

# South Platte Summary

March 2011



Compiled by Lee Cuning, P.E.



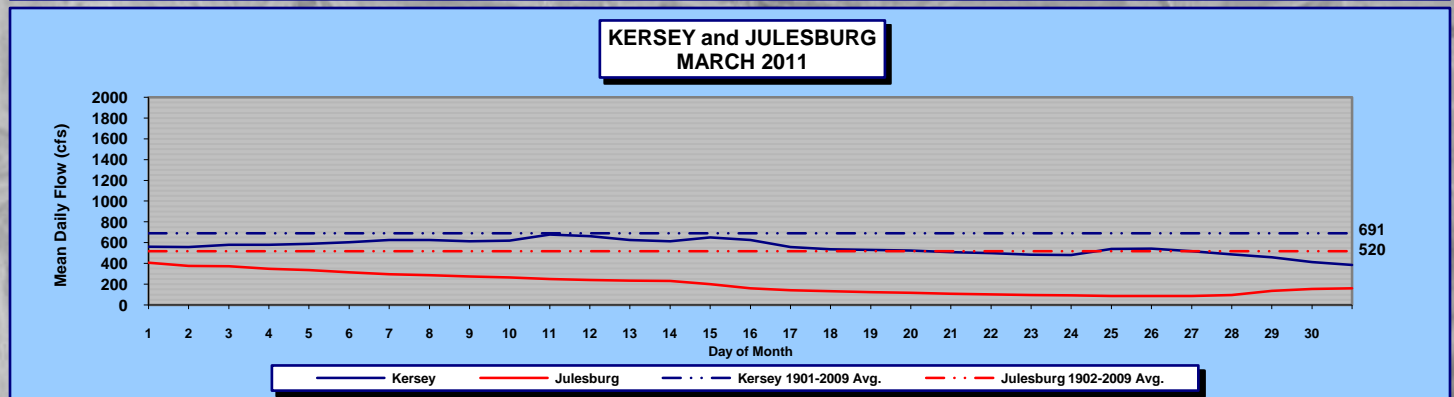
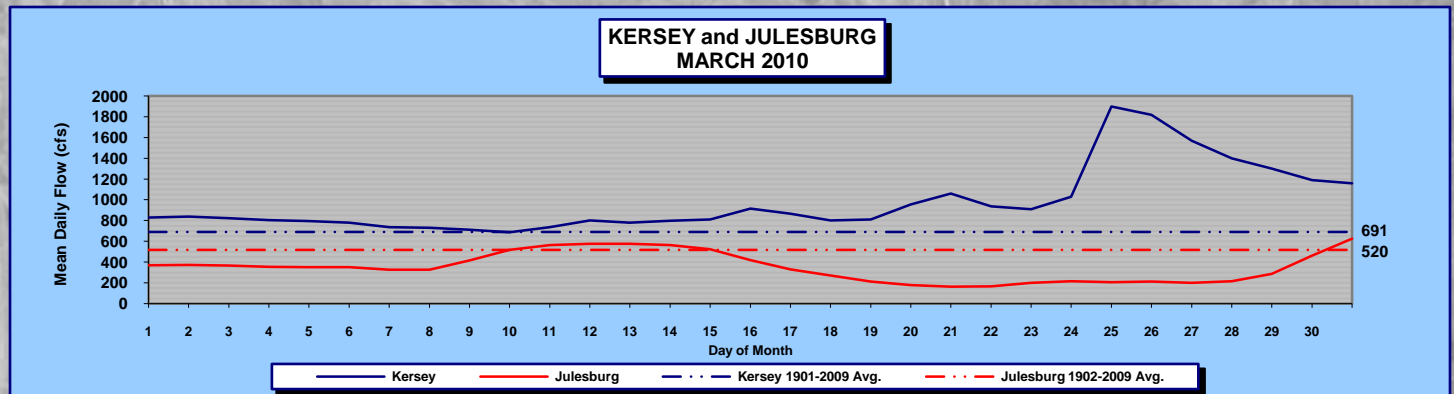
Big Thompson River at Drake  
Photo by Jason Smith

# COLORADO DIVISION OF WATER RESOURCES, DIVISION 1

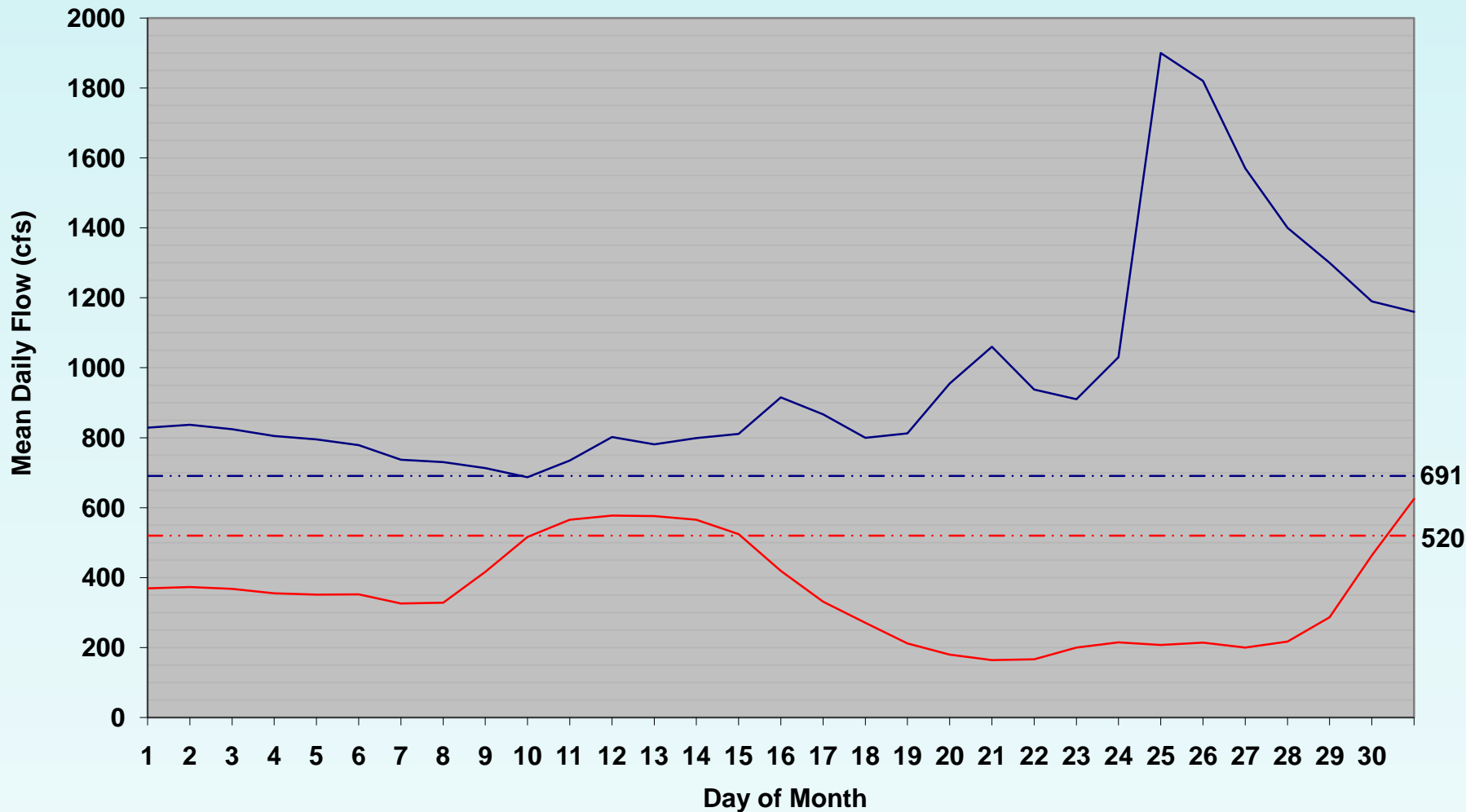
## MONTH OF MARCH 2011

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	18,685	22,666	64	3,981	21%	100%	100%	0
N STERLING	73,730	70,601	74,587	64	3,986	6%	100%	100%	857
PREWITT	28,500	26,428	28,365	64	1,937	7%	100%	100%	0
JACKSON	27,257	27,257	26,676	1	-581	-2%	98%	100%	0
EMPIRE	37,700	37,181	37,709	1	528	1%	100%	100%	9
RIVERSIDE	63,113	57,094	63,189	1	6,095	11%	100%	99%	76
BARR LAKE	32,152	25,676	29,314	2	3,638	14%	91%	89%	0
CHEESMAN	79,064	73,785	71,192	80	-2,593	-4%	90%	75%	0
ELEVEN MILE	97,779	99,177	99,418	23	241	0%	100%	100%	1,639
SPINNEY	53,651	41,536	44,108	23	2,572	6%	82%	72%	0
ANTERO	20,015	20,037	19,971	23	-66	0%	100%	100%	0

RIVER GAGES	MEAN DAILY FLOW (CFS)
<b>KERSEY</b>	<b>558</b>
<b>JULESBURG</b>	<b>205</b>
<b>THIS MONTH LAST YEAR</b>	
<b>KERSEY</b>	<b>977</b>
<b>JULESBURG</b>	<b>353</b>
<b>MEAN FOR PERIOD OF RECORD*</b>	
<b>KERSEY</b>	<b>691</b>
<b>JULESBURG</b>	<b>520</b>
* 1901-2010	
1902-2010	

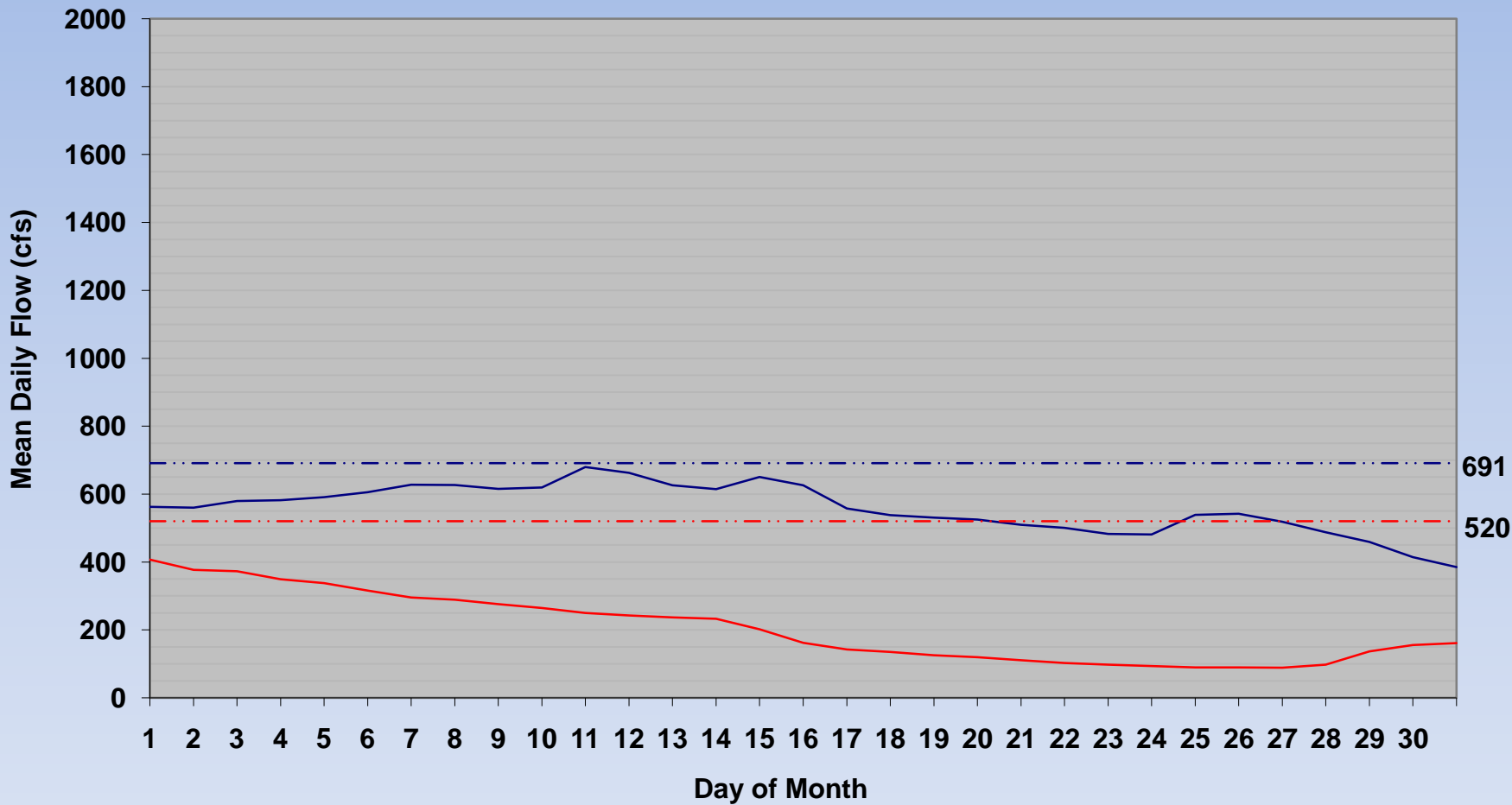


# KERSEY and JULESBURG MARCH 2010



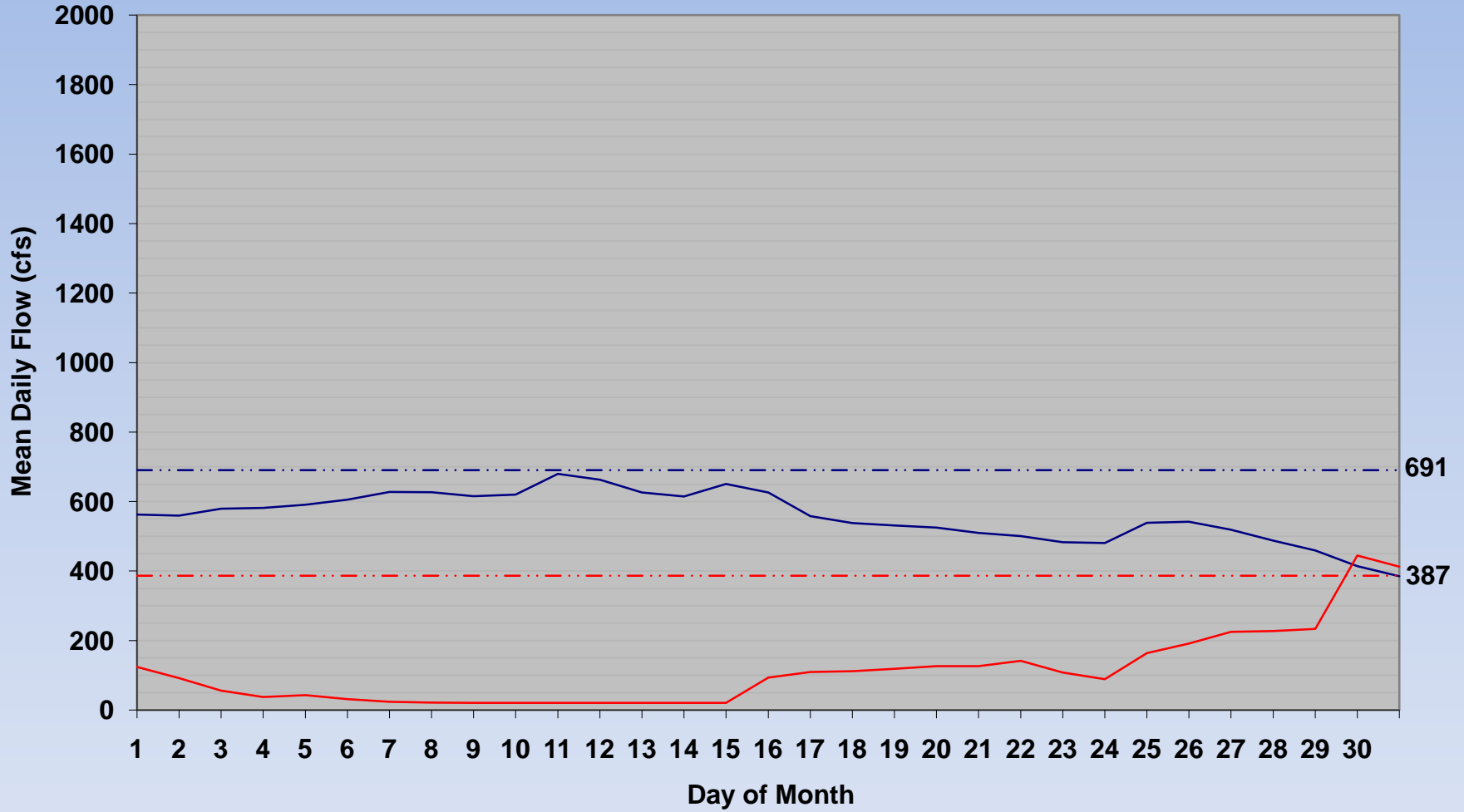
— Kersey — Julesburg - · - · Kersey 1901-2009 Avg. - · - · Julesburg 1902-2009 Avg.

