

South Platte Summary

October 2012



Photo by:
Lee Cunning



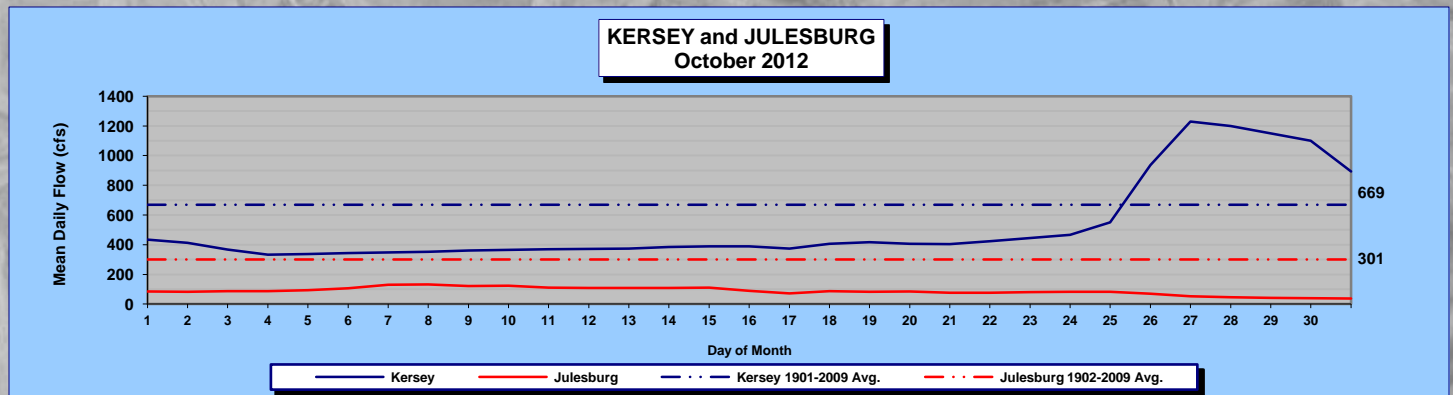
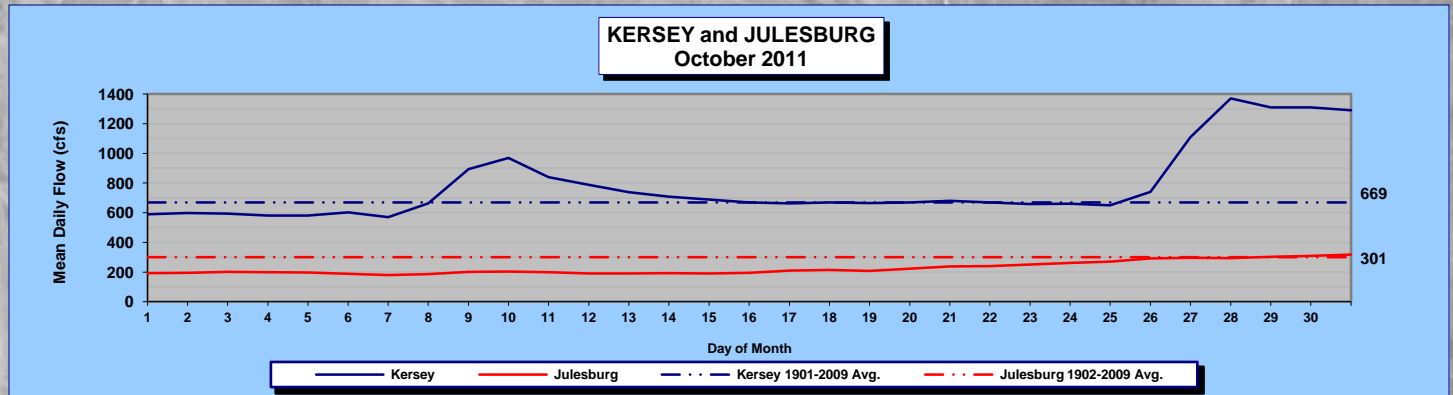
Compiled by Lee Cunning, P.E.

COLORADO DIVISION OF WATER RESOURCES, DIVISION 1

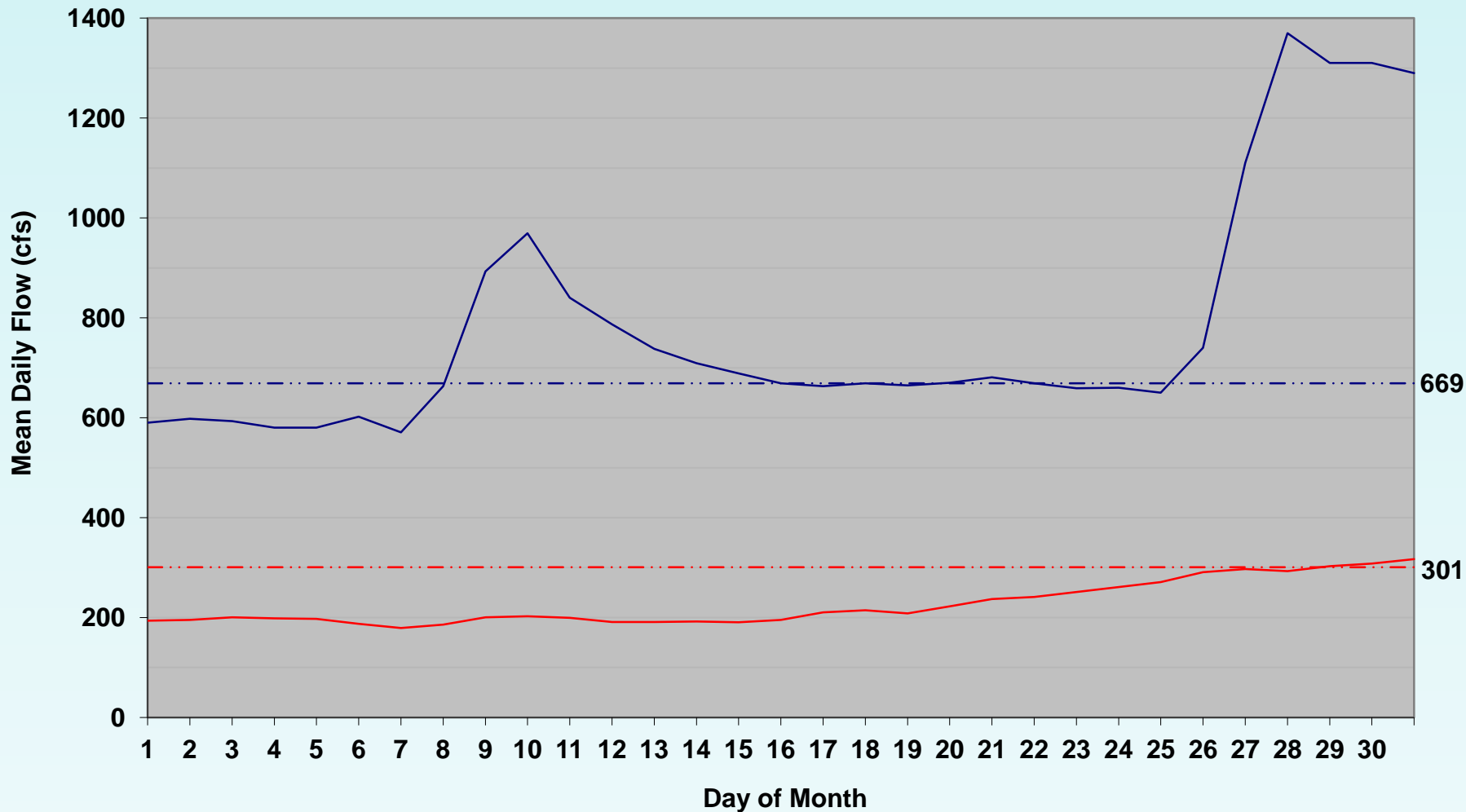
MONTH OF OCTOBER 2012

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	3,760	5,894	64	2,134	57%	26%	81%	0
N STERLING	73,730	2,782	8,506	64	5,724	206%	12%	57%	0
PREWITT	28,500	4,822	6,397	64	1,575	33%	22%	60%	0
JACKSON	27,257	0	3,360	1	3,360	0%	12%	82%	0
EMPIRE	37,700	0	0	1	0	0%	0%	27%	0
RIVERSIDE	63,113	7,072	14,612	1	7,540	107%	23%	41%	0
BARR LAKE	32,152	2,803	3,996	2	1,193	43%	12%	54%	0
CHEESMAN	79,064	51,914	53,170	80	1,256	2%	67%	93%	0
ELEVEN MILE	97,779	98,085	98,153	23	68	0%	100%	100%	374
SPINNEY	53,651	39,670	37,861	23	-1,809	-5%	71%	87%	0
ANTERO	20,015	15,544	15,369	23	-175	-1%	77%	80%	0

RIVER GAGES	MEAN DAILY FLOW (CFS)
KERSEY	527
JULESBURG	87
THIS MONTH LAST YEAR	
KERSEY	780
JULESBURG	227
MEAN FOR PERIOD OF RECORD*	
KERSEY	669
JULESBURG	301
* 1901-2011	
1902-2011	

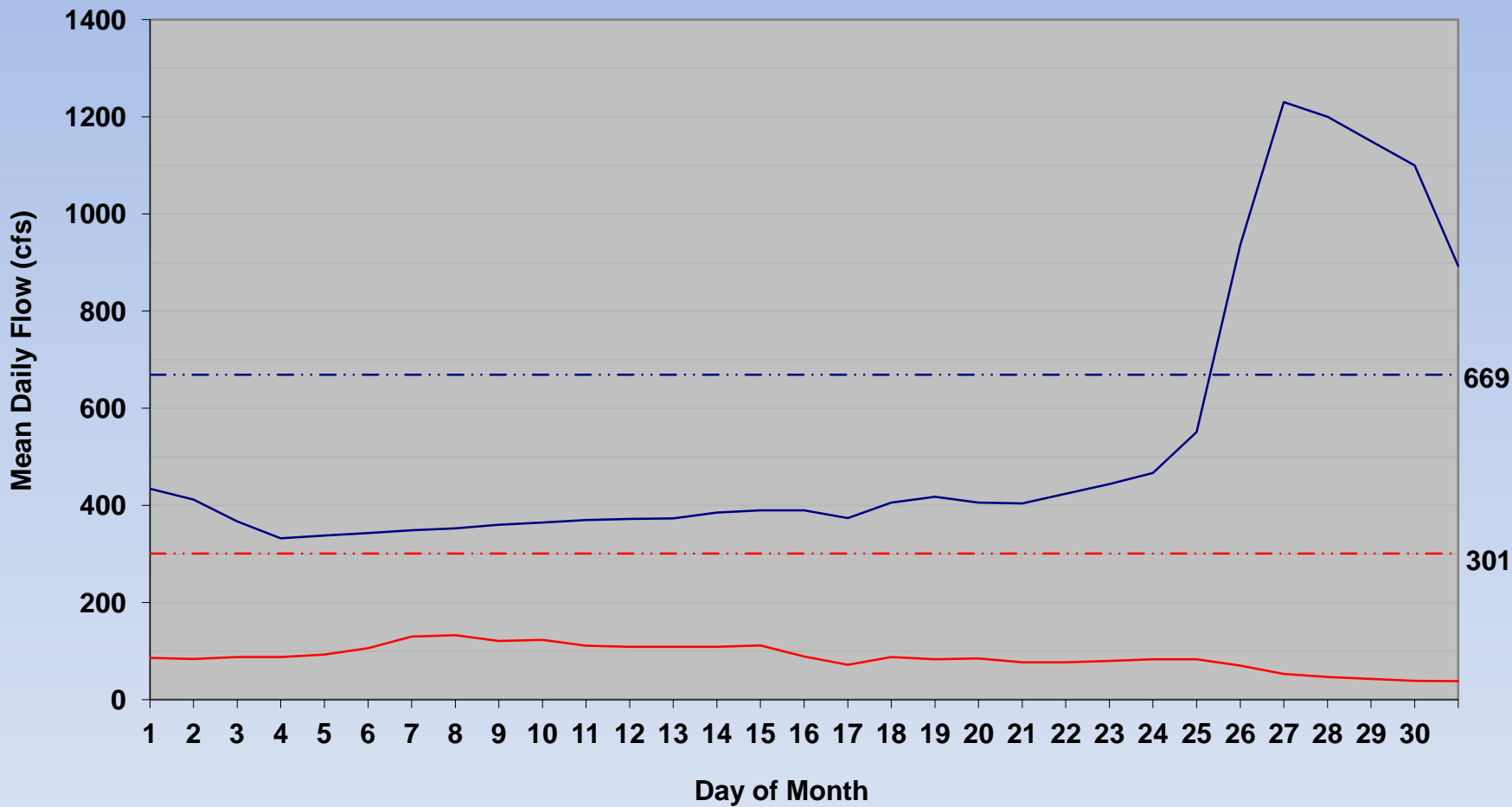


KERSEY and JULESBURG October 2011



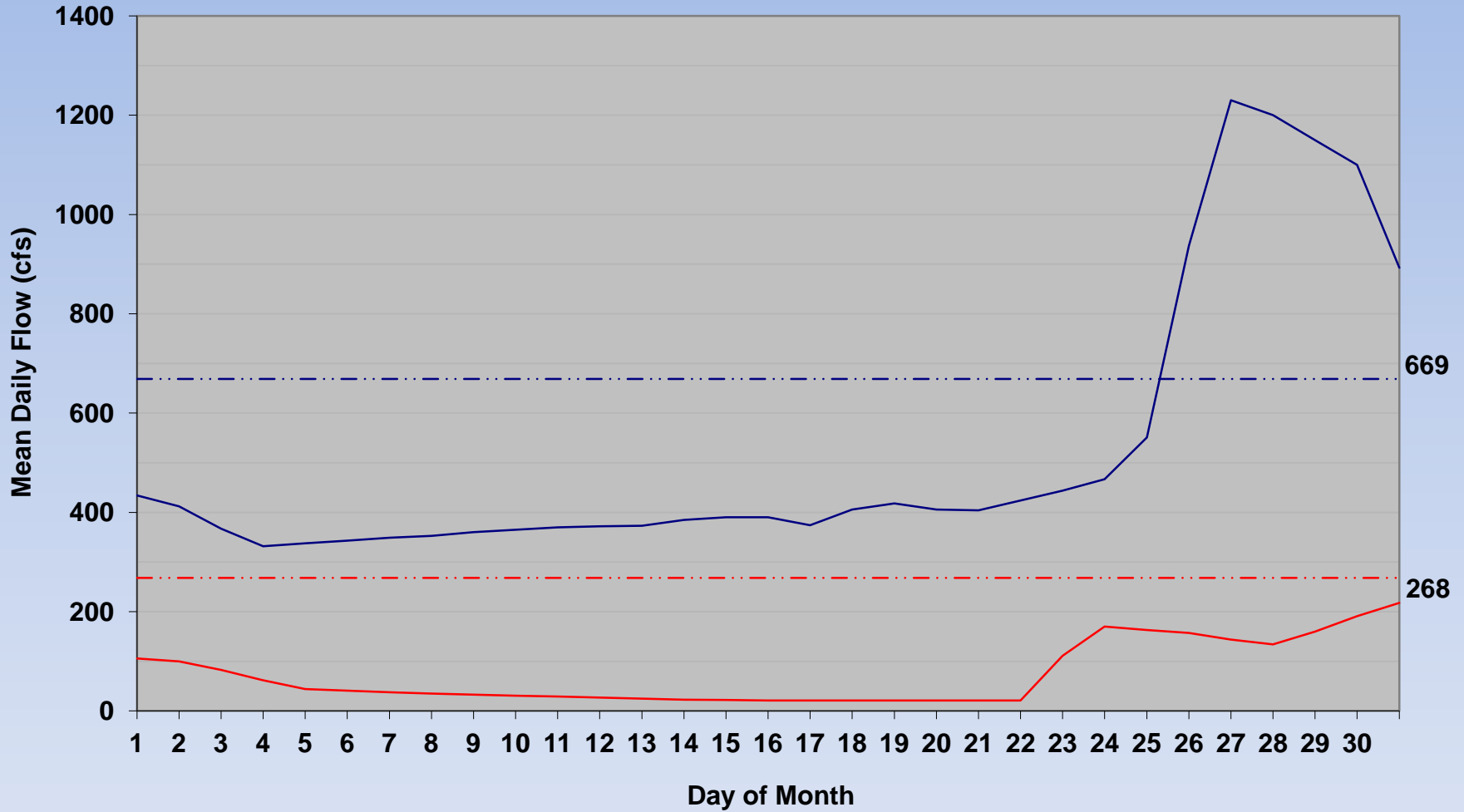
— Kersey — Julesburg — · · — Kersey 1901-2009 Avg. - · · - Julesburg 1902-2009 Avg.

