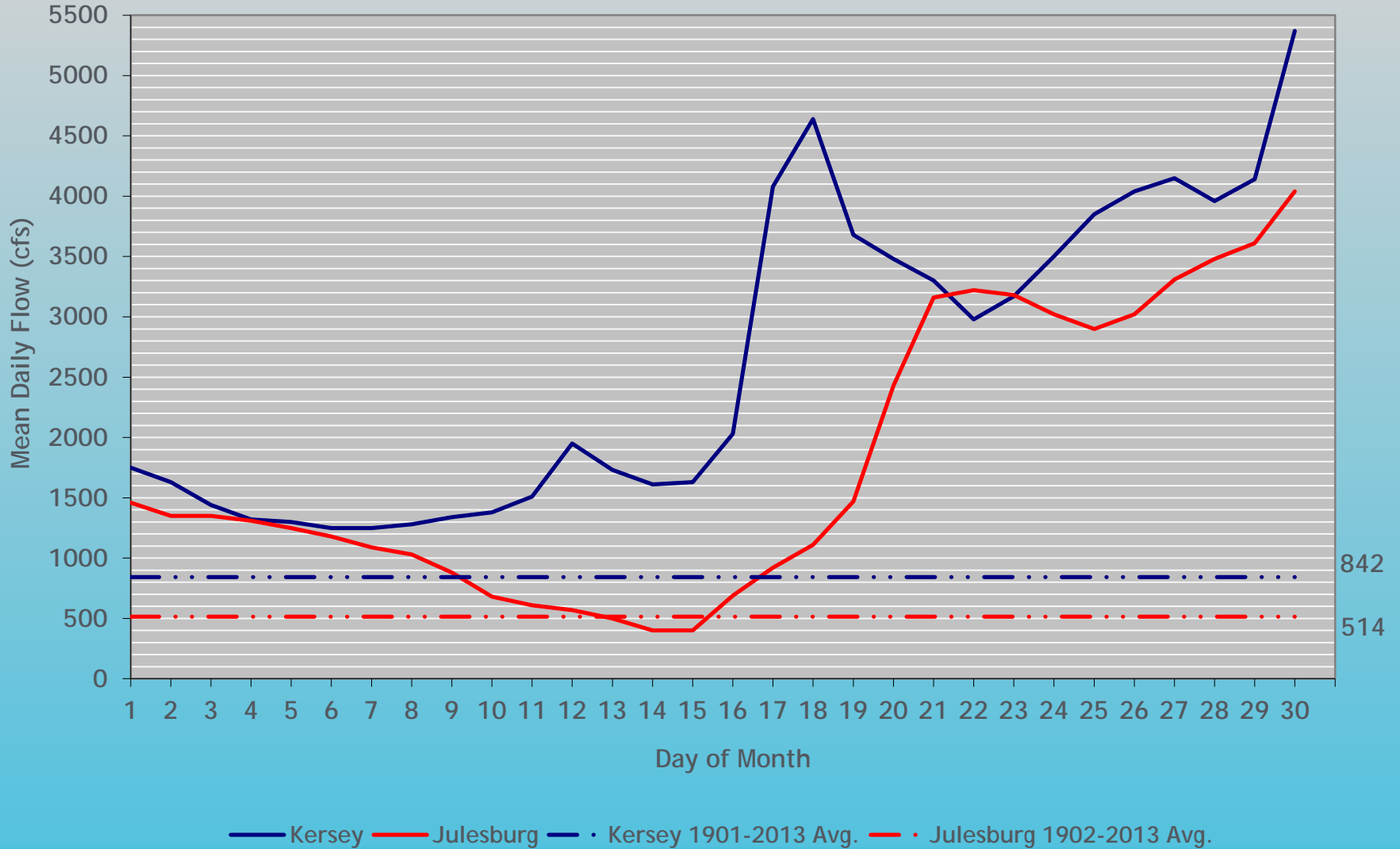
RIVER GAGES	MEAN DAILY FLOW (CFS)
<b>KERSEY</b>	<b>2625</b>
<b>JULESBURG</b>	<b>1787</b>
<b>THIS MONTH LAST YEAR</b>	
<b>KERSEY</b>	<b>1293</b>
<b>JULESBURG</b>	<b>365</b>
<b>MEAN FOR PERIOD OF RECORD*</b>	
<b>KERSEY</b>	<b>842</b>
<b>JULESBURG</b>	<b>514</b>
*Kersey 1901 - 2013	
*Julesburg 1902 - 2013	

# KERSEY and JULESBURG April 2015



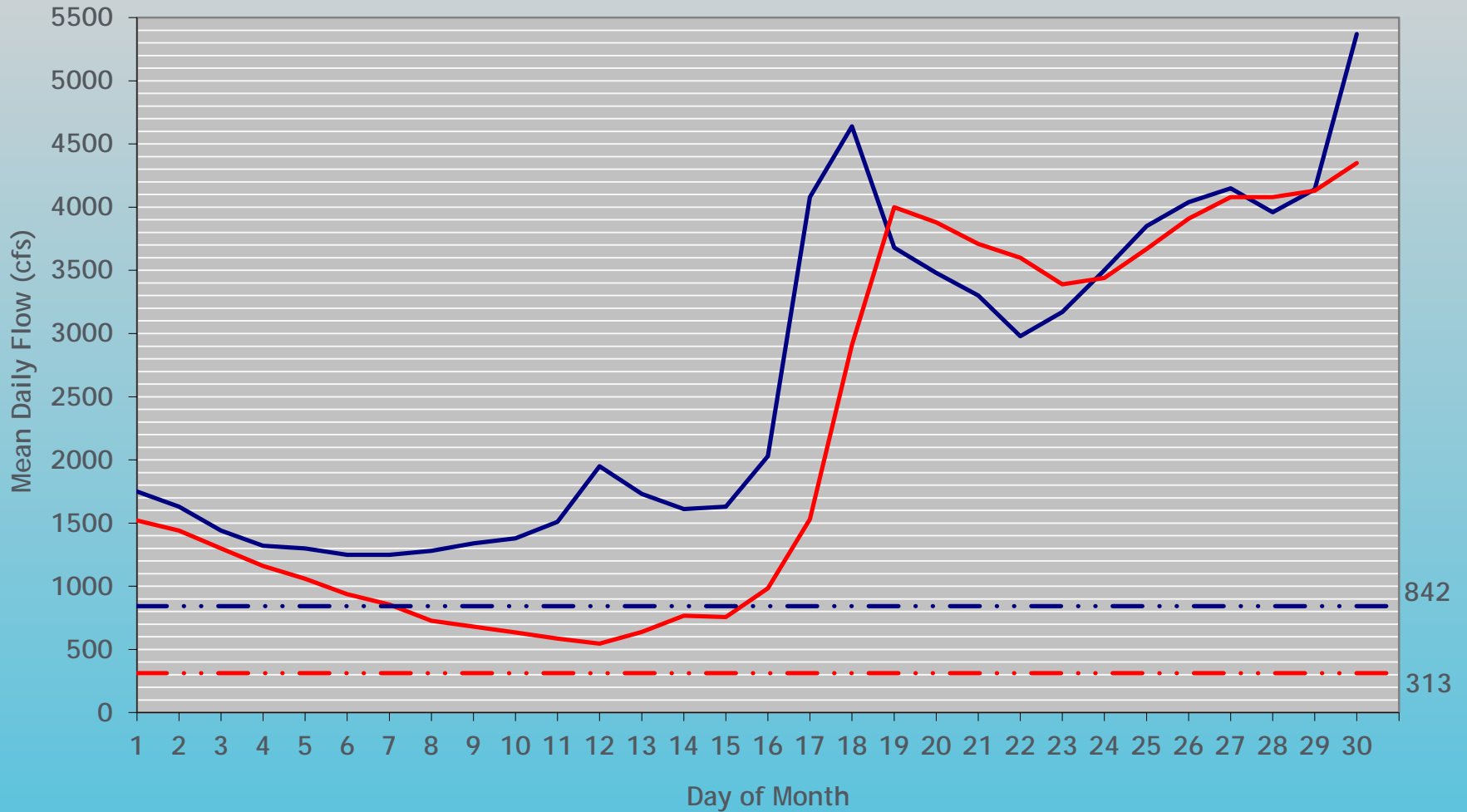
# KERSEY and JULESBURG

## April 2016



# KERSEY and BALZAC

## April 2016



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

# South Platte River Monthly Stream Flow (cfs) Statistics

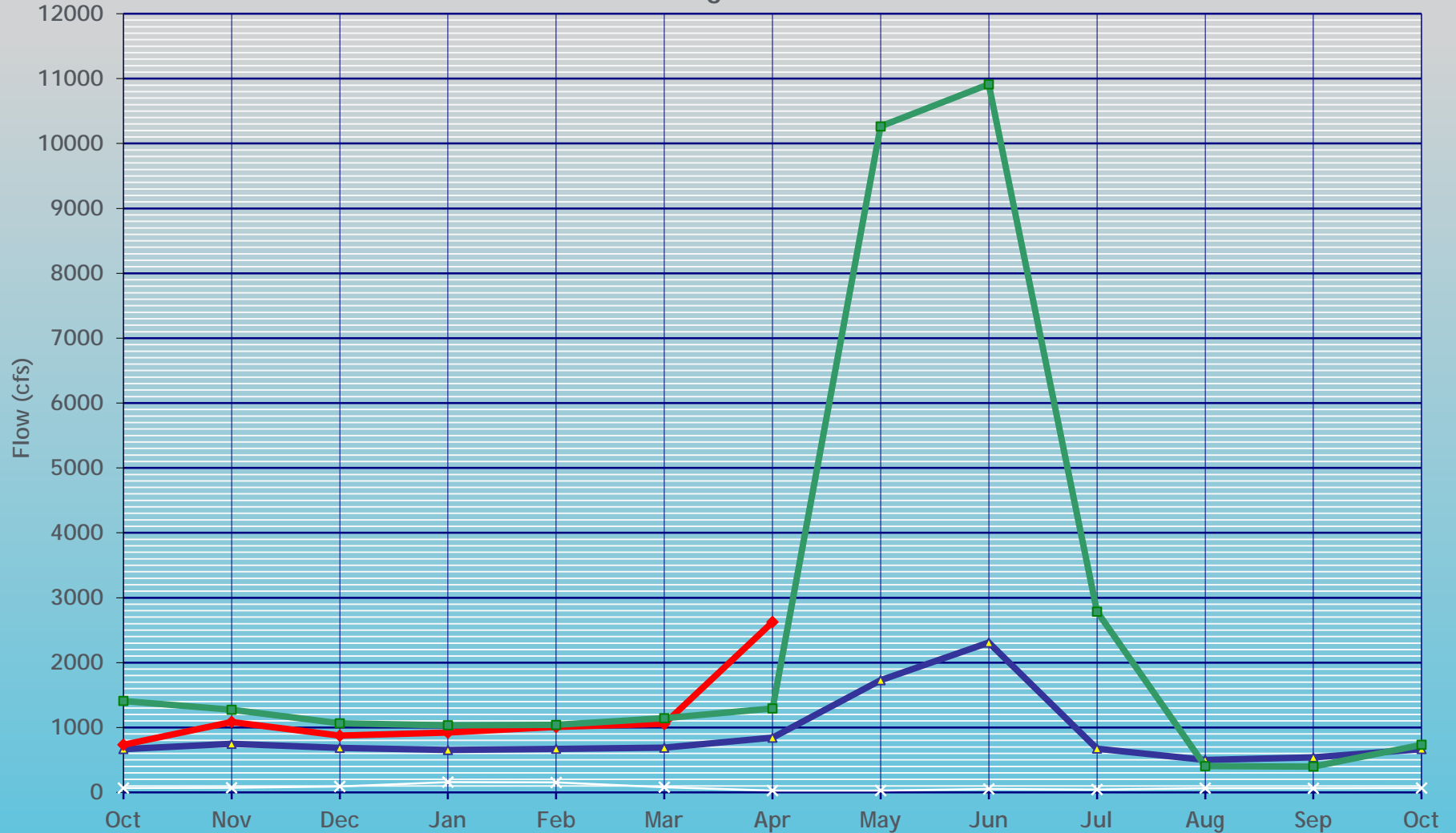
South Platte River at Kersey							South Platte River at Julesburg						
Month	Historic* Mean Flow	Historic* Max Flow	Year	Historic* Min Flow	Year	IY 2016 Mean Monthly Flow	Month	Historic* Mean Flow	Historic* Max Flow	Year	Historic* Min Flow	Year	IY 2016 Mean Monthly Flow
Oct	667	6180	1984	66	1954	734	Oct	299	3130	1984	4.2	1903	336
Nov	747	3650	1984	70	1934	1086	Nov	335	2900	1984	4.2	1903	614
Dec	685	1890	1961	91	1934	874	Dec	401	1820	1984	13	2002	799
Jan	652	2160	1974	158	1935	921	Jan	512	2510	1970	21	2003	1212
Feb	671	3060	1914	152	1935	1008	Feb	578	3220	1930	29	2005	1283
Mar	688	3470	1983	80	1935	1055	Mar	512	12900	1910	15	1904	468
Apr	842	18100	1942	28	1955	2625	Apr	514	14400	1942	4.0	1904	1787
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 1902-2014

\*Period of record 1902-2014

# South Platte River at Kersey

Irrigation Year

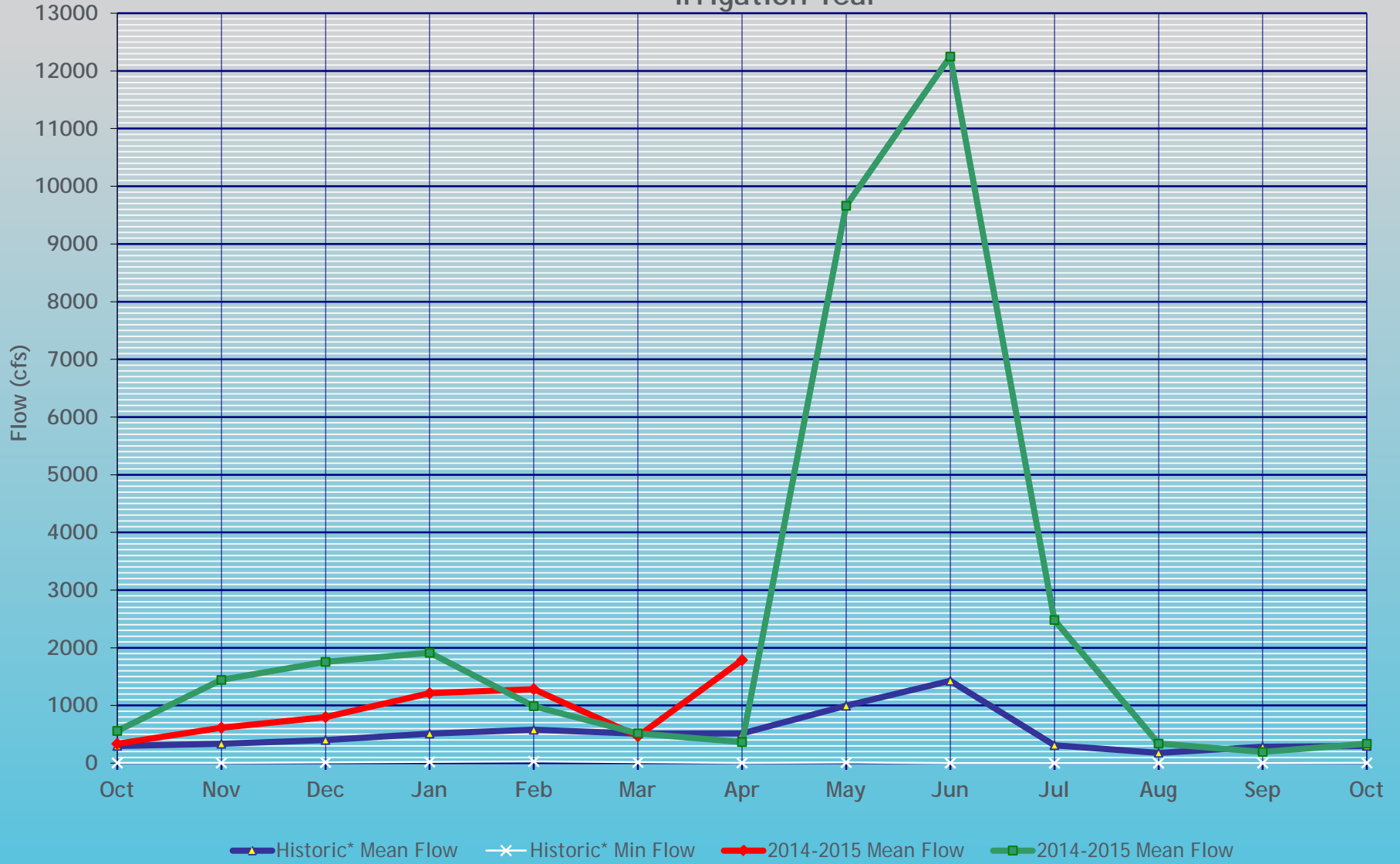


Historic\* Mean Flow    Historic\* Min Flow    2015-2016 Mean Flow    2014-2015 Mean Flow

