

South Platte Summary

May 2012



Grand River Ditch
April 30, 2012



Compiled by Lee Cunning, P.E.

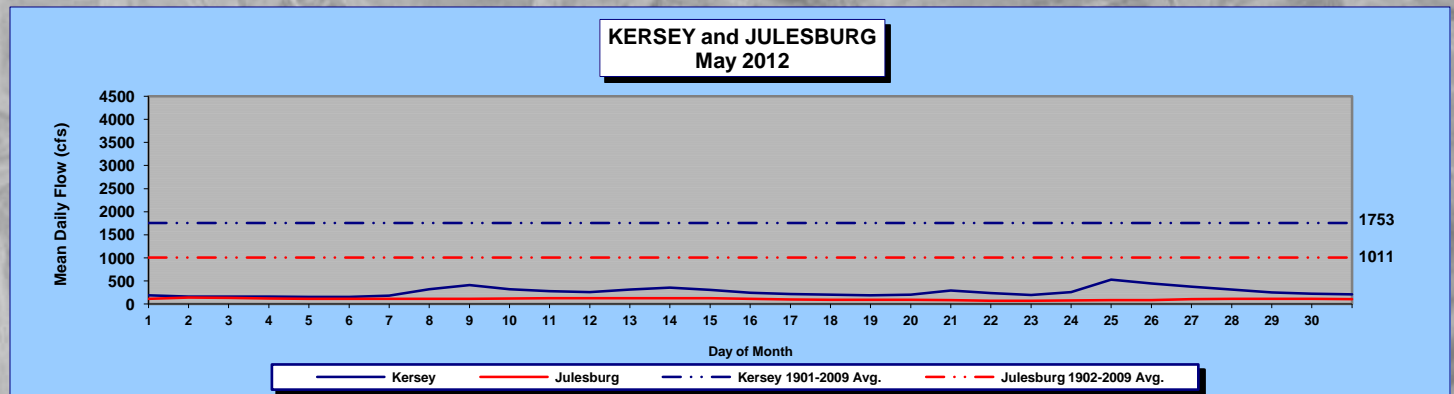
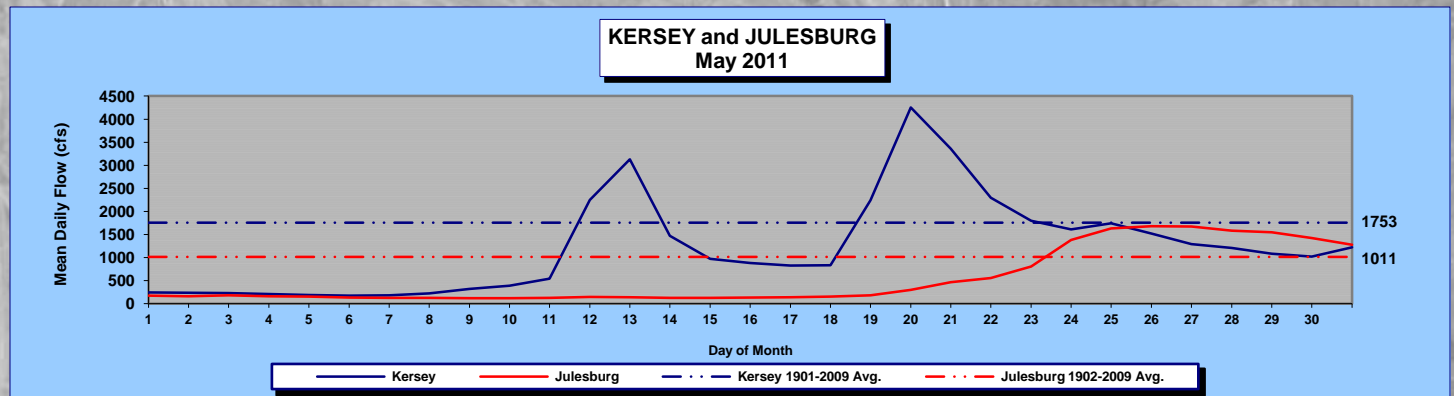
COLORADO DIVISION OF WATER RESOURCES, DIVISION 1

MONTH OF MAY 2012

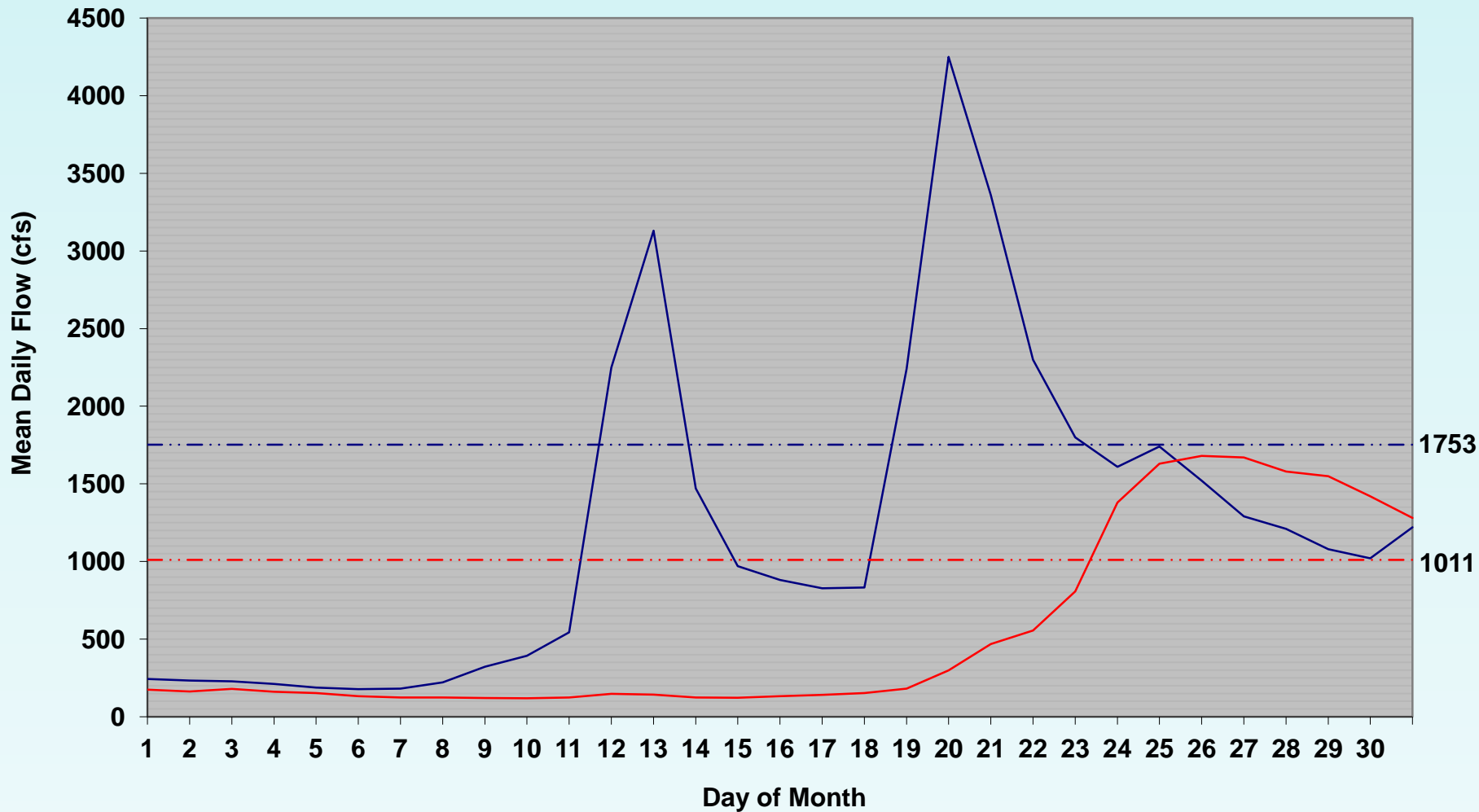
RESERVOIR	FULL ALLOWABLE CAPACITY (ACRE FEET)	FIRST OF MONTH (ACRE FEET)	END OF MONTH (ACRE FEET)	DISTRICT	CHANGE IN STORAGE (ACRE FEET)	% CHANGE IN STORAGE BASED ON FIRST OF MONTH STORAGE	% OF CURRENT FULL ALLOWABLE CAPACITY	% OF CURRENT FULL ALLOWABLE CAPACITY THIS MONTH LAST YEAR	SURCHARGE (ACRE FEET)
JULESBURG	22,666	22,521	21,867	64	-654	-3%	96%	100%	0
N STERLING	73,730	70,742	61,646	64	-9,096	-13%	84%	100%	0
PREWITT	28,500	27,675	24,976	64	-2,699	-10%	88%	100%	0
JACKSON	27,257	27,127	26,181	1	-946	-3%	96%	98%	0
EMPIRE	37,700	34,662	29,078	1	-5,584	-16%	77%	90%	0
RIVERSIDE	63,113	56,988	50,060	1	-6,928	-12%	79%	97%	0
BARR LAKE	32,152	26,927	23,599	2	-3,328	-12%	73%	88%	0
CHEESMAN	79,064	69,678	71,356	80	1,678	2%	90%	85%	0
ELEVEN MILE	97,779	99,727	99,933	23	206	0%	100%	100%	2,154
SPINNEY	53,651	49,780	48,380	23	-1,400	-3%	90%	75%	0
ANTERO	20,015	15,918	15,799	23	-119	-1%	79%	87%	0

RIVER GAGES	MEAN DAILY FLOW (CFS)
KERSEY	264
JULESBURG	109
THIS MONTH LAST YEAR	
KERSEY	1224
JULESBURG	550
MEAN FOR PERIOD OF RECORD*	
KERSEY	1753
JULESBURG	1011

* 1901-2011
1902-2011

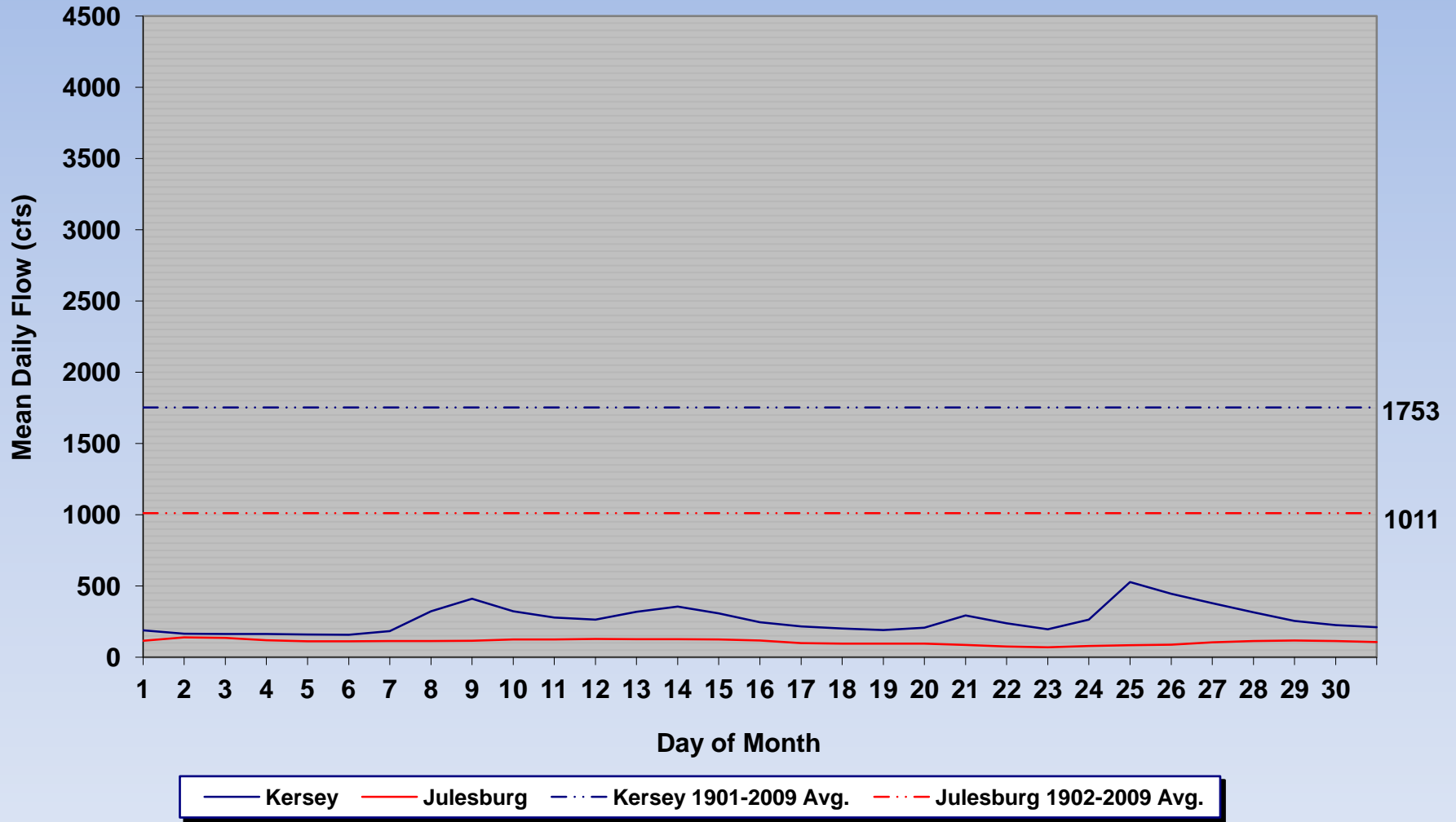


KERSEY and JULESBURG May 2011

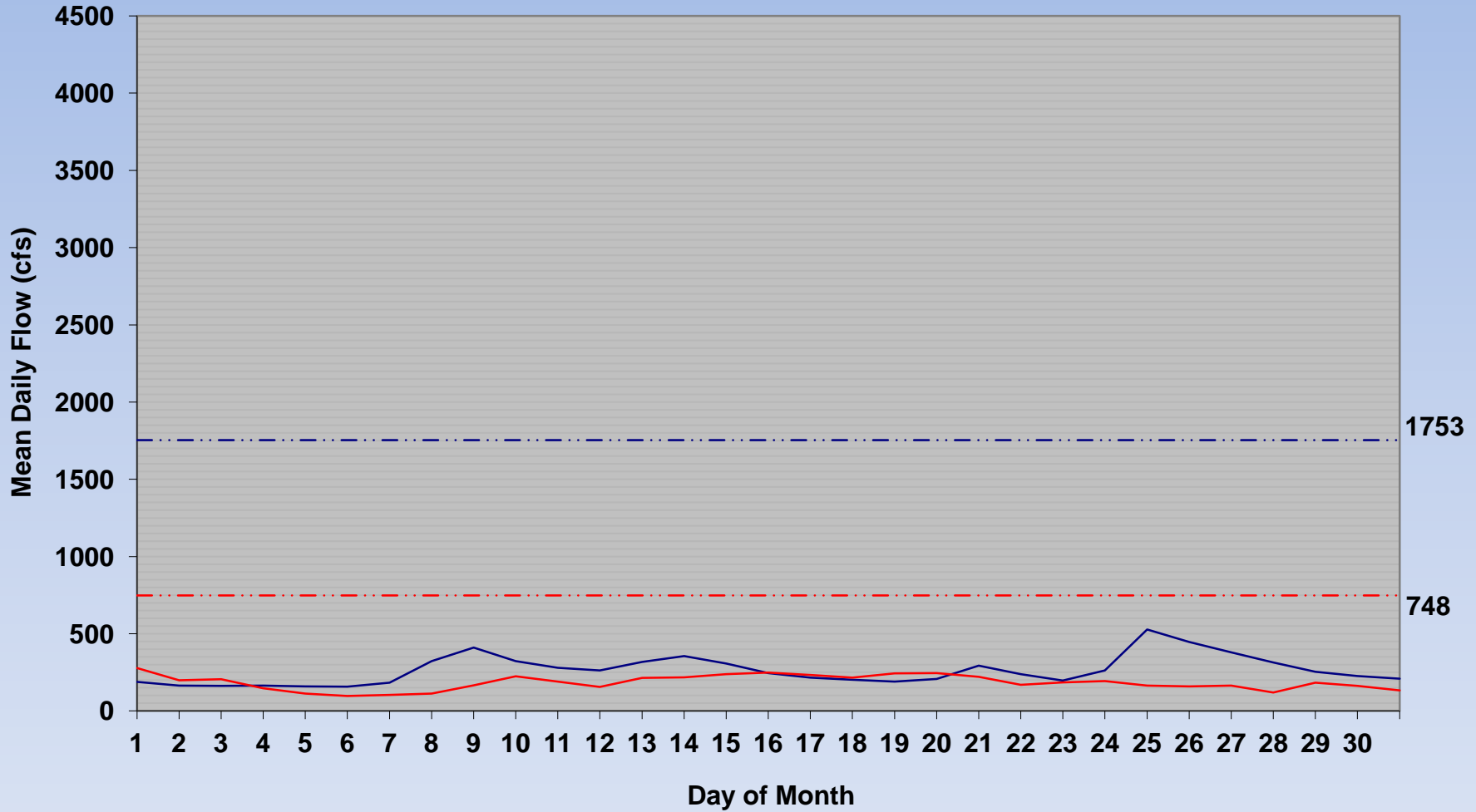


— Kersey — Julesburg - · - Kersey 1901-2009 Avg. - · - Julesburg 1902-2009 Avg.

