COLORADO Department of Natural Resources

South Platte Summary
February 2016

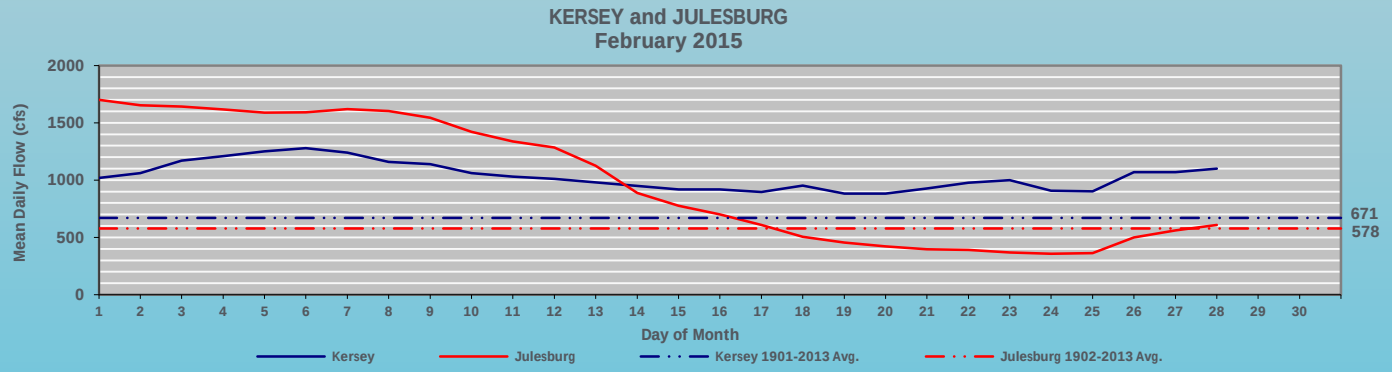
Compiled by Lee Cunning, P.E.

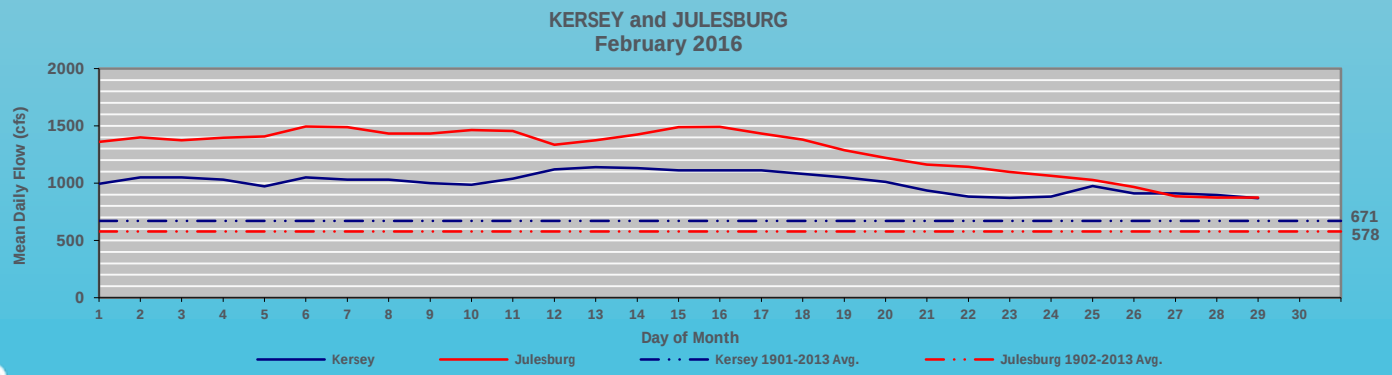
COLORADO DIVISION OF WATER RESOURCES, DIVISION 1

MONTH OF February 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	15,974	15,704	64	-270	-2%	69%	80%	0
N STERLING	73,730	61,488	65,337	64	3,849	6%	89%	100%	0
PREWITT	28,500	17,377	16,171	64	-1,206	-7%	57%	88%	0
JACKSON	27,257	27,256	24,013	1	-3,243	-12%	88%	93%	0
EMPIRE	37,700	23,566	30,581	1	7,015	30%	81%	97%	0
RIVERSIDE	63,113	40,351	51,687	1	11,336	28%	82%	97%	0
BARR LAKE	32,152	20,659	26,908	2	6,249	30%	84%	78%	0
CHEESMAN	79,064	68,287	69,912	80	1,625	2%	88%	88%	0
ELEVEN MILE	97,779	99,452	99,521	23	69	0%	100%	100%	1,742
SPINNEY	53,651	37,703	35,623	23	-2,080	-6%	66%	86%	0
ANTERO	20,015	14	14	23	0	3%	0%	81%	0

RIVER GAGES	MEAN DAILY FLOW (CFS)
KERSEY	1008
JULESBURG	1283
THIS MONTH LAST YEAR	
KERSEY	1034
JULESBURG	987
MEAN FOR PERIOD OF RECORD*	
KERSEY	671
JULESBURG	578
*Kersey 1901 - 2013	
*Julesburg 1902 - 2013	





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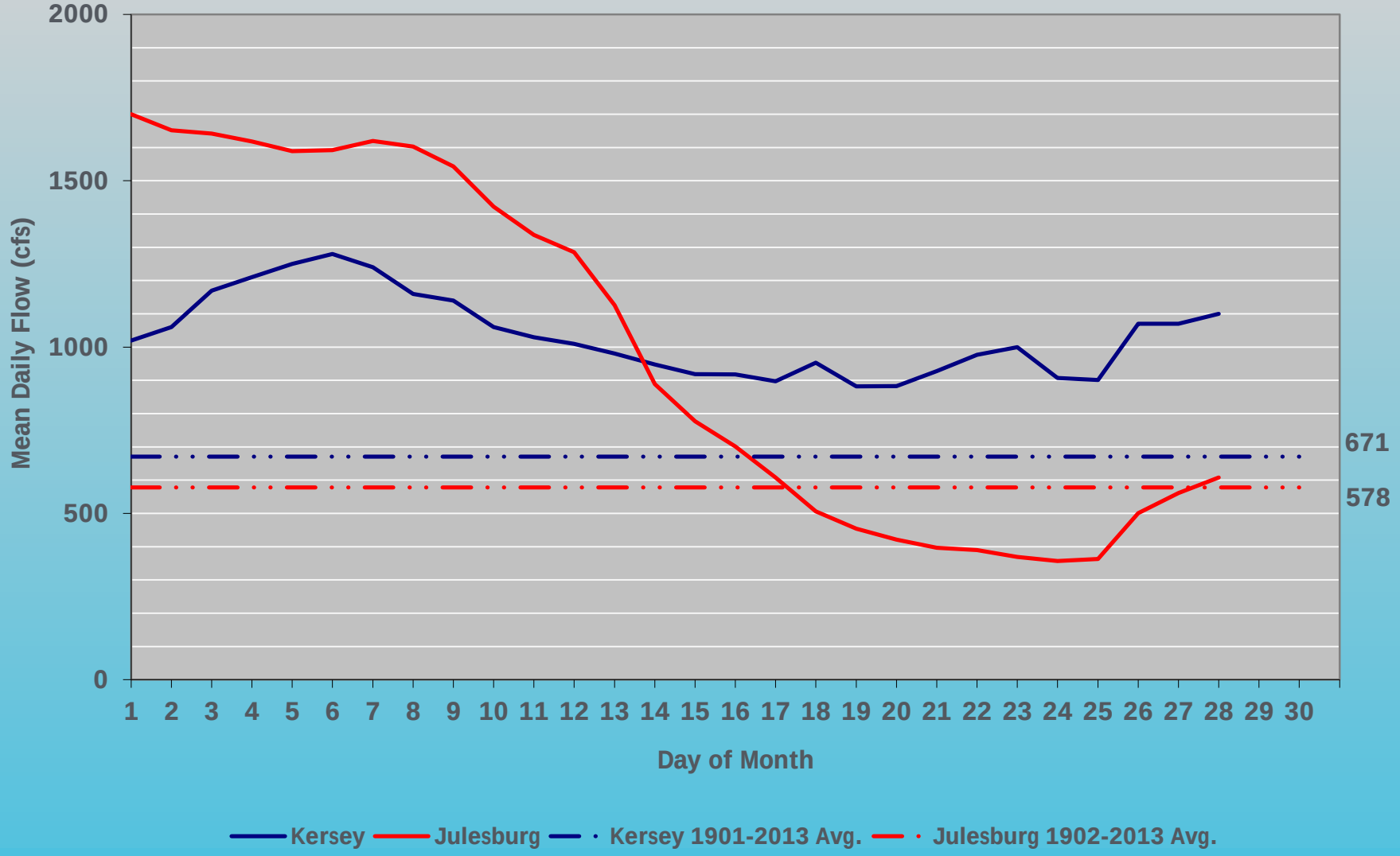
KERSEY and JULESBURG
February 2015



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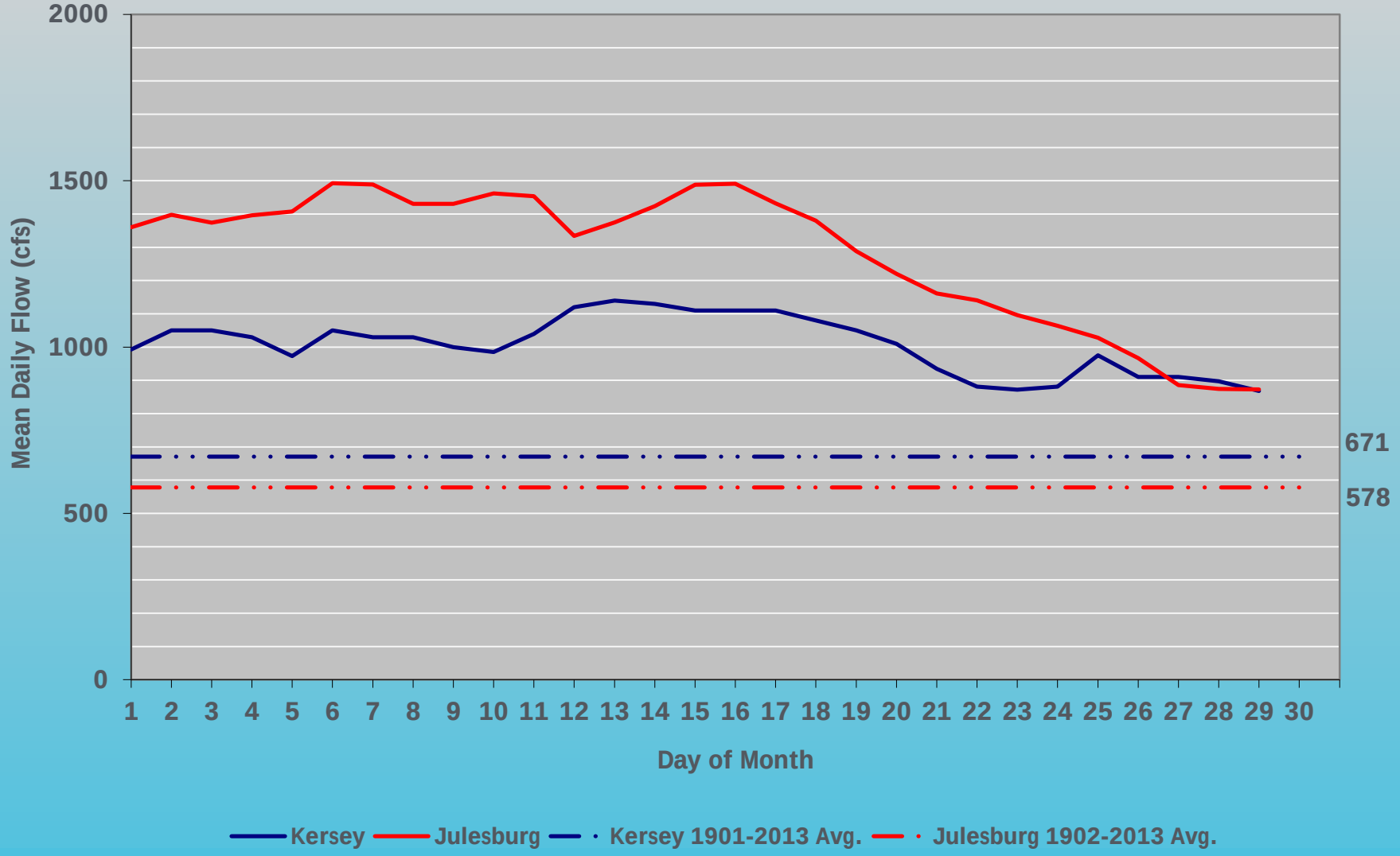
KERSEY and JULESBURG
February 2016



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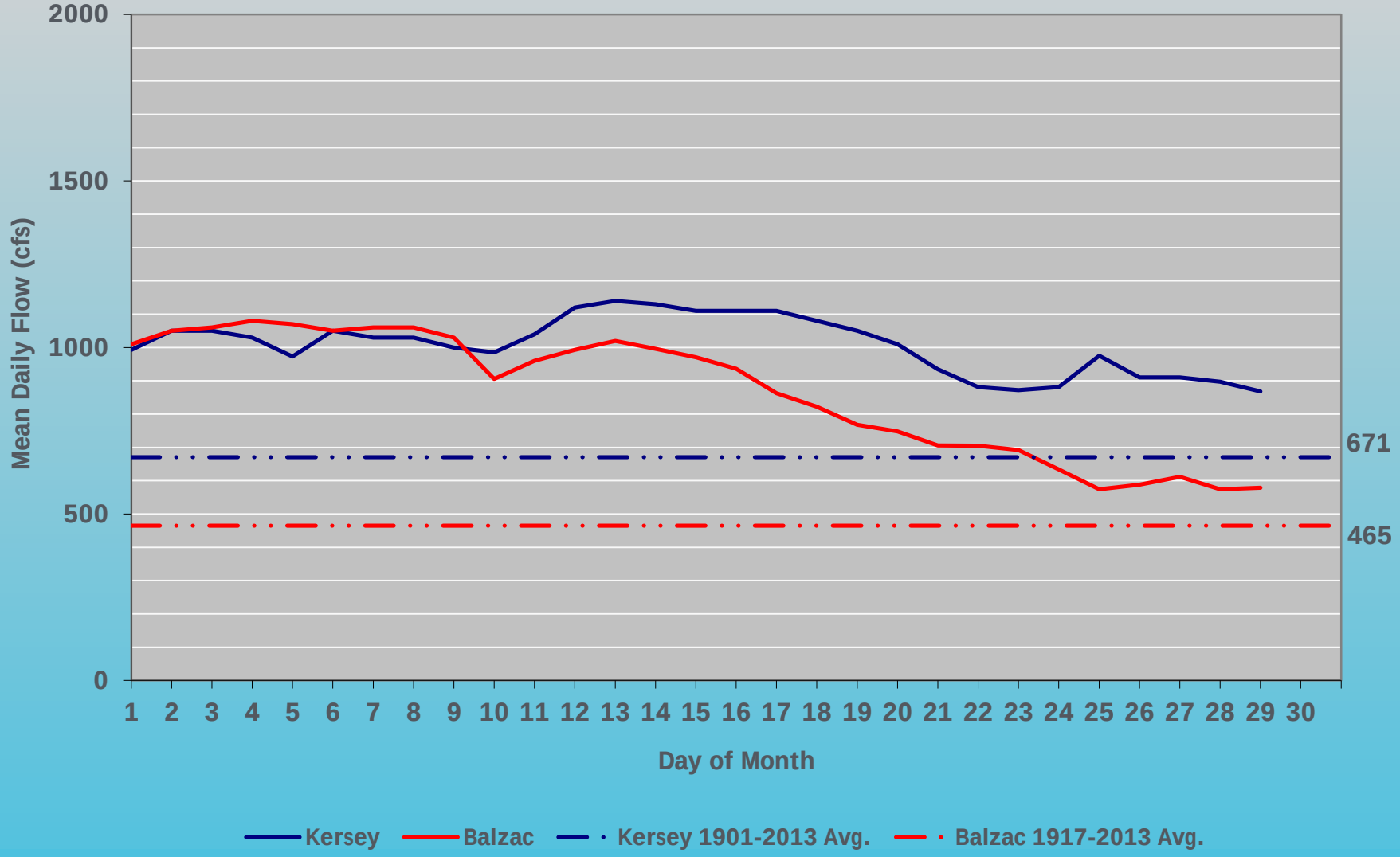
KERSEY and BALZAC
February 2016



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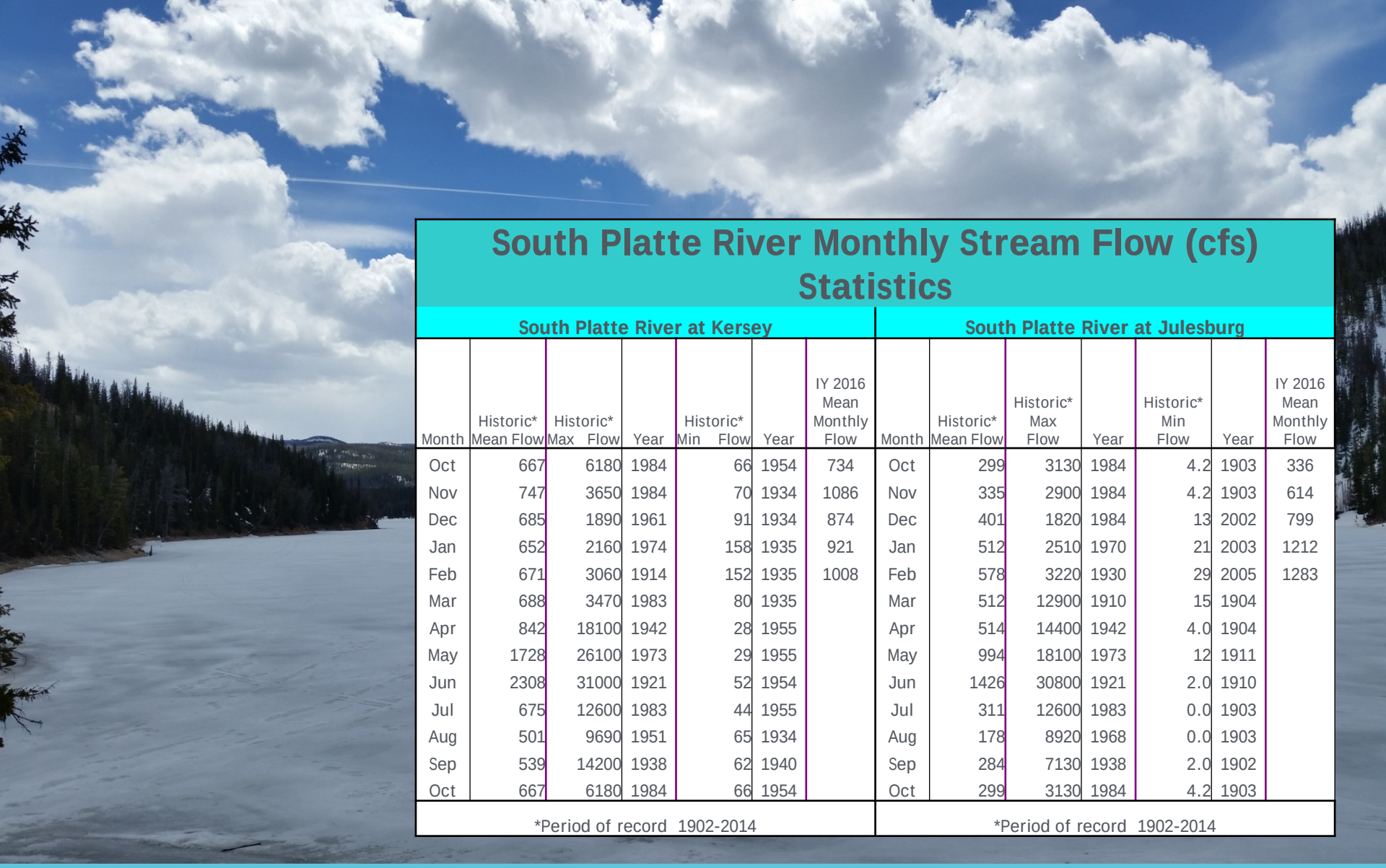


