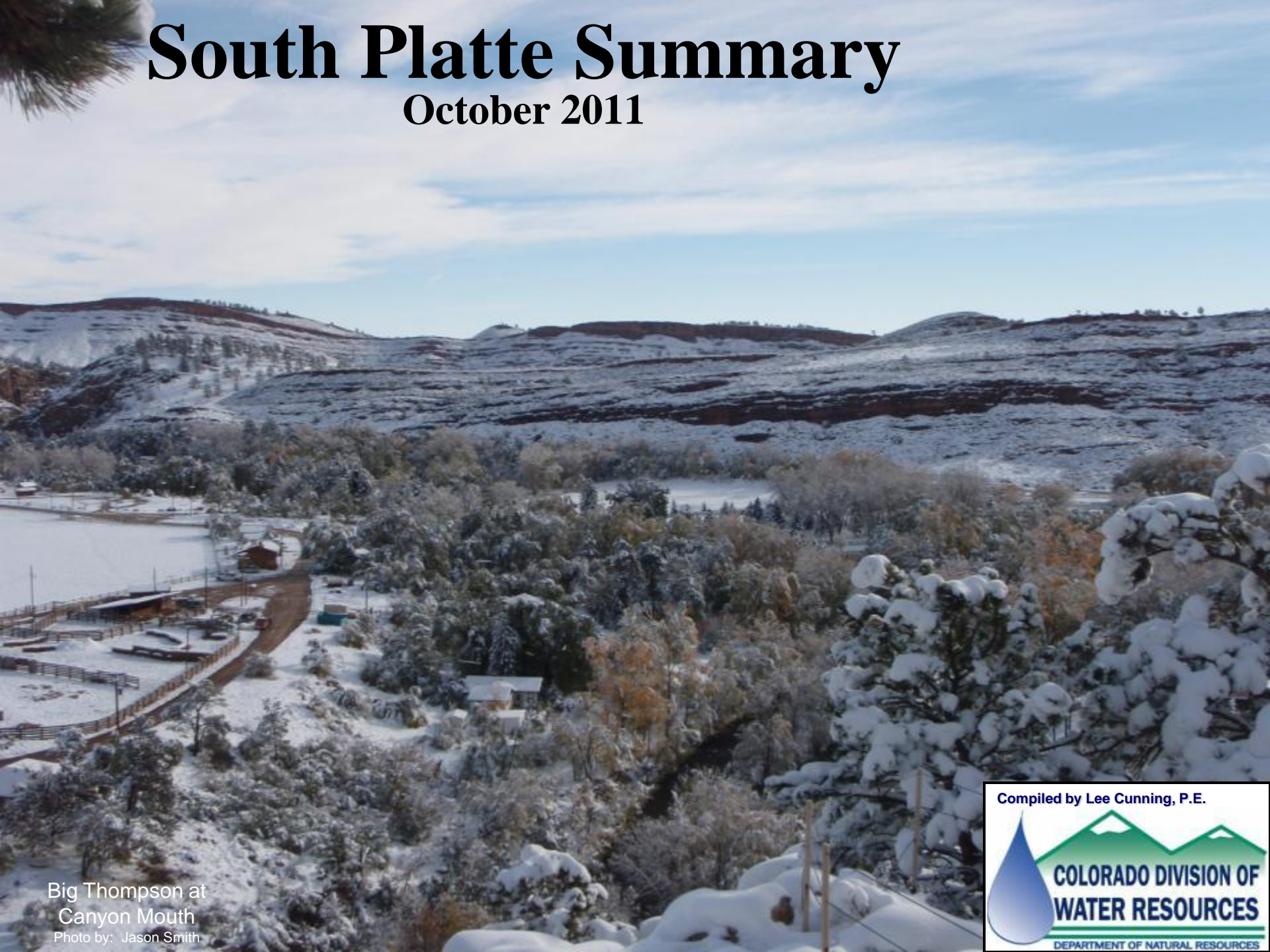



South Platte Summary

October 2011



Big Thompson at
Canyon Mouth
Photo by: Jason Smith

Compiled by Lee Cunning, P.E.



