



**COLORADO**  
Division of Water Resources  
Department of Natural Resources

## South Platte Summary May 2023

Compiled by Lee Cunning, P.E.

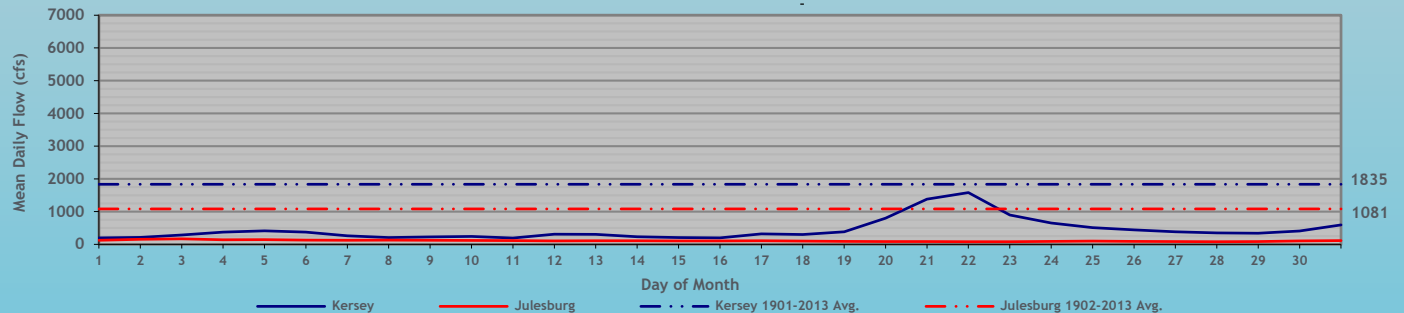
# COLORADO DIVISION OF WATER RESOURCES, DIVISION 1

## MONTH OF May 2023

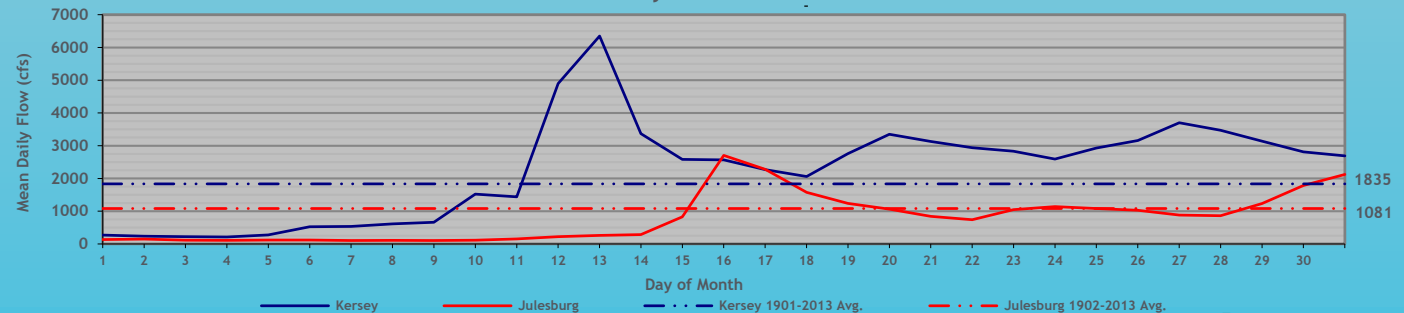
RESERVOIR	FULL ALLOWABLE CAPACITY (ACRE FEET)	FIRST OF MONTH (ACRE FEET)	END OF MONTH (ACRE FEET)	DISTRICT	CHANGE IN STORAGE (ACRE FEET)	% CHANGE IN STORAGE BASED ON FIRST OF MONTH STORAGE	% OF CURRENT FULL ALLOWABLE CAPACITY	% OF CURRENT FULL ALLOWABLE CAPACITY THIS MONTH LAST YEAR	SURCHARGE (ACRE FEET)
JULESBURG	22,666	19,366	20,252	64	886	5%	89%	79%	0
N STERLING	73,730	71,590	74,444	64	2,854	4%	100%	83%	714
PREWITT	28,500	28,250	30,125	64	1,875	7%	100%	78%	1,625
JACKSON	27,257	26,676	27,020	1	344	1%	99%	87%	0
EMPIRE	37,700	31,868	33,765	1	1,897	6%	90%	72%	0
RIVERSIDE	63,113	60,738	62,545	1	1,807	3%	99%	67%	0
BARR LAKE	32,152	27,399	31,936	2	4,537	17%	99%	67%	0
CHEESMAN	79,064	65,838	75,328	80	9,490	14%	95%	80%	0
ELEVEN MILE	97,779	99,212	99,109	23	-103	0%	100%	100%	1,330
SPINNEY	53,651	28,719	39,081	23	10,362	36%	73%	67%	0
ANTERO	20,015	20,406	20,101	23	-305	-1%	100%	100%	86

RIVER GAGES	MEAN DAILY FLOW (CFS)
<b>KERSEY</b>	<b>2262</b>
<b>JULESBURG</b>	<b>792</b>
<b>THIS MONTH LAST YEAR</b>	
<b>KERSEY</b>	<b>438</b>
<b>JULESBURG</b>	<b>110</b>
<b>MEAN FOR PERIOD OF RECORD*</b>	
<b>KERSEY</b>	<b>1835</b>
<b>JULESBURG</b>	<b>1081</b>
*Kersey 1901 - 2016	
*Julesburg 1902 - 2016	

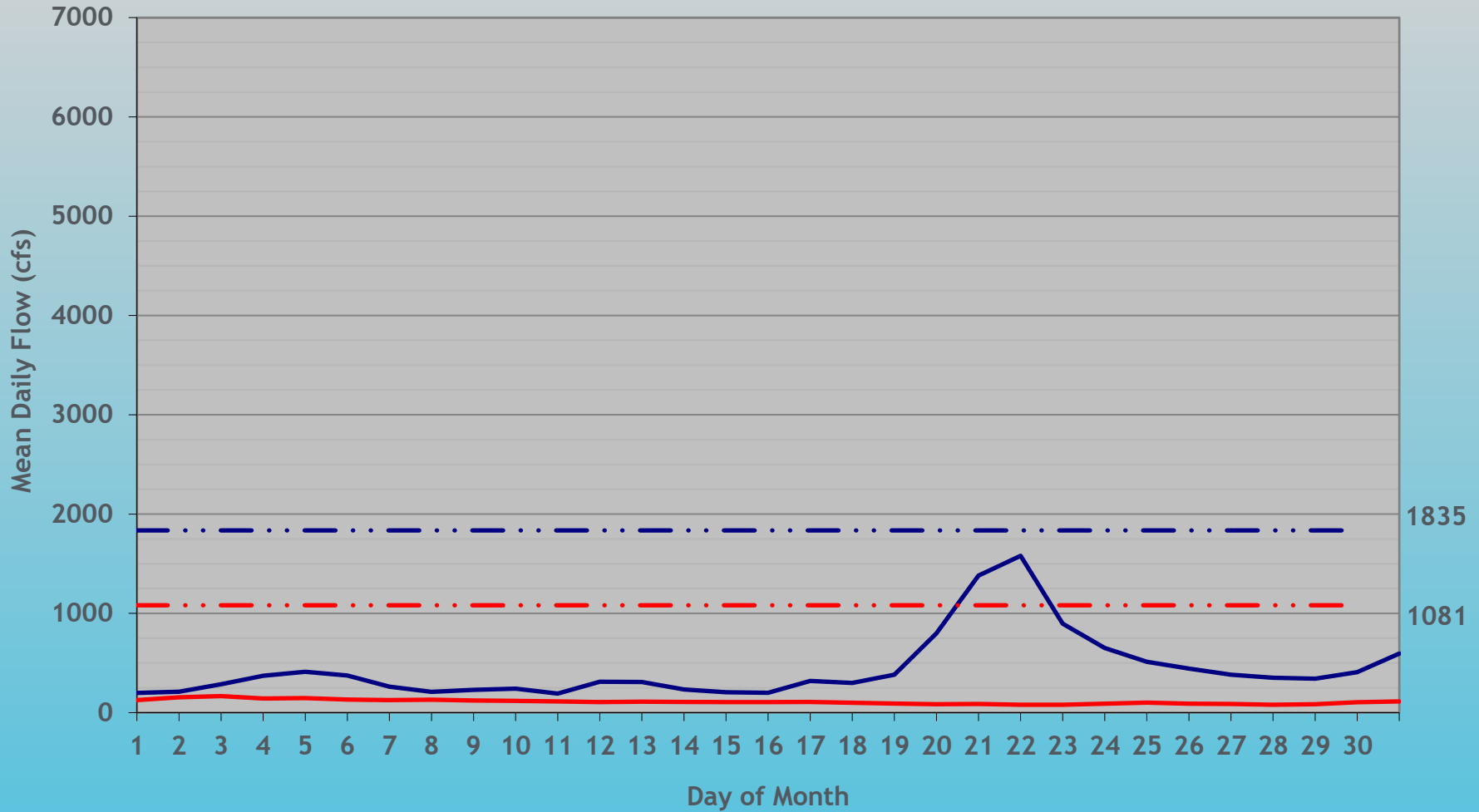
**KERSEY and JULESBURG  
May 2022**



**KERSEY and JULESBURG  
May 2023**

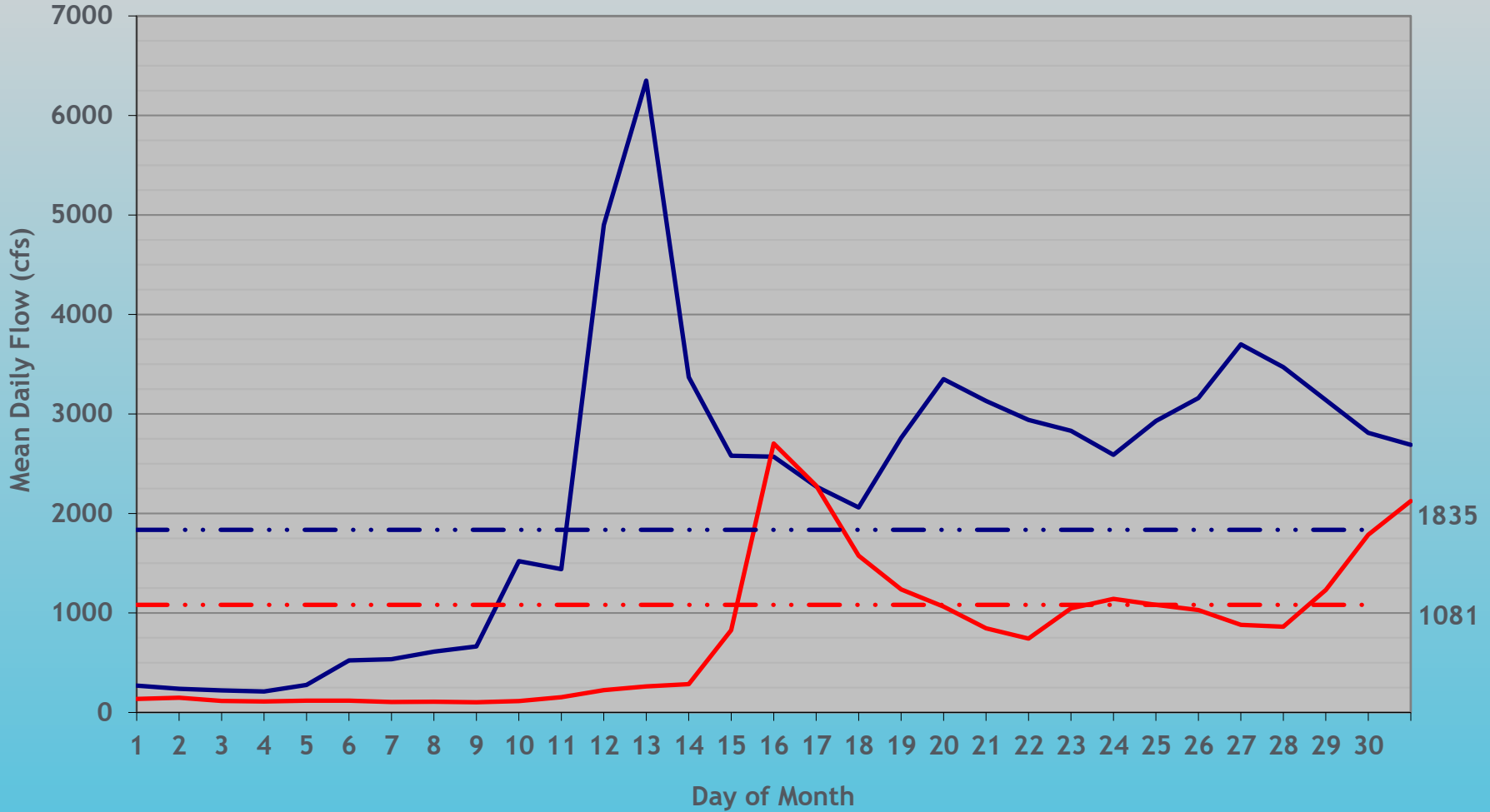


# KERSEY and JULESBURG May 2022



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

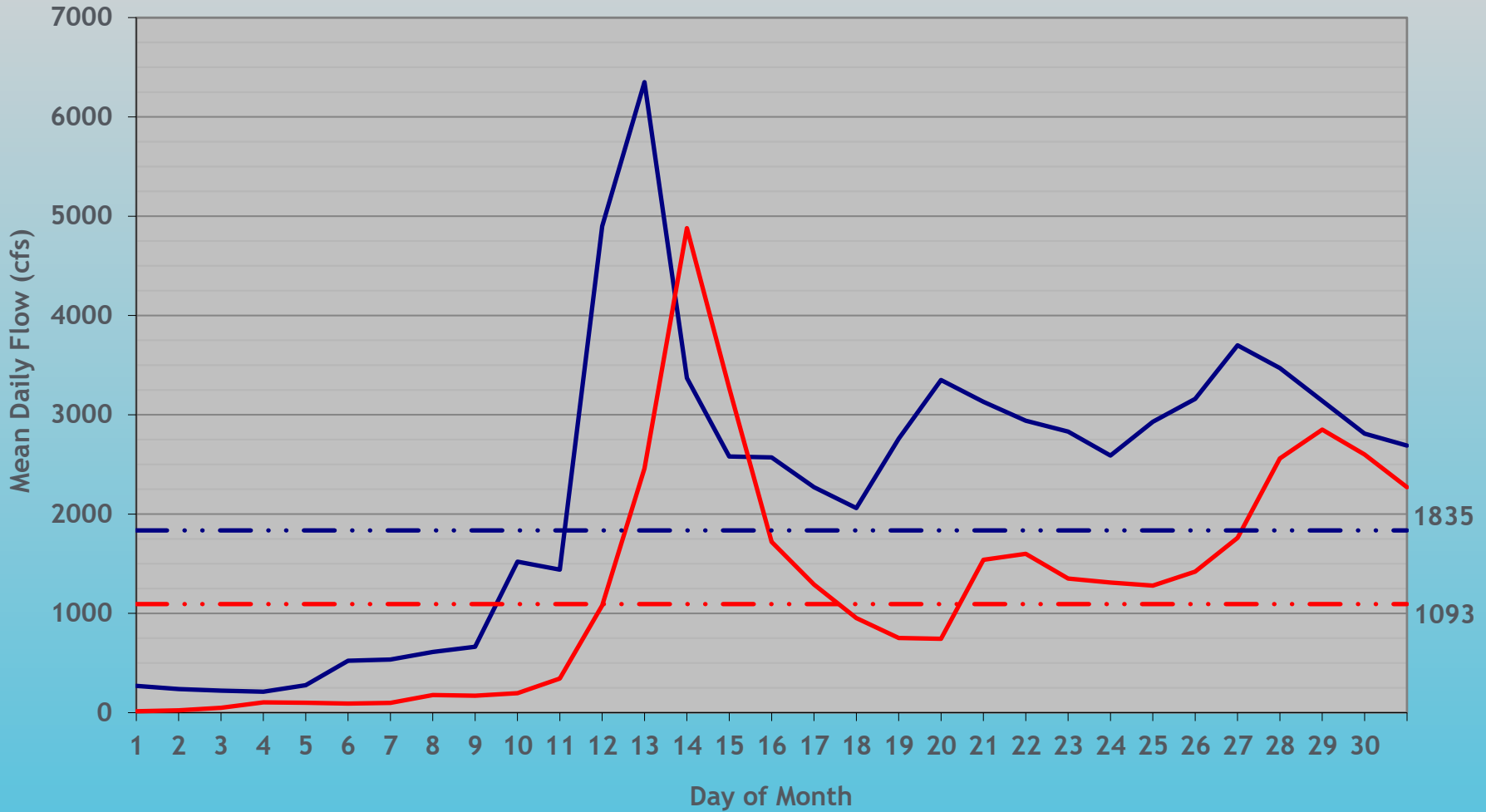
# KERSEY and JULESBURG May 2023



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

# KERSEY and BALZAC

## May 2023



— 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 2023 Mean Monthly Flow	Month	Historic* Mean Flow	Historic* Max Flow	Year	Historic* Min Flow	Year	IY 2023 Mean Monthly Flow
Oct	667	6180	1984	66	1954	586	Oct	299	3130	1984	4.2	1903	94
Nov	747	3650	1984	70	1934	746	Nov	335	2900	1984	4.2	1903	28
Dec	685	1890	1961	91	1934	624	Dec	401	1820	1984	13	2002	116
Jan	652	2160	1974	158	1935	712	Jan	512	2510	1970	21	2003	161
Feb	671	3060	1914	152	1935	470	Feb	578	3220	1930	29	2005	311
Mar	688	3470	1983	80	1935	583	Mar	512	12900	1910	15	1904	219
Apr	842	18100	1942	28	1955	405	Apr	514	14400	1942	4.0	1904	147
May	1728	26100	1973	29	1955	2262	May	994	18100	1973	12	1911	1081
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	

