

South Platte Summary

December 2011



Compiled by Lee Cunning, P.E.

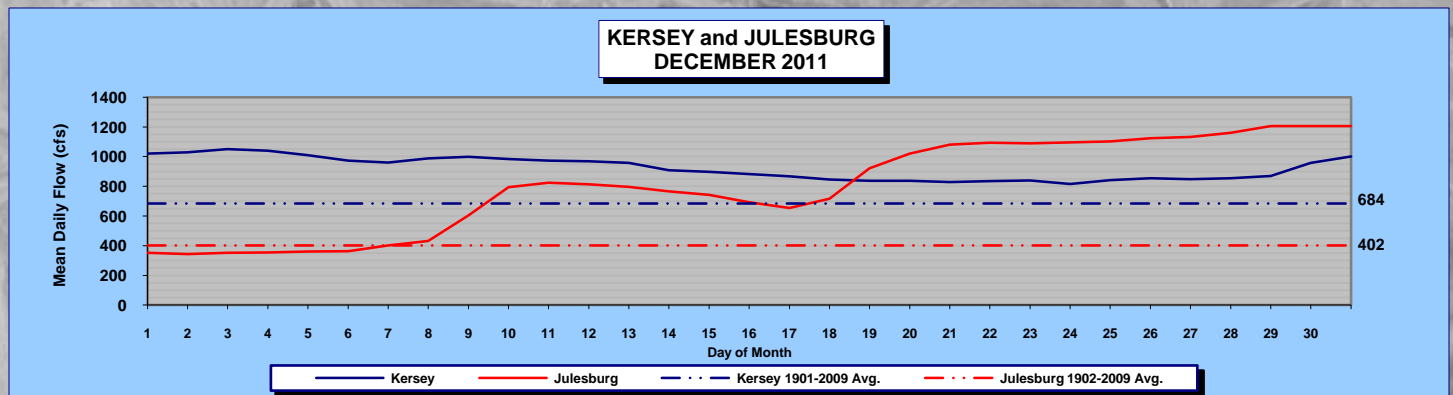
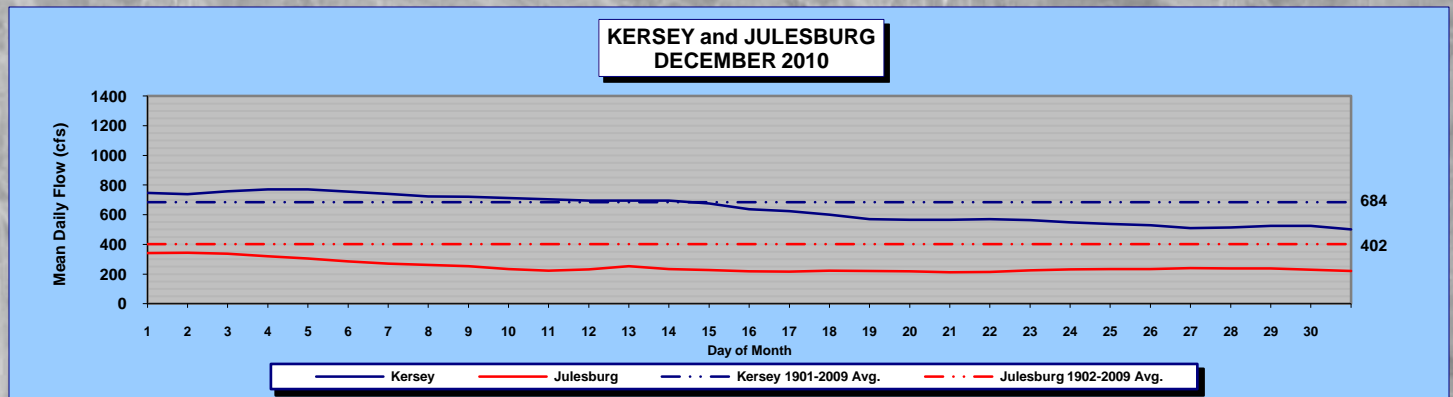


COLORADO DIVISION OF WATER RESOURCES, DIVISION 1

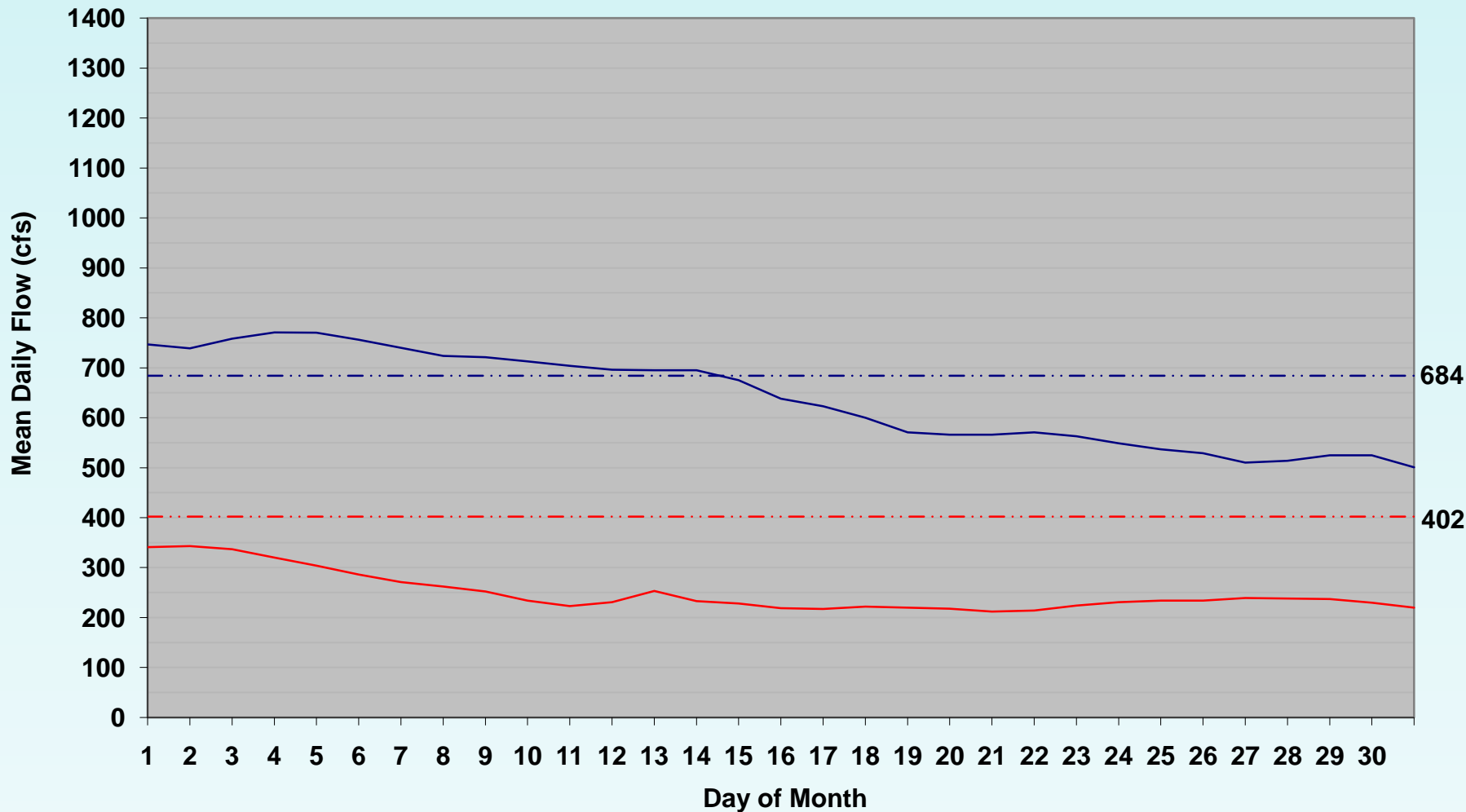
MONTH OF DECEMBER 2011

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	19,378	19,725	64	347	2%	87%	83%	0
N STERLING	73,730	63,349	69,757	64	6,408	10%	95%	75%	0
PREWITT	28,500	18,159	25,420	64	7,261	40%	89%	66%	0
JACKSON	27,257	23,359	23,191	1	-168	-1%	85%	93%	0
EMPIRE	37,700	23,701	30,500	1	6,799	29%	81%	81%	0
RIVERSIDE	63,113	52,776	48,123	1	-4,653	-9%	76%	83%	0
BARR LAKE	32,152	16,881	26,205	2	9,324	55%	82%	43%	0
CHEESMAN	79,064	71,048	72,212	80	1,164	2%	91%	97%	0
ELEVEN MILE	97,779	99,177	99,933	23	756	1%	100%	100%	2,154
SPINNEY	53,651	48,844	49,311	23	467	1%	92%	81%	0
ANTERO	20,015	16,374	16,076	23	-298	-2%	80%	100%	0

RIVER GAGES	MEAN DAILY FLOW (CFS)
KERSEY	922
JULESBURG	800
THIS MONTH LAST YEAR	
KERSEY	638
JULESBURG	249
MEAN FOR PERIOD OF RECORD*	
KERSEY	684
JULESBURG	402
* 1901-2010	
1902-2010	

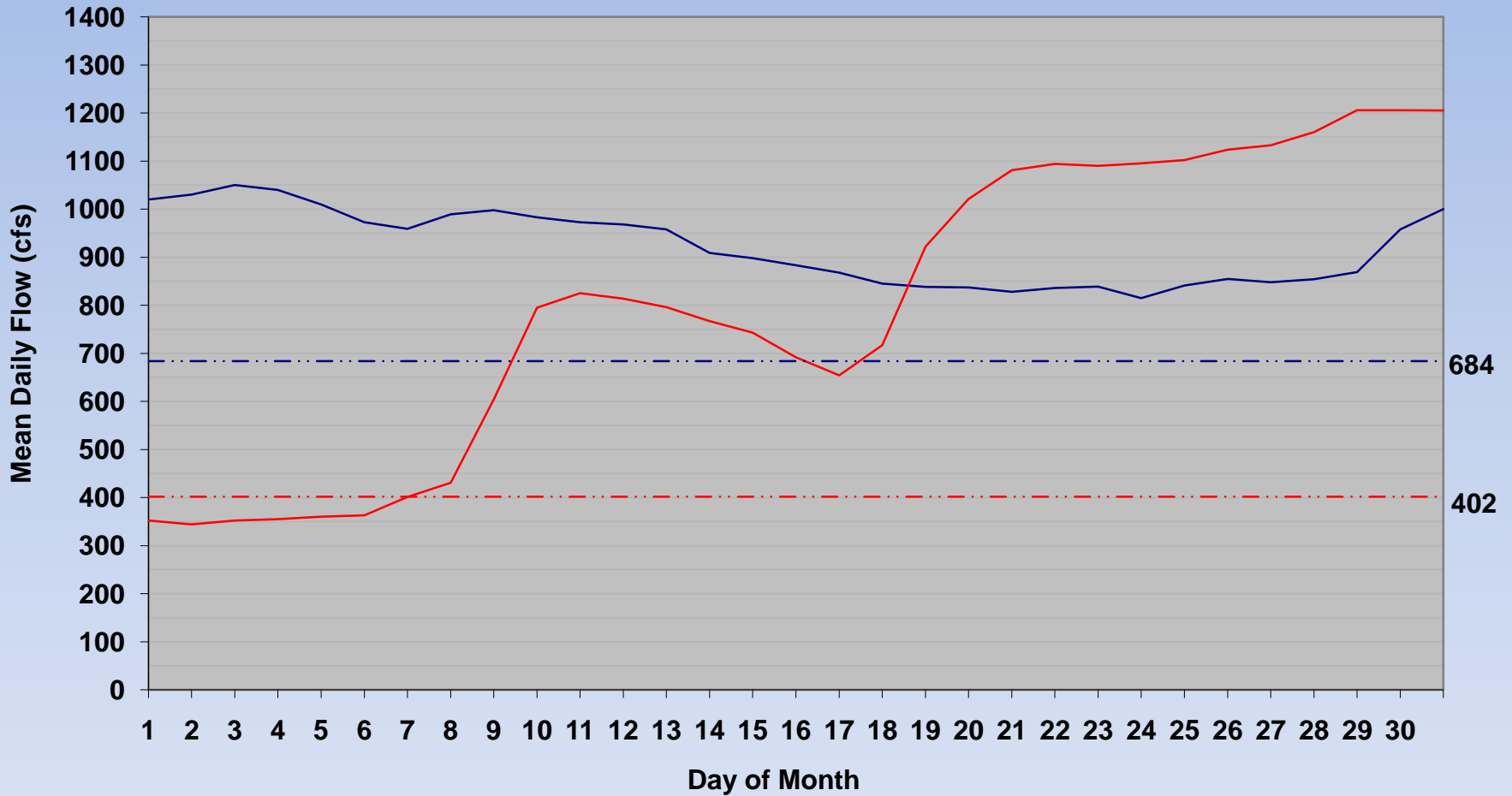


KERSEY and JULESBURG DECEMBER 2010



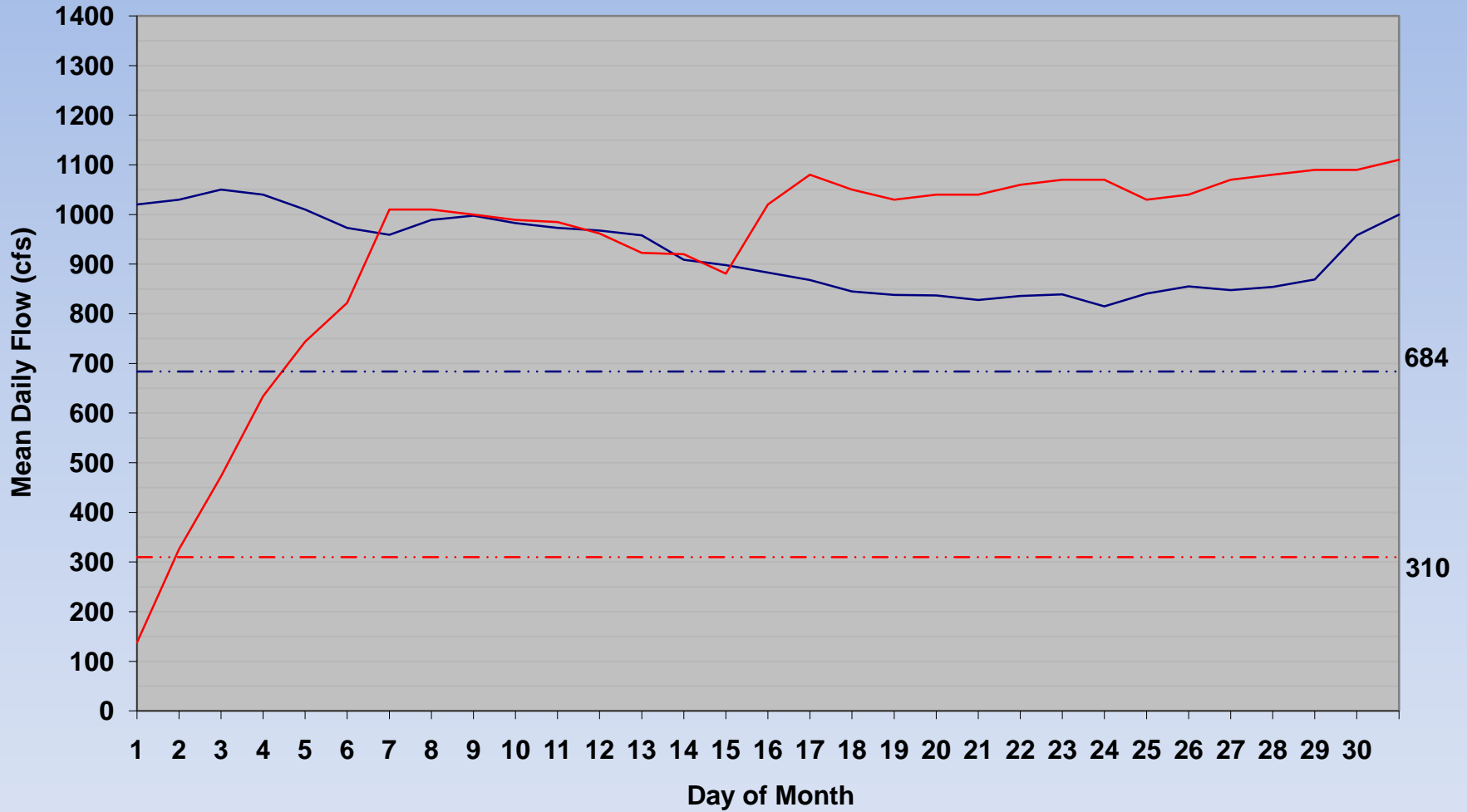
— Kersey — Julesburg - · - Kersey 1901-2009 Avg. - · - Julesburg 1902-2009 Avg.

