



COLORADO
Department of Natural Resources

South Platte Summary December 2015

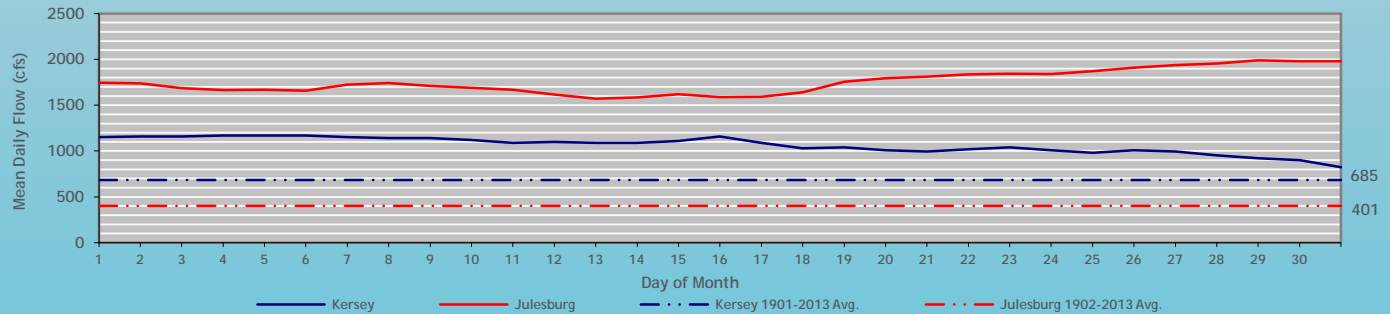
Compiled by Lee Cunning, P.E.

COLORADO DIVISION OF WATER RESOURCES, DIVISION 1

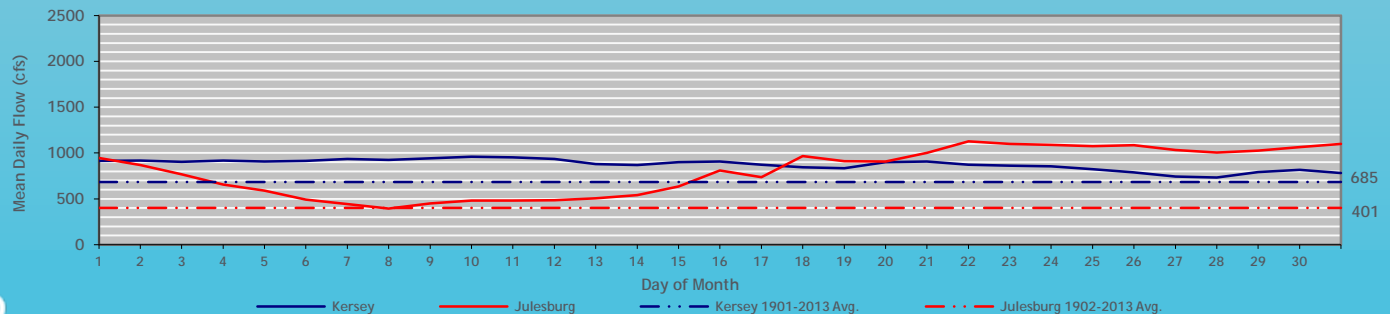
MONTH OF December 2015

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	18,685	18,616	64	-69	0%	82%	81%	0
N STERLING	73,730	40,933	57,221	64	16,288	40%	78%	97%	0
PREWITT	28,500	25,087	23,141	64	-1,946	-8%	81%	74%	0
JACKSON	27,257	25,213	25,213	1	0	0%	93%	90%	0
EMPIRE	37,700	16,469	19,759	1	3,290	20%	52%	62%	0
RIVERSIDE	63,113	44,328	50,993	1	6,665	15%	81%	89%	0
BARR LAKE	32,152	13,378	16,828	2	3,450	26%	52%	48%	0
CHEESMAN	79,064	71,249	69,492	80	-1,757	-2%	88%	93%	0
ELEVEN MILE	97,779	99,349	99,418	23	69	0%	100%	100%	1,639
SPINNEY	53,651	42,853	40,700	23	-2,153	-5%	76%	90%	0
ANTERO	20,015	14	14	23	0	0%	0%	80%	0

KERSEY and JULESBURG
December 2014



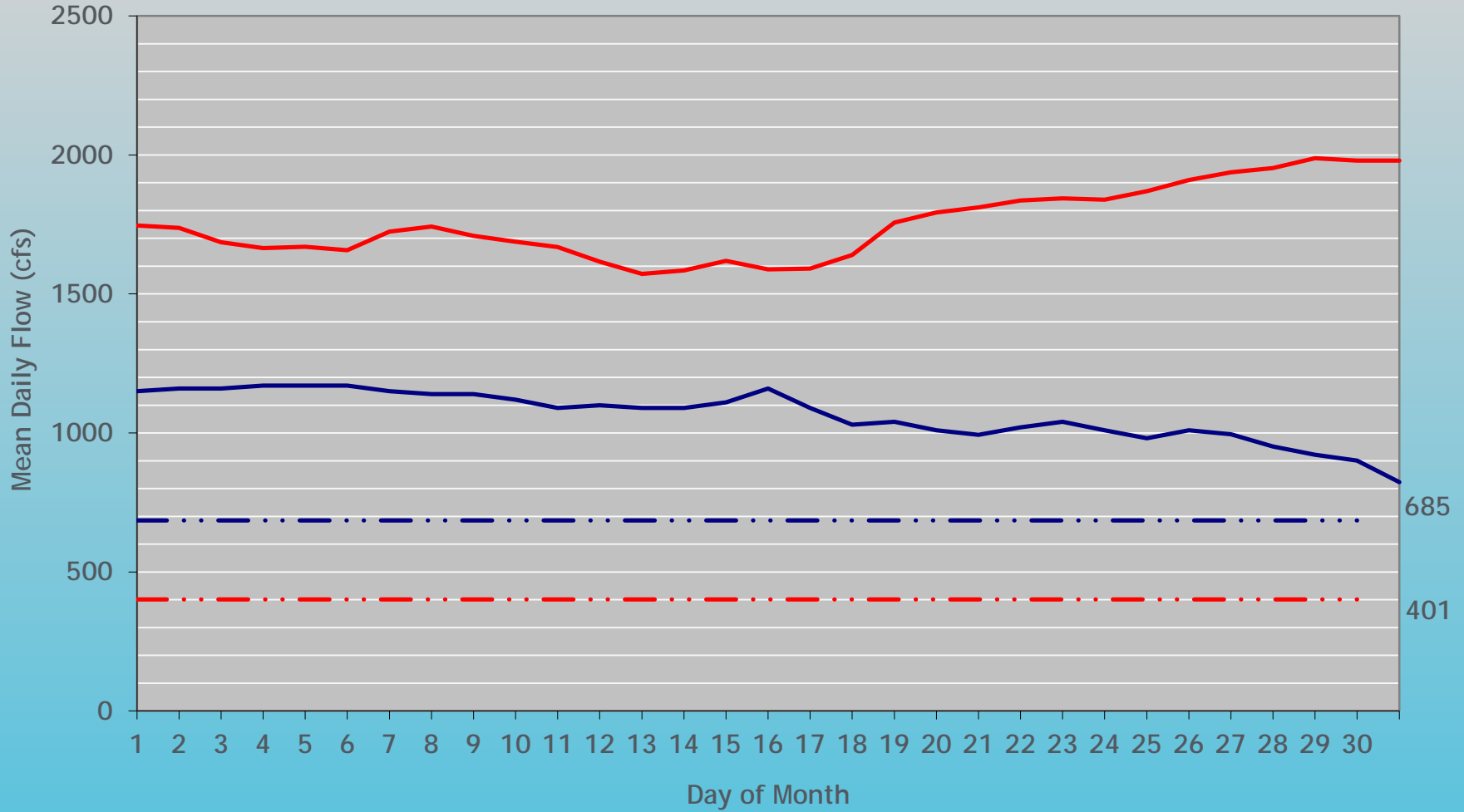
KERSEY and JULESBURG
December 2015



RIVER GAGES	MEAN DAILY FLOW (CFS)
KERSEY	874
JULESBURG	799
THIS MONTH LAST YEAR	
KERSEY	1064
JULESBURG	1755
MEAN FOR PERIOD OF RECORD*	
KERSEY	685
JULESBURG	401

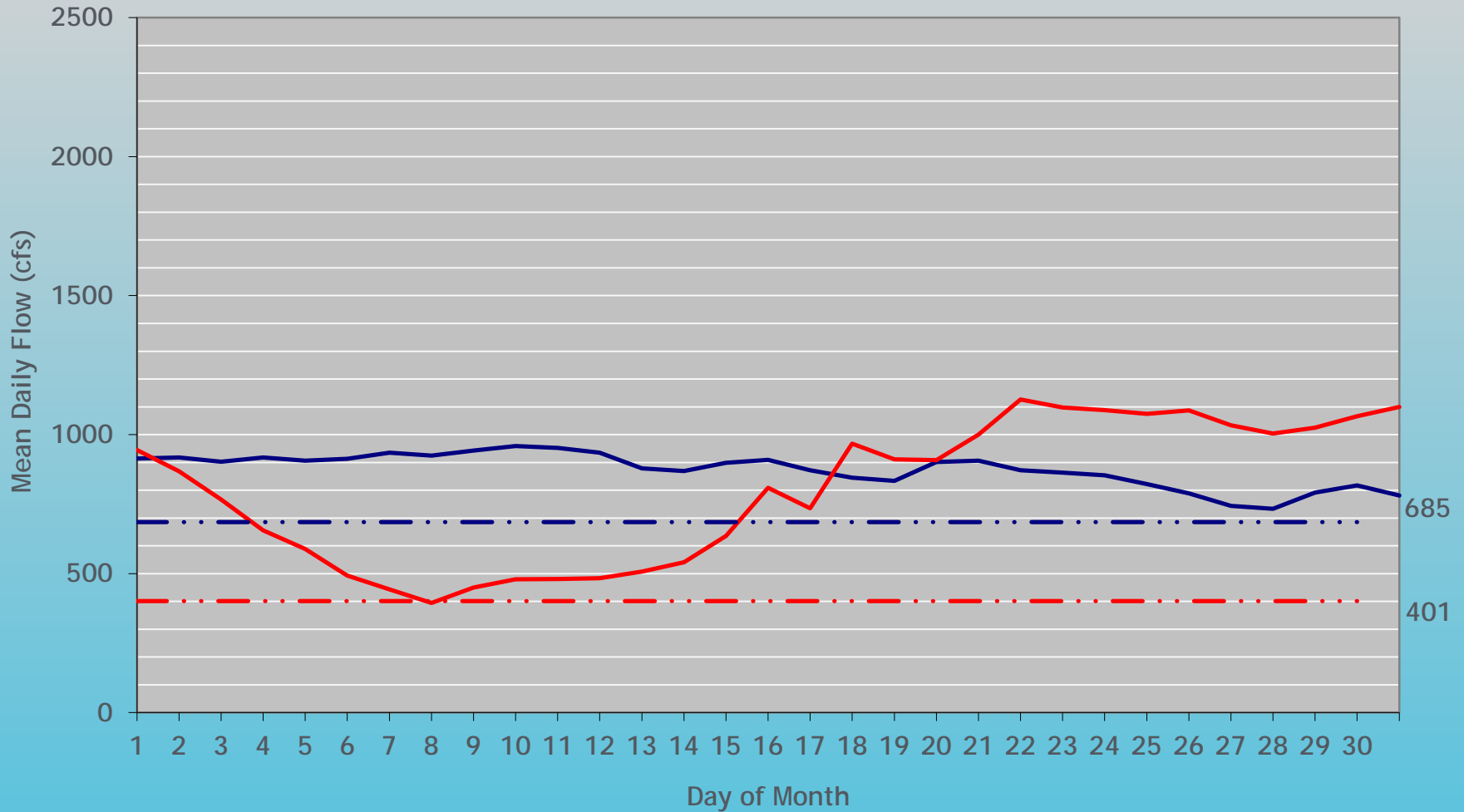
*Kersey 1901 - 2013
*Julesburg 1902 - 2013

KERSEY and JULESBURG December 2014



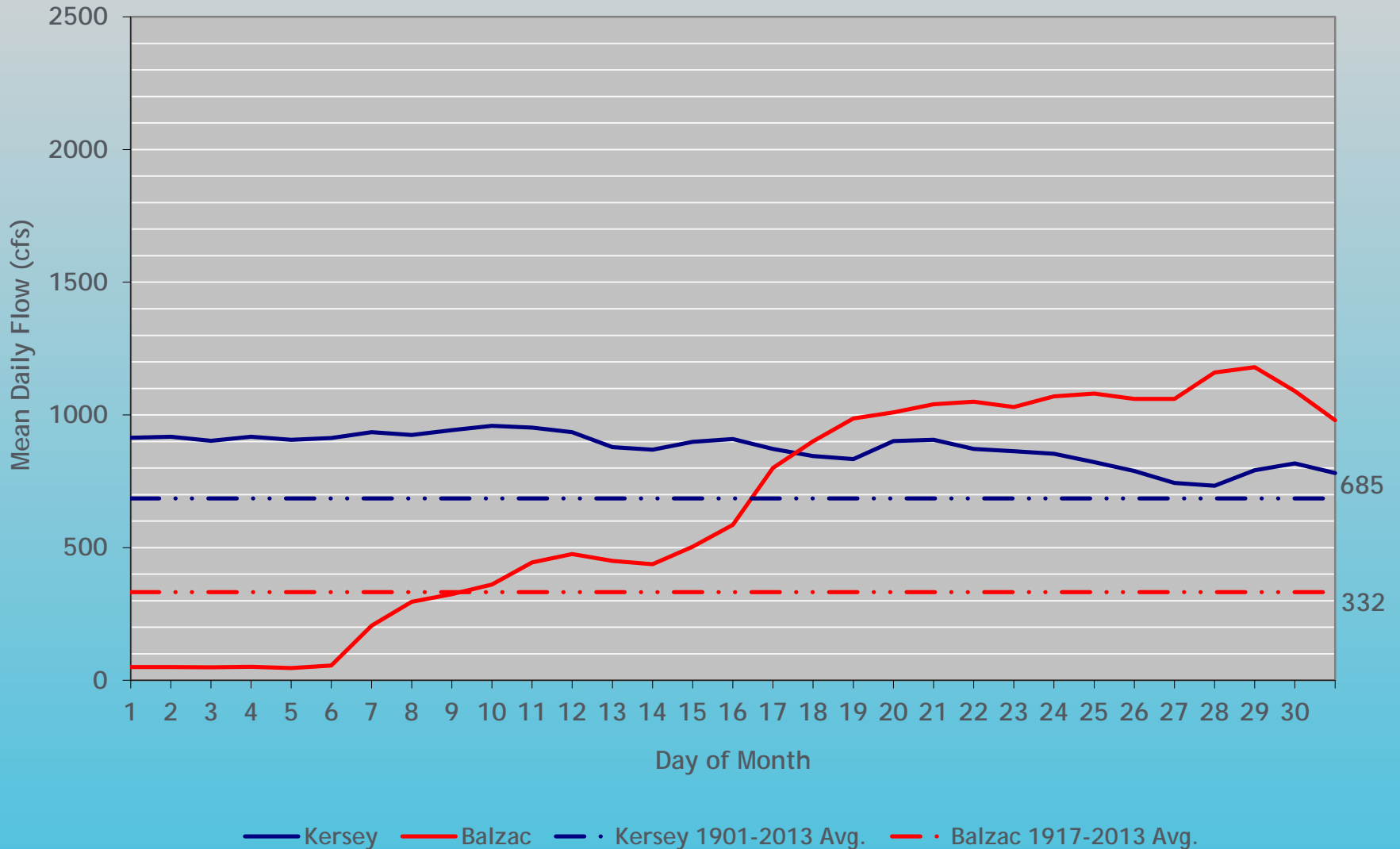
— Kersey — Julesburg — · Kersey 1901-2013 Avg. — · Julesburg 1902-2013 Avg.