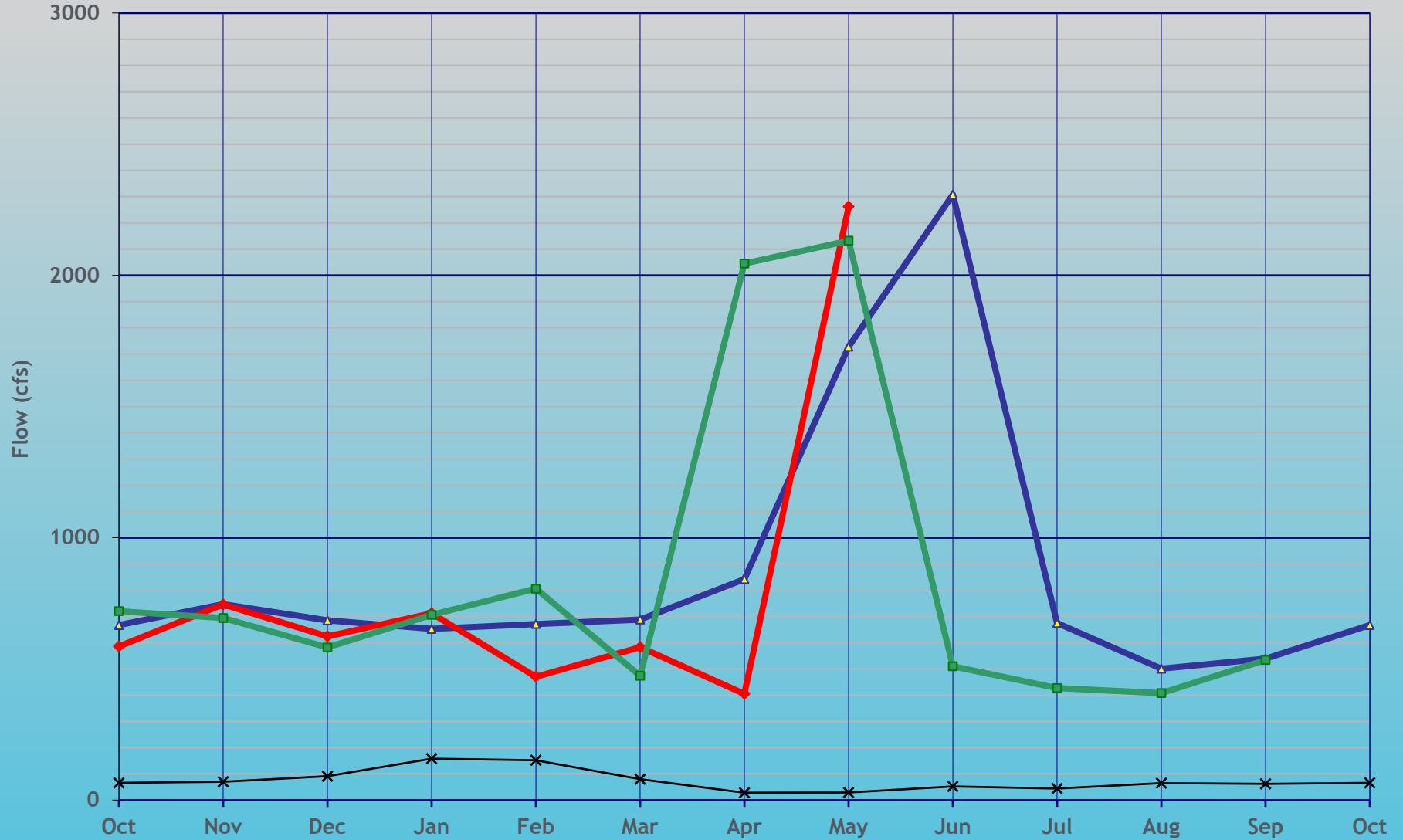
\*Period of record 1902-2021

\*Period of record 1902-2021

# South Platte River Monthly Stream Flow (cfs) Statistics

# South Platte River at Kersey

Irrigation Year



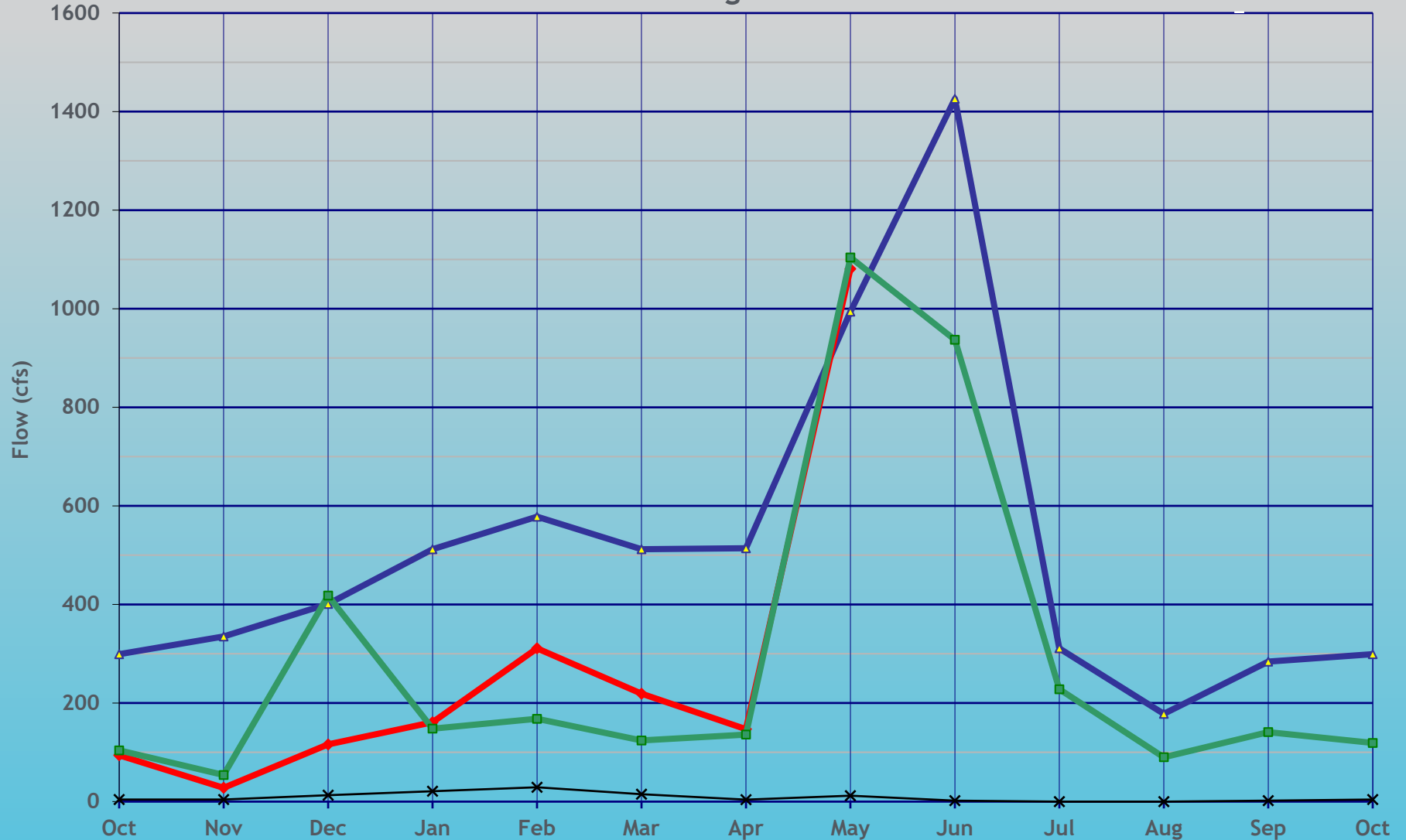
▲ Historic\* Mean Flow    × Historic\* Min Flow    ◆ 2022-2023 Mean Flow    ◻ 2021-2022 Mean Flow

\*1901-2016



# South Platte River at Julesburg

Irrigation Year



—▲— Historic\* Mean Flow    —×— Historic\* Min Flow    —◆— 2022-2023 Mean Flow    —■— 2021-2022 Mean Flow