South Platte River Monthly Stream Flow (cfs) Statistics

South Platte River at Kersey

Month	Historic* Mean Flow	Historic* Max Flow	Year	Historic* Min Flow	Year	IY 2016 Mean Monthly Flow
Oct	667	6180	1984	66	1954	734
Nov	747	3650	1984	70	1934	1086
Dec	685	1890	1961	91	1934	874
Jan	652	2160	1974	158	1935	921
Feb	671	3060	1914	152	1935	1008
Mar	688	3470	1983	80	1935	
Apr	842	18100	1942	28	1955	
May	1728	26100	1973	29	1955	
Jun	2308	31000	1921	52	1954	
Jul	675	12600	1983	44	1955	
Aug	501	9690	1951	65	1934	
Sep	539	14200	1938	62	1940	
Oct	667	6180	1984	66	1954	

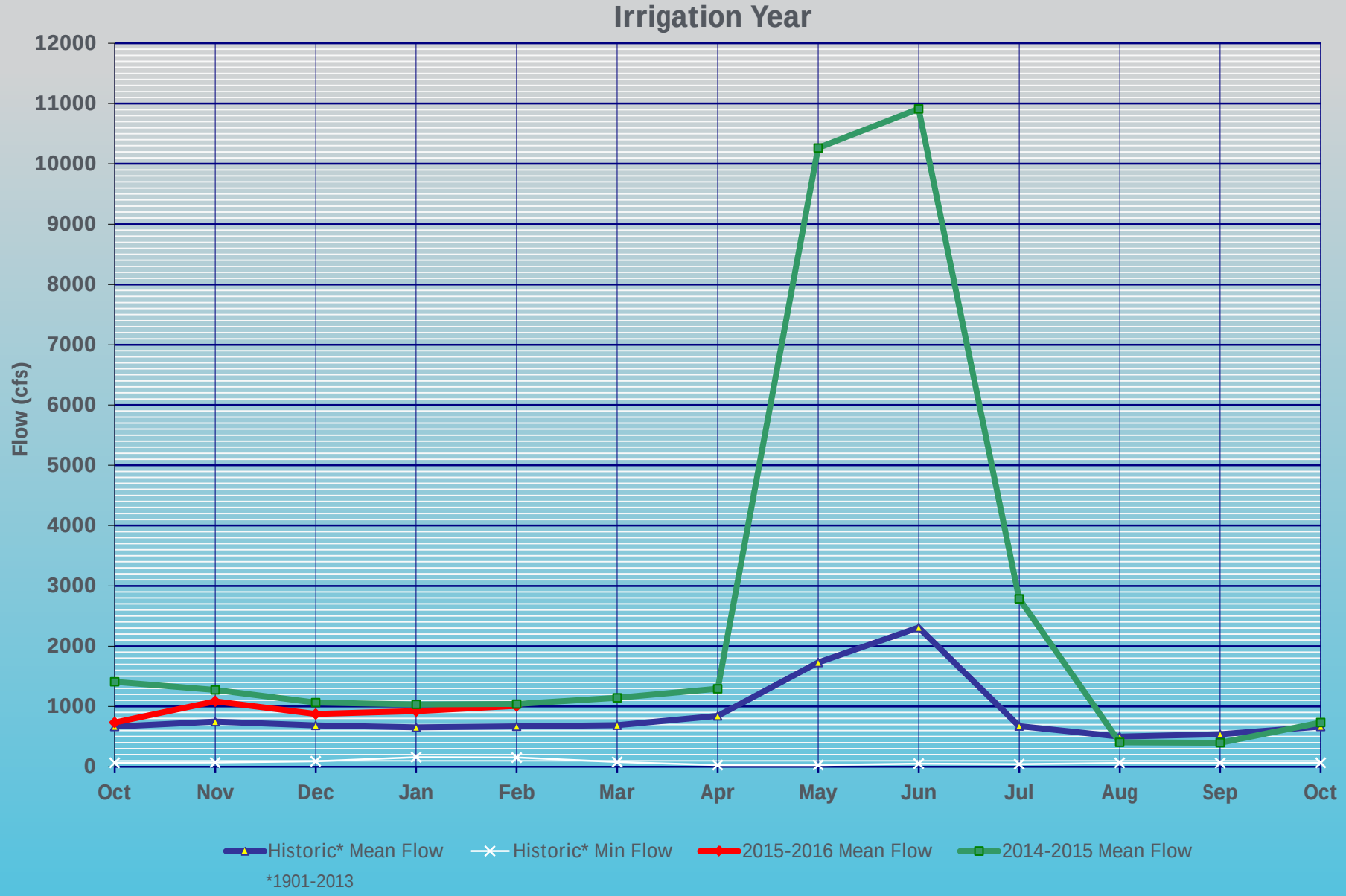
*Period of record 1902-2014

South Platte River at Julesburg

Month	Historic* Mean Flow	Historic* Max Flow	Year	Historic* Min Flow	Year	IY 2016 Mean Monthly Flow
Oct	299	3130	1984	4.2	1903	336
Nov	335	2900	1984	4.2	1903	614
Dec	401	1820	1984	13	2002	799
Jan	512	2510	1970	21	2003	1212
Feb	578	3220	1930	29	2005	1283
Mar	512	12900	1910	15	1904	
Apr	514	14400	1942	4.0	1904	
May	994	18100	1973	12	1911	
Jun	1426	30800	1921	2.0	1910	
Jul	311	12600	1983	0.0	1903	
Aug	178	8920	1968	0.0	1903	
Sep	284	7130	1938	2.0	1902	
Oct	299	3130	1984	4.2	1903	

*Period of record 1902-2014

South Platte River at Kersey



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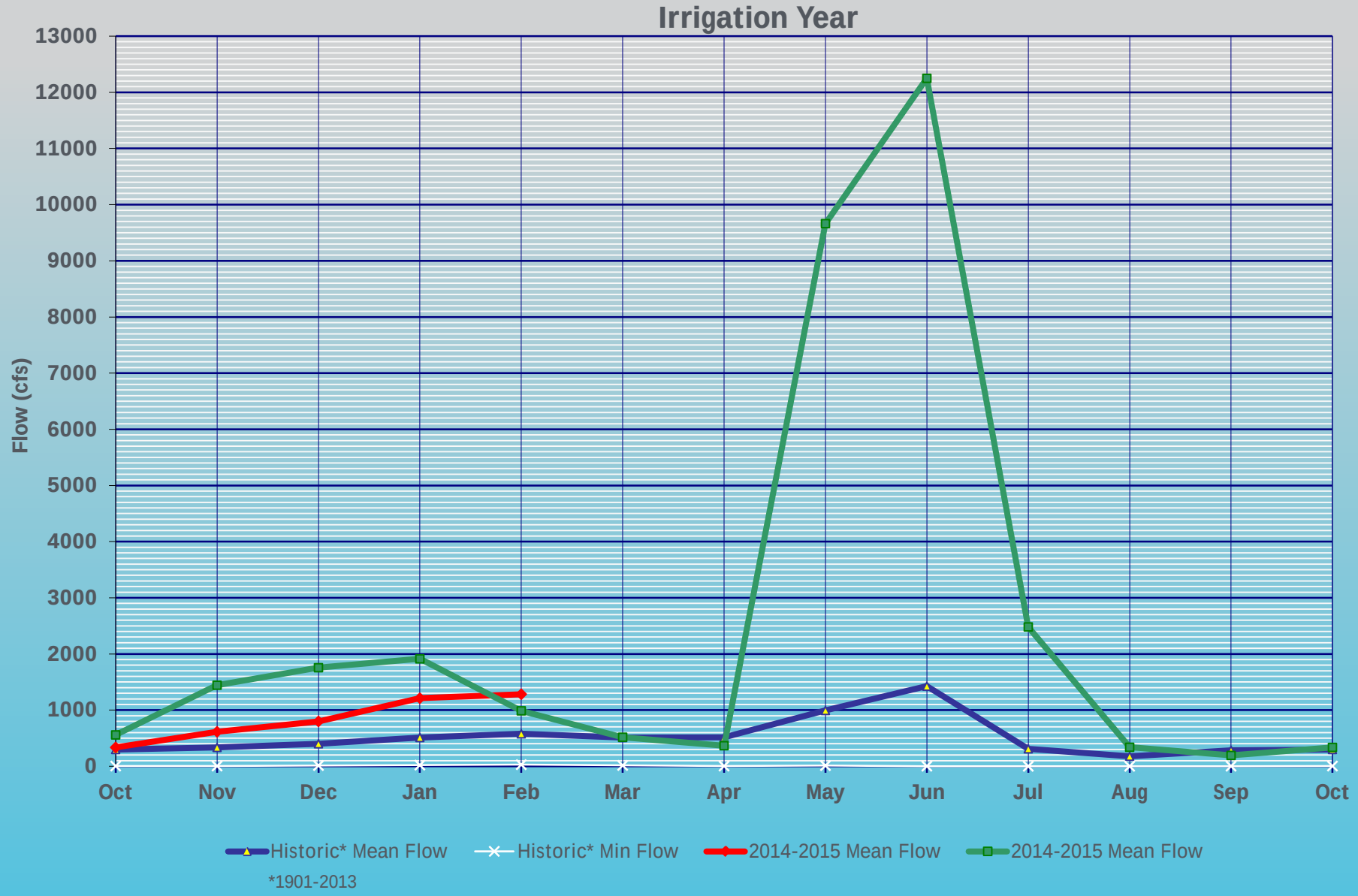
South Platte River at Julesburg



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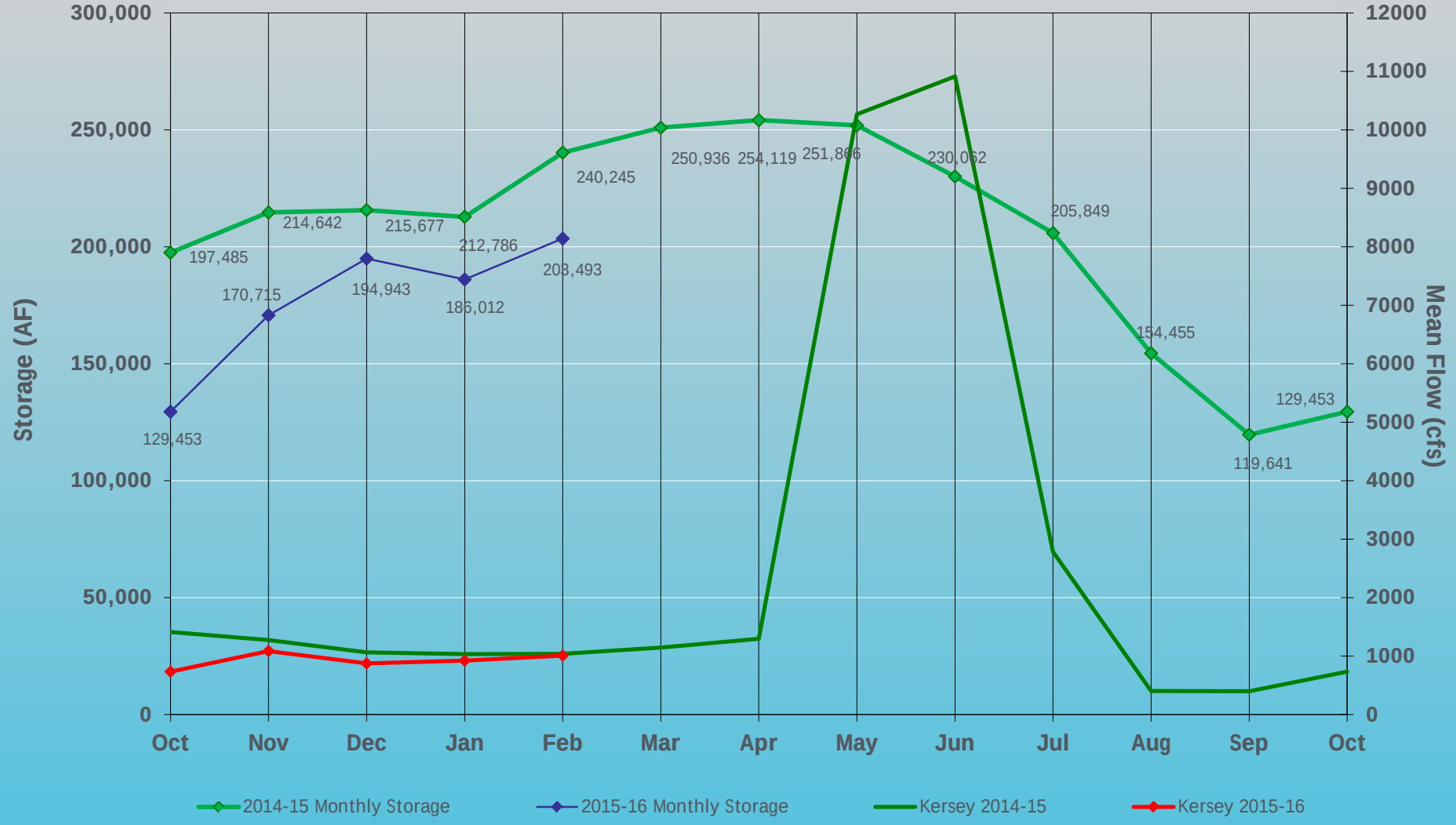
Next three slides show Reservoir Storage above and below Kersey

Reservoir Storage below Kersey

Selected Reservoirs*



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

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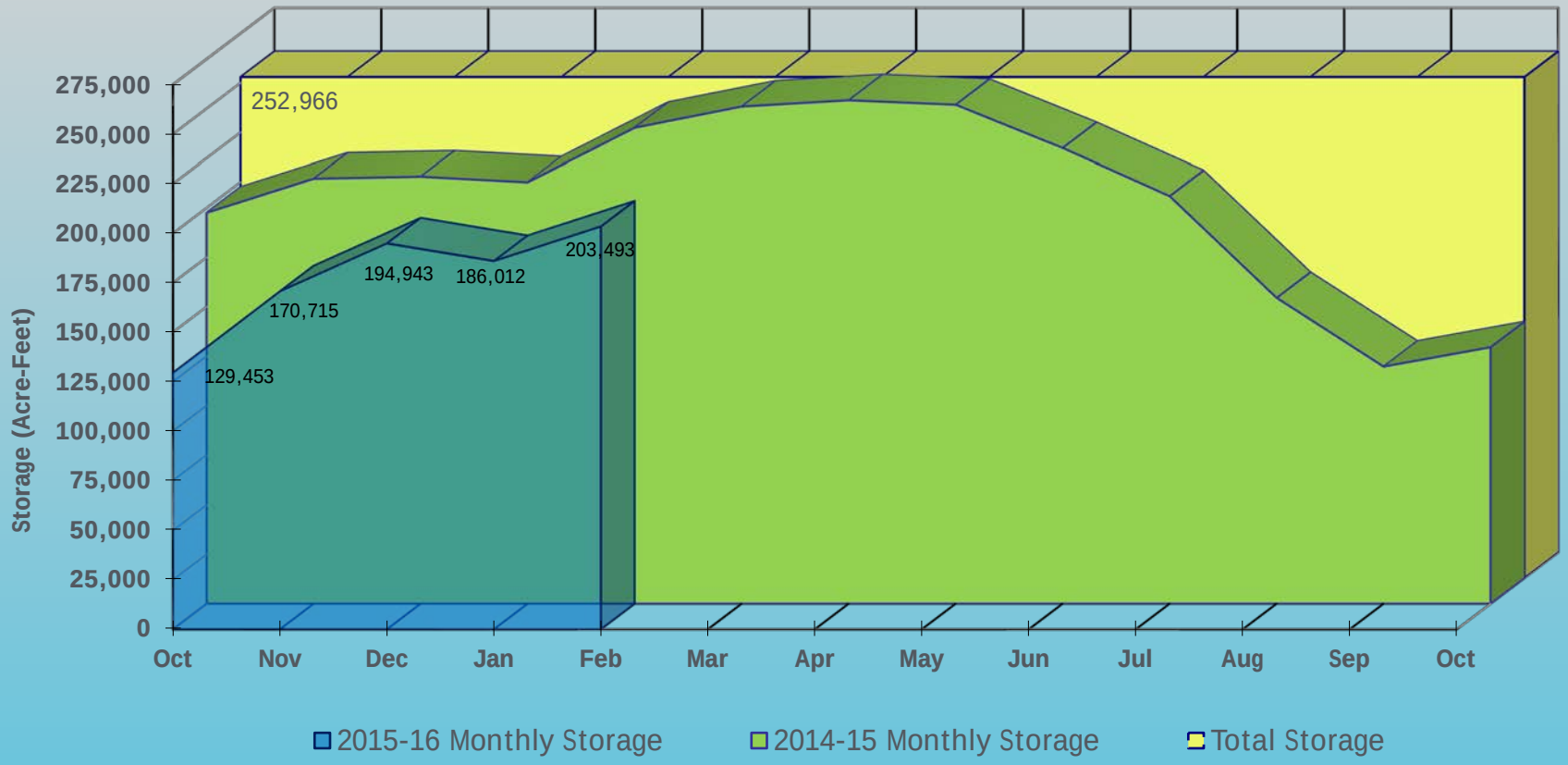
South Platte Reservoir Storage below Kersey*



