



COLORADO
Department of Natural Resources

South Platte Summary October 2020

Compiled by Lee Cunning, P.E.

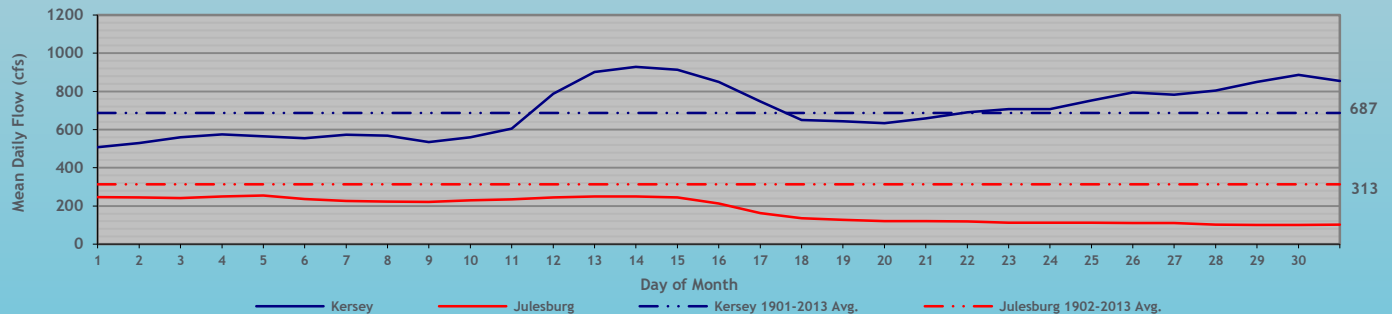
COLORADO DIVISION OF WATER RESOURCES, DIVISION 1

MONTH OF October 2020

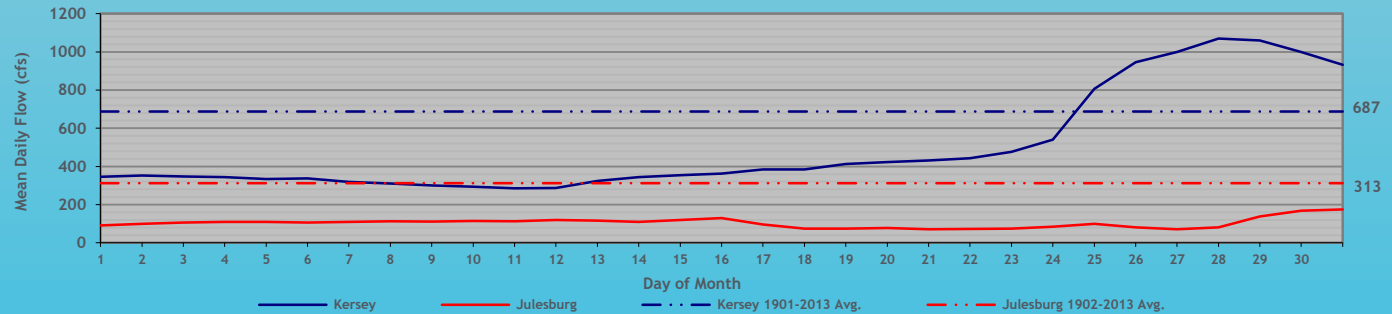
RESERVOIR	FULL ALLOWABLE CAPACITY (ACRE FEET)	FIRST OF MONTH (ACRE FEET)	END OF MONTH (ACRE FEET)	DISTRICT	CHANGE IN STORAGE (ACRE FEET)	% CHANGE IN STORAGE BASED ON FIRST OF MONTH STORAGE	% OF CURRENT FULL ALLOWABLE CAPACITY	% OF CURRENT FULL ALLOWABLE CAPACITY THIS MONTH LAST YEAR	SURCHARGE (ACRE FEET)
JULESBURG	22,666	3,822	4,279	64	457	12%	19%	73%	0
N STERLING	73,730	6,083	6,669	64	586	10%	9%	39%	0
PREWITT	28,500	5,113	10,767	64	5,654	111%	38%	90%	0
JACKSON	27,257	692	6,696	1	6,004	868%	25%	93%	0
EMPIRE	37,700	0	0	1	0	0%	0%	25%	0
RIVERSIDE	63,113	0	10,754	1	10,754	0%	17%	46%	0
BARR LAKE	32,152	2,082	2,000	2	-82	-4%	6%	44%	0
CHEESMAN	79,064	40,923	34,213	80	-6,710	-16%	43%	80%	0
ELEVEN MILE	97,779	93,504	92,329	23	-1,175	-1%	94%	100%	0
SPINNEY	53,651	34,672	31,222	23	-3,450	-10%	58%	75%	0
ANTERO	20,015	19,345	19,006	23	-339	-2%	95%	97%	0

RIVER GAGES	MEAN DAILY FLOW (CFS)
KERSEY	502
JULESBURG	104
THIS MONTH LAST YEAR	
KERSEY	699
JULESBURG	179
MEAN FOR PERIOD OF RECORD*	
KERSEY	687
JULESBURG	313
*Kersey 1901 - 2016	
*Julesburg 1902 - 2016	

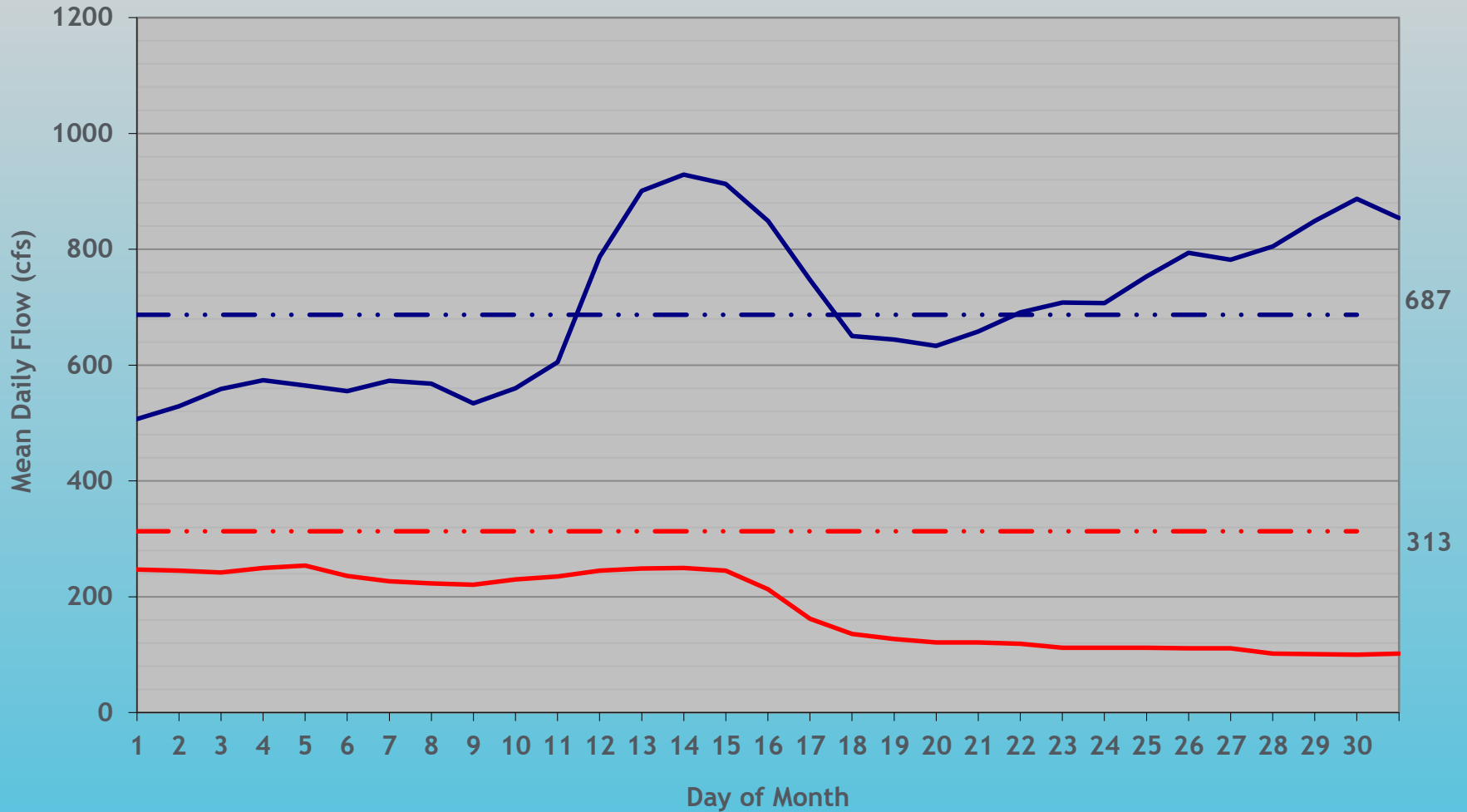
KERSEY and JULESBURG
October 2019



KERSEY and JULESBURG
October 2020

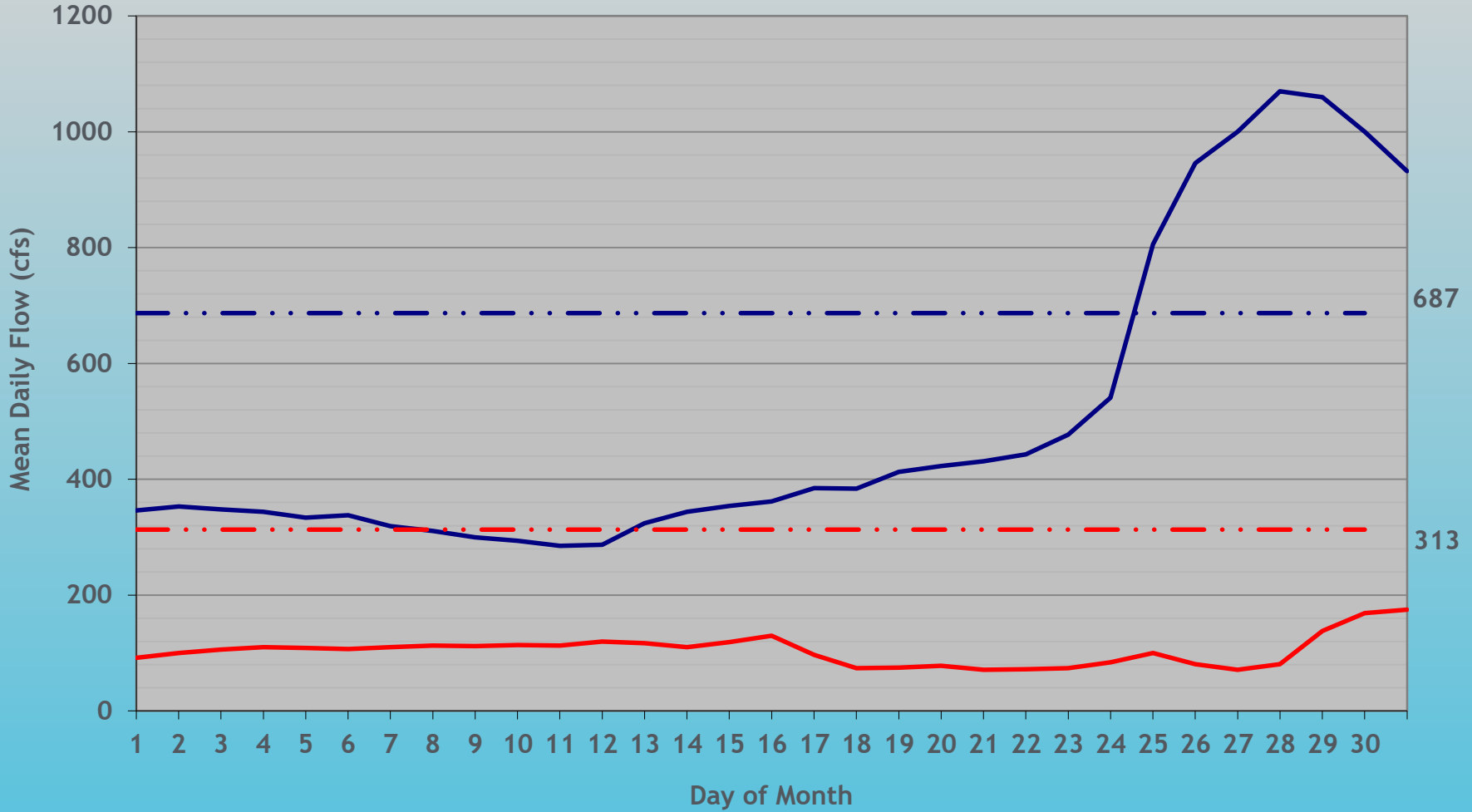


KERSEY and JULESBURG October 2019



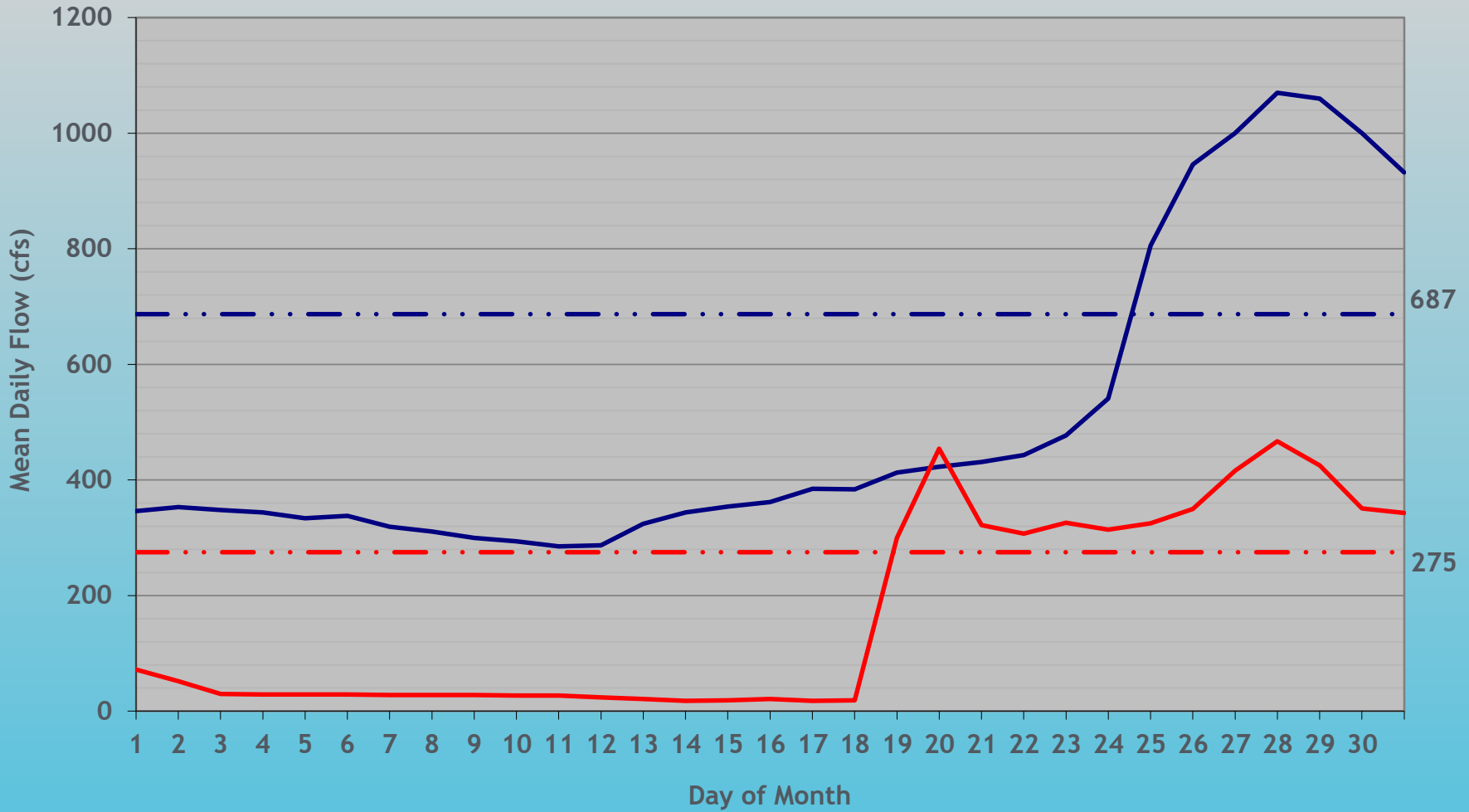
— Kersey — Julesburg — • Kersey 1901-2013 Avg. — • Julesburg 1902-2013 Avg.

KERSEY and JULESBURG October 2020



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

KERSEY and BALZAC October 2020



— Kersey

— Balzac

· Kersey 1901-2013 Avg.

