COLORADO Department of Natural Resources

South Platte Summary
April 2018

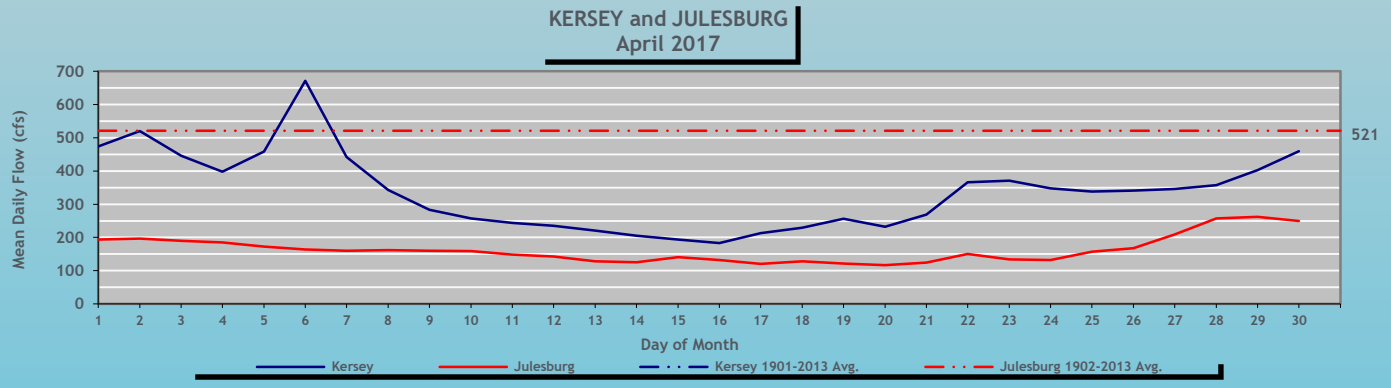
Compiled by Lee Cunning, P.E.

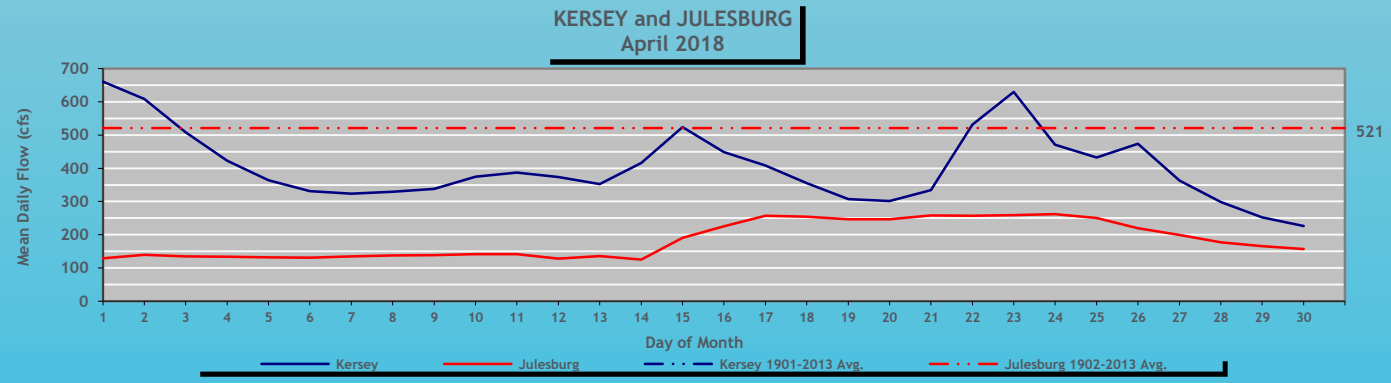
COLORADO DIVISION OF WATER RESOURCES, DIVISION 1

MONTH OF April 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	20,651	20,503	64	-148	-1%	90%	90%	0
N STERLING	73,730	69,011	70,587	64	1,576	2%	96%	95%	0
PREWITT	28,500	23,333	24,597	64	1,264	5%	86%	86%	0
JACKSON	27,257	25,841	26,057	1	216	1%	96%	96%	0
EMPIRE	37,700	36,398	35,425	1	-973	-3%	94%	93%	0
RIVERSIDE	63,113	55,424	52,795	1	-2,629	-5%	84%	85%	0
BARR LAKE	32,152	29,841	29,629	2	-212	-1%	92%	89%	0
CHEESMAN	79,064	64,325	67,293	80	2,968	5%	85%	94%	0
ELEVEN MILE	97,779	99,589	99,280	23	-309	0%	100%	100%	1,501
SPINNEY	53,651	39,061	37,822	23	-1,239	-3%	70%	61%	0
ANTERO	20,015	20,144	19,970	23	-174	-1%	100%	79%	0

RIVER GAGES	MEAN DAILY FLOW (CFS)
KERSEY	405
JULESBURG	184
THIS MONTH LAST YEAR	
KERSEY	337
JULESBURG	163
MEAN FOR PERIOD OF RECORD*	
KERSEY	863
JULESBURG	521





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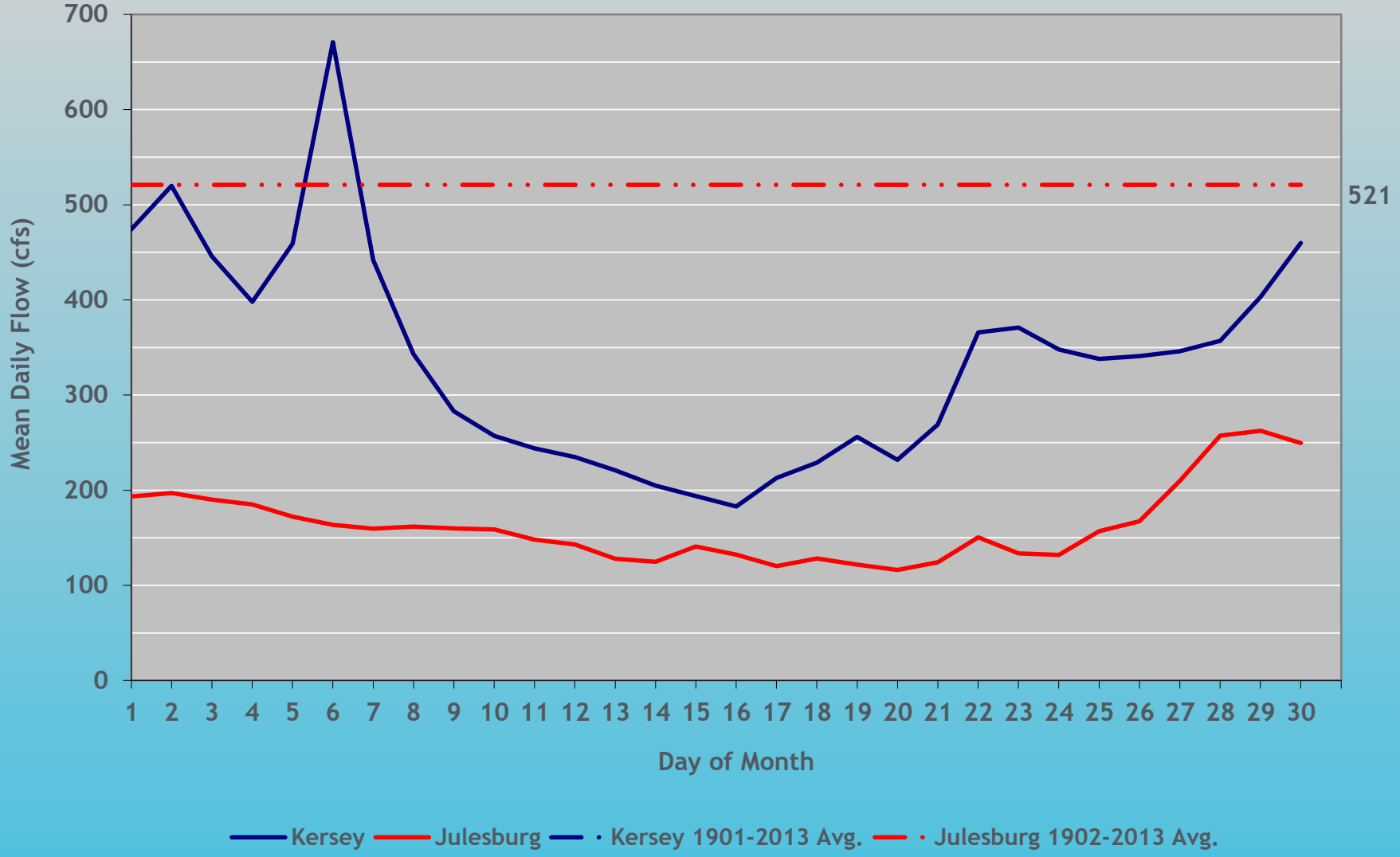
KERSEY and JULESBURG
April 2017



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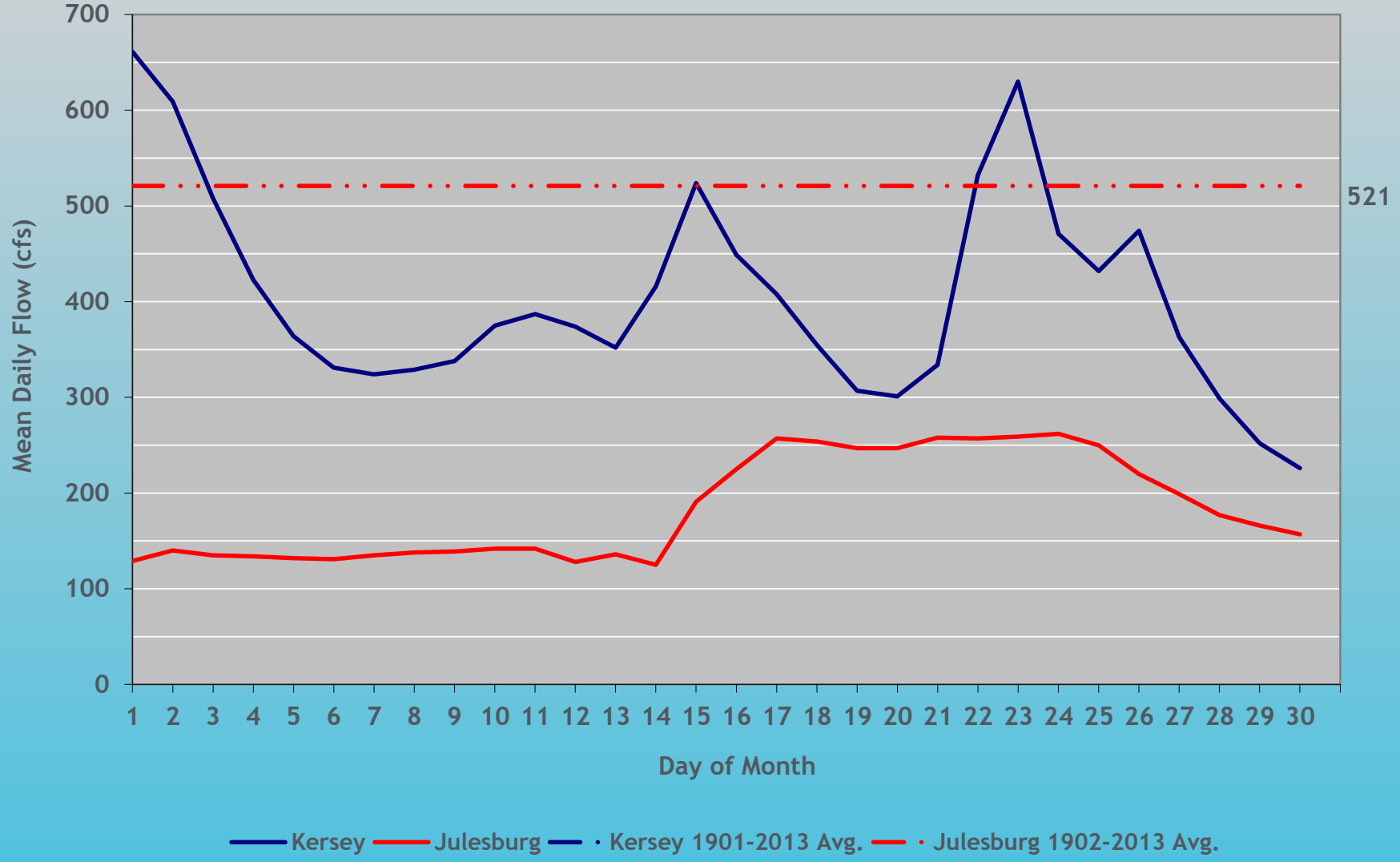
KERSEY and JULESBURG
April 2018



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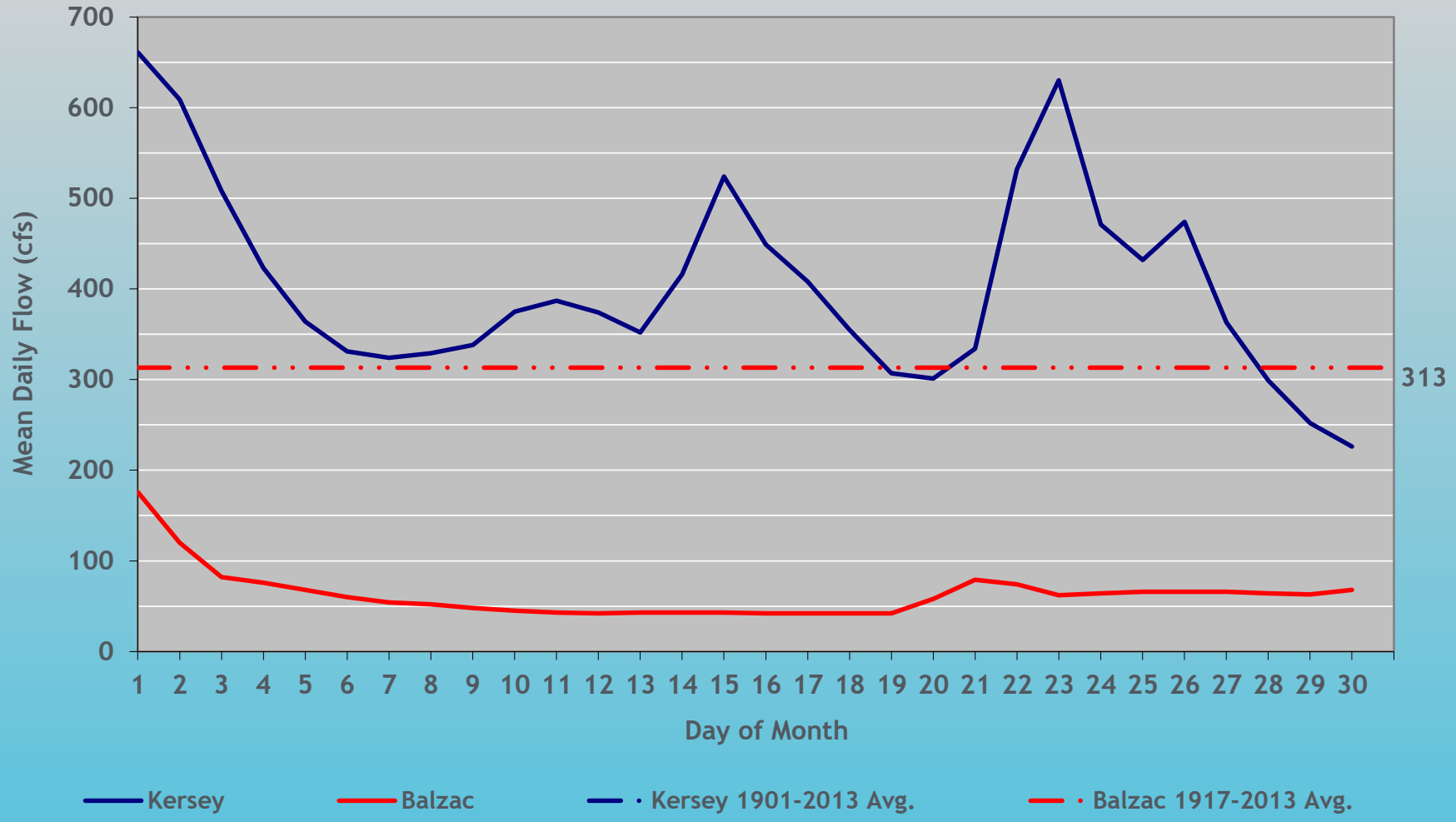
KERSEY and BALZAC
April 2018



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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 2018 Mean Monthly Flow
Oct	667	6180	1984	66	1954	532
Nov	747	3650	1984	70	1934	764
Dec	685	1890	1961	91	1934	934
Jan	652	2160	1974	158	1935	848
Feb	671	3060	1914	152	1935	681
Mar	688	3470	1983	80	1935	695
Apr	842	18100	1942	28	1955	405
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	