# KERSEY and JULESBURG MARCH 2011



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

# KERSEY and BALZAC MARCH 2011



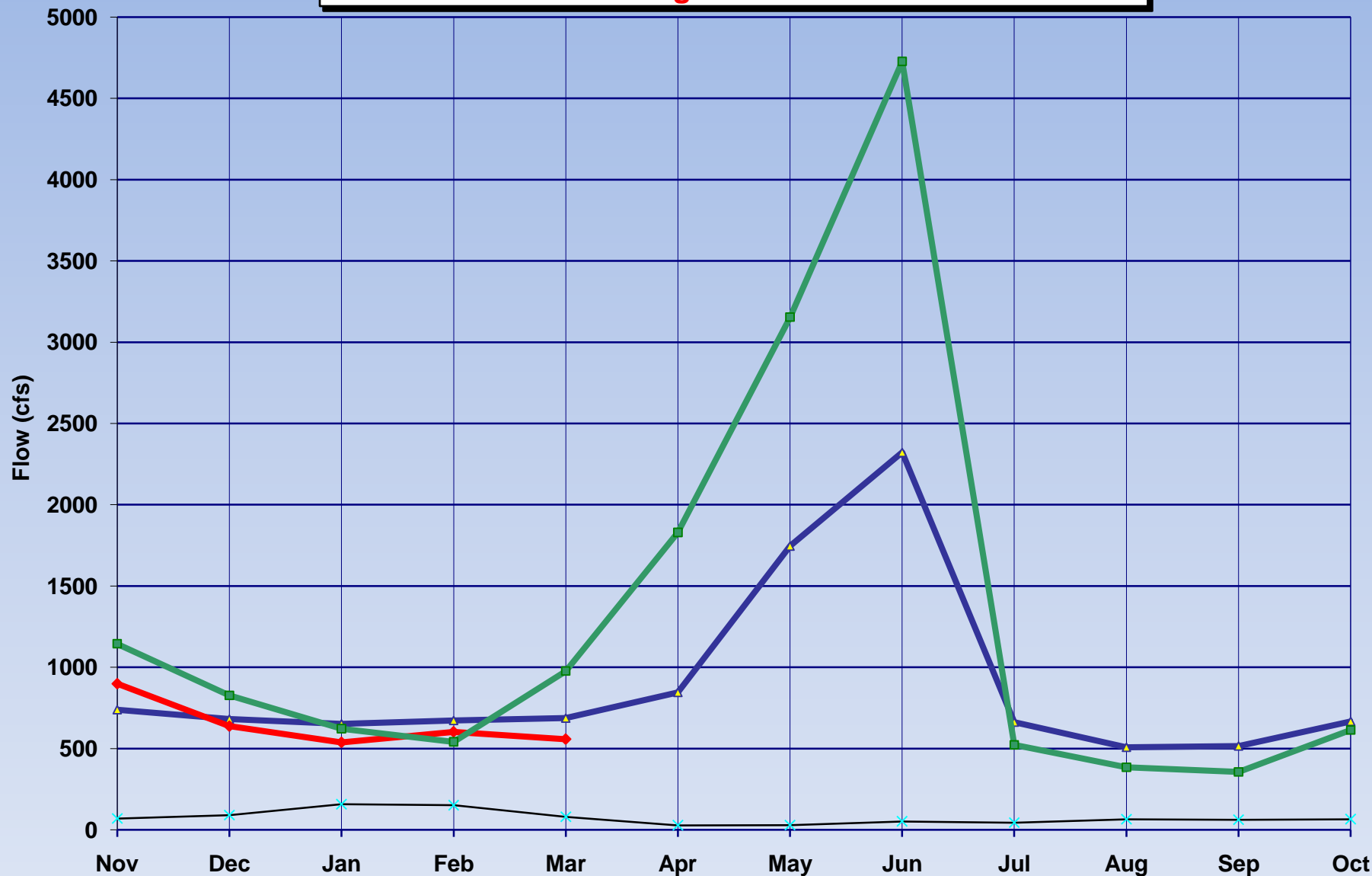
— Kersey — Balzac - - - Kersey 1901-2009 Avg. - - - Balzac 1917-2009 Avg.

## 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 2011 Mean Monthly Flow	Month	Historic* Mean Flow	Historic* Max Flow	Year	Historic* Min Flow	Year	IY 2011 Mean Monthly Flow
Nov	740	3650	1984	70	1934	888	Nov	335	2900	1984	4.2	1903	186
Dec	682	1890	1961	91	1934	638	Dec	397	1820	1984	13	2002	249
Jan	652	2160	1974	158	1935	538	Jan	509	2510	1970	21	2003	404
Feb	674	3060	1914	152	1935	603	Feb	582	3220	1930	29	2005	500
Mar	688	3470	1983	80	1935	558	Mar	522	12900	1910	15	1904	205
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

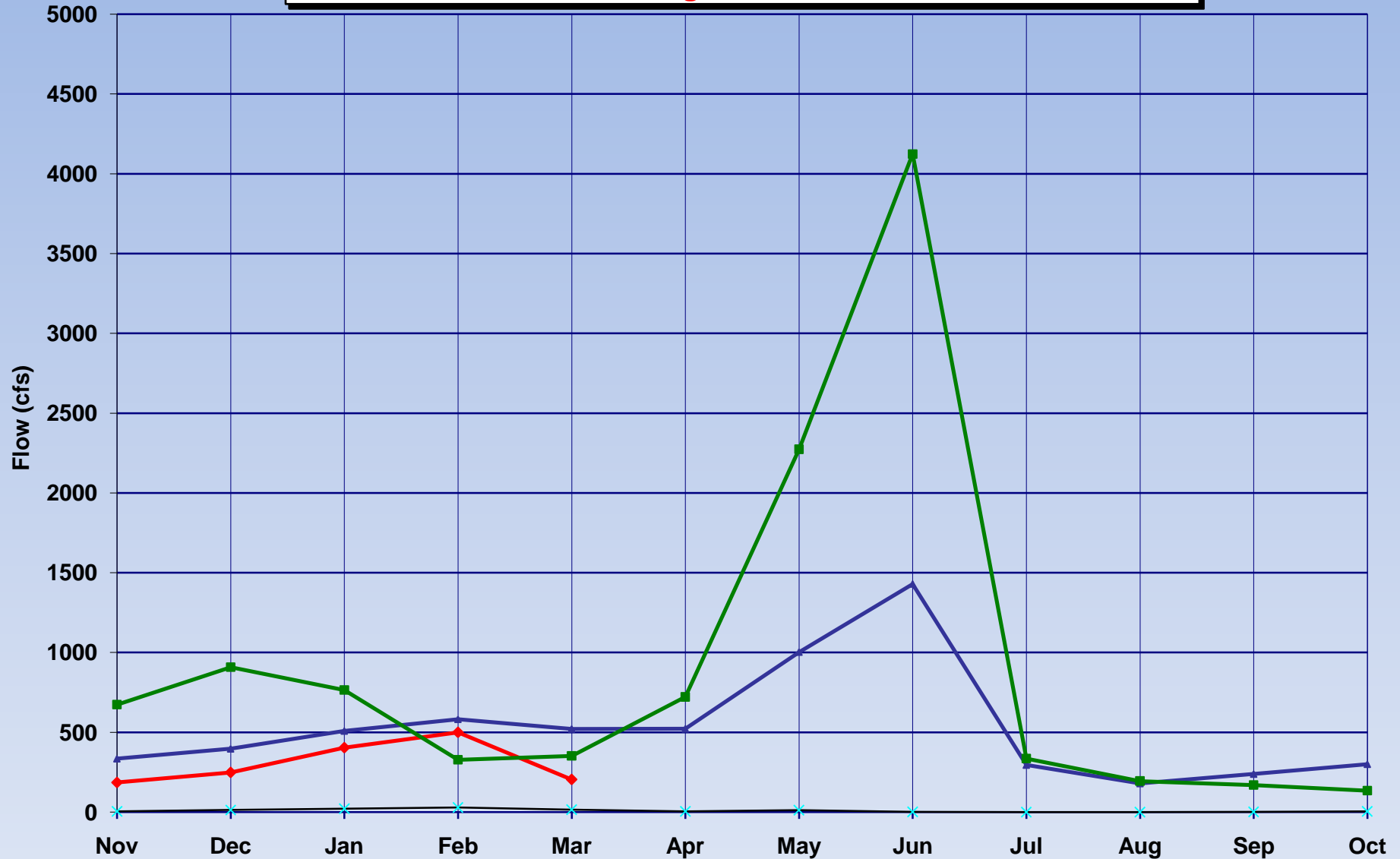


Historic\* Mean Flow    Historic\* Min Flow    2010-2011 Mean Flow    2009-2010 Mean Flow

\*1901-2010

# South Platte River at Julesburg

Irrigation Year



Historic\* Mean Flow

Historic\* Min Flow

2010-2011 Mean Flow

2009-2010 Mean Flow

\*1902-2010



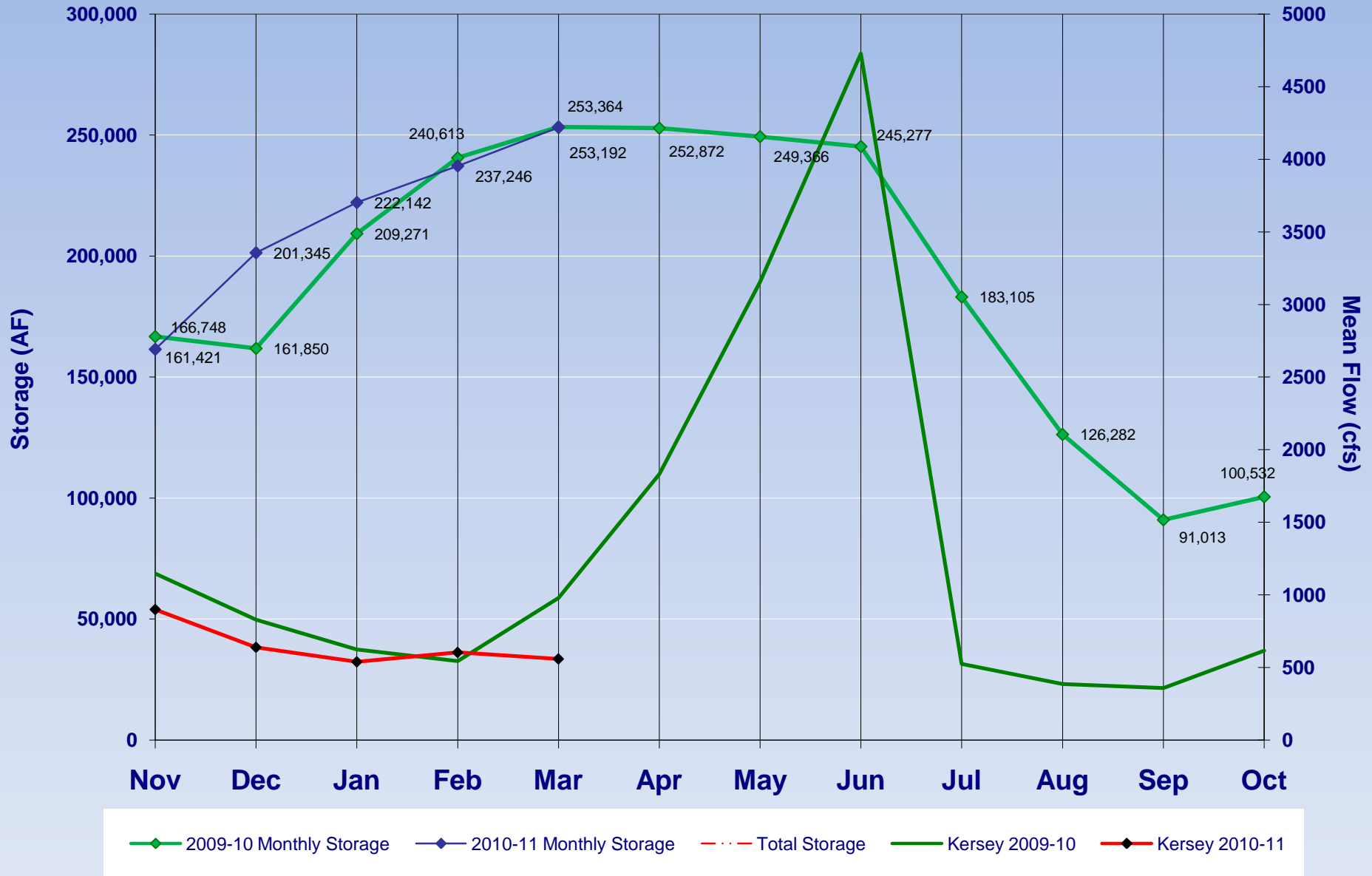
**Next four slides show Reservoir Storage  
above and below Kersey**



Photo by Jason Smith

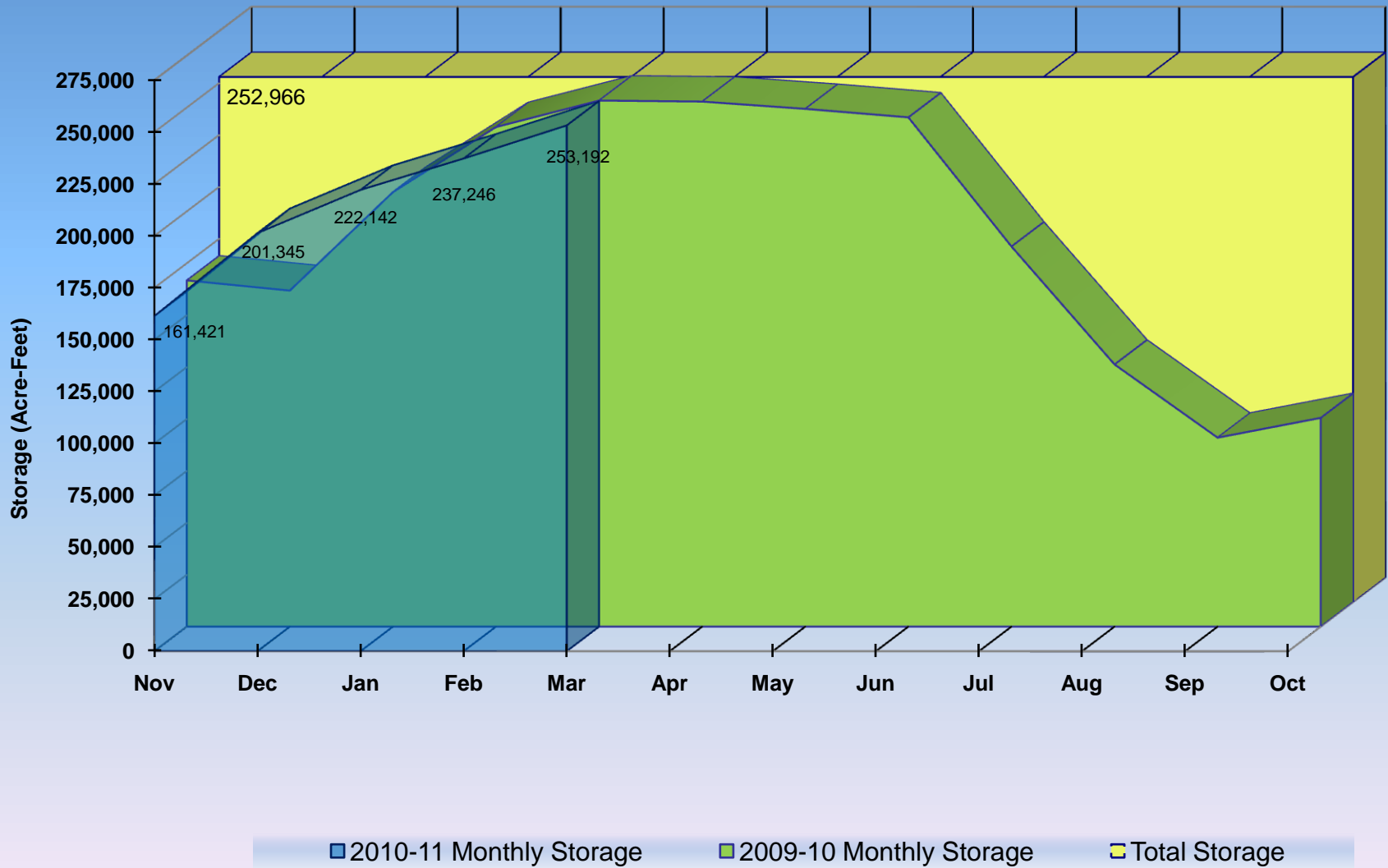
# Reservoir Storage below Kersey

Selected Reservoirs\*



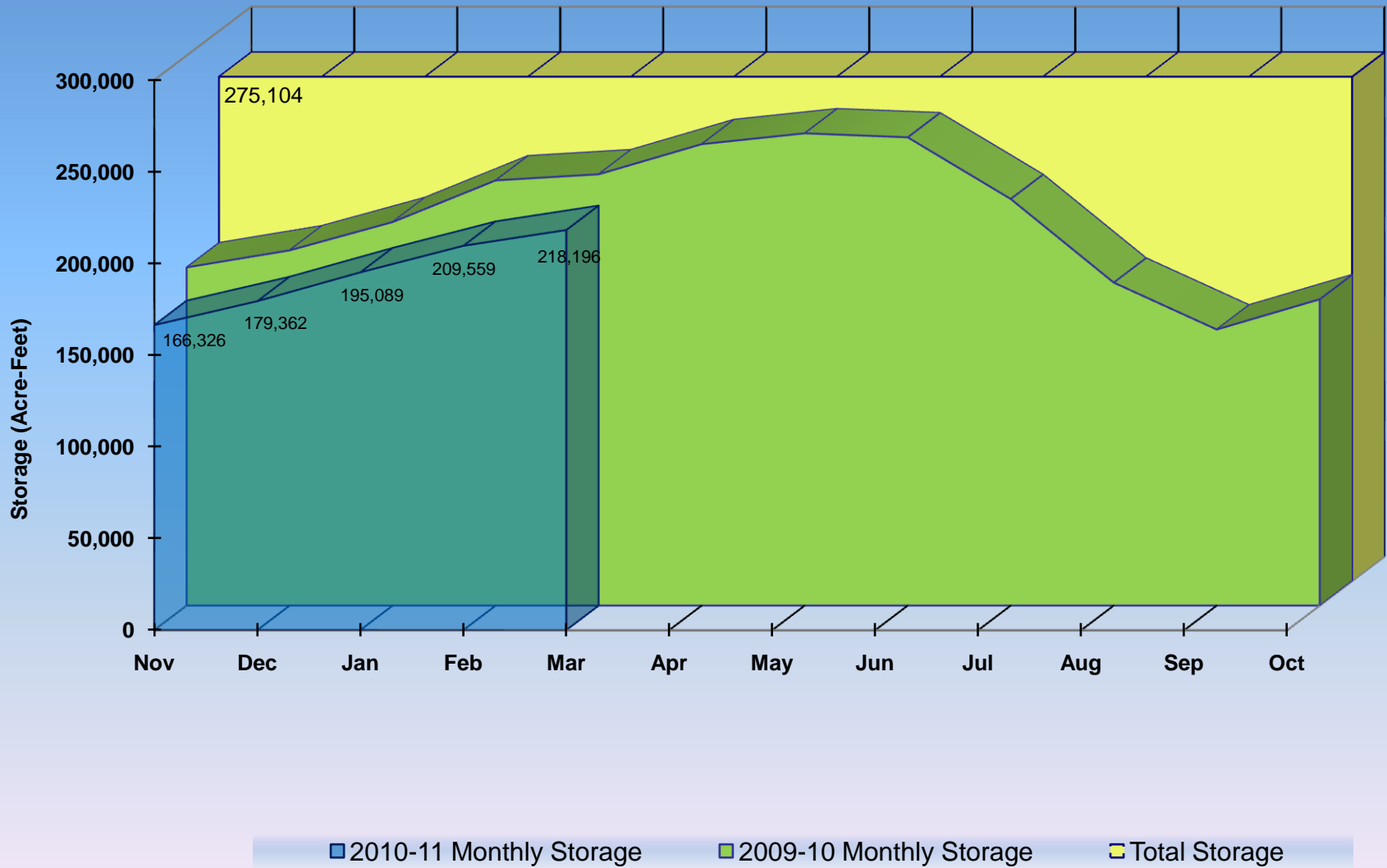
\*Empire, Riverside, Jackson, Prewitt, North Sterling, & Julesburg