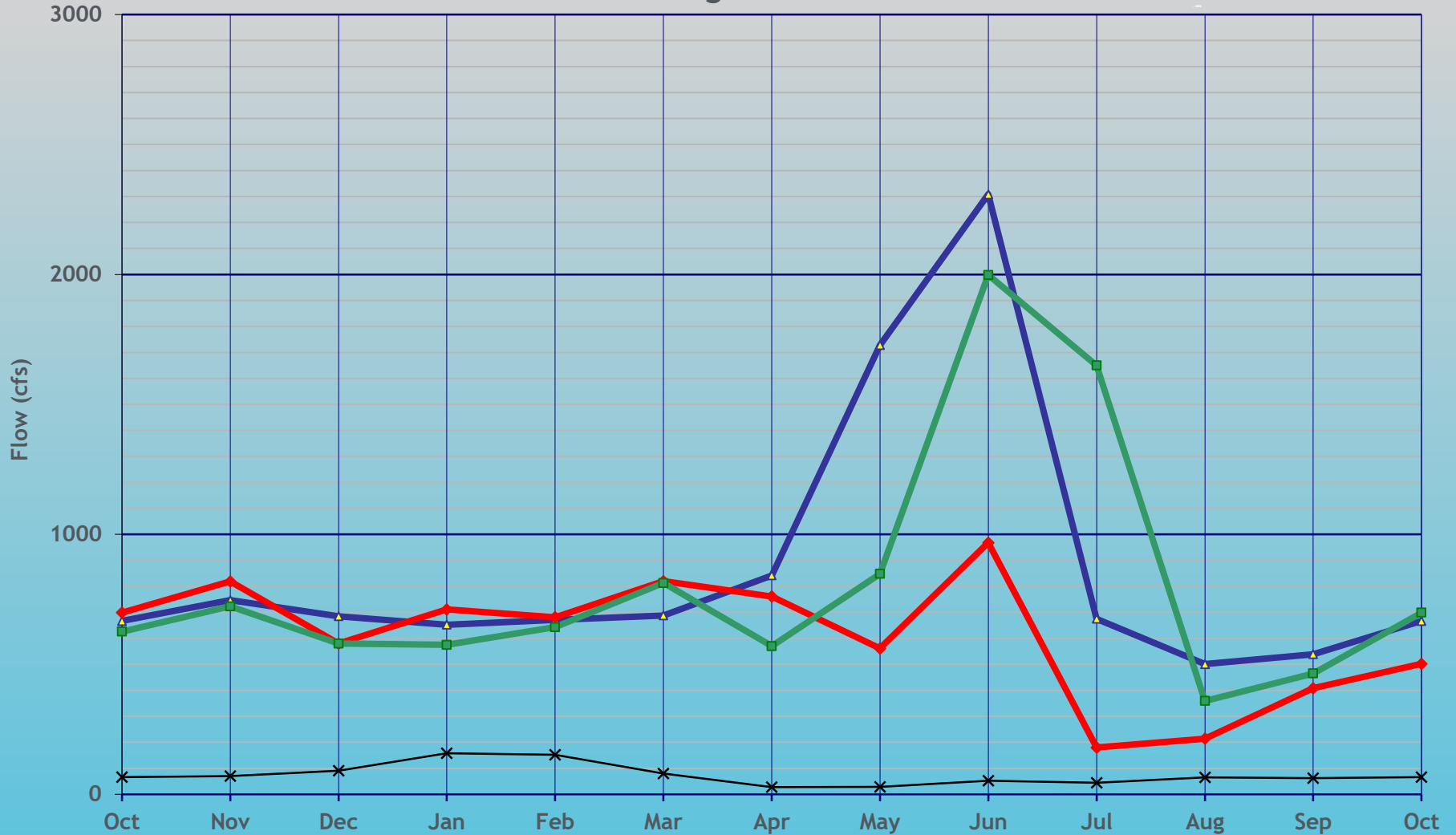
· Balzac 1917-2013 Avg.

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 2020 Mean Monthly Flow	Month	Historic* Mean Flow	Historic* Max Flow	Year	Historic* Min Flow	Year	IY 2020 Mean Monthly Flow
Oct	667	6180	1984	66	1954	699	Oct	299	3130	1984	4.2	1903	179
Nov	747	3650	1984	70	1934	819	Nov	335	2900	1984	4.2	1903	310
Dec	685	1890	1961	91	1934	580	Dec	401	1820	1984	13	2002	680
Jan	652	2160	1974	158	1935	711	Jan	512	2510	1970	21	2003	797
Feb	671	3060	1914	152	1935	681	Feb	578	3220	1930	29	2005	591
Mar	688	3470	1983	80	1935	820	Mar	512	12900	1910	15	1904	312
Apr	842	18100	1942	28	1955	761	Apr	514	14400	1942	4.0	1904	240
May	1728	26100	1973	29	1955	561	May	994	18100	1973	12	1911	141
Jun	2308	31000	1921	52	1954	968	Jun	1426	30800	1921	2.0	1910	103
Jul	675	12600	1983	44	1955	180	Jul	311	12600	1983	0.0	1903	45
Aug	501	9690	1951	65	1934	214	Aug	178	8920	1968	0.0	1903	45
Sep	539	14200	1938	62	1940	408	Sep	284	7130	1938	2.0	1902	154
Oct	667	6180	1984	66	1954	502	Oct	299	3130	1984	4.2	1903	104
*Period of record 1902-2018							*Period of record 1902-2018						

South Platte River at Kersey

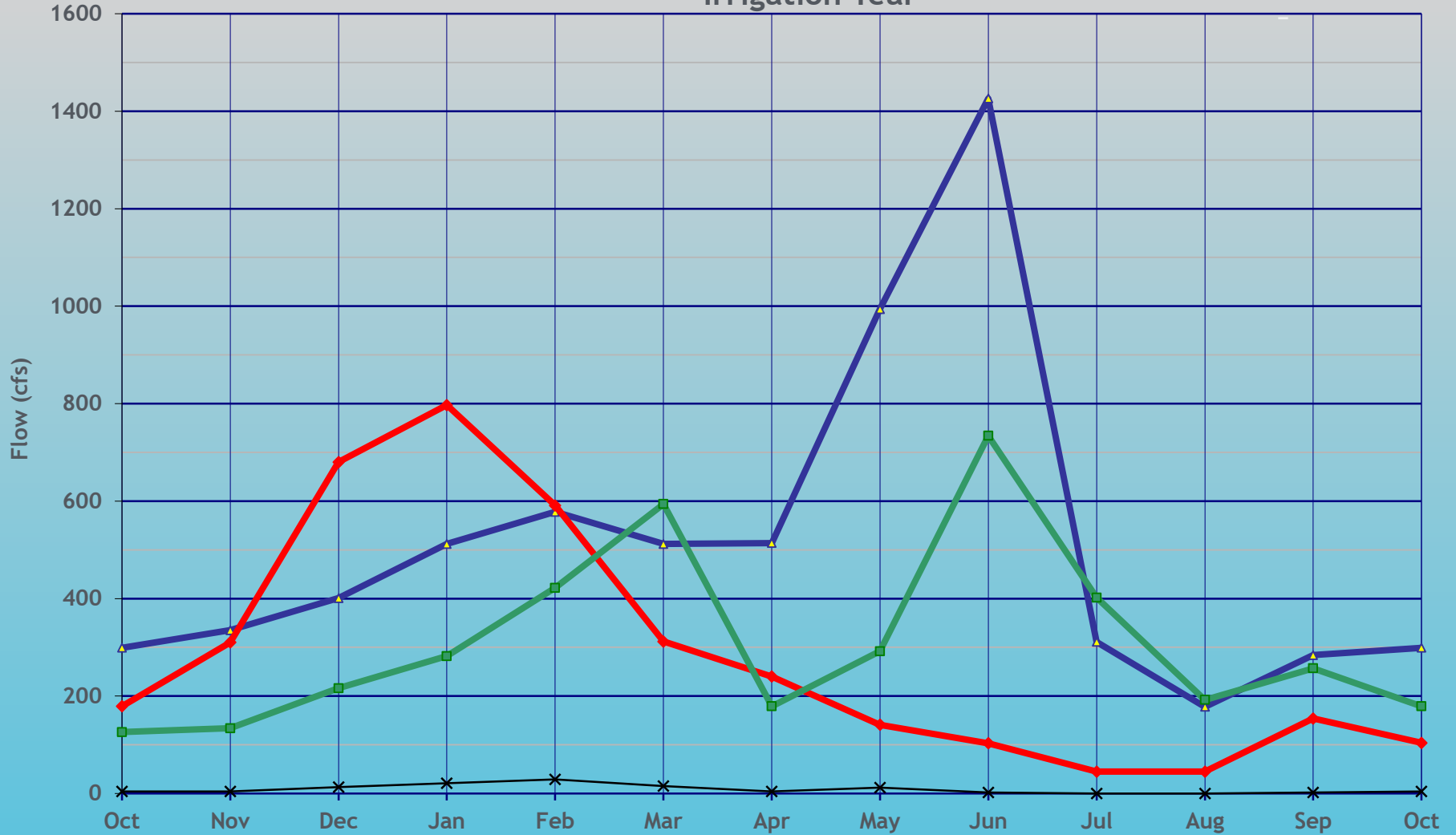
Irrigation Year



▲ Historic* Mean Flow *1901-2016 ✕ Historic* Min Flow ◆ 2019-2020 Mean Flow ◻ 2018-2019 Mean Flow

South Platte River at Julesburg

Irrigation Year

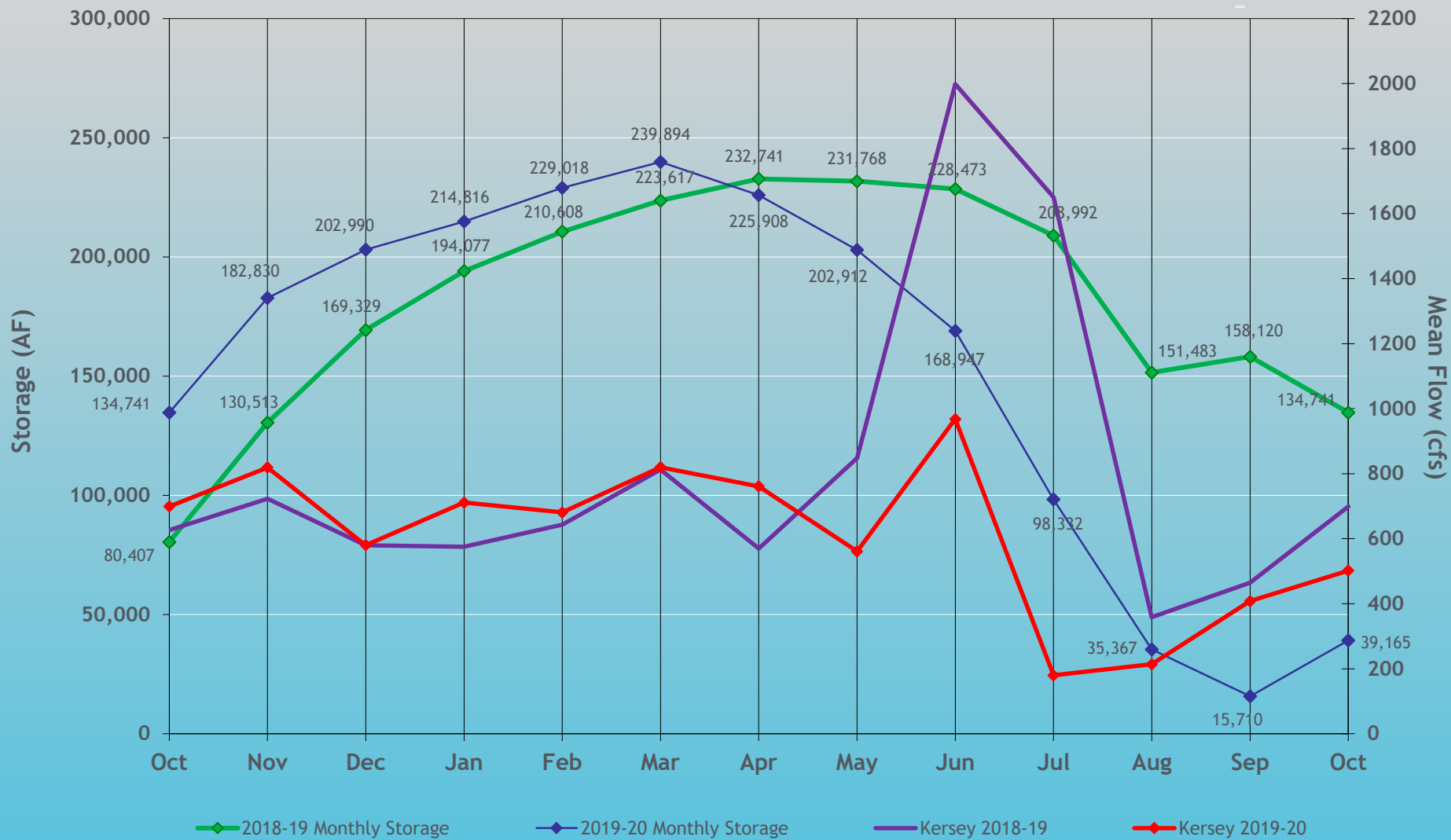


▲ Historic* Mean Flow * Historic* Min Flow ◆ 2019-2020 Mean Flow ■ 2018-2019 Mean Flow
*1901-2016



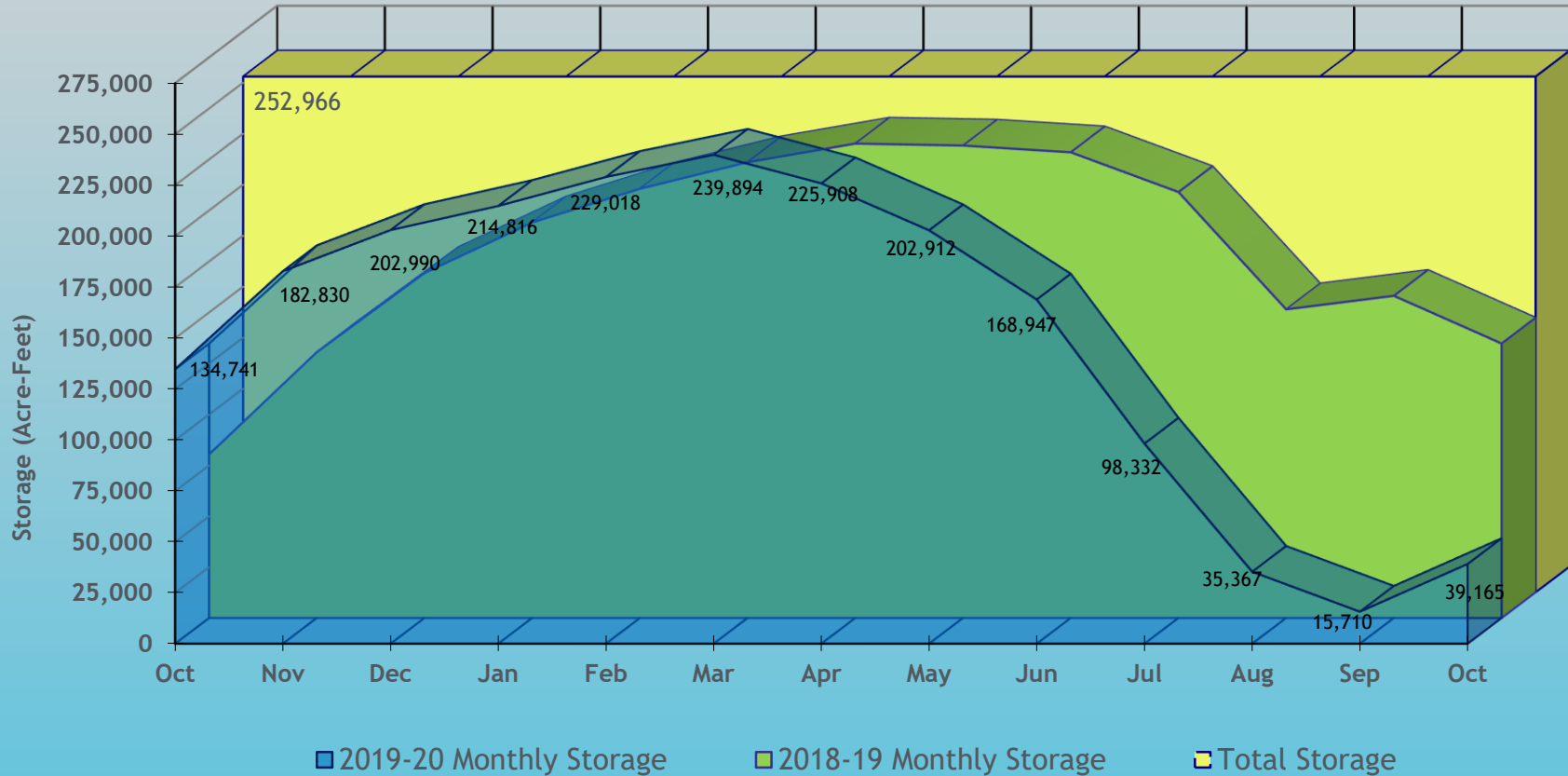
Reservoir Storage below Kersey

Selected Reservoirs*



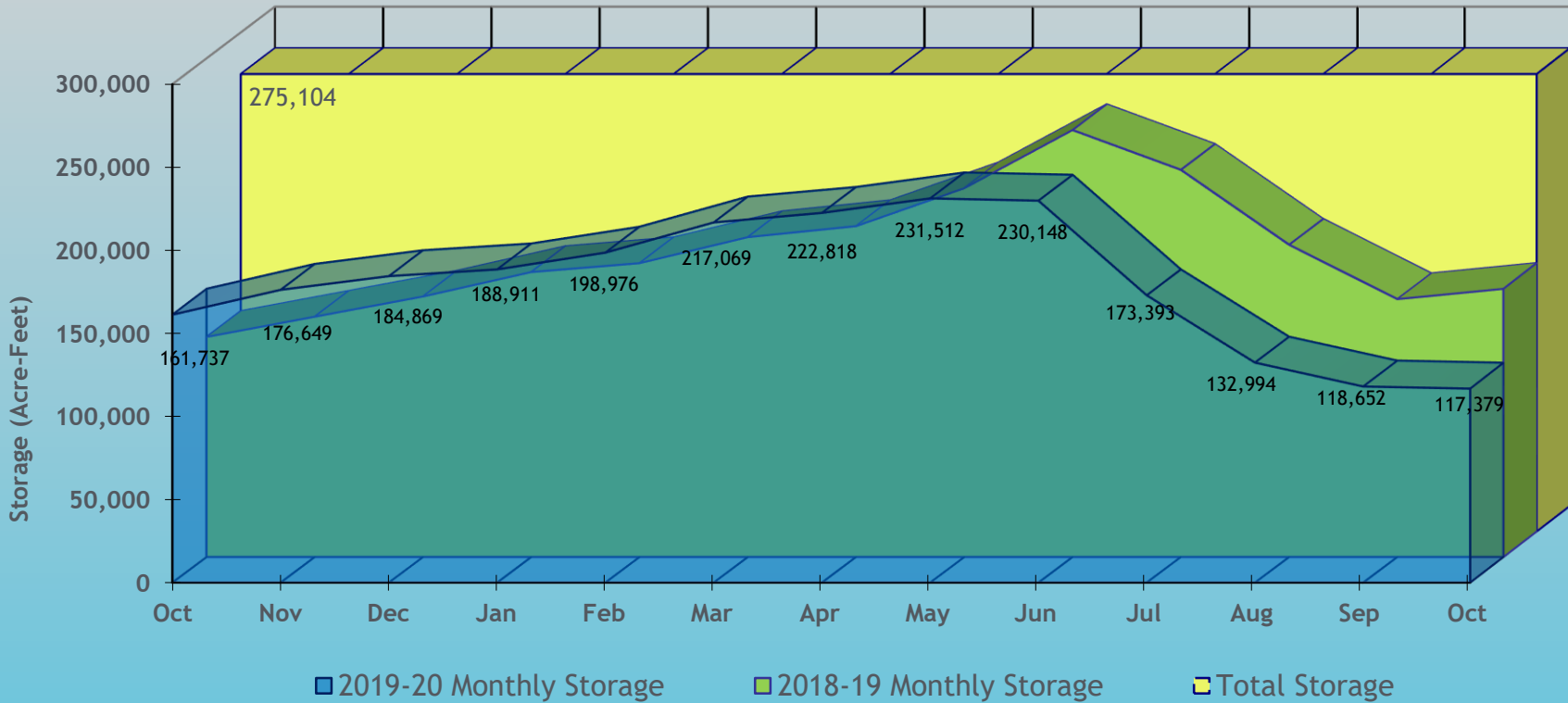
*Empire, Riverside, Jackson, Prewitt, North Sterling, & Julesburg