\*1901-2016



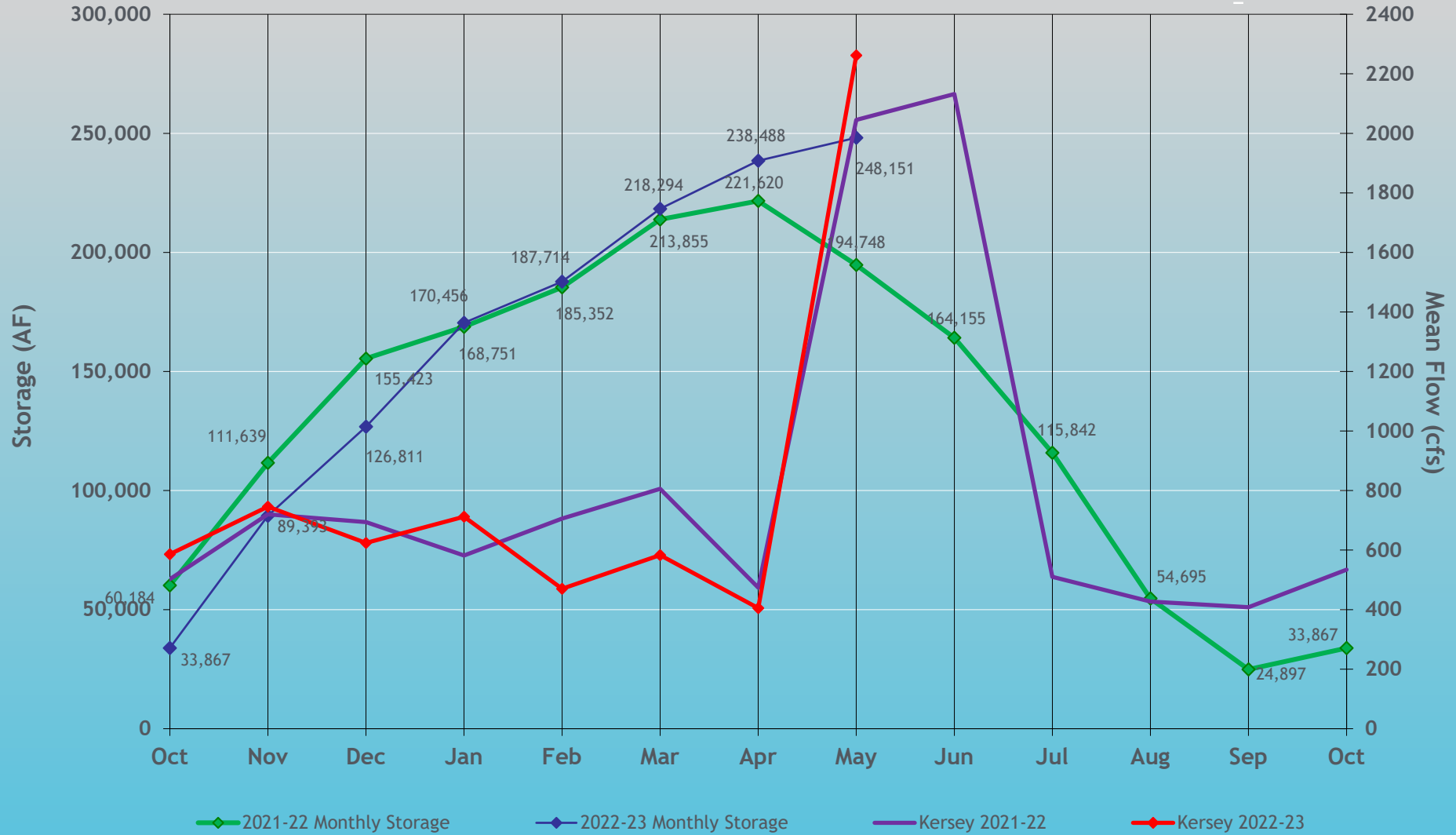




Next three slides show Reservoir Storage above and below Kersey

# Reservoir Storage below Kersey

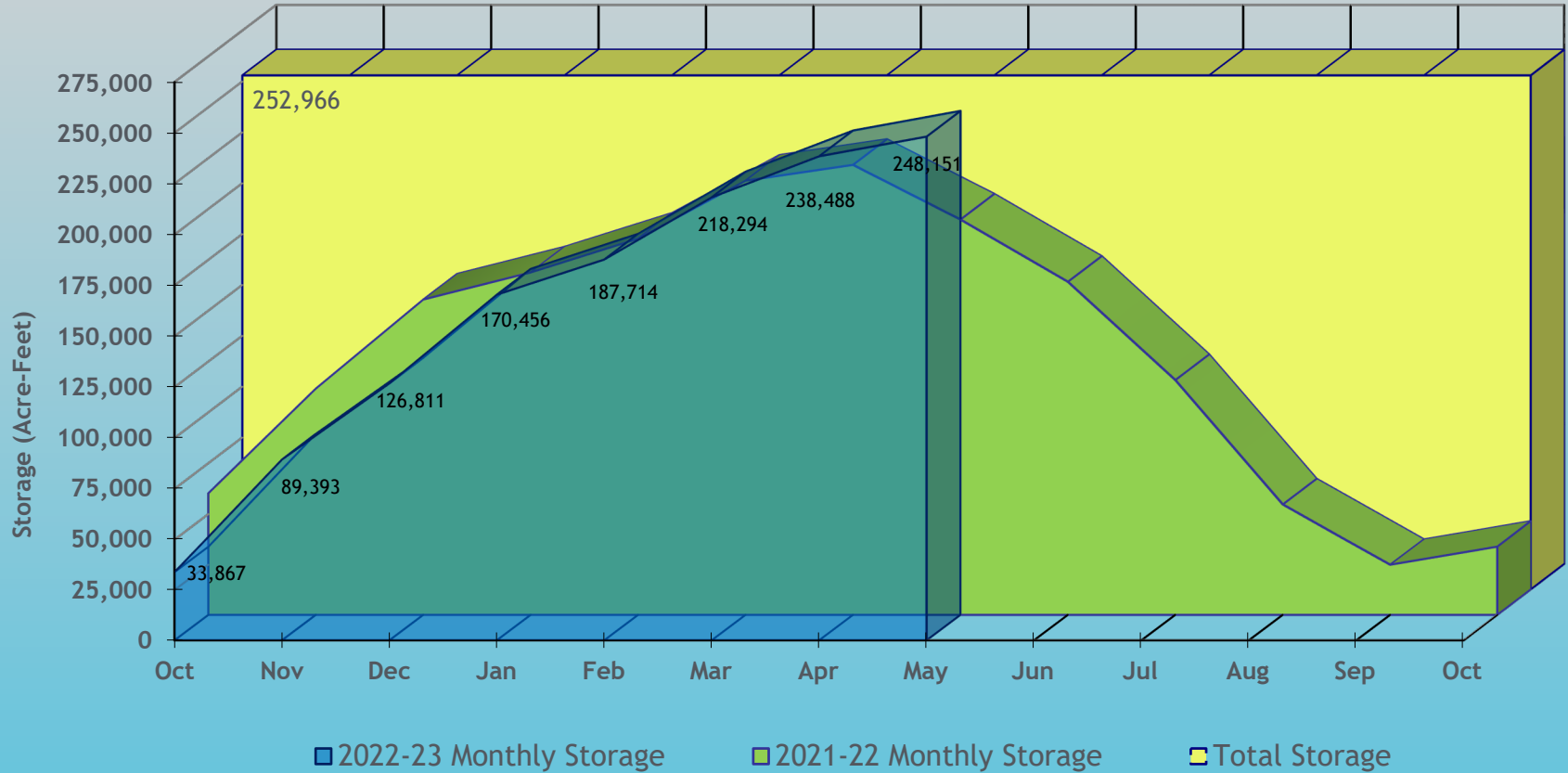
Selected Reservoirs\*



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

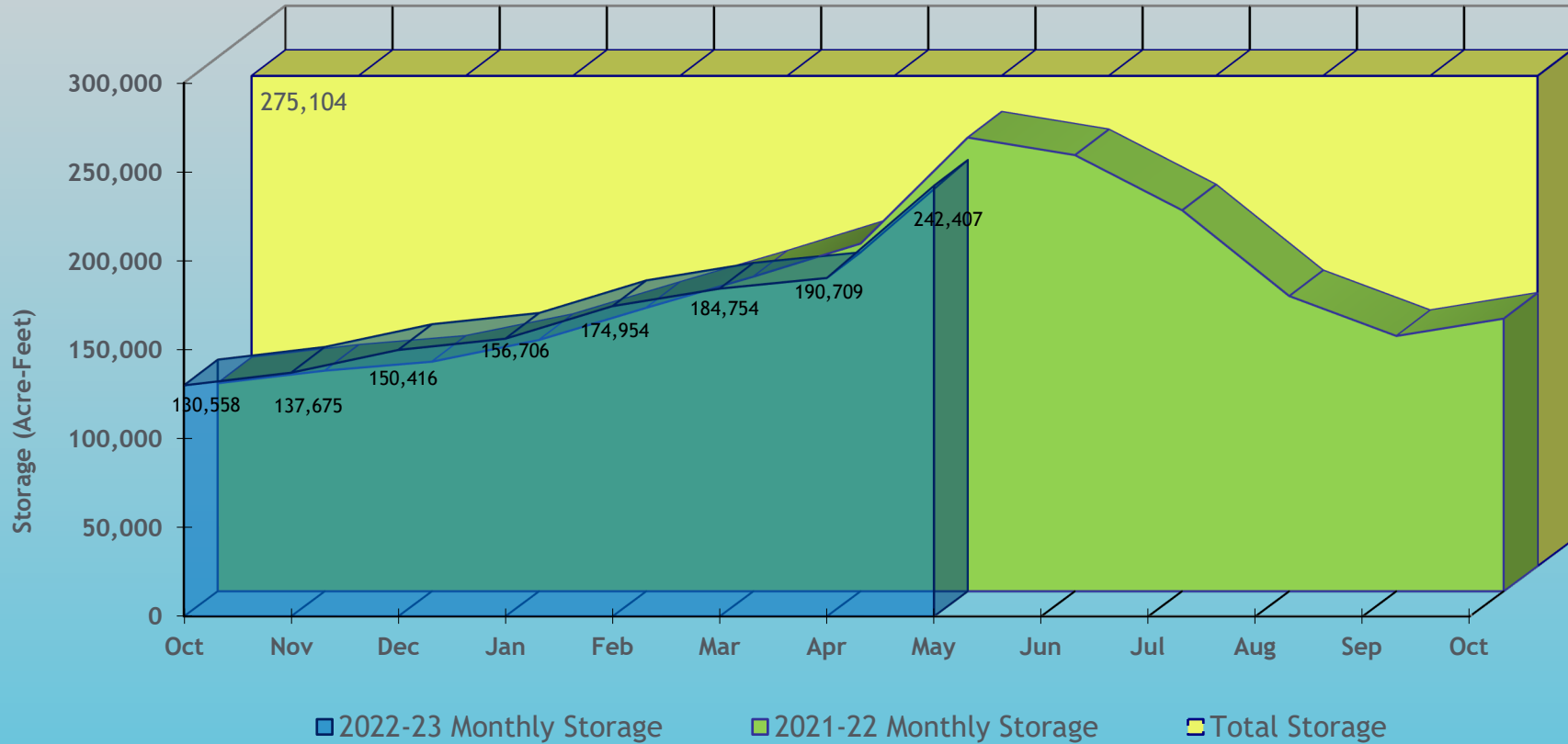


# South Platte Reservoir Storage below Kersey\*



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

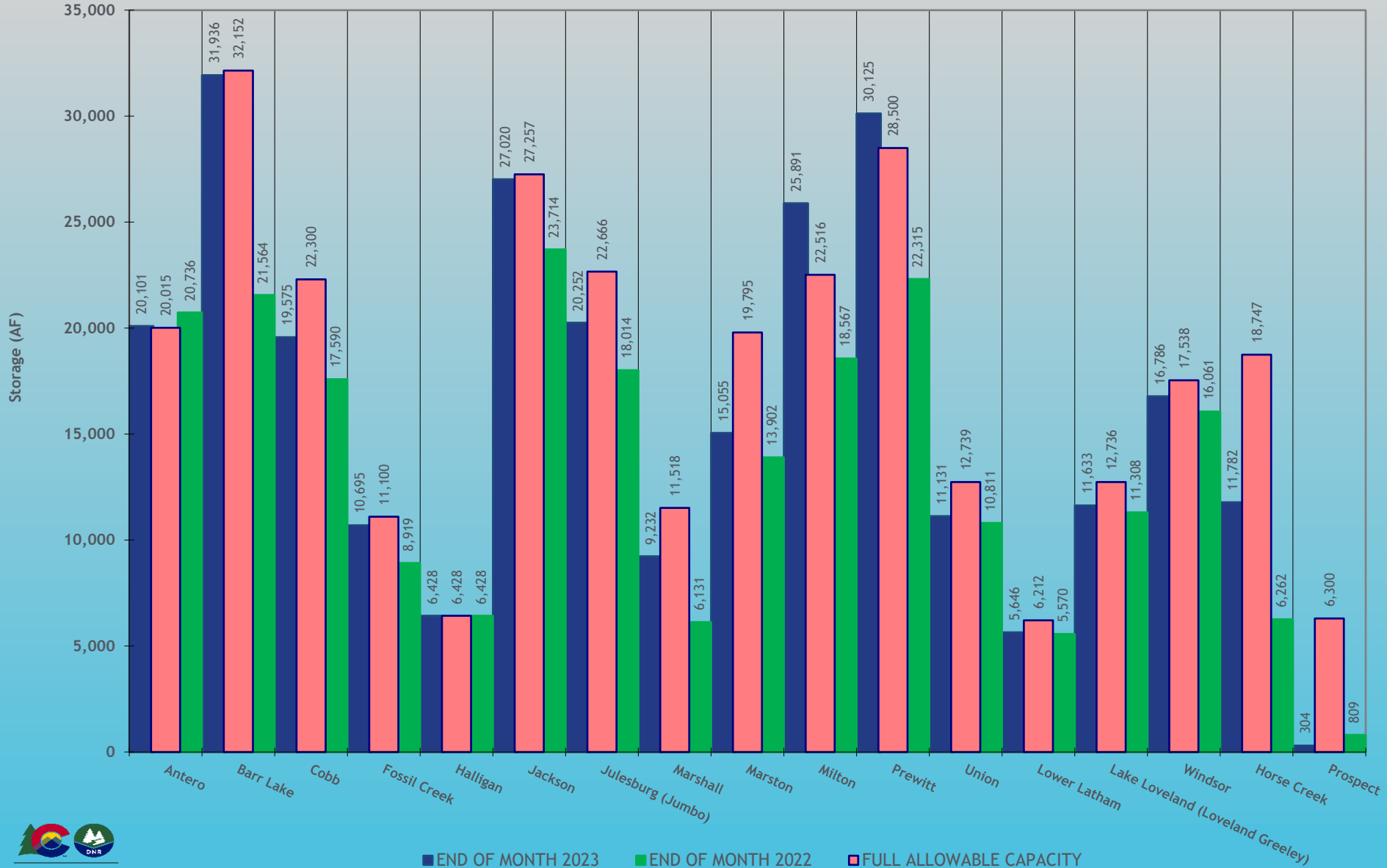
# South Platte Reservoir Storage above Kersey\*