\*1901-2013

# South Platte River at Julesburg

Irrigation Year



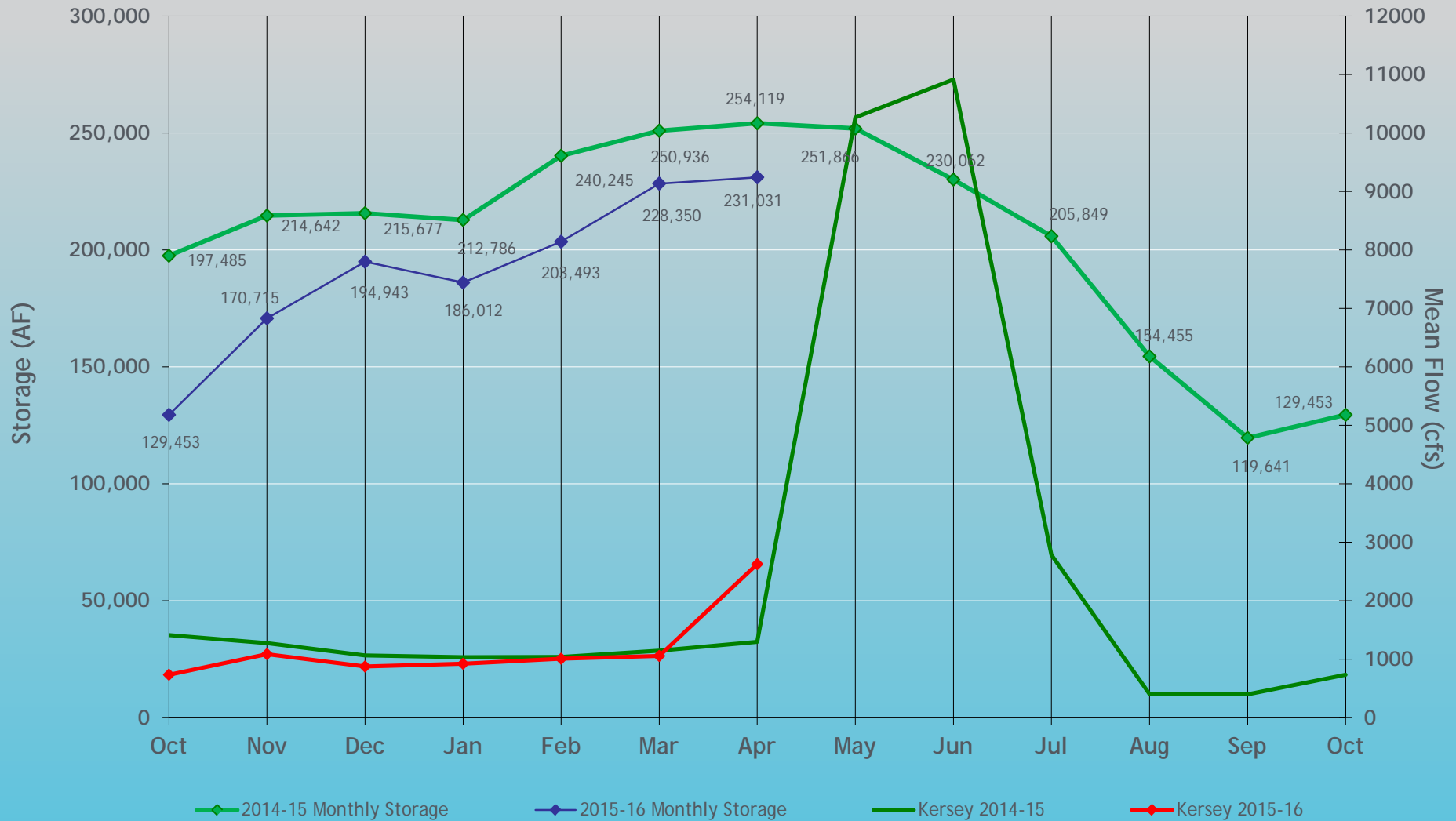
\*1901-2013





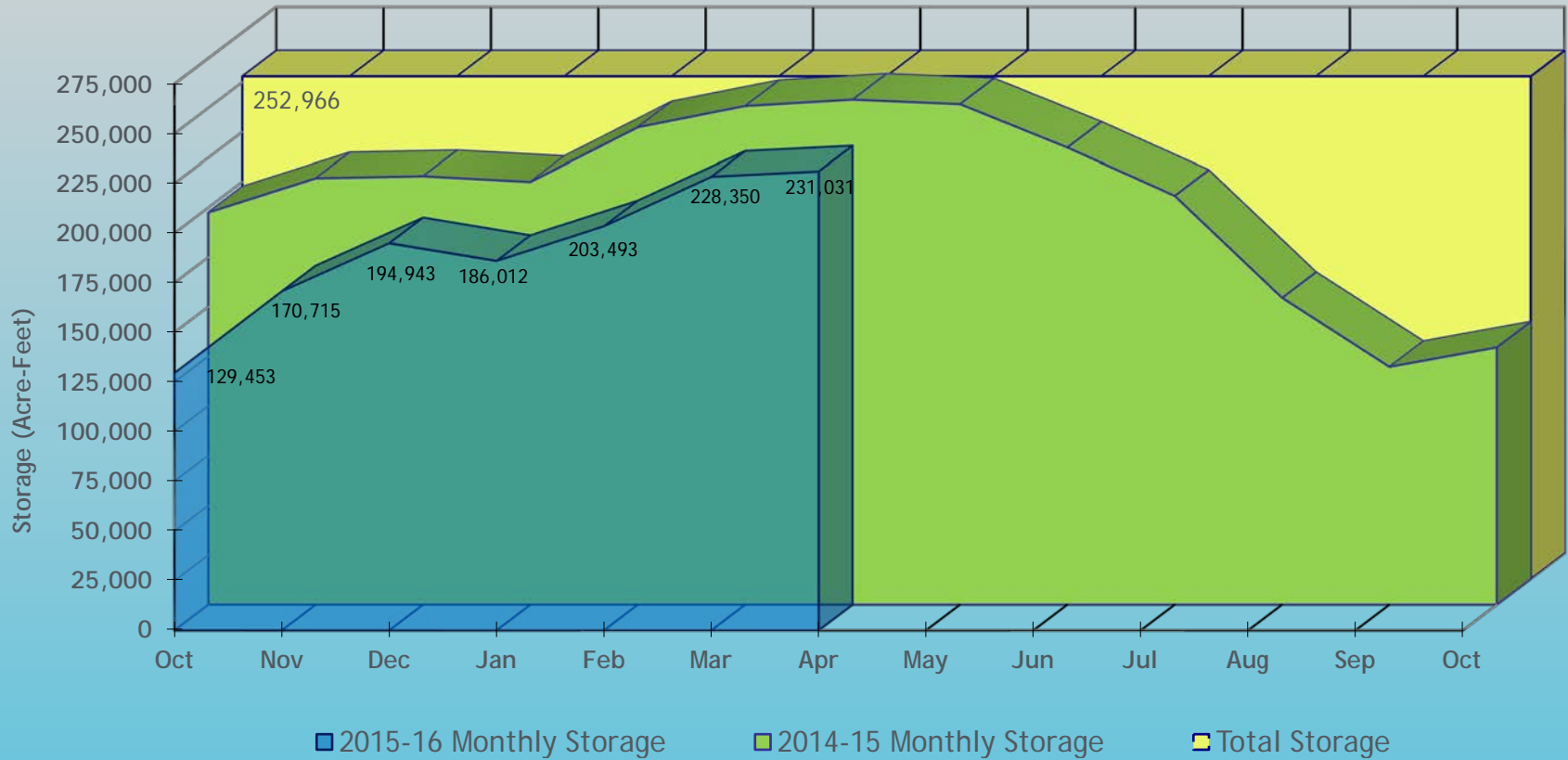
# Reservoir Storage below Kersey

Selected Reservoirs\*



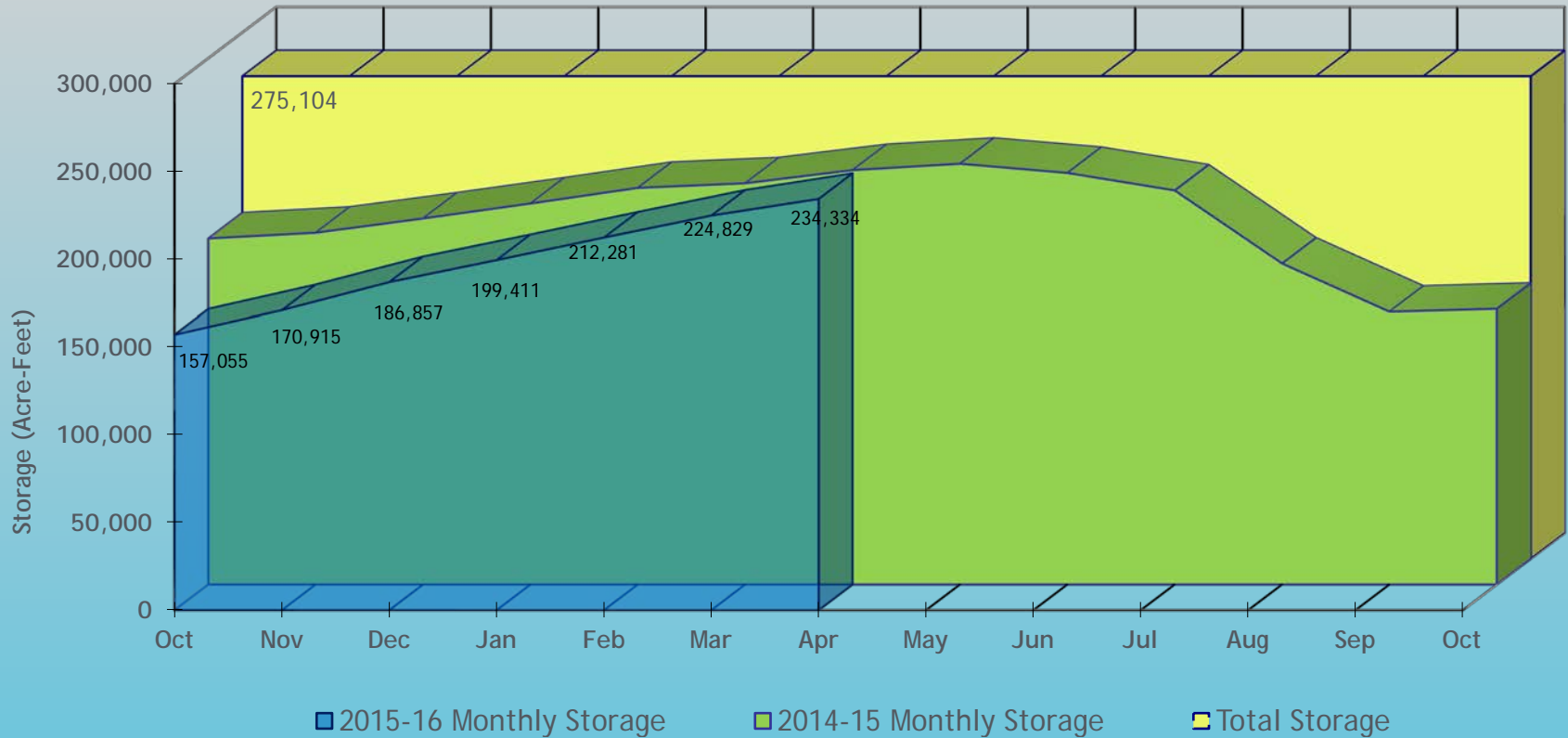
\*Empire, Riverside, Jackson, Prewitt, North Sterling, & Julesburg

# South Platte Reservoir Storage below Kersey\*



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

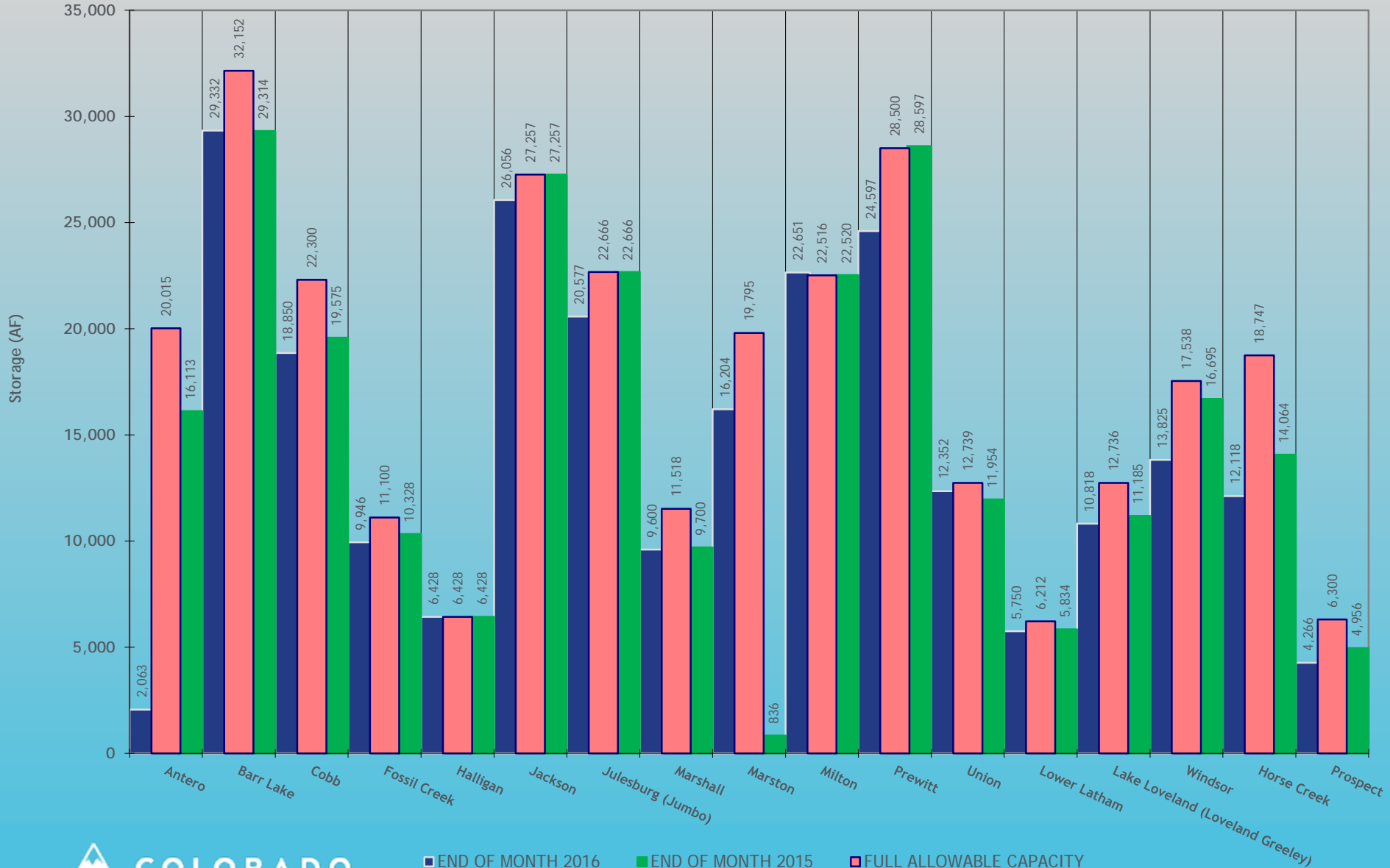
# South Platte Reservoir Storage above Kersey\*



