

# South Platte Summary

## August 2012



Photo by:  
Jason Smith



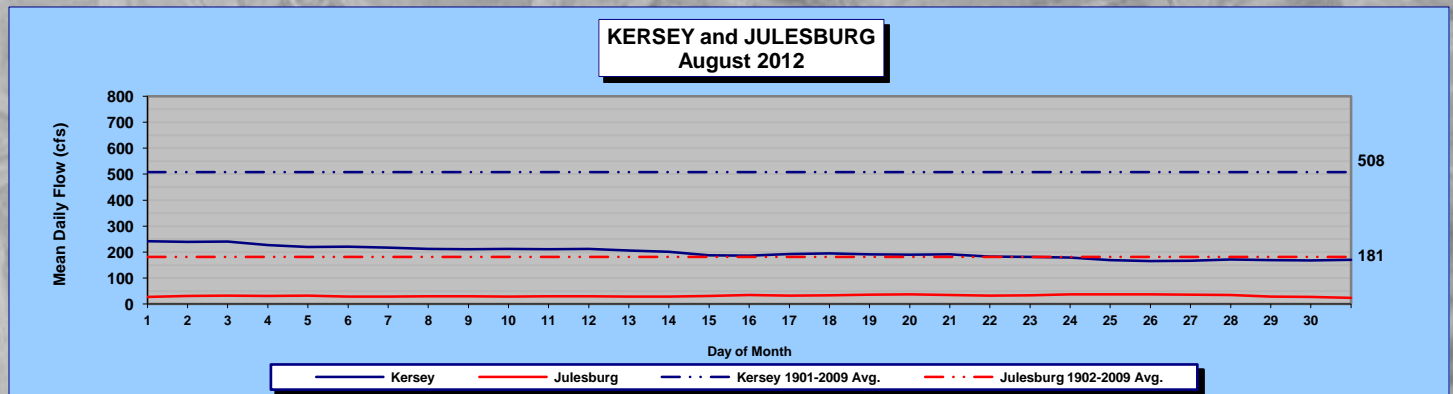
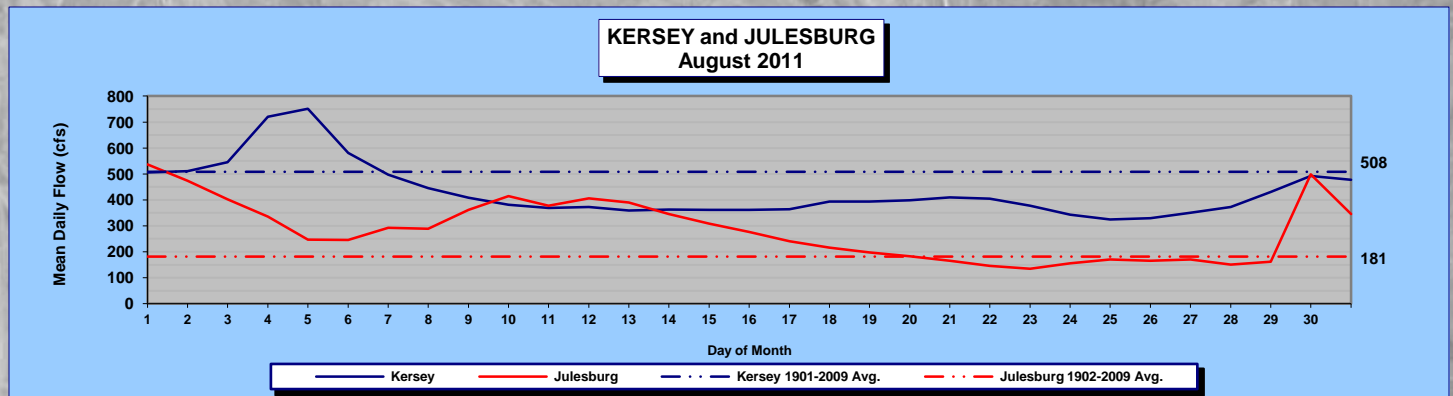
Compiled by Lee Cunning, P.E.

# COLORADO DIVISION OF WATER RESOURCES, DIVISION 1

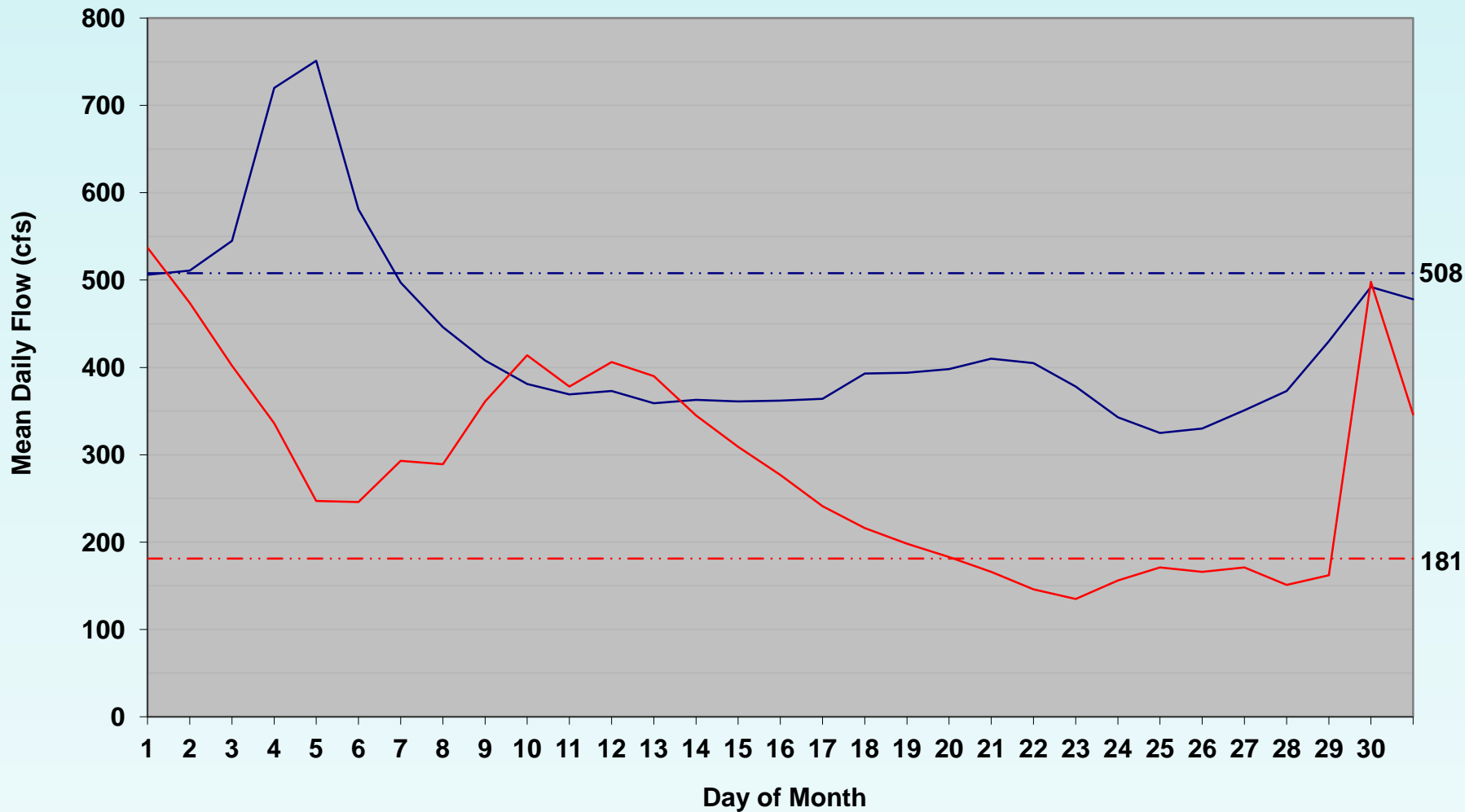
## MONTH OF AUGUST 2012

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	9,869	4,372	64	-5,497	-56%	19%	52%	0
N STERLING	73,730	24,386	7,040	64	-17,346	-71%	10%	49%	0
PREWITT	28,500	11,740	6,776	64	-4,964	-42%	24%	74%	0
JACKSON	27,257	7,202	1,200	1	-6,002	-83%	4%	89%	0
EMPIRE	37,700	7,524	1,200	1	-6,324	-84%	3%	44%	0
RIVERSIDE	63,113	19,504	7,397	1	-12,107	-62%	12%	48%	0
BARR LAKE	32,152	7,990	3,079	2	-4,911	-61%	10%	58%	0
CHEESMAN	79,064	63,268	57,921	80	-5,347	-8%	73%	96%	0
ELEVEN MILE	97,779	99,280	98,801	23	-479	0%	100%	100%	1,022
SPINNEY	53,651	43,870	39,670	23	-4,200	-10%	74%	95%	0
ANTERO	20,015	15,878	15,623	23	-255	-2%	78%	79%	0

RIVER GAGES	MEAN DAILY FLOW (CFS)
<b>KERSEY</b>	<b>198</b>
<b>JULESBURG</b>	<b>32</b>
<b>THIS MONTH LAST YEAR</b>	
<b>KERSEY</b>	<b>432</b>
<b>JULESBURG</b>	<b>284</b>
<b>MEAN FOR PERIOD OF RECORD*</b>	
<b>KERSEY</b>	<b>508</b>
<b>JULESBURG</b>	<b>181</b>
* 1901-2011	
1902-2011	

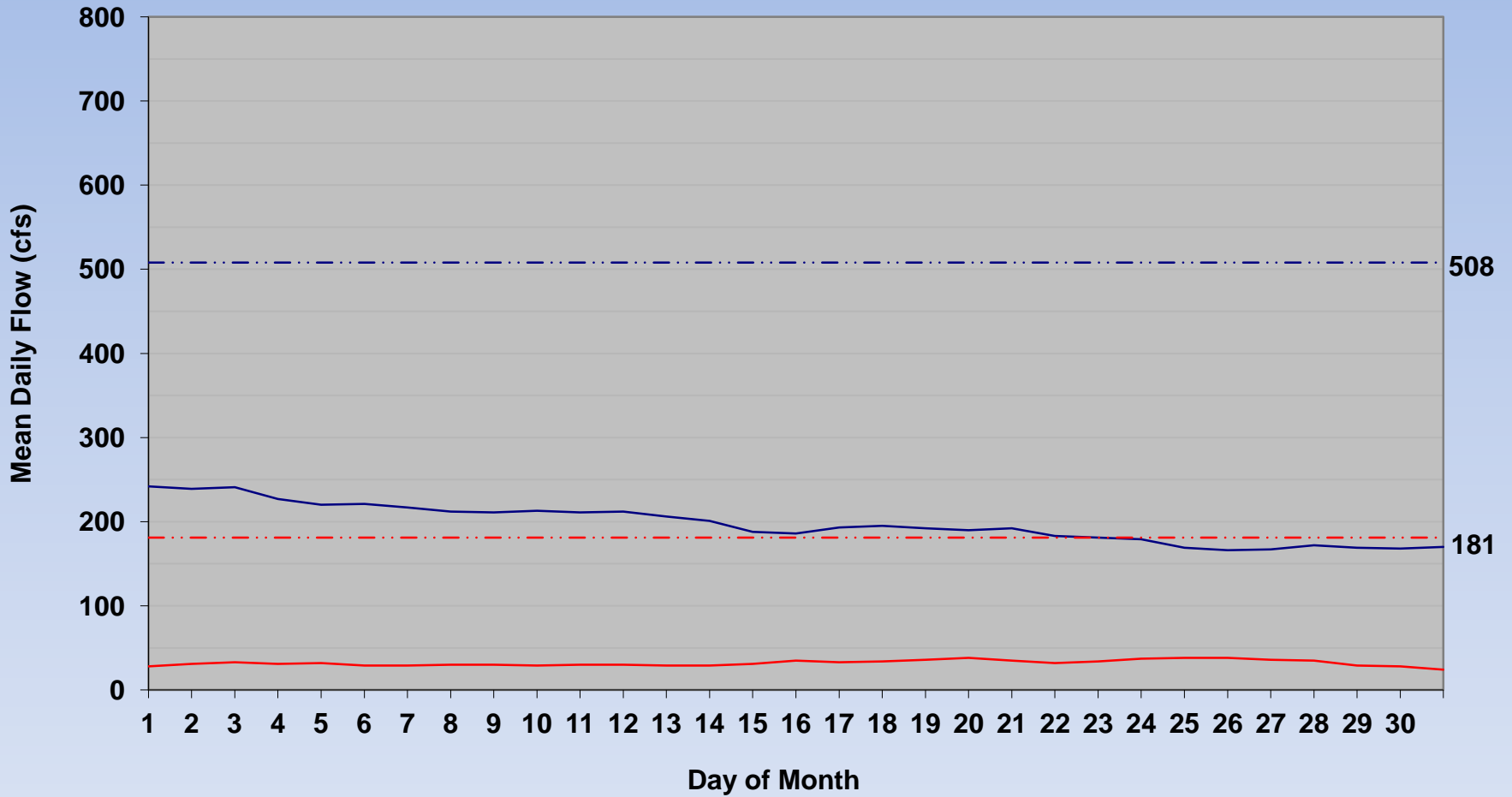


# KERSEY and JULESBURG August 2011



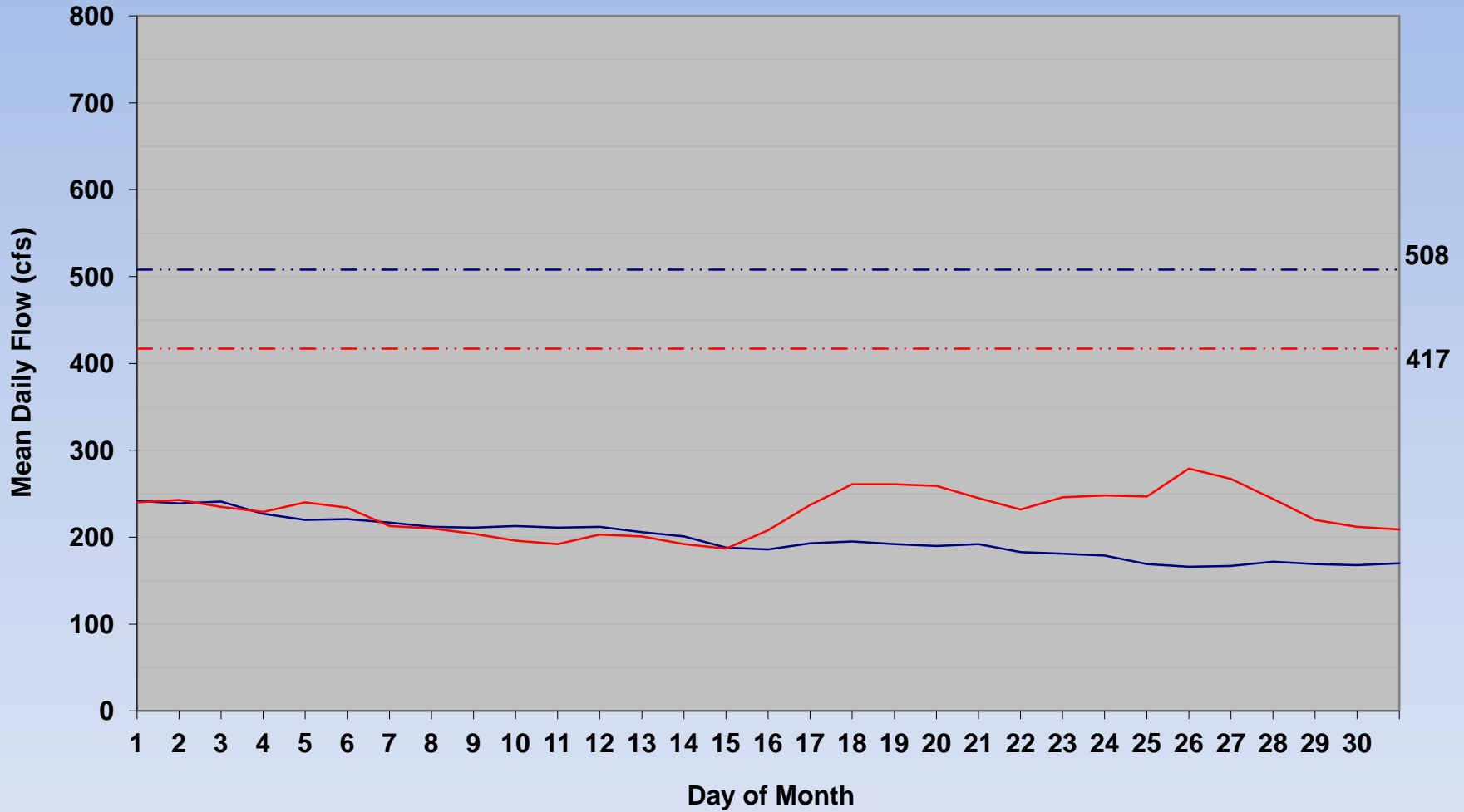
— Kersey — Julesburg — · · — Kersey 1901-2009 Avg. - · · - Julesburg 1902-2009 Avg.