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

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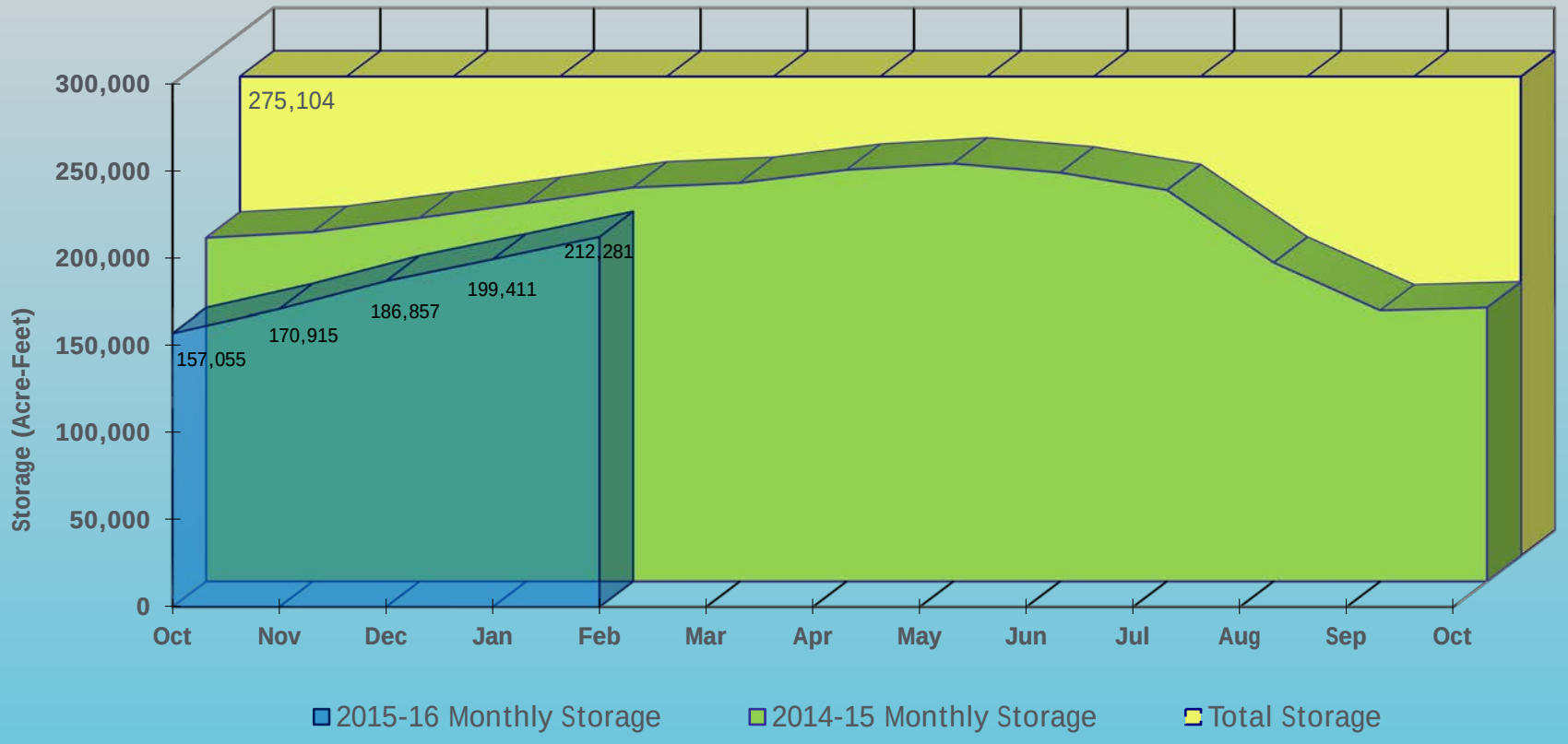
South Platte Reservoir Storage above Kersey*



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

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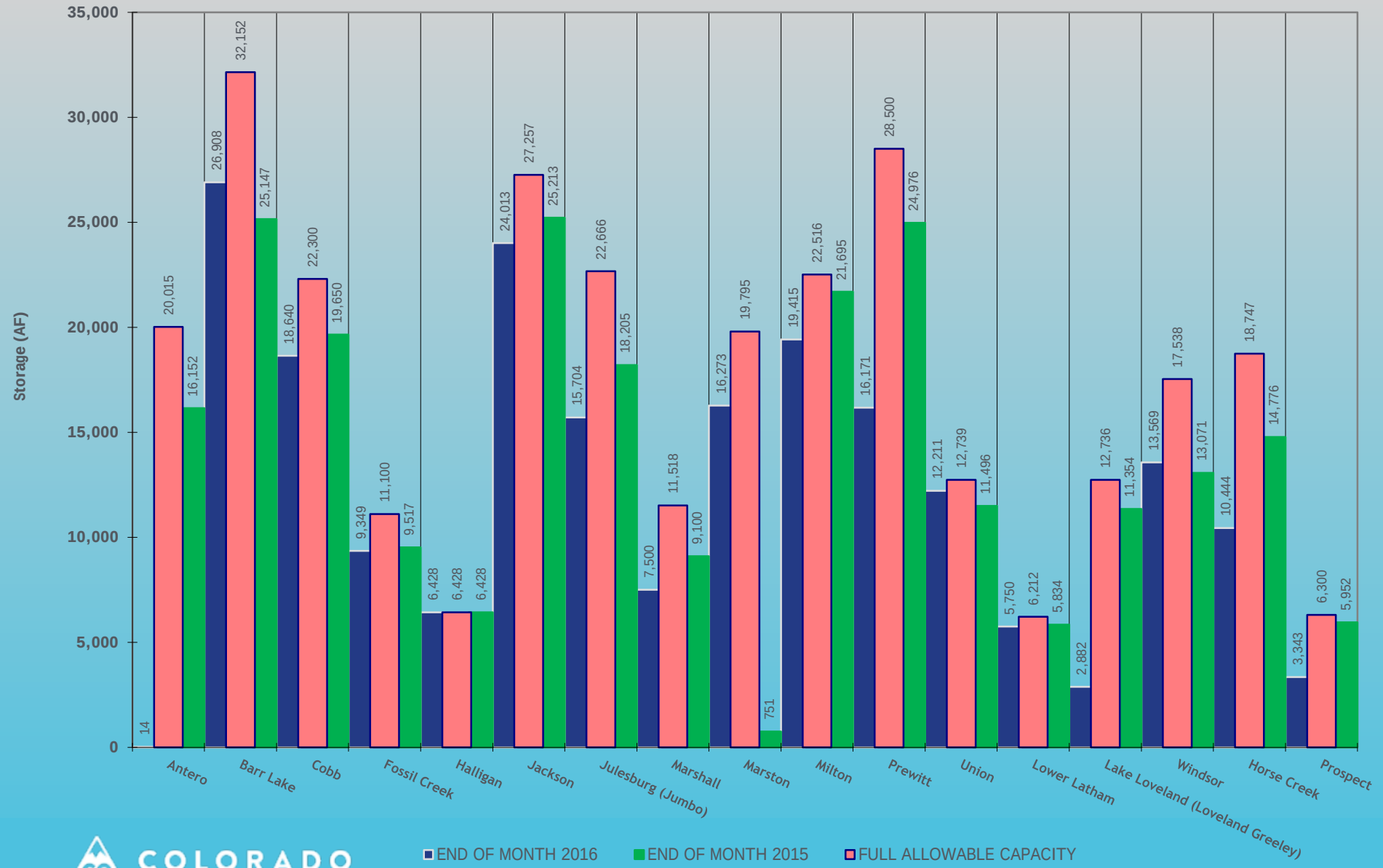
Individual Reservoir Storage Follows

February Reservoir Change in Storage
2015 versus 2016



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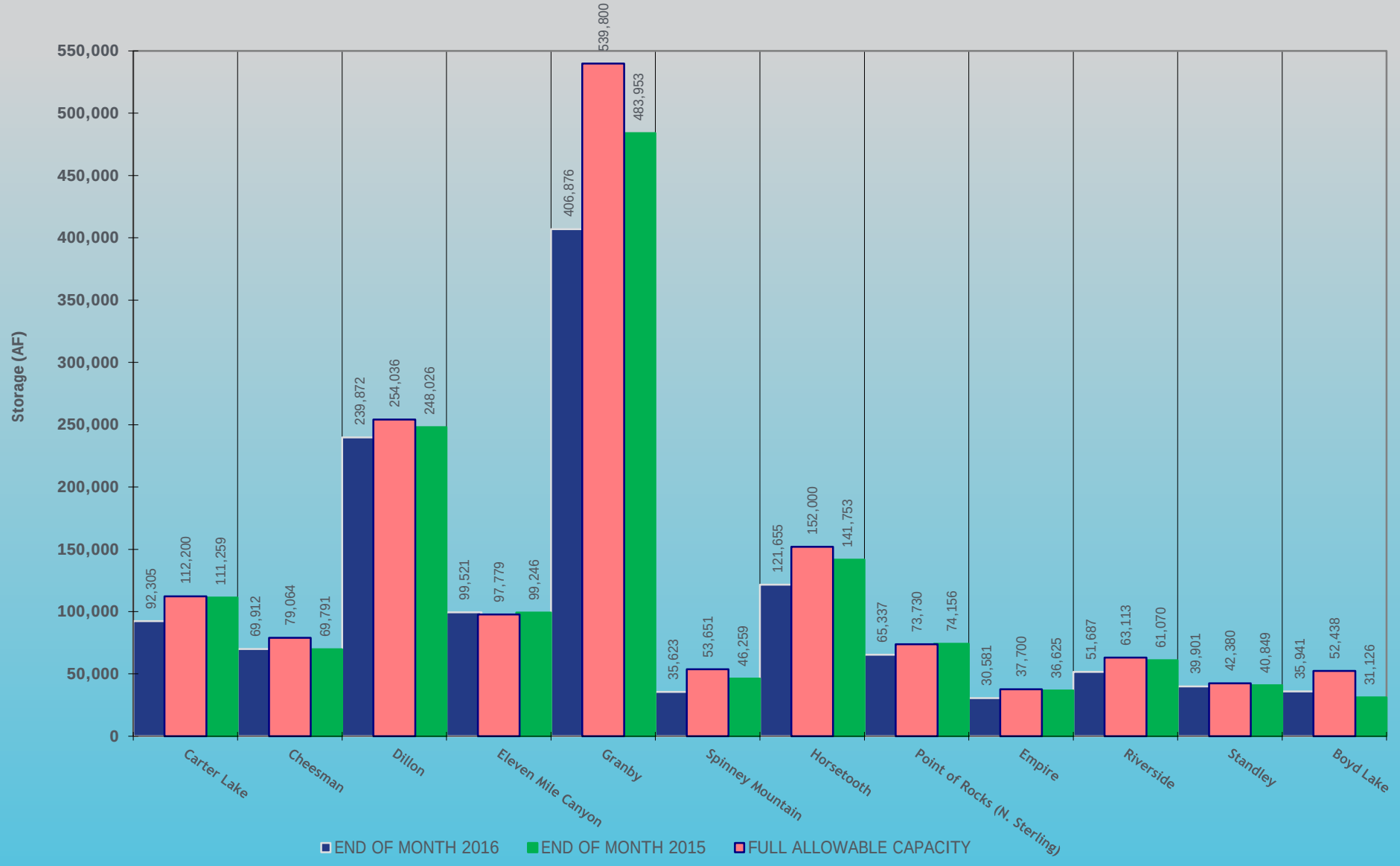
February Reservoir Change in Storage
2015 versus 2016



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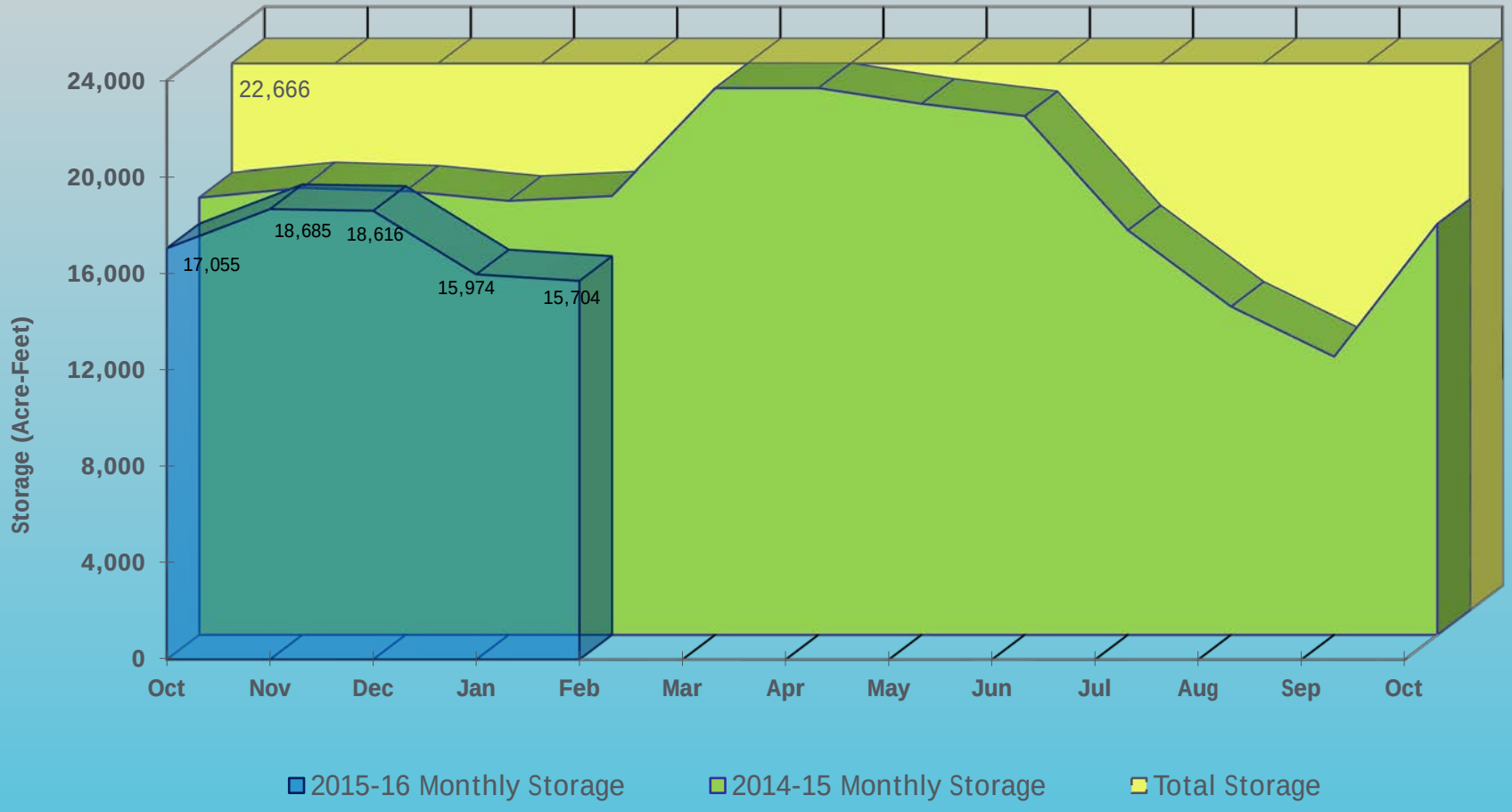
Julesburg Reservoir
(District 64 - Agricultural)



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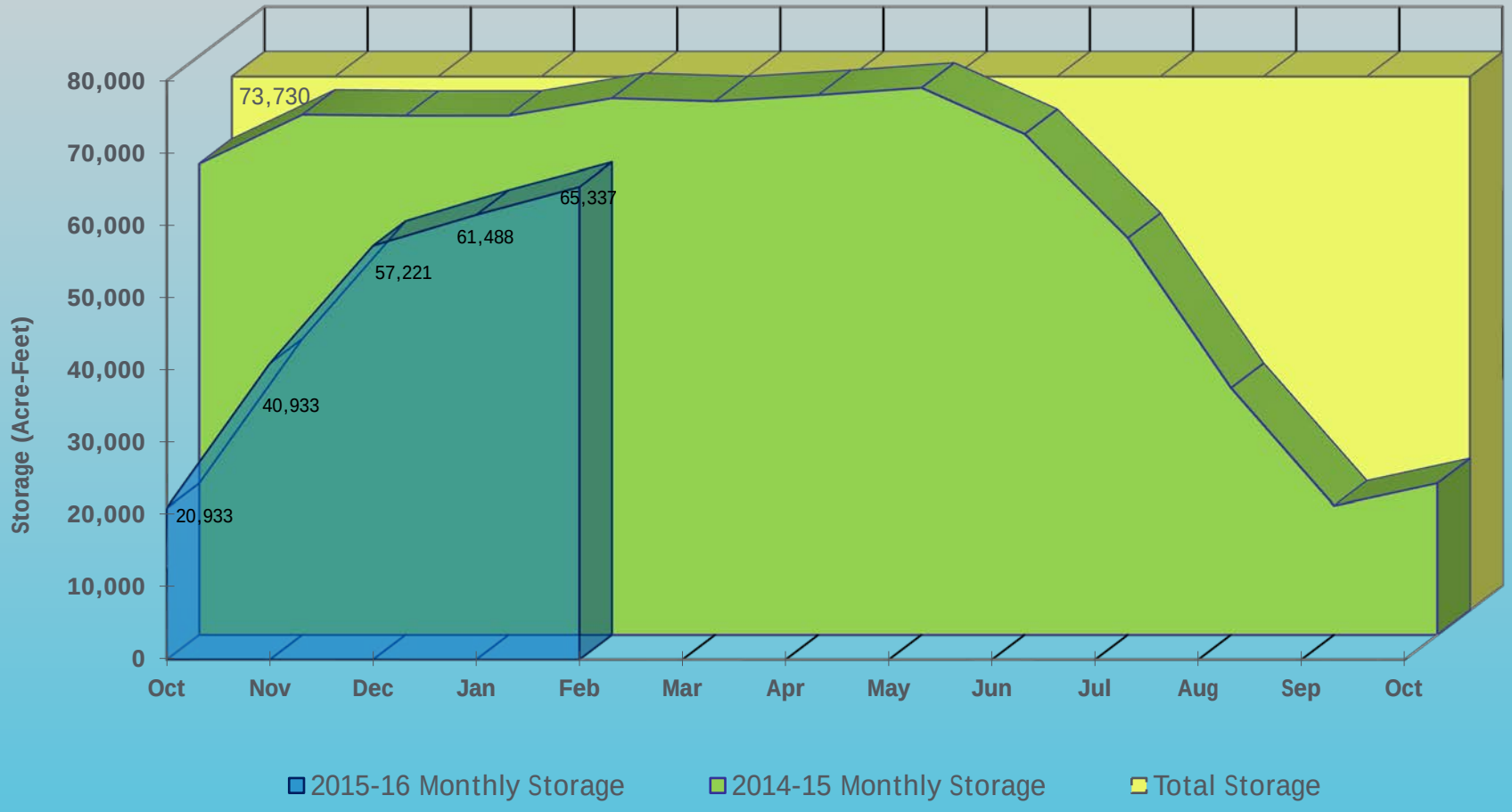
North Sterling Reservoir
(District 64 - Agricultural)