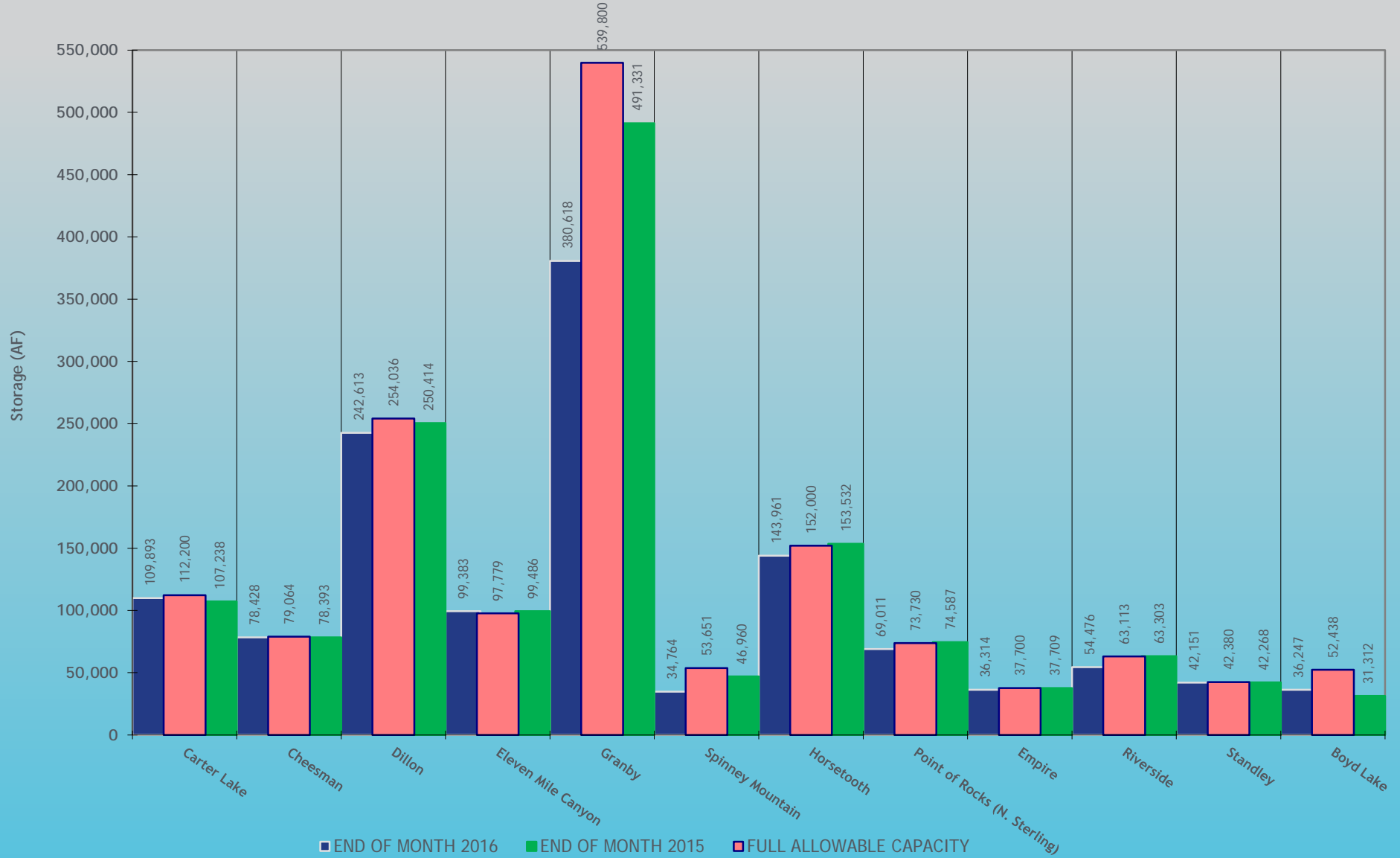
\*Barr, Cobb, Fossil Crk, Halligan, Marshall, Milton, Union, Standley, Lower Latham, Boyd, Loveland, Windsor, Horse Crk, & Prospect



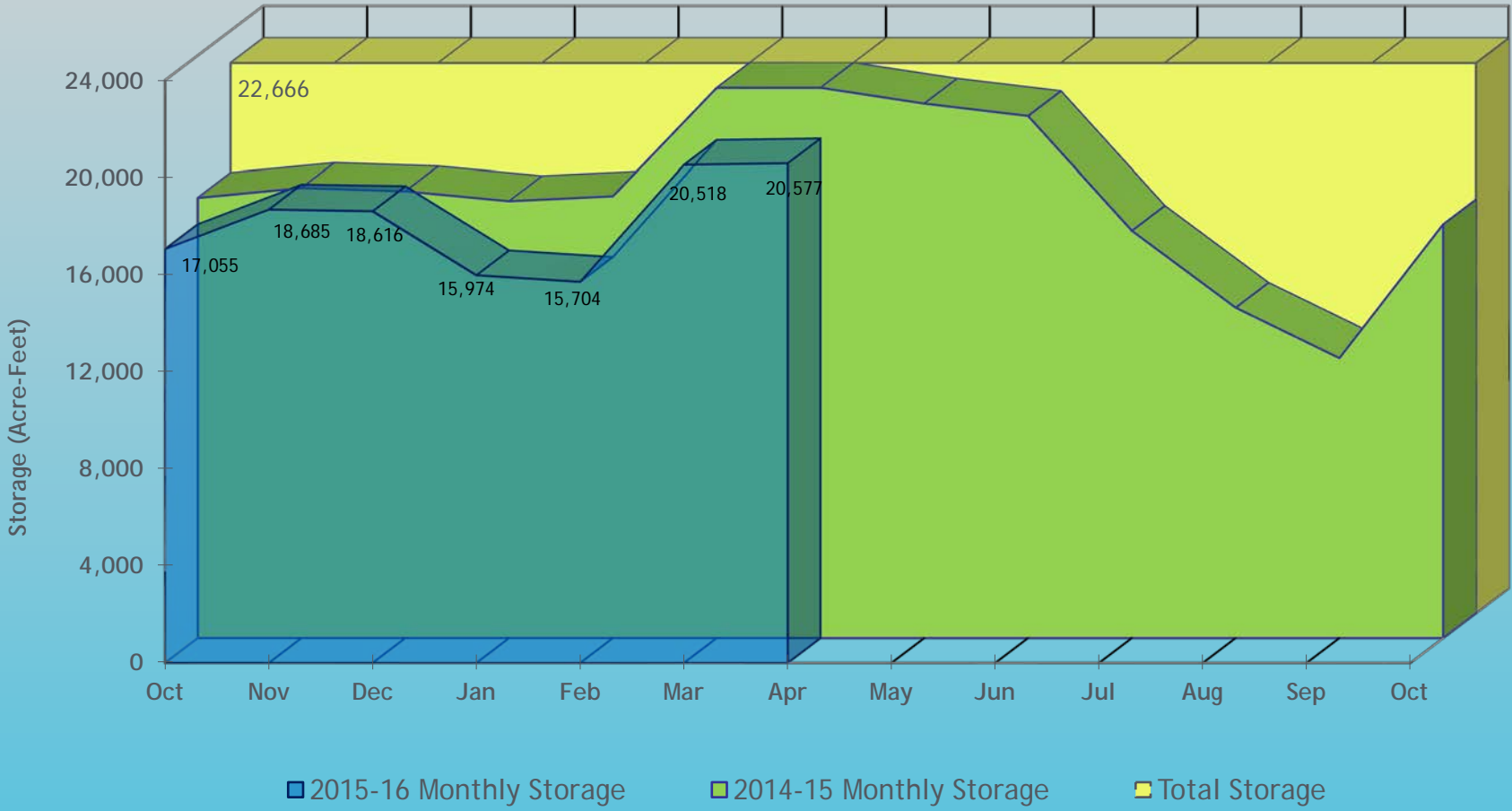
# April Reservoir Change in Storage 2015 versus 2016



# April Reservoir Change in Storage 2015 versus 2016

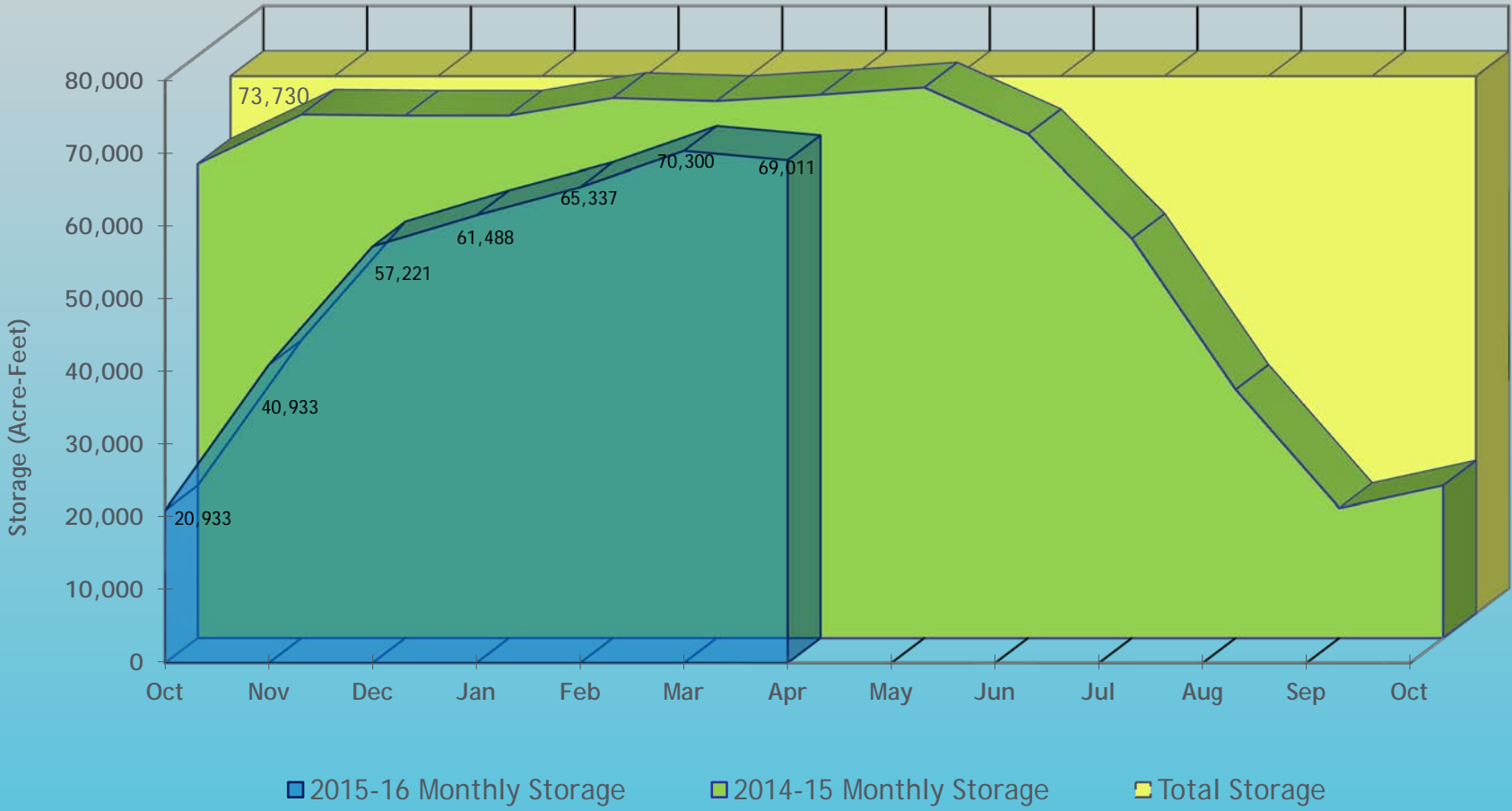


# Julesburg Reservoir (District 64 - Agricultural)

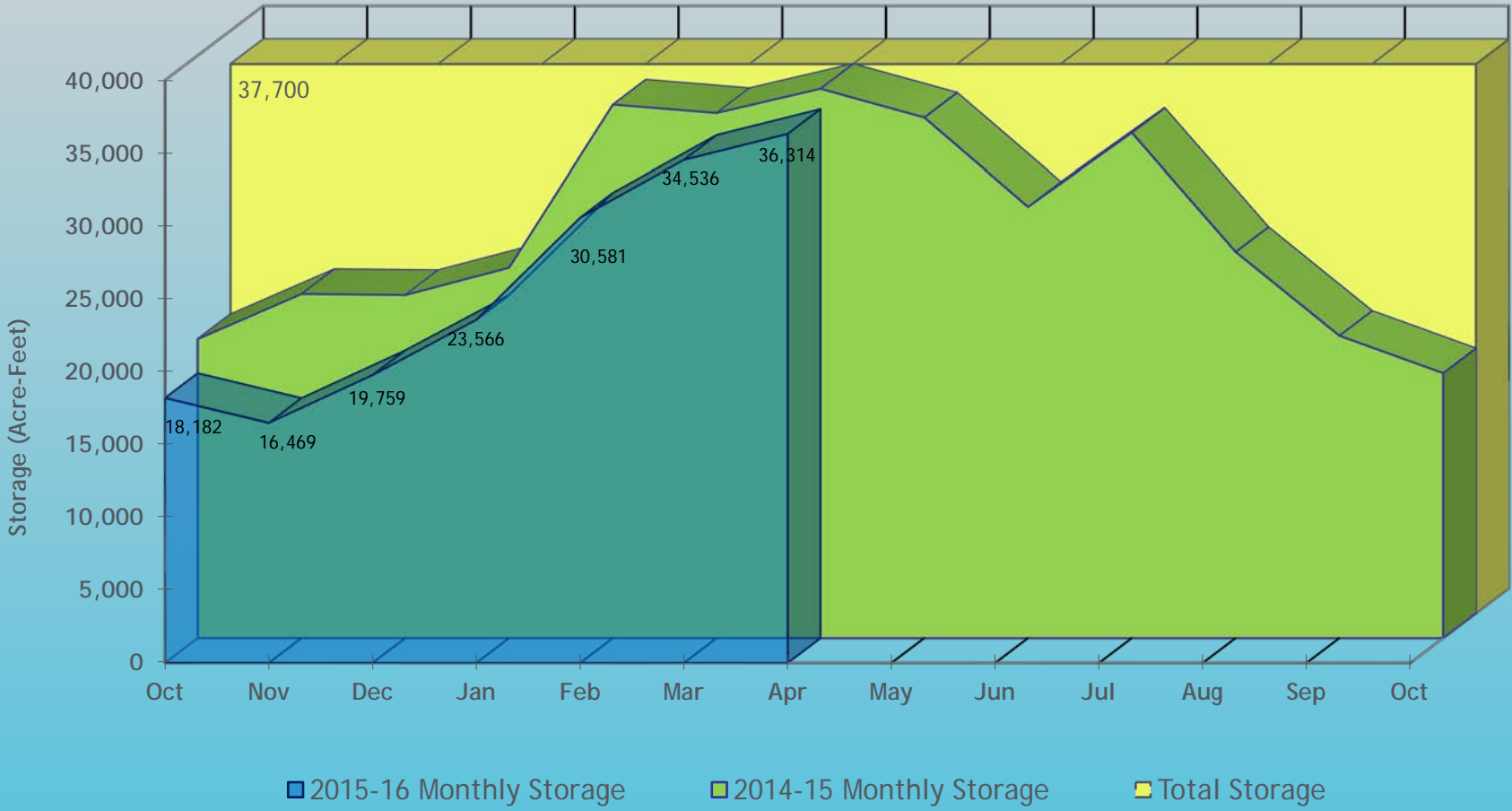




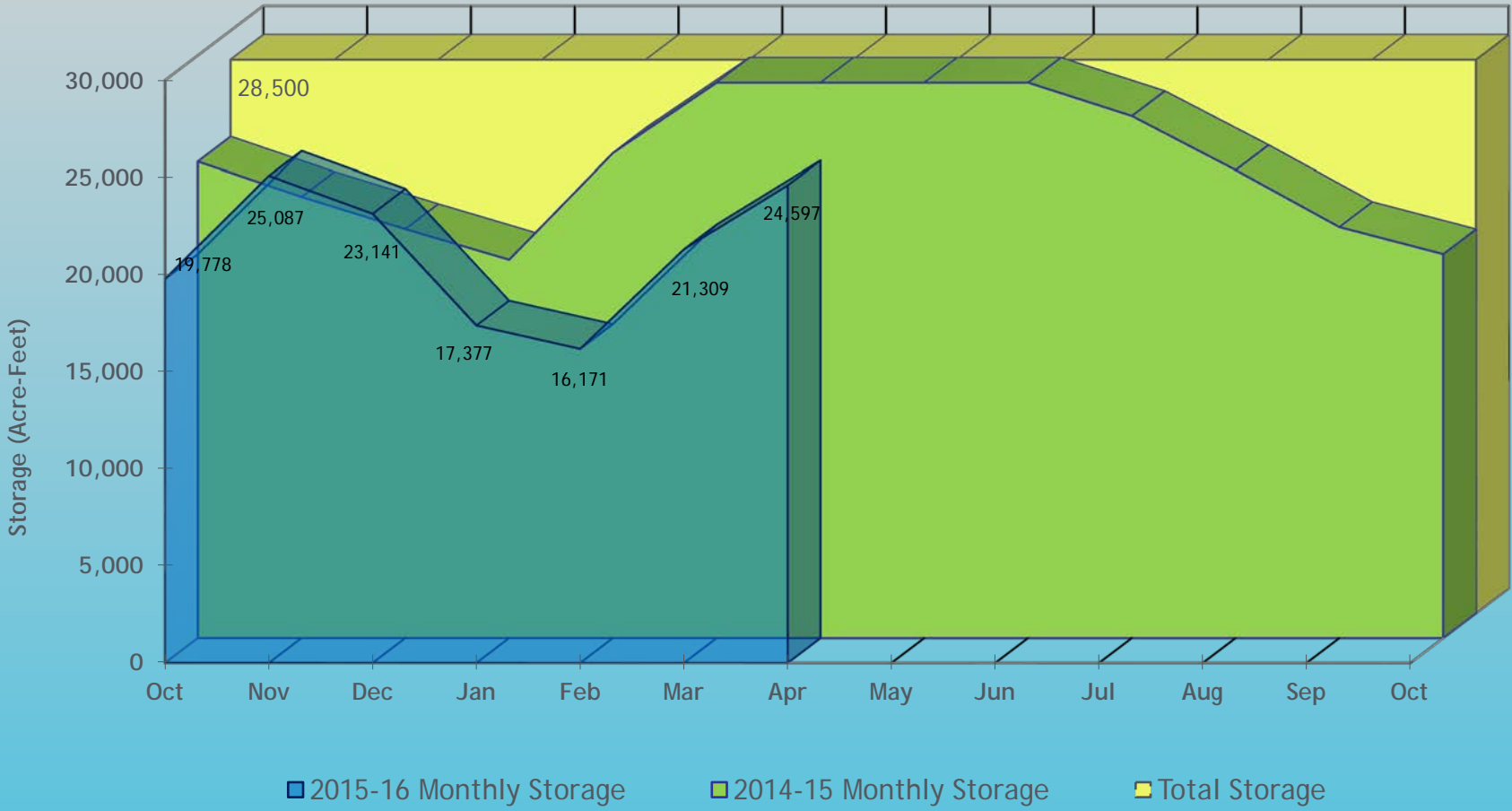
# North Sterling Reservoir (District 64 - Agricultural)