KERSEY and JULESBURG DECEMBER 2011



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

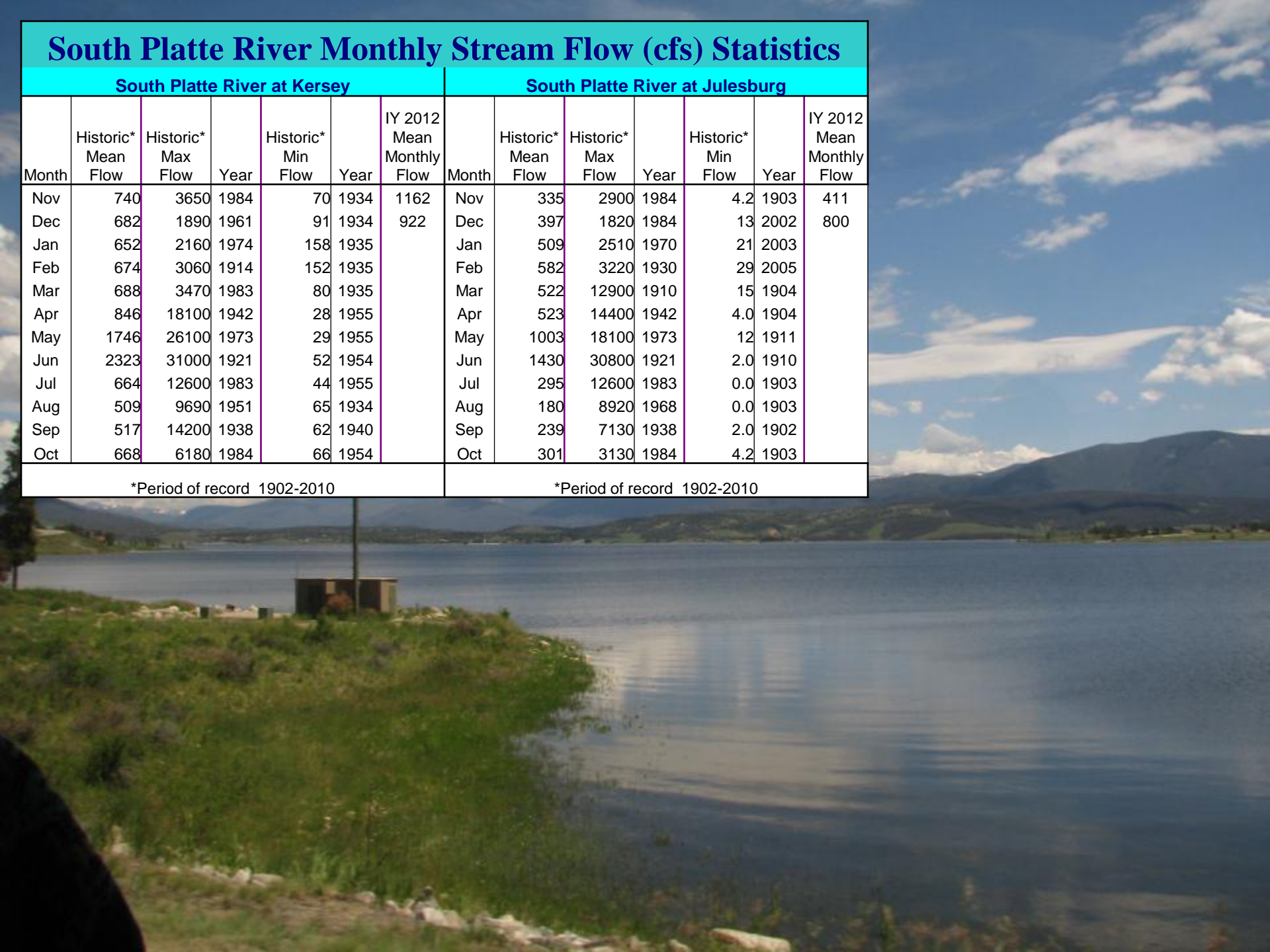
KERSEY and BALZAC DECEMBER 2011



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

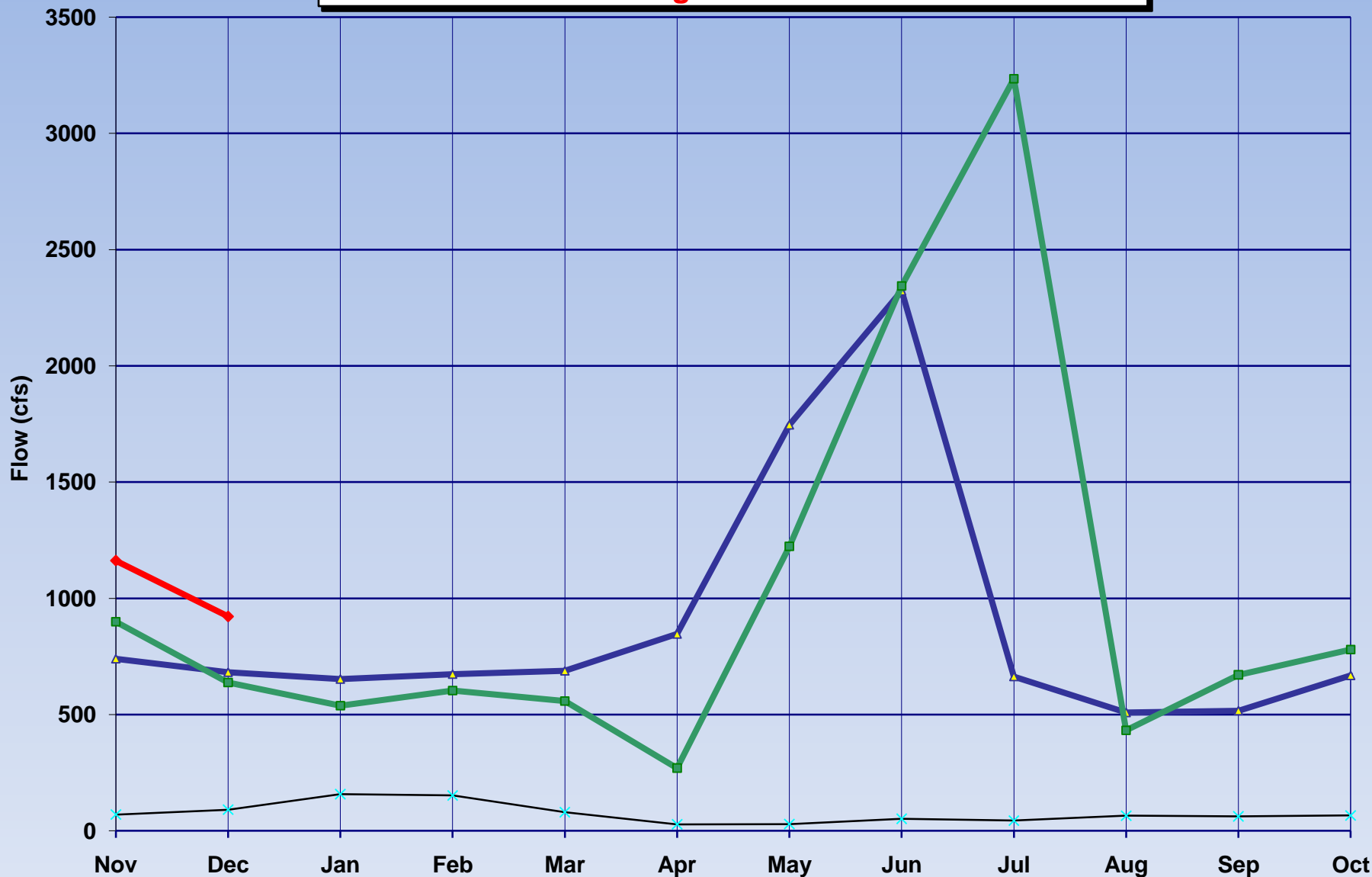
South Platte River Monthly Stream Flow (cfs) Statistics

South Platte River at Kersey							South Platte River at Julesburg						
Month	Historic* Mean Flow	Historic* Max Flow	Year	Historic* Min Flow	Year	IY 2012 Mean Monthly Flow	Month	Historic* Mean Flow	Historic* Max Flow	Year	Historic* Min Flow	Year	IY 2012 Mean Monthly Flow
Nov	740	3650	1984	70	1934	1162	Nov	335	2900	1984	4.2	1903	411
Dec	682	1890	1961	91	1934	922	Dec	397	1820	1984	13	2002	800
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	668	6180	1984	66	1954		Oct	301	3130	1984	4.2	1903	
*Period of record 1902-2010							*Period of record 1902-2010						



South Platte River at Kersey

Irrigation Year

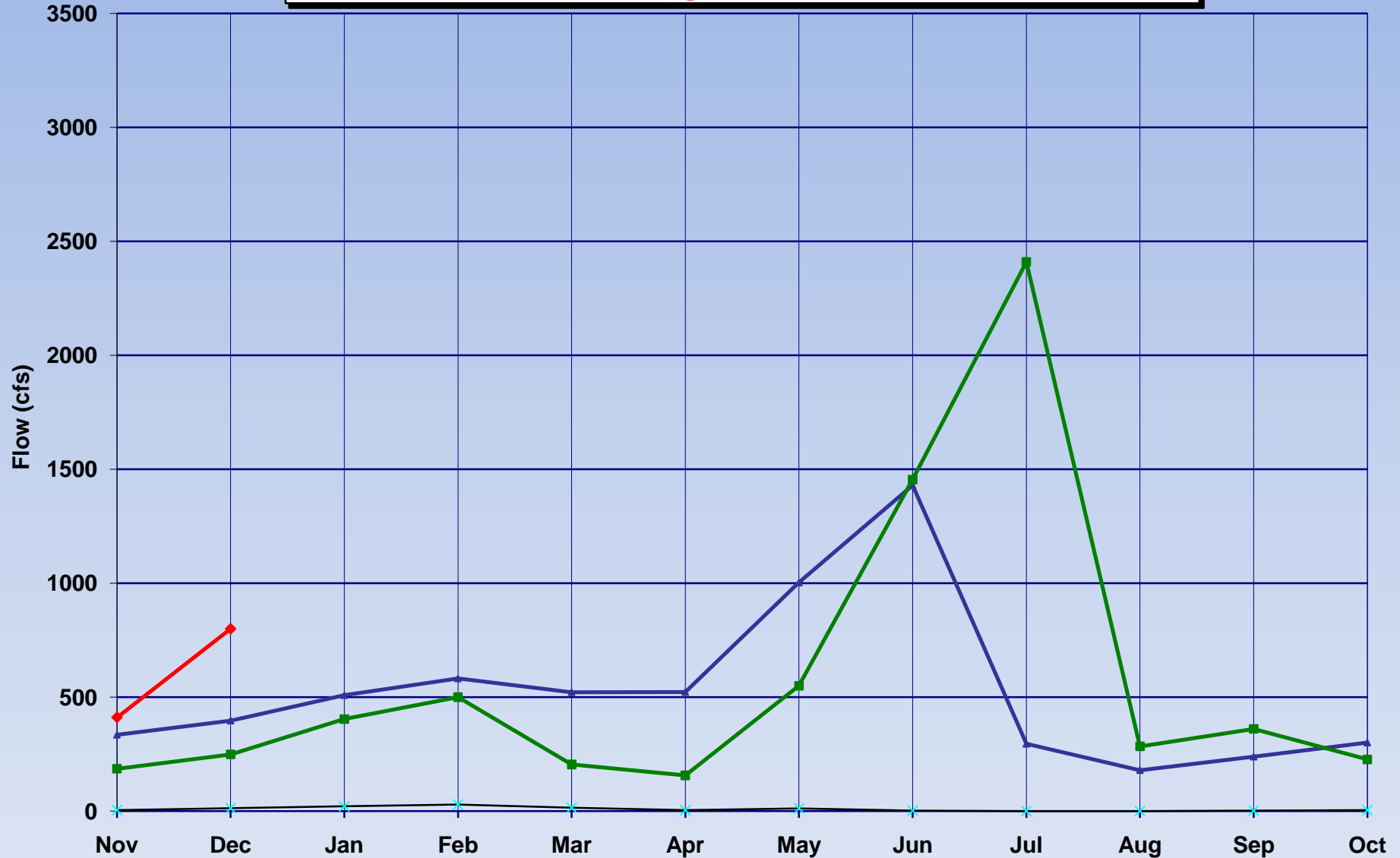


—▲— Historic* Mean Flow —×— Historic* Min Flow —◆— 2011-2012 Mean Flow —■— 2010-2011 Mean Flow

*1901-2010

South Platte River at Julesburg

Irrigation Year



—▲— Historic* Mean Flow —*— Historic* Min Flow —◆— 2011-2012 Mean Flow —■— 2010-2011 Mean Flow

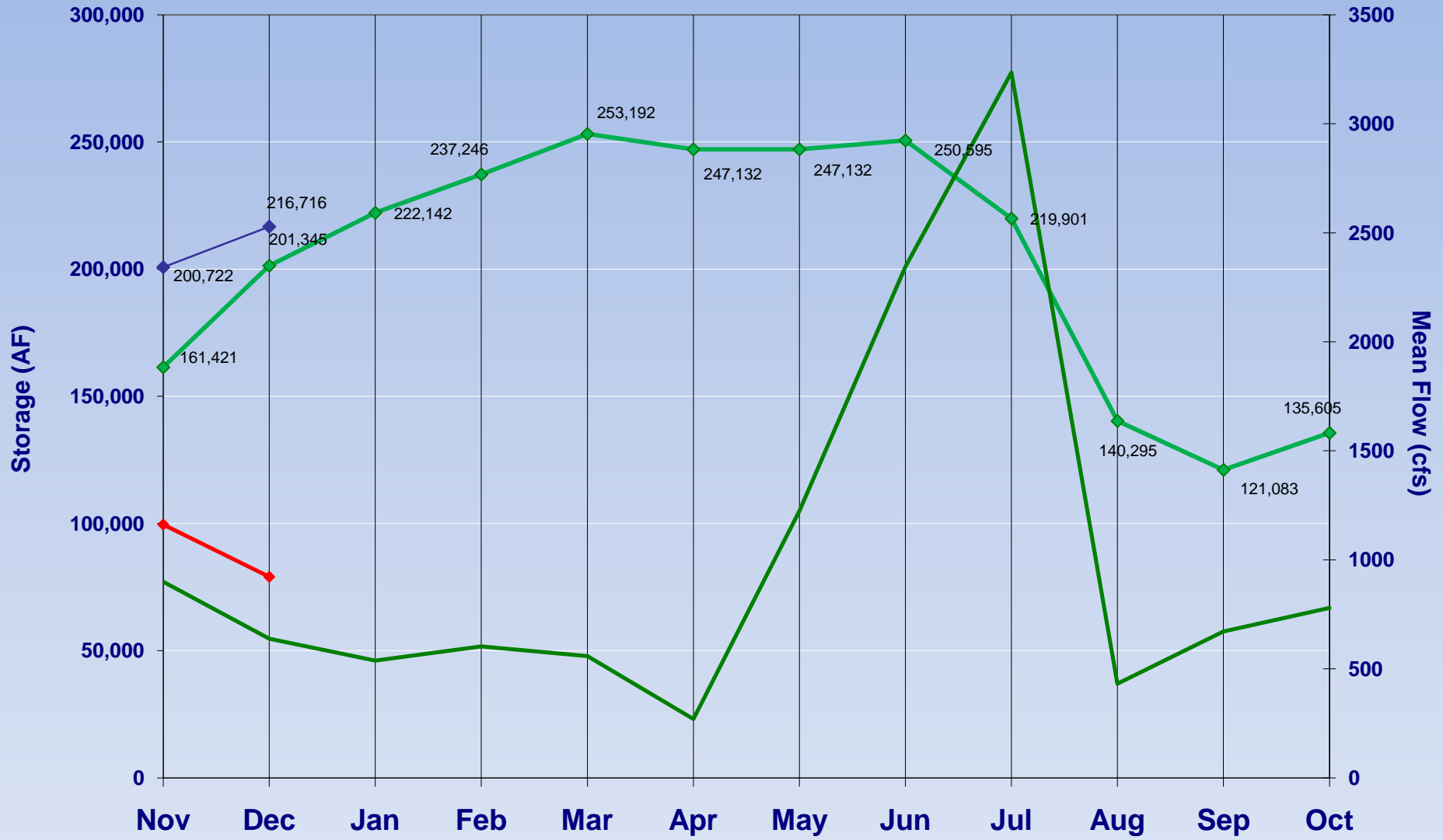
*1902-2010



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

Reservoir Storage below Kersey

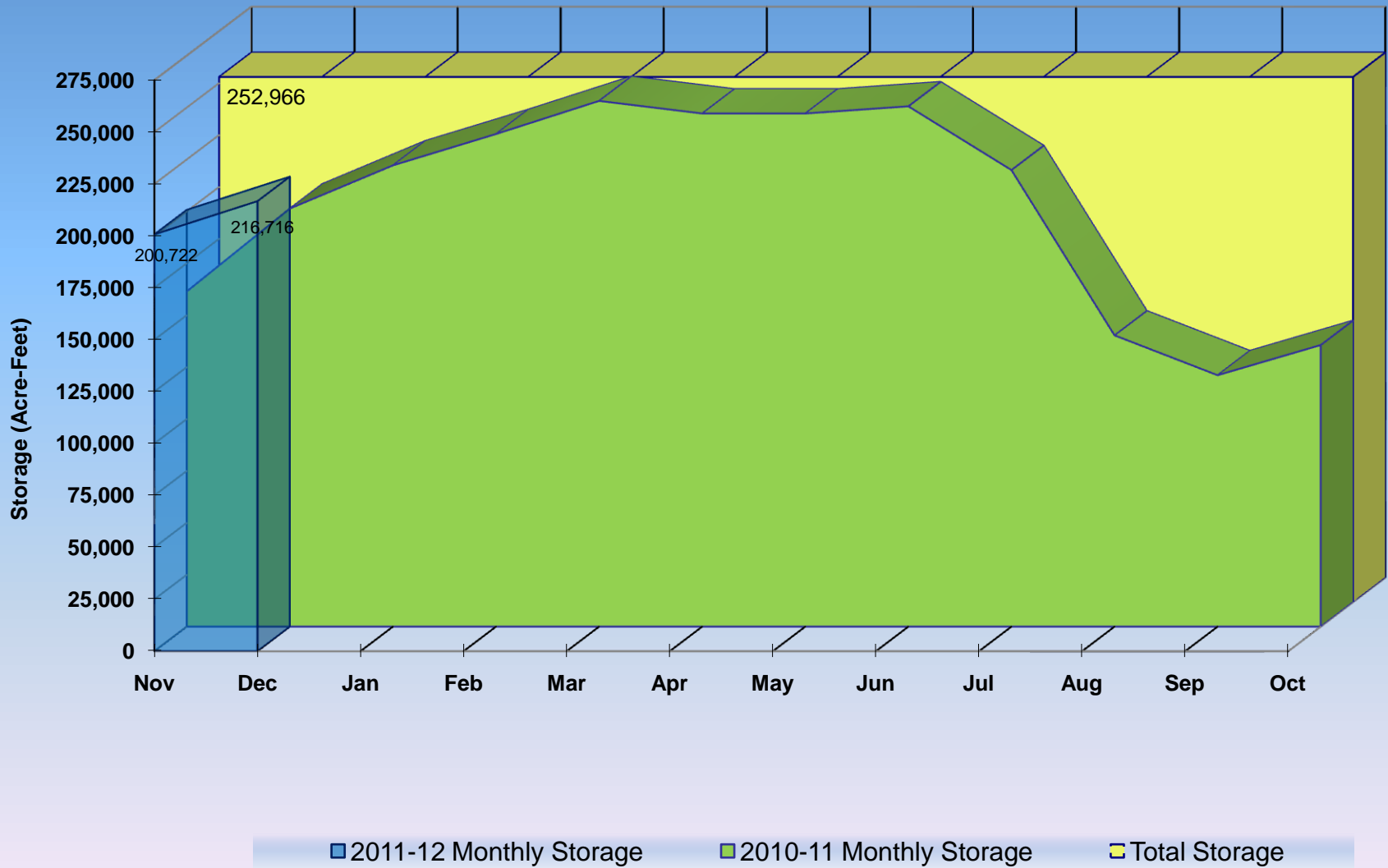
Selected Reservoirs*



◆ 2010-11 Monthly Storage
 ◆ 2011-12 Monthly Storage
 — Kersey 2010-11
 — Kersey 2011-12