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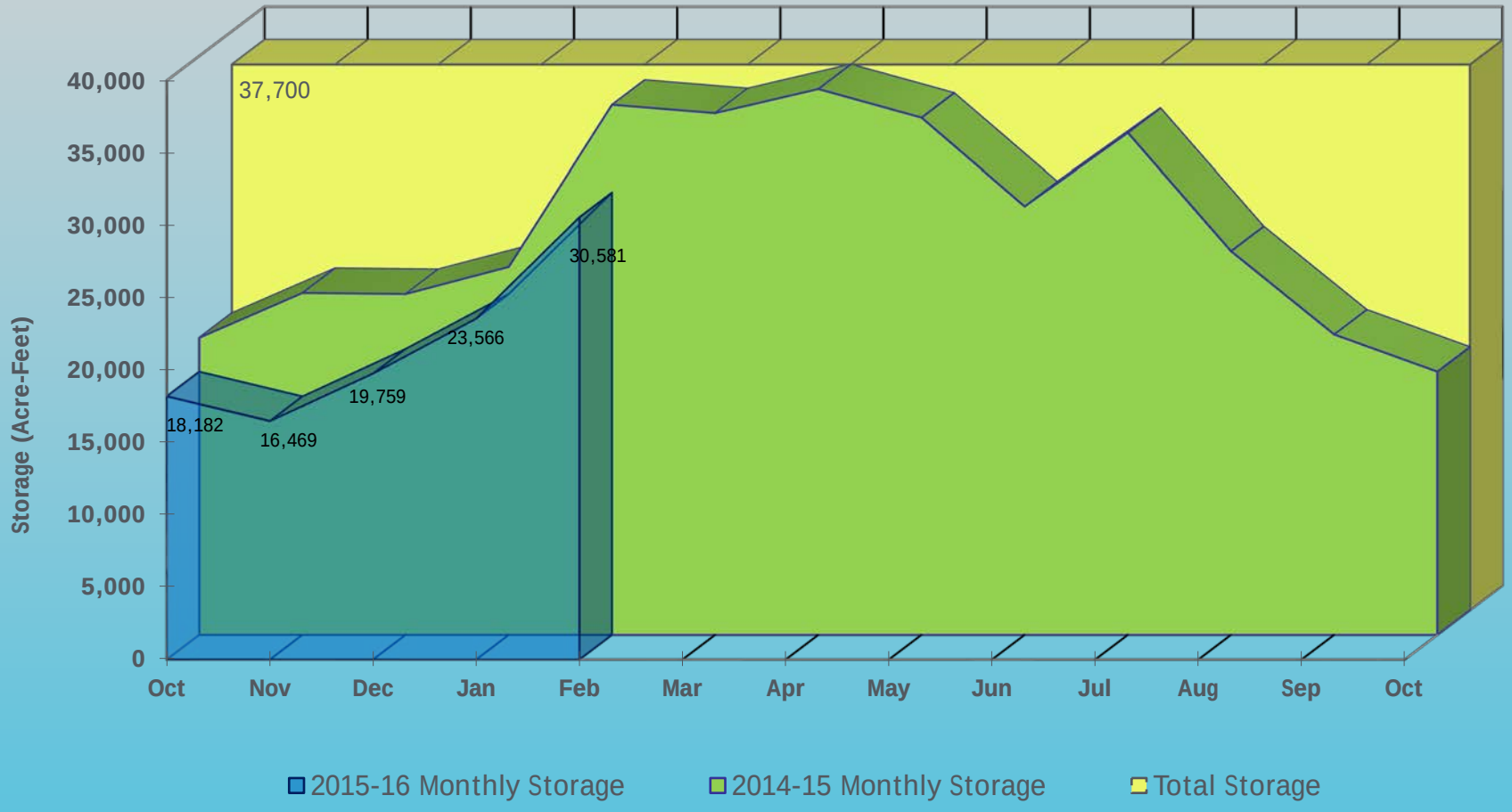
Empire Reservoir
(District 1 - Agricultural)



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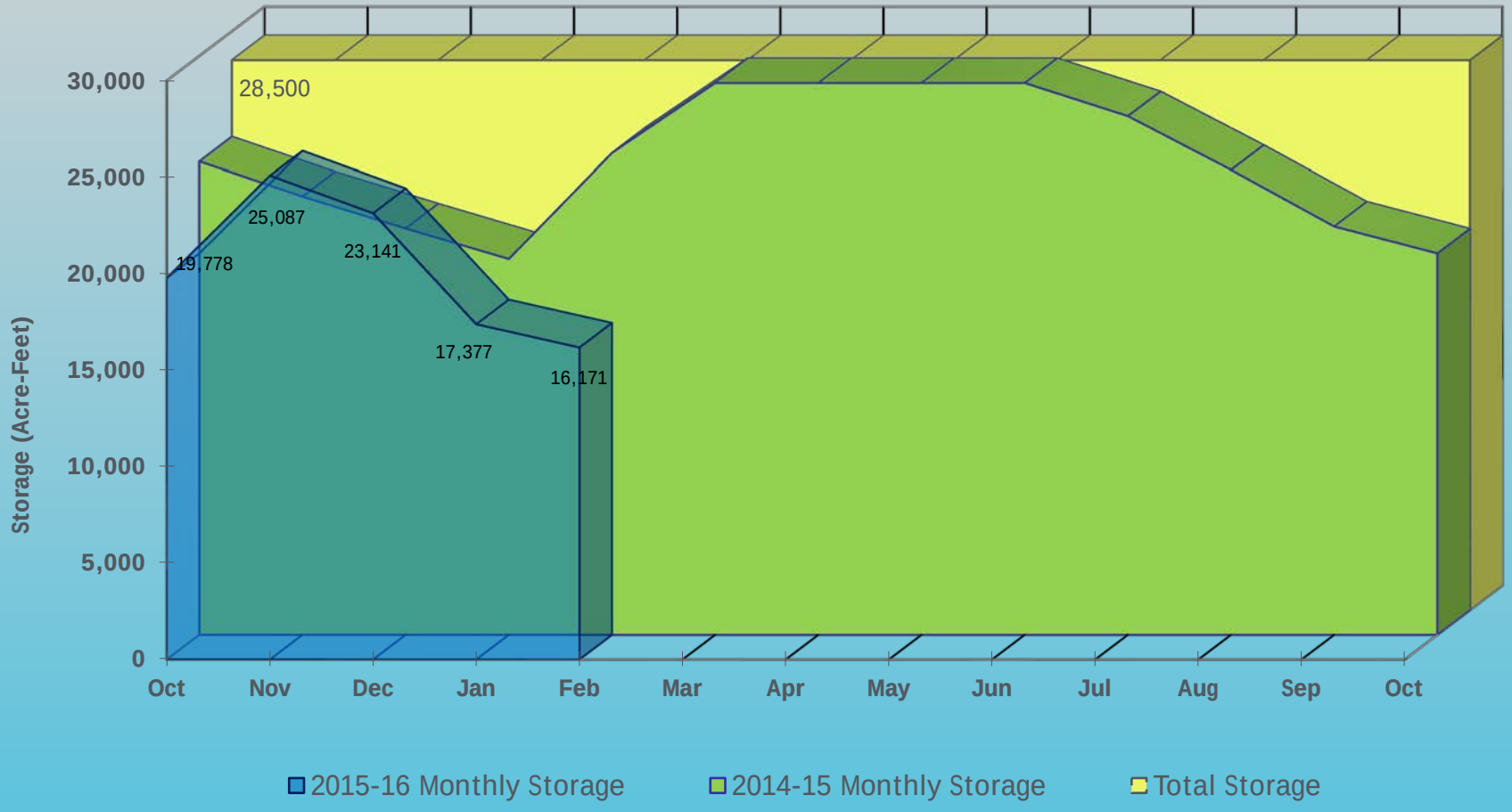
Prewitt Reservoir
(District 64 - Agricultural)



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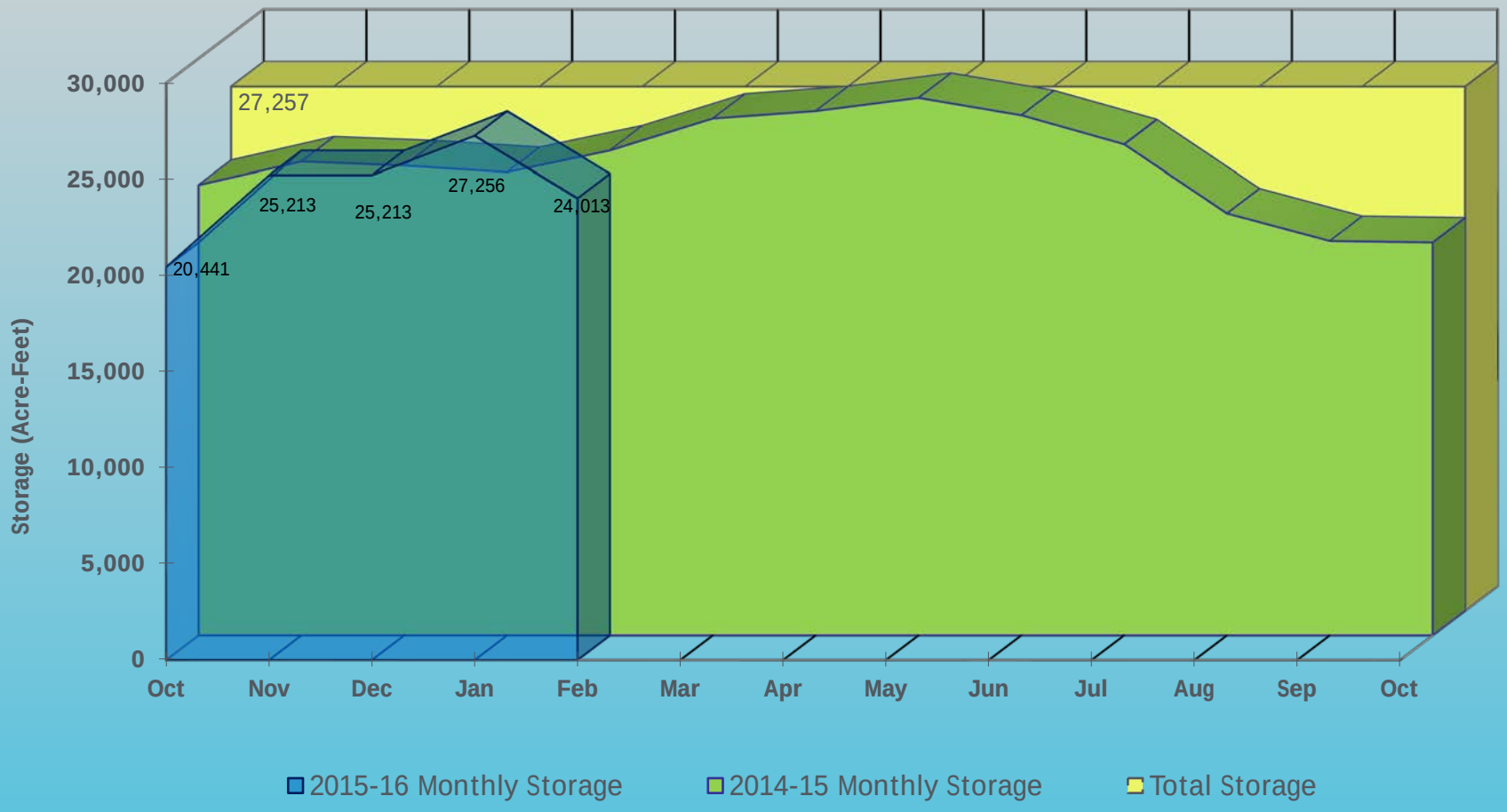
Jackson Reservoir
(District 1 - Agricultural)



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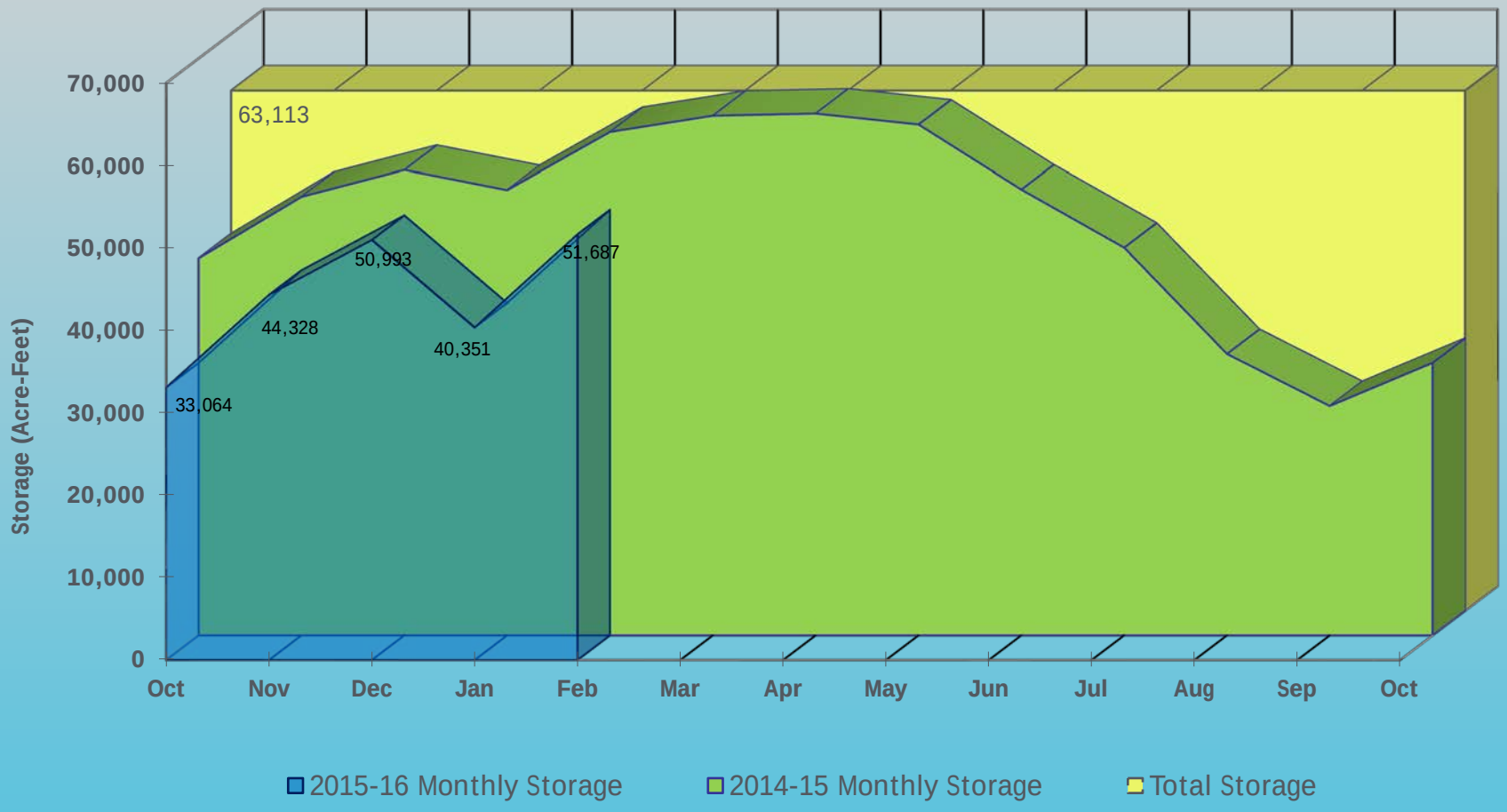
Riverside Reservoir
(District 1 - Agricultural)



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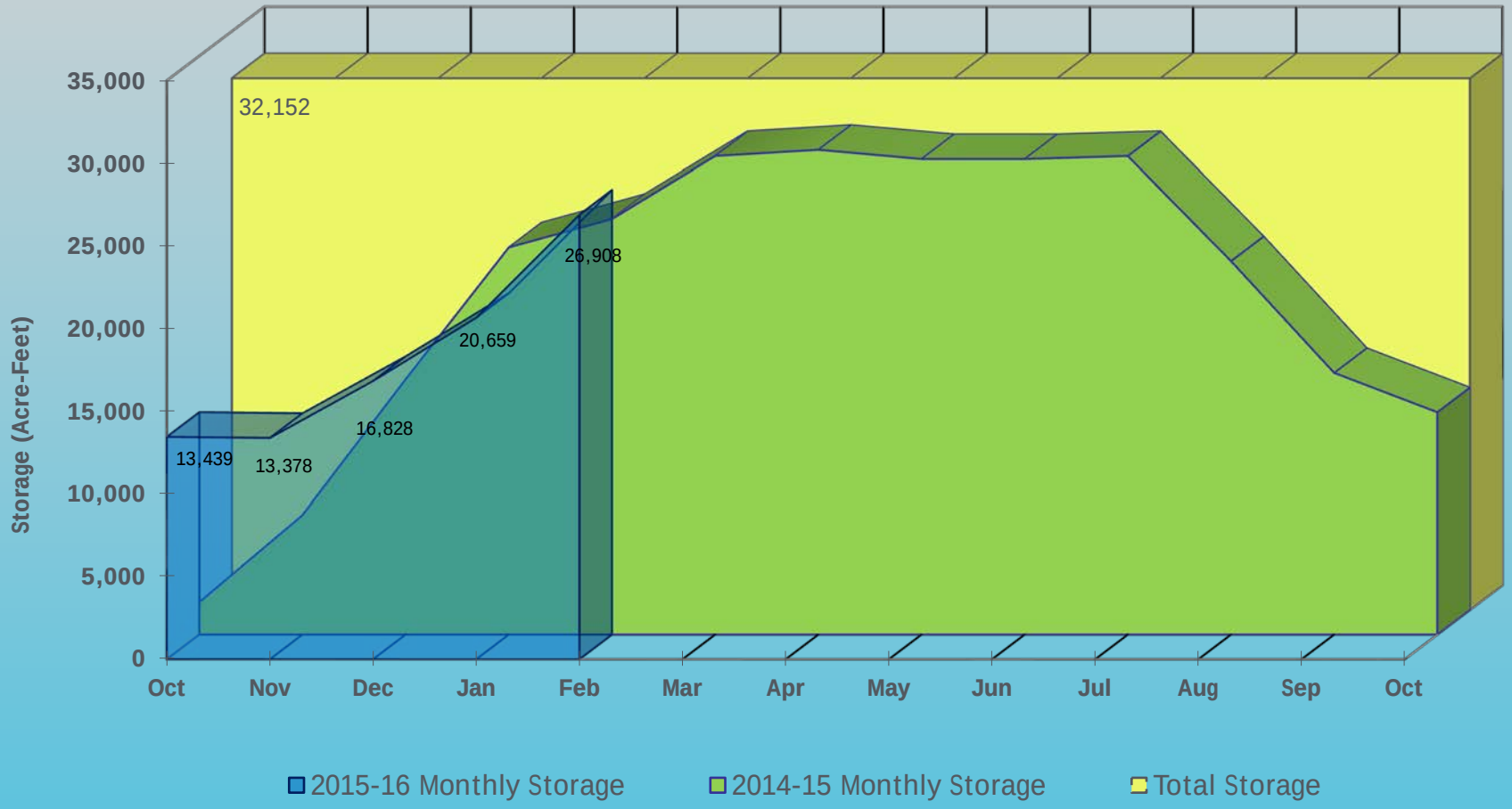
Barr Reservoir
(District 2 - Agricultural)