# KERSEY and JULESBURG August 2012



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

# KERSEY and BALZAC August 2012



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

## South Platte River Monthly Stream Flow (cfs) Statistics

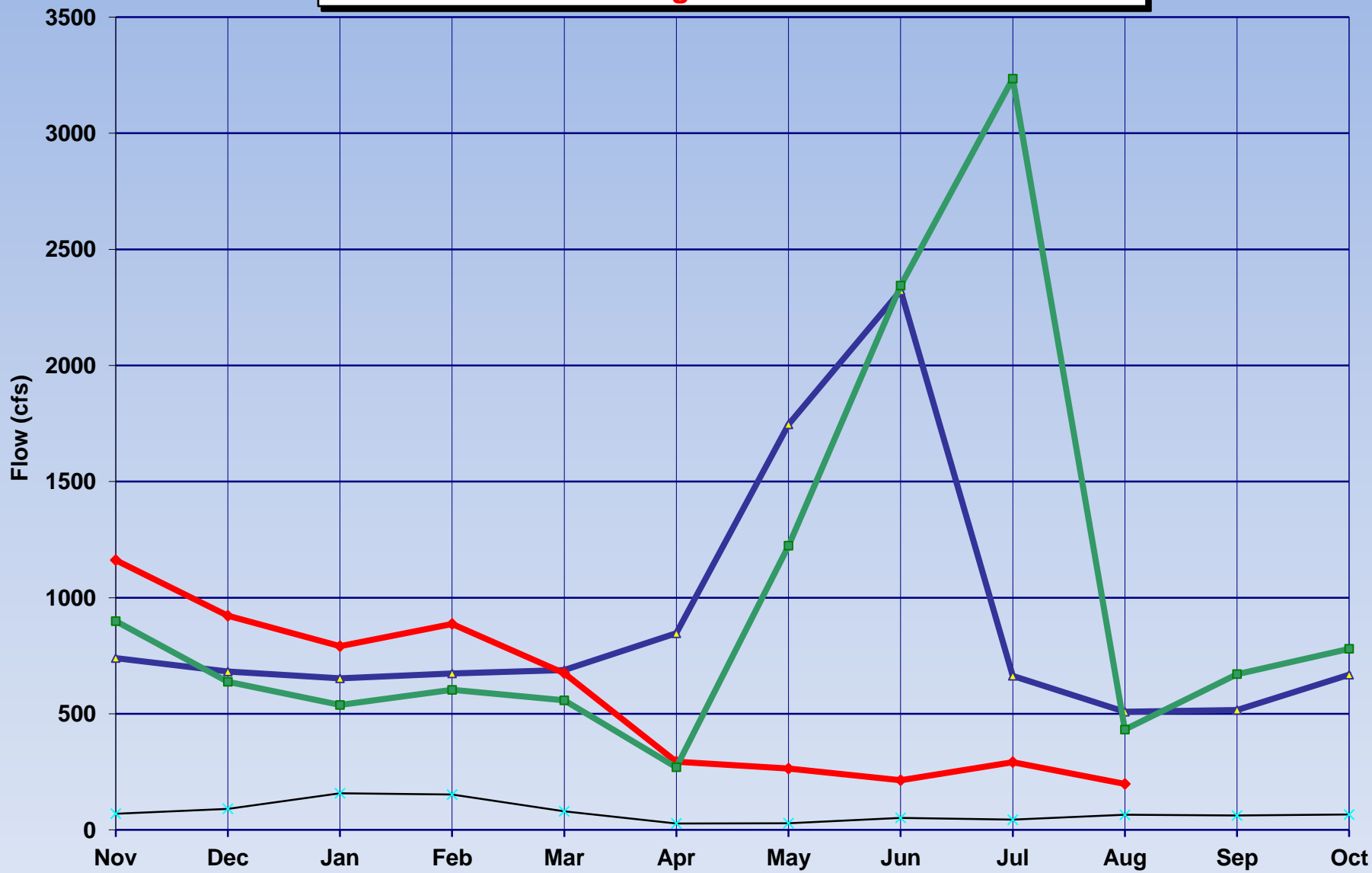
South Platte River at Kersey							South Platte River at Julesburg						
Month	Historic* Mean Flow	Historic* Max Flow	Year	Historic* Min Flow	Year	IY 2012 Mean Monthly Flow	Month	Historic* Mean Flow	Historic* Max Flow	Year	Historic* Min Flow	Year	IY 2012 Mean Monthly Flow
Nov	740	3650	1984	70	1934	1162	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		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

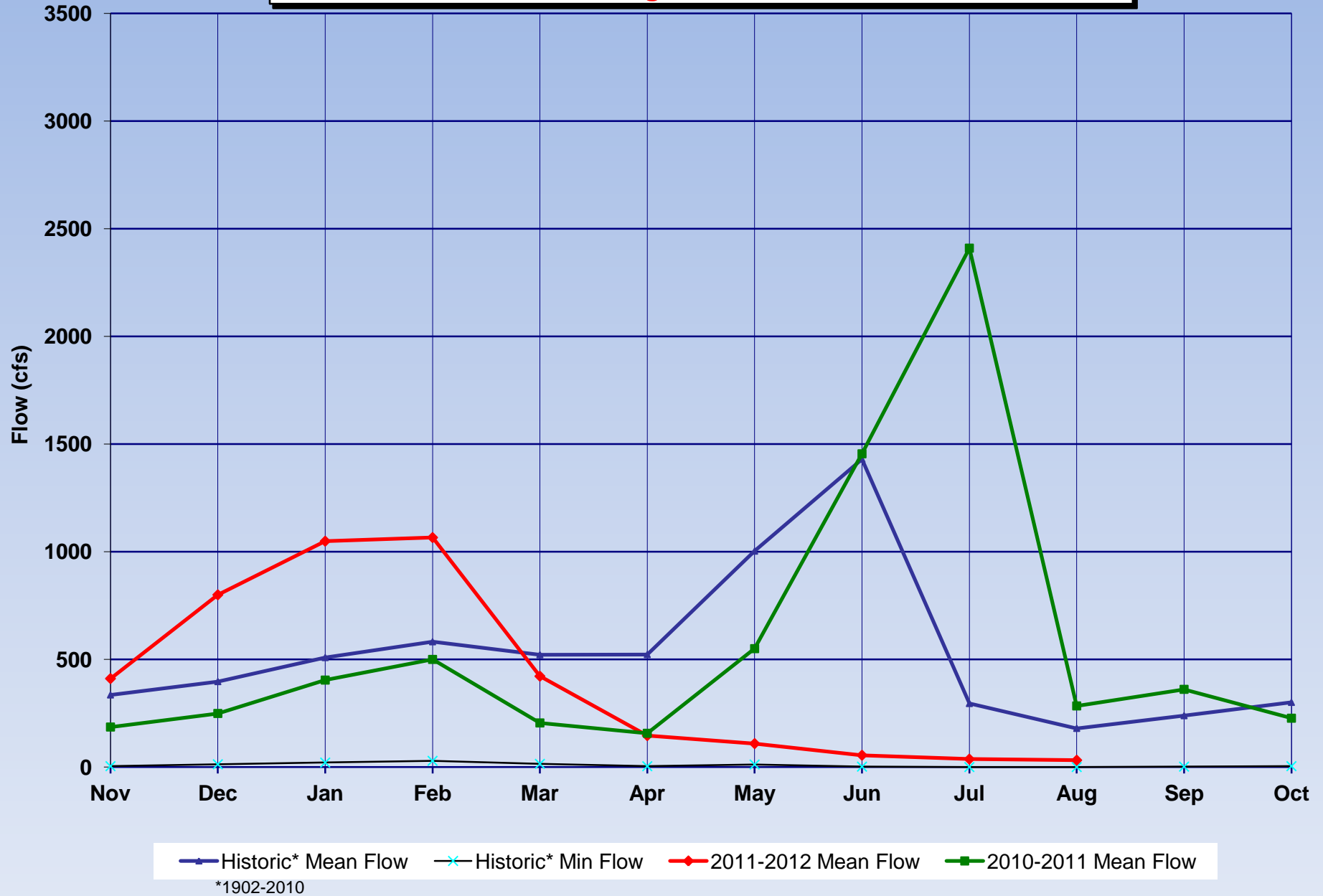


—▲— Historic\* Mean Flow    —×— Historic\* Min Flow    —◆— 2011-2012 Mean Flow    —■— 2010-2011 Mean Flow

\*1901-2010

# South Platte River at Julesburg

Irrigation Year



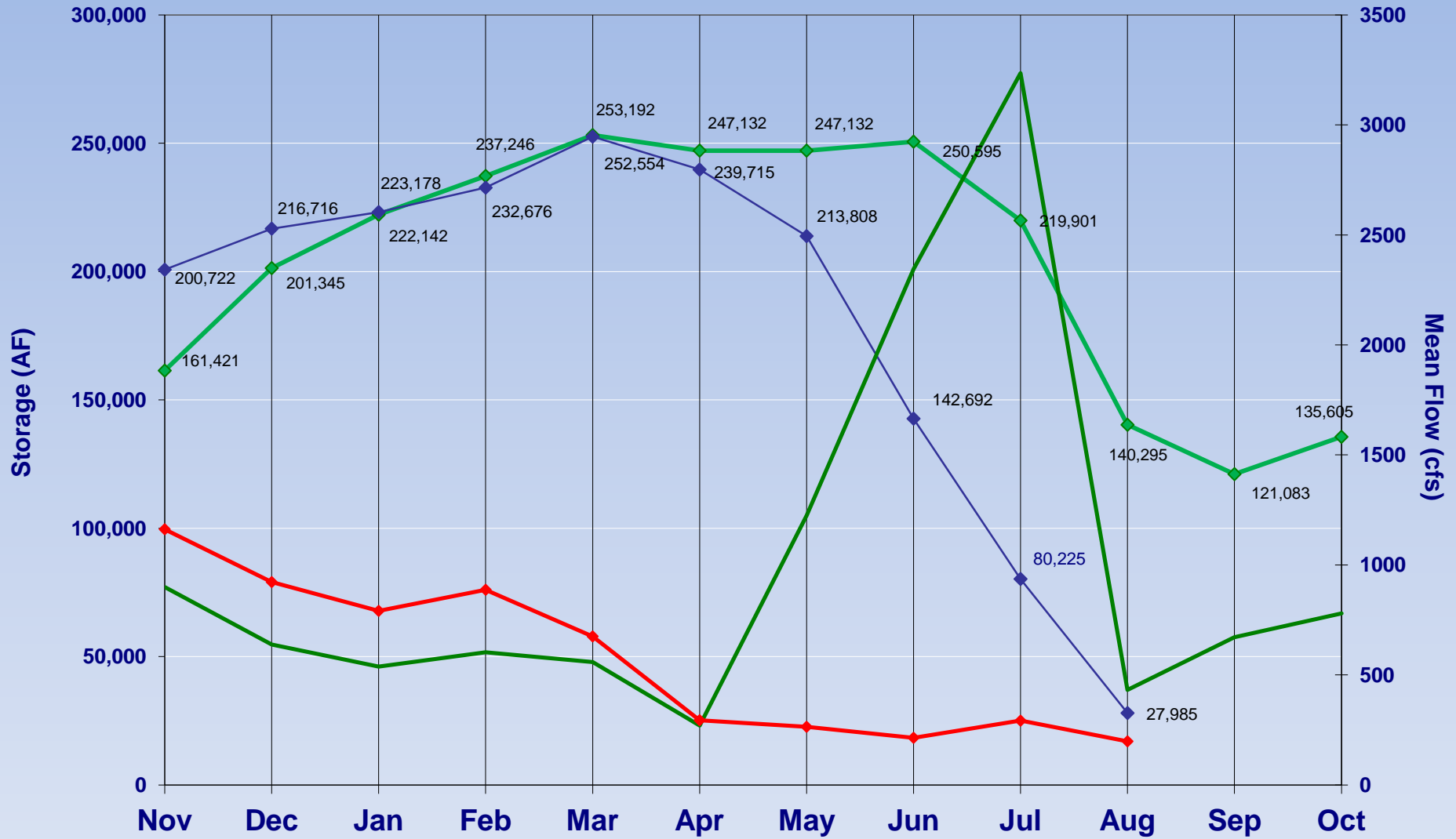


# **Next four slides show Reservoir Storage above and below Kersey**



# Reservoir Storage below Kersey

Selected Reservoirs\*



◆ 2010-11 Monthly Storage

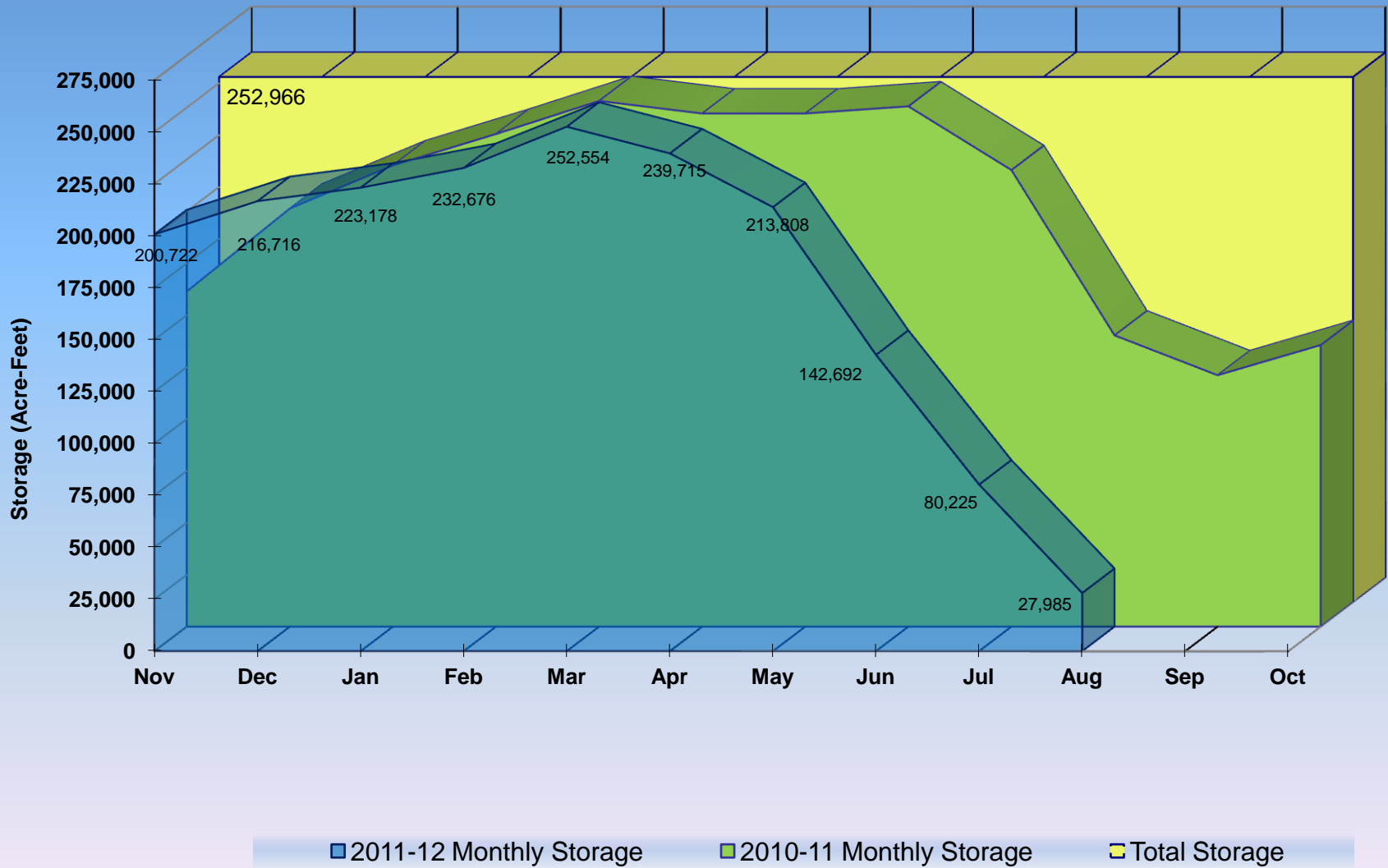
◆ 2011-12 Monthly Storage

— Kersey 2010-11

— Kersey 2011-12

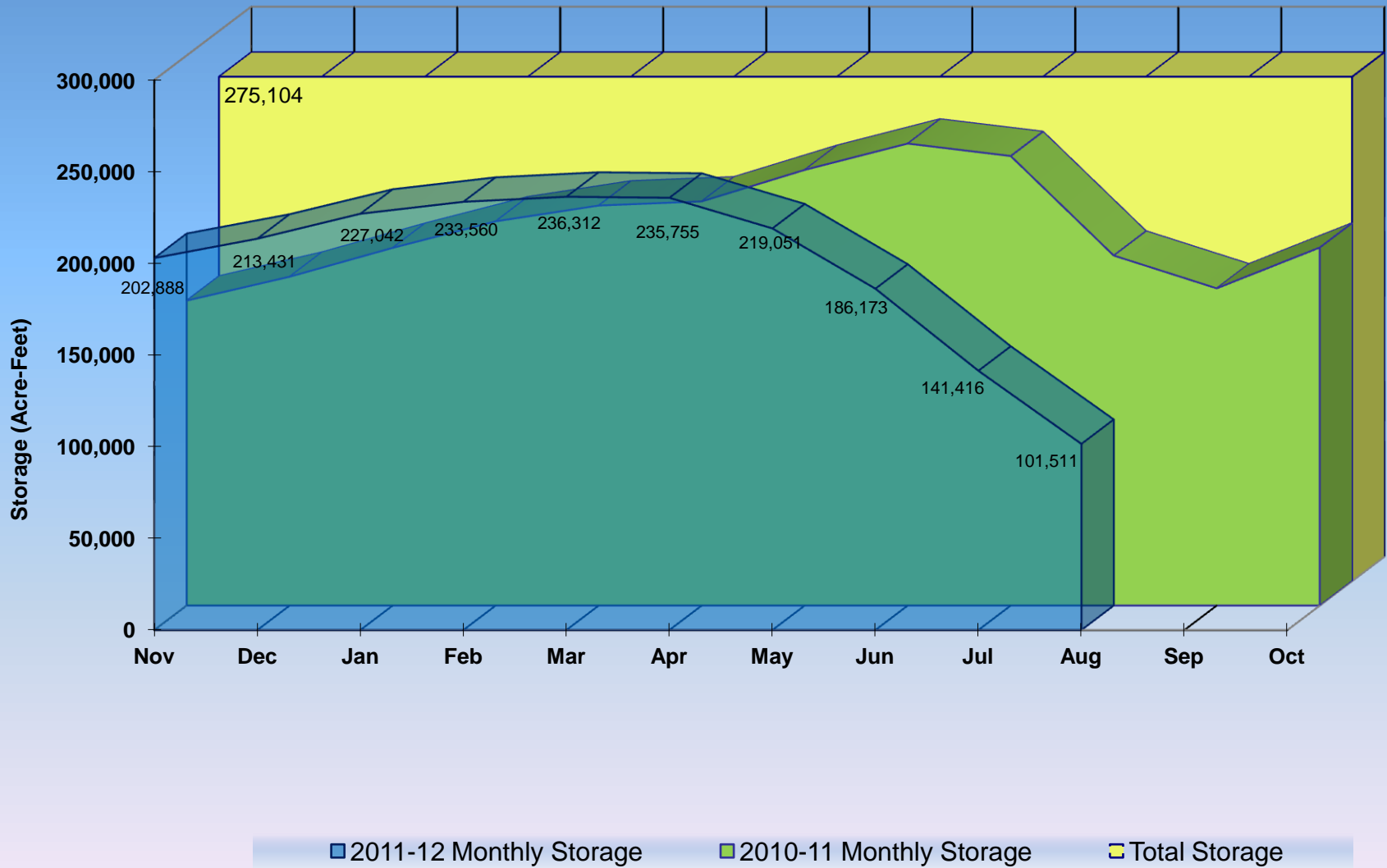
\*Empire, Riverside, Jackson, Prewitt, North Sterling, & Julesburg