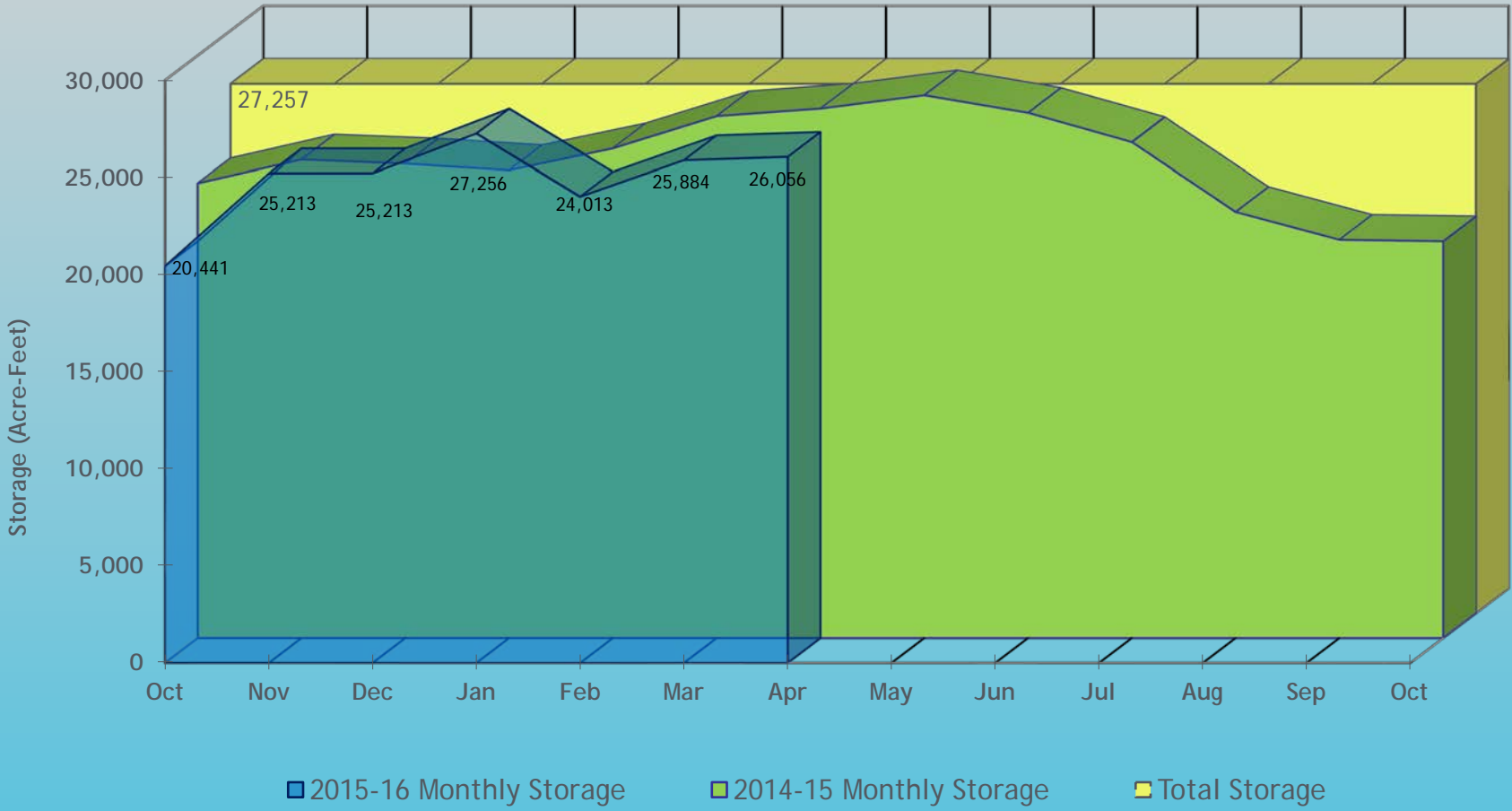
# Empire Reservoir (District 1 - Agricultural)



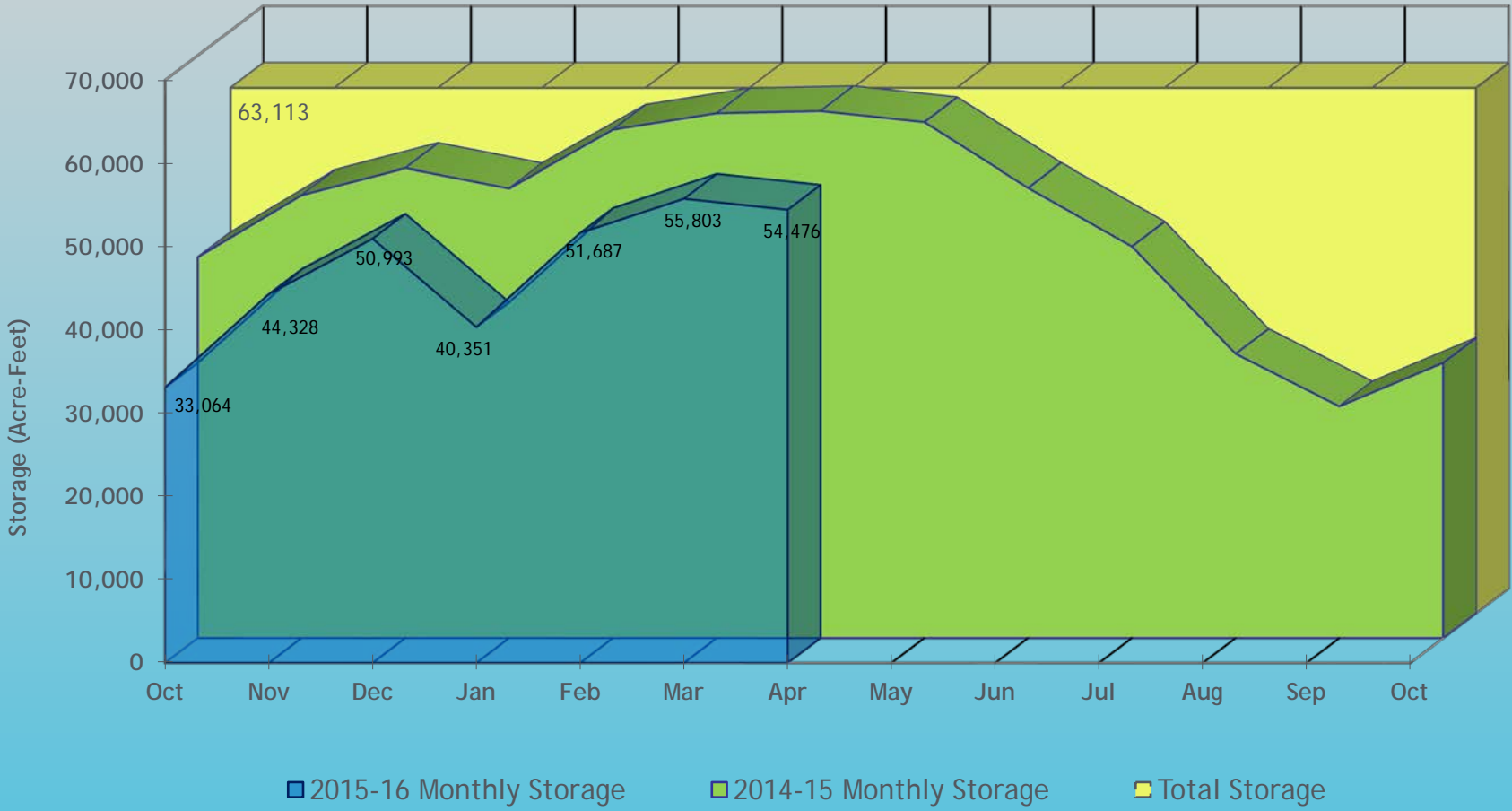
# Prewitt Reservoir (District 64 - Agricultural)



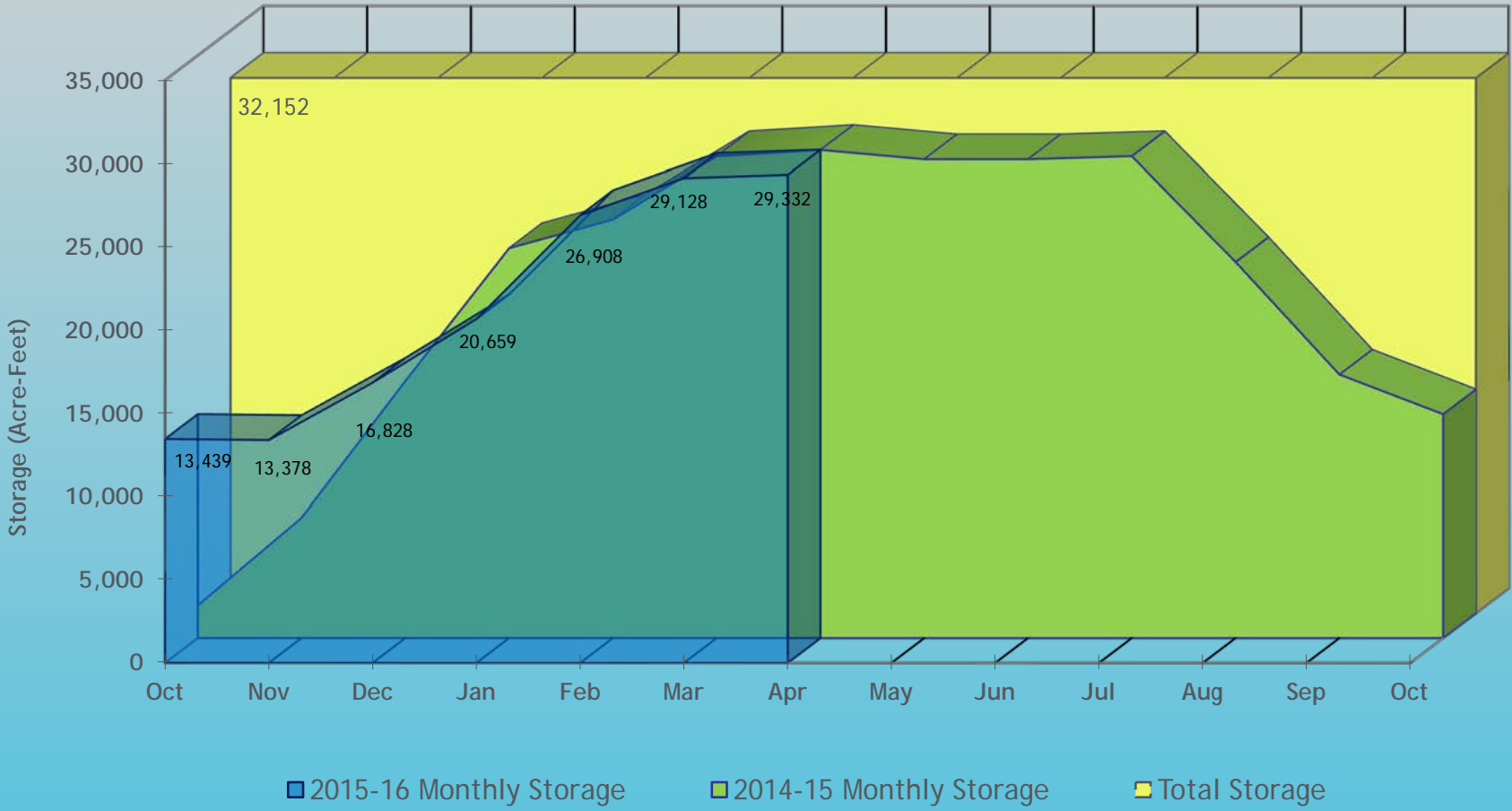
# Jackson Reservoir (District 1 - Agricultural)



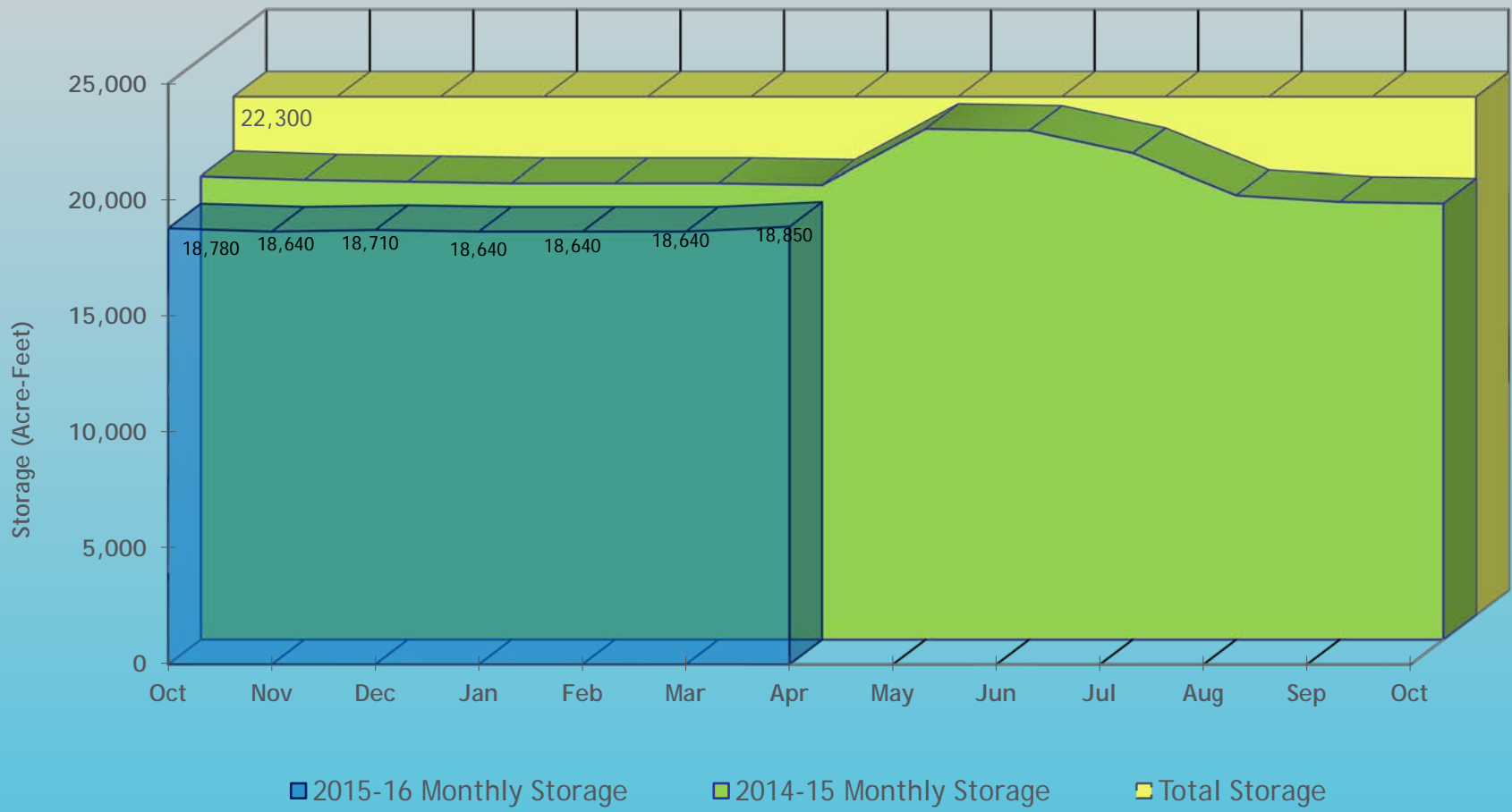
# Riverside Reservoir (District 1 - Agricultural)