**COLORADO DIVISION OF
WATER RESOURCES**

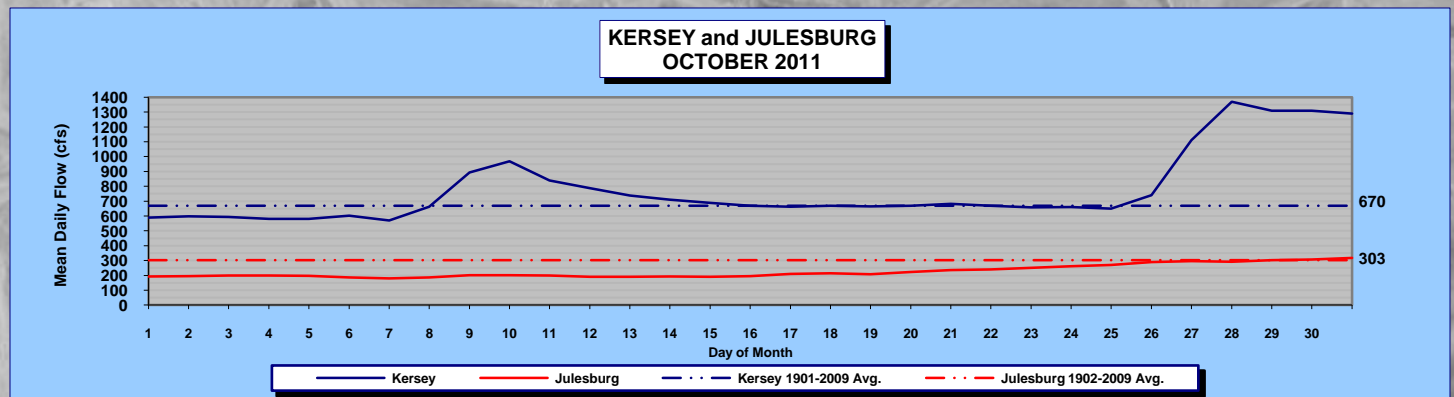
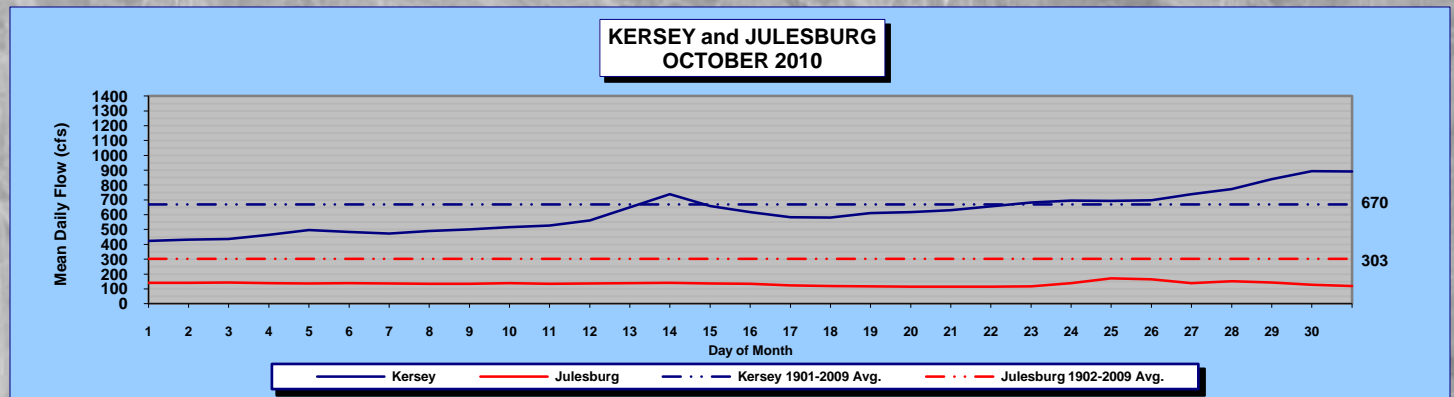
DEPARTMENT OF NATURAL RESOURCES