South Platte Reservoir Storage below Kersey*



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

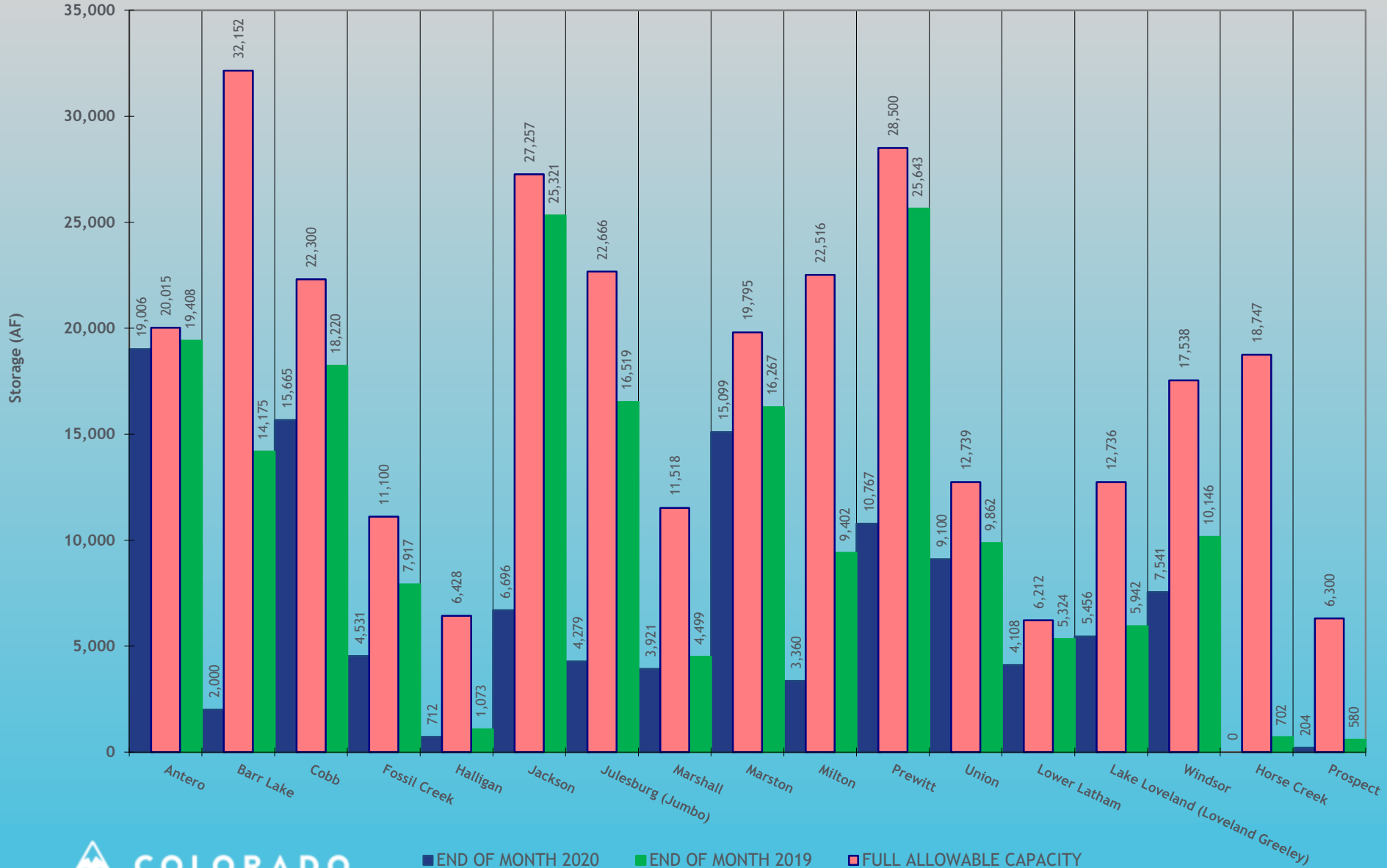
South Platte Reservoir Storage above Kersey*



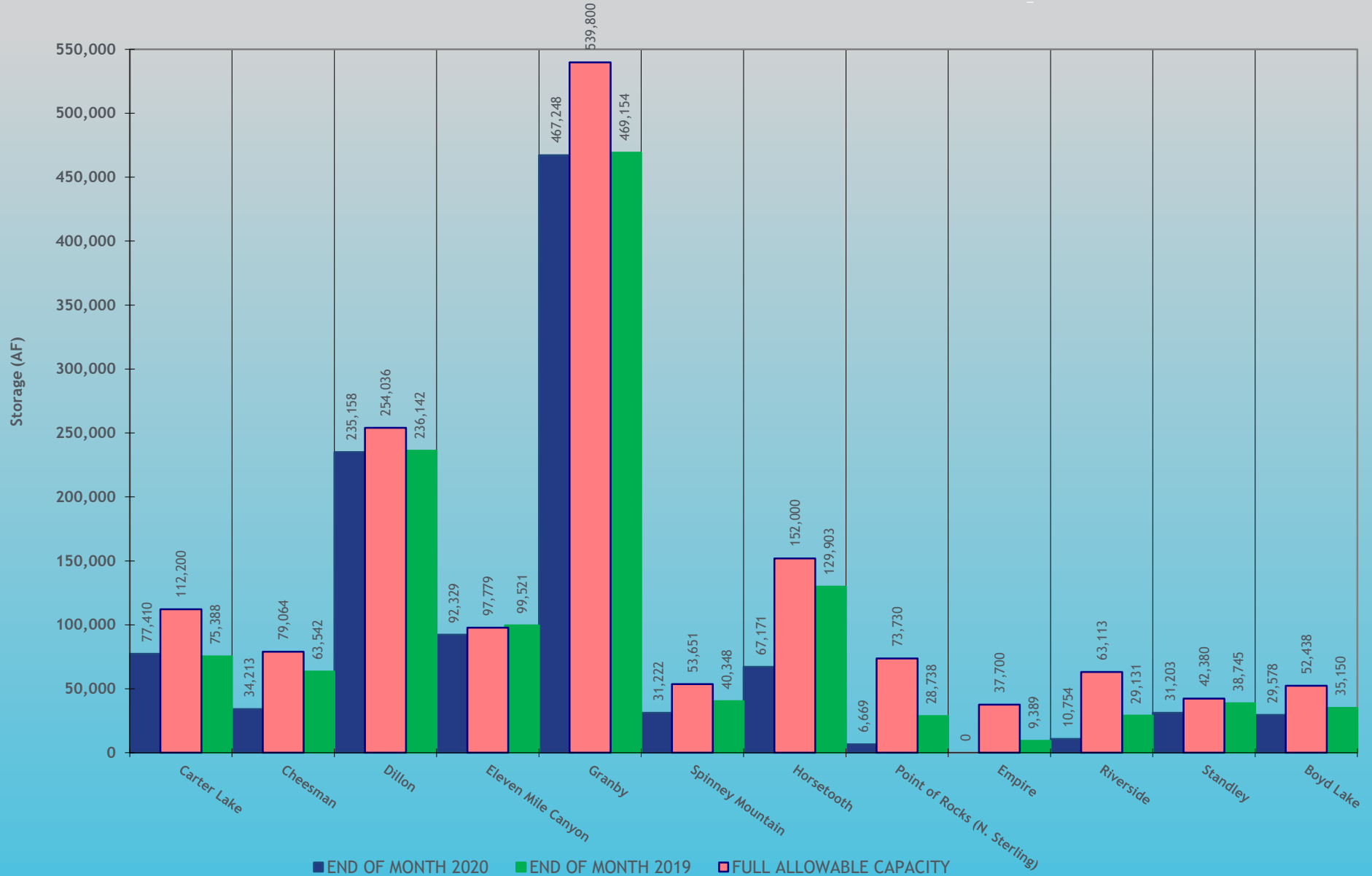
*Barr, Cobb, Fossil Crk, Halligan, Marshall, Milton, Union, Standley, Lower Latham, Boyd, Loveland, Windsor, Horse Crk, & Prospect



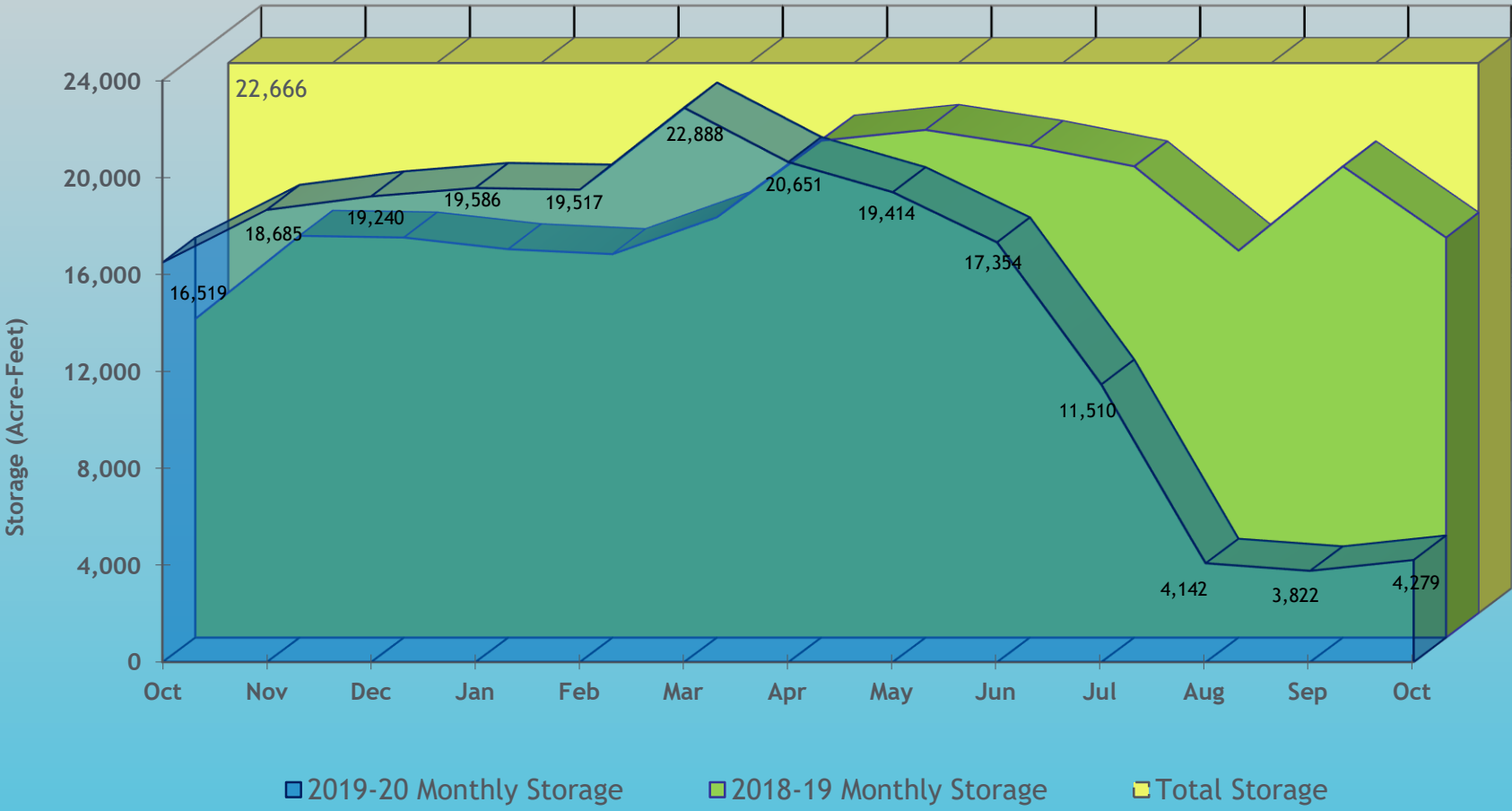
October Reservoir Change in Storage IY2019 versus IY2020



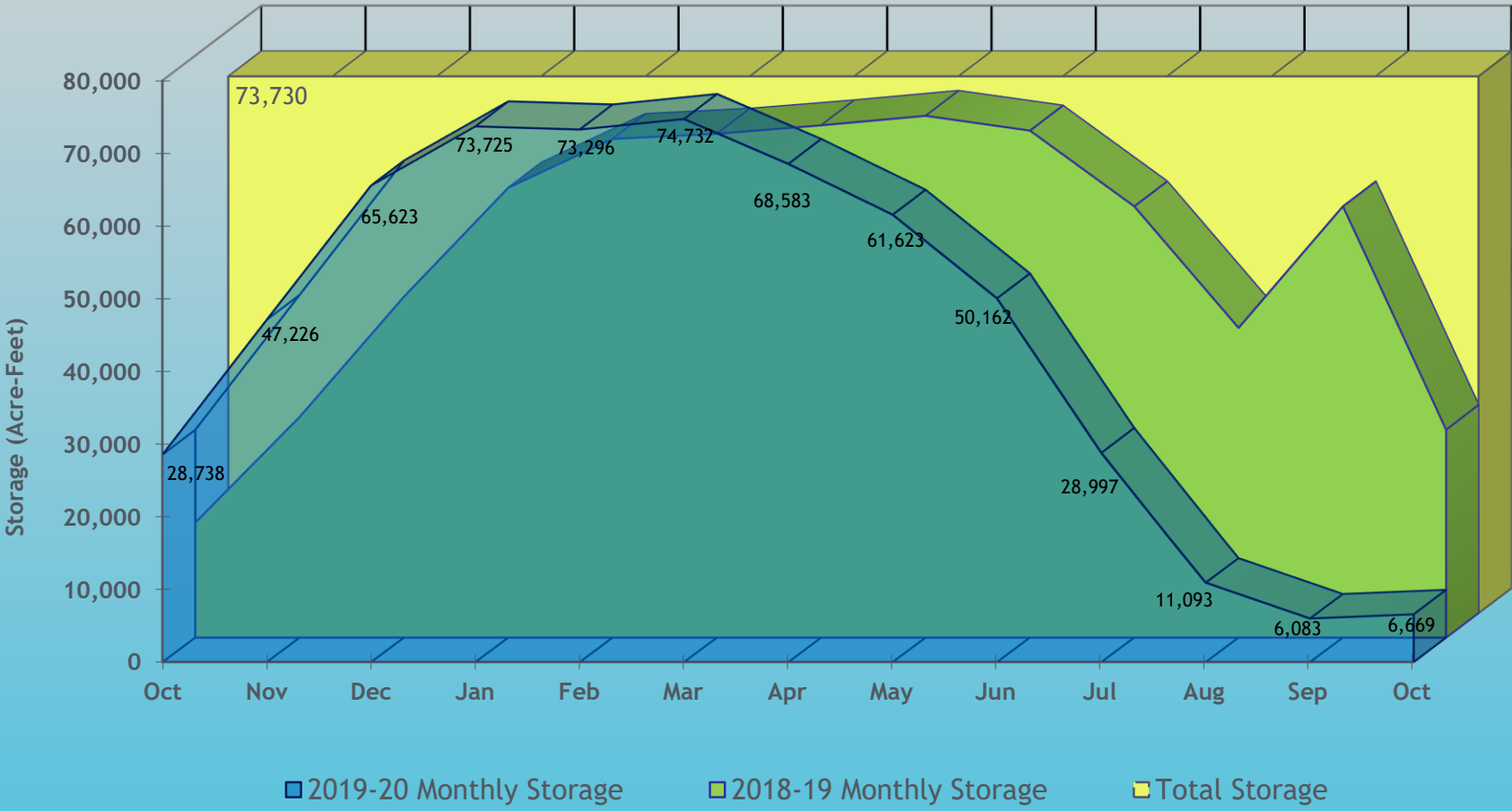
October Reservoir Change in Storage IY2019 versus IY2020