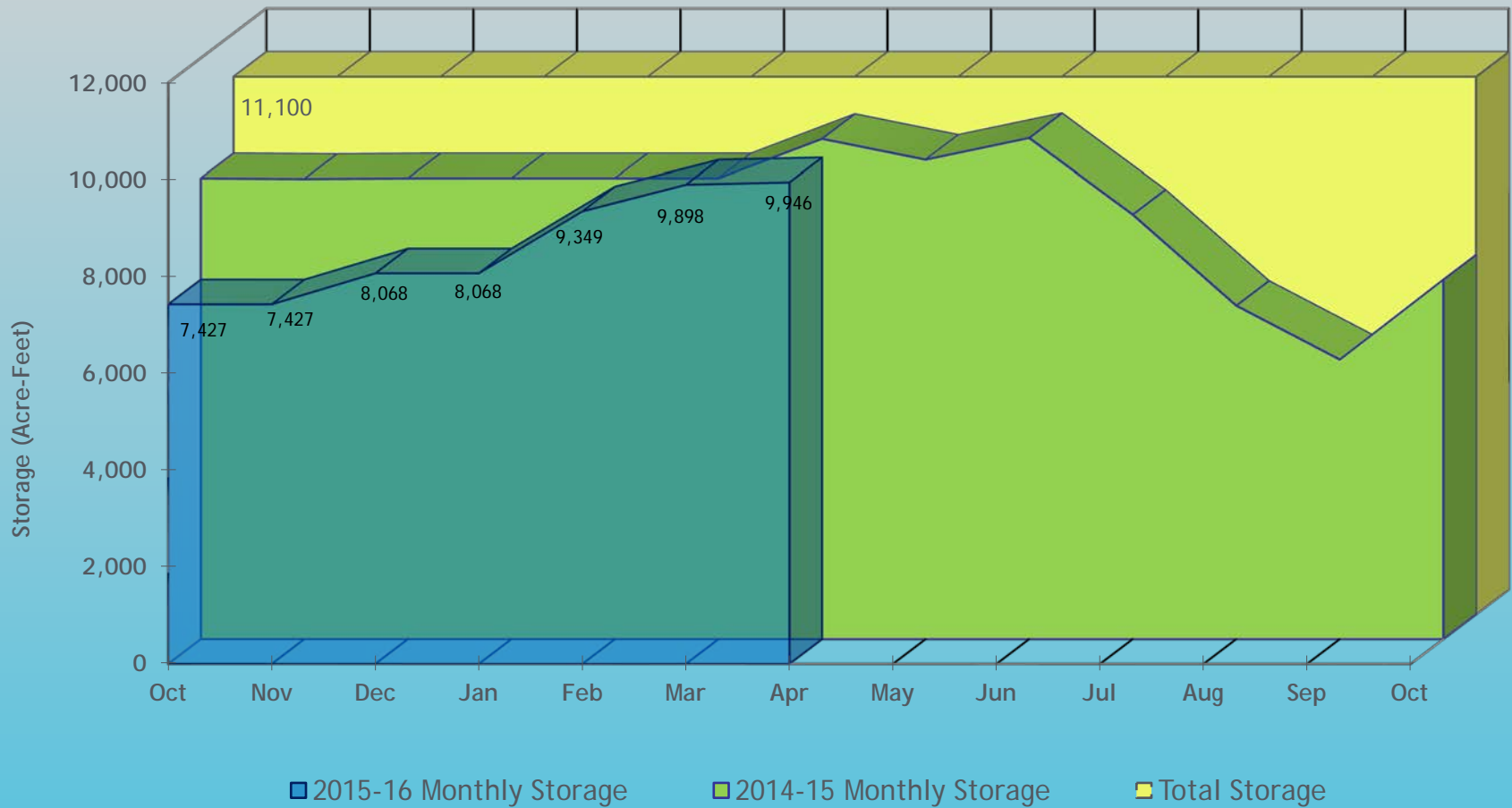
# Barr Reservoir (District 2 - Agricultural)



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

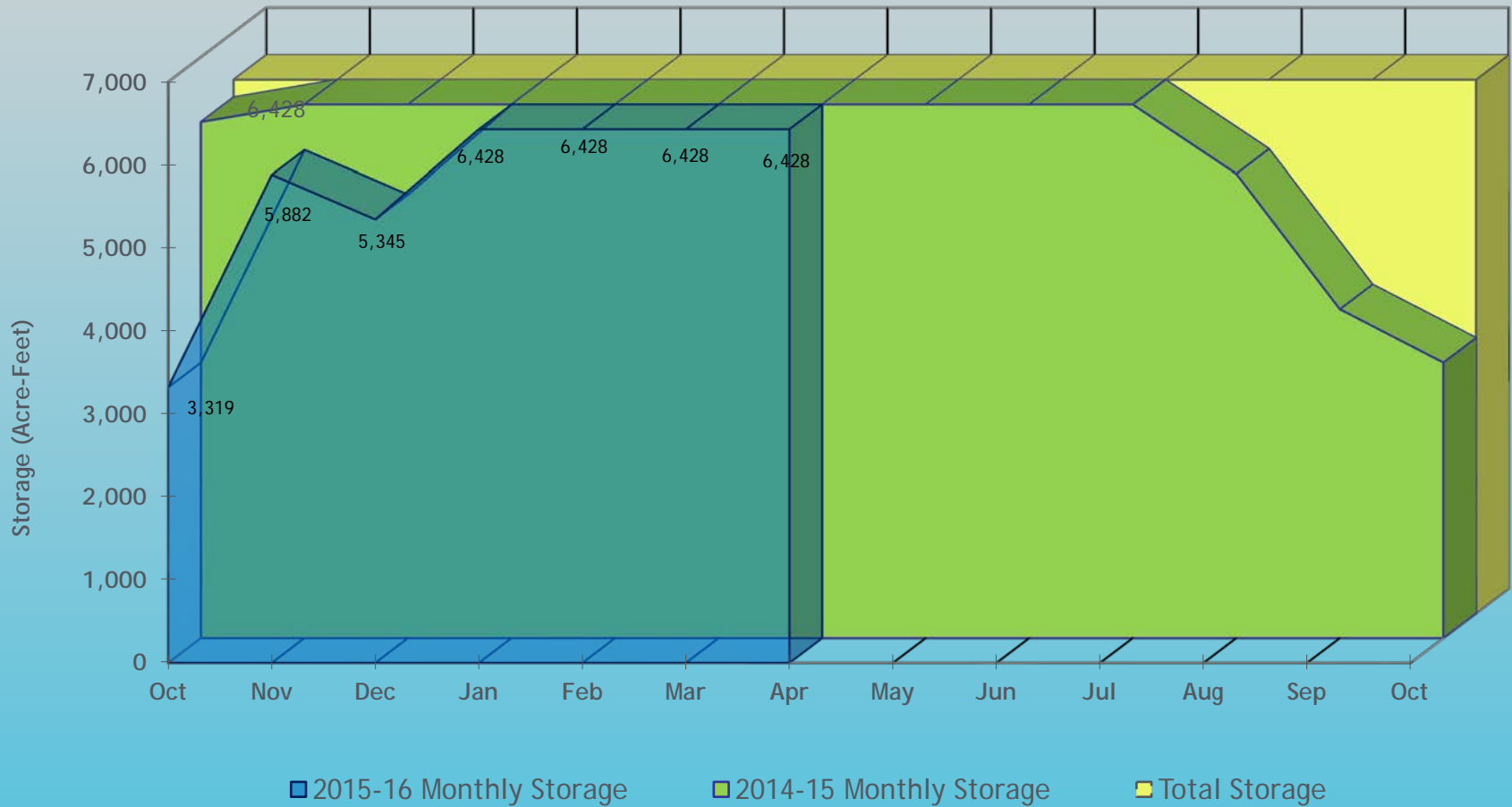


# Fossil Creek Reservoir (District 3, Poudre River - Agricultural)

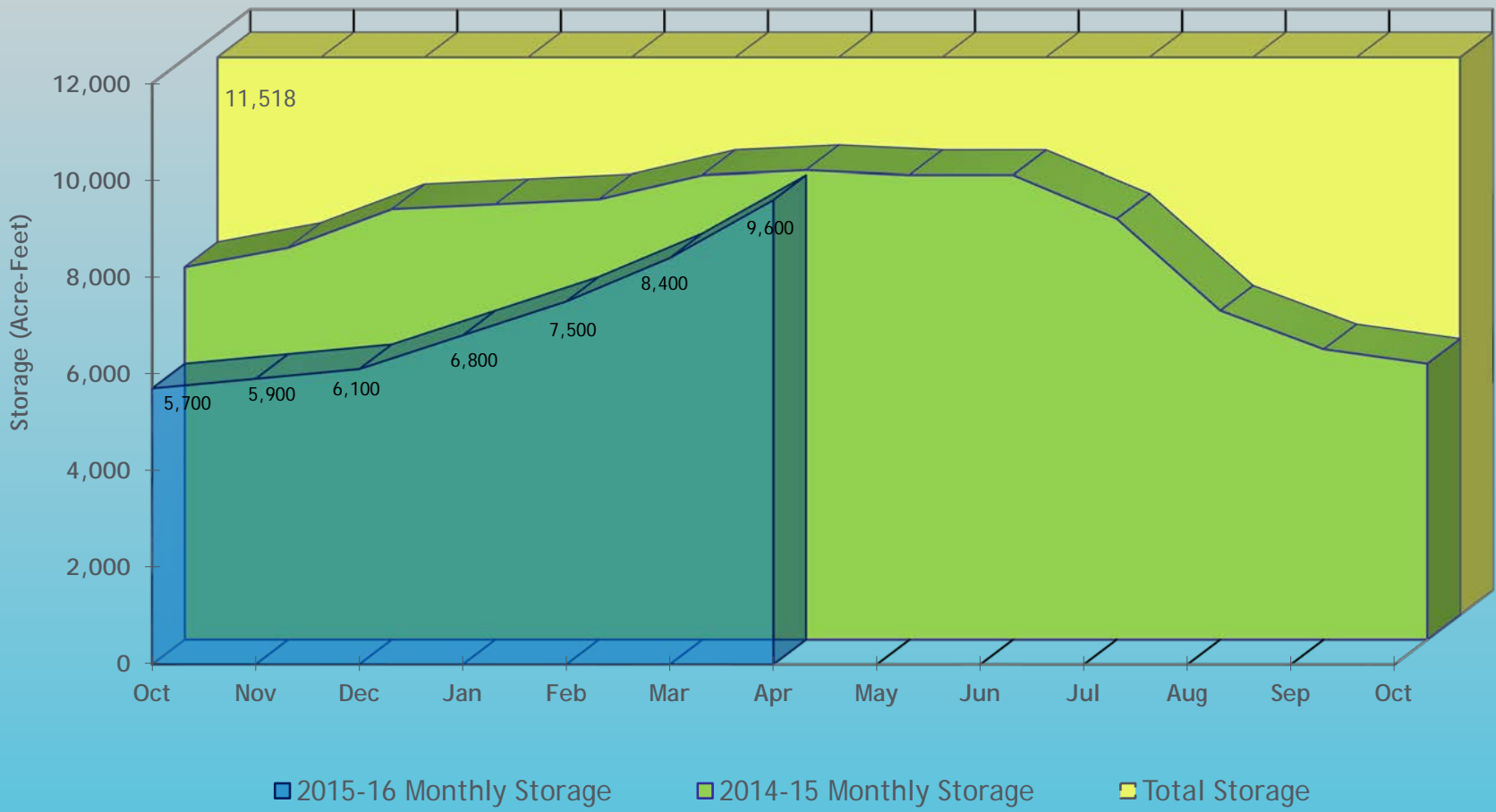




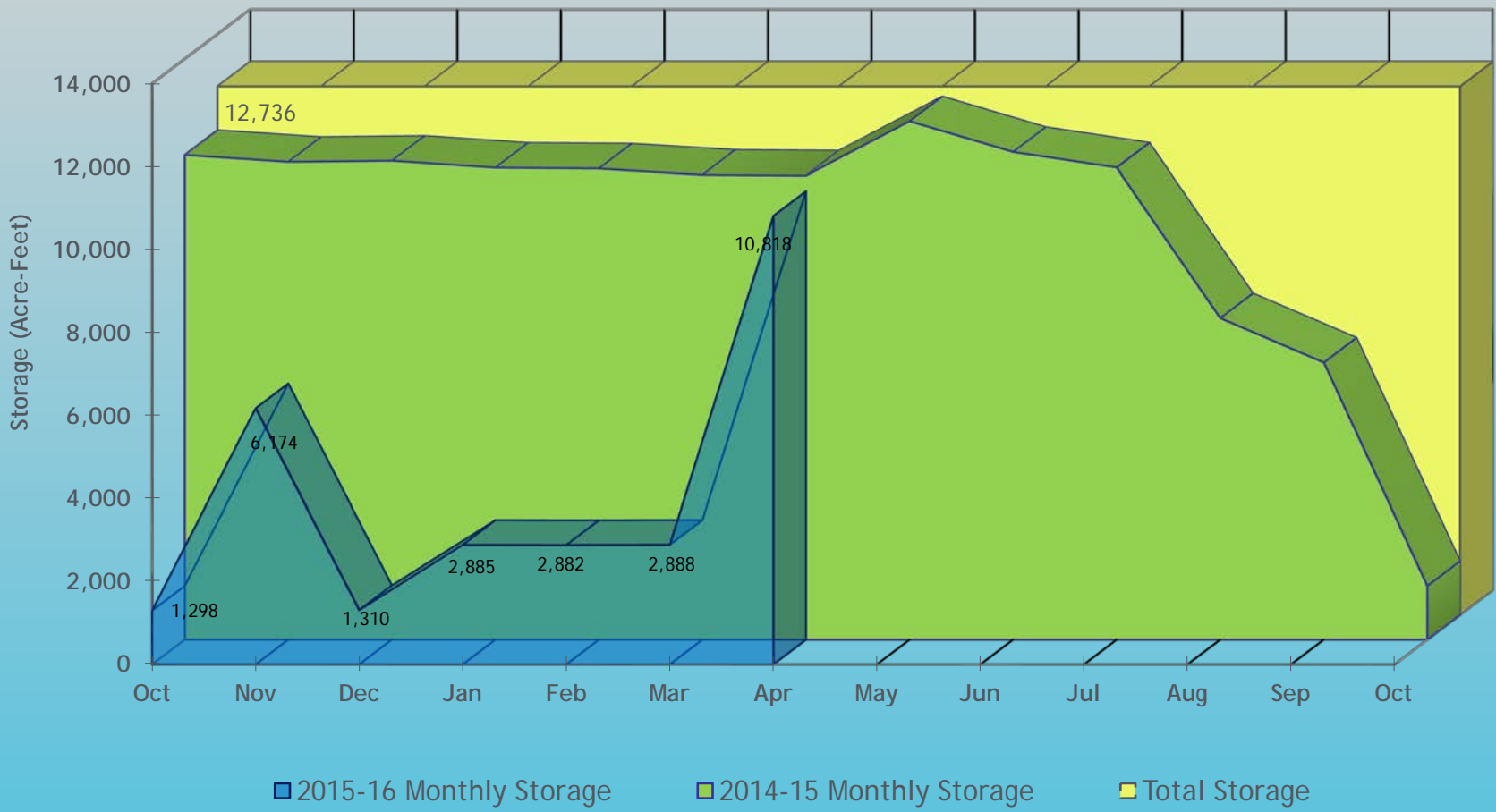
# Halligan Reservoir (District 3, Poudre River - Agricultural)