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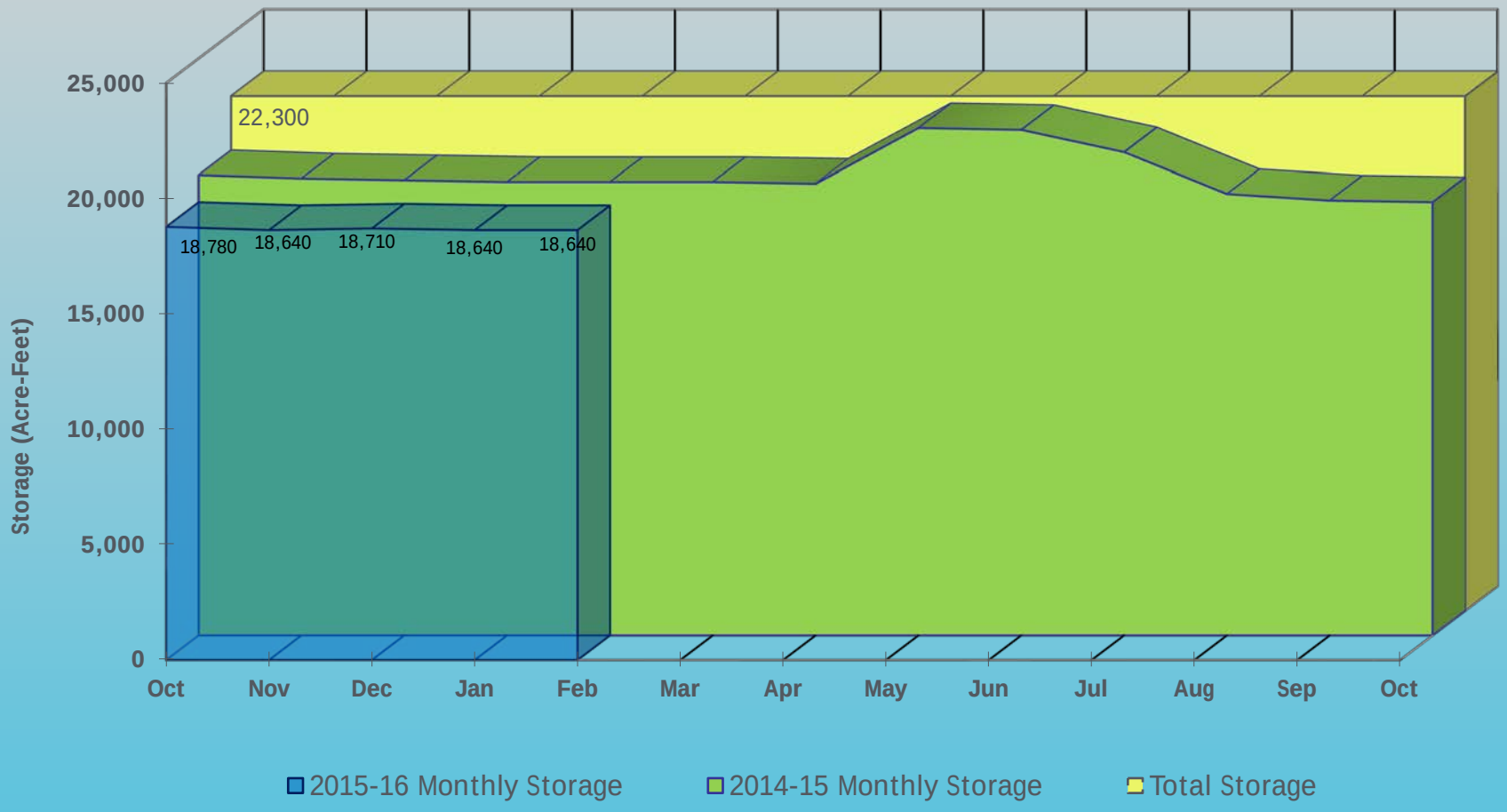
Cobb Reservoir
(District 3, Poudre River - Agricultural)



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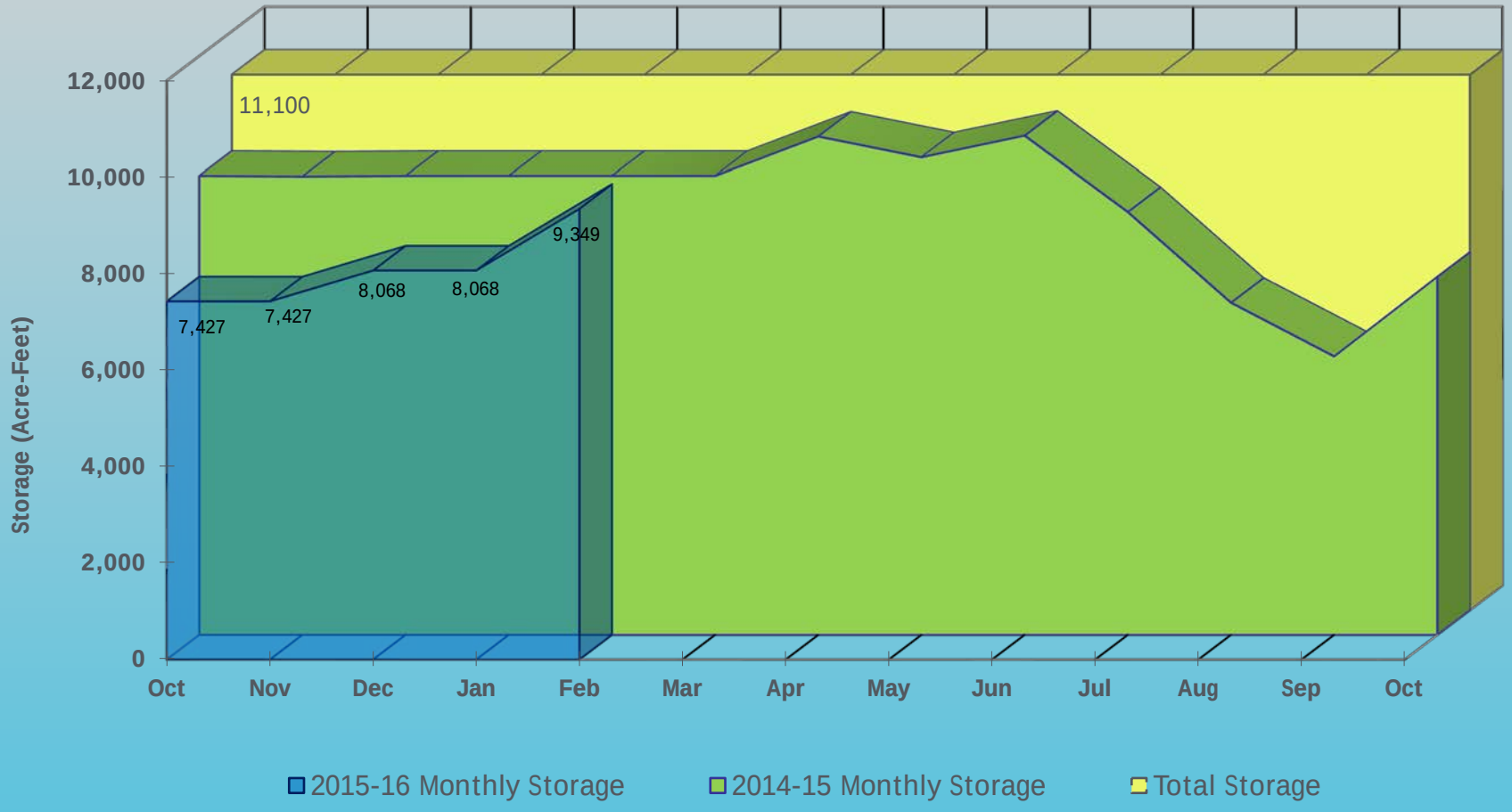
Fossil Creek Reservoir
(District 3, Poudre River - Agricultural)



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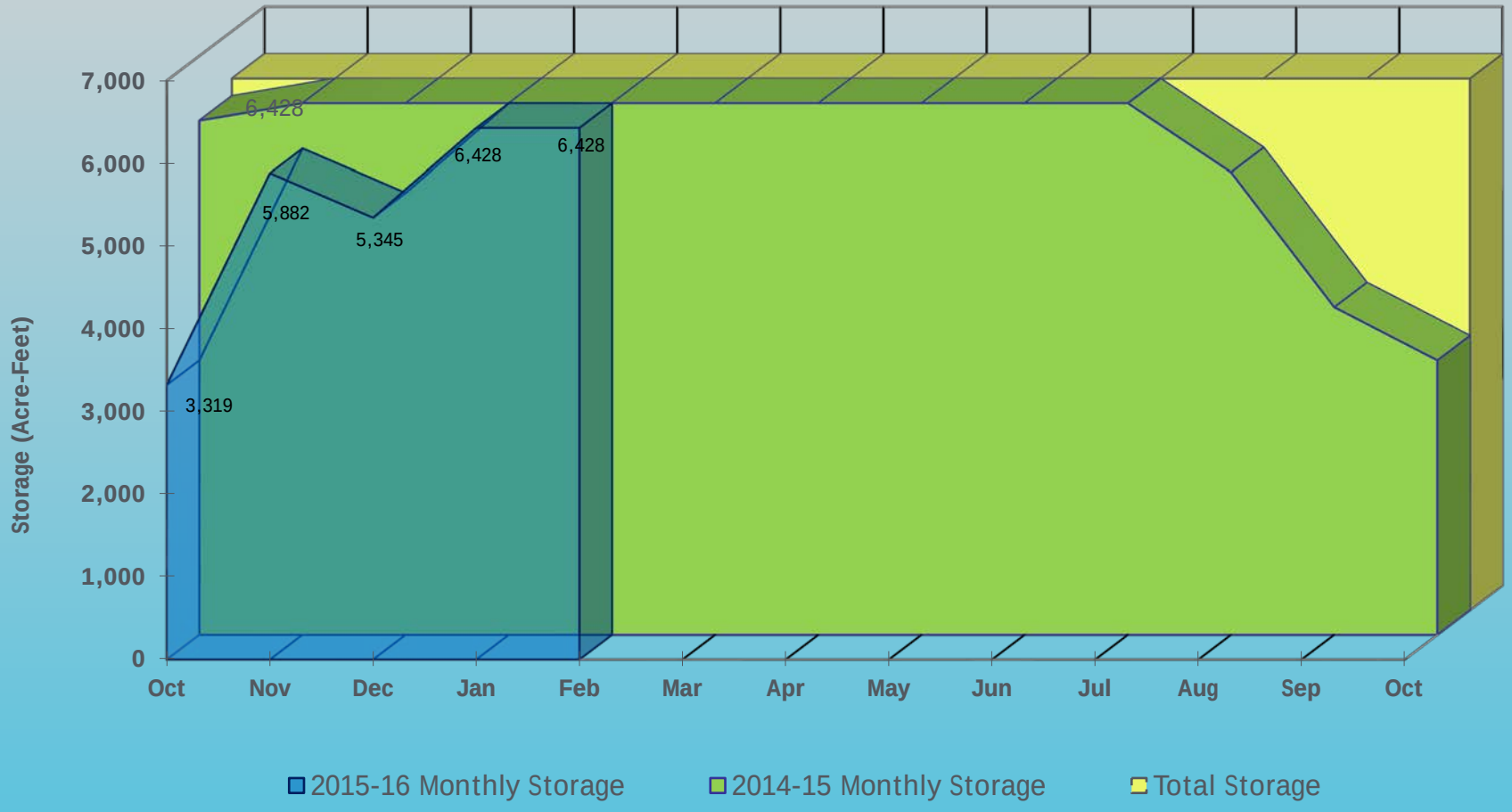
Halligan Reservoir
(District 3, Poudre River - Agricultural)



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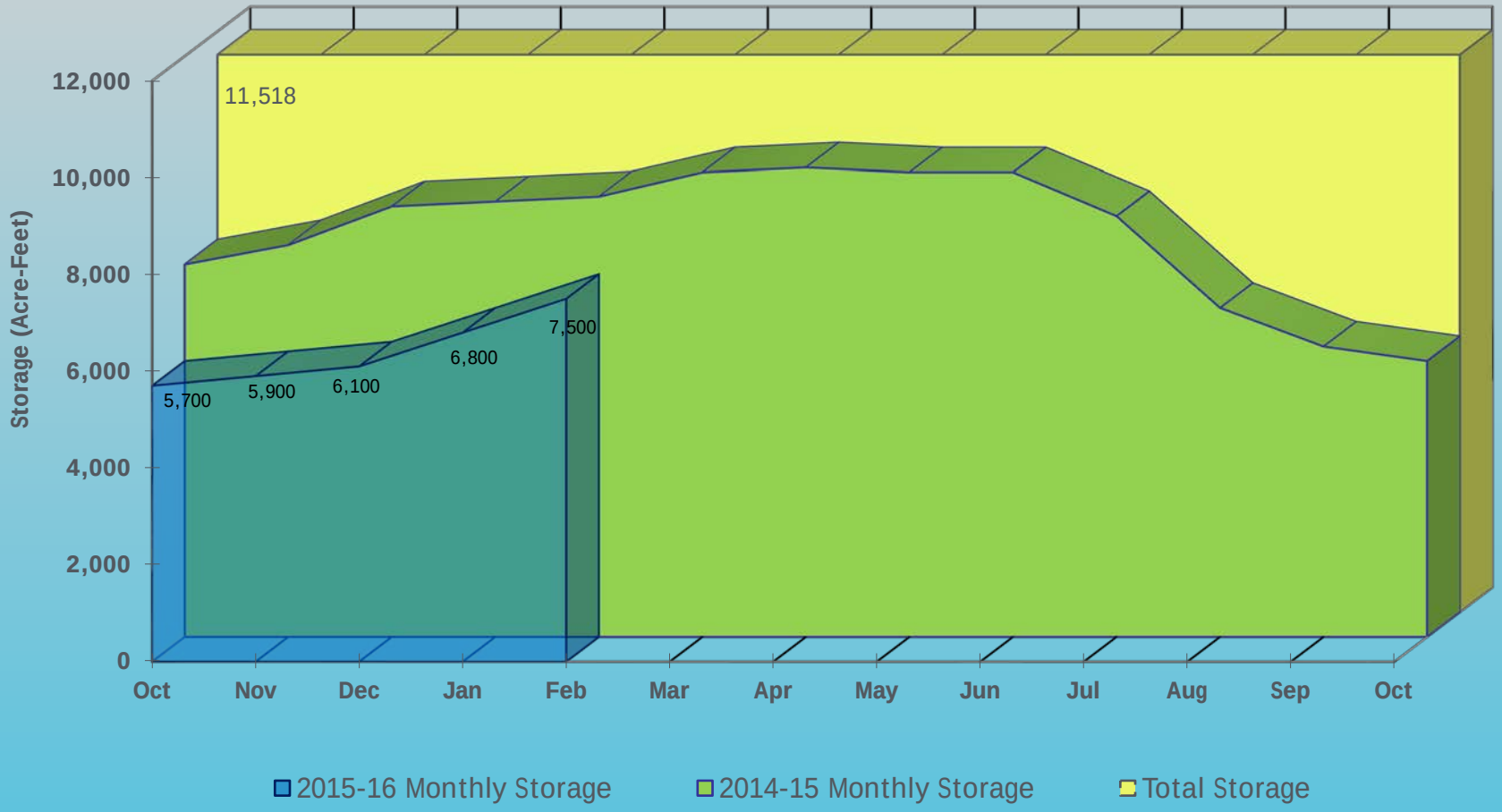
Marshall Lake
(District 6, Boulder Creek - Agricultural)



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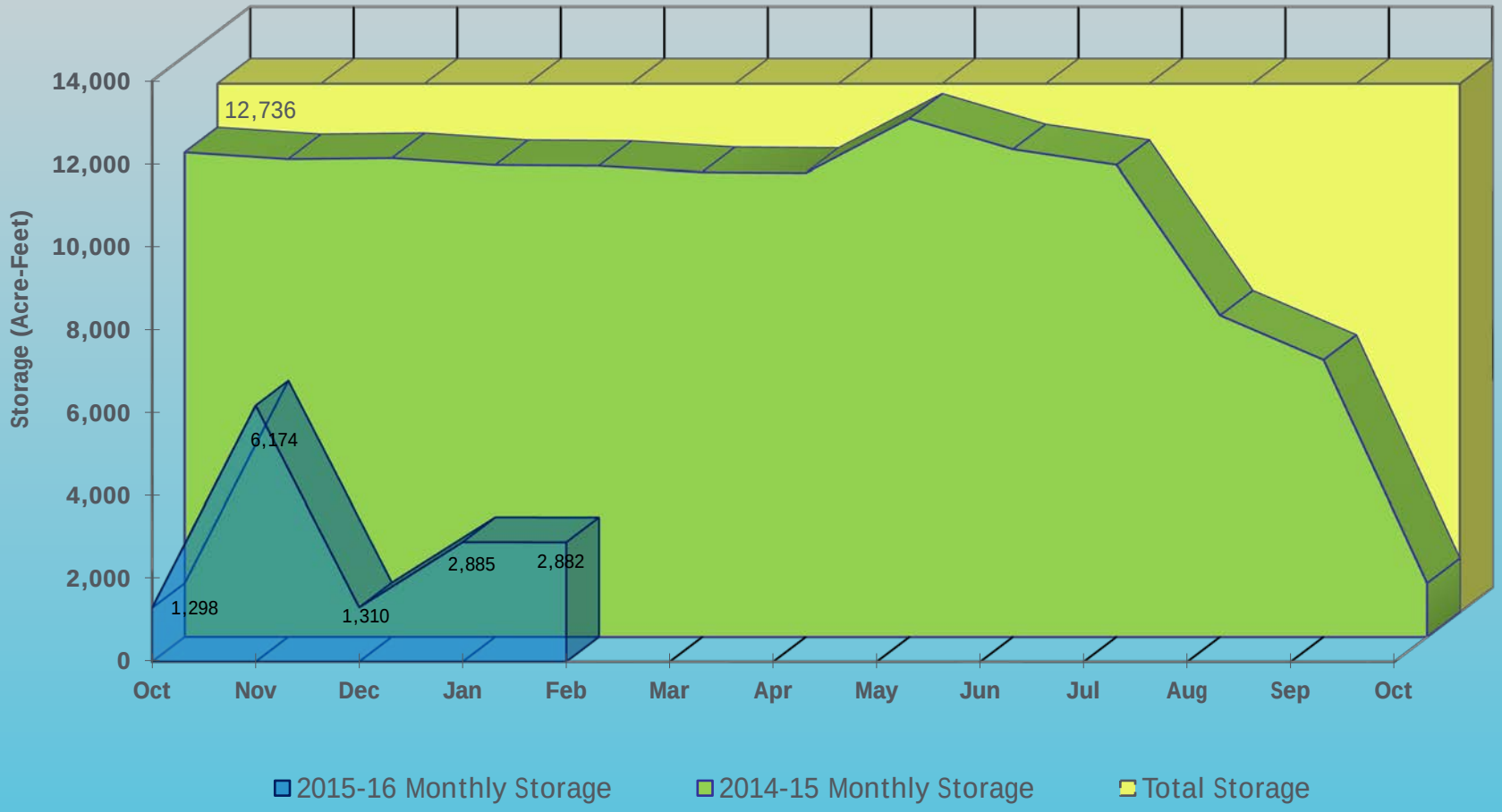
Loveland Greeley Reservoir
(District 4, Big Thompson River - Agricultural)



