

South Platte Summary

November 2012



Photo by:
Russell Stroud



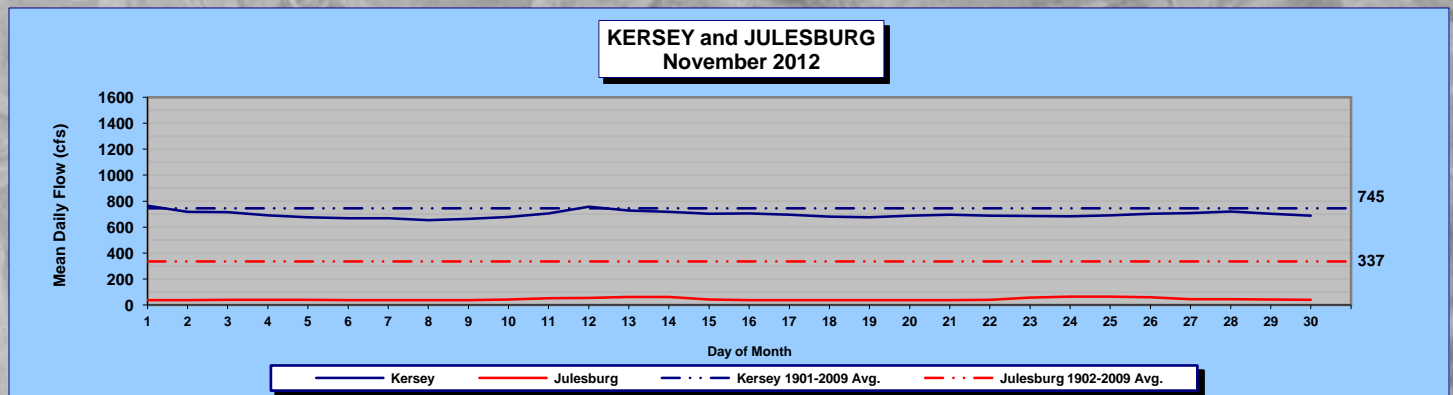
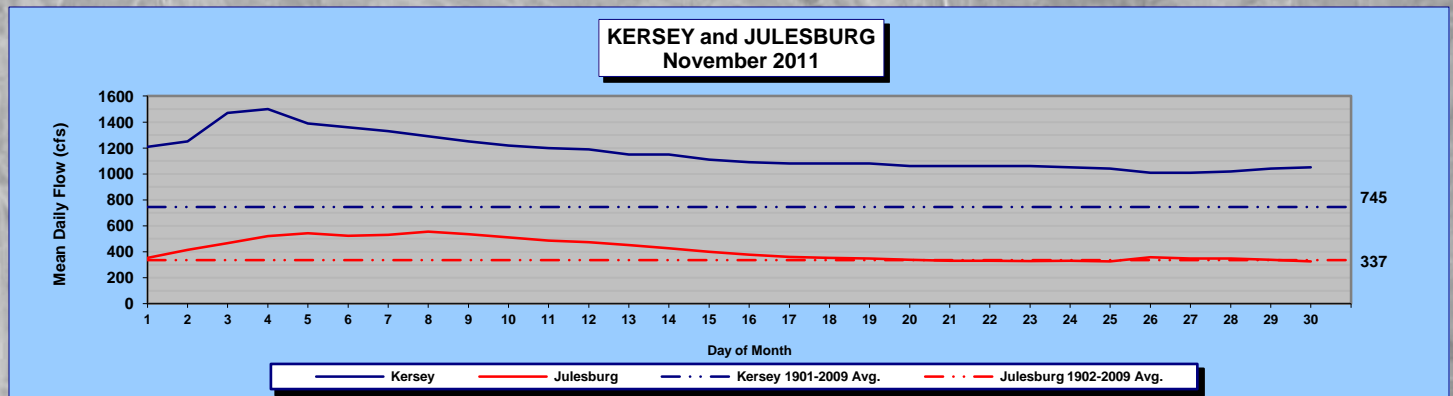
Compiled by Lee Cunning, P.E.

COLORADO DIVISION OF WATER RESOURCES, DIVISION 1

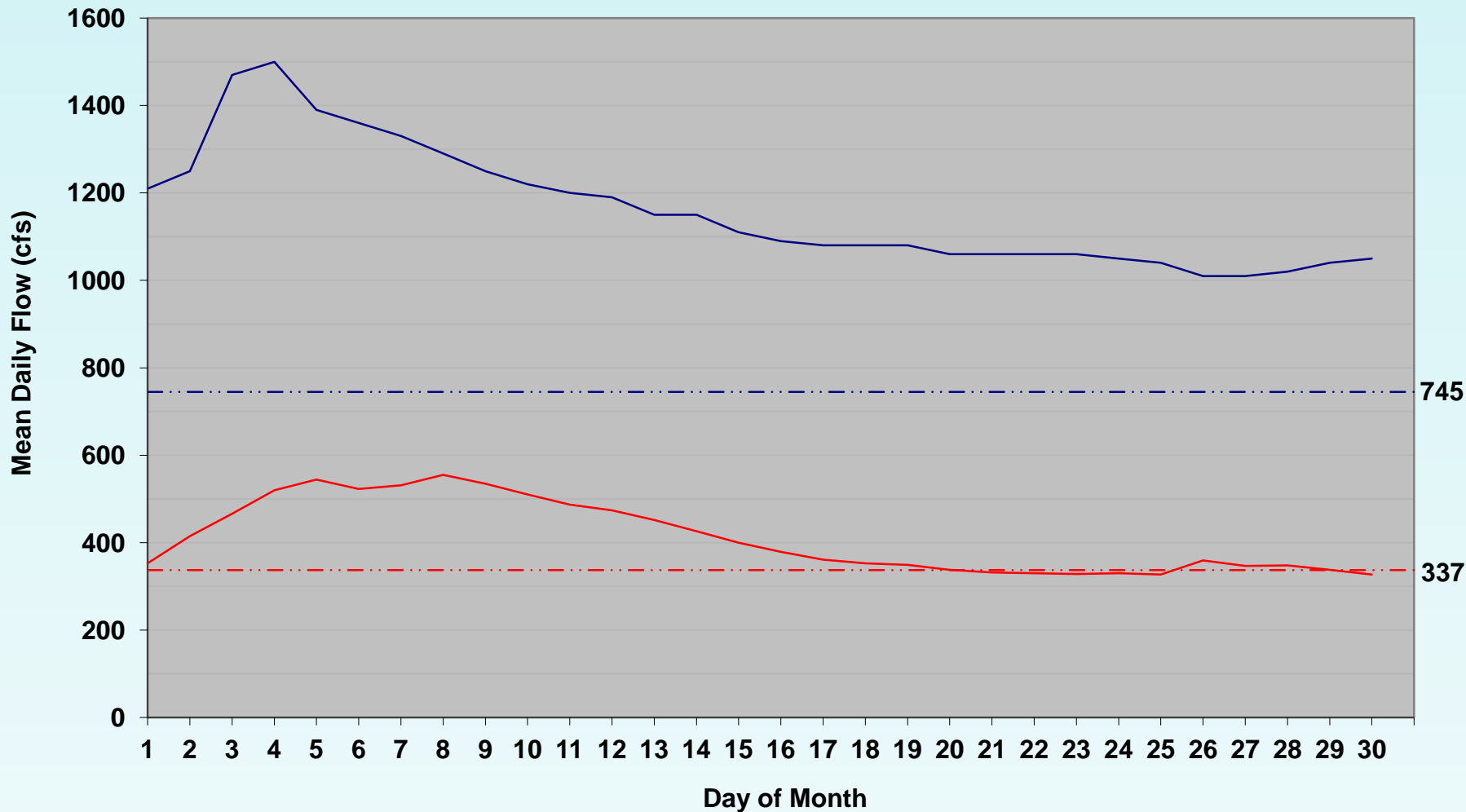
MONTH OF NOVEMBER 2012

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	5,894	14,521	64	8,627	146%	64%	85%	0
N STERLING	73,730	8,506	22,843	64	14,337	169%	31%	86%	0
PREWITT	28,500	6,397	5,981	64	-416	-7%	21%	64%	0
JACKSON	27,257	3,360	11,881	1	8,521	254%	44%	86%	0
EMPIRE	37,700	0	6,094	1	6,094	0%	16%	63%	0
RIVERSIDE	63,113	14,612	30,217	1	15,605	107%	48%	84%	0
BARR LAKE	32,152	3,996	7,399	2	3,403	85%	23%	53%	0
CHEESMAN	79,064	53,170	54,088	80	918	2%	68%	90%	0
ELEVEN MILE	97,779	98,153	98,494	23	341	0%	100%	100%	715
SPINNEY	53,651	37,861	38,258	23	397	1%	71%	91%	0
ANTERO	20,015	15,369	15,310	23	-59	0%	76%	82%	0

RIVER GAGES	MEAN DAILY FLOW (CFS)
KERSEY	698
JULESBURG	46
THIS MONTH LAST YEAR	
KERSEY	1162
JULESBURG	411
MEAN FOR PERIOD OF RECORD*	
KERSEY	745
JULESBURG	337
* 1901-2011	
1902-2011	

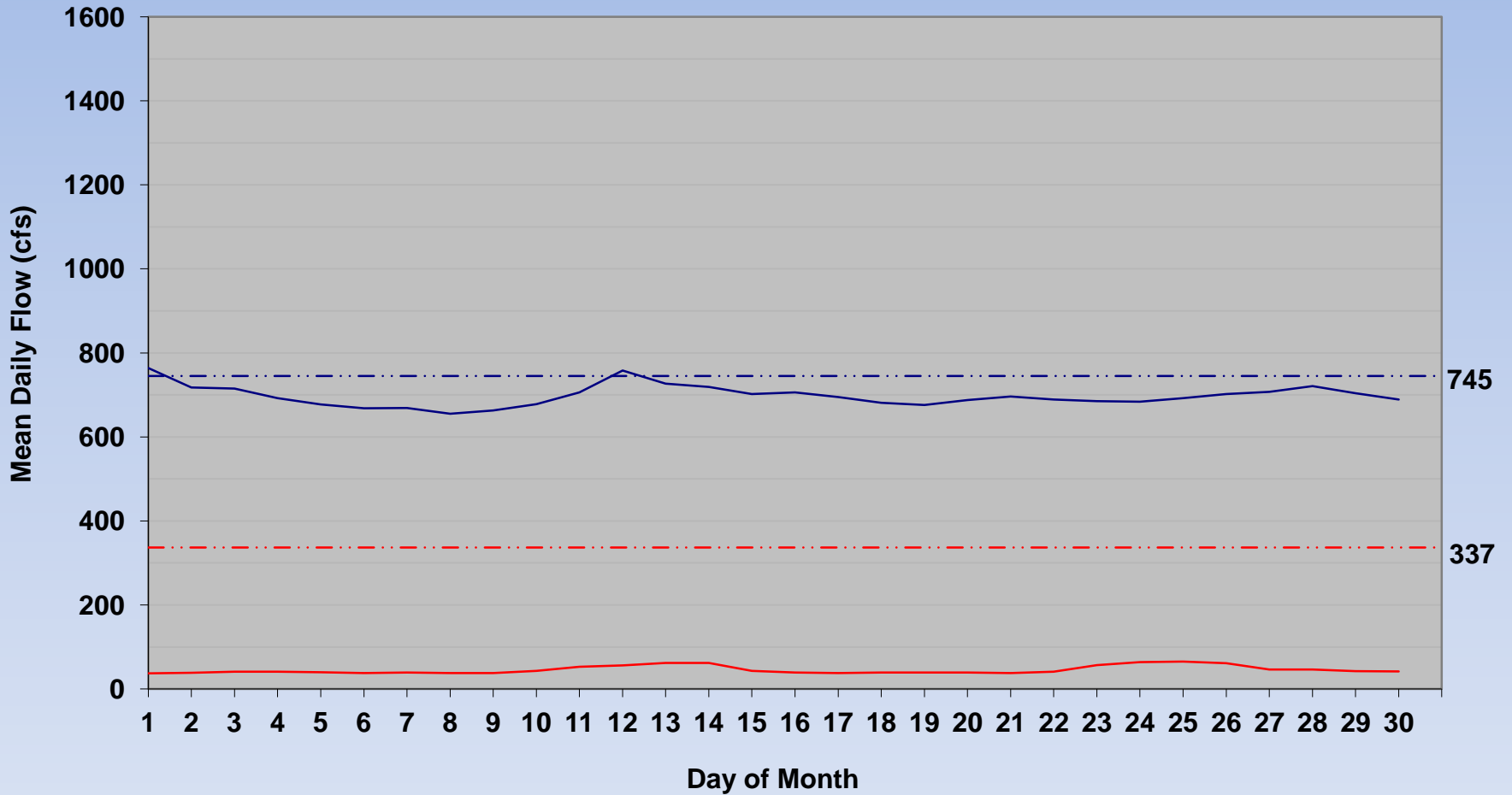


KERSEY and JULESBURG November 2011



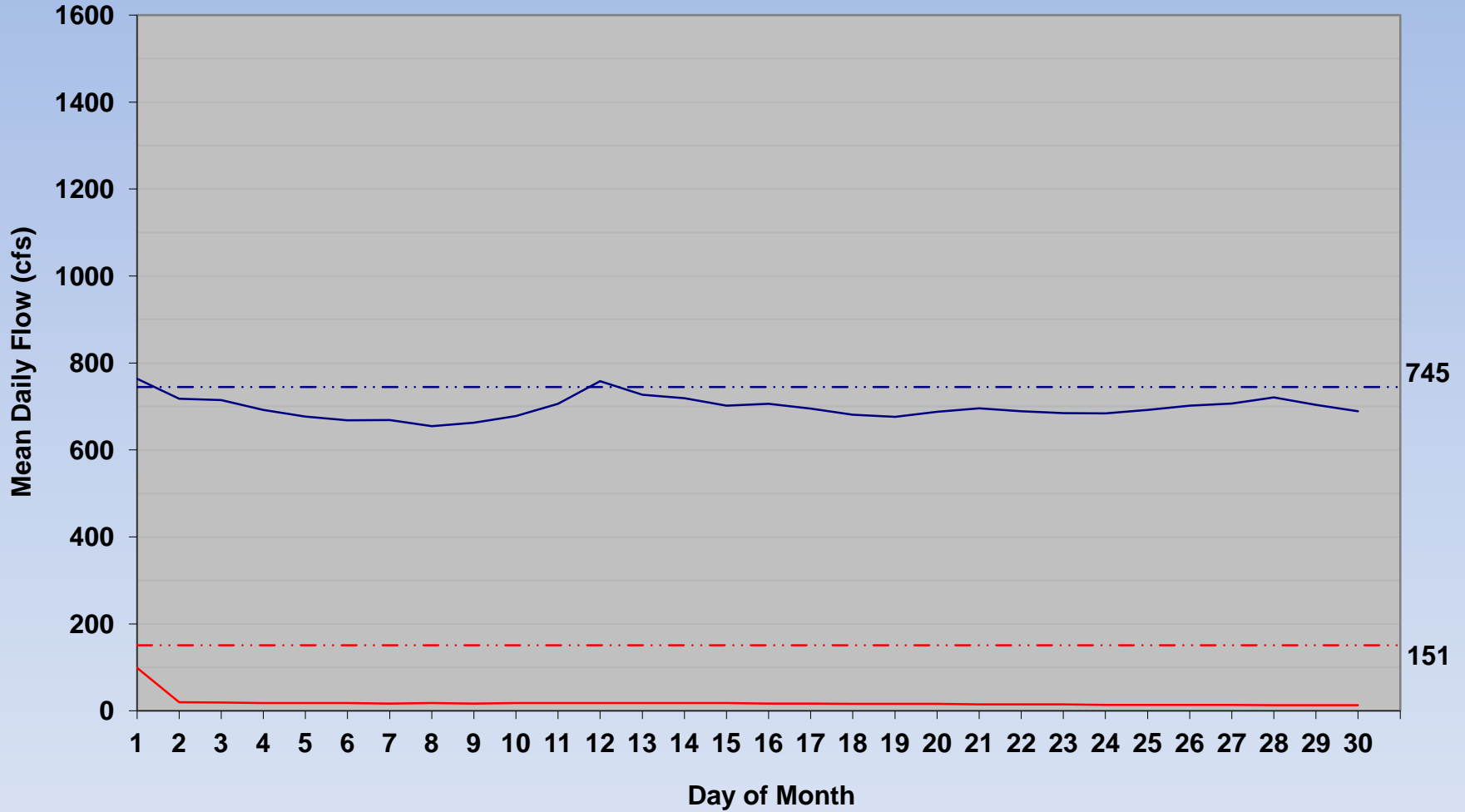
— Kersey — Julesburg - · - Kersey 1901-2009 Avg. - · - Julesburg 1902-2009 Avg.

KERSEY and JULESBURG November 2012



— Kersey — Julesburg - · - Kersey 1901-2009 Avg. - · - Julesburg 1902-2009 Avg.

KERSEY and BALZAC November 2012



— Kersey — Balzac - · - · Kersey 1901-2009 Avg. - · - · Balzac 1917-2009 Avg.