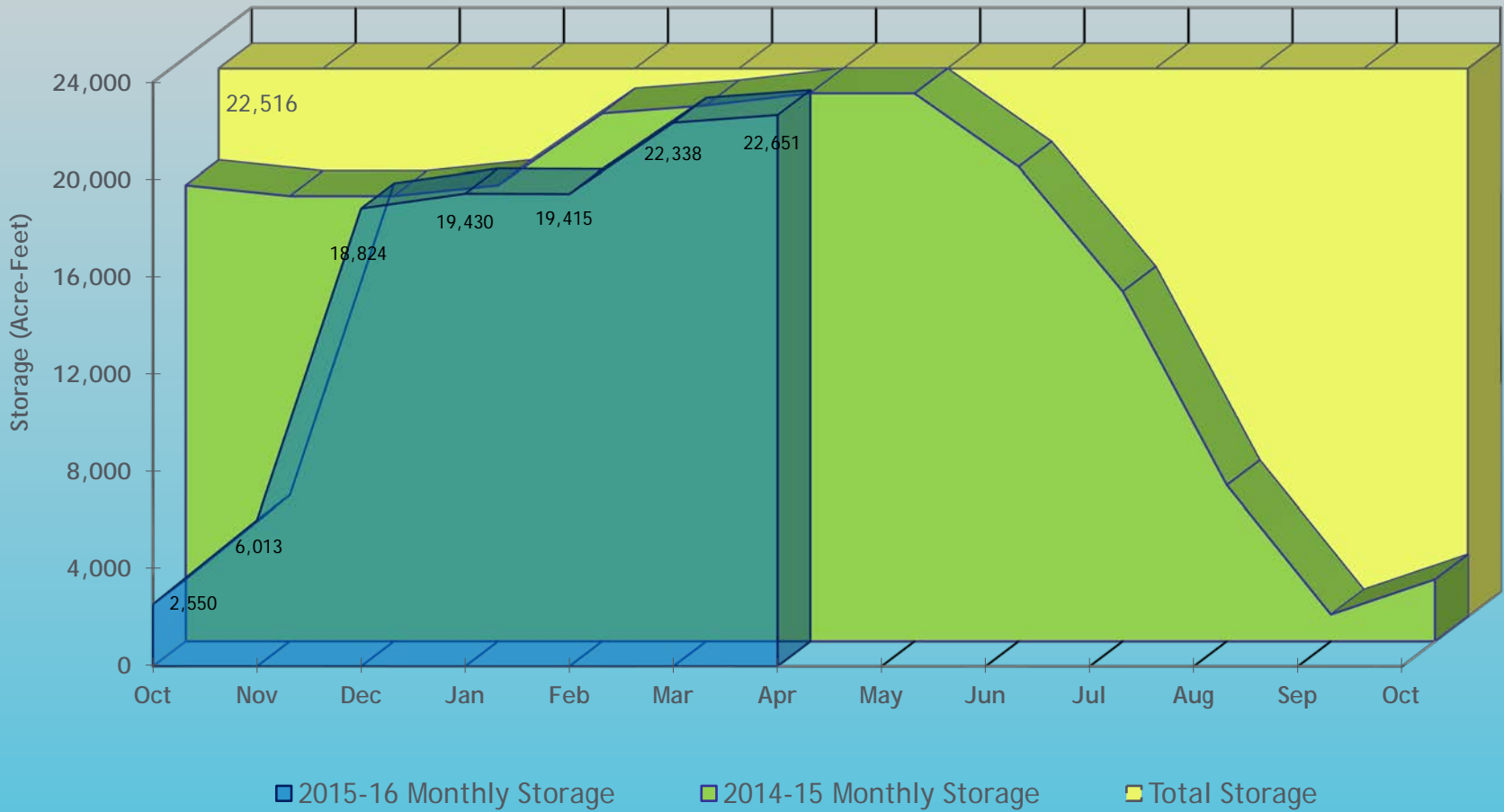
# Marshall Lake (District 6, Boulder Creek - Agricultural)



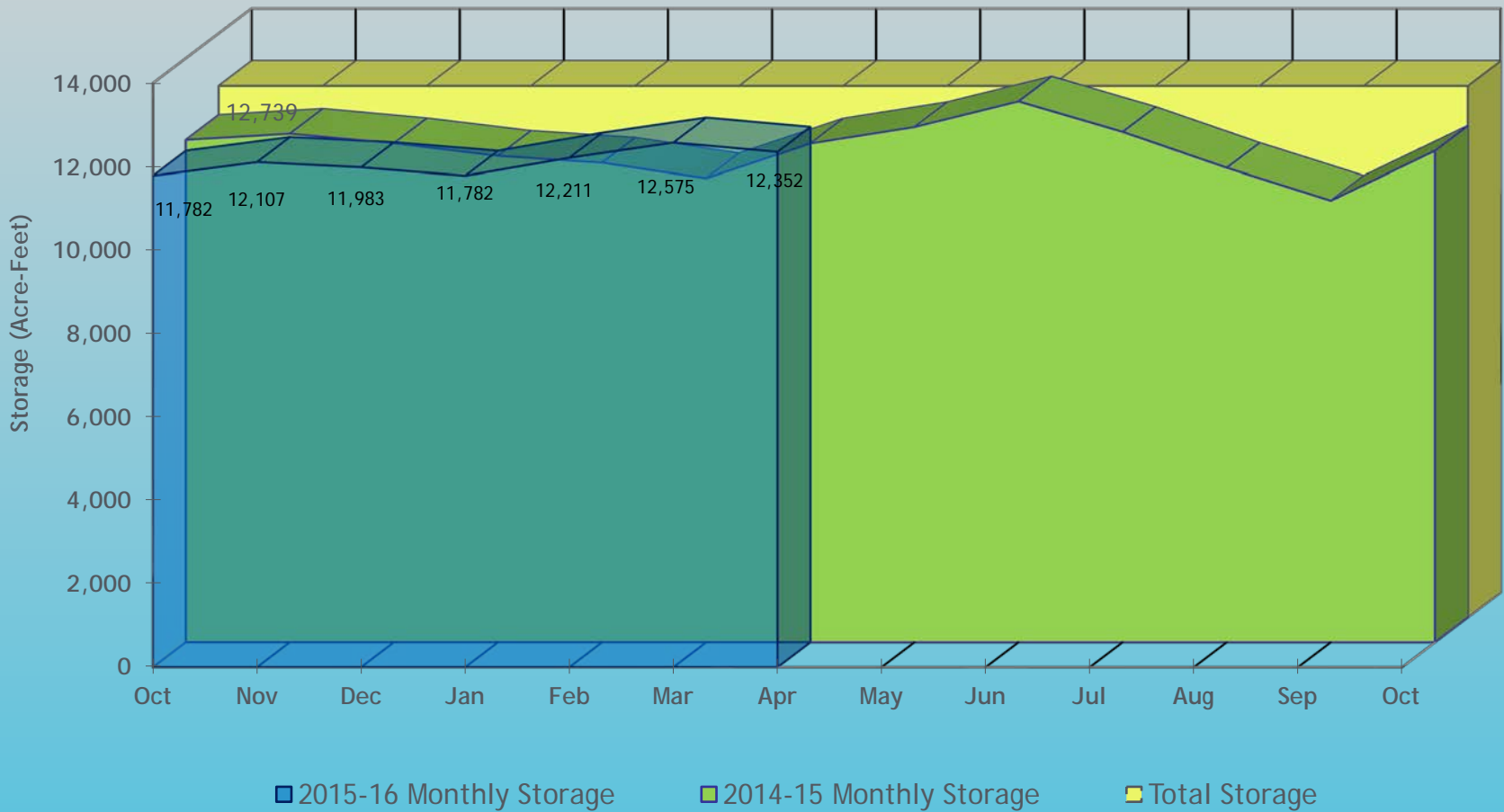
# Loveland Greeley Reservoir (District 4, Big Thompson River - Agricultural)



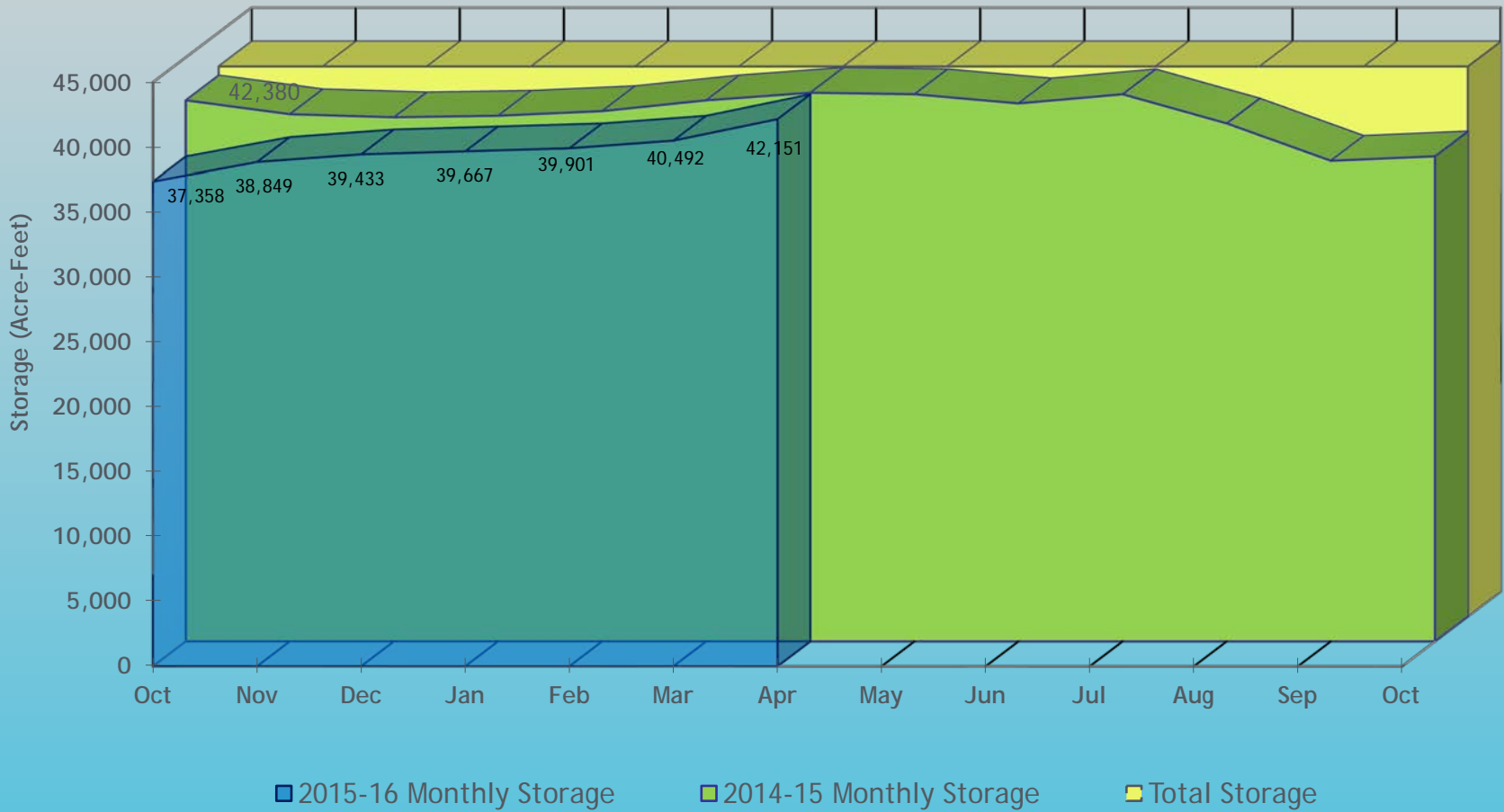
# Milton Reservoir (District 2 - Agricultural)



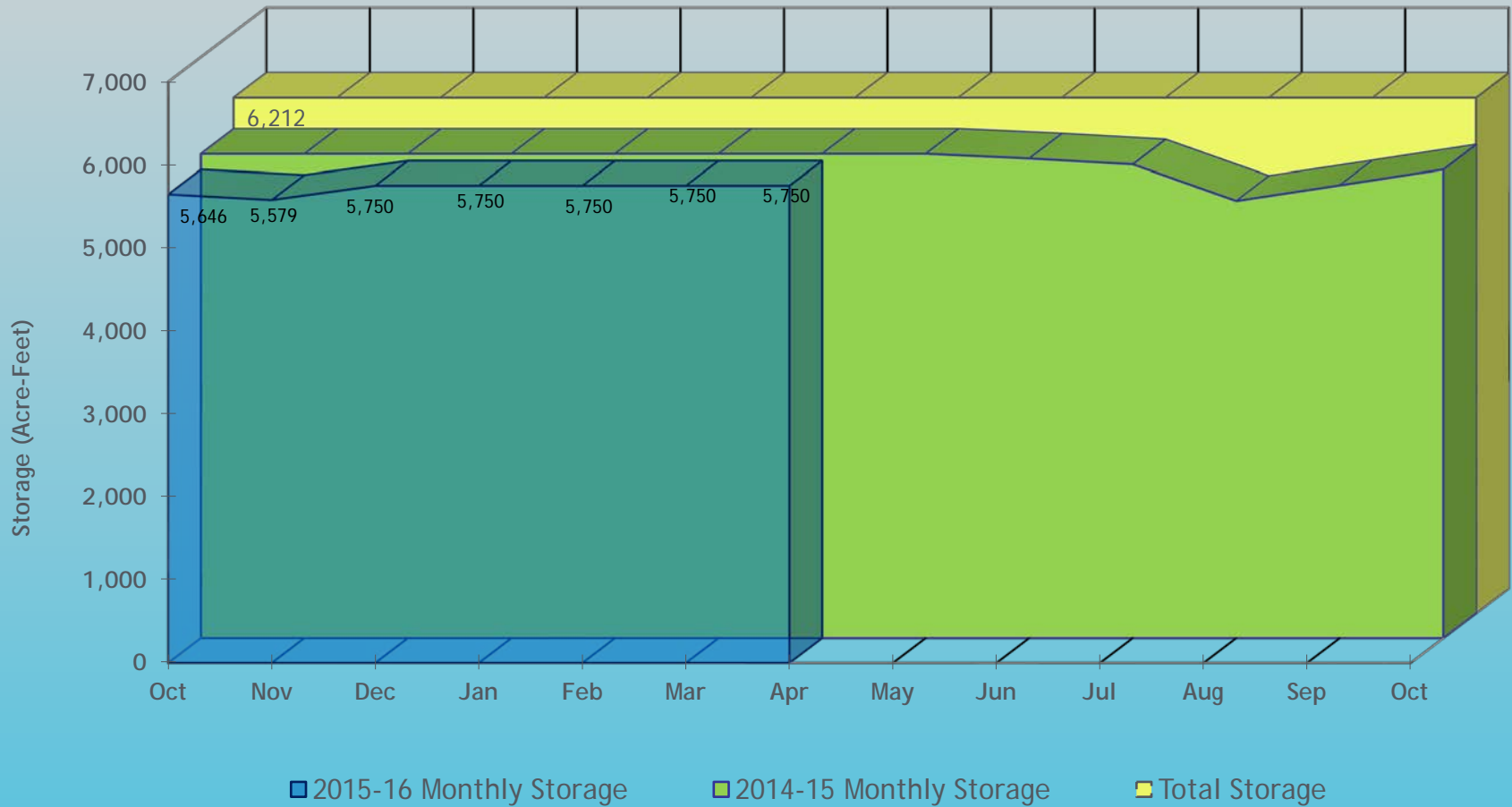
# Union Reservoir (District 5, St. Vrain Creek - Agricultural)