# South Platte Reservoir Storage below Kersey\*



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

# South Platte Reservoir Storage above Kersey\*

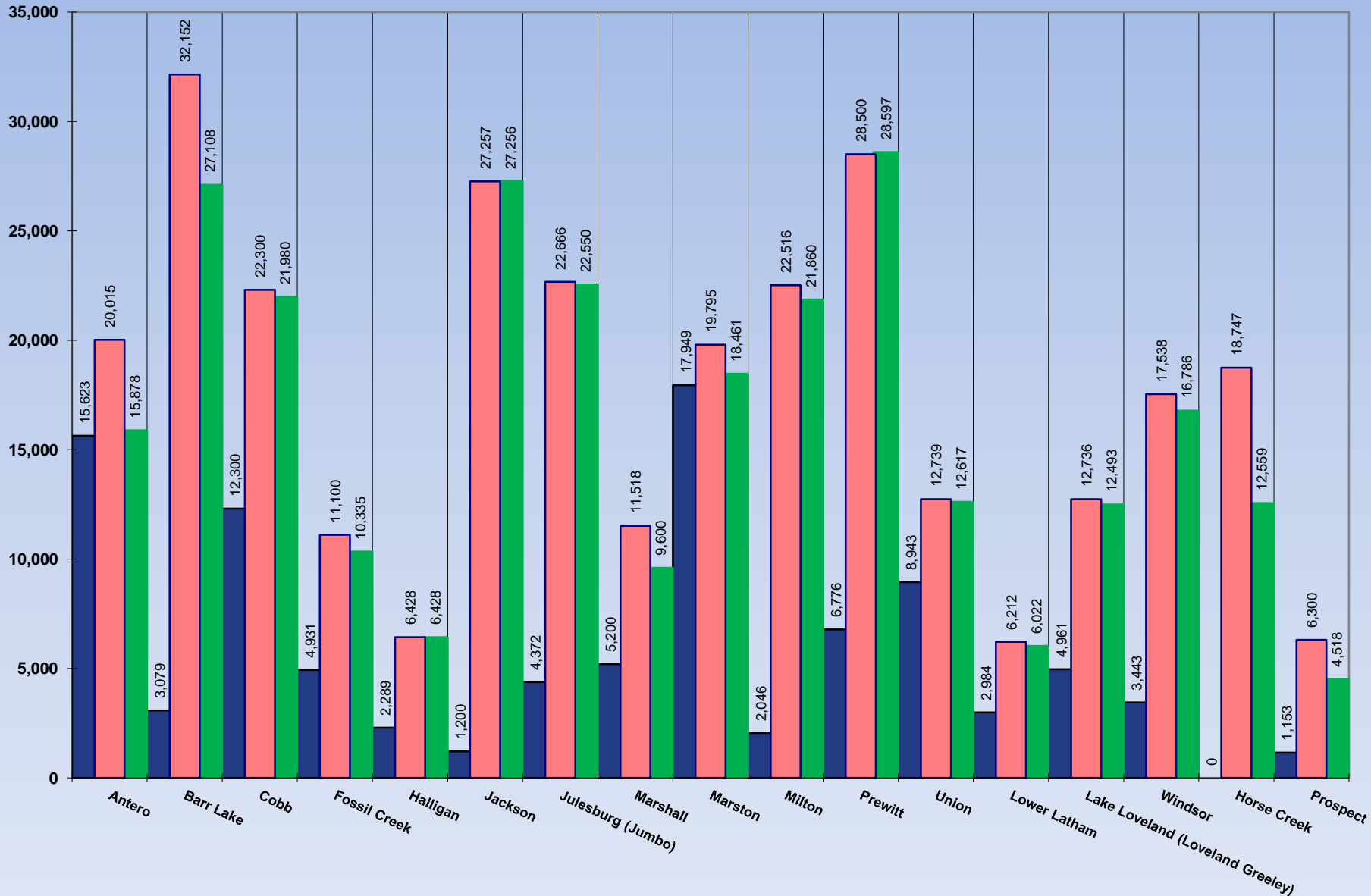


\*Barr, Cobb, Fossil Crk, Halligan, Marshall, Milton, Union, Standley, Lower Latham, Boyd, Loveland, Windsor, Horse Crk, & Prospect



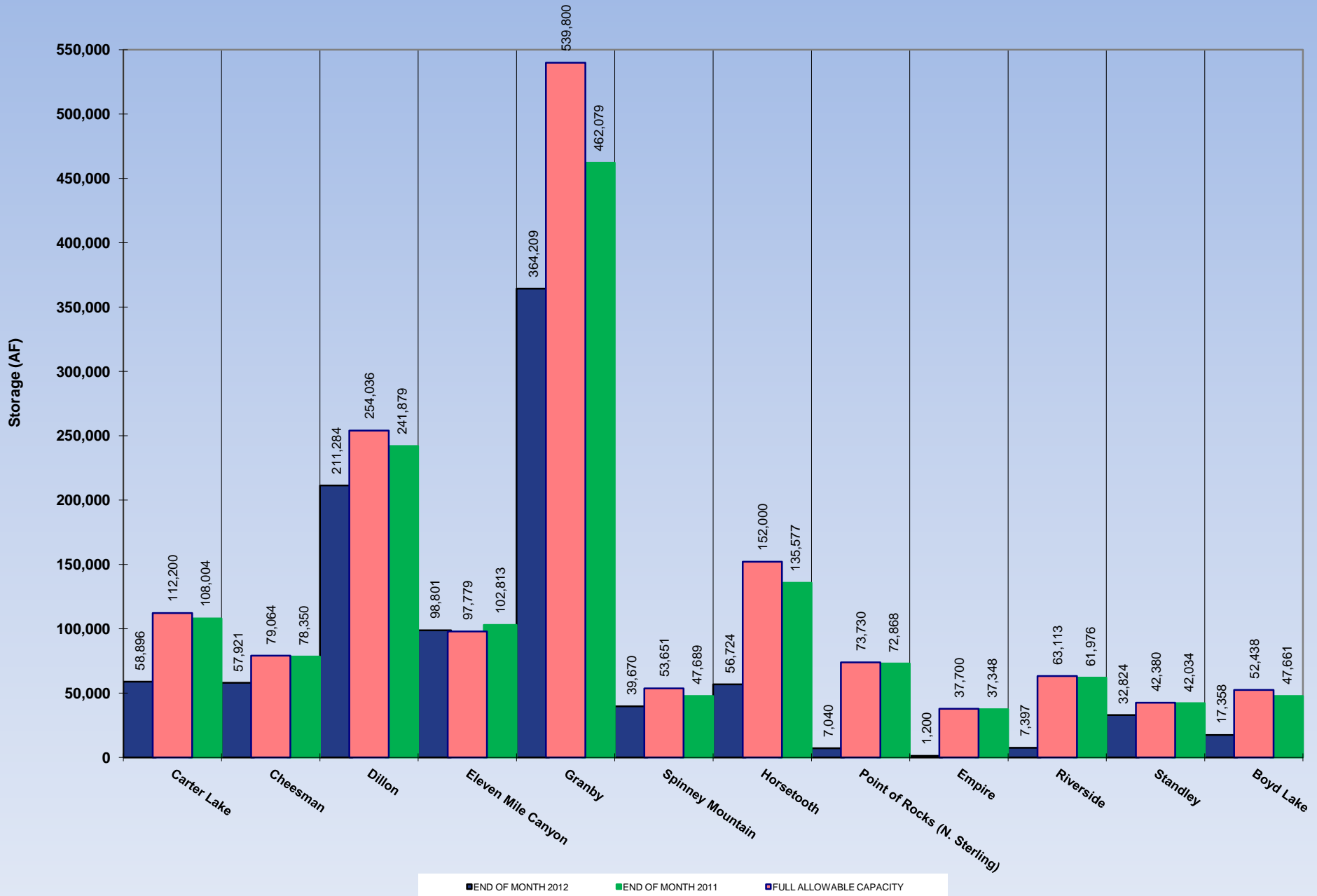
**Individual Reservoir  
Storage Follows**

# August Reservoir Change in Storage 2011 versus 2012

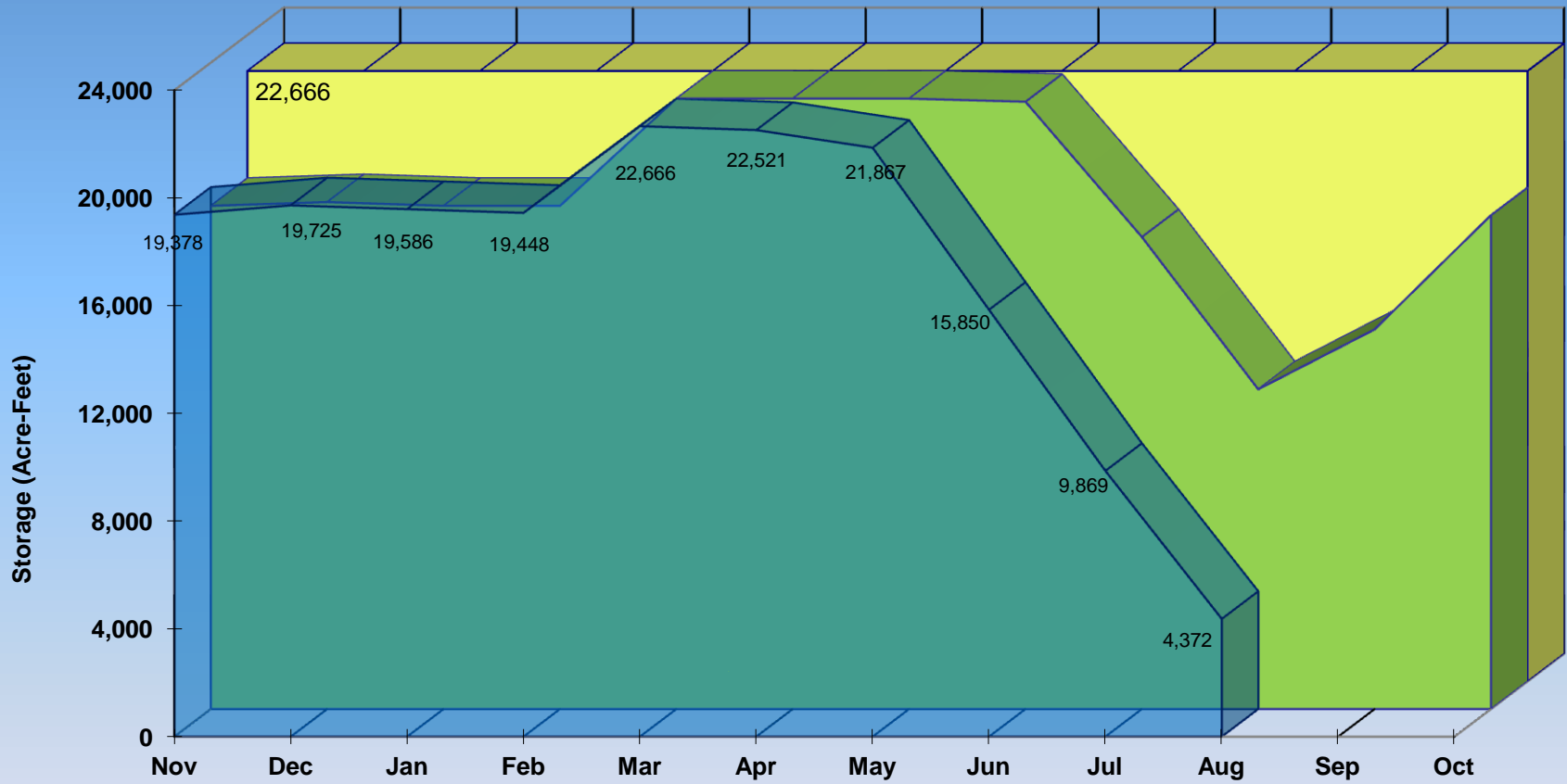


■ END OF MONTH 2012    
 ■ END OF MONTH 2011    
 ■ FULL ALLOWABLE CAPACITY

# August Reservoir Change in Storage 2011 versus 2012



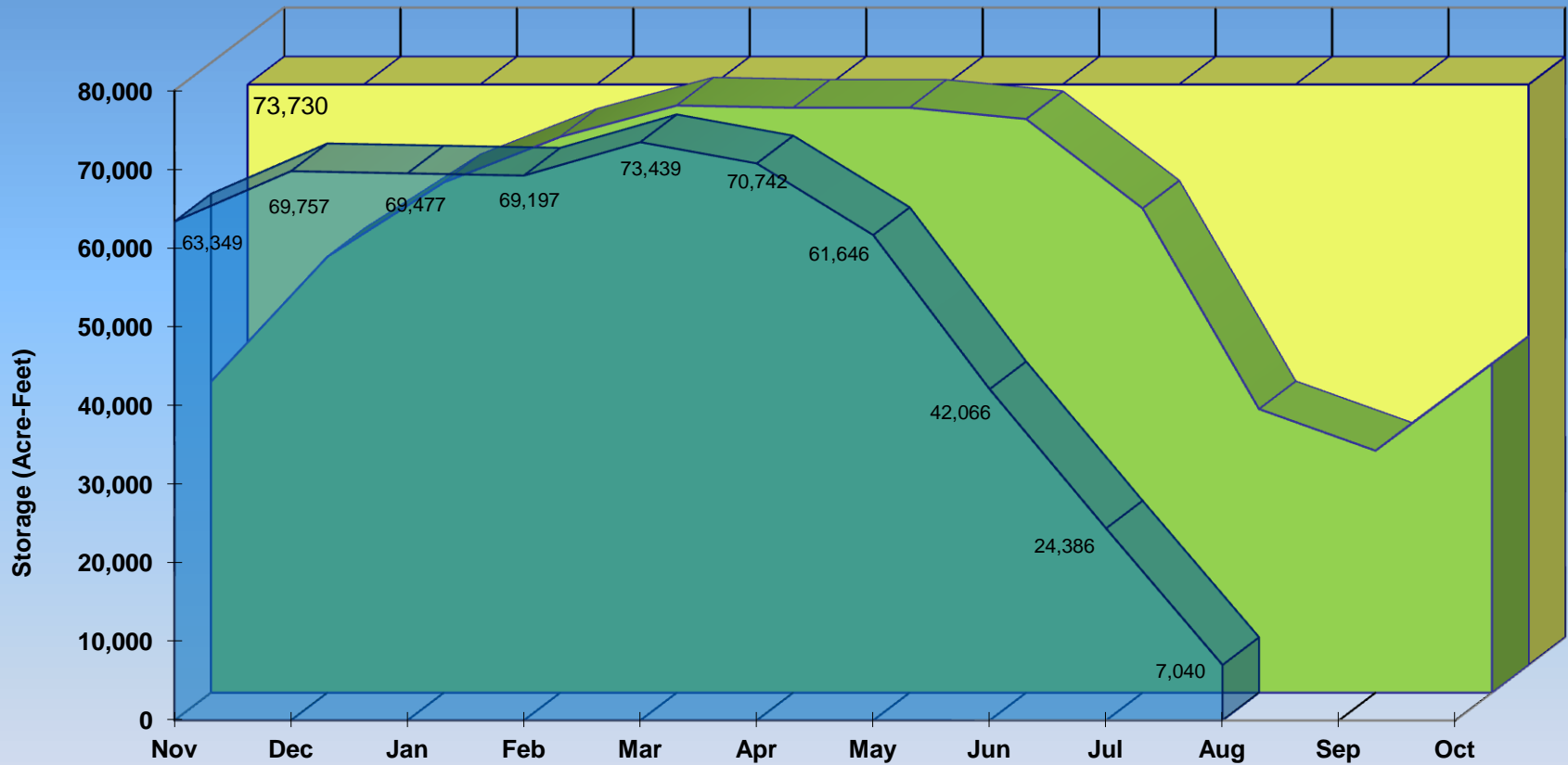
# Julesburg Reservoir (District 64 - Agricultural)