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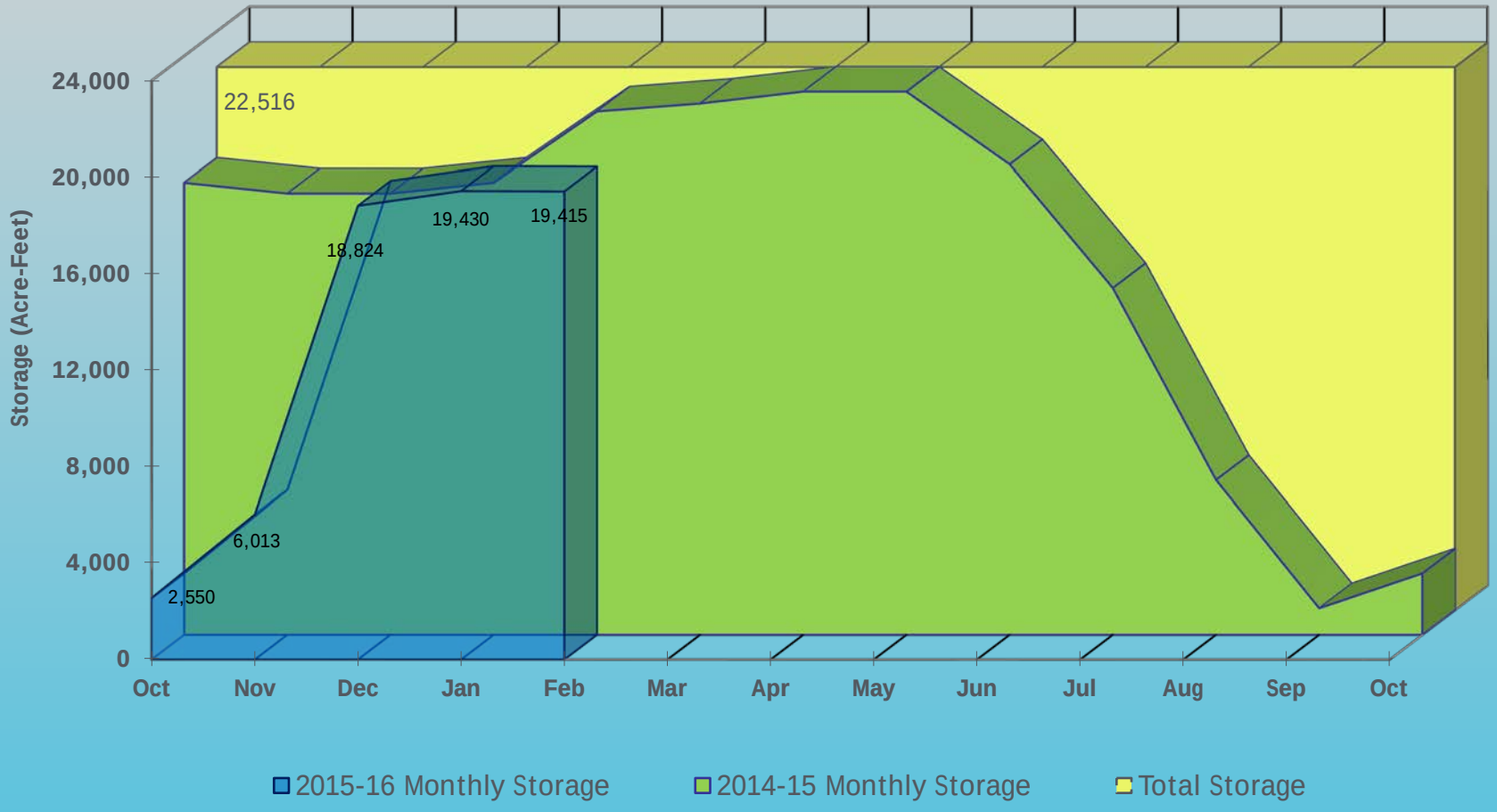
Milton Reservoir
(District 2 - Agricultural)



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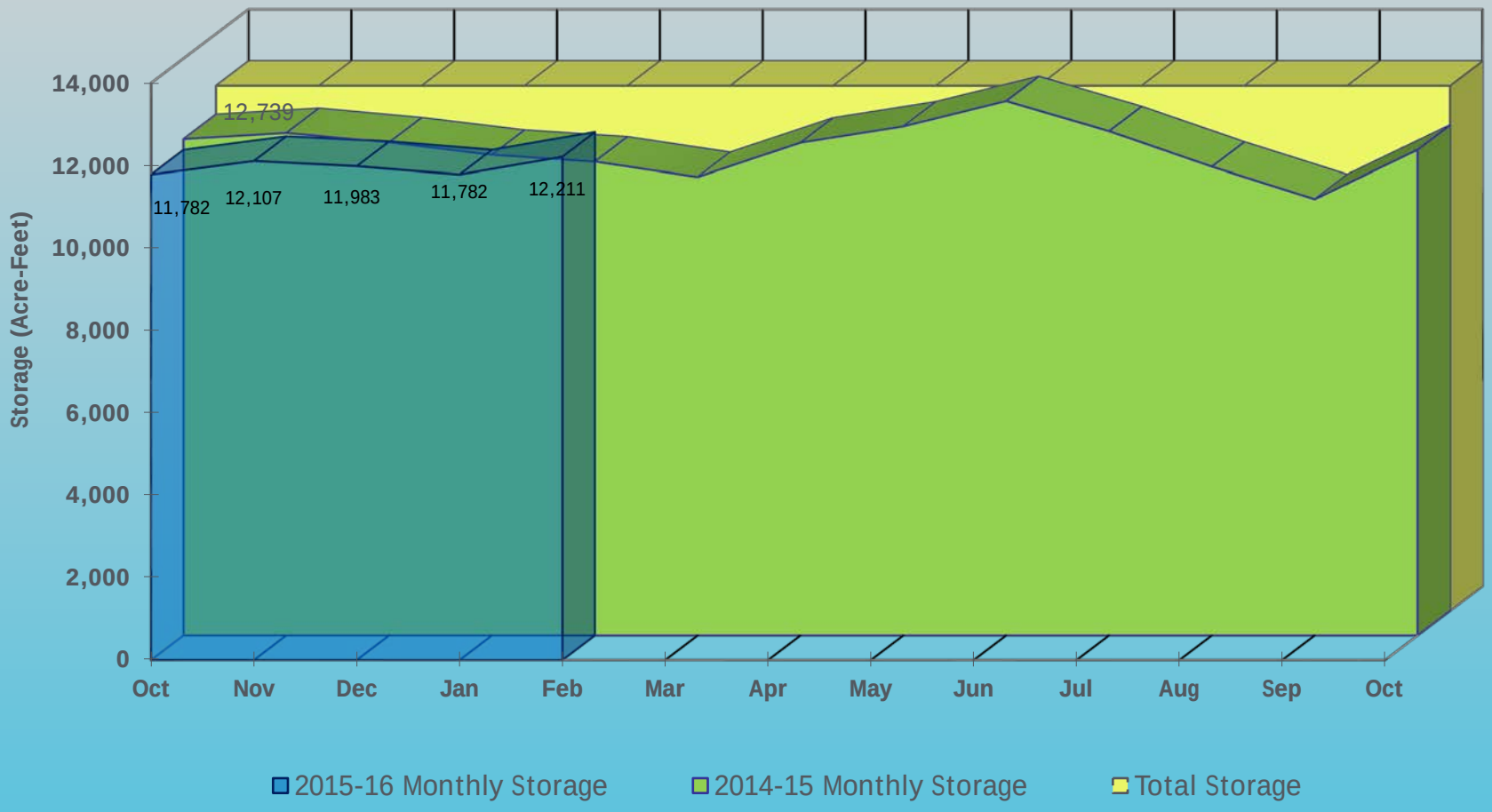
Union Reservoir
(District 5, St. Vrain Creek - Agricultural)



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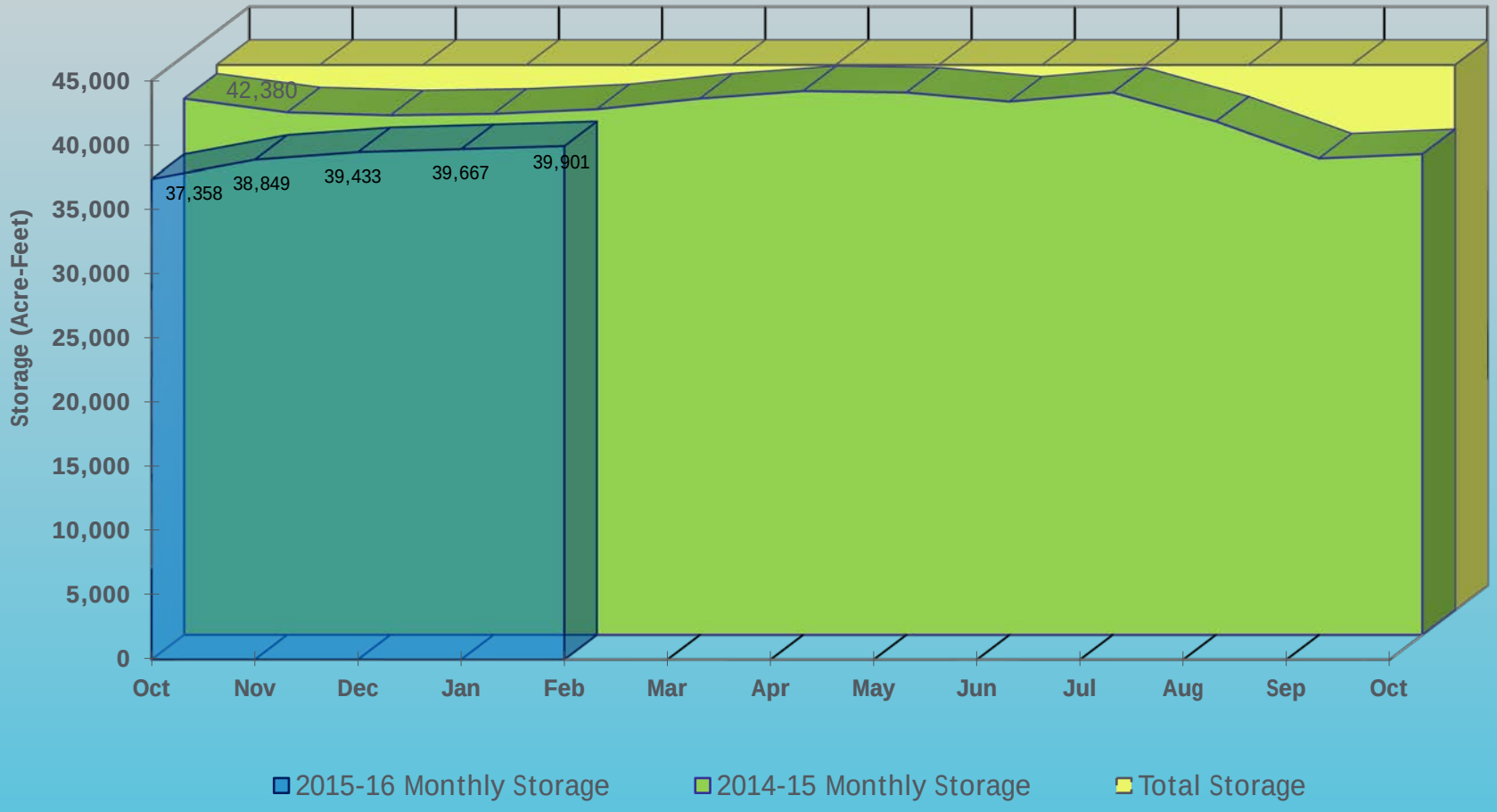
Standley Lake (Agricultural)



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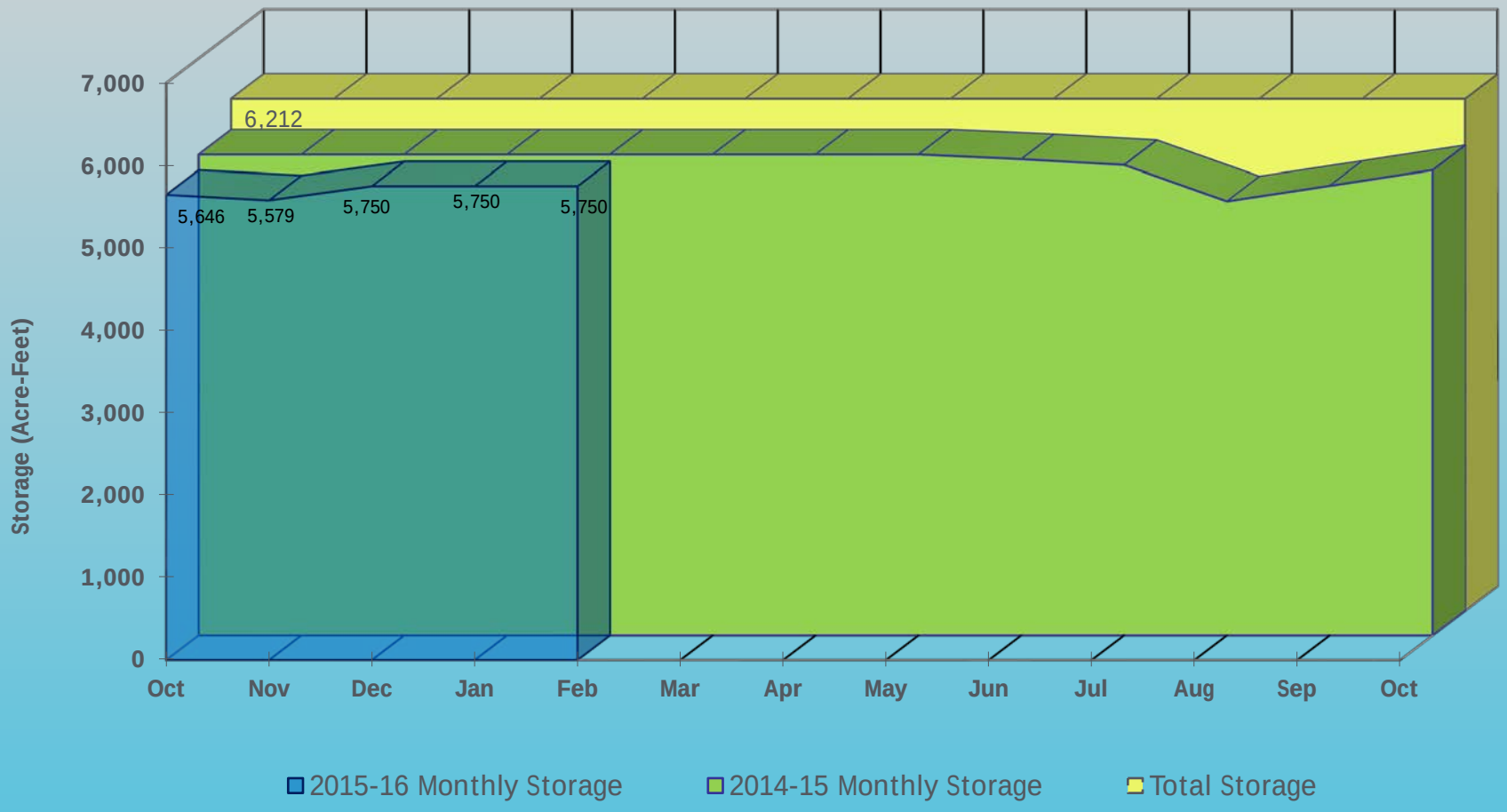
Lower Latham Reservoir (District 2 - Agricultural)