KERSEY and JULESBURG May 2012



KERSEY and BALZAC May 2012



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

High Park Fire
 First few hours
 June 9, 2012

South Platte River Monthly Stream Flow (cfs) Statistics

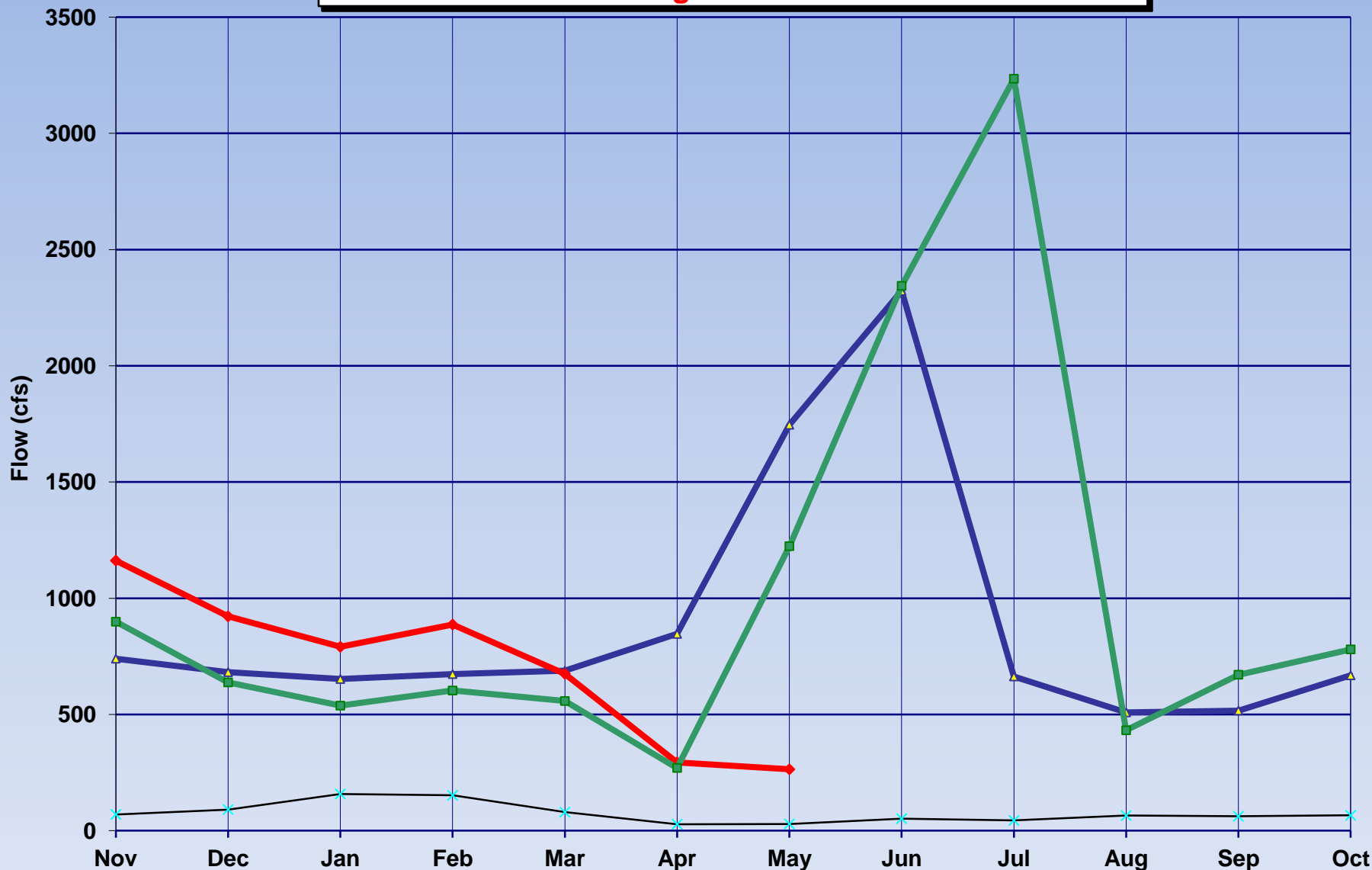
South Platte River at Kersey							South Platte River at Julesburg						
Month	Historic* Mean Flow	Historic* Max Flow	Year	Historic* Min Flow	Year	IY 2012 Mean Monthly Flow	Month	Historic* Mean Flow	Historic* Max Flow	Year	Historic* Min Flow	Year	IY 2012 Mean Monthly Flow
Nov	740	3650	1984	70	1934	1162	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	791	Jan	509	2510	1970	21	2003	1049
Feb	674	3060	1914	152	1935	887	Feb	582	3220	1930	29	2005	1066
Mar	688	3470	1983	80	1935	675	Mar	522	12900	1910	15	1904	422
Apr	846	18100	1942	28	1955	294	Apr	523	14400	1942	4.0	1904	146
May	1746	26100	1973	29	1955	264	May	1003	18100	1973	12	1911	109
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 1902-2011

*Period of record 1902-2011

South Platte River at Kersey

Irrigation Year

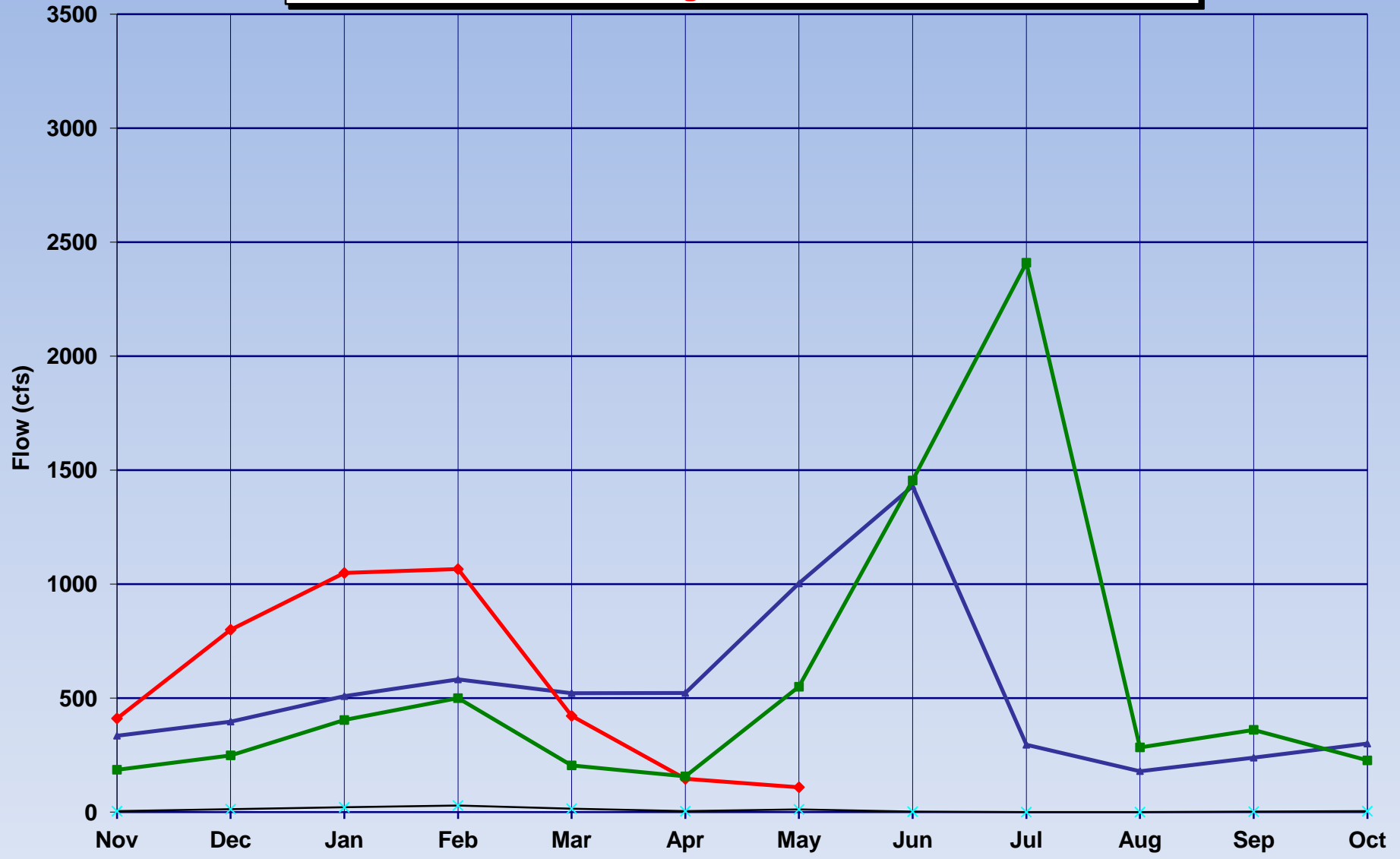


Historic* Mean Flow Historic* Min Flow 2011-2012 Mean Flow 2010-2011 Mean Flow

*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

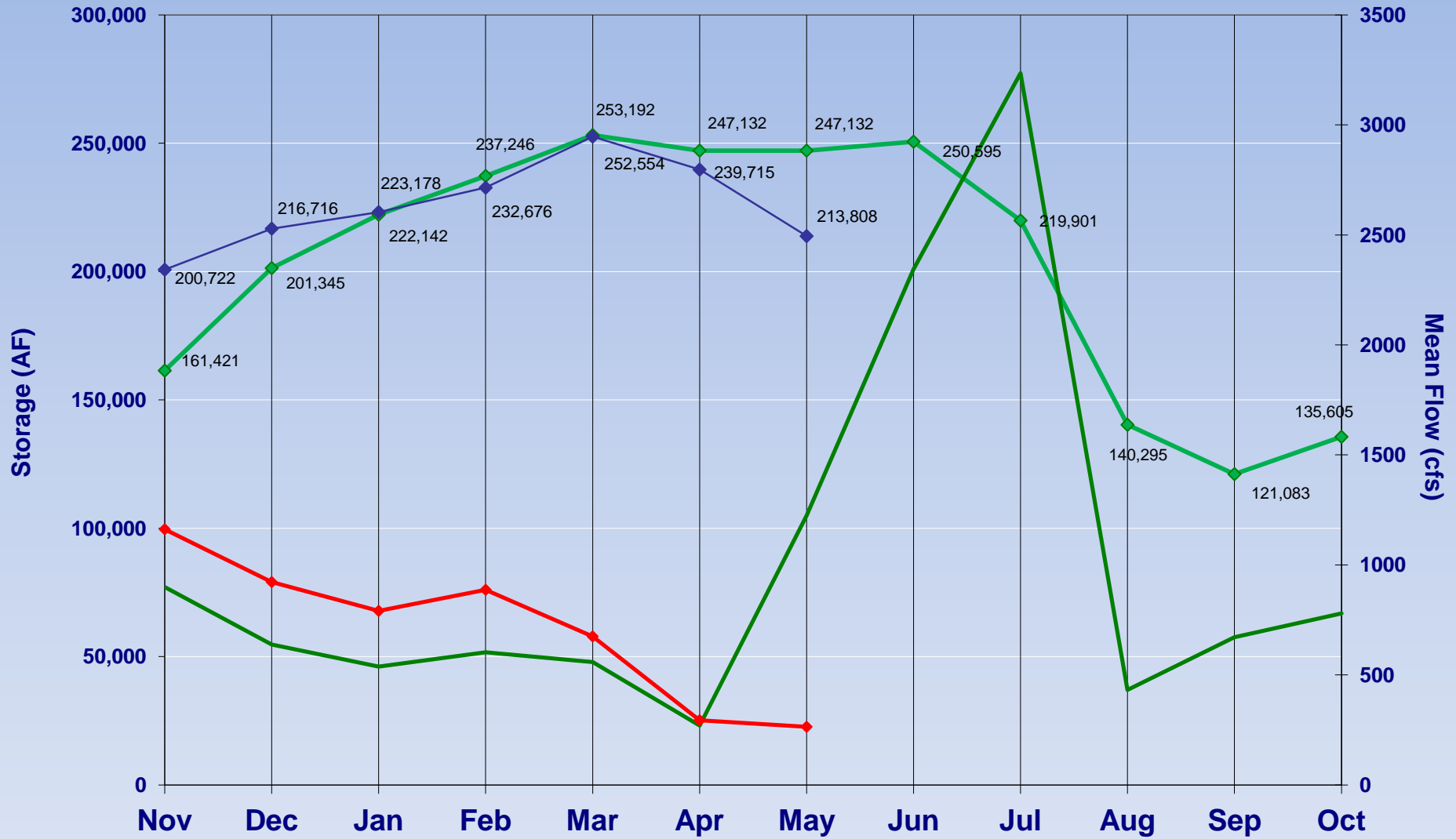


**Next four slides show Reservoir
Storage above and below Kersey**

Momma Moose and
Family
Photo by: Lee Cunning

Reservoir Storage below Kersey

Selected Reservoirs*



◆ 2010-11 Monthly Storage

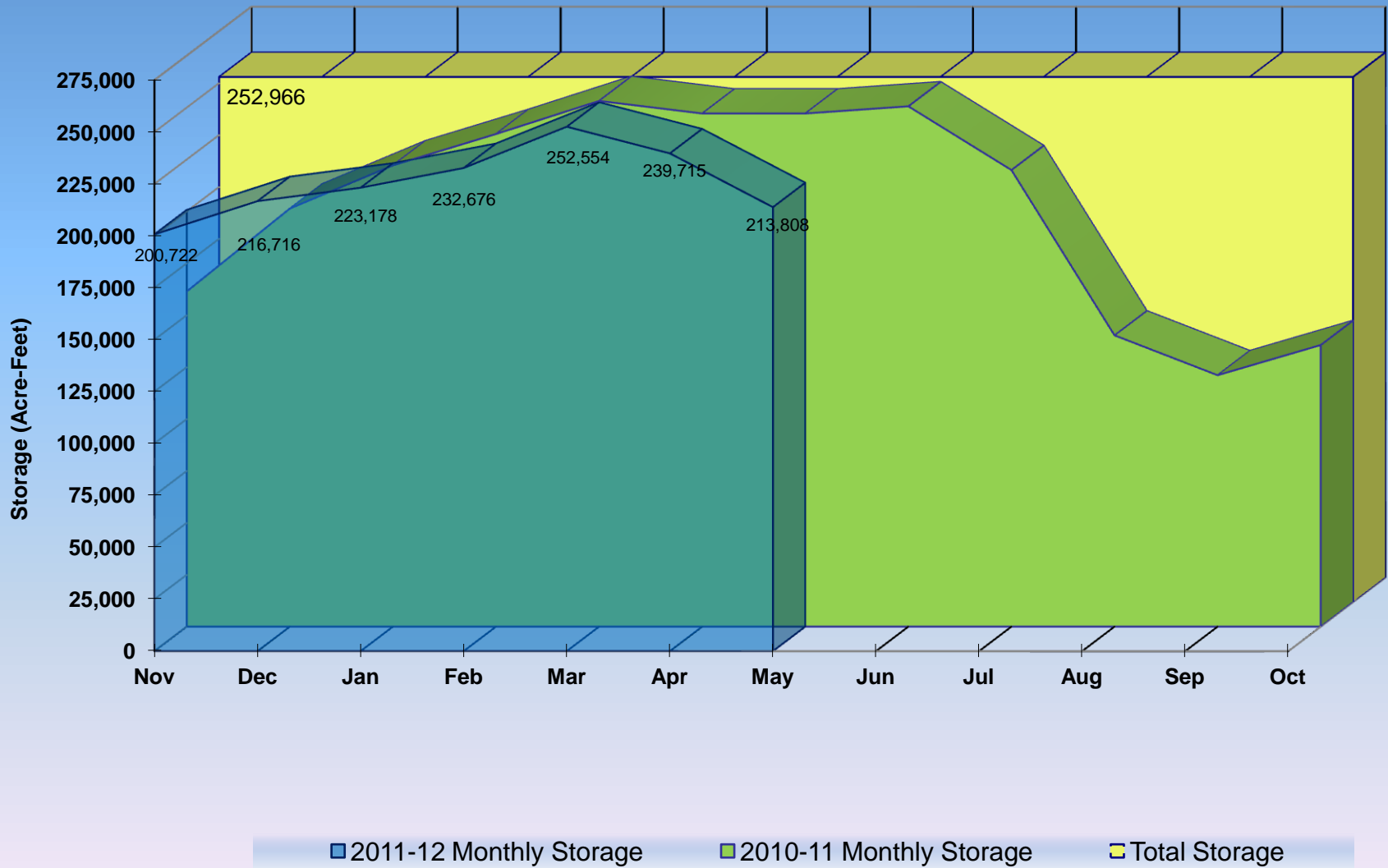
◆ 2011-12 Monthly Storage

— Kersey 2010-11

— Kersey 2011-12

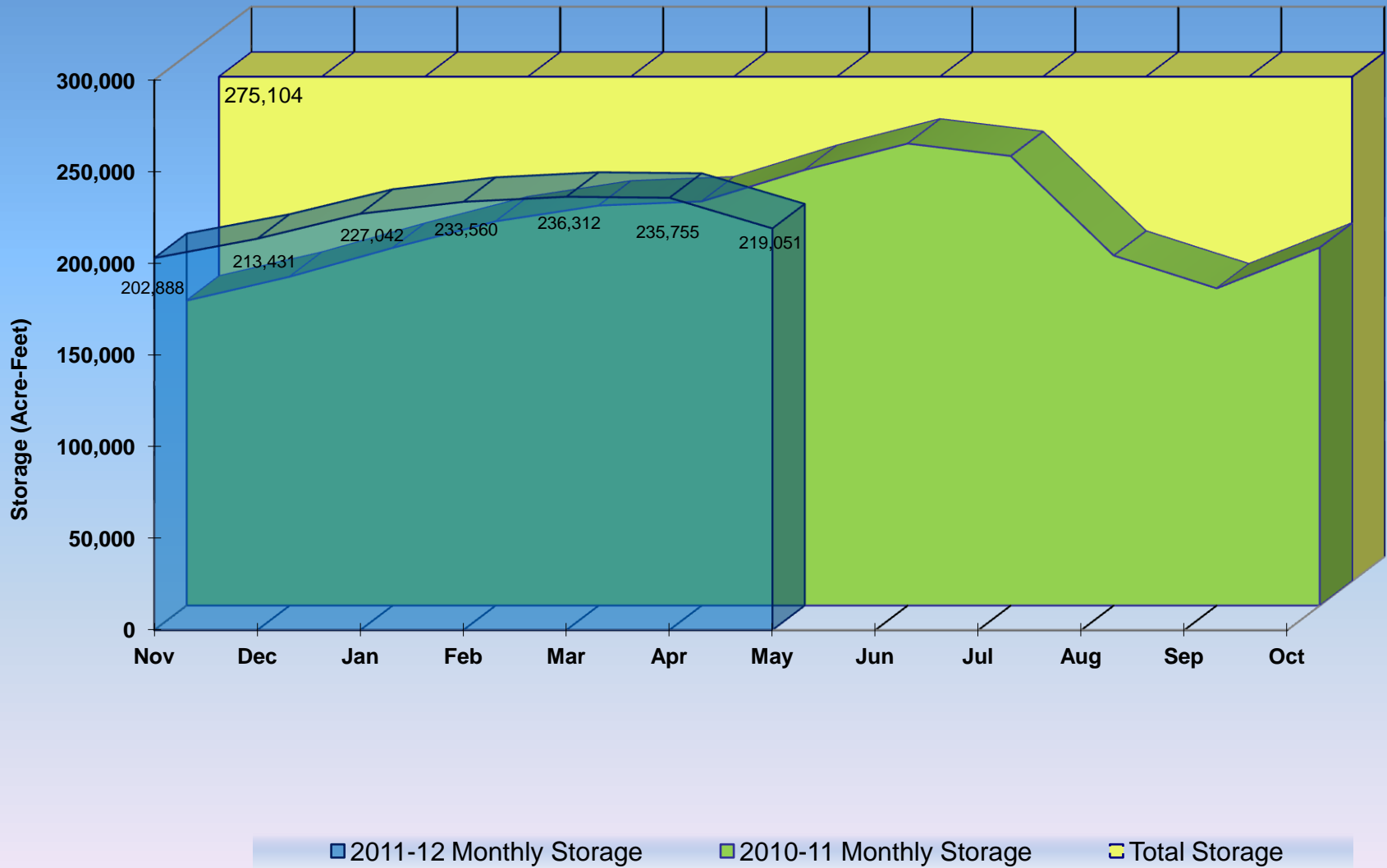
*Empire, Riverside, Jackson, Prewitt, North Sterling, & Julesburg