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

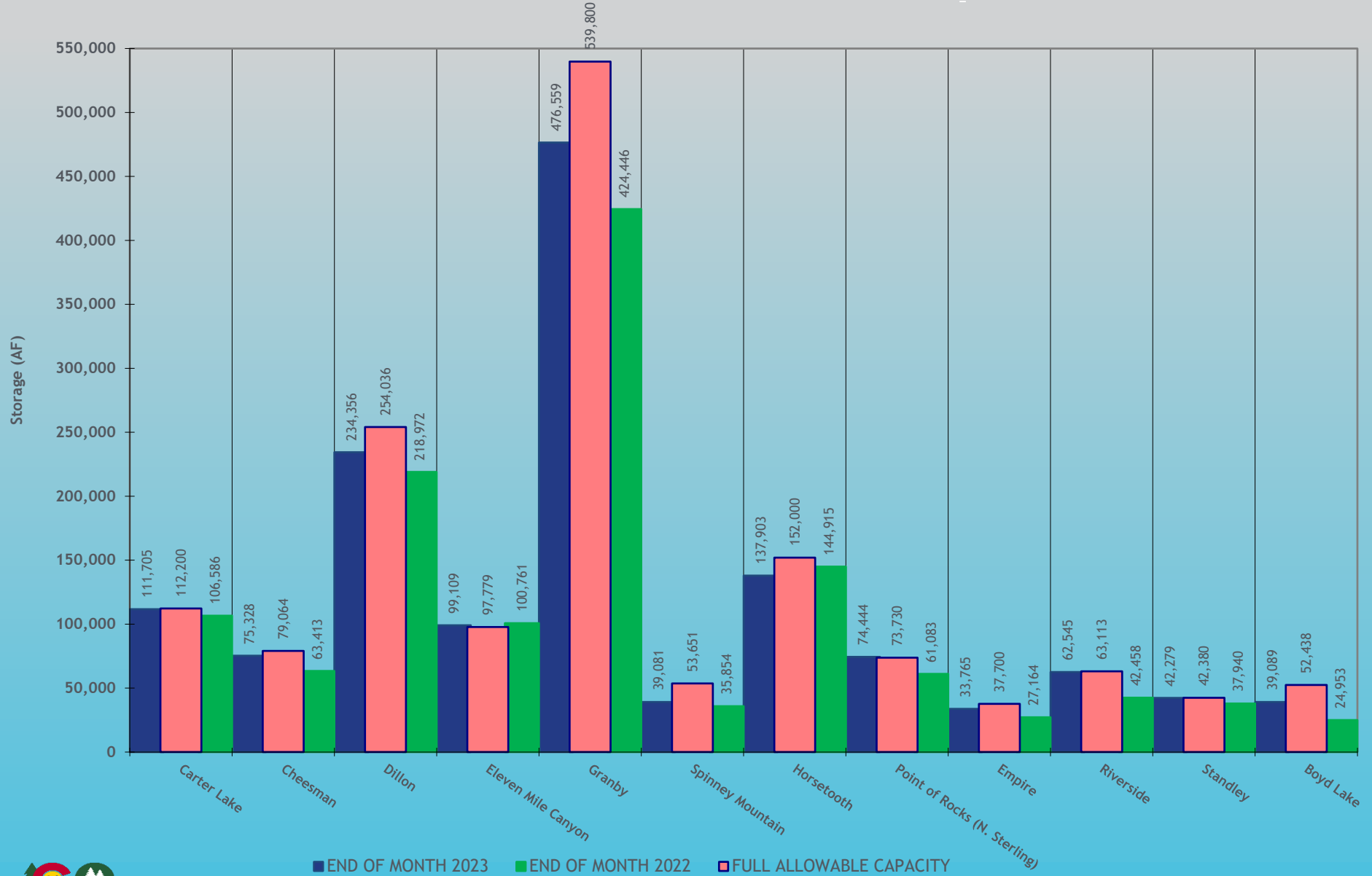


# May Reservoir Change in Storage IY2022 versus IY2023

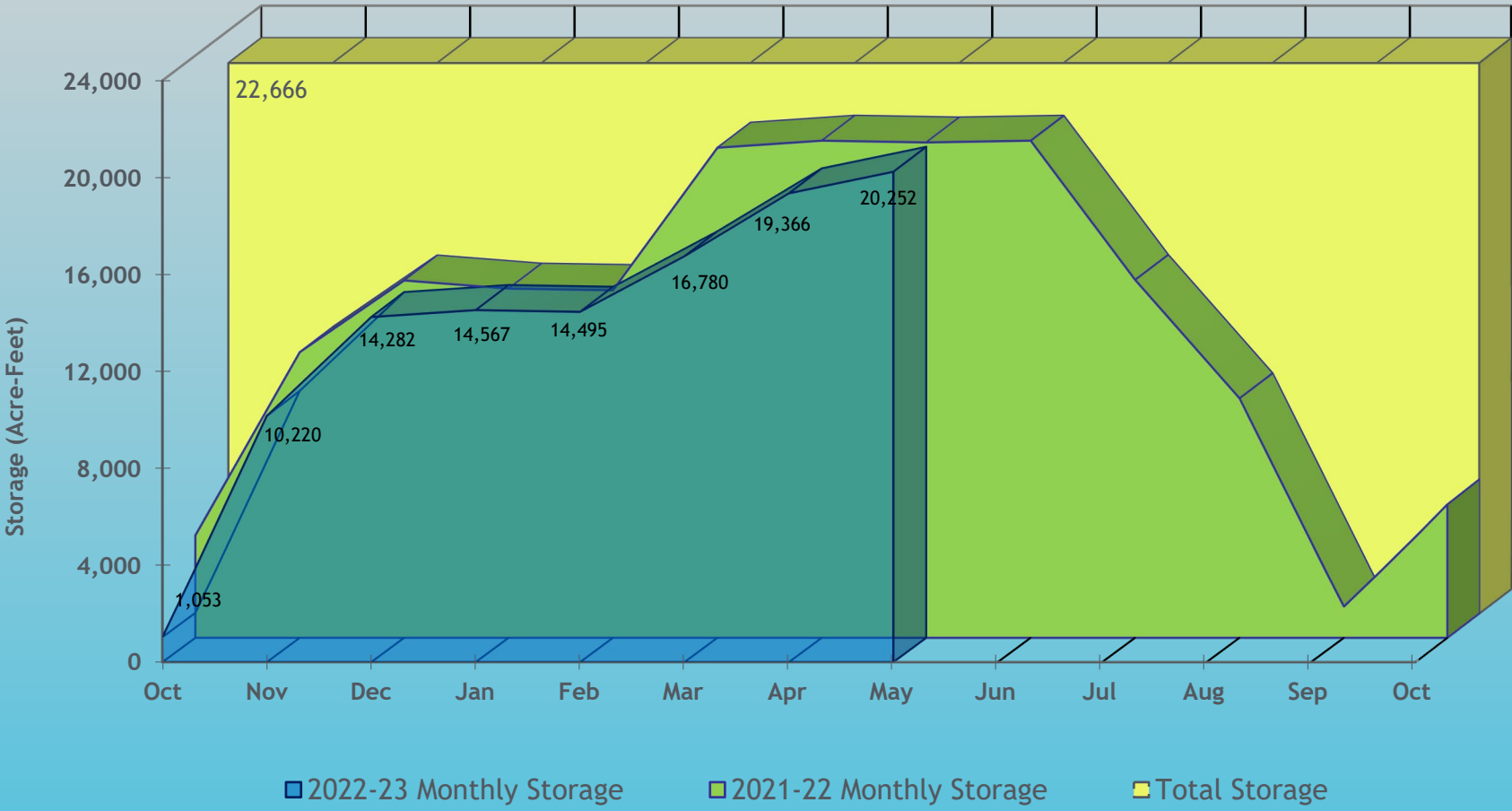


■ END OF MONTH 2023   ■ END OF MONTH 2022   ■ FULL ALLOWABLE CAPACITY

# May Reservoir Change in Storage IY2022 versus IY2023

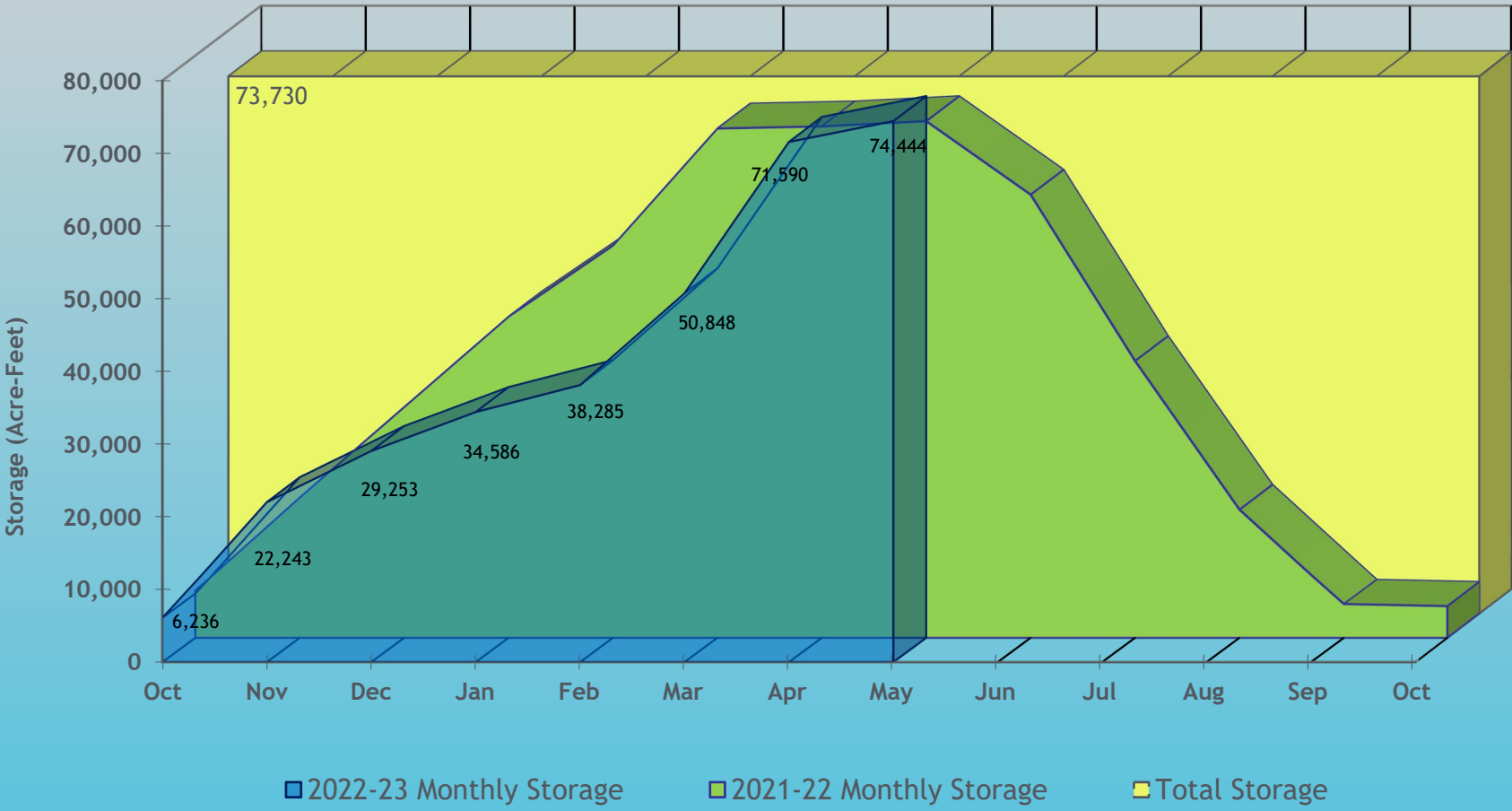


# Julesburg Reservoir (District 64 - Agricultural)

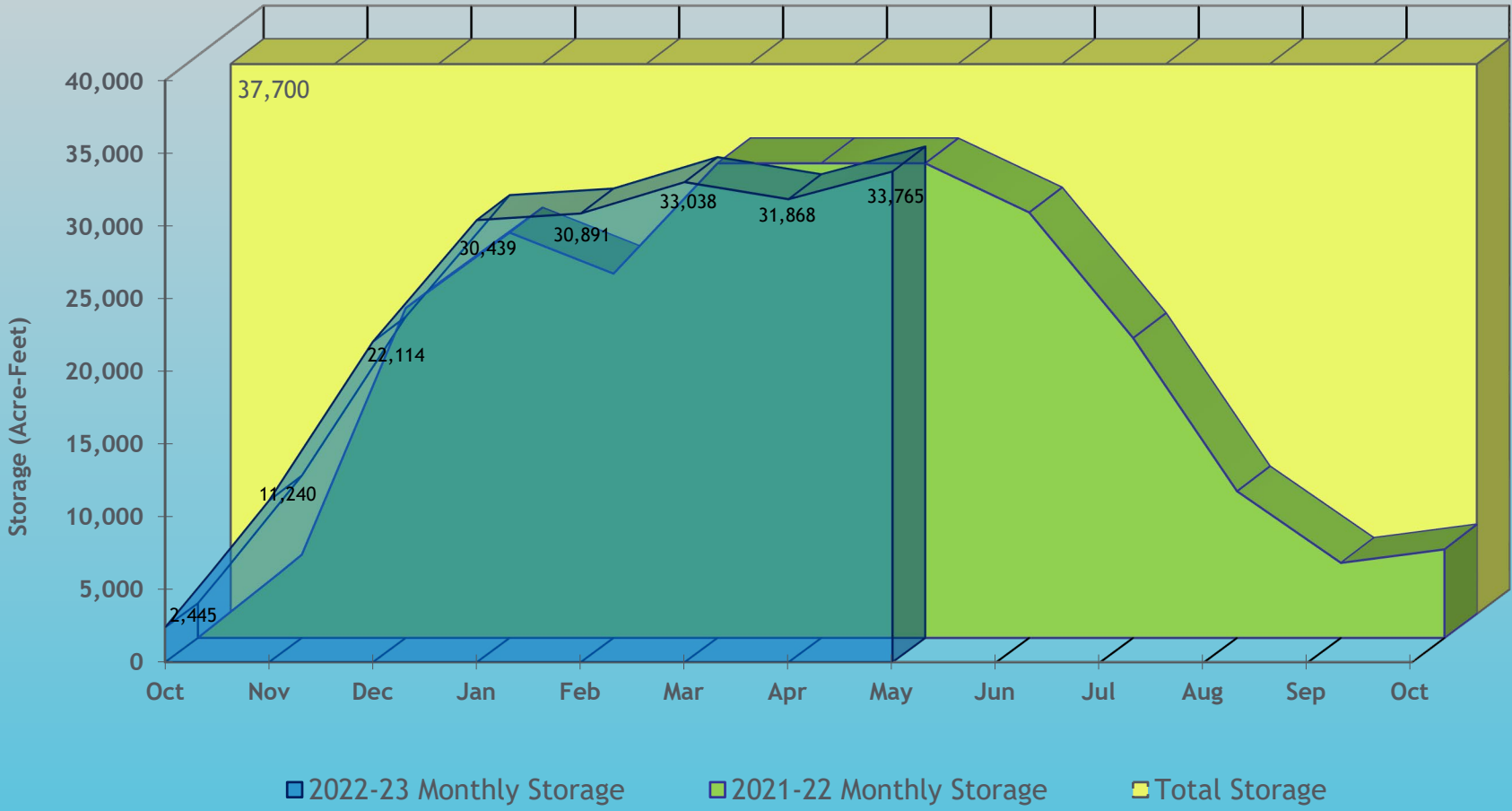




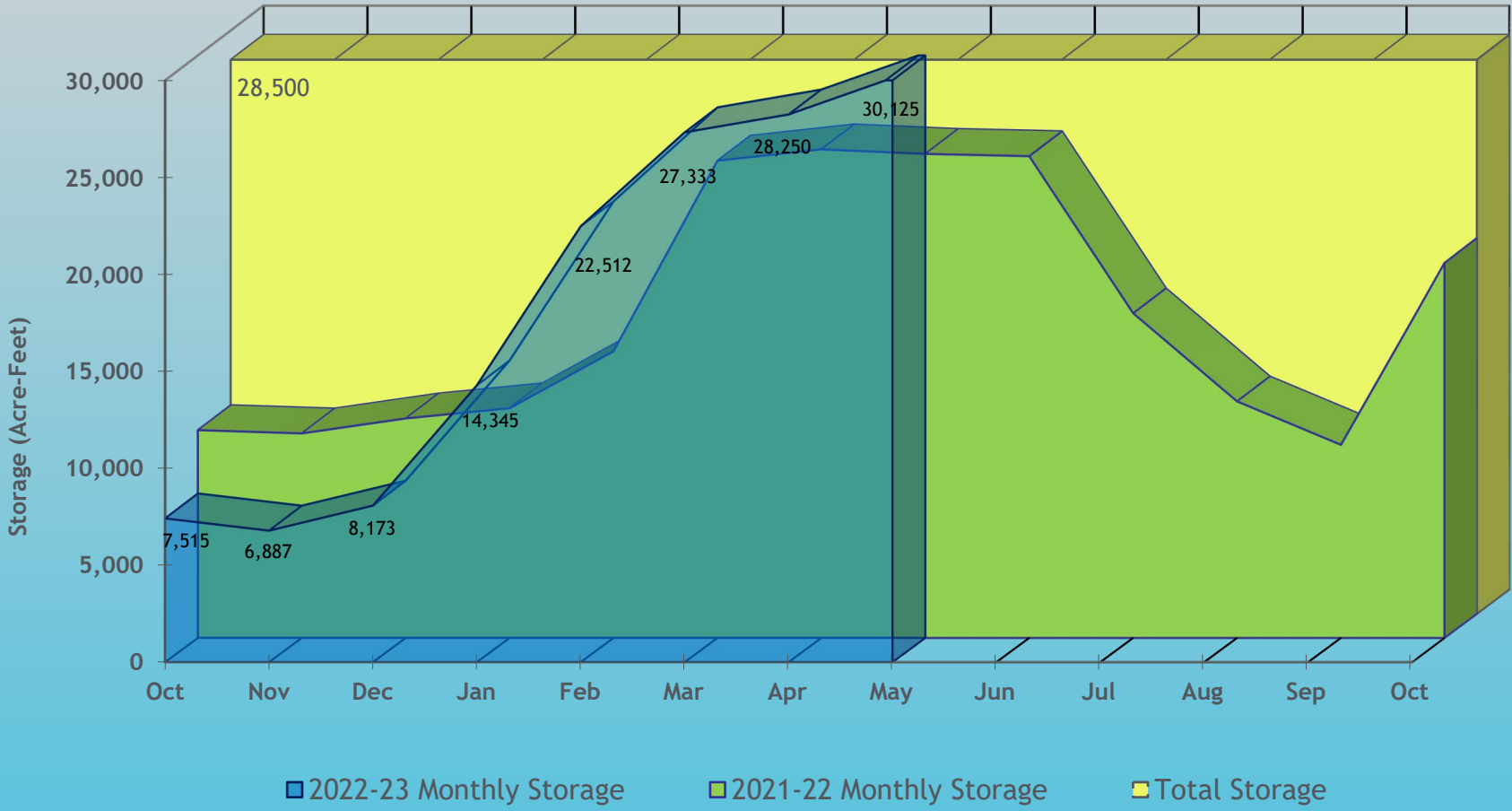
# North Sterling Reservoir (District 64 - Agricultural)



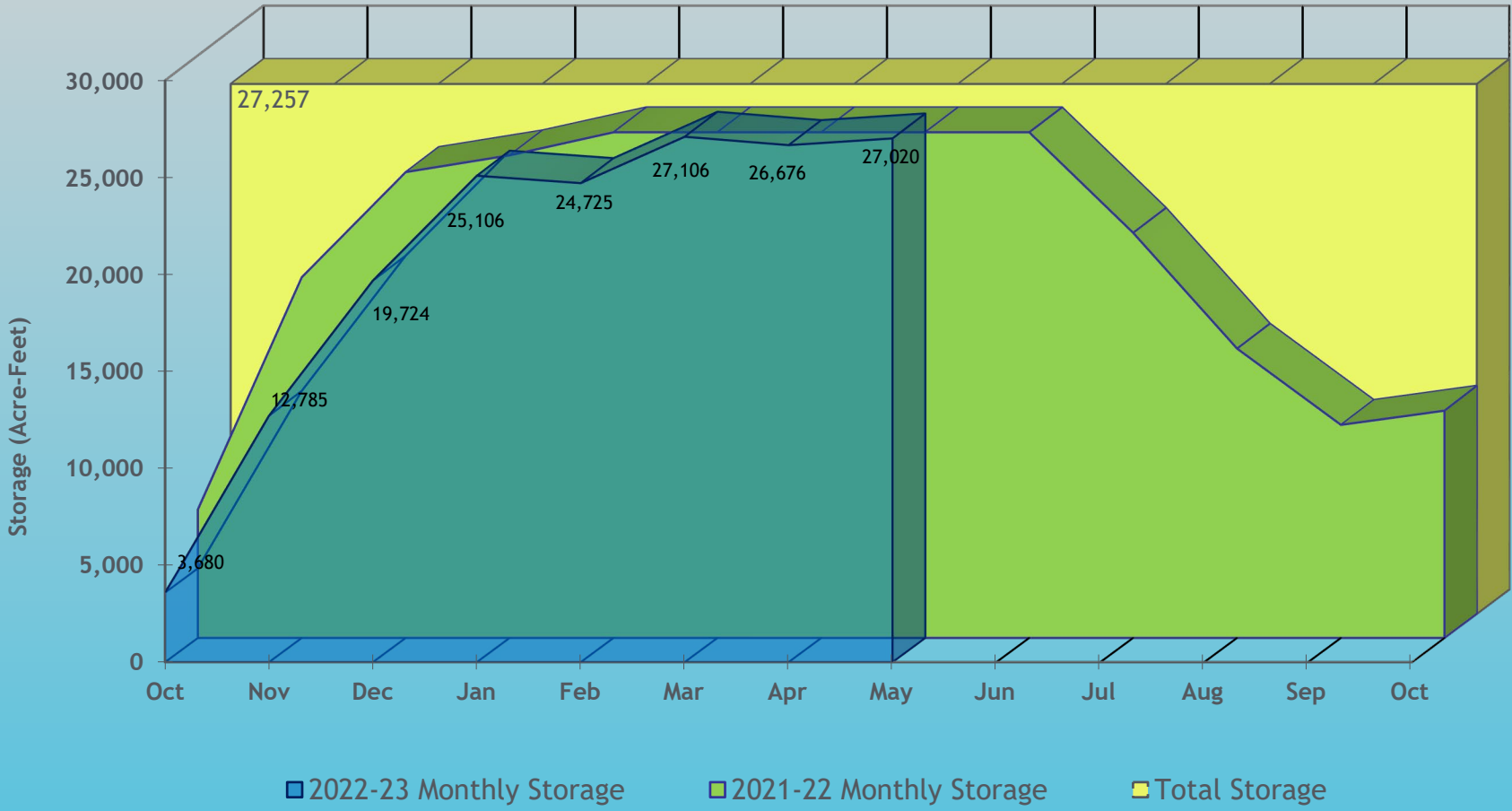
# Empire Reservoir (District 1 - Agricultural)



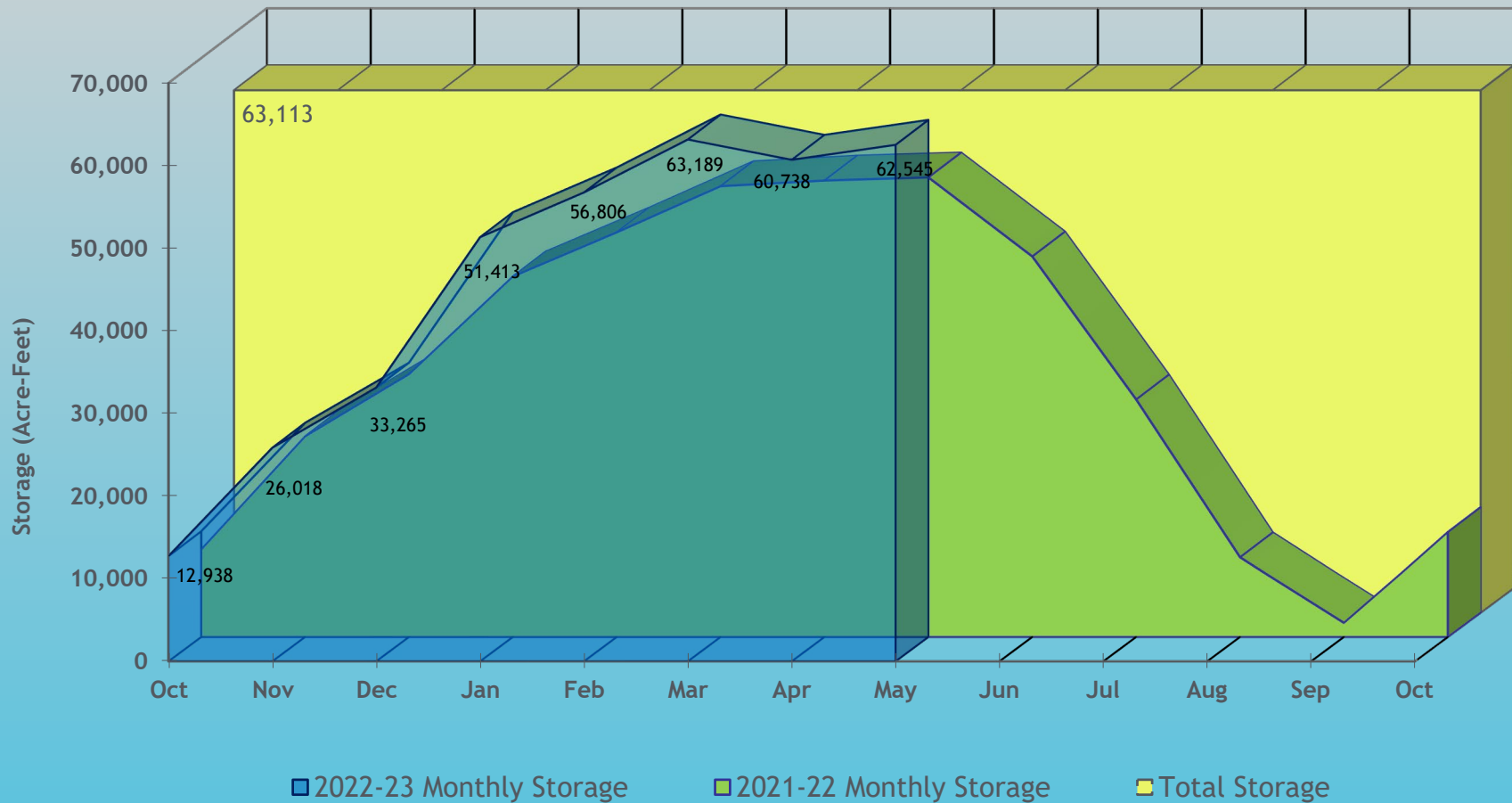
# Prewitt Reservoir (District 64 - Agricultural)



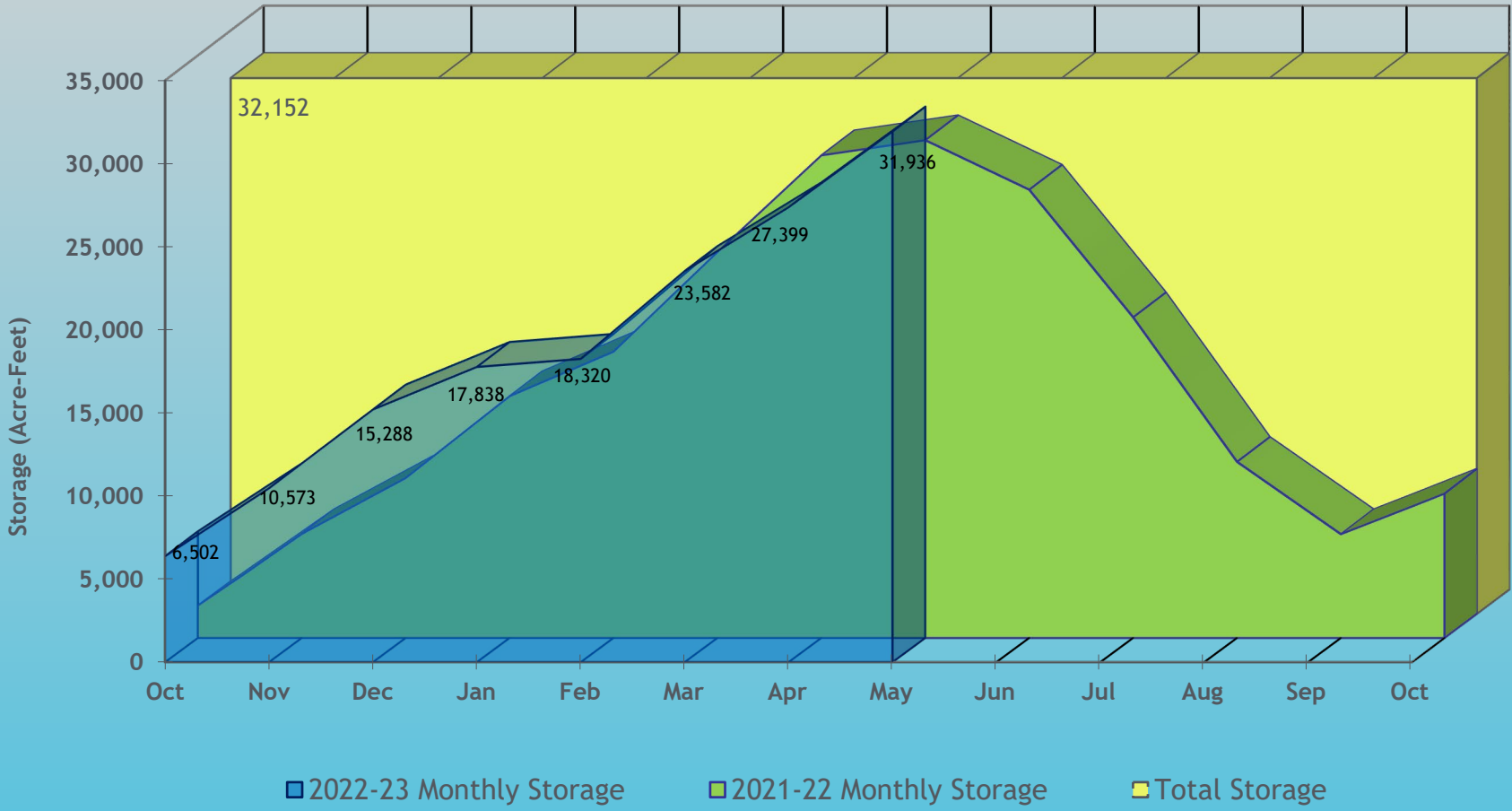
# Jackson Reservoir (District 1 - Agricultural)