# South Platte Reservoir Storage below Kersey\*



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

# South Platte Reservoir Storage above Kersey\*



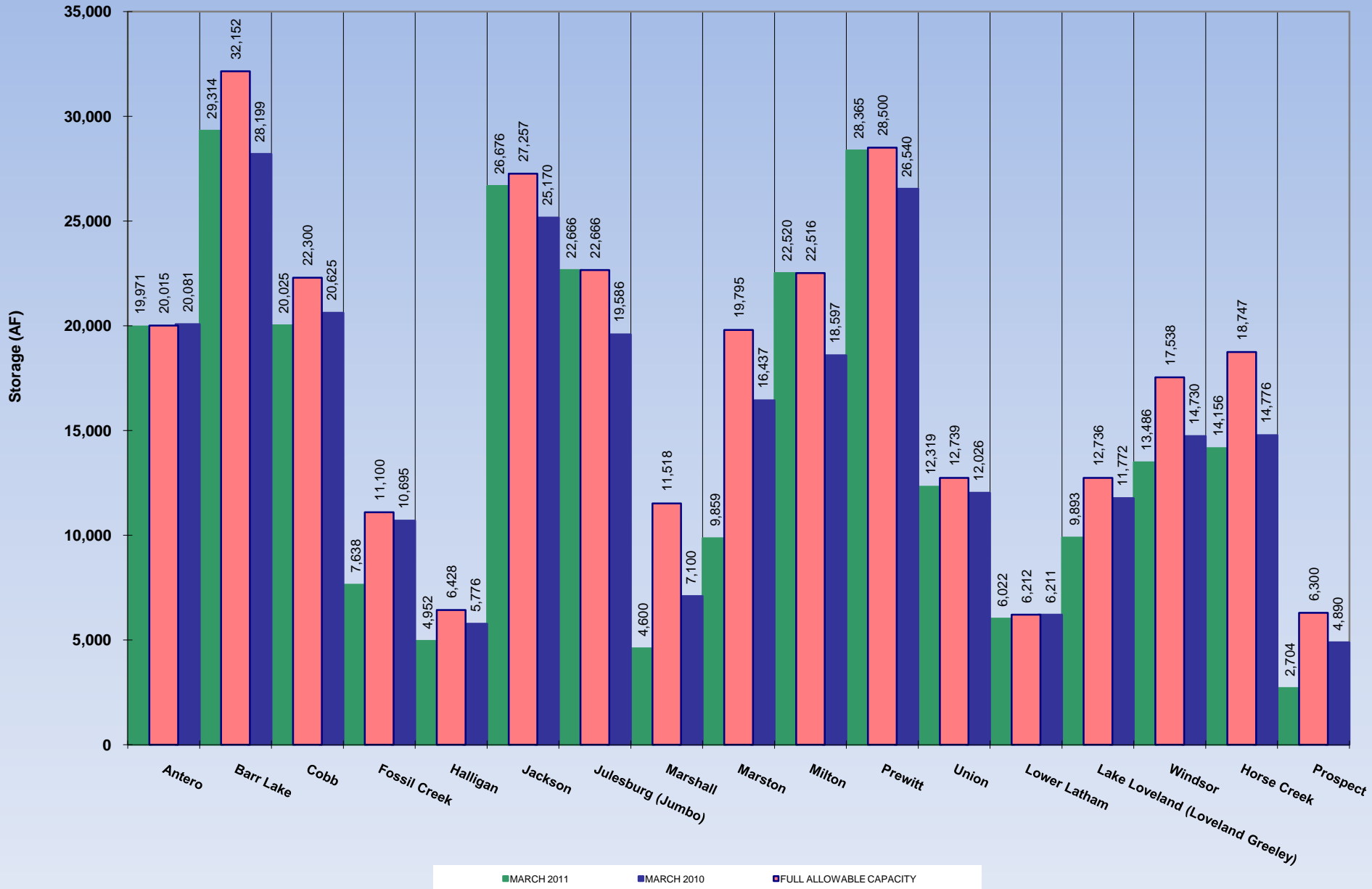
\*Barr, Cobb, Fossil Crk, Halligan, Marshall, Milton, Union, Standley, Lower Latham, Boyd, Loveland, Windsor, Horse Crk, & Prospect

# Individual Reservoir Storage Follows

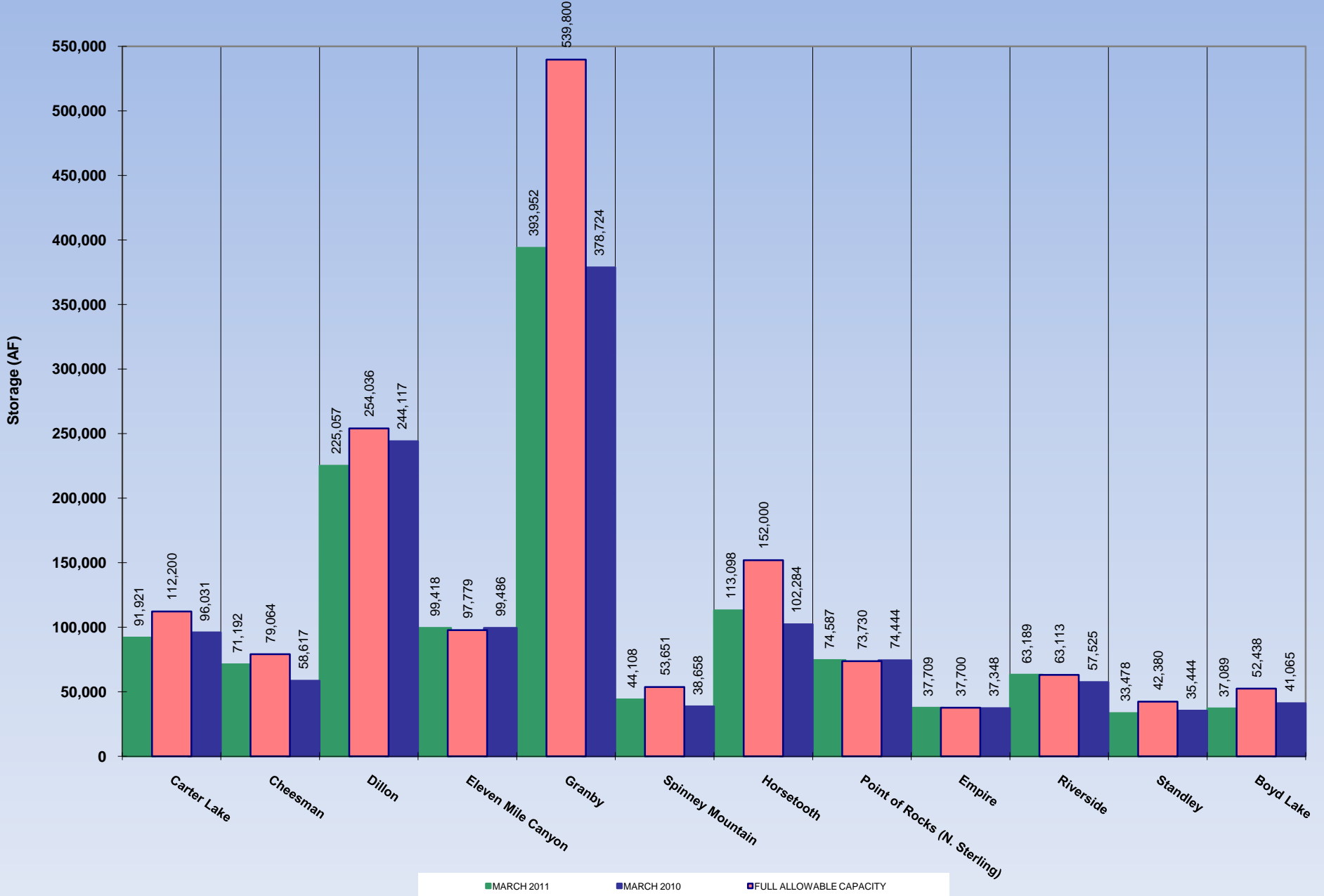


Lake Estes  
Photo by Jason Smith

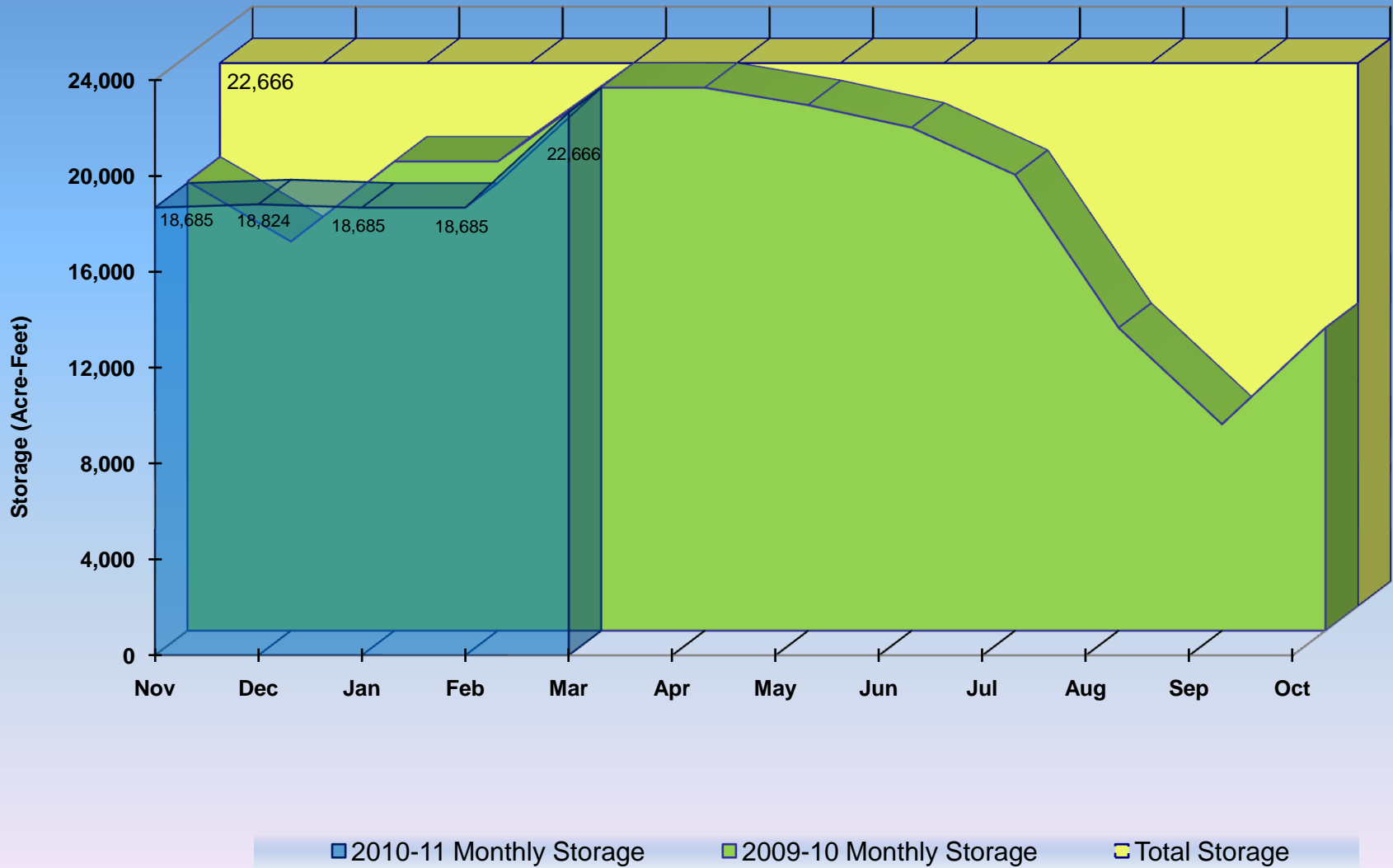
# March Reservoir Change in Storage 2010 versus 2011