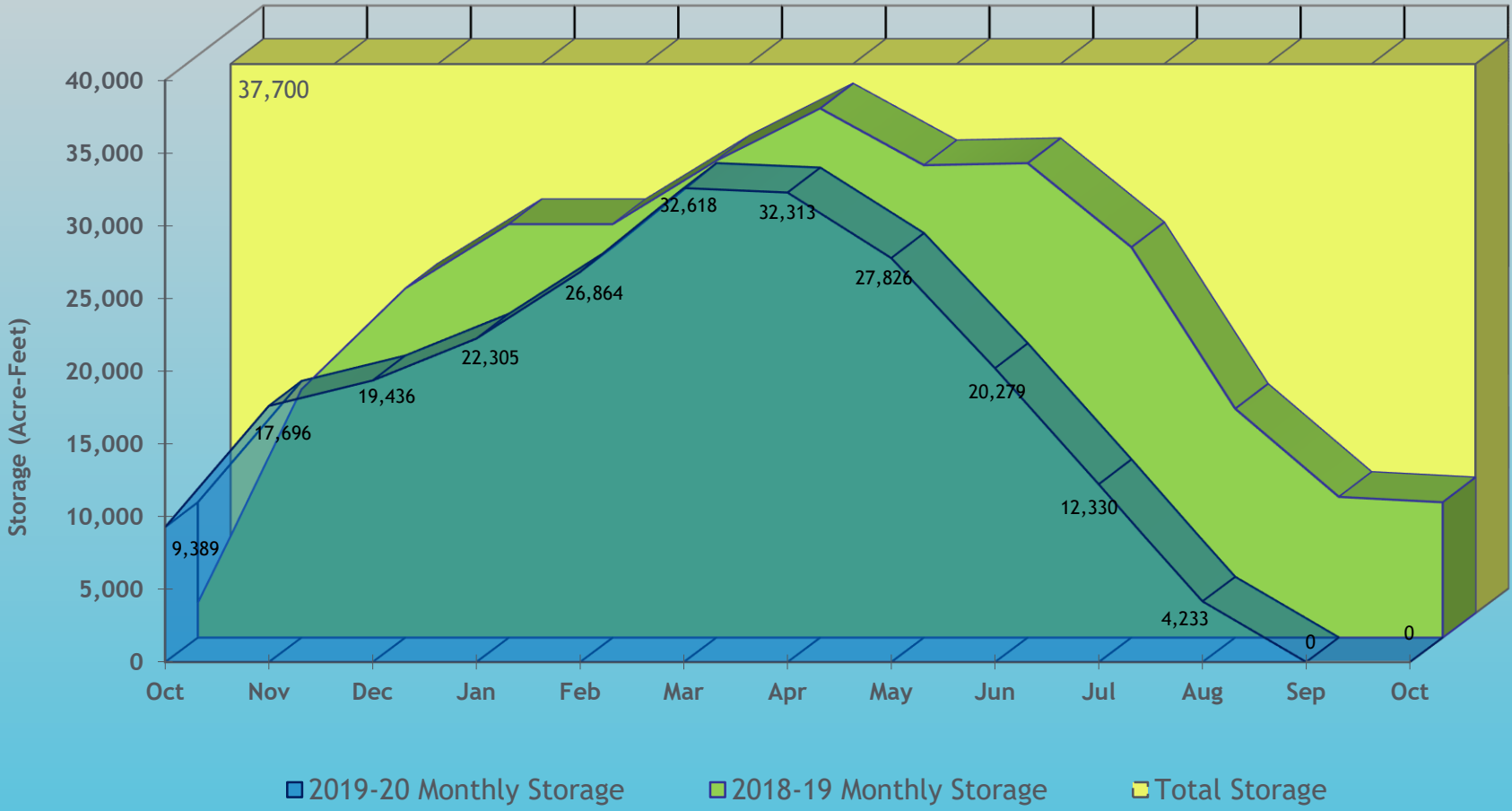
Julesburg Reservoir (District 64 - Agricultural)



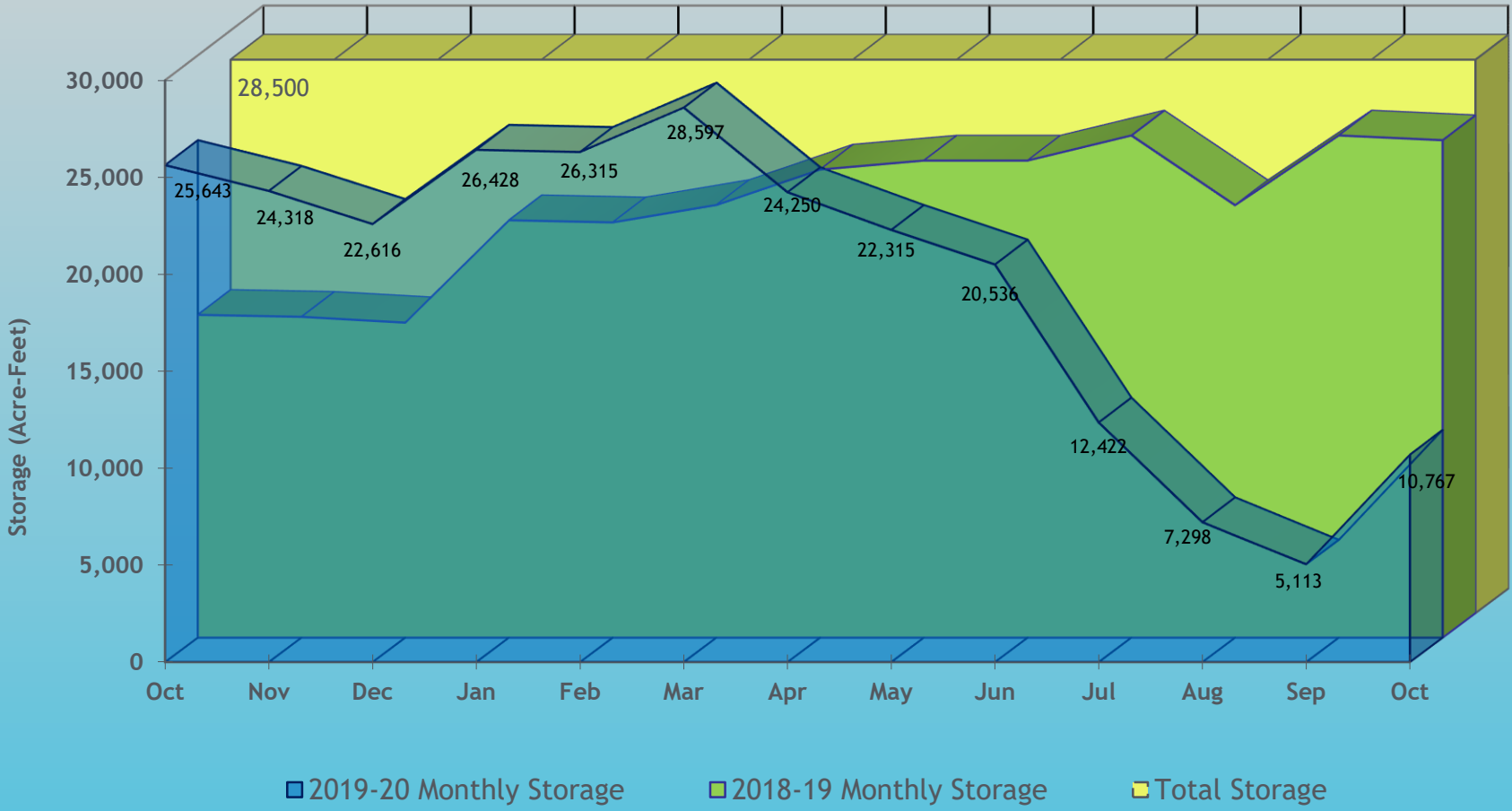
North Sterling Reservoir (District 64 - Agricultural)



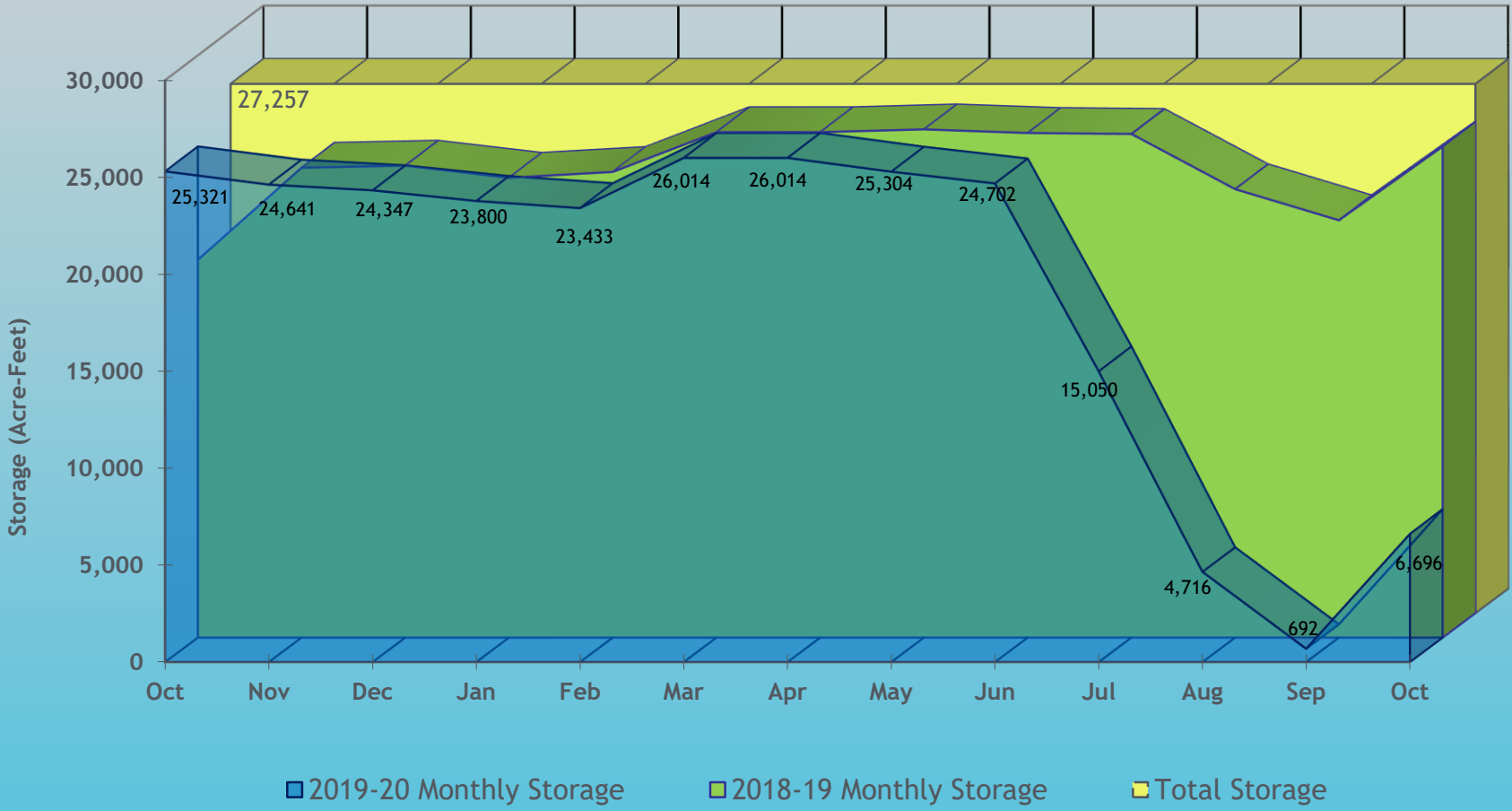
Empire Reservoir (District 1 - Agricultural)



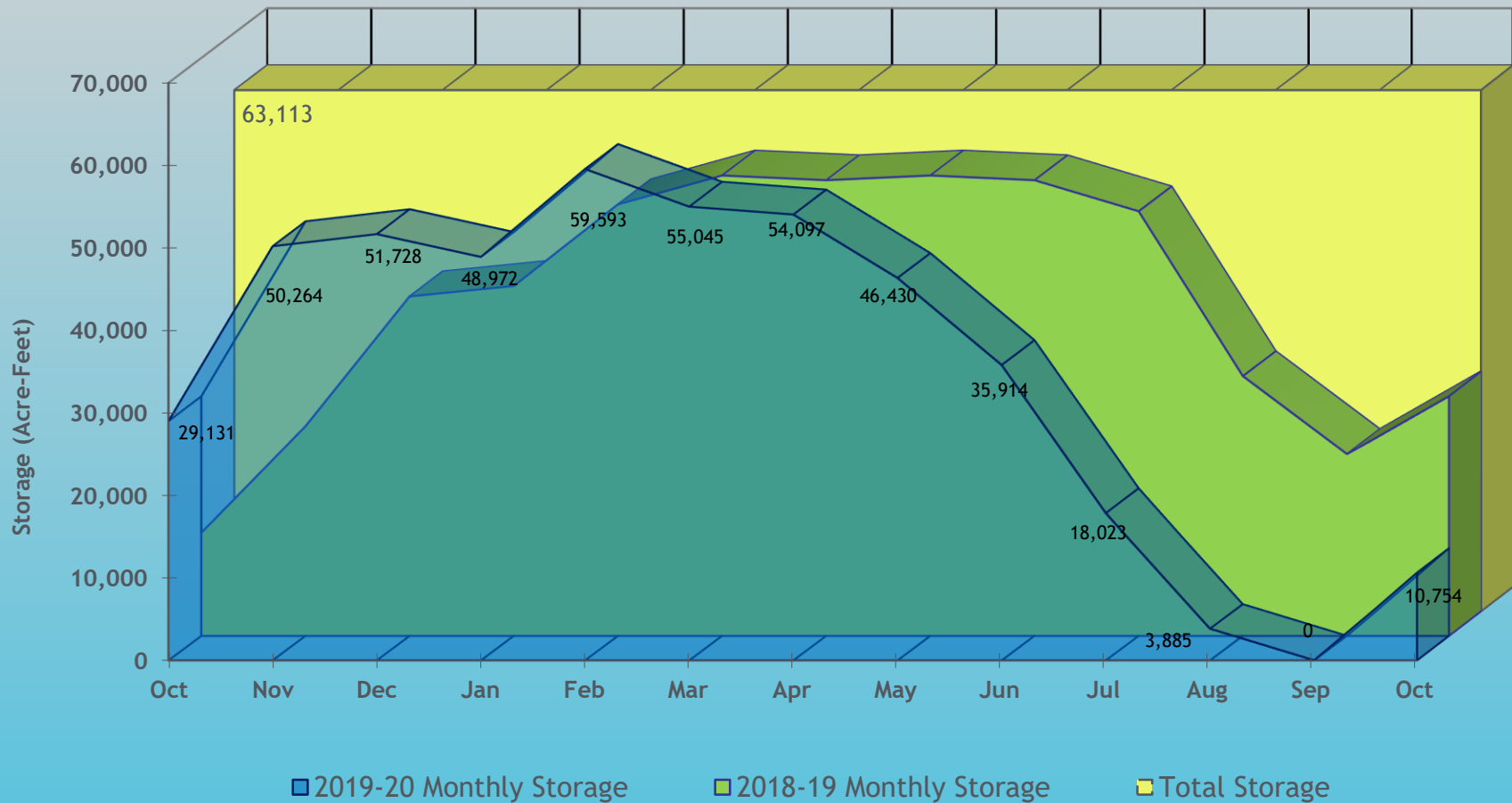
Prewitt Reservoir (District 64 - Agricultural)



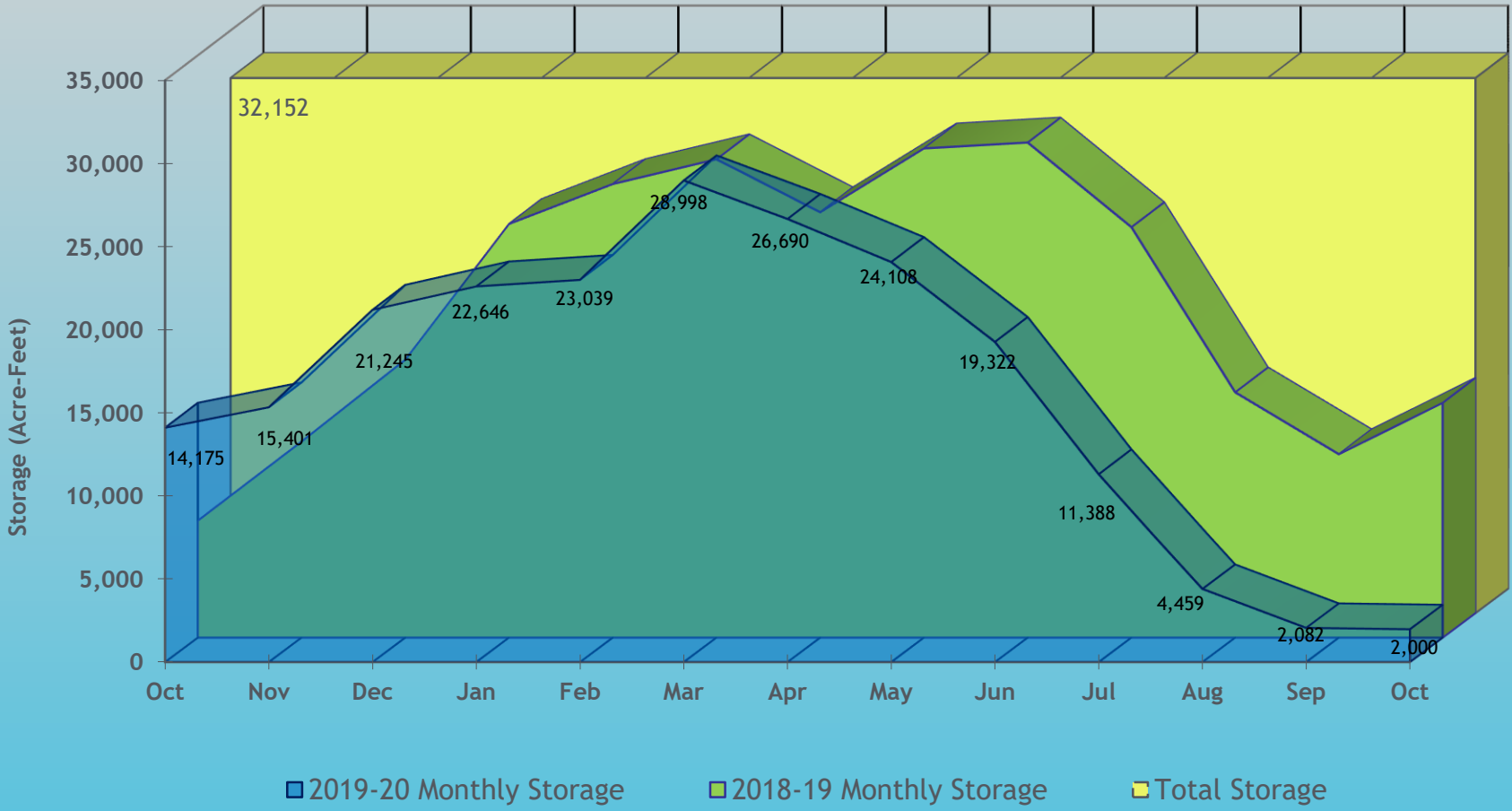
Jackson Reservoir (District 1 - Agricultural)