KERSEY and JULESBURG December 2015



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

KERSEY and BALZAC December 2015



South Platte River Monthly Stream Flow (cfs) Statistics

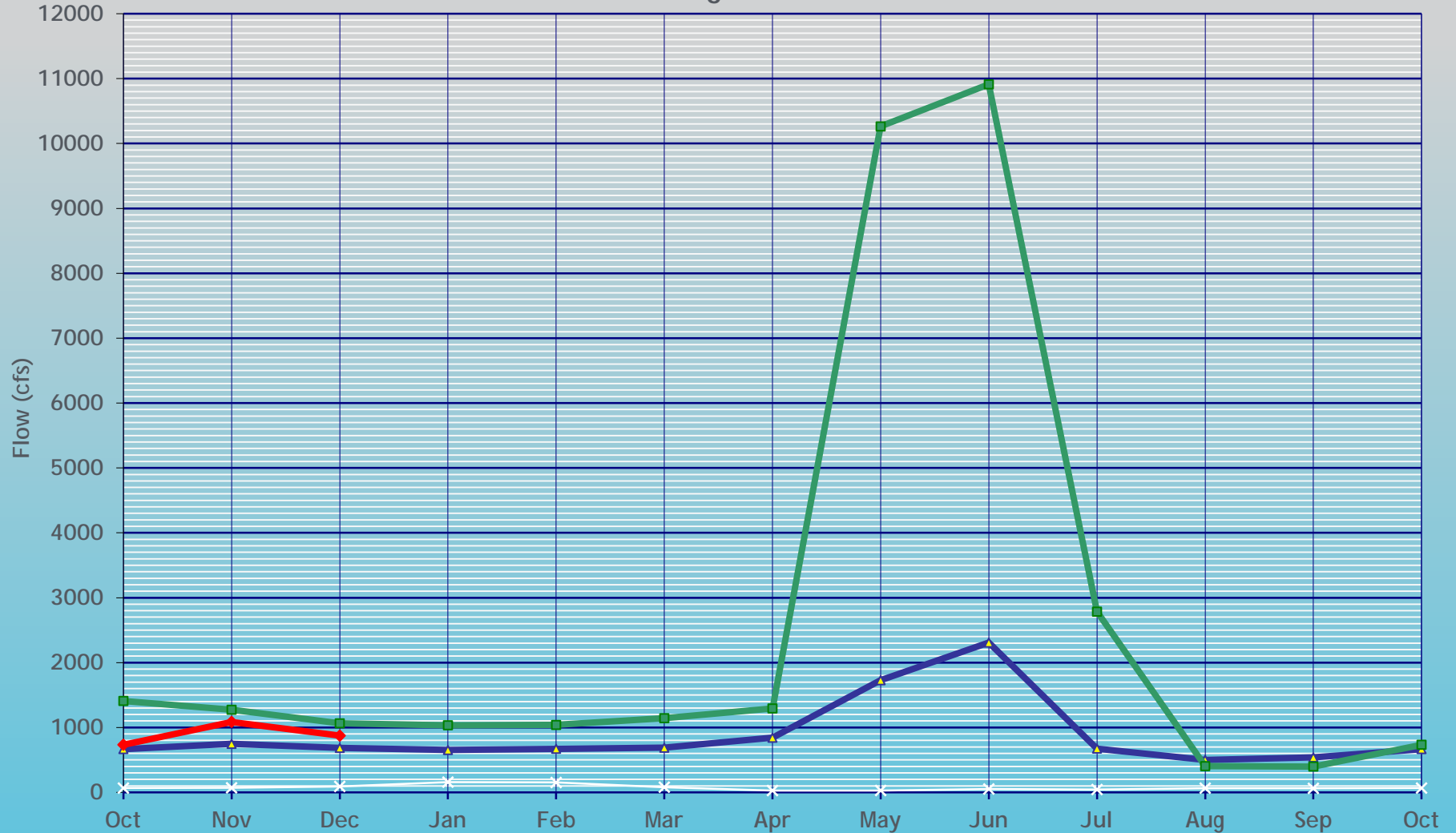
South Platte River at Kersey							South Platte River at Julesburg						
Month	Historic* Mean Flow	Historic* Max Flow	Year	Historic* Min Flow	Year	IY 2016 Mean Monthly Flow	Month	Historic* Mean Flow	Historic* Max Flow	Year	Historic* Min Flow	Year	IY 2016 Mean Monthly Flow
Oct	667	6180	1984	66	1954	734	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		Jan	512	2510	1970	21	2003	
Feb	671	3060	1914	152	1935		Feb	578	3220	1930	29	2005	
Mar	688	3470	1983	80	1935		Mar	512	12900	1910	15	1904	
Apr	842	18100	1942	28	1955		Apr	514	14400	1942	4.0	1904	
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

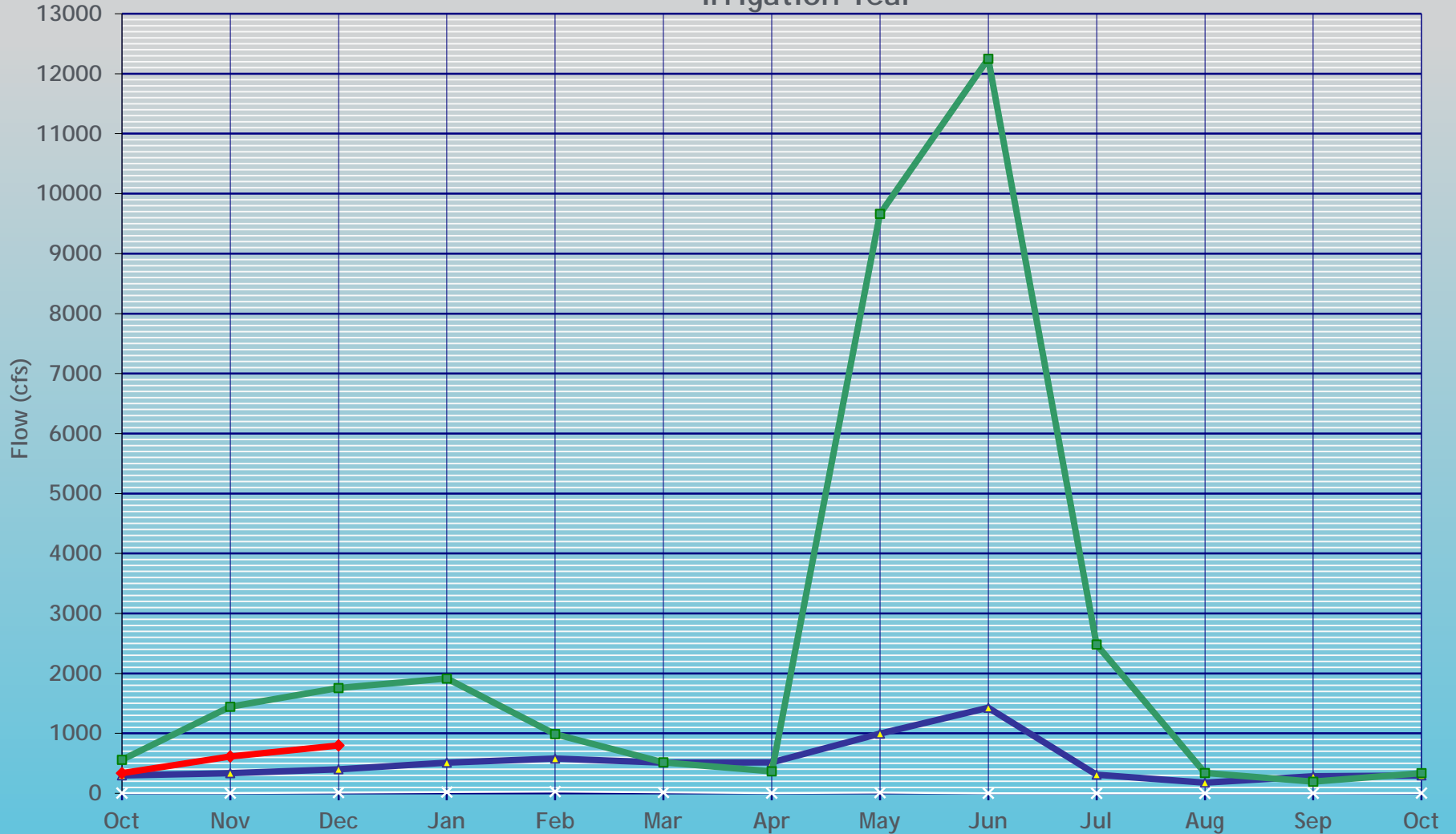


Historic* Mean Flow Historic* Min Flow 2015-2016 Mean Flow 2014-2015 Mean Flow

*1901-2013

South Platte River at Julesburg

Irrigation Year



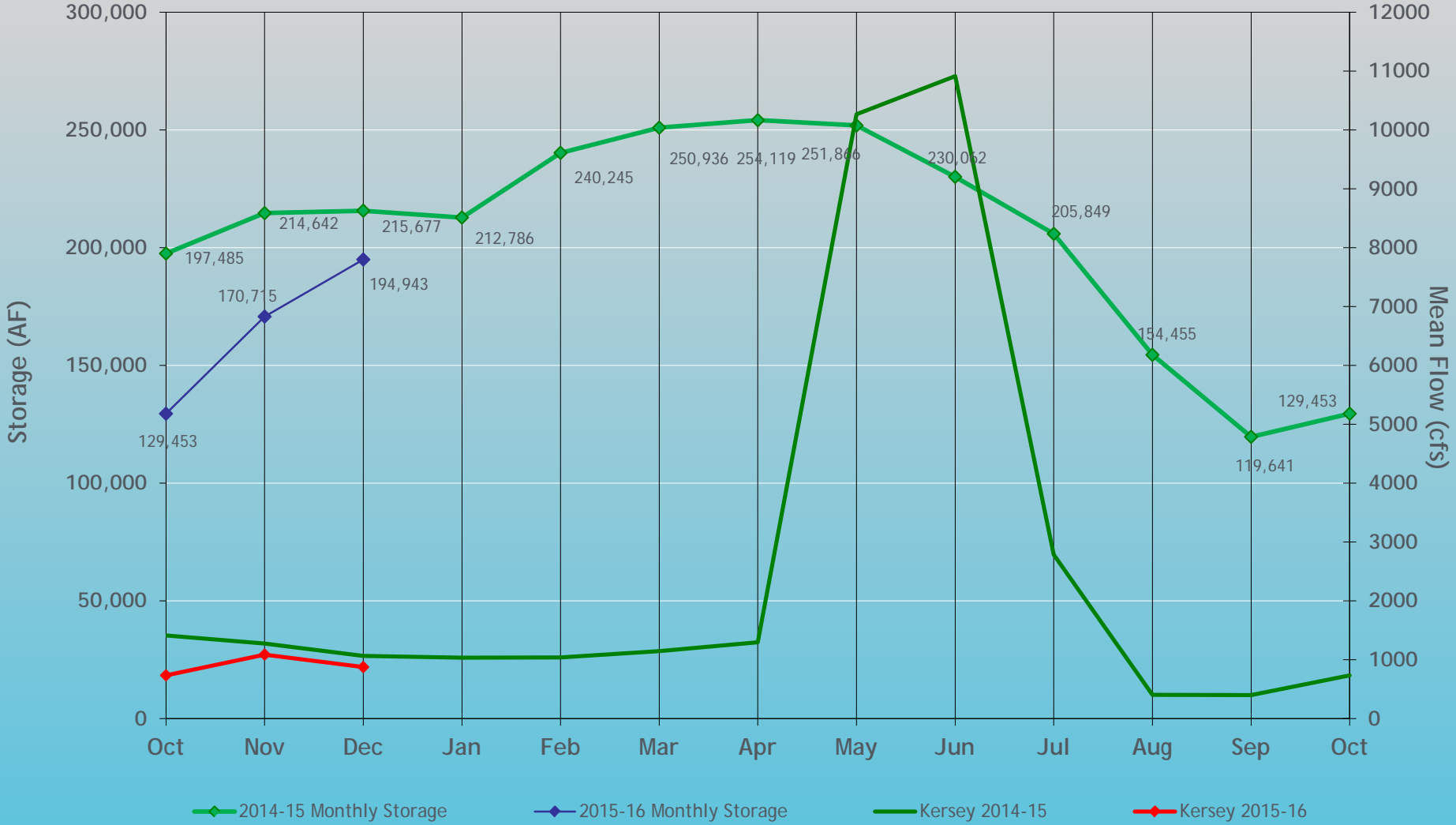
Historic* Mean Flow Historic* Min Flow 2014-2015 Mean Flow 2014-2015 Mean Flow

*1901-2013



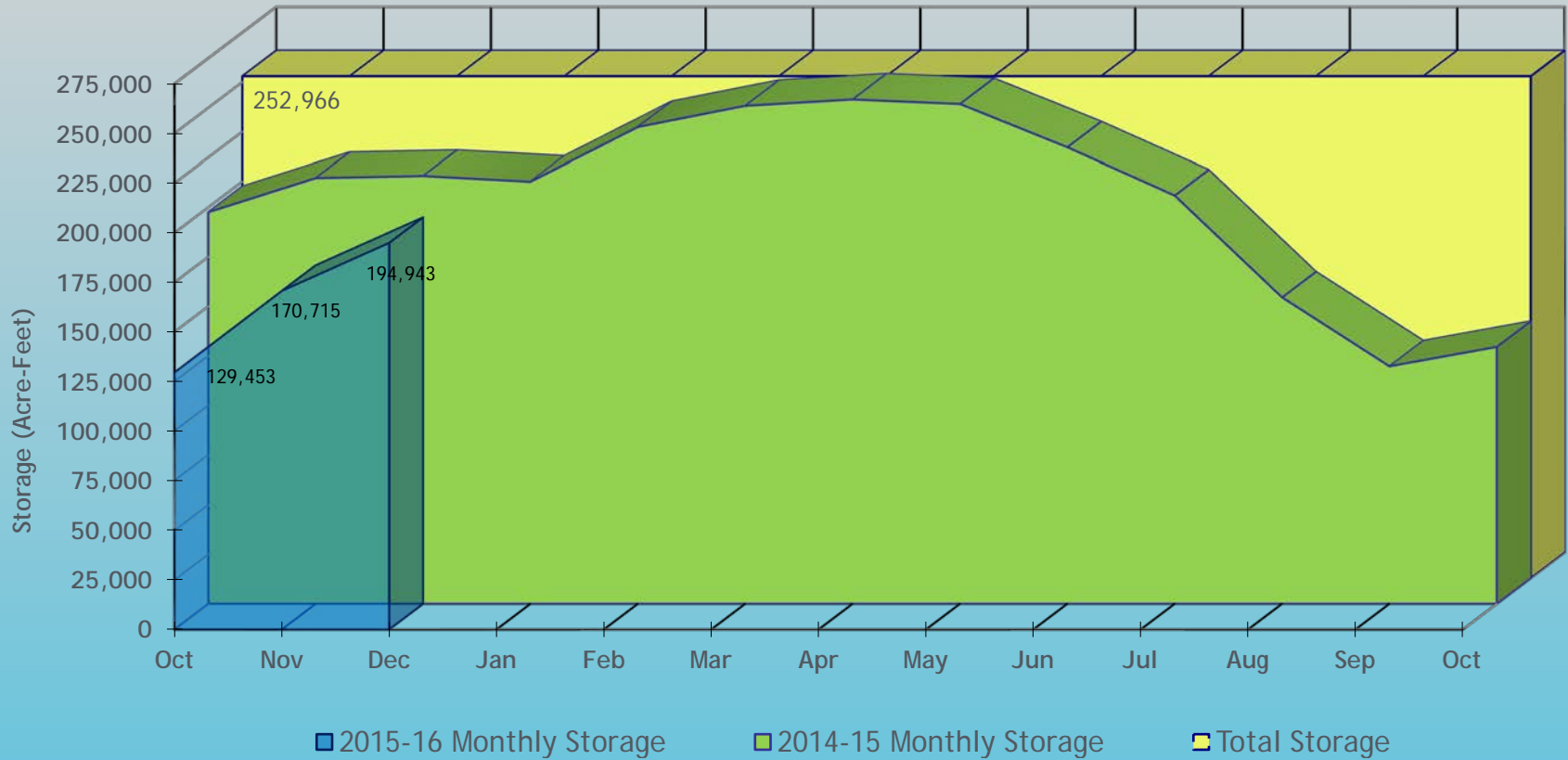
Reservoir Storage below Kersey

Selected Reservoirs*



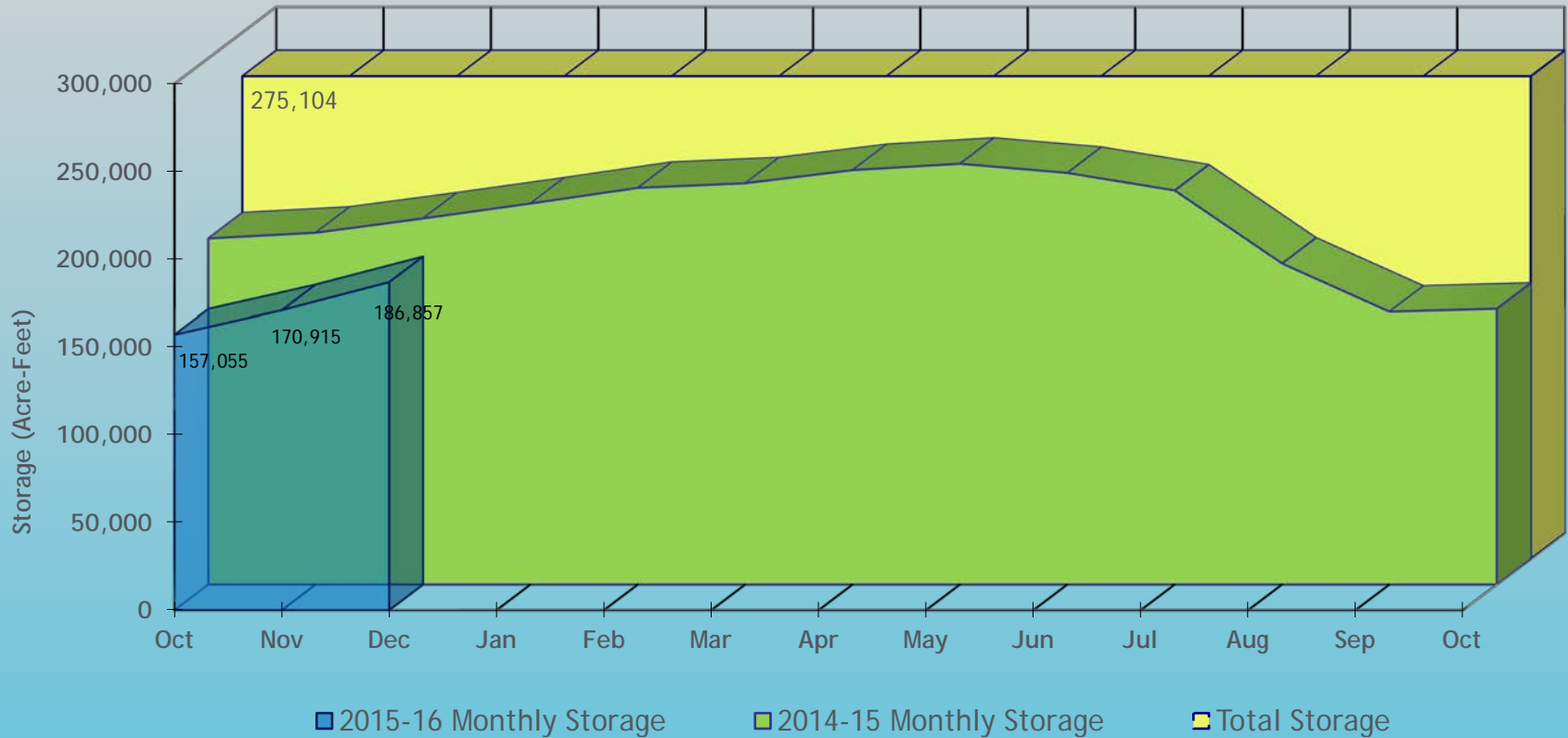
*Empire, Riverside, Jackson, Prewitt, North Sterling, & Julesburg