# March Reservoir Change in Storage 2010 versus 2011

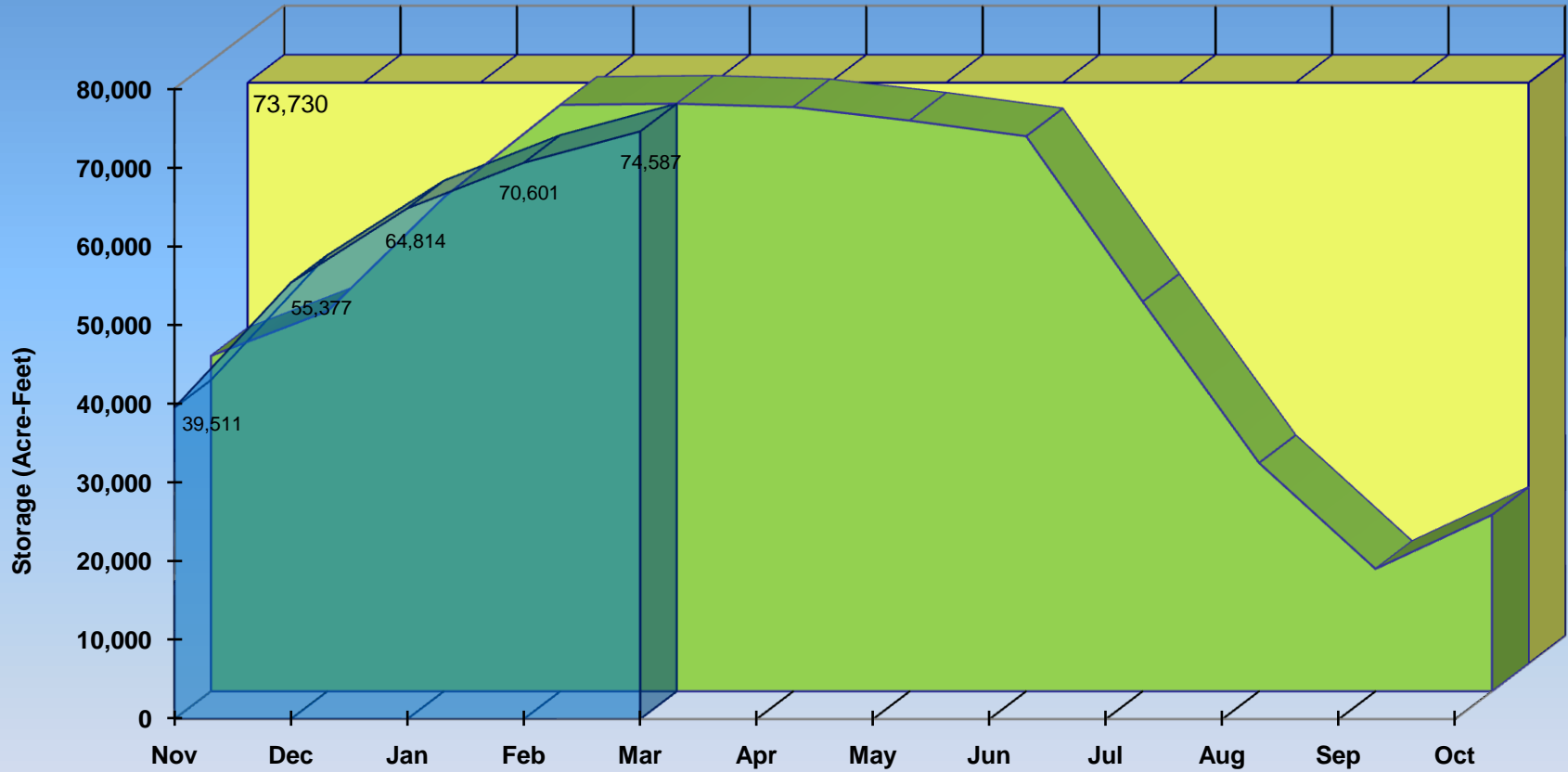


# Julesburg Reservoir (District 64 - Agricultural)



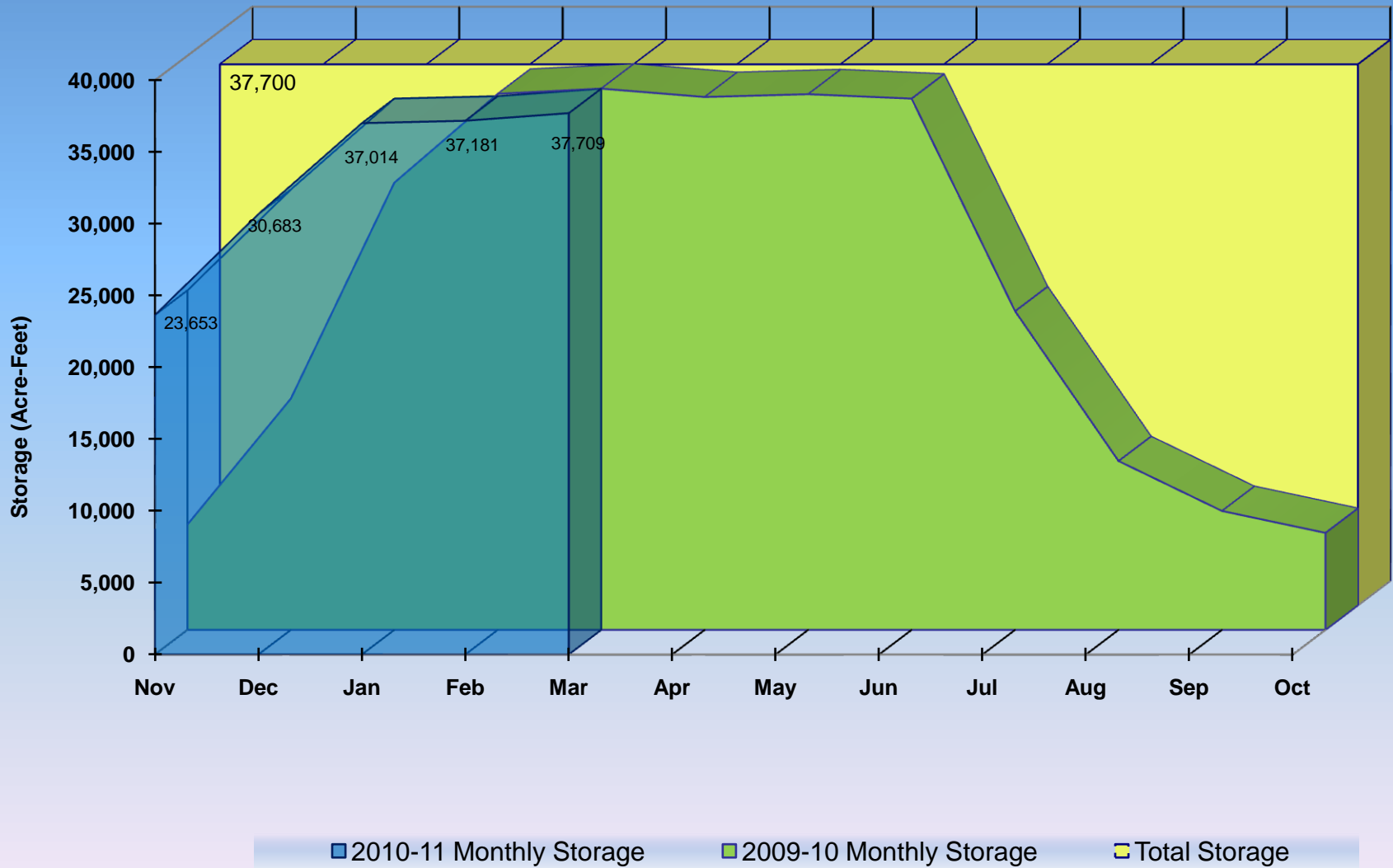


# North Sterling Reservoir (District 64- Agricultural)

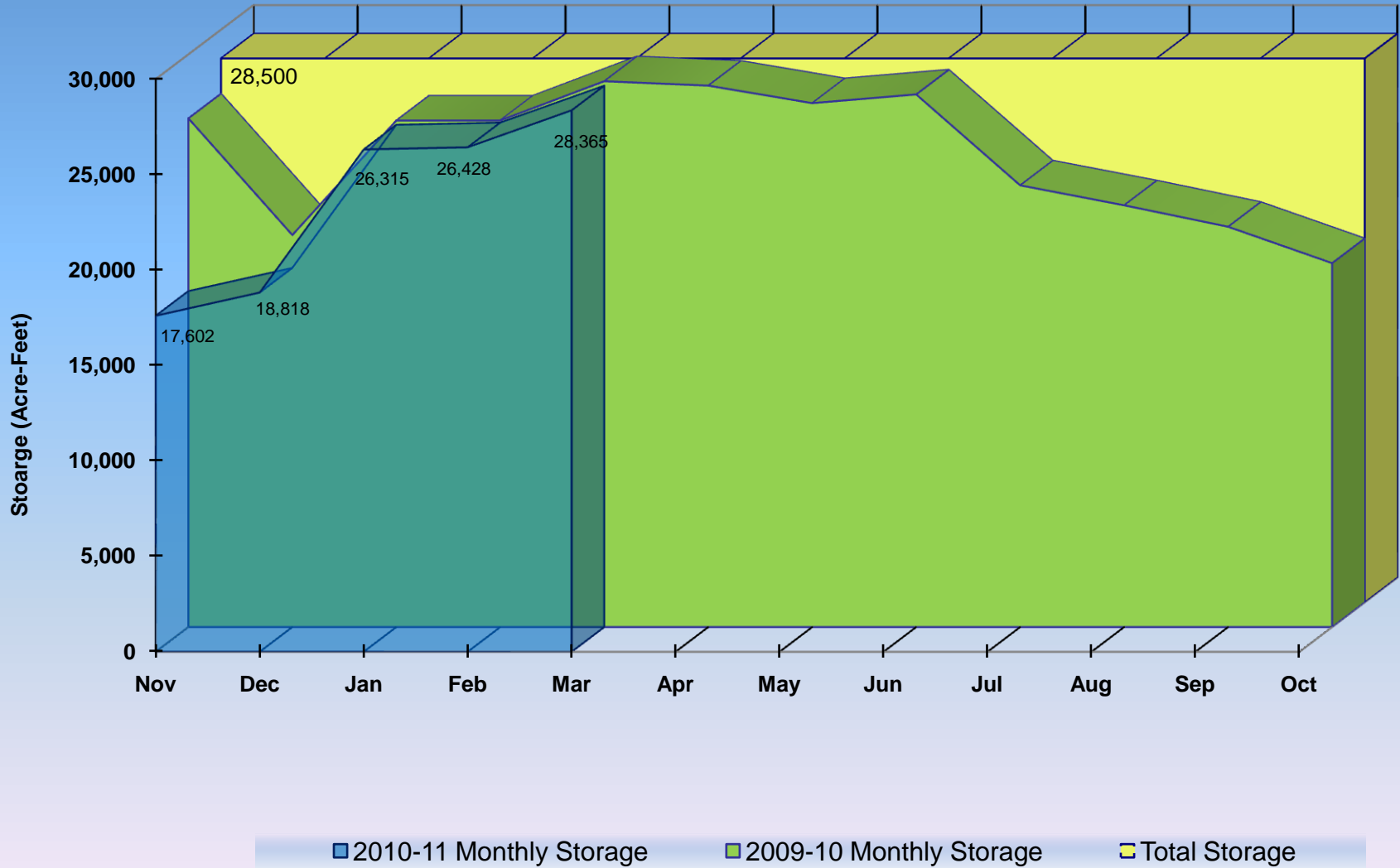


■ 2010-11 Monthly Storage    ■ 2009-10 Monthly Storage    ■ Total Storage

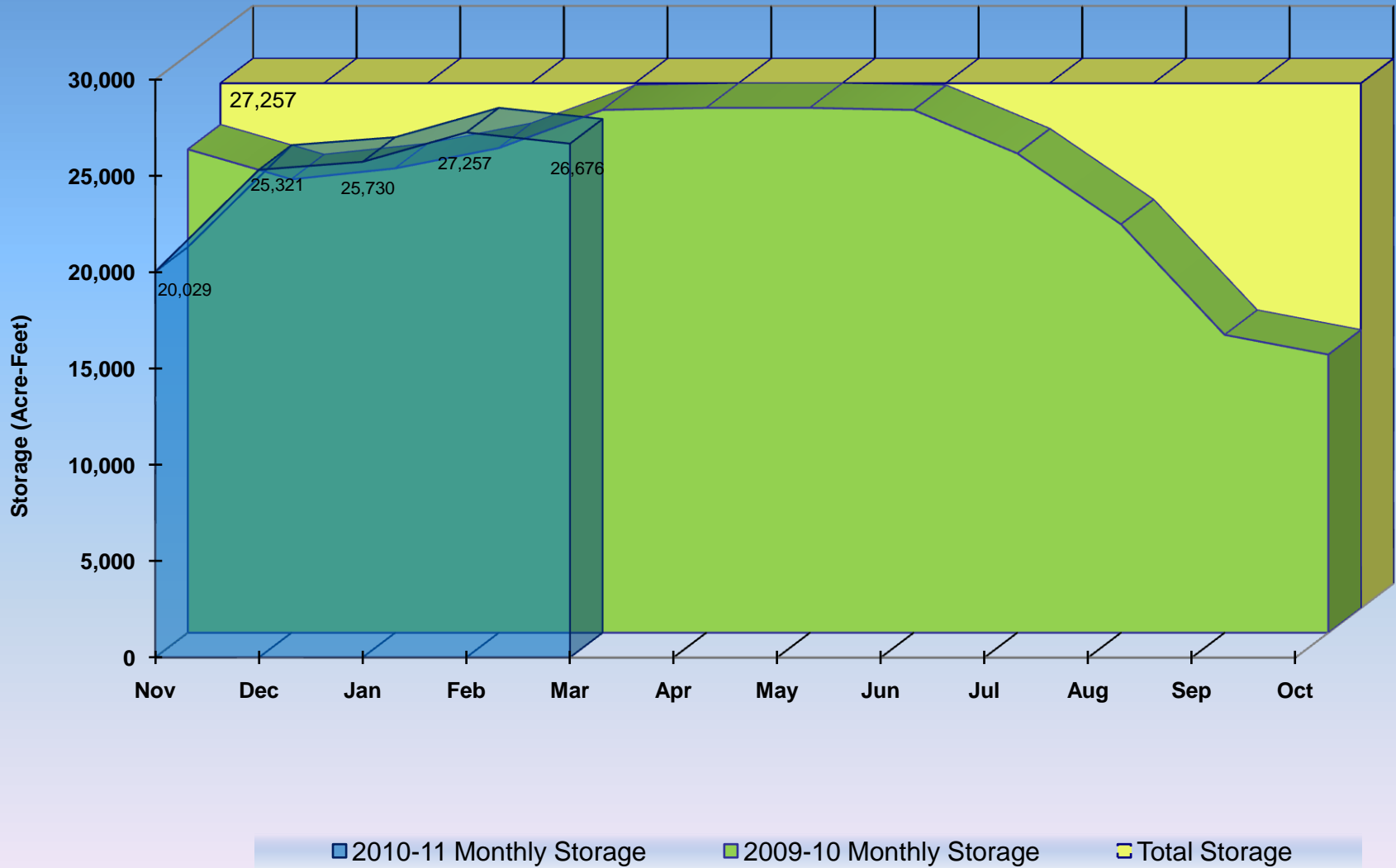
# Empire Reservoir (District 1- Agricultural)



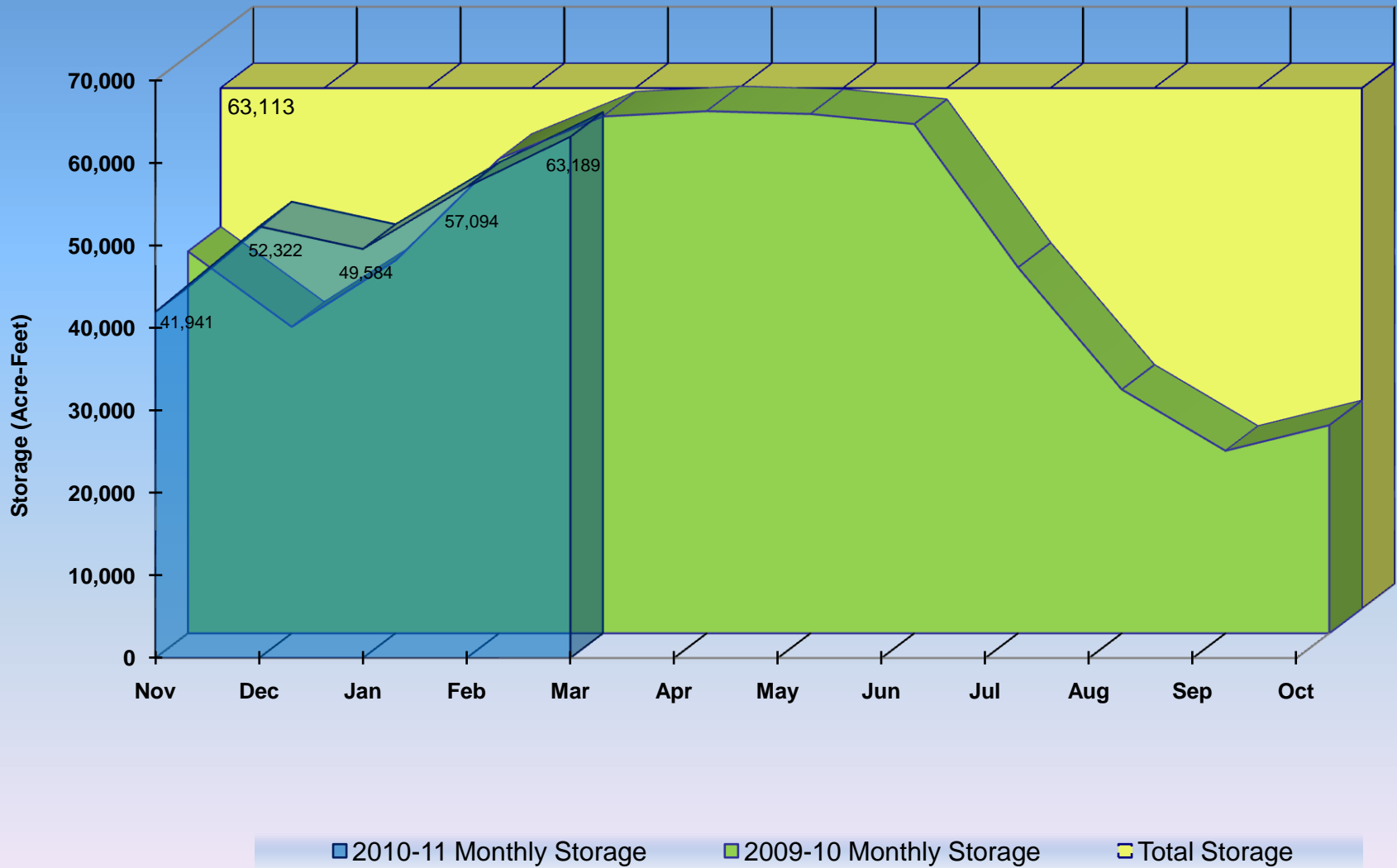
# Prewitt Reservoir (District 64- Agricultural)