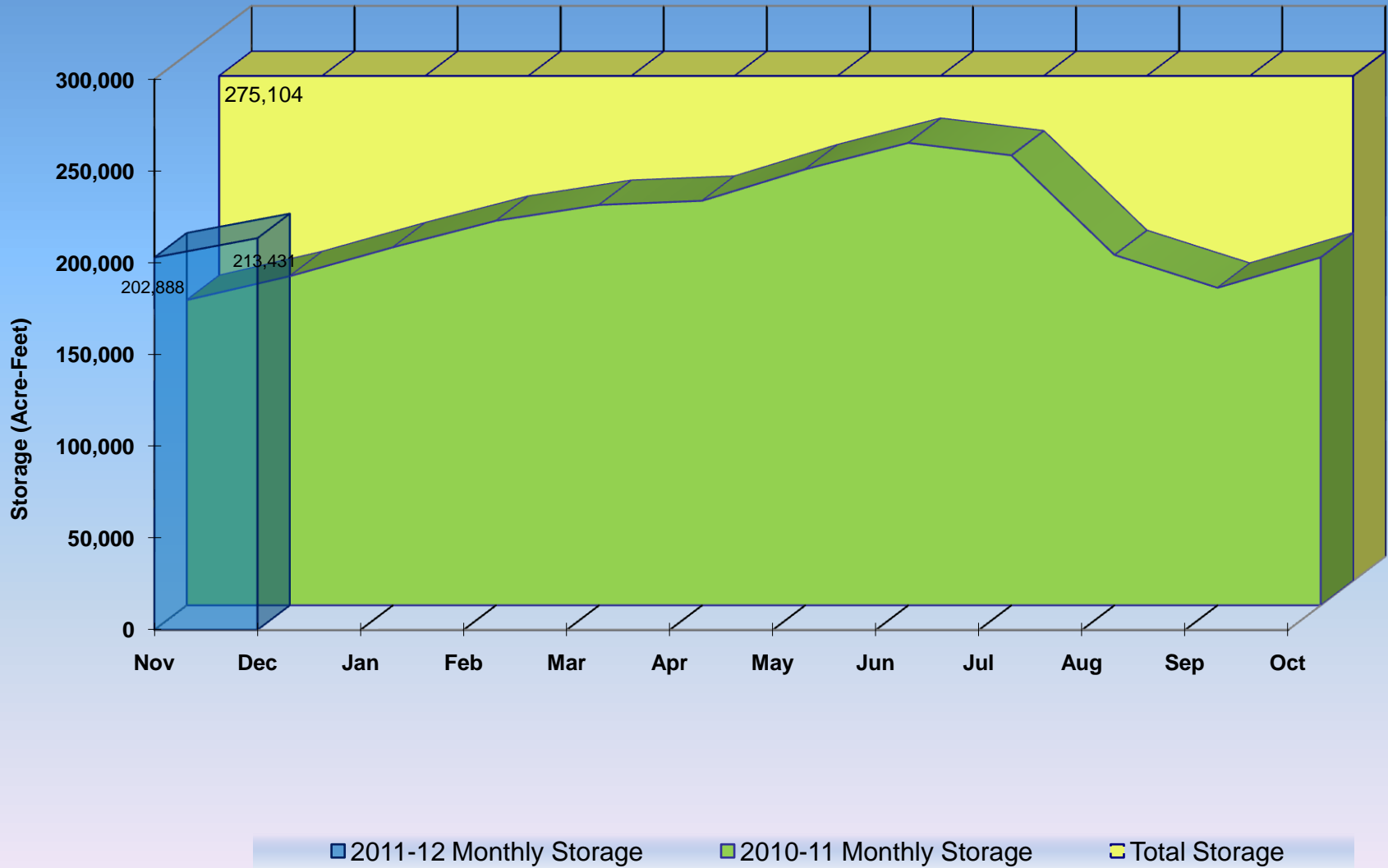
*Empire, Riverside, Jackson, Prewitt, North Sterling, & Julesburg

South Platte Reservoir Storage below Kersey*



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

South Platte Reservoir Storage above Kersey*

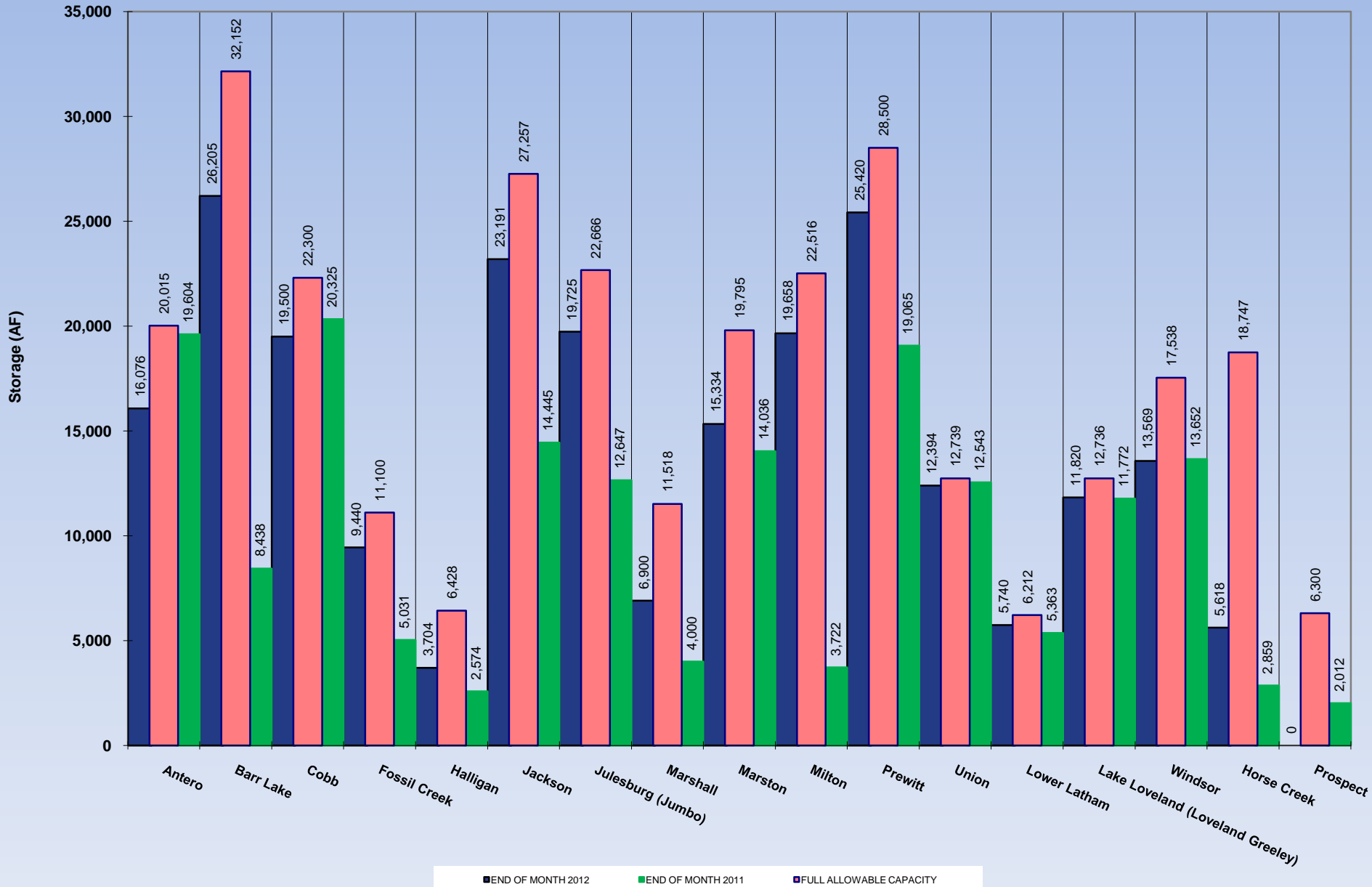


*Barr, Cobb, Fossil Crk, Halligan, Marshall, Milton, Union, Standley, Lower Latham, Boyd, Loveland, Windsor, Horse Crk, & Prospect

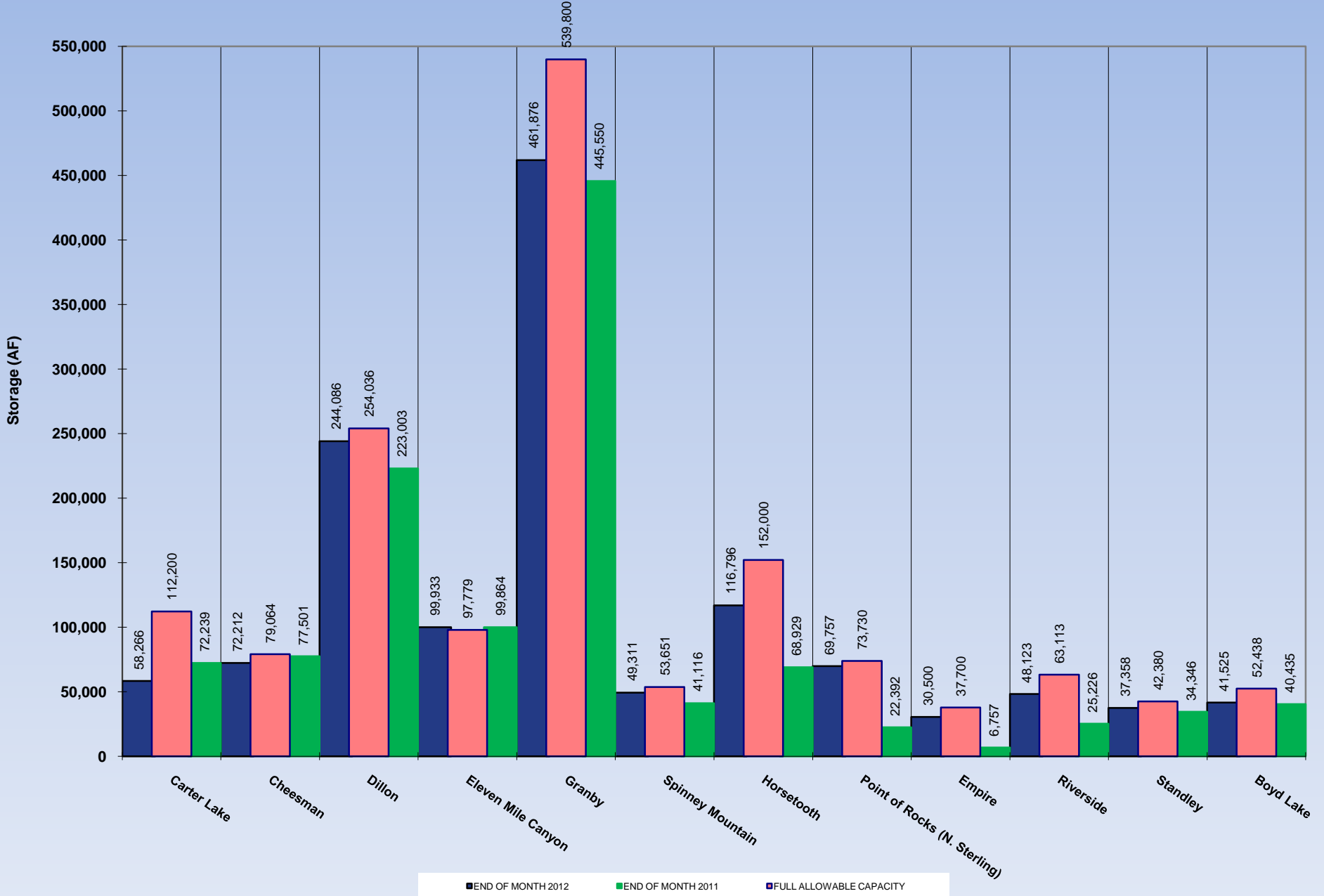


Individual Reservoir Storage Follows

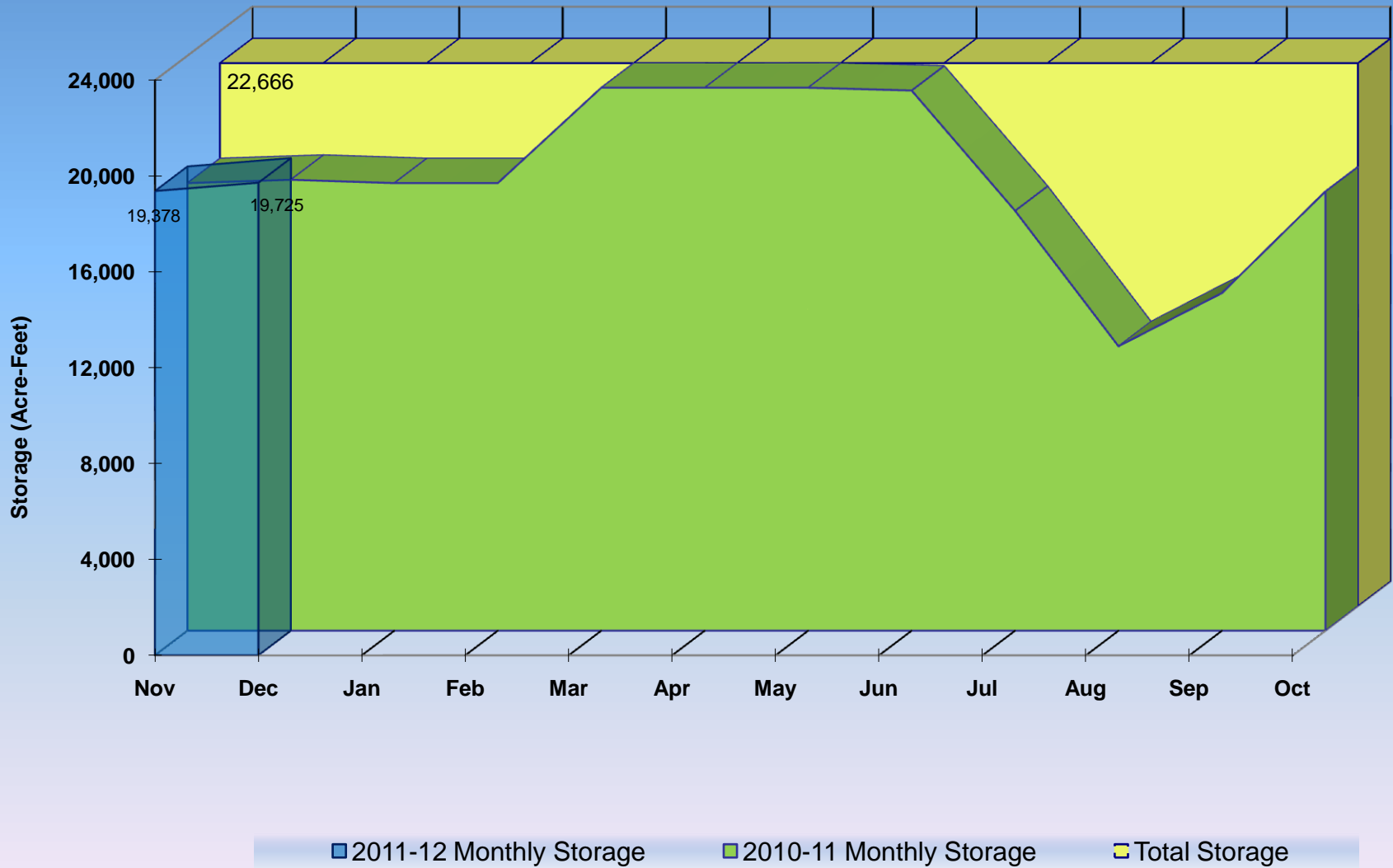
December Reservoir Change in Storage 2011 versus 2012



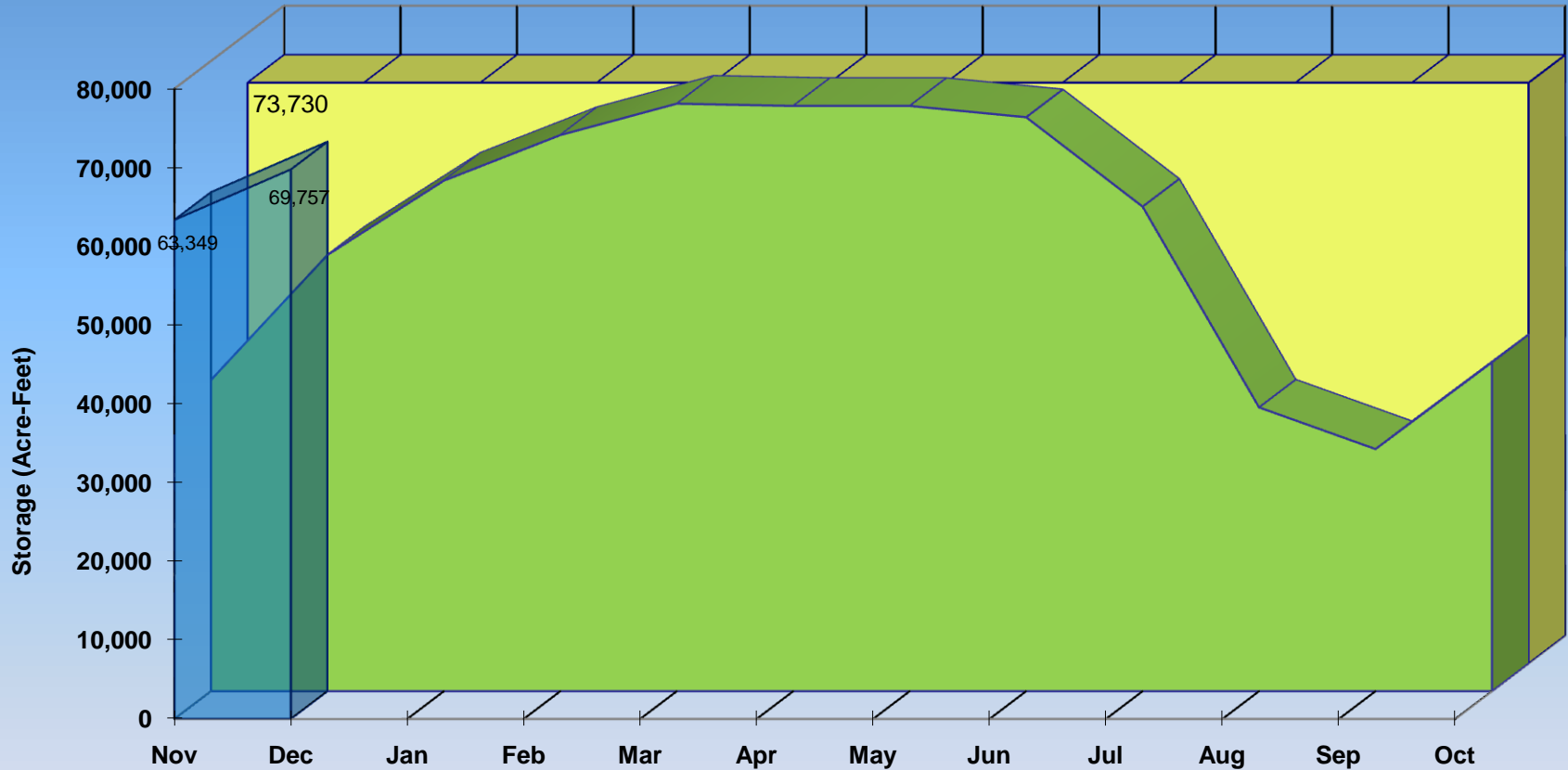
December Reservoir Change in Storage 2011 versus 2012