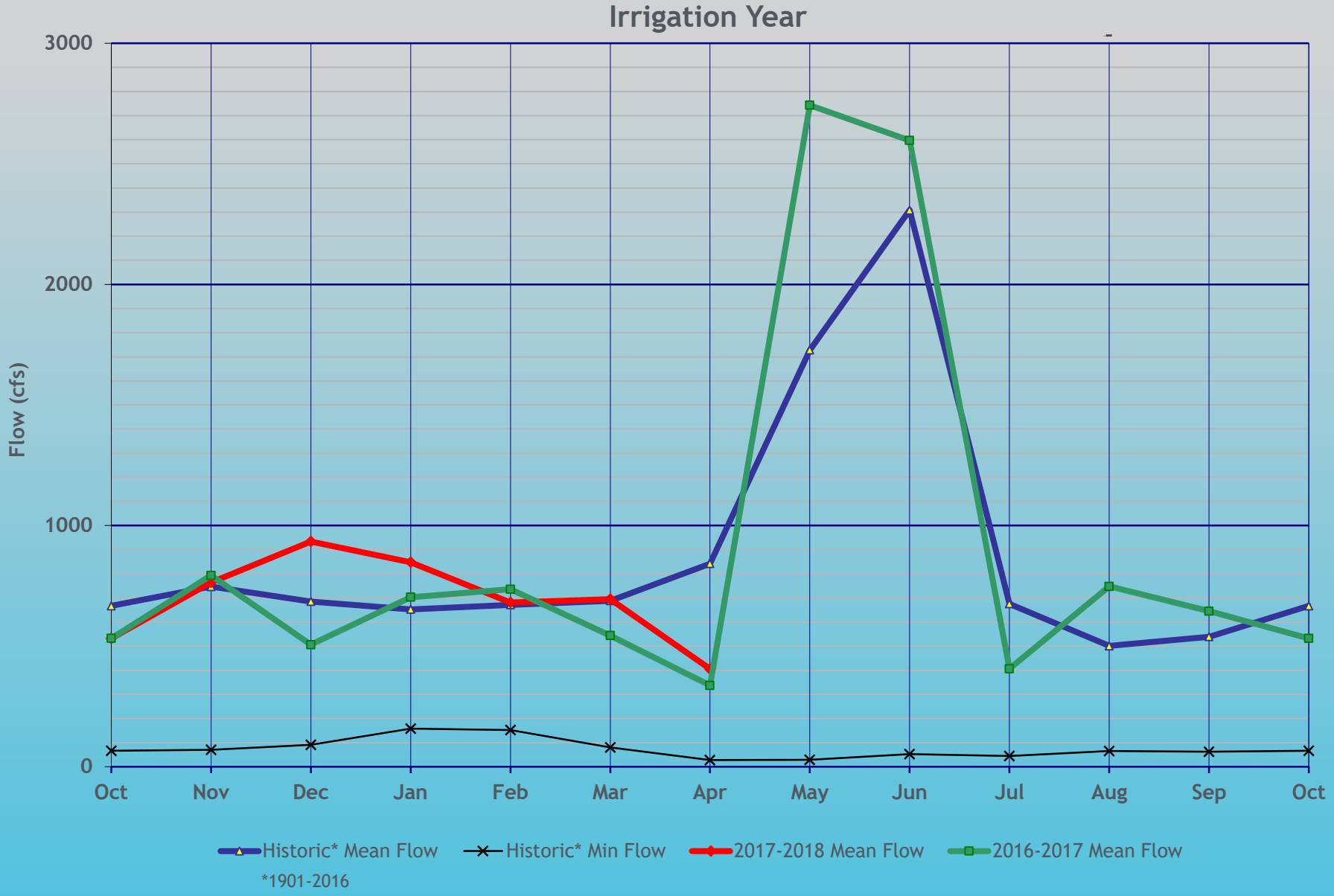
*Period of record 1902-2016

South Platte River at Julesburg

Month	Historic* Mean Flow	Historic* Max Flow	Year	Historic* Min Flow	Year	IY 2018 Mean Monthly Flow
Oct	299	3130	1984	4.2	1903	134
Nov	335	2900	1984	4.2	1903	347
Dec	401	1820	1984	13	2002	383
Jan	512	2510	1970	21	2003	887
Feb	578	3220	1930	29	2005	591
Mar	512	12900	1910	15	1904	174
Apr	514	14400	1942	4.0	1904	63
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 1902-2016

South Platte River at Kersey



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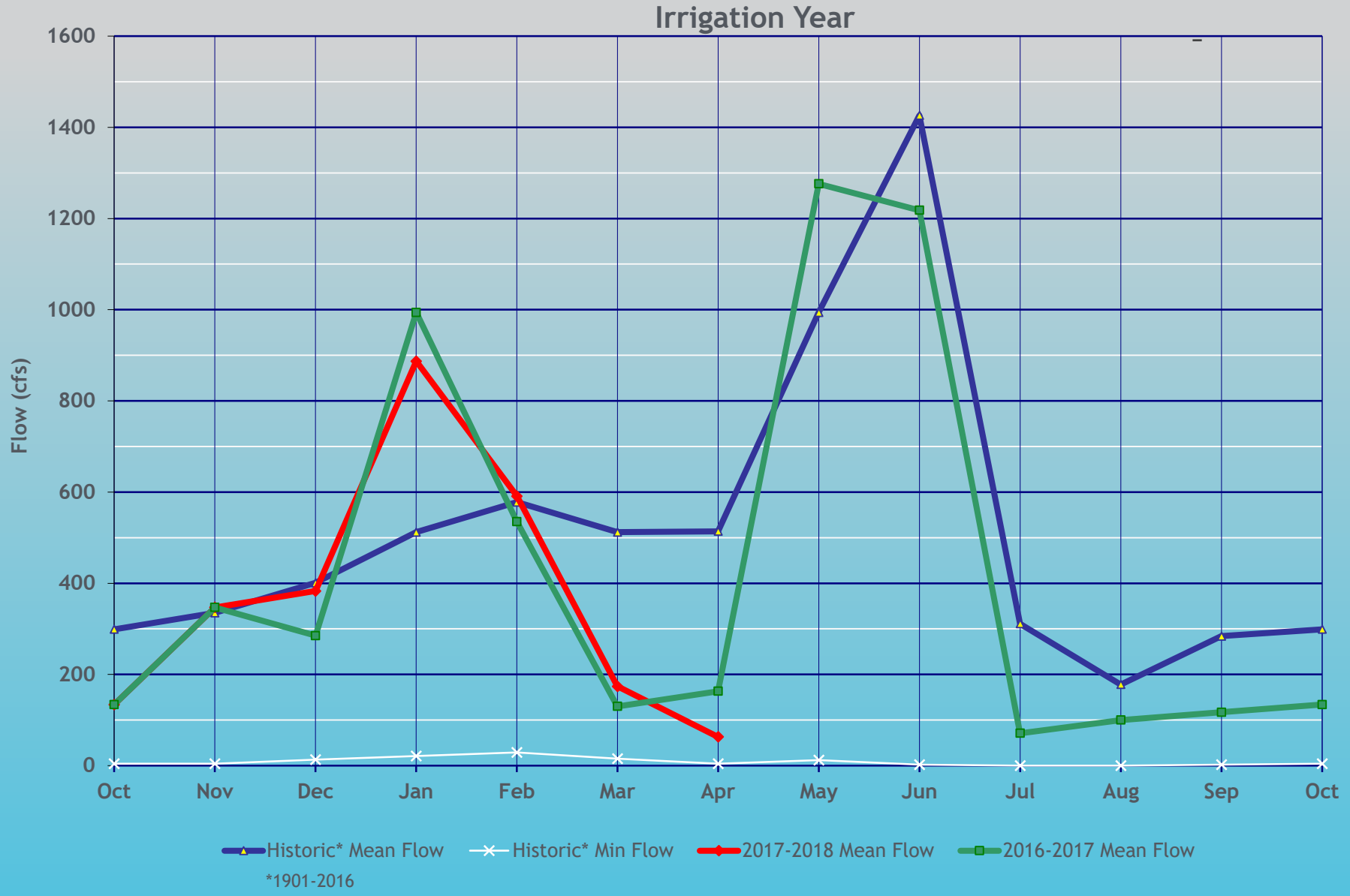
South Platte River at Julesburg



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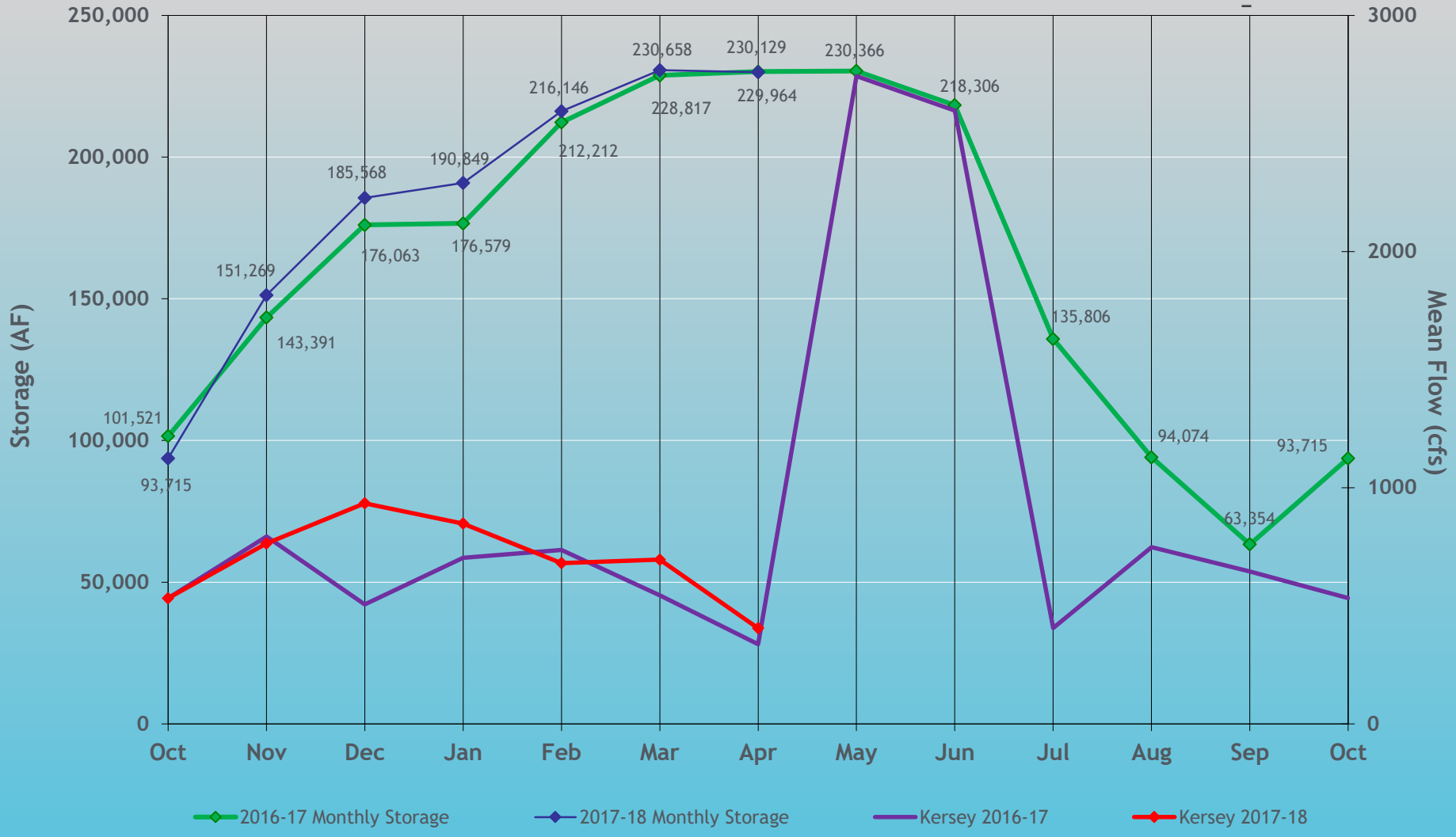
Next three slides show Reservoir Storage above and below Kersey

Reservoir Storage below Kersey

Selected Reservoirs*



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

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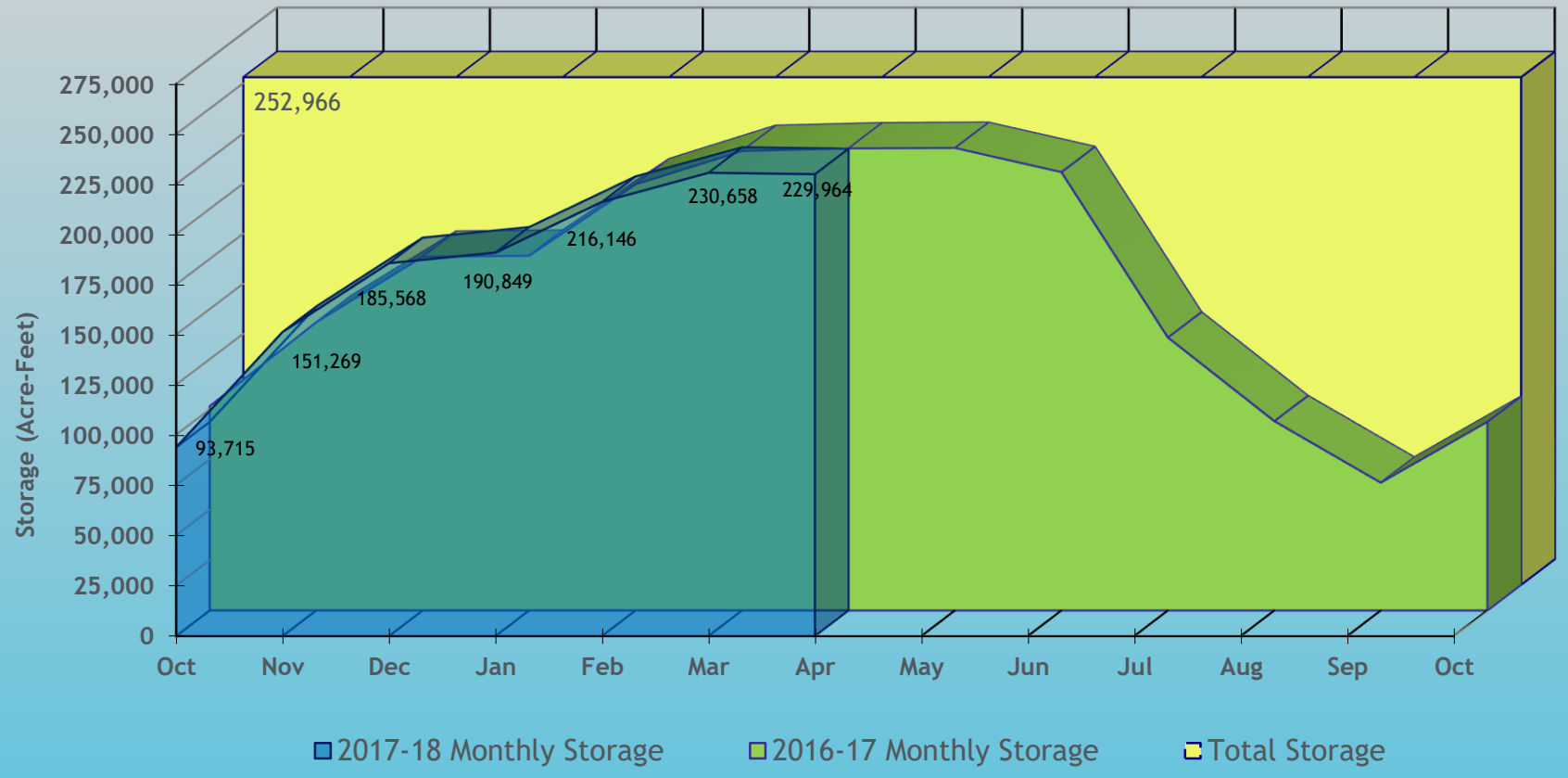
South Platte Reservoir Storage below Kersey*



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

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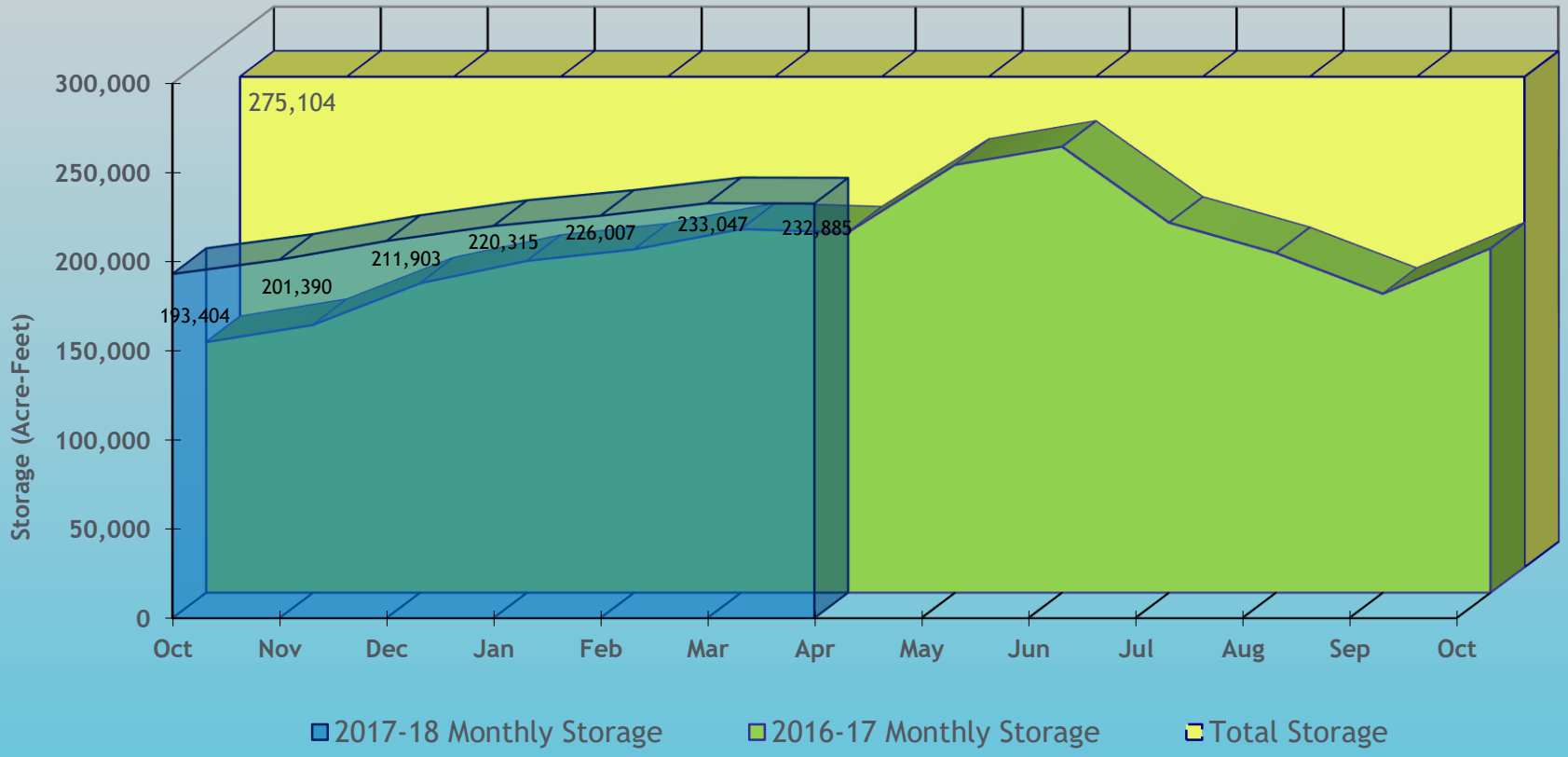
South Platte Reservoir Storage above Kersey*