KERSEY and JULESBURG October 2012



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

KERSEY and BALZAC October 2012



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

South Platte River Monthly Stream Flow (cfs) Statistics

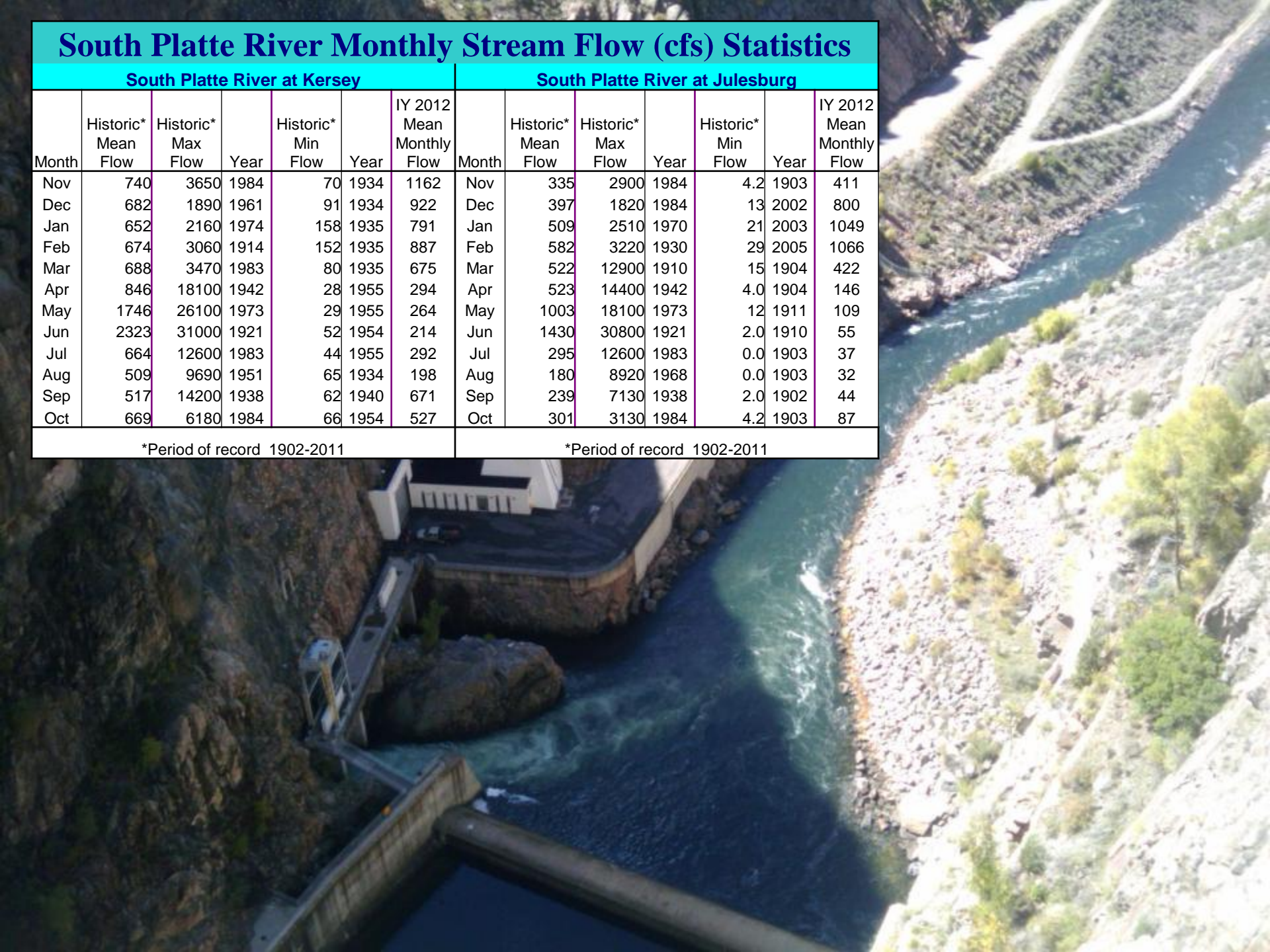
South Platte River at Kersey

South Platte River at Julesburg

Month	Historic* Mean Flow	Historic* Max Flow	Year	Historic* Min Flow	Year	IY 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	214	Jun	1430	30800	1921	2.0	1910	55
Jul	664	12600	1983	44	1955	292	Jul	295	12600	1983	0.0	1903	37
Aug	509	9690	1951	65	1934	198	Aug	180	8920	1968	0.0	1903	32
Sep	517	14200	1938	62	1940	671	Sep	239	7130	1938	2.0	1902	44
Oct	669	6180	1984	66	1954	527	Oct	301	3130	1984	4.2	1903	87