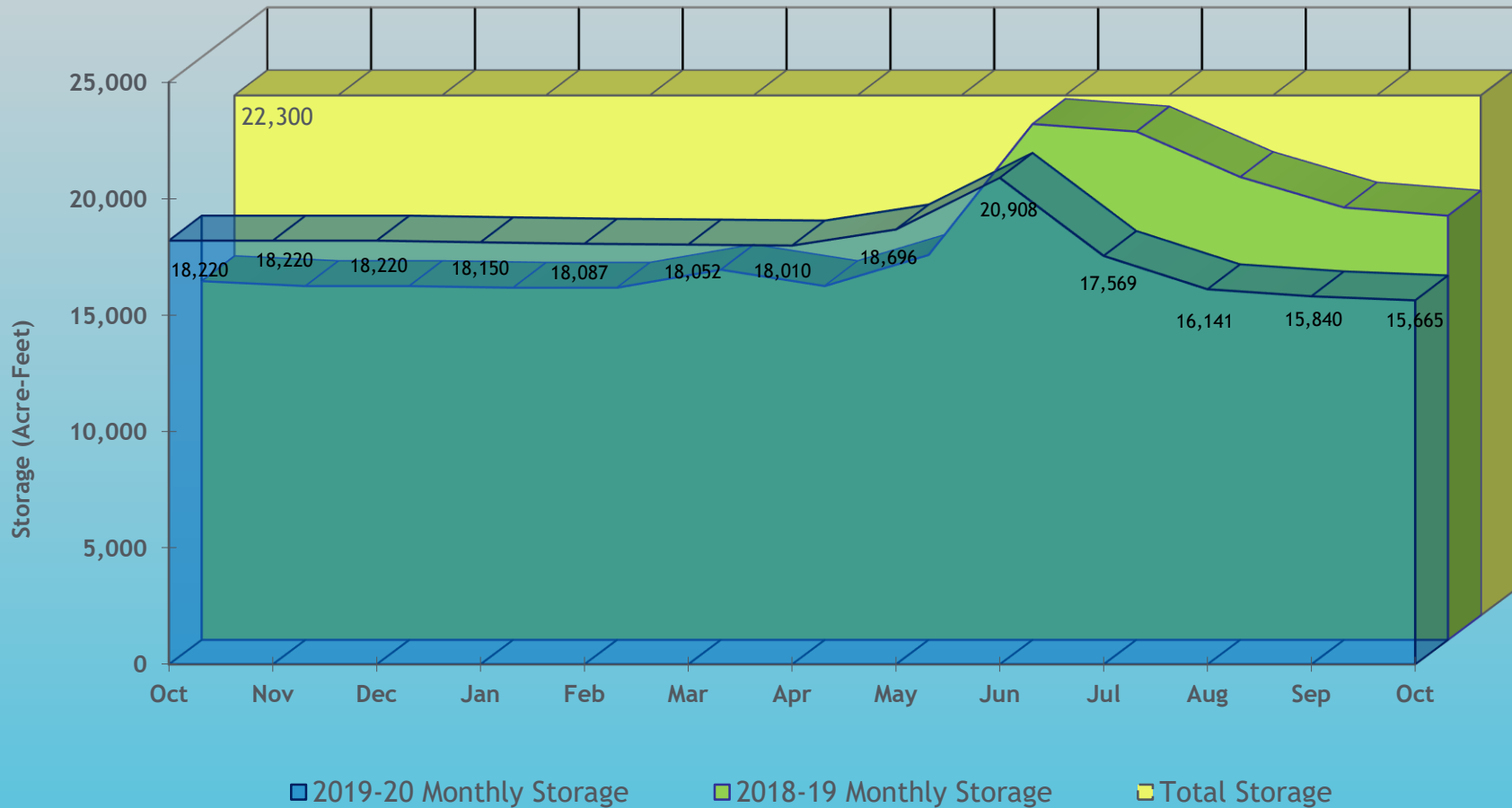
Riverside Reservoir (District 1 - Agricultural)



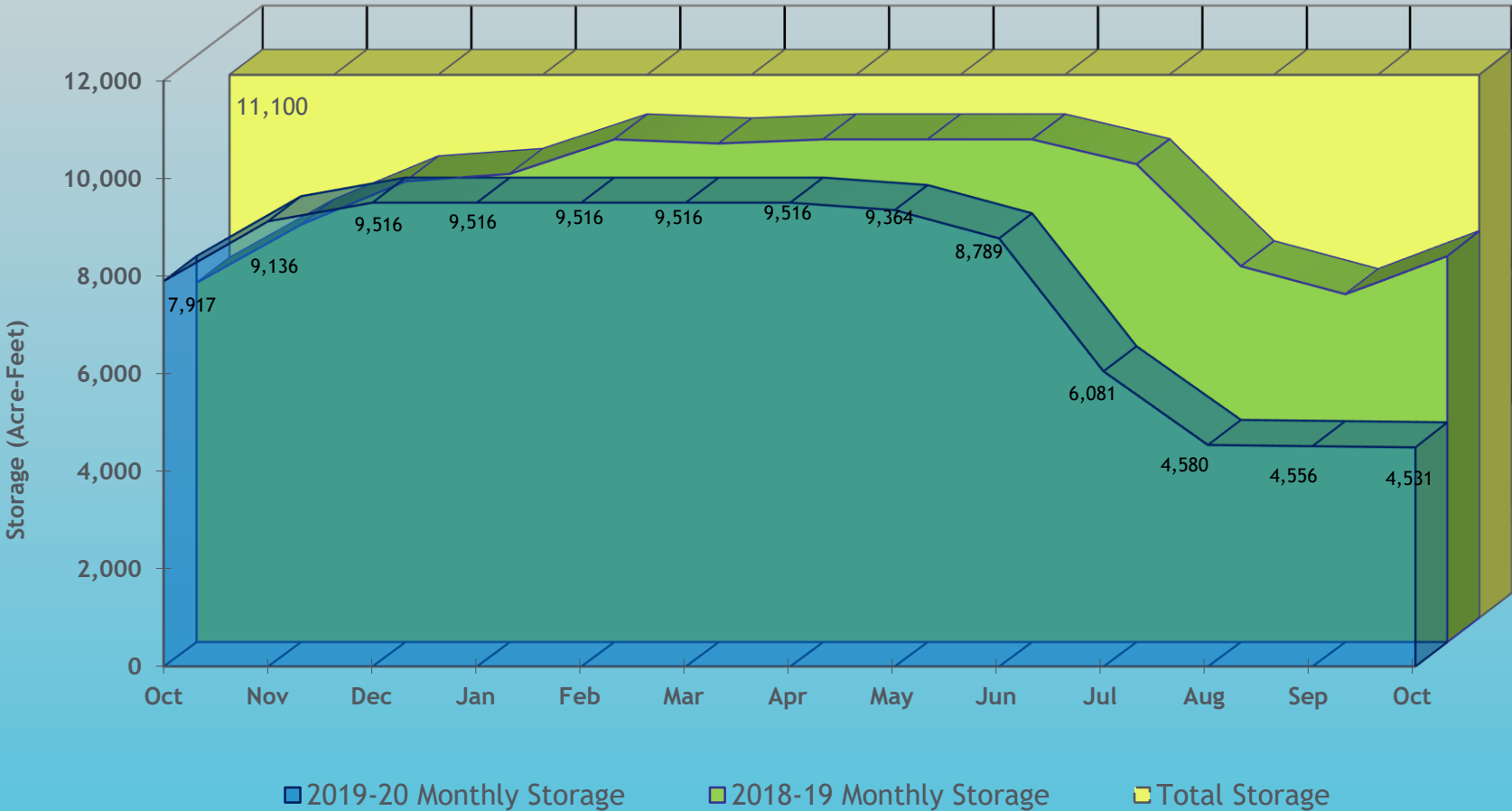
Barr Reservoir (District 2 - Agricultural)



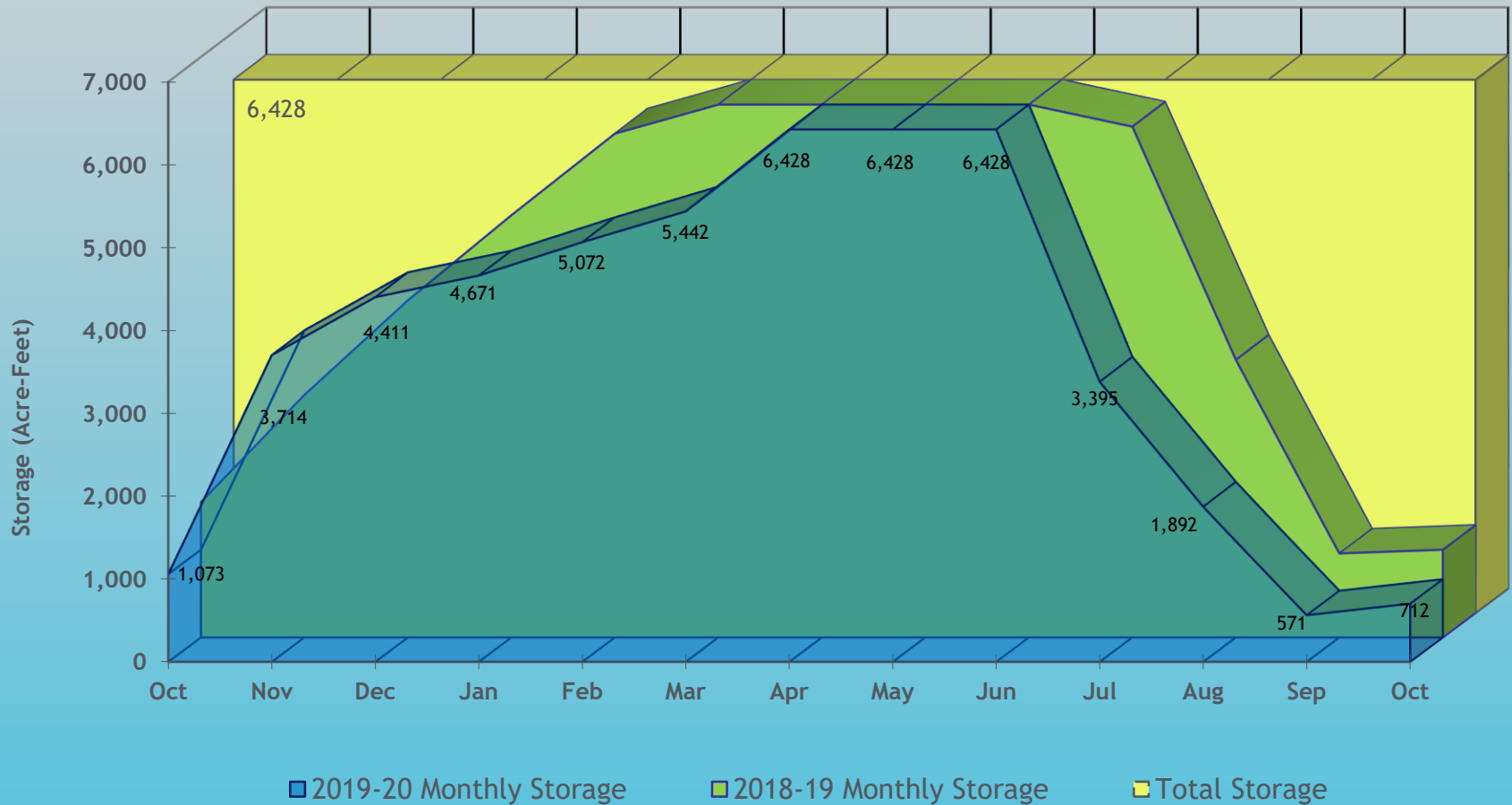
Cobb Reservoir (District 3, Poudre River - Agricultural)



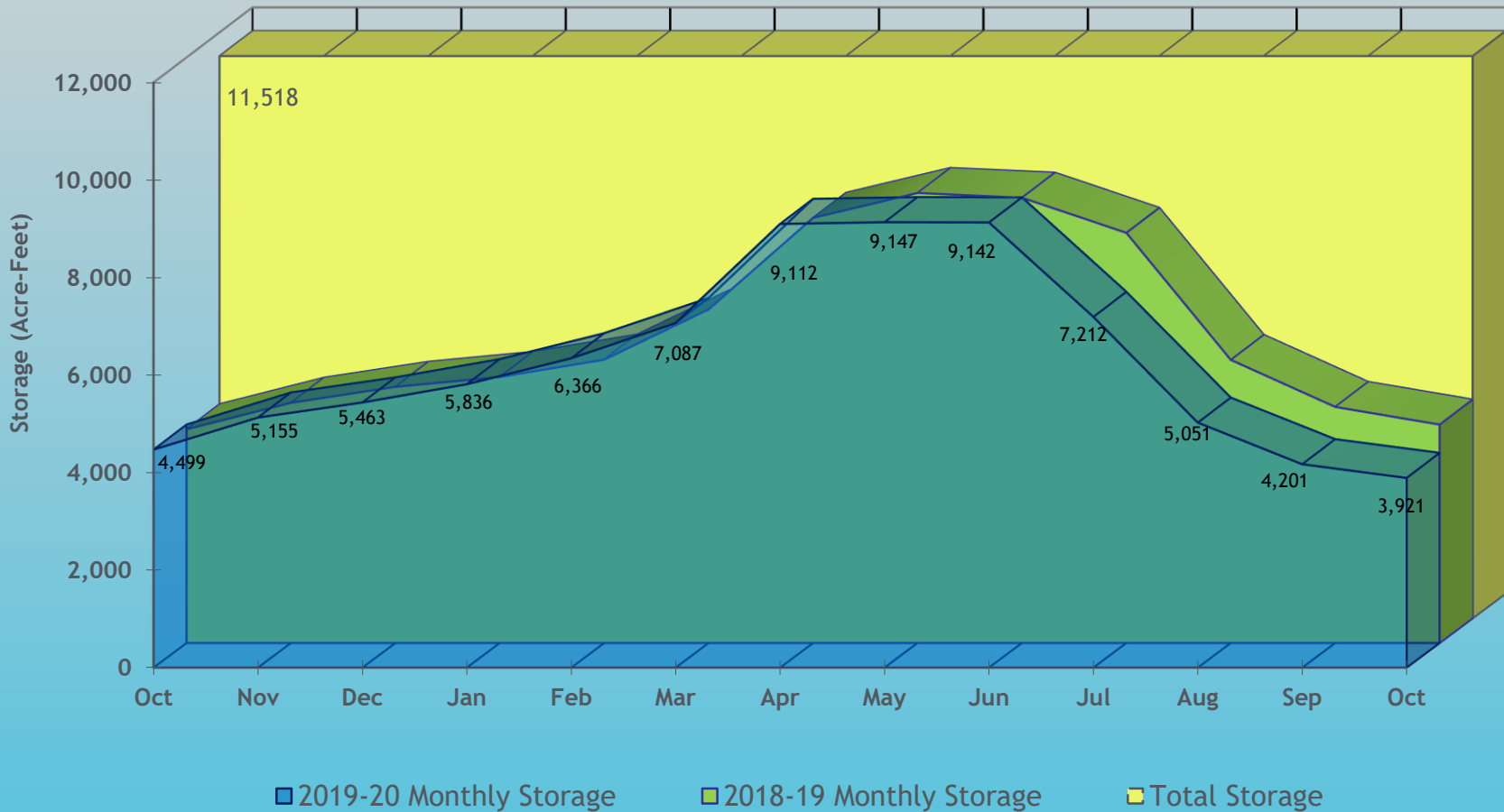
Fossil Creek Reservoir (District 3, Poudre River - Agricultural)