COLORADO DIVISION OF WATER RESOURCES, DIVISION 1

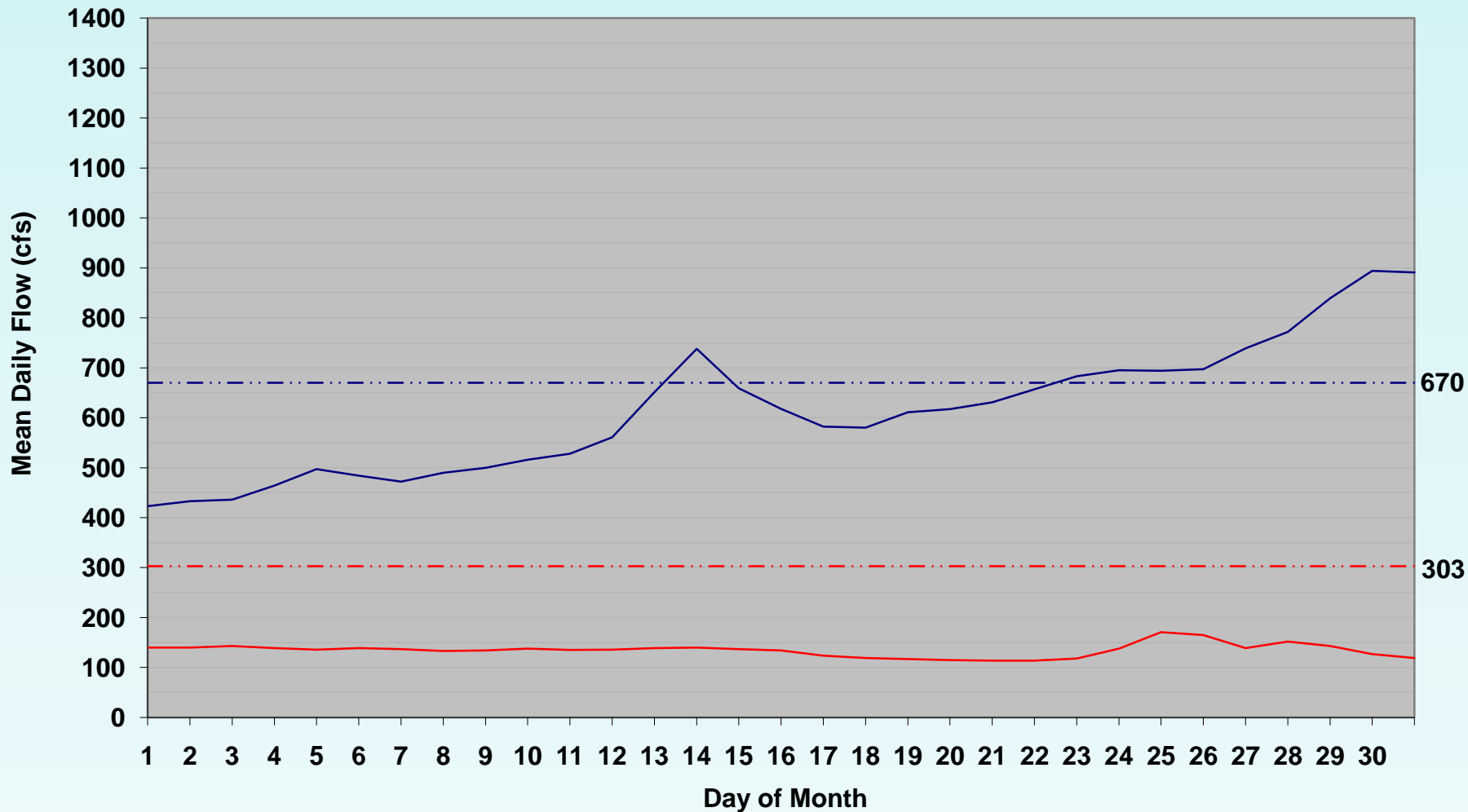
MONTH OF OCTOBER 2011

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	14,096	18,340	64	4,244	30%	81%	56%	0
N STERLING	73,730	30,740	41,756	64	11,016	36%	57%	30%	0
PREWITT	28,500	19,104	16,962	64	-2,142	-11%	60%	67%	0
JACKSON	27,257	21,845	22,371	1	526	2%	82%	53%	0
EMPIRE	37,700	12,138	10,307	1	-1,831	-15%	27%	18%	0
RIVERSIDE	63,113	23,160	25,869	1	2,709	12%	41%	40%	0
BARR LAKE	32,152	14,067	17,288	2	3,221	23%	54%	27%	0
CHEESMAN	79,064	70,091	73,417	80	3,326	5%	93%	98%	0
ELEVEN MILE	97,779	99,040	99,315	23	275	0%	100%	100%	1,536
SPINNEY	53,651	48,612	46,552	23	-2,060	-4%	87%	77%	0
ANTERO	20,015	15,780	16,016	23	236	1%	80%	98%	0