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

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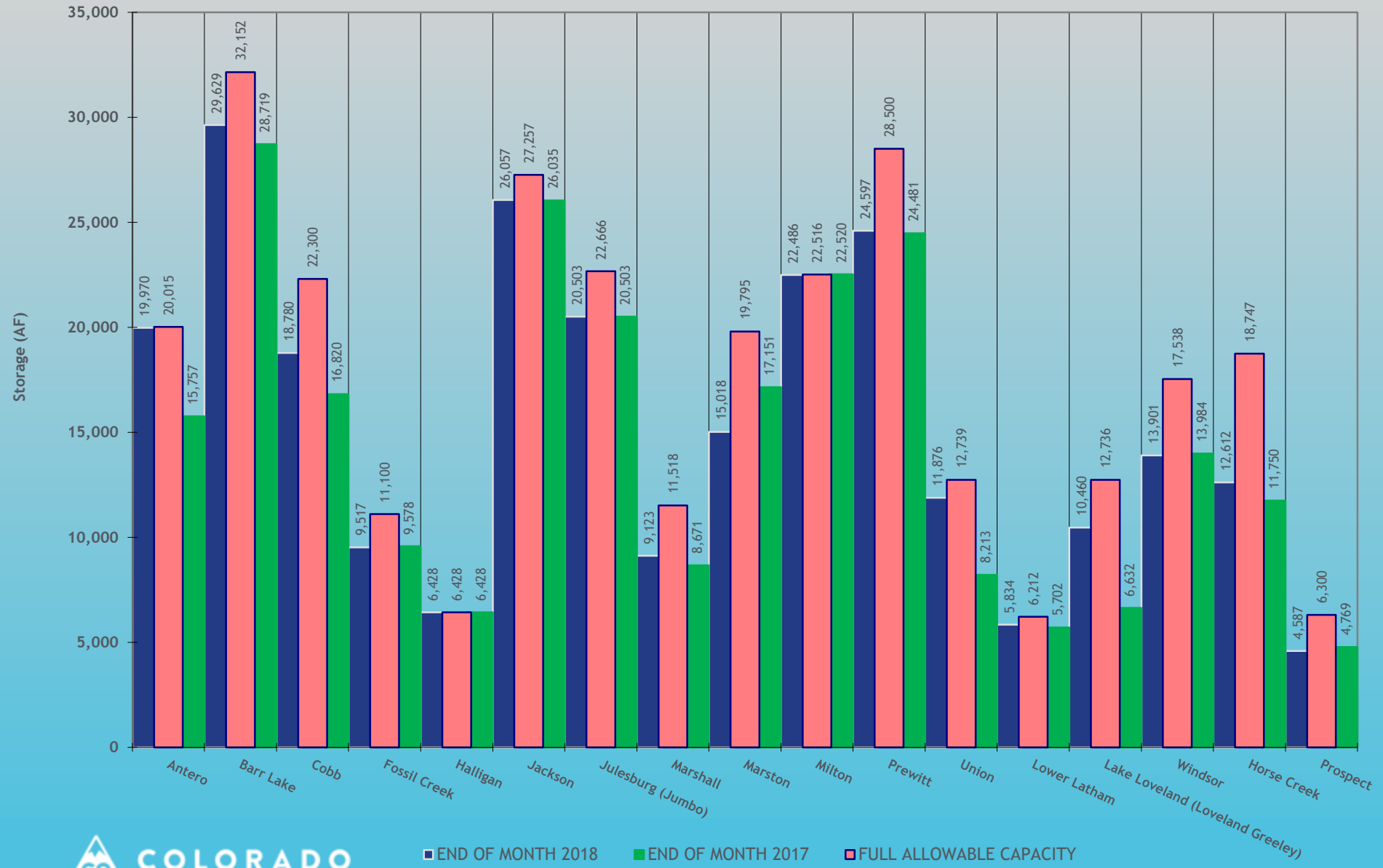
Individual Reservoir Storage Follows

April Reservoir Change in Storage
IY2017 versus IY2018



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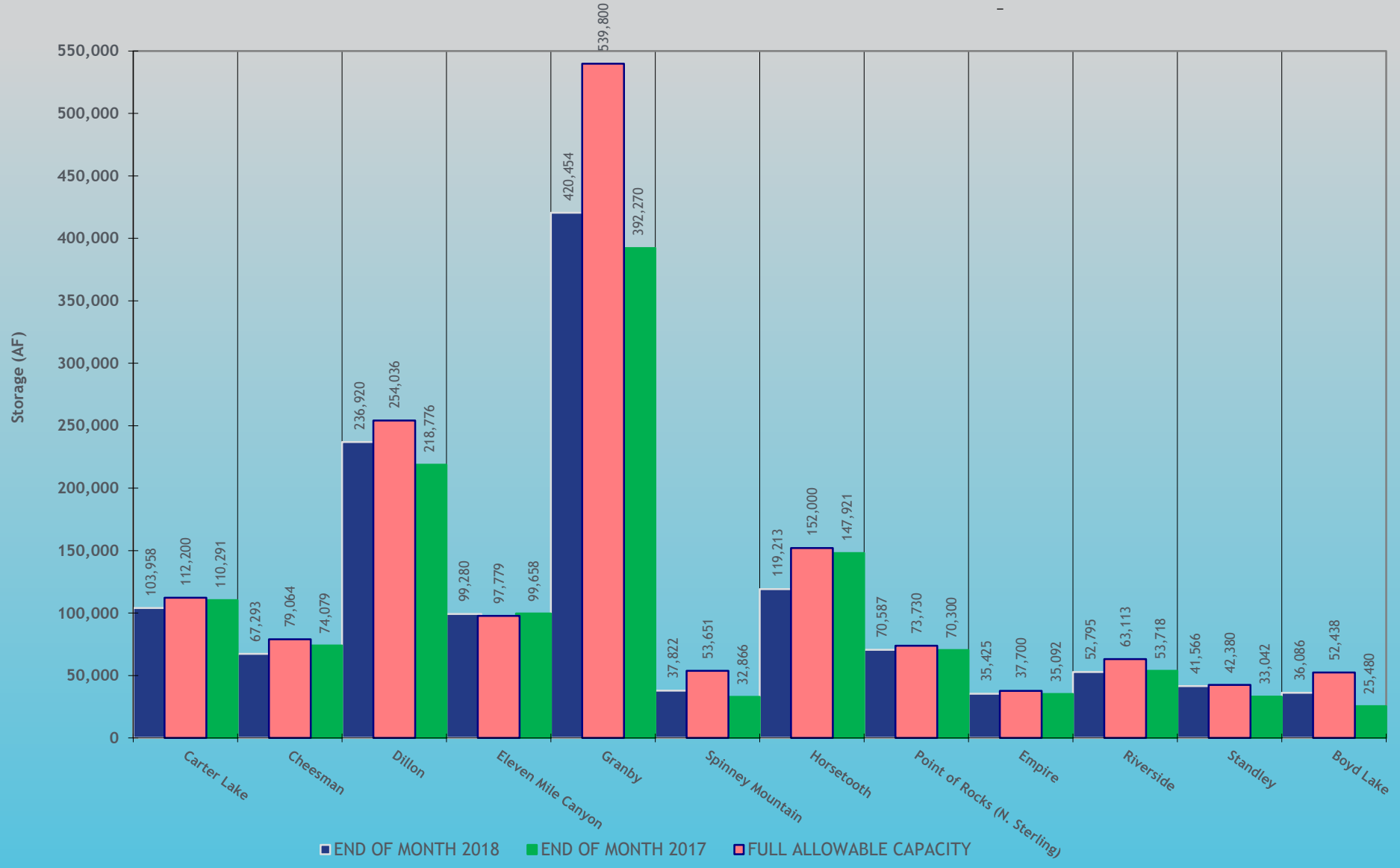
April Reservoir Change in Storage
IY2017 versus IY2018



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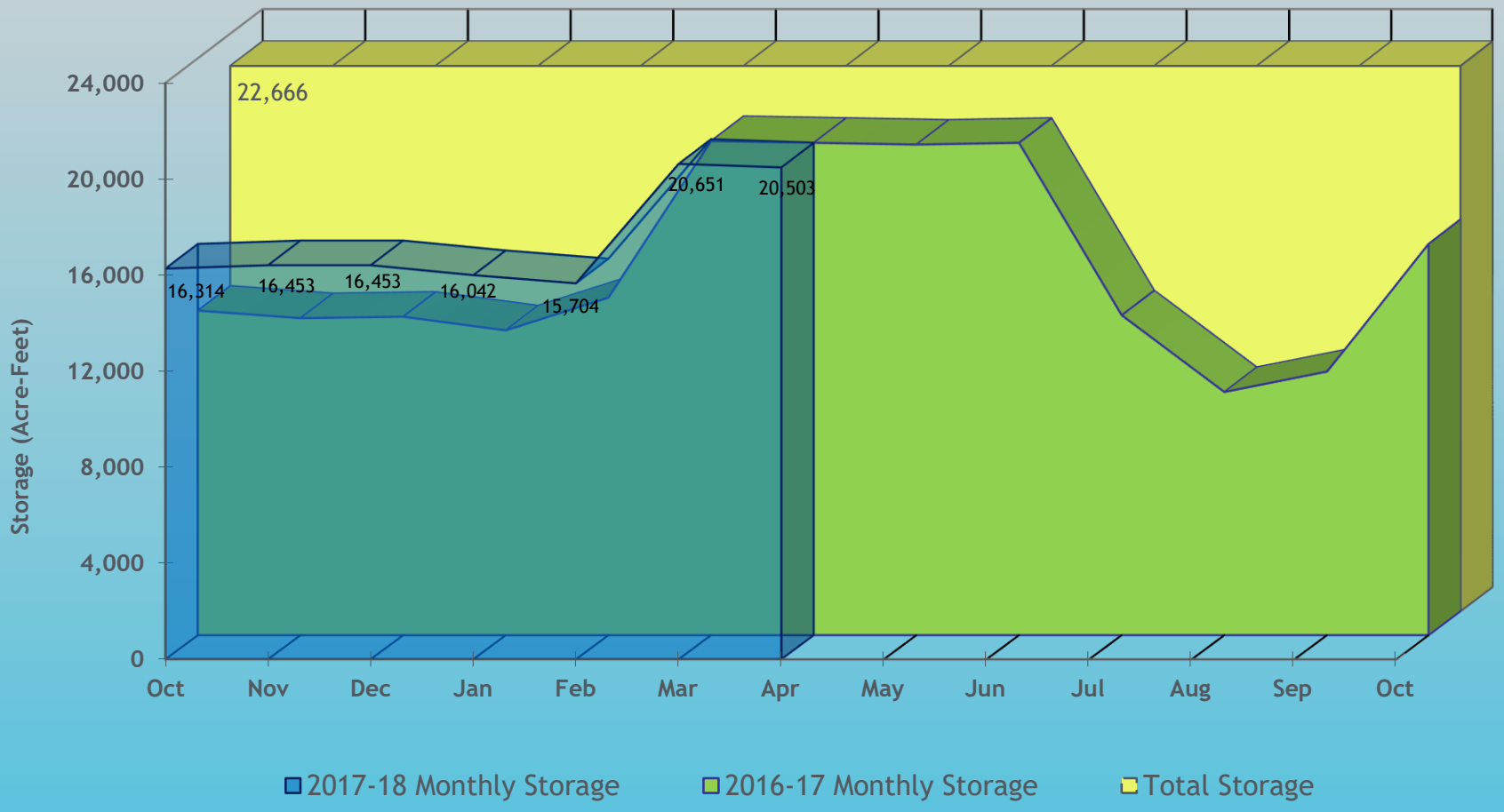
Julesburg Reservoir
(District 64 - Agricultural)



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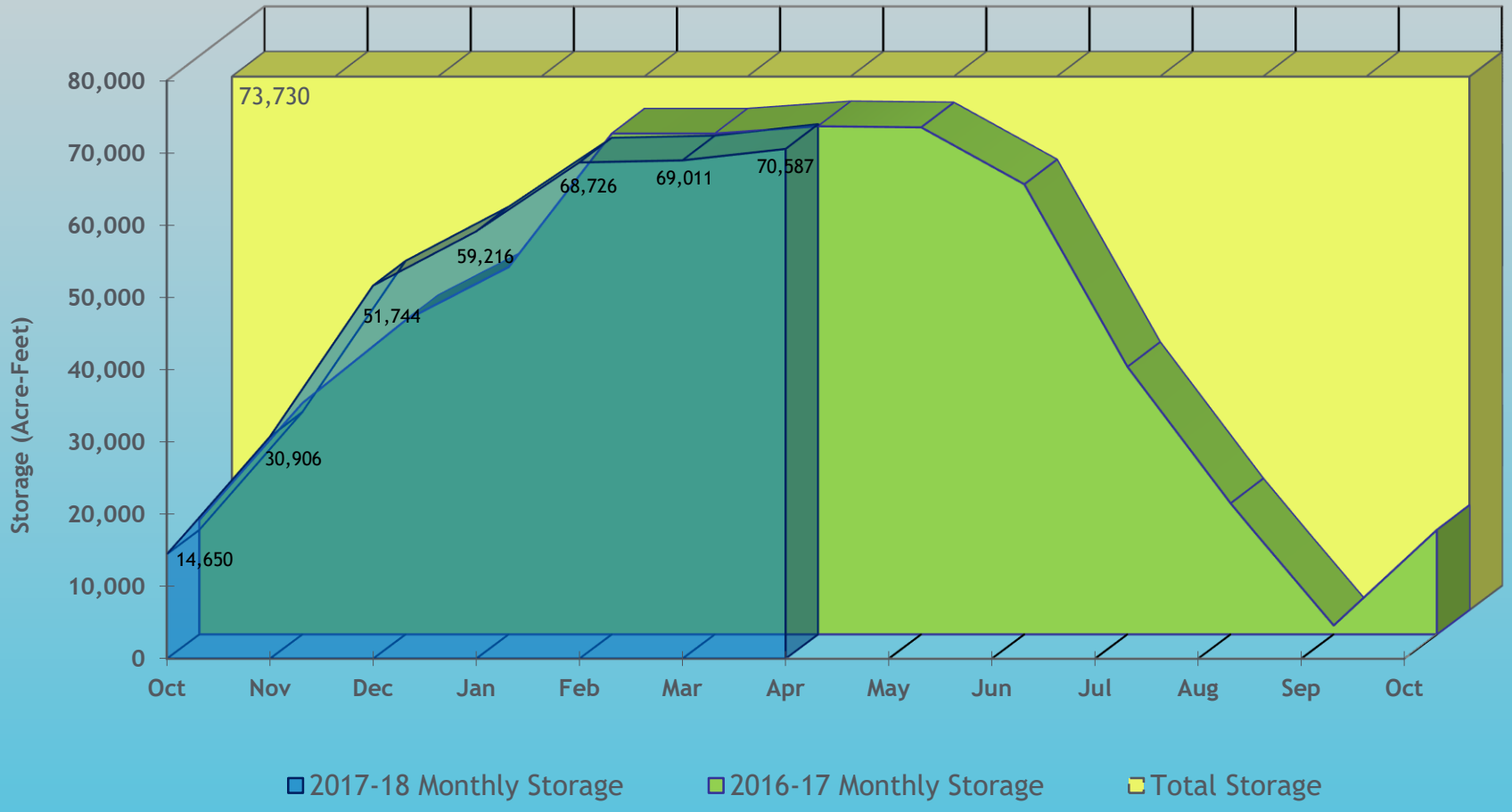
North Sterling Reservoir (District 64 - Agricultural)



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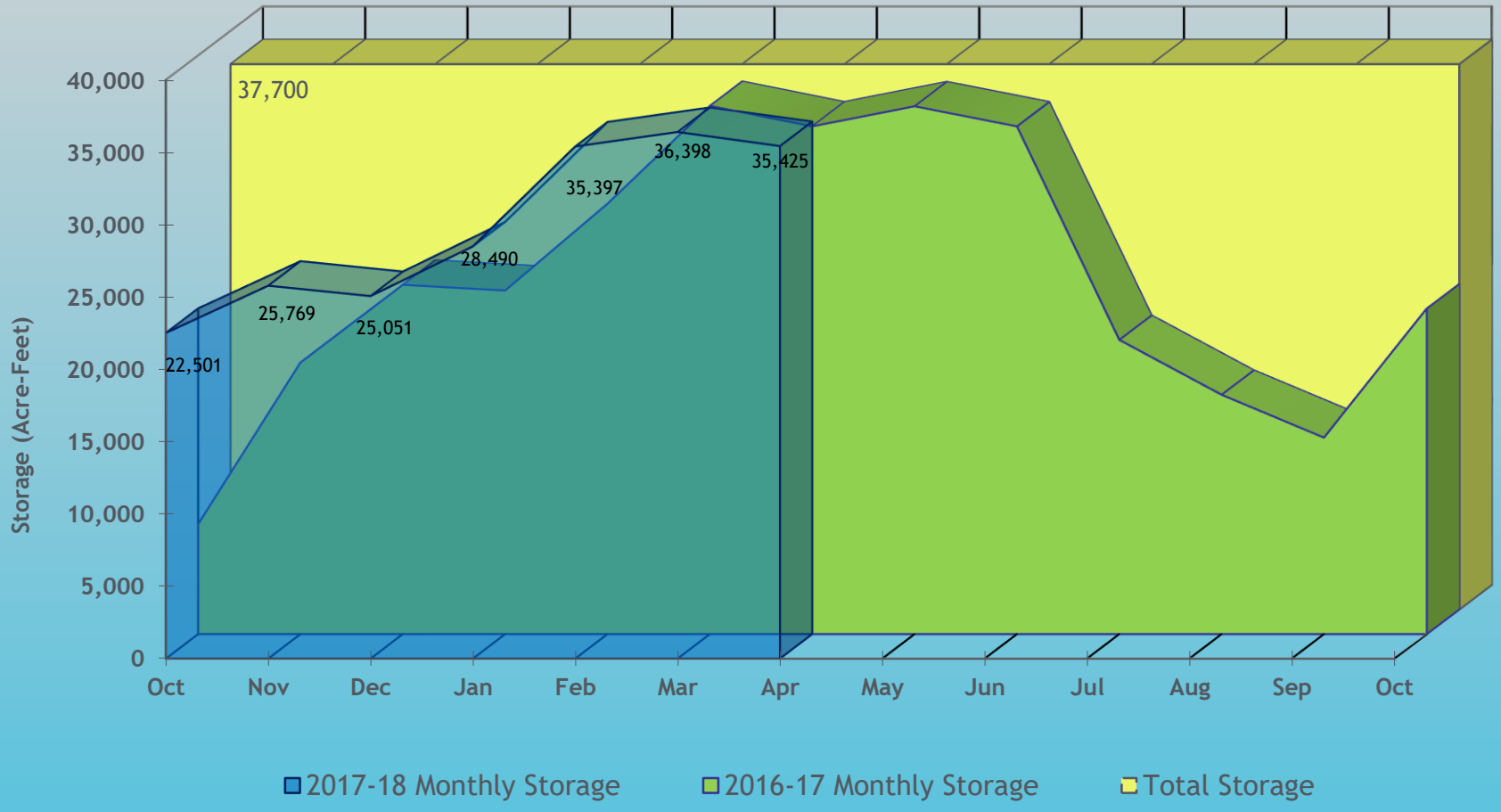
Empire Reservoir
(District 1 - Agricultural)