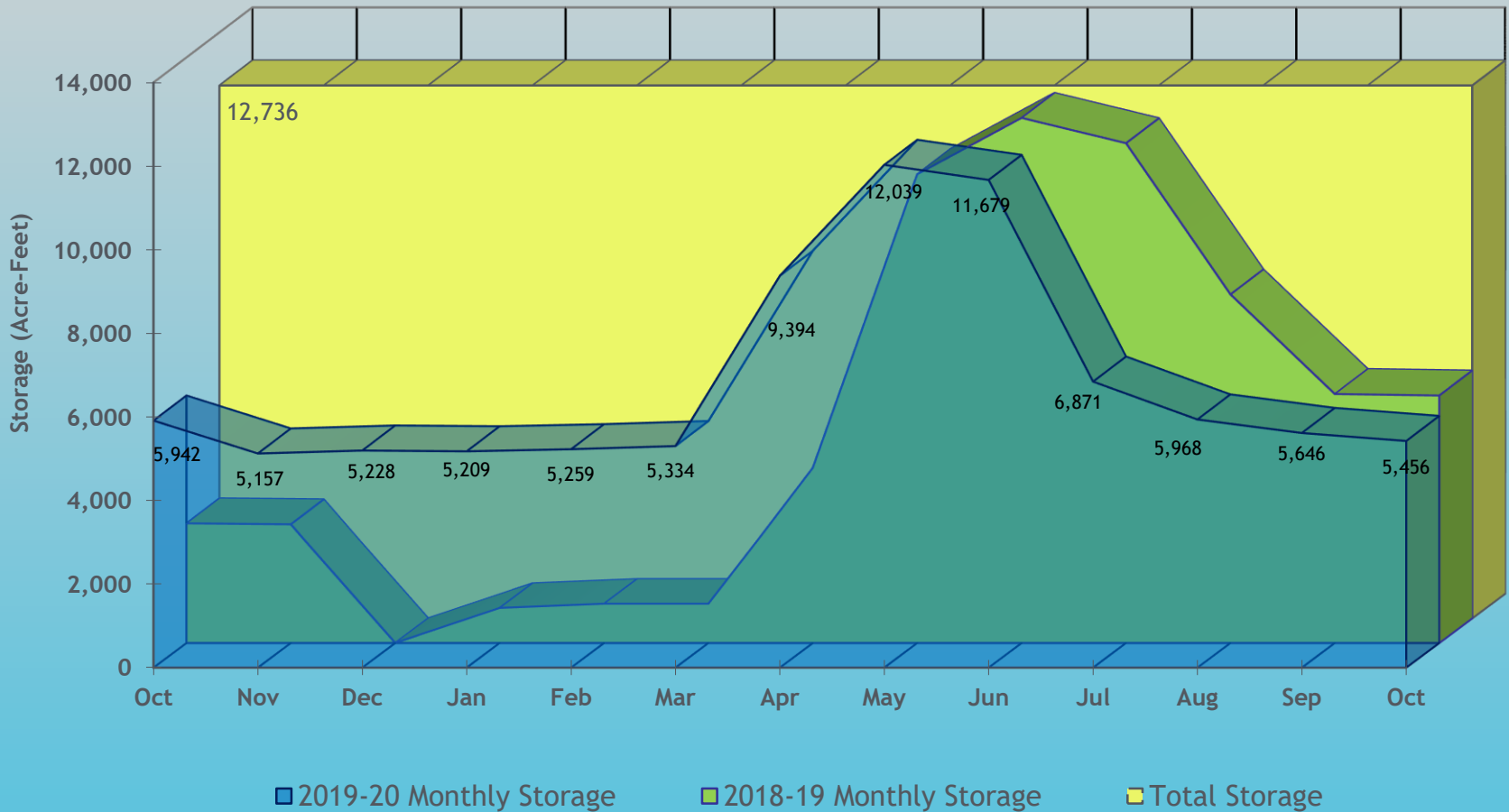
Halligan Reservoir (District 3, Poudre River - Agricultural)



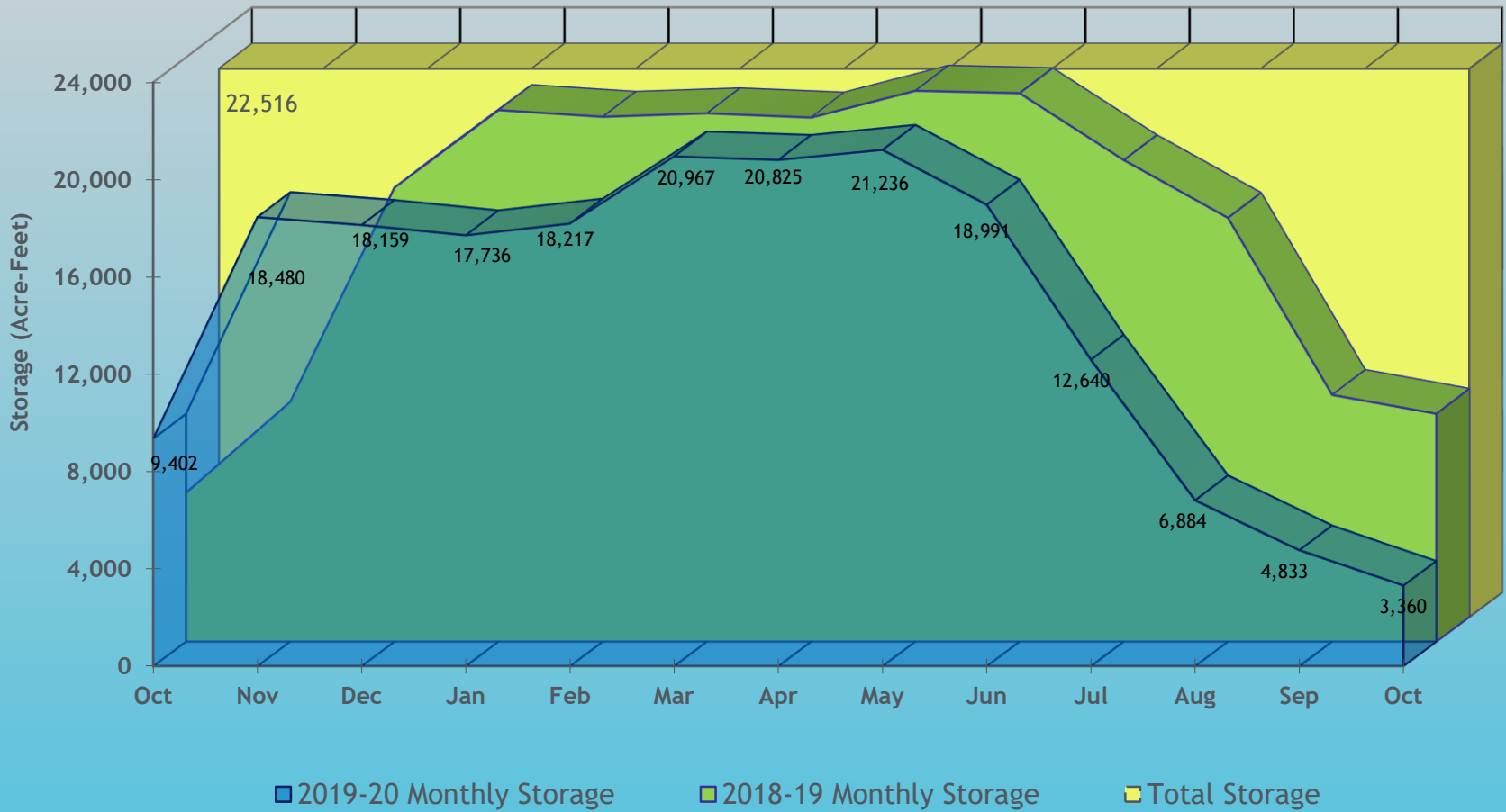
Marshall Lake (District 6, Boulder Creek - Agricultural)



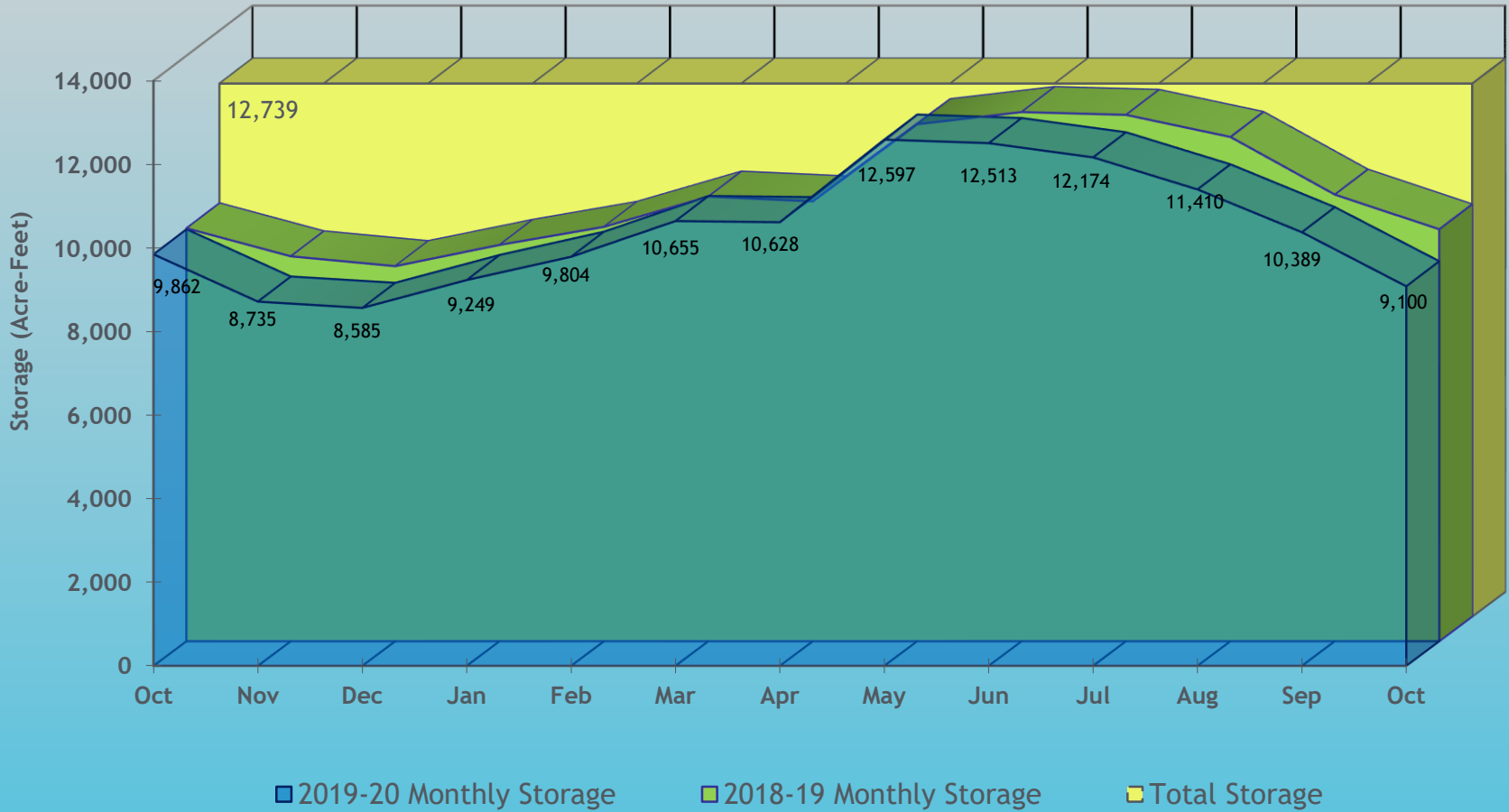
Loveland Greeley Reservoir (District 4, Big Thompson River - Agricultural)



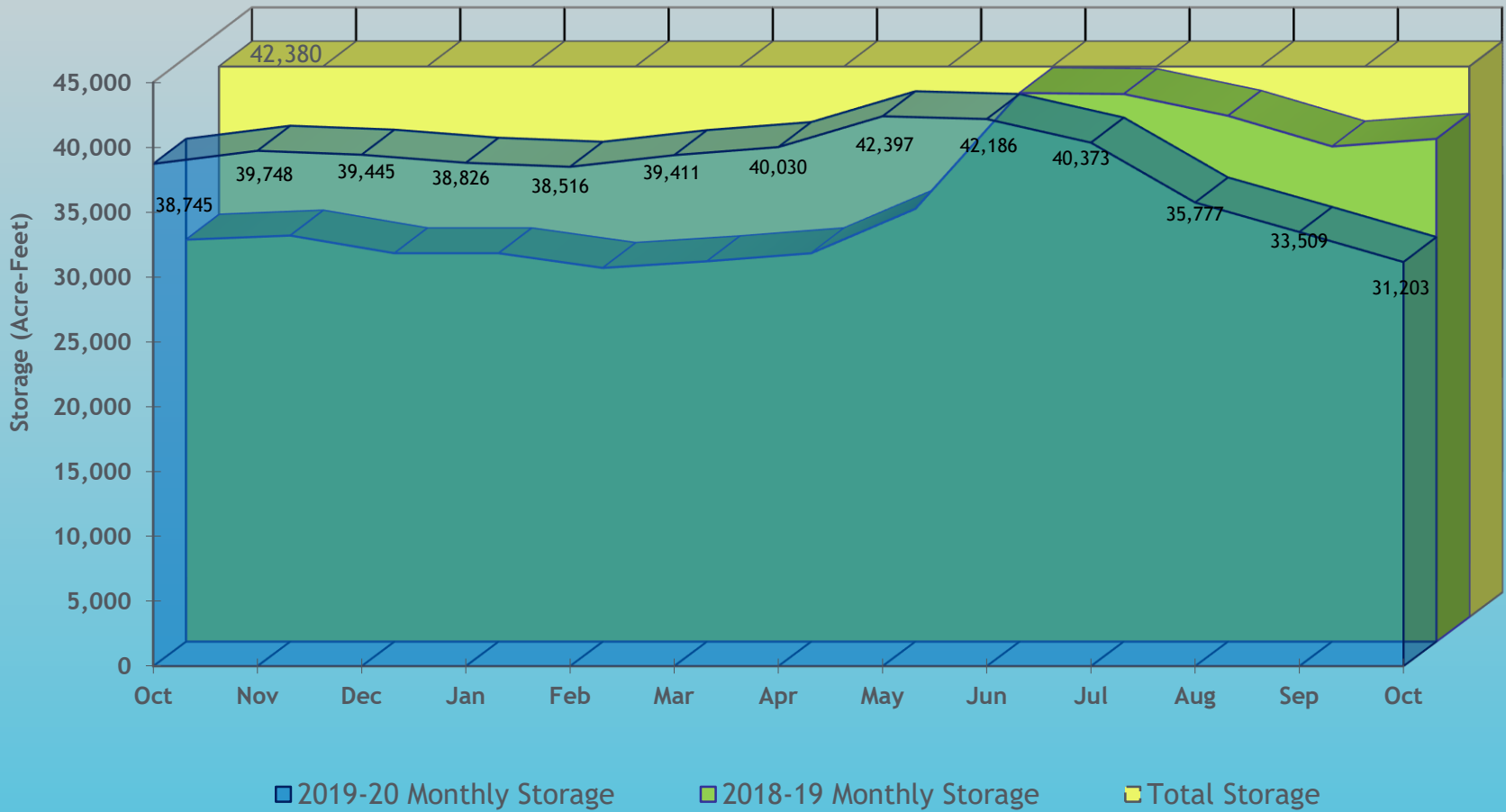
Milton Reservoir (District 2 - Agricultural)



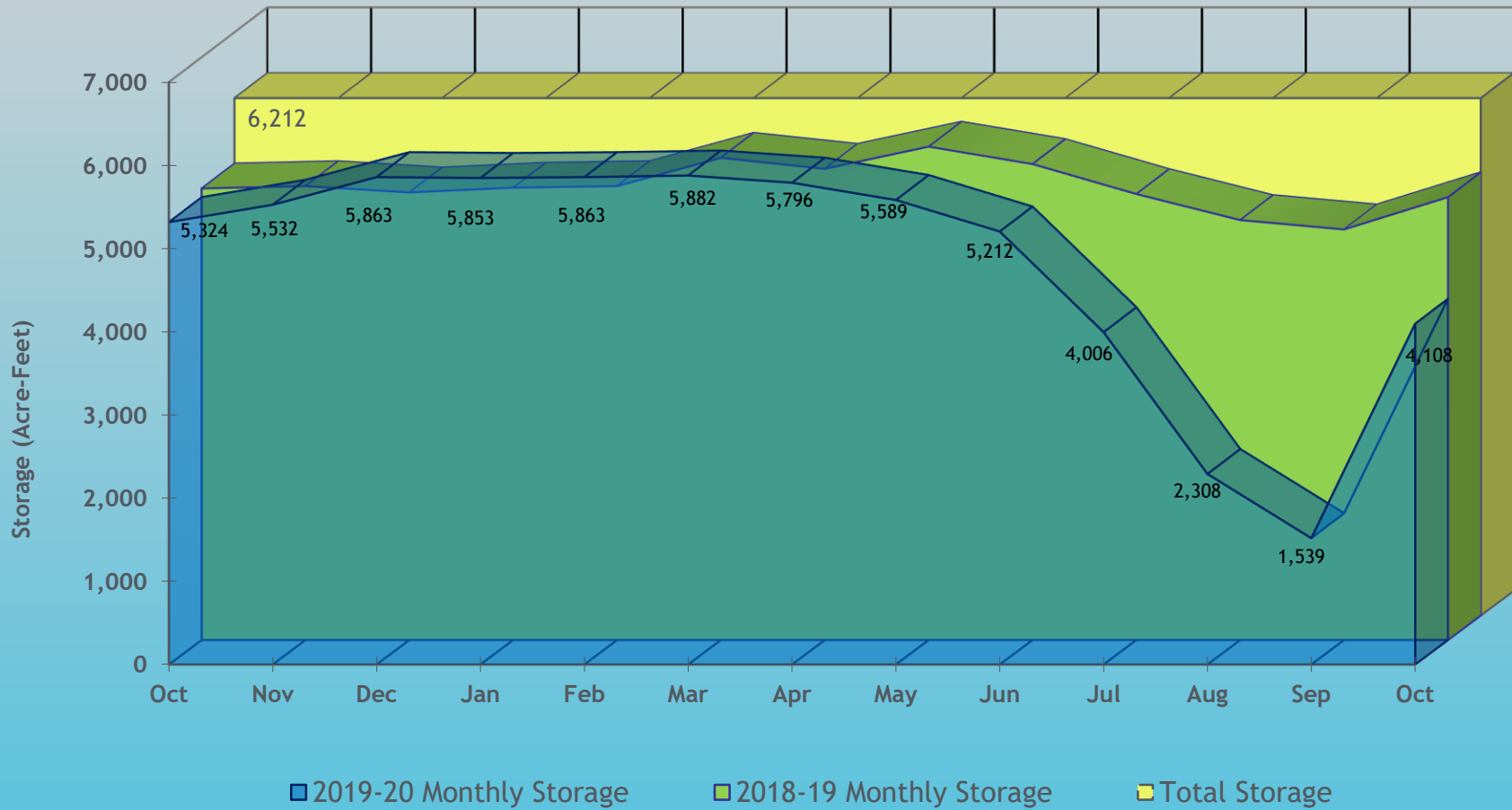
Union Reservoir (District 5, St. Vrain Creek - Agricultural)