# Jackson Reservoir (District 1- Agricultural)

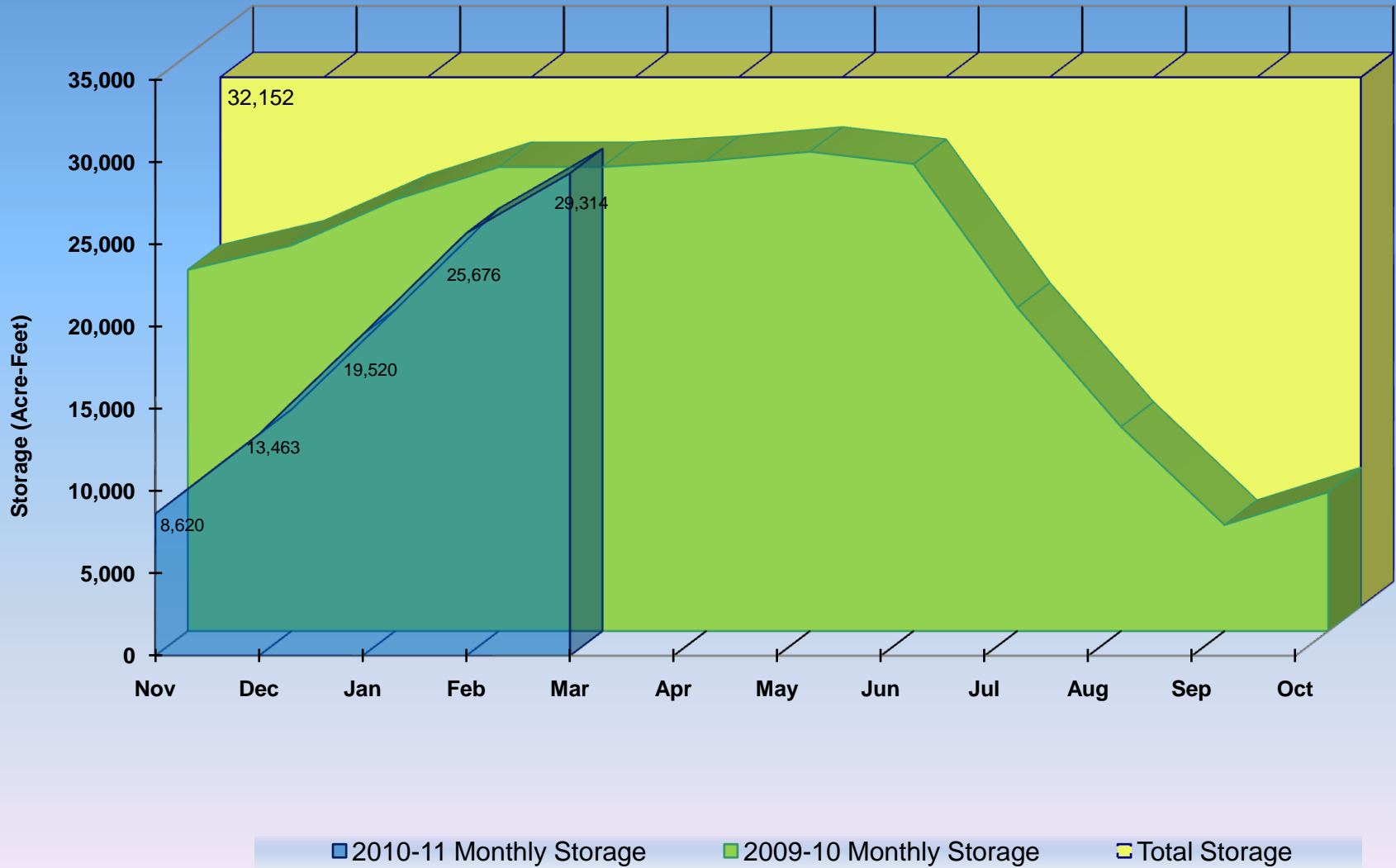


# Riverside Reservoir (District 1 - Agricultural)

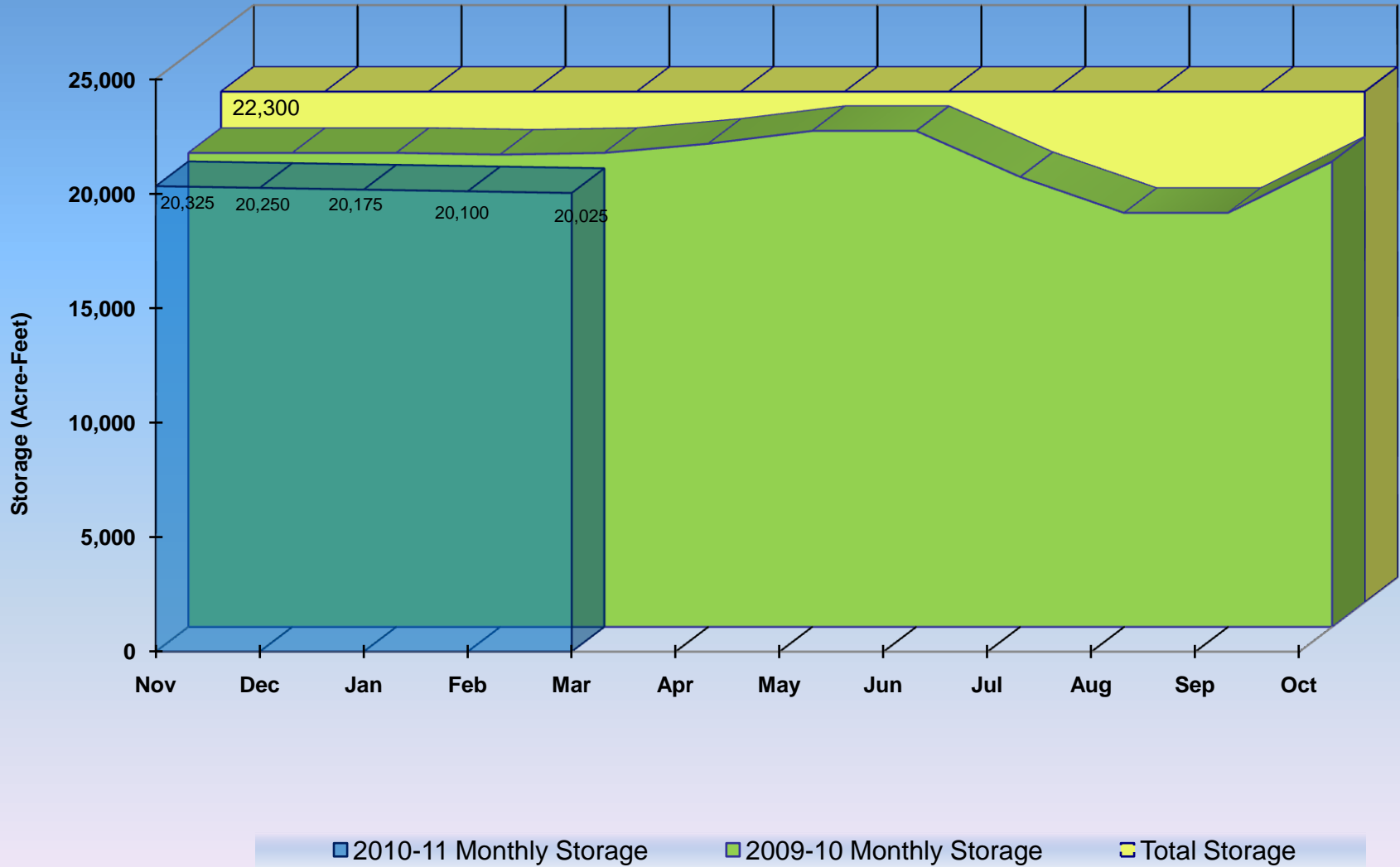


# Barr Lake

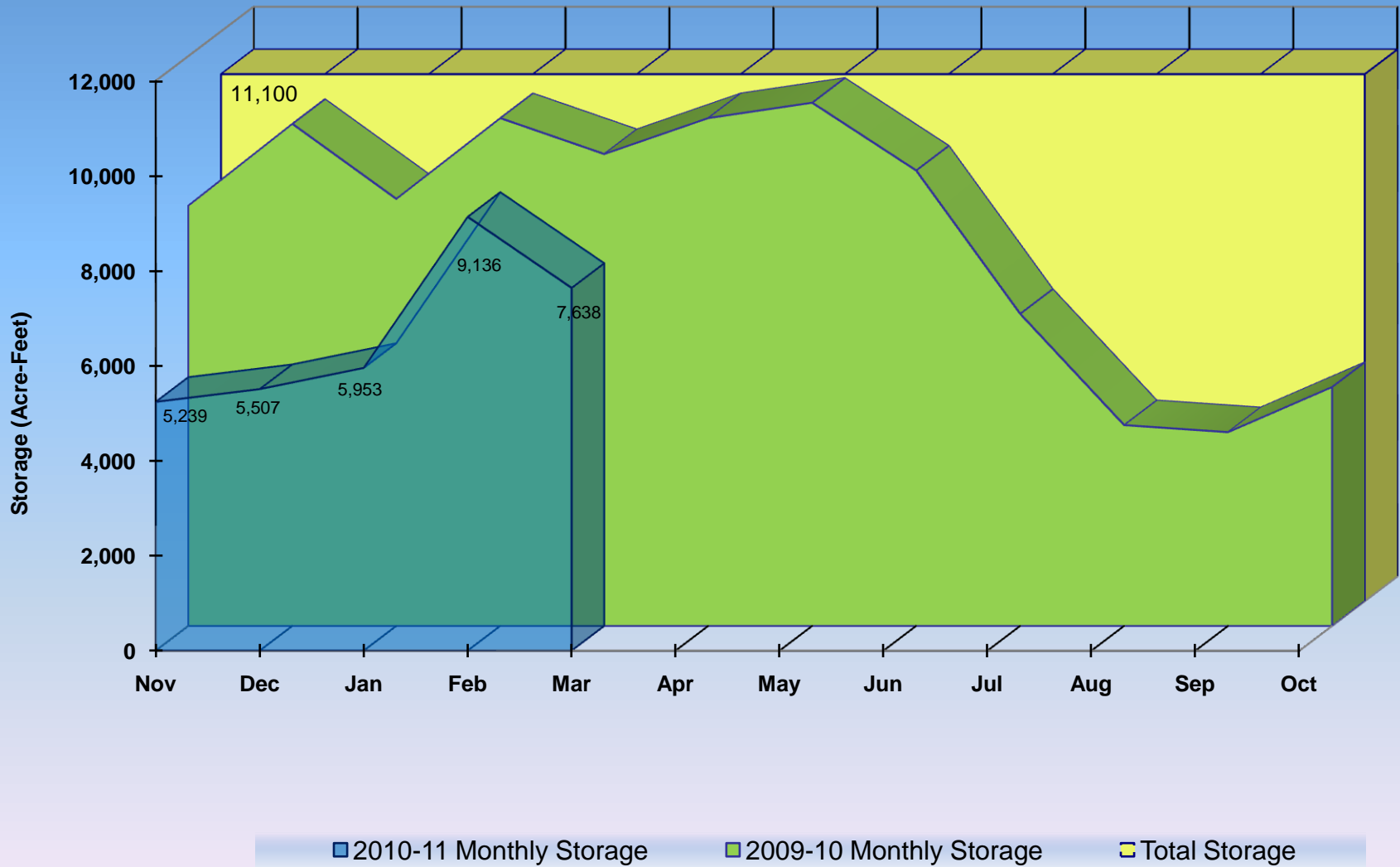
(District 2 - Agricultural)