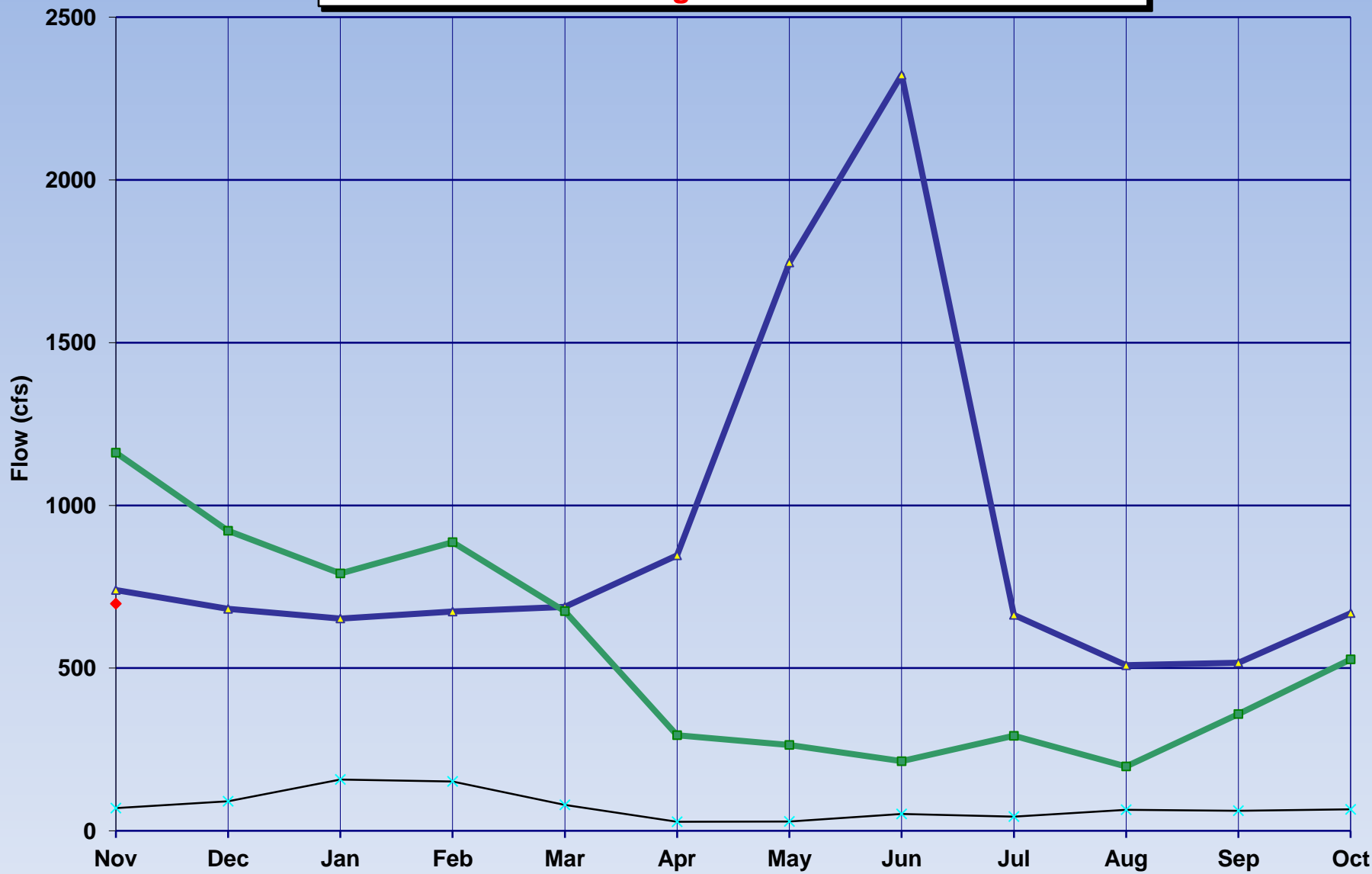
South Platte River Monthly Stream Flow (cfs) Statistics

South Platte River at Kersey							South Platte River at Julesburg						
Month	Historic* Mean Flow	Historic* Max Flow	Year	Historic* Min Flow	Year	IY 2013 Mean Monthly Flow	Month	Historic* Mean Flow	Historic* Max Flow	Year	Historic* Min Flow	Year	IY 2013 Mean Monthly Flow
Nov	740	3650	1984	70	1934	698	Nov	335	2900	1984	4.2	1903	46
Dec	682	1890	1961	91	1934		Dec	397	1820	1984	13	2002	
Jan	652	2160	1974	158	1935		Jan	509	2510	1970	21	2003	
Feb	674	3060	1914	152	1935		Feb	582	3220	1930	29	2005	
Mar	688	3470	1983	80	1935		Mar	522	12900	1910	15	1904	
Apr	846	18100	1942	28	1955		Apr	523	14400	1942	4.0	1904	
May	1746	26100	1973	29	1955		May	1003	18100	1973	12	1911	
Jun	2323	31000	1921	52	1954		Jun	1430	30800	1921	2.0	1910	
Jul	664	12600	1983	44	1955		Jul	295	12600	1983	0.0	1903	
Aug	509	9690	1951	65	1934		Aug	180	8920	1968	0.0	1903	
Sep	517	14200	1938	62	1940		Sep	239	7130	1938	2.0	1902	
Oct	669	6180	1984	66	1954		Oct	301	3130	1984	4.2	1903	
*Period of record 1902-2011							*Period of record 1902-2011						



South Platte River at Kersey

Irrigation Year

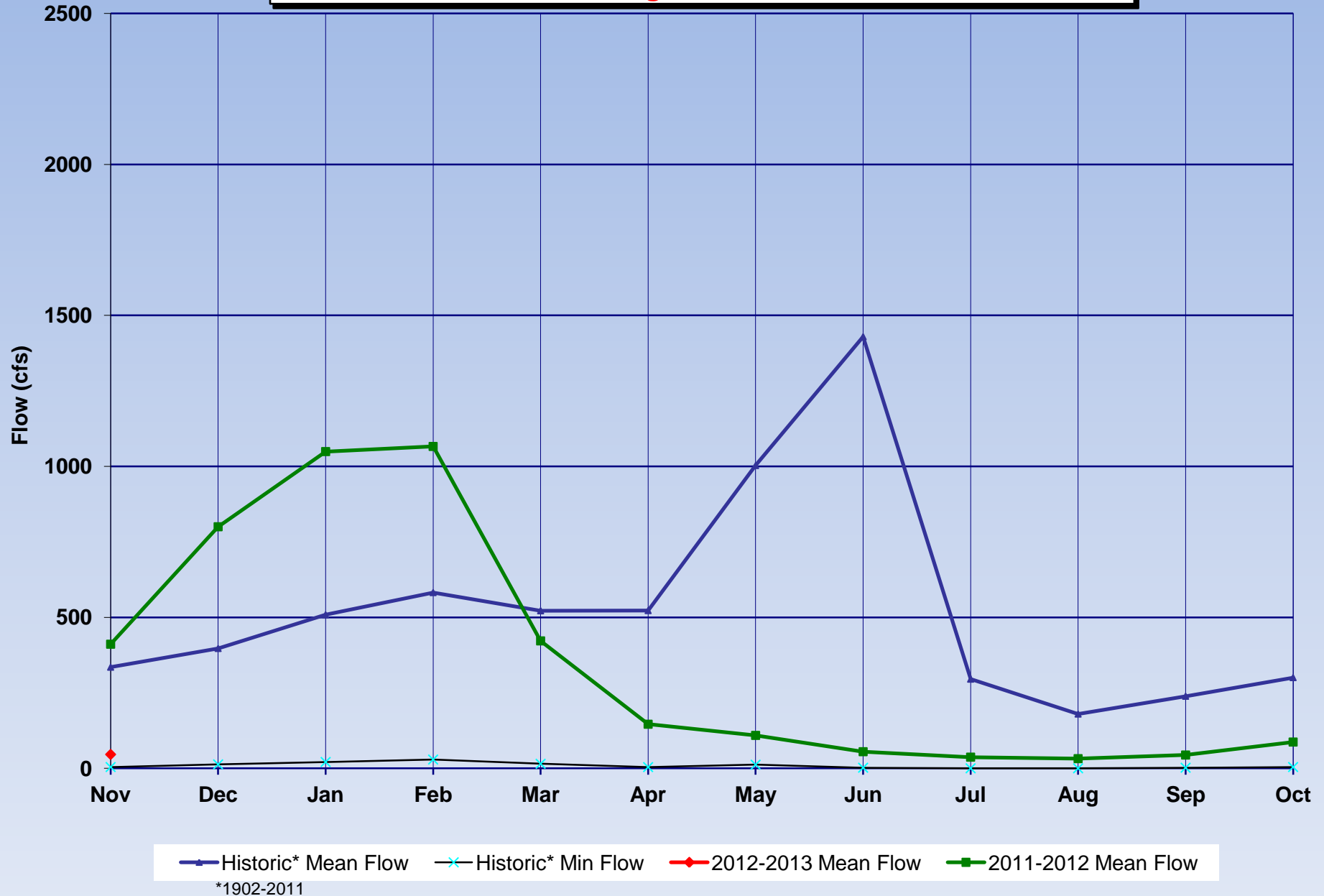



—▲— Historic* Mean Flow —×— Historic* Min Flow —◆— 2012-2013 Mean Flow —■— 2011-2012 Mean Flow

*1901-2011

South Platte River at Julesburg

Irrigation Year

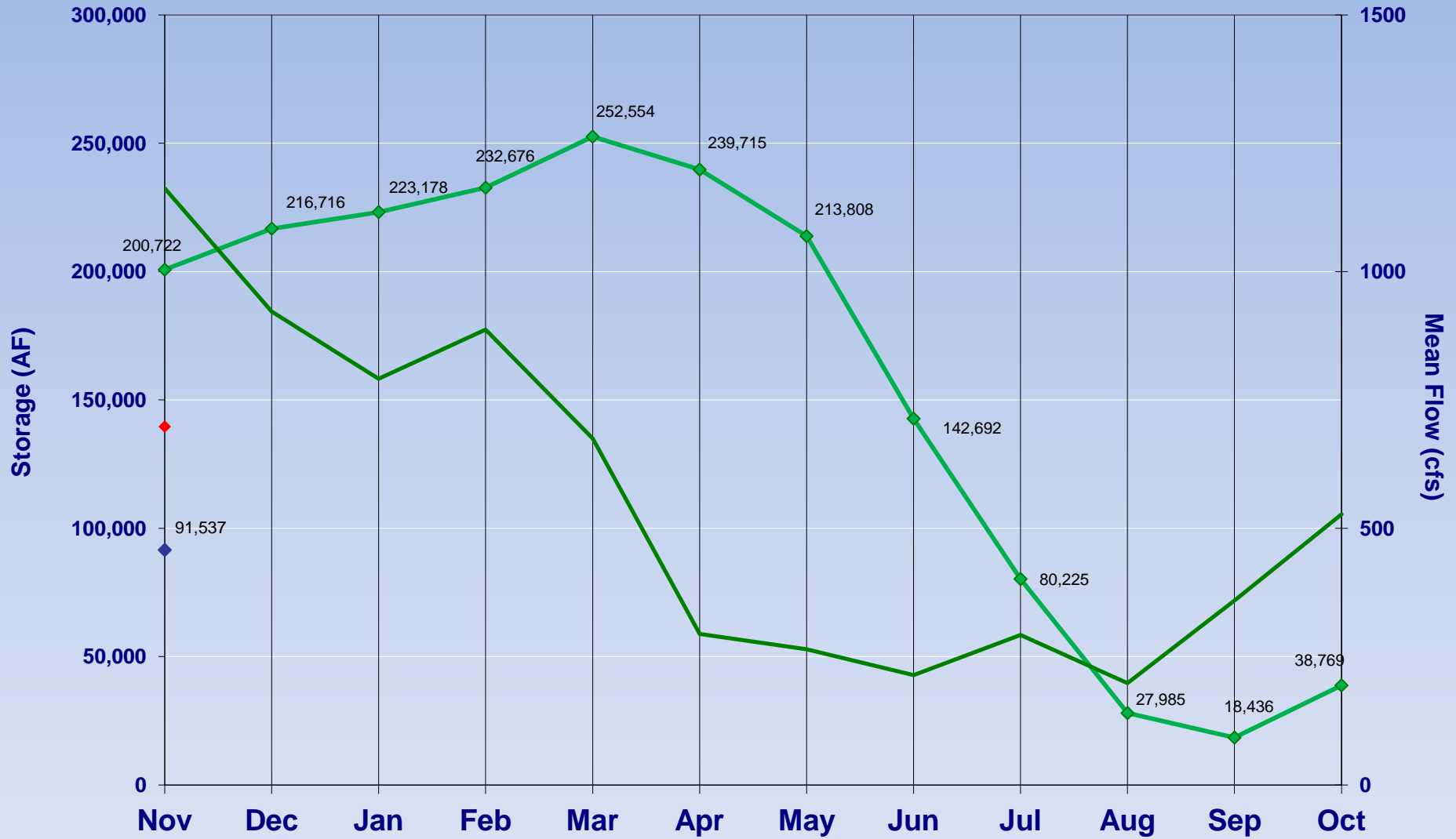




**Next three slides show Reservoir
Storage above and below Kersey**

Reservoir Storage below Kersey

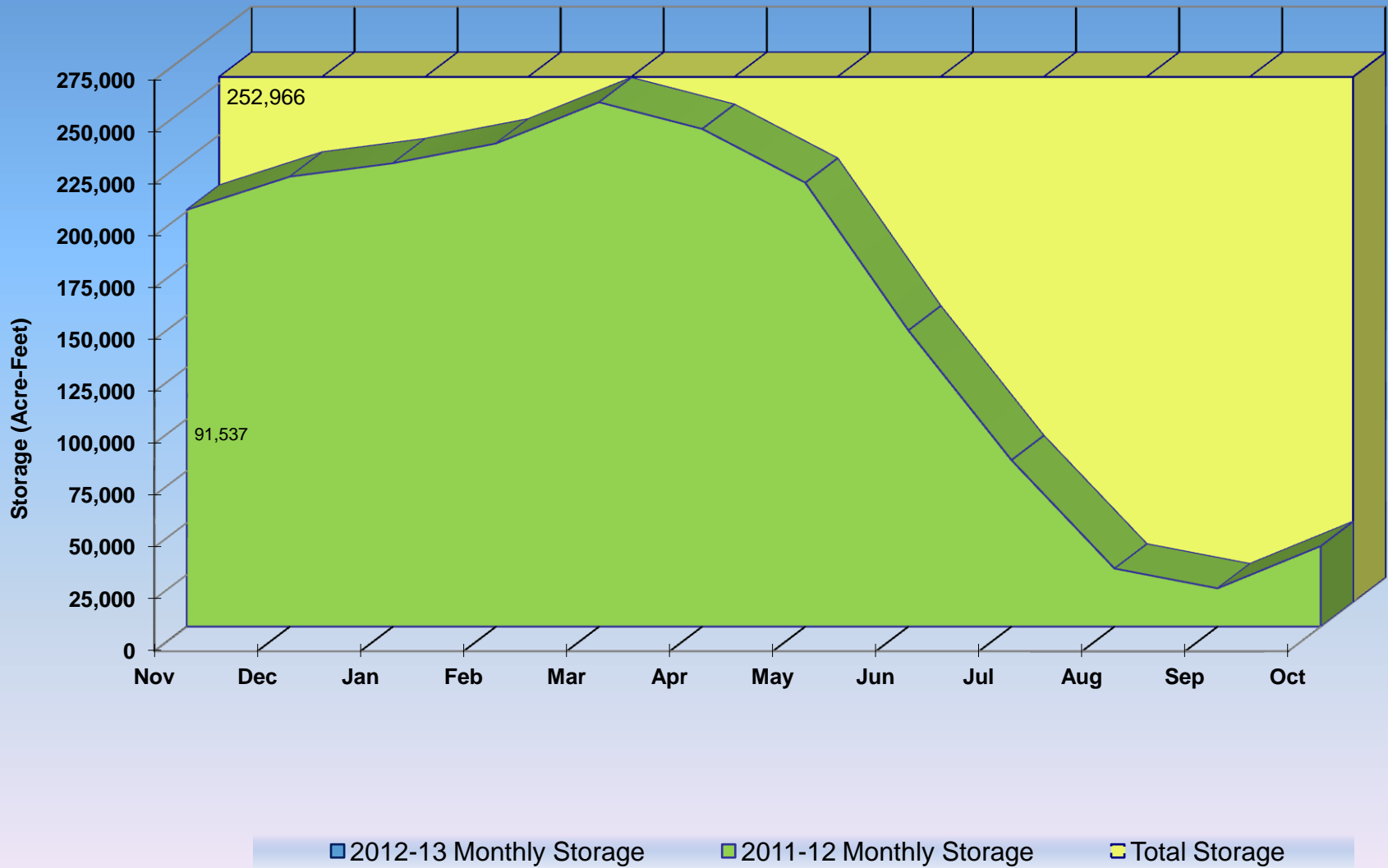
Selected Reservoirs*



◆ 2011-12 Monthly Storage
 ◆ 2012-13 Monthly Storage
 — Kersey 2011-12
 ◆ Kersey 2012-13

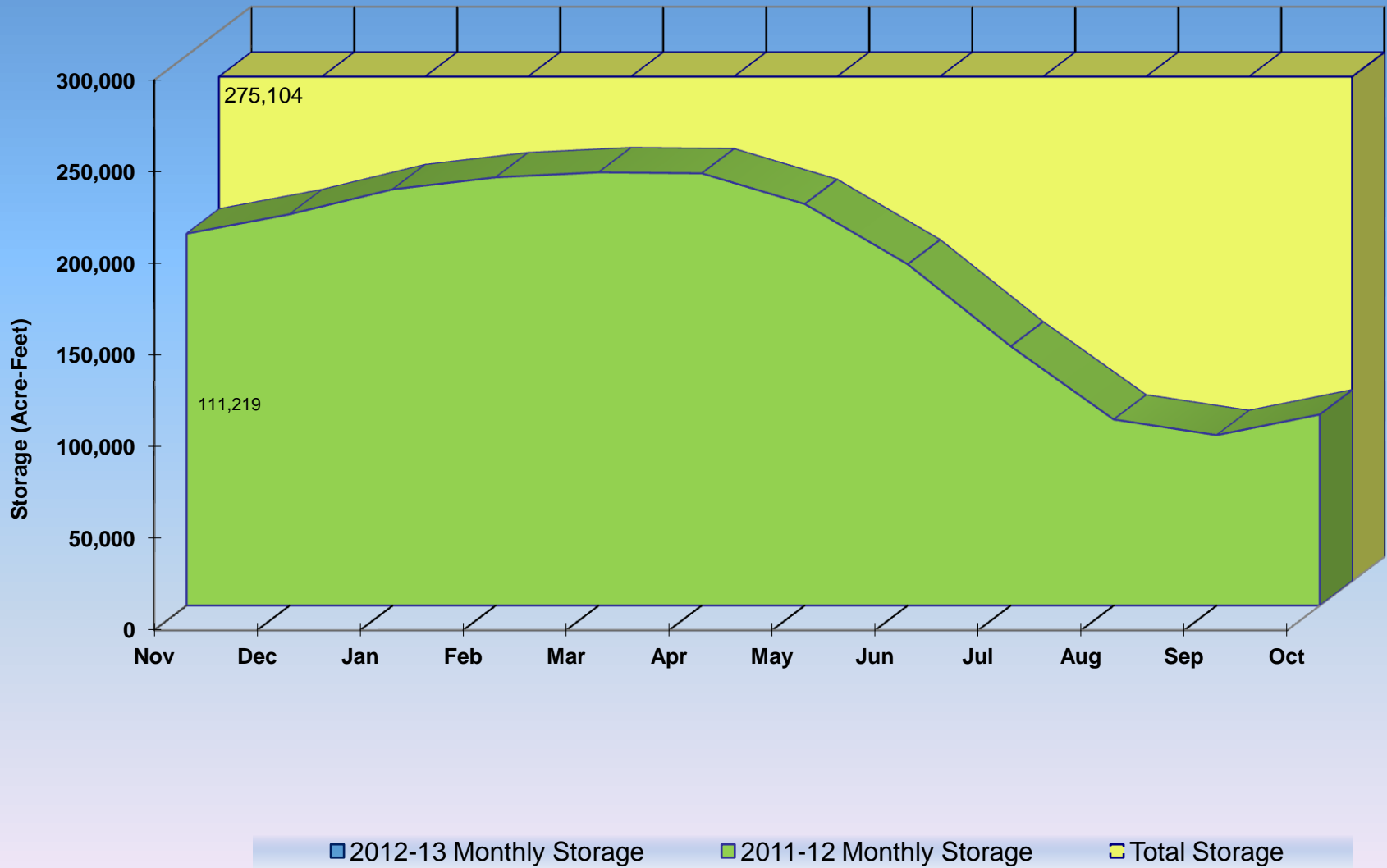
*Empire, Riverside, Jackson, Prewitt, North Sterling, & Julesburg