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

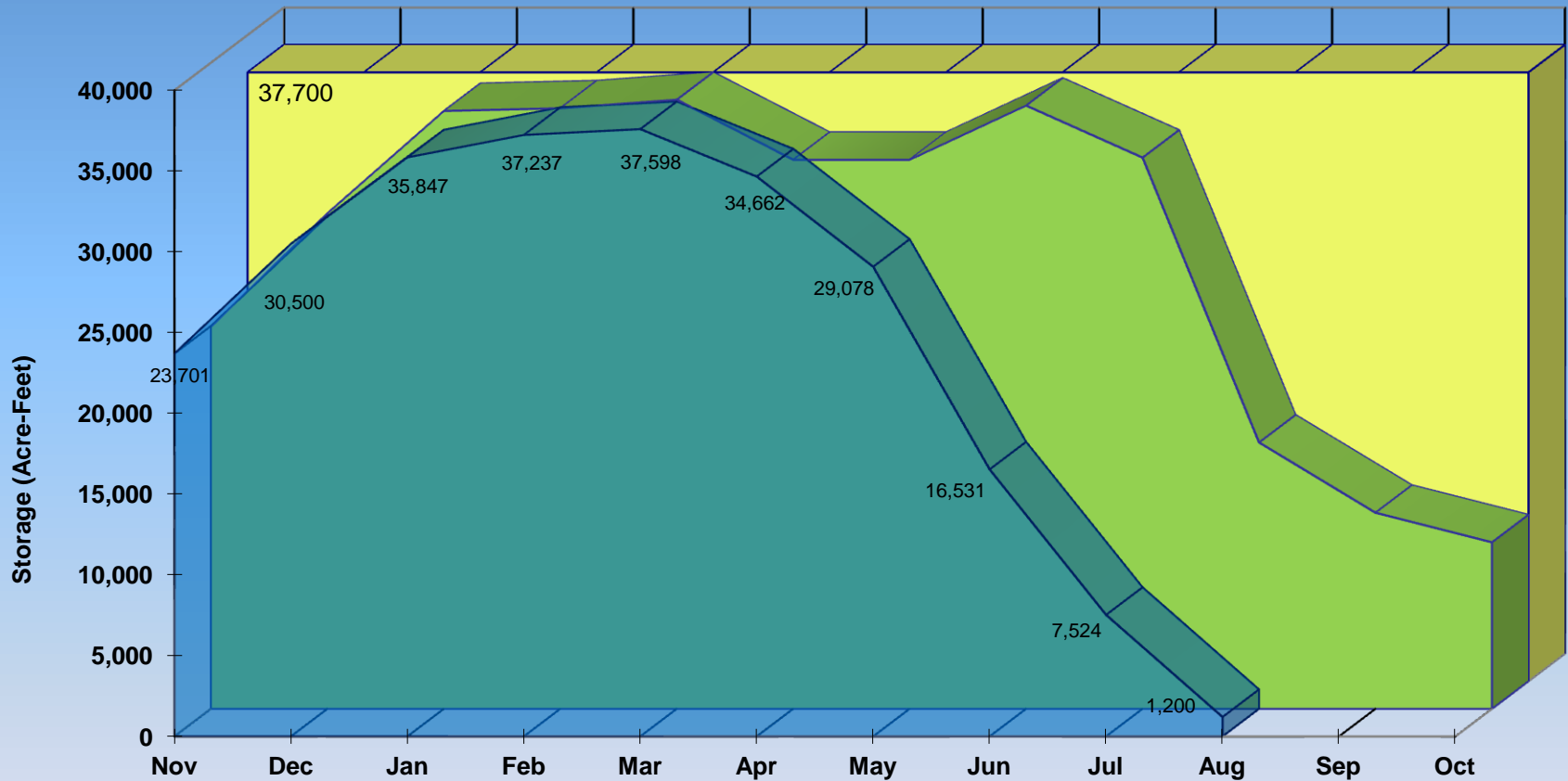


# North Sterling Reservoir (District 64- Agricultural)



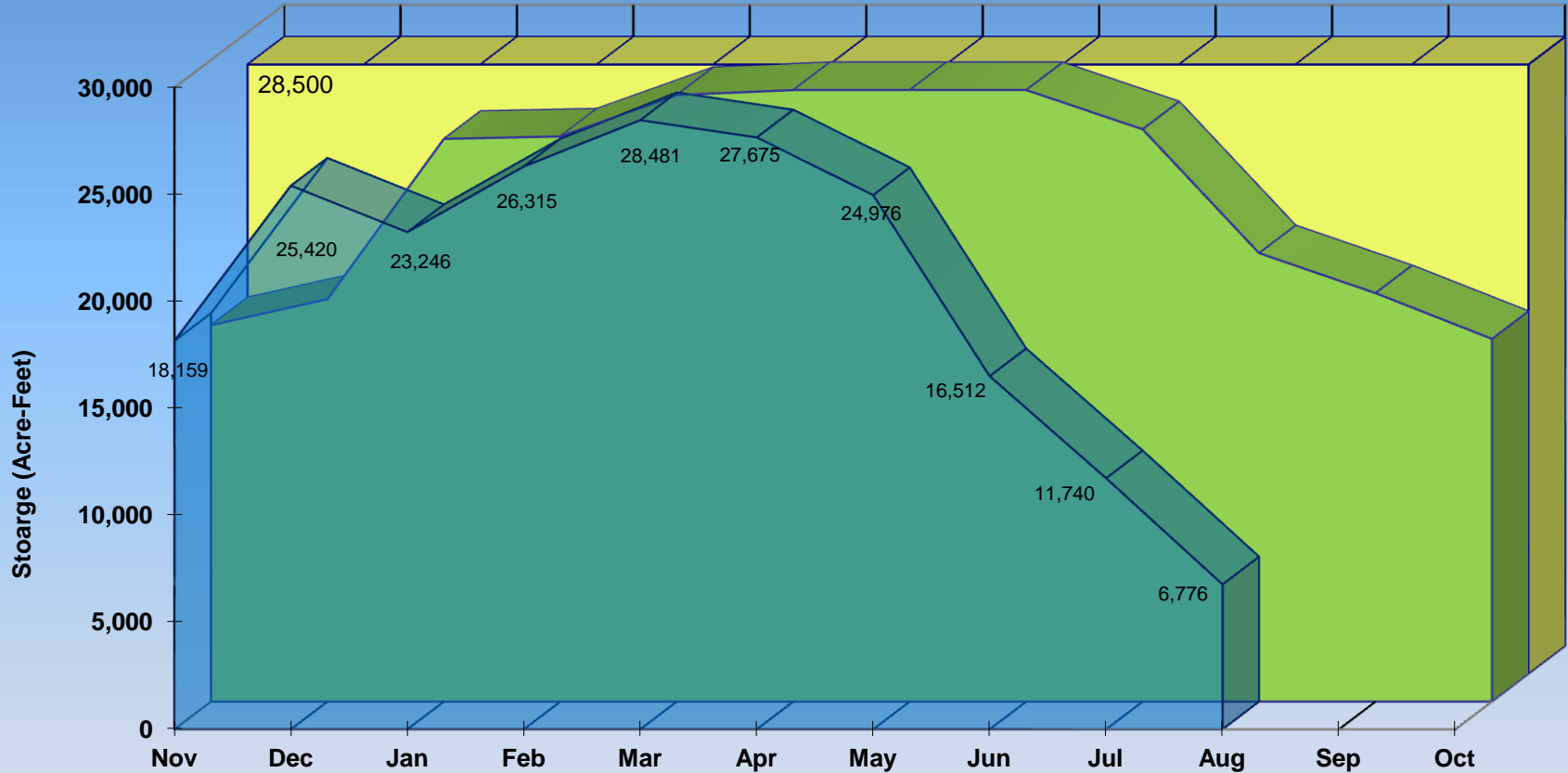
■ 2011-12 Monthly Storage    
 ■ 2010-11 Monthly Storage    
 ■ Total Storage

# Empire Reservoir (District 1- Agricultural)



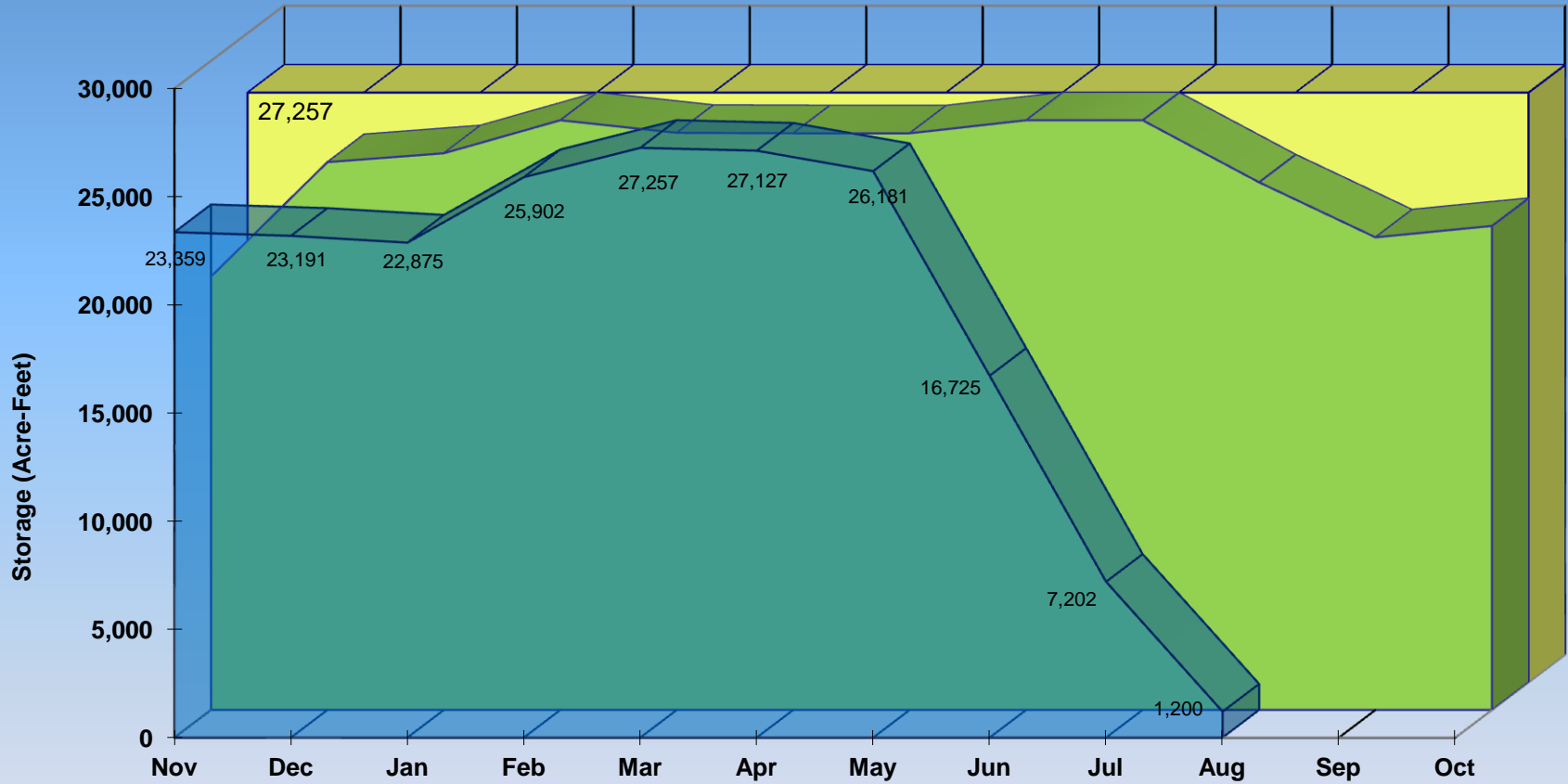
■ 2011-12 Monthly Storage    
 ■ 2010-11 Monthly Storage    
 ■ Total Storage