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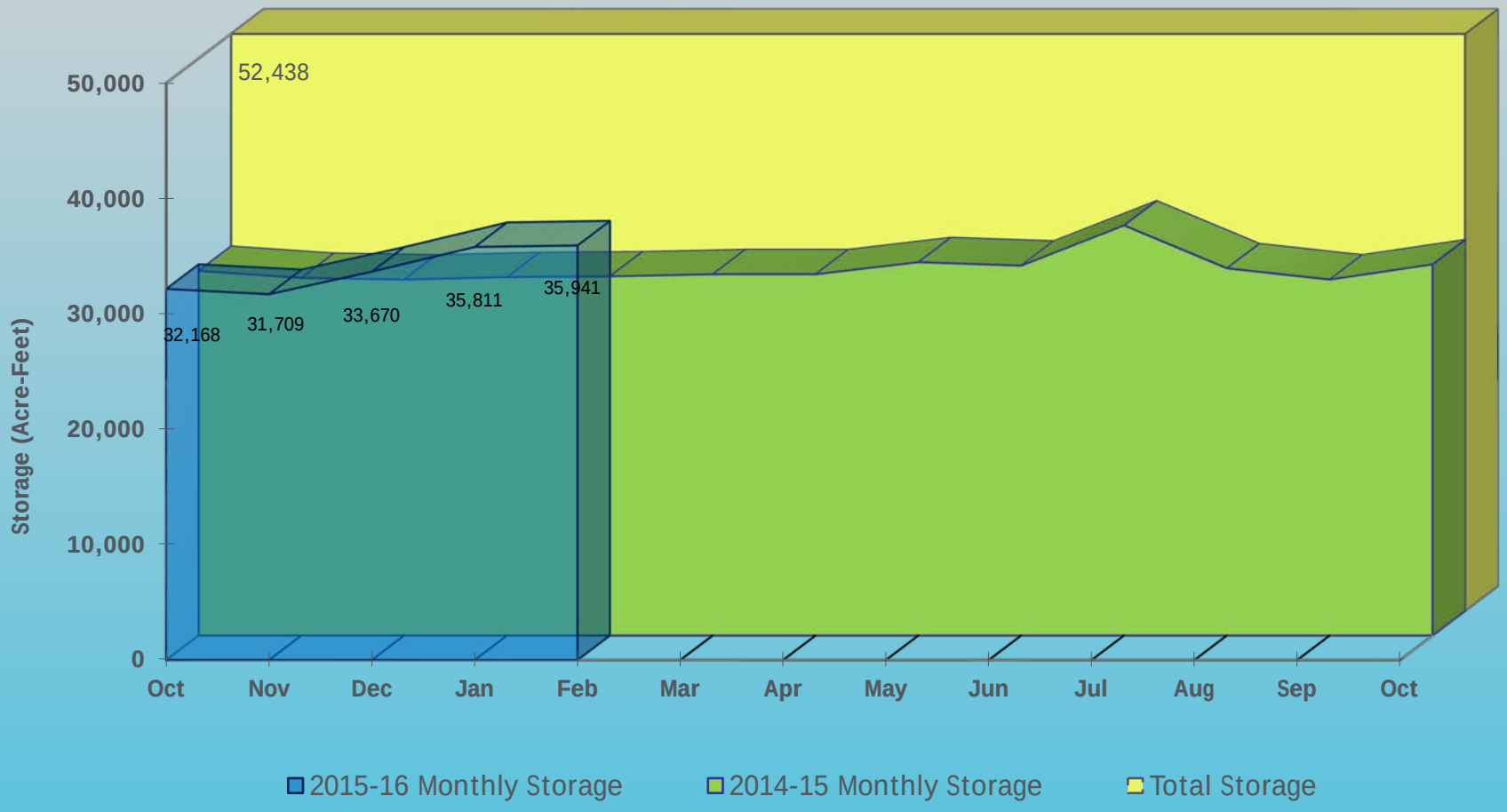
Boyd Lake
(District 4, Big Thompson River - Agricultural)



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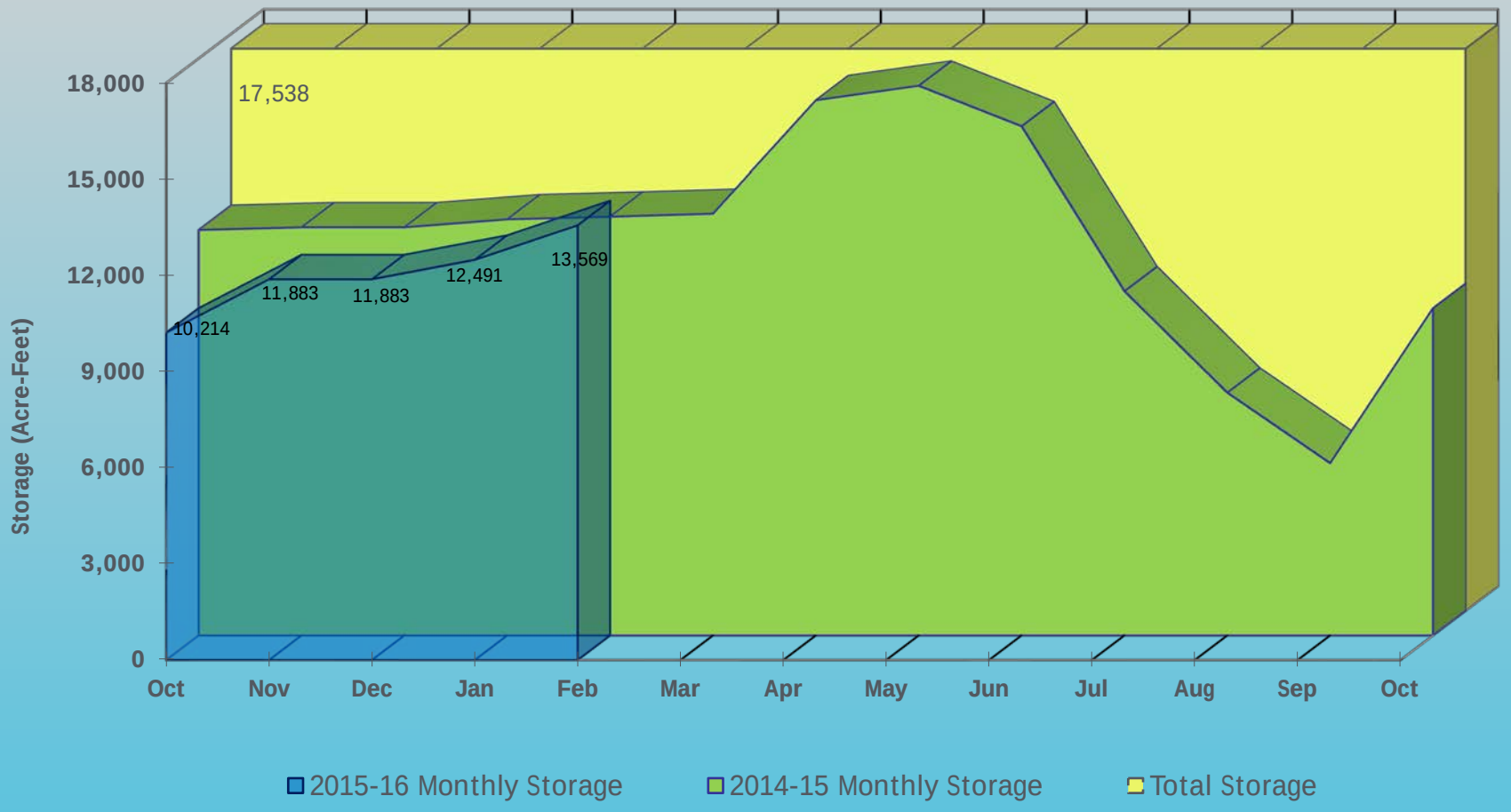
Windsor Reservoir
(District 3, Poudre River - Agricultural)



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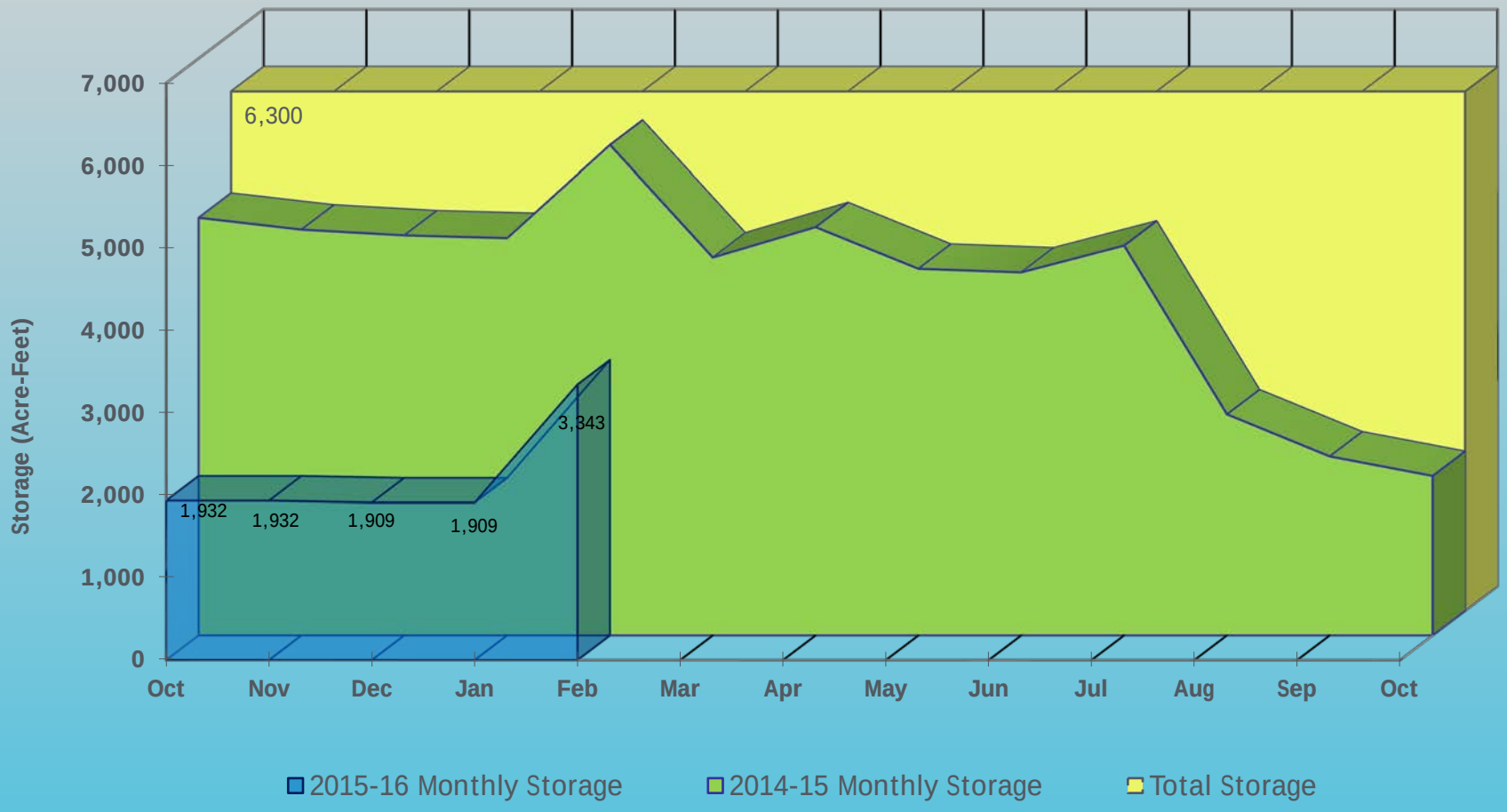
Prospect Reservoir
(District 1 - Agricultural)



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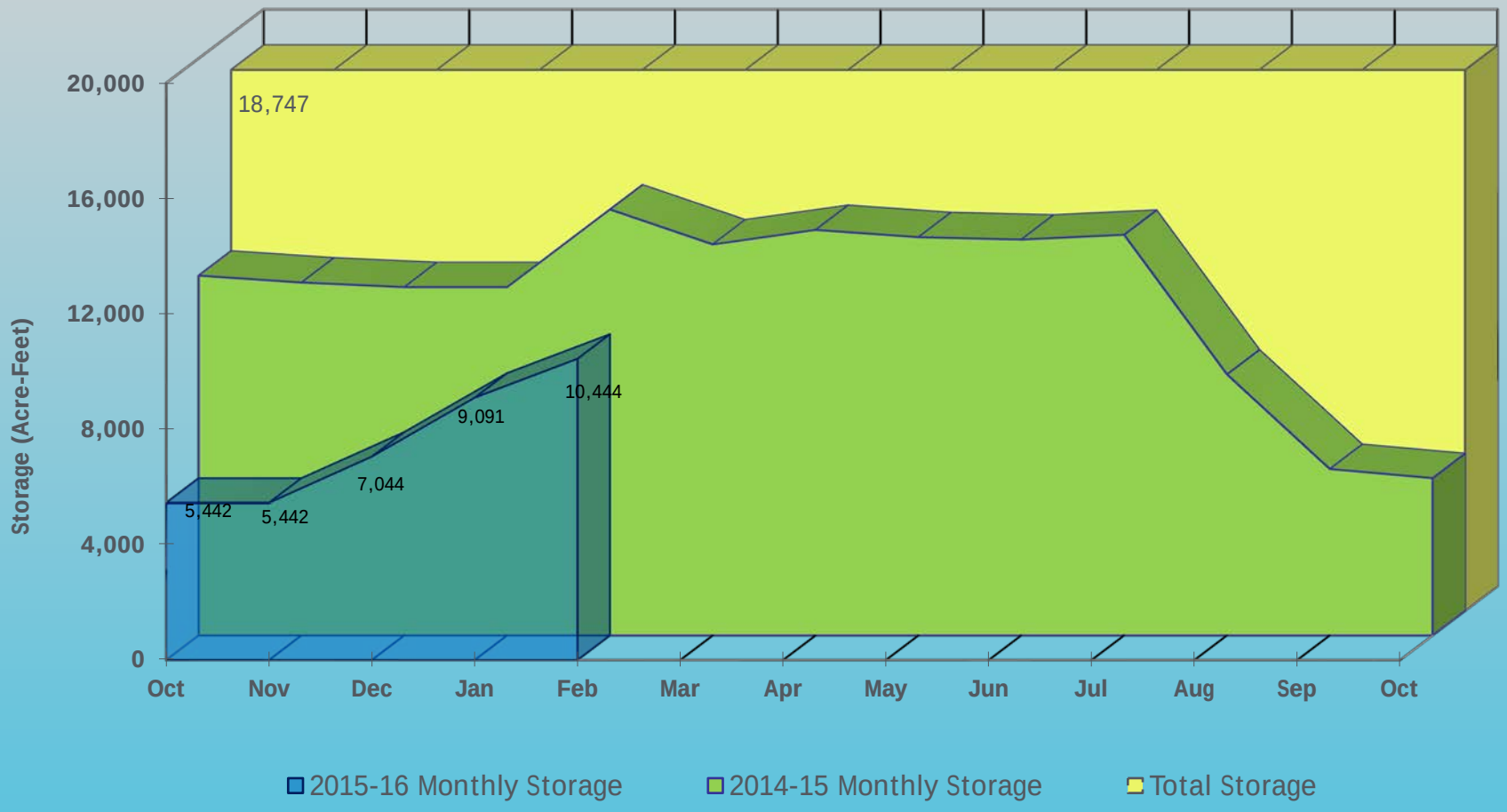
Horse Creek Reservoir
(District 1 - Agricultural)



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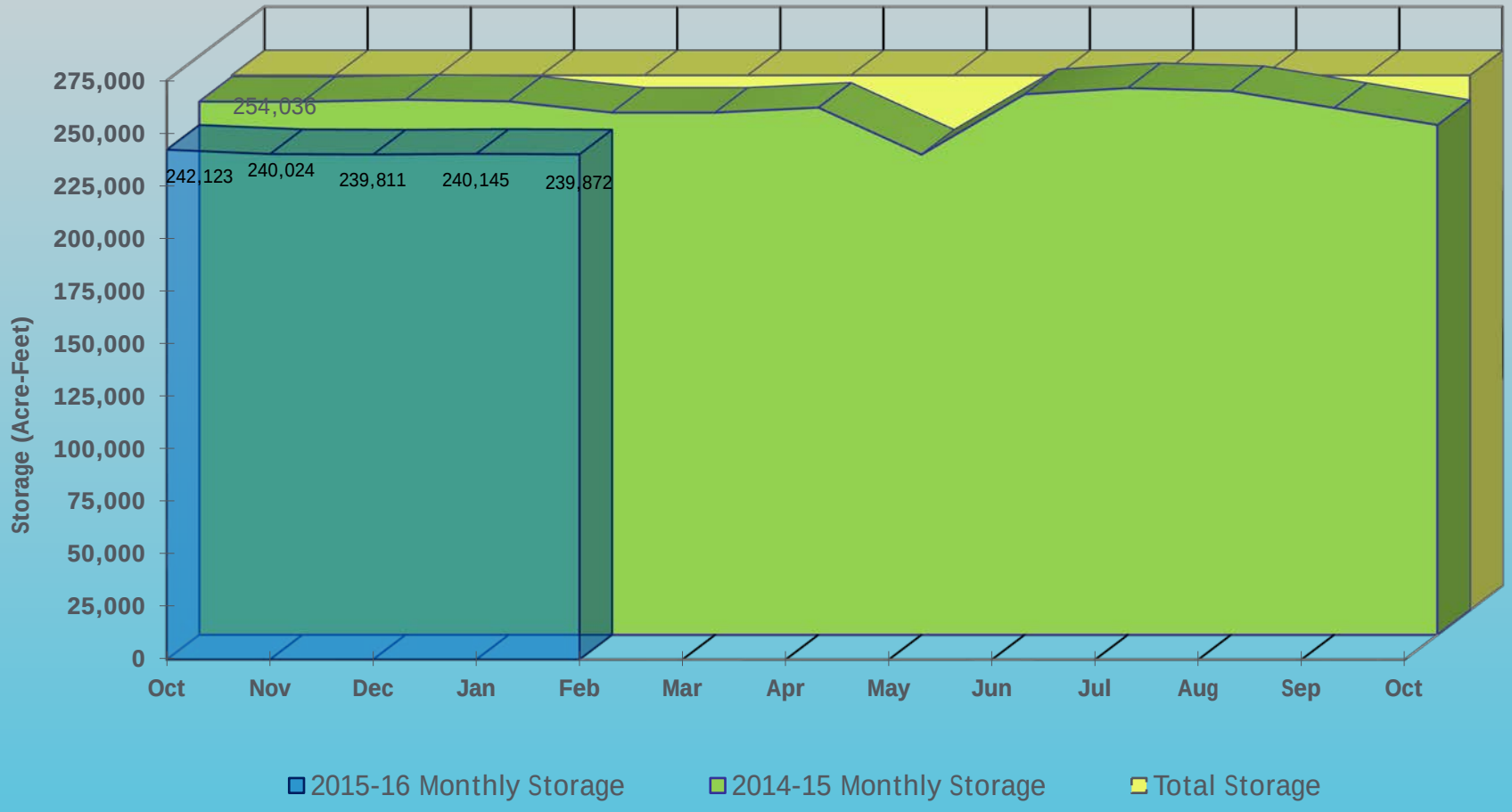
Dillon Reservoir
(District 1 - Municipal)