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

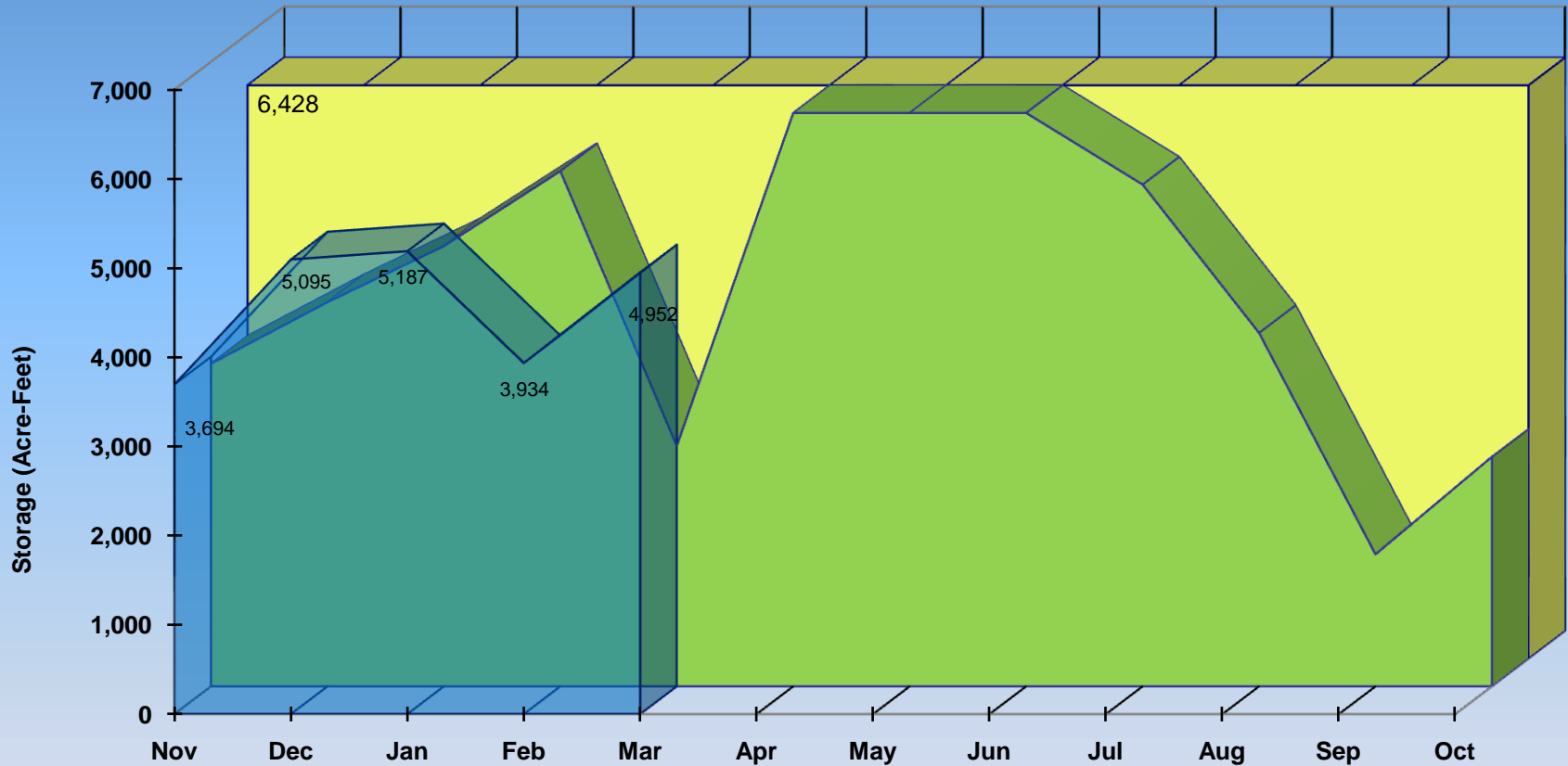


# Fossil Creek Reservoir (District 3, Poudre River - Agricultural)



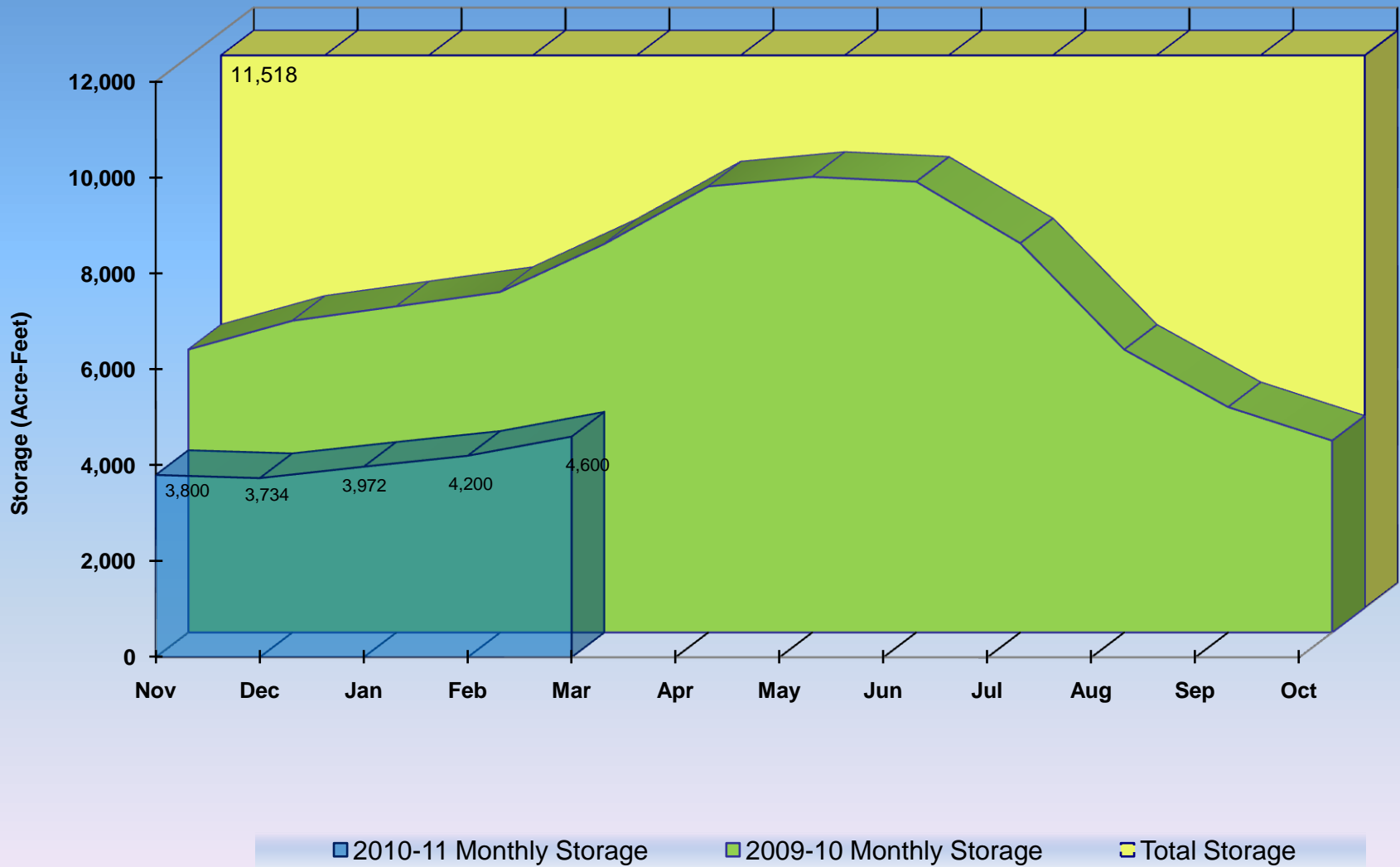


# Halligan Reservoir (District 3, Poudre River - Agricultural)

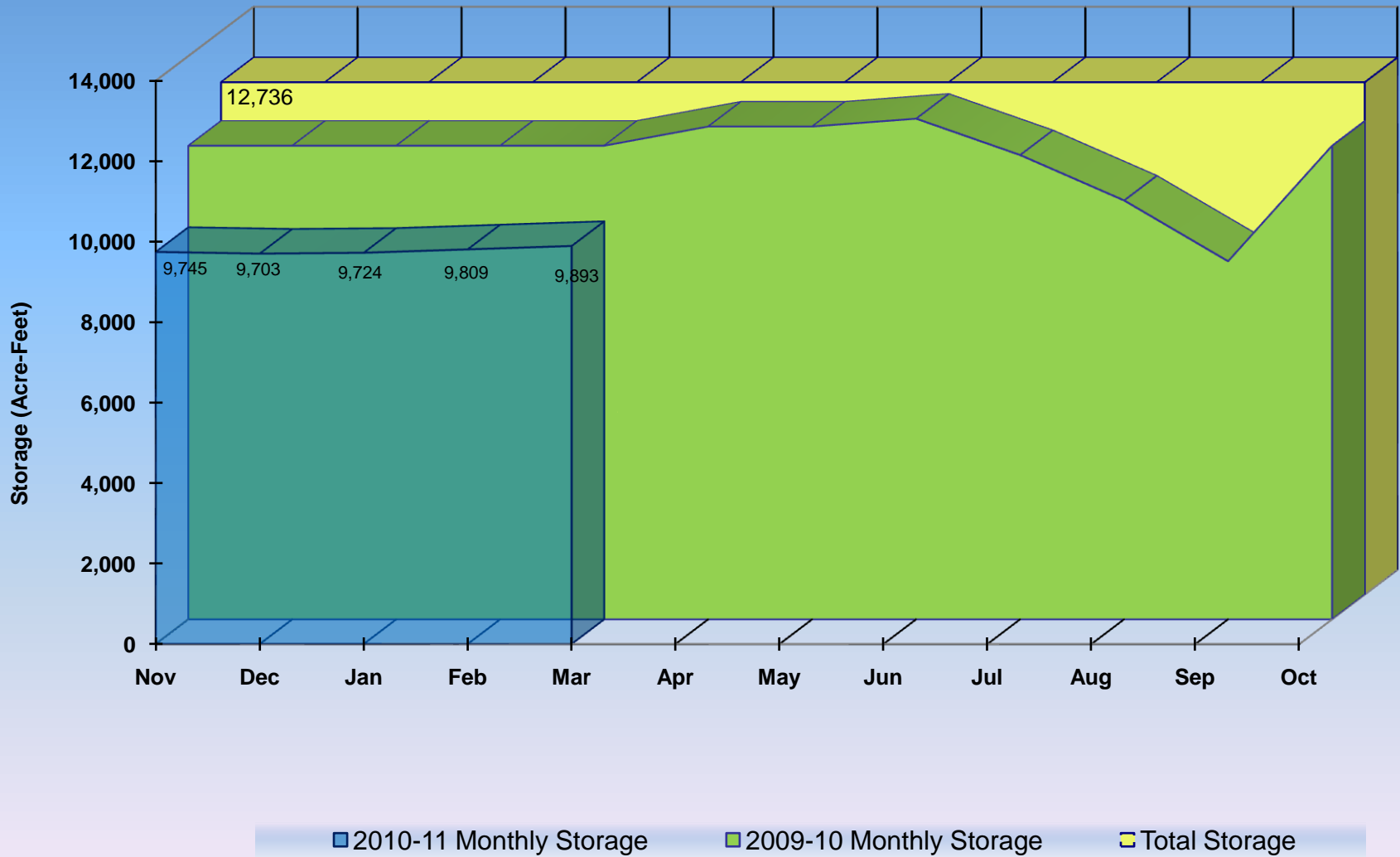


■ 2010-11 Monthly Storage    
 ■ 2009-10 Monthly Storage    
 ■ Total Storage

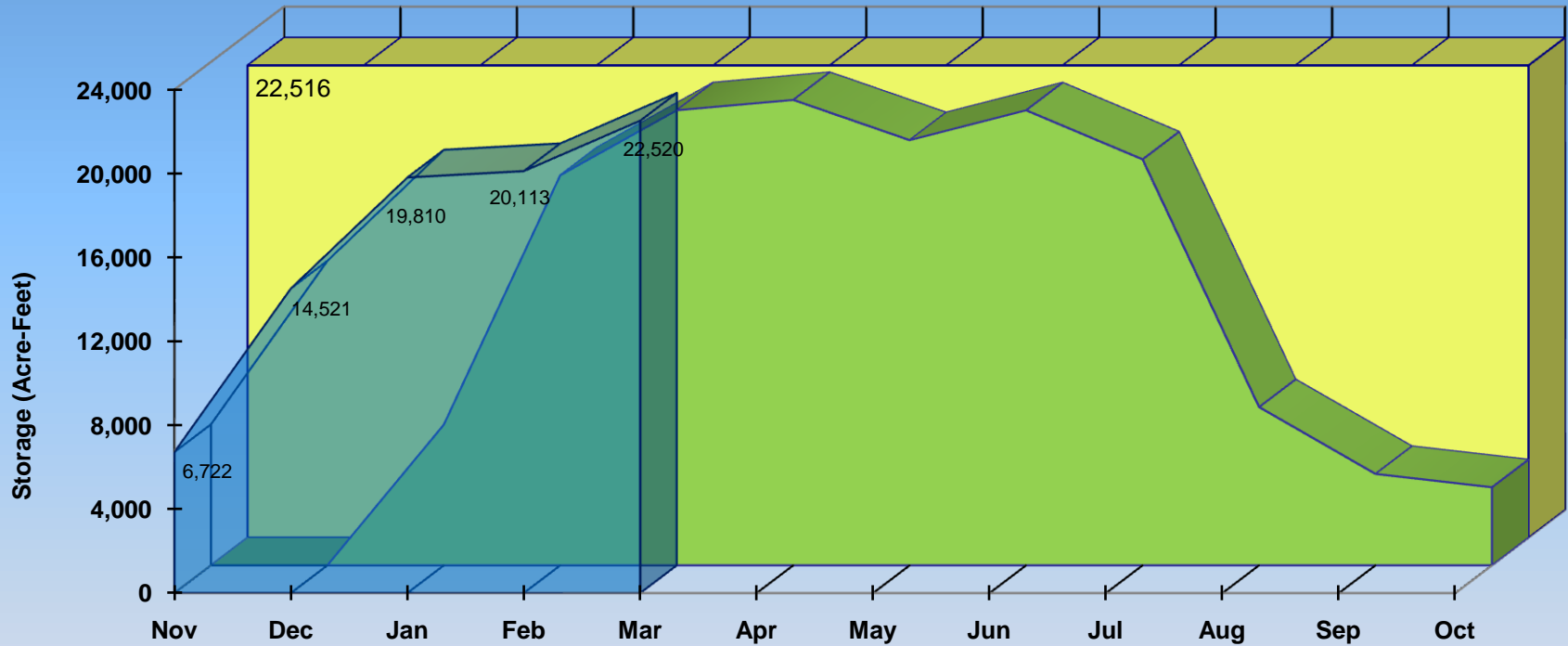
# Marshall Lake (District 6, Boulder Creek - Agricultural)



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



# Milton Reservoir (District 2 - Agricultural)

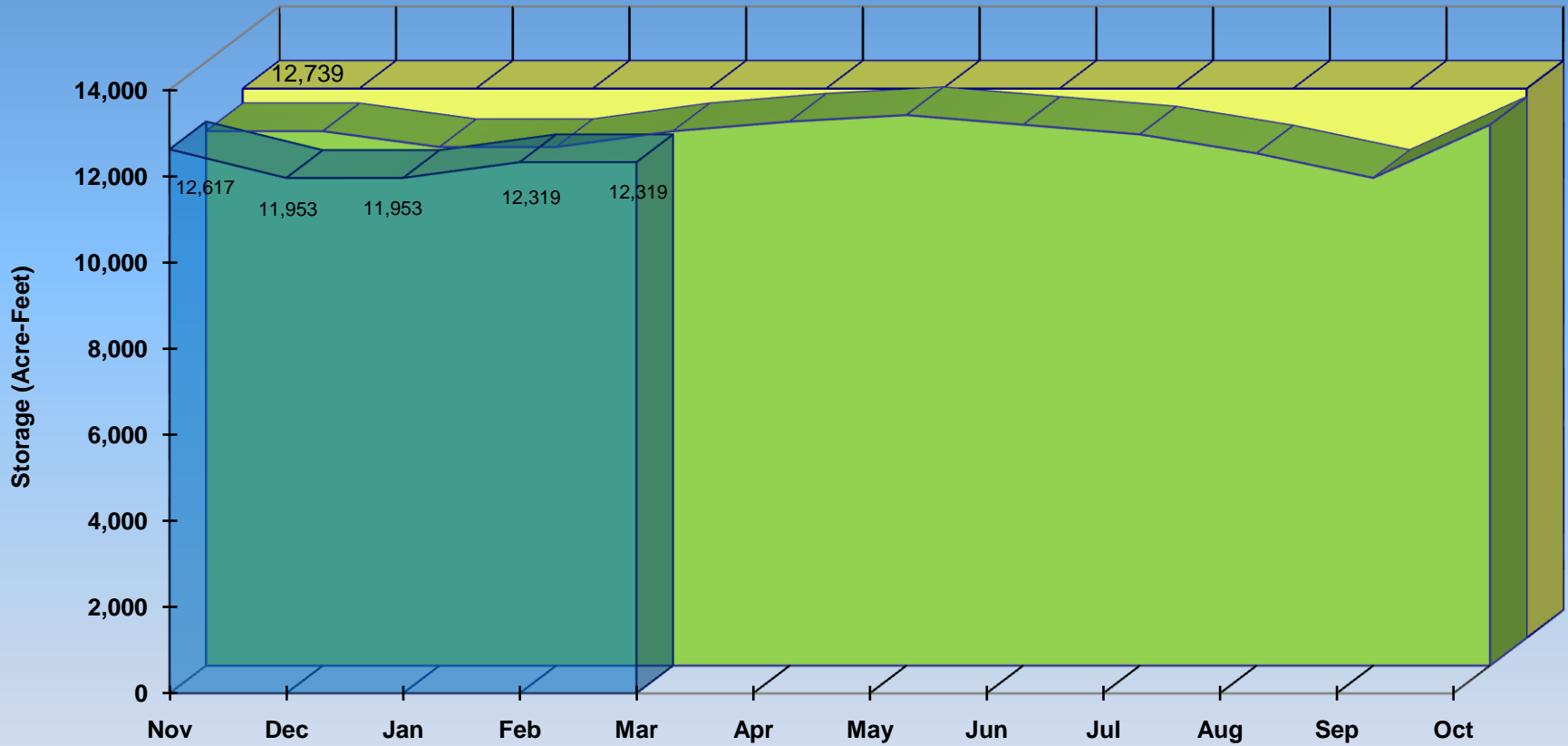


2010-11 Monthly Storage

2009-10 Monthly Storage

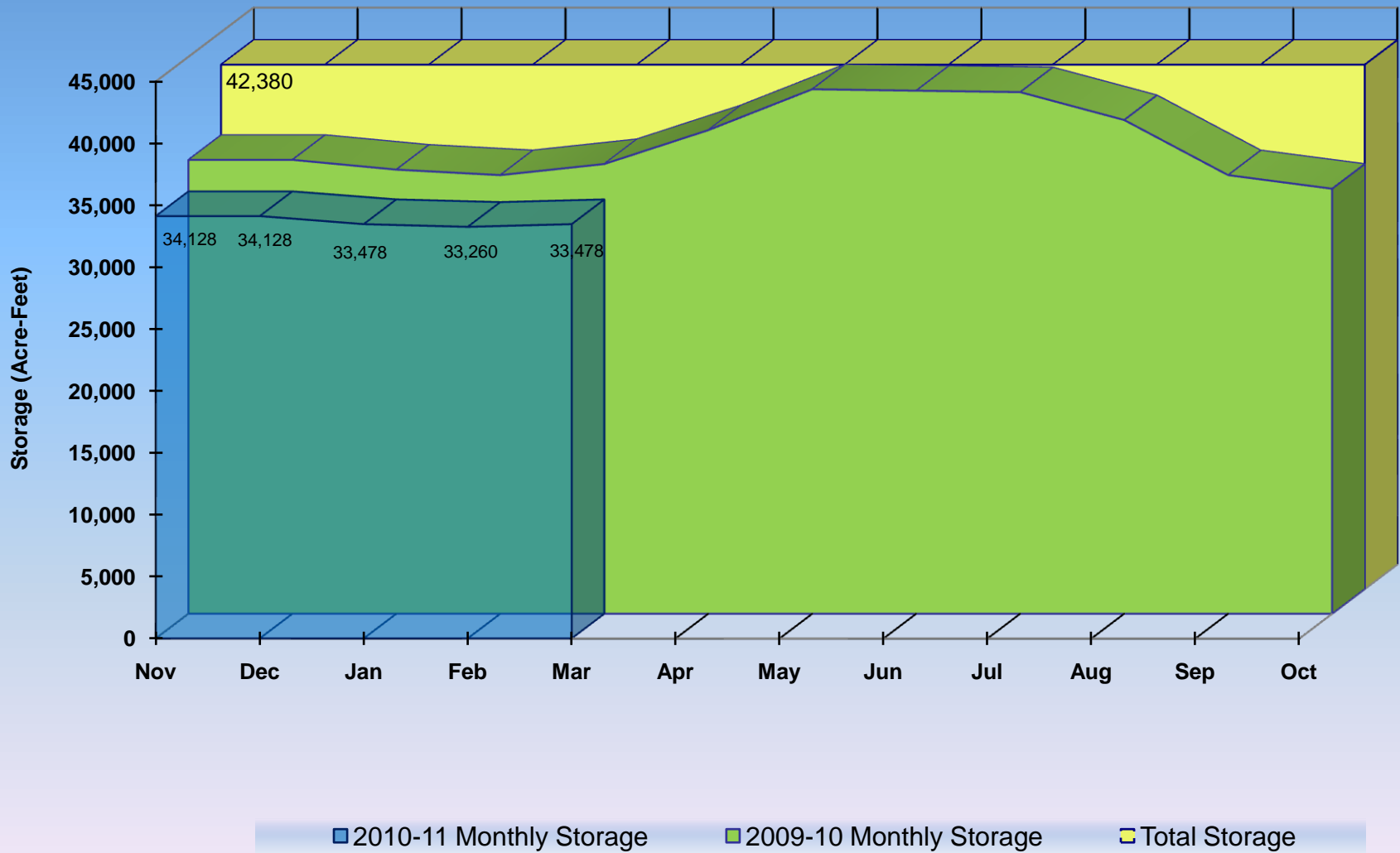
Total Storage

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

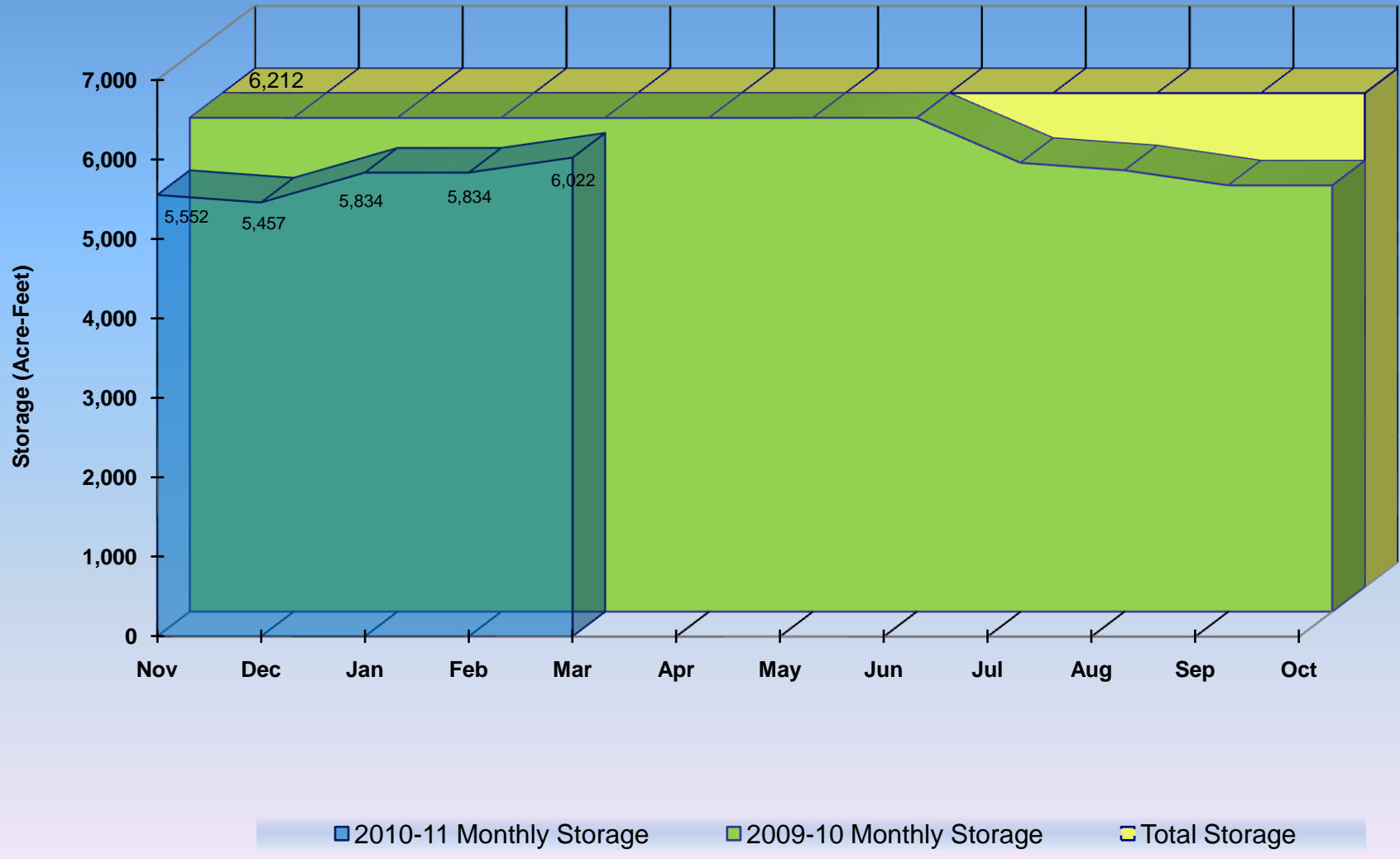


■ 2010-11 Monthly Storage     
 ■ 2009-10 Monthly Storage     
 ■ Total Storage

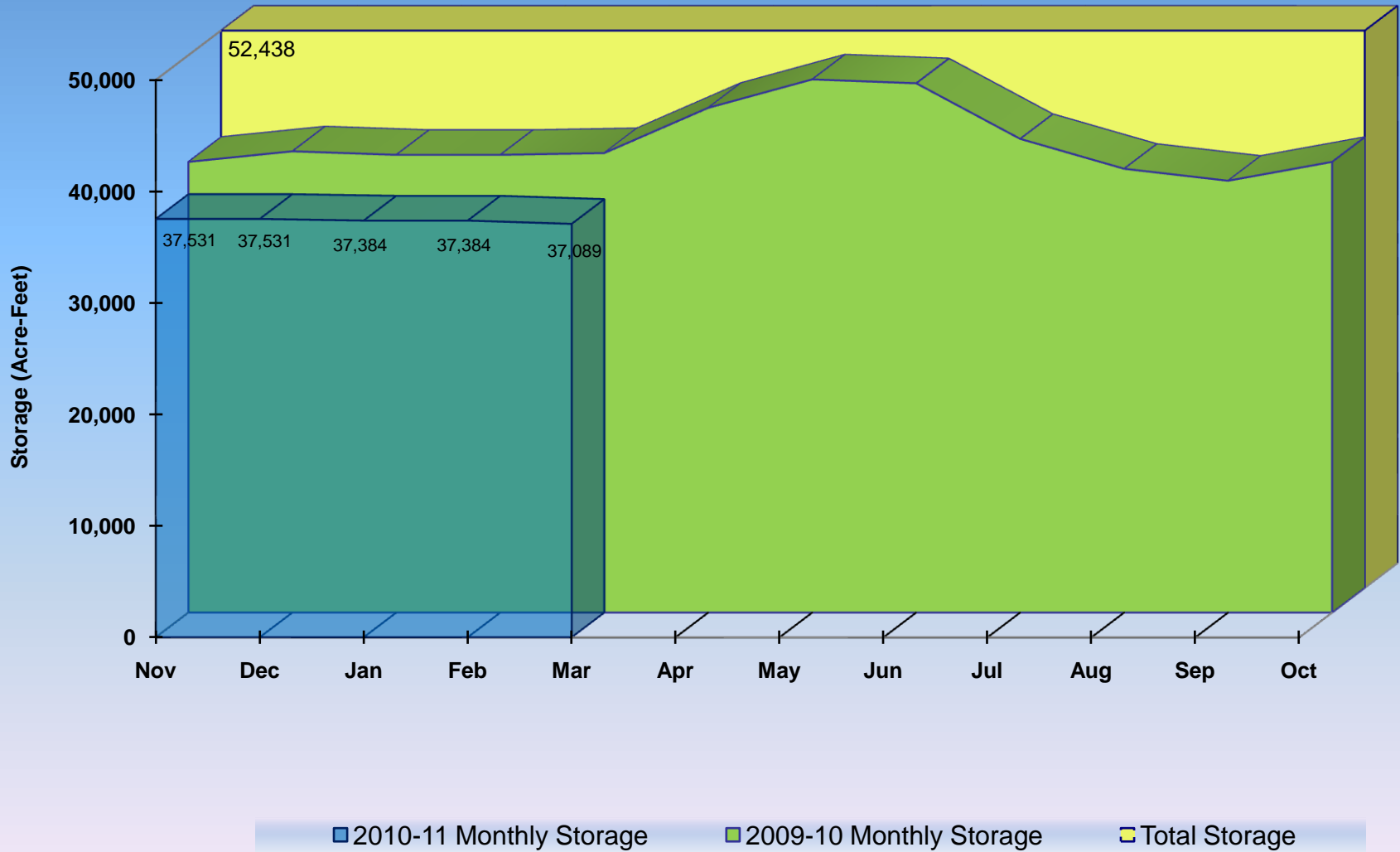
# Standley Lake (Agricultural)