# Prewitt Reservoir (District 64- Agricultural)



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

# Jackson Reservoir (District 1- Agricultural)

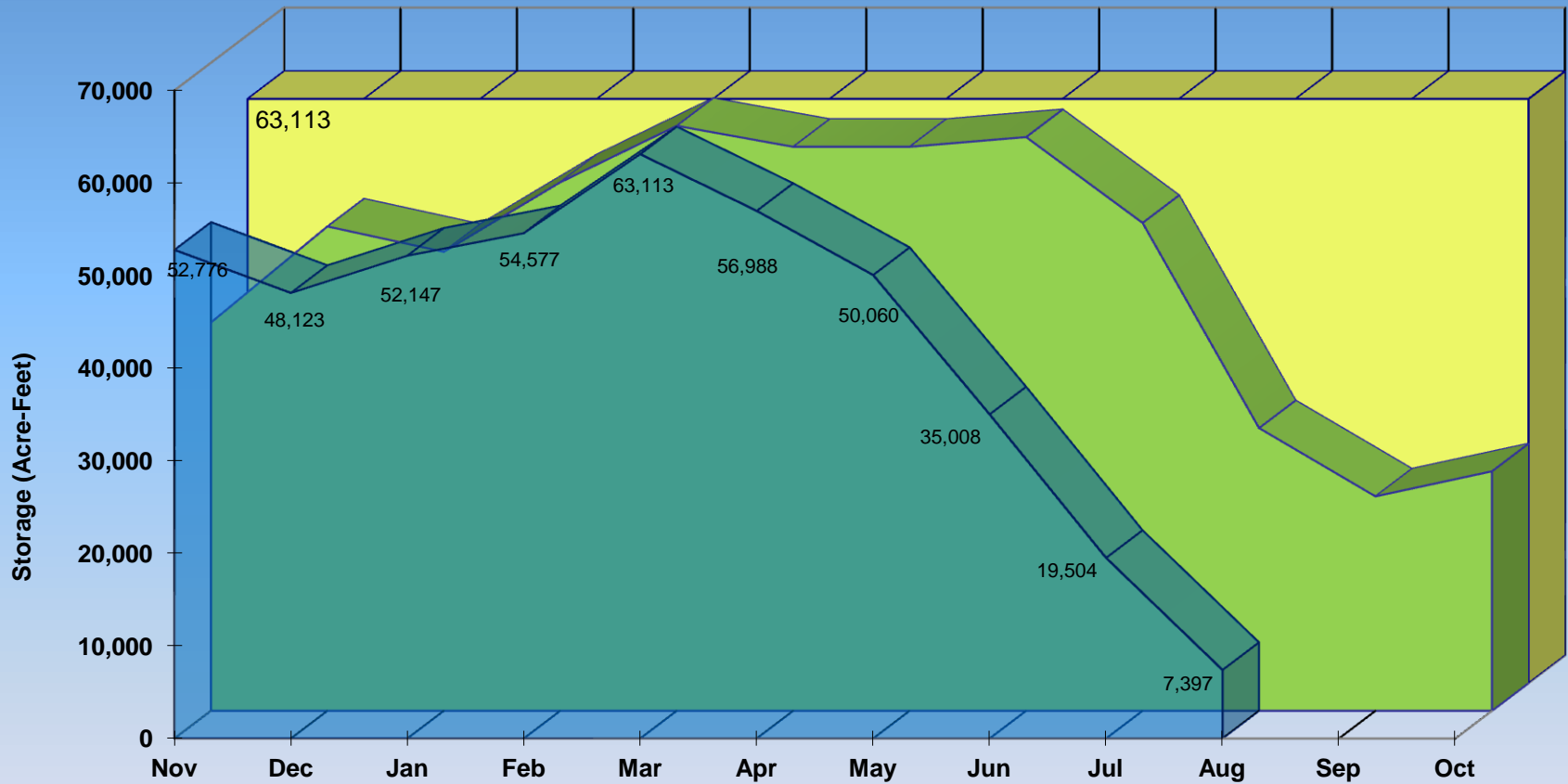


2011-12 Monthly Storage

2010-11 Monthly Storage

Total Storage

# Riverside Reservoir (District 1 - Agricultural)



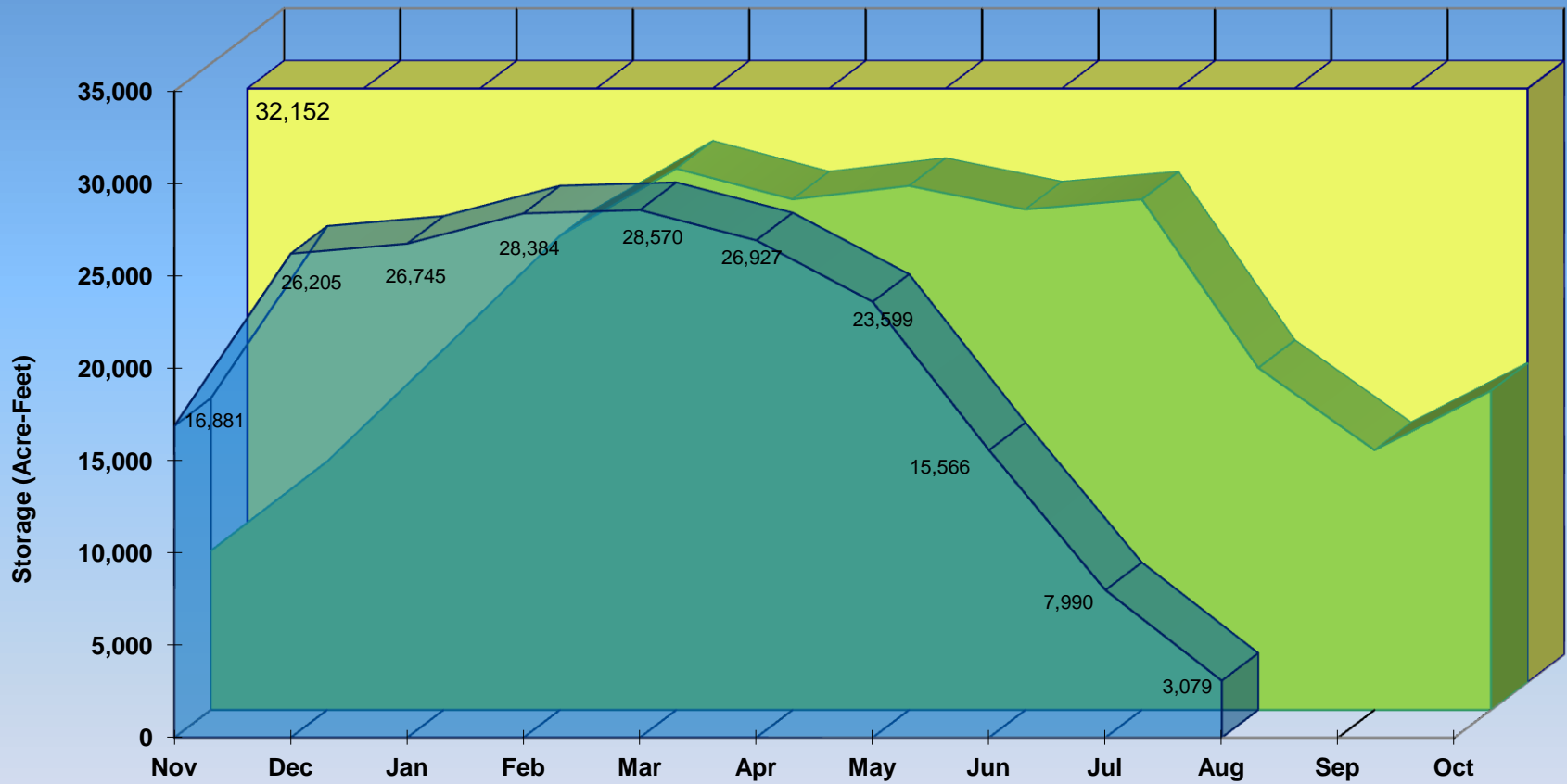
■ 2011-12 Monthly Storage

■ 2010-11 Monthly Storage

■ Total Storage

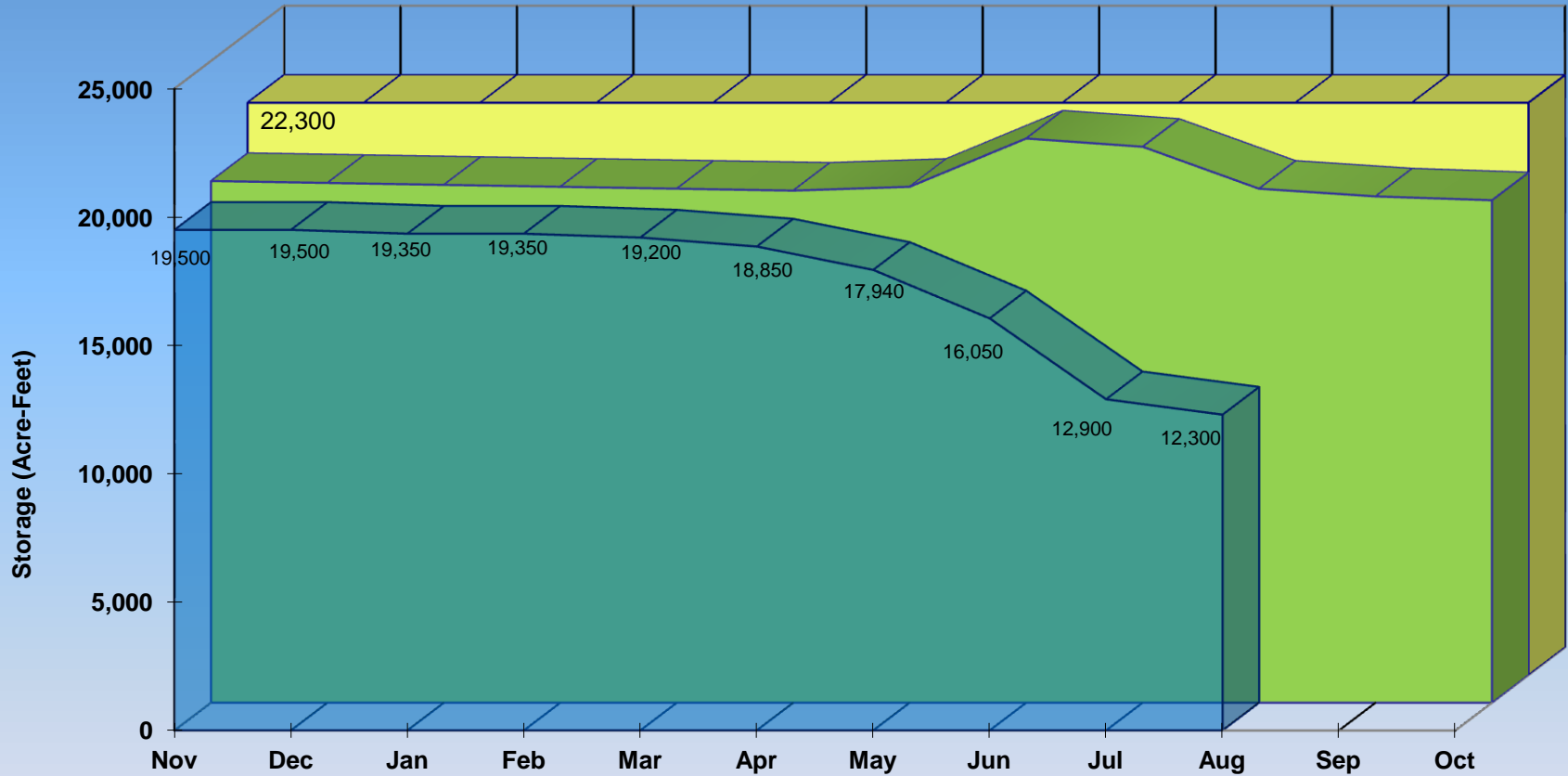
# Barr Lake

(District 2 - Agricultural)



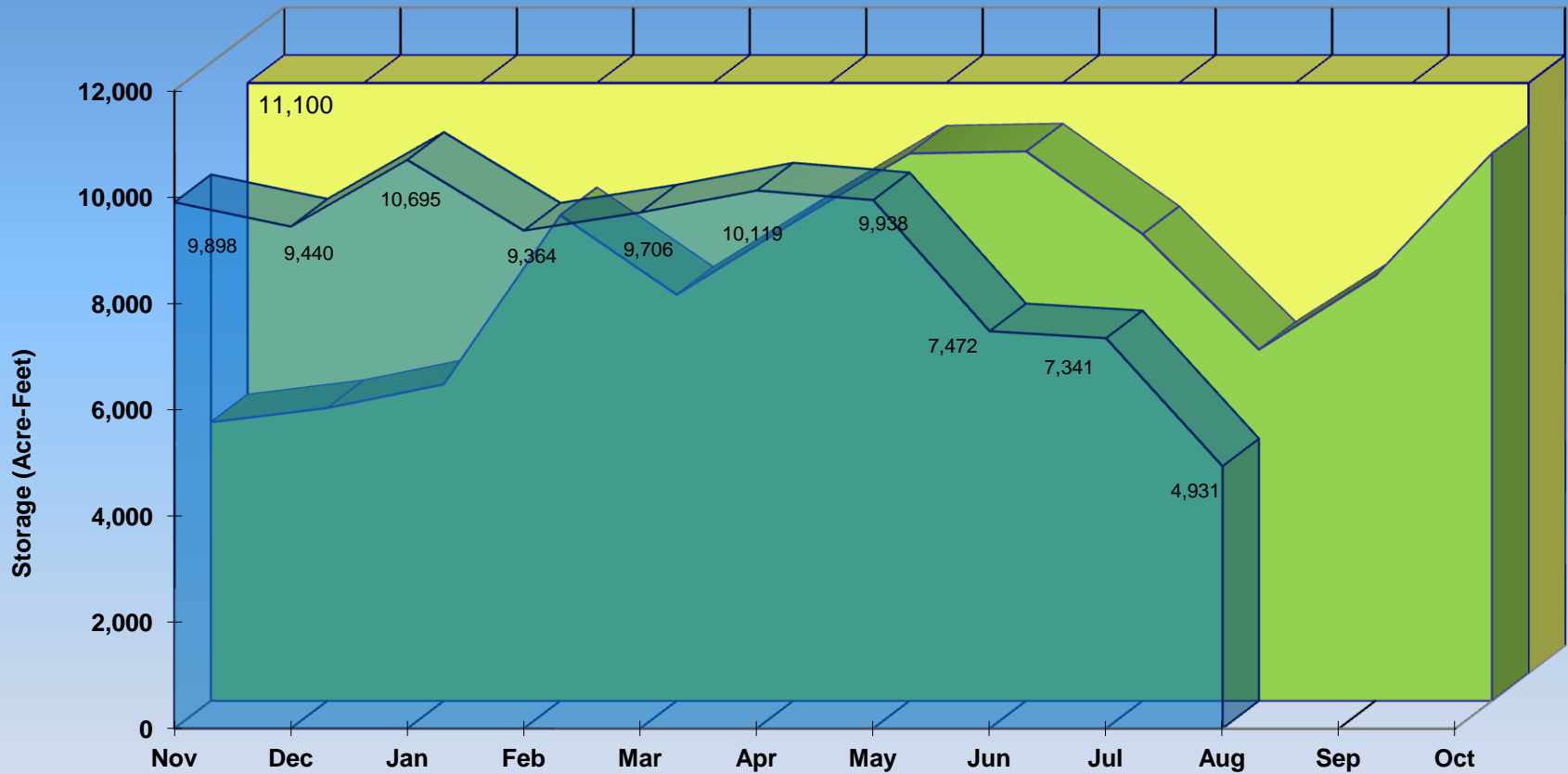
■ 2011-12 Monthly Storage    
 ■ 2010-11 Monthly Storage    
 ■ Total Storage

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



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

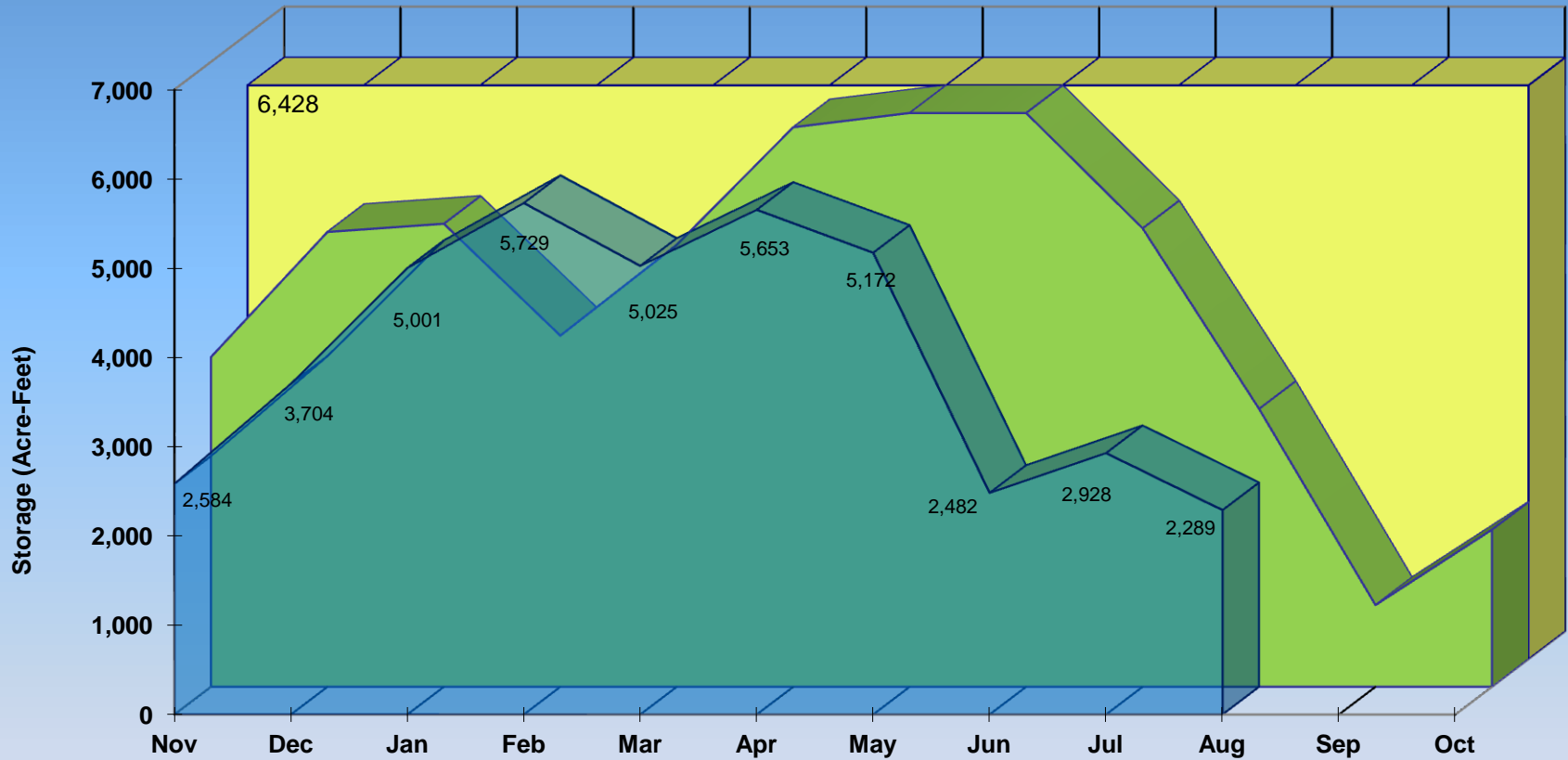
# Fossil Creek Reservoir (District 3, Poudre River - Agricultural)