South Platte Reservoir Storage below Kersey*



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

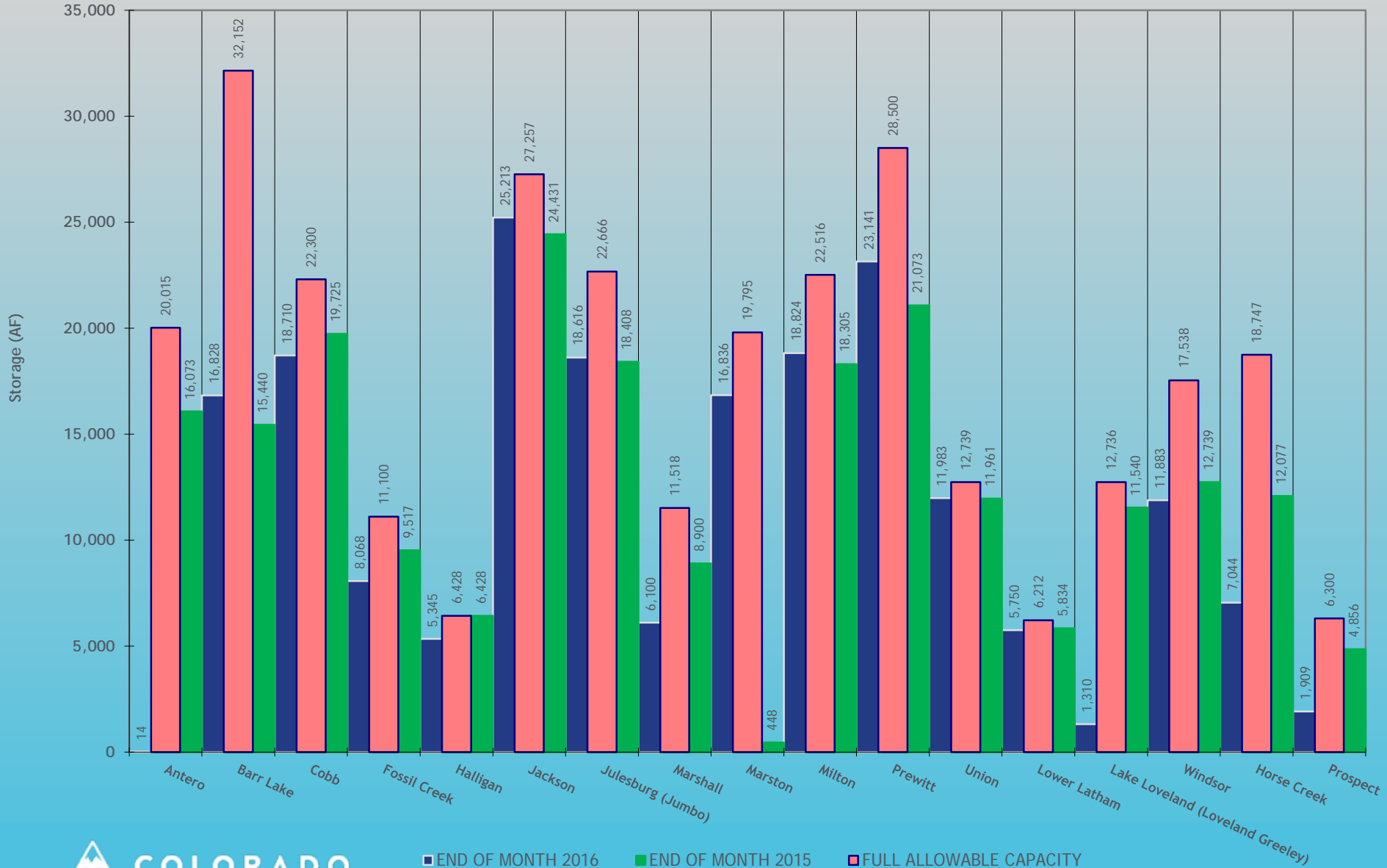
South Platte Reservoir Storage above Kersey*



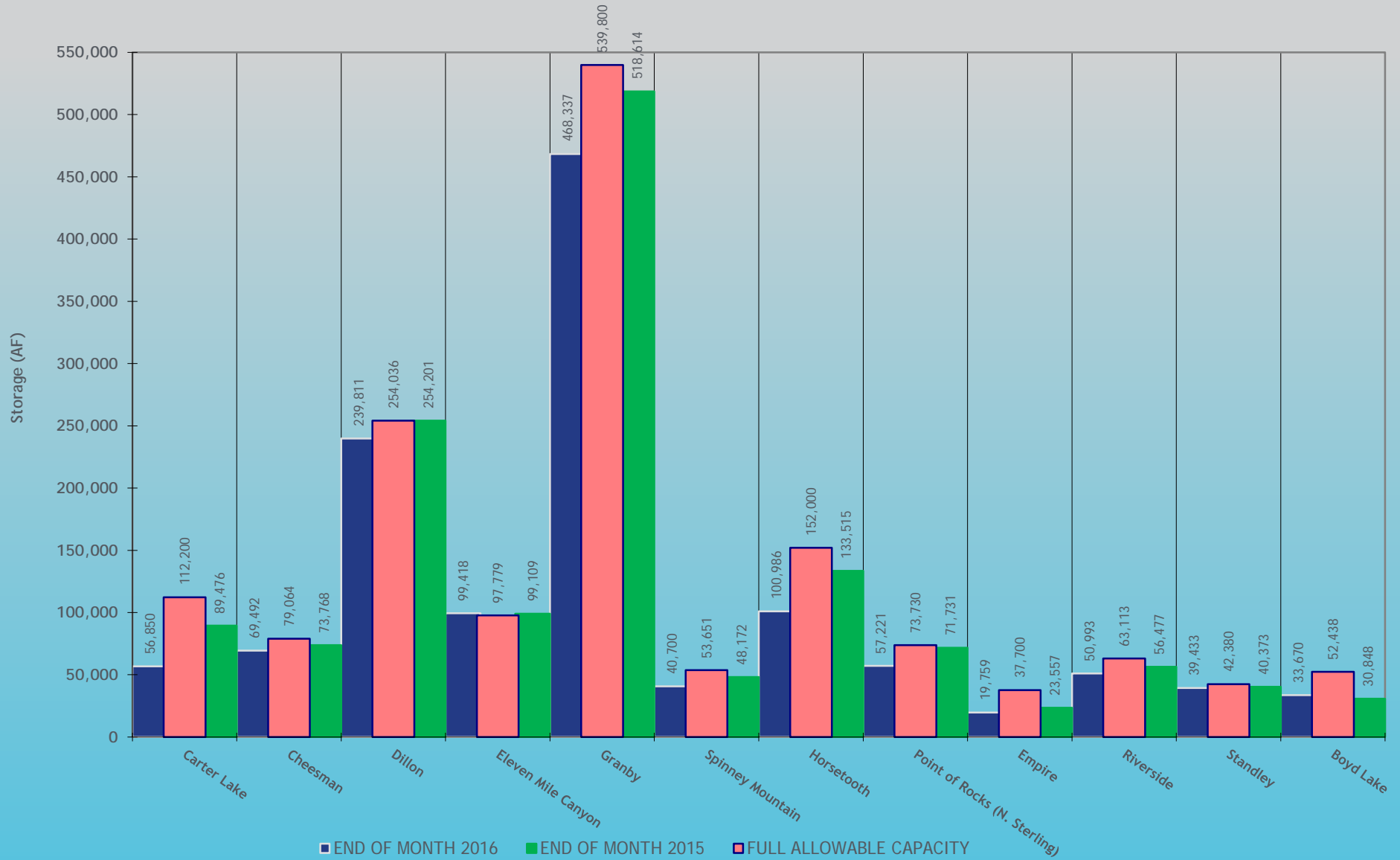
*Barr, Cobb, Fossil Crk, Halligan, Marshall, Milton, Union, Standley, Lower Latham, Boyd, Loveland, Windsor, Horse Crk, & Prospect



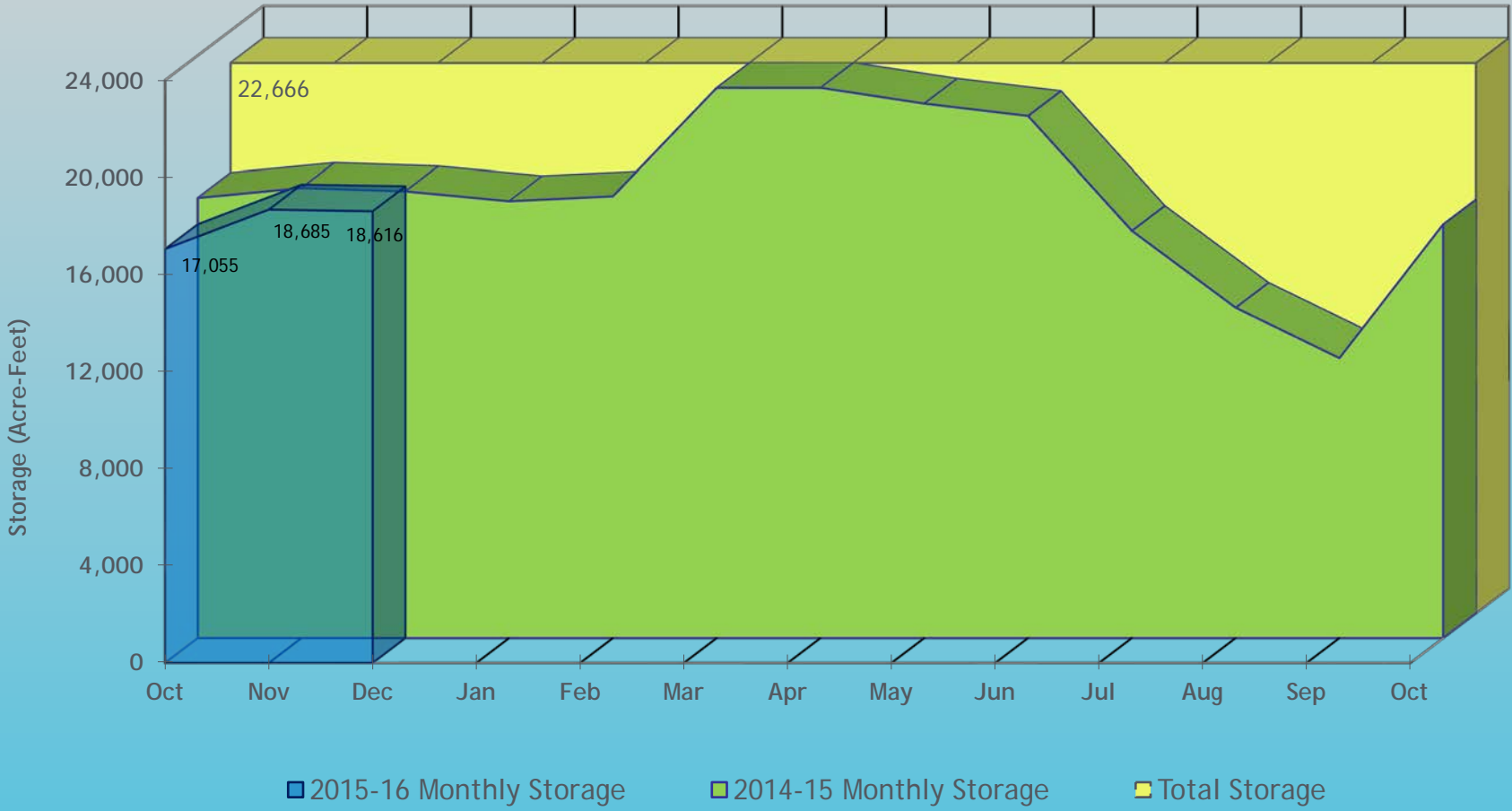
December Reservoir Change in Storage 2015 versus 2016



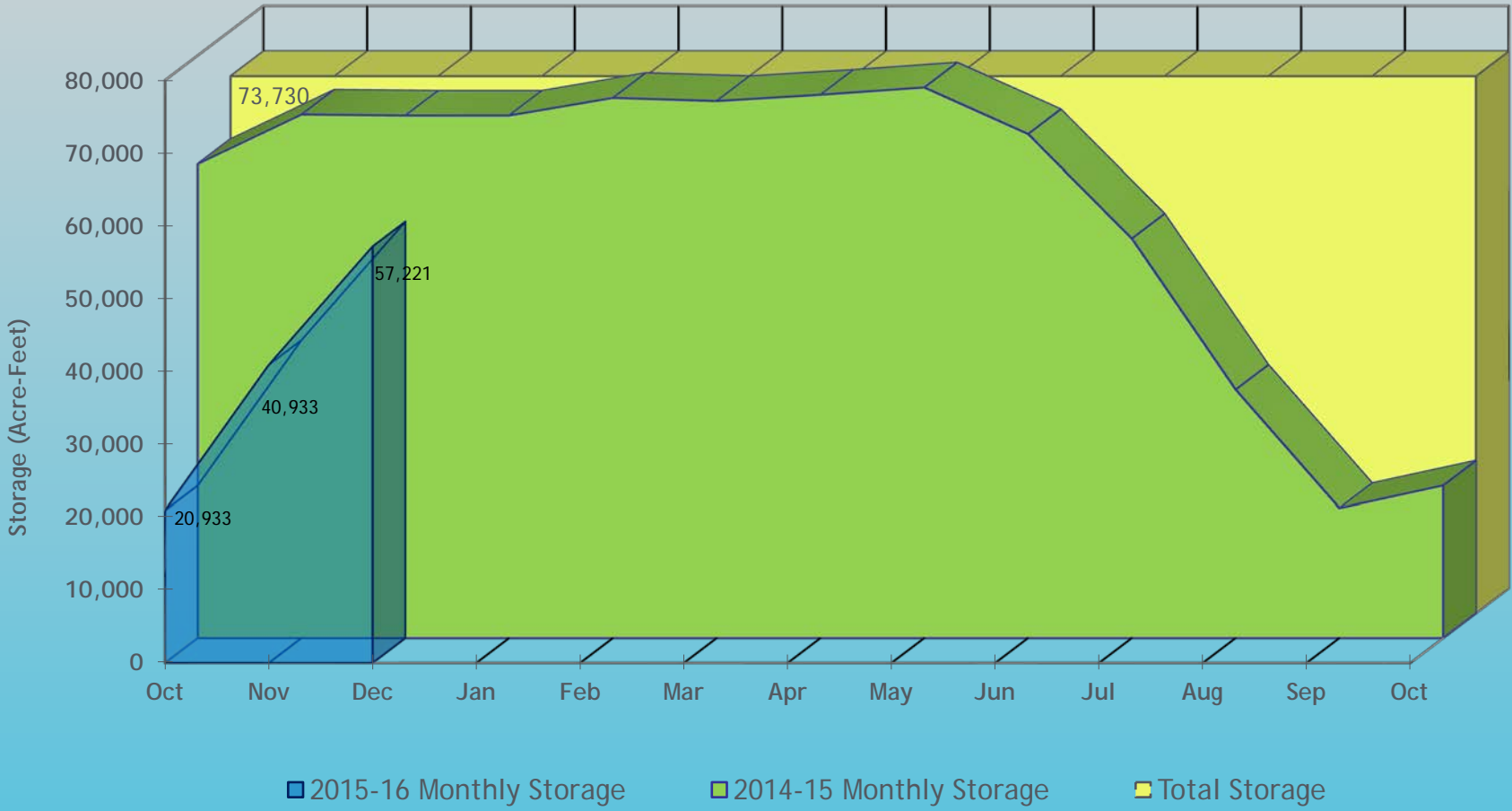
December Reservoir Change in Storage 2015 versus 2016