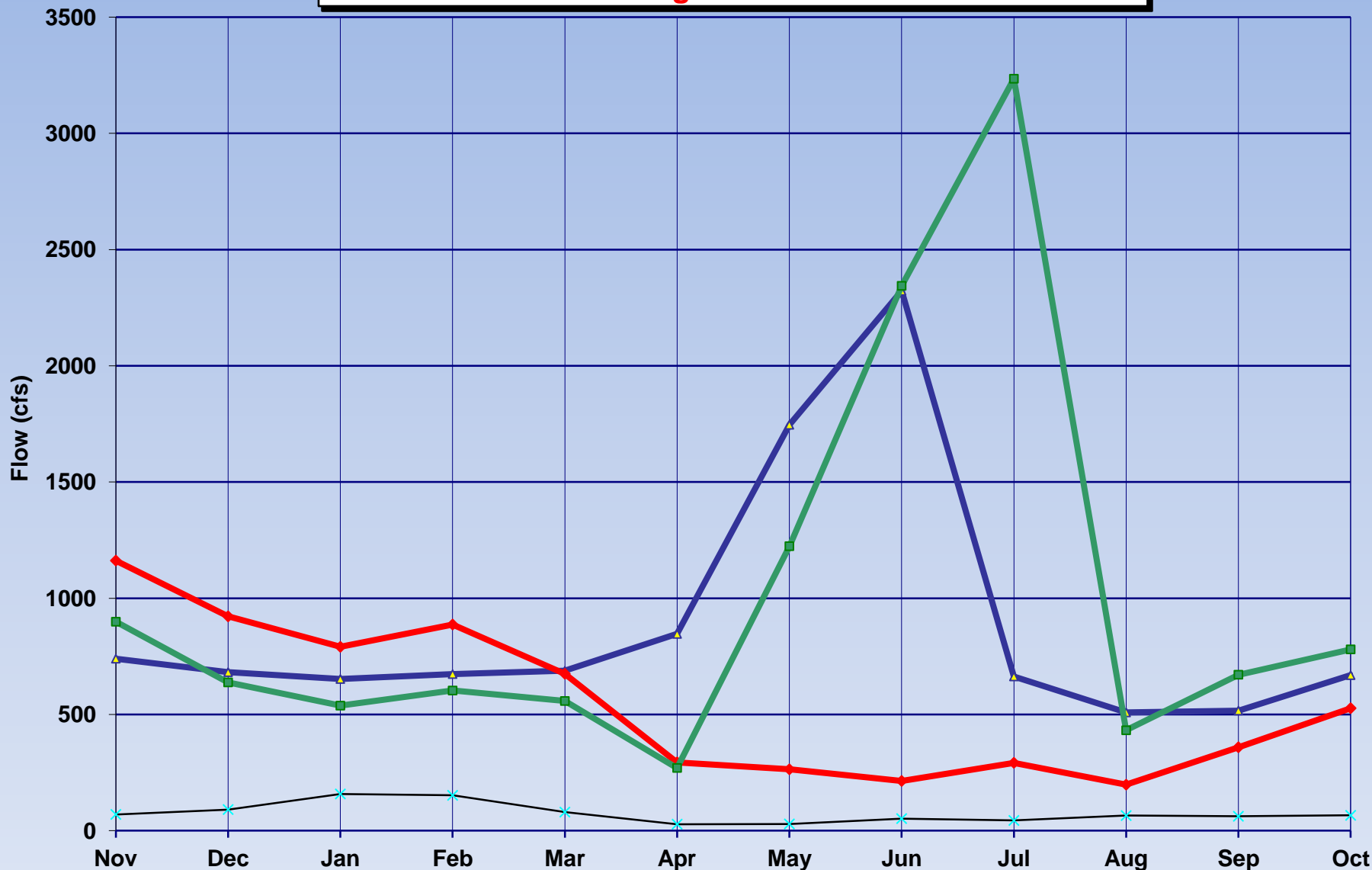
*Period of record 1902-2011

*Period of record 1902-2011



South Platte River at Kersey

Irrigation Year

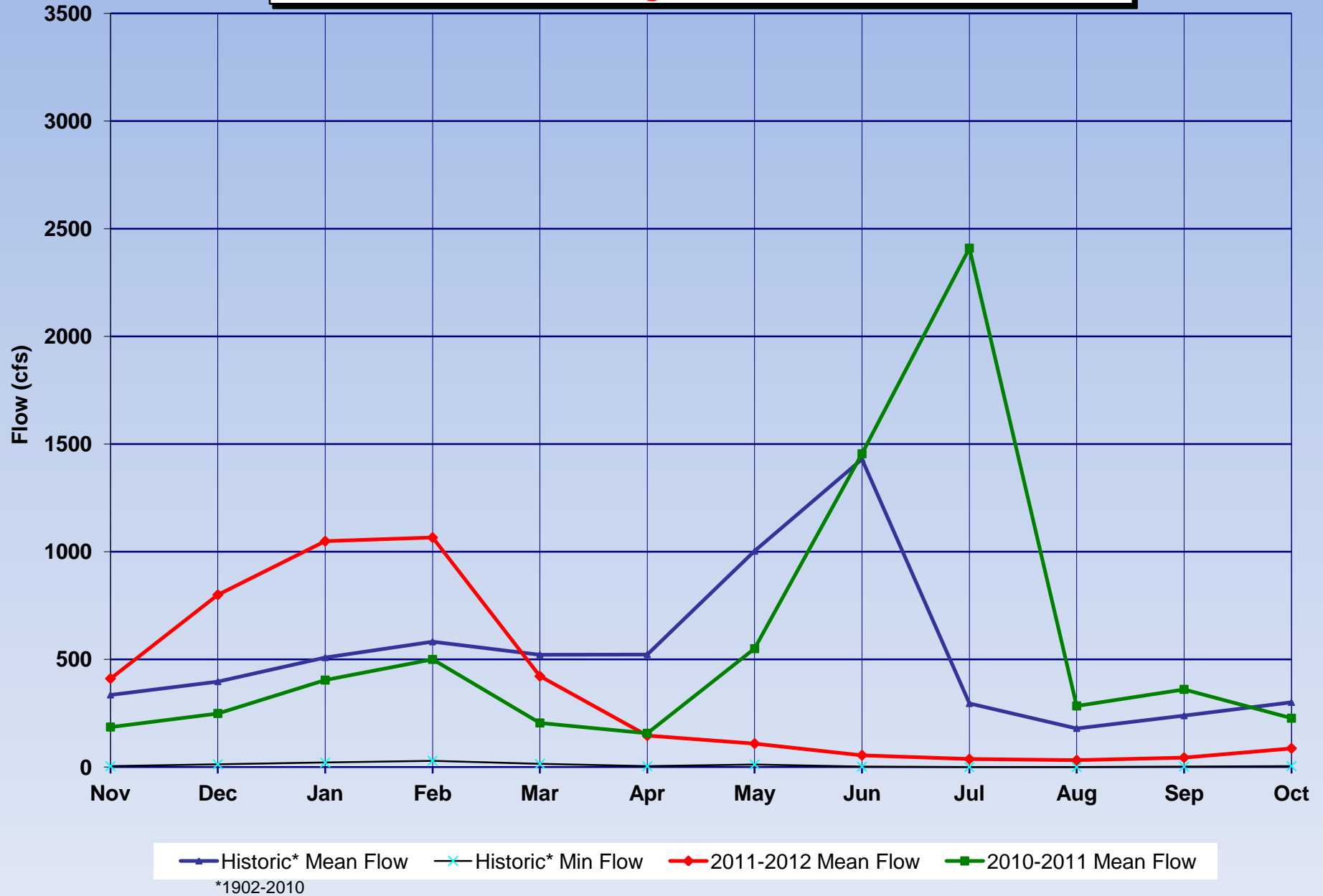


Historic* Mean Flow Historic* Min Flow 2011-2012 Mean Flow 2010-2011 Mean Flow

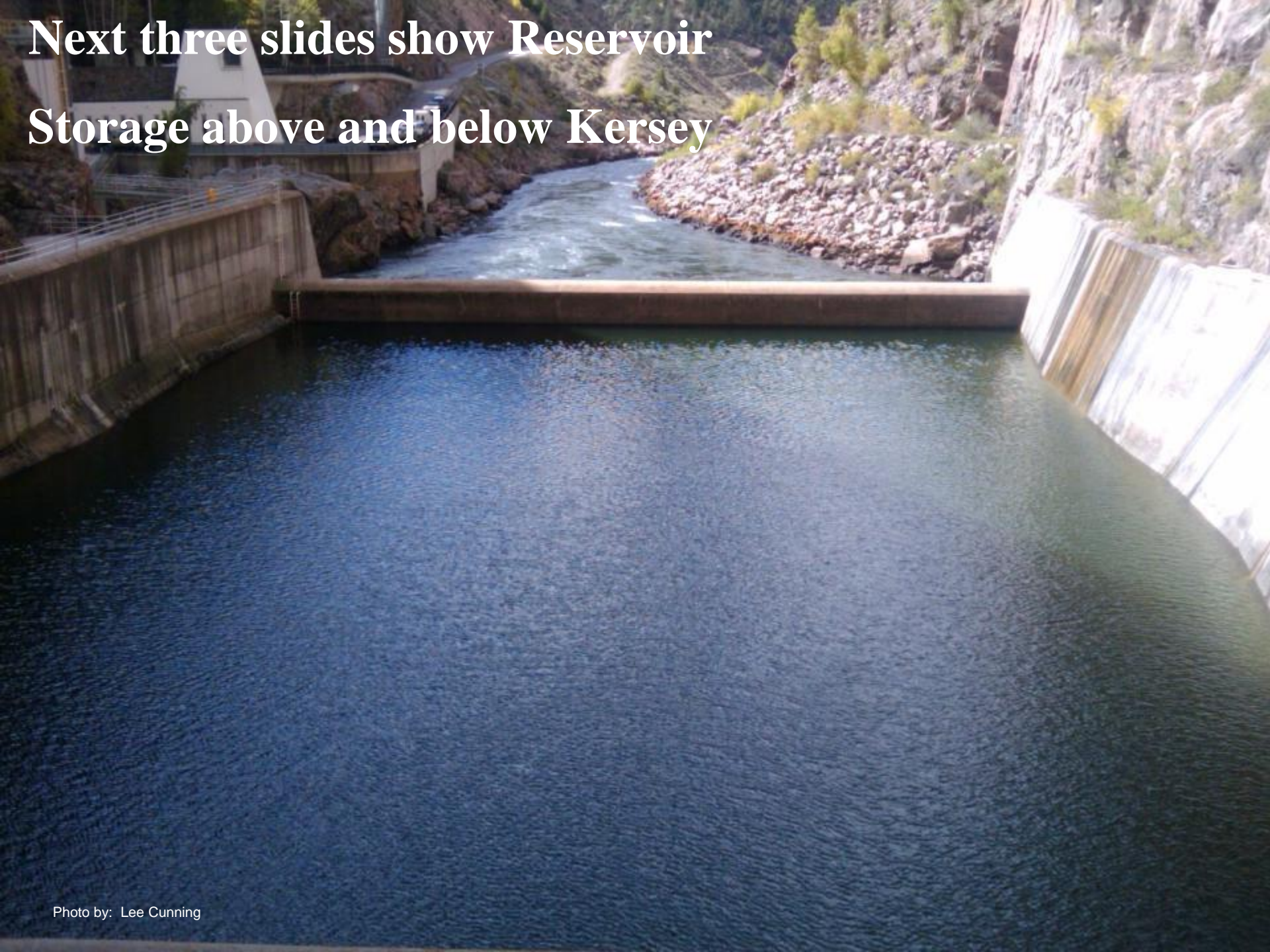
*1901-2010

South Platte River at Julesburg

Irrigation Year

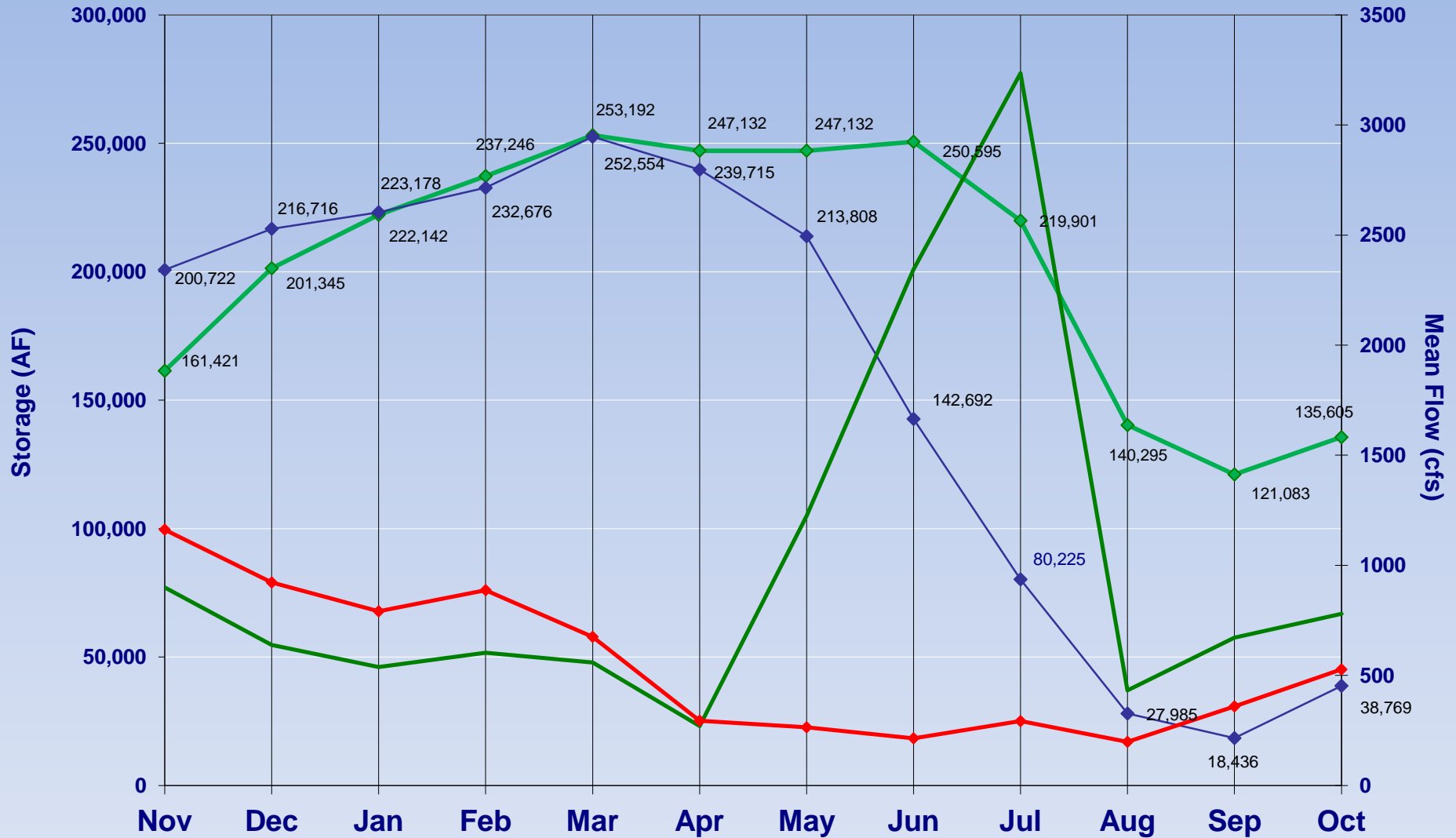


**Next three slides show Reservoir
Storage above and below Kersey**



Reservoir Storage below Kersey

Selected Reservoirs*



2010-11 Monthly Storage

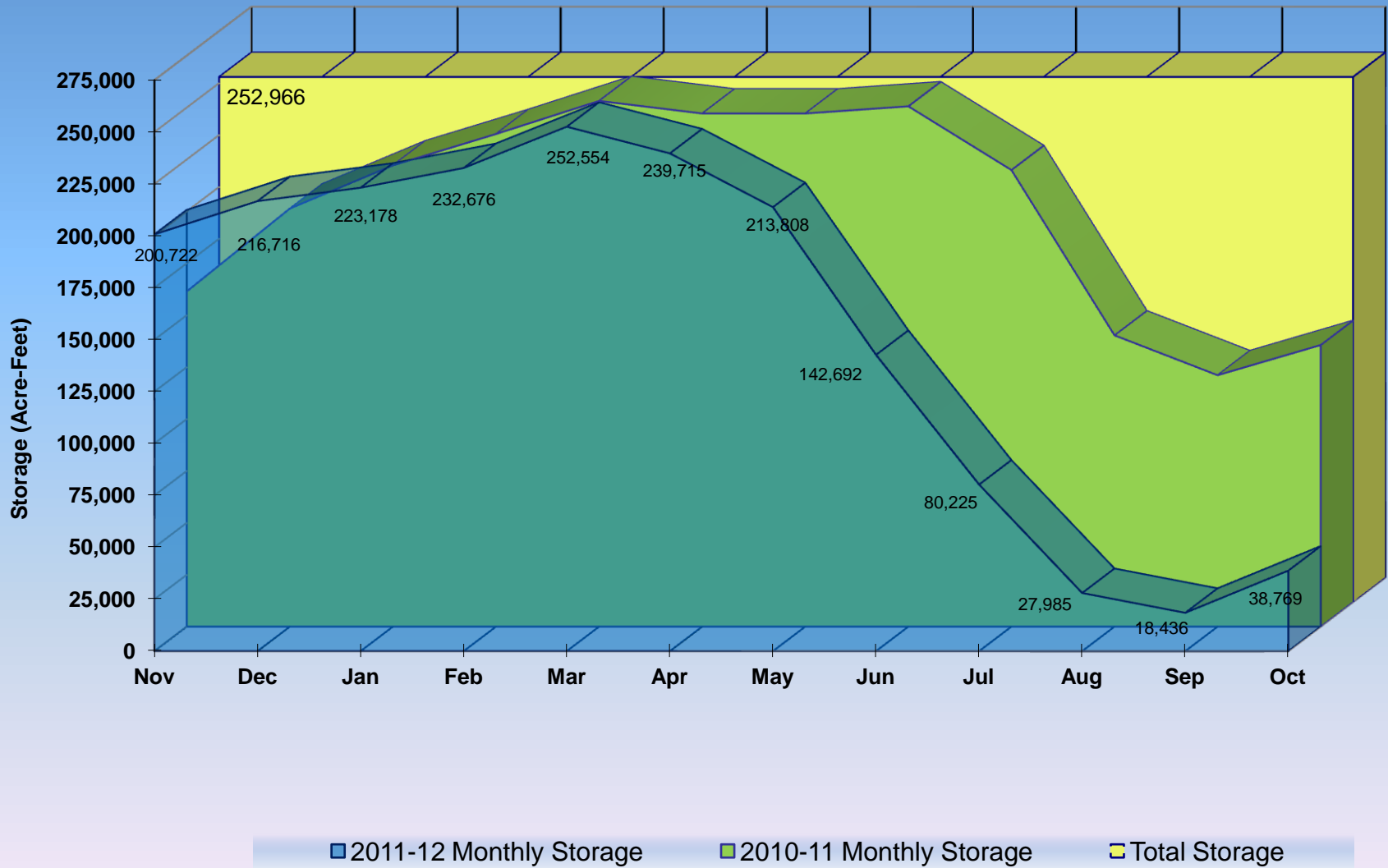
2011-12 Monthly Storage

Kersey 2010-11

Kersey 2011-12

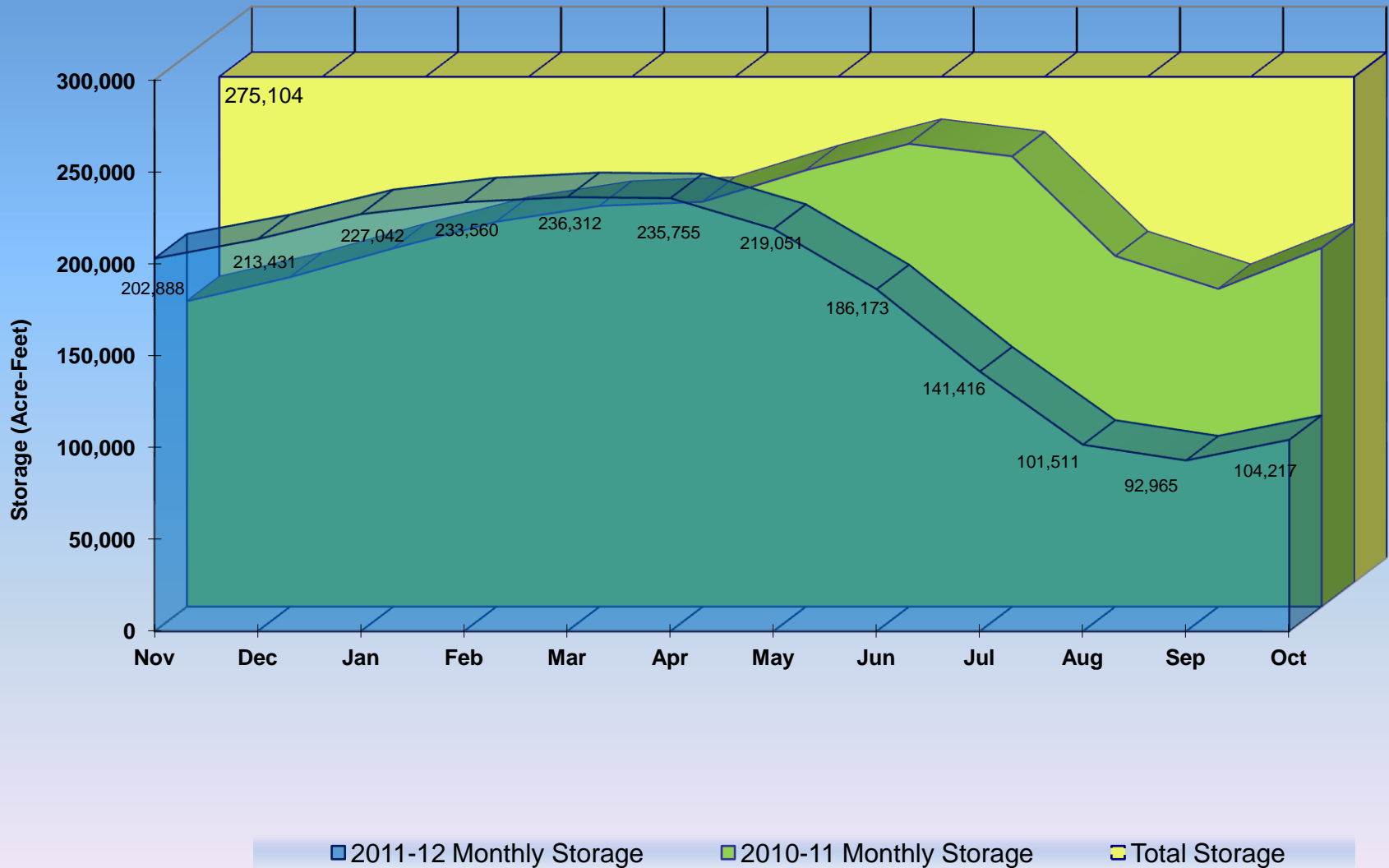
*Empire, Riverside, Jackson, Prewitt, North Sterling, & Julesburg

South Platte Reservoir Storage below Kersey*



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

South Platte Reservoir Storage above Kersey*

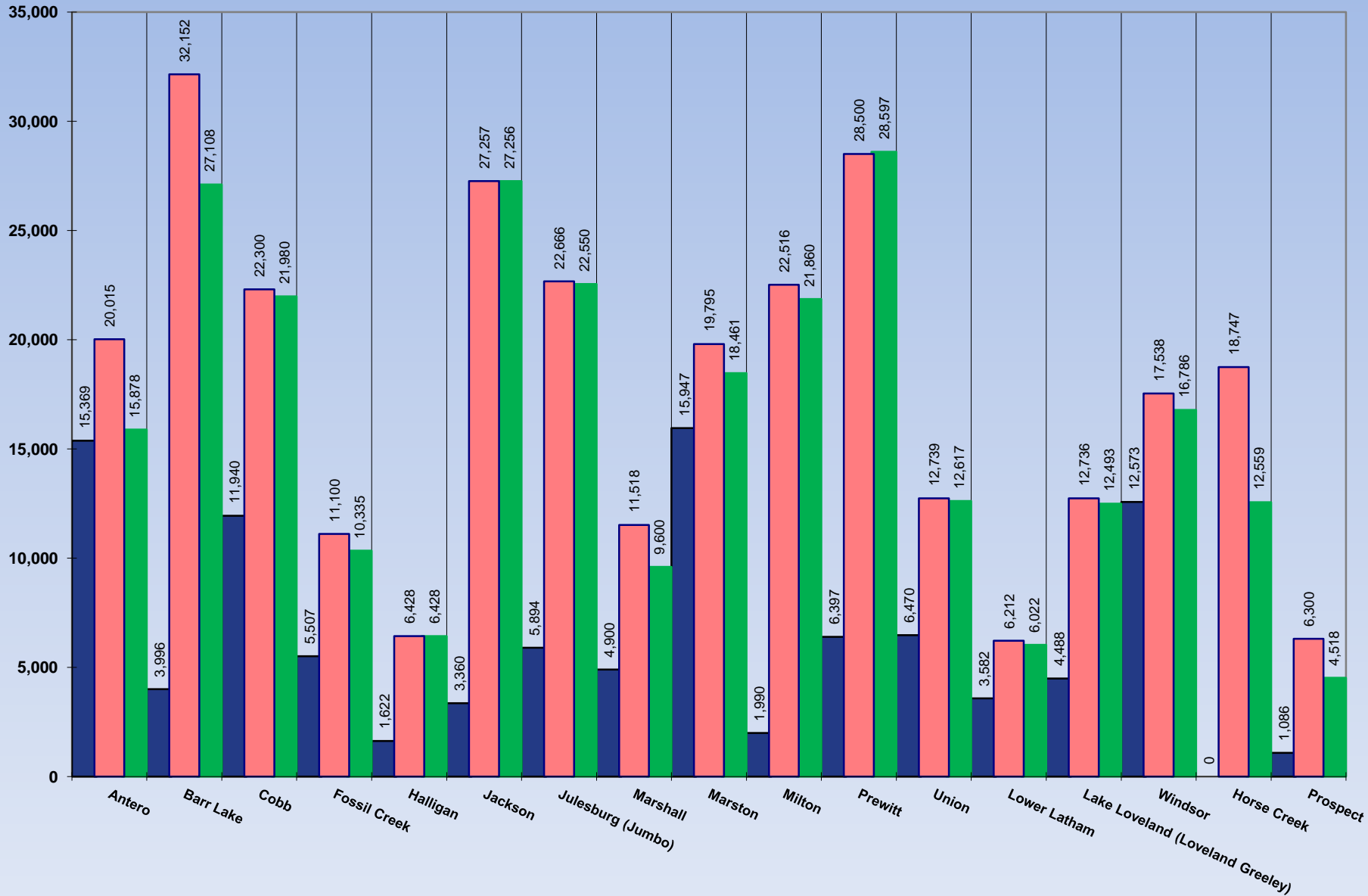


*Barr, Cobb, Fossil Crk, Halligan, Marshall, Milton, Union, Standley, Lower Latham, Boyd, Loveland, Windsor, Horse Crk, & Prospect



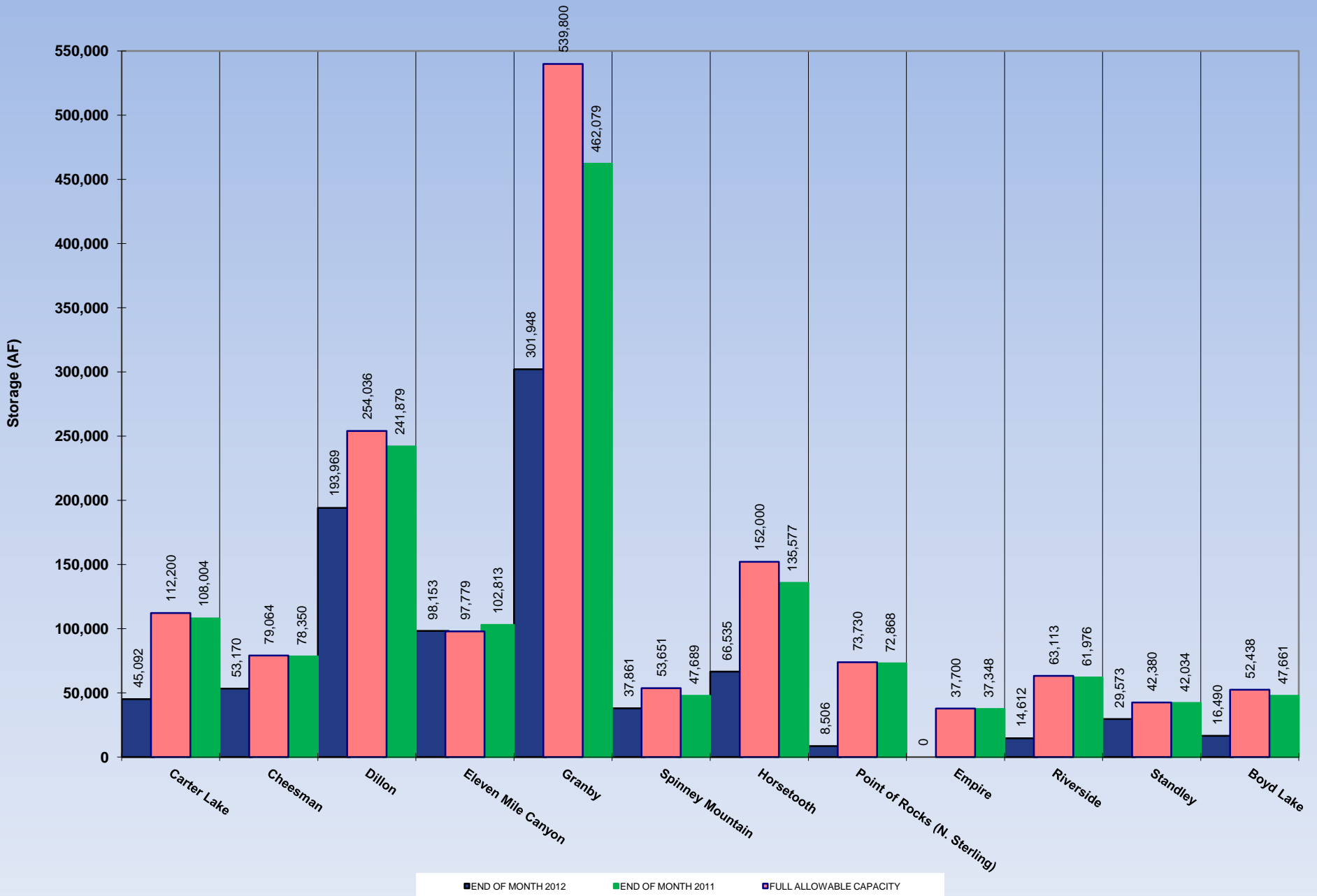
Individual Reservoir Storage Follows

October Reservoir Change in Storage 2011 versus 2012

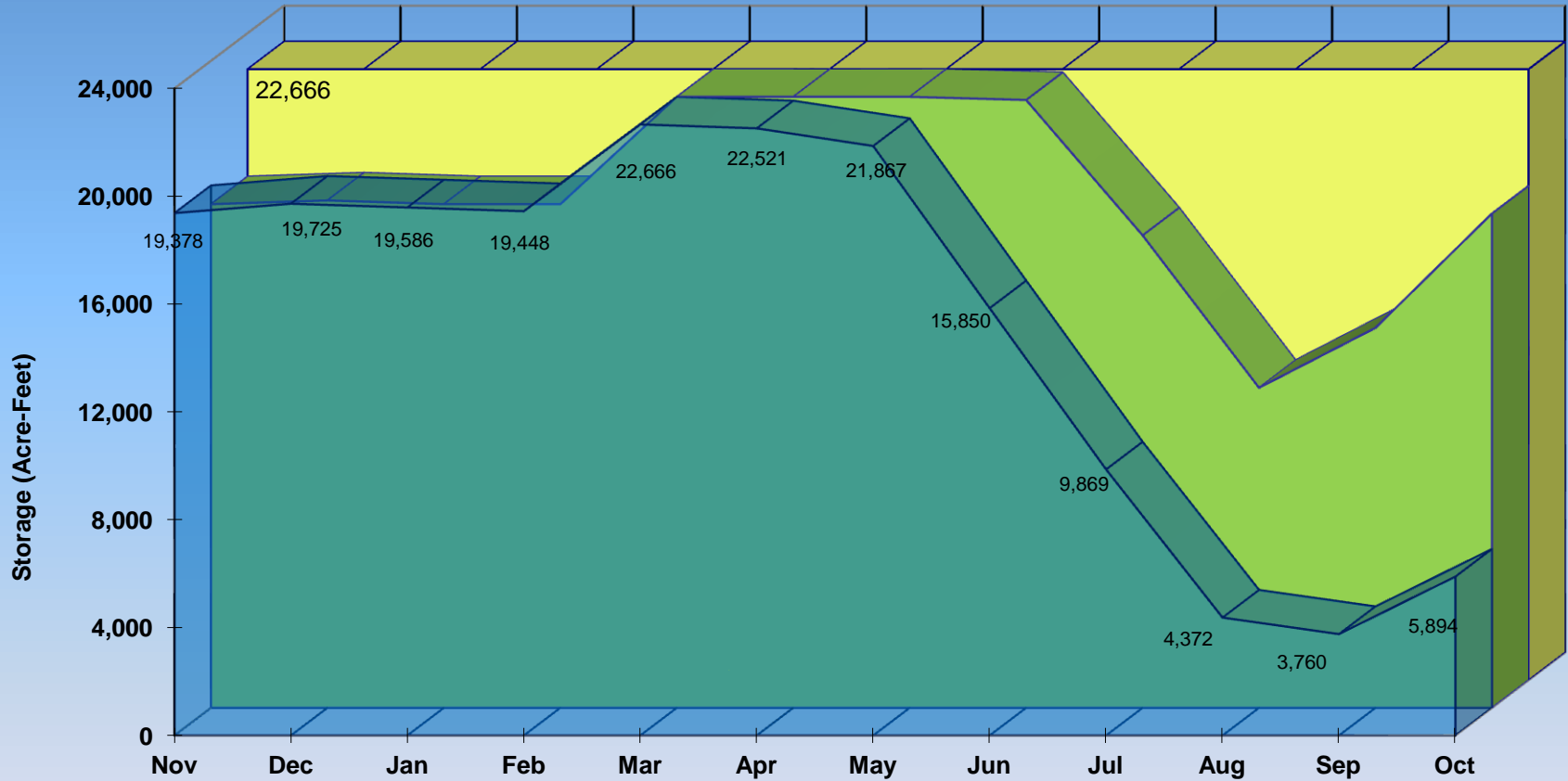


■ END OF MONTH 2012 ■ END OF MONTH 2011 ■ FULL ALLOWABLE CAPACITY

October Reservoir Change in Storage 2011 versus 2012

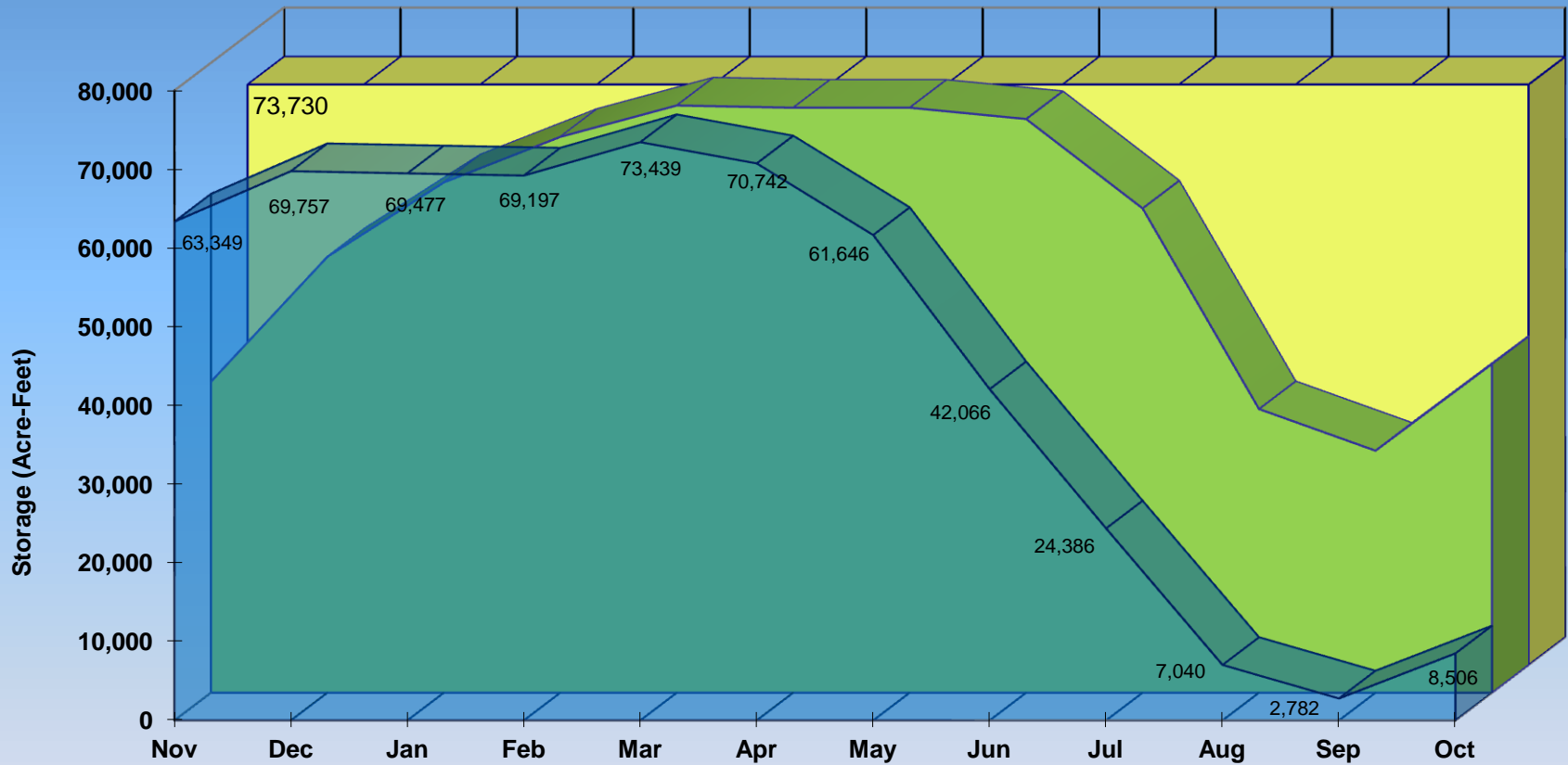


Julesburg Reservoir (District 64 - Agricultural)