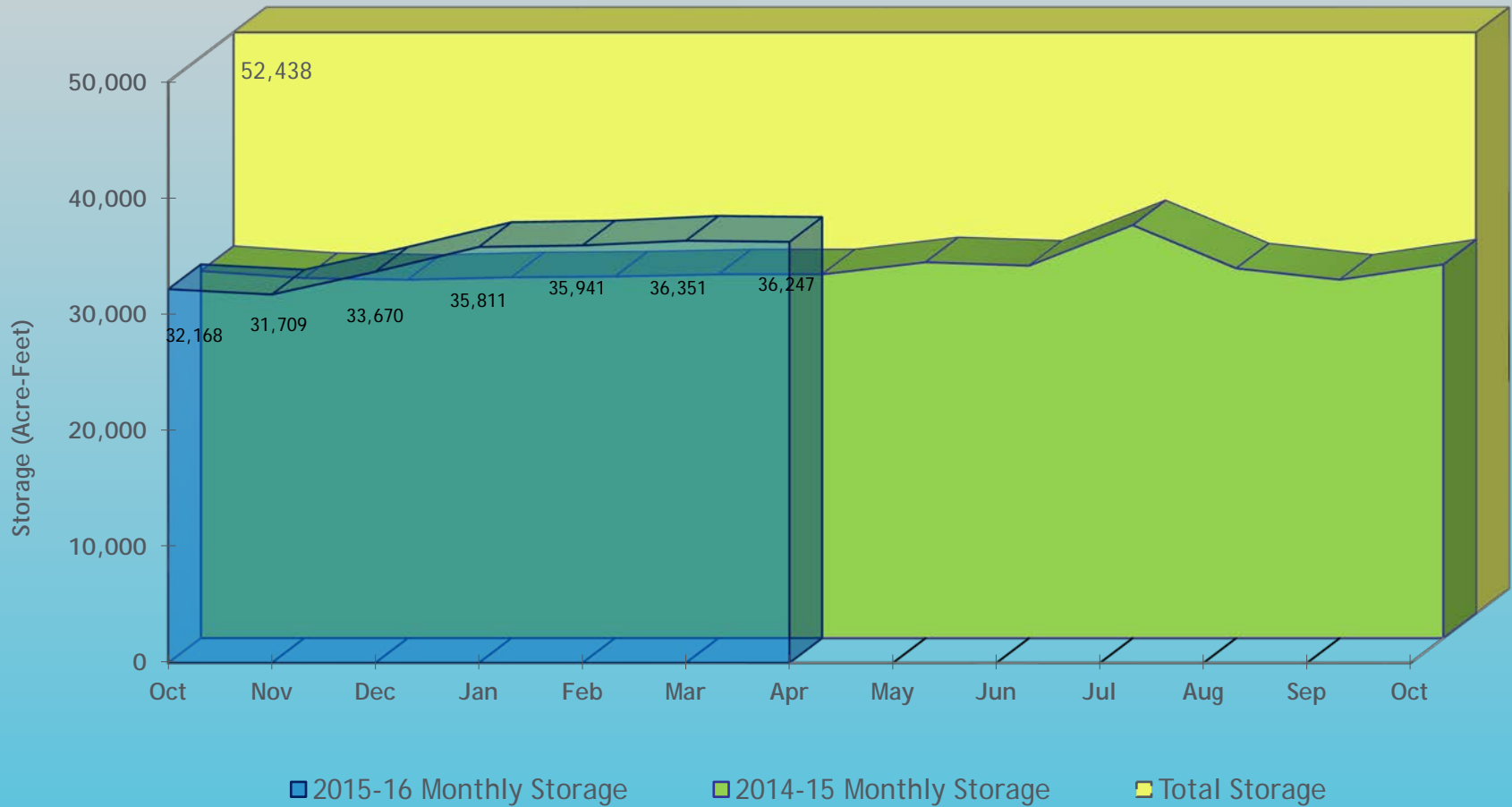
# Standley Lake (Agricultural)



# Lower Latham Reservoir (District 2 - Agricultural)

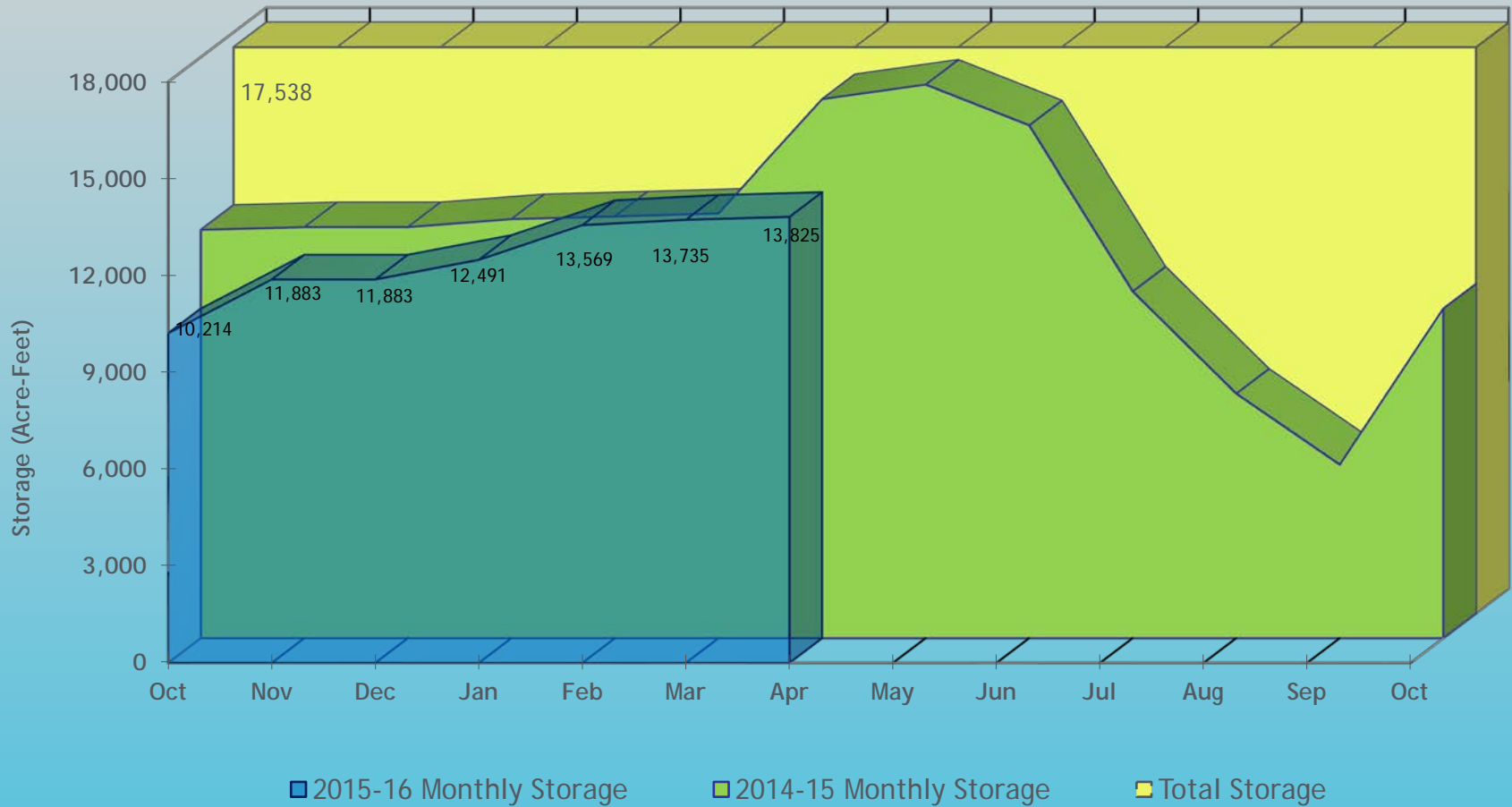


# Boyd Lake (District 4, Big Thompson River - Agricultural)

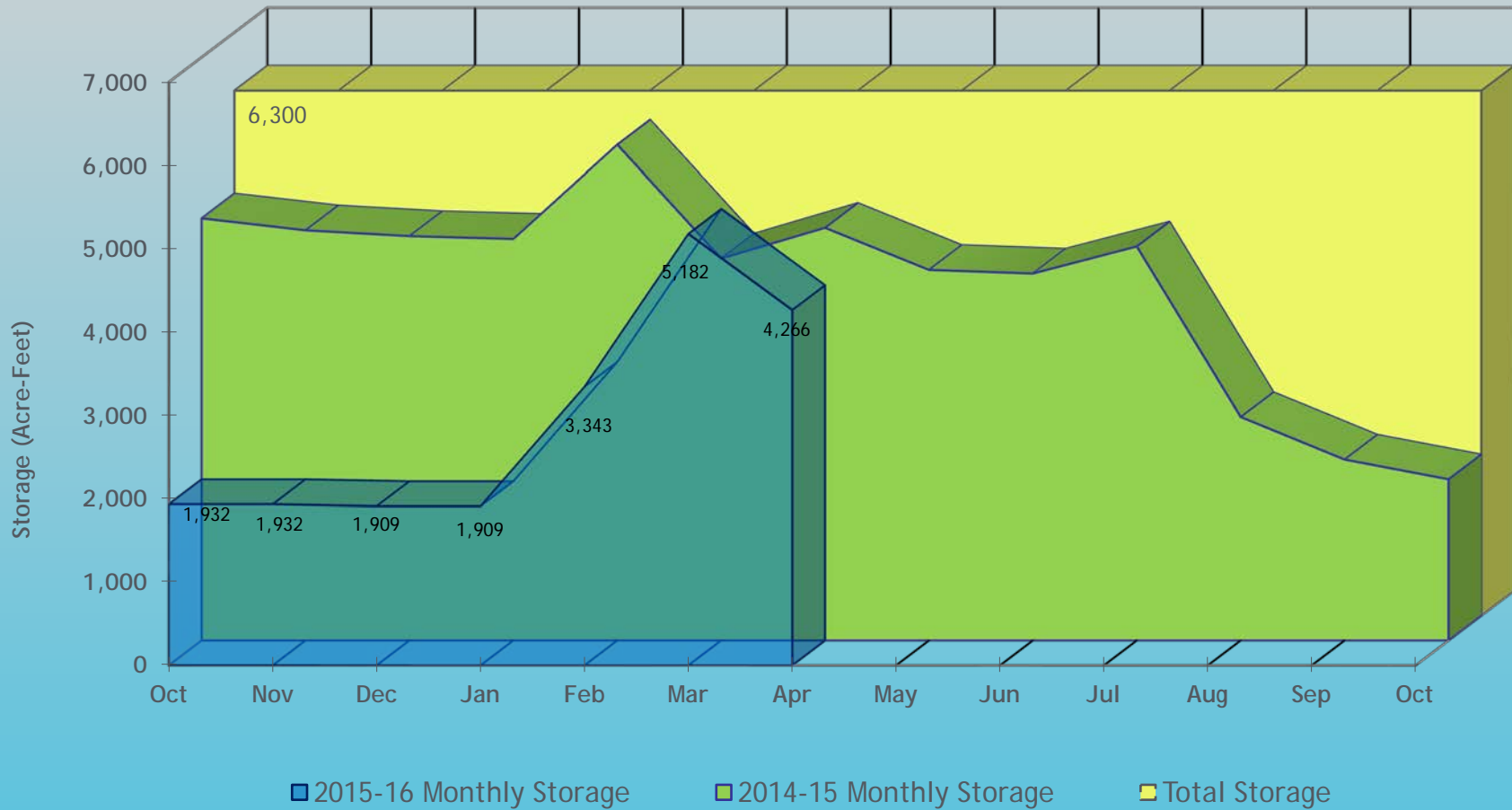




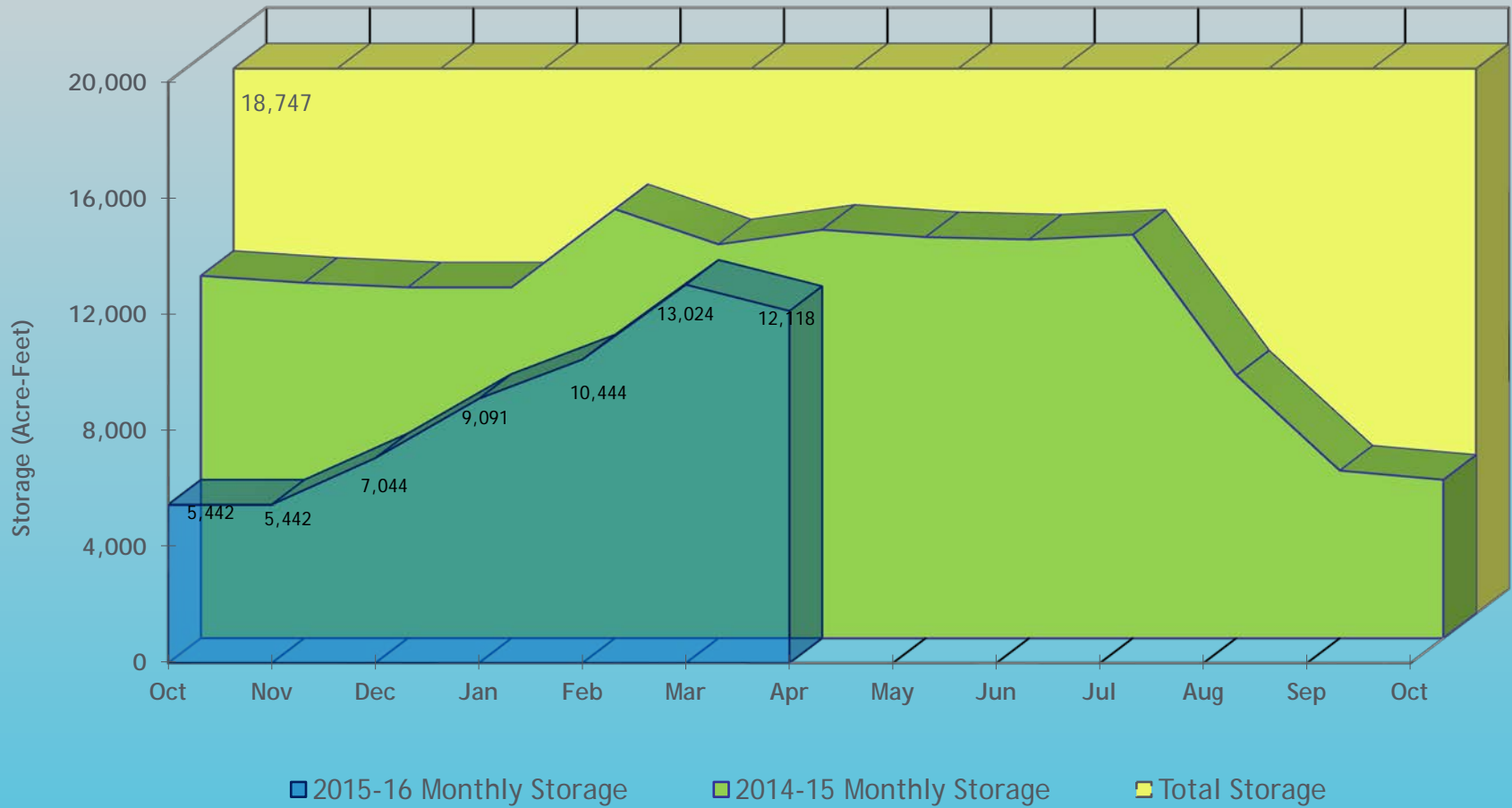
# Windsor Reservoir (District 3, Poudre River - Agricultural)



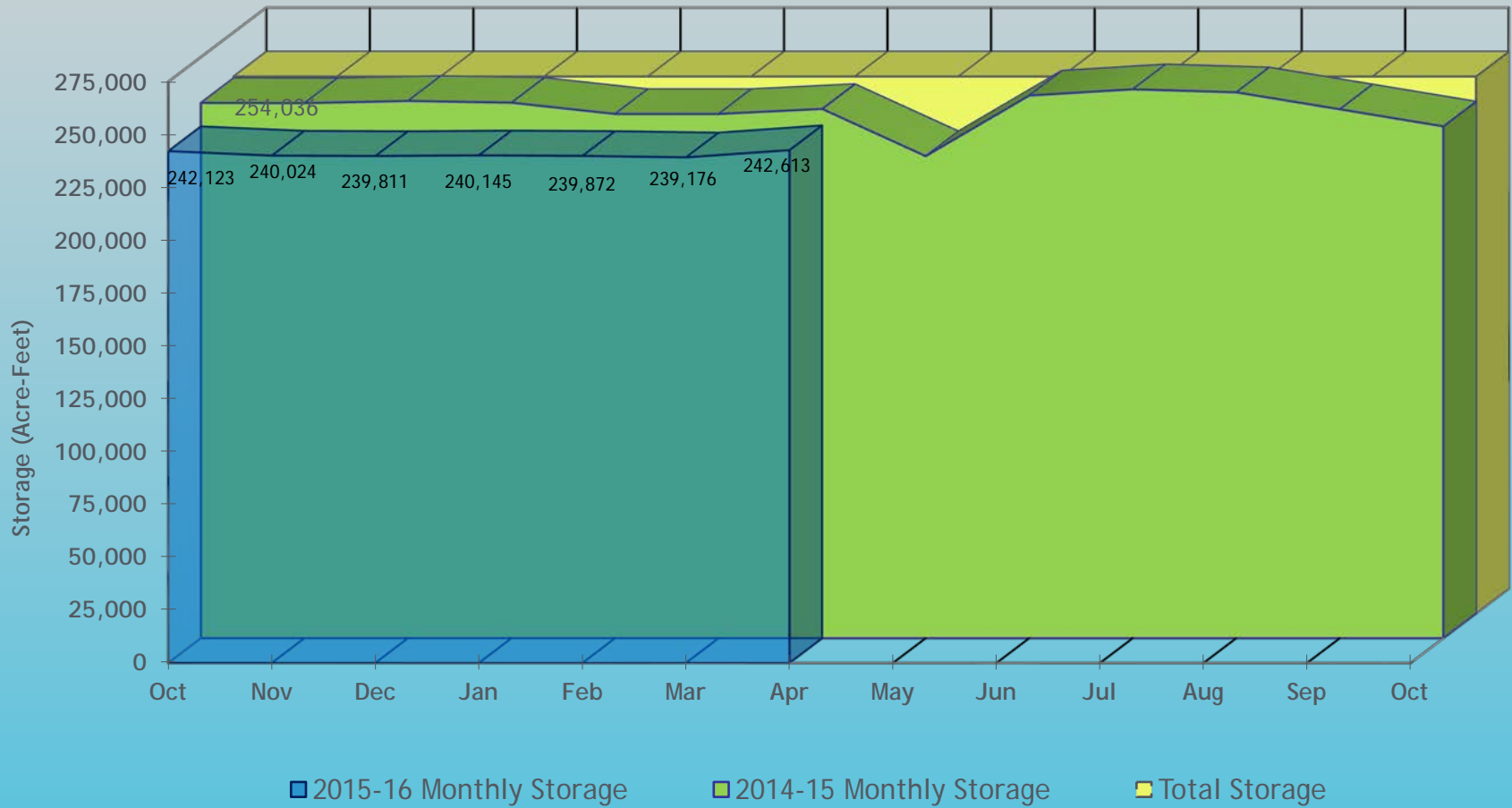
# Prospect Reservoir (District 1 - Agricultural)