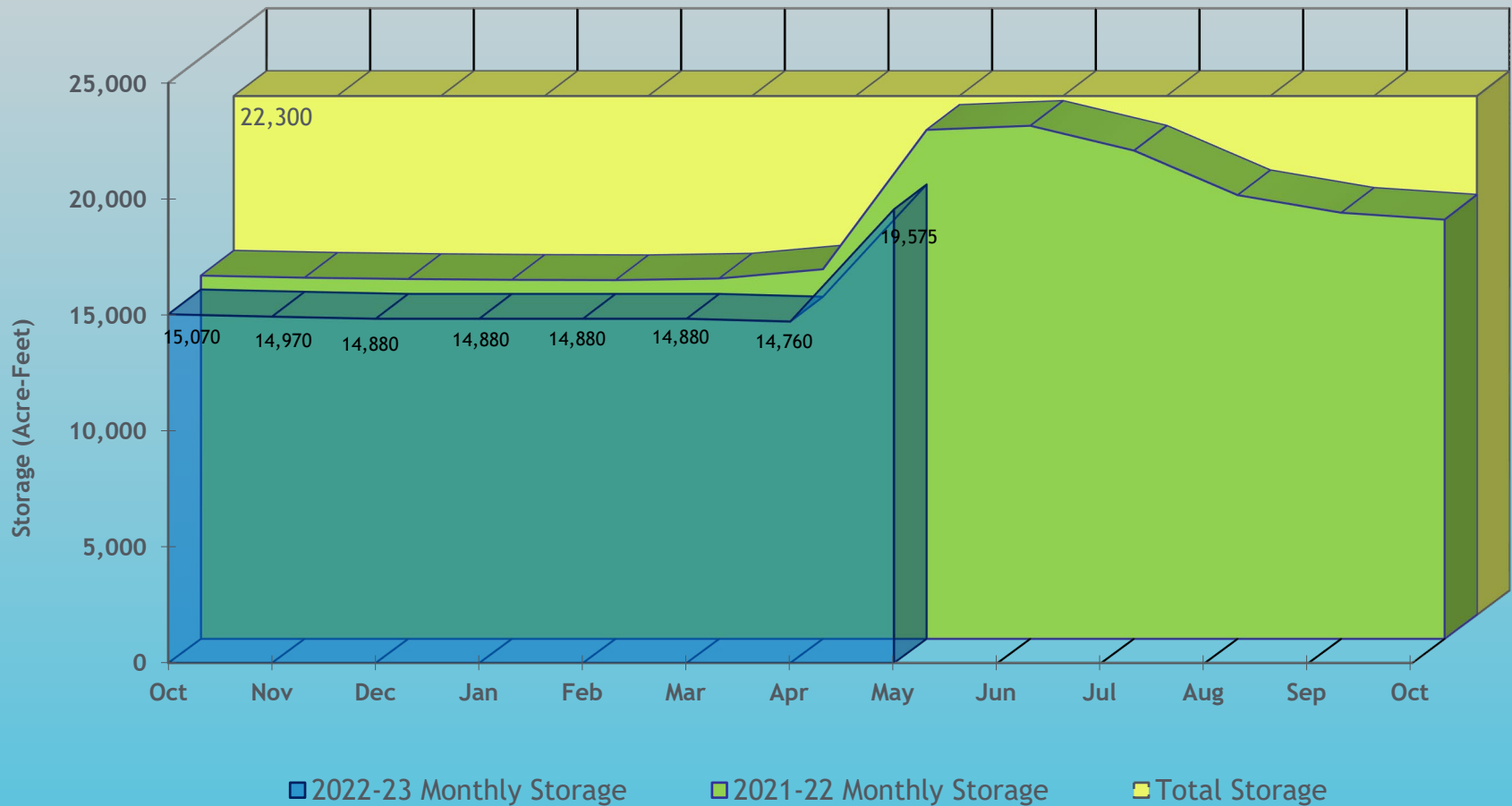
# Riverside Reservoir (District 1 - Agricultural)



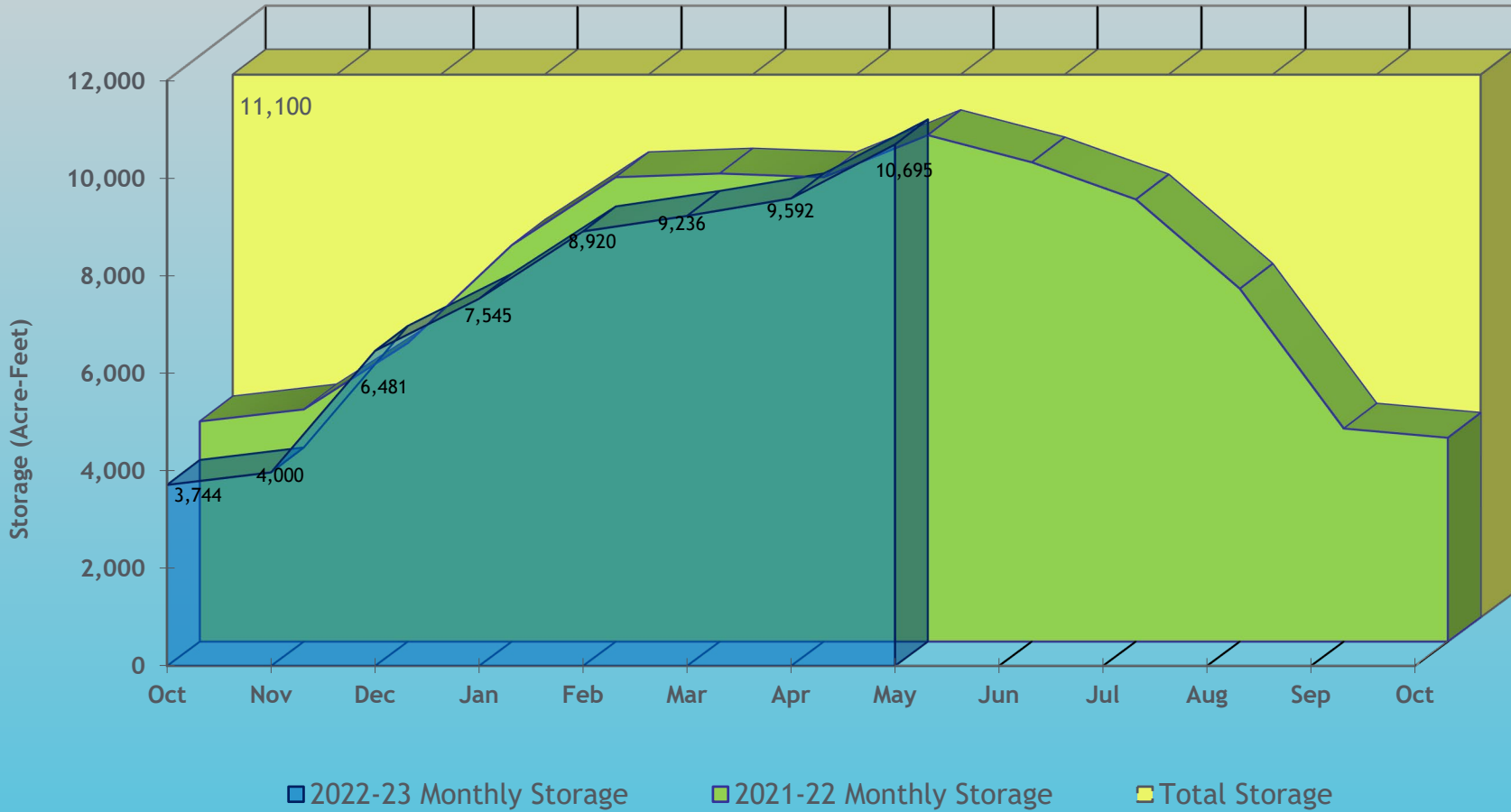
# Barr Reservoir (District 2 - Agricultural)



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

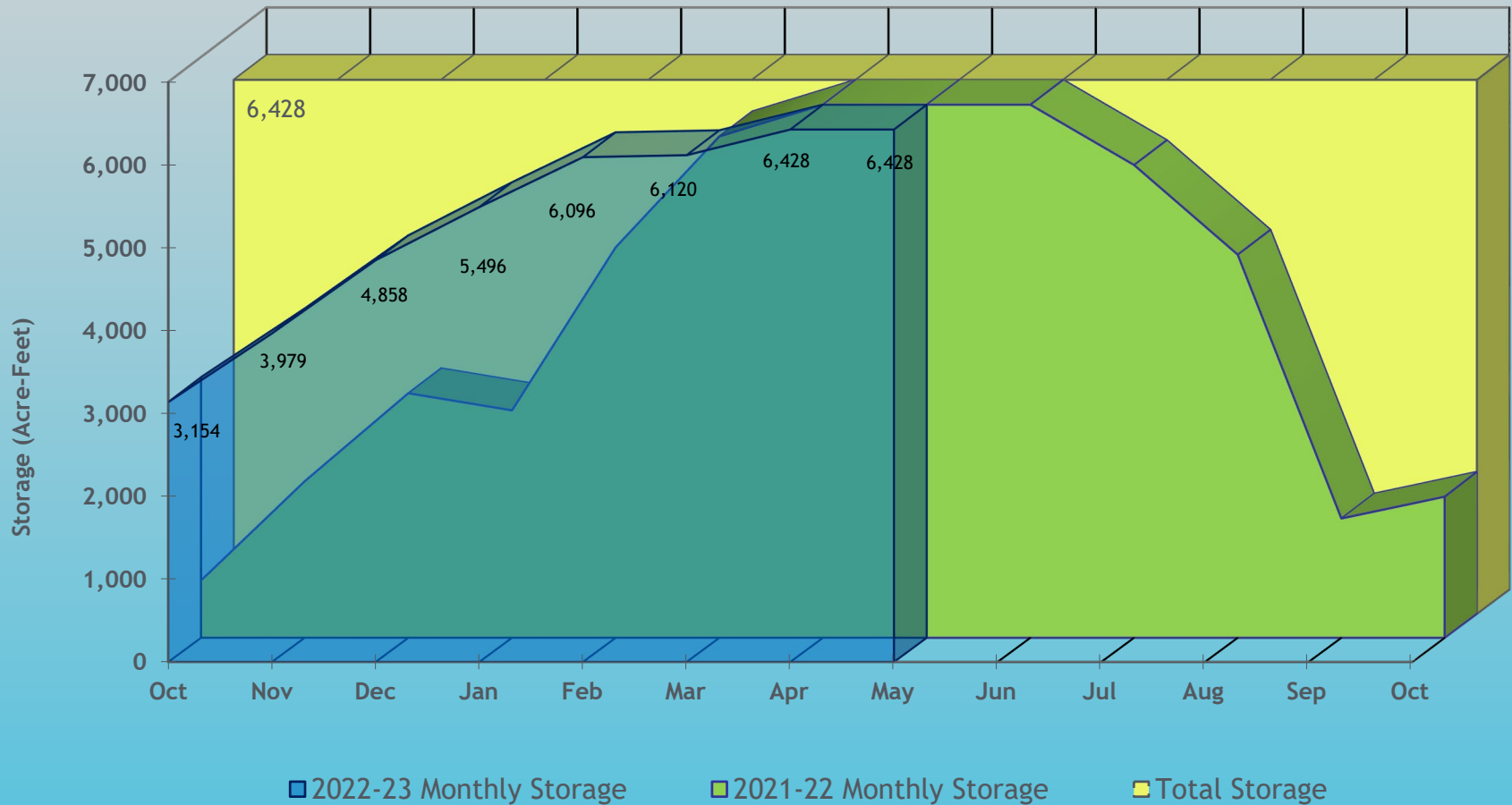


# Fossil Creek Reservoir (District 3, Poudre River - Agricultural)

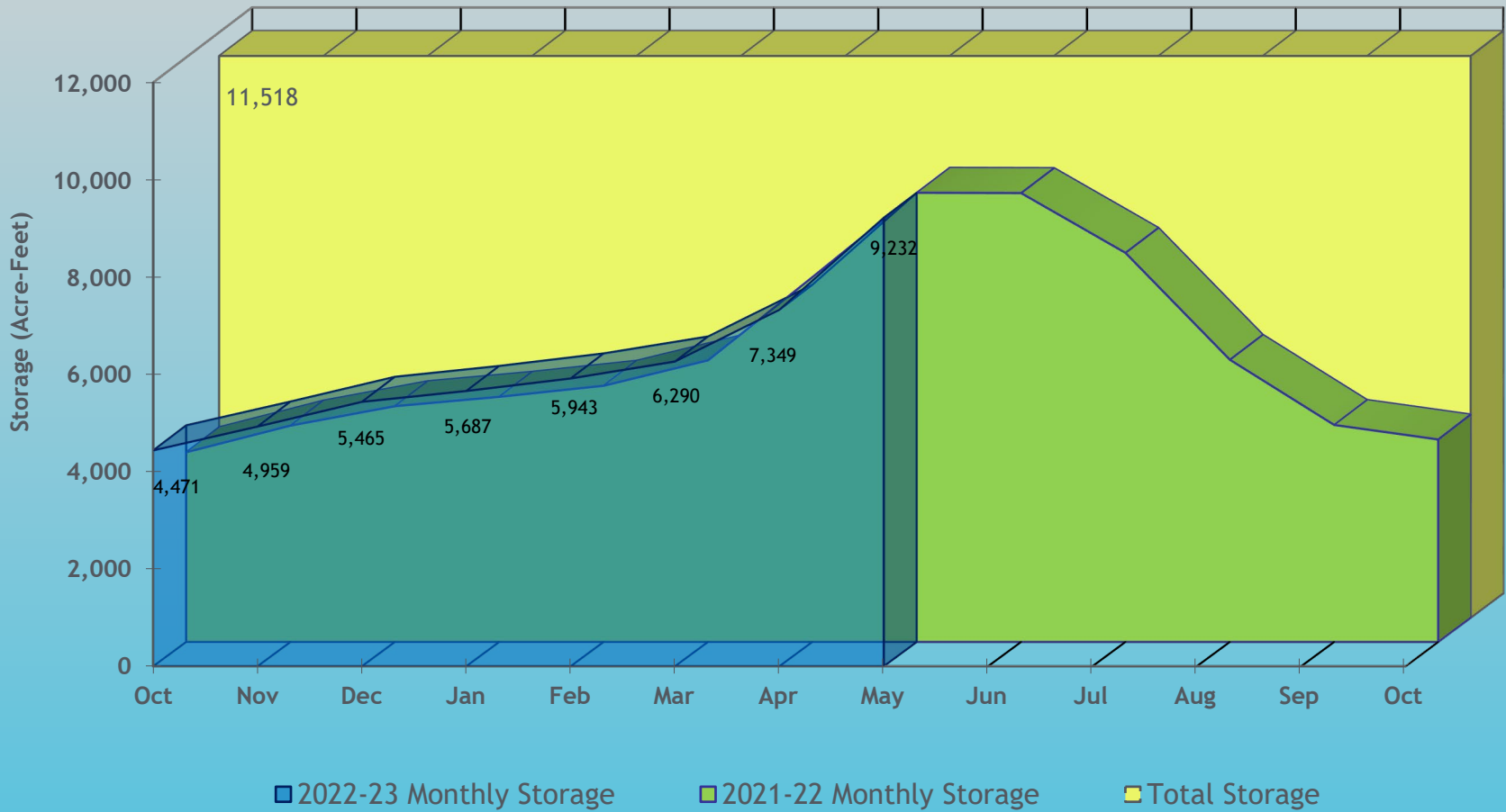




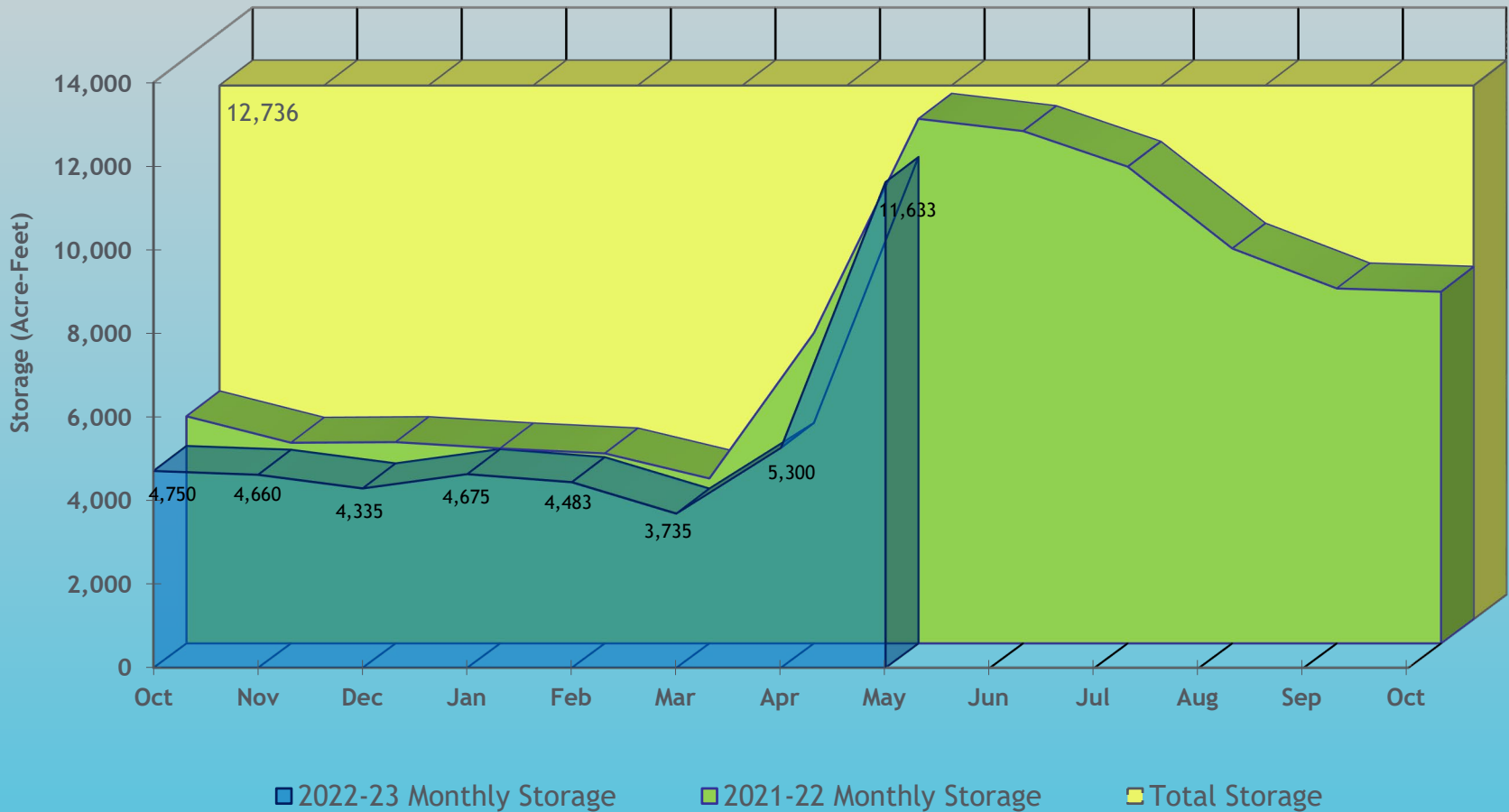
# Halligan Reservoir (District 3, Poudre River - Agricultural)