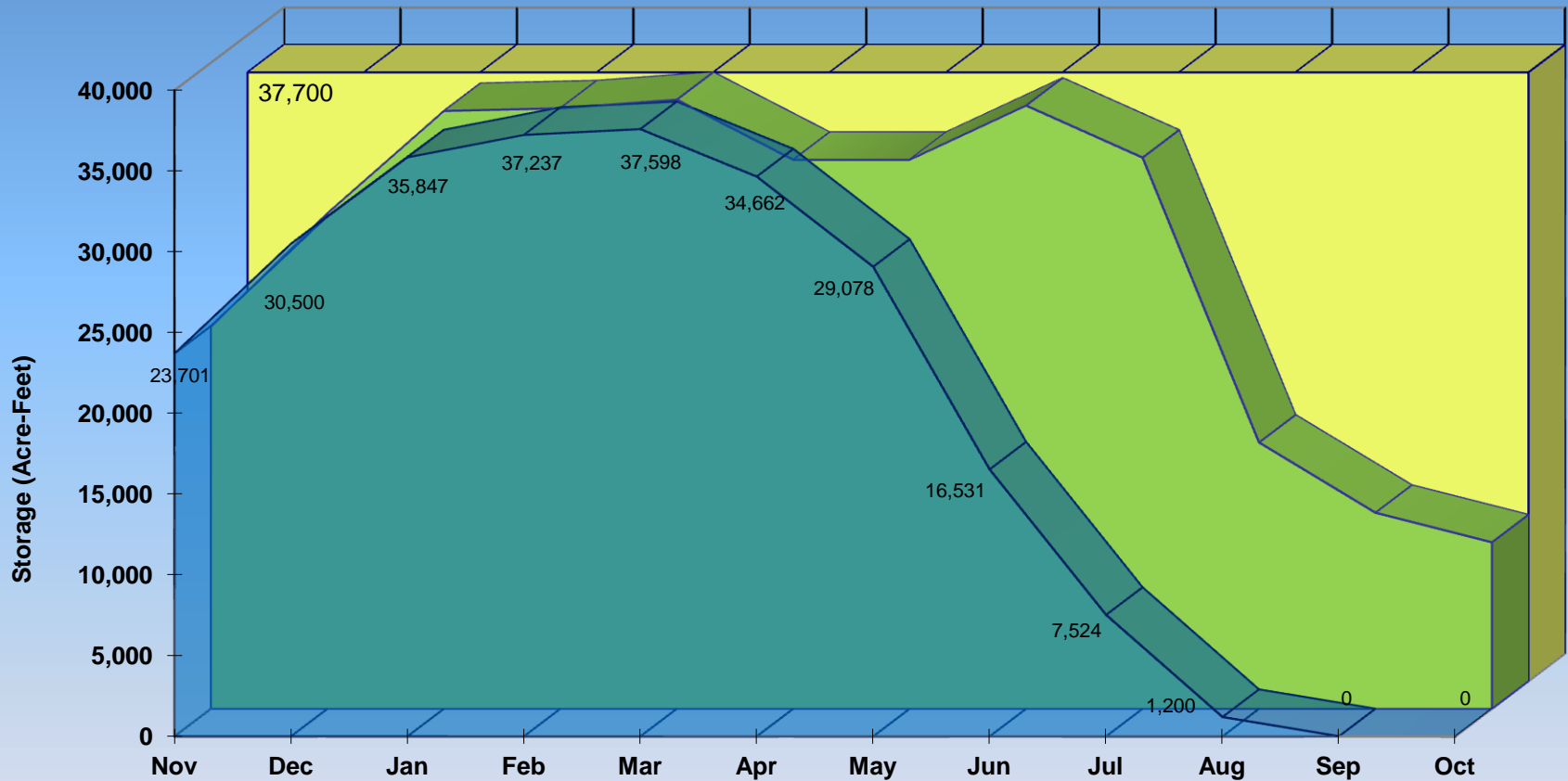
■ 2011-12 Monthly Storage
 ■ 2010-11 Monthly Storage
 ■ Total Storage

North Sterling Reservoir (District 64- Agricultural)



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

Empire Reservoir (District 1- Agricultural)

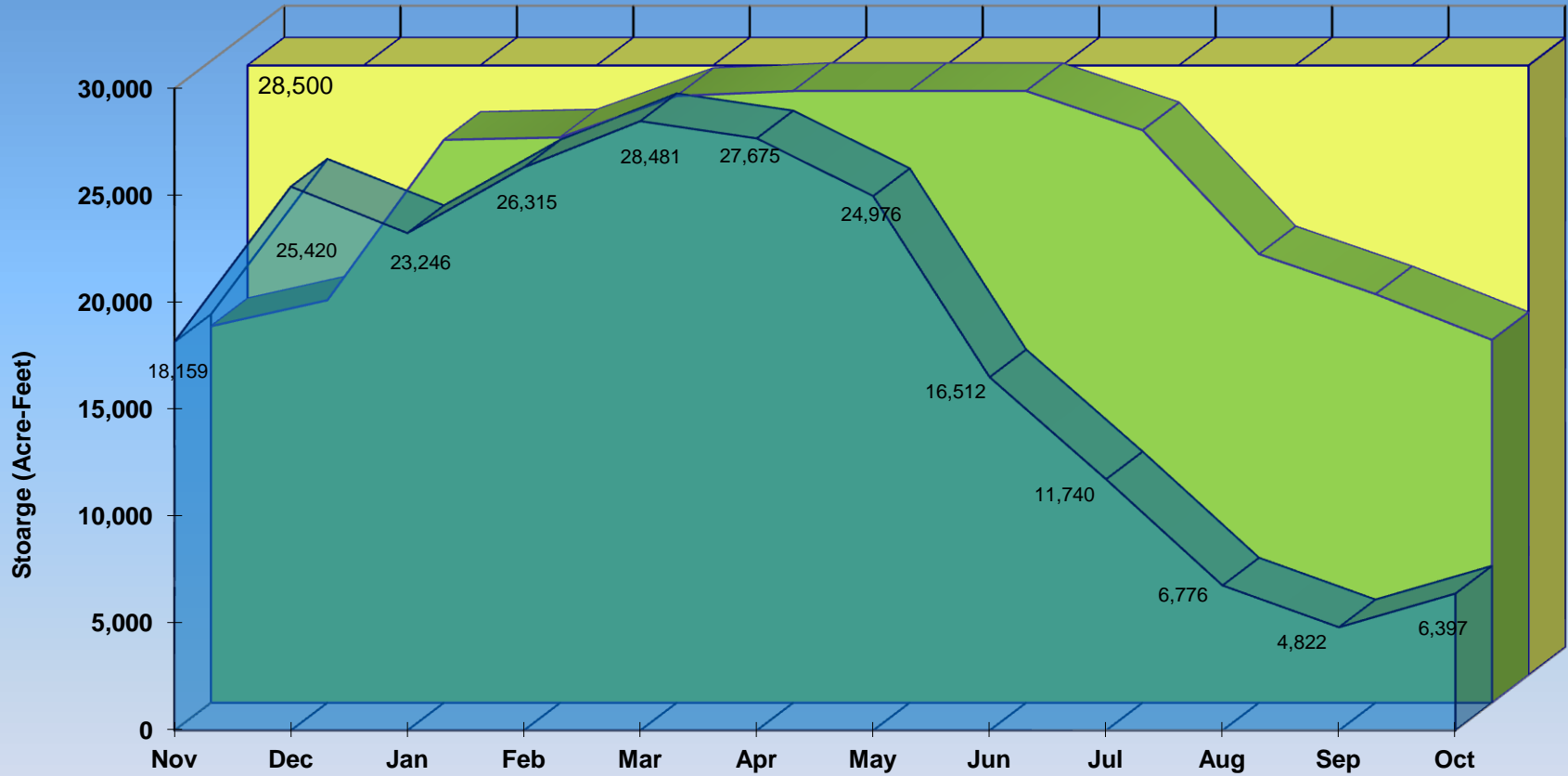


■ 2011-12 Monthly Storage

■ 2010-11 Monthly Storage

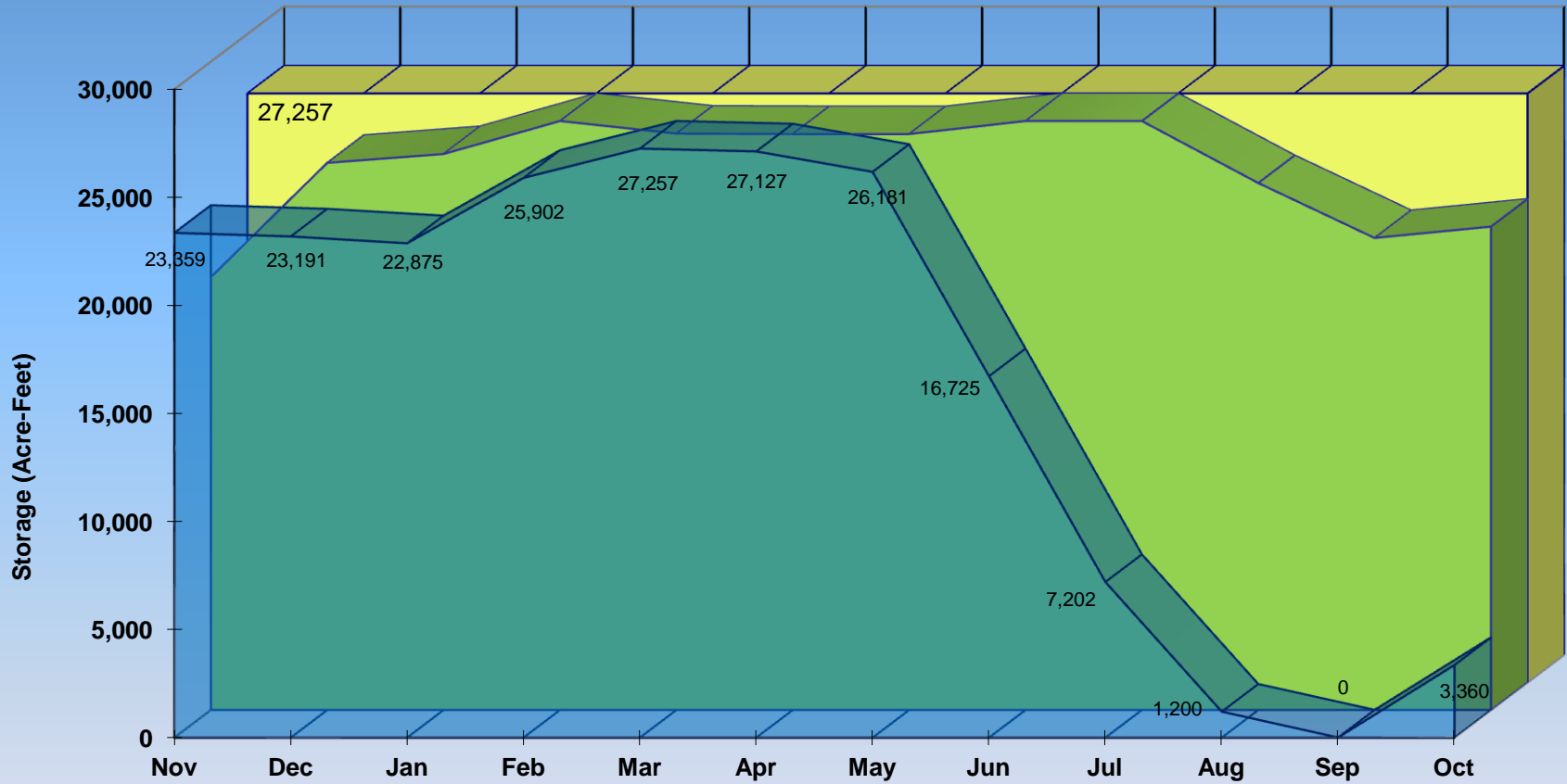
■ Total Storage

Prewitt Reservoir (District 64- Agricultural)



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

Jackson Reservoir (District 1- Agricultural)

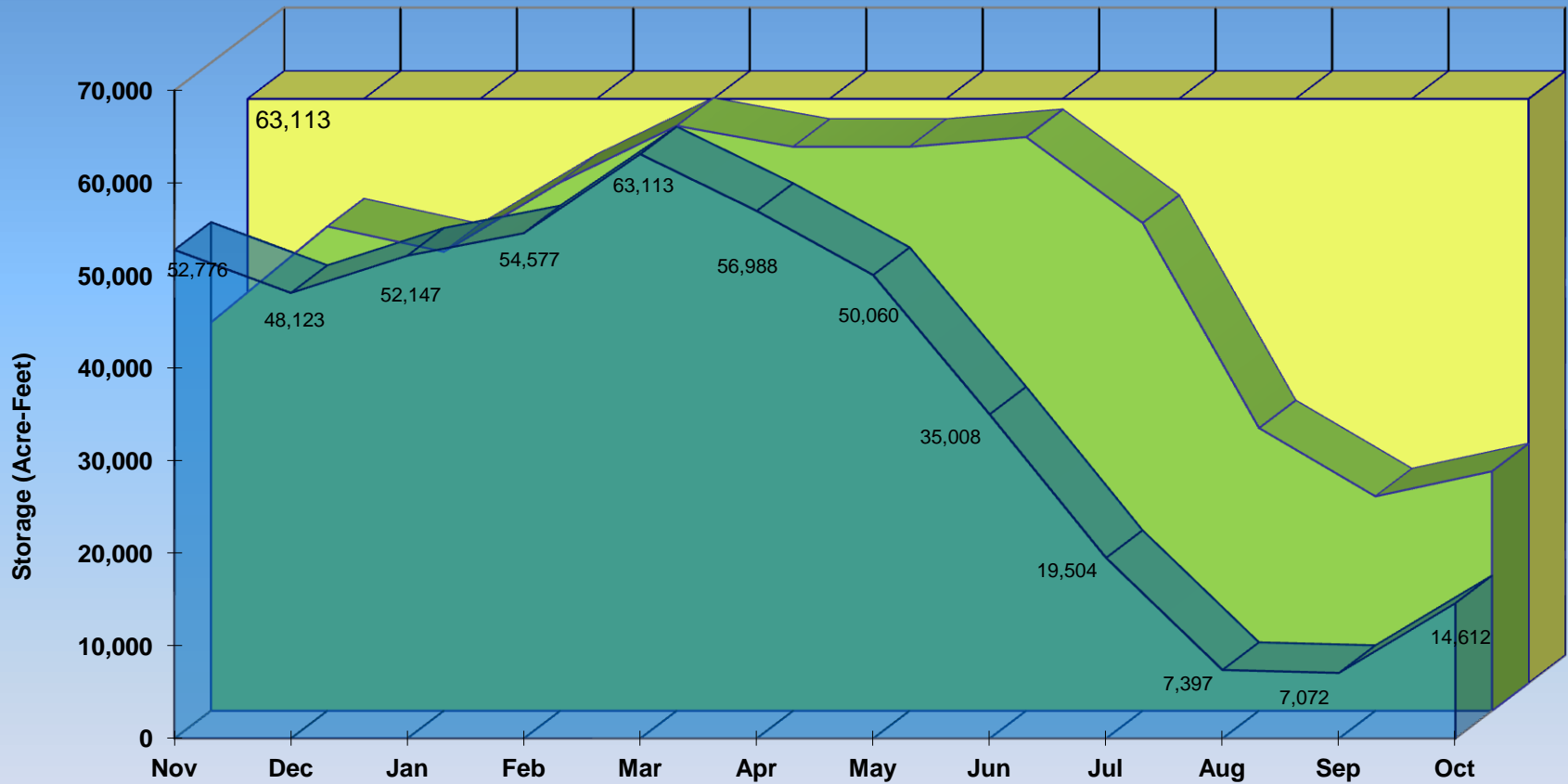


■ 2011-12 Monthly Storage

■ 2010-11 Monthly Storage

■ Total Storage

Riverside Reservoir (District 1 - Agricultural)