Julesburg Reservoir (District 64 - Agricultural)

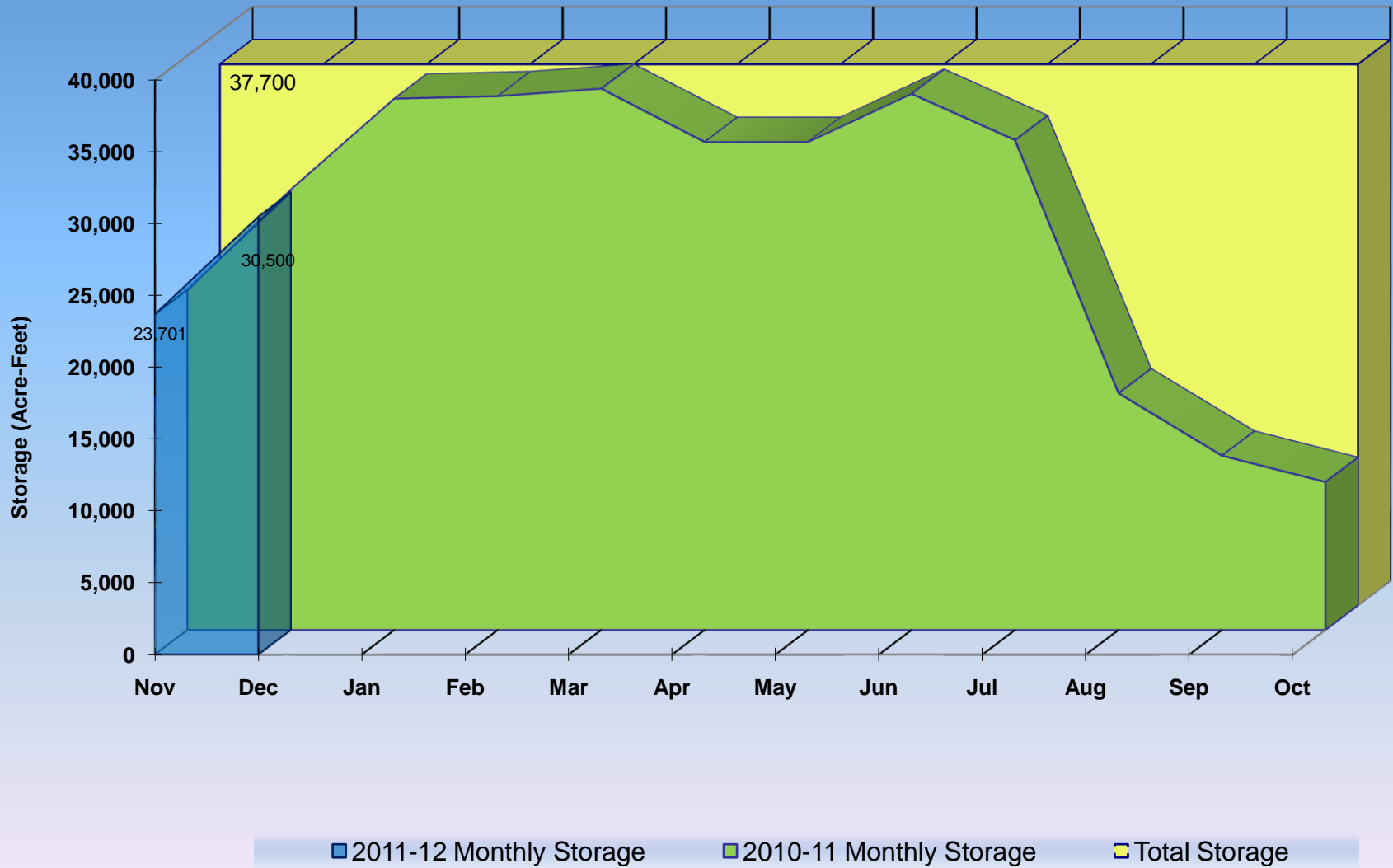


North Sterling Reservoir (District 64- Agricultural)

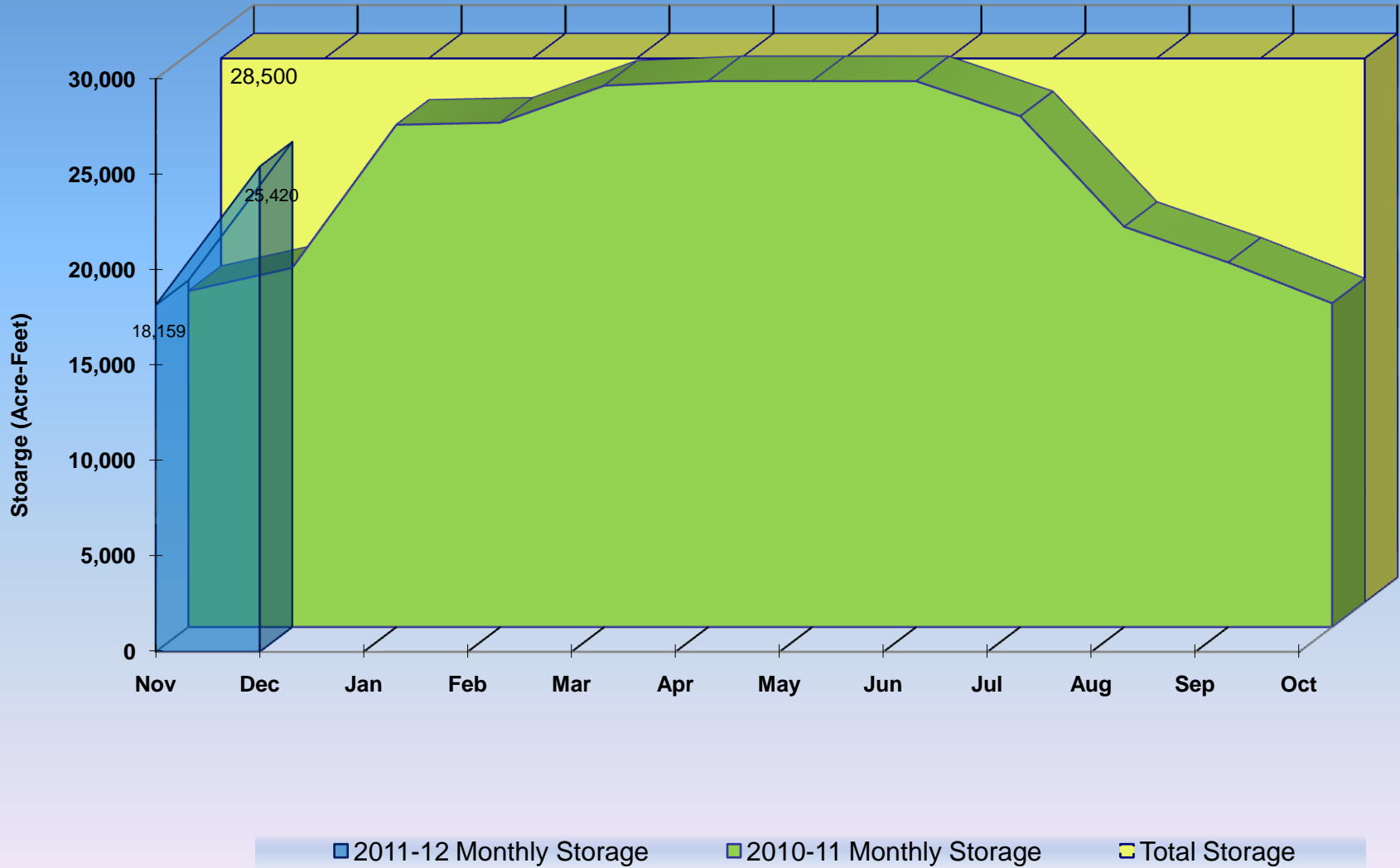


■ 2011-12 Monthly Storage ■ 2010-11 Monthly Storage ■ Total Storage

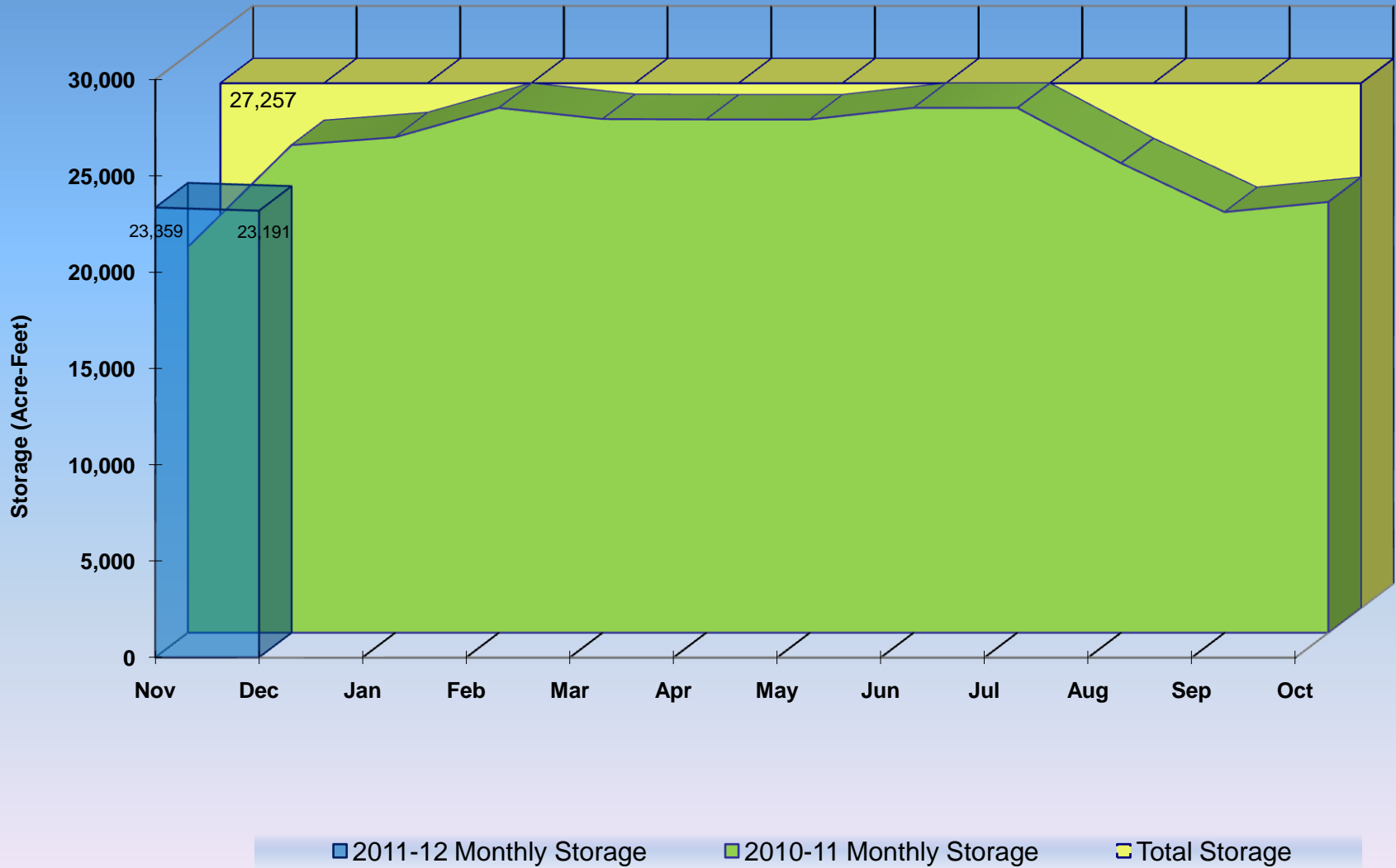
Empire Reservoir (District 1- Agricultural)



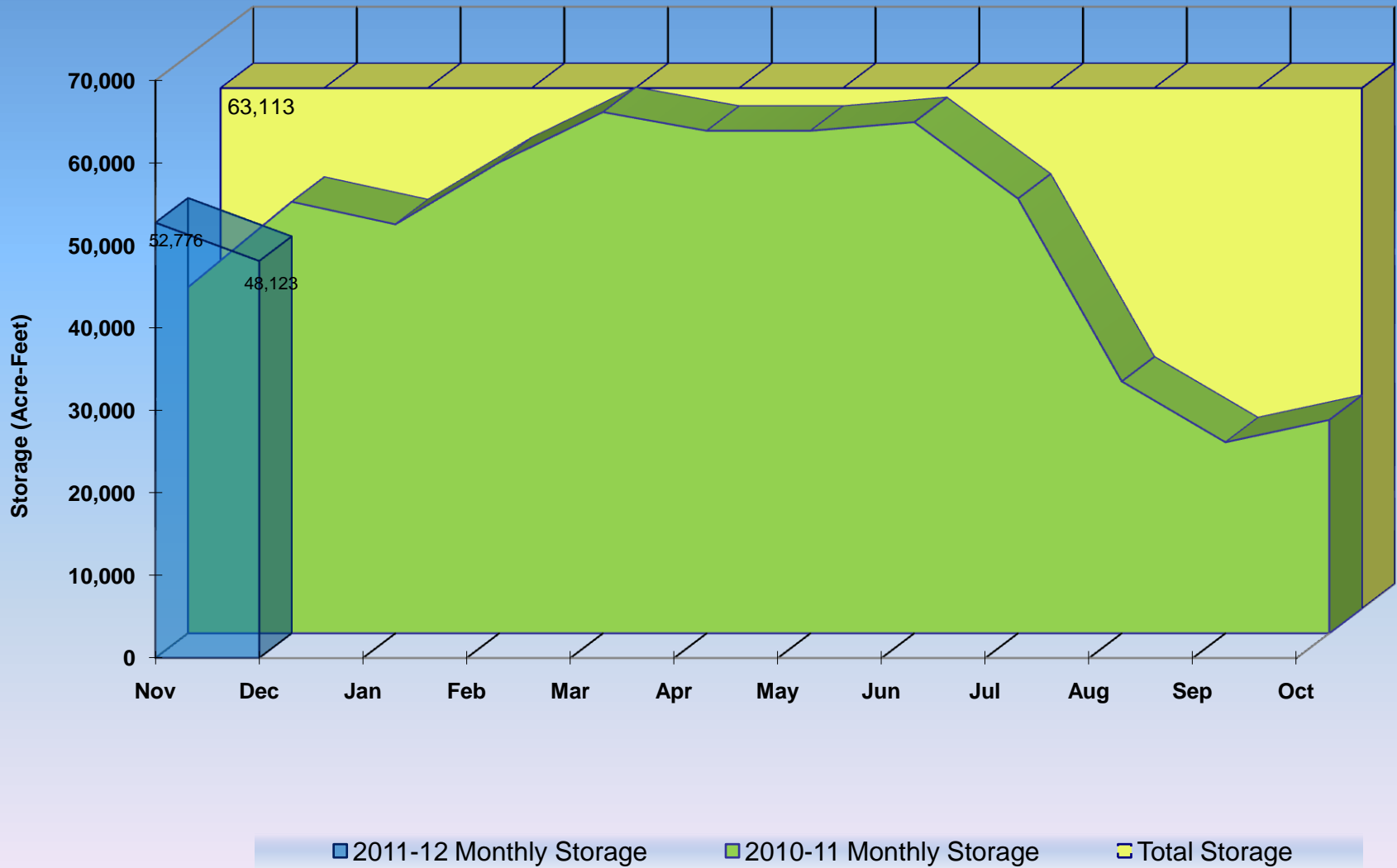
Prewitt Reservoir (District 64- Agricultural)



Jackson Reservoir (District 1- Agricultural)

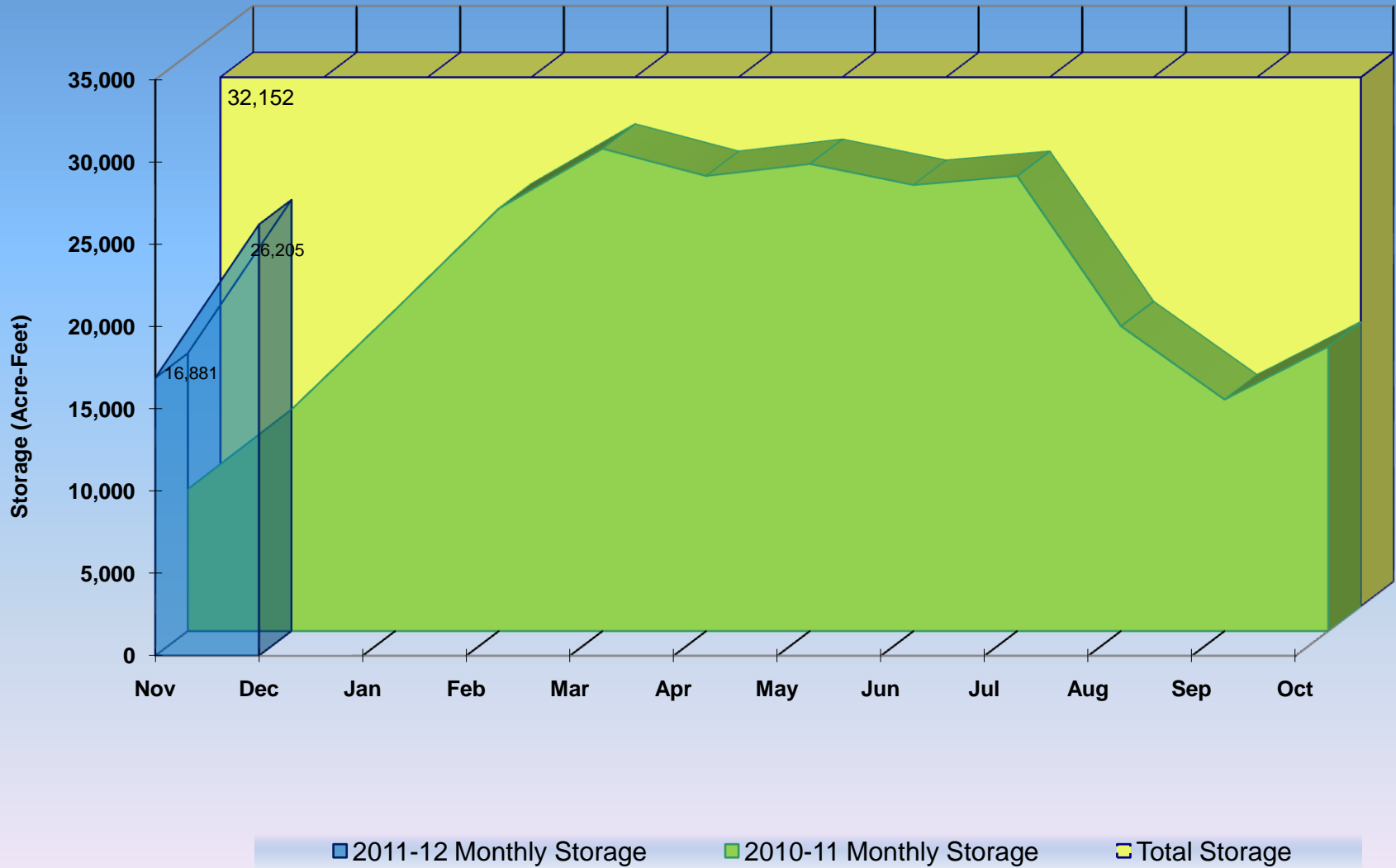


Riverside Reservoir (District 1 - Agricultural)