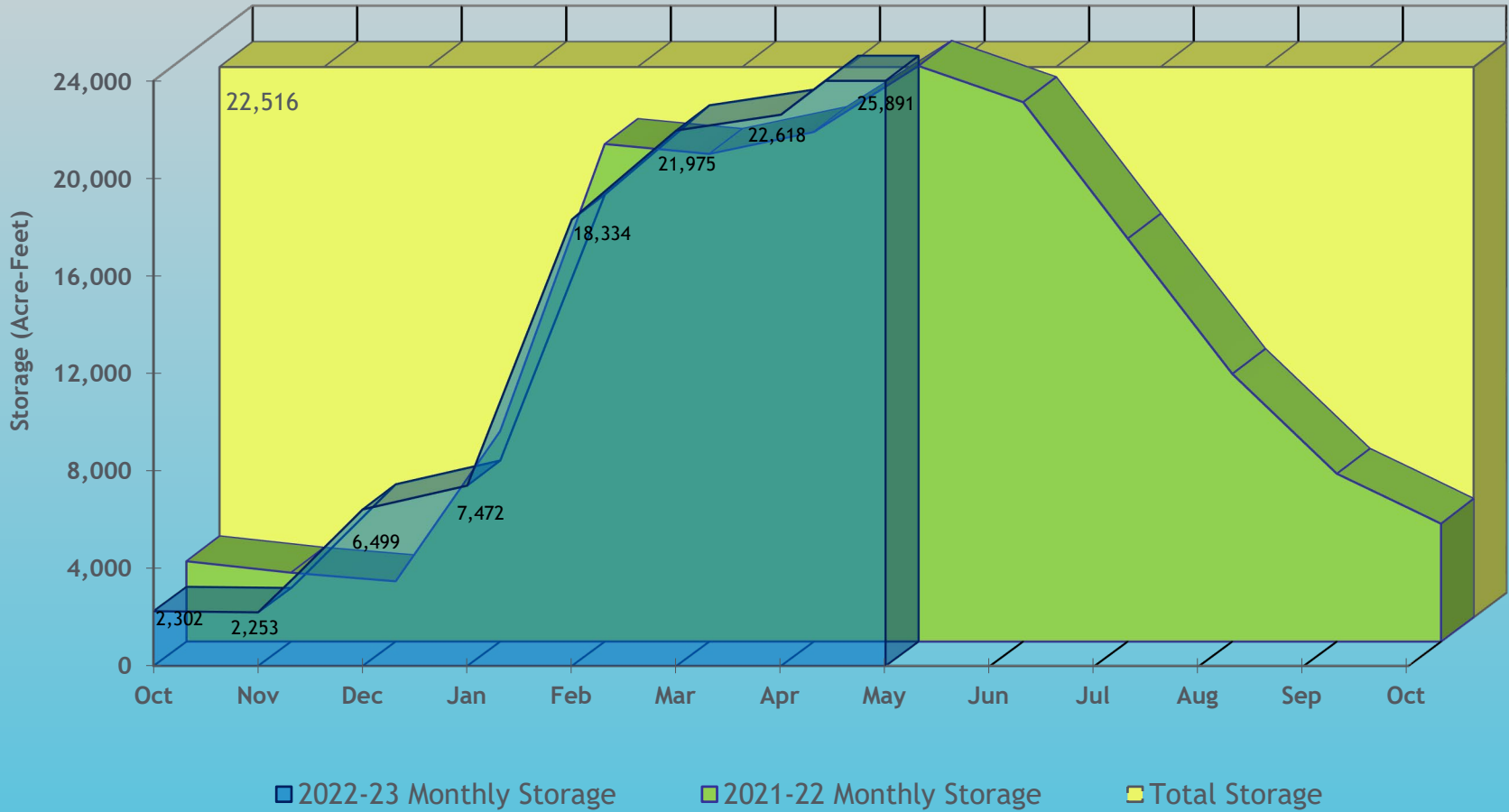
# Marshall Lake (District 6, Boulder Creek - Agricultural)



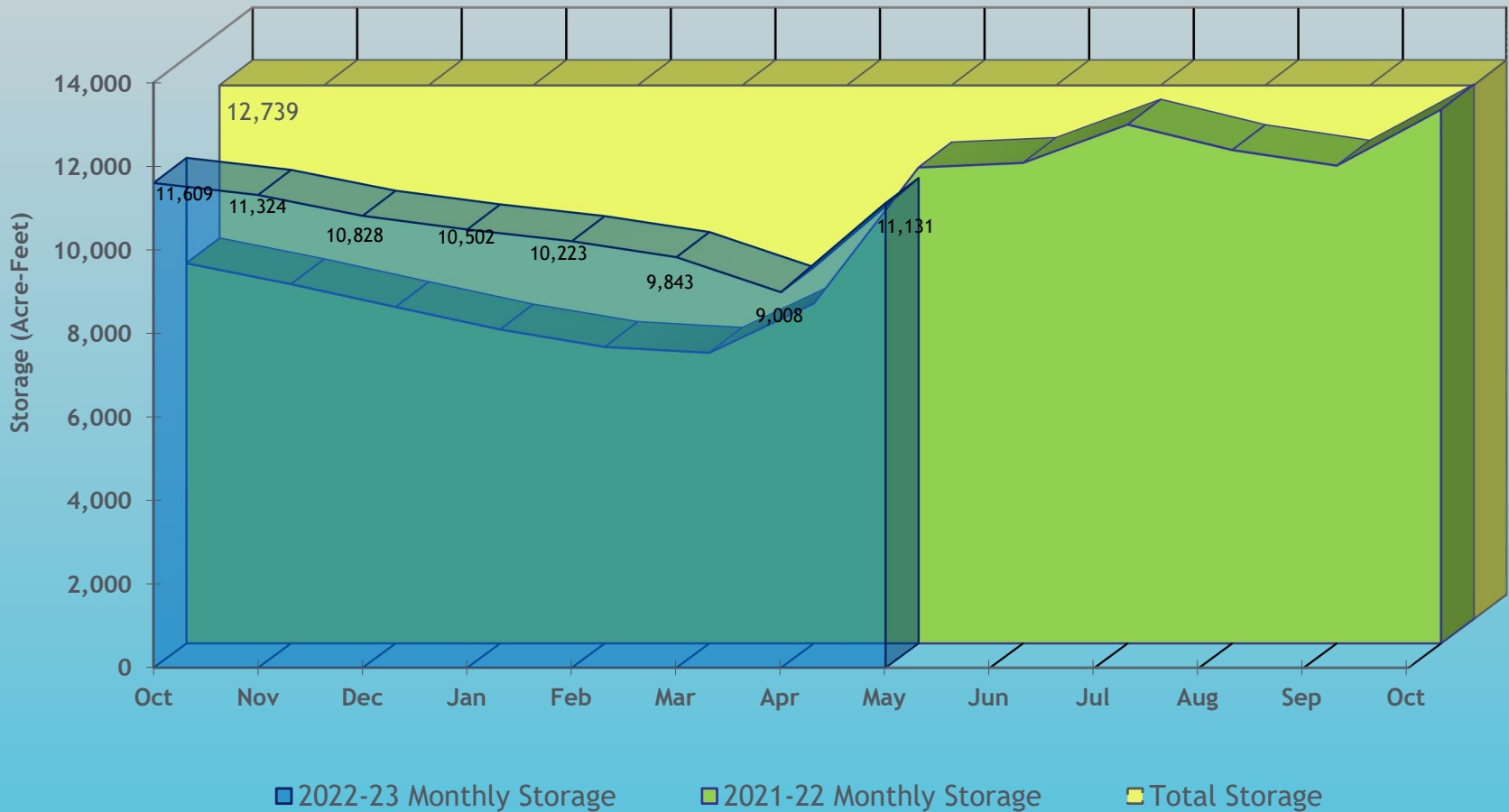
# Loveland Greeley Reservoir (District 4, Big Thompson River - Agricultural)



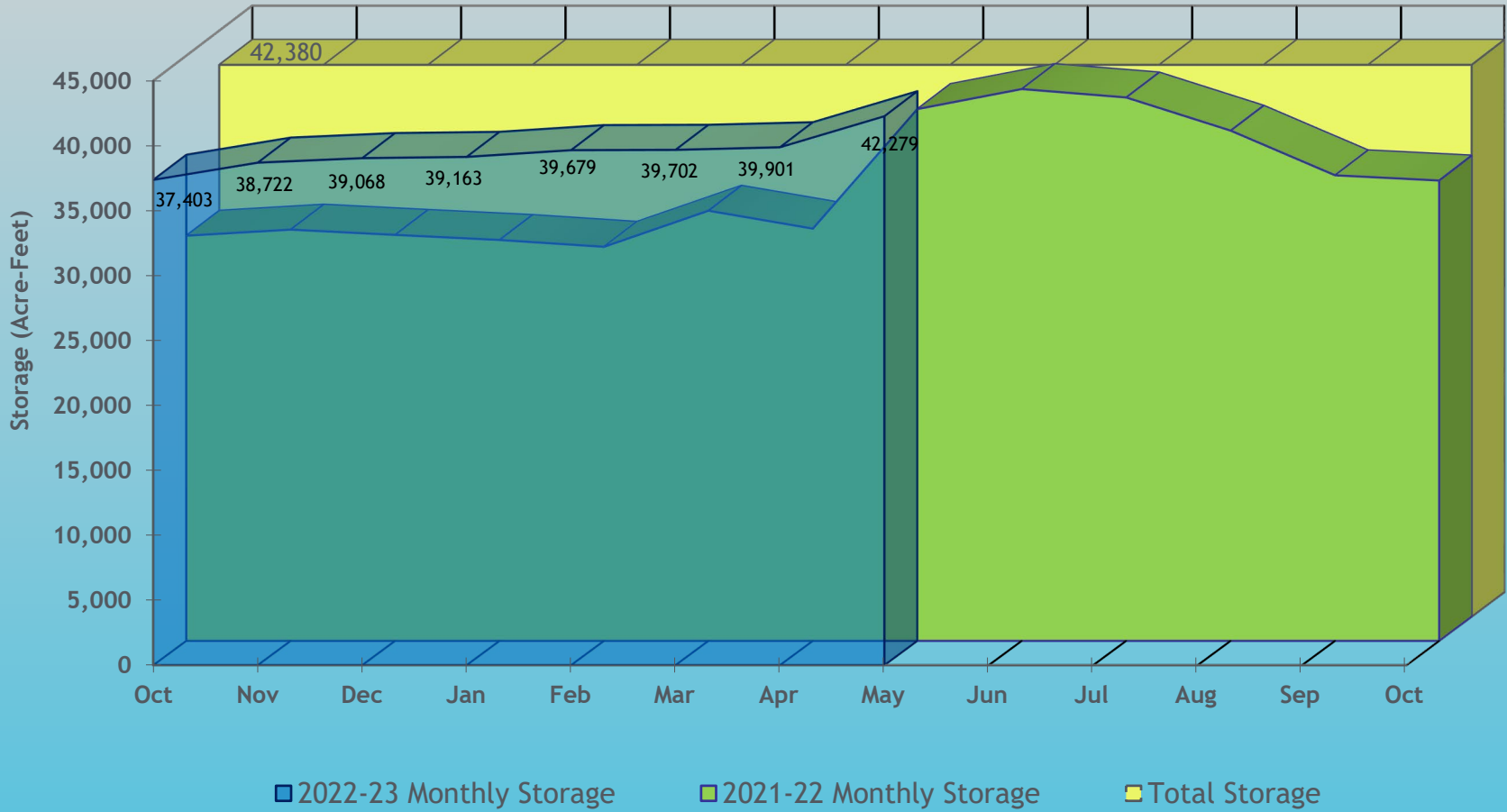
# Milton Reservoir (District 2 - Agricultural)



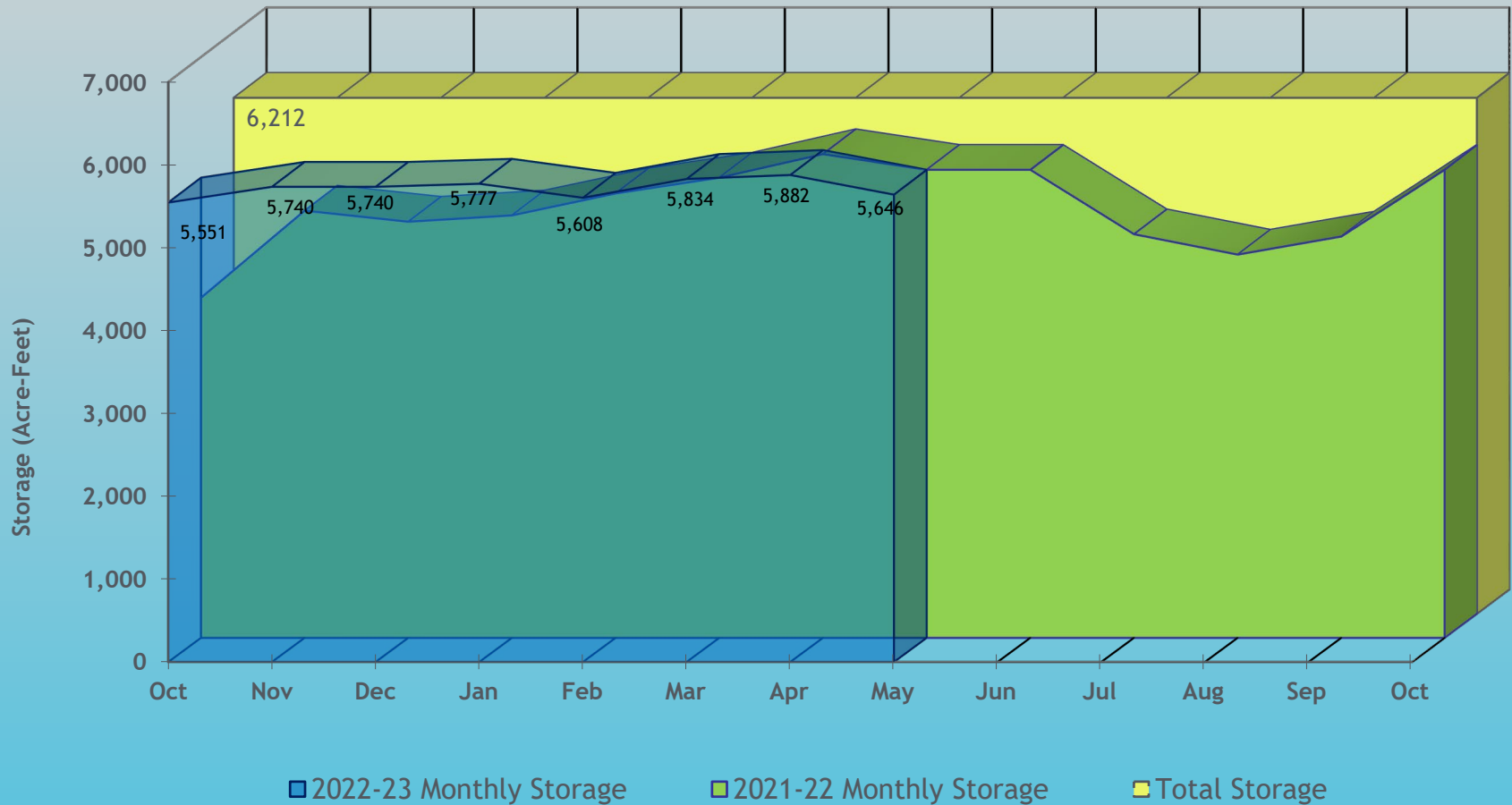
# Union Reservoir (District 5, St. Vrain Creek - Agricultural)



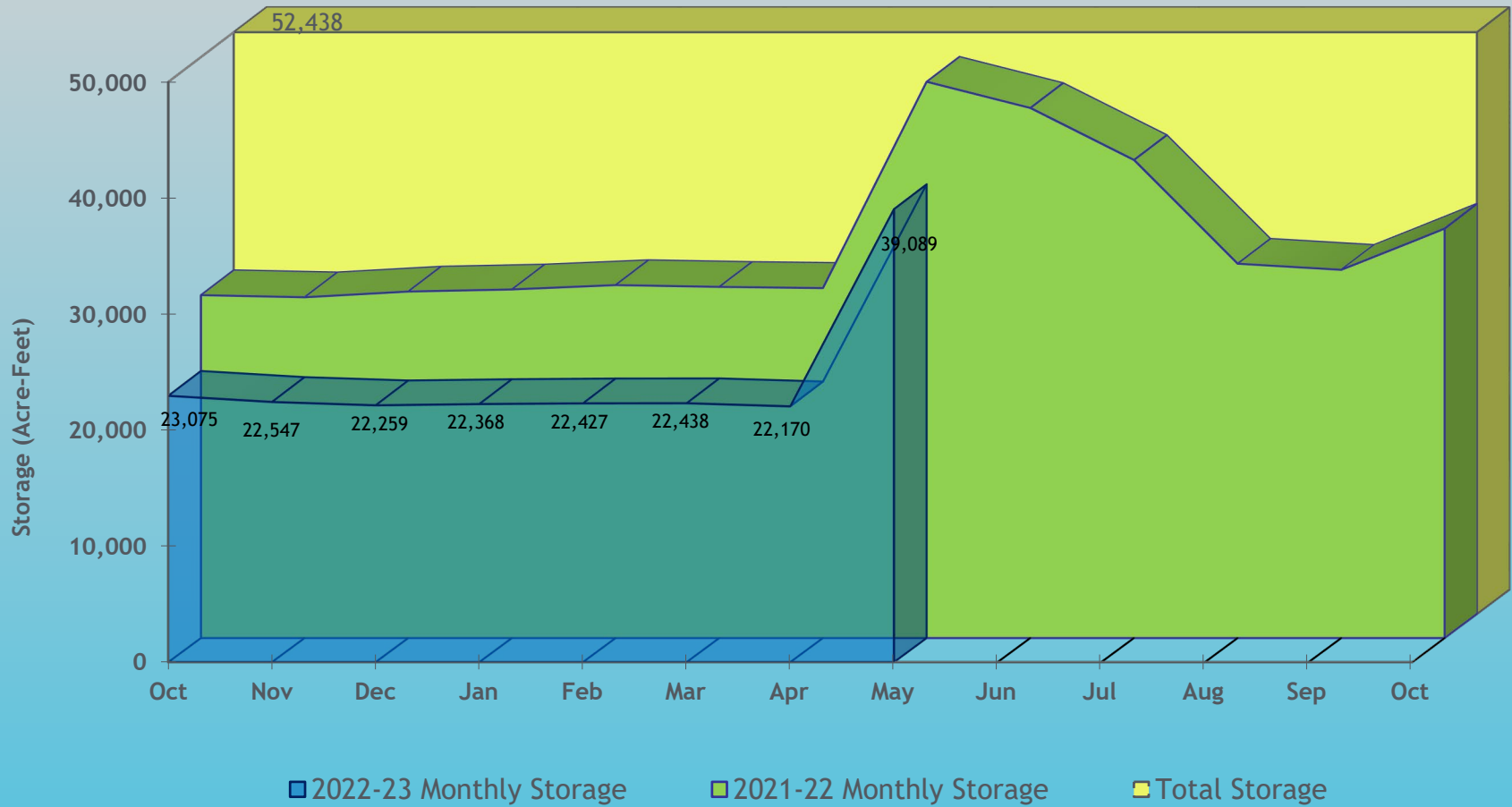
# Standley Lake (Agricultural)