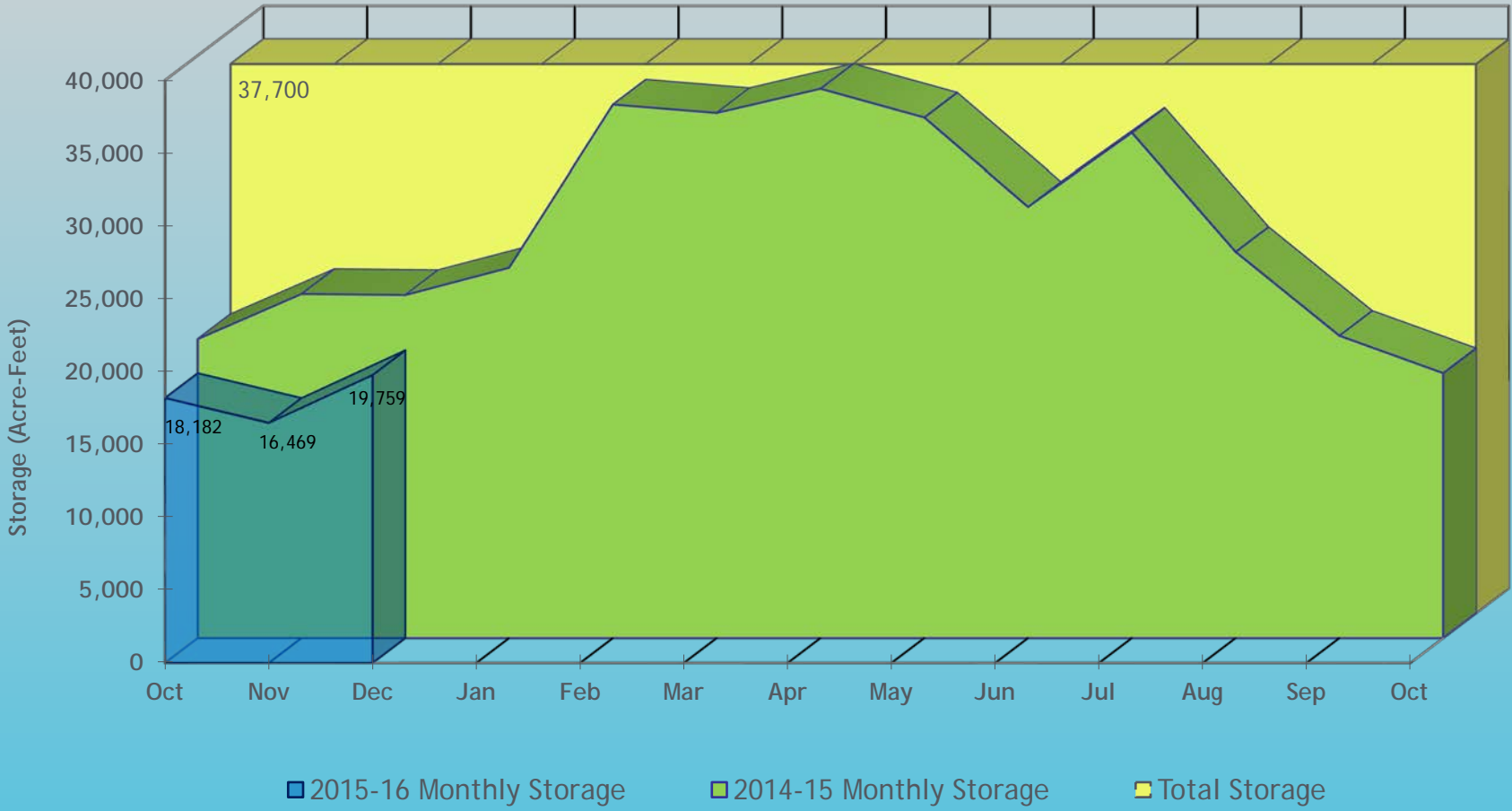
Julesburg Reservoir (District 64 - Agricultural)



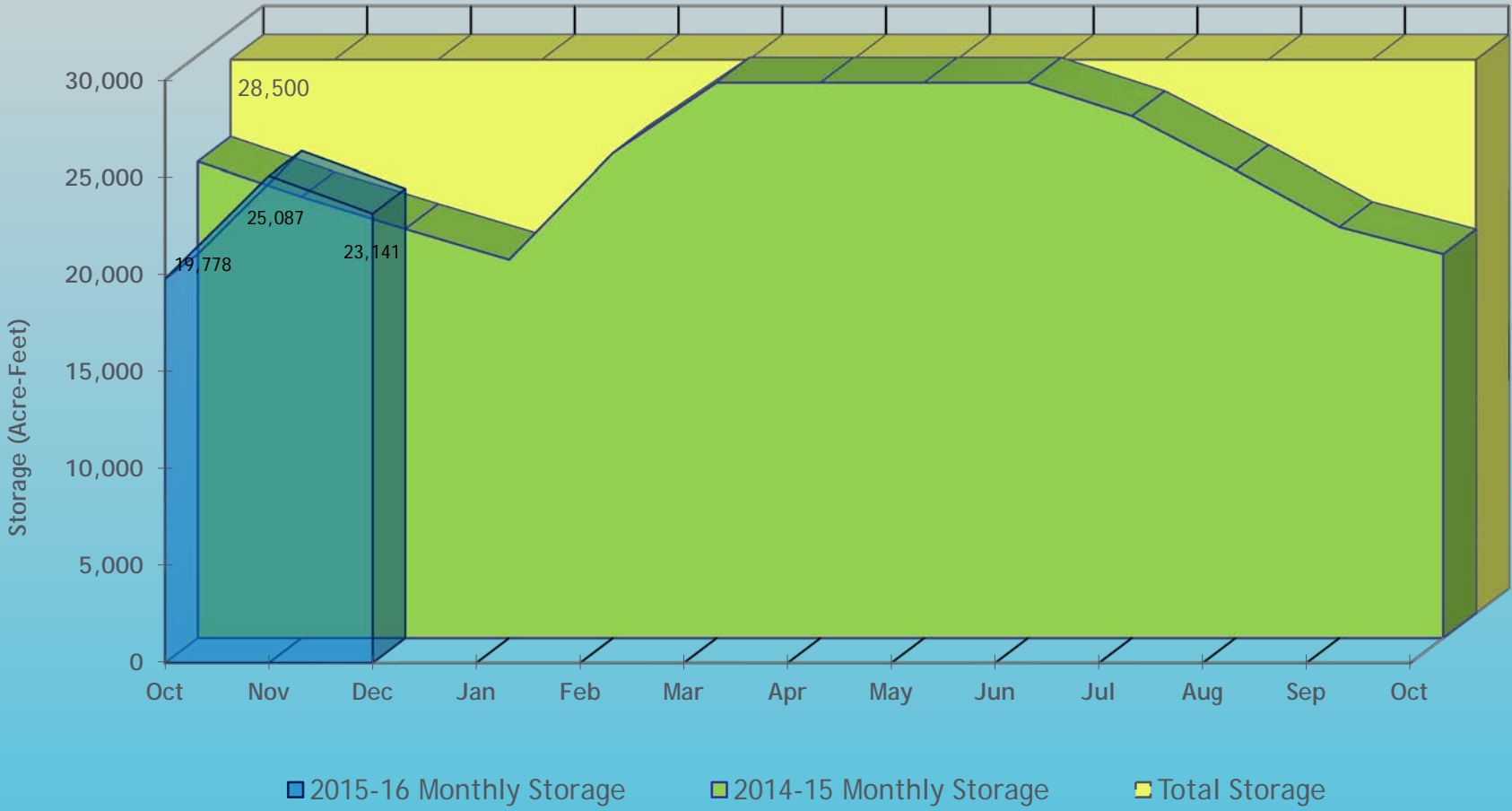
North Sterling Reservoir (District 64 - Agricultural)



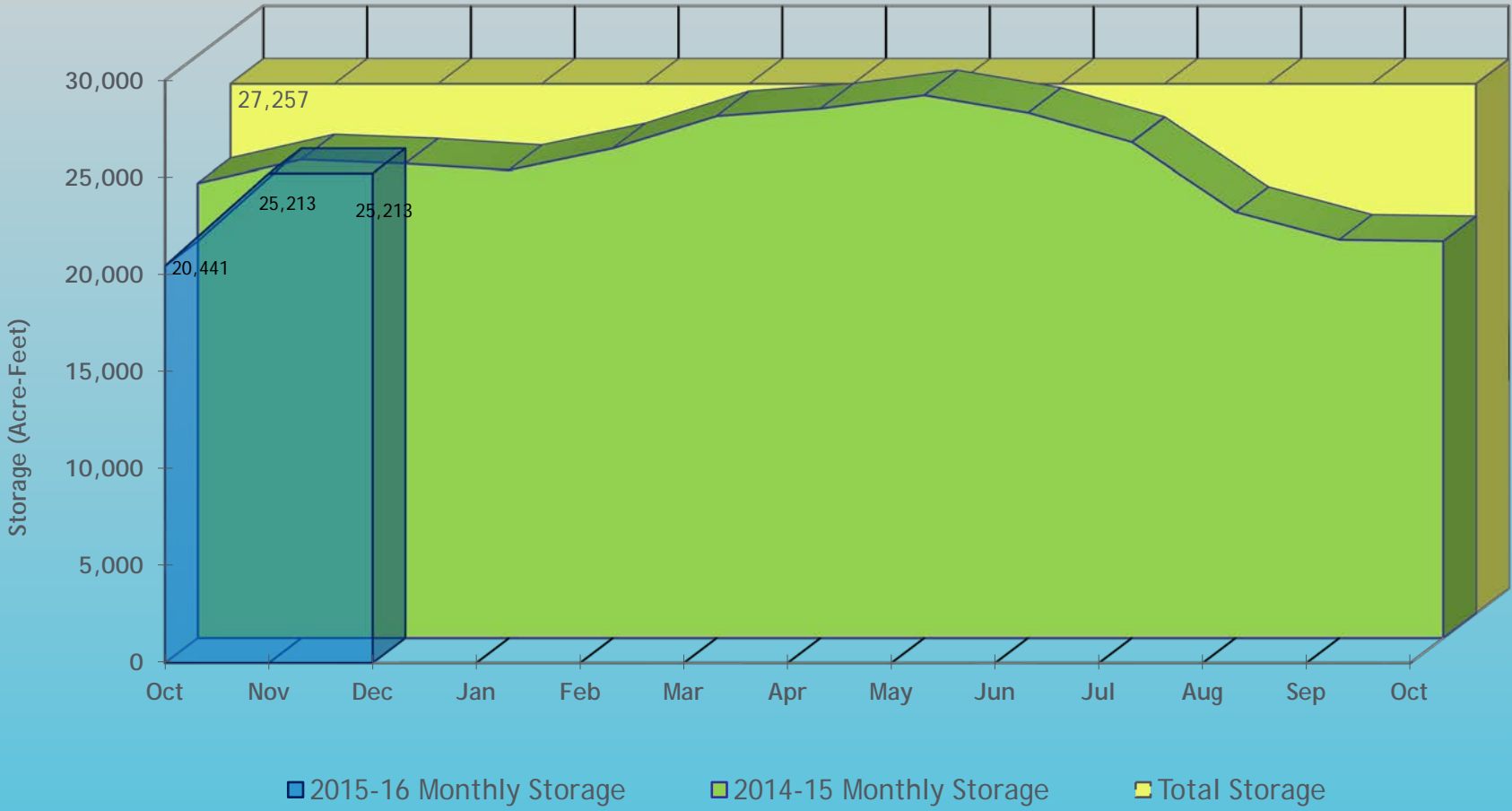
Empire Reservoir (District 1 - Agricultural)



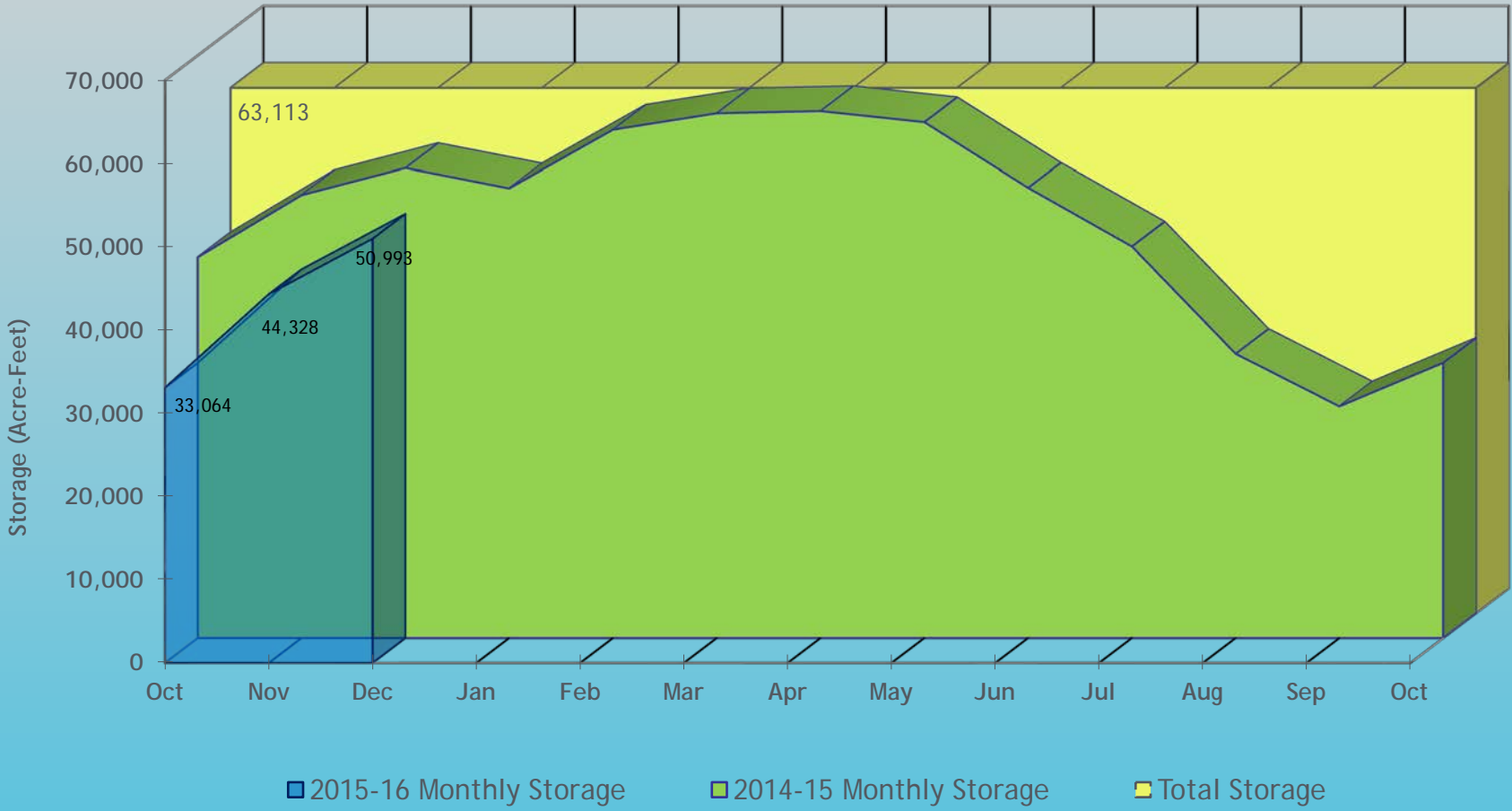
Prewitt Reservoir (District 64 - Agricultural)



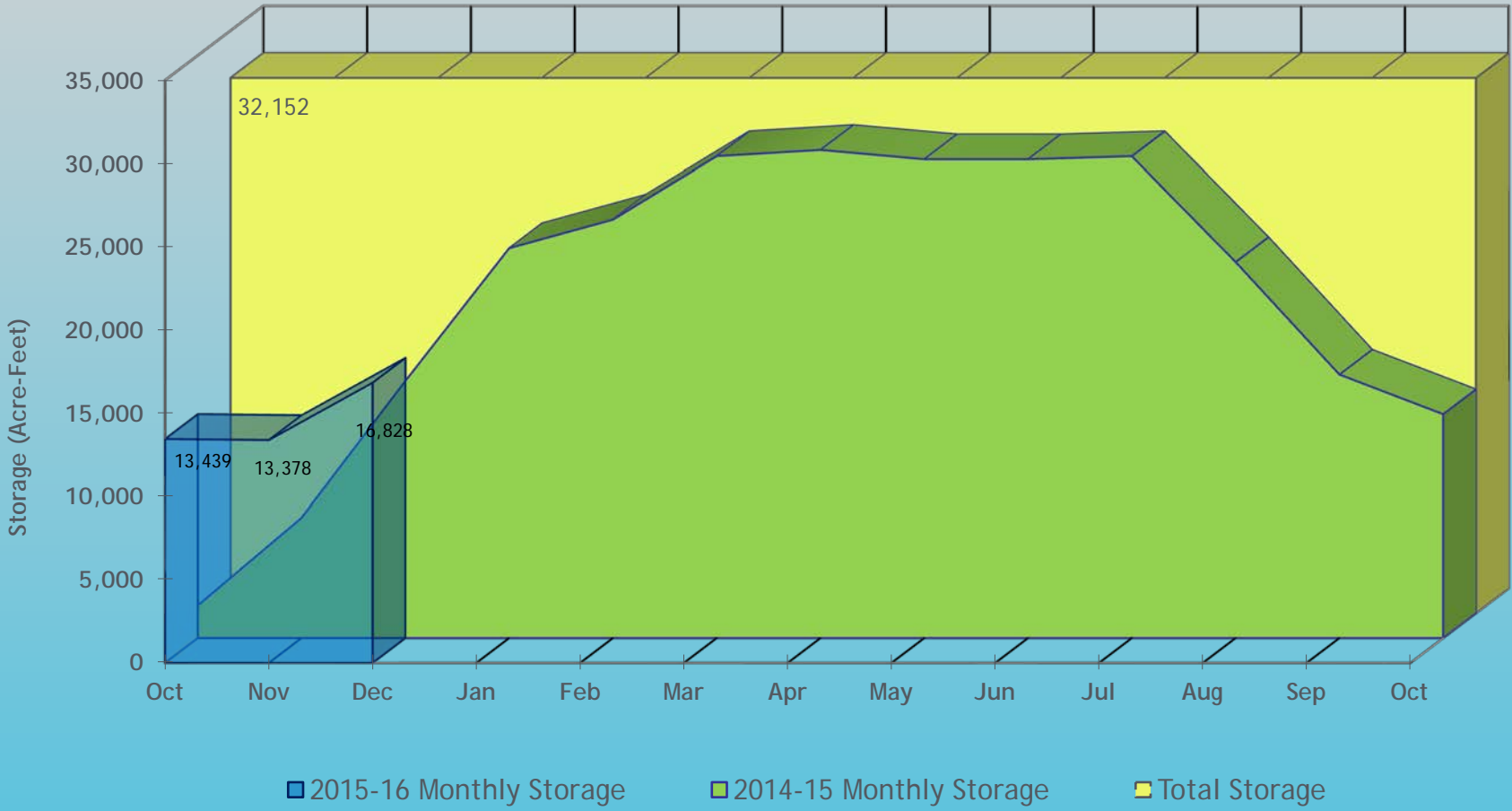
Jackson Reservoir (District 1 - Agricultural)