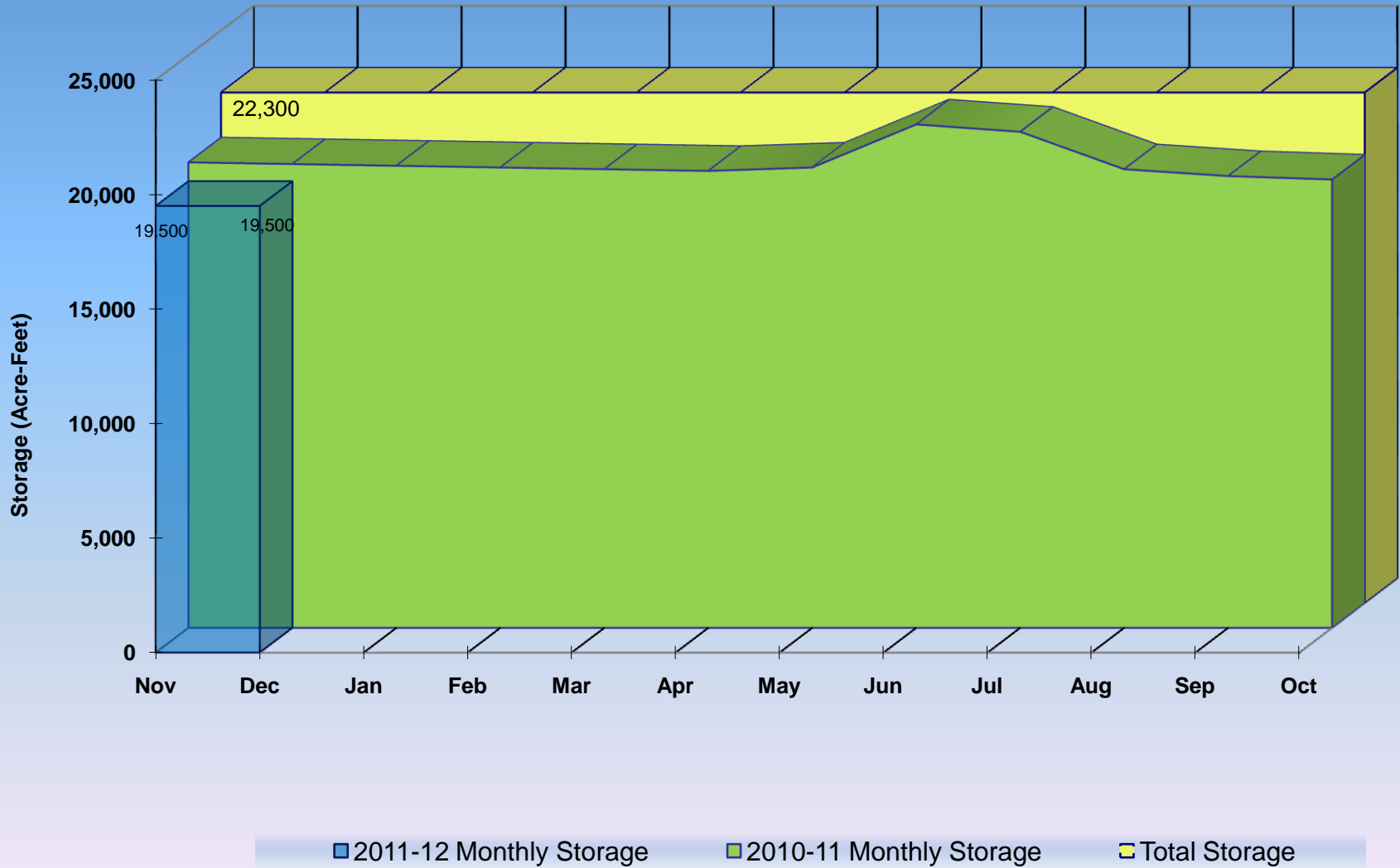


Barr Lake

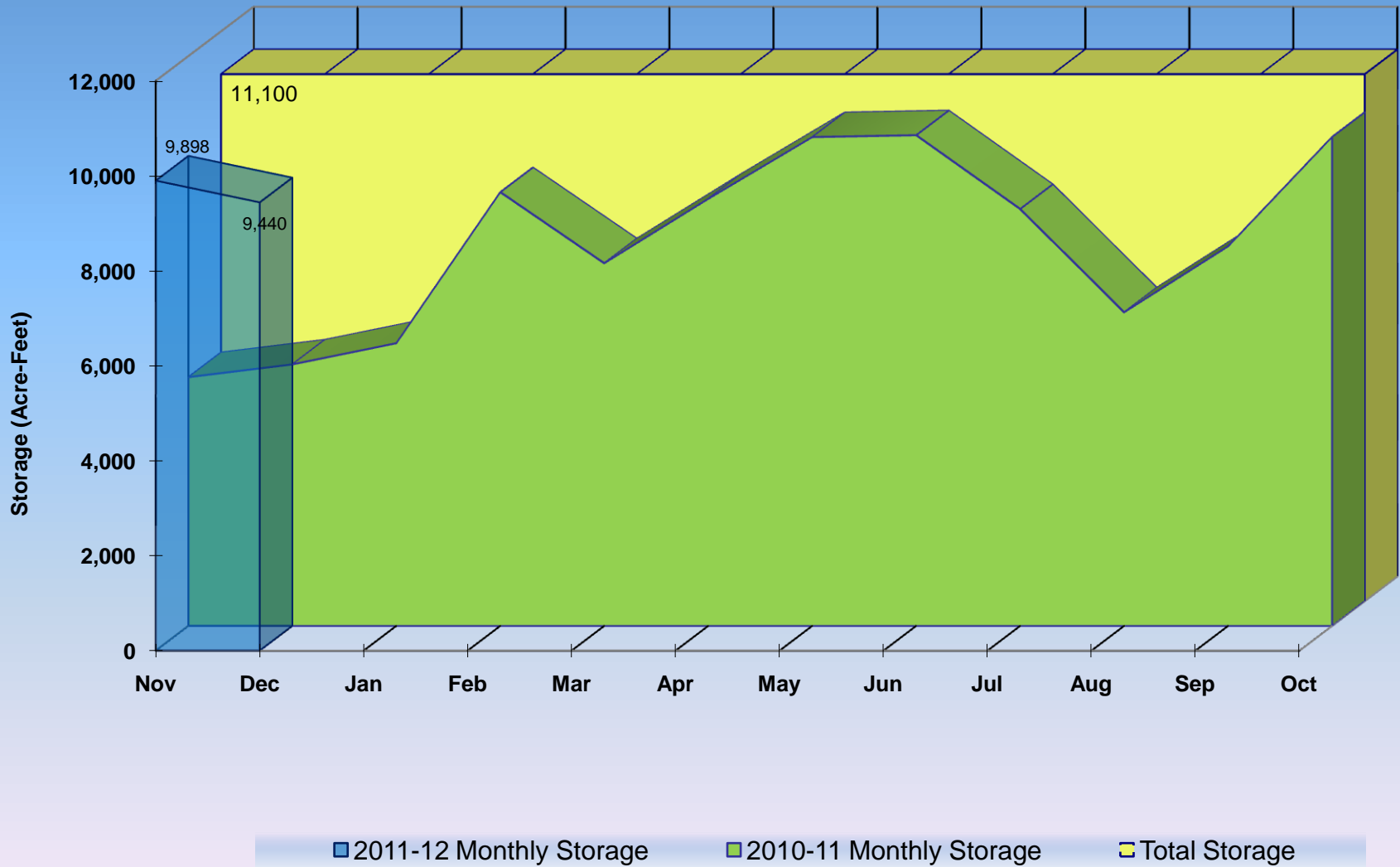
(District 2 - Agricultural)



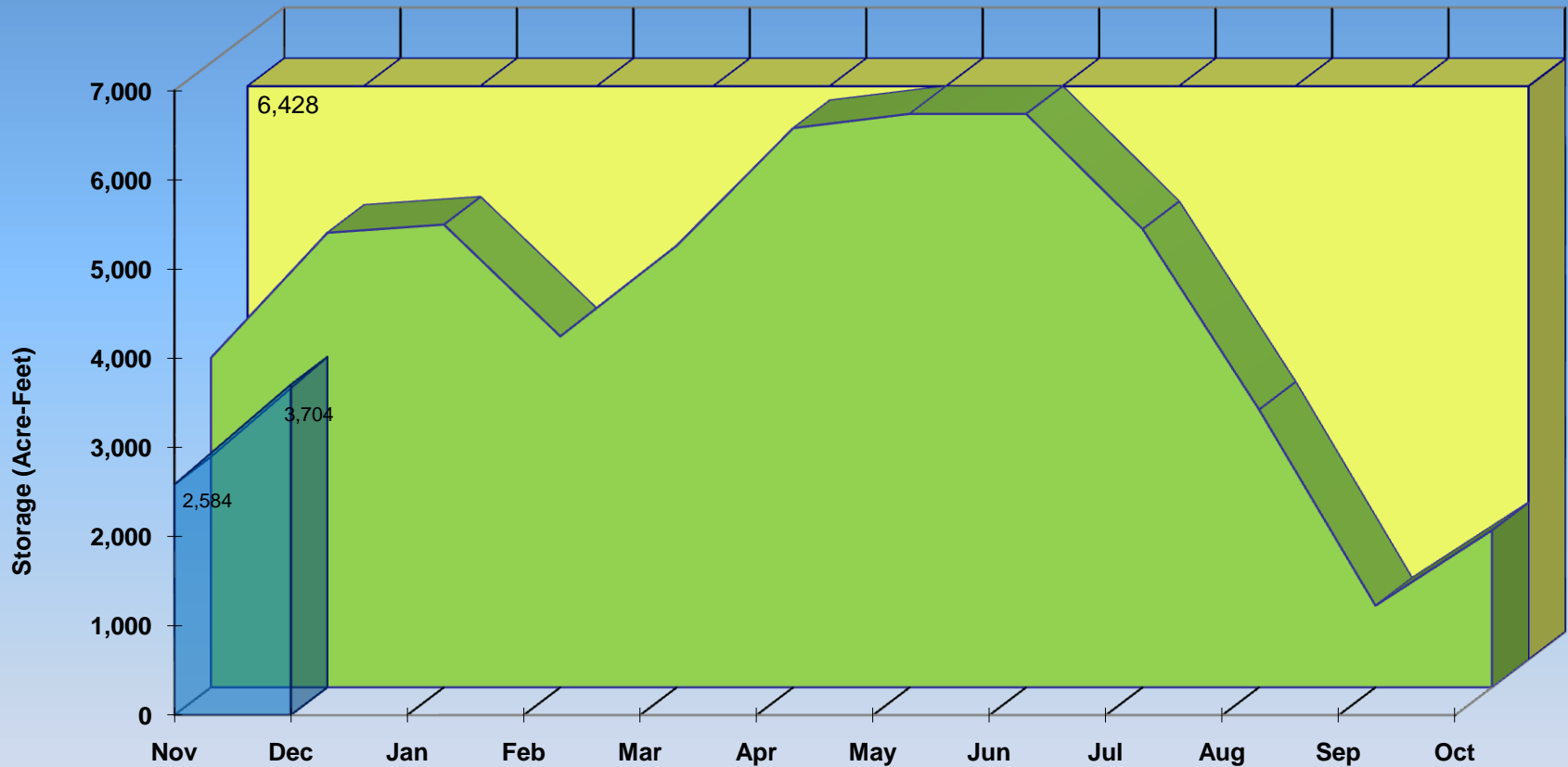
Cobb Lake (District 3, Poudre River - Agricultural)



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

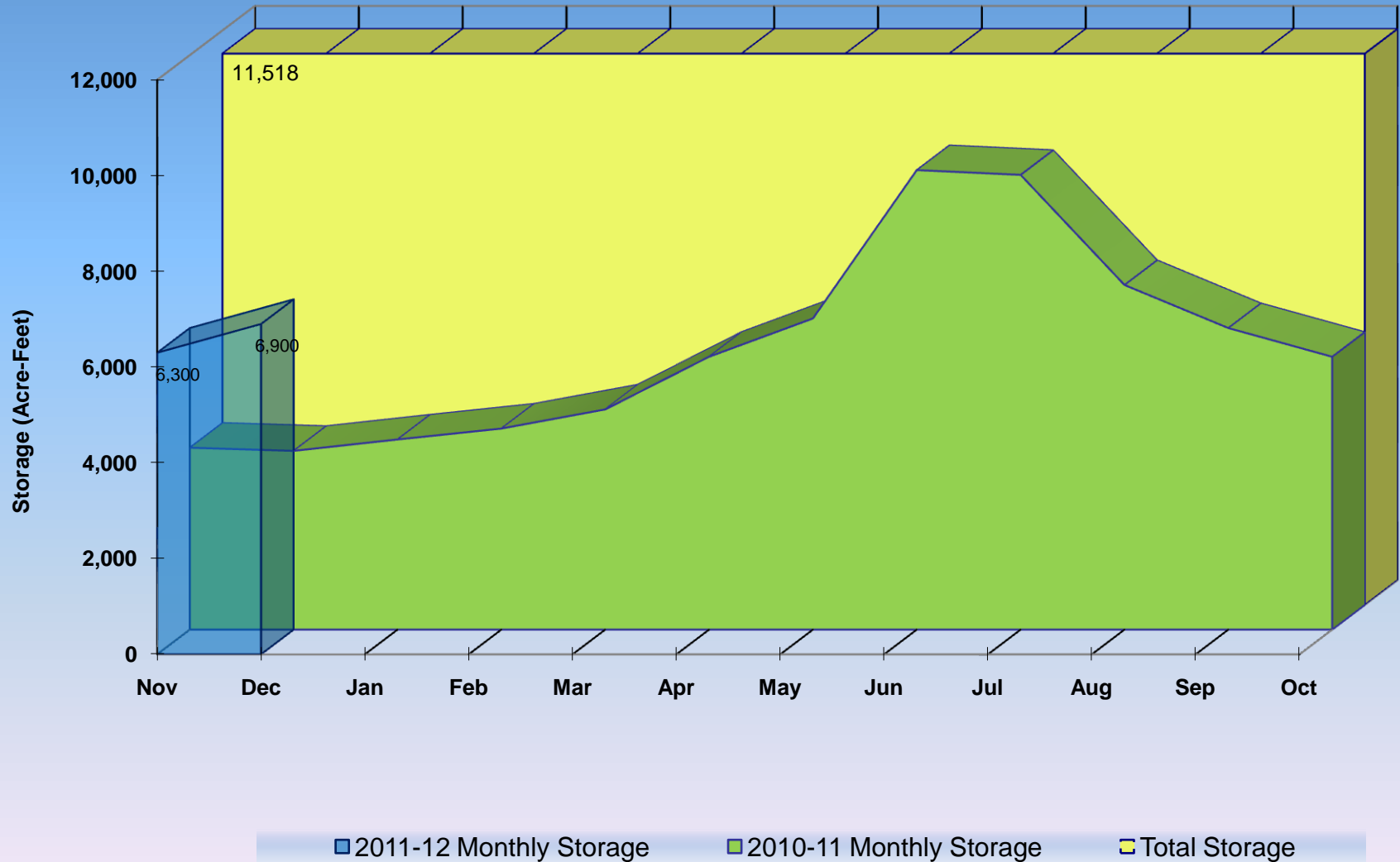


Halligan Reservoir (District 3, Poudre River - Agricultural)