South Platte Reservoir Storage below Kersey*



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

South Platte Reservoir Storage above Kersey*

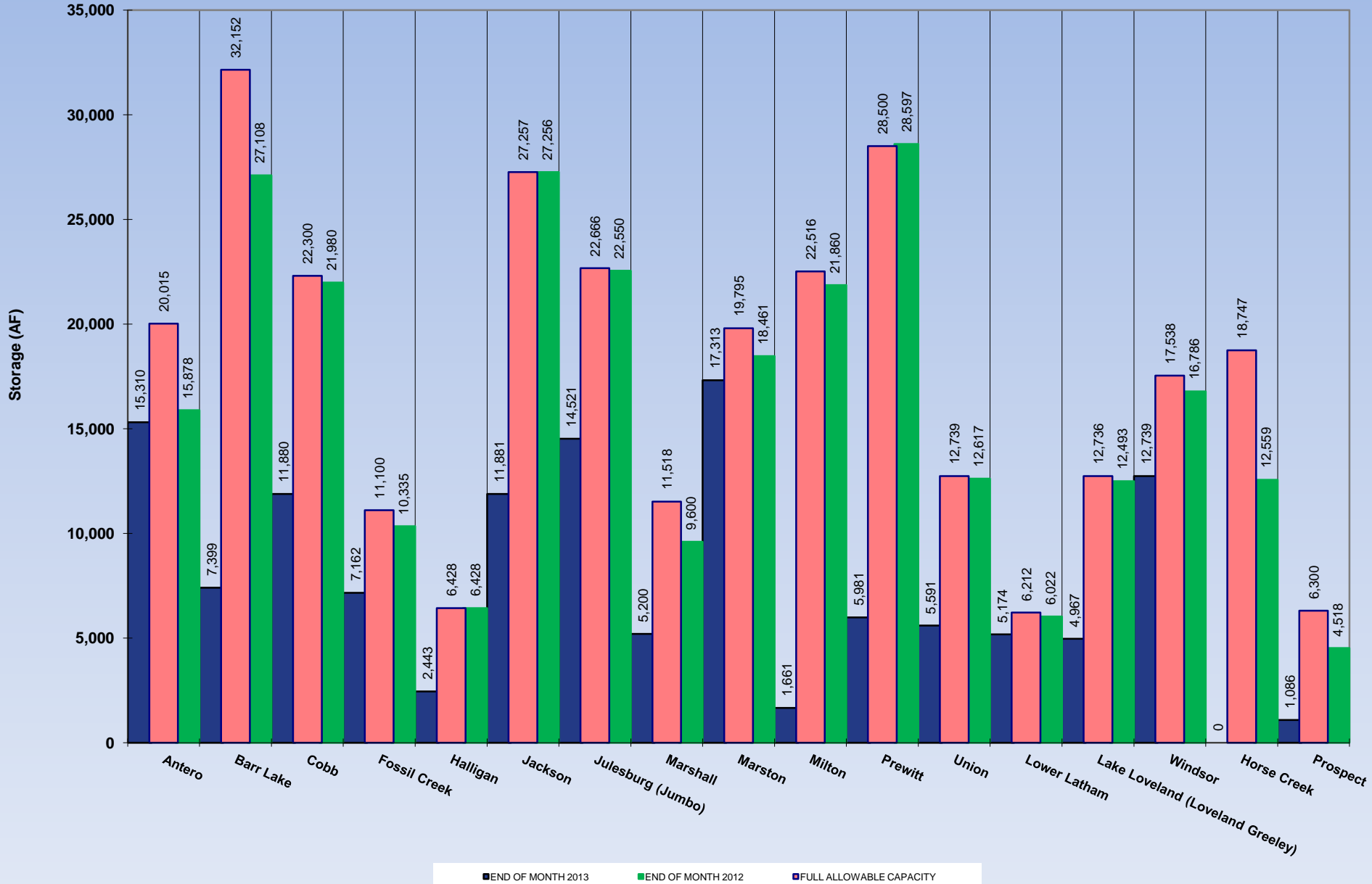


*Barr, Cobb, Fossil Crk, Halligan, Marshall, Milton, Union, Standley, Lower Latham, Boyd, Loveland, Windsor, Horse Crk, & Prospect

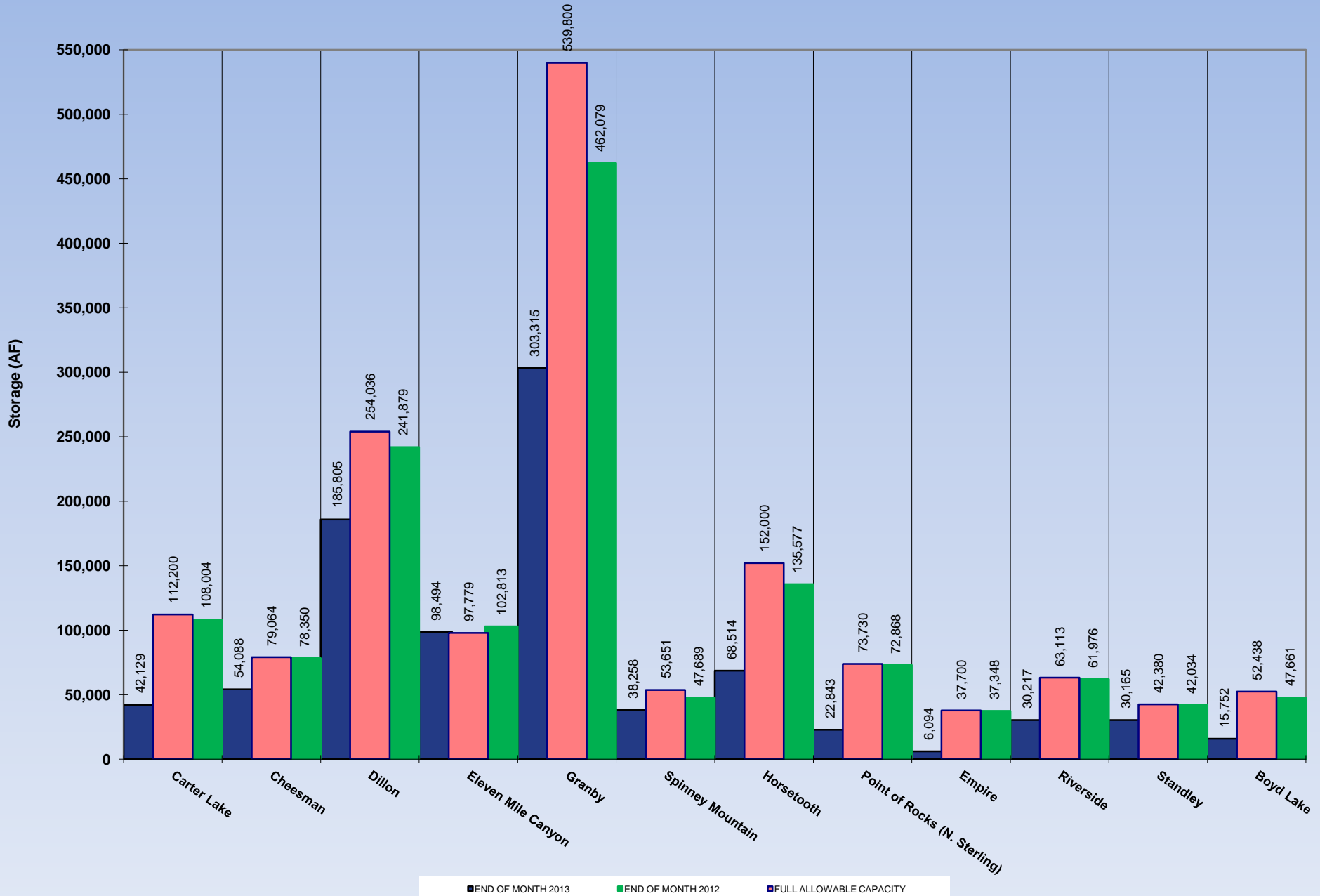
Individual Reservoir Storage Follows



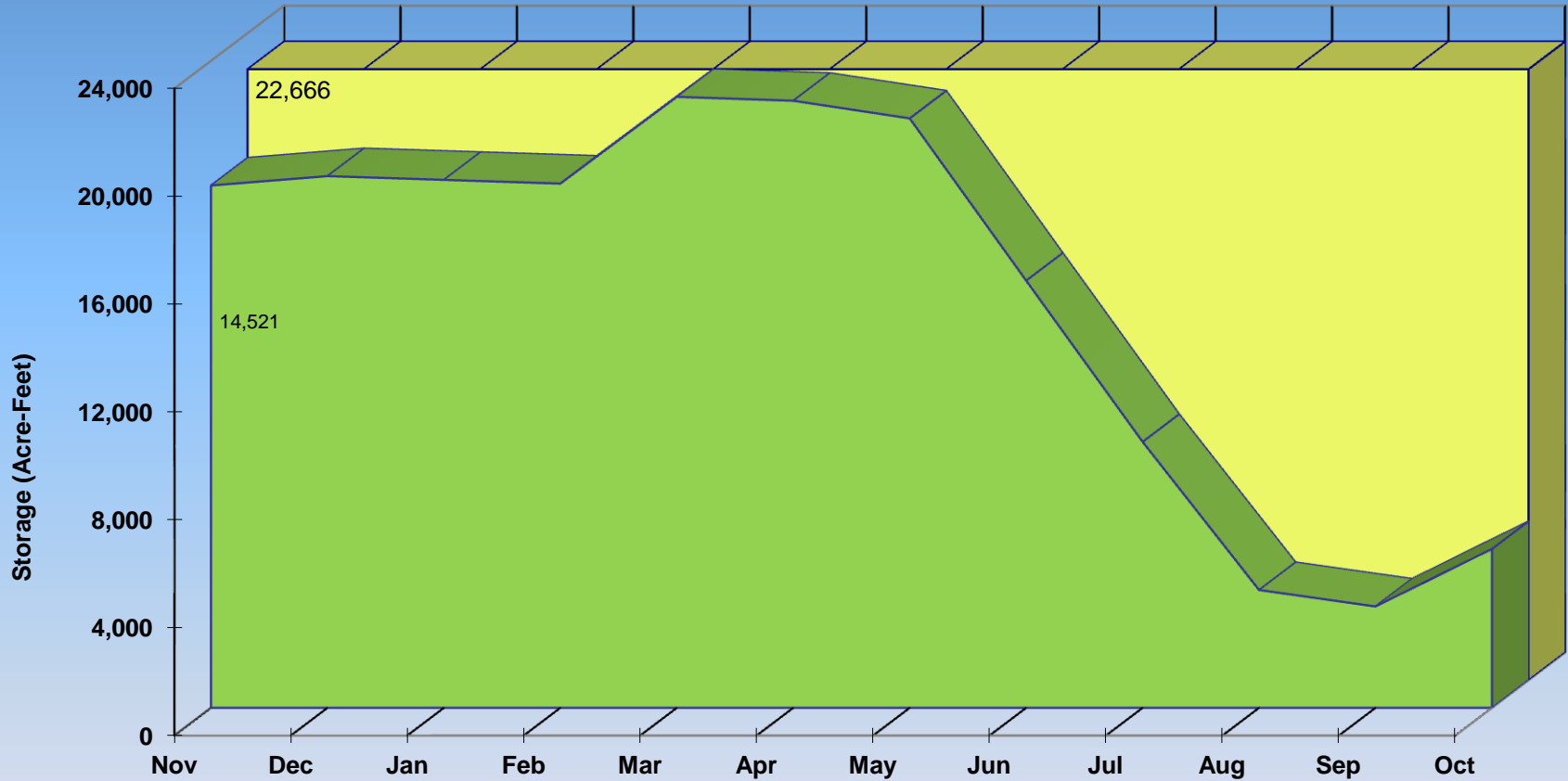
November Reservoir Change in Storage 2012 versus 2013



November Reservoir Change in Storage 2012 versus 2013

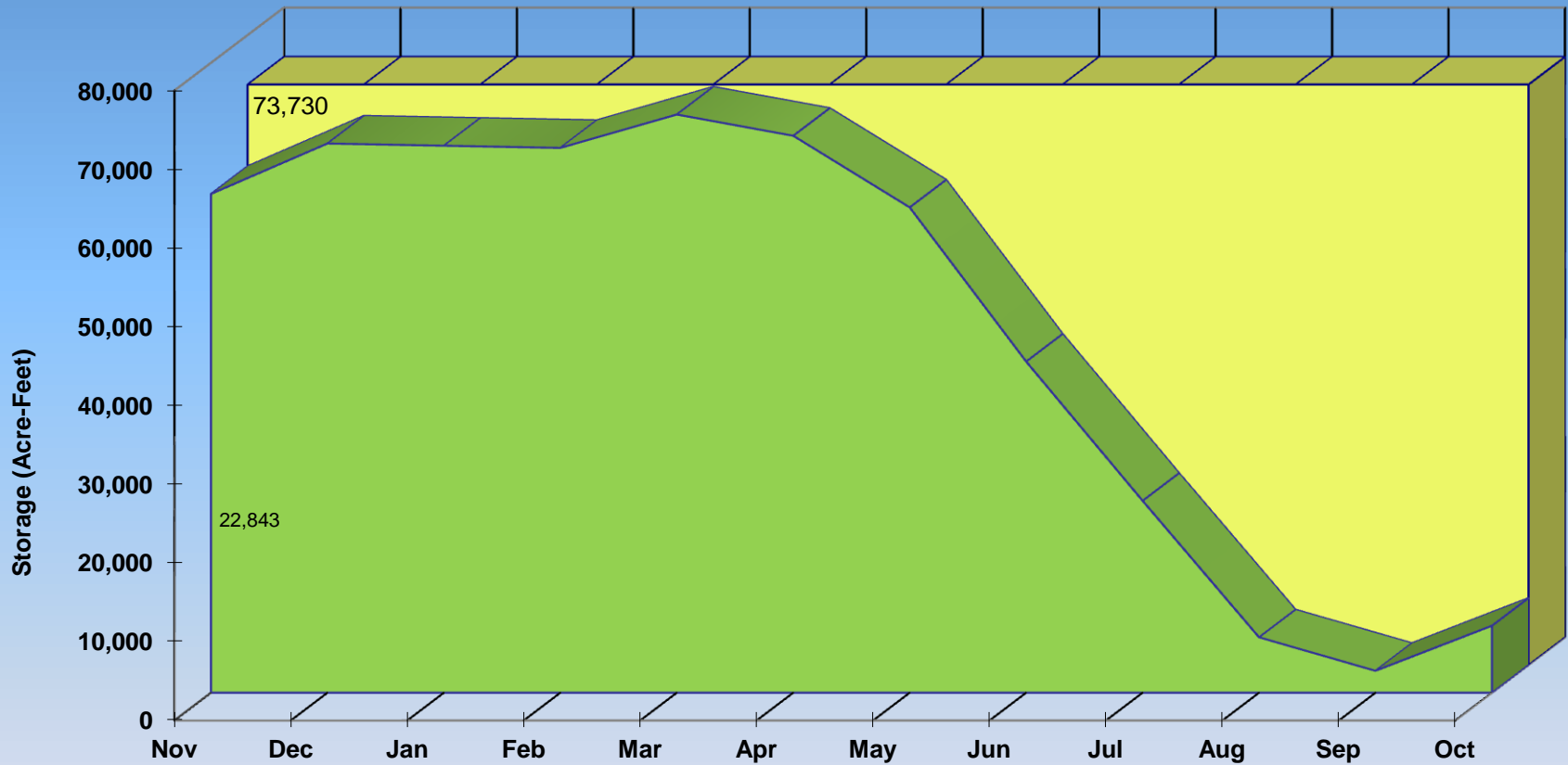


Julesburg Reservoir (District 64 - Agricultural)