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

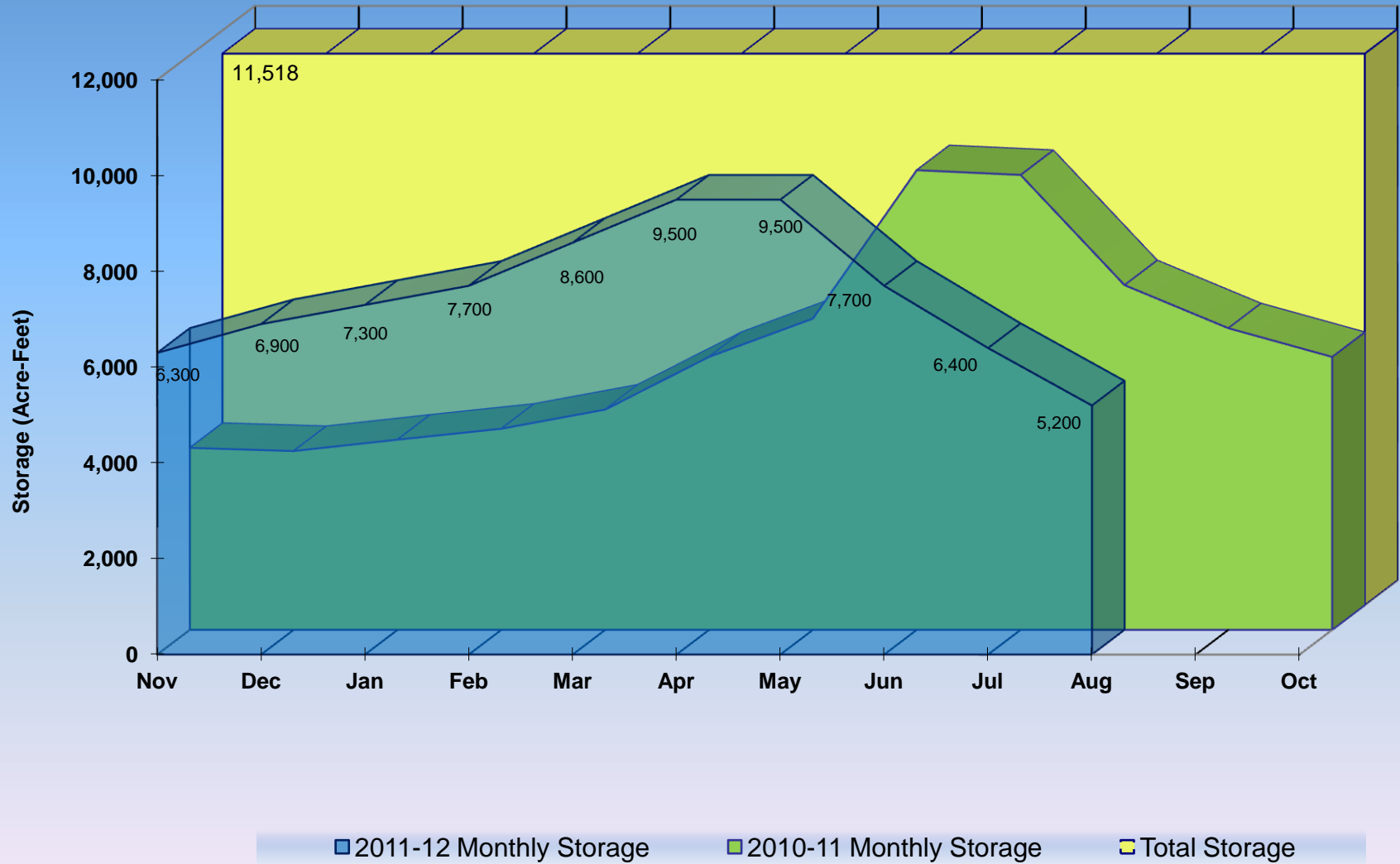


# Halligan Reservoir (District 3, Poudre River - Agricultural)

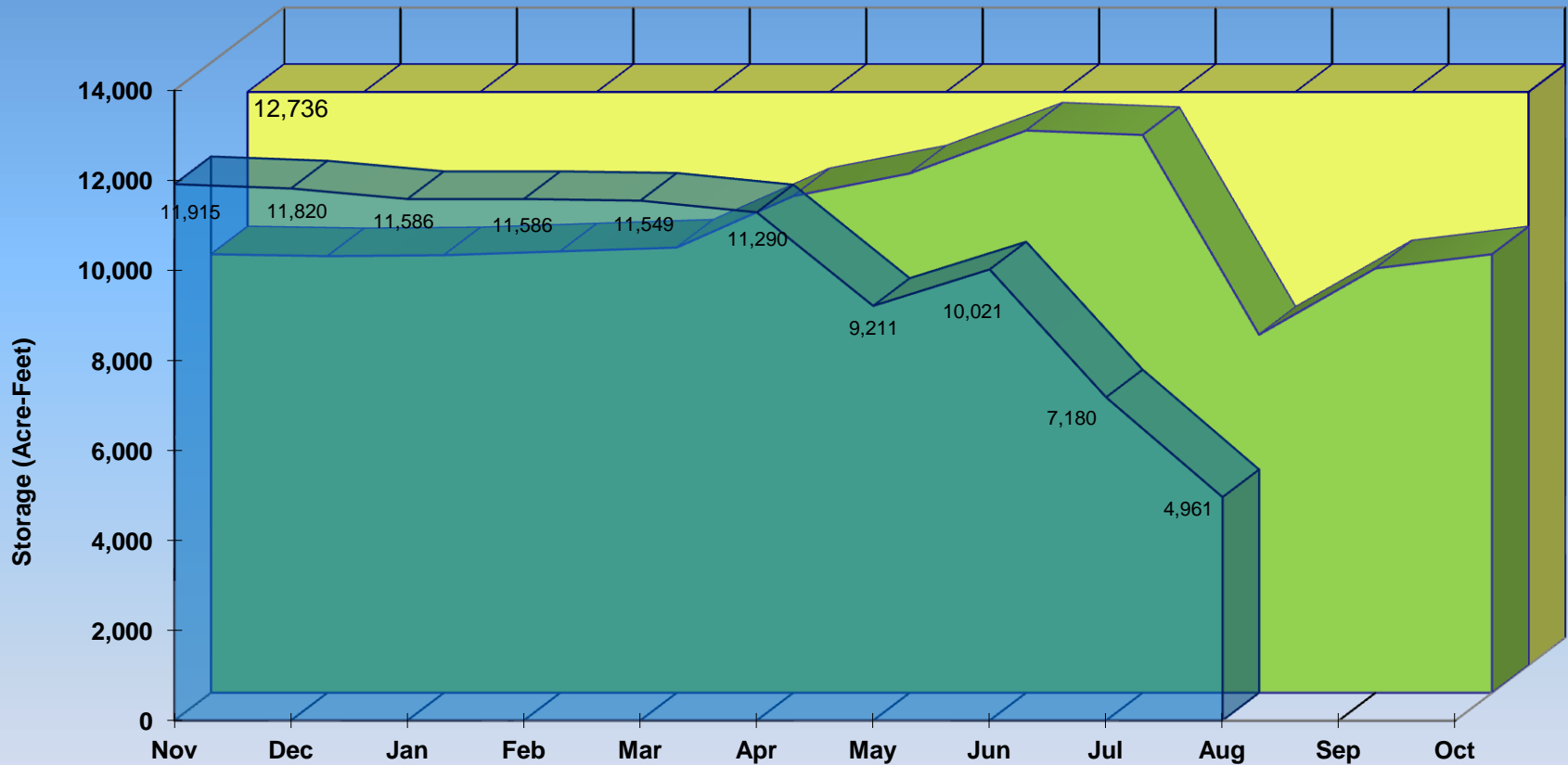


■ 2011-12 Monthly Storage    
 ■ 2010-11 Monthly Storage    
 ■ Total Storage

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

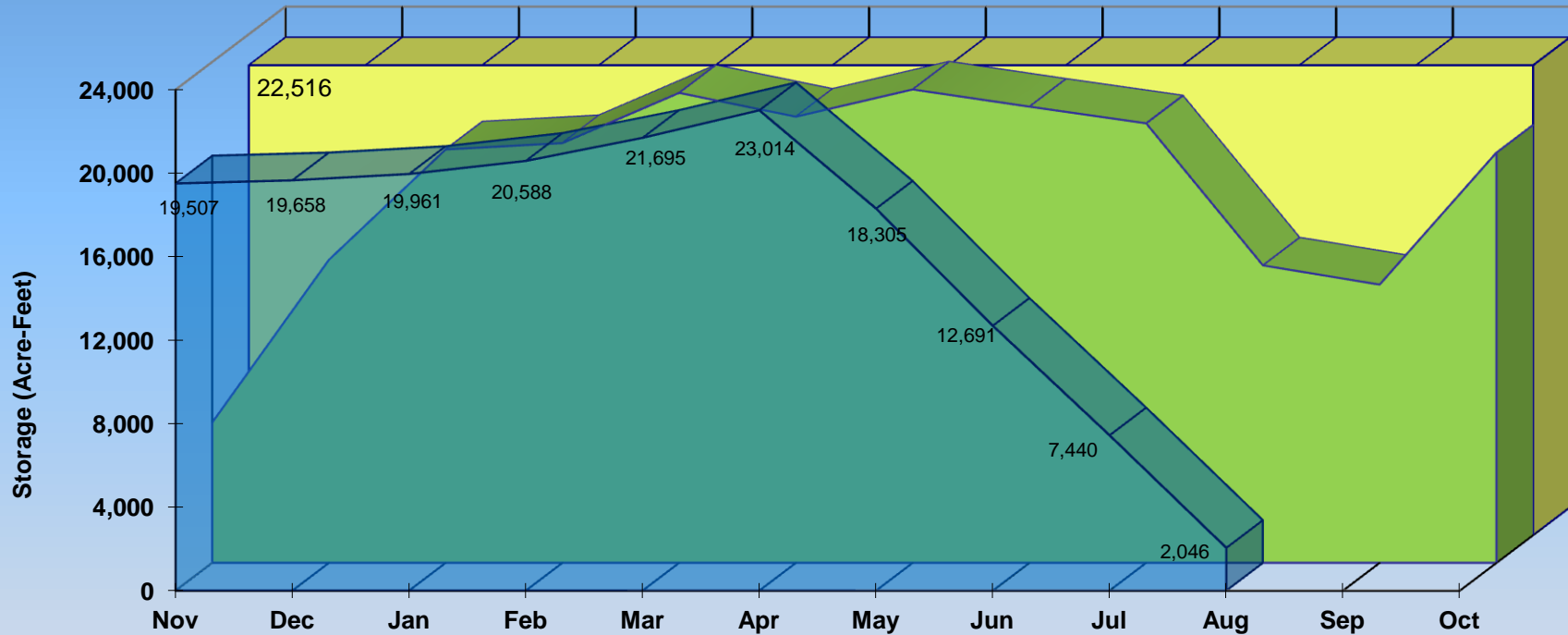


# Loveland Greeley Reservoir (District 4, Big Thompson River - Agricultural)



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

# Milton Reservoir (District 2 - Agricultural)

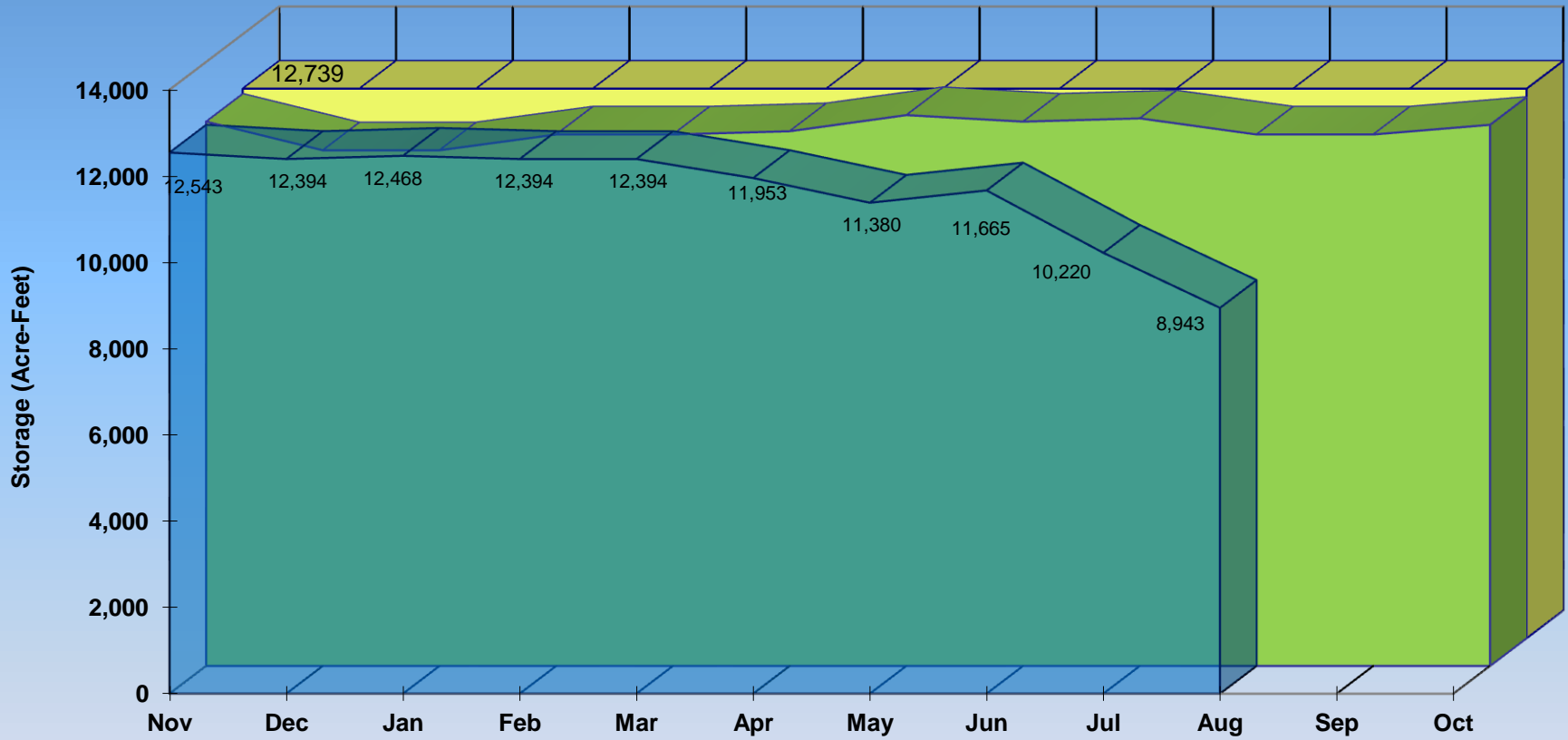


■ 2011-12 Monthly Storage

■ 2010-11 Monthly Storage

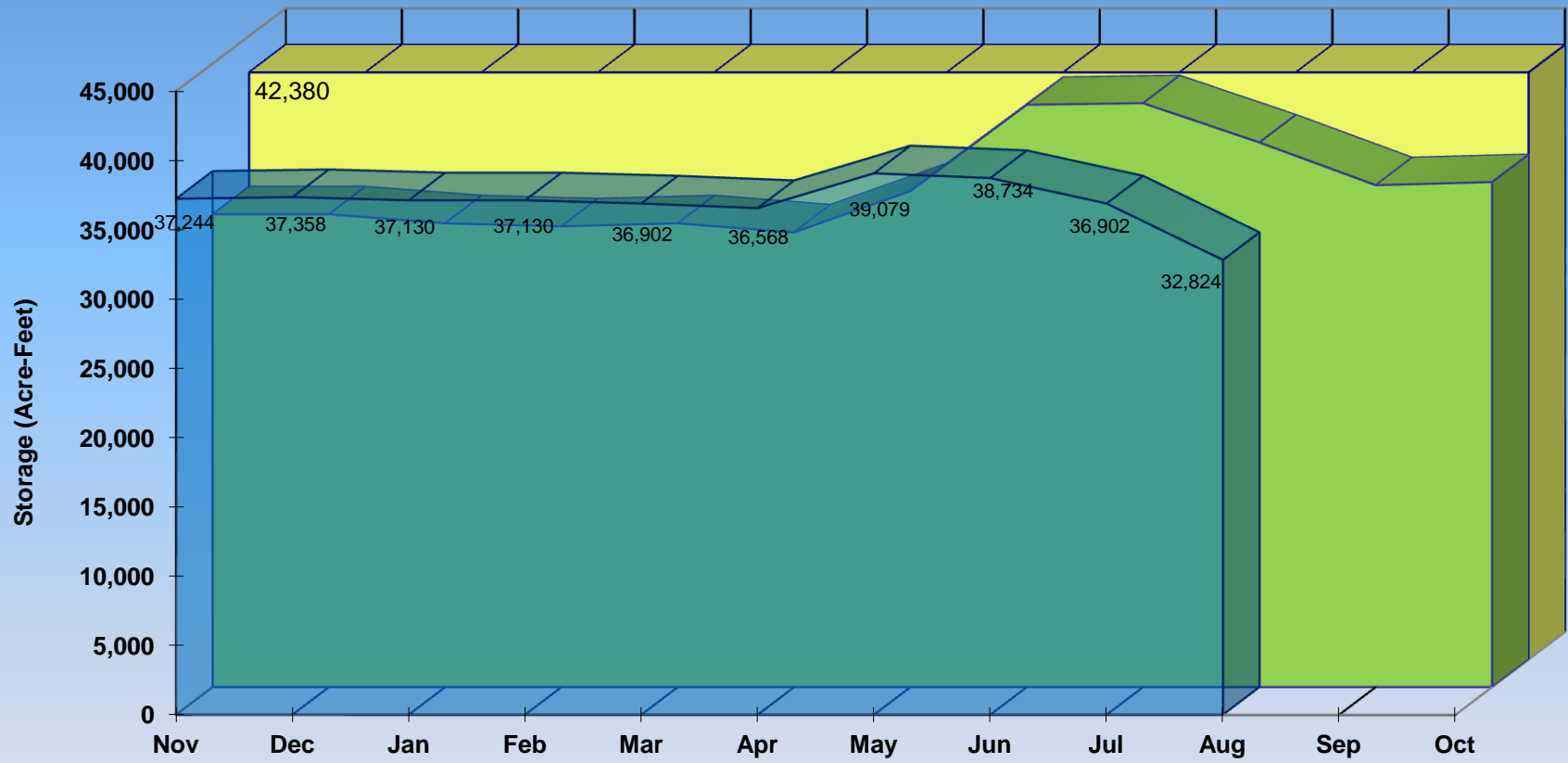
■ Total Storage

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



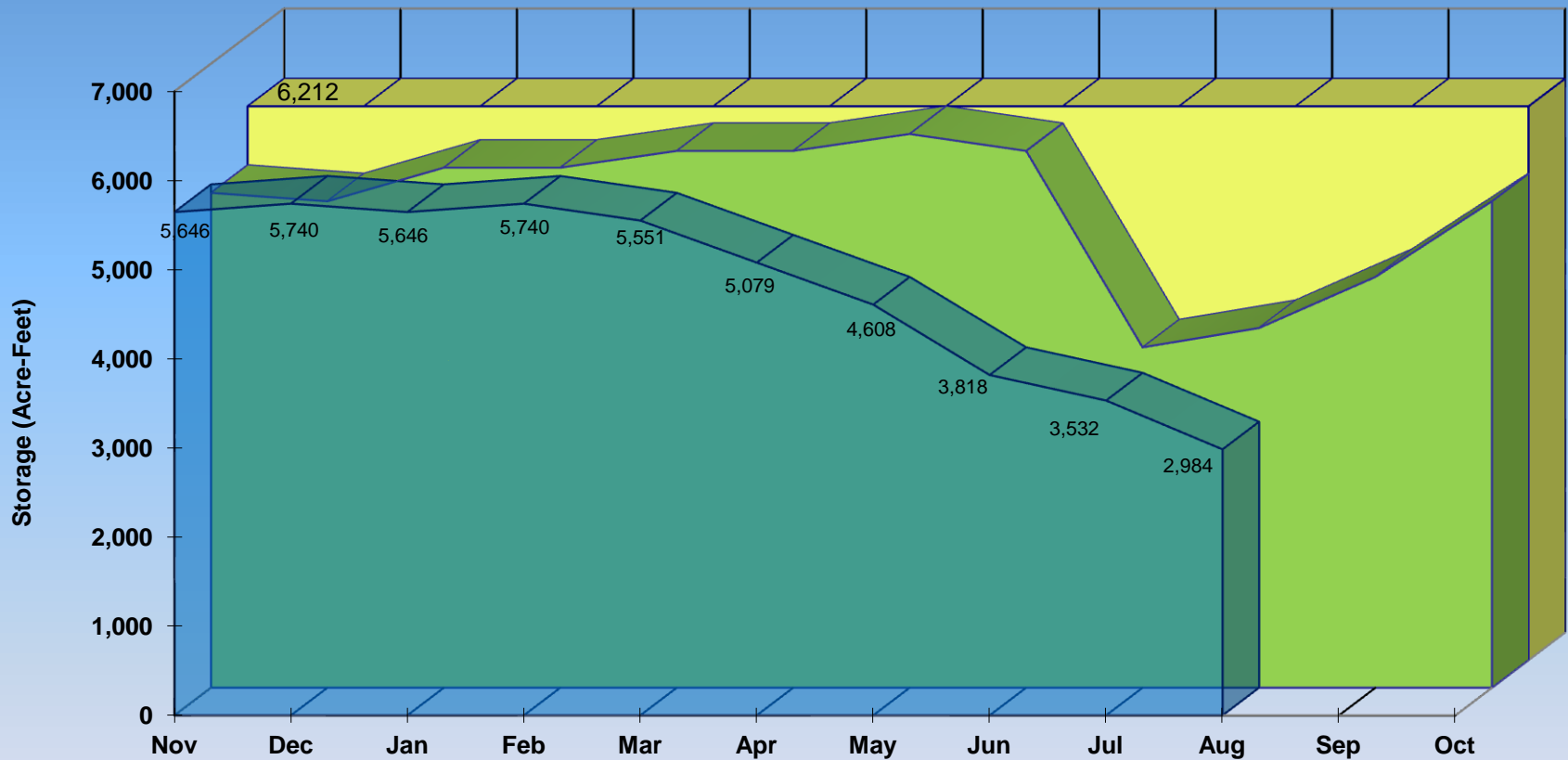
■ 2011-12 Monthly Storage     
 ■ 2010-11 Monthly Storage     
 ■ Total Storage

# Standley Lake (Agricultural)



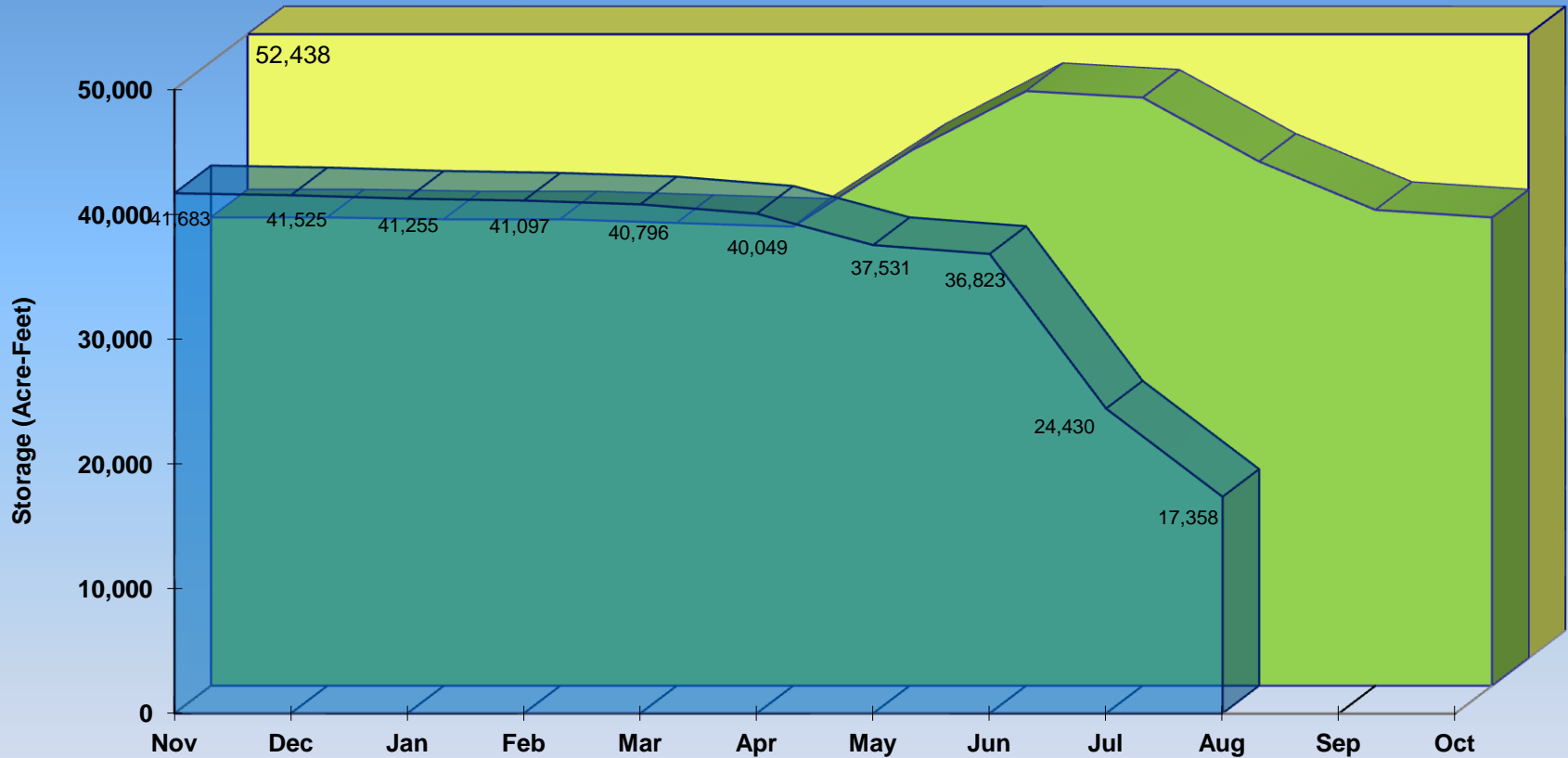
■ 2011-12 Monthly Storage     
 ■ 2010-11 Monthly Storage     
 ■ Total Storage