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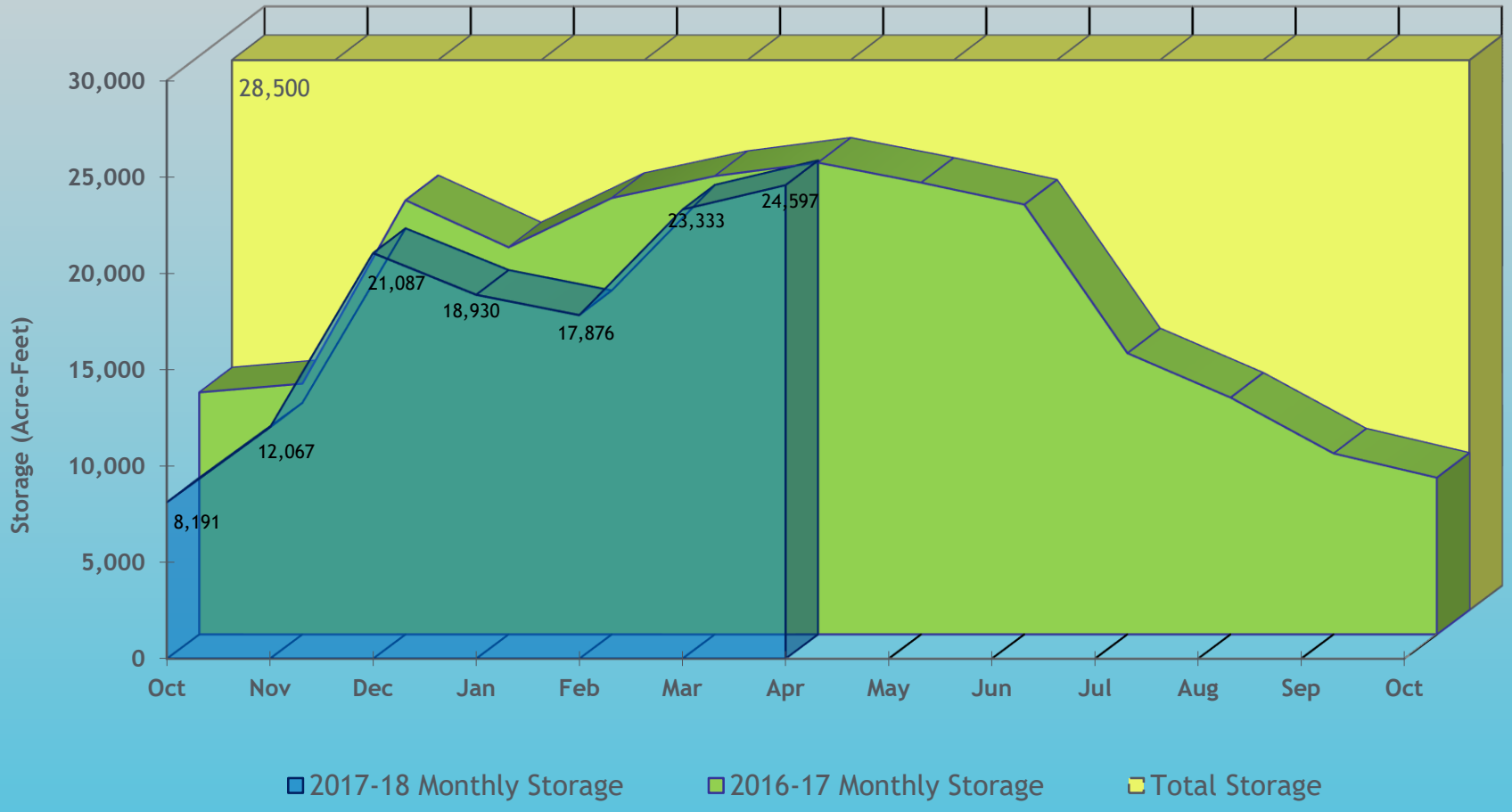
Prewitt Reservoir
(District 64 - Agricultural)



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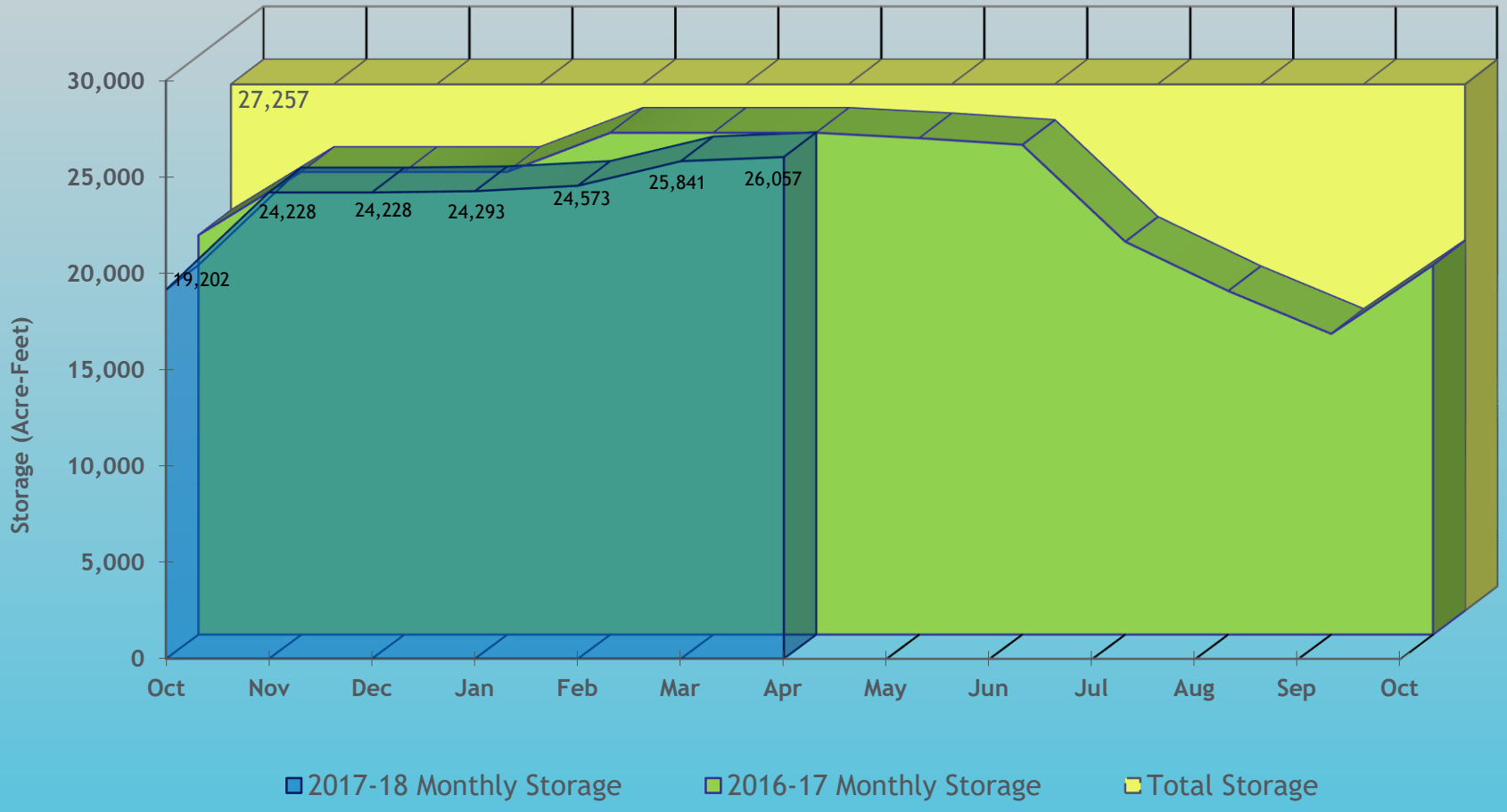
Jackson Reservoir
(District 1 - Agricultural)



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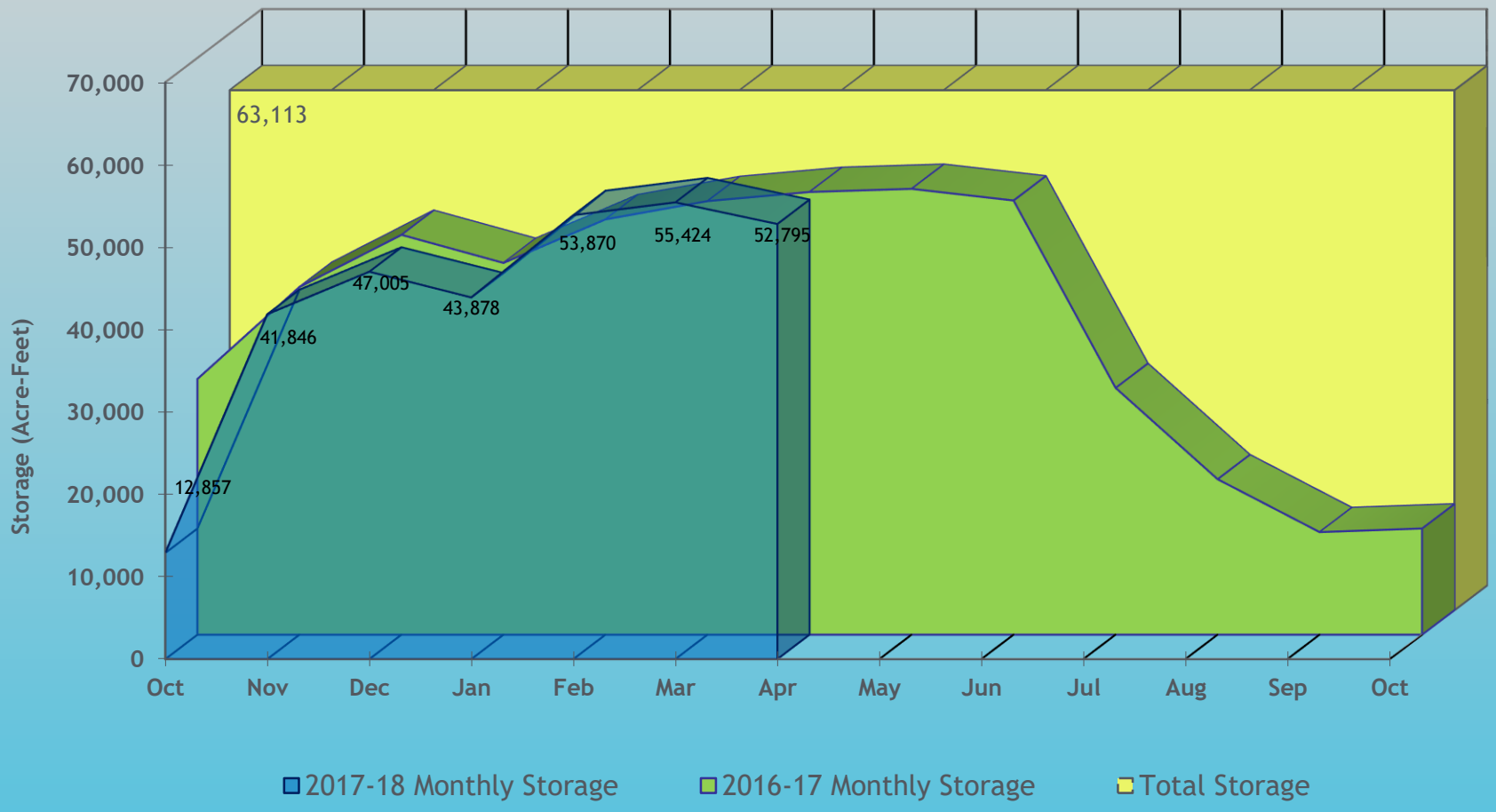
Riverside Reservoir
(District 1 - Agricultural)



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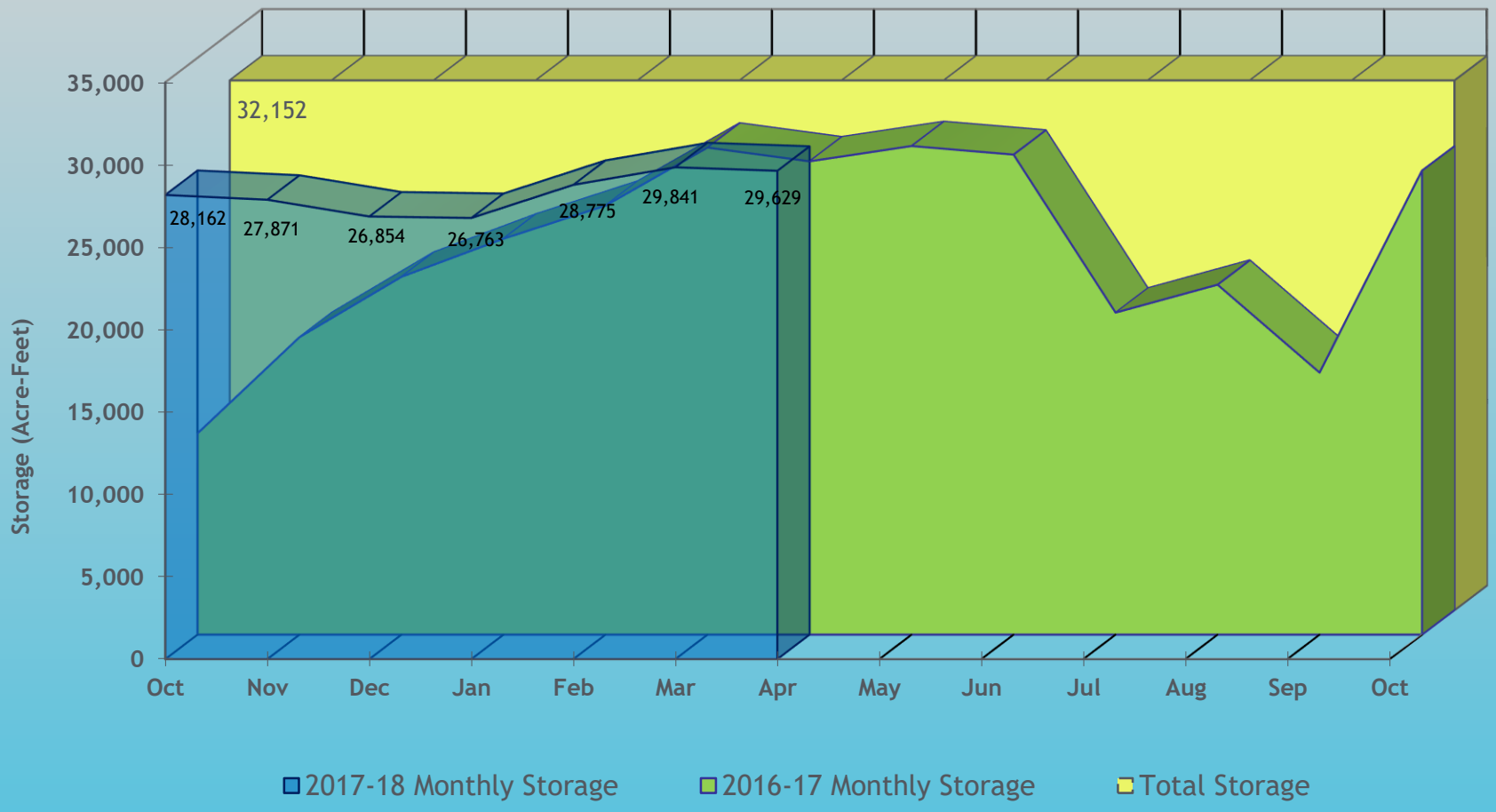
Barr Reservoir
(District 2 - Agricultural)