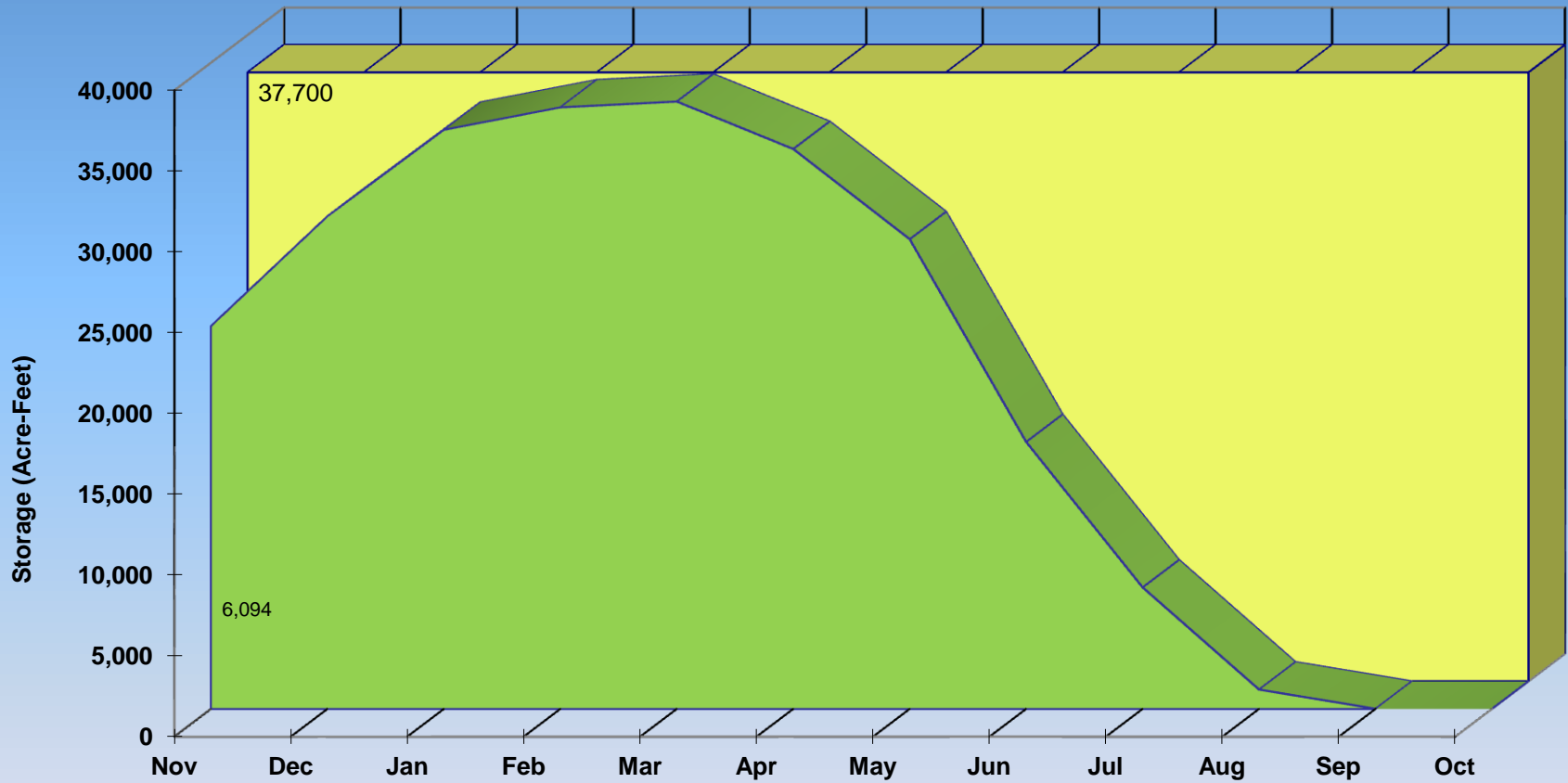
■ 2012-13 Monthly Storage
 ■ 2011-12 Monthly Storage
 ■ Total Storage

North Sterling Reservoir (District 64- Agricultural)



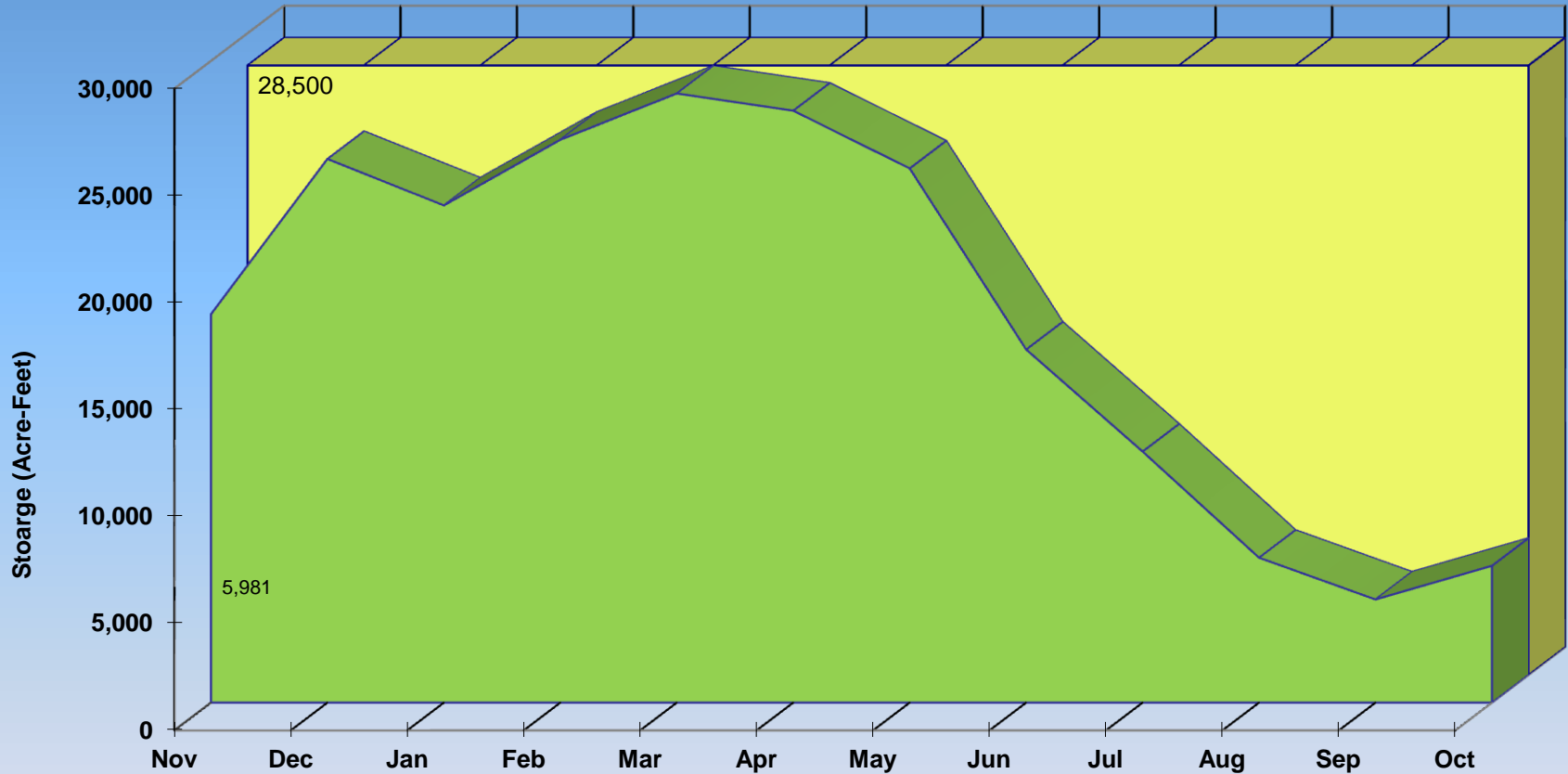
■ 2012-13 Monthly Storage ■ 2011-12 Monthly Storage ■ Total Storage

Empire Reservoir (District 1- Agricultural)



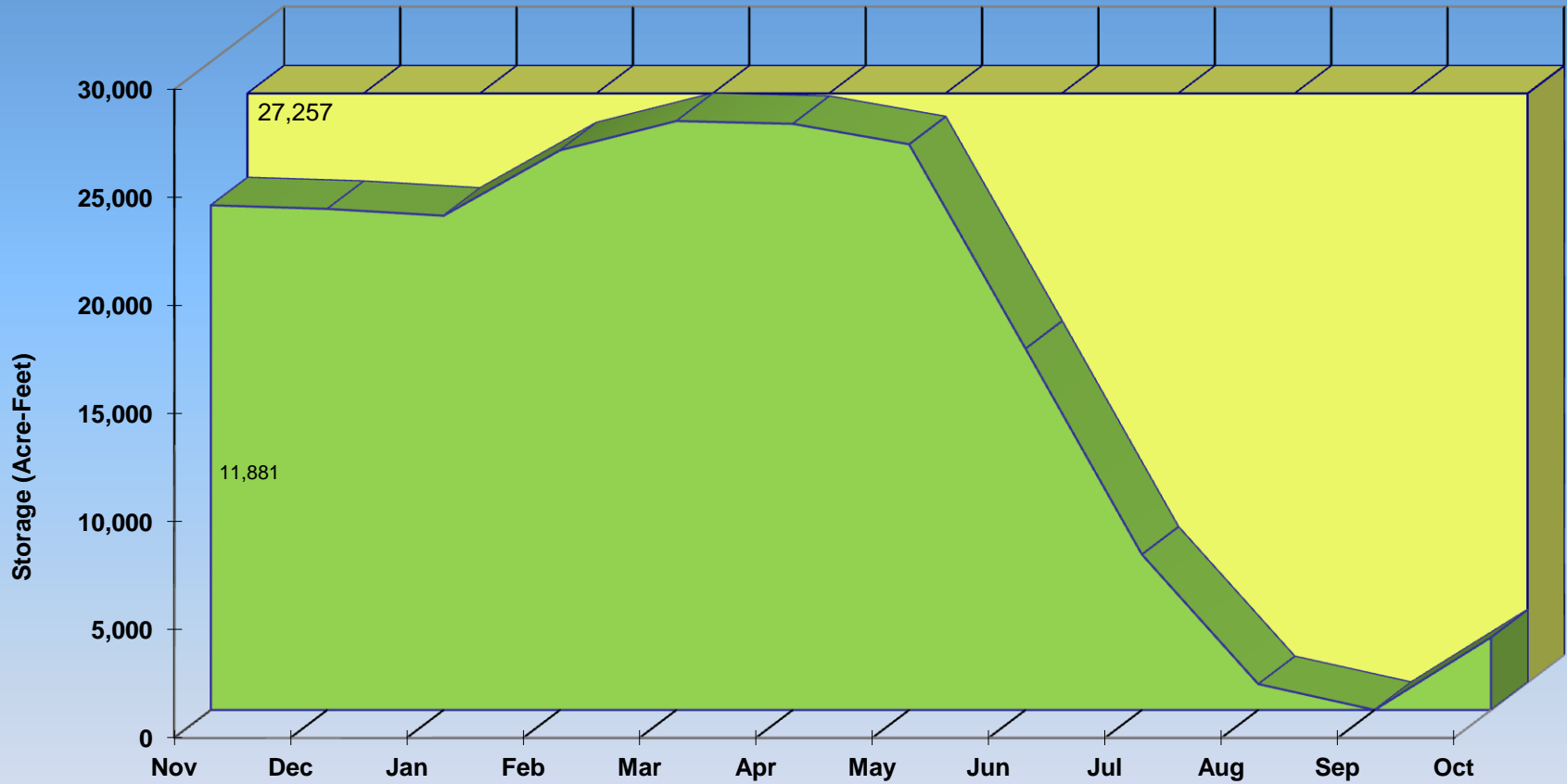
■ 2012-13 Monthly Storage ■ 2011-12 Monthly Storage ■ Total Storage

Prewitt Reservoir (District 64- Agricultural)



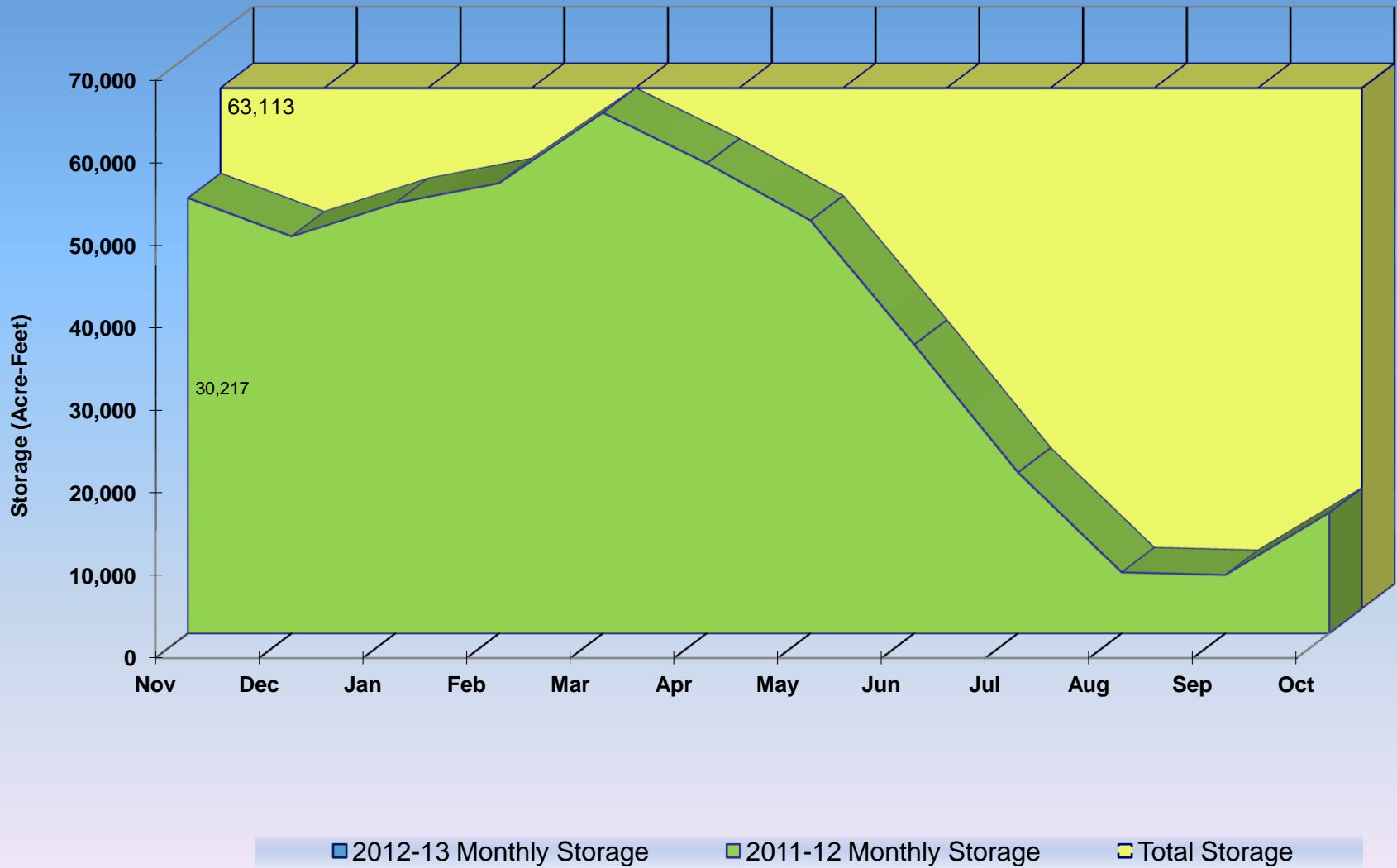
■ 2012-13 Monthly Storage ■ 2011-12 Monthly Storage ■ Total Storage

Jackson Reservoir (District 1- Agricultural)



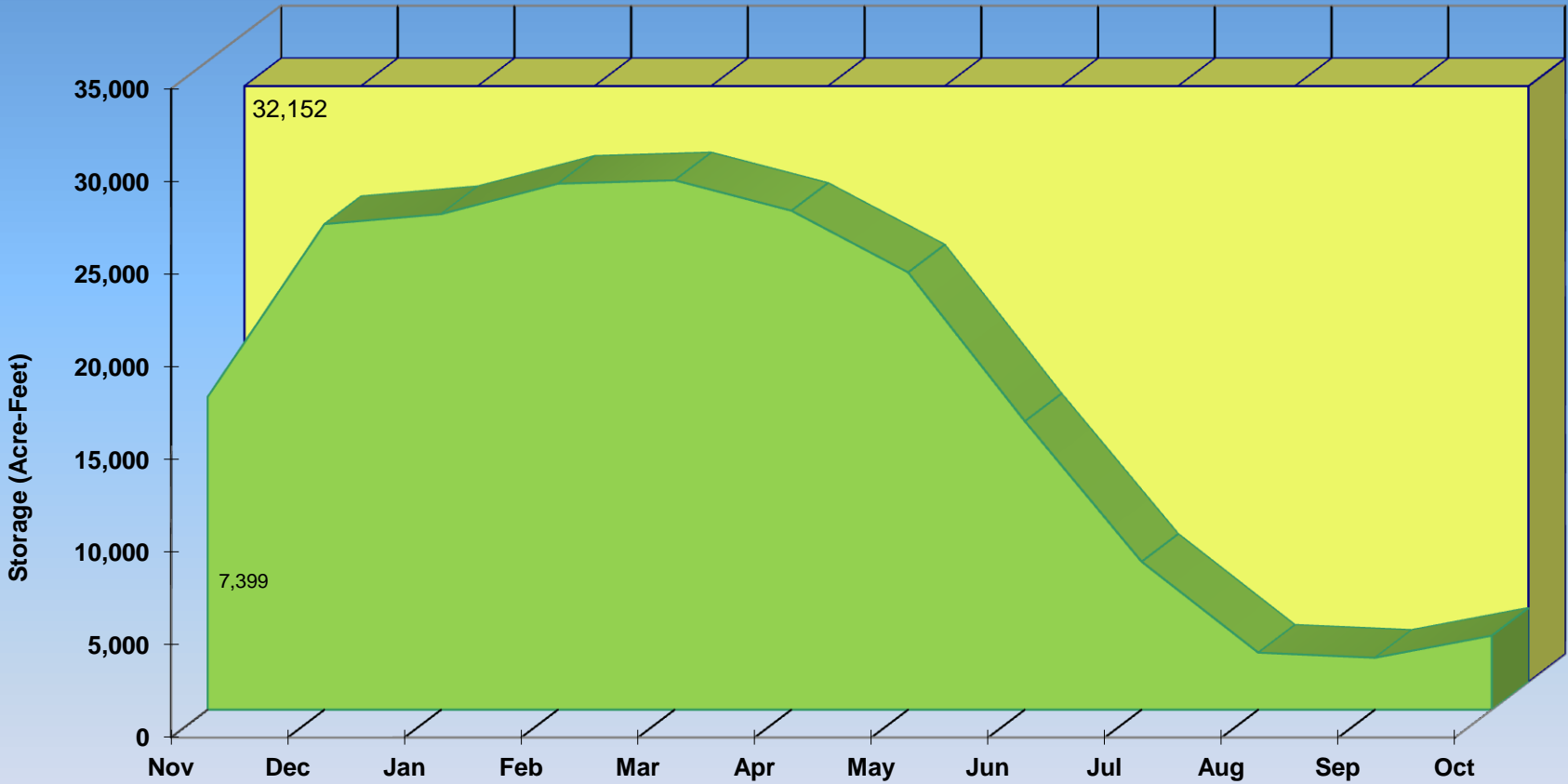
■ 2012-13 Monthly Storage
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 ■ Total Storage

Riverside Reservoir (District 1 - Agricultural)