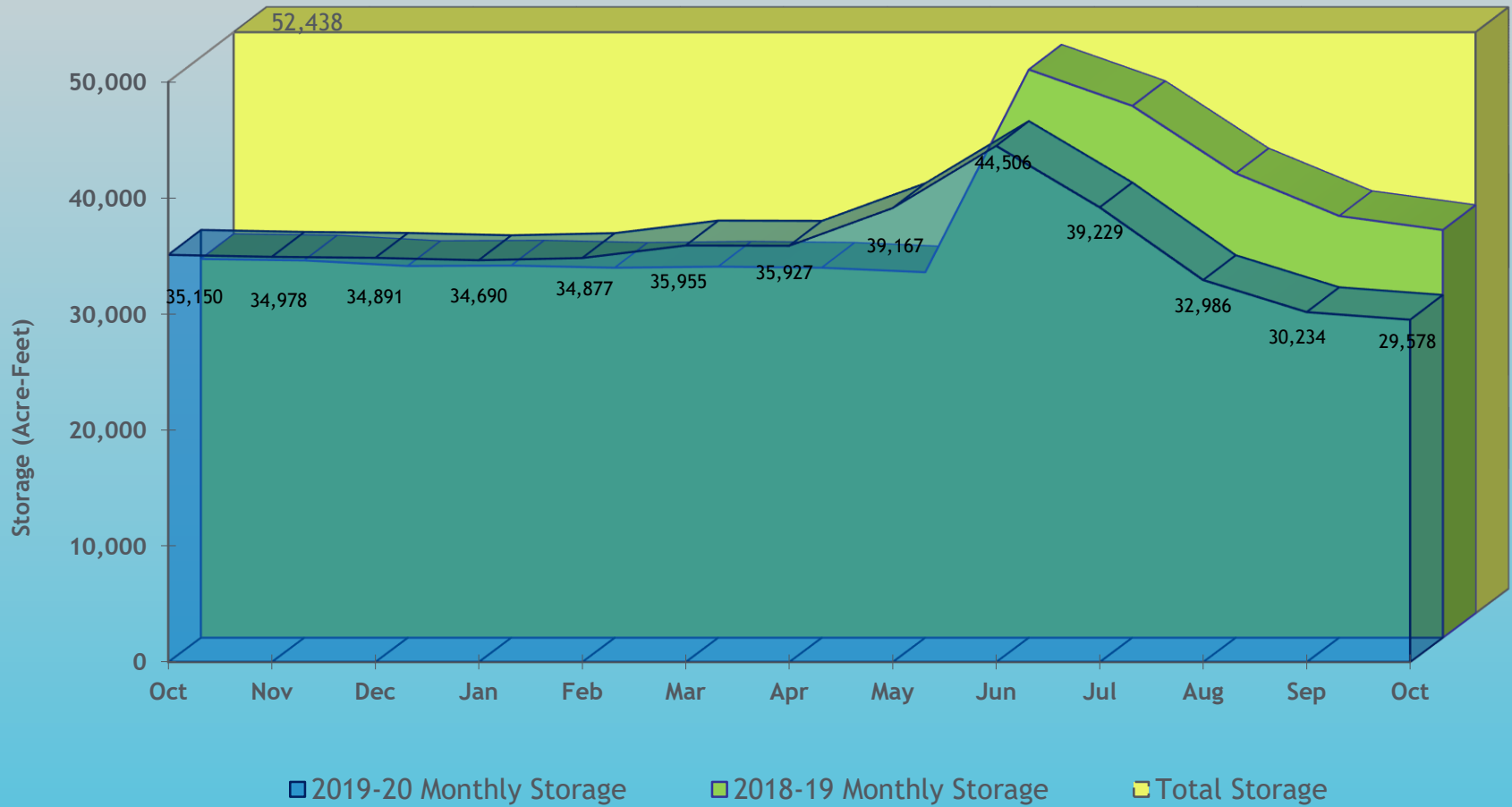
Standley Lake (Agricultural)



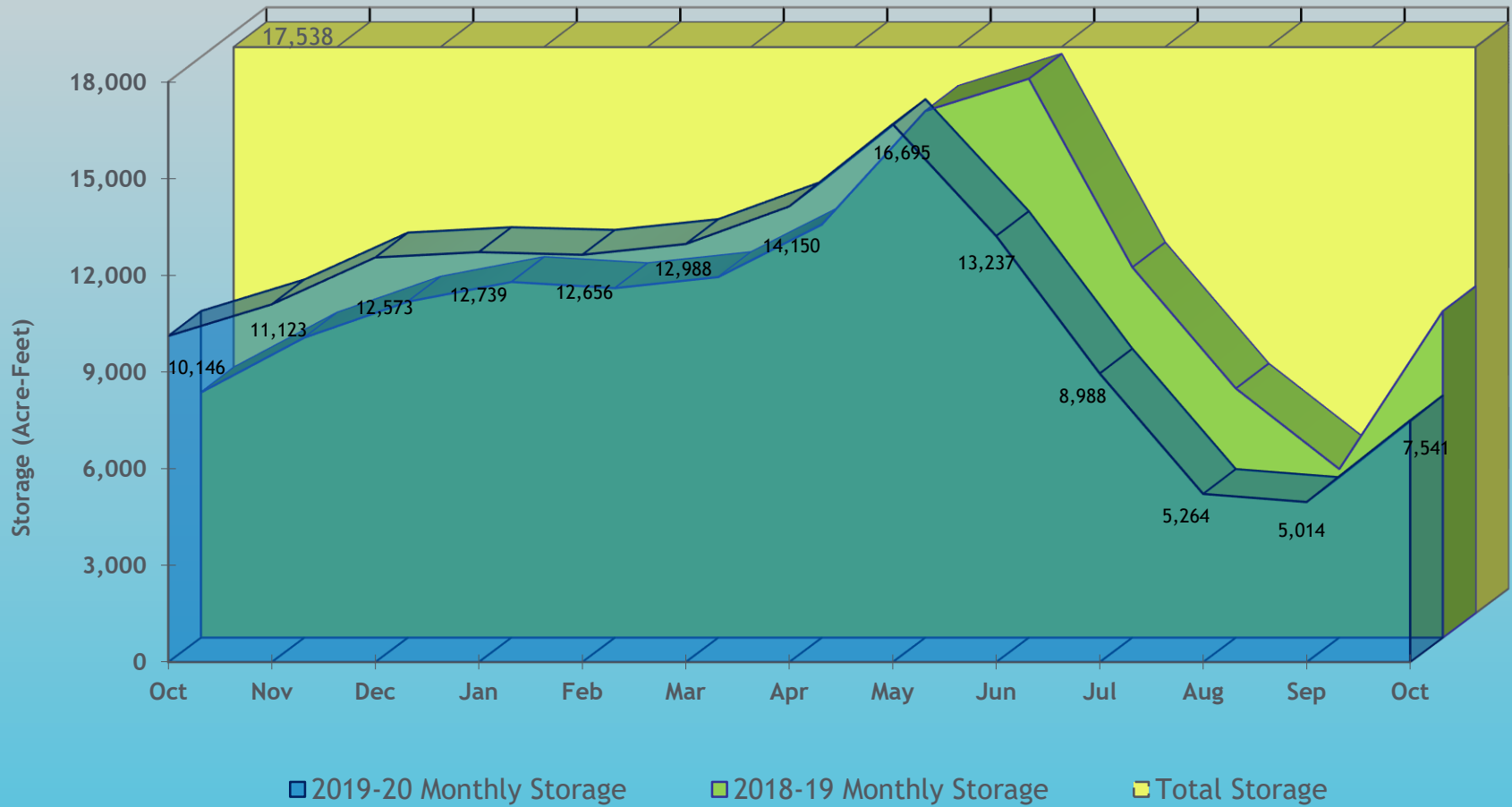
Lower Latham Reservoir (District 2 - Agricultural)



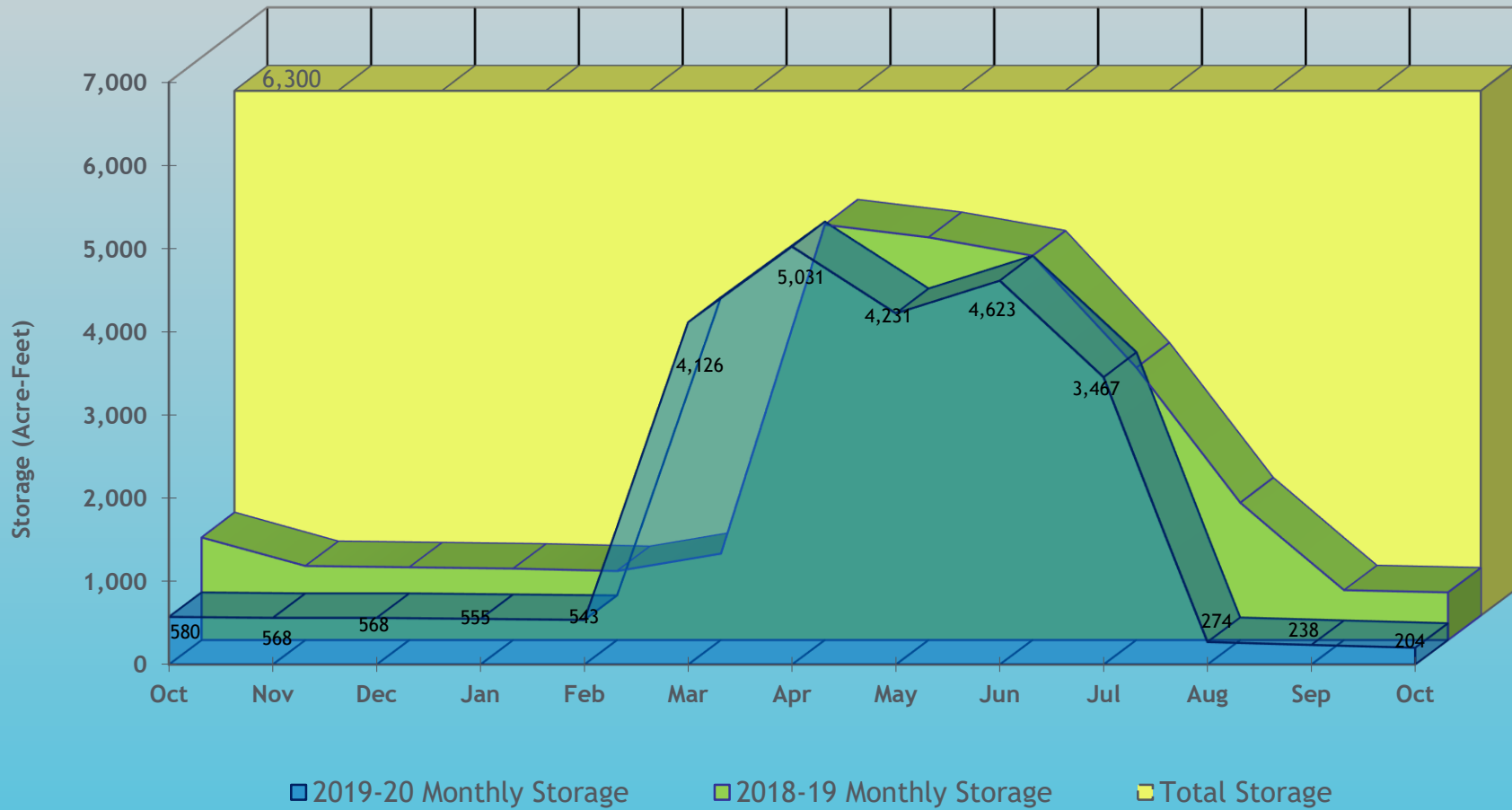
Boyd Lake (District 4, Big Thompson River - Agricultural)



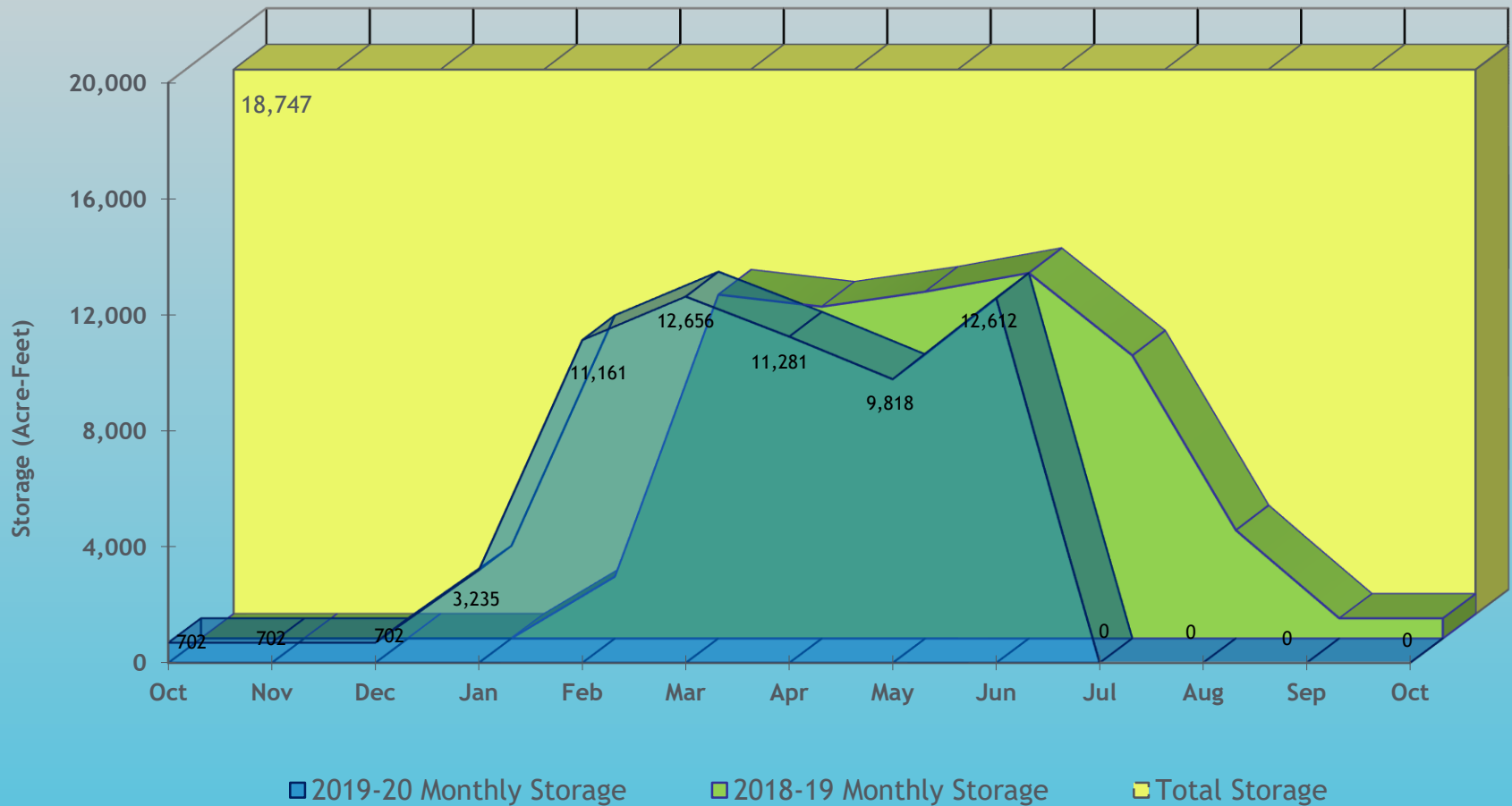
Windsor Reservoir (District 3, Poudre River - Agricultural)