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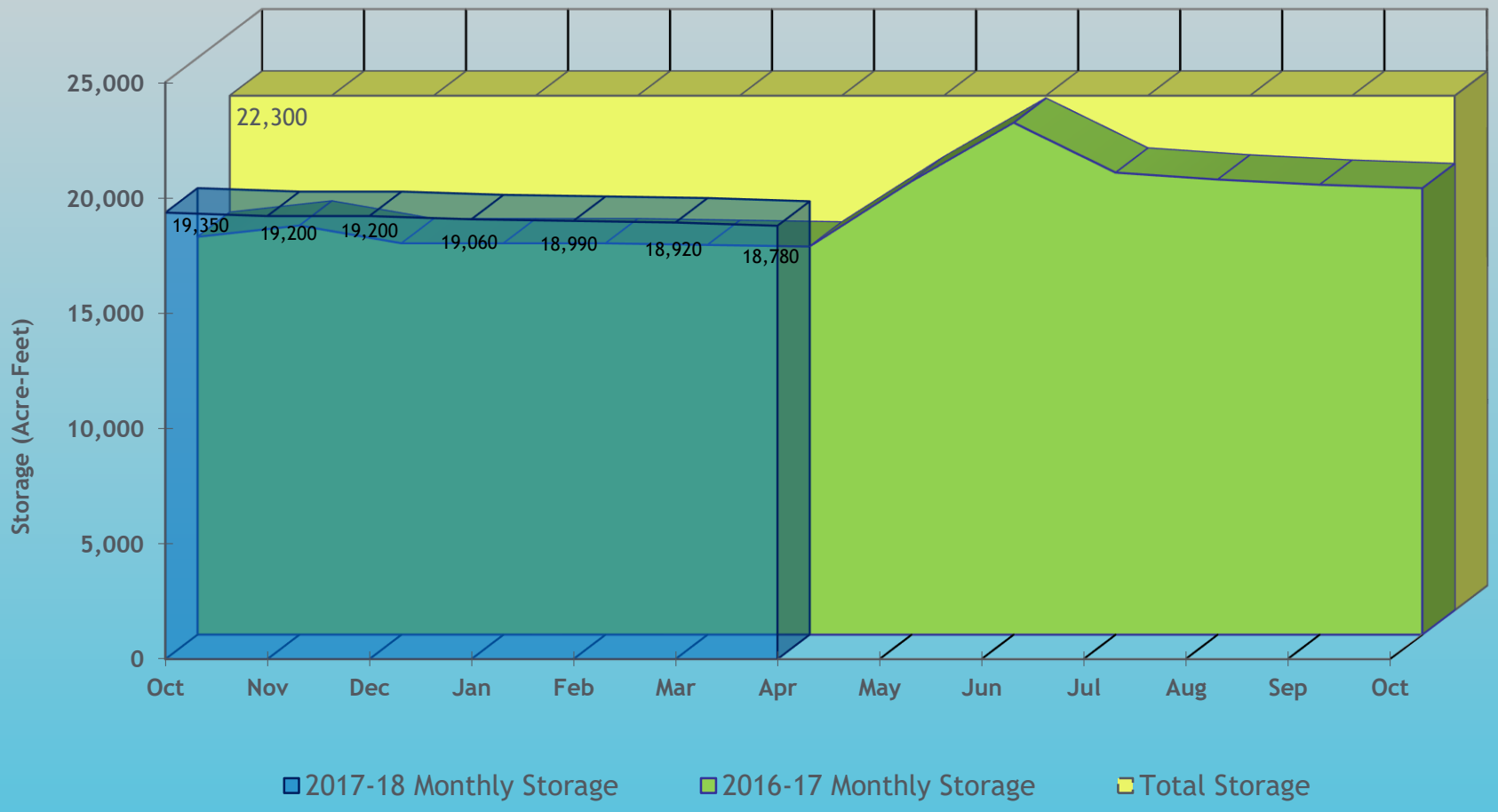
Cobb Reservoir
(District 3, Poudre River - Agricultural)



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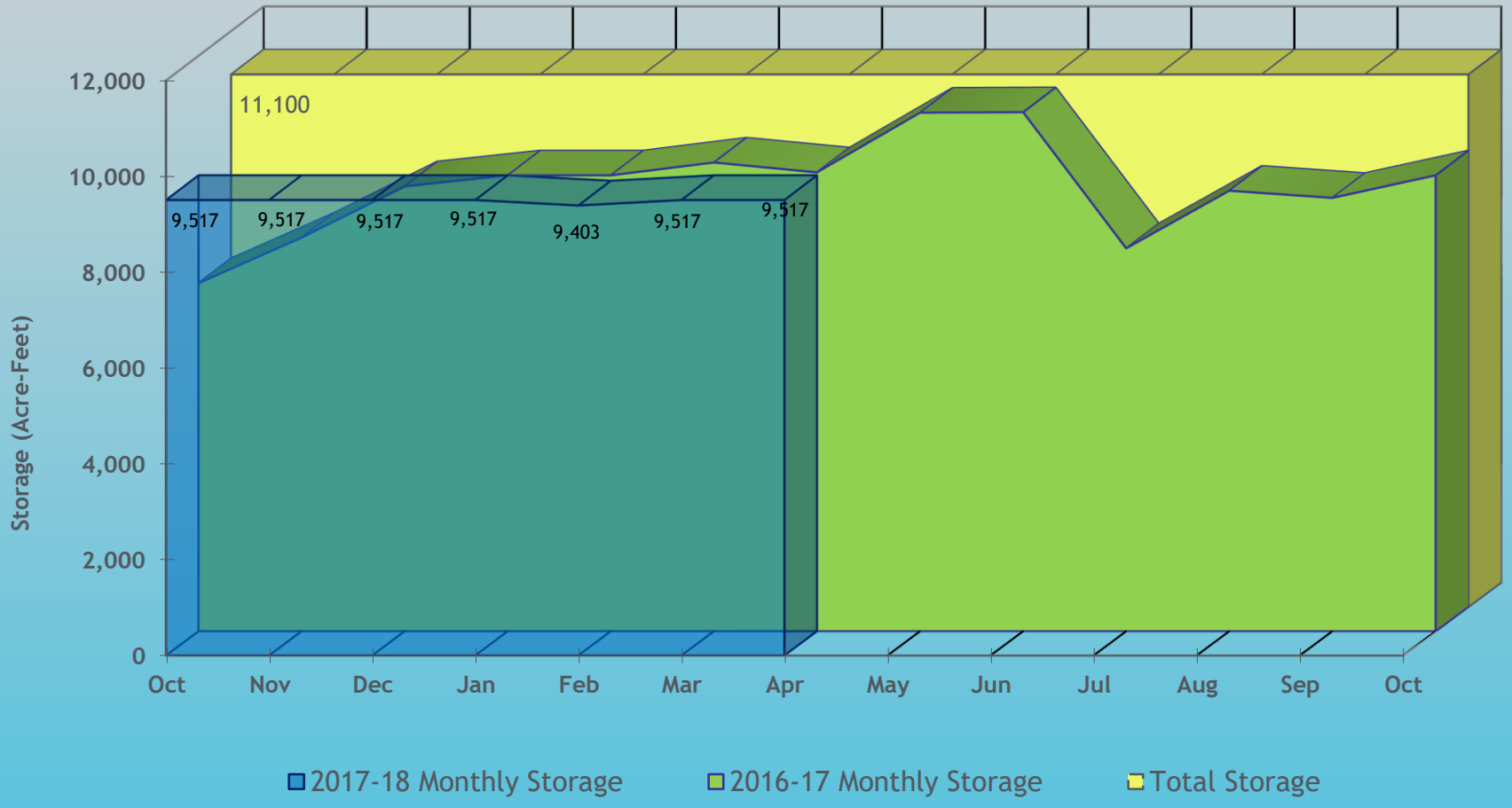
Fossil Creek Reservoir
(District 3, Poudre River - Agricultural)



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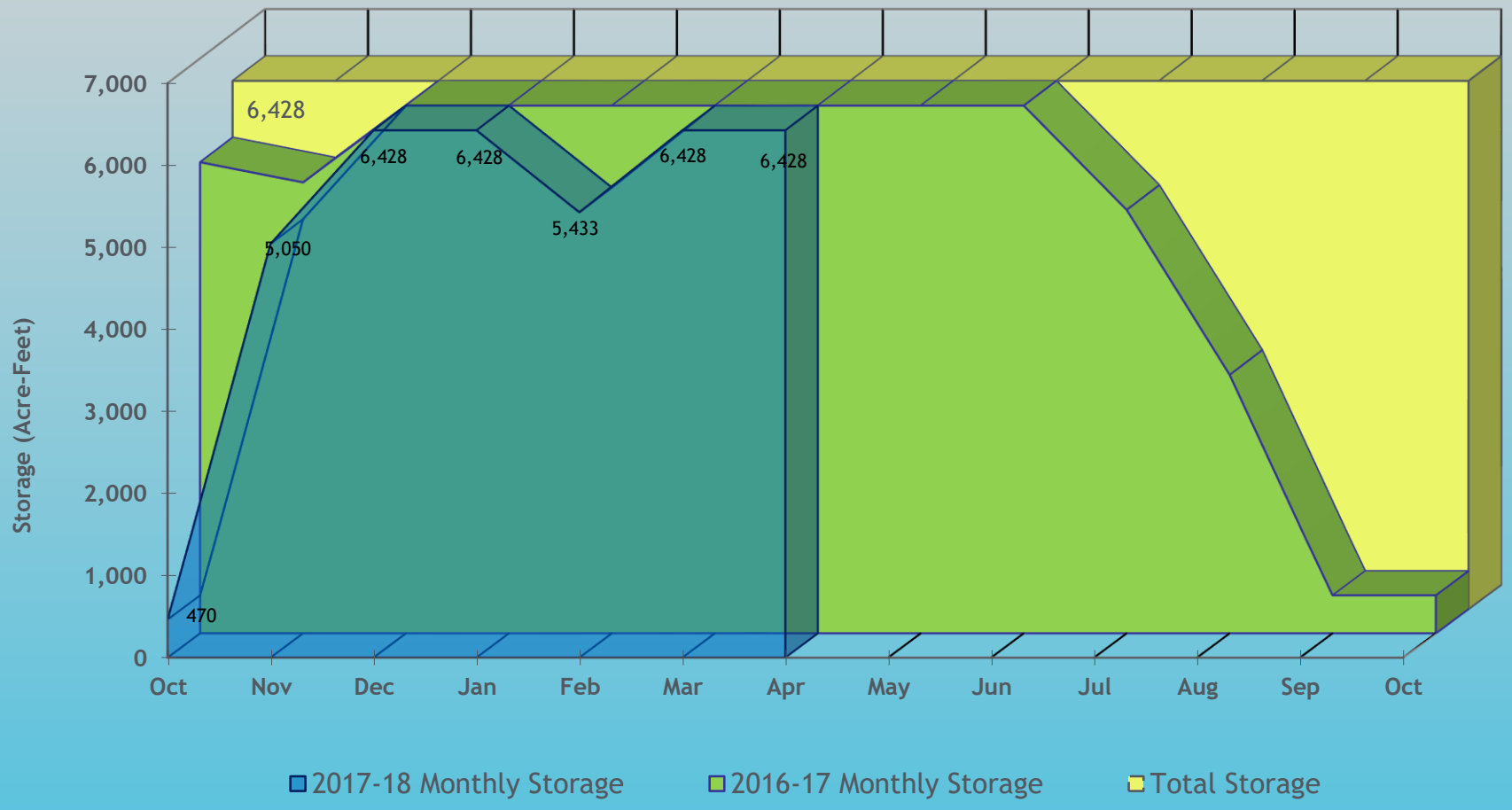
Halligan Reservoir
(District 3, Poudre River - Agricultural)



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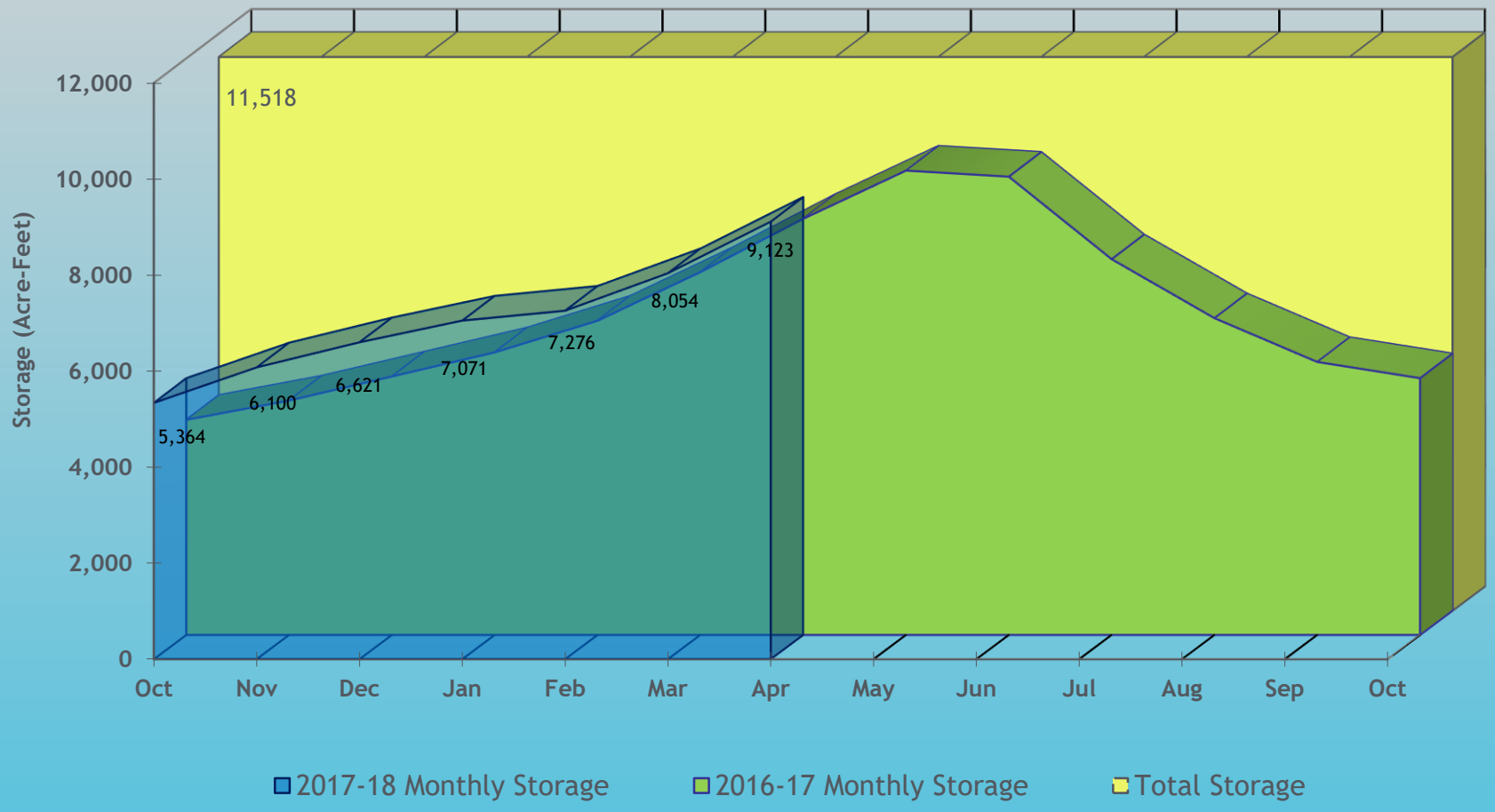
Marshall Lake
(District 6, Boulder Creek - Agricultural)



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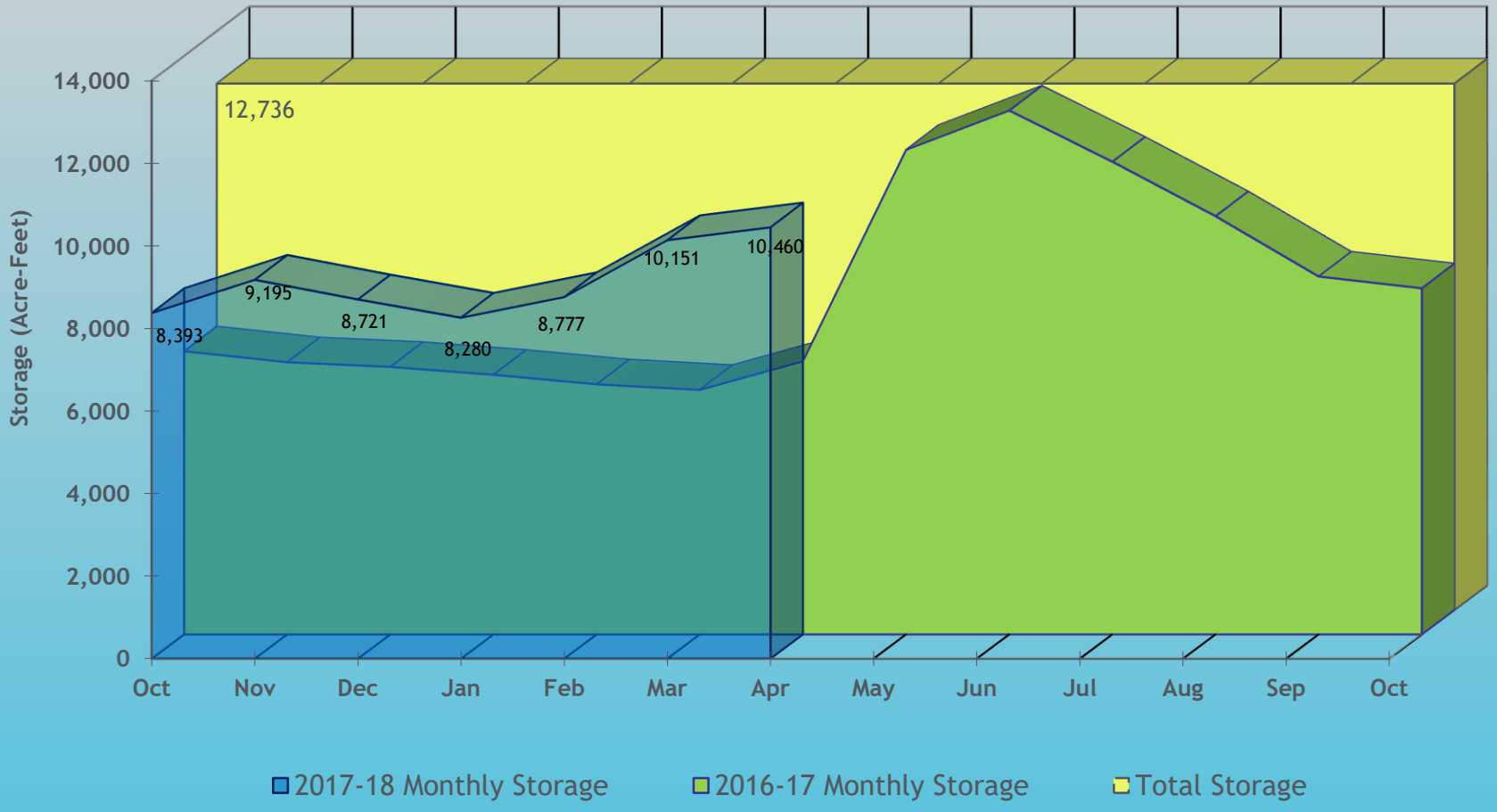
Loveland Greeley Reservoir
(District 4, Big Thompson River - Agricultural)