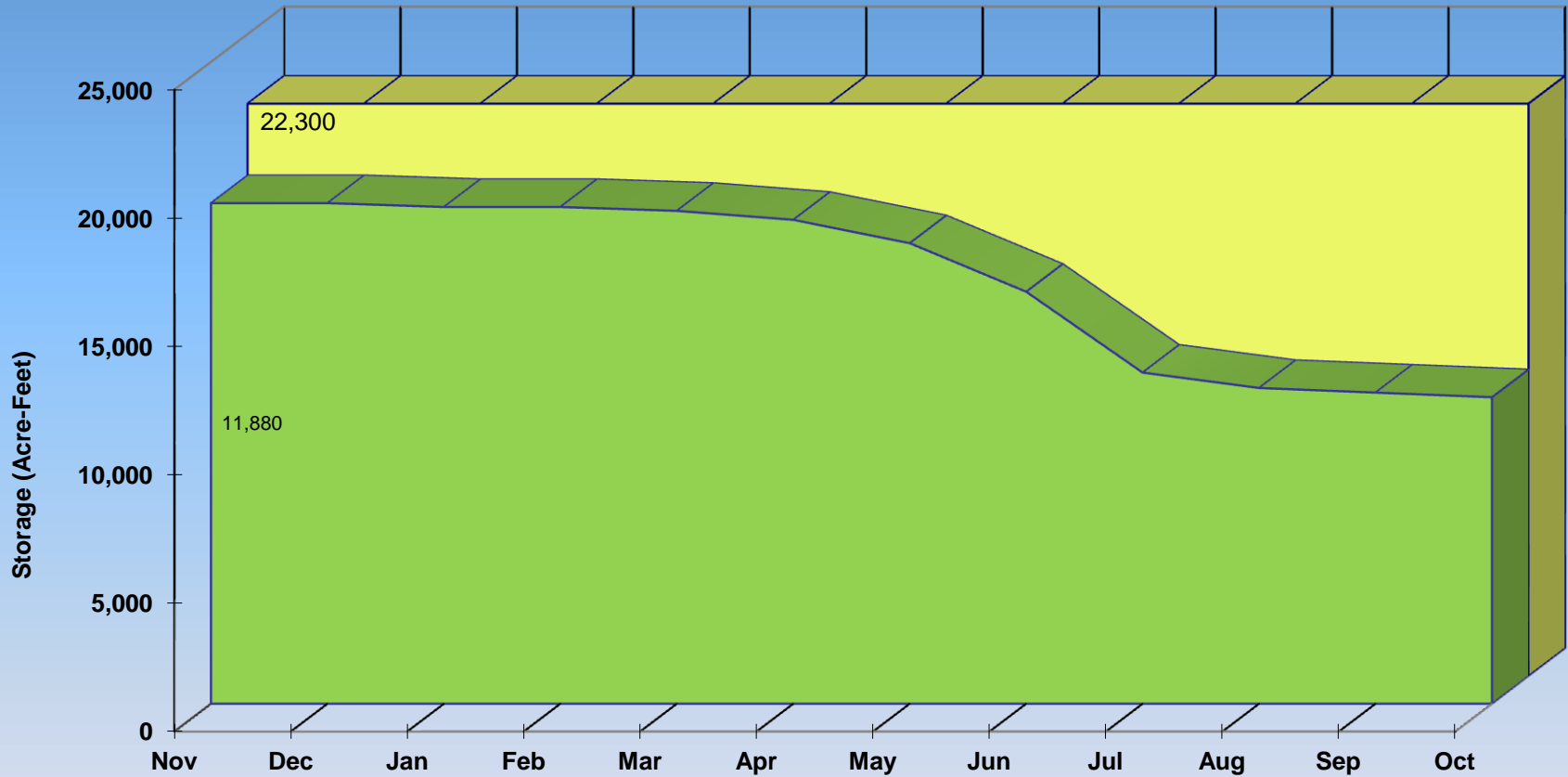
Barr Lake

(District 2 - Agricultural)



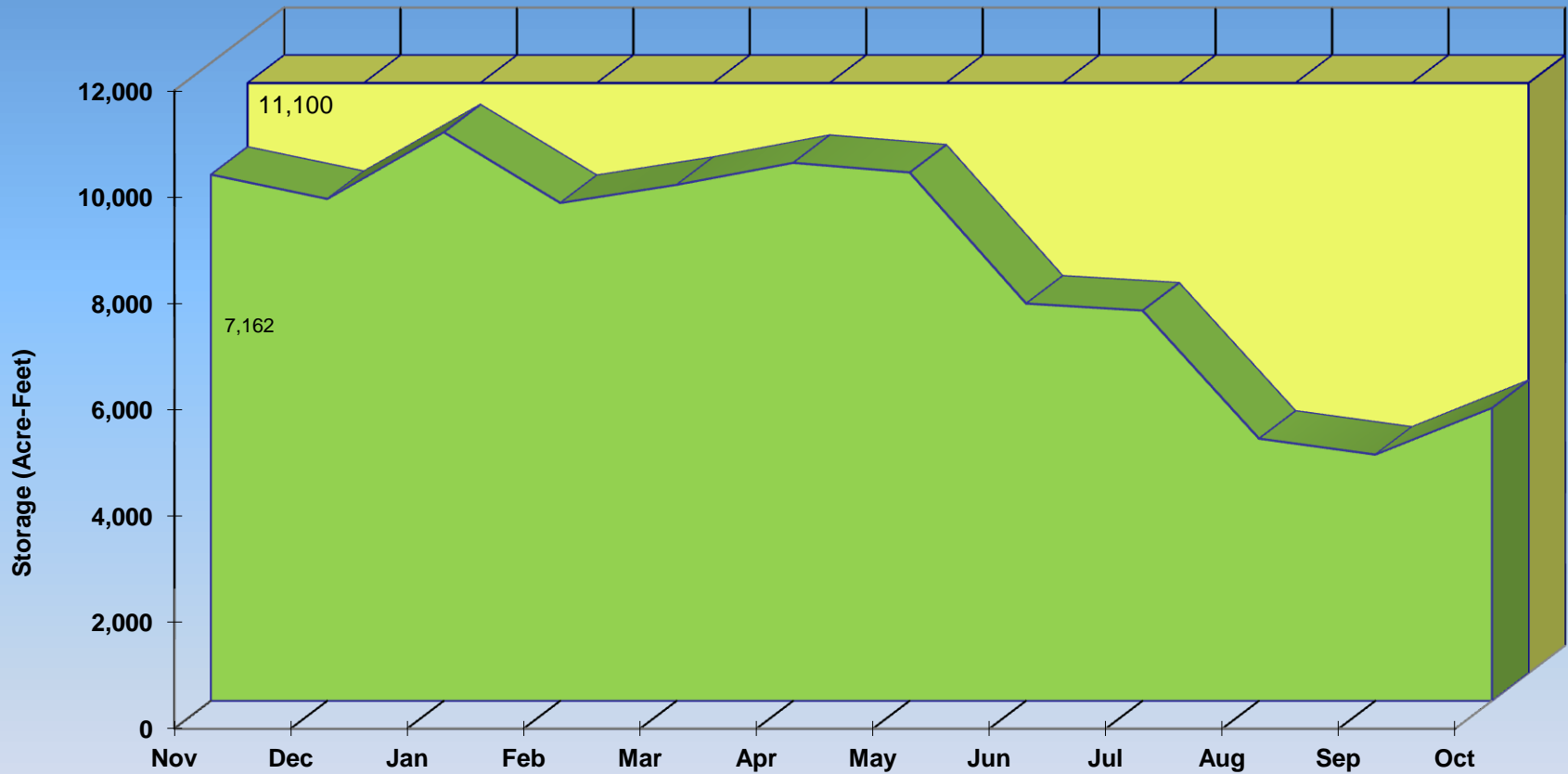
■ 2012-13 Monthly Storage ■ 2011-12 Monthly Storage ■ Total Storage

Cobb Lake (District 3, Poudre River - Agricultural)



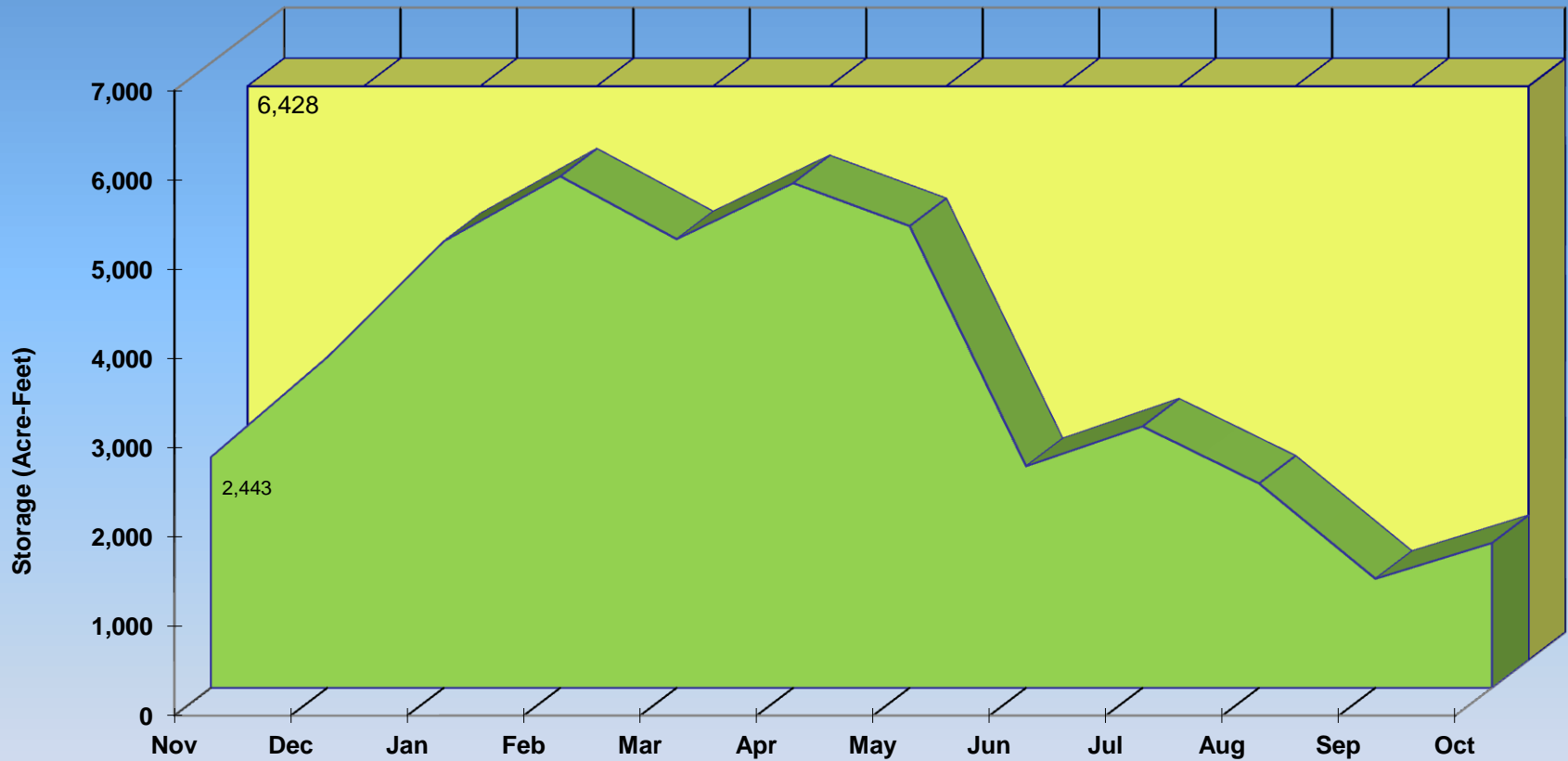
■ 2012-13 Monthly Storage ■ 2011-12 Monthly Storage ■ Total Storage

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



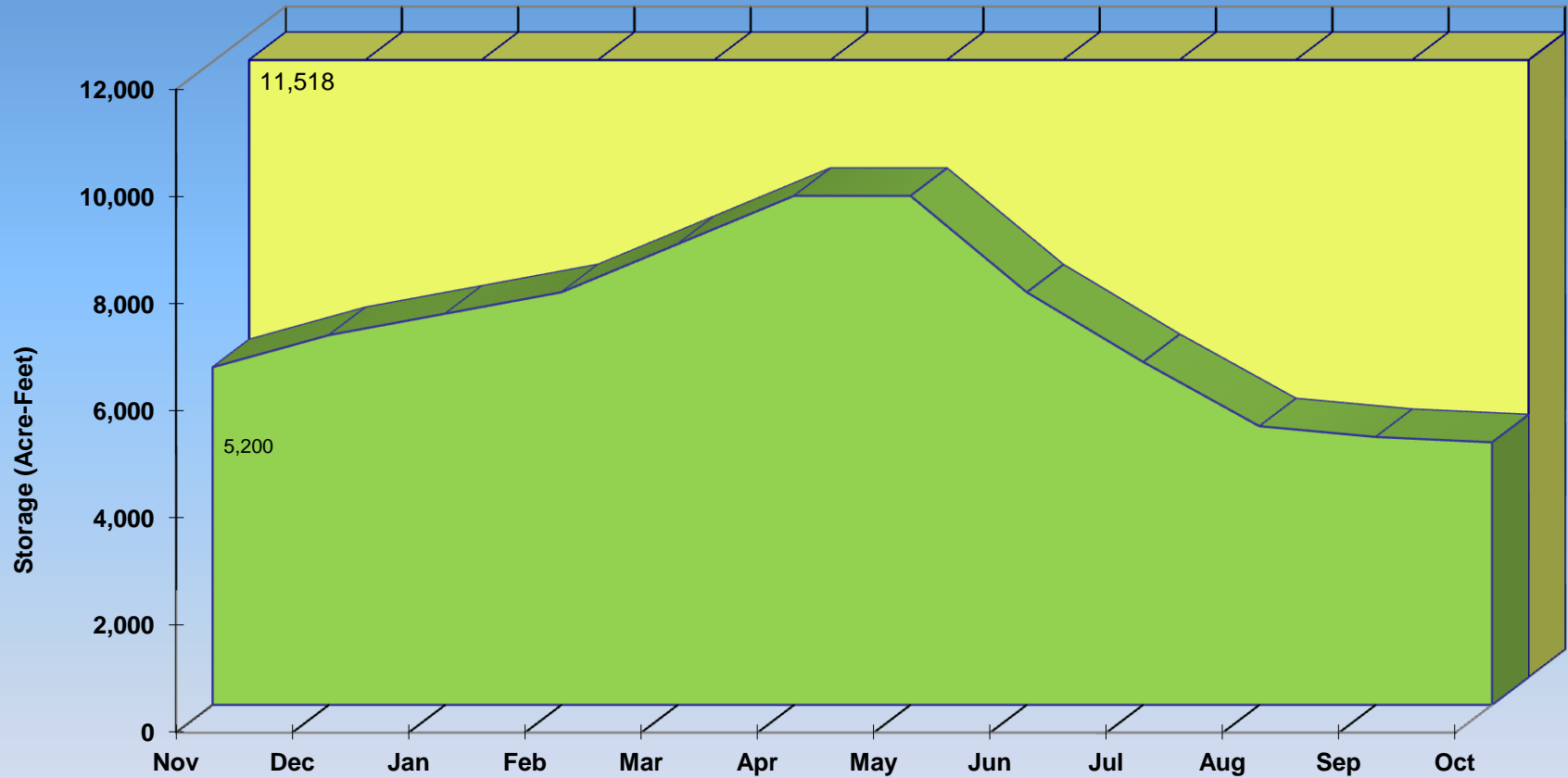
■ 2012-13 Monthly Storage ■ 2011-12 Monthly Storage ■ Total Storage

Halligan Reservoir (District 3, Poudre River - Agricultural)



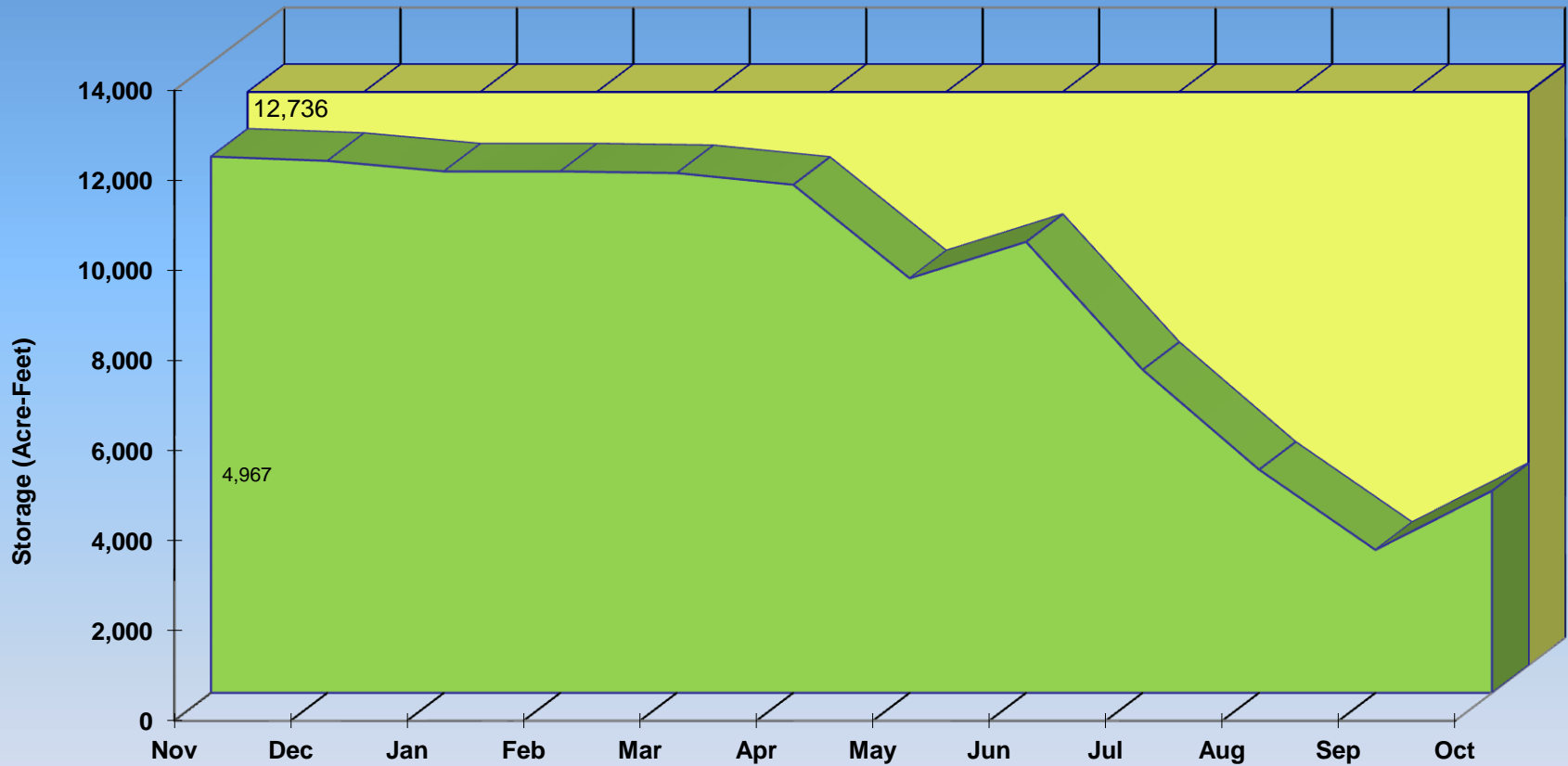
■ 2012-13 Monthly Storage
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 ■ Total Storage