South Platte Reservoir Storage below Kersey*



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

South Platte Reservoir Storage above Kersey*

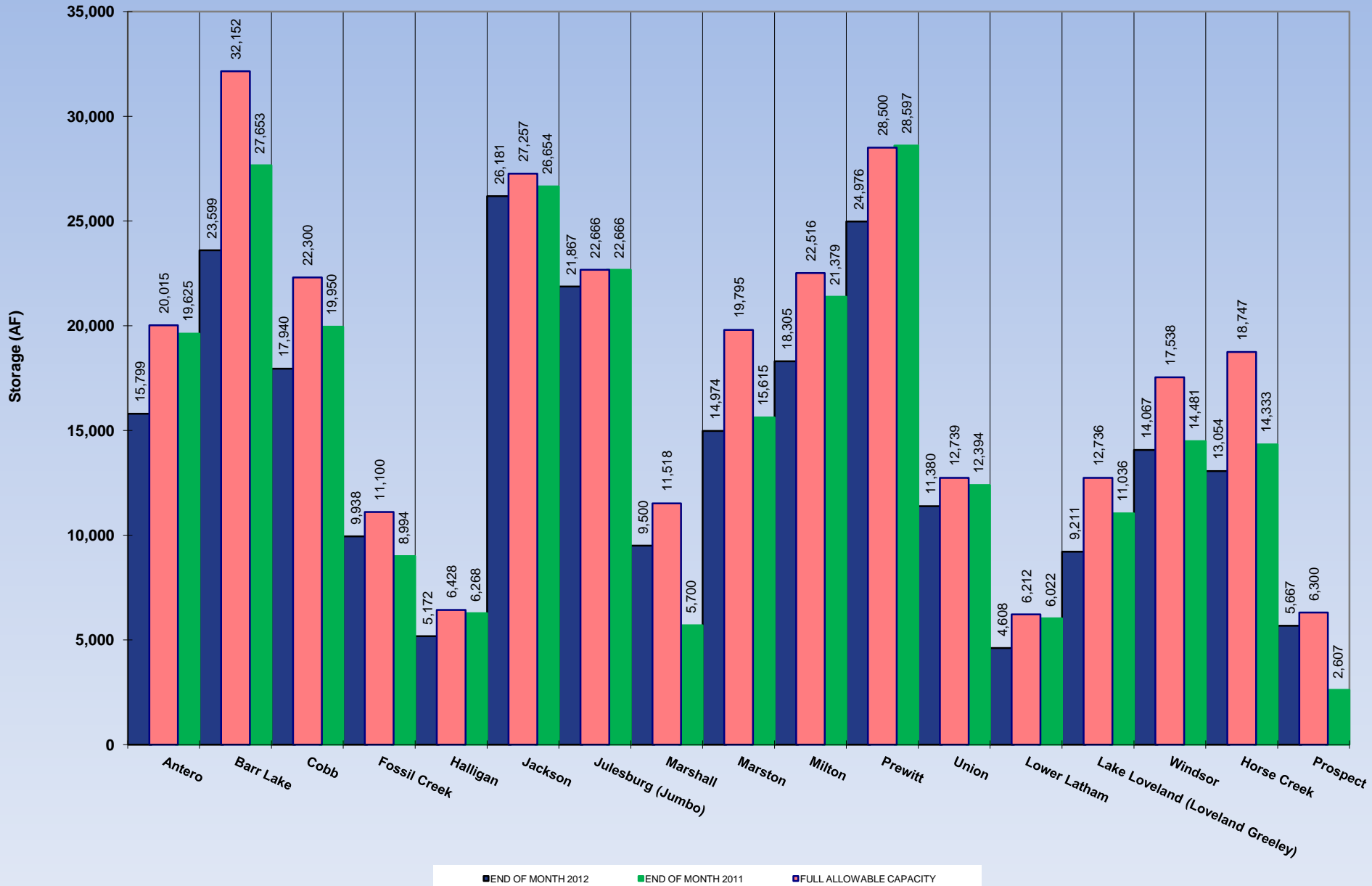


*Barr, Cobb, Fossil Crk, Halligan, Marshall, Milton, Union, Standley, Lower Latham, Boyd, Loveland, Windsor, Horse Crk, & Prospect

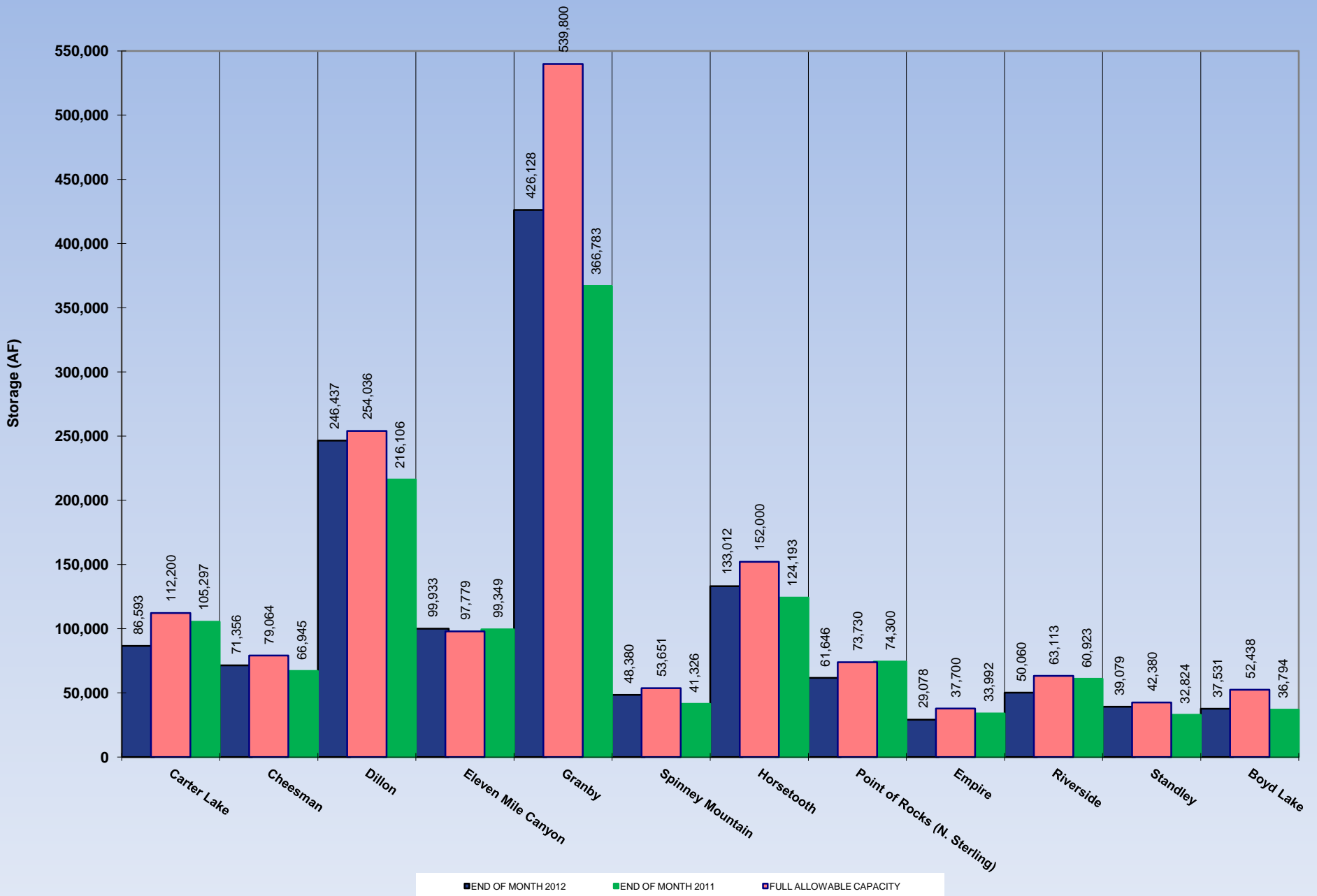
Individual Reservoir Storage Follows



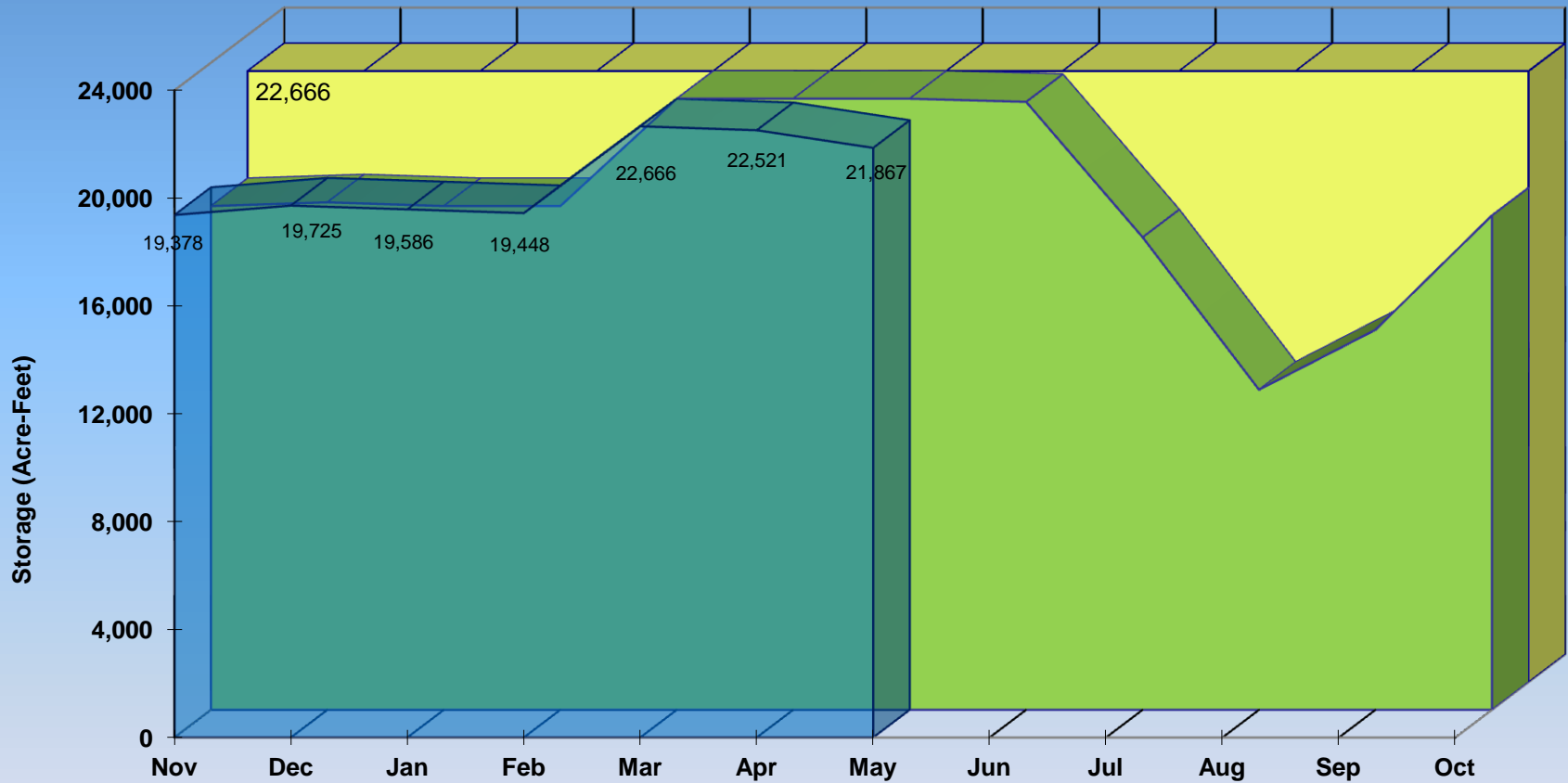
May Reservoir Change in Storage 2011 versus 2012



May Reservoir Change in Storage 2011 versus 2012



Julesburg Reservoir (District 64 - Agricultural)

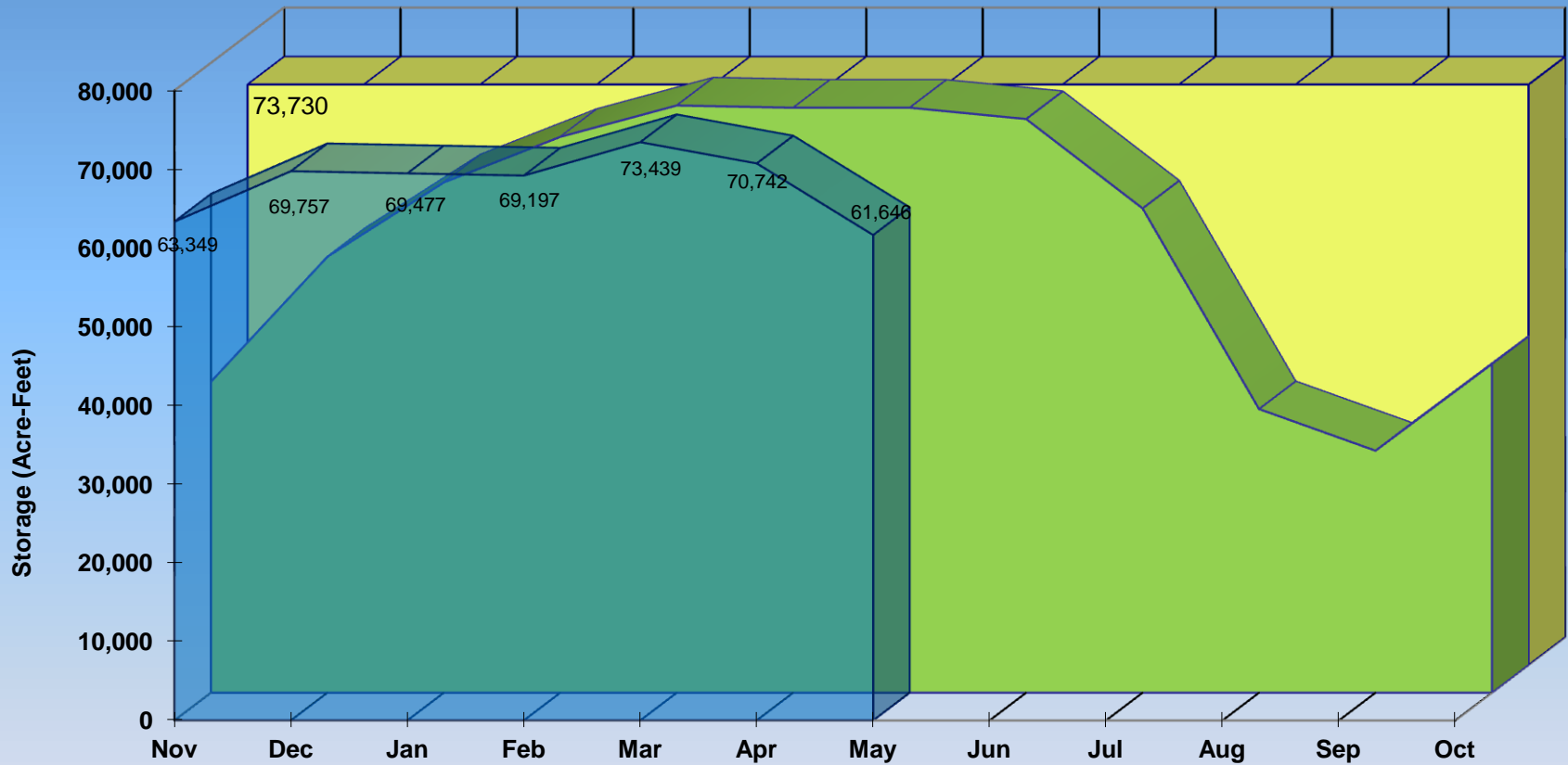


2011-12 Monthly Storage

2010-11 Monthly Storage

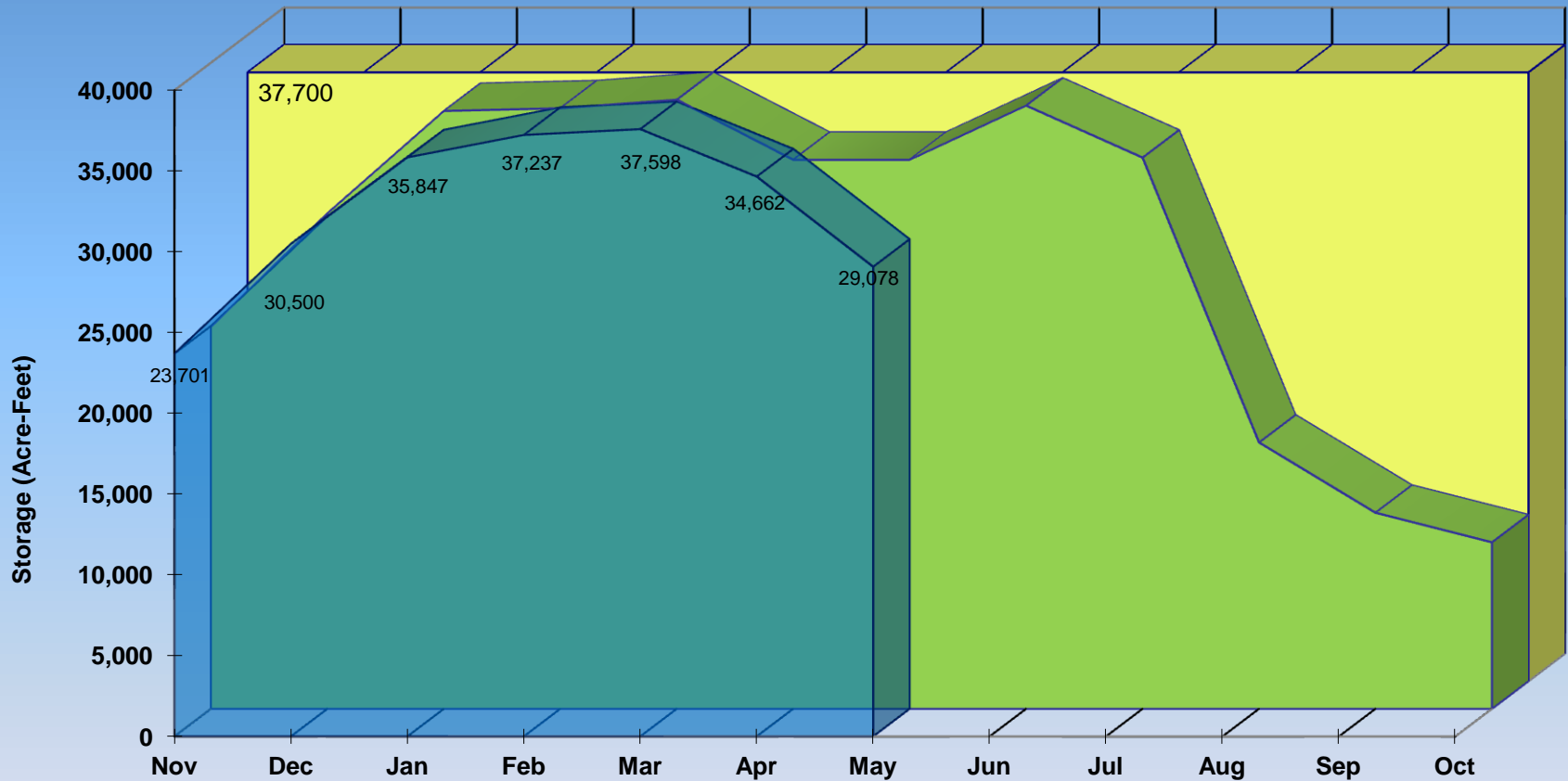
Total Storage

North Sterling Reservoir (District 64- Agricultural)