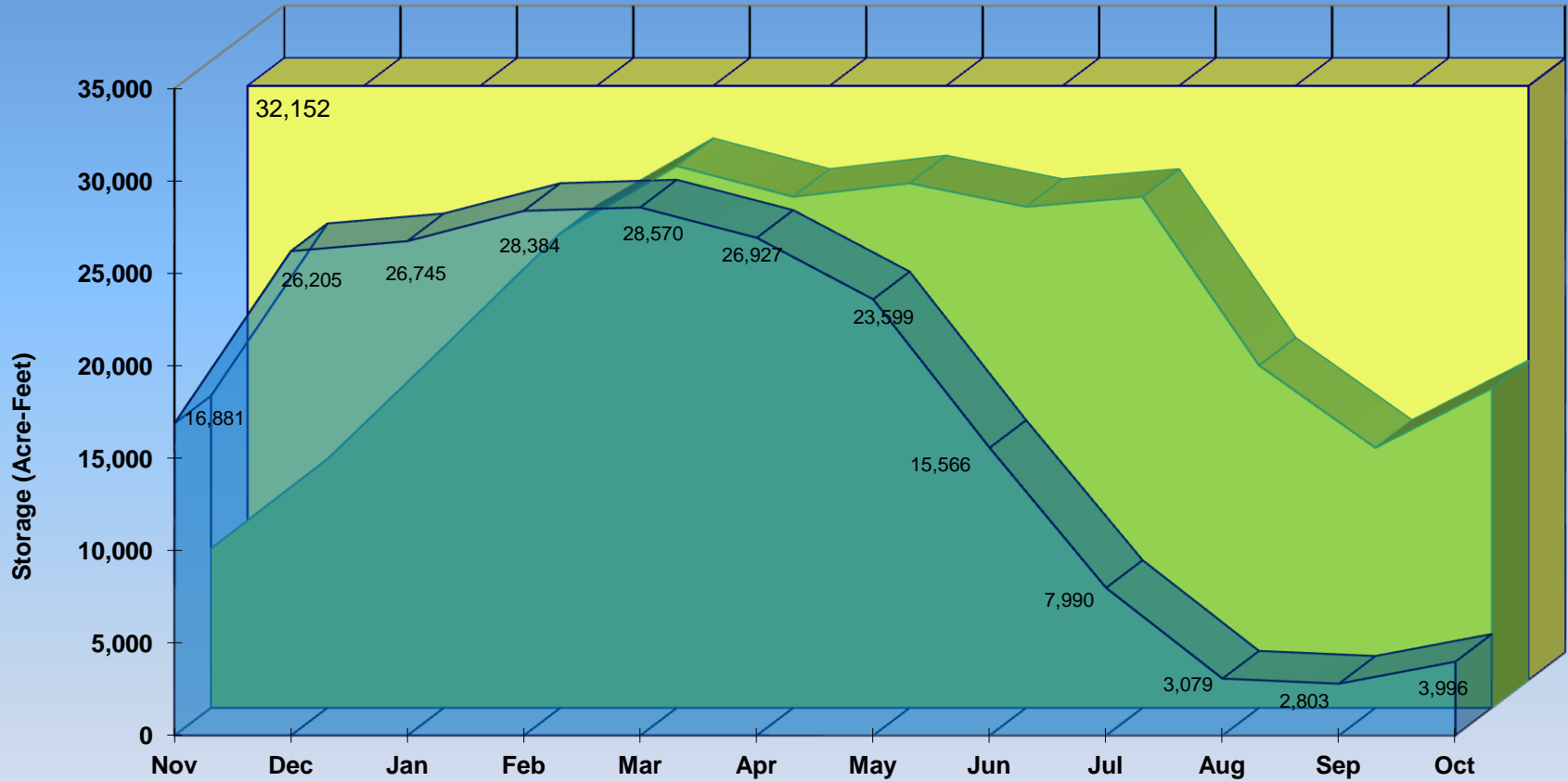
■ 2011-12 Monthly Storage

■ 2010-11 Monthly Storage

■ Total Storage

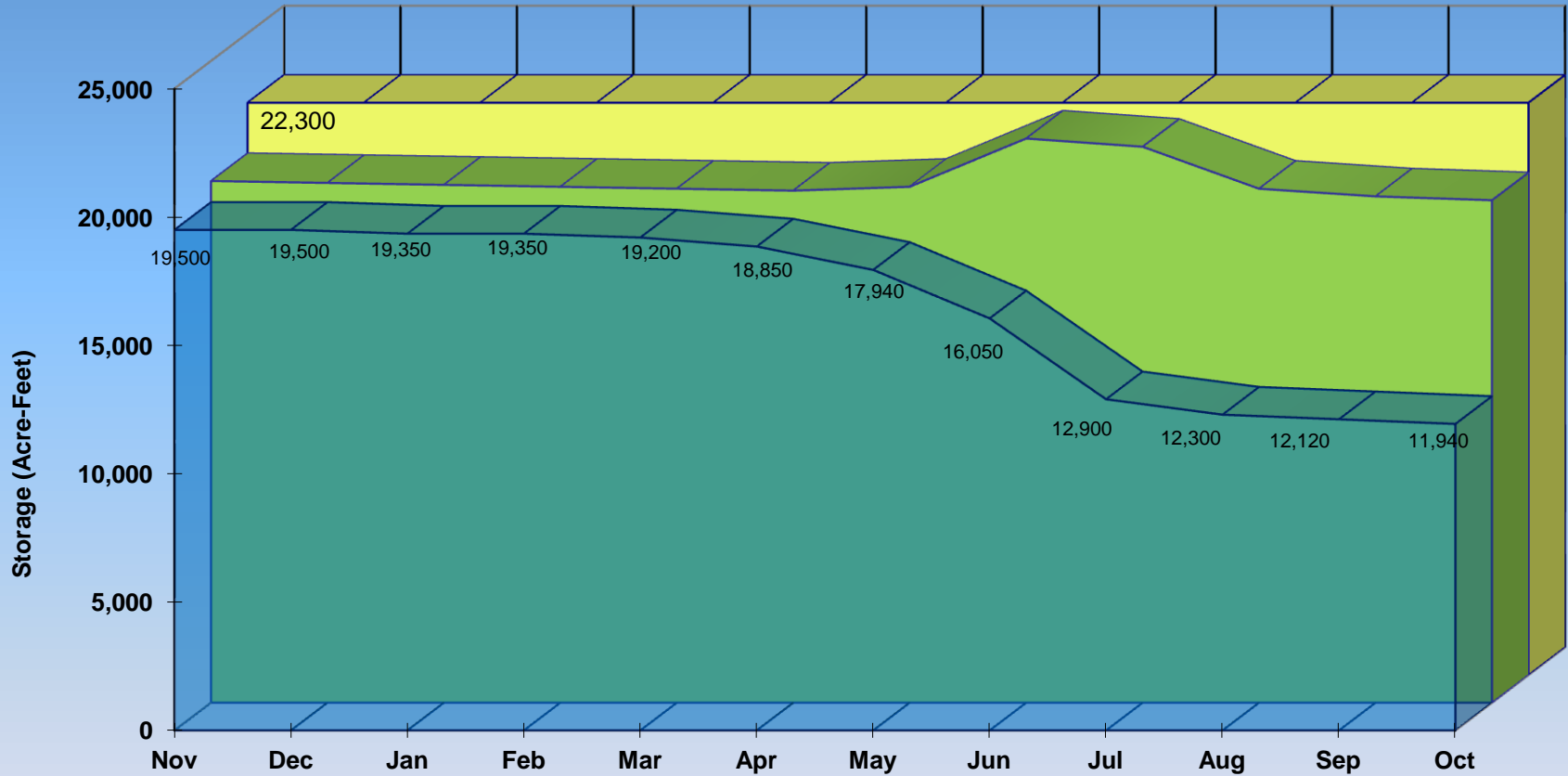
Barr Lake

(District 2 - Agricultural)



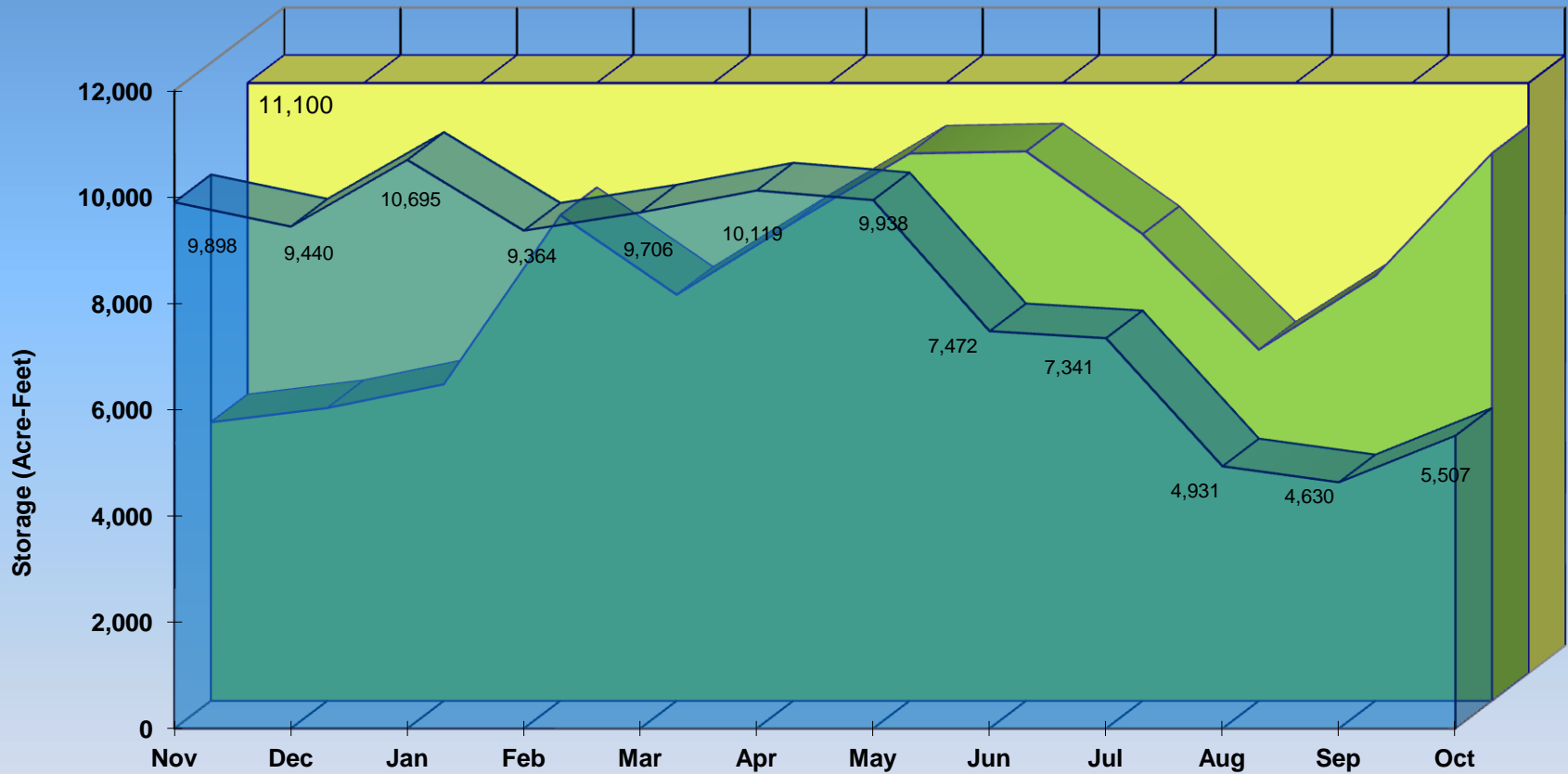
■ 2011-12 Monthly Storage
 ■ 2010-11 Monthly Storage
 ■ Total Storage

Cobb Lake (District 3, Poudre River - Agricultural)



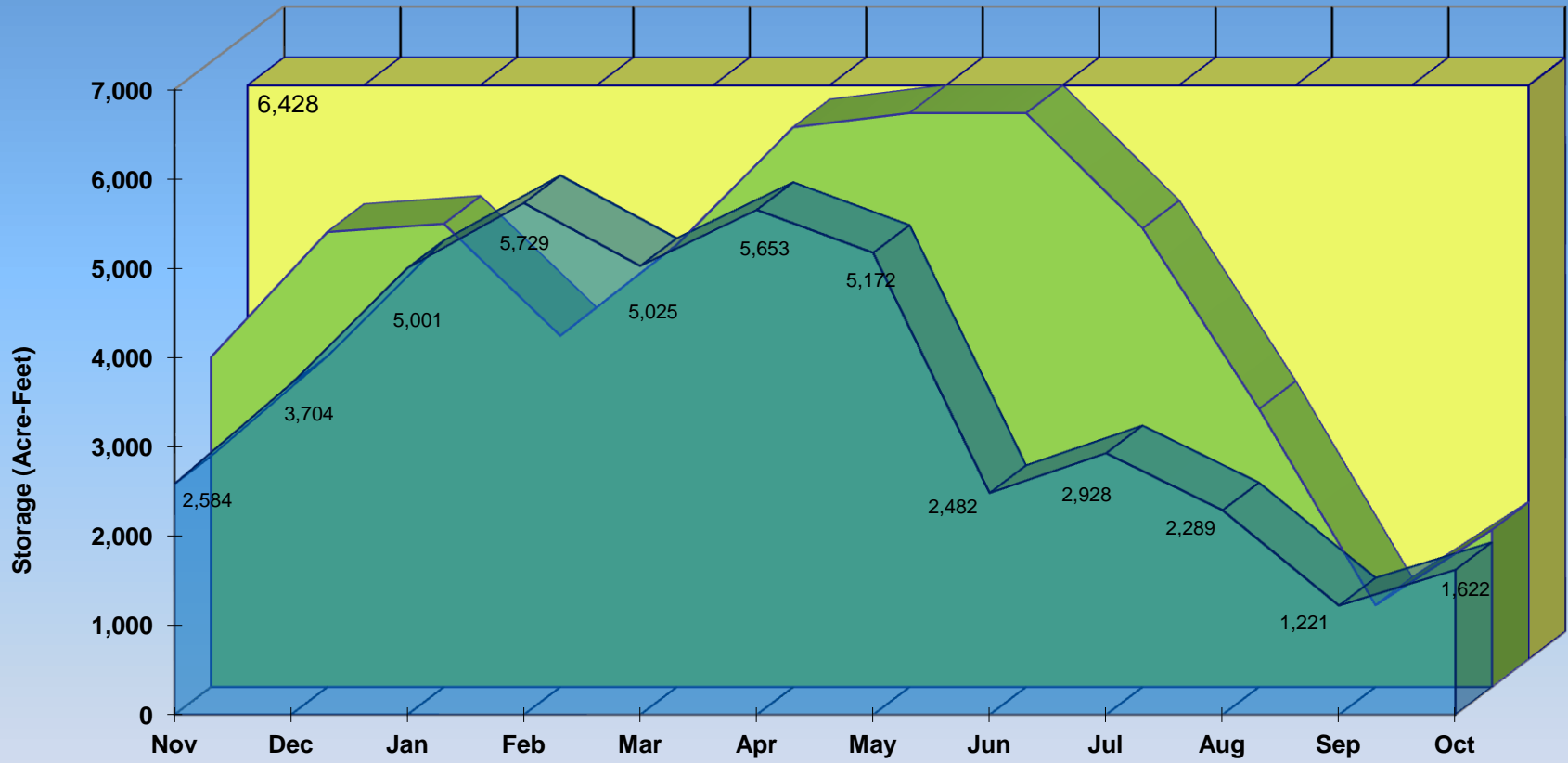
■ 2011-12 Monthly Storage
 ■ 2010-11 Monthly Storage
 ■ Total Storage

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



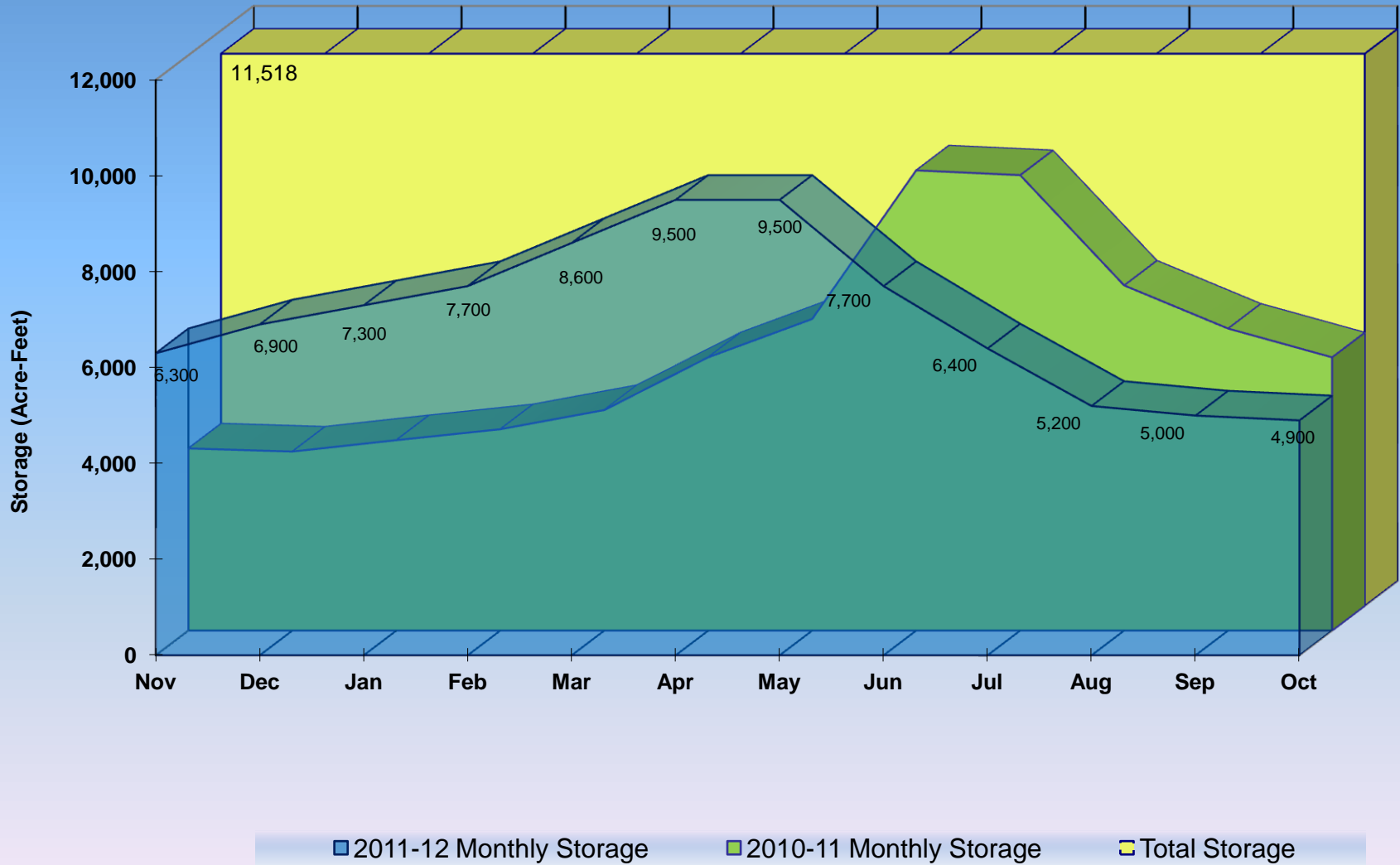
■ 2011-12 Monthly Storage
 ■ 2010-11 Monthly Storage
 ■ Total Storage

Halligan Reservoir (District 3, Poudre River - Agricultural)