Marshall Lake (District 6, Boulder Creek - Agricultural)



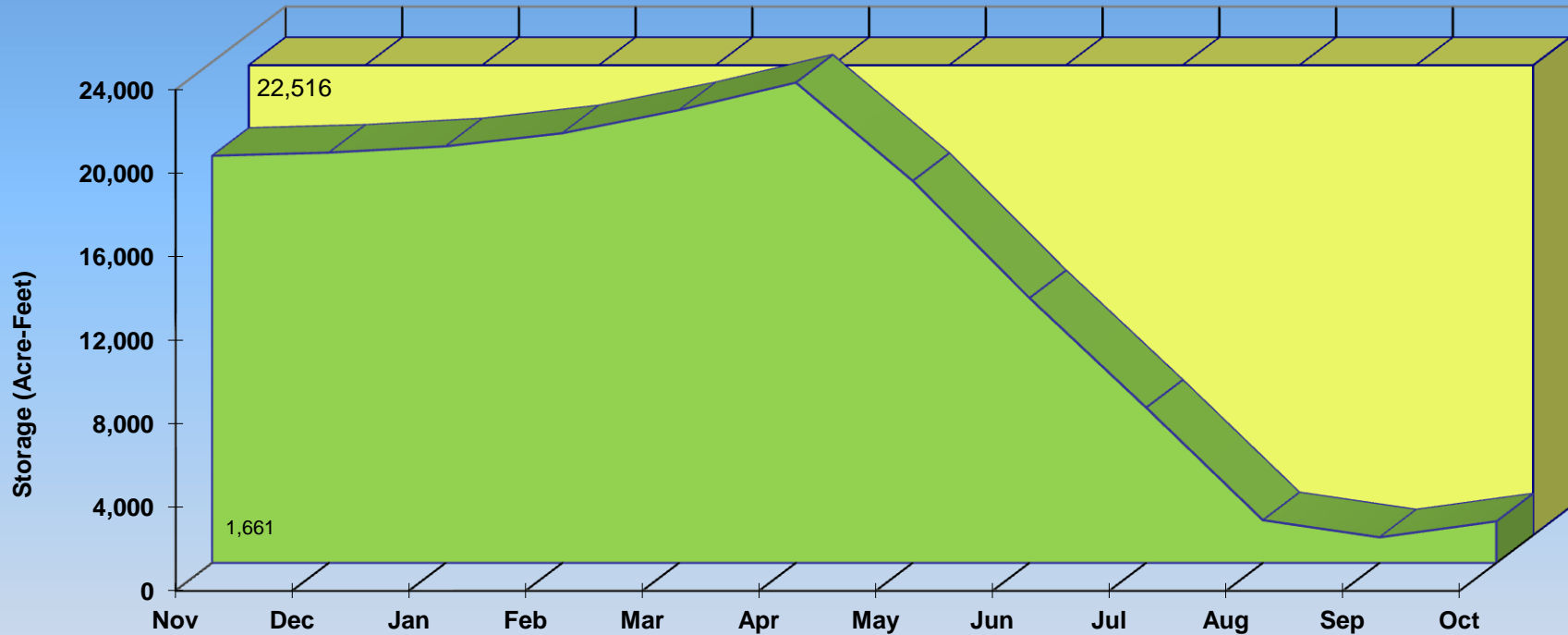
■ 2012-13 Monthly Storage ■ 2011-12 Monthly Storage ■ Total Storage

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



■ 2012-13 Monthly Storage
 ■ 2011-12 Monthly Storage
 ■ Total Storage

Milton Reservoir (District 2 - Agricultural)

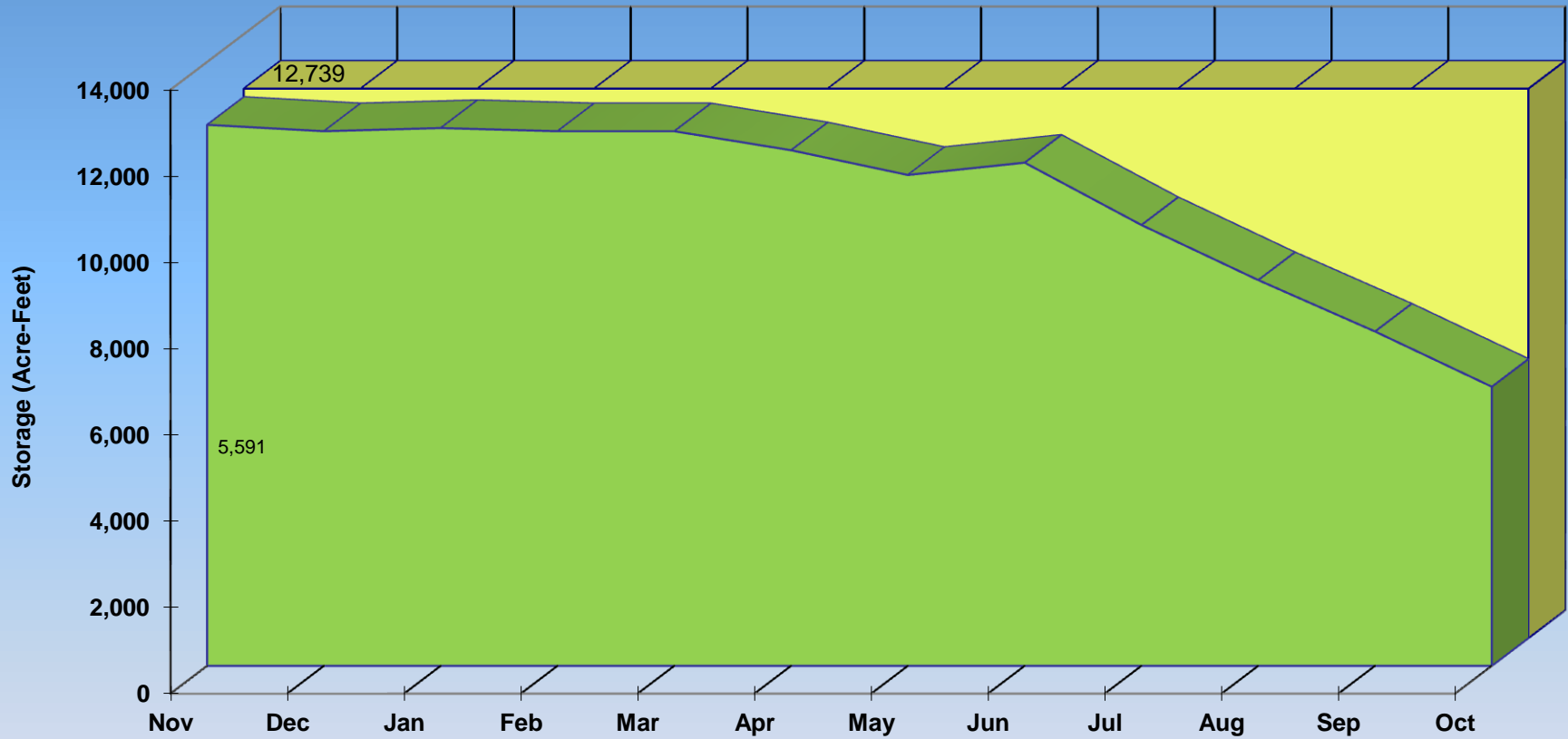


■ 2012-13 Monthly Storage

■ 2011-12 Monthly Storage

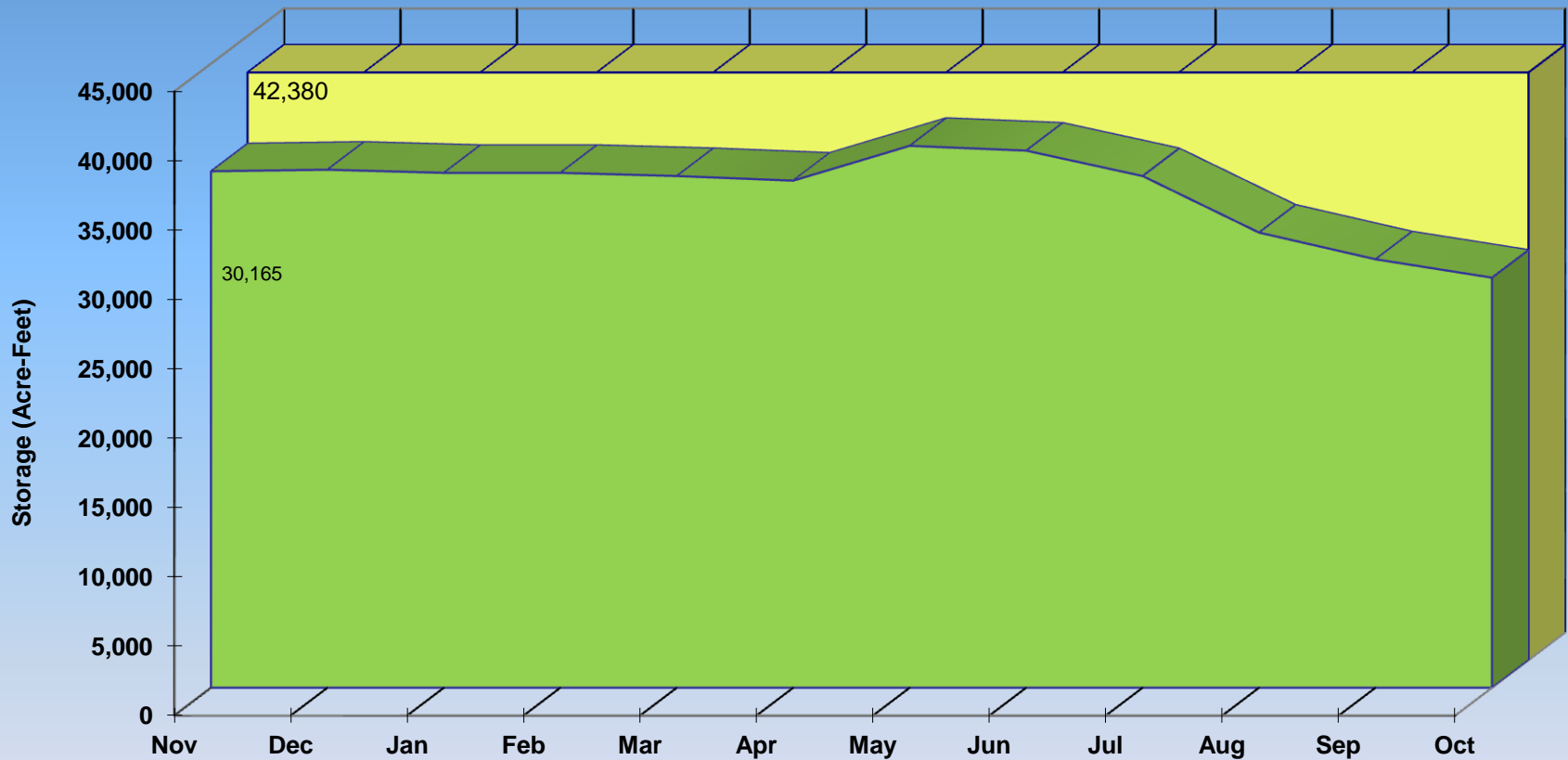
■ Total Storage

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



■ 2012-13 Monthly Storage
 ■ 2011-12 Monthly Storage
 ■ Total Storage

Standley Lake (Agricultural)

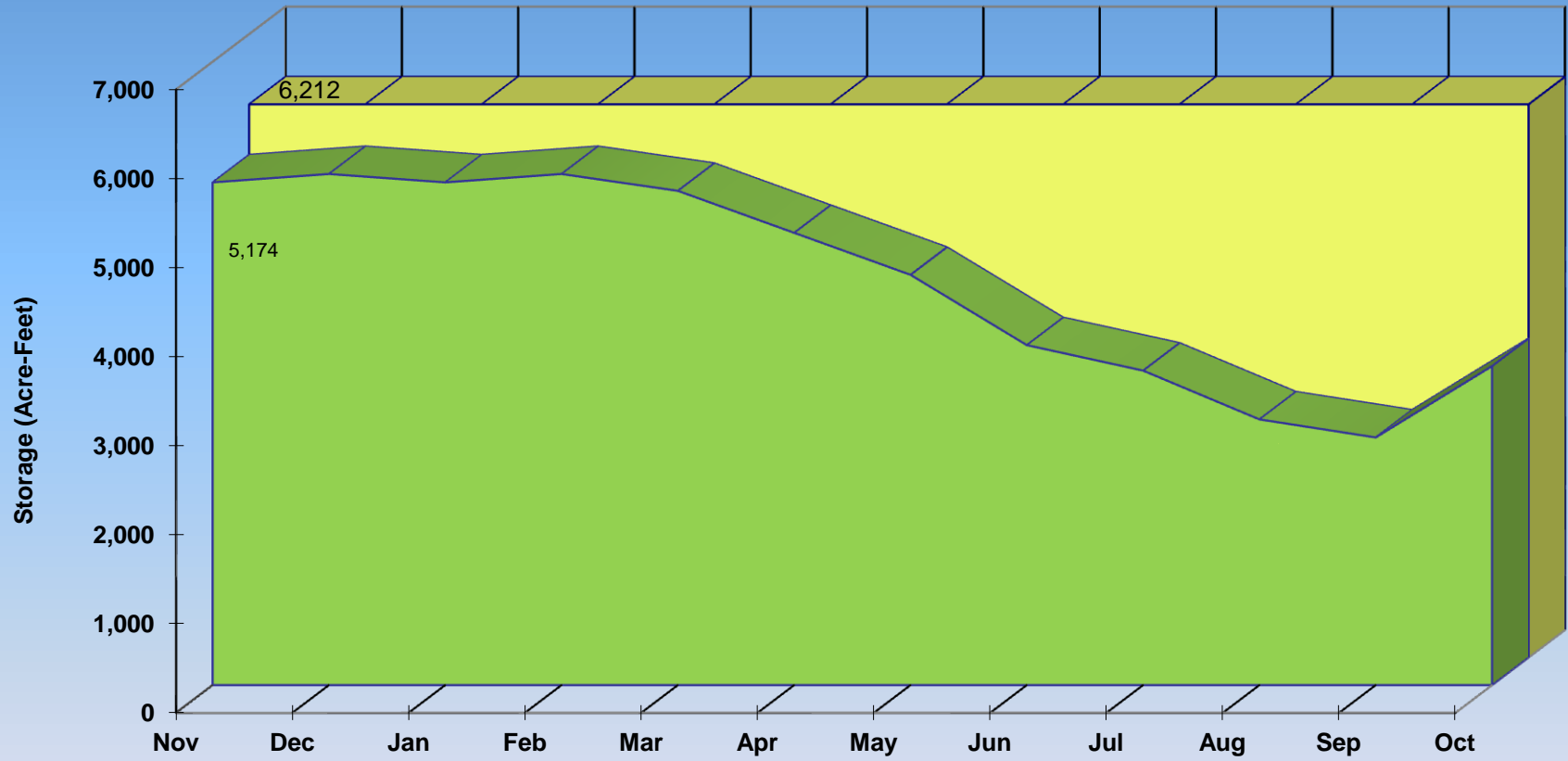


2012-13 Monthly Storage

2011-12 Monthly Storage

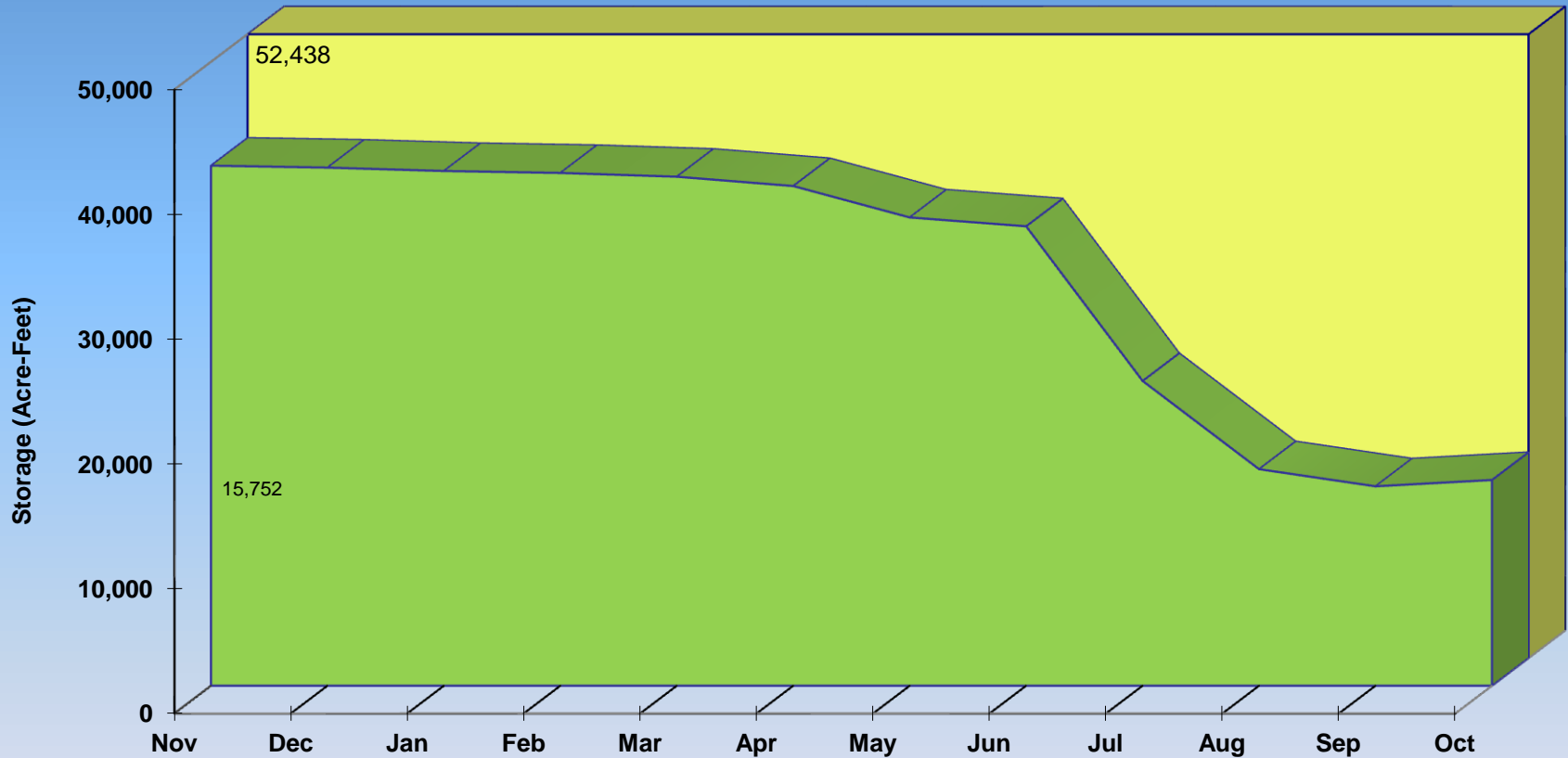
Total Storage

Lower Latham Reservoir (District 2 - Agricultural)