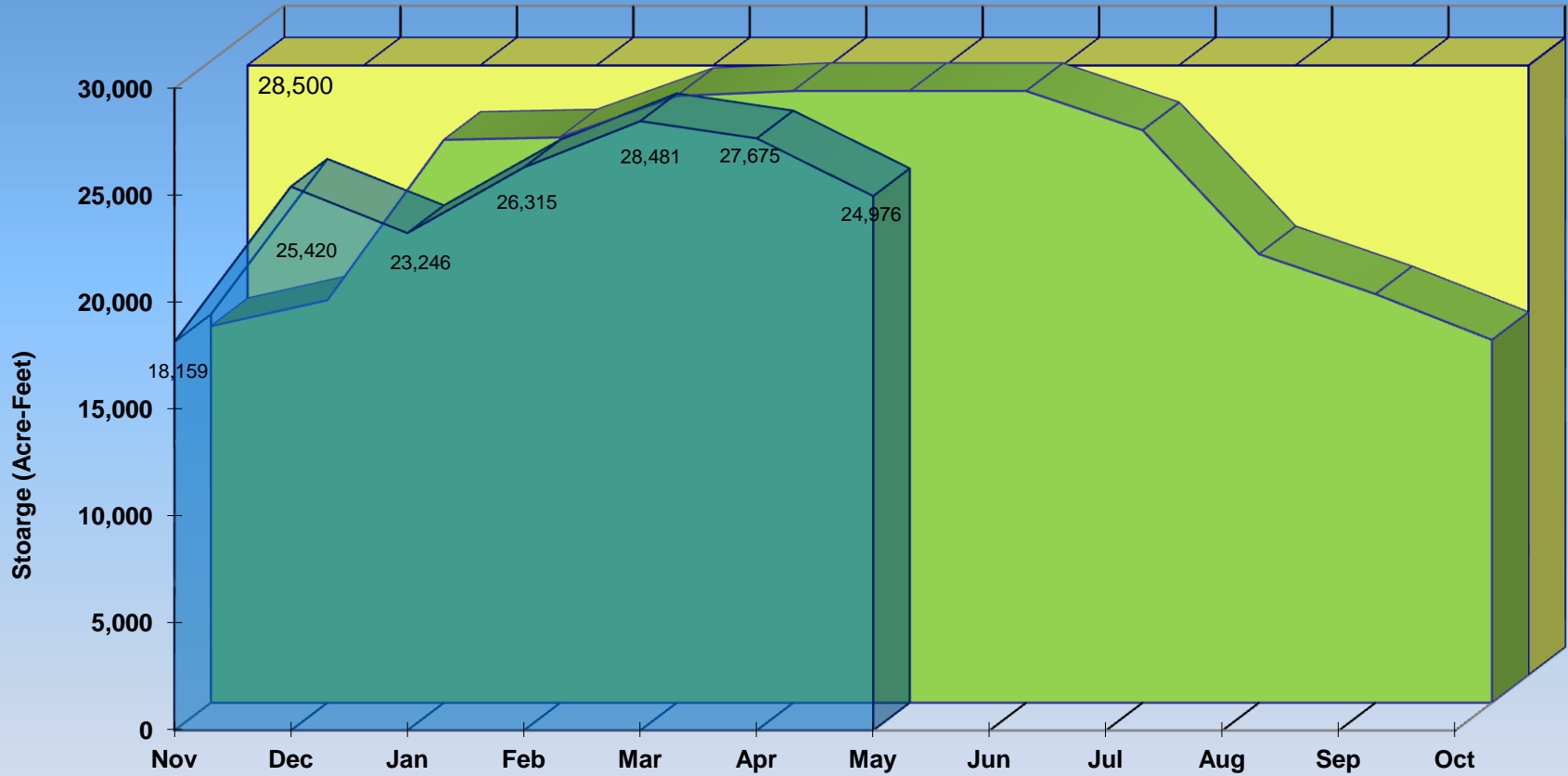
■ 2011-12 Monthly Storage
 ■ 2010-11 Monthly Storage
 ■ Total Storage

Empire Reservoir (District 1- Agricultural)



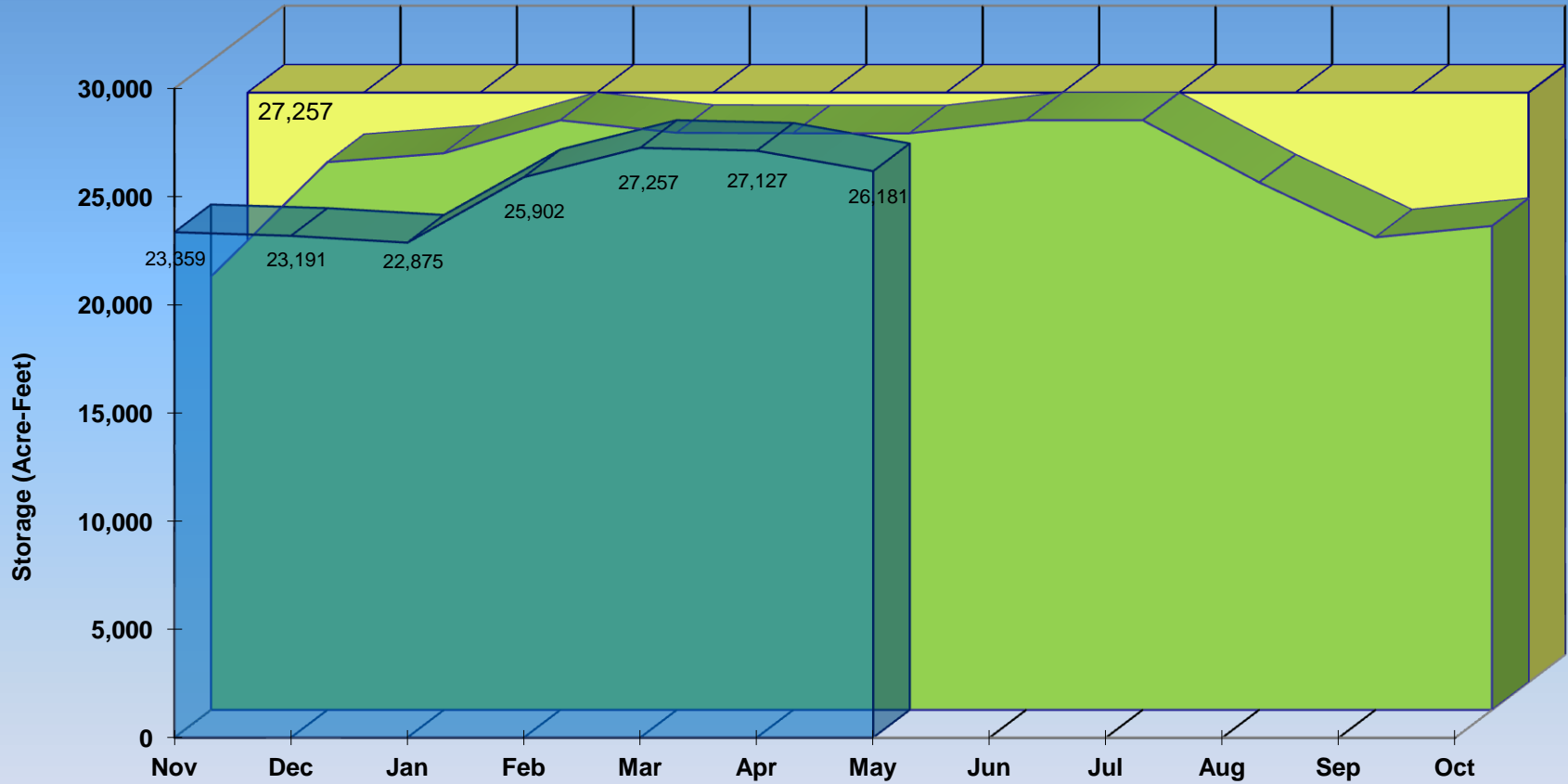
■ 2011-12 Monthly Storage
 ■ 2010-11 Monthly Storage
 ■ Total Storage

Prewitt Reservoir (District 64- Agricultural)



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

Jackson Reservoir (District 1- Agricultural)

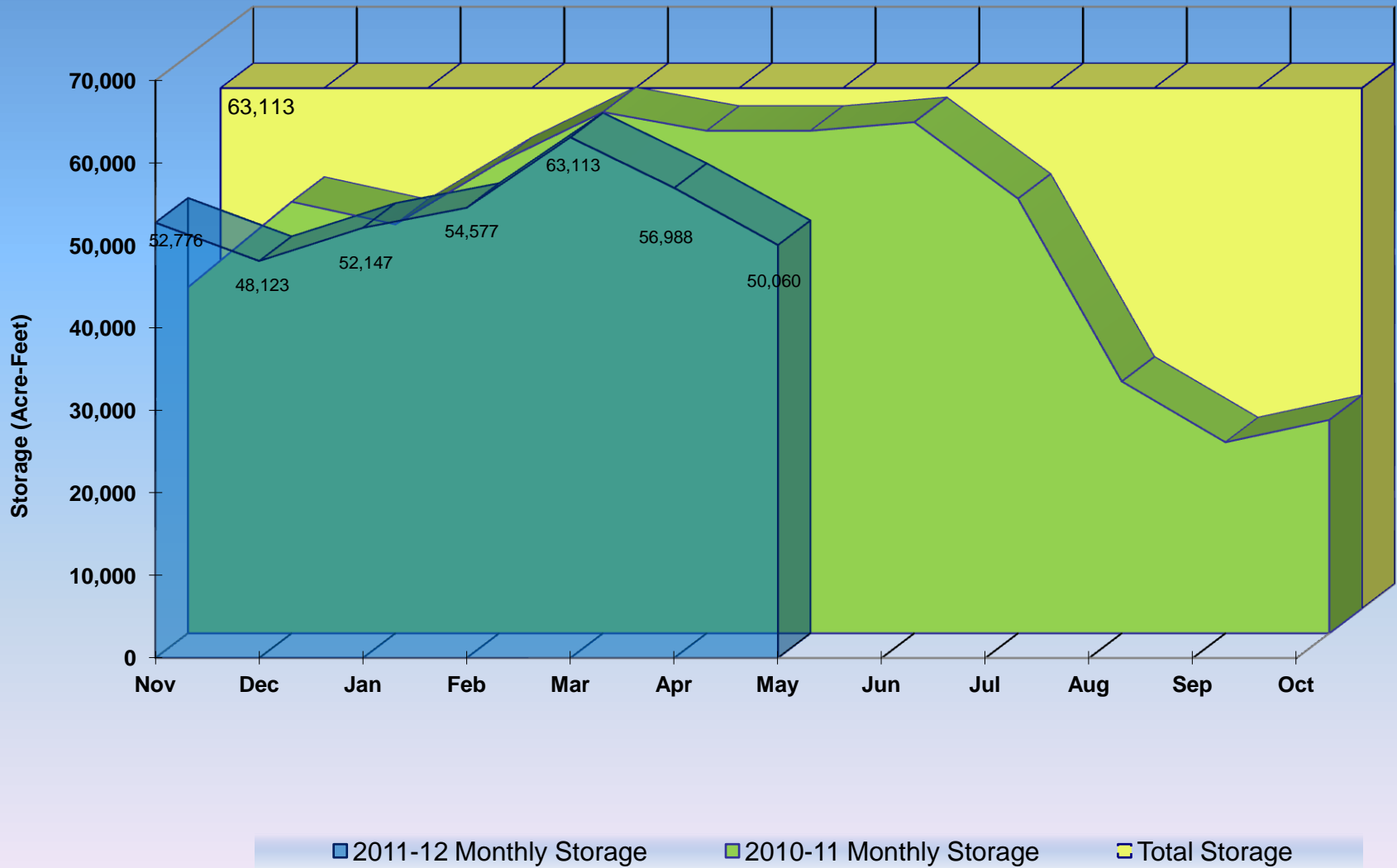


2011-12 Monthly Storage

2010-11 Monthly Storage

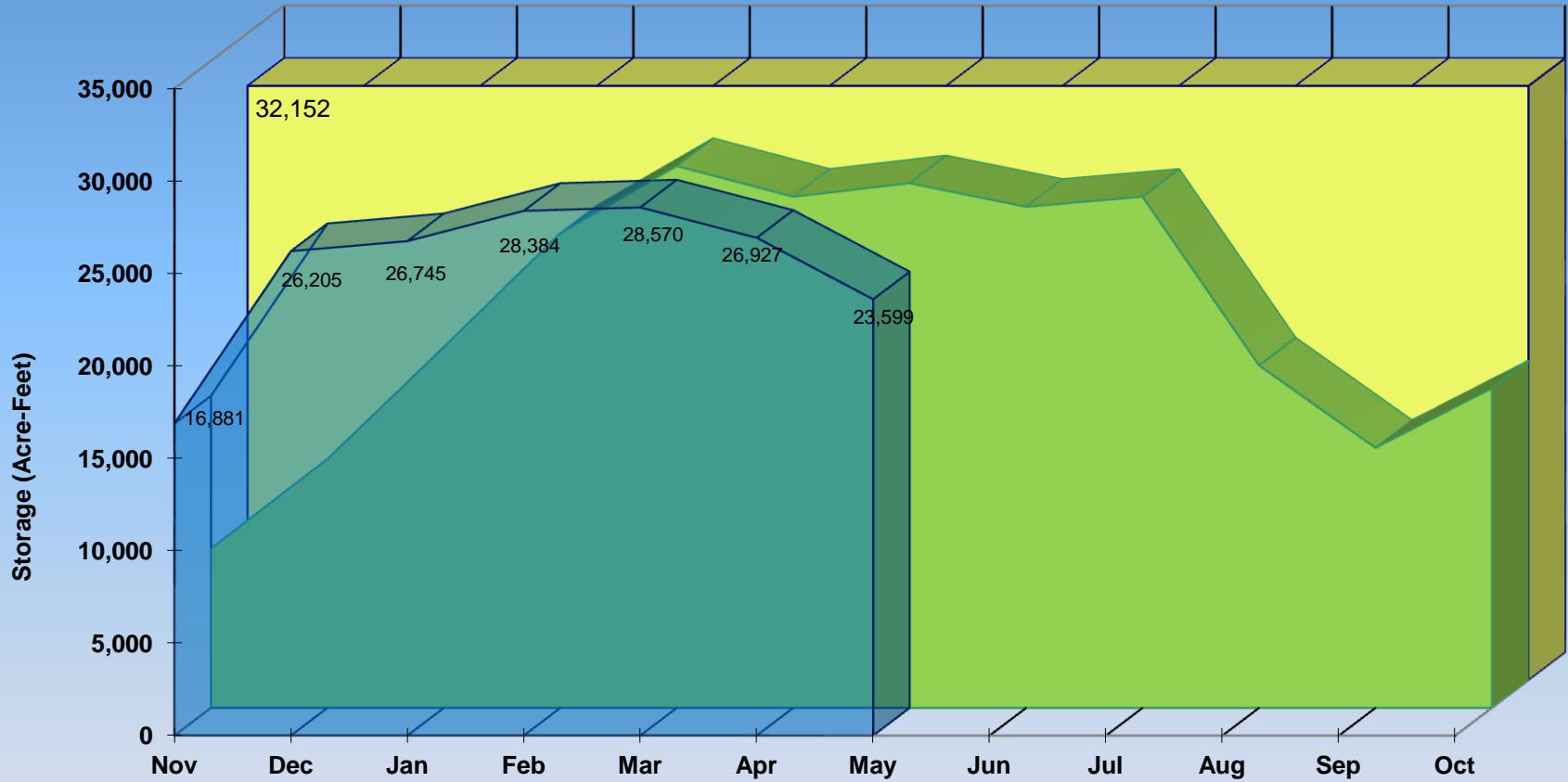
Total Storage

Riverside Reservoir (District 1 - Agricultural)