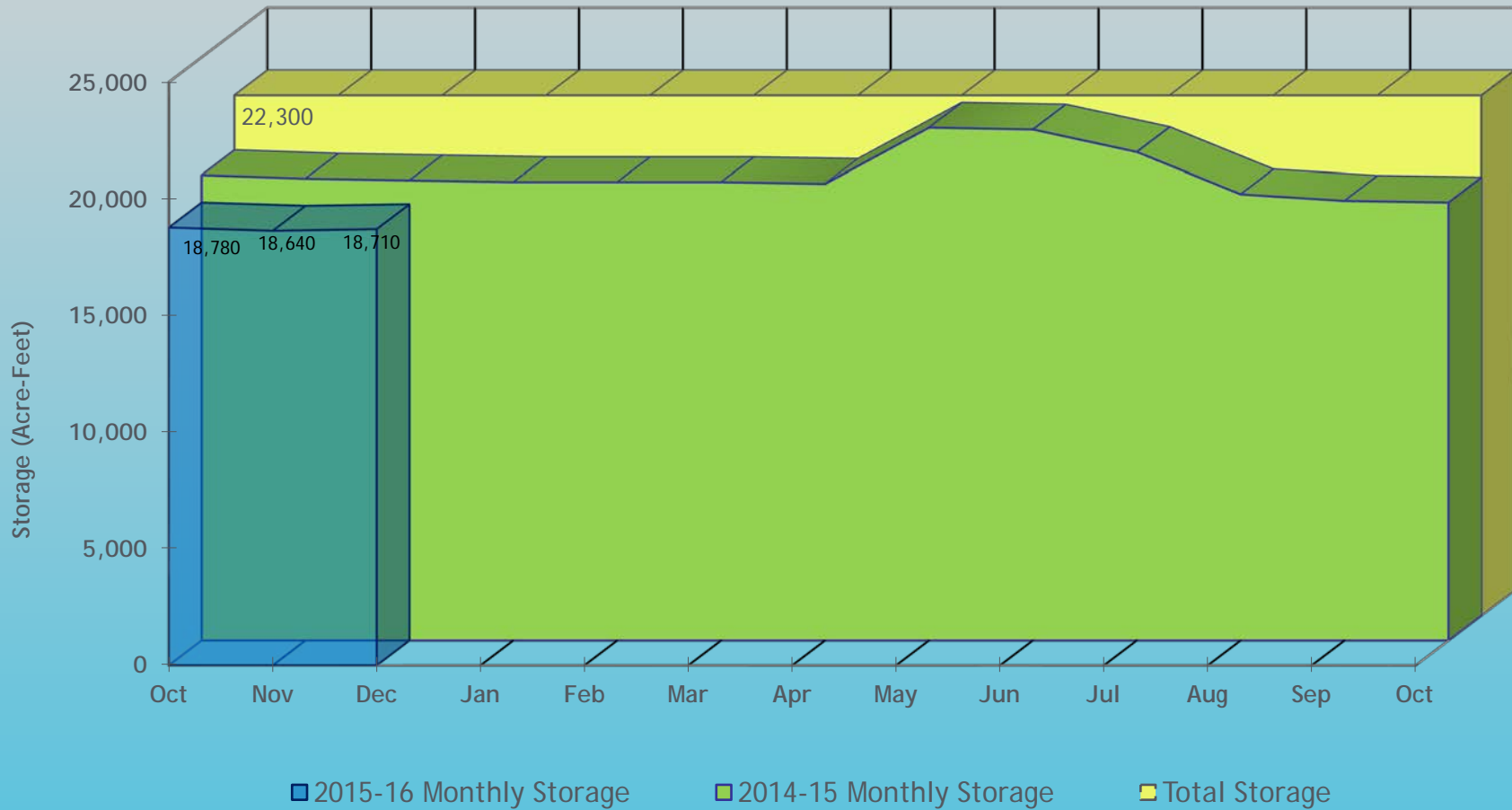
Riverside Reservoir (District 1 - Agricultural)



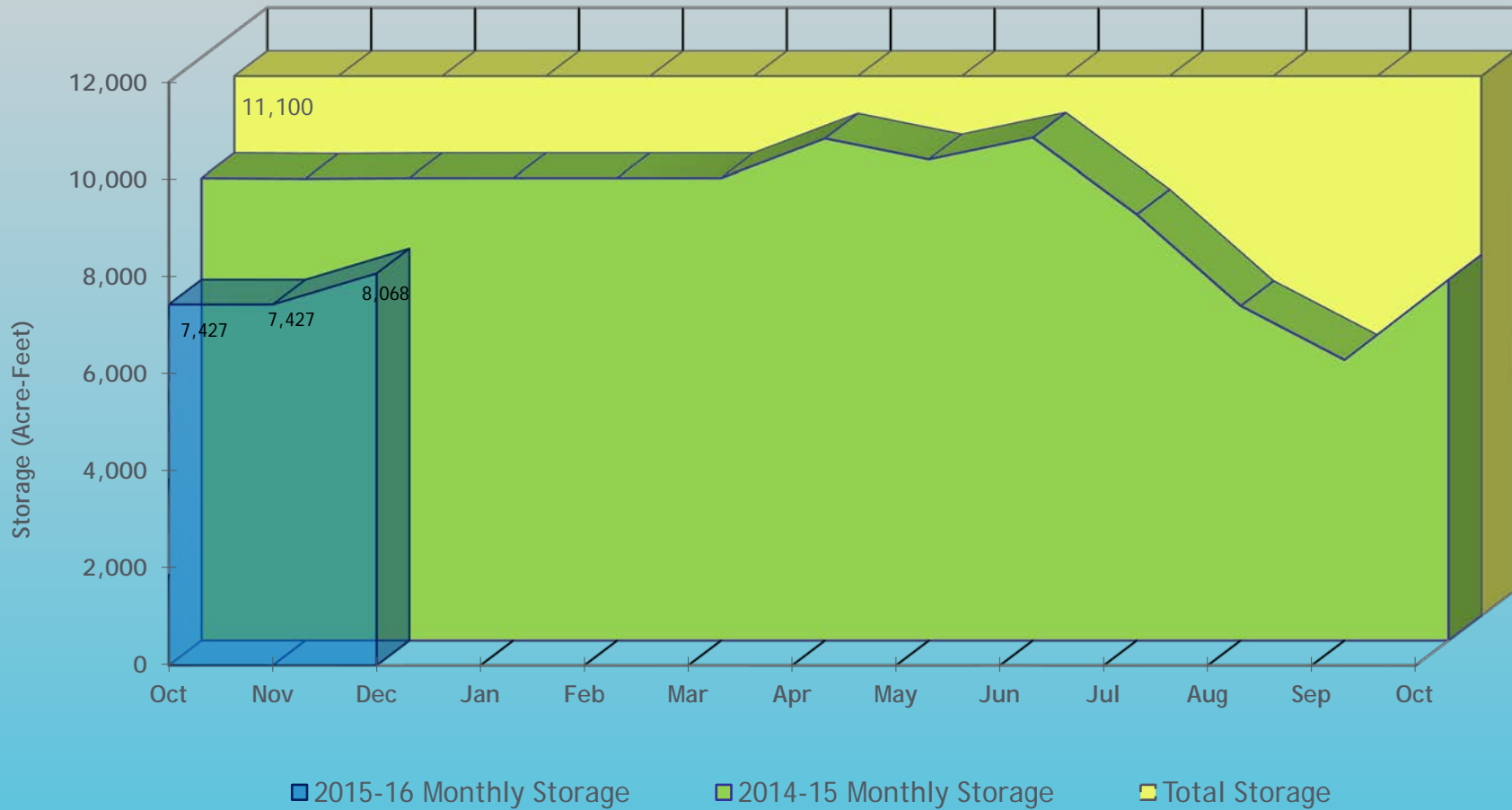
Barr Reservoir (District 2 - Agricultural)



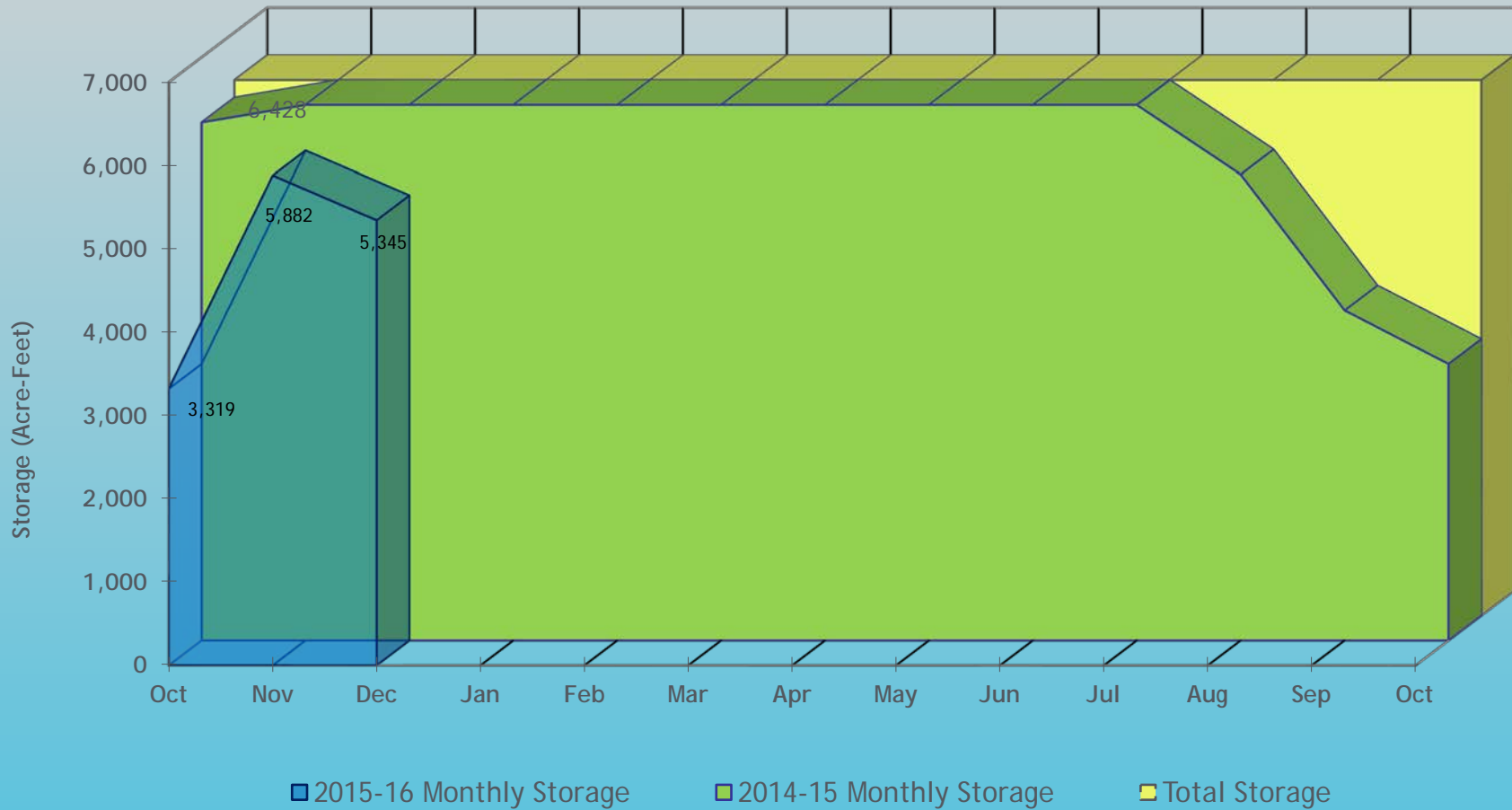
Cobb Reservoir (District 3, Poudre River - Agricultural)



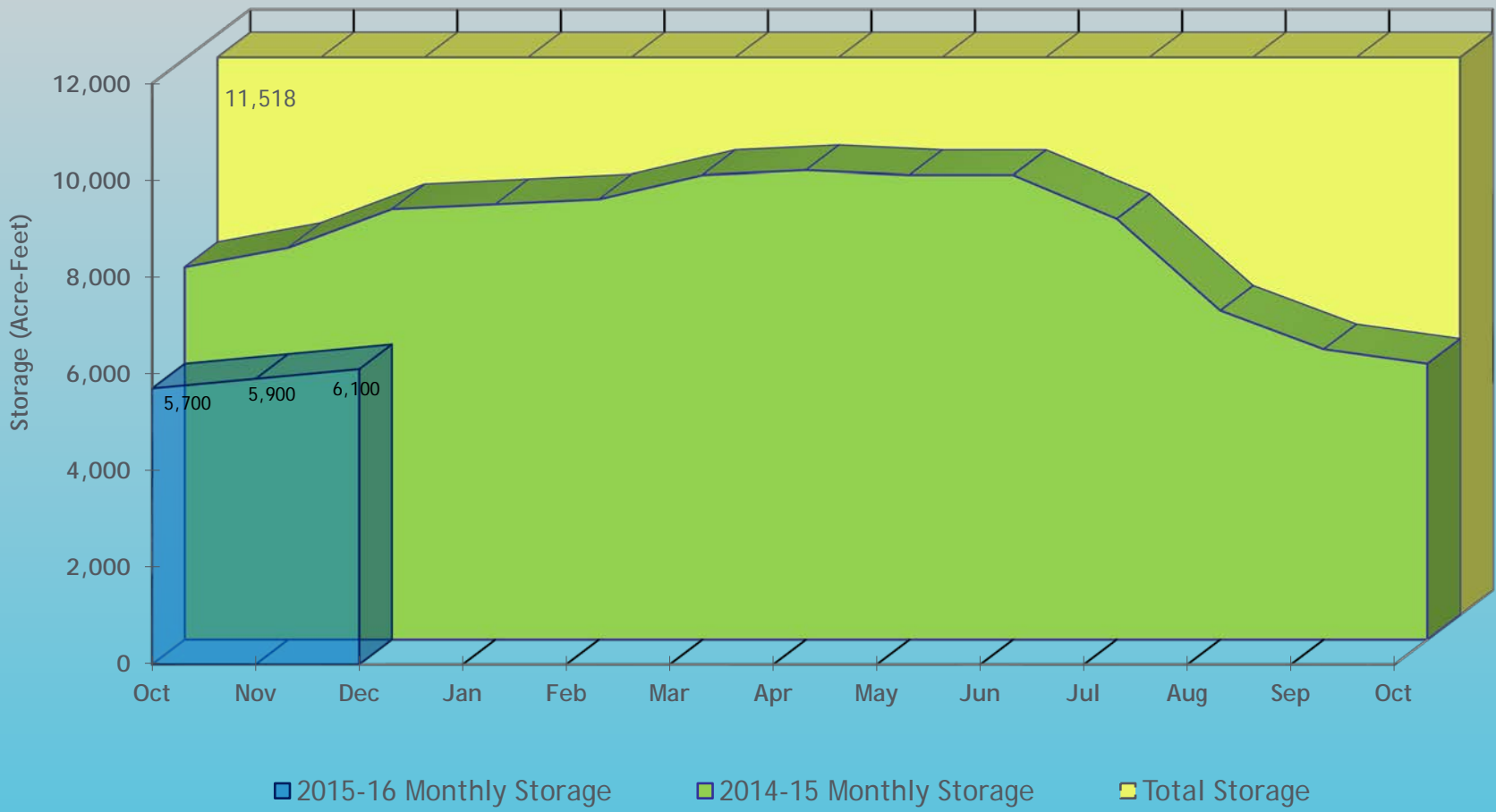
Fossil Creek Reservoir (District 3, Poudre River - Agricultural)