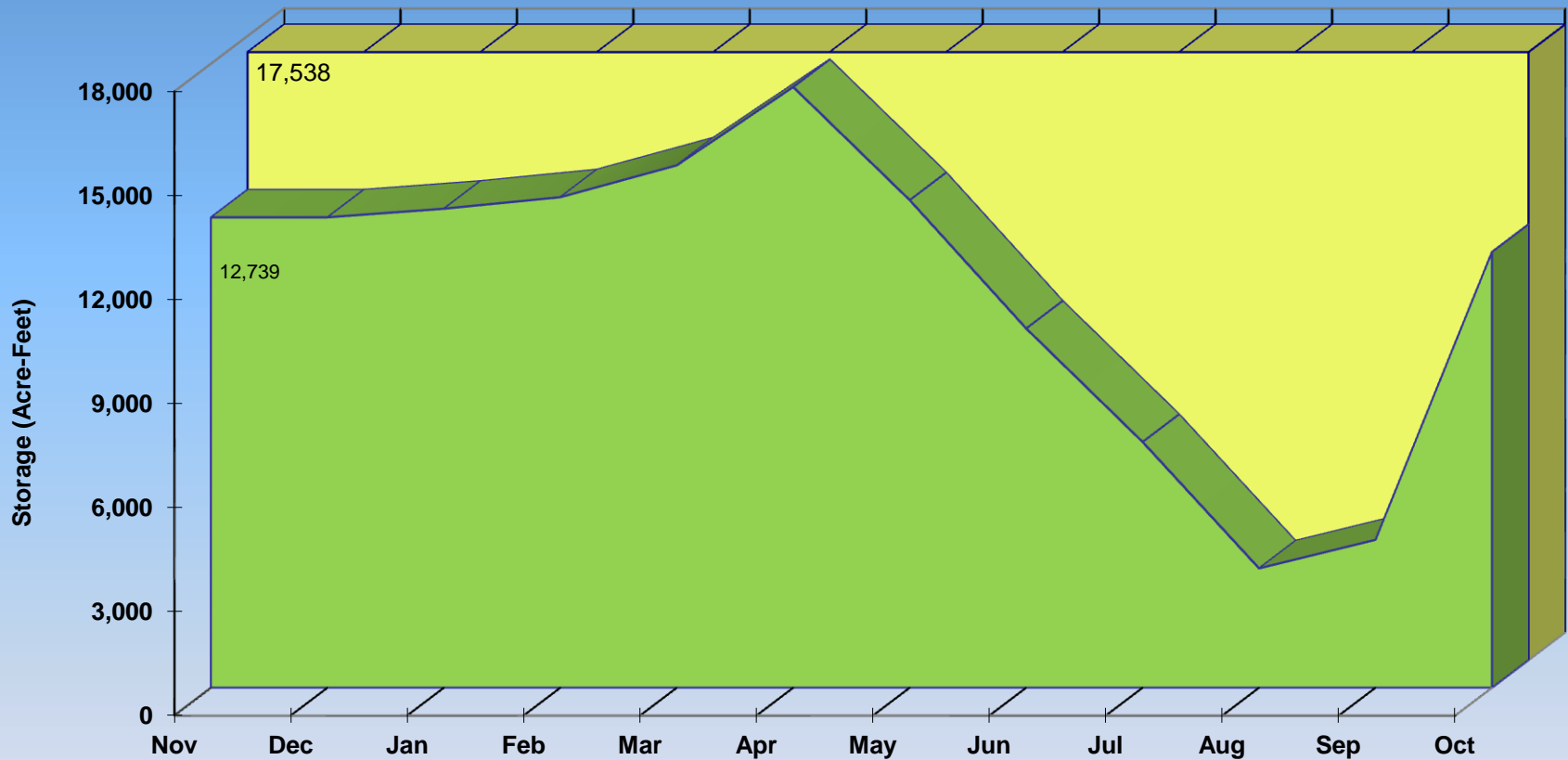
■ 2012-13 Monthly Storage
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Boyd Lake (District 4, Big Thompson River - Agricultural)



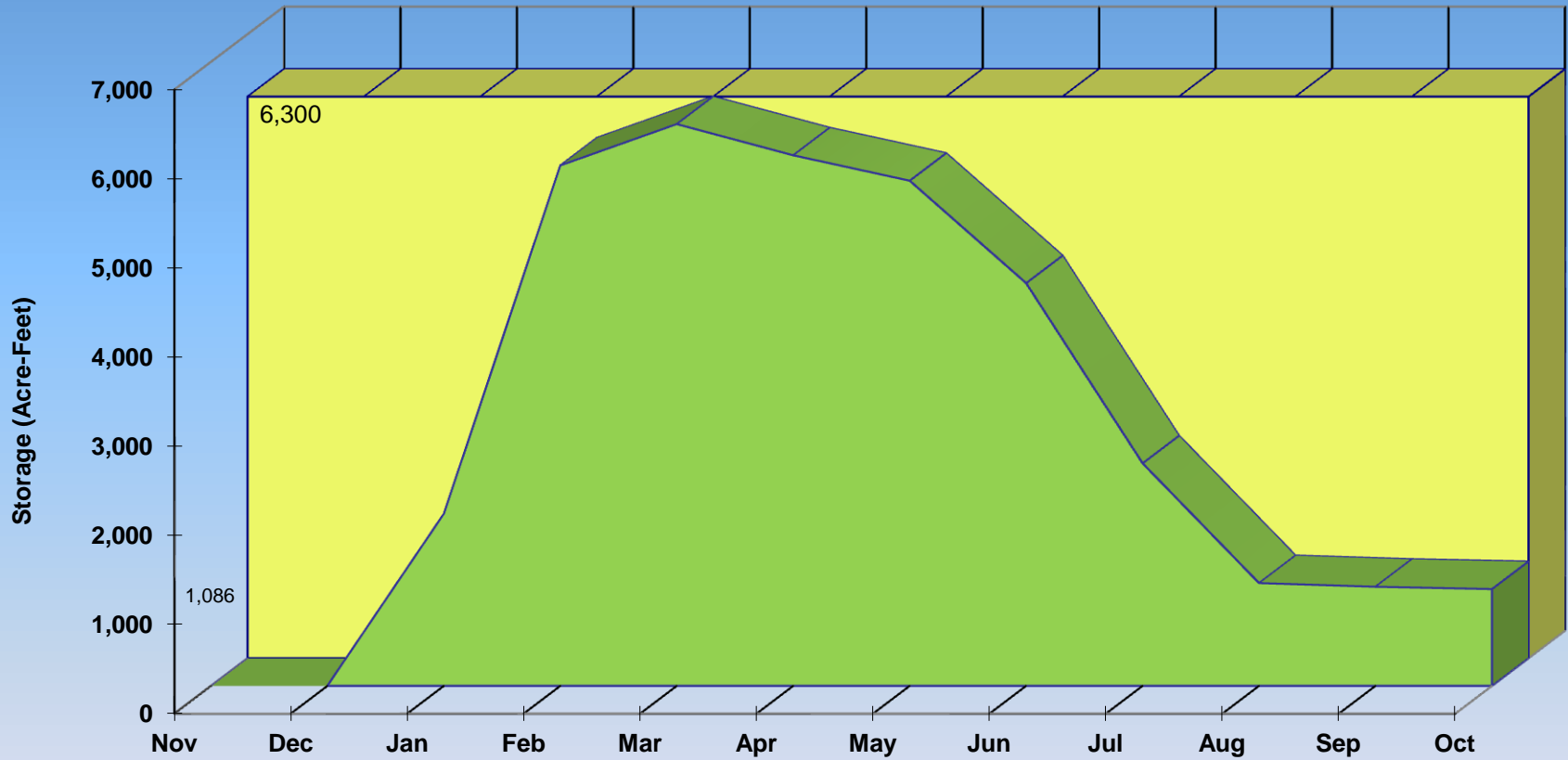
■ 2012-13 Monthly Storage ■ 2011-12 Monthly Storage ■ Total Storage

Windsor Reservoir (District 3, Poudre River - Agricultural)



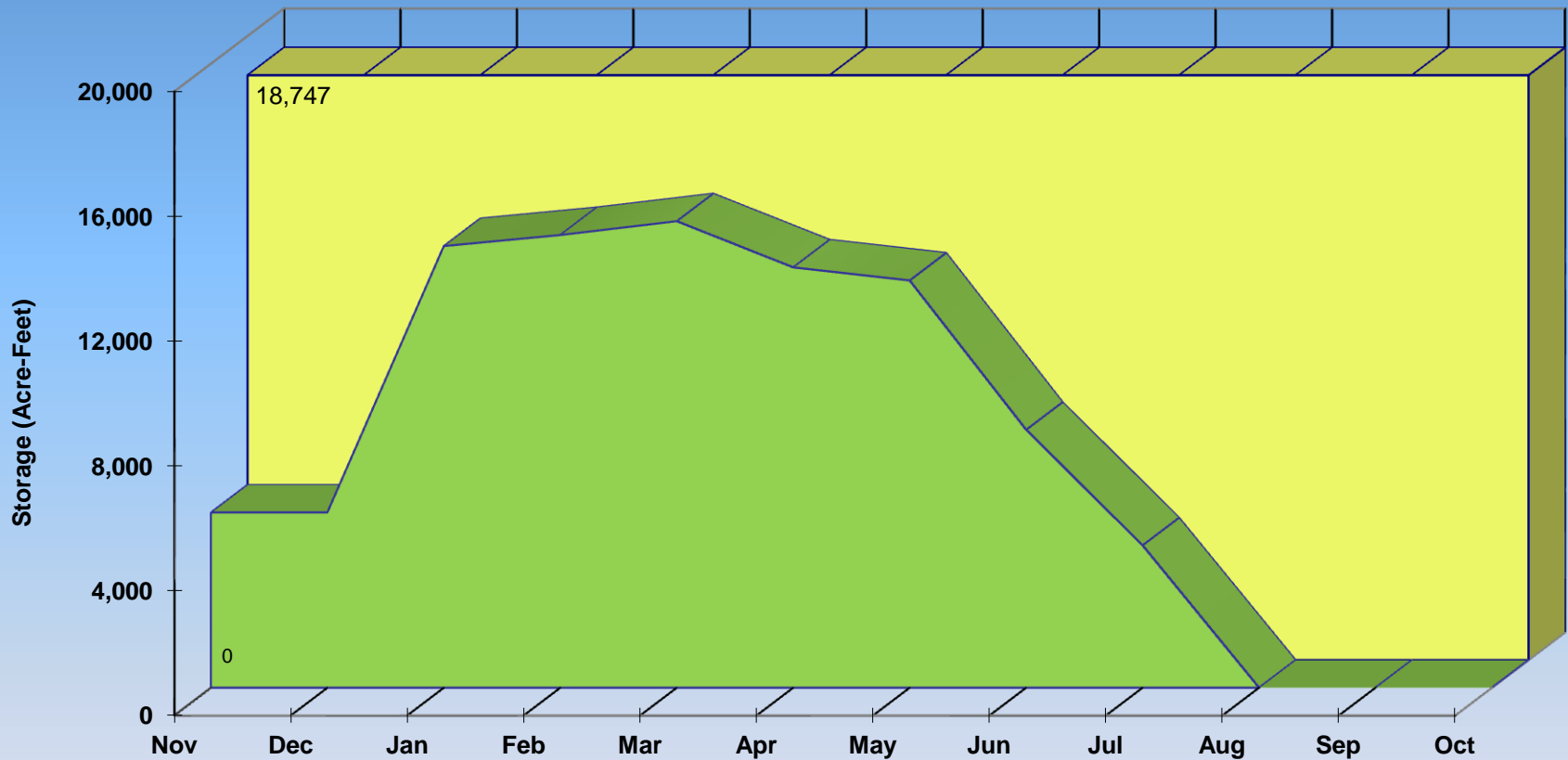
■ 2012-13 Monthly Storage ■ 2011-12 Monthly Storage ■ Total Storage

Prospect Reservoir (District 1- Agricultural)



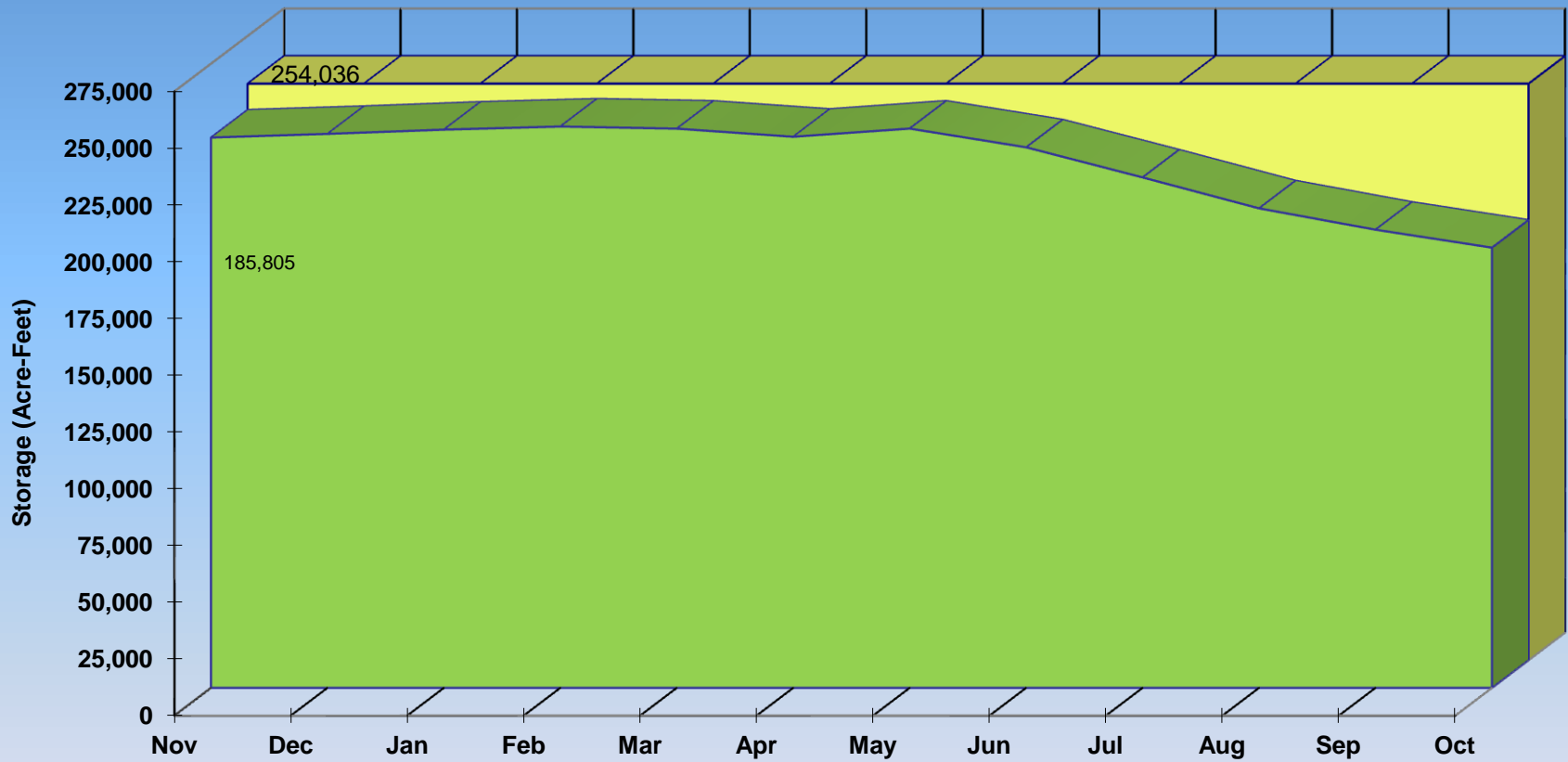
■ 2012-13 Monthly Storage
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 ■ Total Storage

Horse Creek Reservoir (District 1 - Agricultural)