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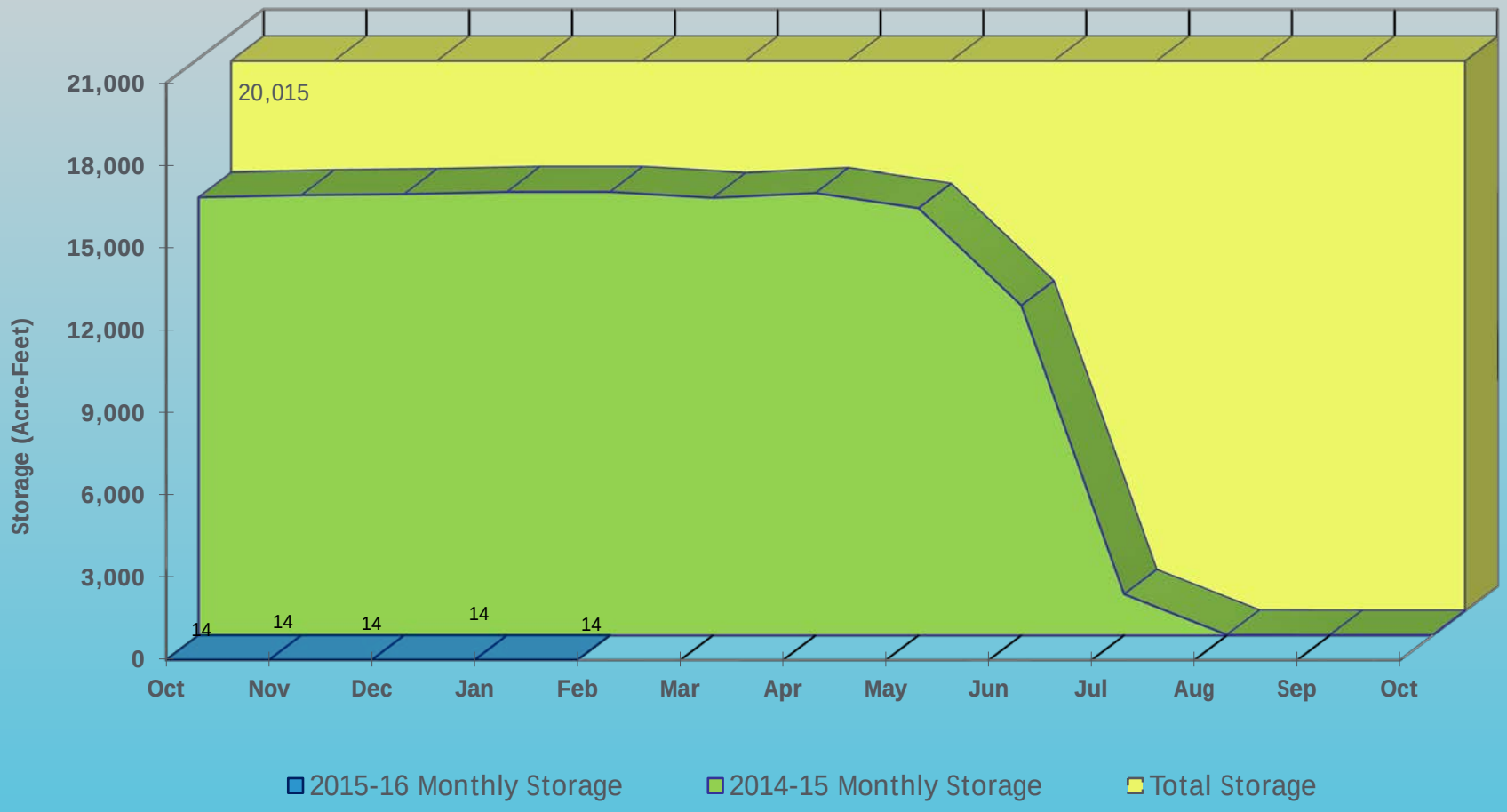
Antero Reservoir
(District 23 - Municipal)



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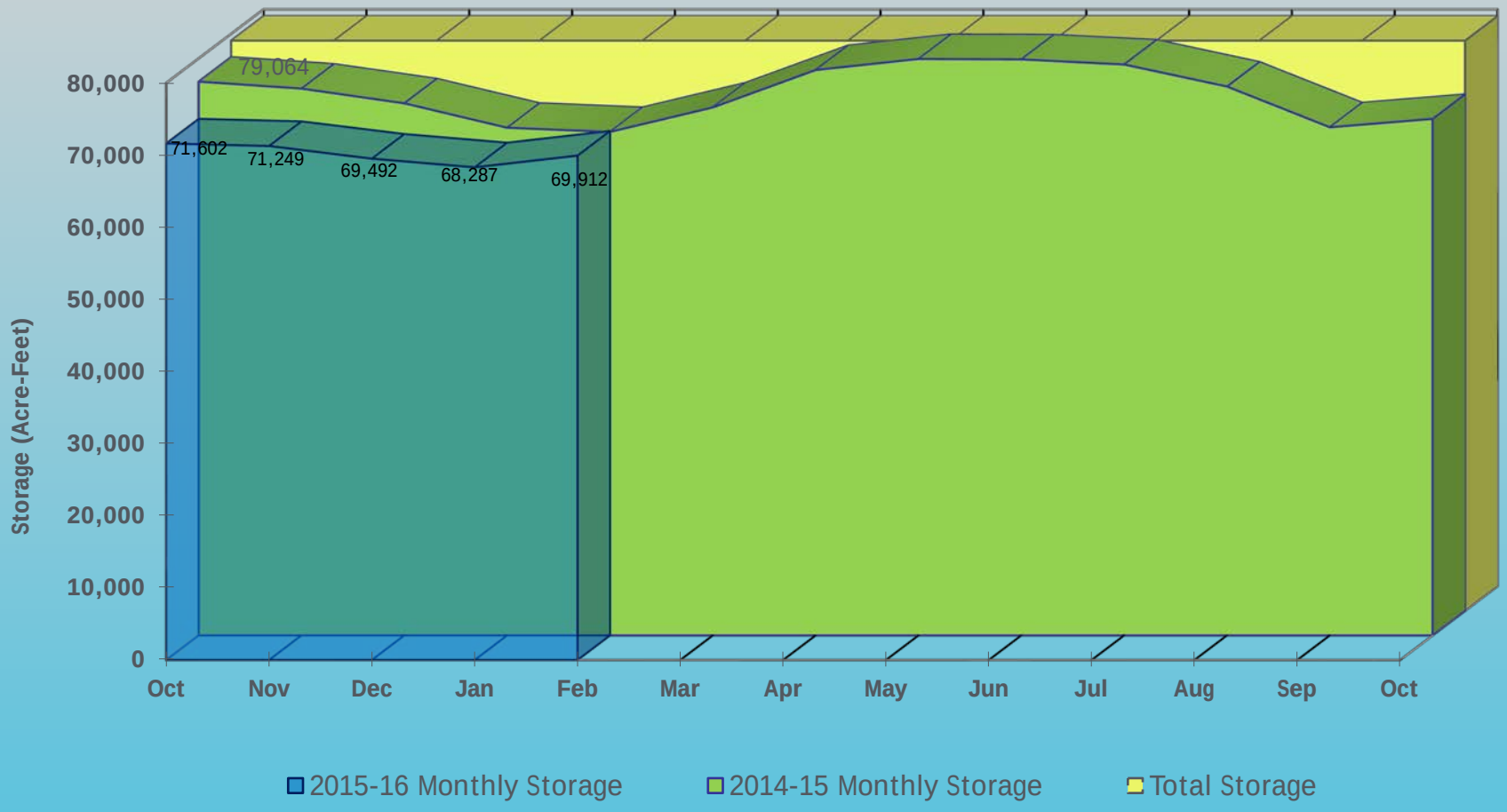
Cheesman Reservoir
(District 80 - Municipal)



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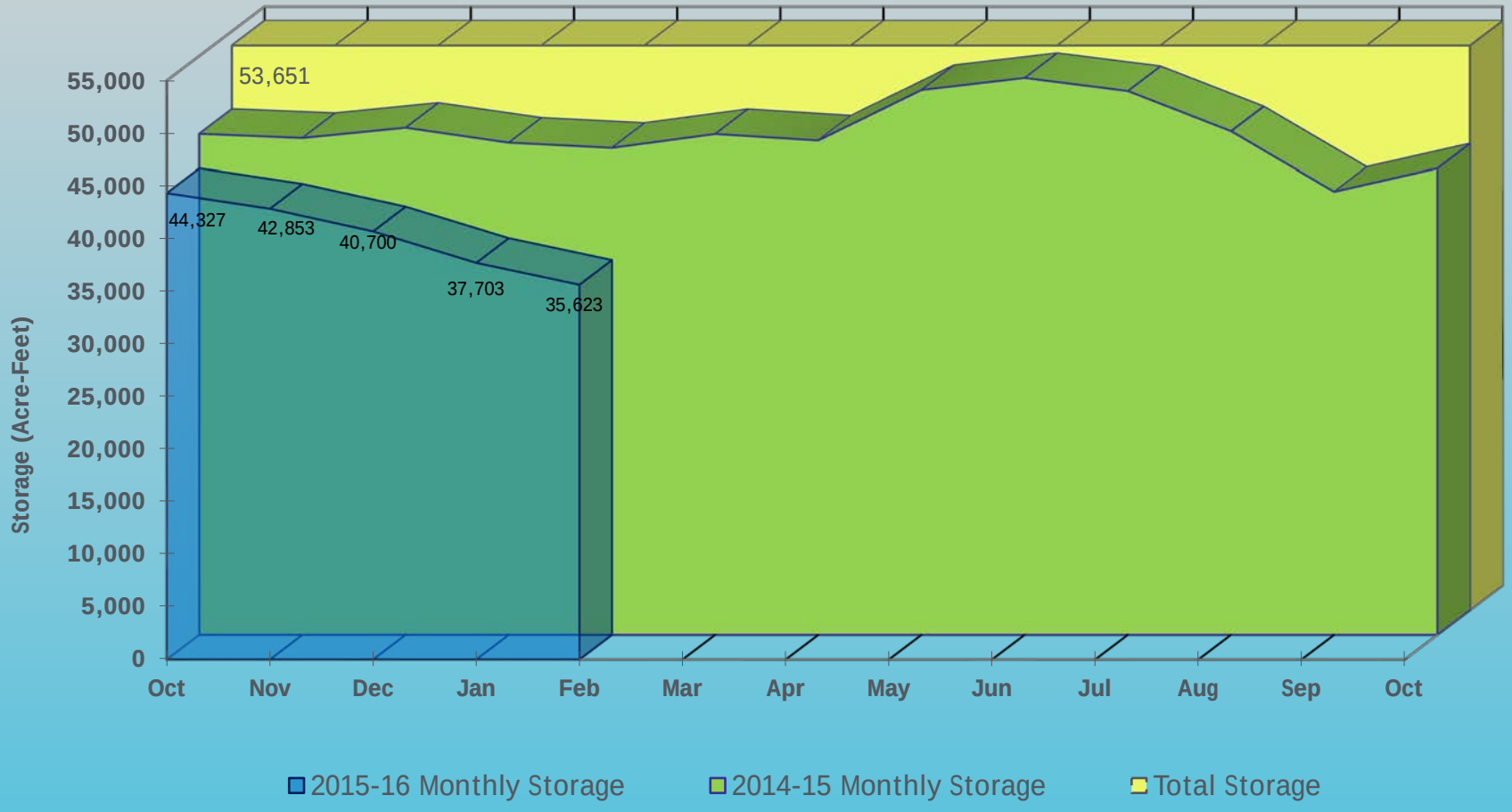
Spinney Mountain Reservoir (District 23 - Municipal)



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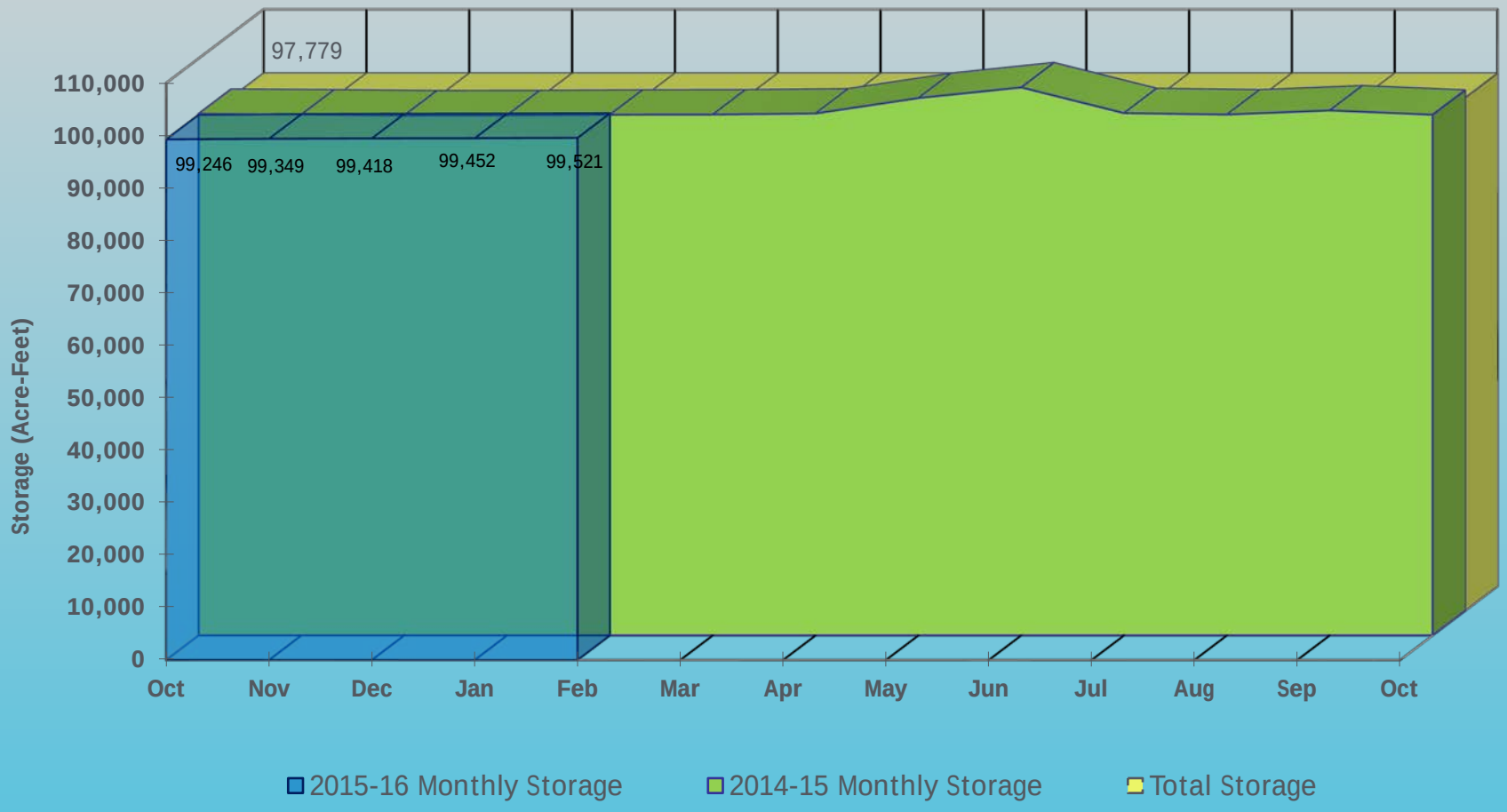
Eleven Mile Reservoir
(District 23 - Municipal)



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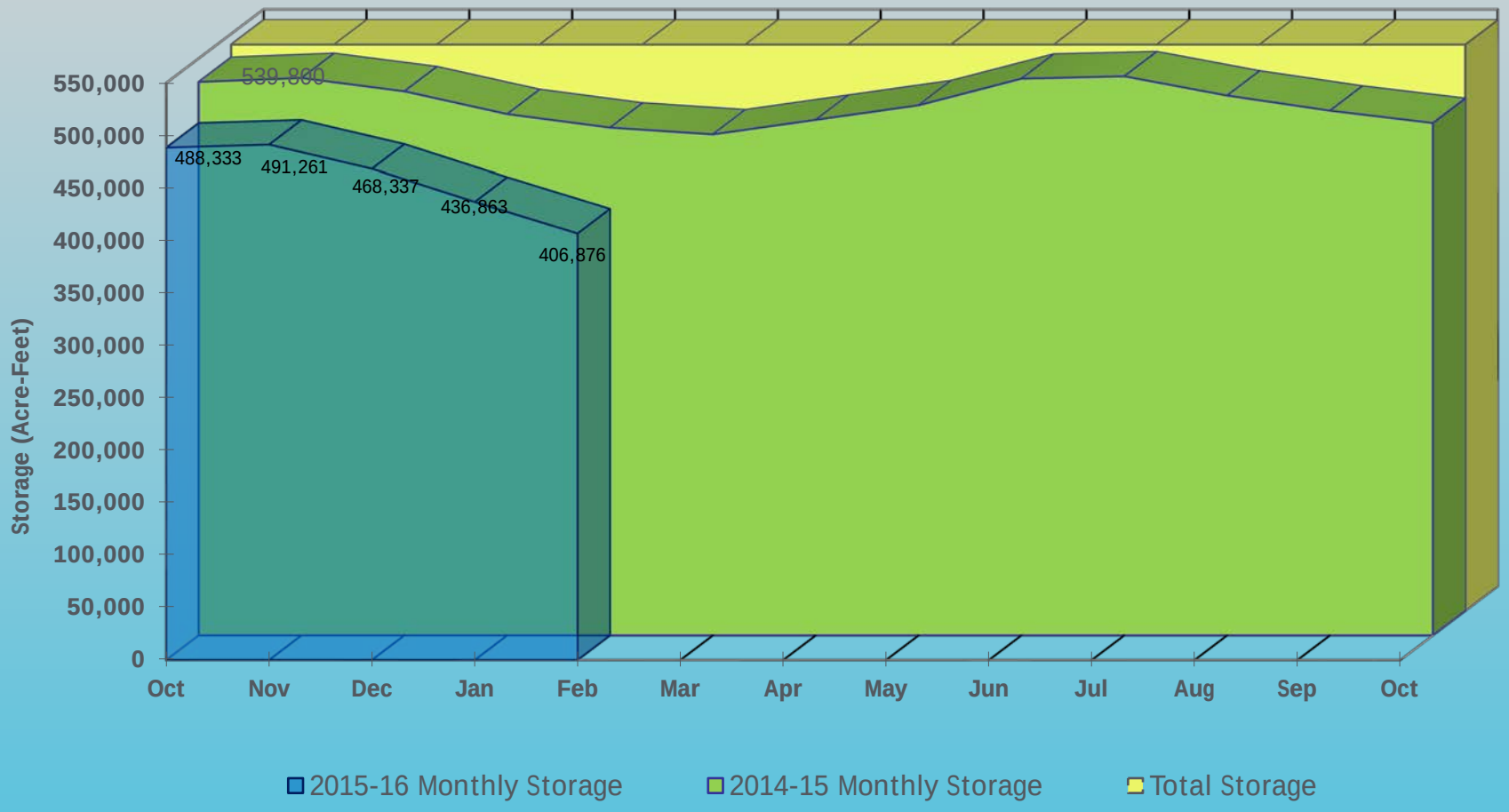
Lake Granby



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All data is collected by the personnel of Division 1 and is subject to revision.