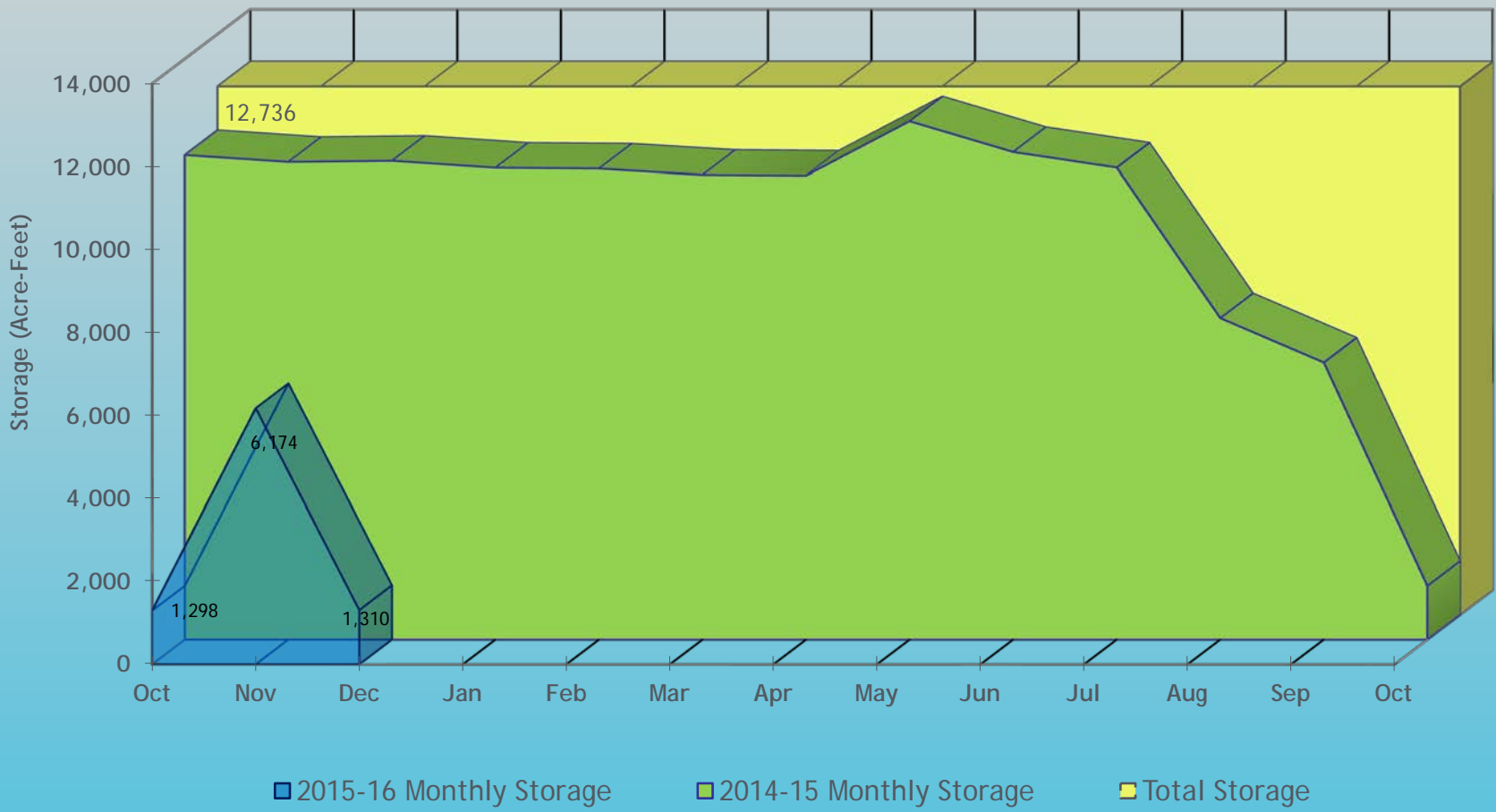
Halligan Reservoir (District 3, Poudre River - Agricultural)



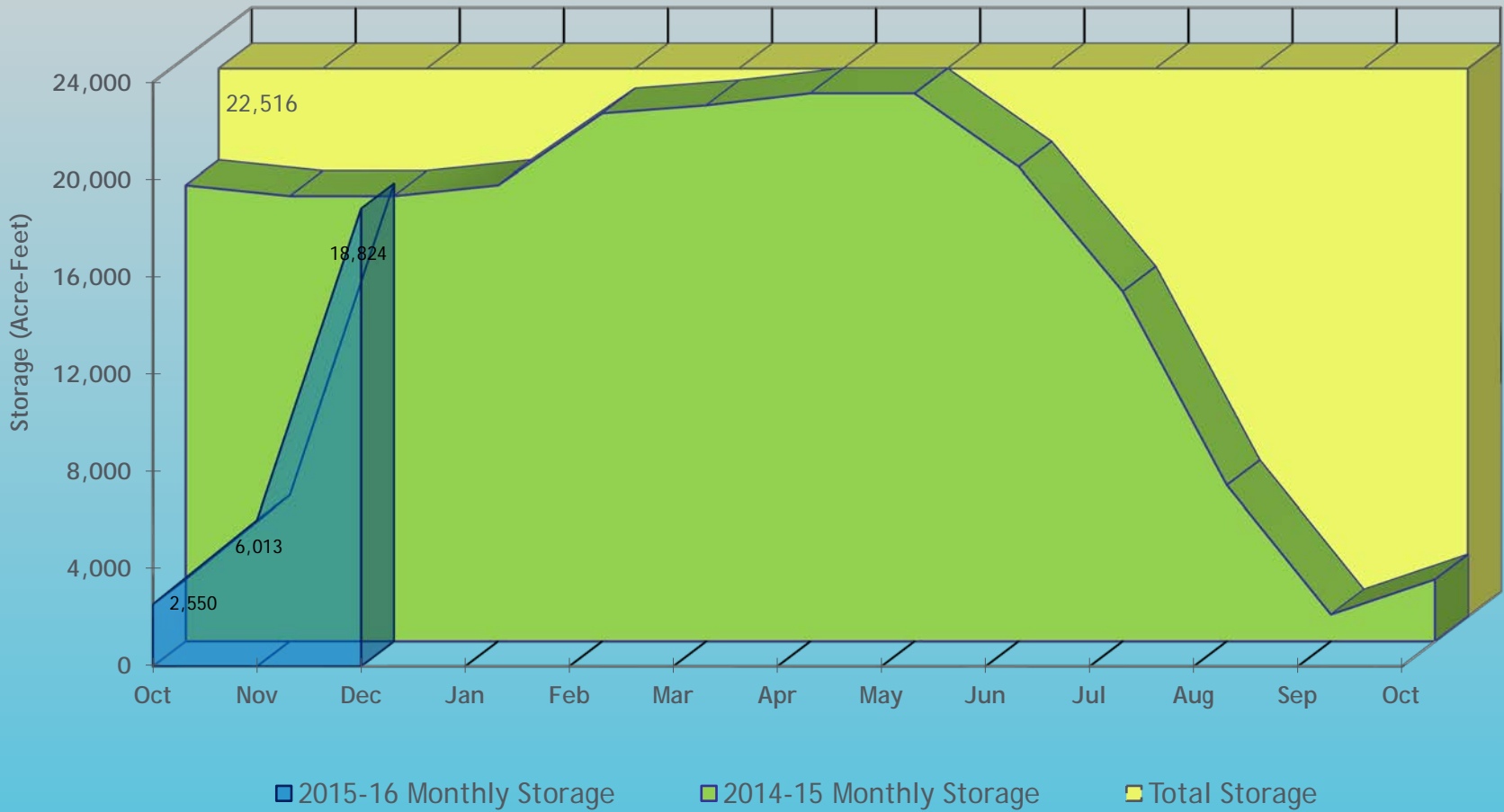
Marshall Lake (District 6, Boulder Creek - Agricultural)



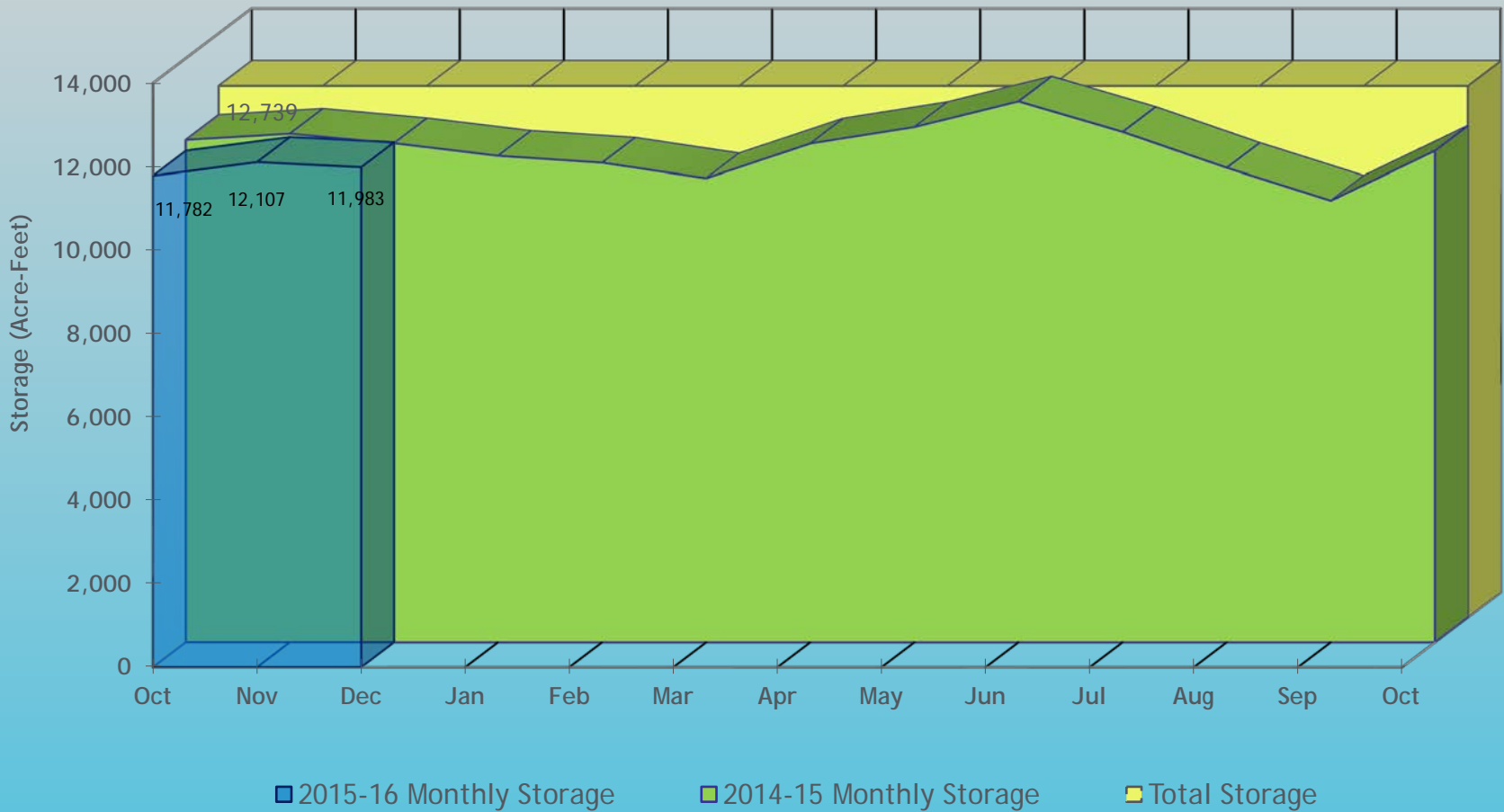
Loveland Greeley Reservoir (District 4, Big Thompson River - Agricultural)



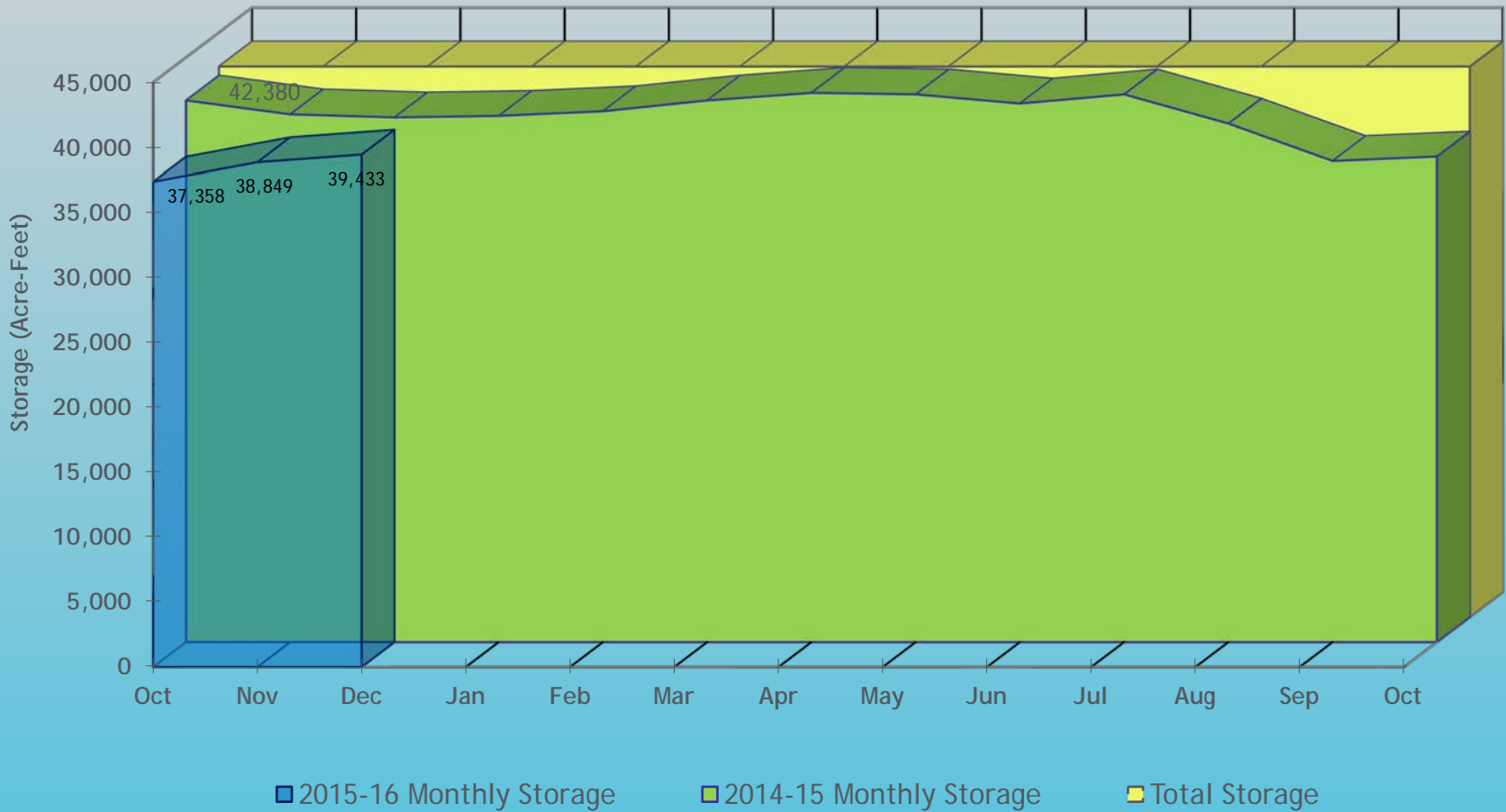
Milton Reservoir (District 2 - Agricultural)



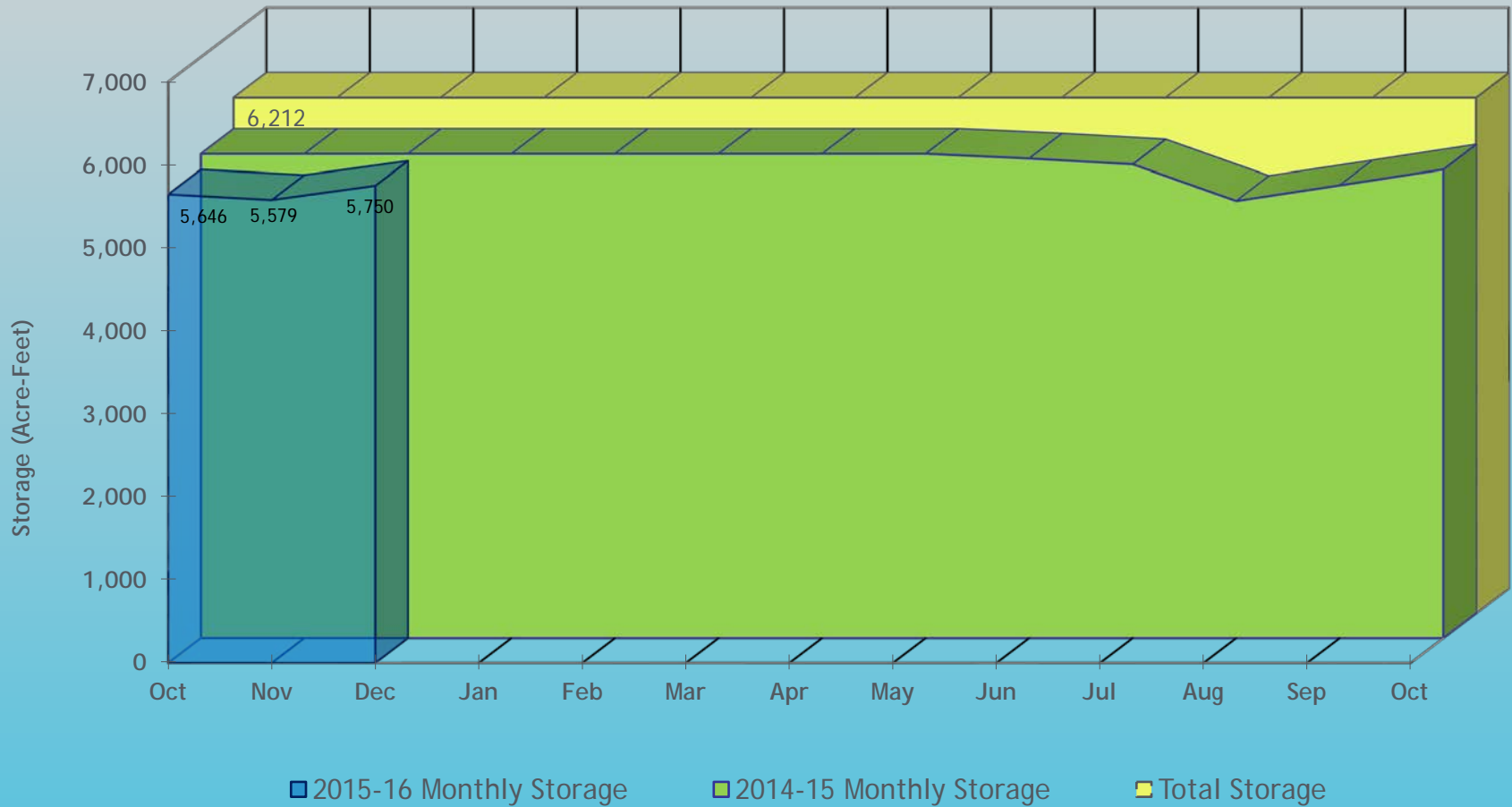
Union Reservoir (District 5, St. Vrain Creek - Agricultural)