# Lower Latham Reservoir (District 2 - Agricultural)



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

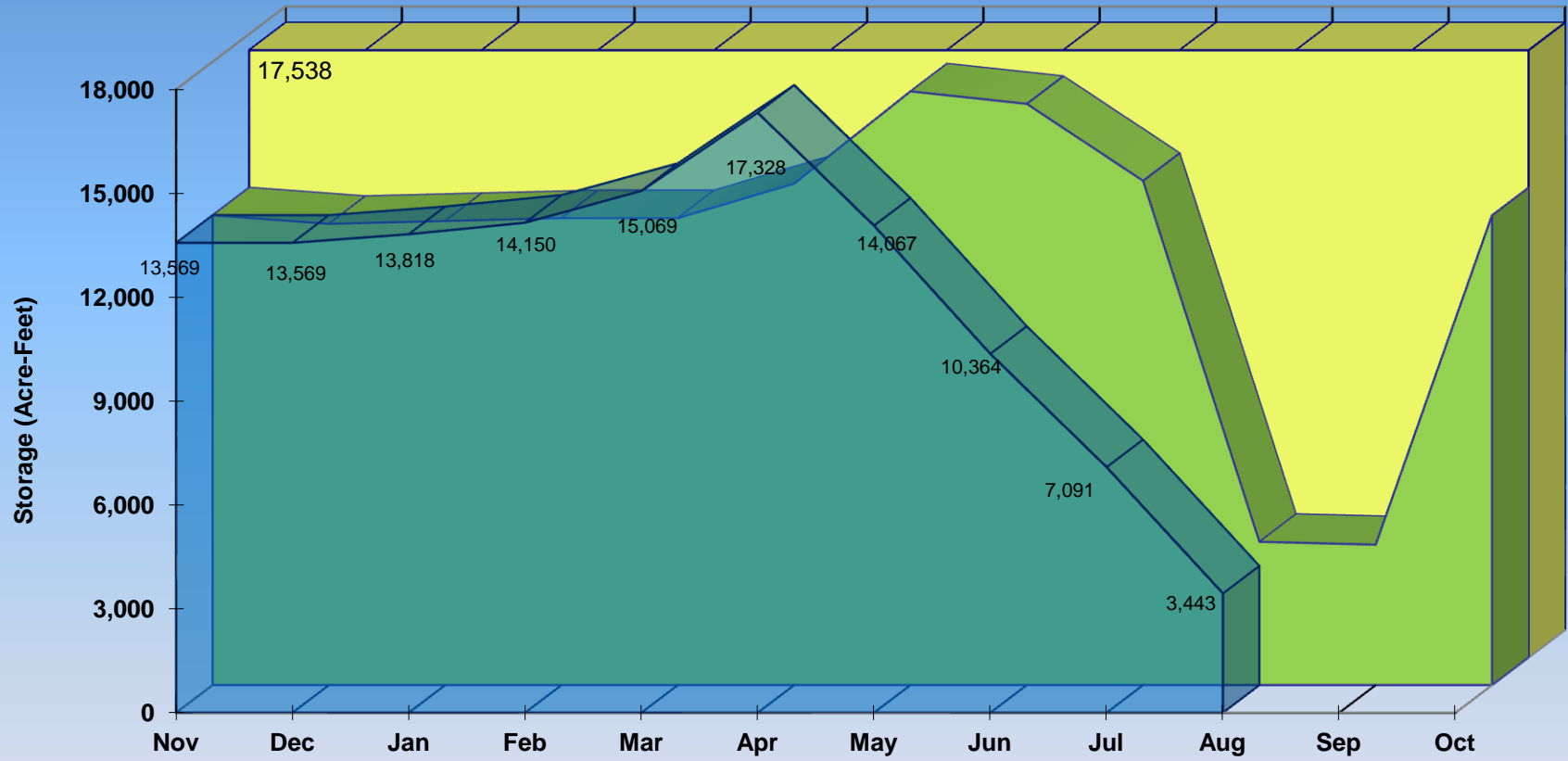
# Boyd Lake (District 4, Big Thompson River - Agricultural)



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

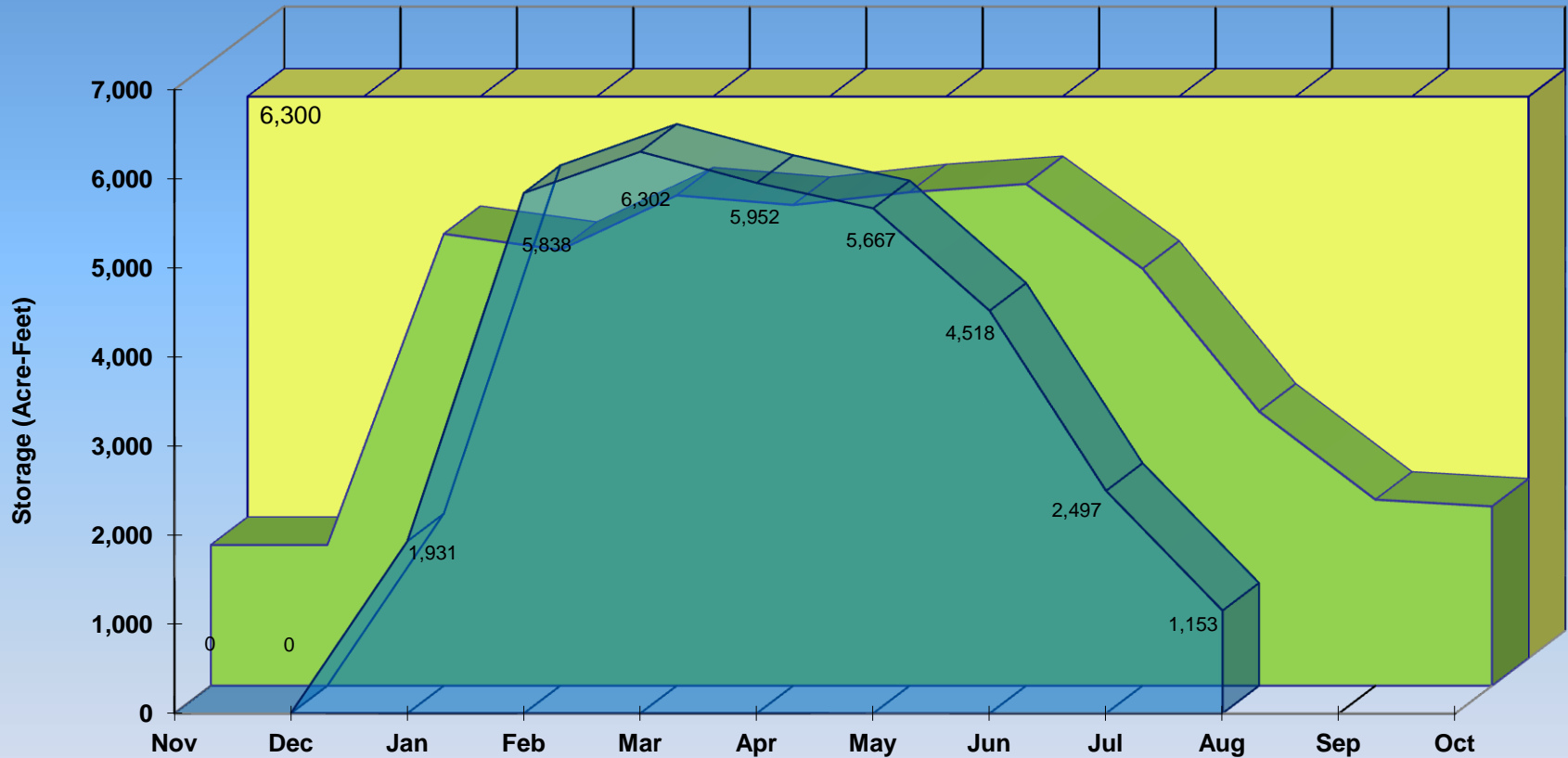


# Windsor Reservoir (District 3, Poudre River - Agricultural)



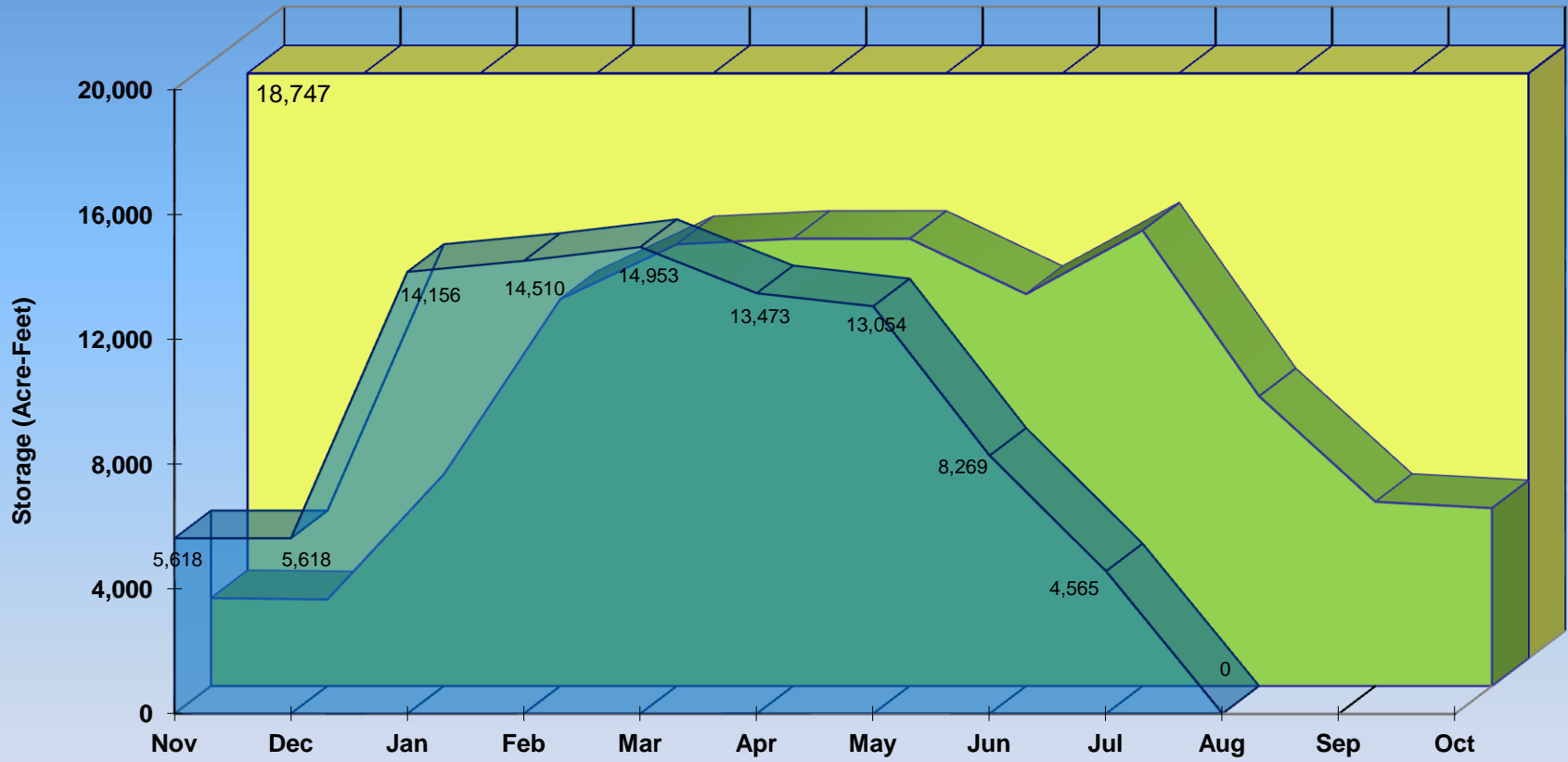
■ 2011-12 Monthly Storage     
 ■ 2010-11 Monthly Storage     
 ■ Total Storage

# Prospect Reservoir (District 1- Agricultural)



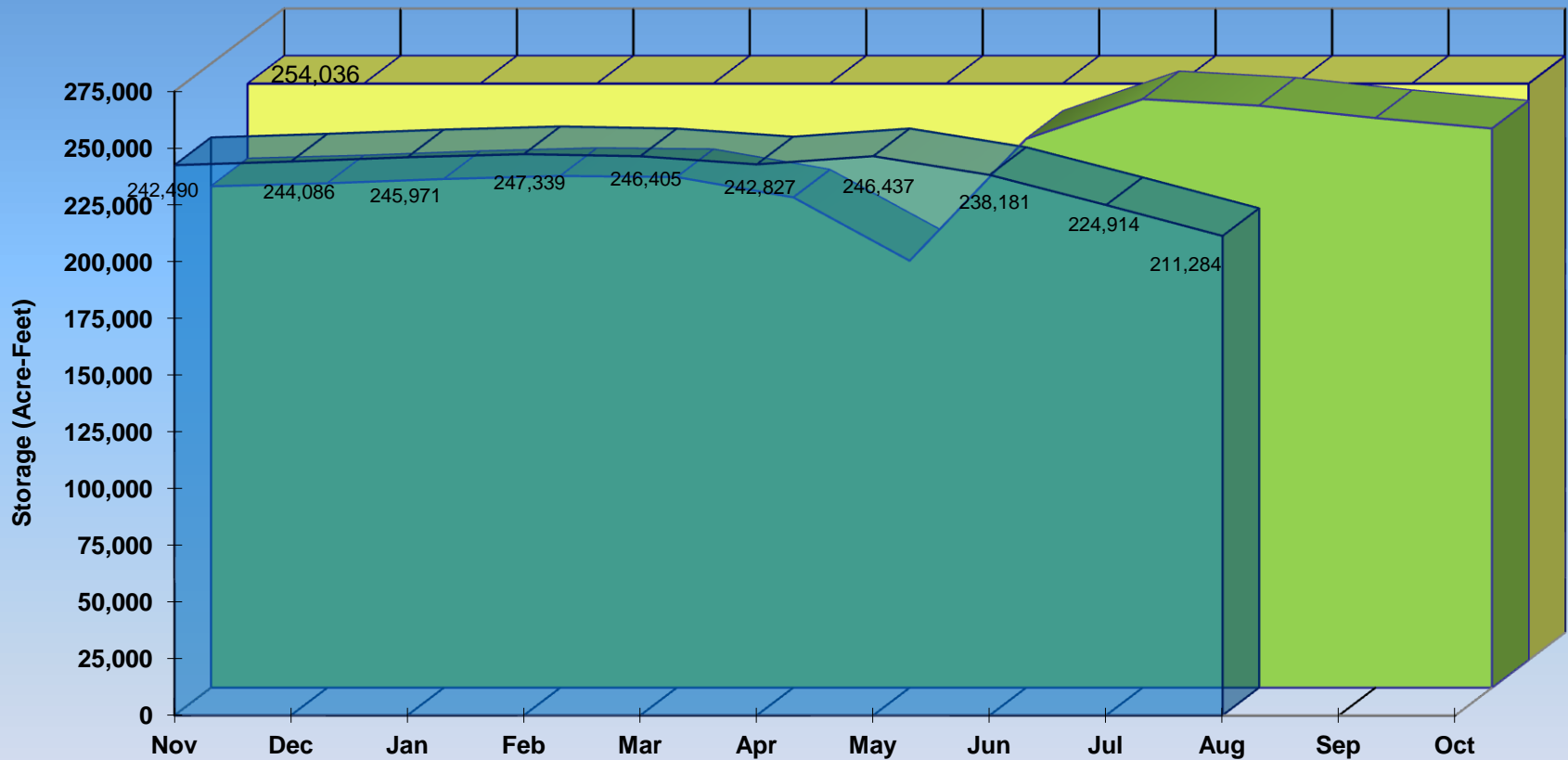
■ 2011-12 Monthly Storage    
 ■ 2009-10 Monthly Storage    
 ■ Total Storage