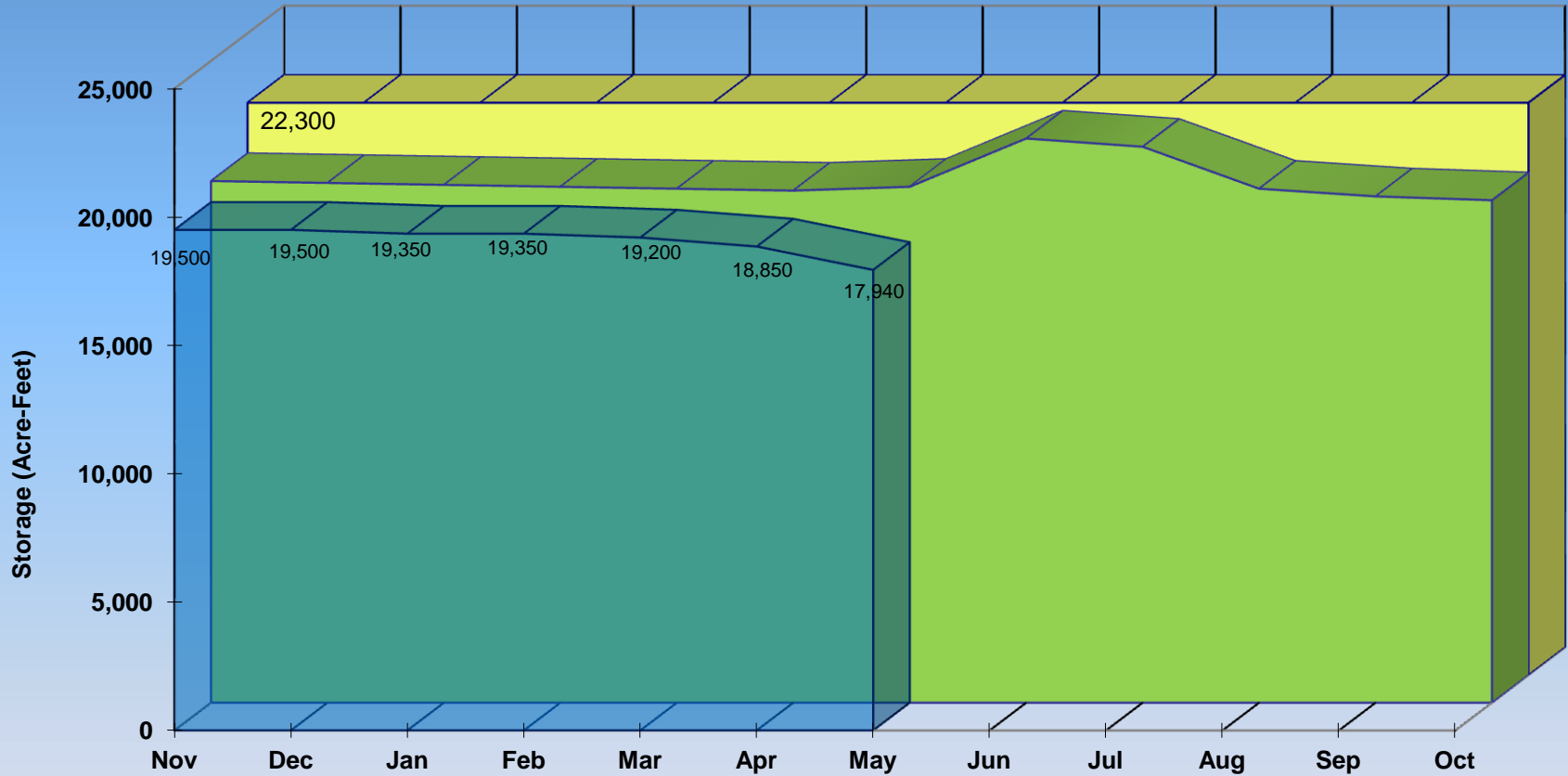
Barr Lake

(District 2 - Agricultural)



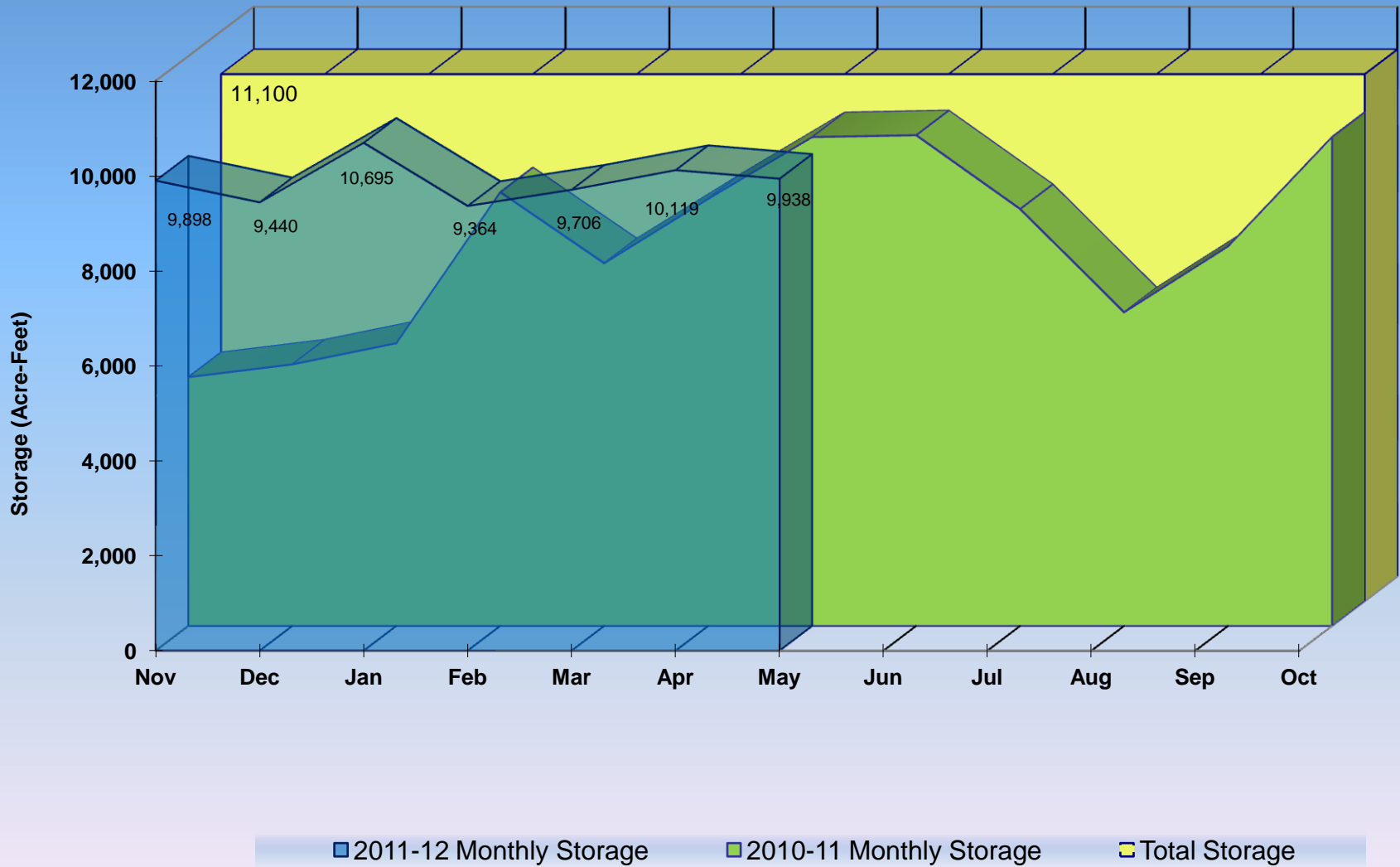
■ 2011-12 Monthly Storage
 ■ 2010-11 Monthly Storage
 ■ Total Storage

Cobb Lake (District 3, Poudre River - Agricultural)

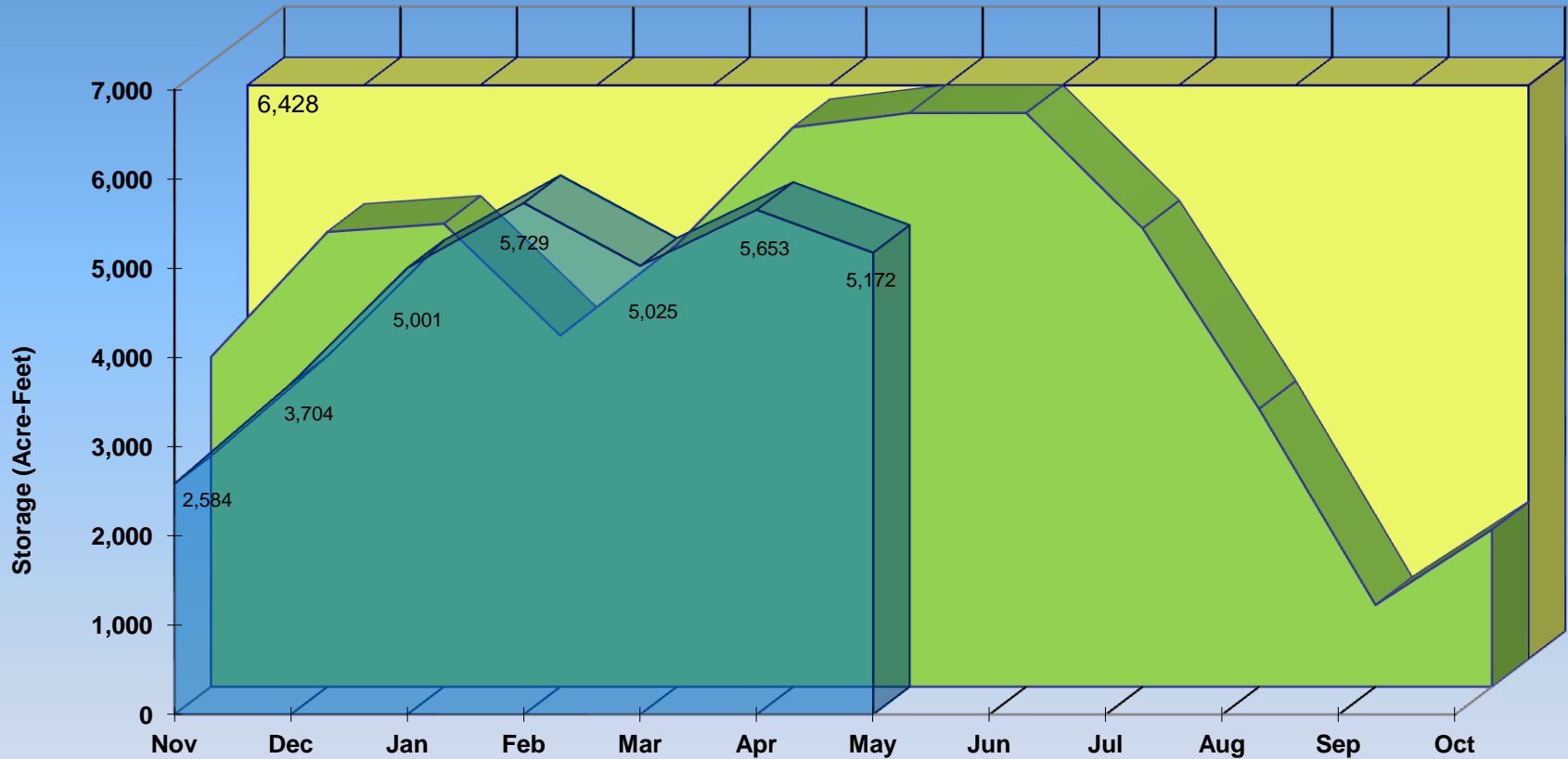


■ 2011-12 Monthly Storage
 ■ 2010-11 Monthly Storage
 ■ Total Storage

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



Halligan Reservoir (District 3, Poudre River - Agricultural)

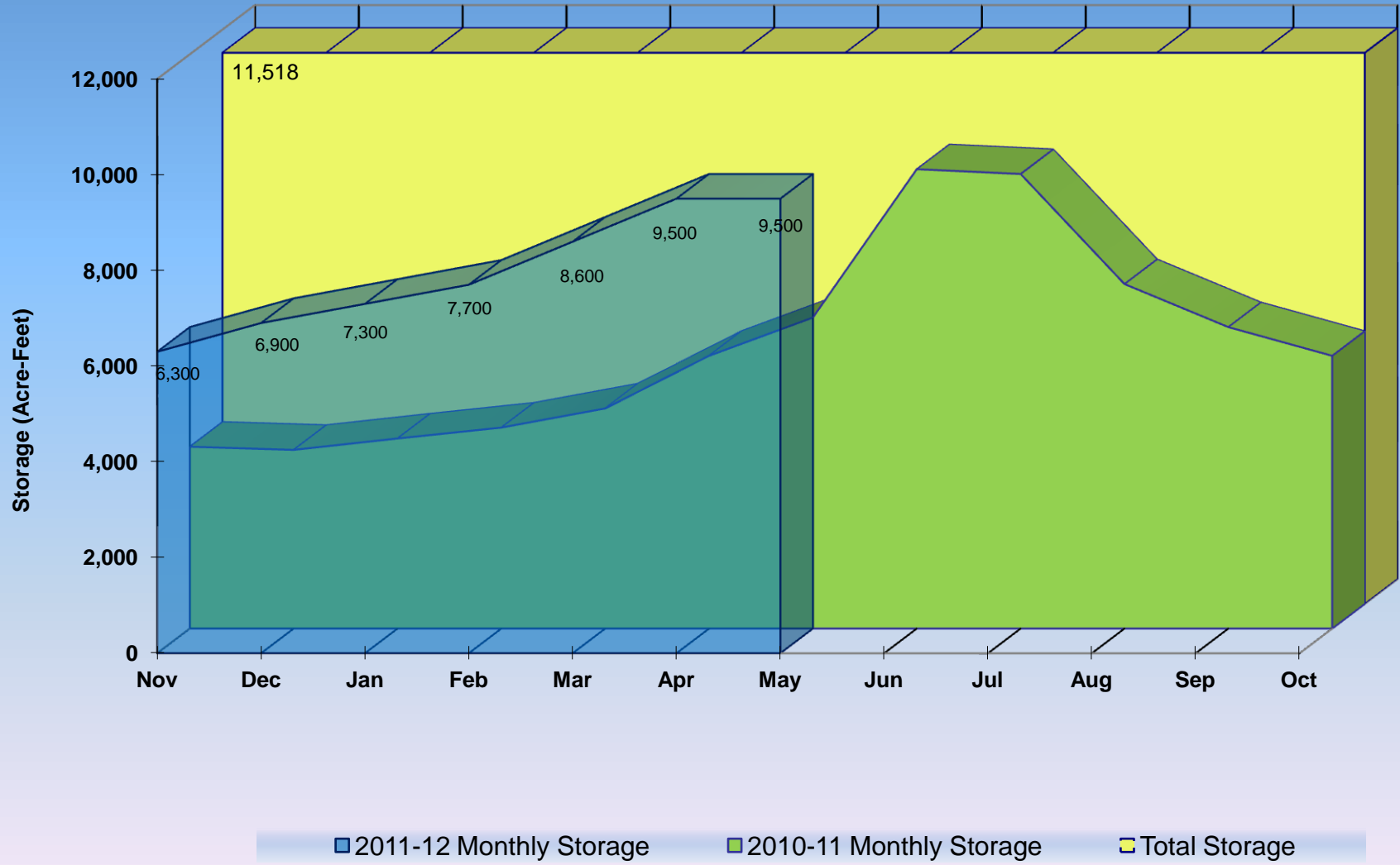


2011-12 Monthly Storage

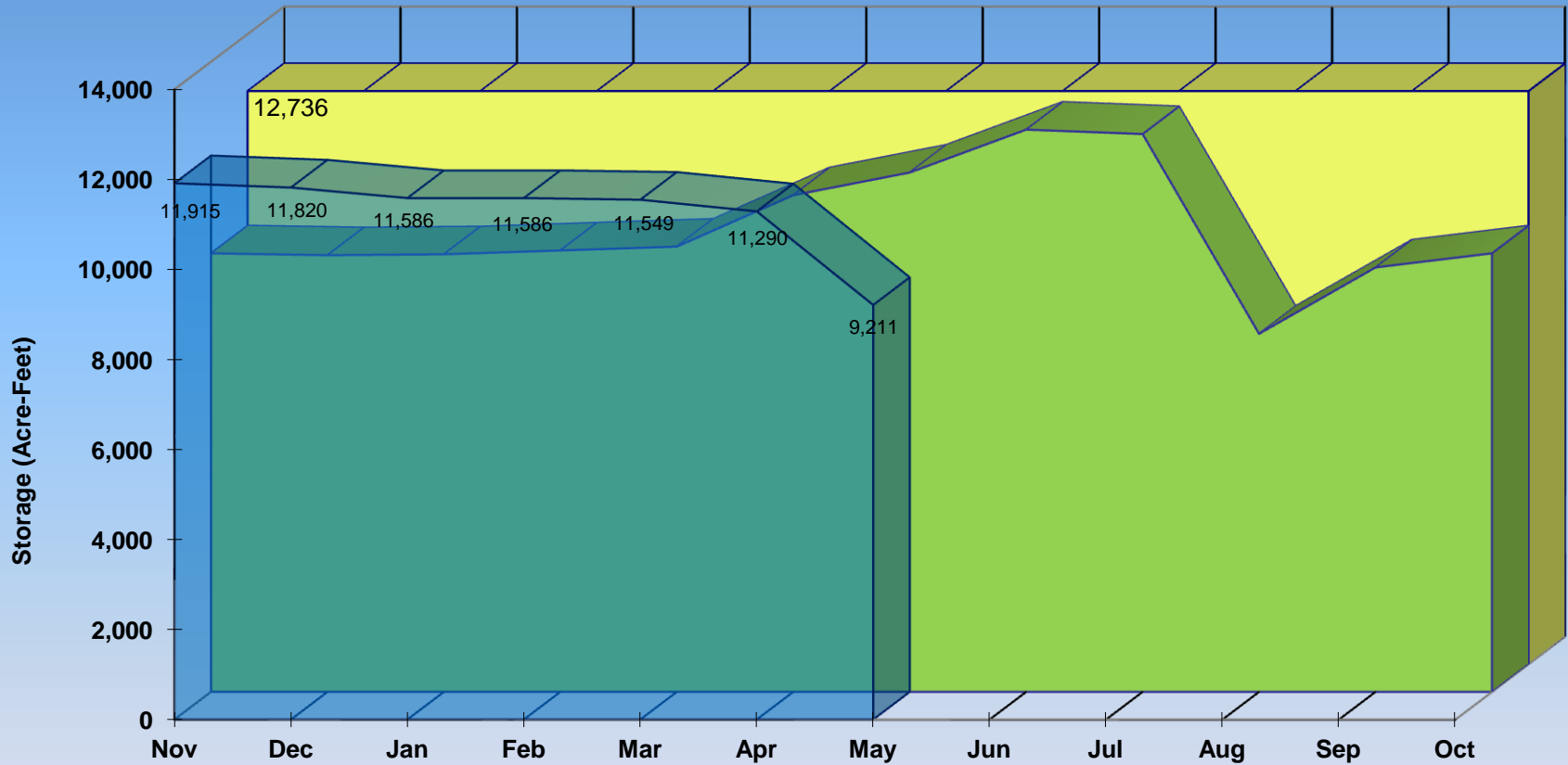
2010-11 Monthly Storage

Total Storage

Marshall Lake (District 6, Boulder Creek - Agricultural)