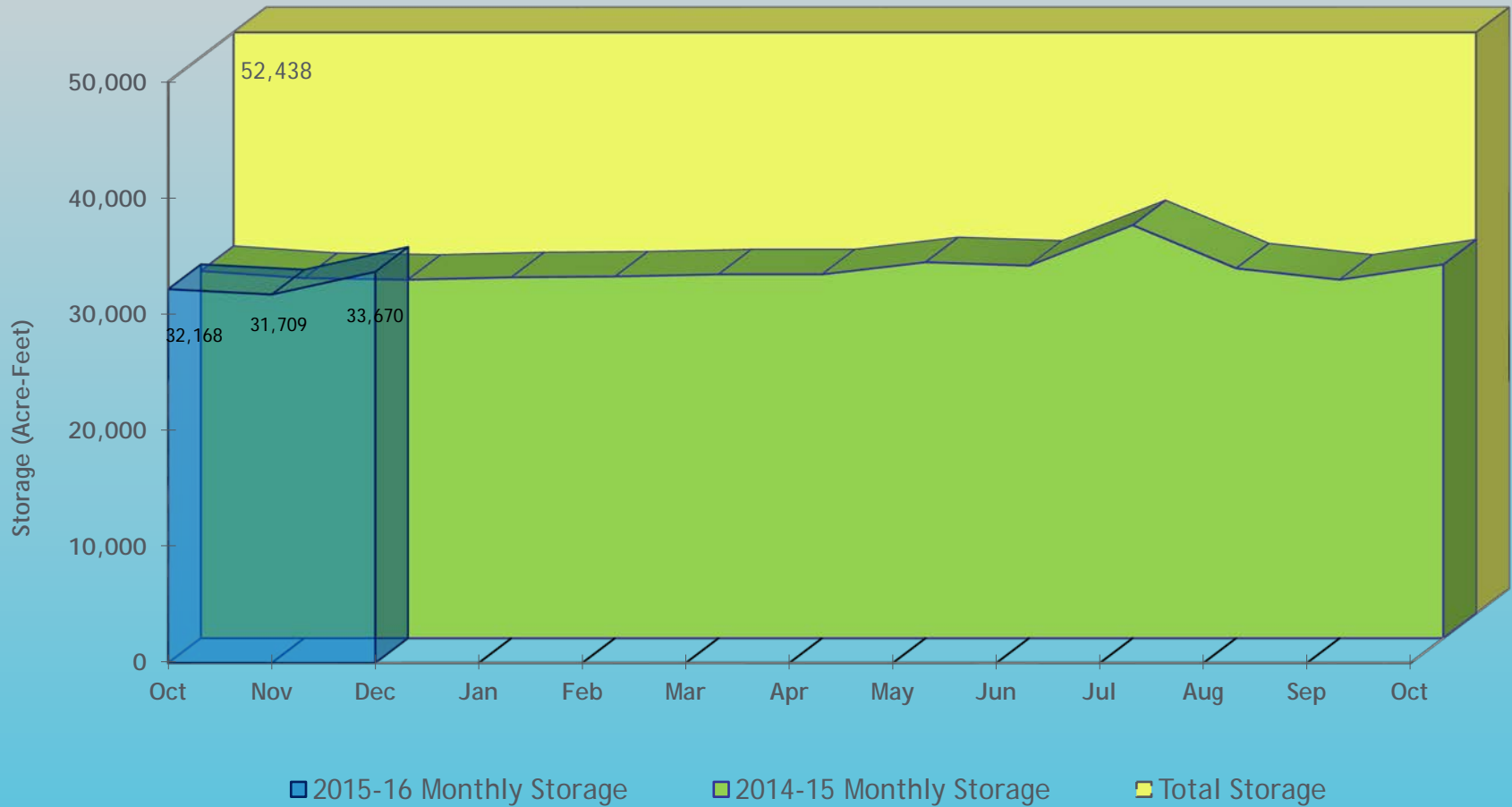
Standley Lake (Agricultural)



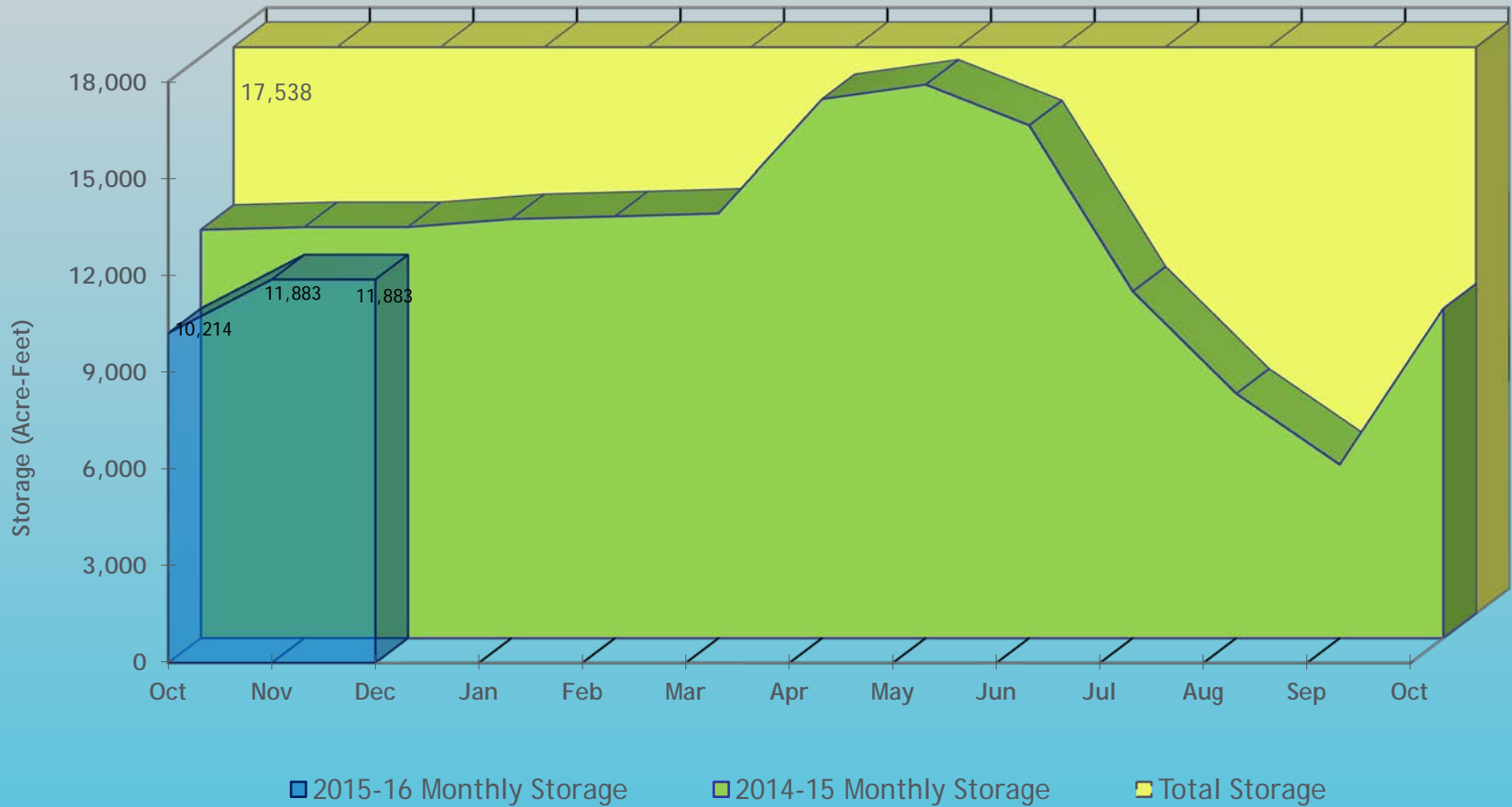
Lower Latham Reservoir (District 2 - Agricultural)



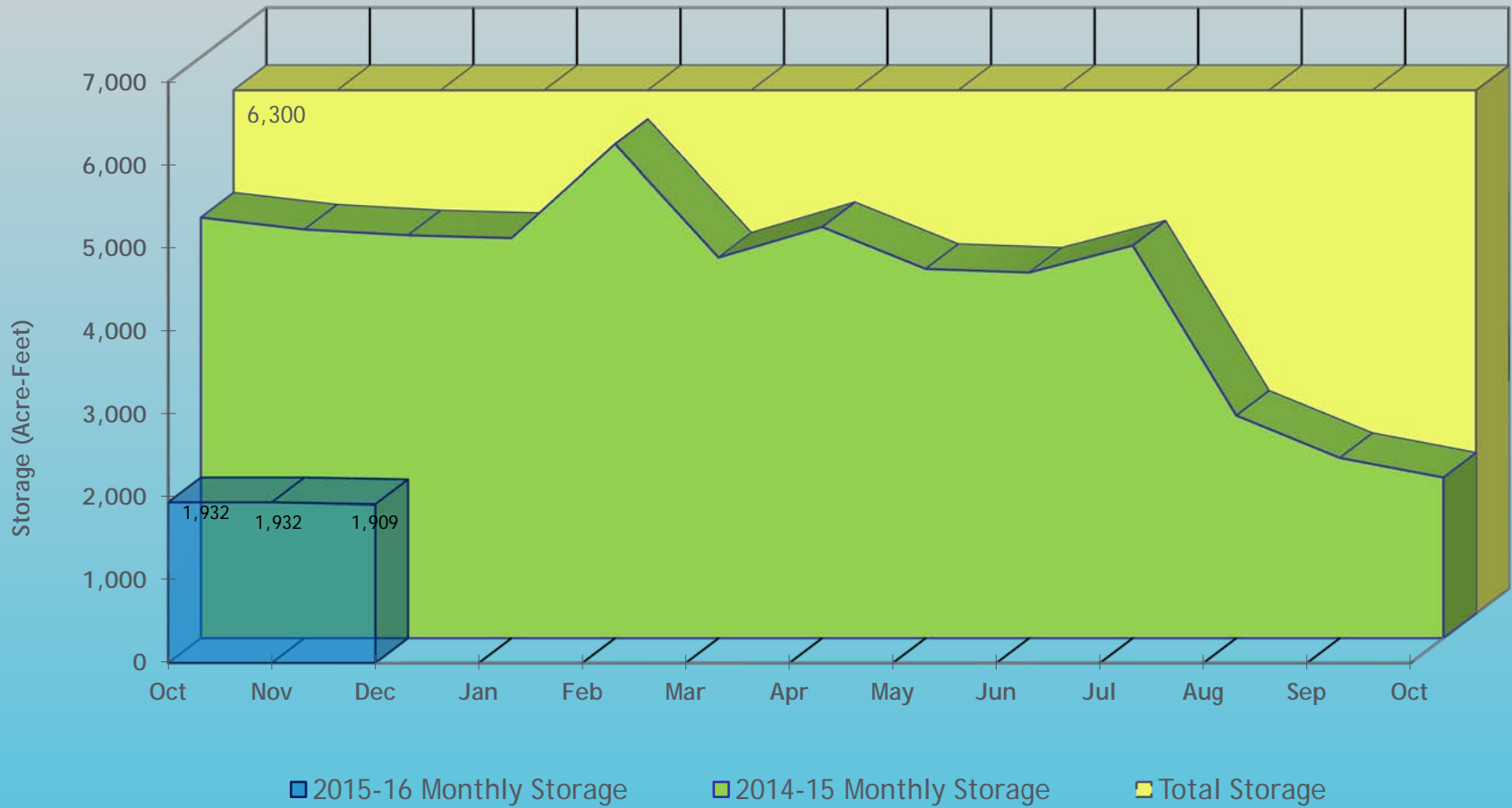
Boyd Lake (District 4, Big Thompson River - Agricultural)



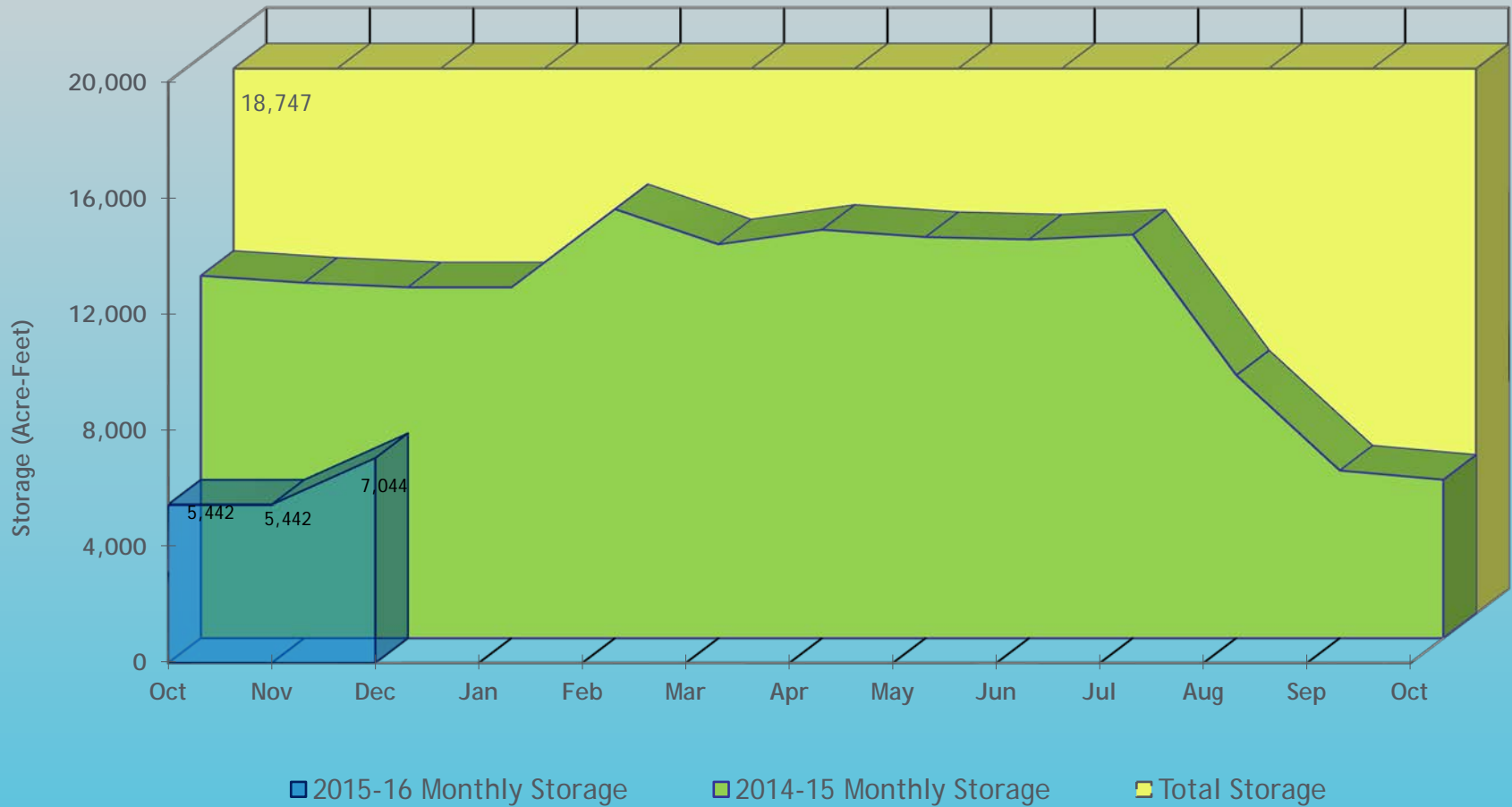
Windsor Reservoir (District 3, Poudre River - Agricultural)