# Lower Latham Reservoir (District 2 - Agricultural)

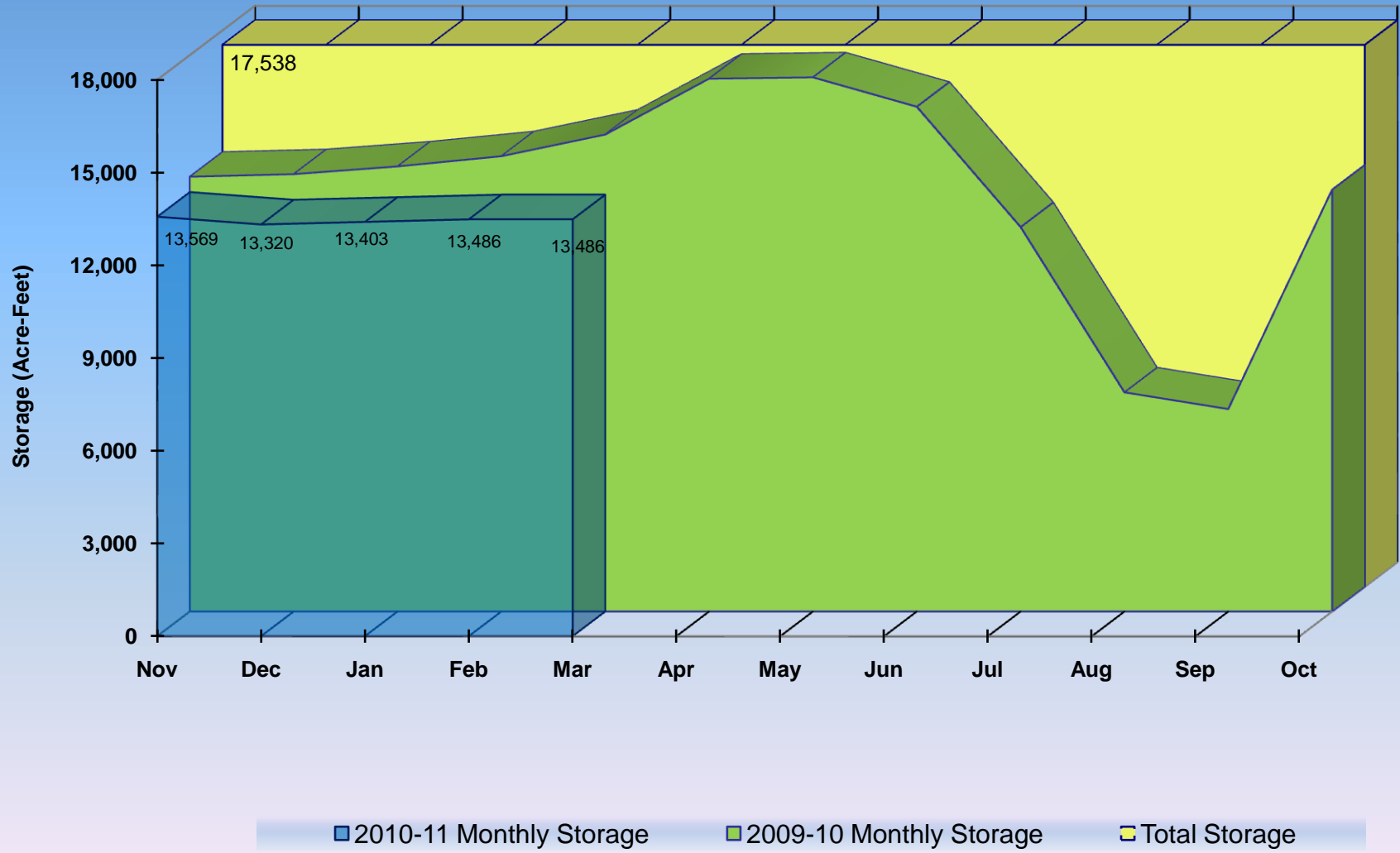


# Boyd Lake (District 4, Big Thompson River - Agricultural)

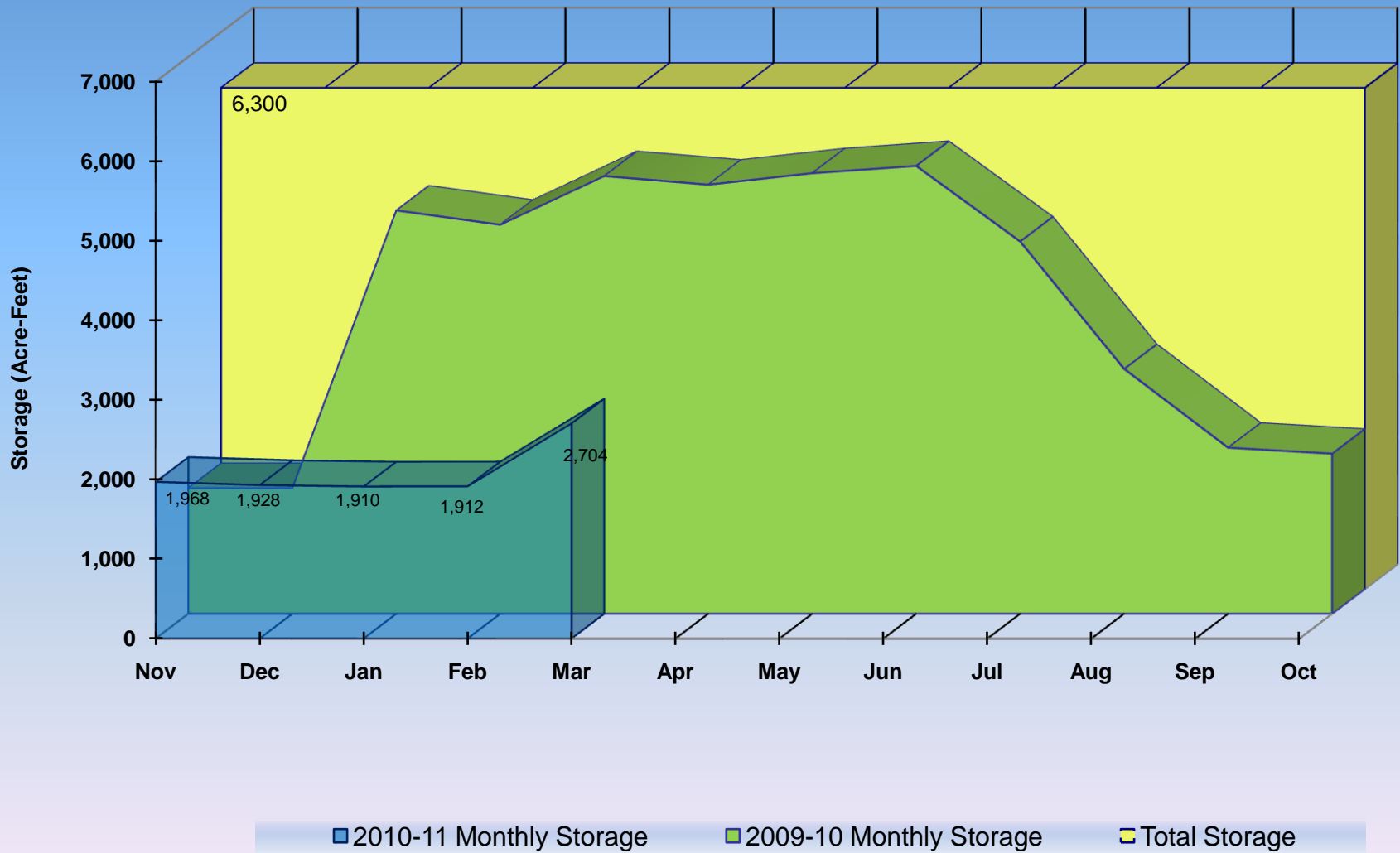




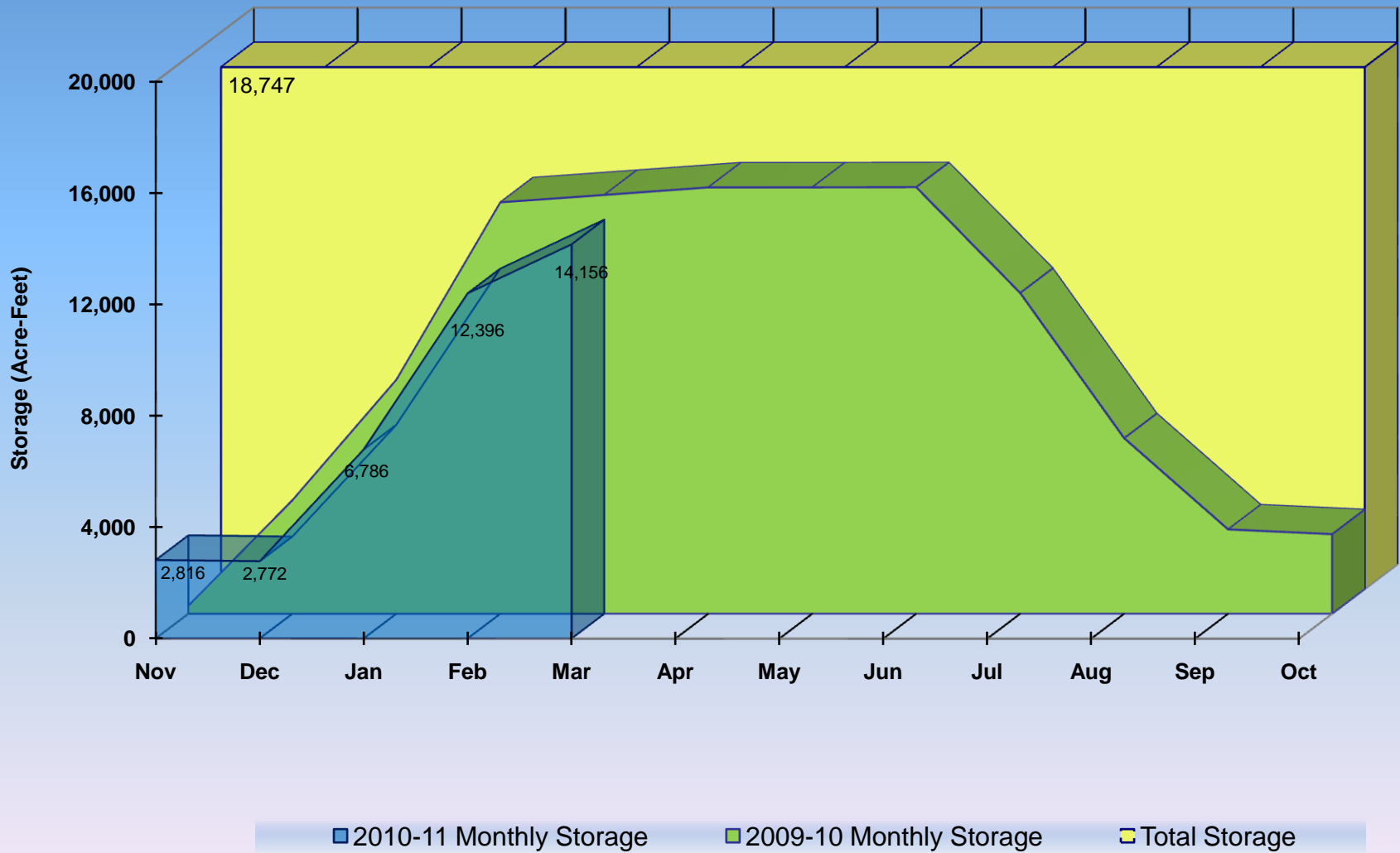
# Windsor Reservoir (District 3, Poudre River - Agricultural)



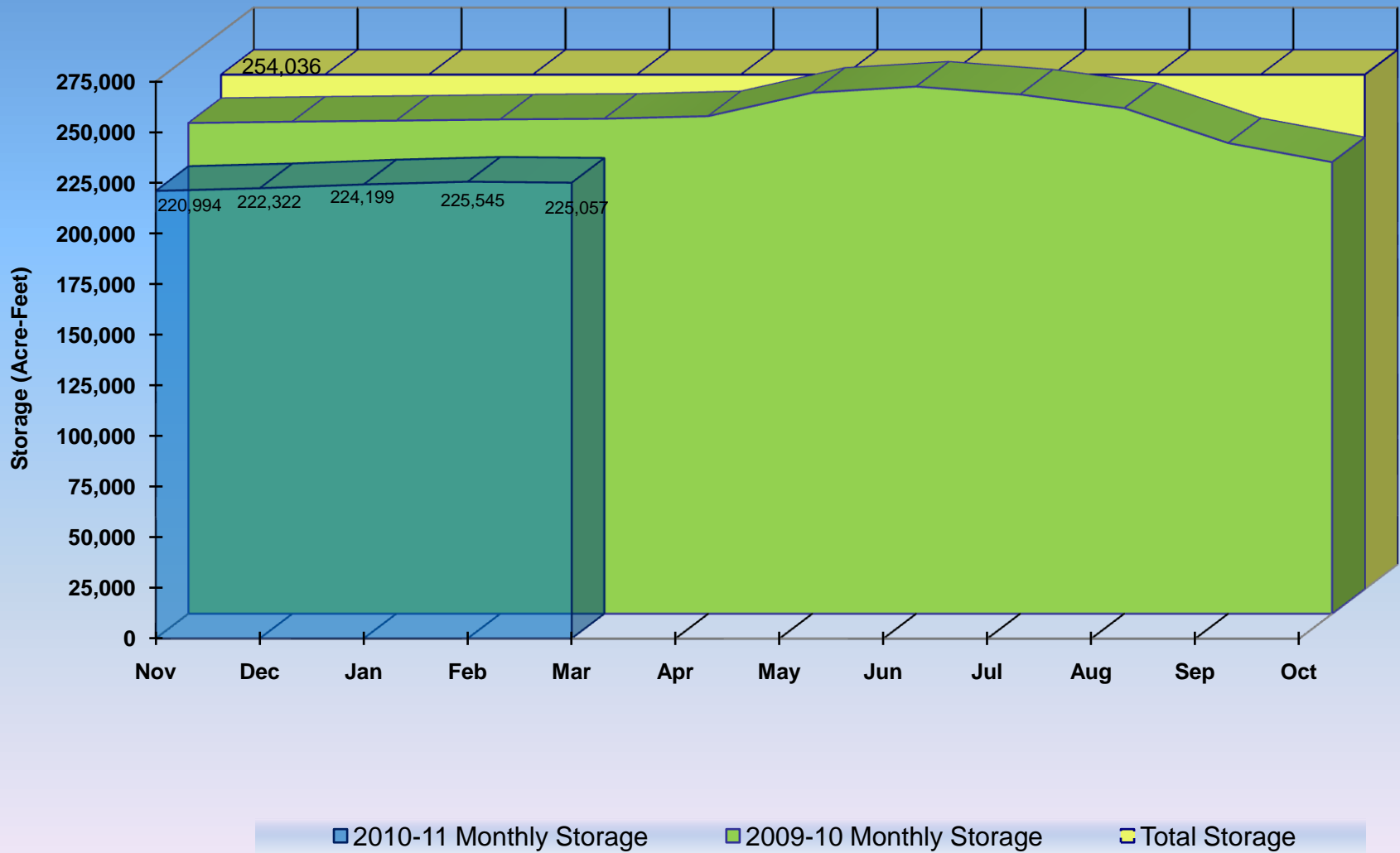
# Prospect Reservoir (District 1- Agricultural)