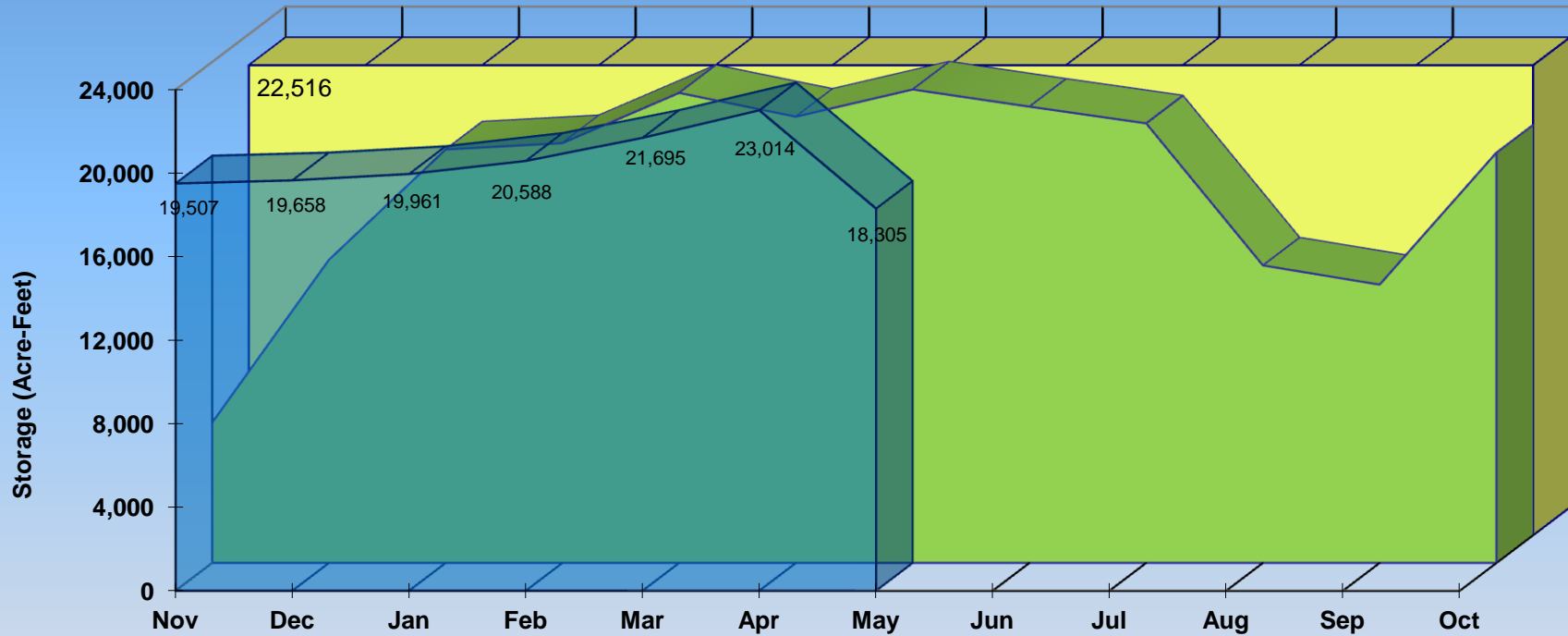


Loveland Greeley Reservoir (District 4, Big Thompson River - Agricultural)



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

Milton Reservoir (District 2 - Agricultural)

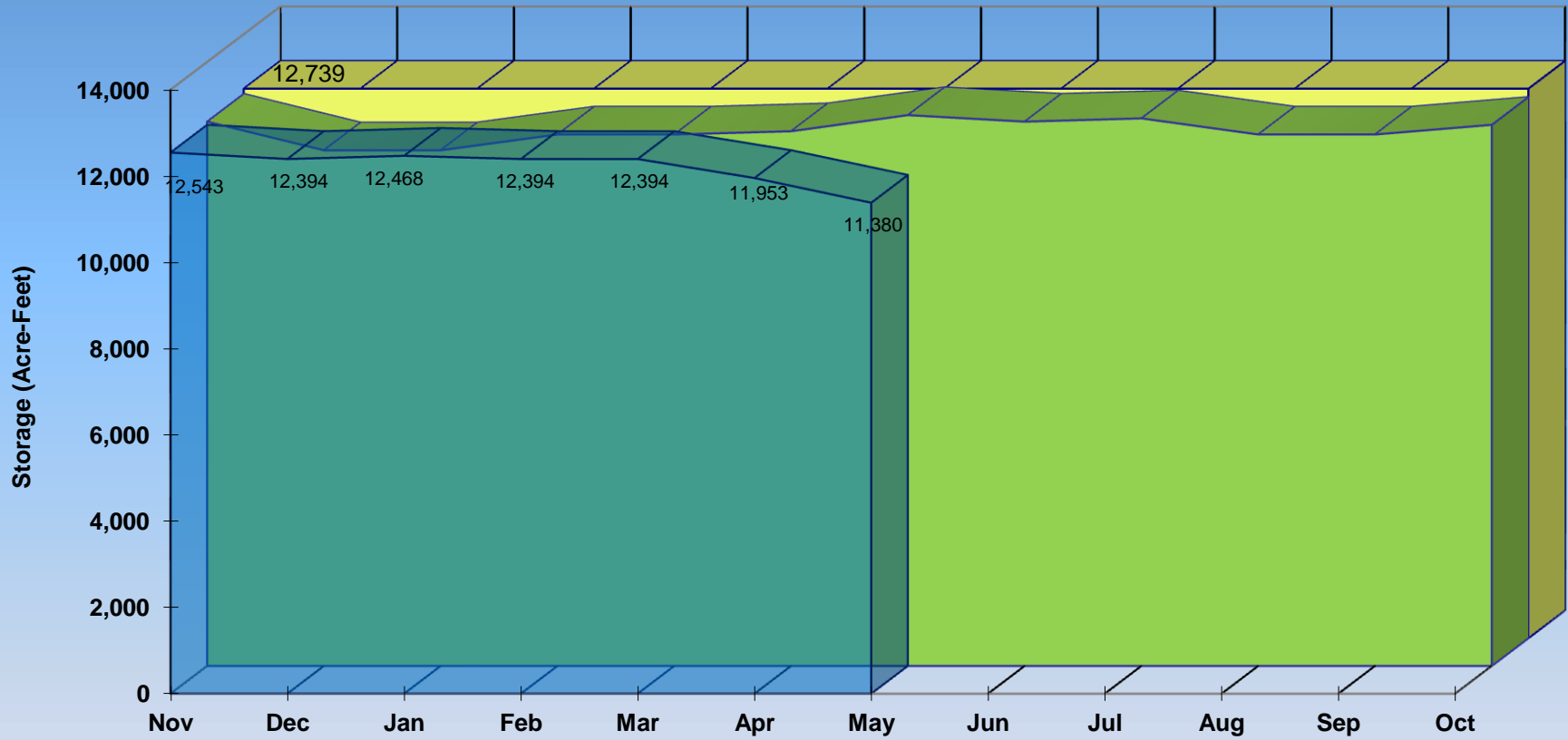


■ 2011-12 Monthly Storage

■ 2010-11 Monthly Storage

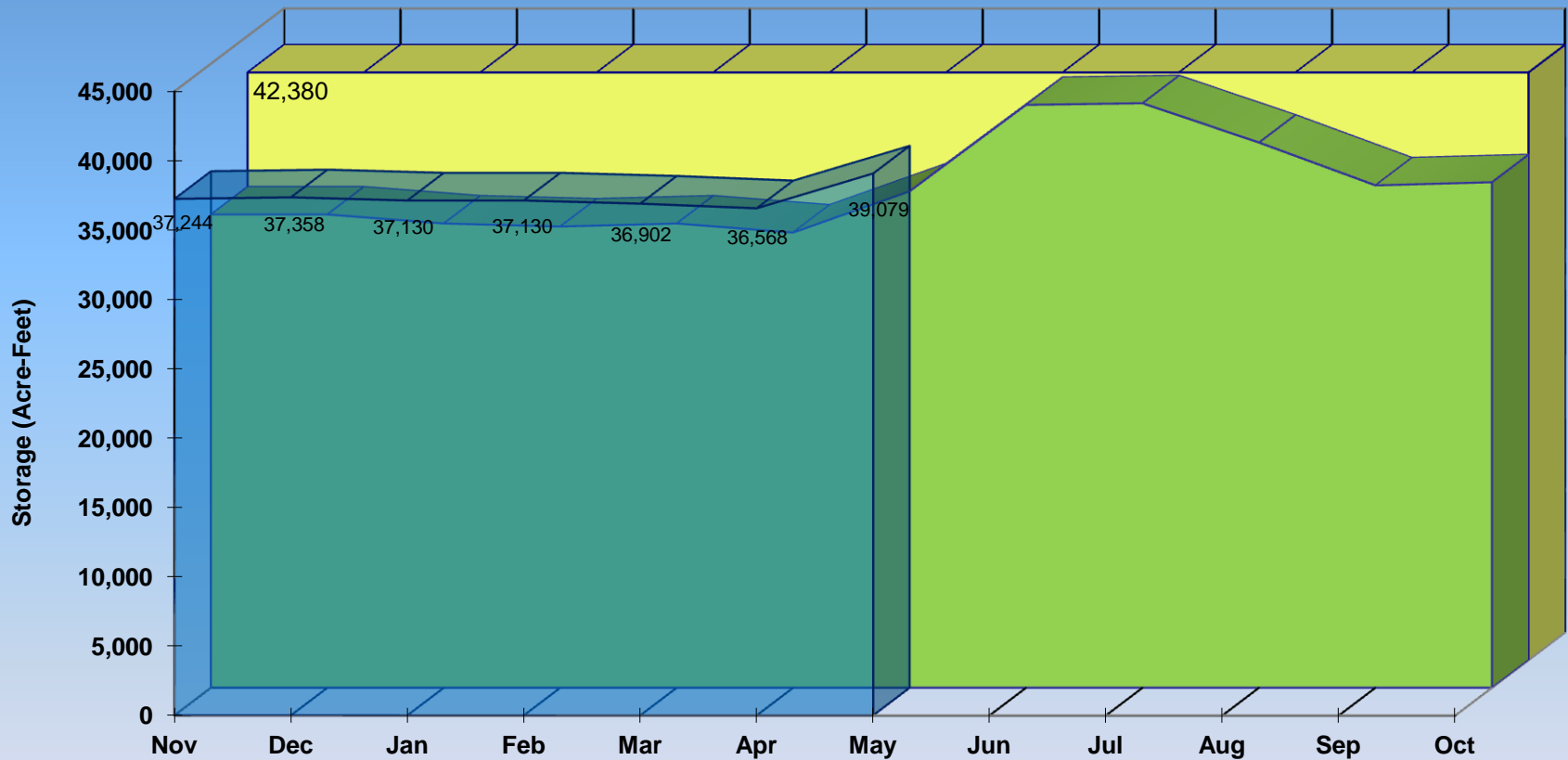
■ Total Storage

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



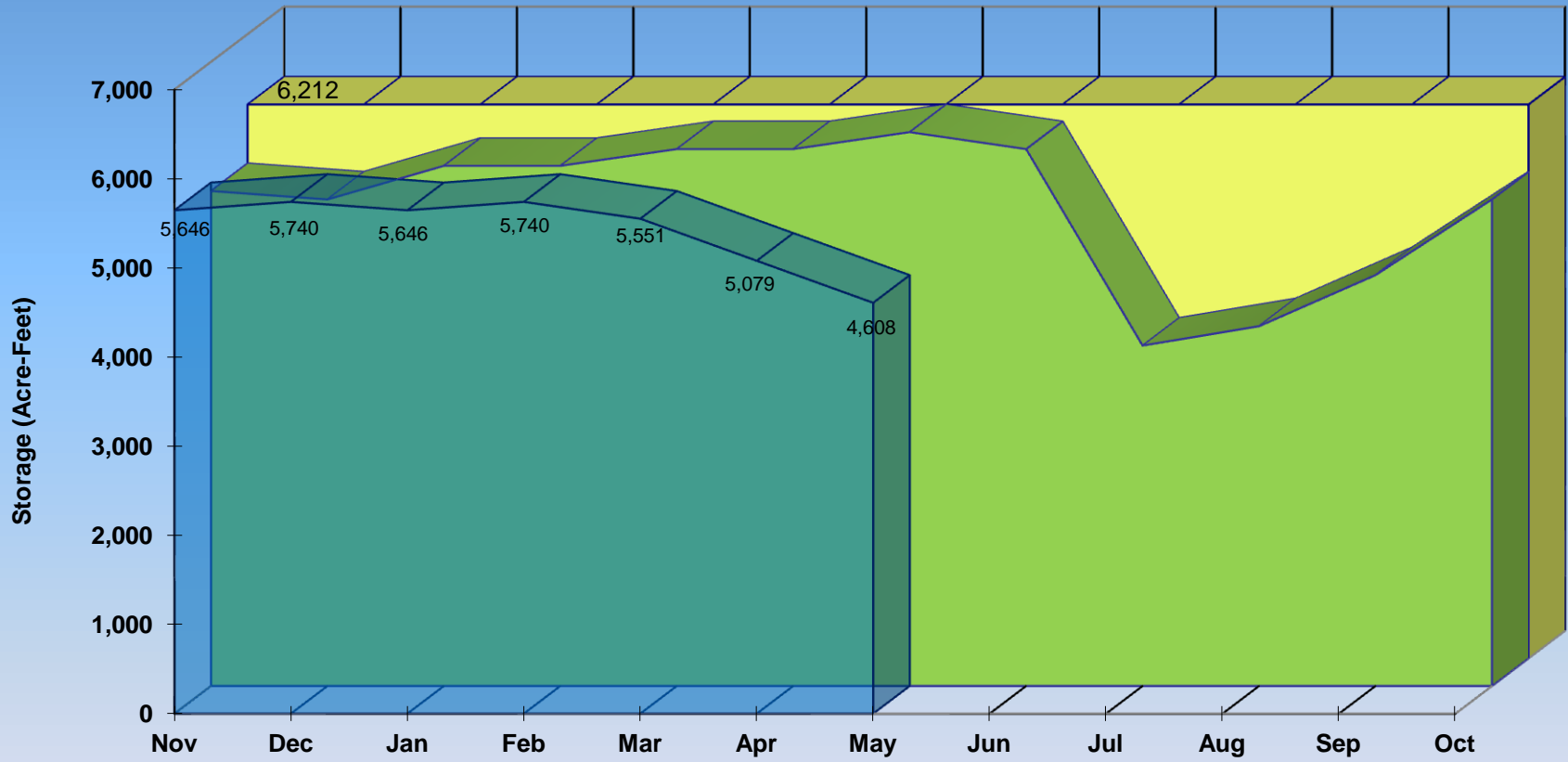
■ 2011-12 Monthly Storage
 ■ 2010-11 Monthly Storage
 ■ Total Storage

Standley Lake (Agricultural)



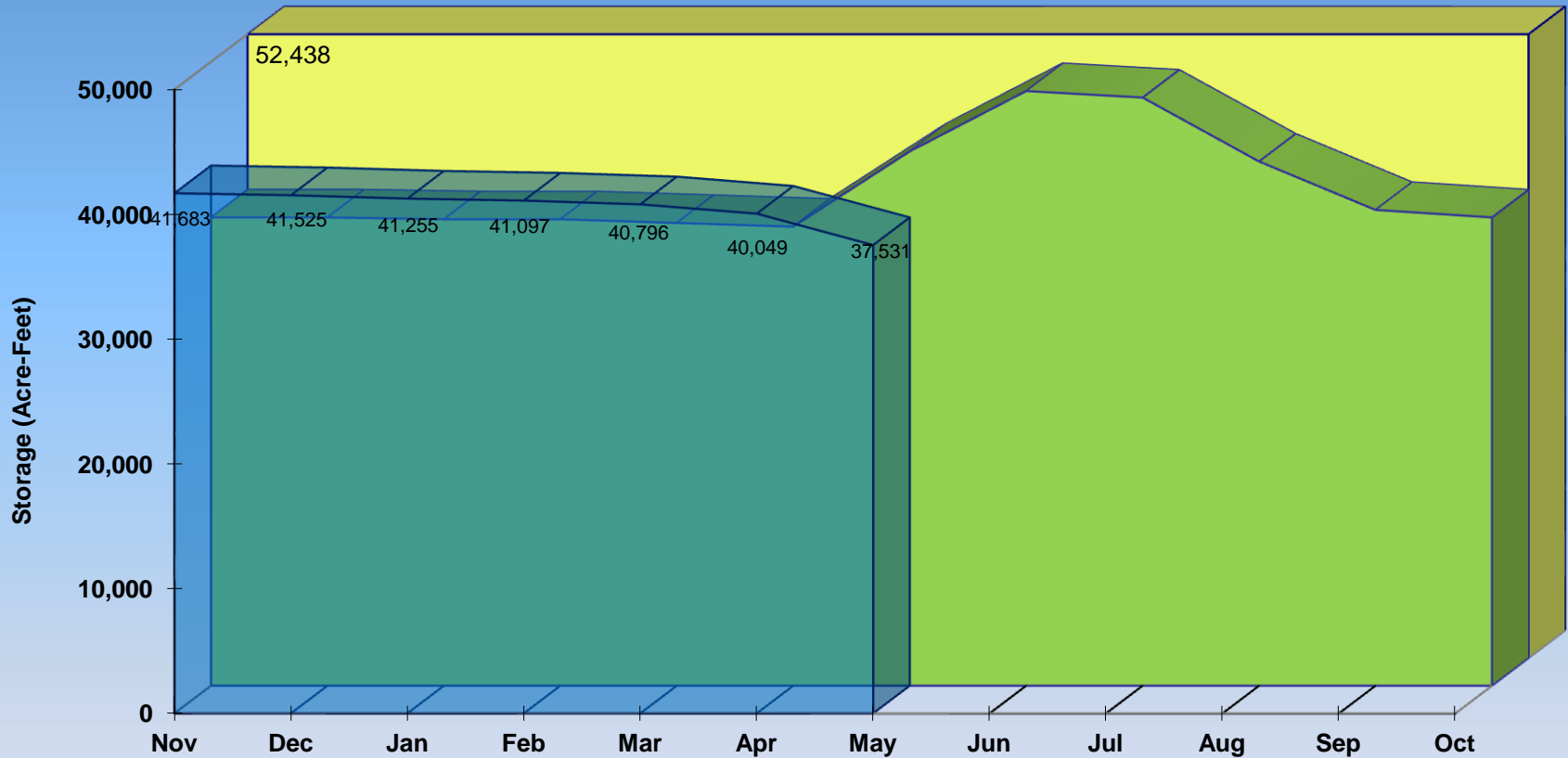
■ 2011-12 Monthly Storage
 ■ 2010-11 Monthly Storage
 ■ Total Storage