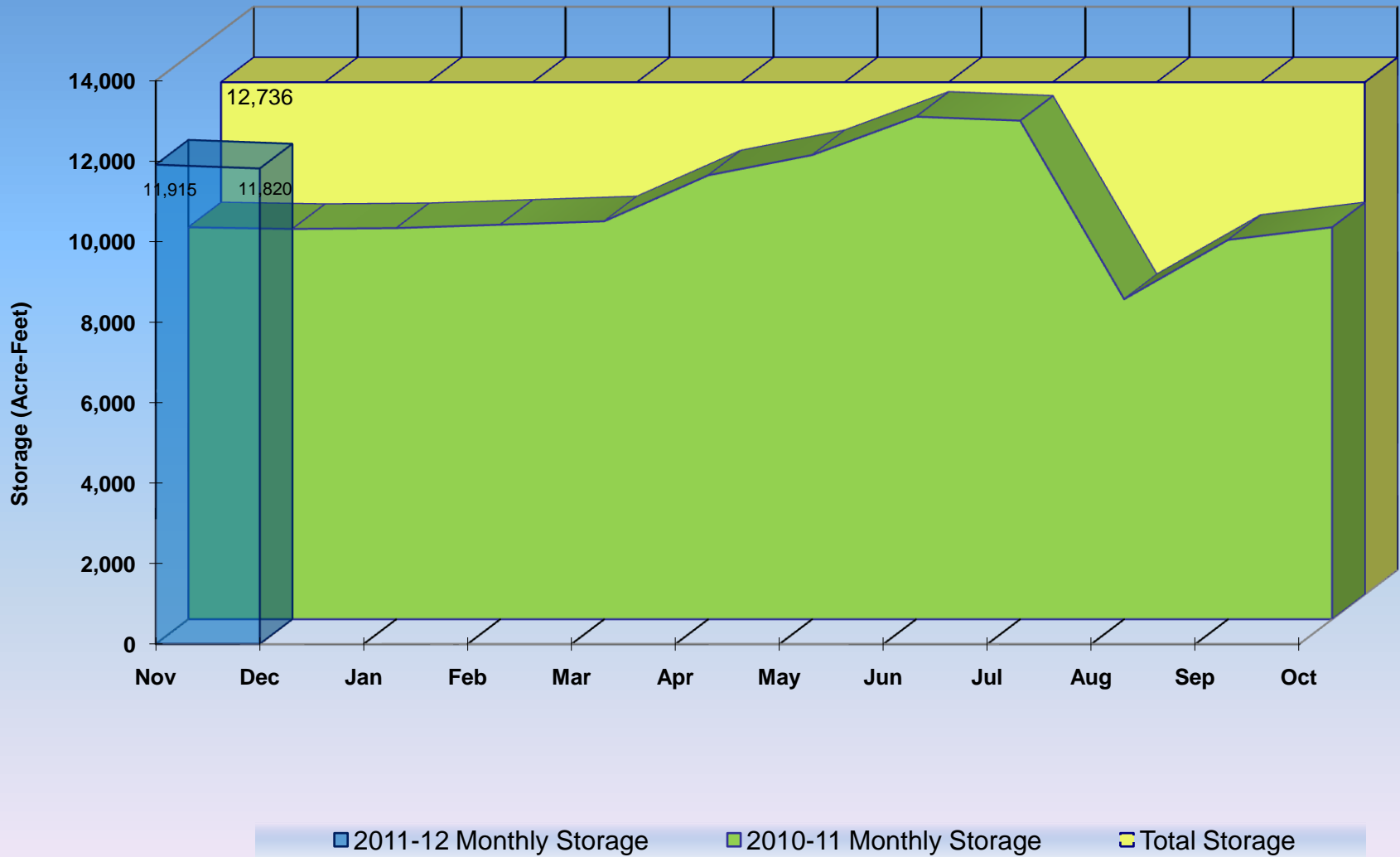


■ 2011-12 Monthly Storage
 ■ 2010-11 Monthly Storage
 ■ Total Storage

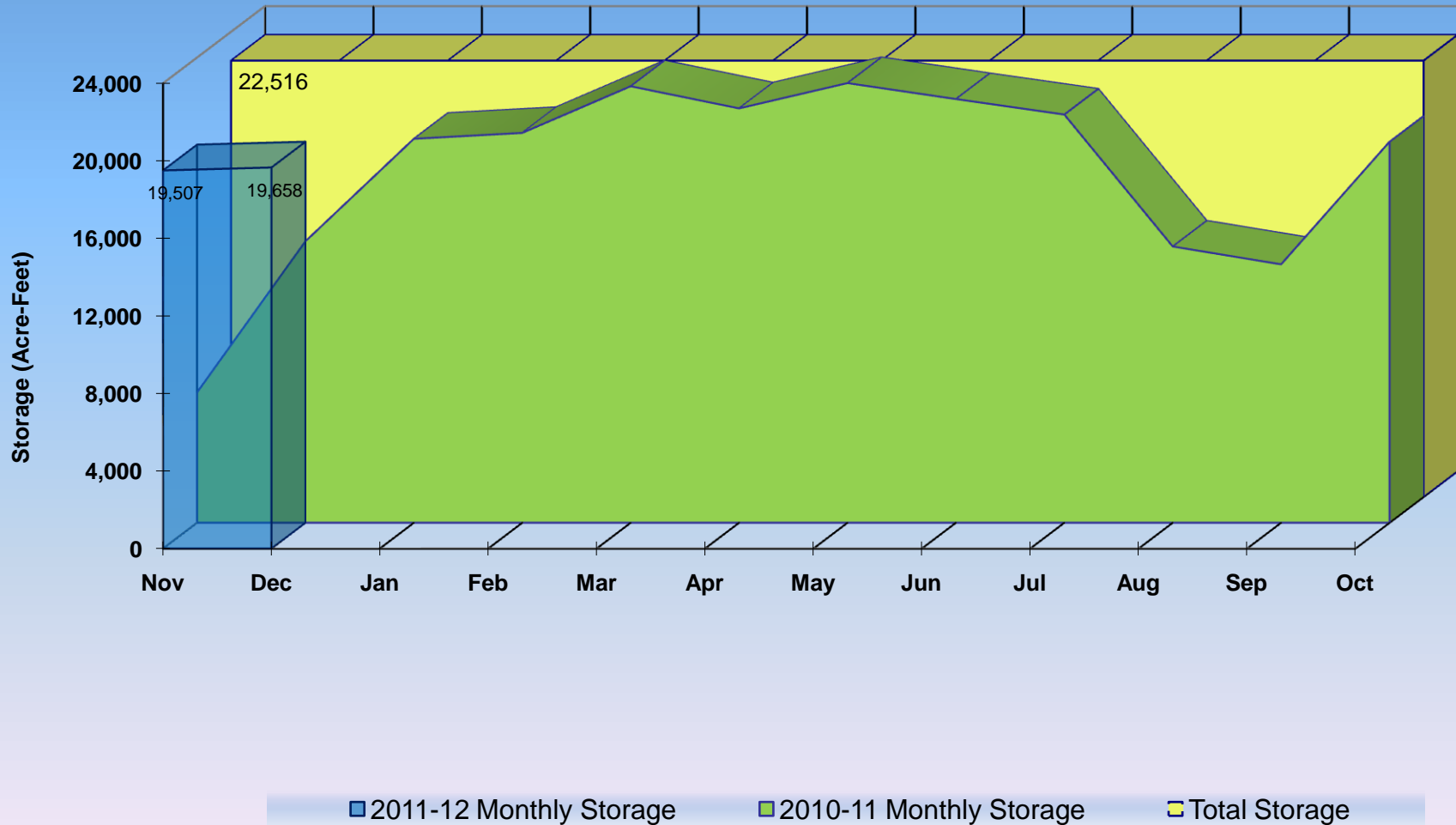
Marshall Lake (District 6, Boulder Creek - Agricultural)



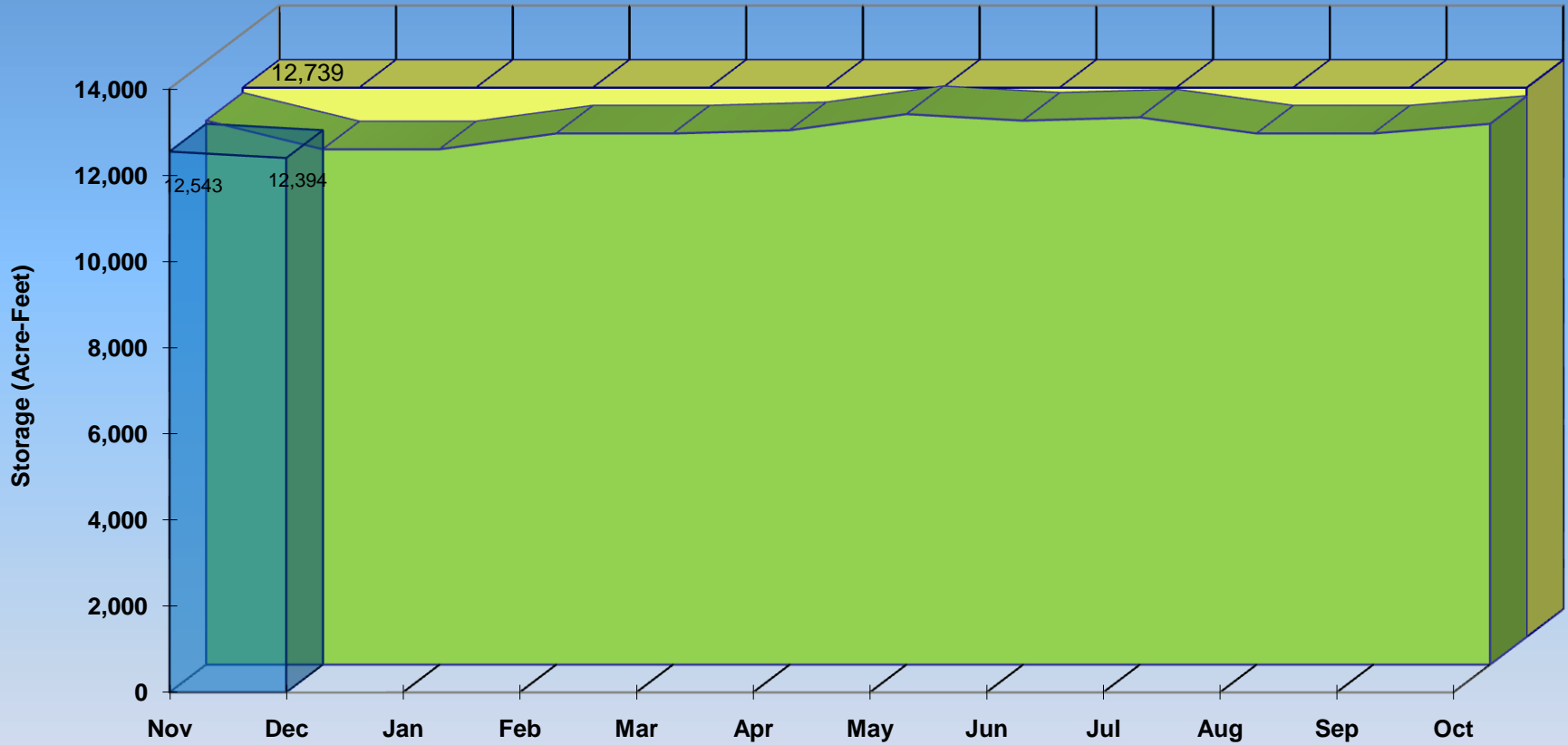
Loveland Greeley Reservoir (District 4, Big Thompson River - Agricultural)



Milton Reservoir (District 2 - Agricultural)

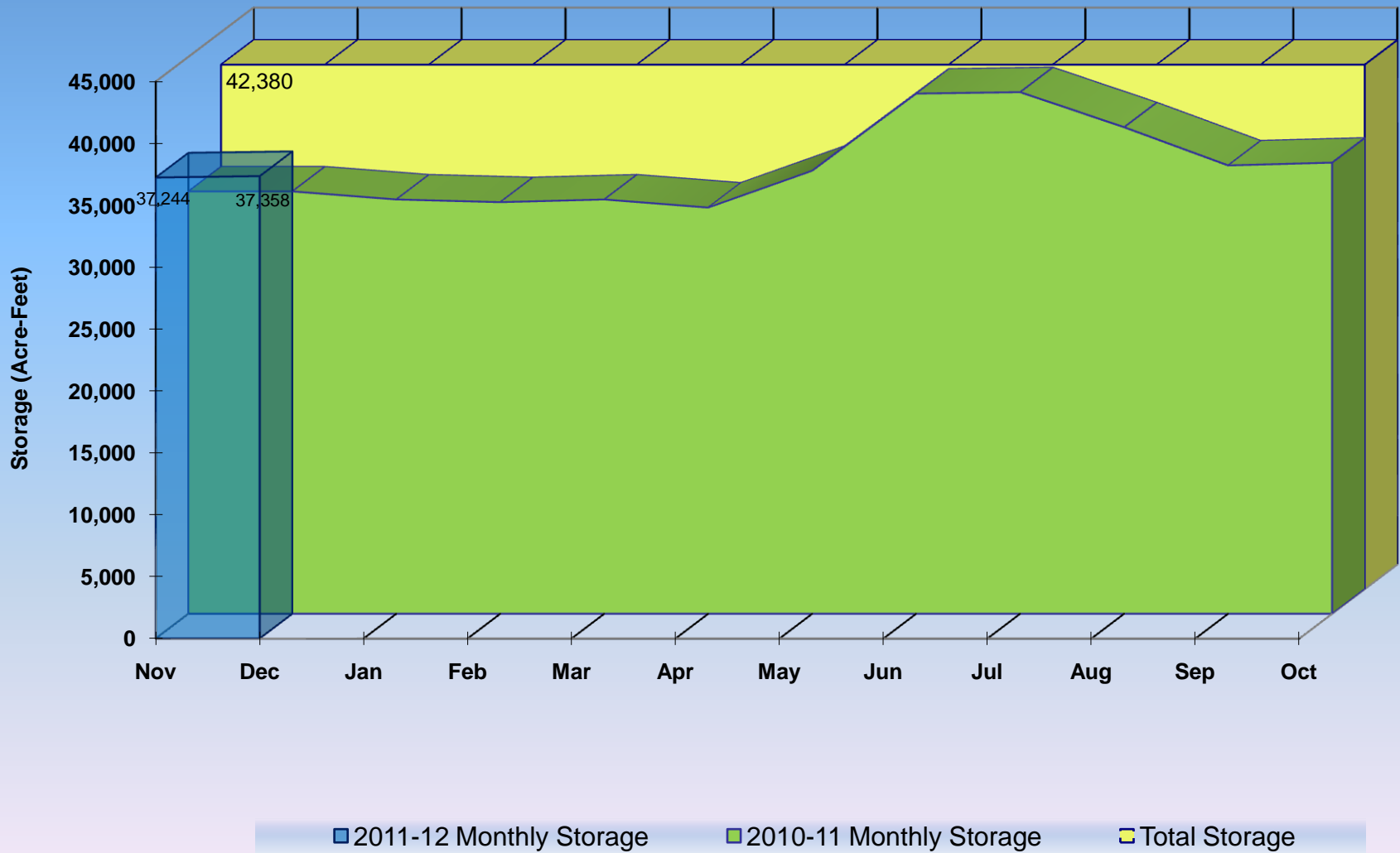


Union Reservoir (District 5, St. Vrain Creek - Agricultural)

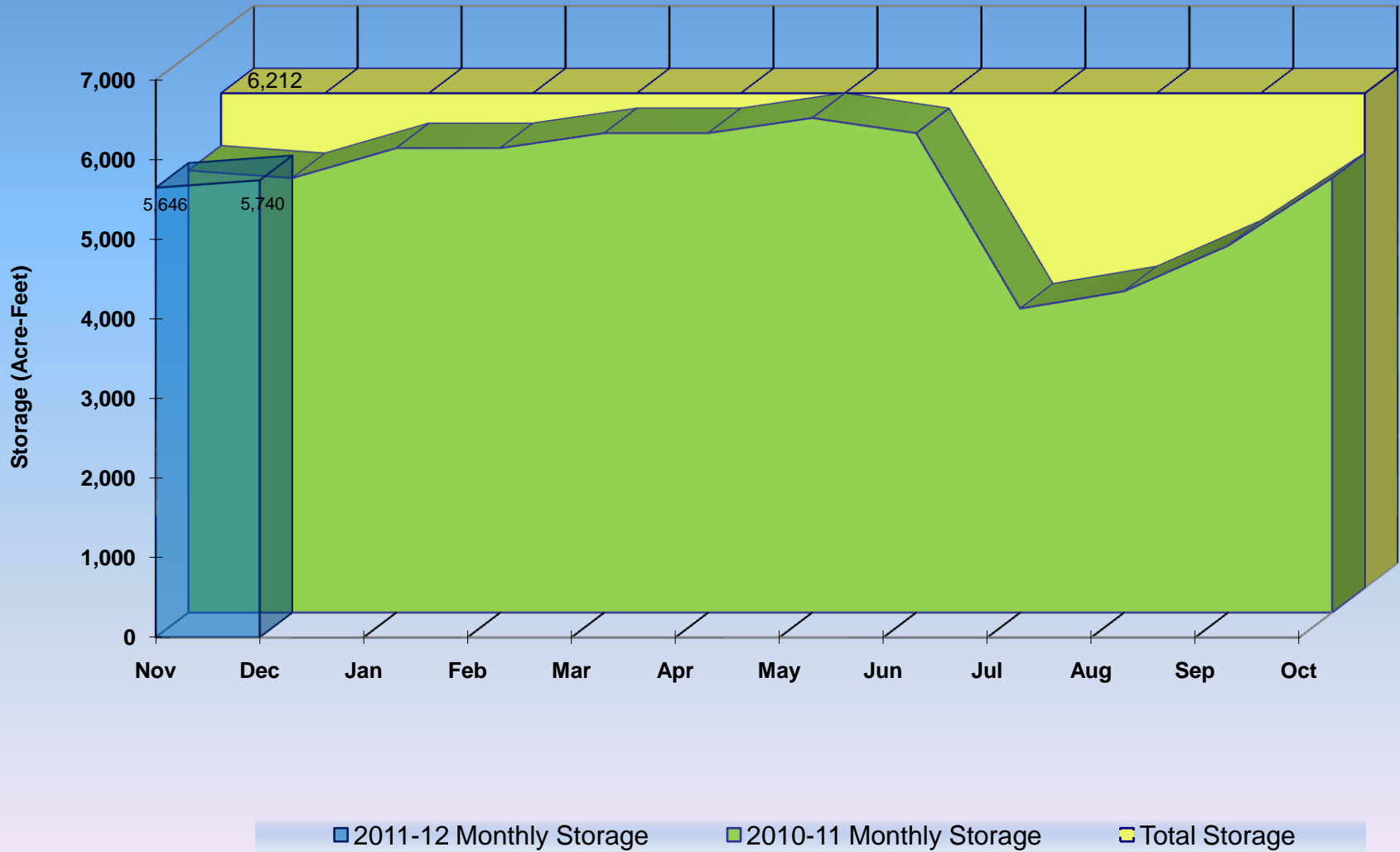


■ 2011-12 Monthly Storage
 ■ 2010-11 Monthly Storage
 ■ Total Storage

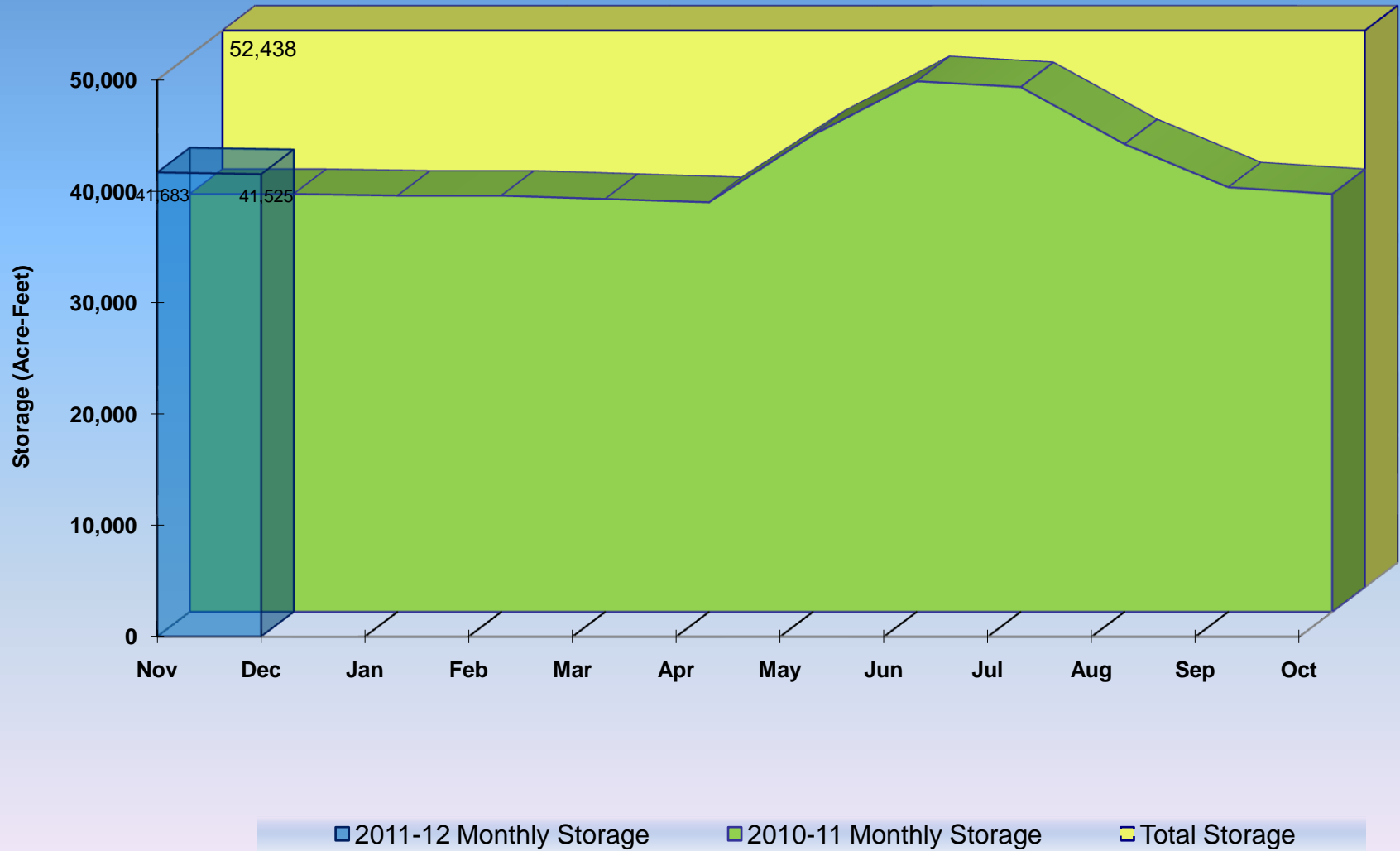
Standley Lake (Agricultural)