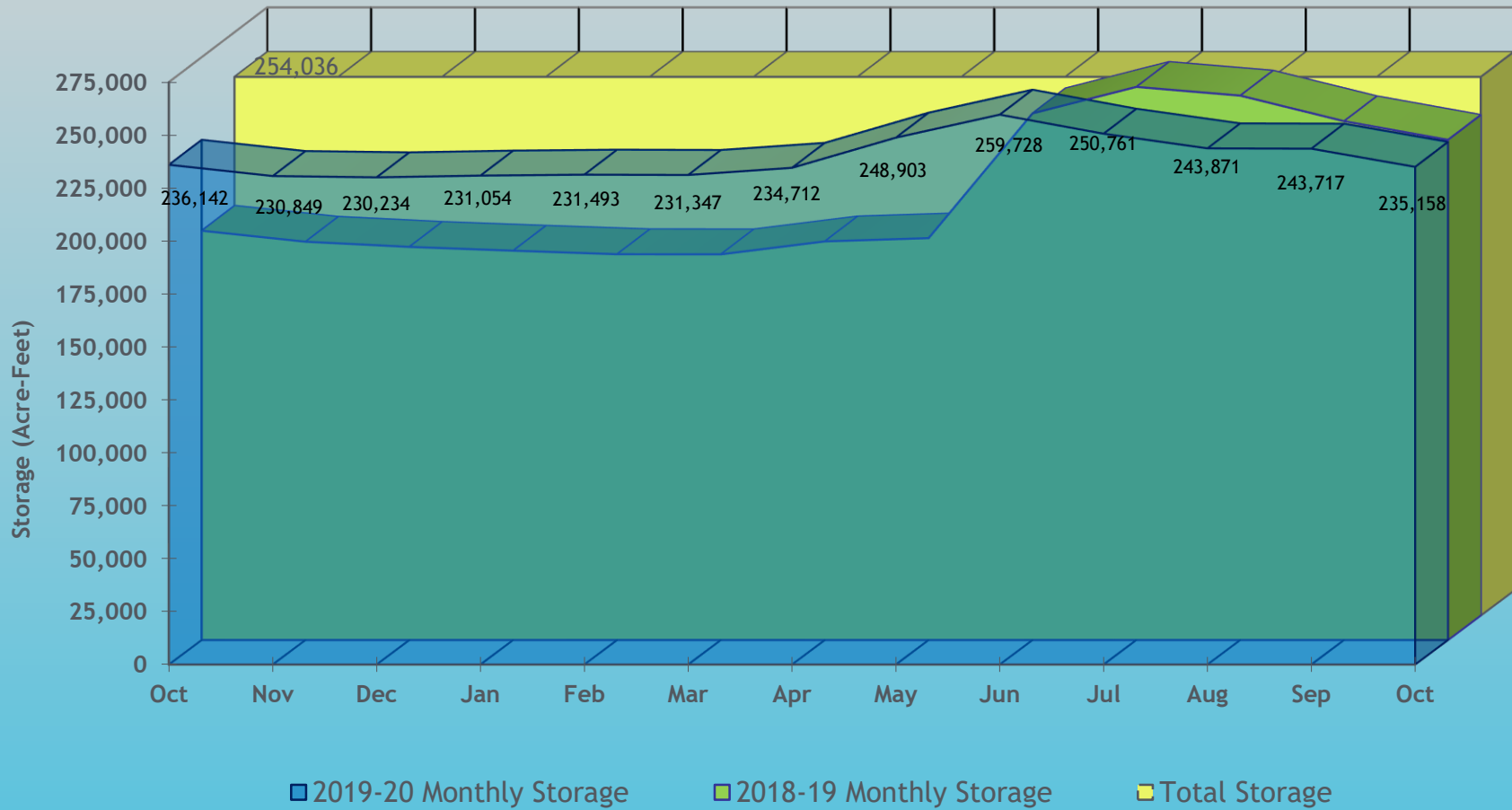
Prospect Reservoir (District 1 - Agricultural)



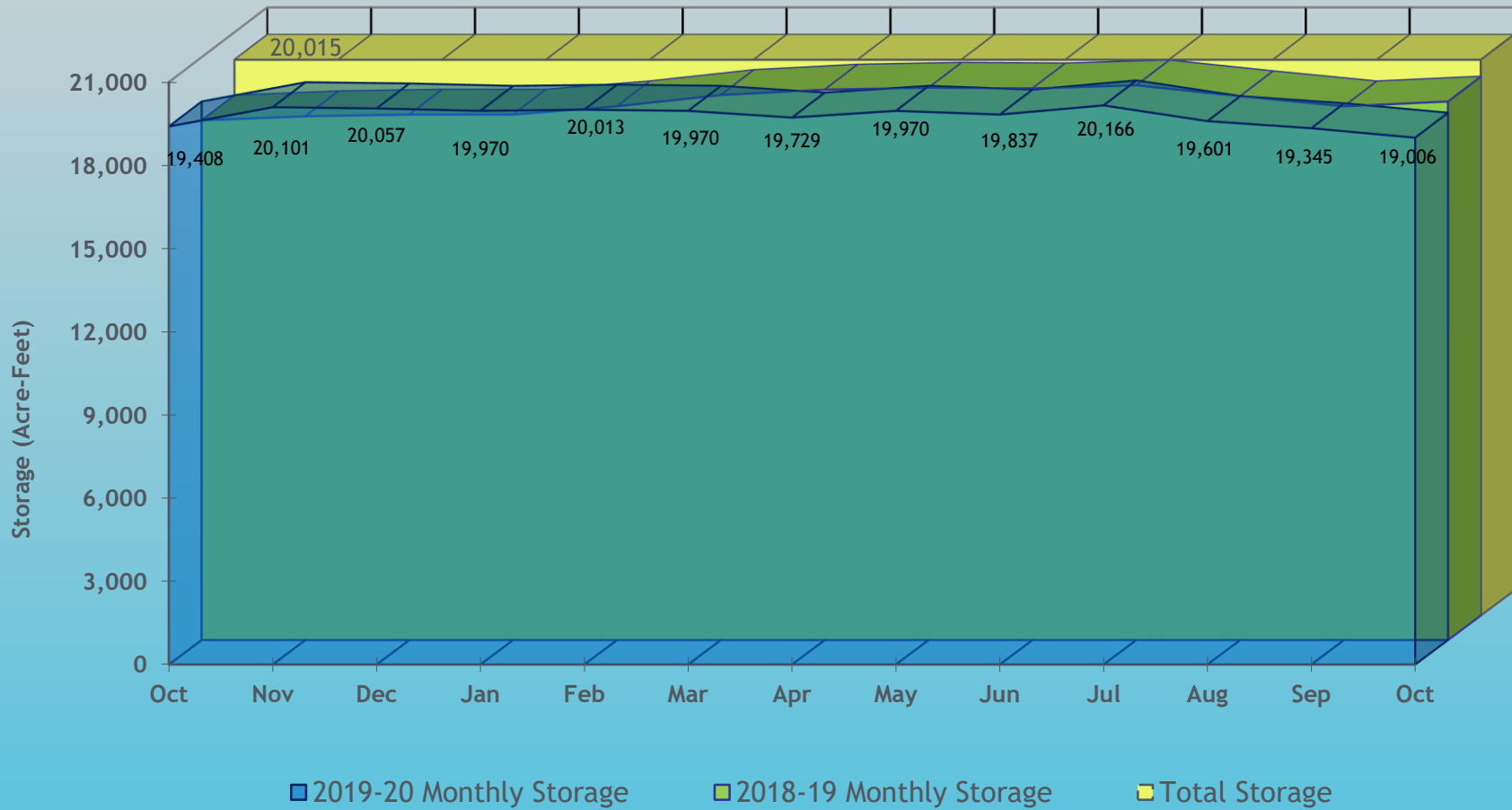
Horse Creek Reservoir (District 1 - Agricultural)



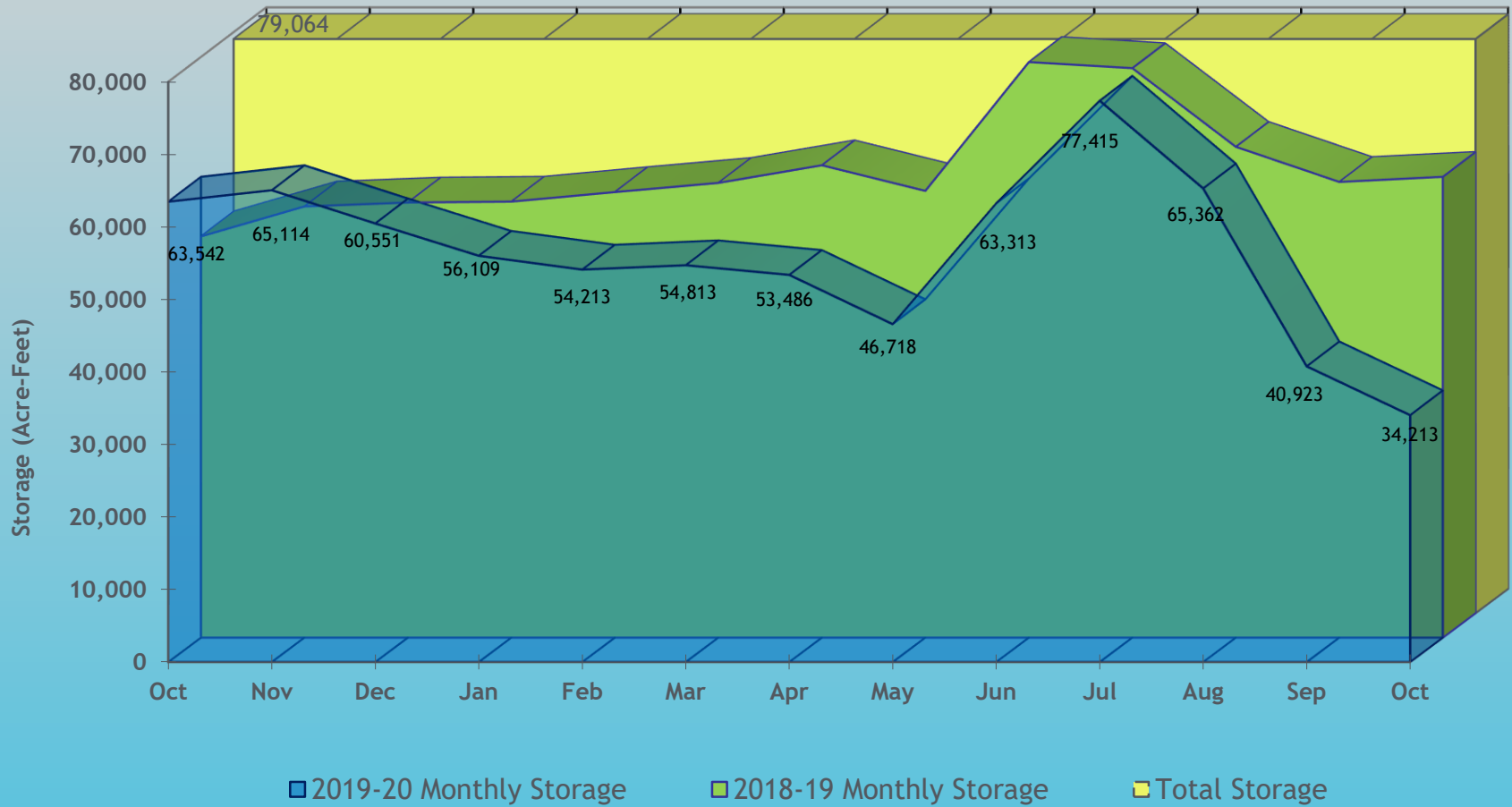
Dillon Reservoir (District 1 - Municipal)



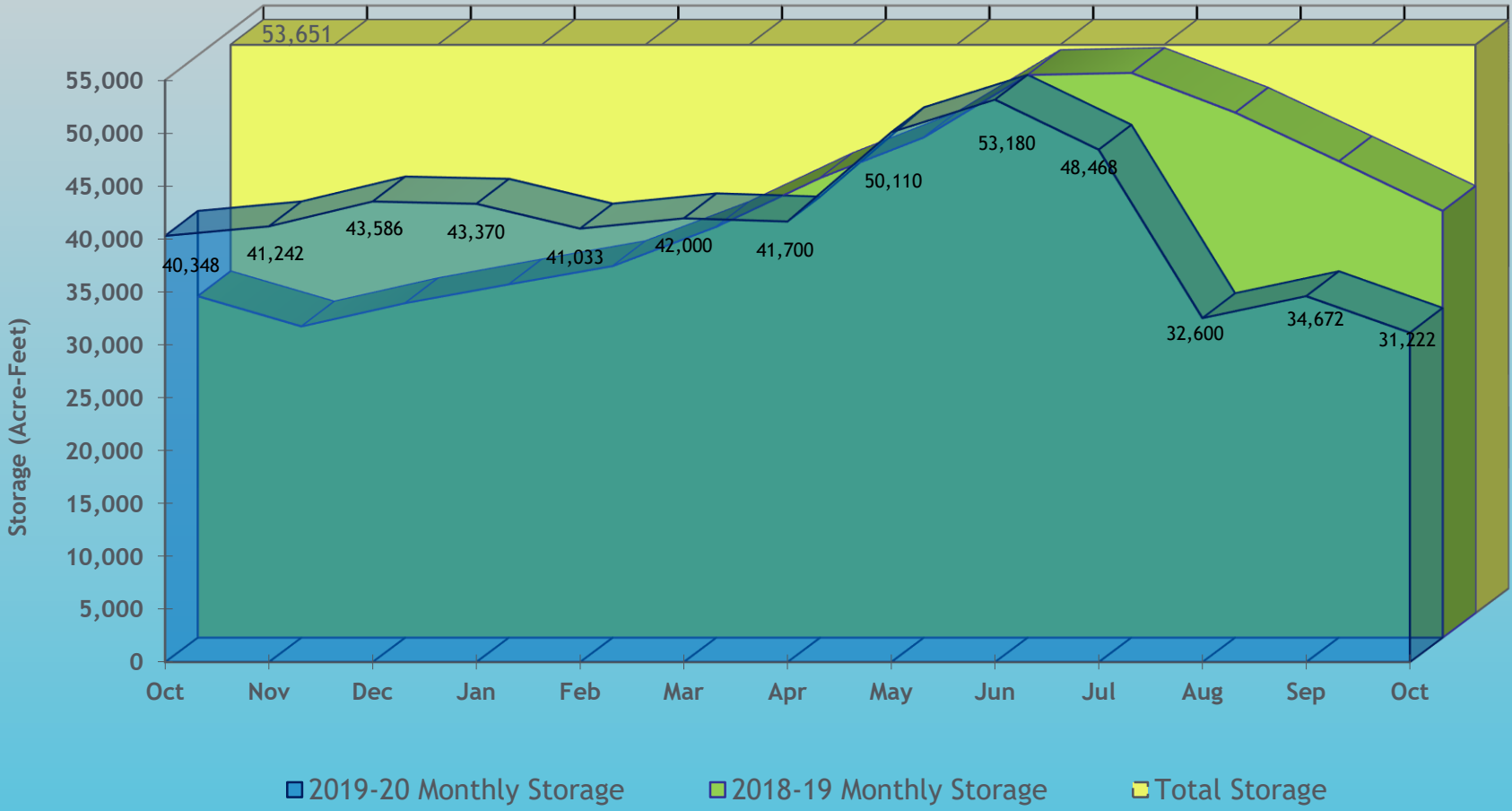
Antero Reservoir (District 23 - Municipal)



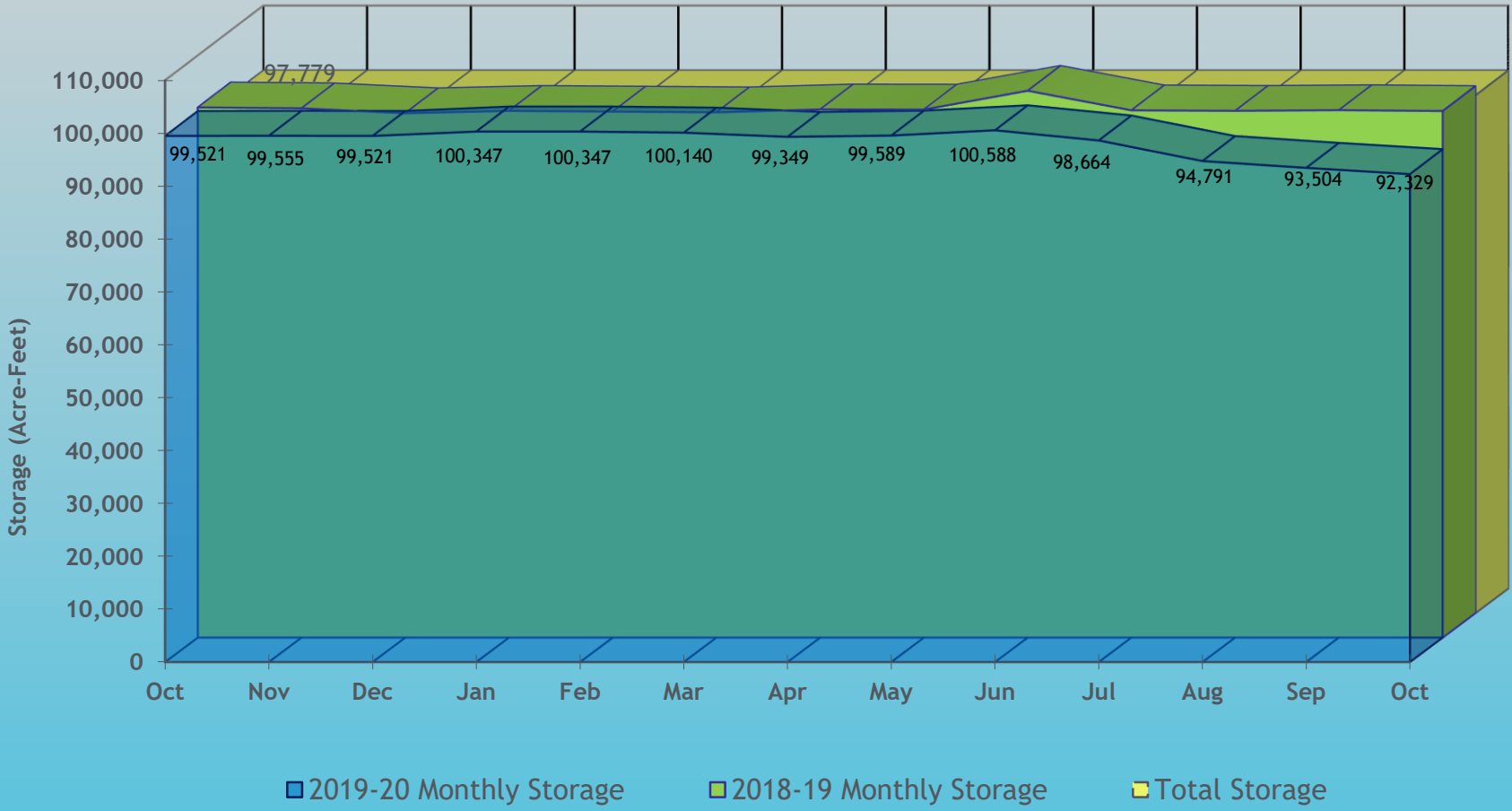
Cheesman Reservoir (District 80 - Municipal)



Spinney Mountain Reservoir (District 23 - Municipal)



Eleven Mile Reservoir (District 23 - Municipal)



Lake Granby