Lower Latham Reservoir (District 2 - Agricultural)



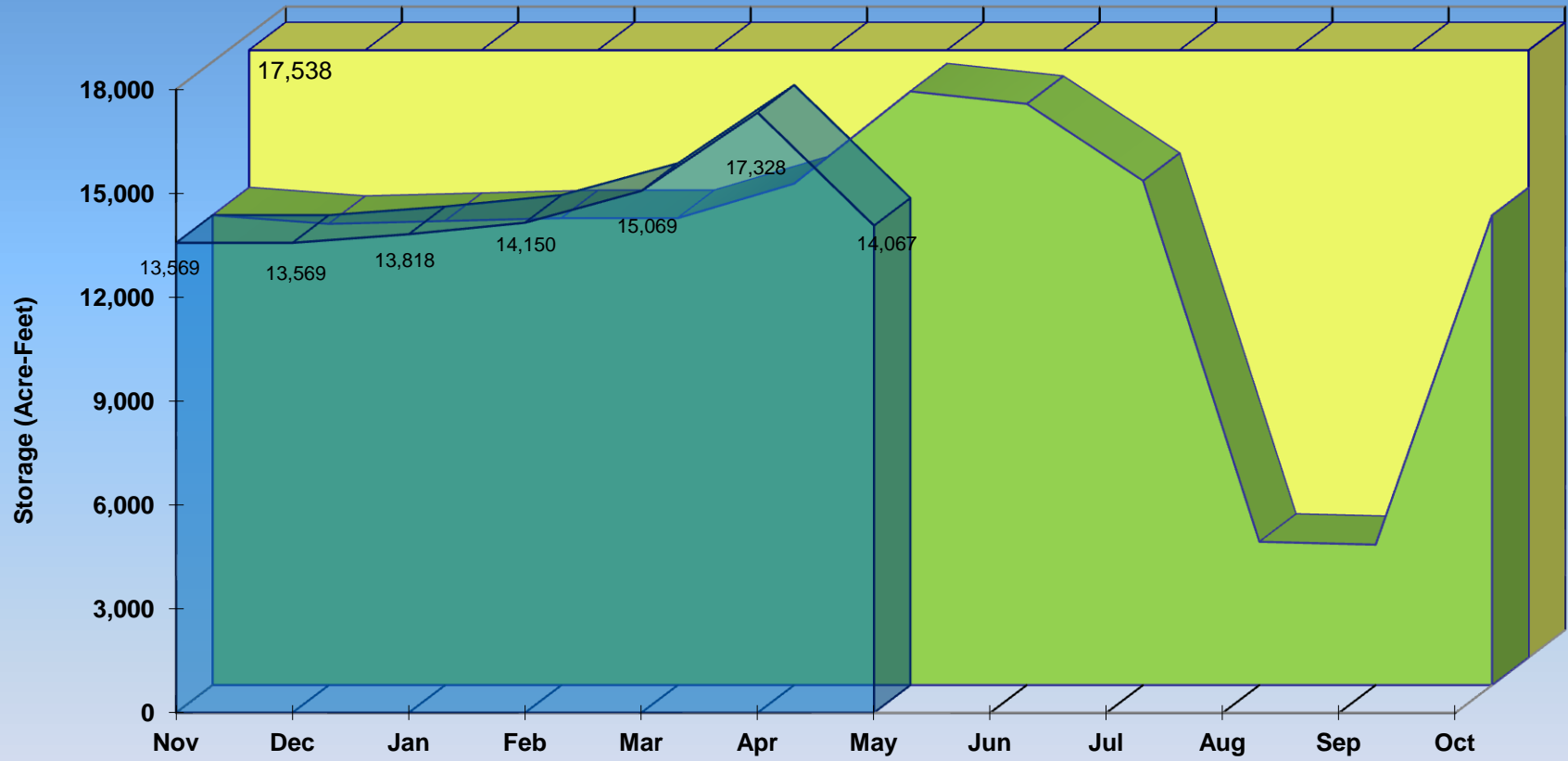
■ 2011-12 Monthly Storage
 ■ 2010-11 Monthly Storage
 ■ Total Storage

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



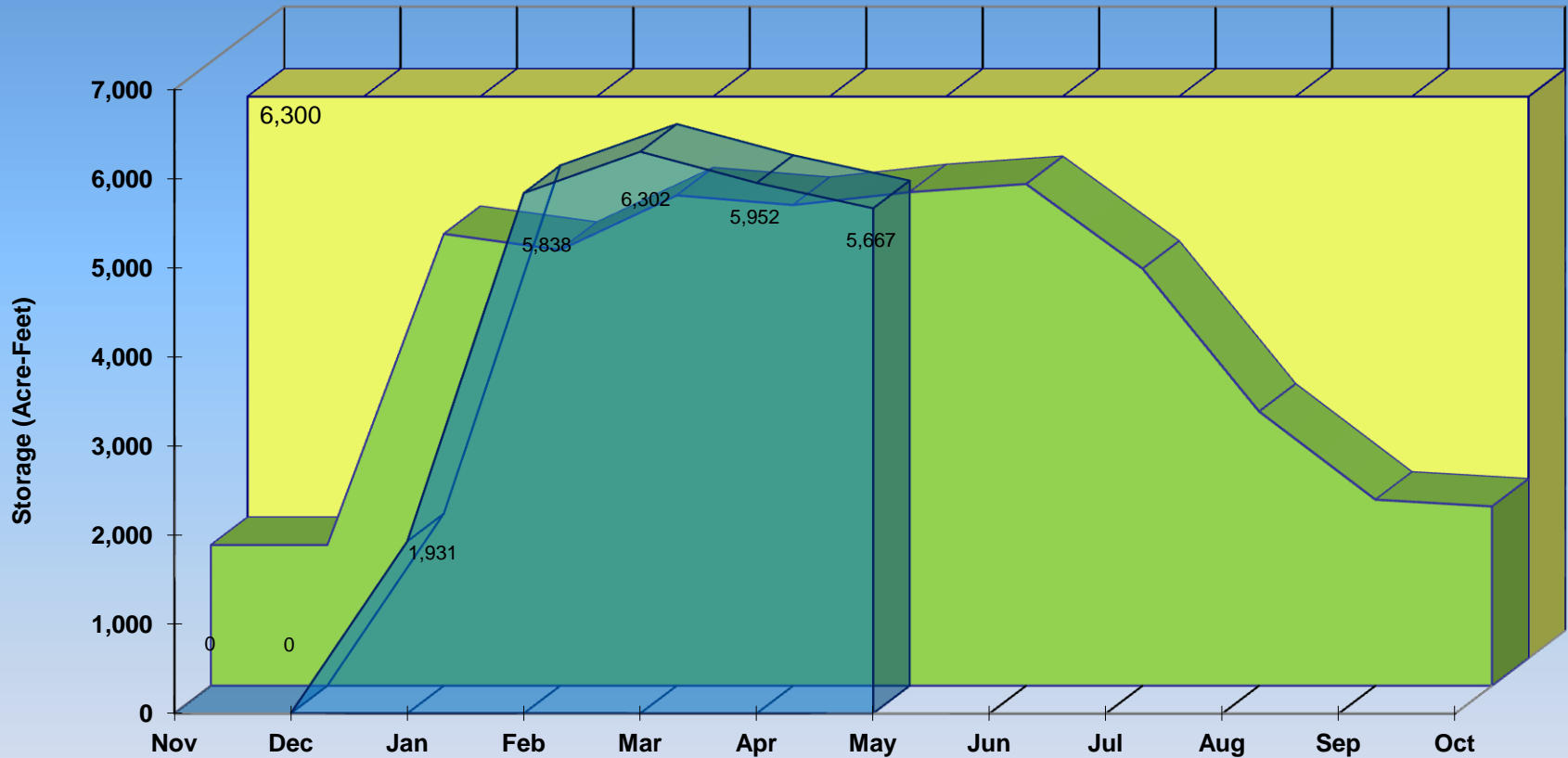
■ 2011-12 Monthly Storage
 ■ 2010-11 Monthly Storage
 ■ Total Storage

Windsor Reservoir (District 3, Poudre River - Agricultural)



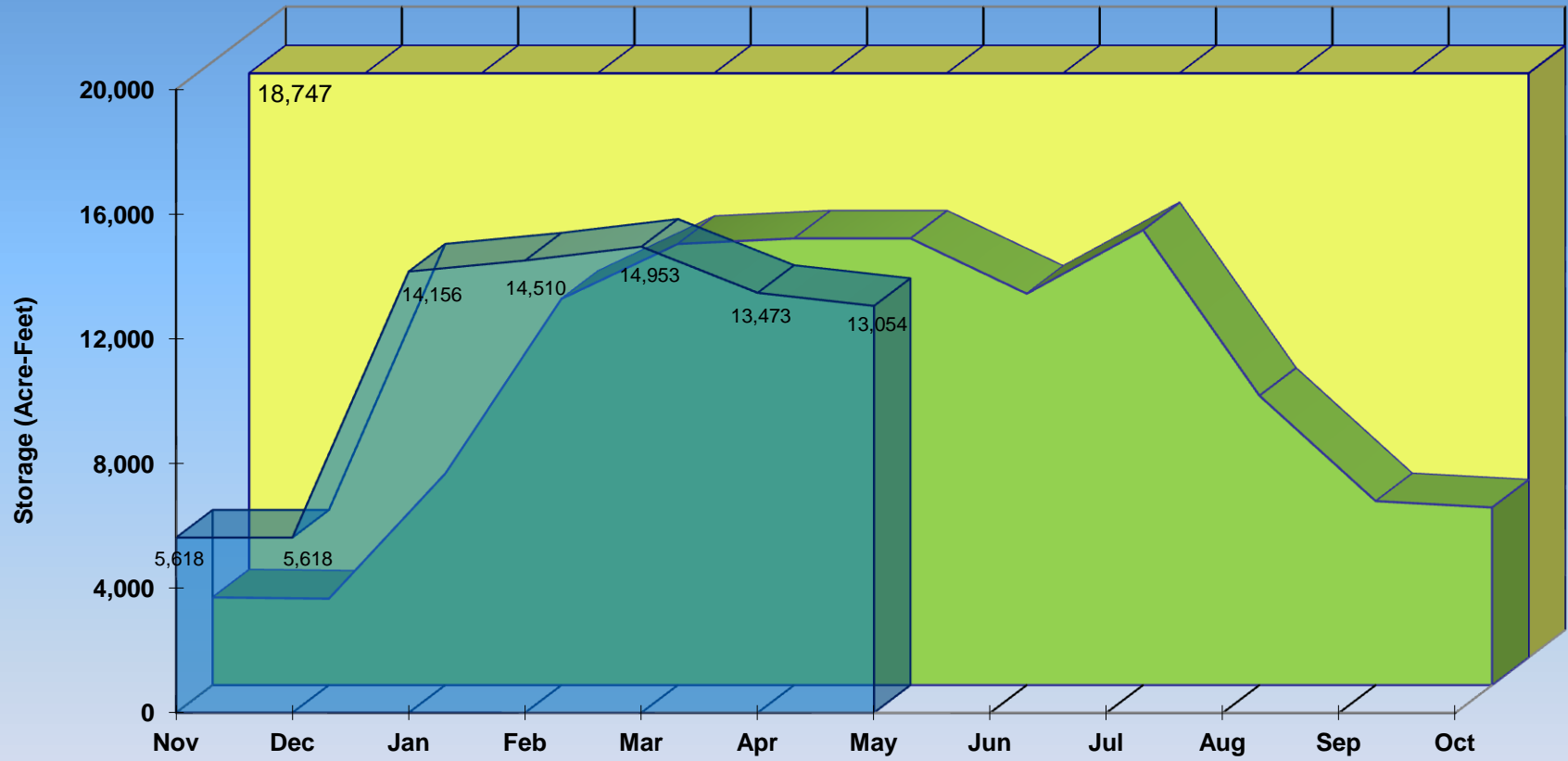
■ 2011-12 Monthly Storage
 ■ 2010-11 Monthly Storage
 ■ Total Storage

Prospect Reservoir (District 1- Agricultural)



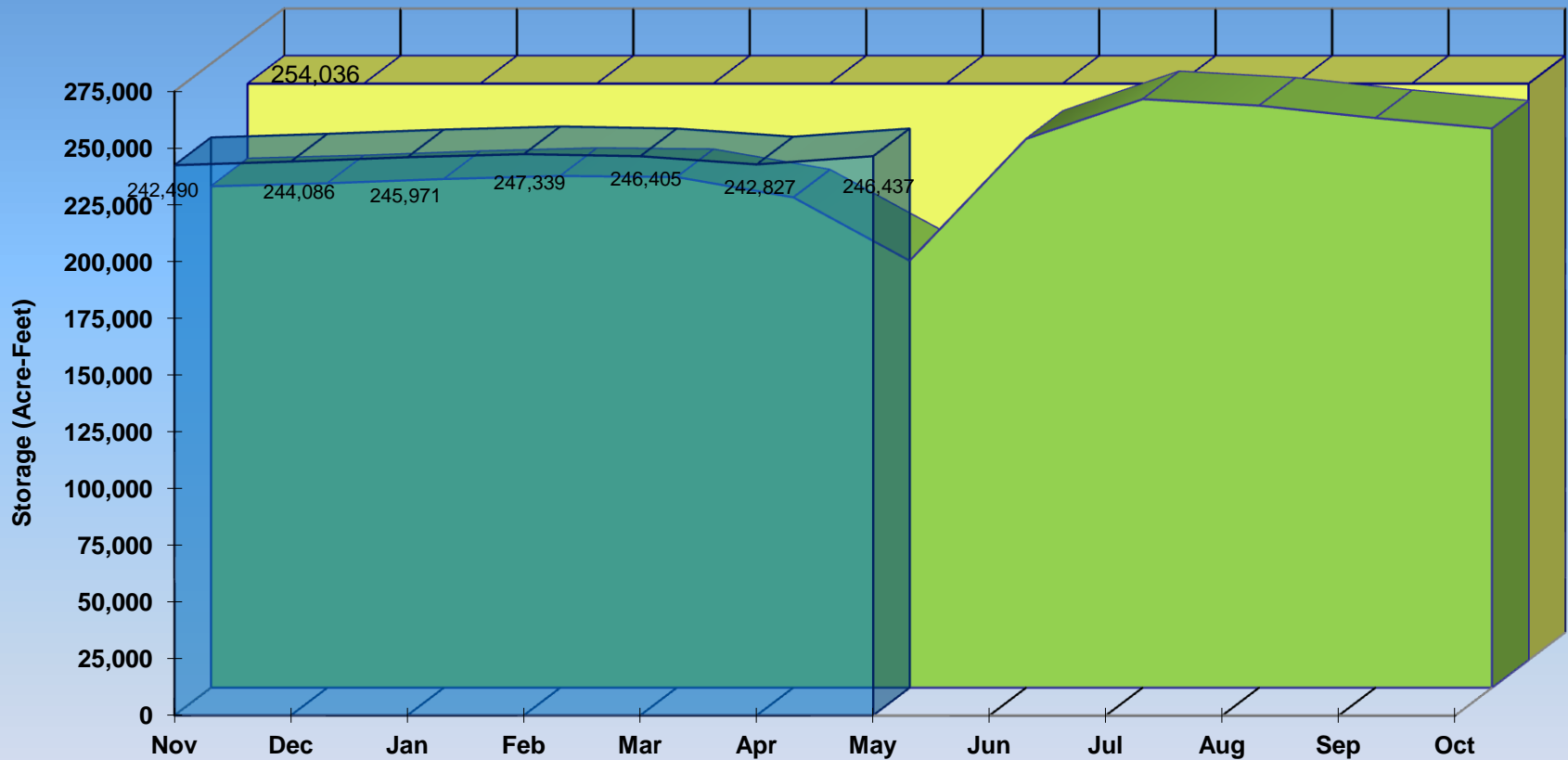
■ 2011-12 Monthly Storage
 ■ 2009-10 Monthly Storage
 ■ Total Storage

Horse Creek Reservoir (District 1 - Agricultural)



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

Dillon Reservoir (Municipal)