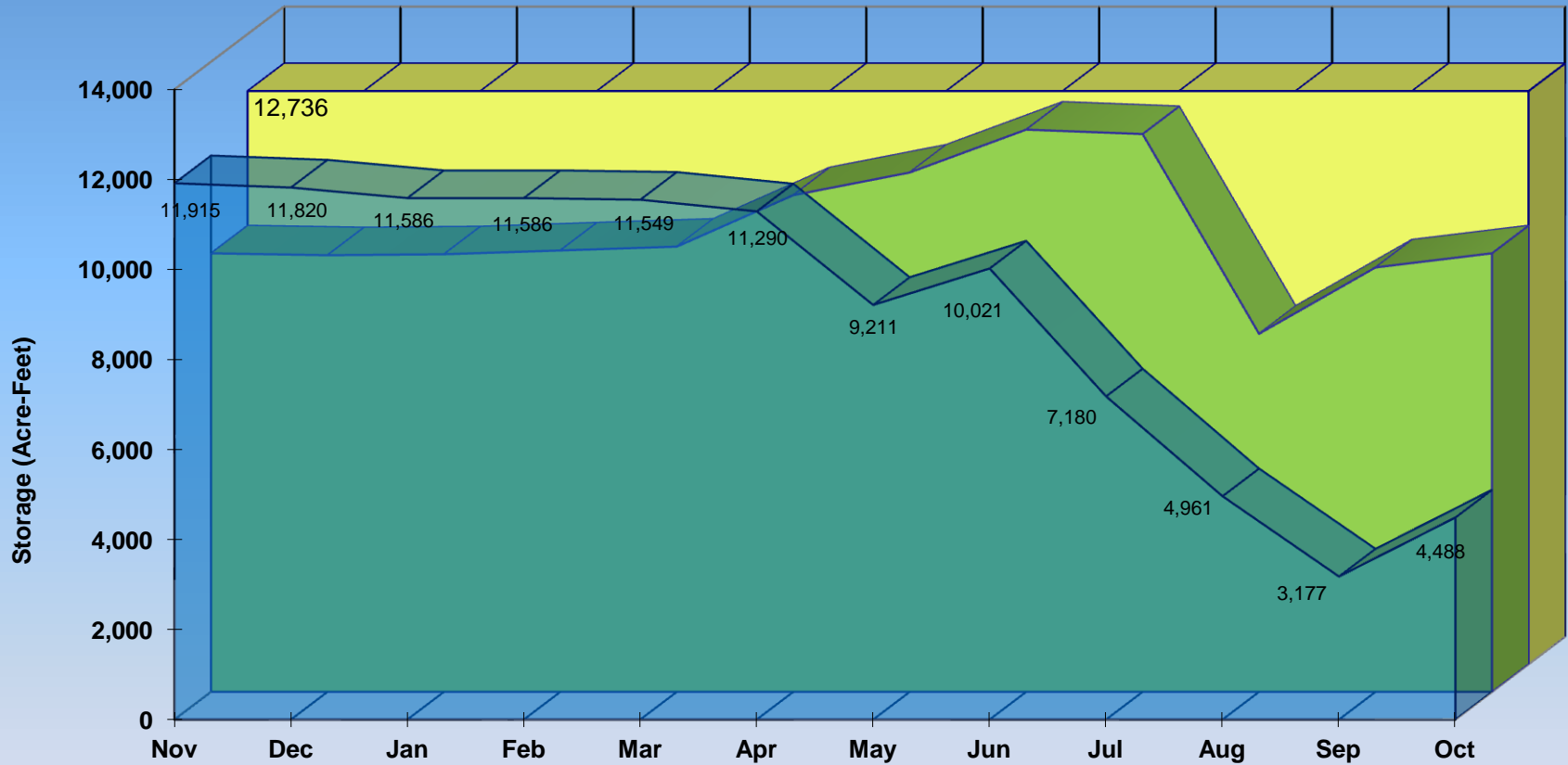


■ 2011-12 Monthly Storage
 ■ 2010-11 Monthly Storage
 ■ Total Storage

Marshall Lake (District 6, Boulder Creek - Agricultural)

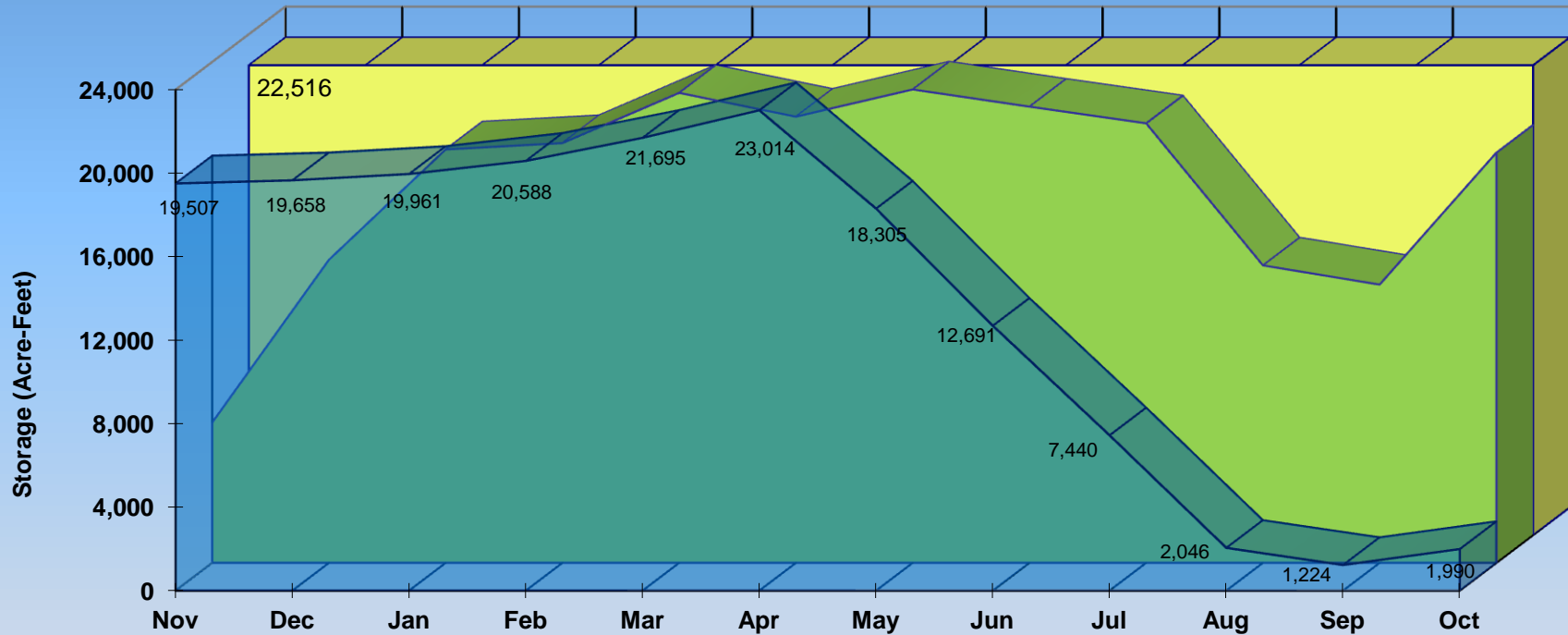


Loveland Greeley Reservoir (District 4, Big Thompson River - Agricultural)



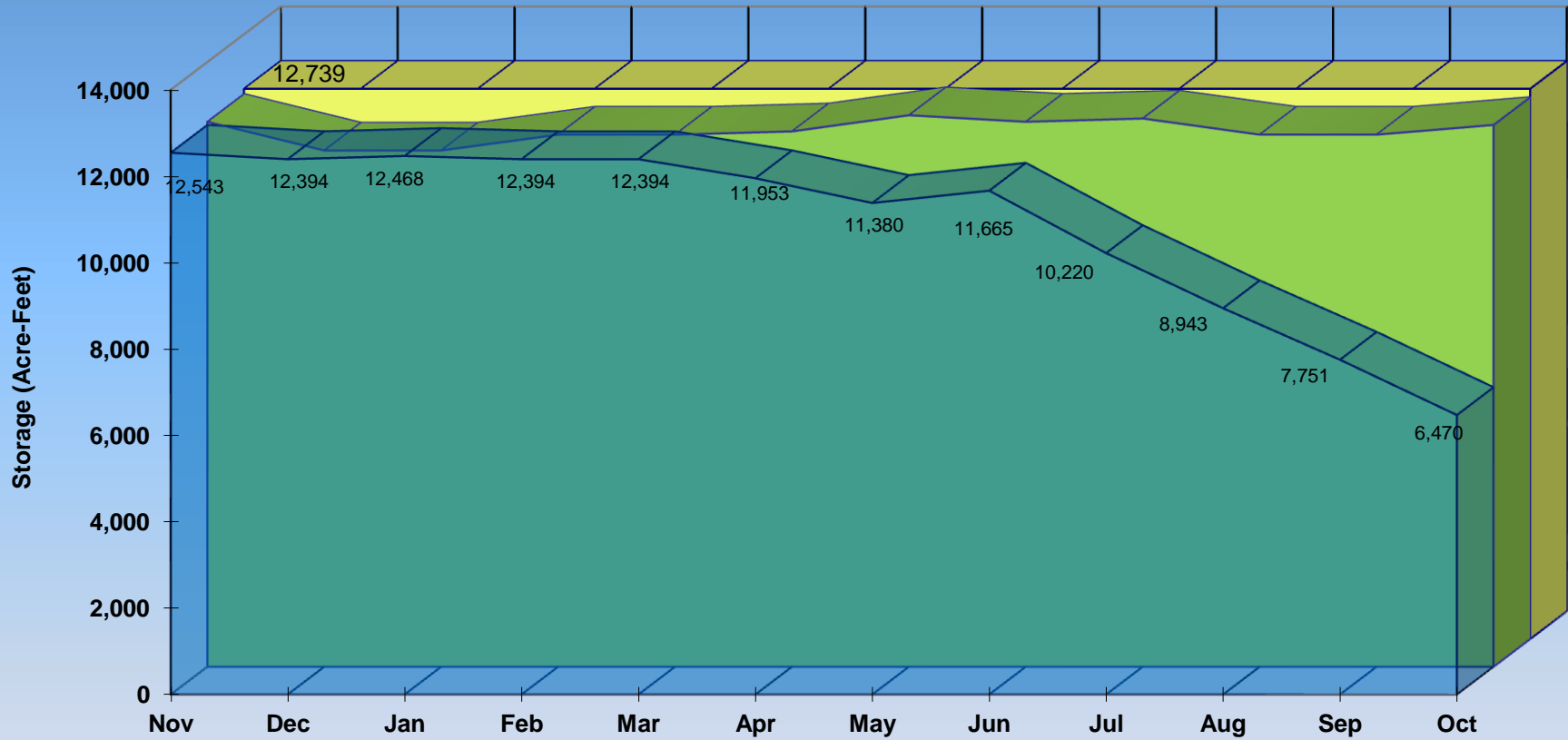
■ 2011-12 Monthly Storage
 ■ 2010-11 Monthly Storage
 ■ Total Storage

Milton Reservoir (District 2 - Agricultural)



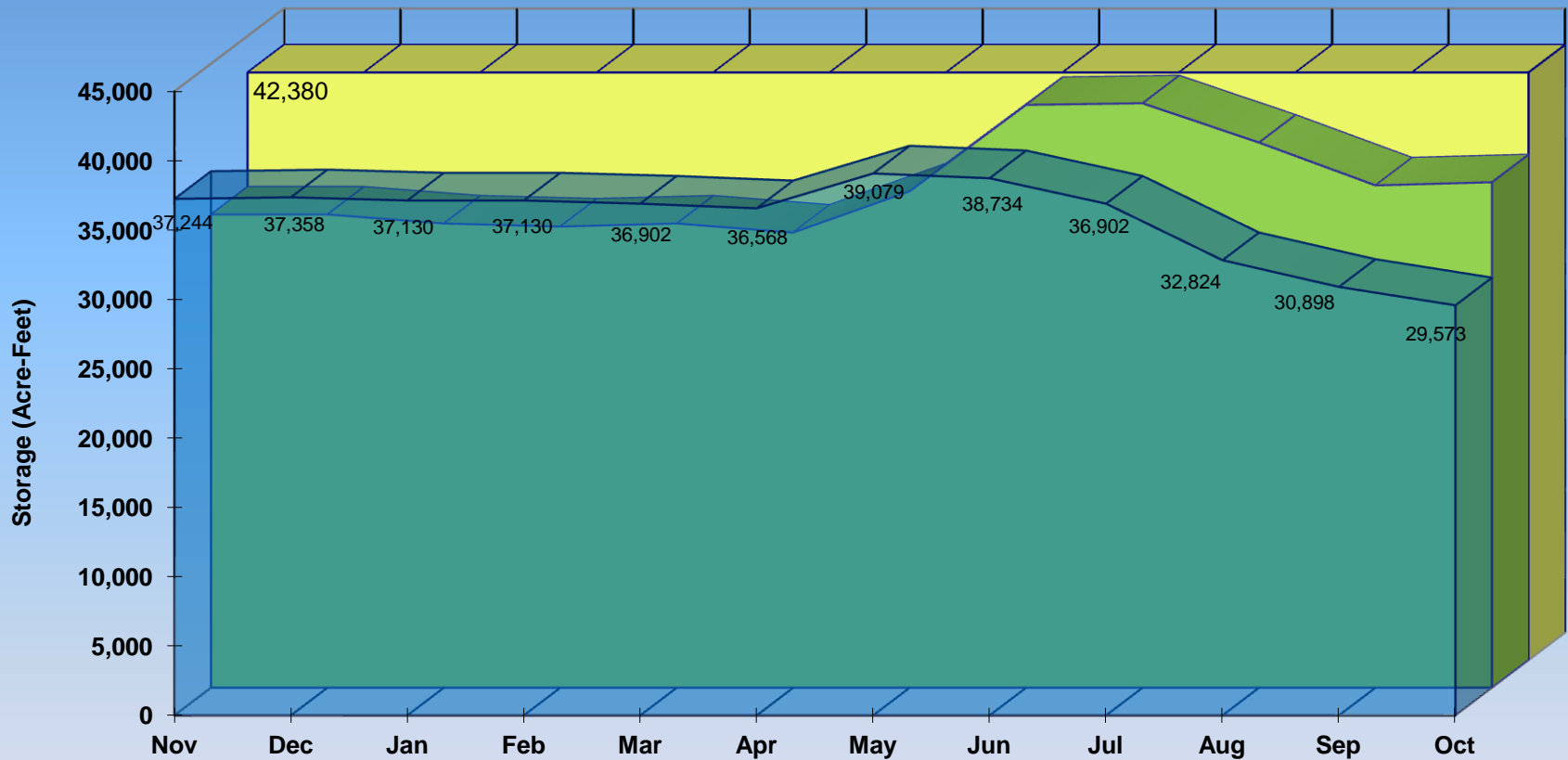
■ 2011-12 Monthly Storage
 ■ 2010-11 Monthly Storage
 ■ Total Storage

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



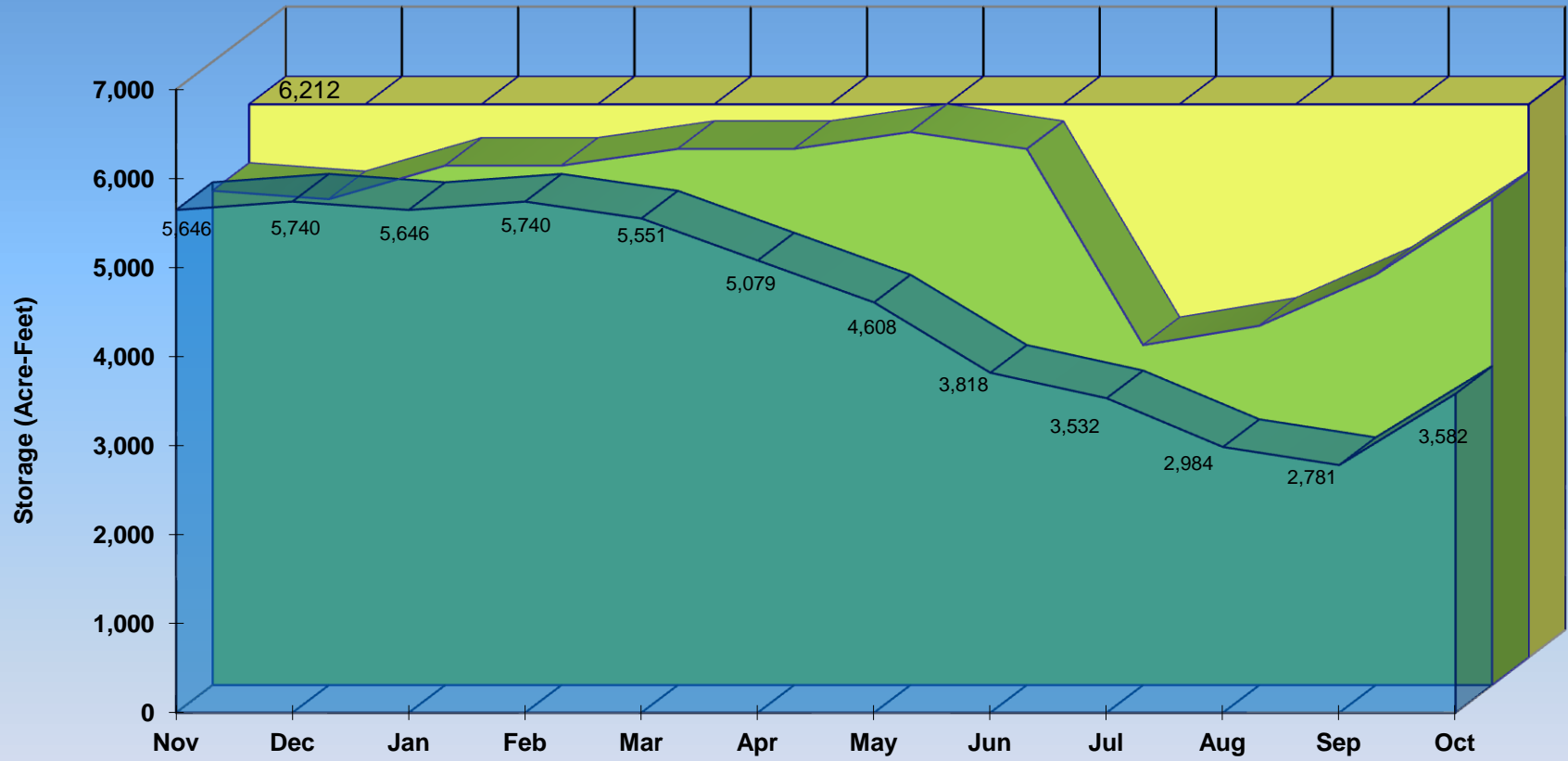
■ 2011-12 Monthly Storage
 ■ 2010-11 Monthly Storage
 ■ Total Storage

Standley Lake (Agricultural)