# Lower Latham Reservoir (District 2 - Agricultural)

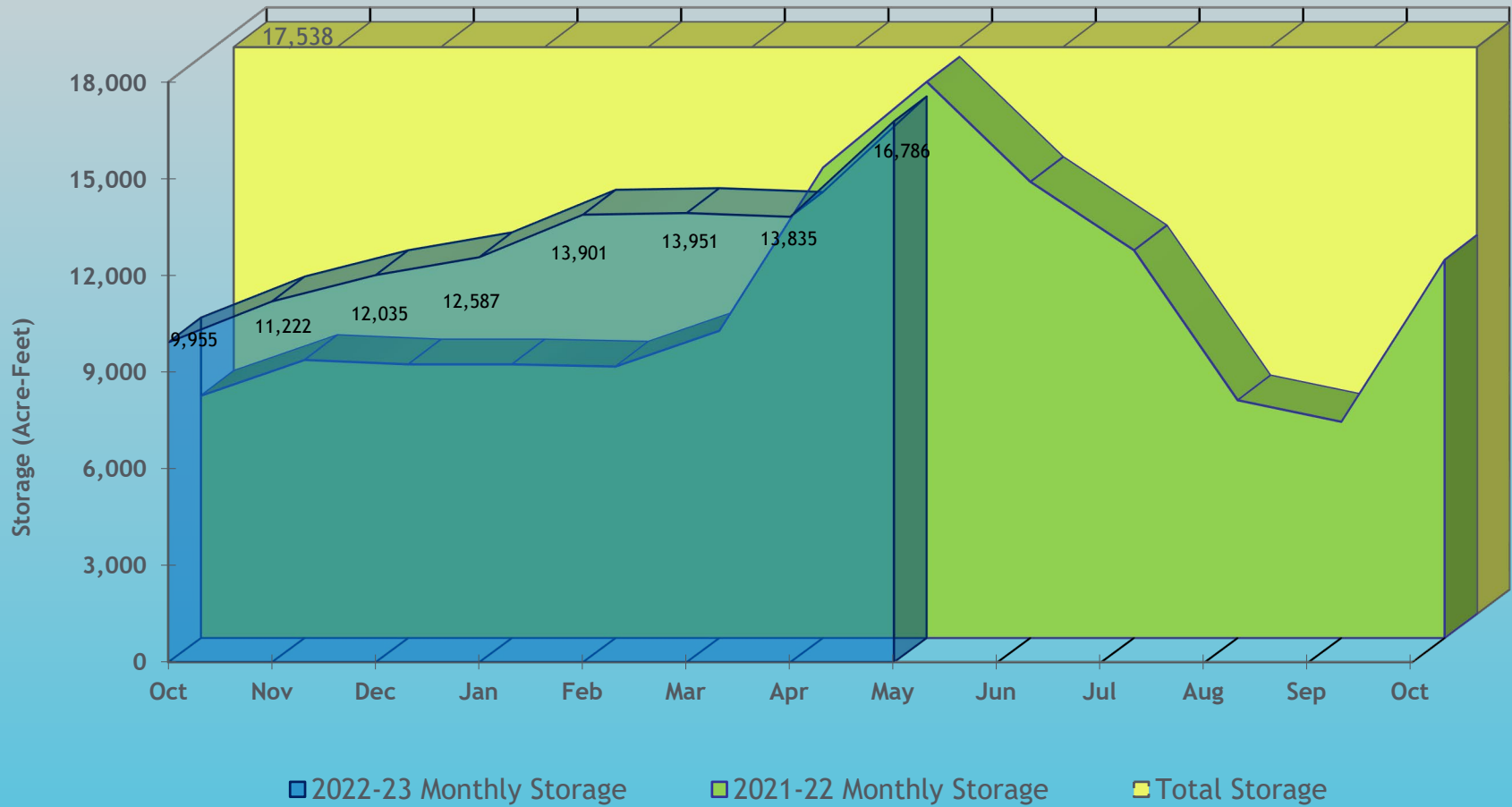


# Boyd Lake (District 4, Big Thompson River - Agricultural)

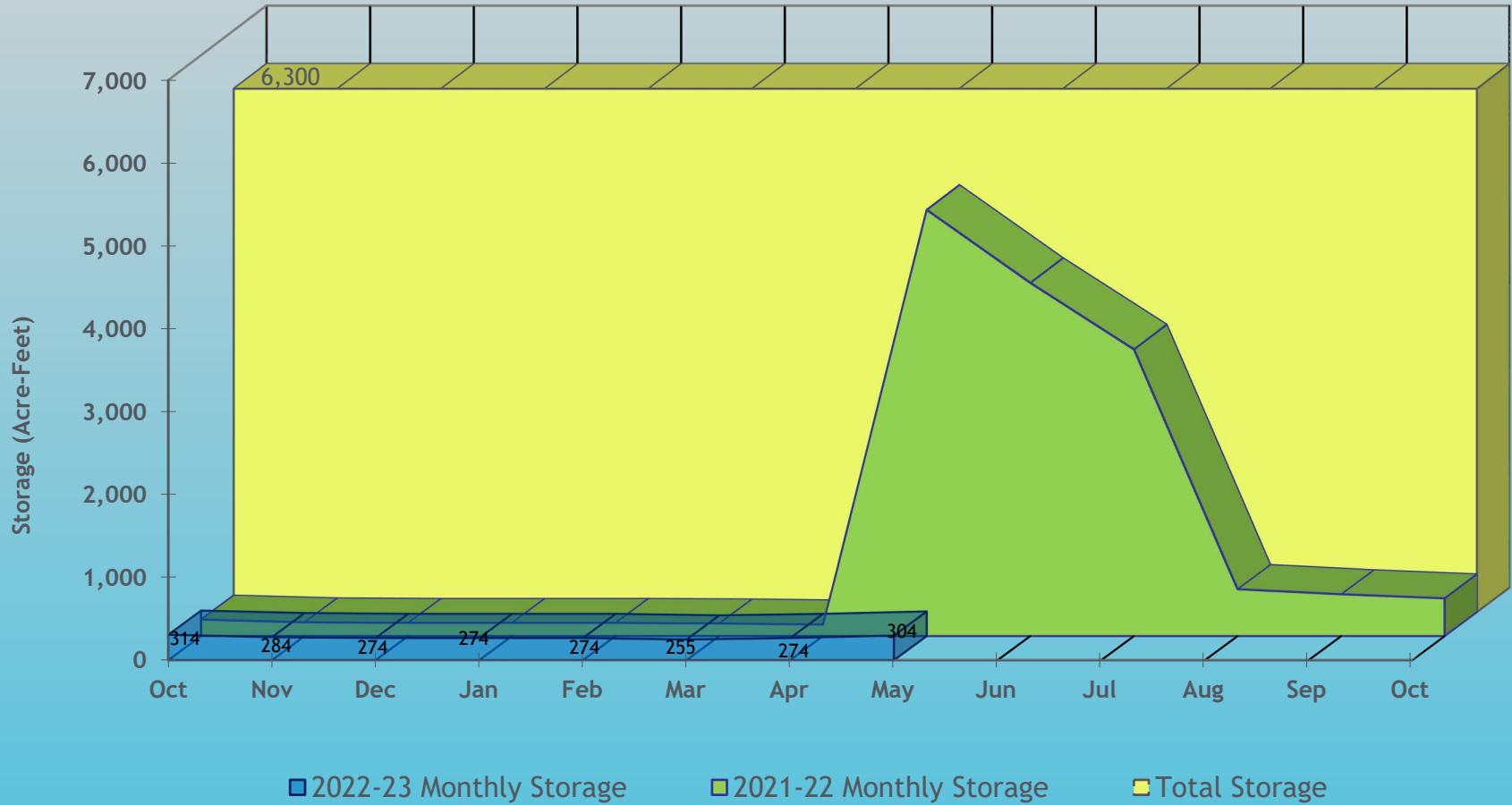




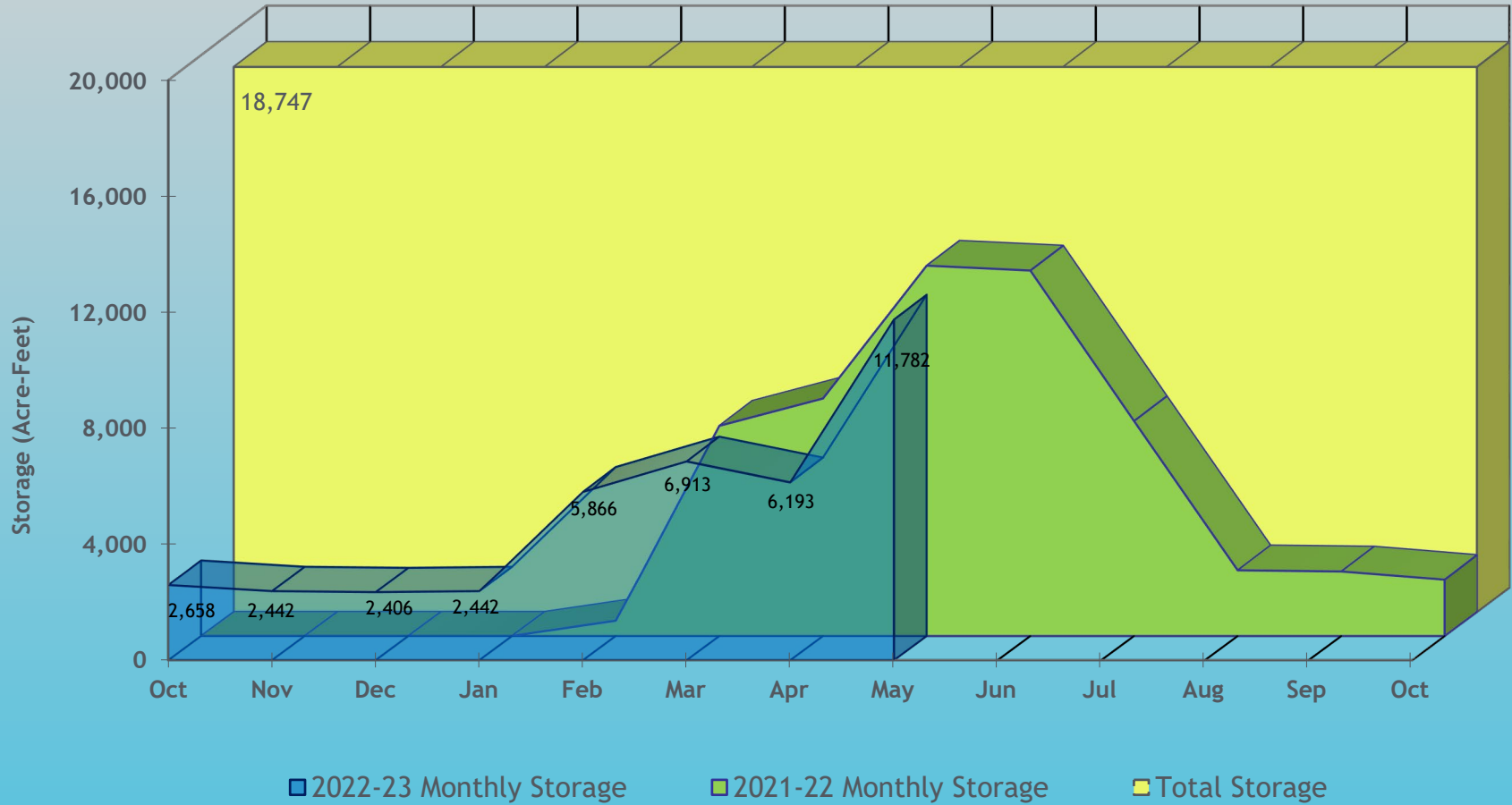
# Windsor Reservoir (District 3, Poudre River - Agricultural)



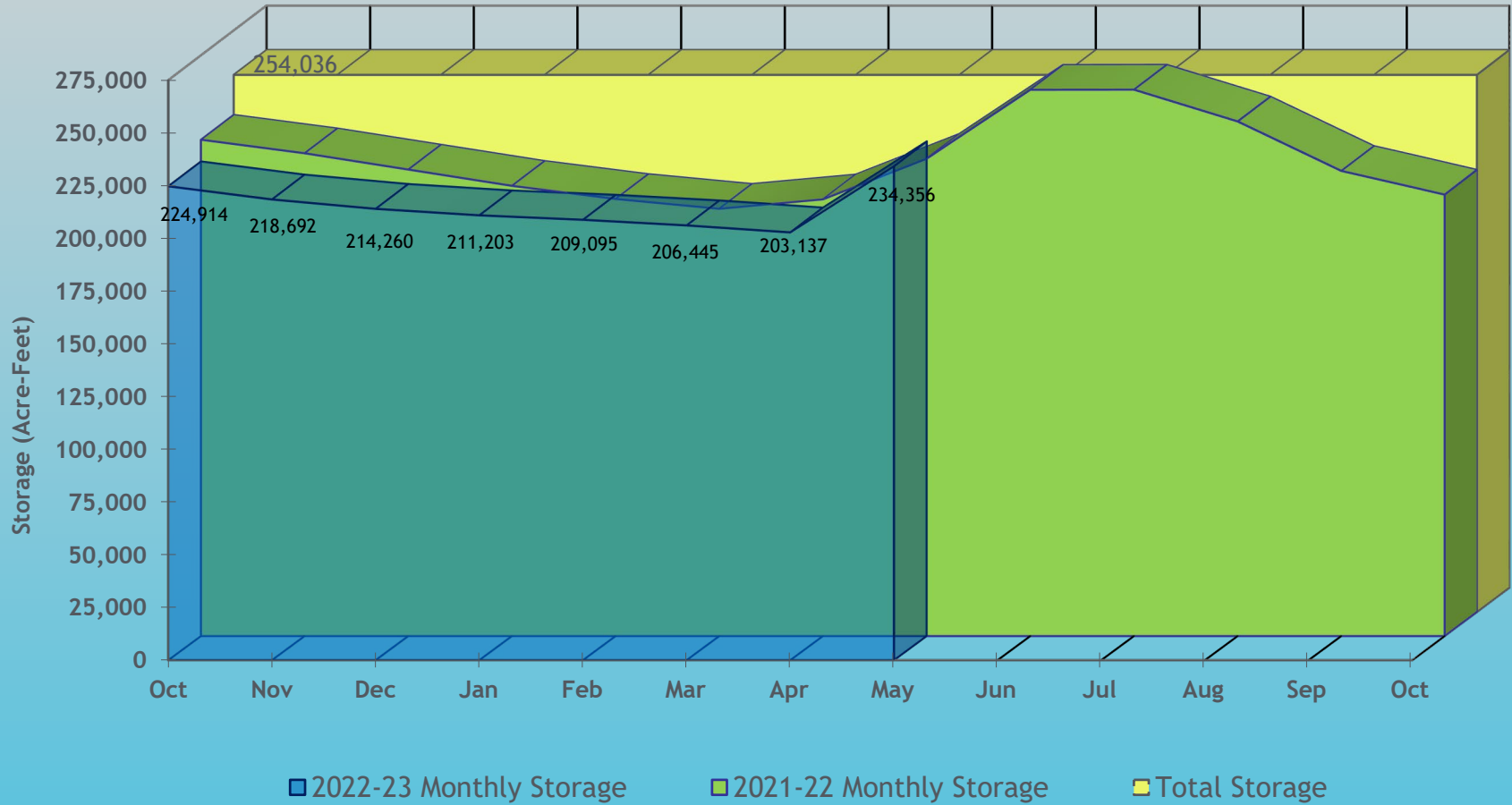
# Prospect Reservoir (District 1 - Agricultural)