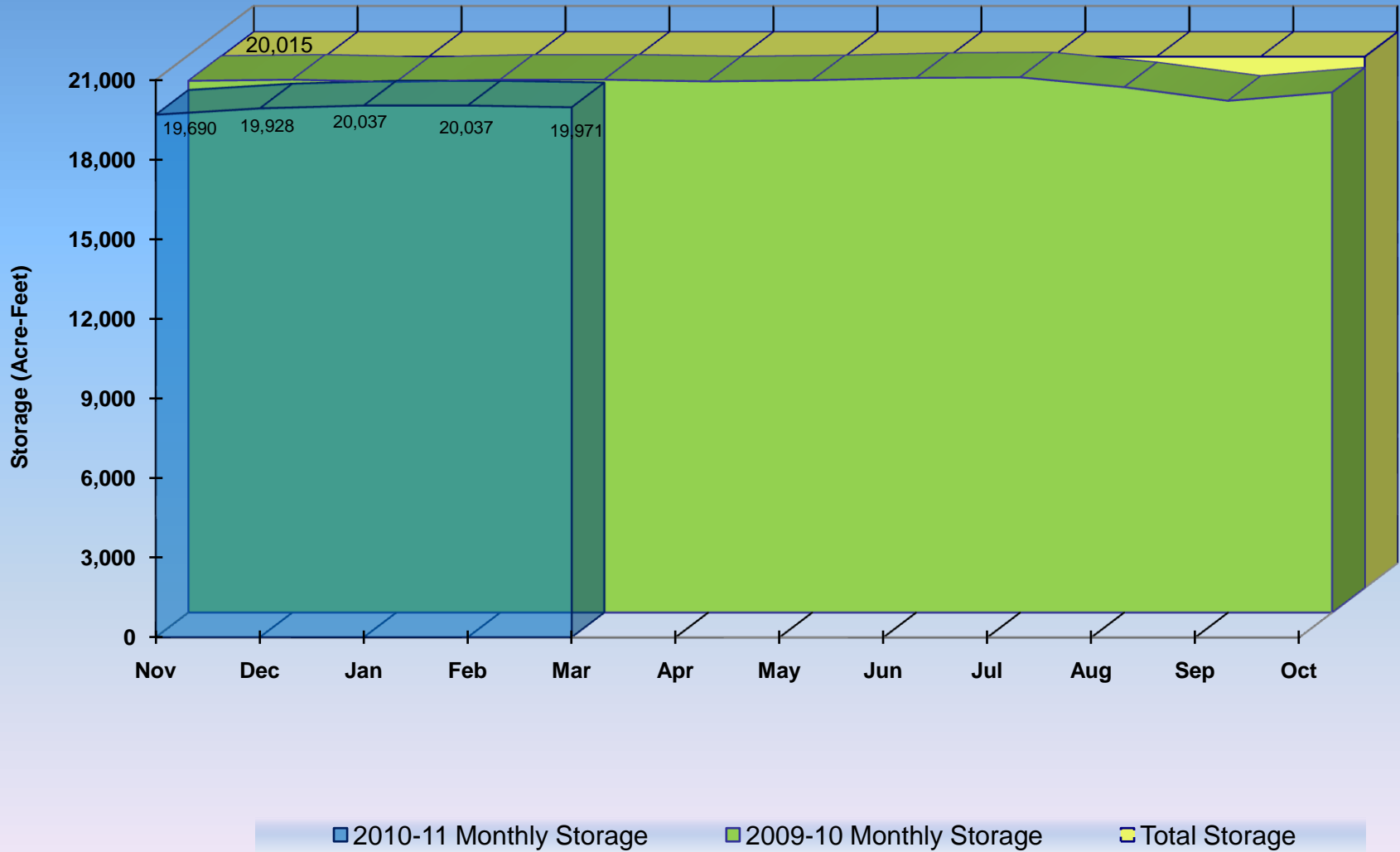
# Horse Creek Reservoir (District 1 - Agricultural)



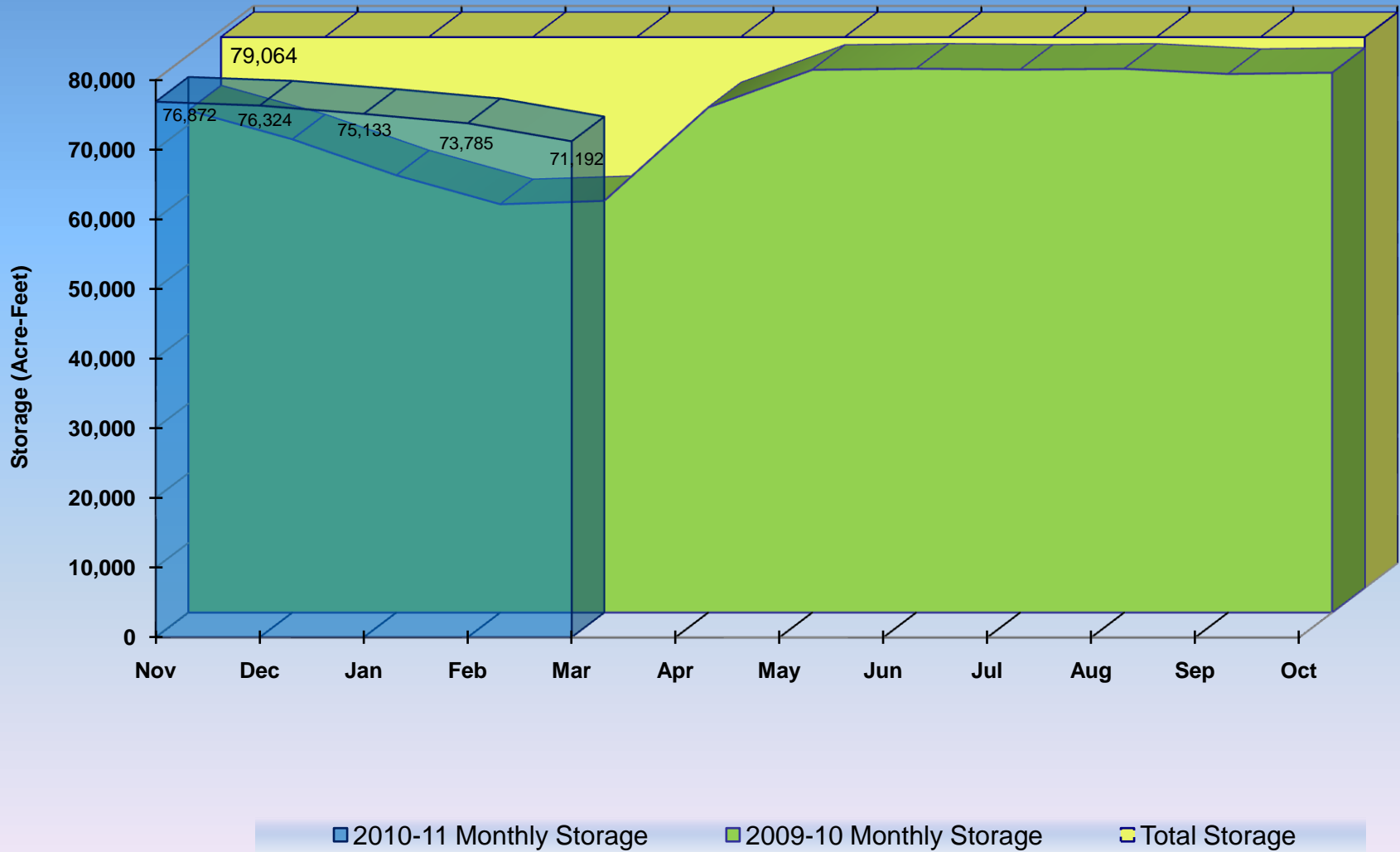
# Dillon Reservoir (Municipal)



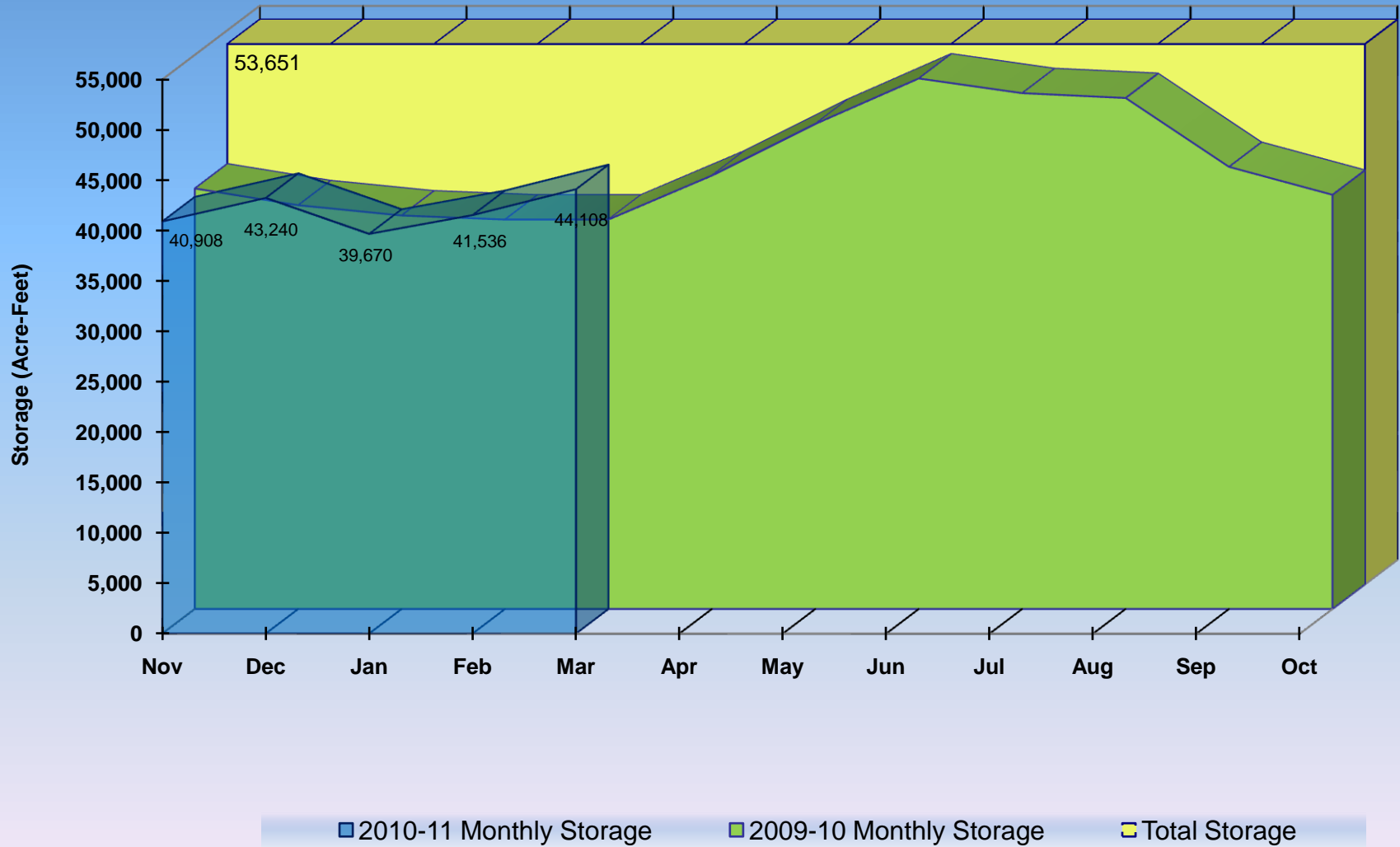
# Antero Reservoir (District 23 - Municipal)



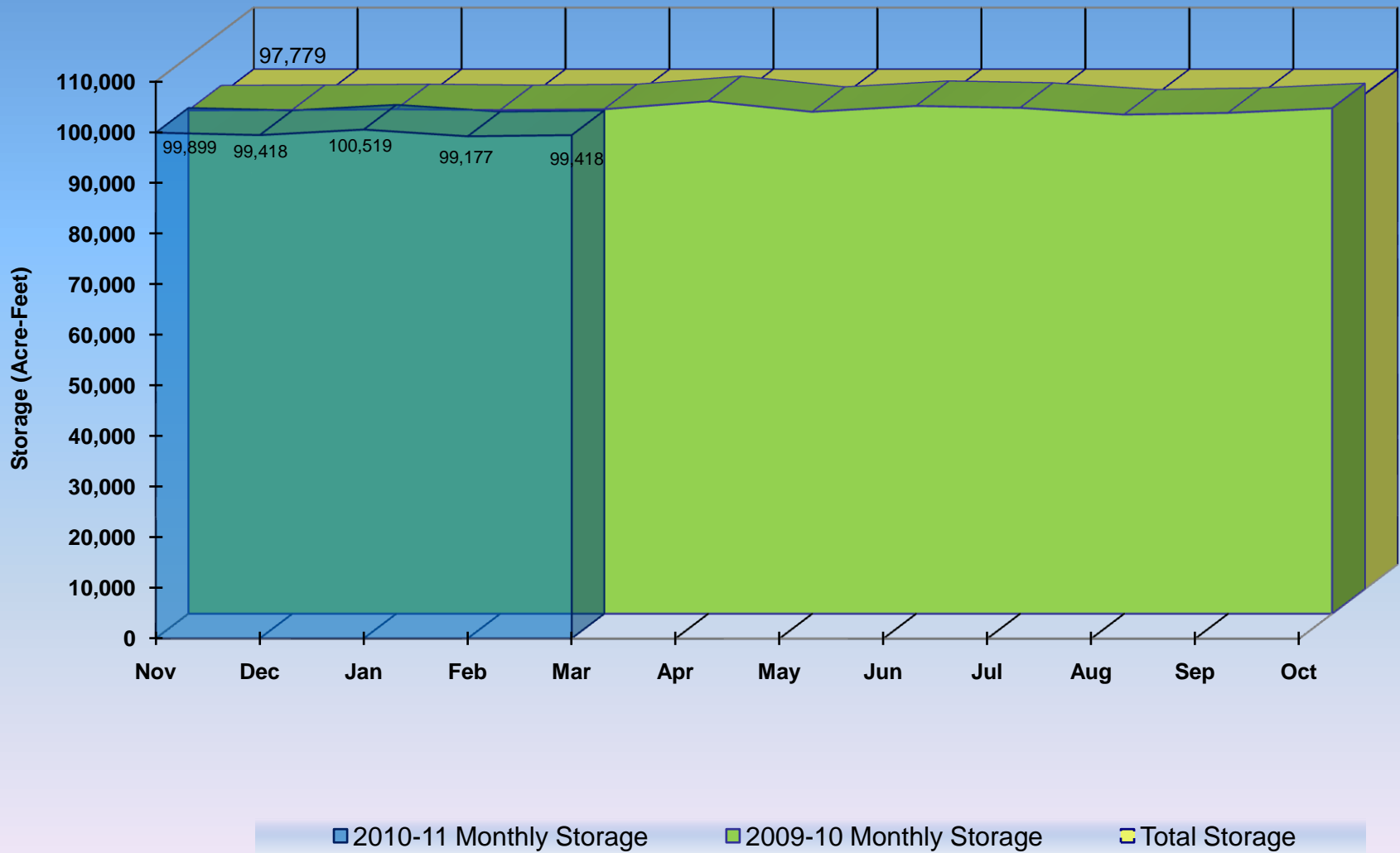
# Cheesman Reservoir (District 80 - Municipal)



# Spinney Mountain Reservoir (District 23 - Municipal)

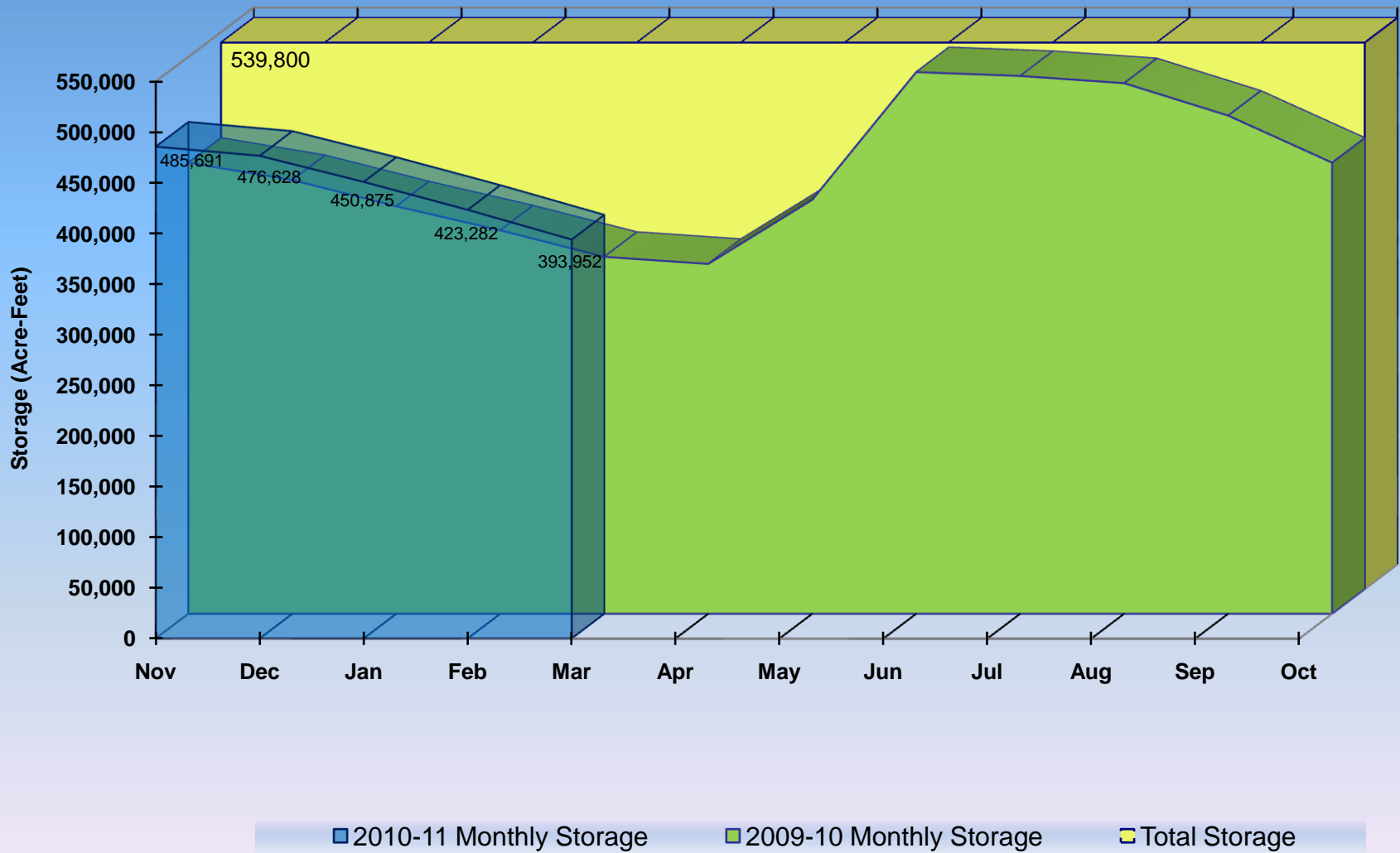


# Eleven Mile Reservoir (District 23 - Municipal)





# Lake Granby



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



Photo by Jason Smith