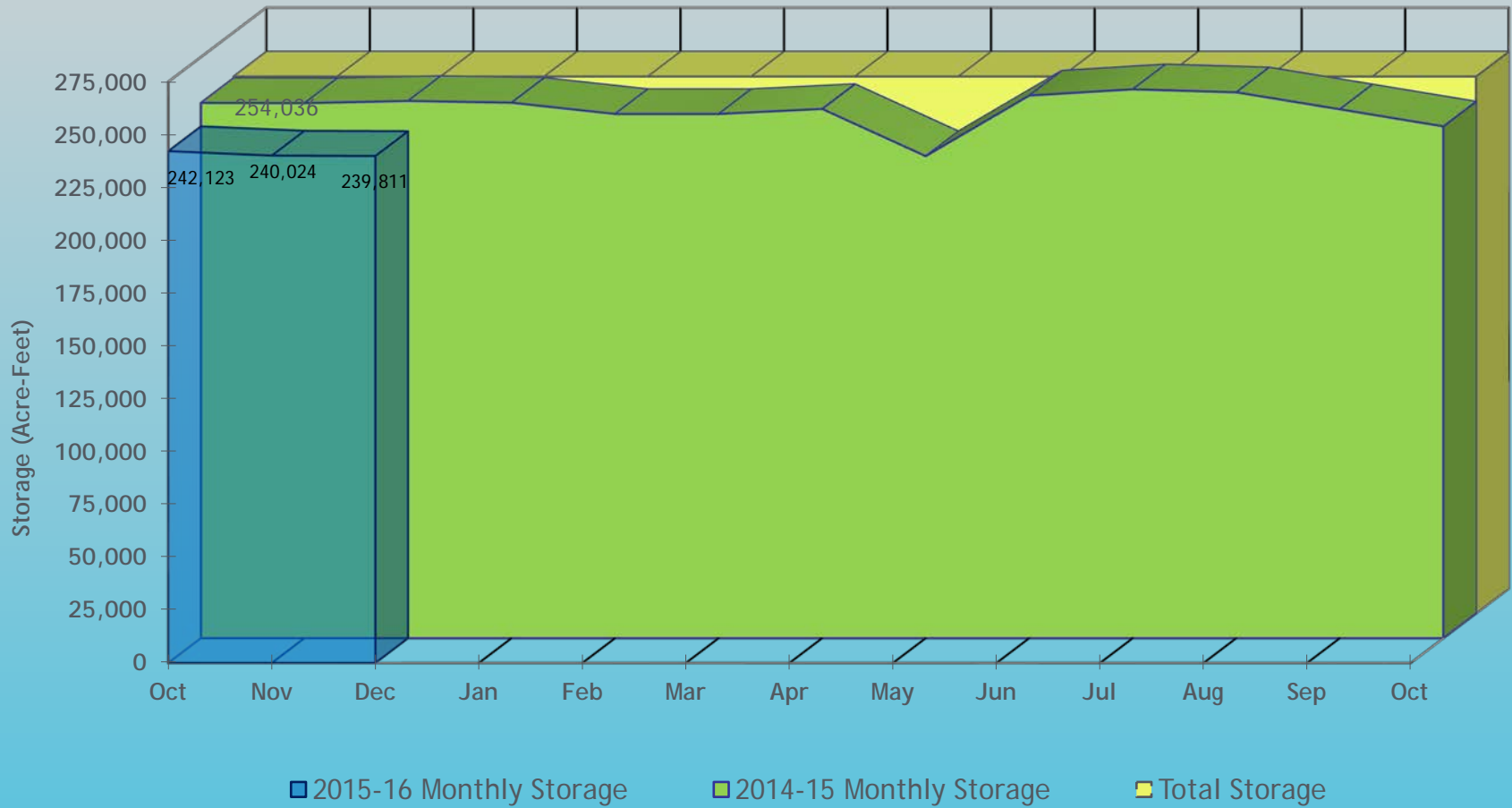
Prospect Reservoir (District 1 - Agricultural)



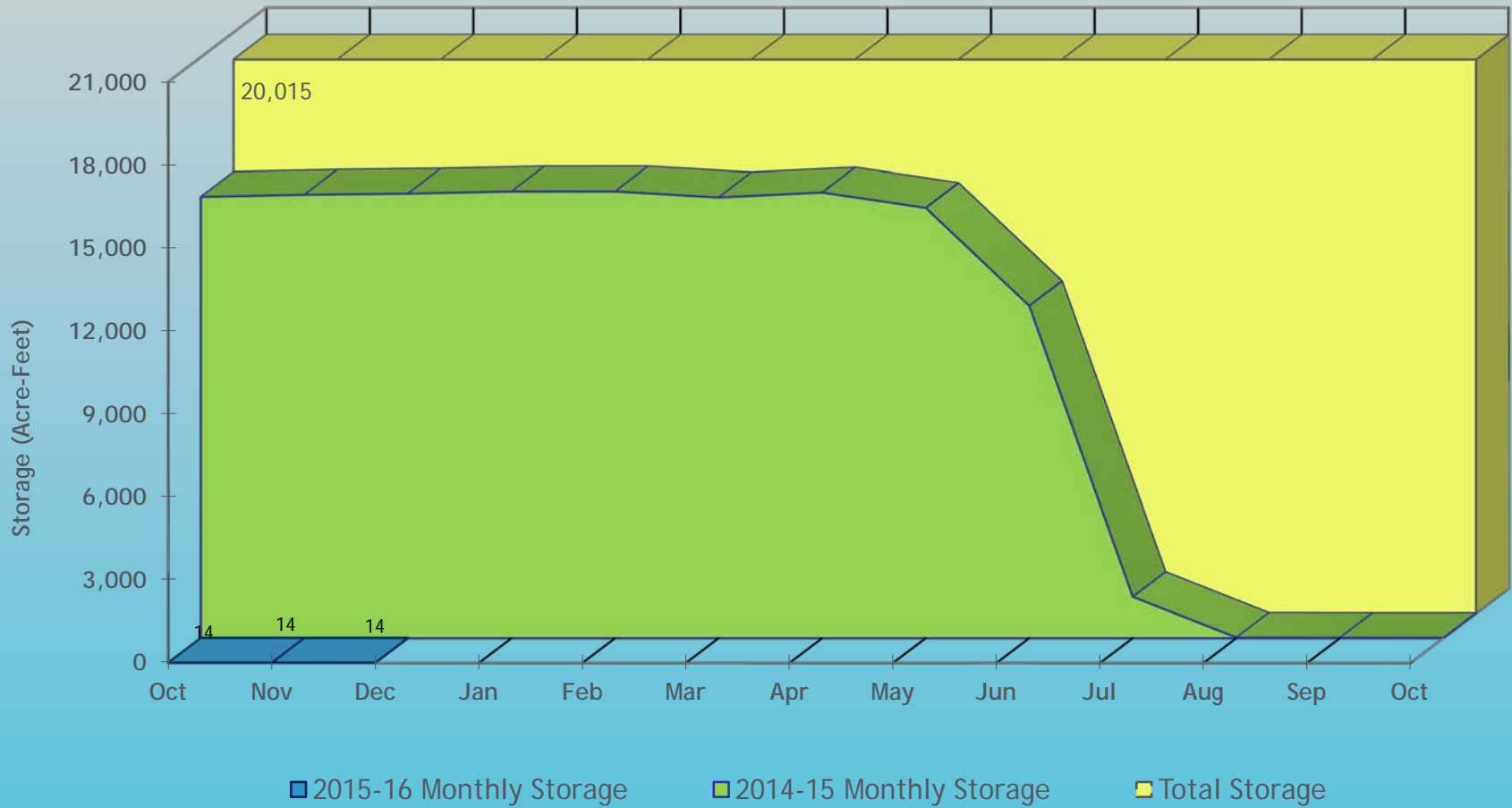
Horse Creek Reservoir (District 1 - Agricultural)



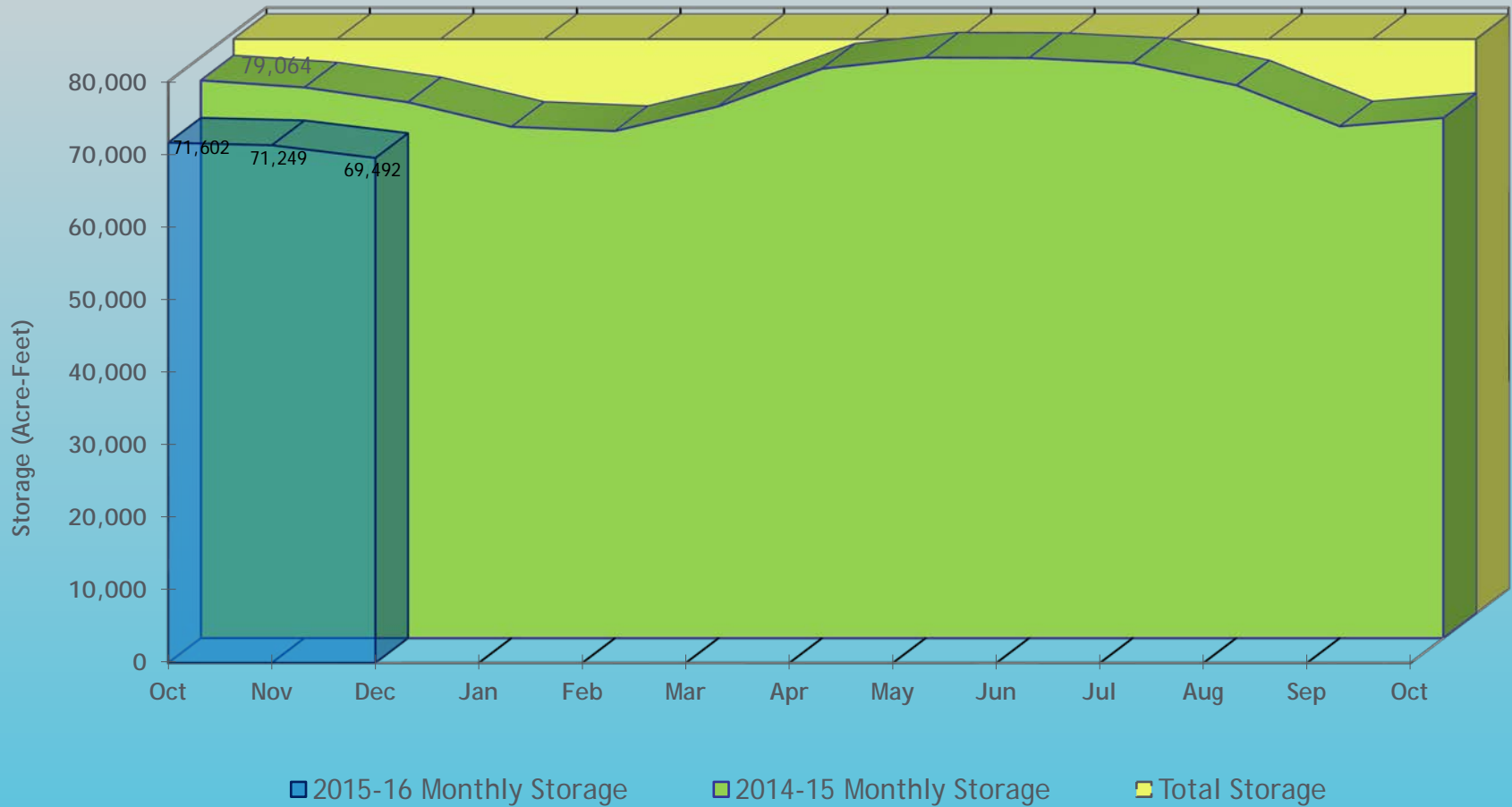
Dillon Reservoir (District 1 - Municipal)



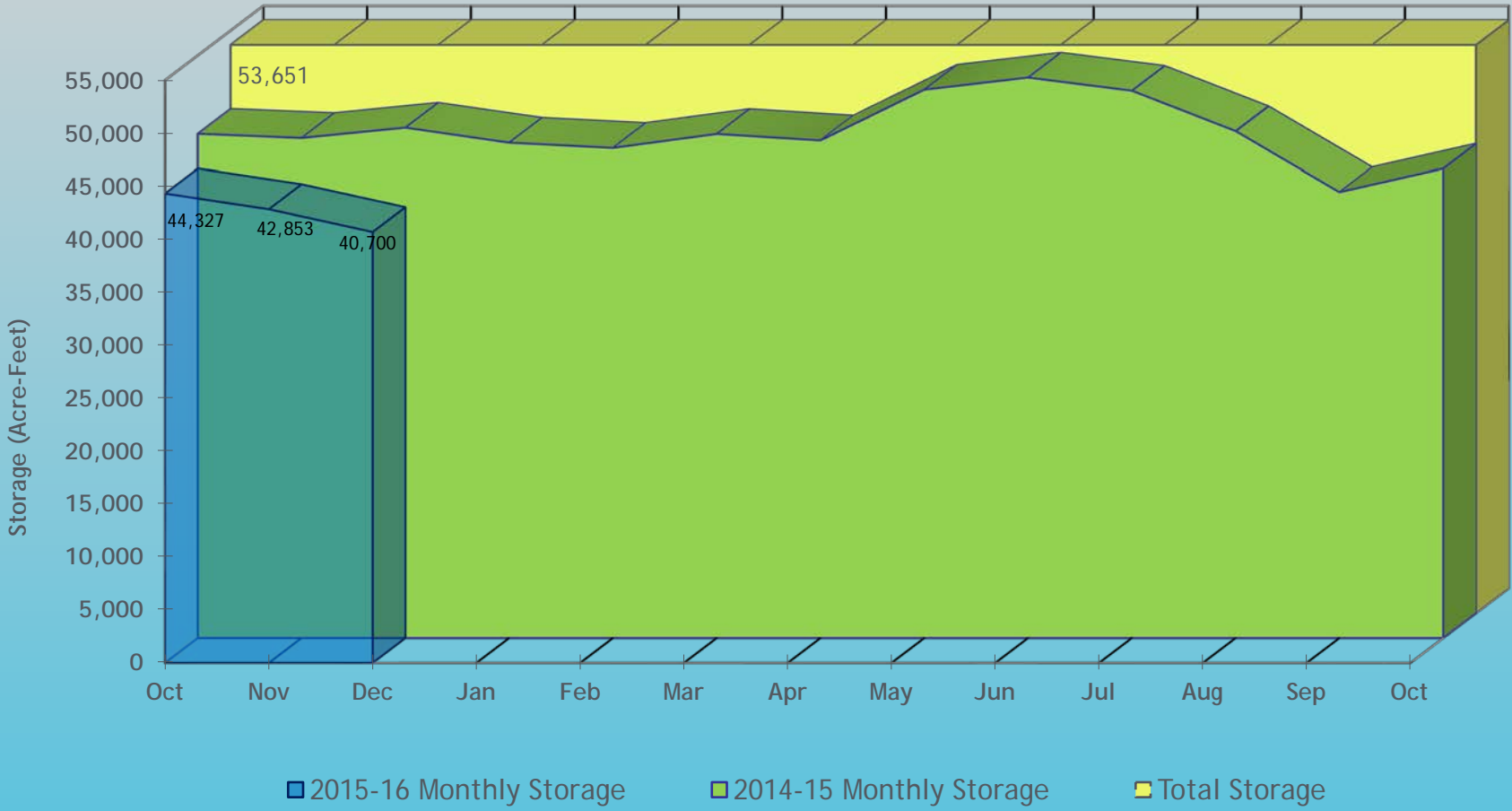
Antero Reservoir (District 23 - Municipal)



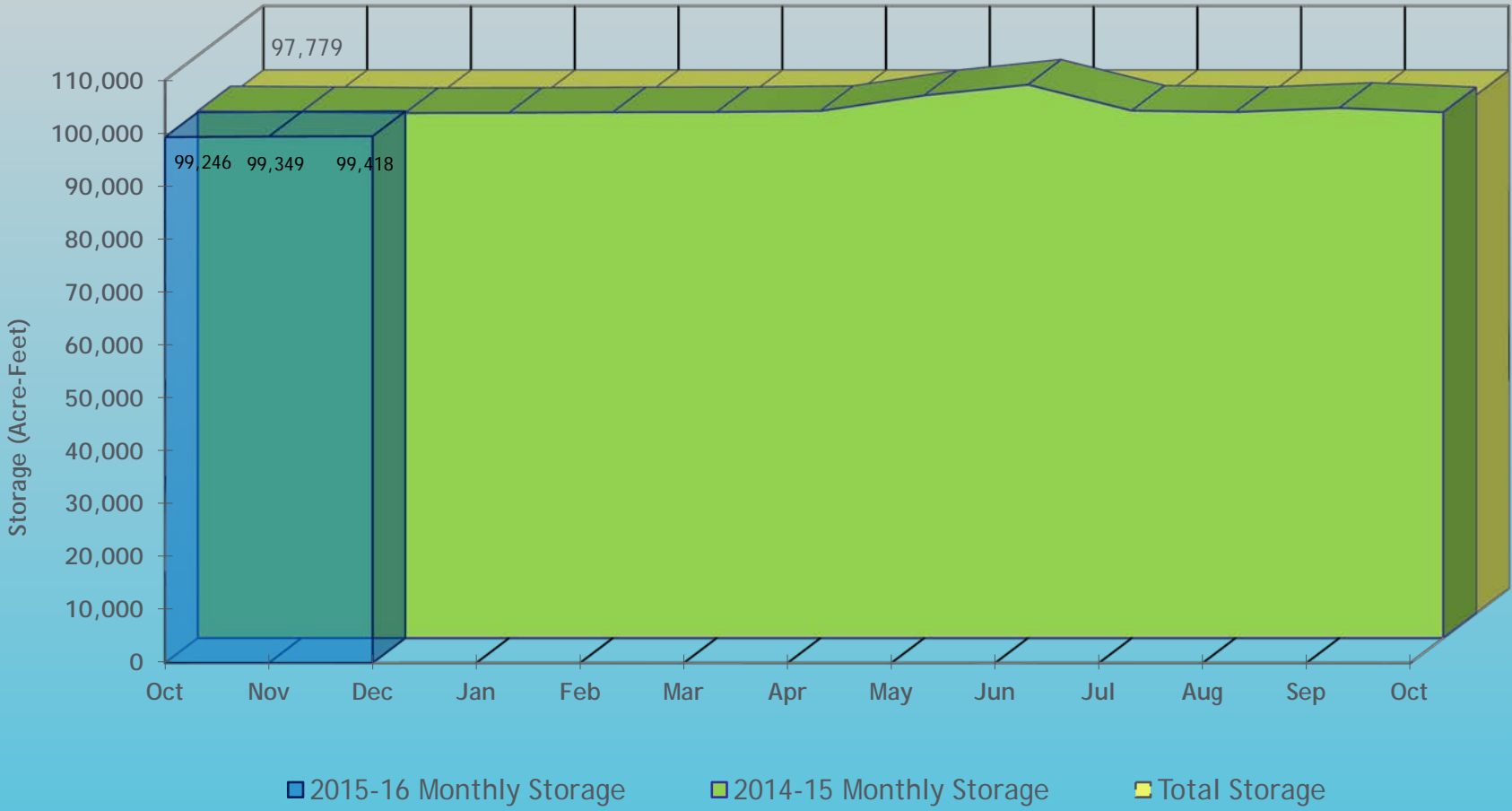
Cheesman Reservoir (District 80 - Municipal)



Spinney Mountain Reservoir (District 23 - Municipal)



Eleven Mile Reservoir (District 23 - Municipal)



Lake Granby