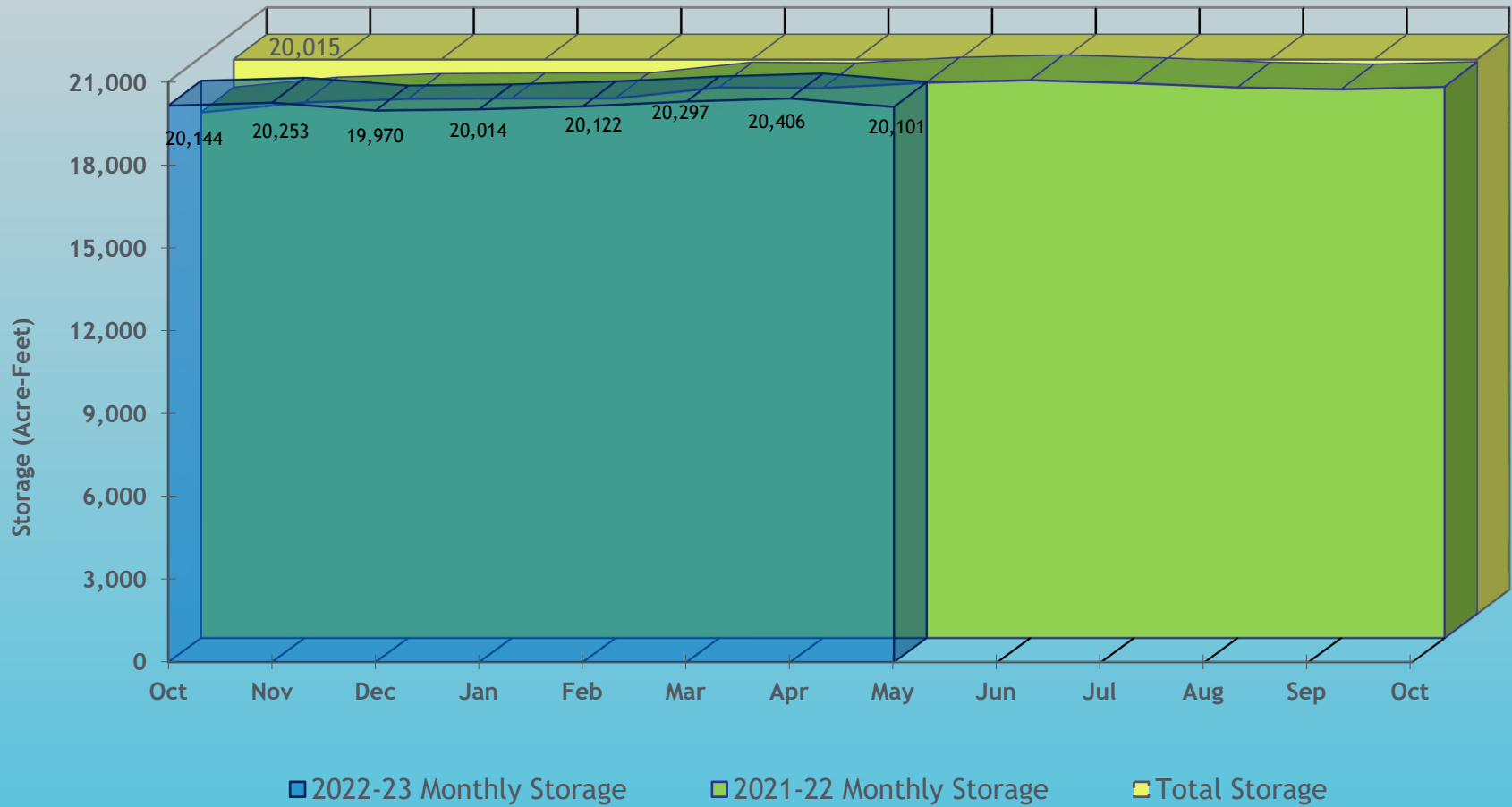
# Horse Creek Reservoir (District 1 - Agricultural)



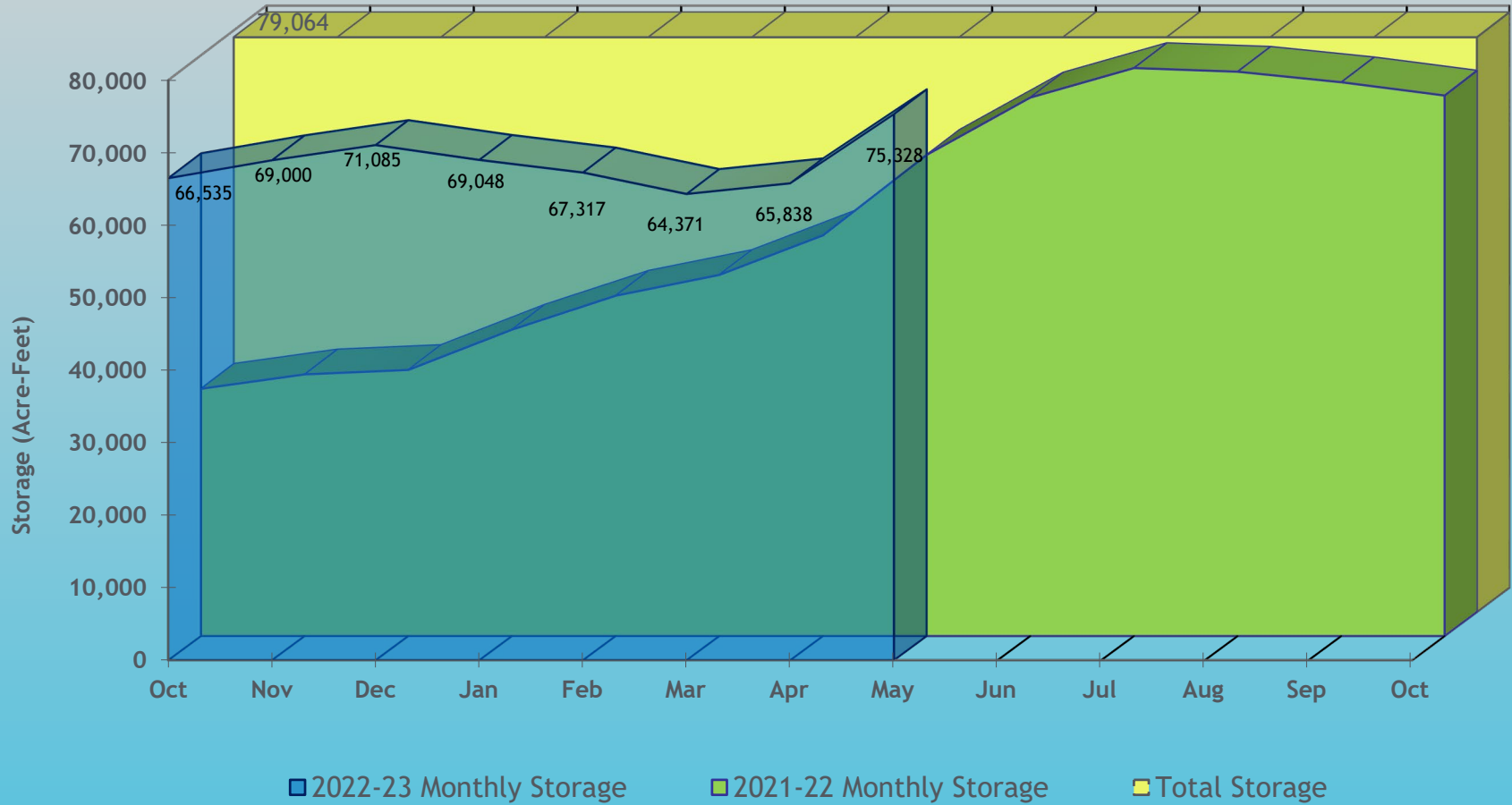
# Dillon Reservoir (District 1 - Municipal)



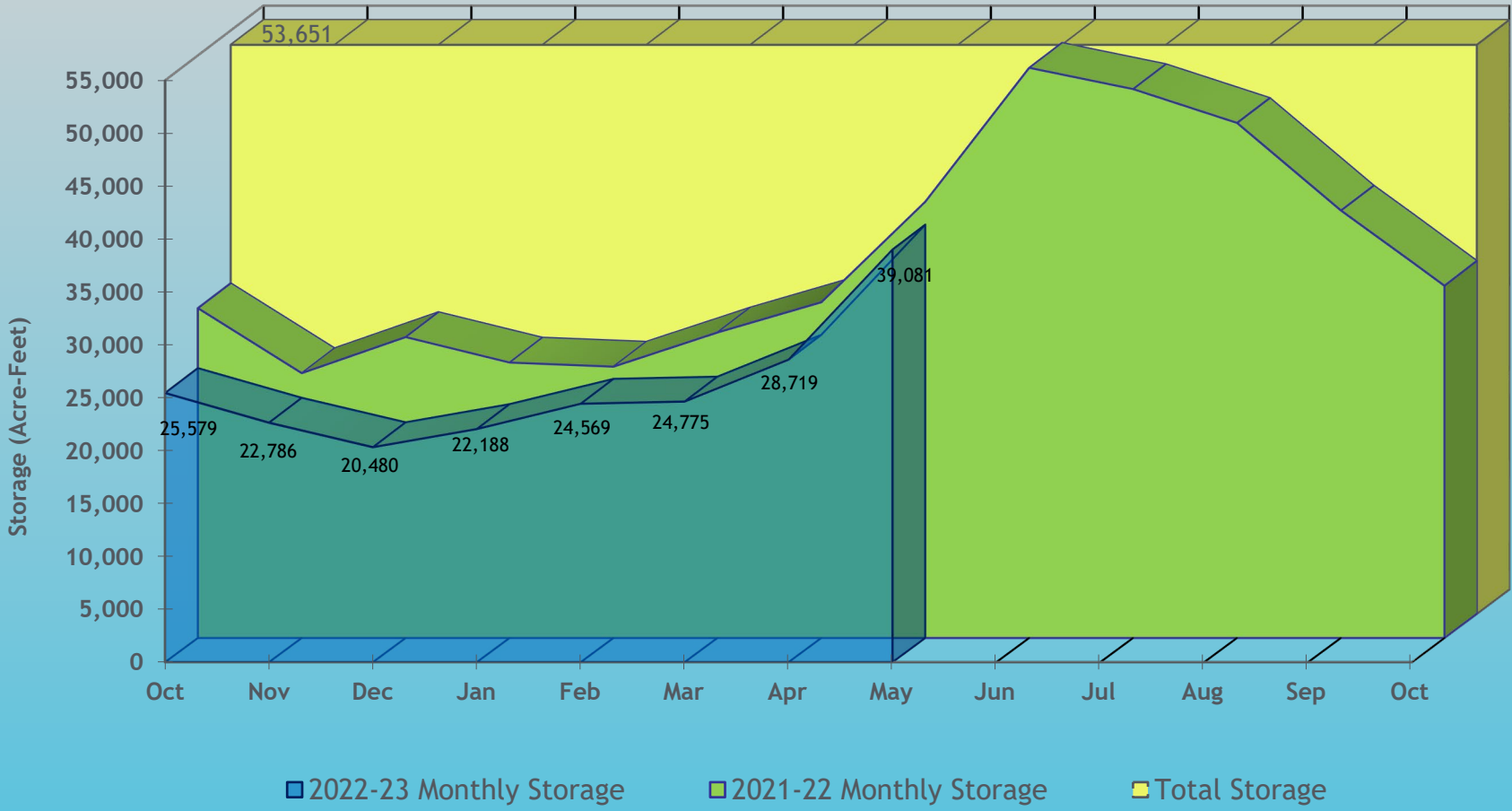
# Antero Reservoir (District 23 - Municipal)



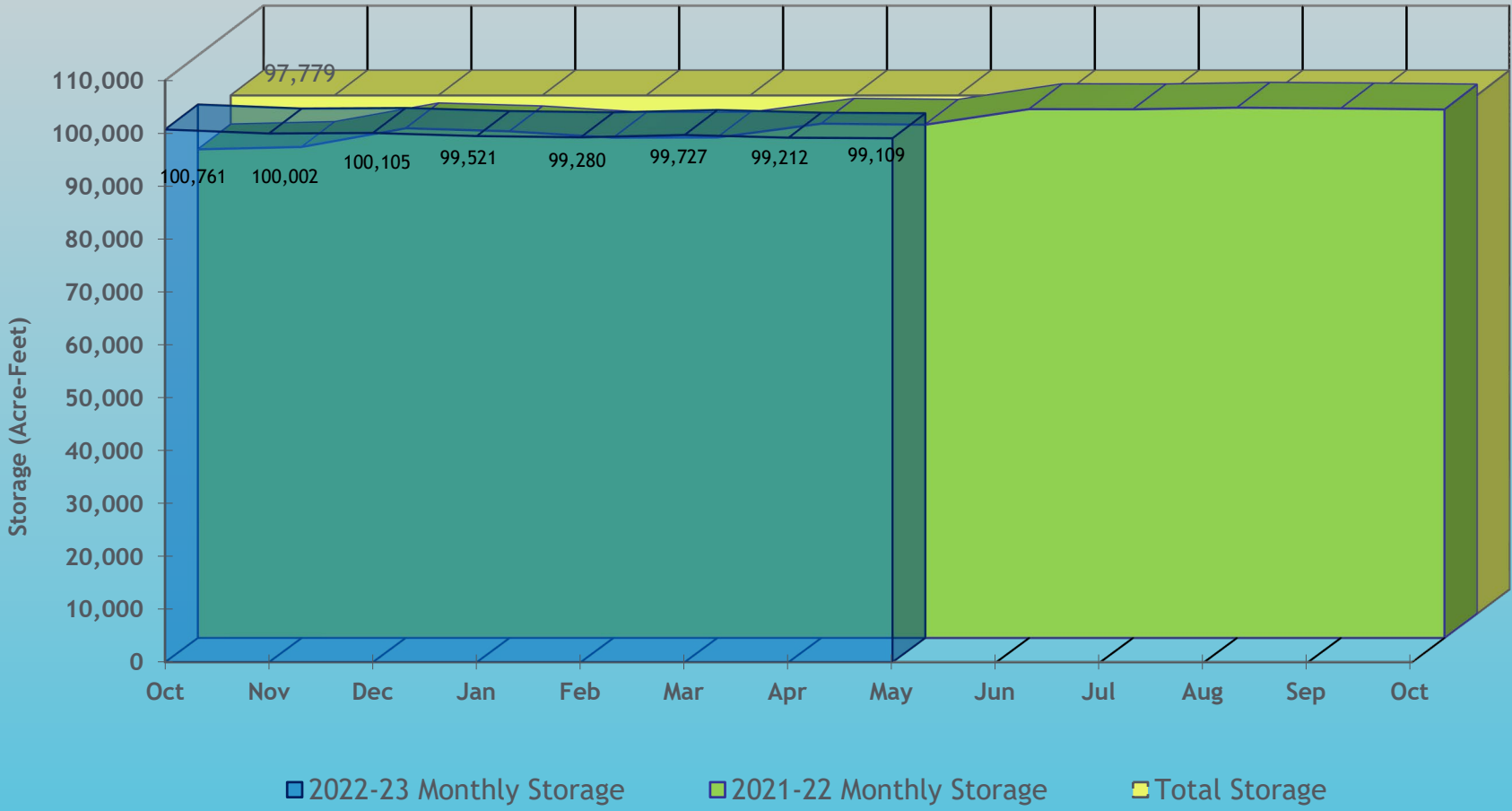
# Cheesman Reservoir (District 80 - Municipal)



# Spinney Mountain Reservoir (District 23 - Municipal)

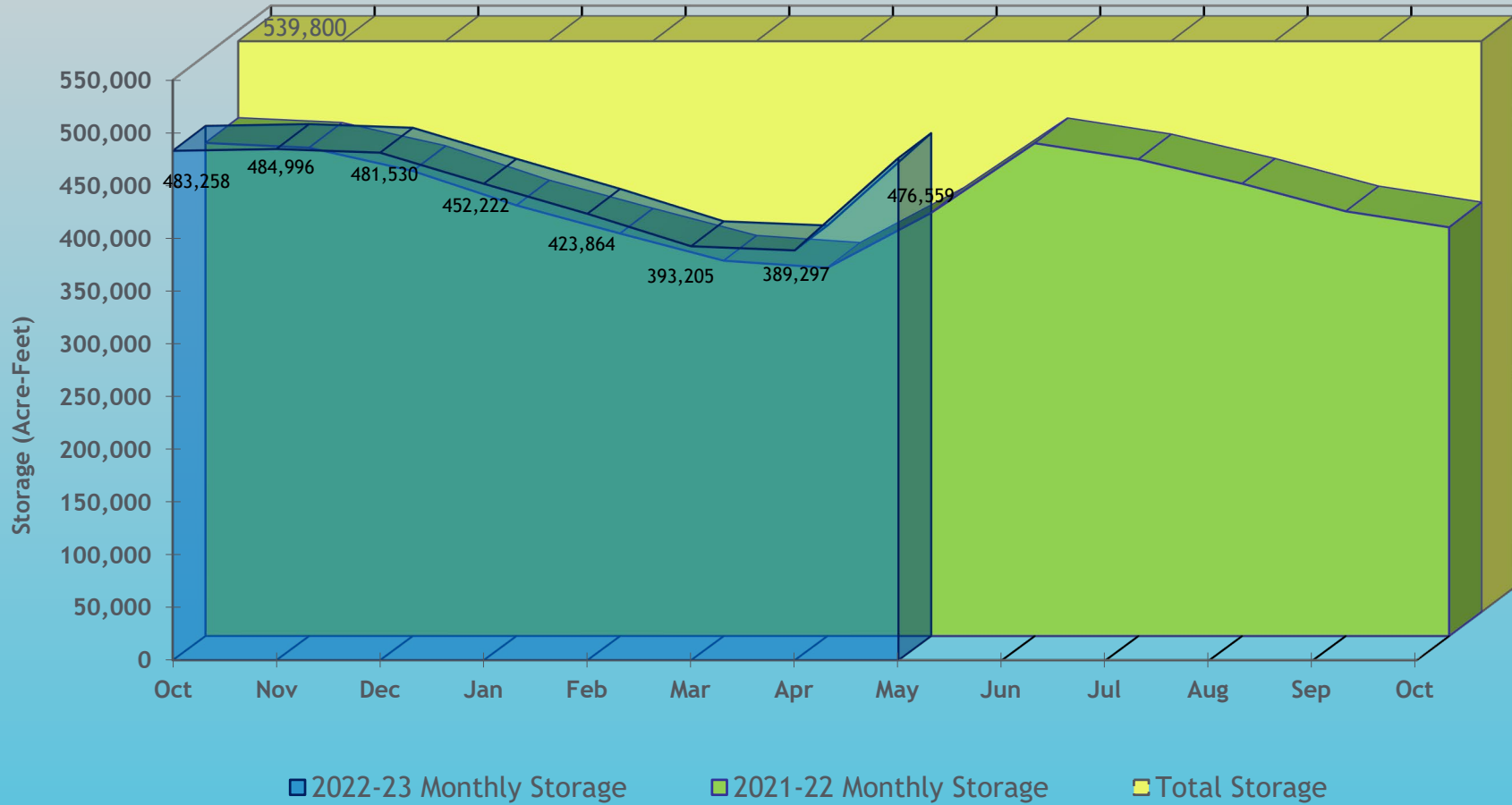


# Eleven Mile Reservoir (District 23 - Municipal)





# Lake Granby





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