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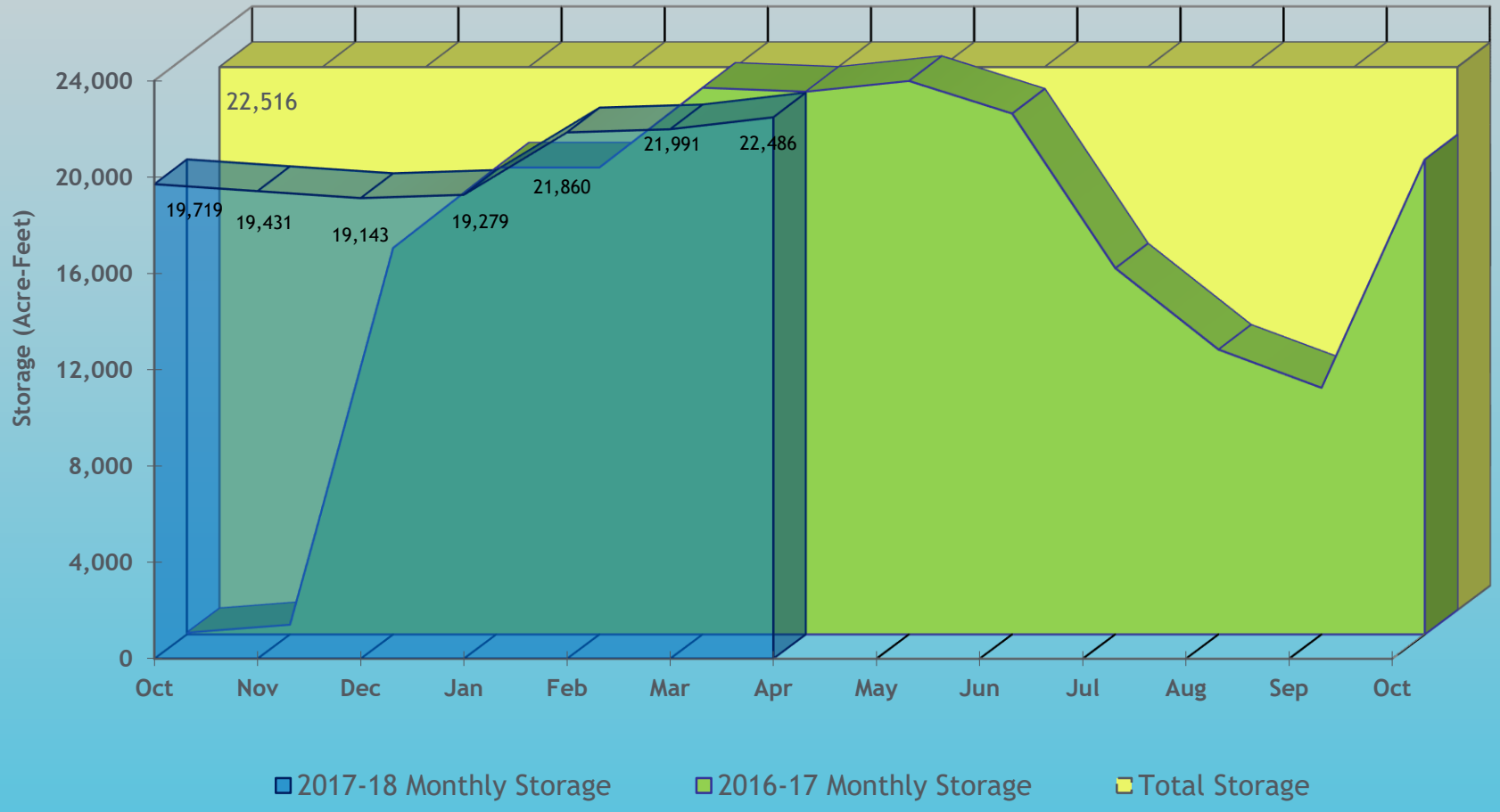
Milton Reservoir
(District 2 - Agricultural)



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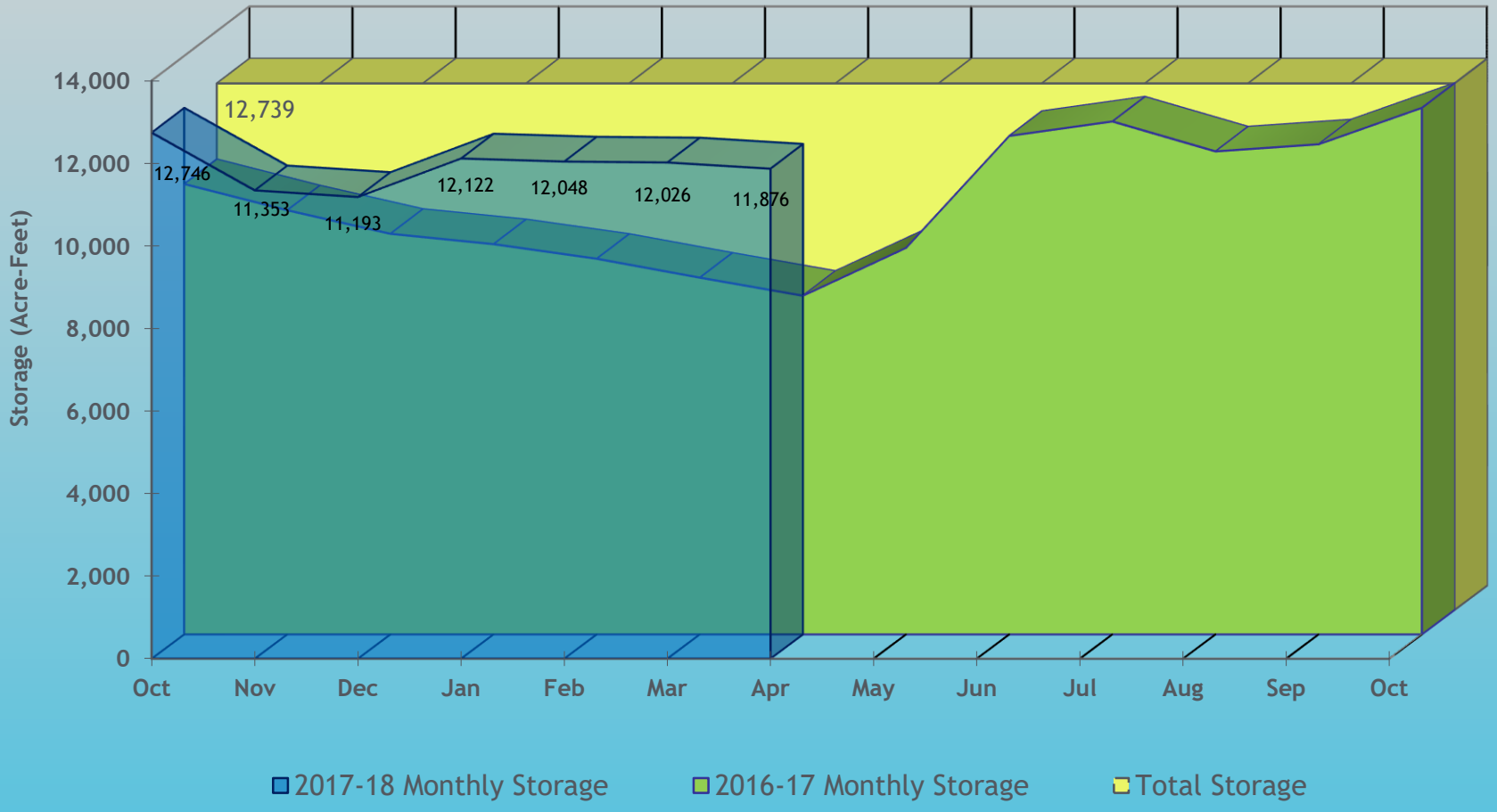
Union Reservoir
(District 5, St. Vrain Creek - Agricultural)



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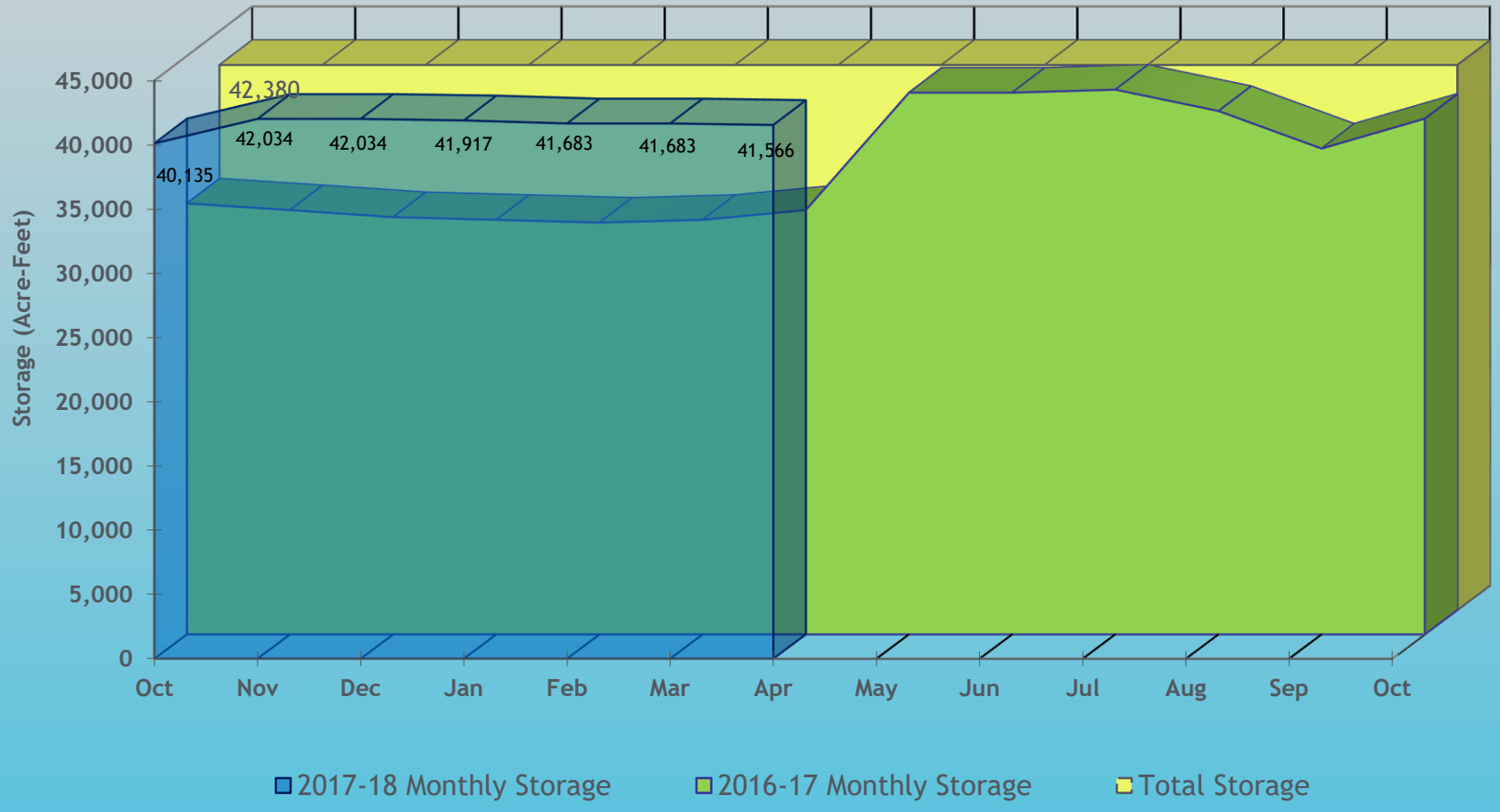
Standley Lake (Agricultural)



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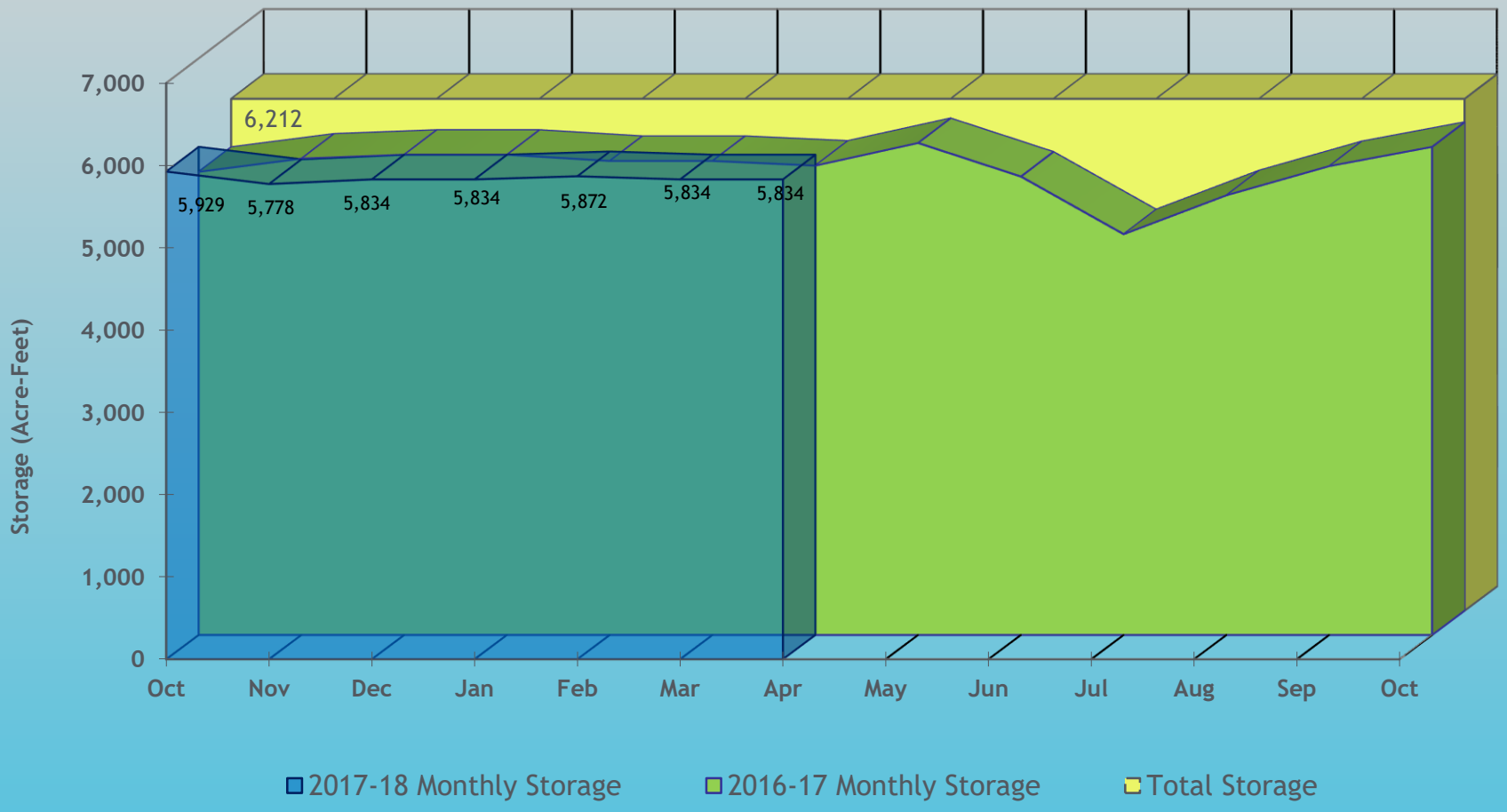
Lower Latham Reservoir (District 2 - Agricultural)



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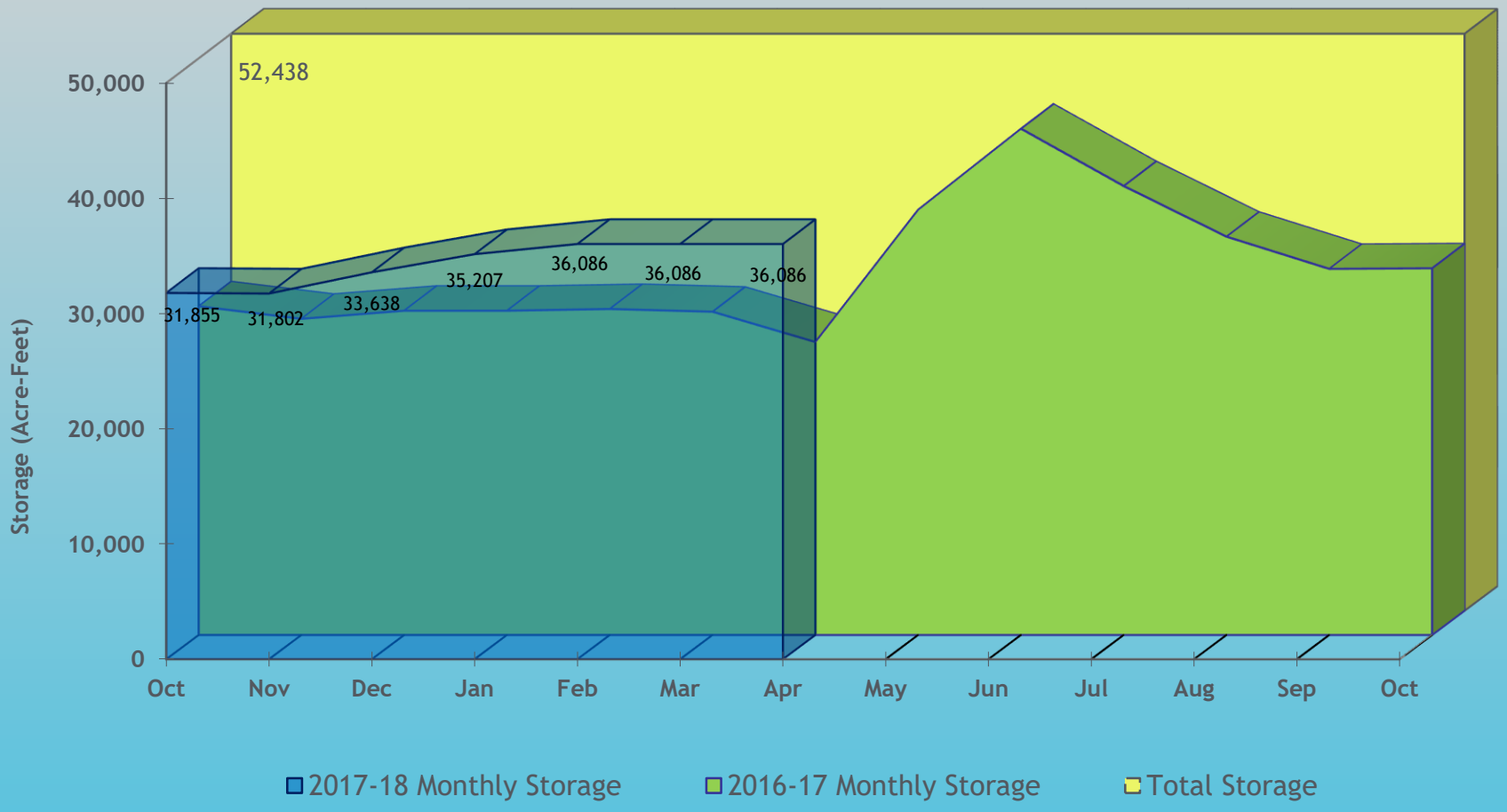
Boyd Lake
(District 4, Big Thompson River - Agricultural)