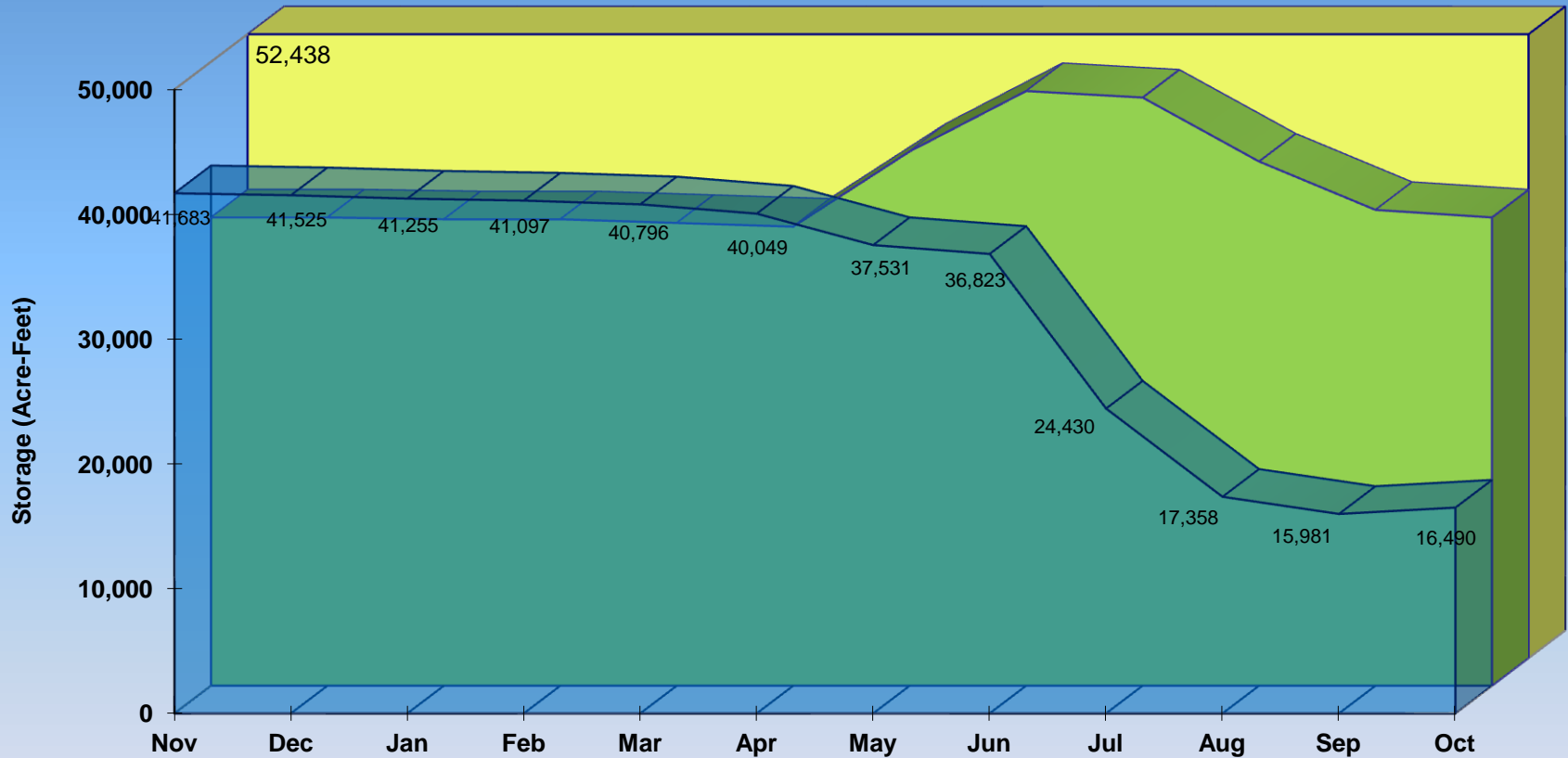
■ 2011-12 Monthly Storage
 ■ 2010-11 Monthly Storage
 ■ Total Storage

Lower Latham Reservoir (District 2 - Agricultural)



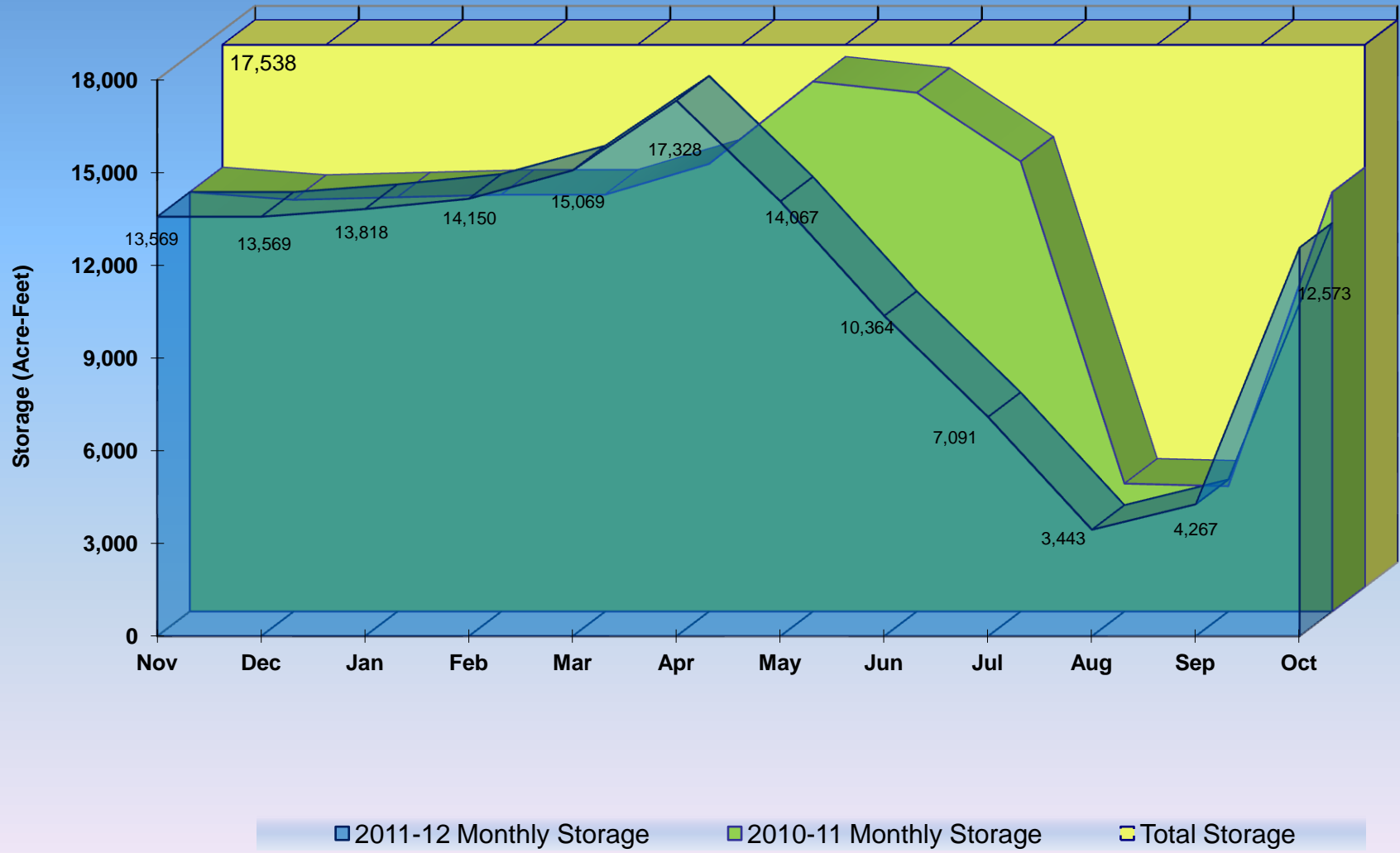
■ 2011-12 Monthly Storage
 ■ 2010-11 Monthly Storage
 ■ Total Storage

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

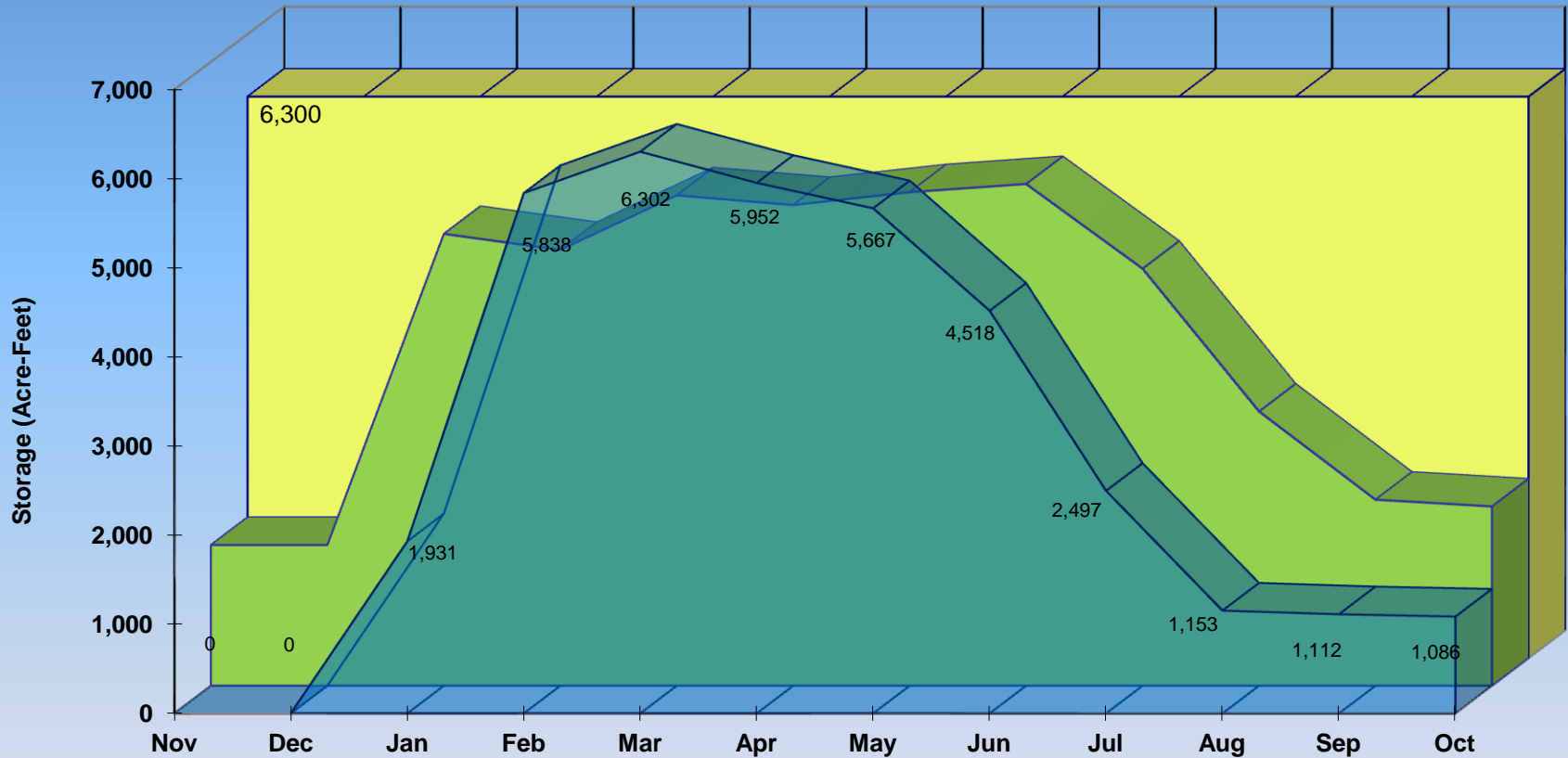


■ 2011-12 Monthly Storage
 ■ 2010-11 Monthly Storage
 ■ Total Storage

Windsor Reservoir (District 3, Poudre River - Agricultural)



Prospect Reservoir (District 1- Agricultural)

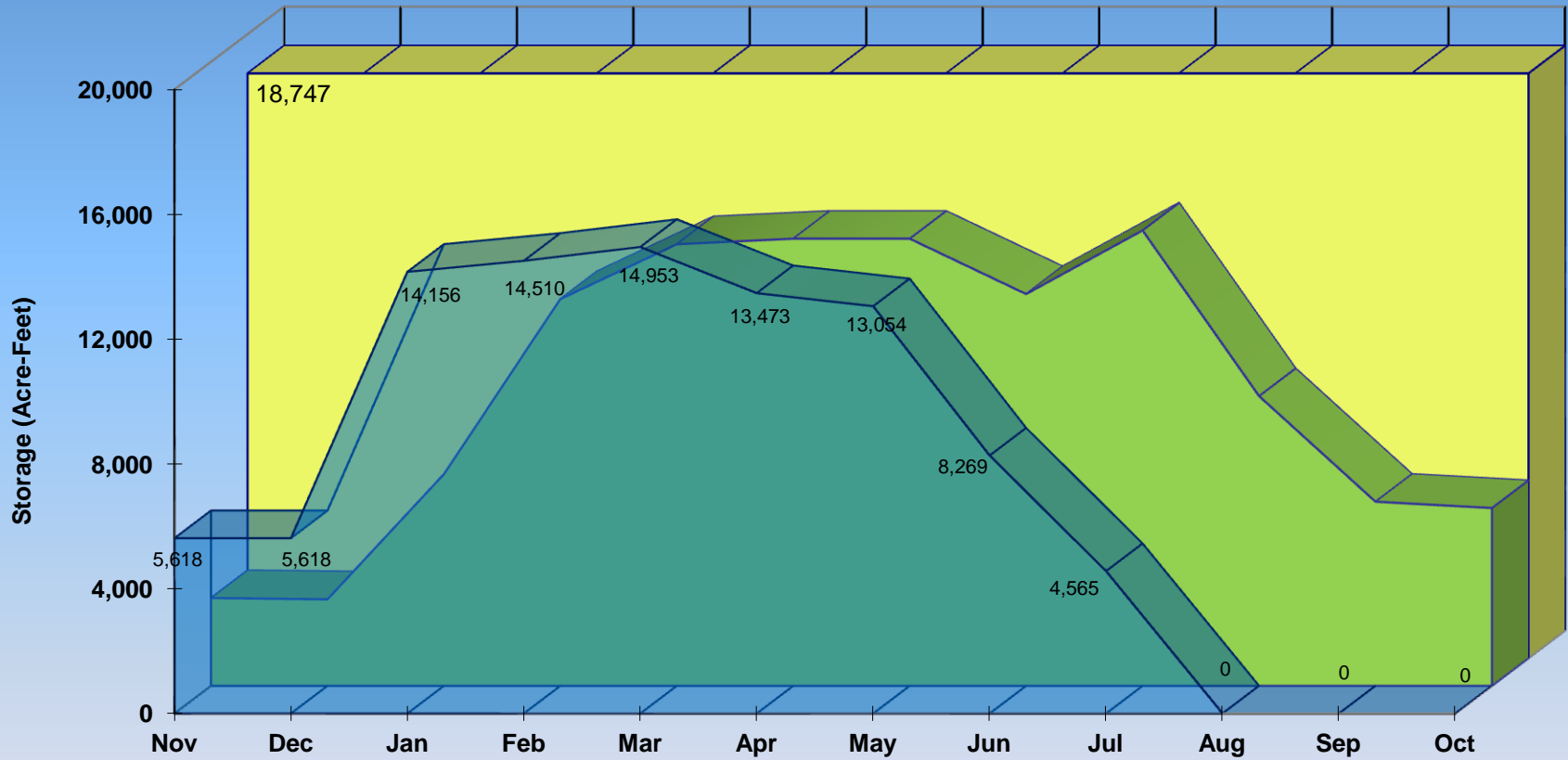


■ 2011-12 Monthly Storage

■ 2009-10 Monthly Storage

■ Total Storage

Horse Creek Reservoir (District 1 - Agricultural)

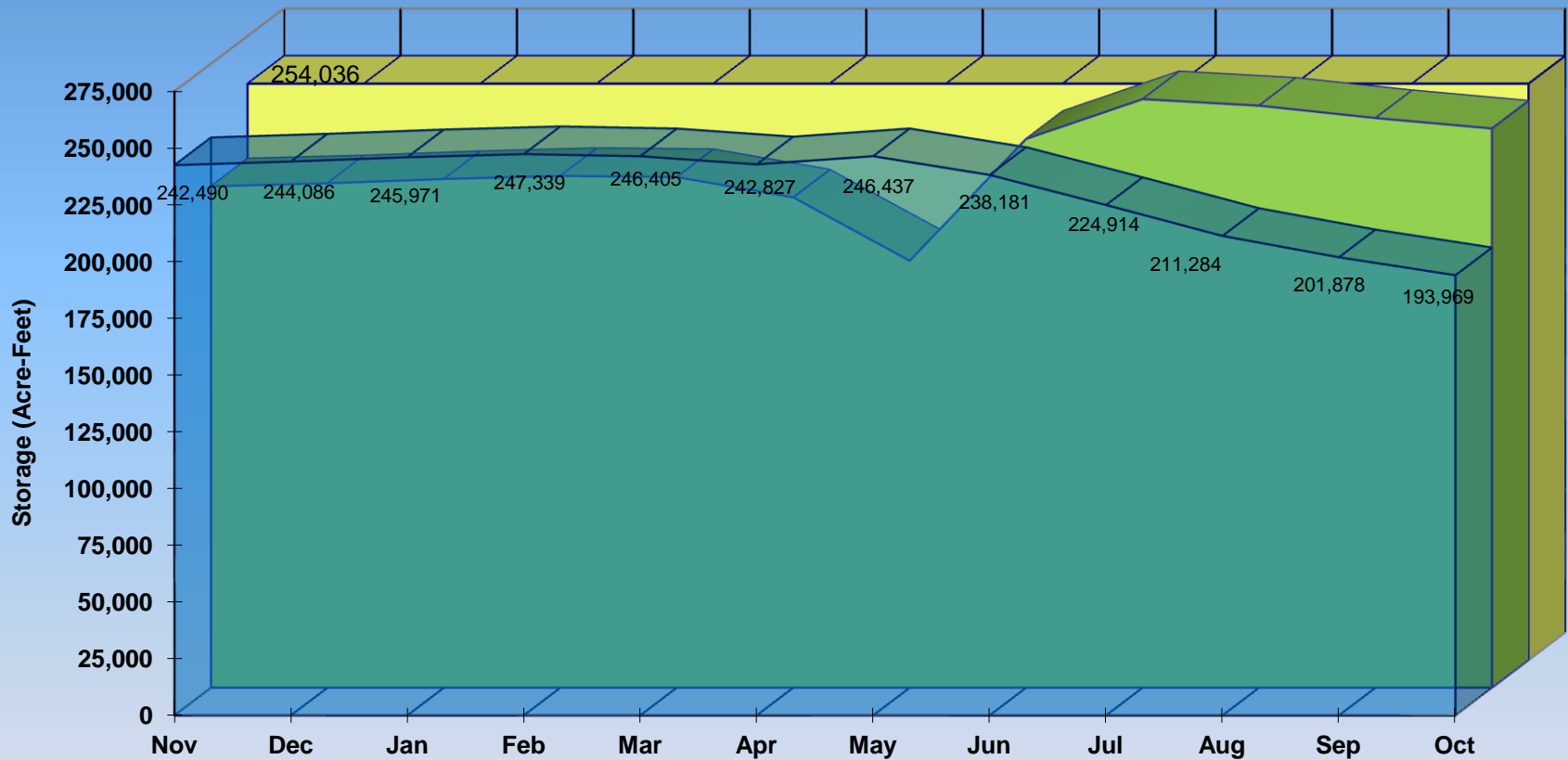


■ 2011-12 Monthly Storage

■ 2010-11 Monthly Storage

■ Total Storage

Dillon Reservoir (Municipal)