# Horse Creek Reservoir (District 1 - Agricultural)



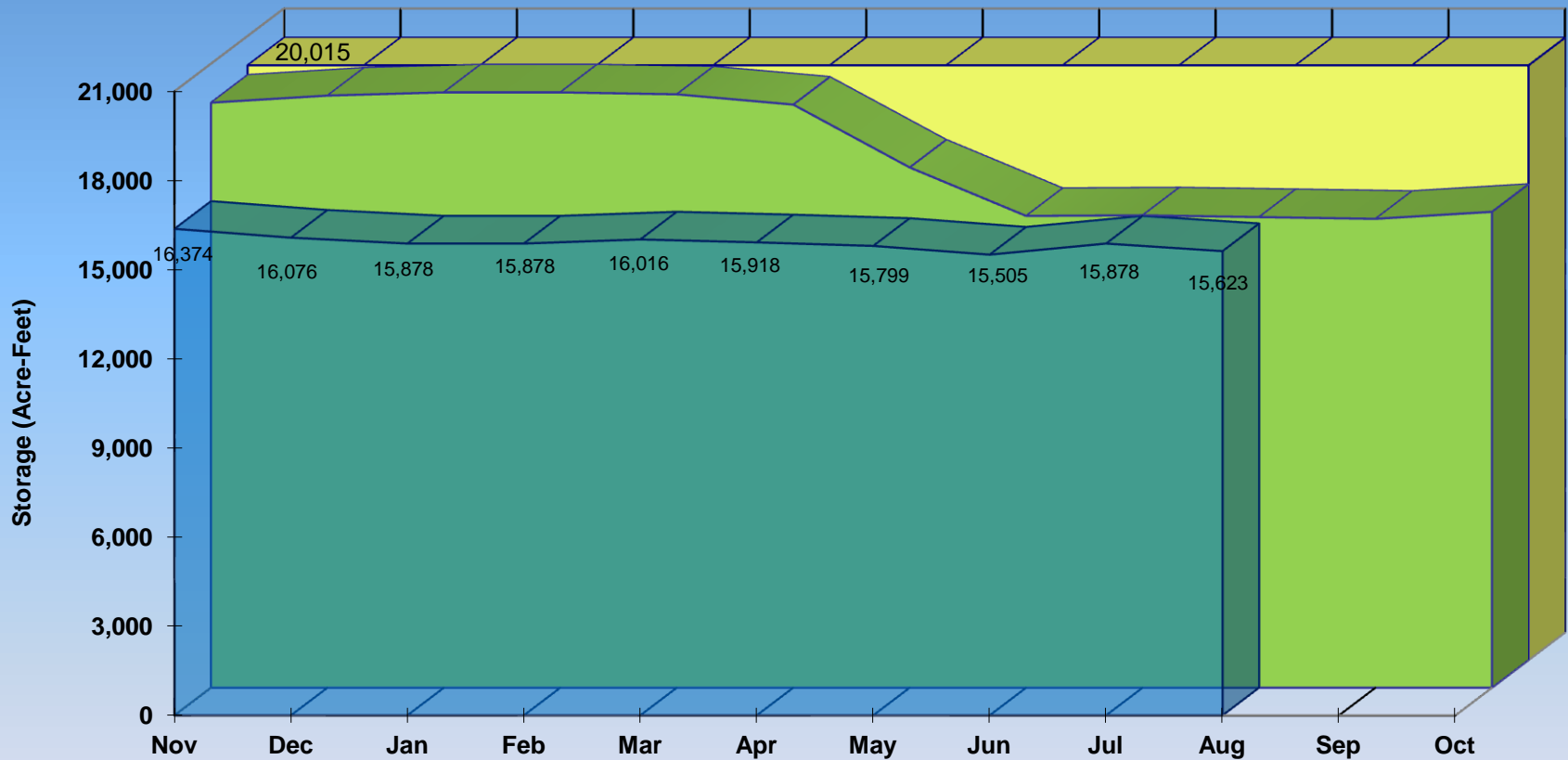
■ 2011-12 Monthly Storage     
 ■ 2010-11 Monthly Storage     
 ■ Total Storage

# Dillon Reservoir (Municipal)



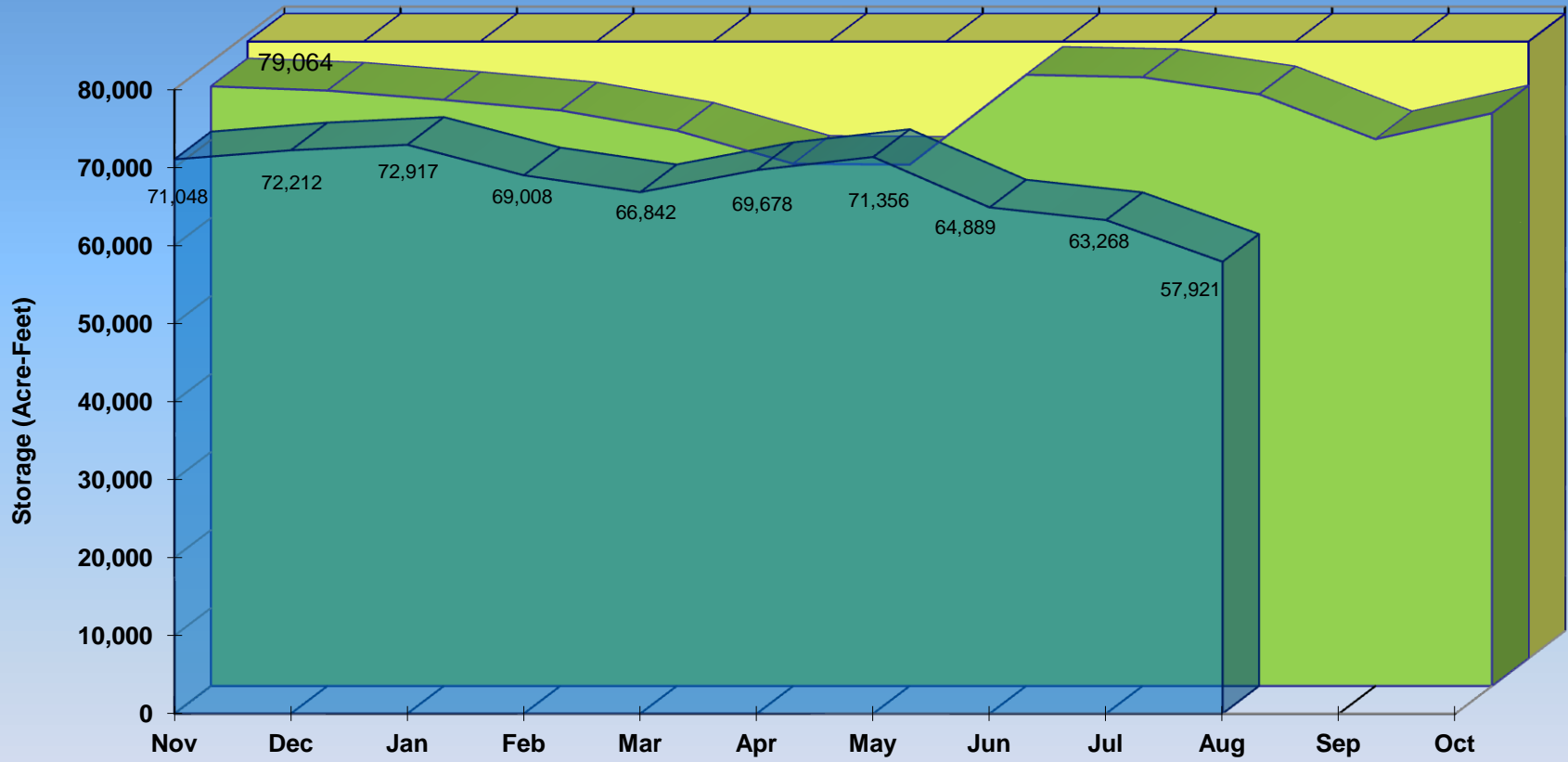
■ 2011-12 Monthly Storage    
 ■ 2010-11 Monthly Storage    
 ■ Total Storage

# Antero Reservoir (District 23 - Municipal)



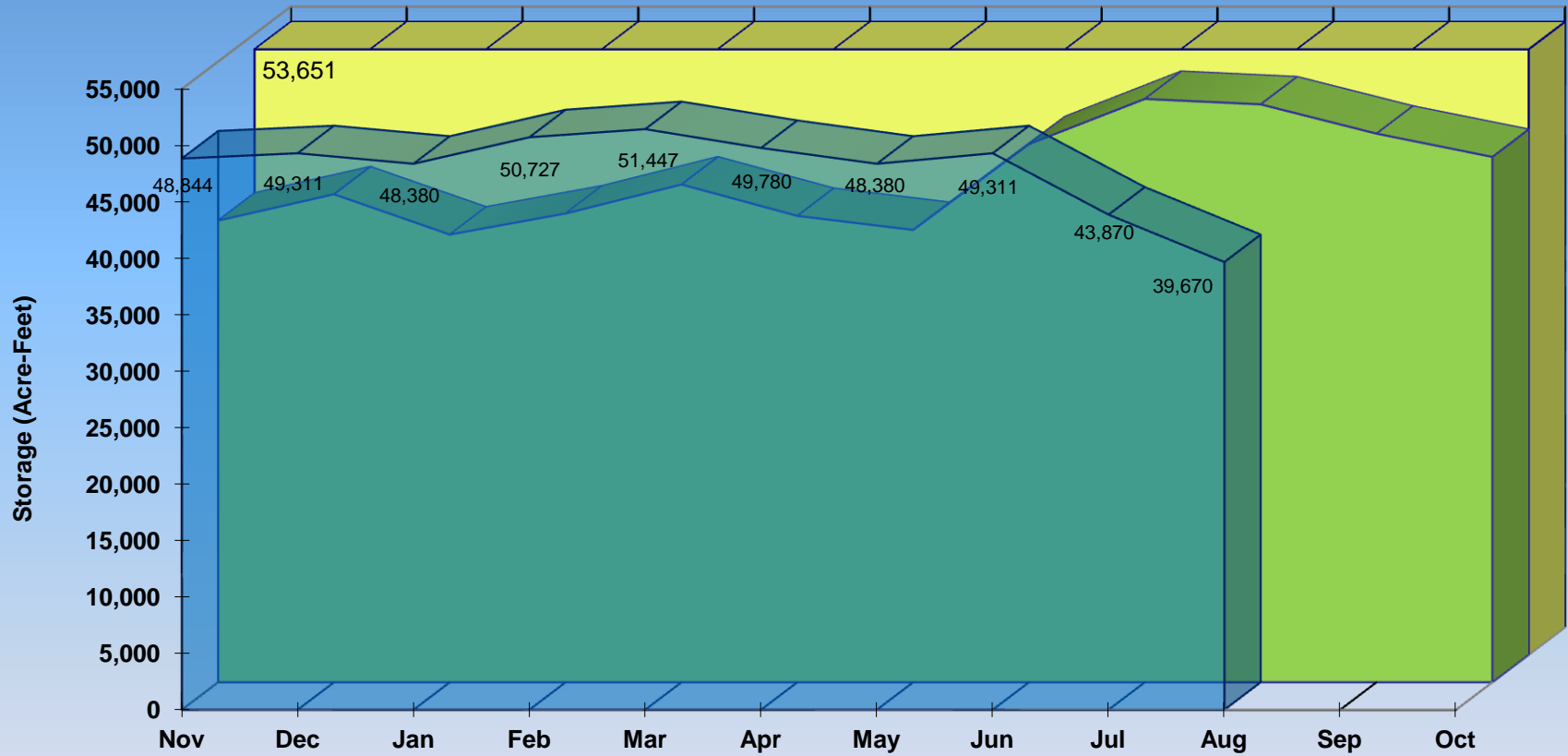
■ 2011-12 Monthly Storage     
 ■ 2010-11 Monthly Storage     
 ■ Total Storage

# Cheesman Reservoir (District 80 - Municipal)



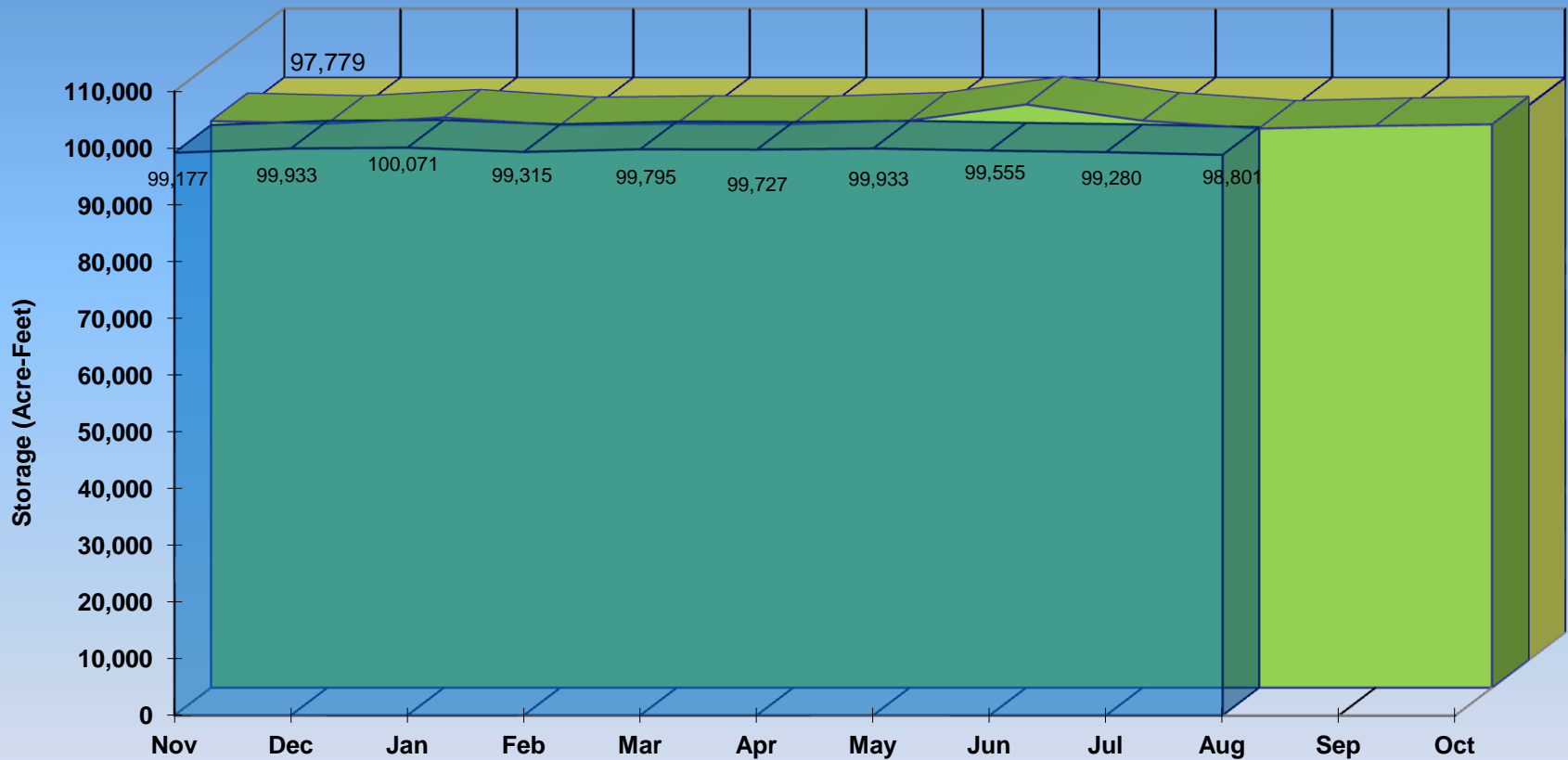
■ 2011-12 Monthly Storage     
 ■ 2010-11 Monthly Storage     
 ■ Total Storage

# Spinney Mountain Reservoir (District 23 - Municipal)



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

# Eleven Mile Reservoir (District 23 - Municipal)



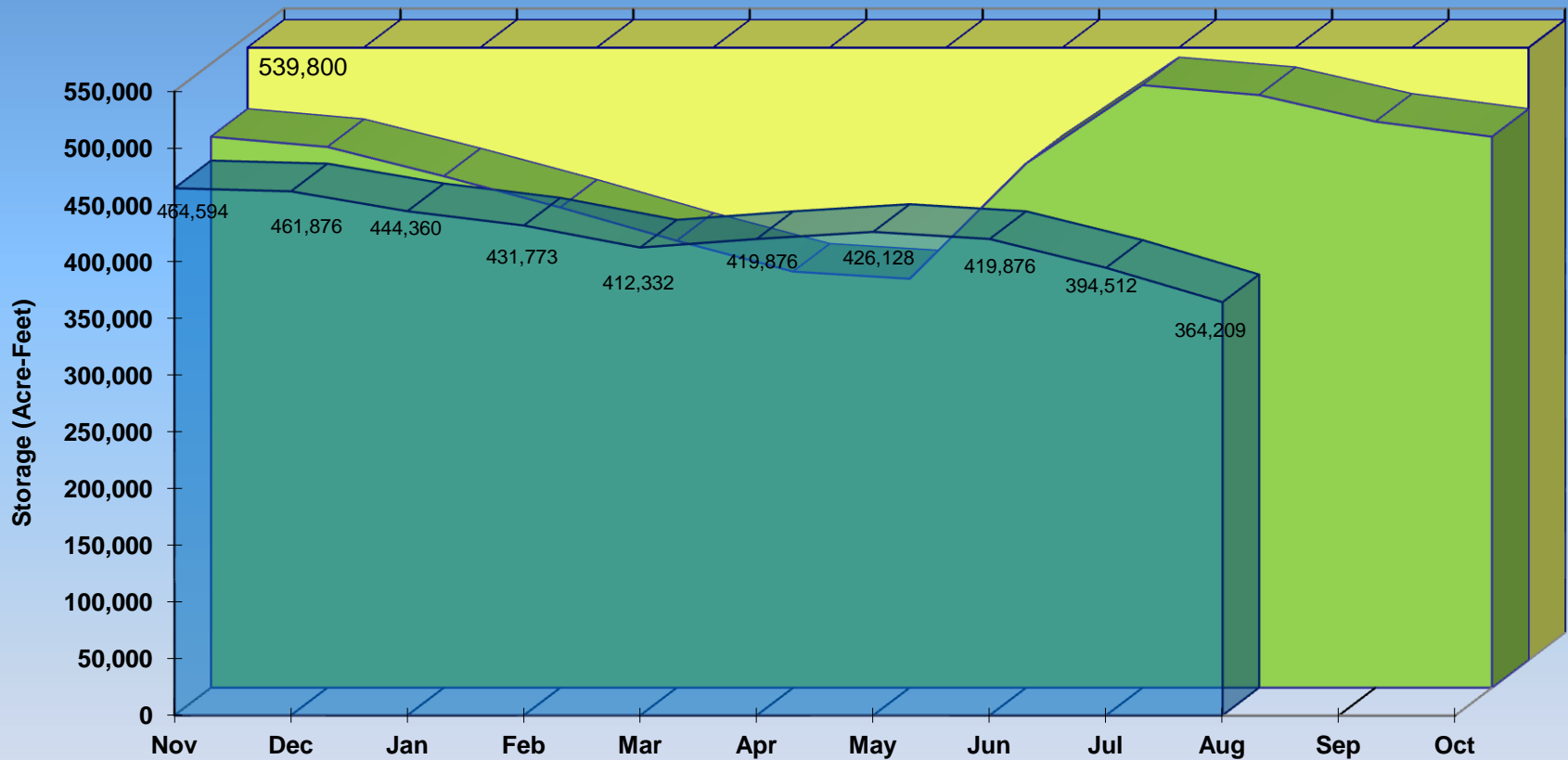
2011-12 Monthly Storage

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.**