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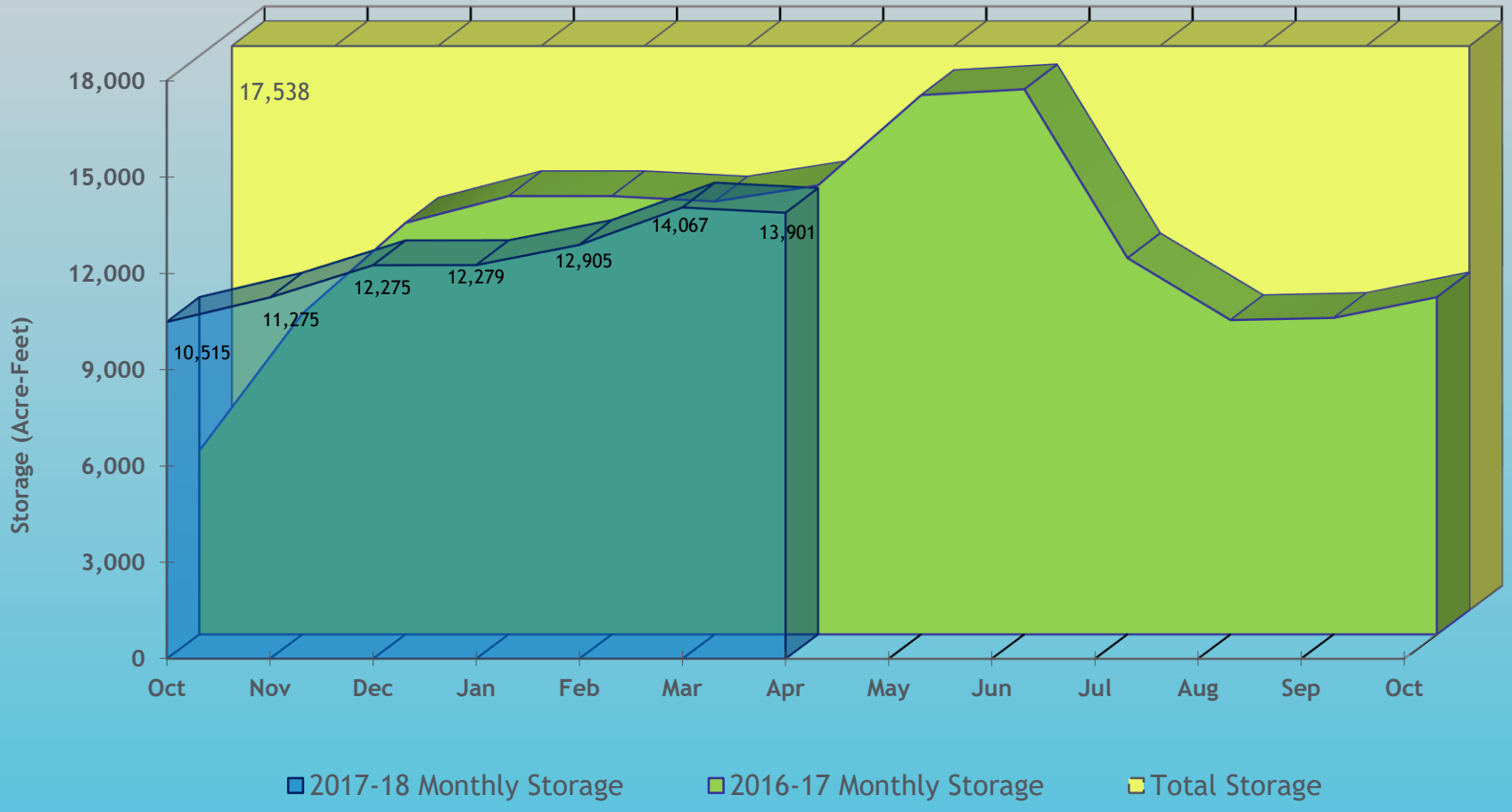
Windsor Reservoir
(District 3, Poudre River - Agricultural)



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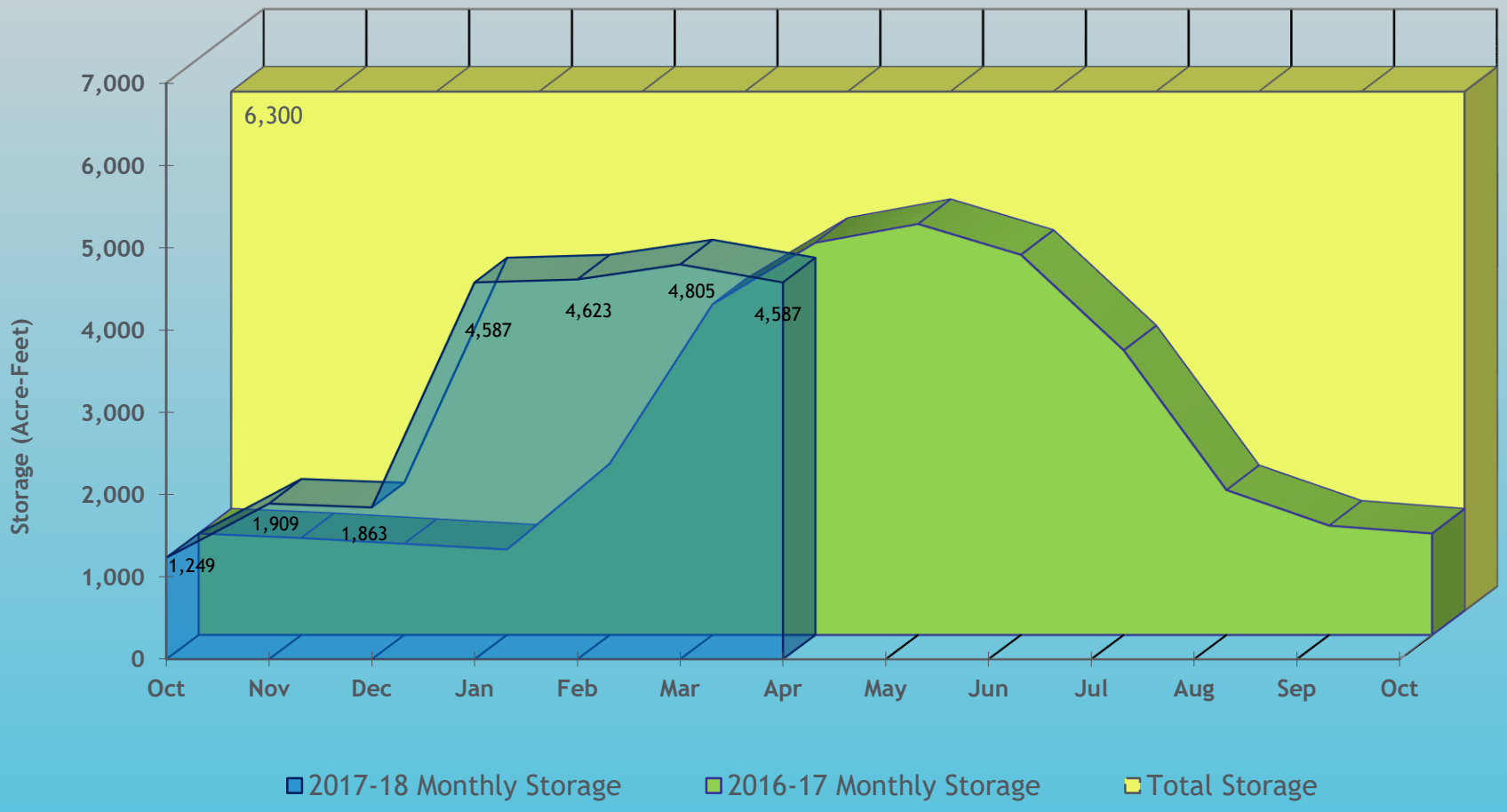
Prospect Reservoir
(District 1 - Agricultural)



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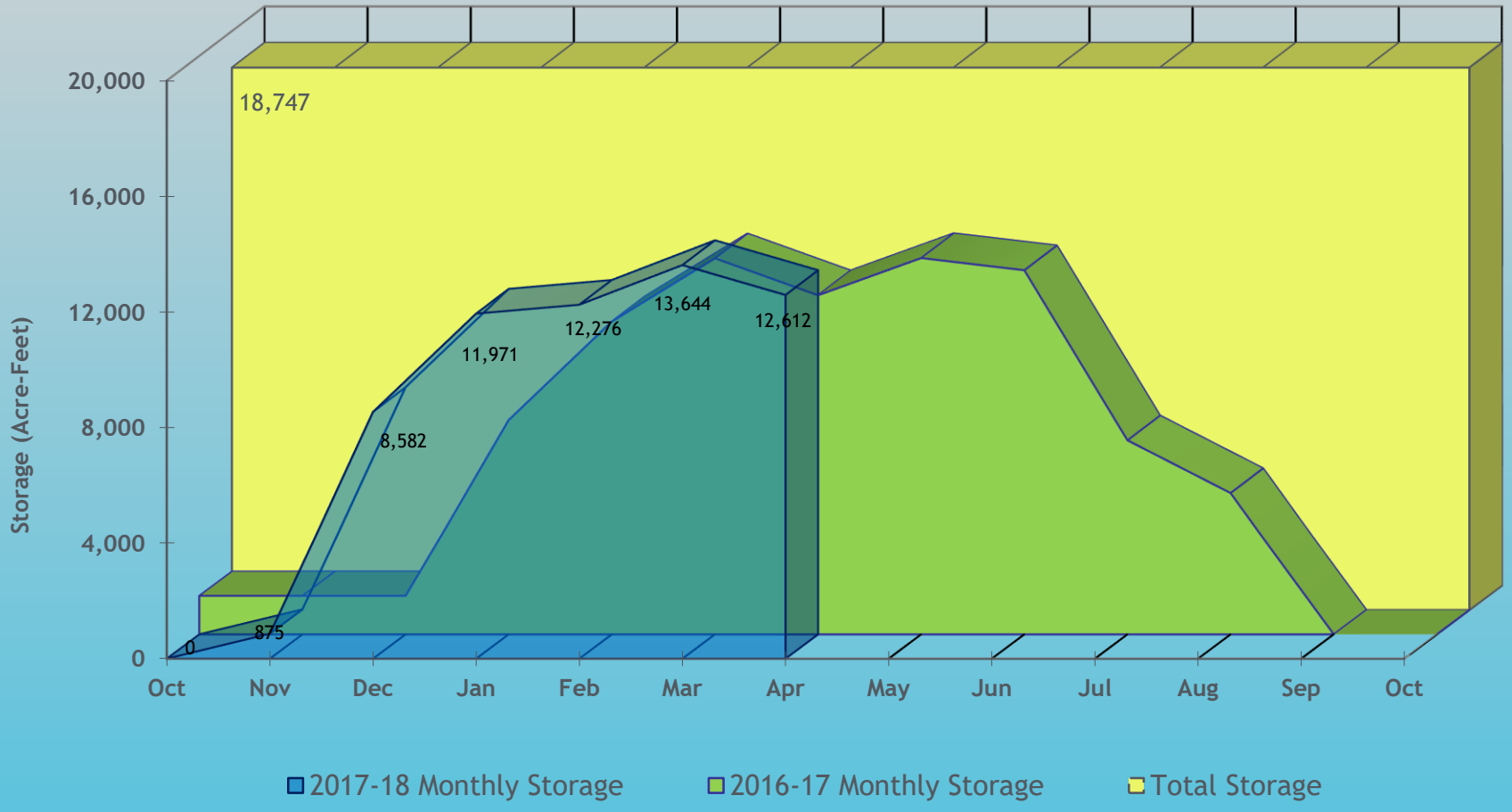
Horse Creek Reservoir
(District 1 - Agricultural)



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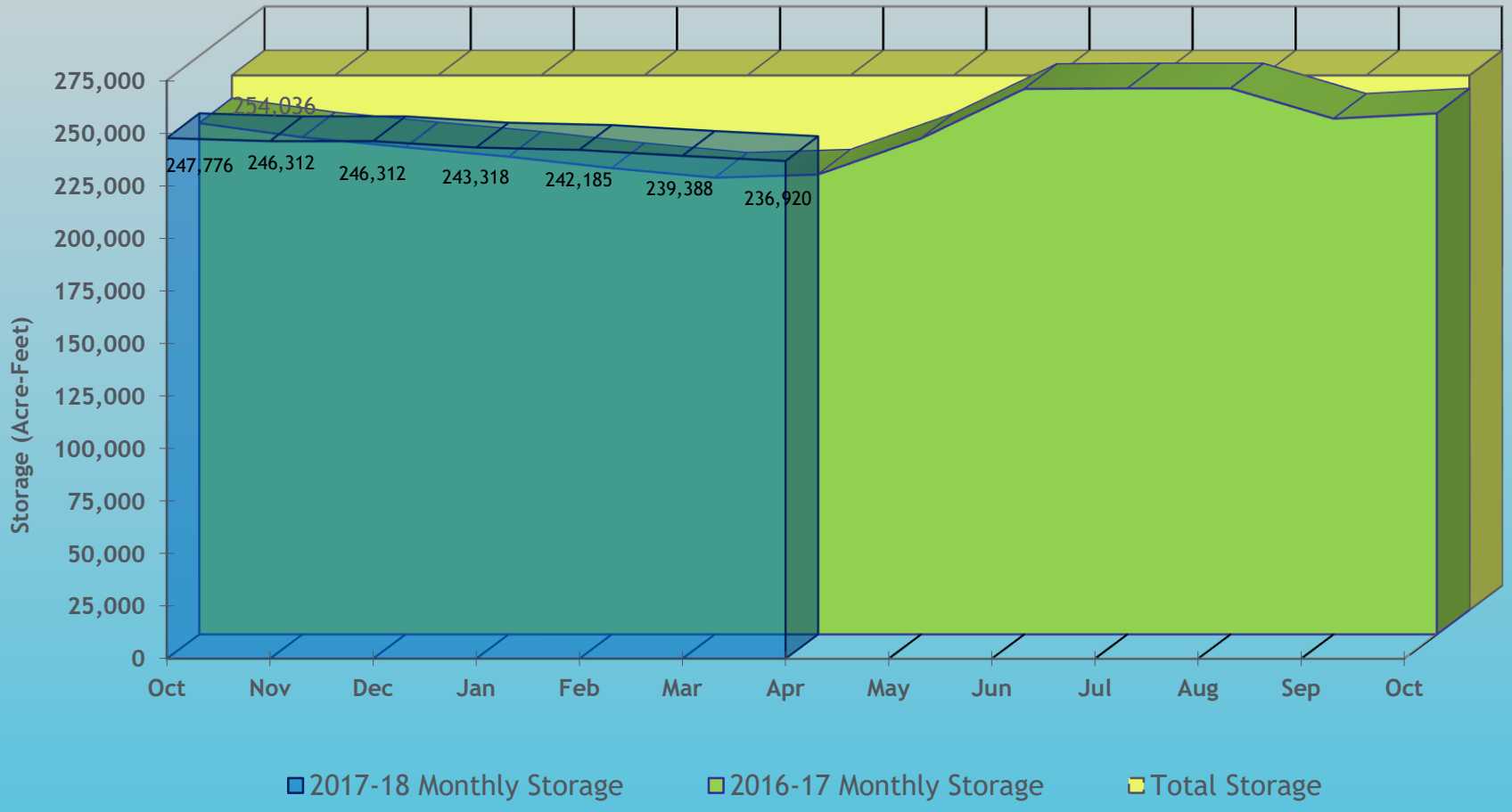
Dillon Reservoir
(District 1 - Municipal)