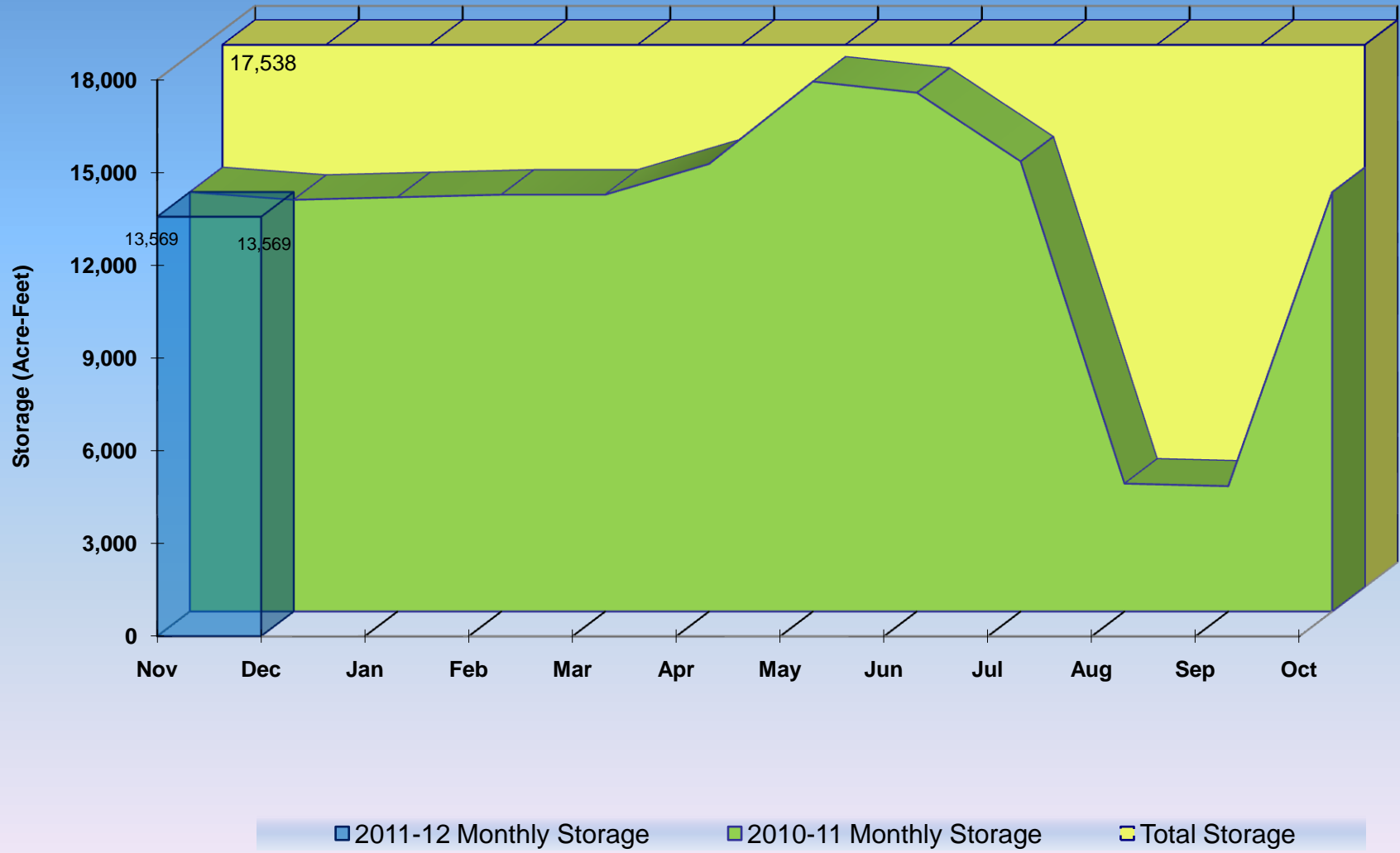
Lower Latham Reservoir (District 2 - Agricultural)



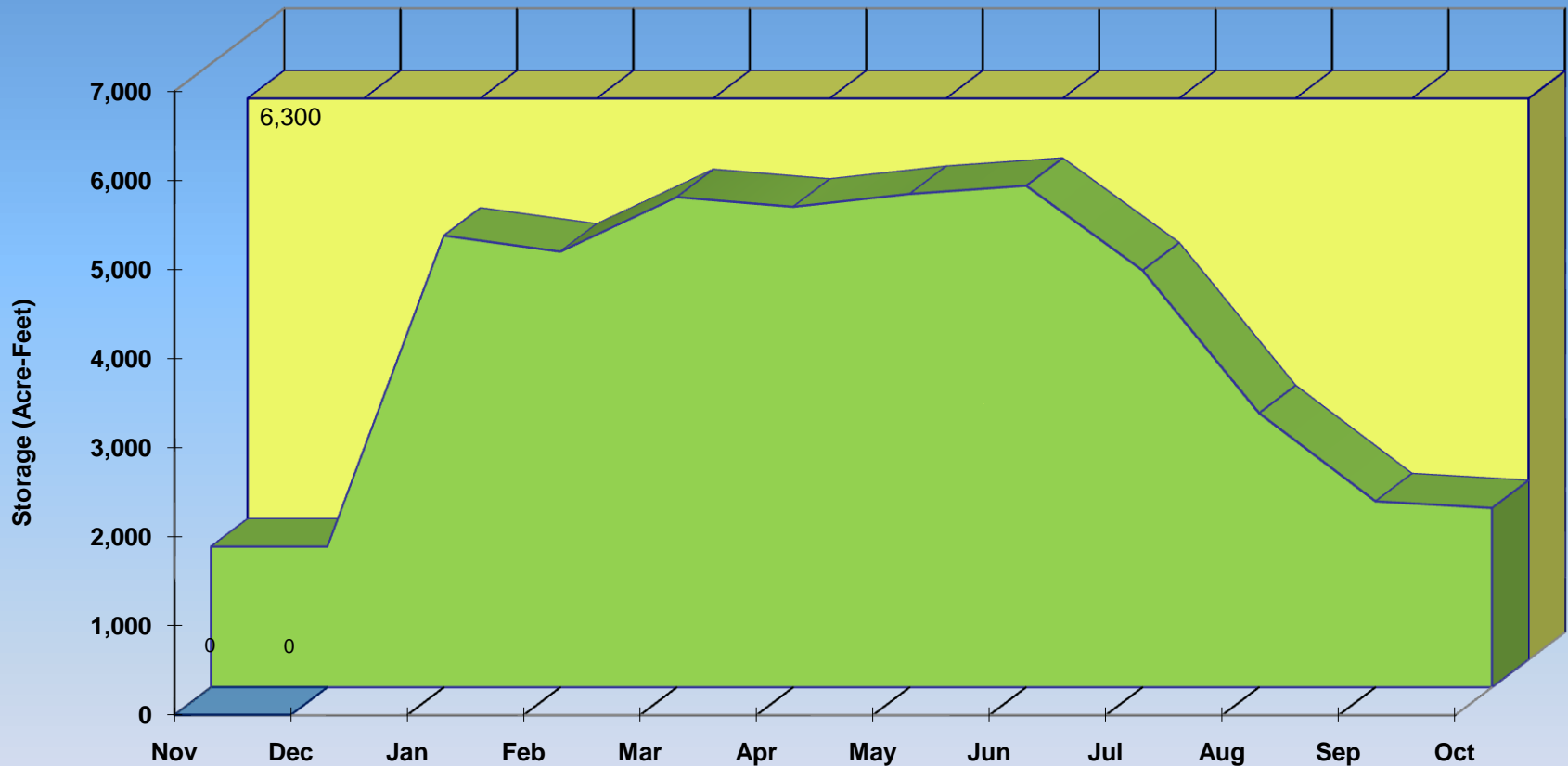
Boyd Lake (District 4, Big Thompson River - Agricultural)



Windsor Reservoir (District 3, Poudre River - Agricultural)



Prospect Reservoir (District 1- Agricultural)