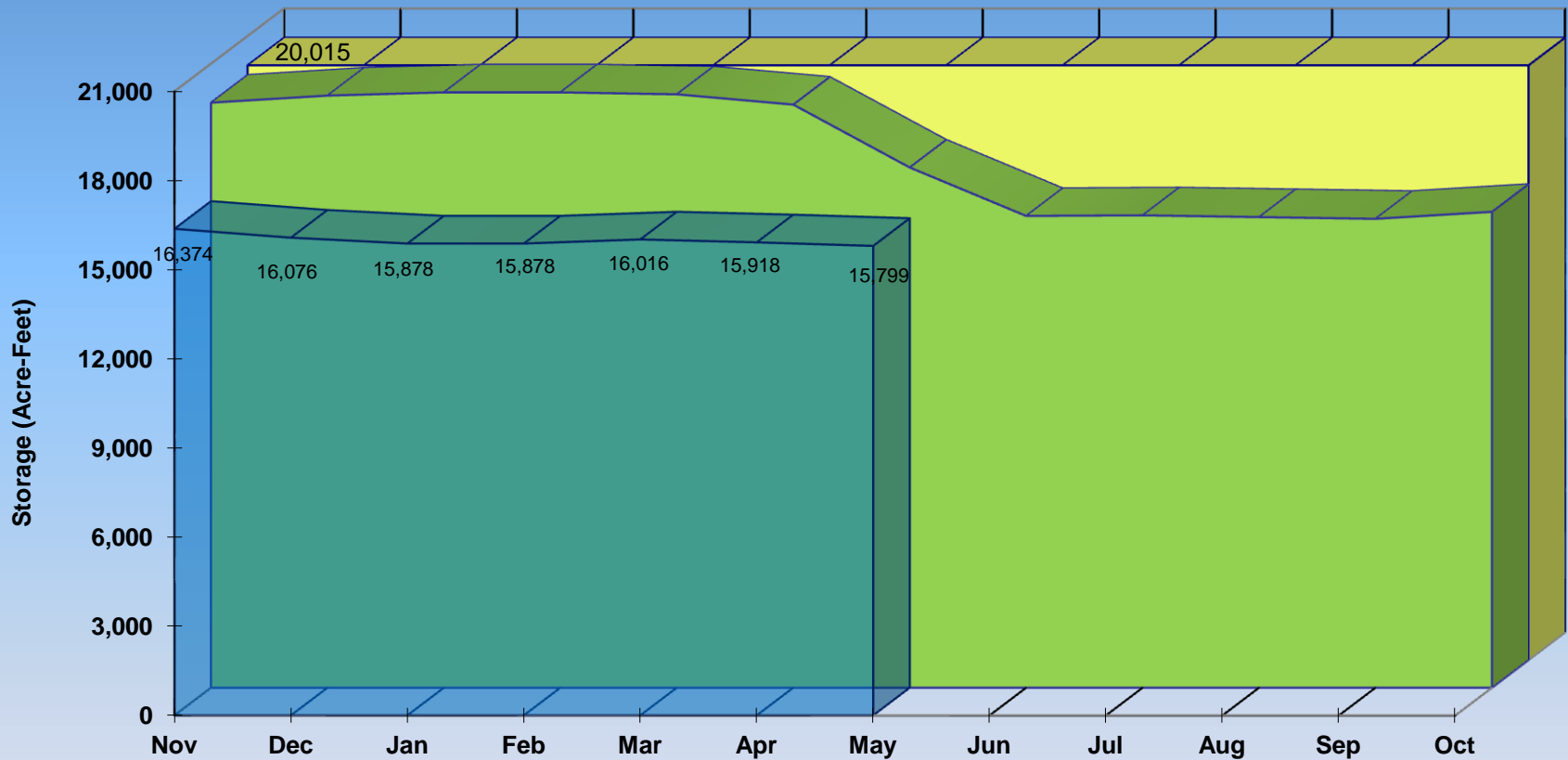


2011-12 Monthly Storage

2010-11 Monthly Storage

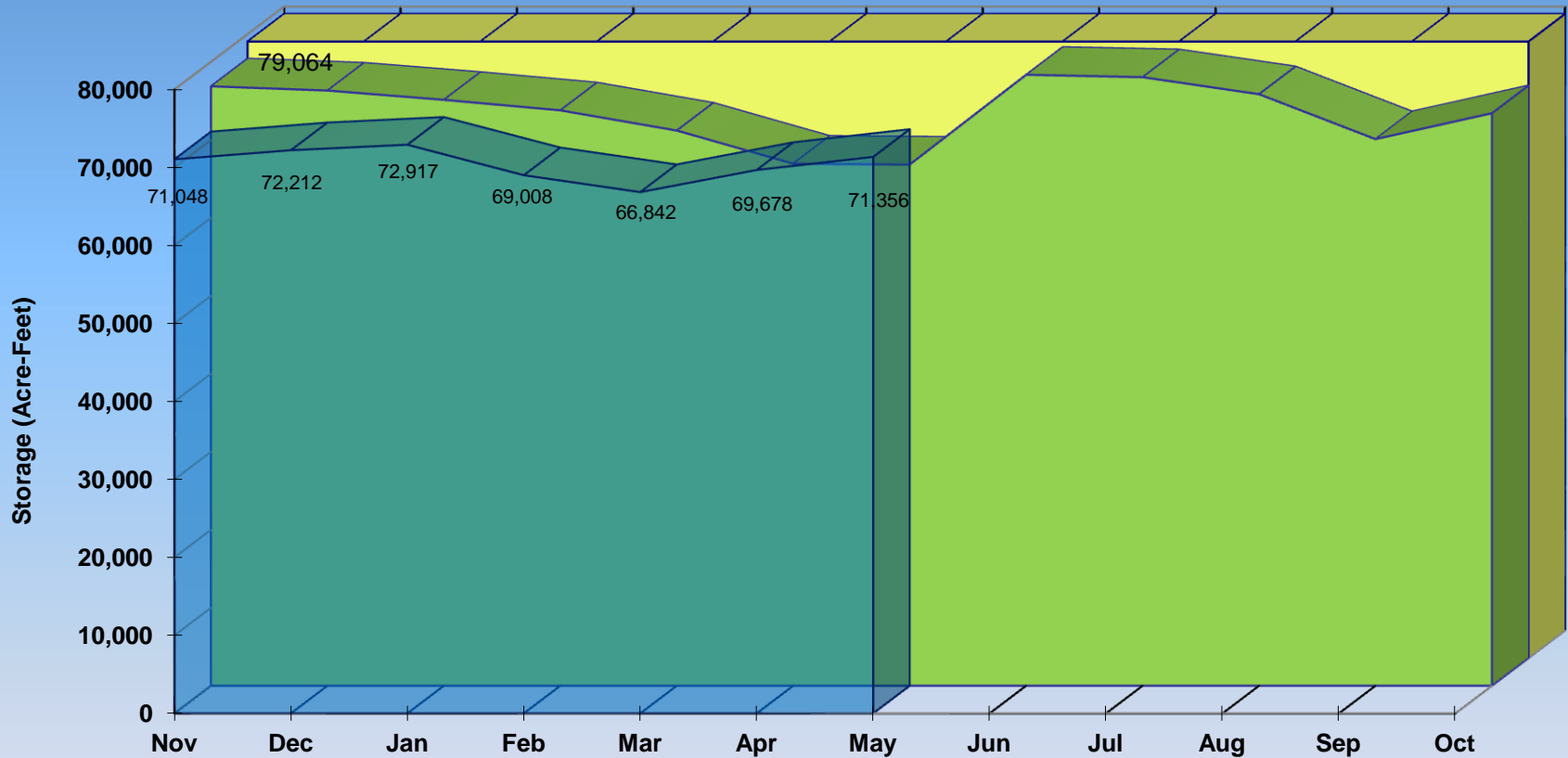
Total Storage

Antero Reservoir (District 23 - Municipal)



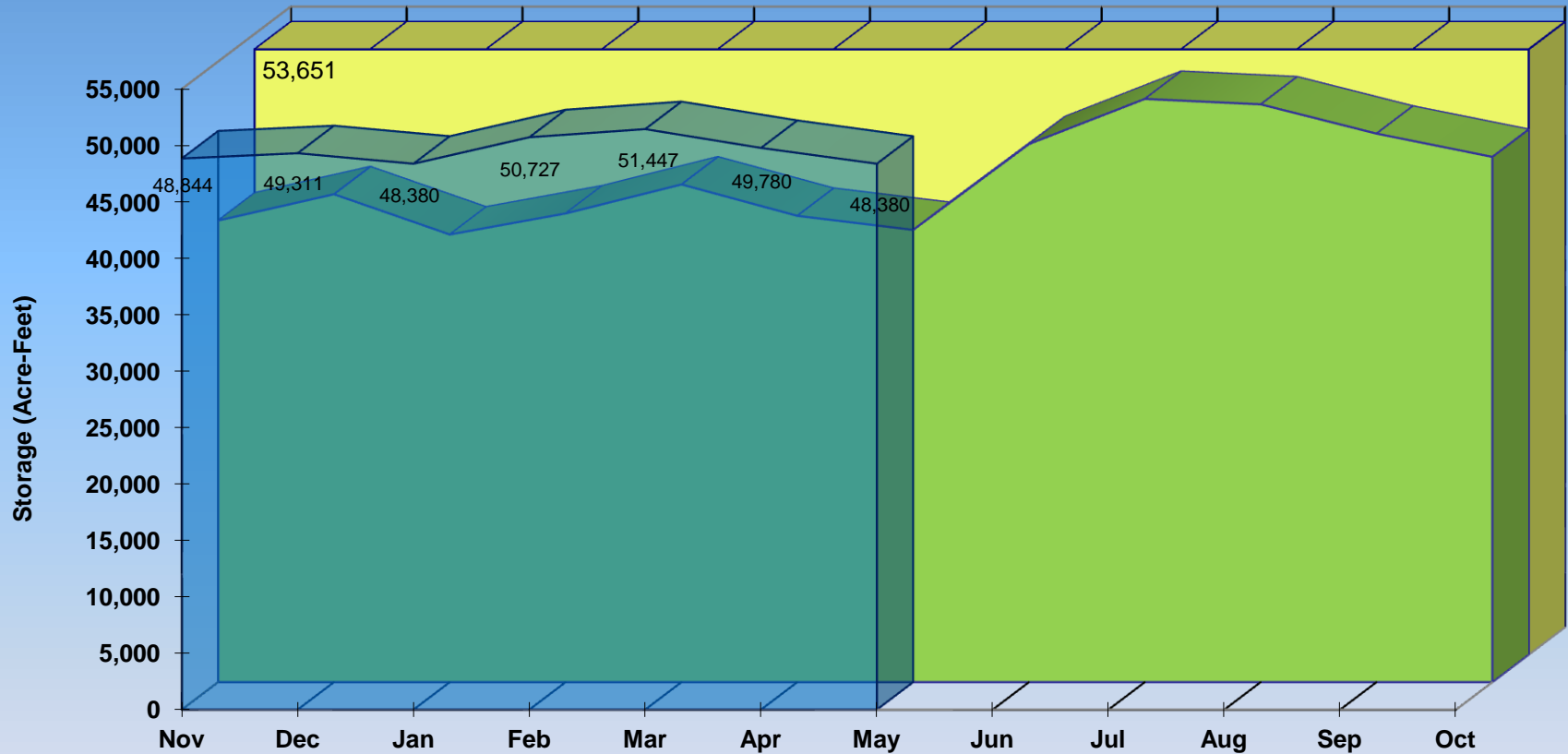
■ 2011-12 Monthly Storage
 ■ 2010-11 Monthly Storage
 ■ Total Storage

Cheesman Reservoir (District 80 - Municipal)



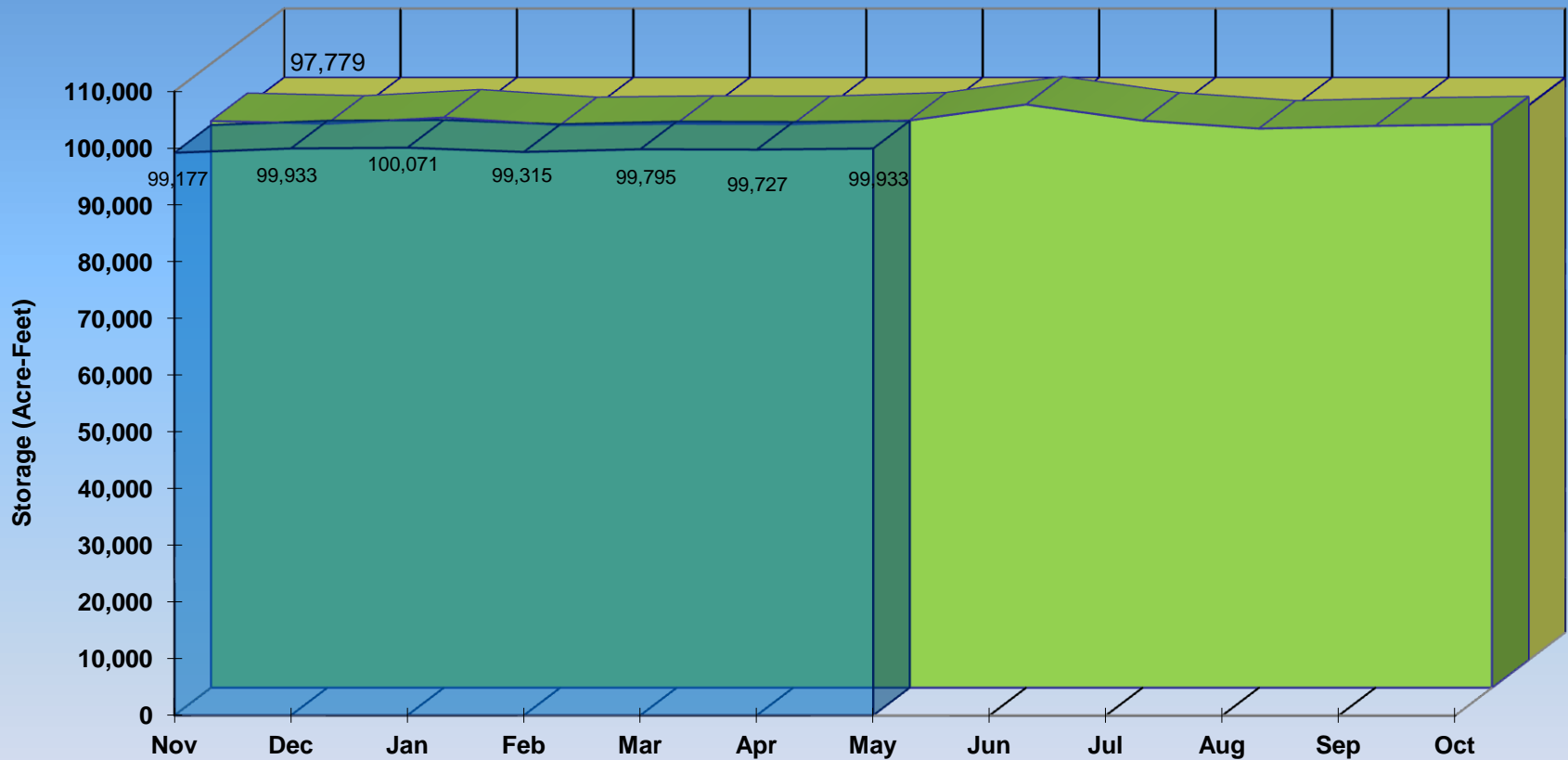
■ 2011-12 Monthly Storage ■ 2010-11 Monthly Storage ■ Total Storage

Spinney Mountain Reservoir (District 23 - Municipal)



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

Eleven Mile Reservoir (District 23 - Municipal)

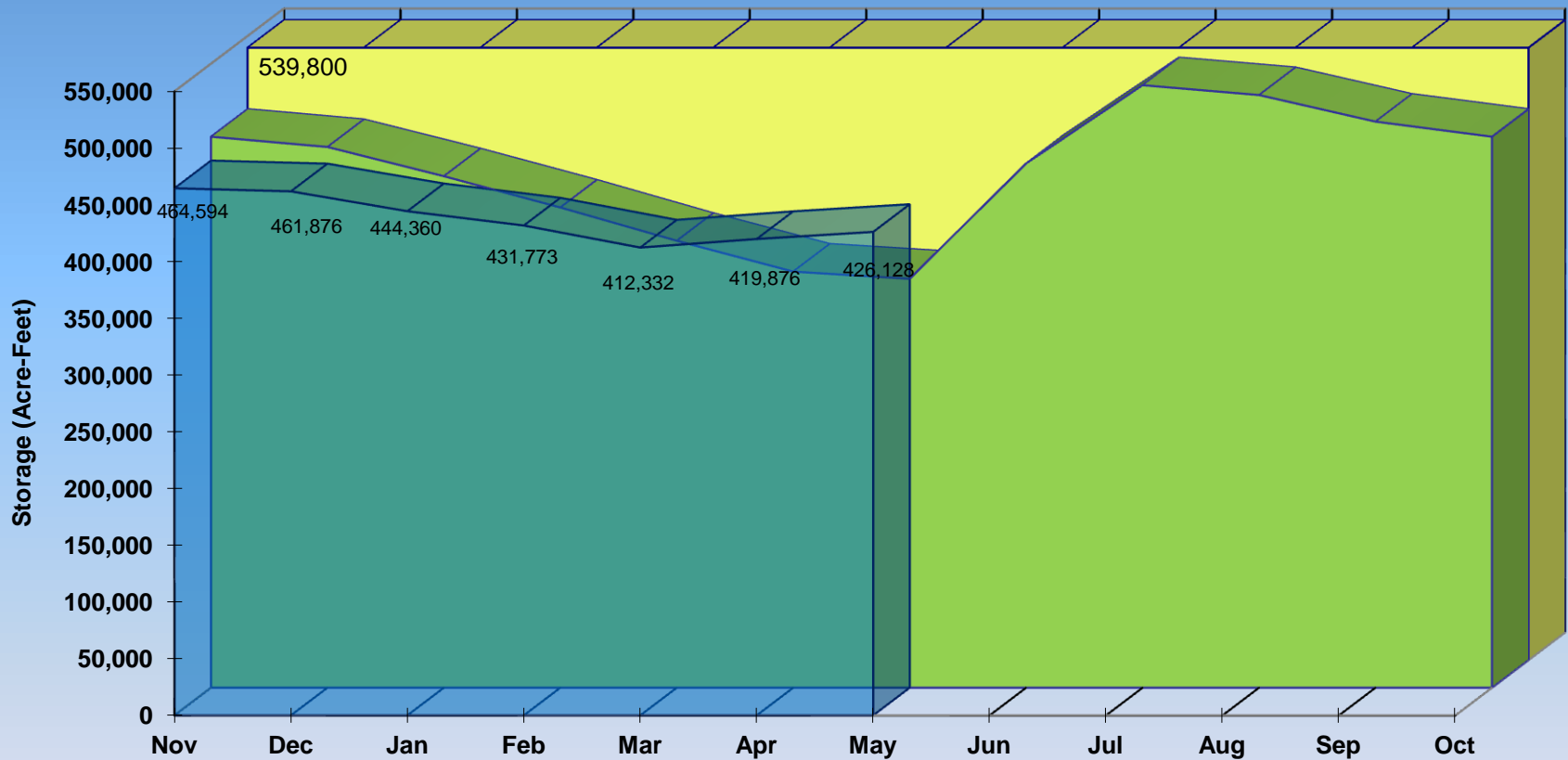


2011-12 Monthly Storage

2010-11 Monthly Storage

Total Storage

Lake Granby



2011-12 Monthly Storage

2010-11 Monthly Storage

Total Storage

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