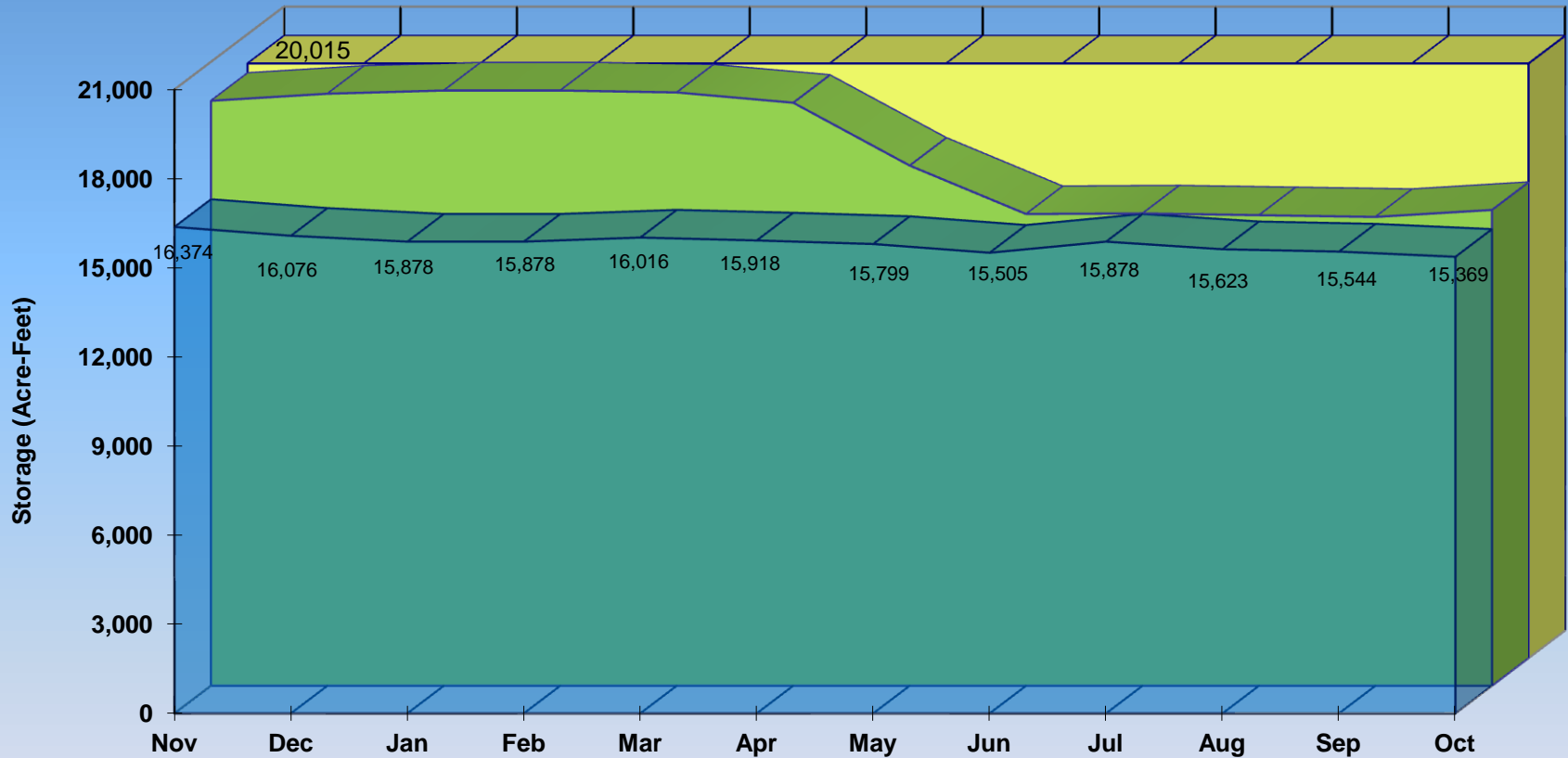


2011-12 Monthly Storage

2010-11 Monthly Storage

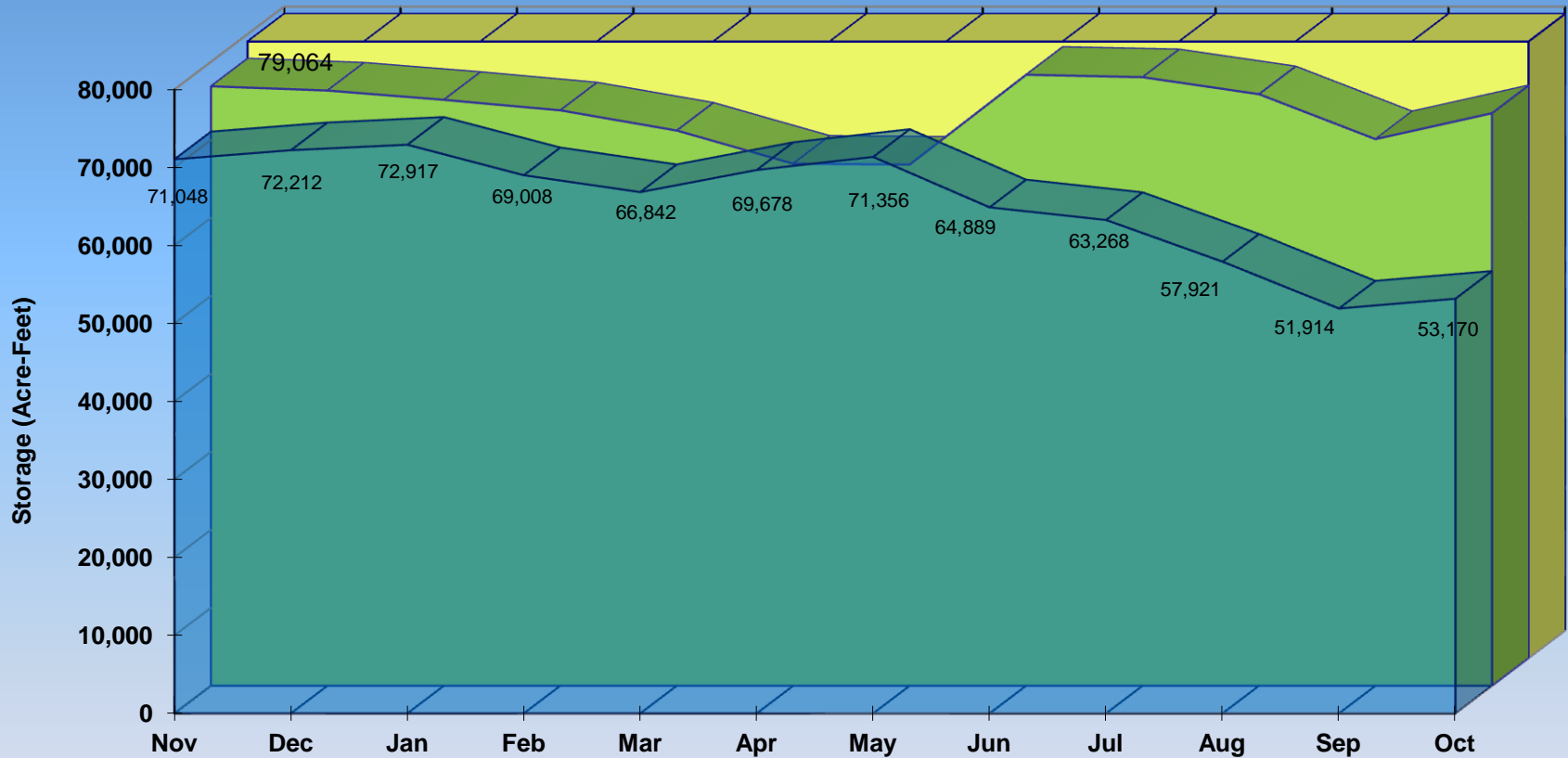
Total Storage

Antero Reservoir (District 23 - Municipal)



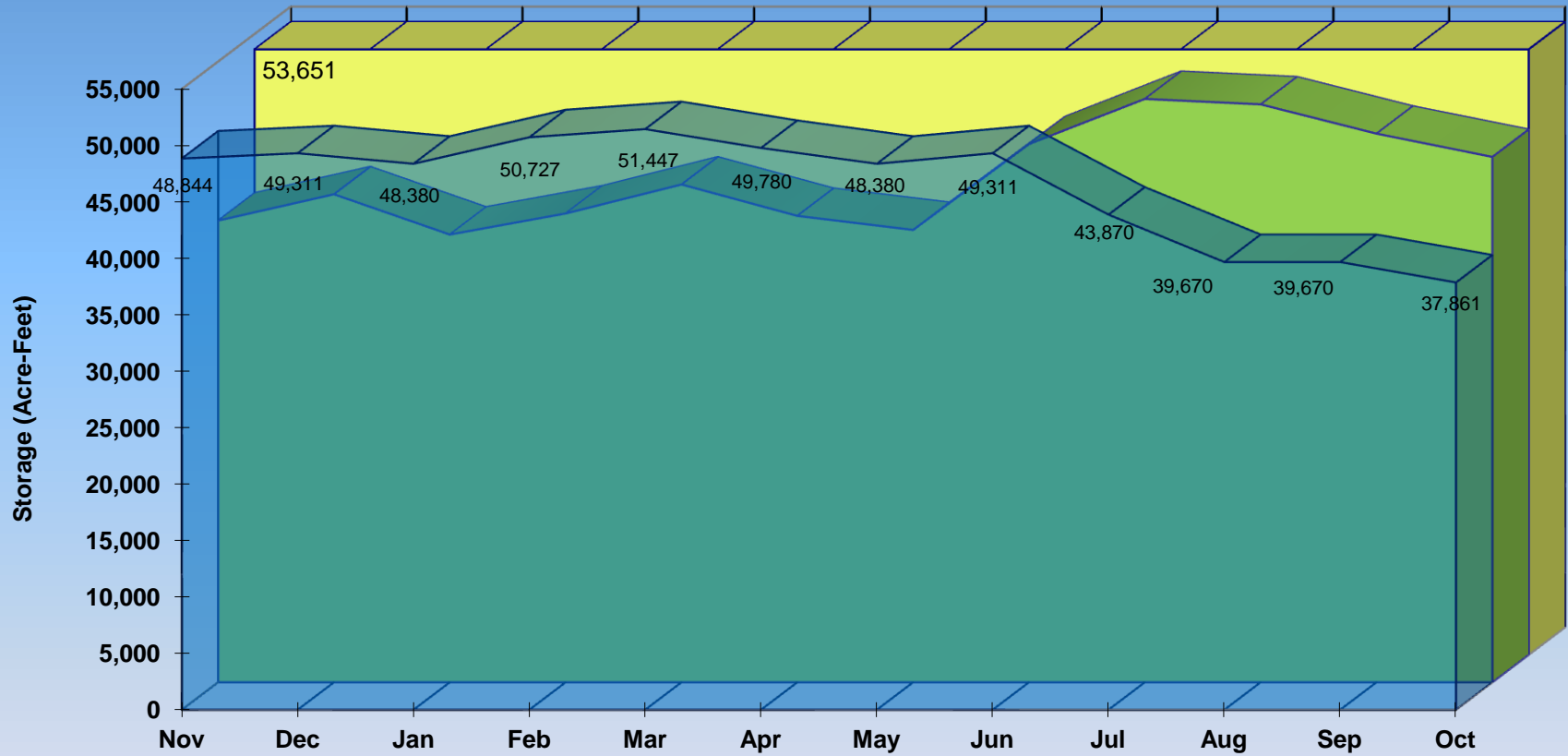
■ 2011-12 Monthly Storage
 ■ 2010-11 Monthly Storage
 ■ Total Storage

Cheesman Reservoir (District 80 - Municipal)



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

Spinney Mountain Reservoir (District 23 - Municipal)

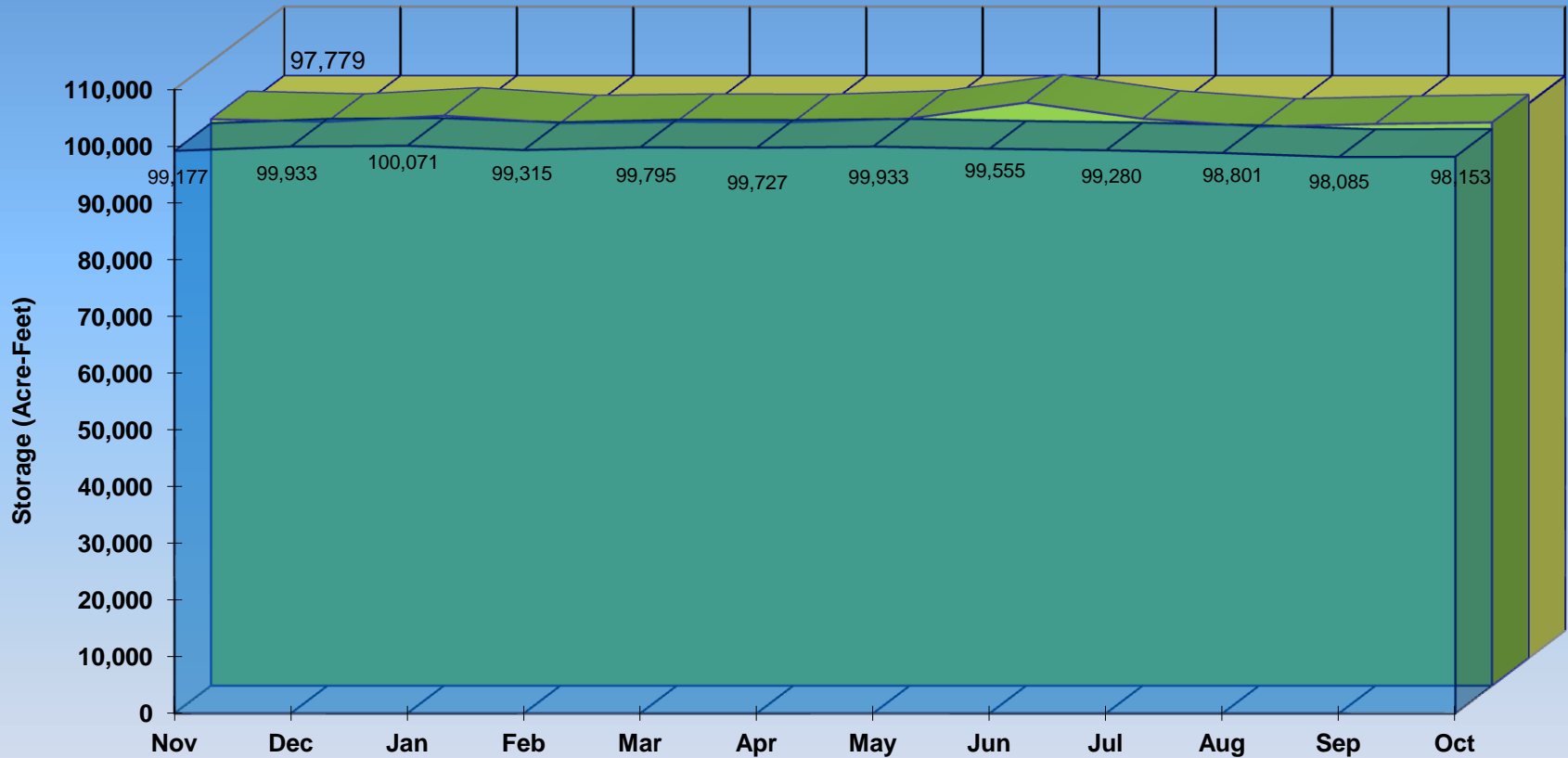


2011-12 Monthly Storage

2010-11 Monthly Storage

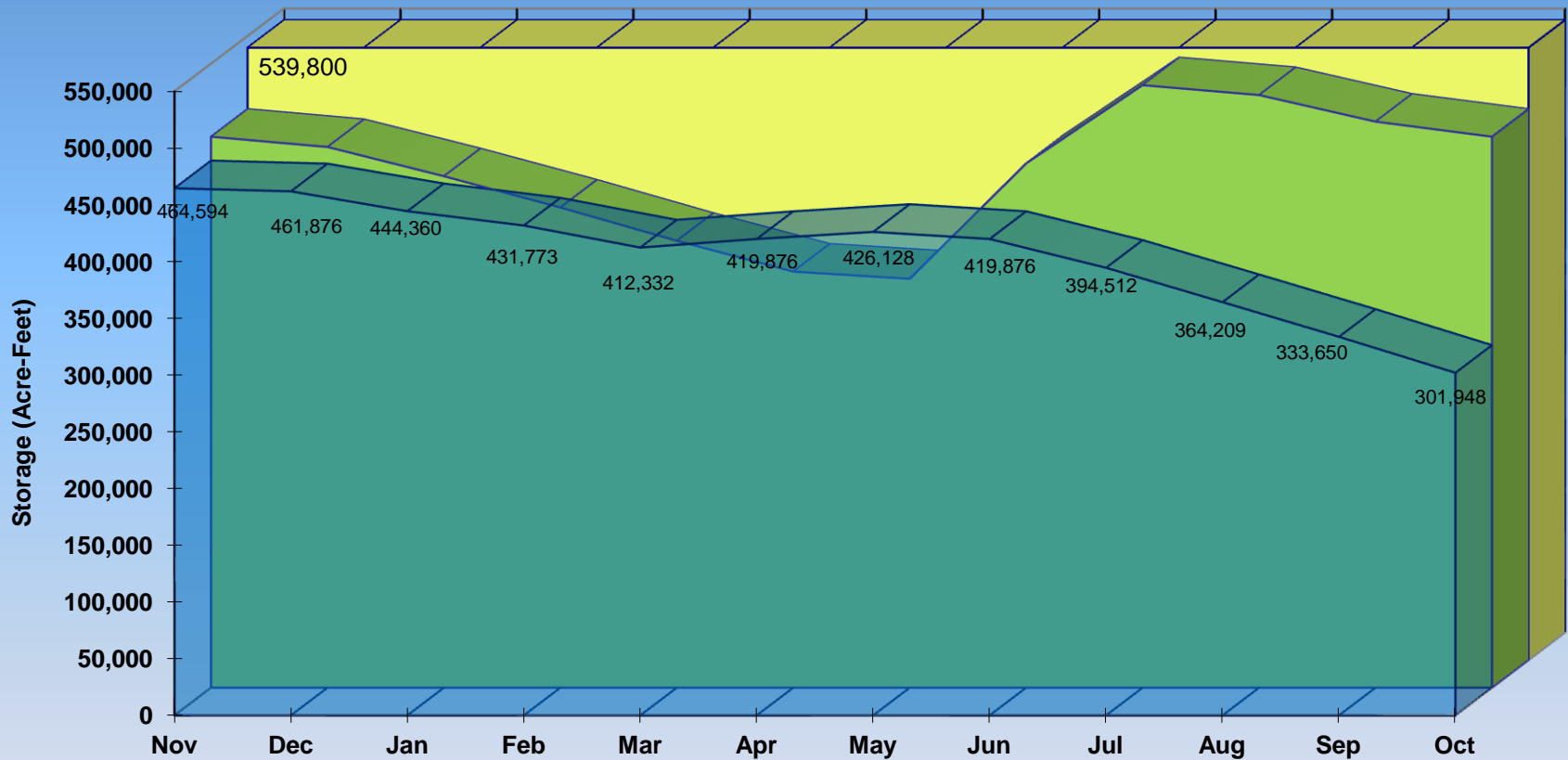
Total Storage

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.**