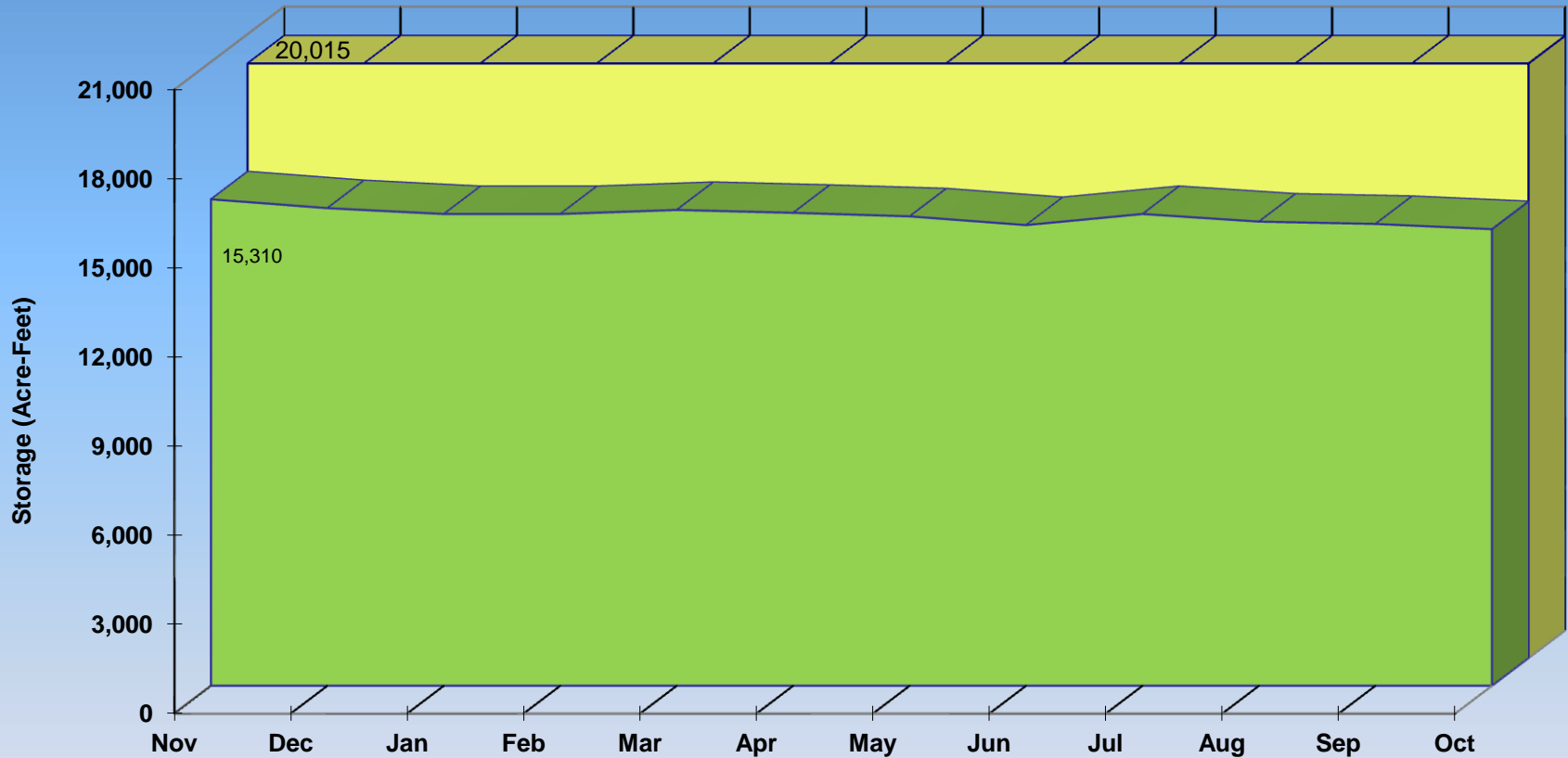
■ 2012-13 Monthly Storage ■ 2011-12 Monthly Storage ■ Total Storage

Dillon Reservoir (Municipal)



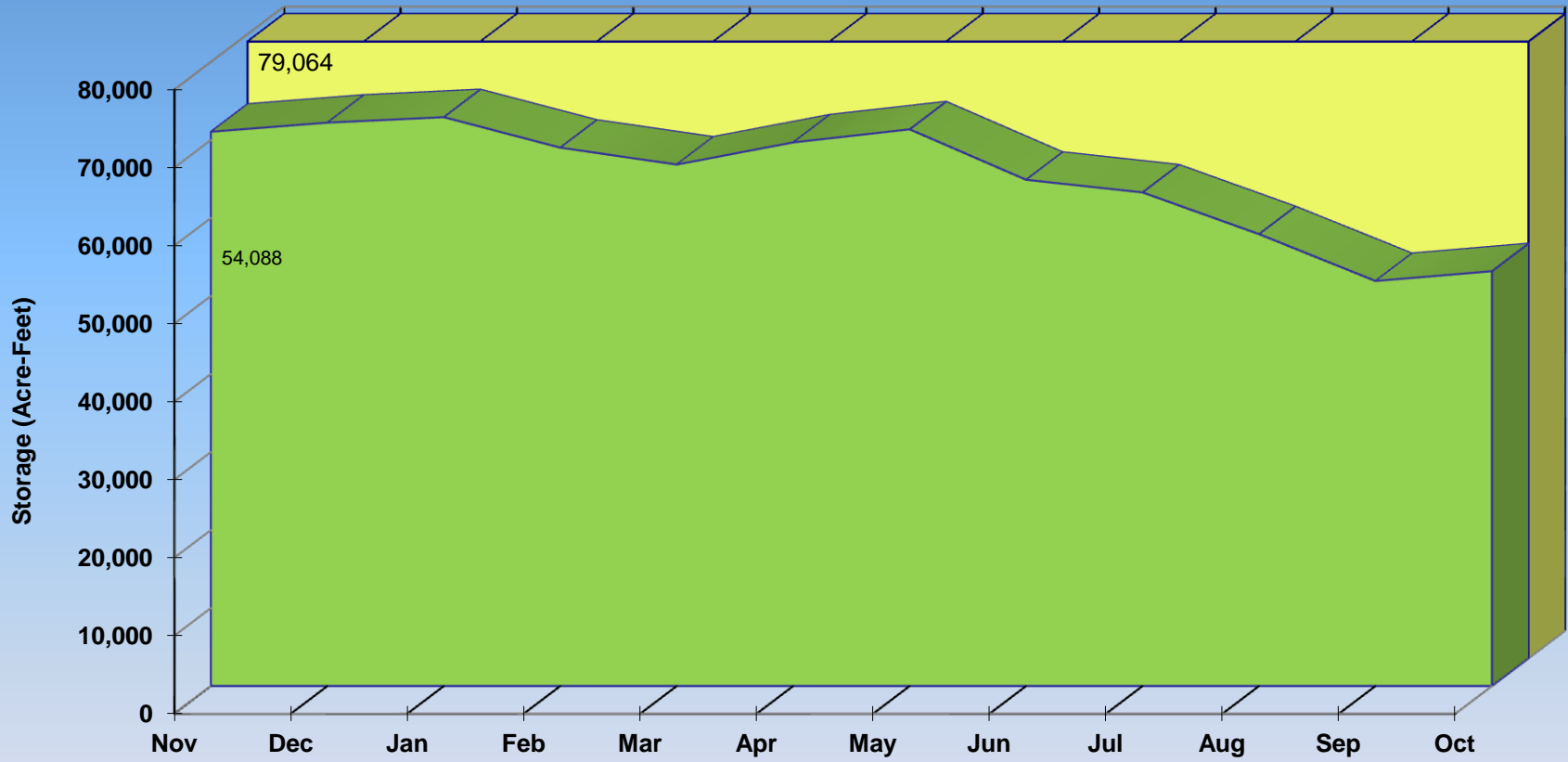
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Antero Reservoir (District 23 - Municipal)



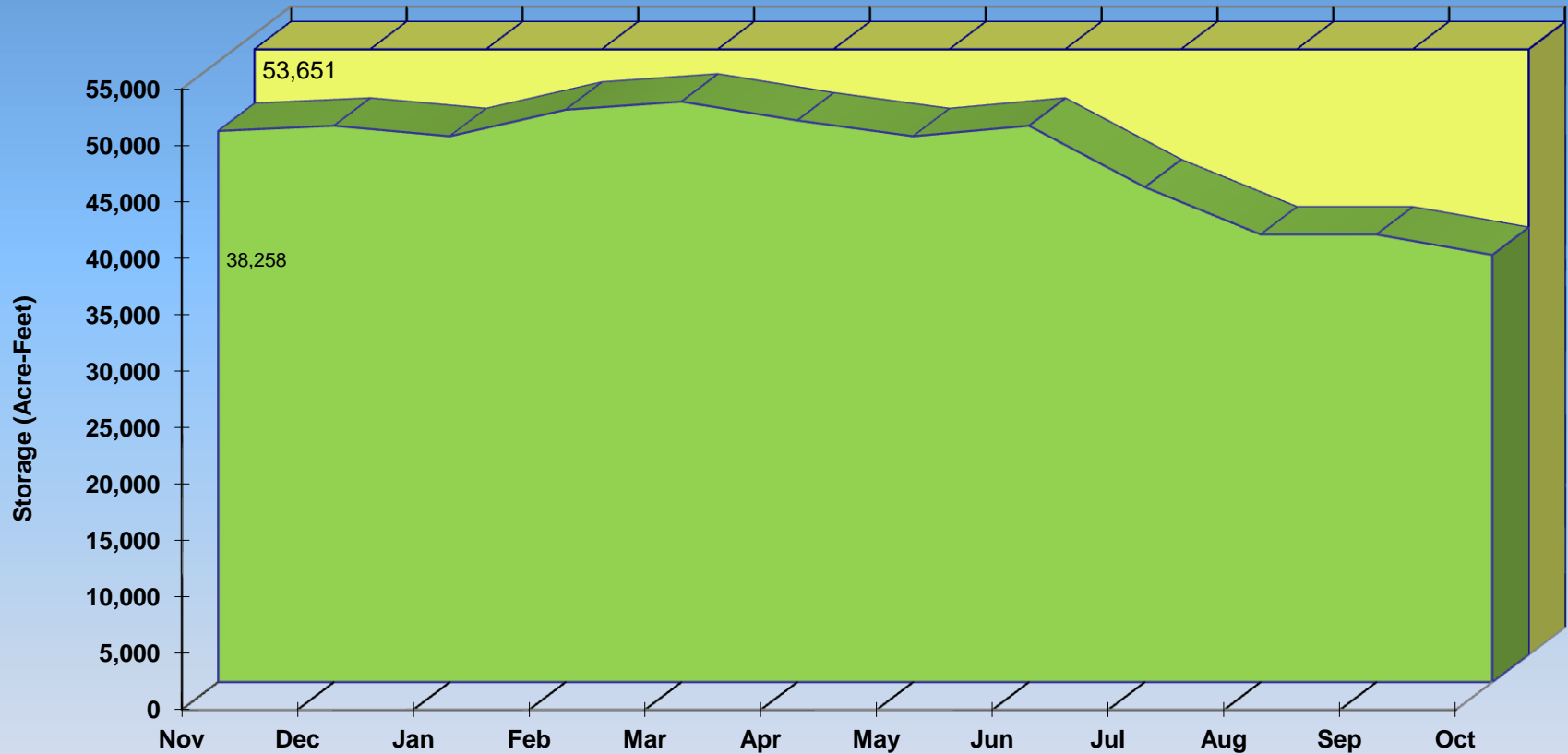
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Cheesman Reservoir (District 80 - Municipal)



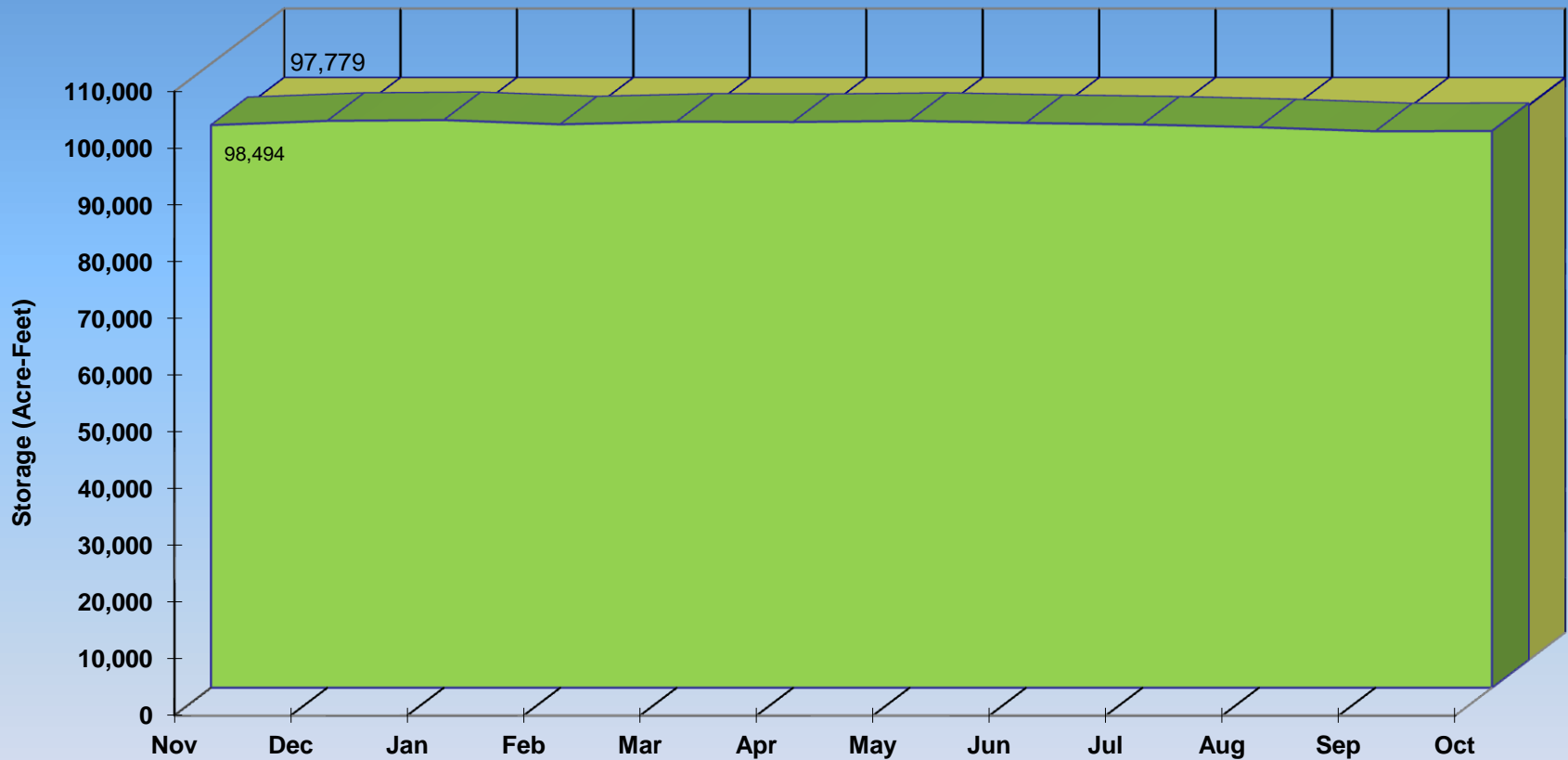
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Spinney Mountain Reservoir (District 23 - Municipal)



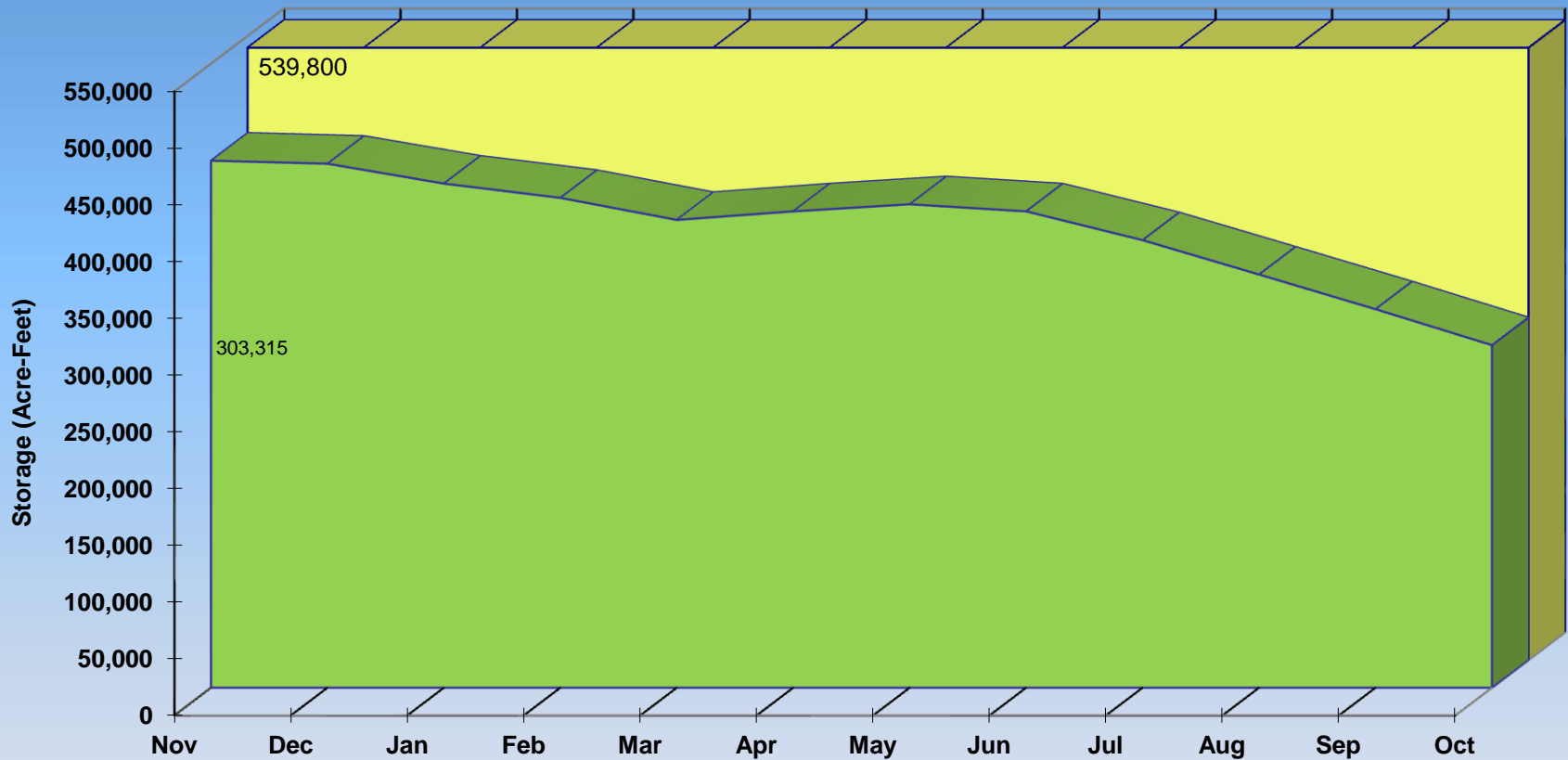
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Eleven Mile Reservoir (District 23 - Municipal)



■ 2012-13 Monthly Storage ■ 2011-12 Monthly Storage ■ Total Storage

Lake Granby



■ 2012-13 Monthly Storage ■ 2011-12 Monthly Storage ■ Total Storage

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