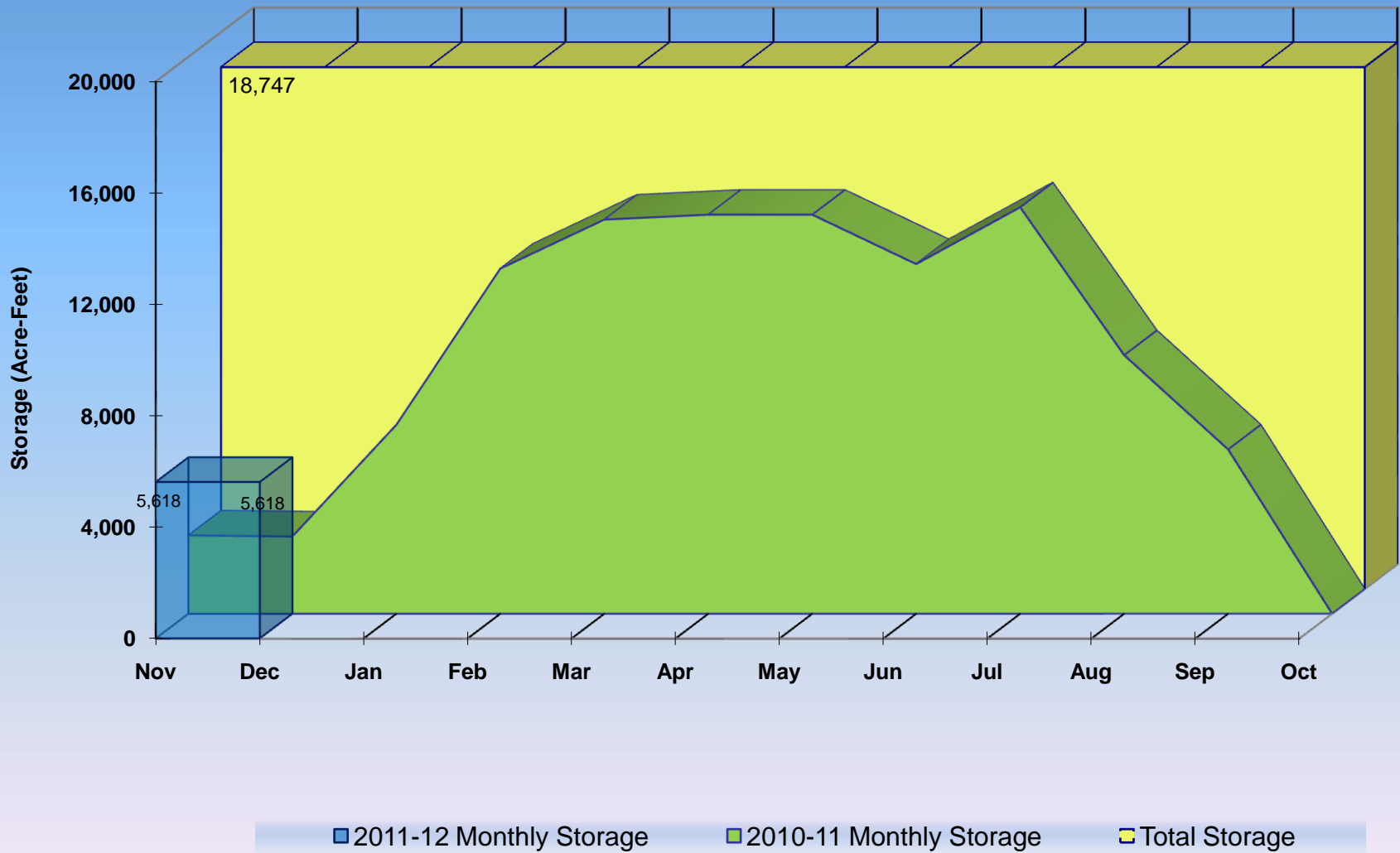


2011-12 Monthly Storage

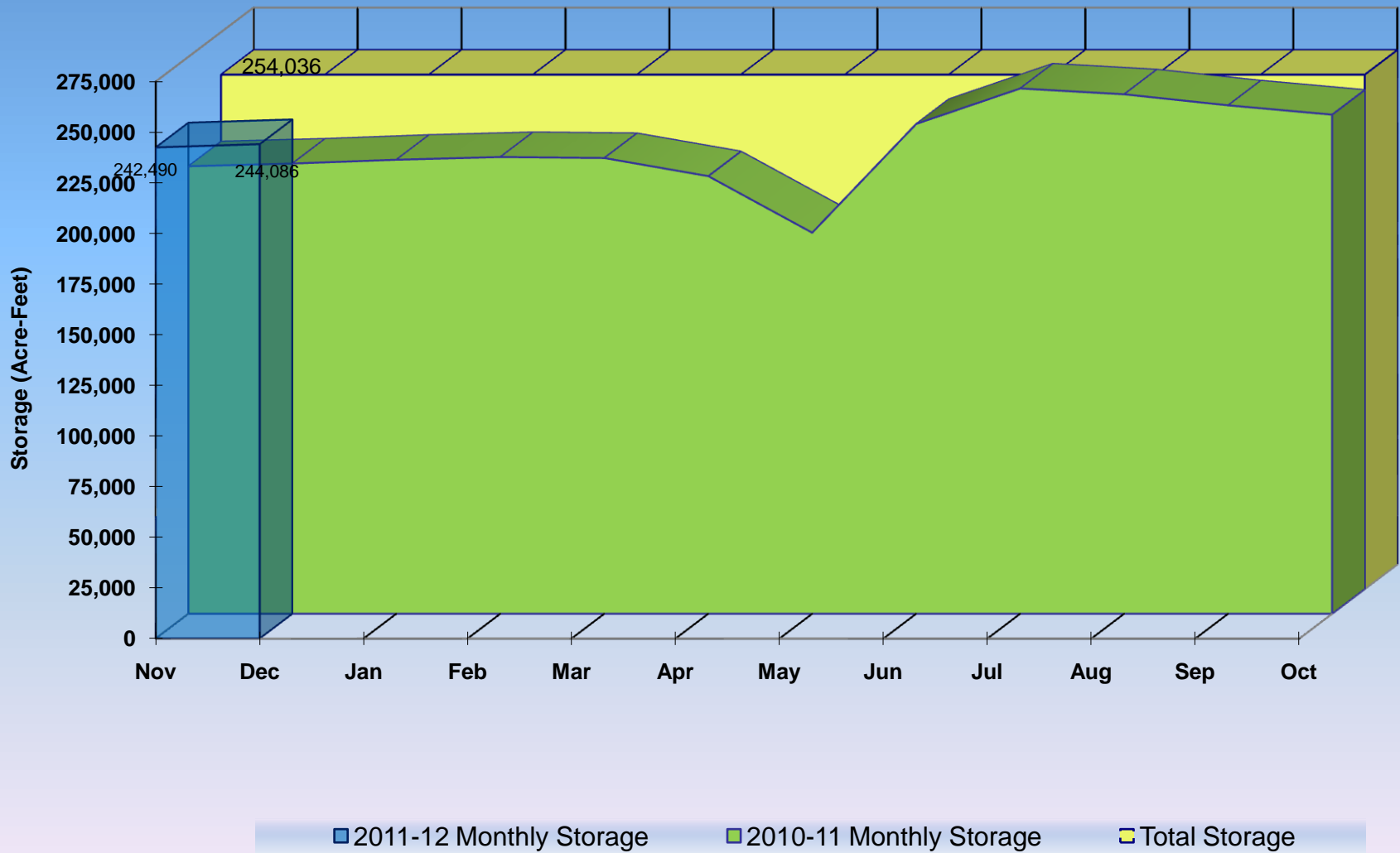
2009-10 Monthly Storage

Total Storage

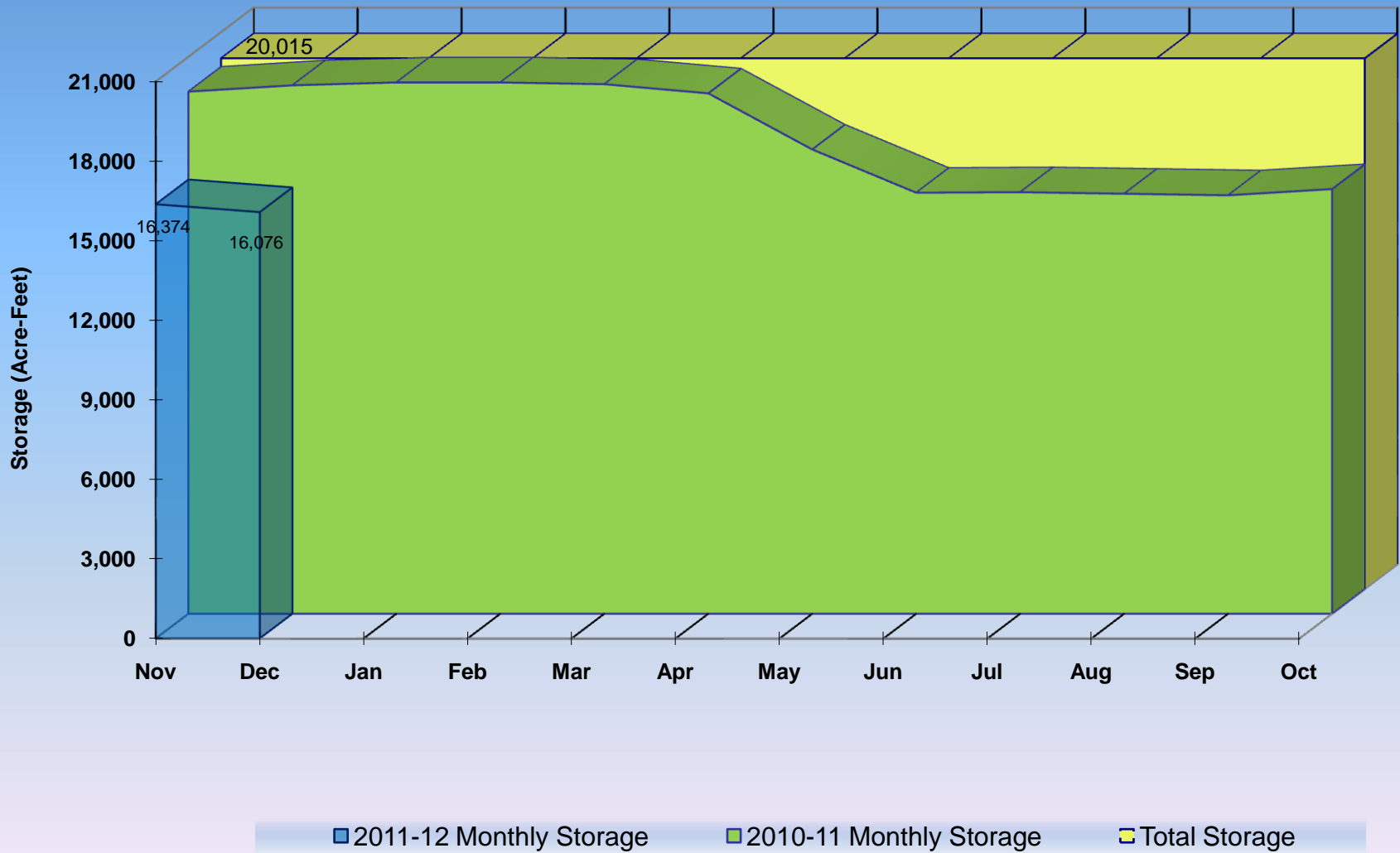
Horse Creek Reservoir (District 1 - Agricultural)



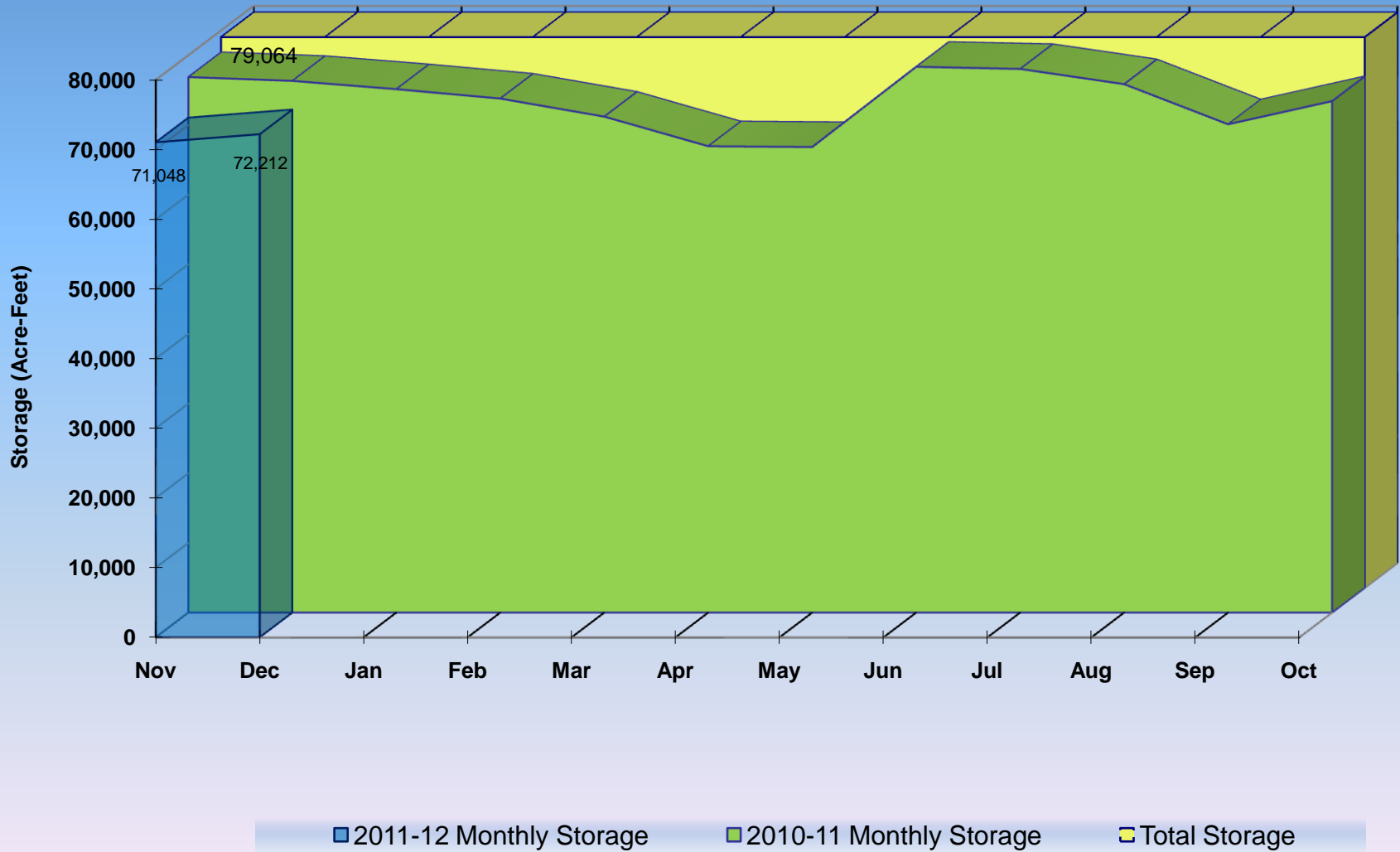
Dillon Reservoir (Municipal)



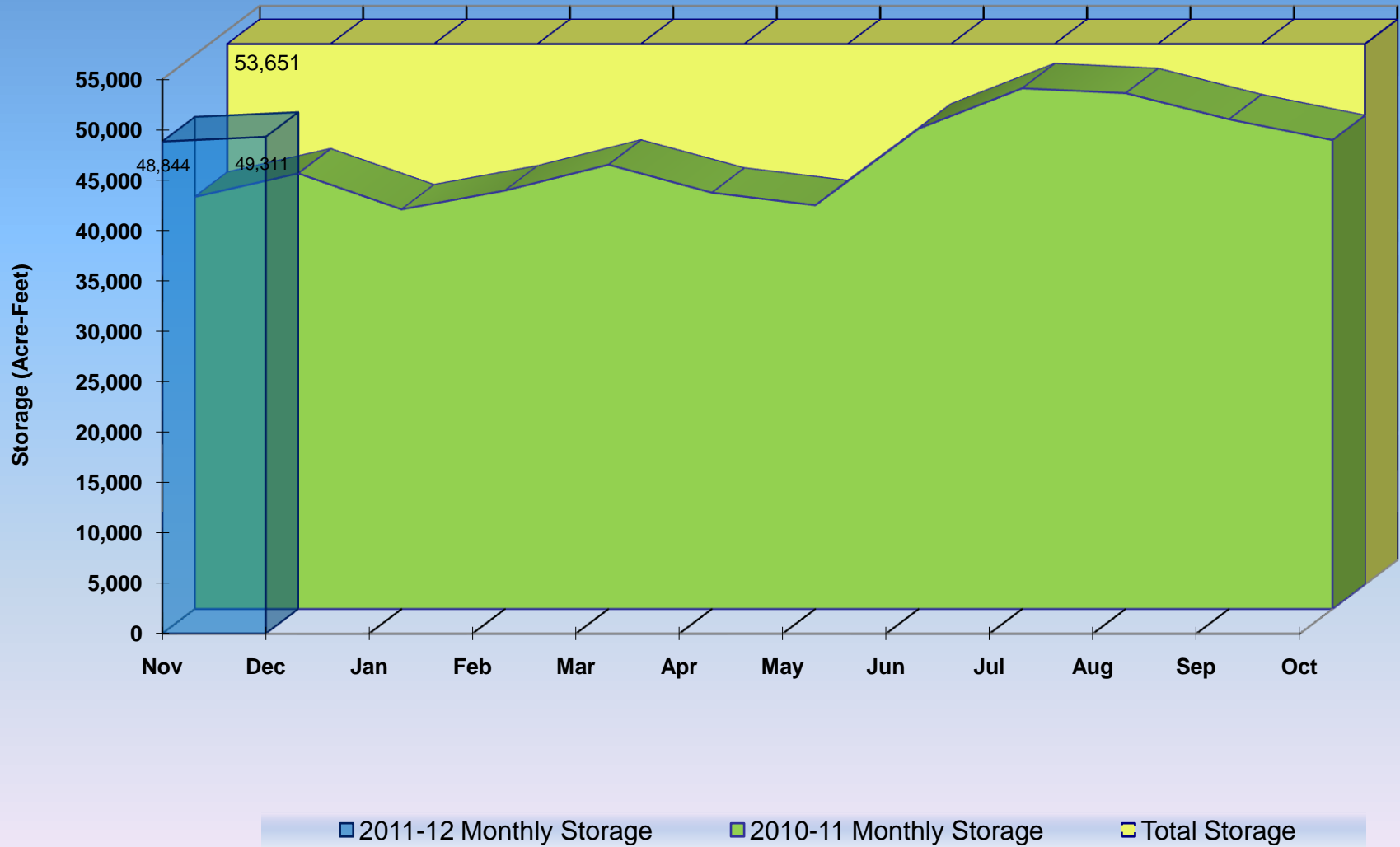
Antero Reservoir (District 23 - Municipal)



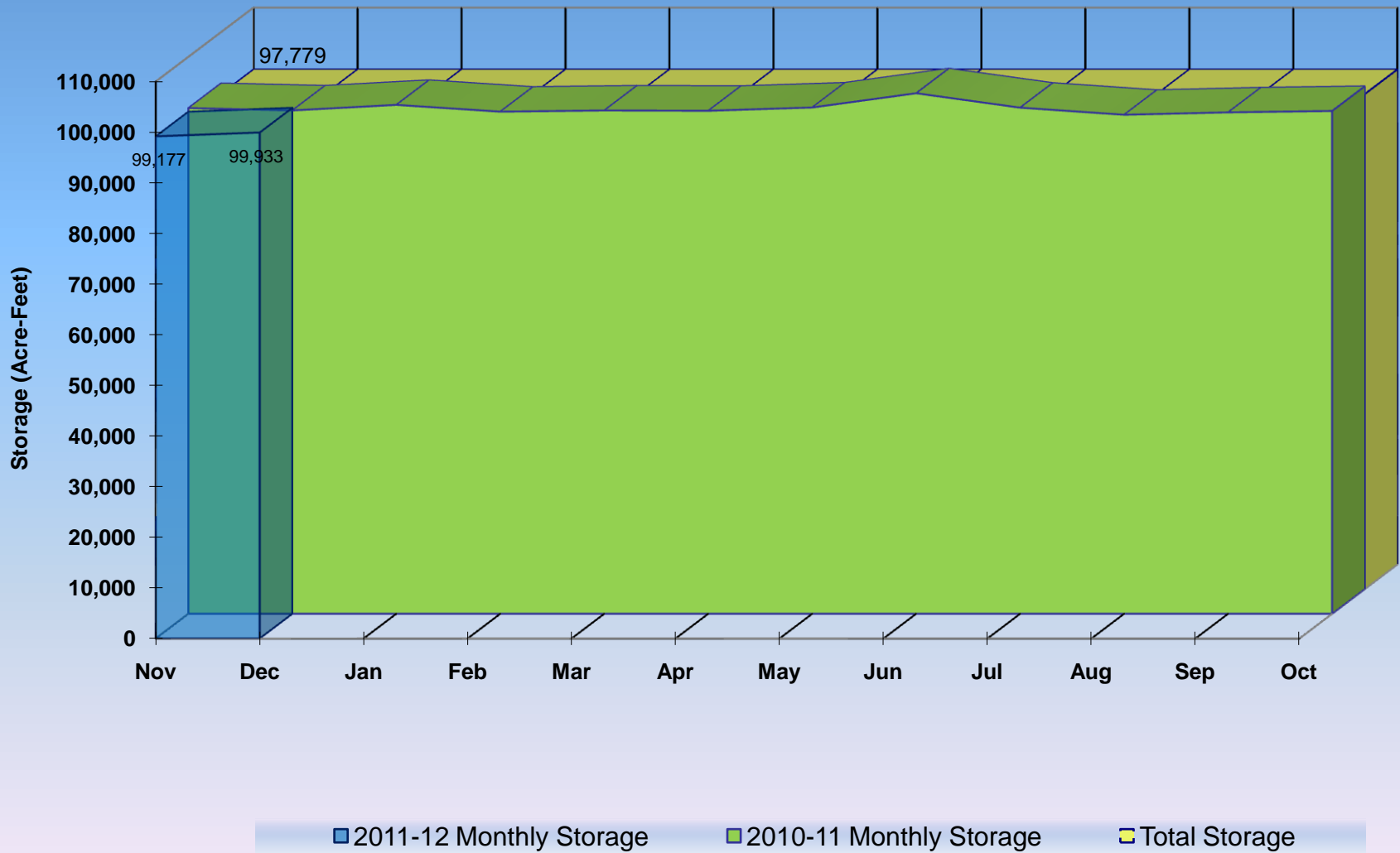
Cheesman Reservoir (District 80 - Municipal)



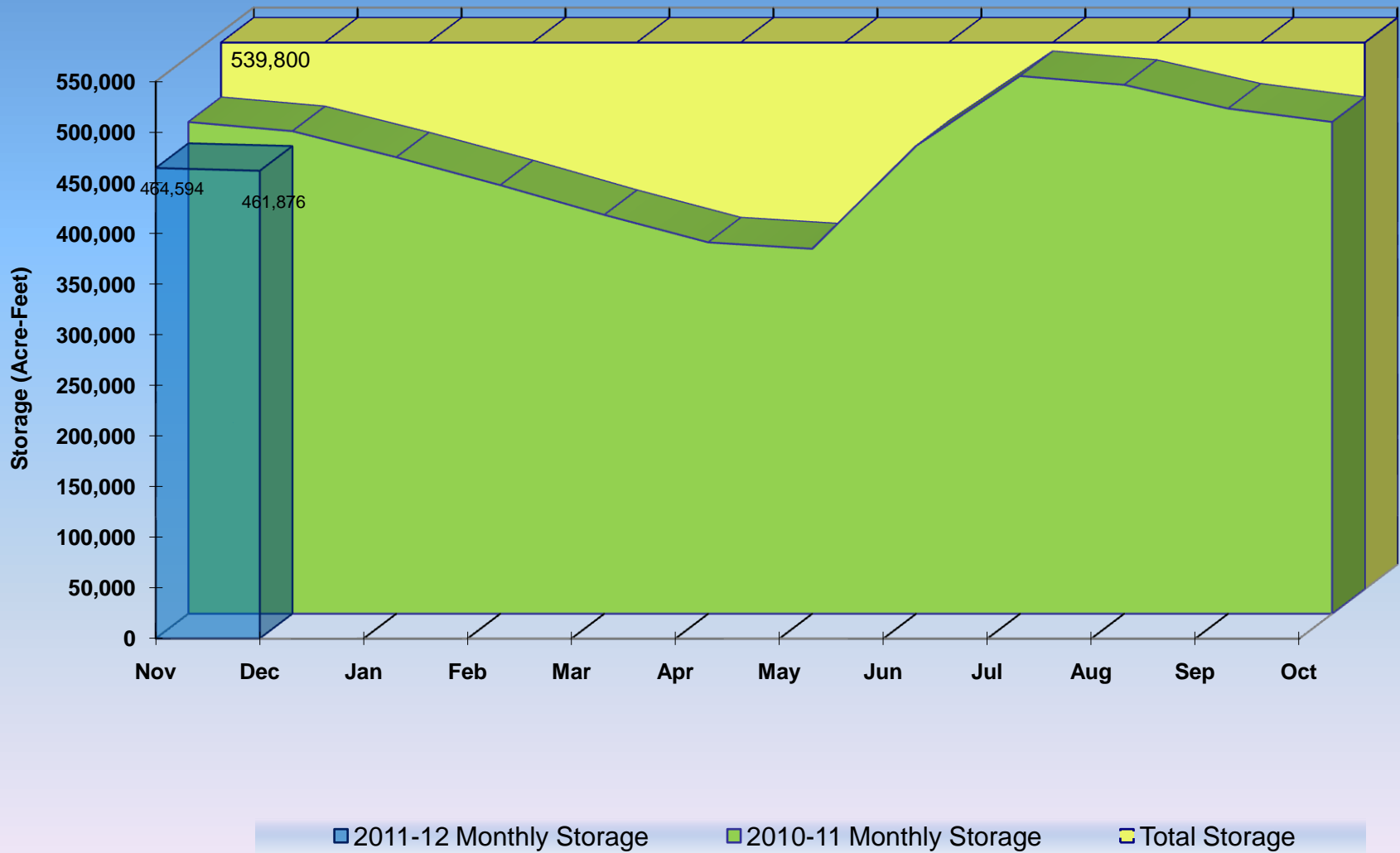
Spinney Mountain Reservoir (District 23 - Municipal)



Eleven Mile Reservoir (District 23 - Municipal)



Lake Granby



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