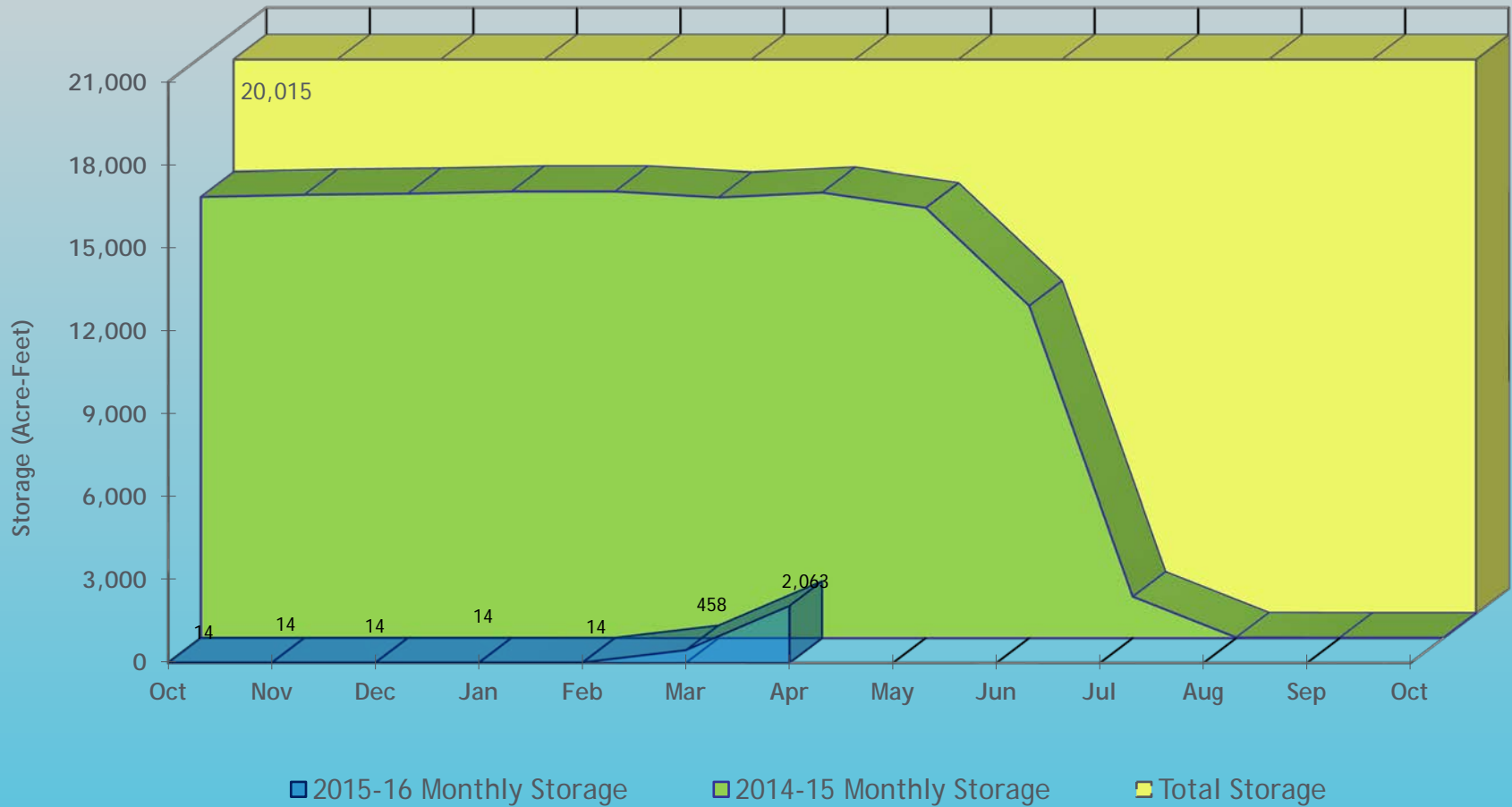
# Horse Creek Reservoir (District 1 - Agricultural)



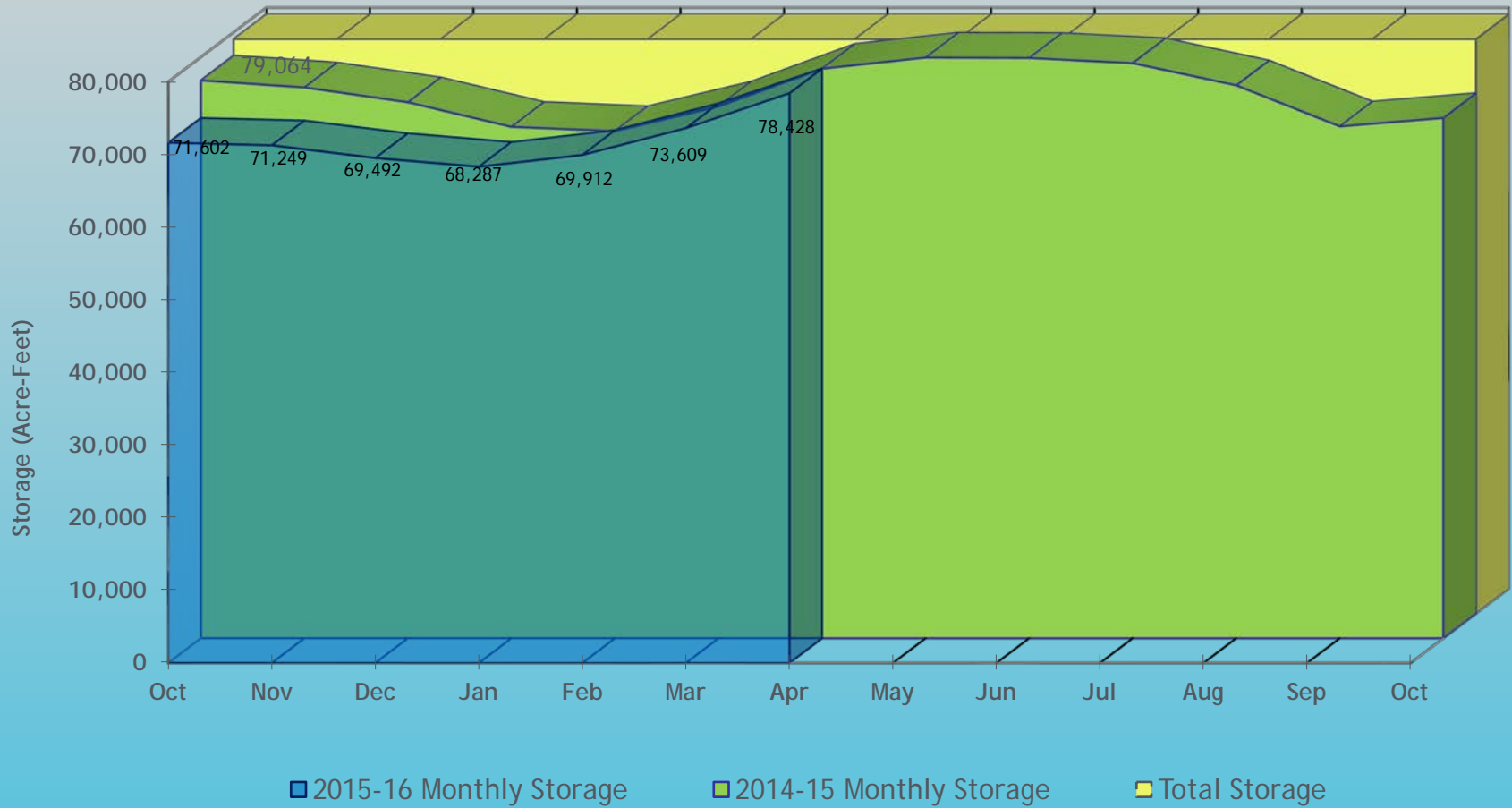
# Dillon Reservoir (District 1 - Municipal)



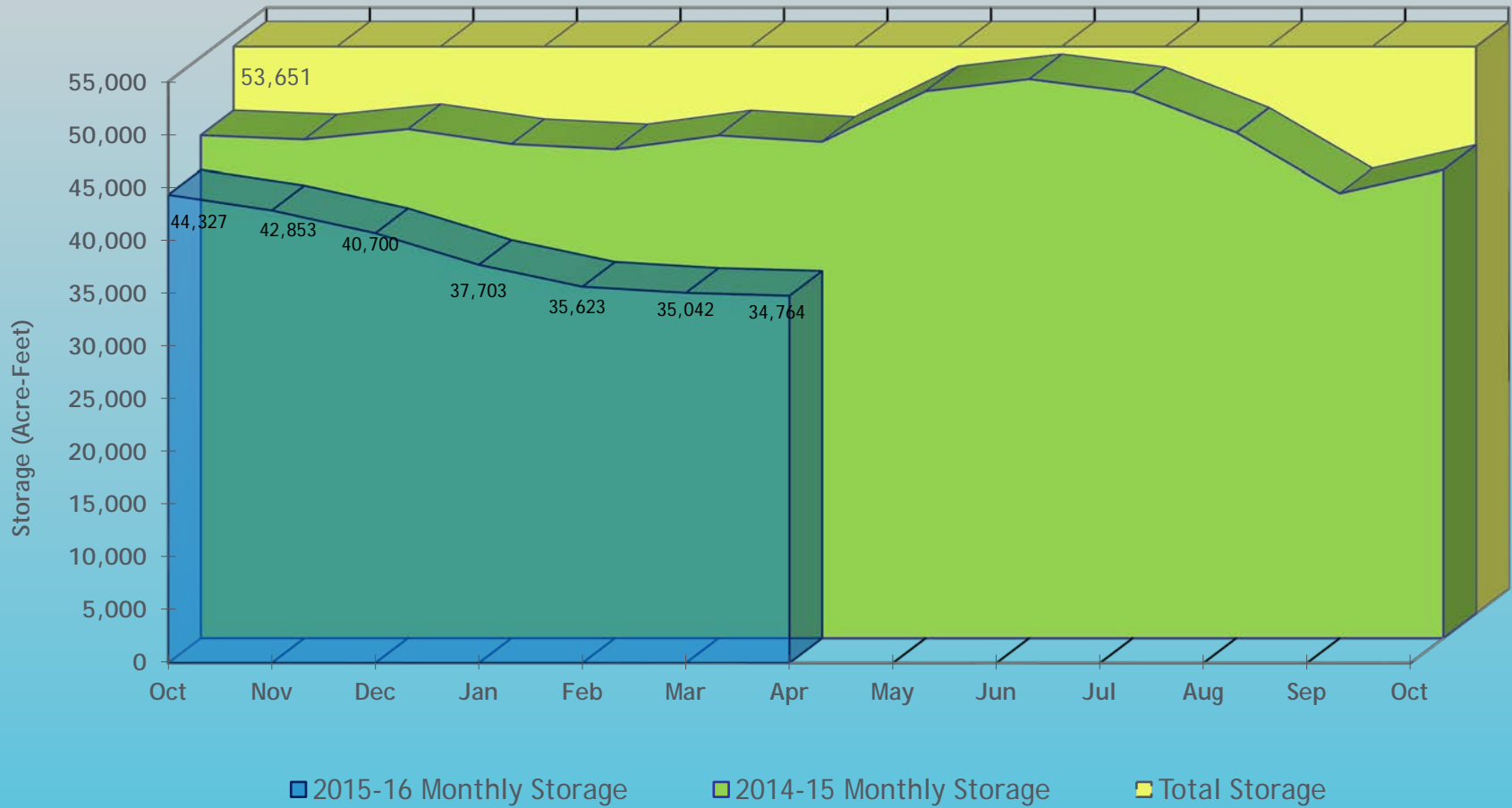
# Antero Reservoir (District 23 - Municipal)



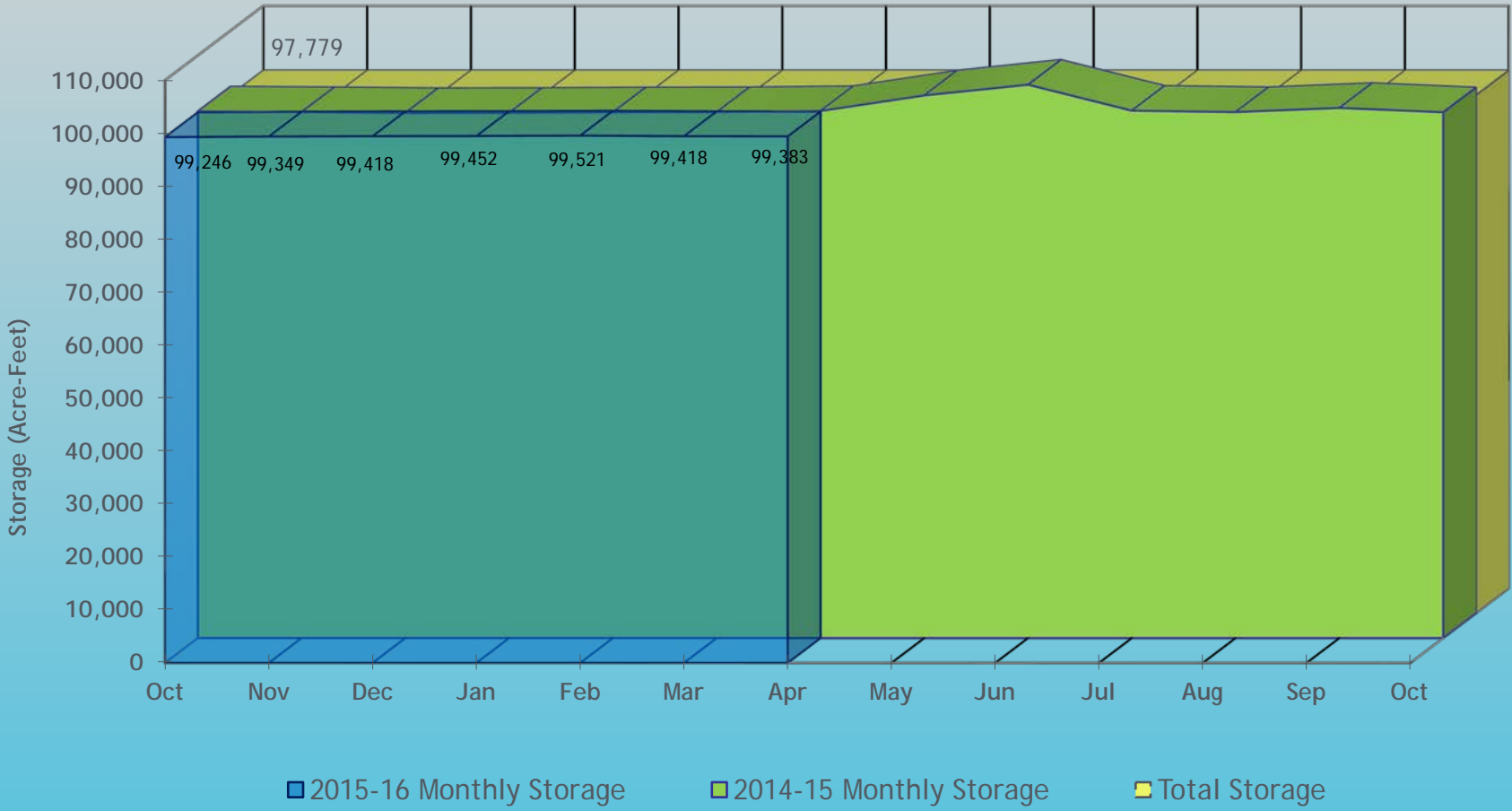
# Cheesman Reservoir (District 80 - Municipal)



# Spinney Mountain Reservoir (District 23 - Municipal)



# Eleven Mile Reservoir (District 23 - Municipal)





# Lake Granby