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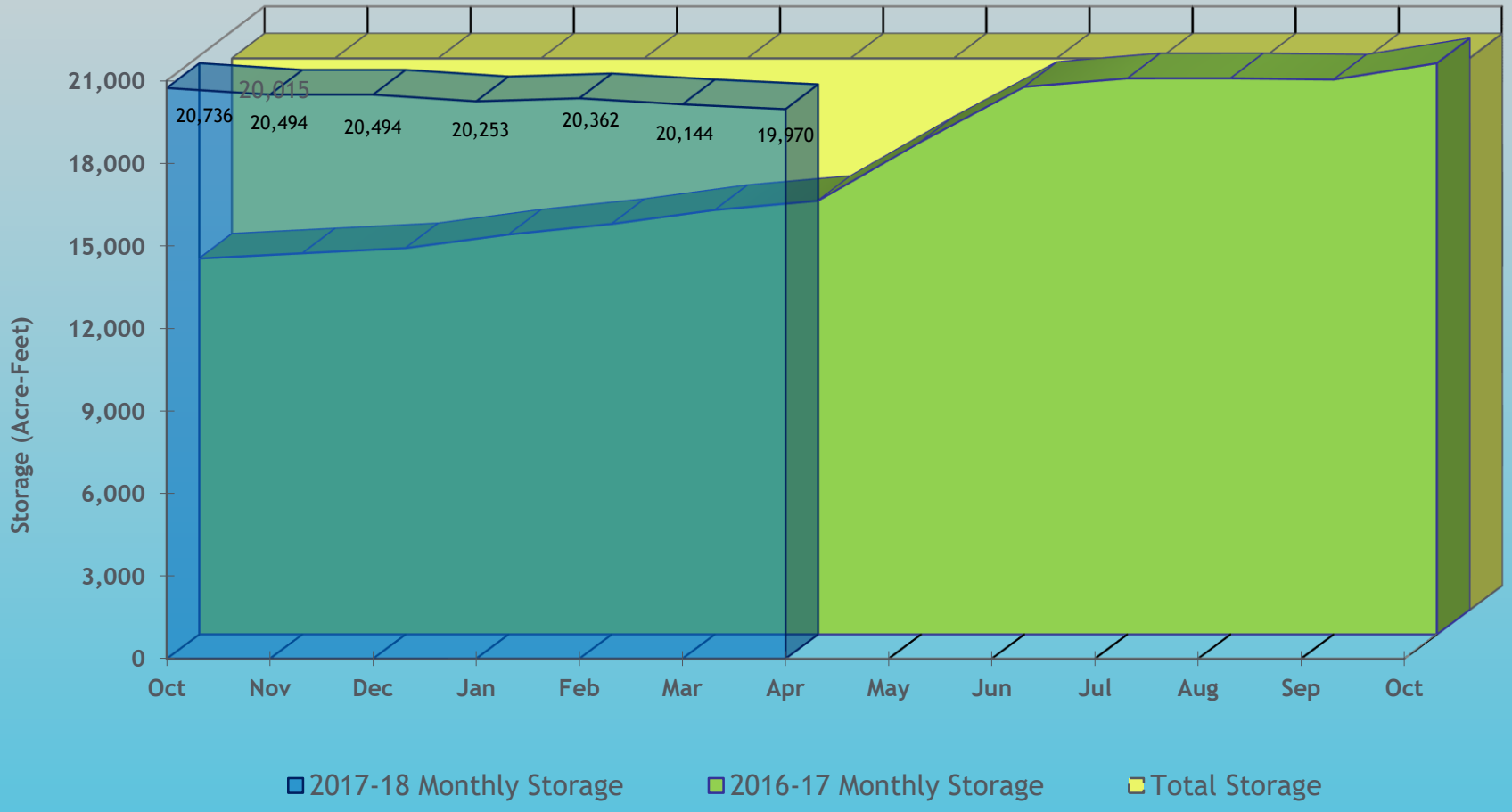
Antero Reservoir
(District 23 - Municipal)



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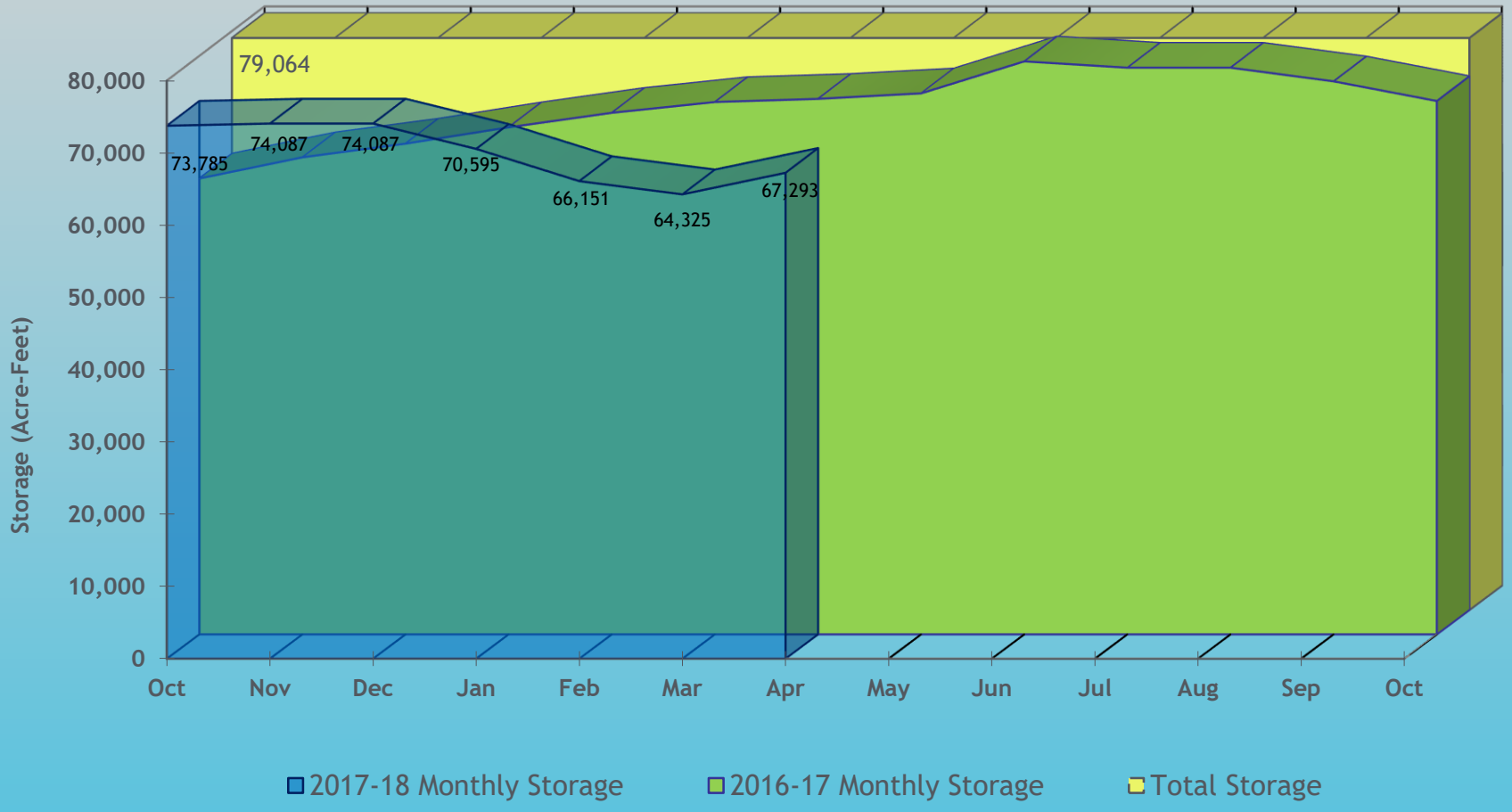
Cheesman Reservoir
(District 80 - Municipal)



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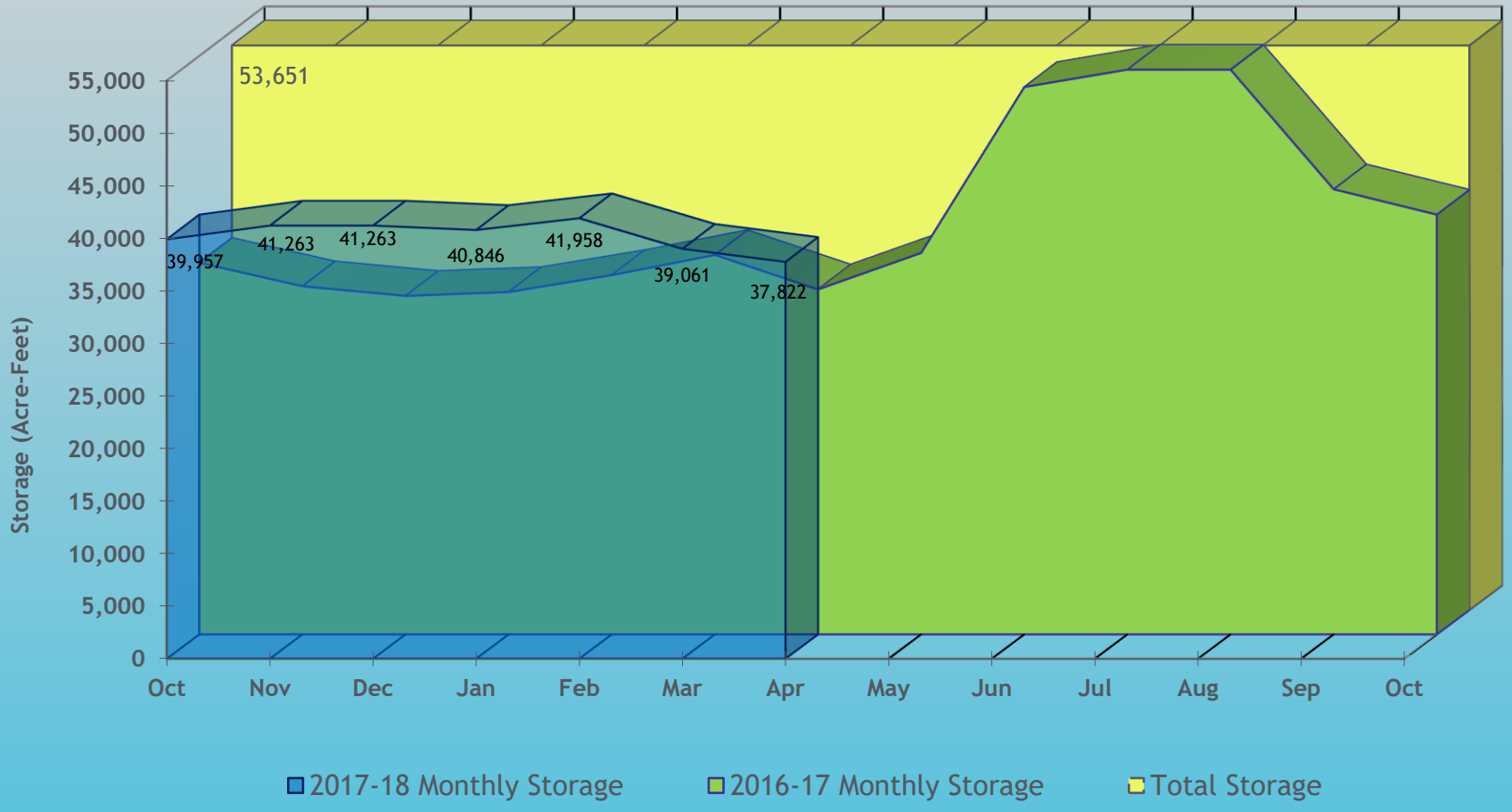
Spinney Mountain Reservoir (District 23 - Municipal)



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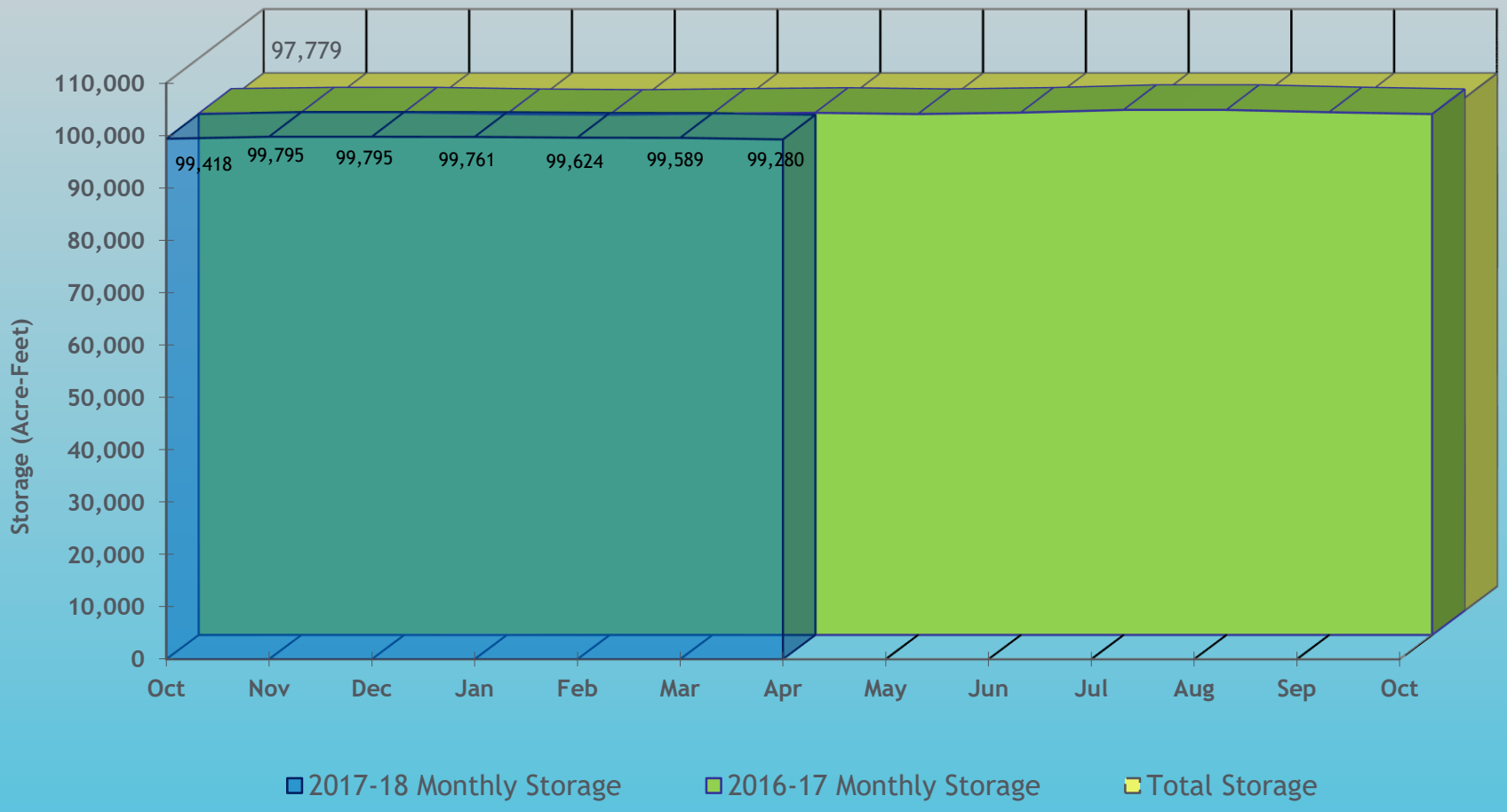
Eleven Mile Reservoir
(District 23 - Municipal)



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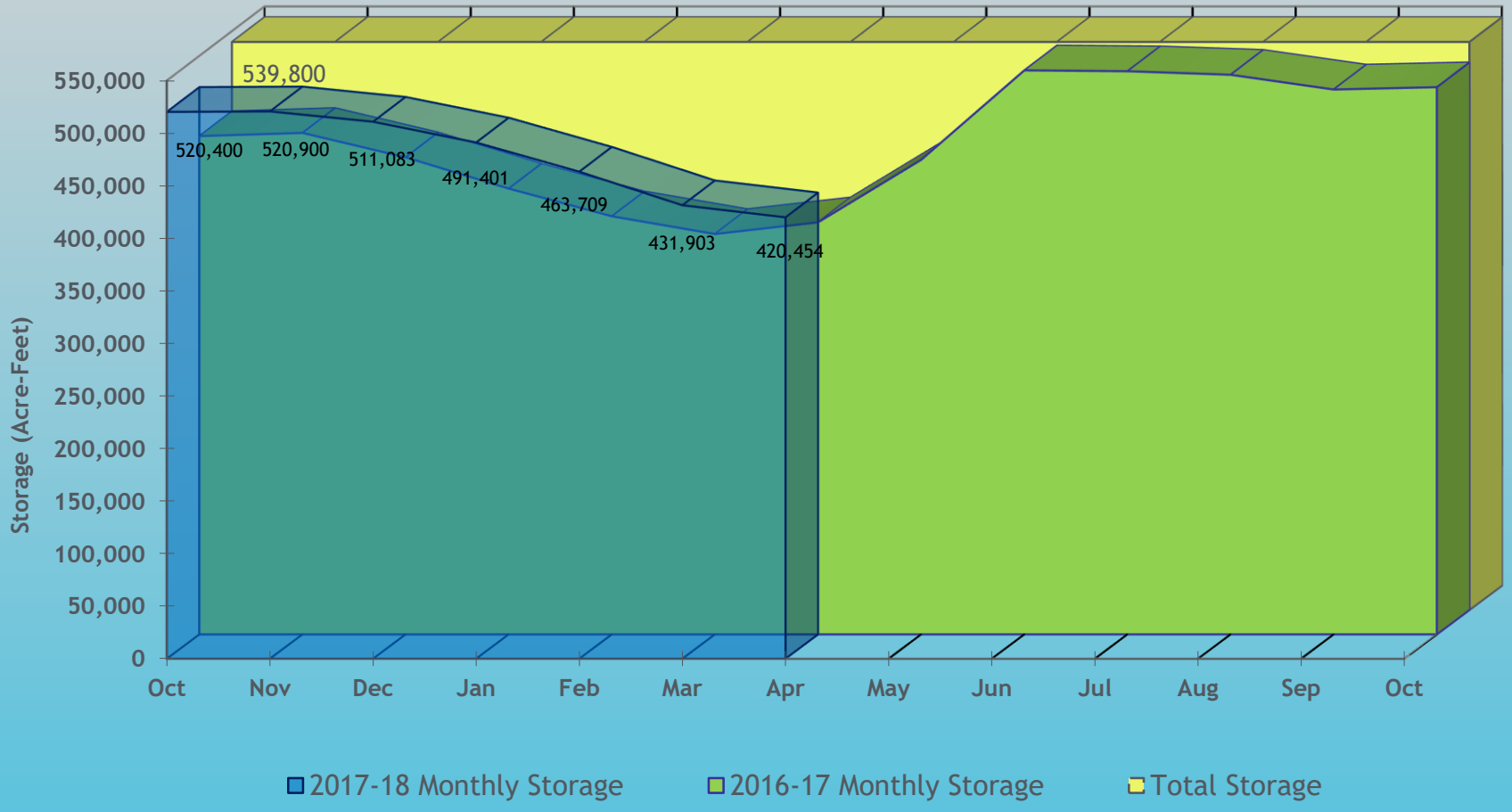
Lake Granby



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