RIVER GAGES	MEAN DAILY FLOW (CFS)
KERSEY	780
JULESBURG	227
THIS MONTH LAST YEAR	
KERSEY	615
JULESBURG	135
MEAN FOR PERIOD OF RECORD*	
KERSEY	670
JULESBURG	303
* 1901-2010	
1902-2010	

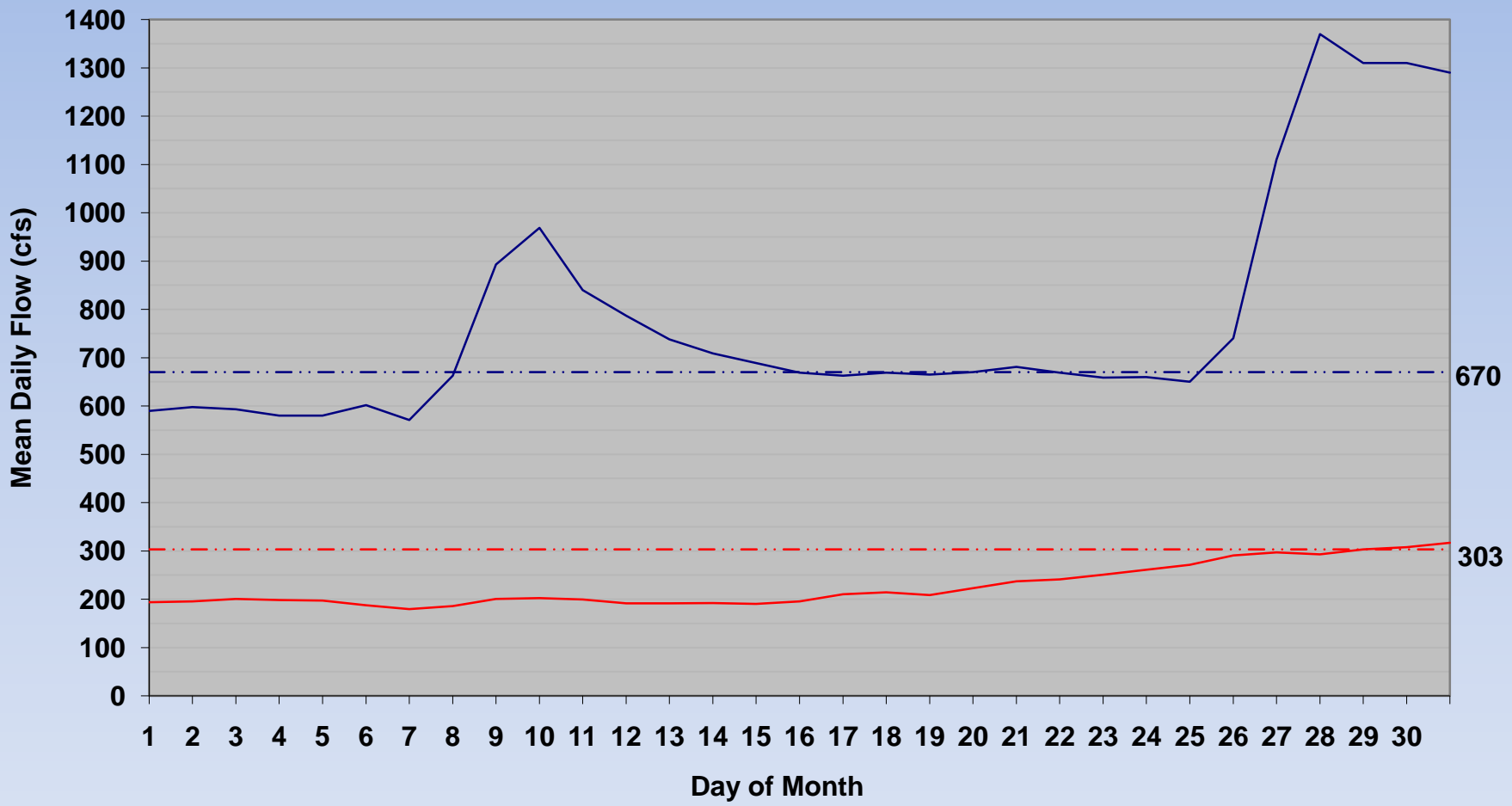


KERSEY and JULESBURG OCTOBER 2010



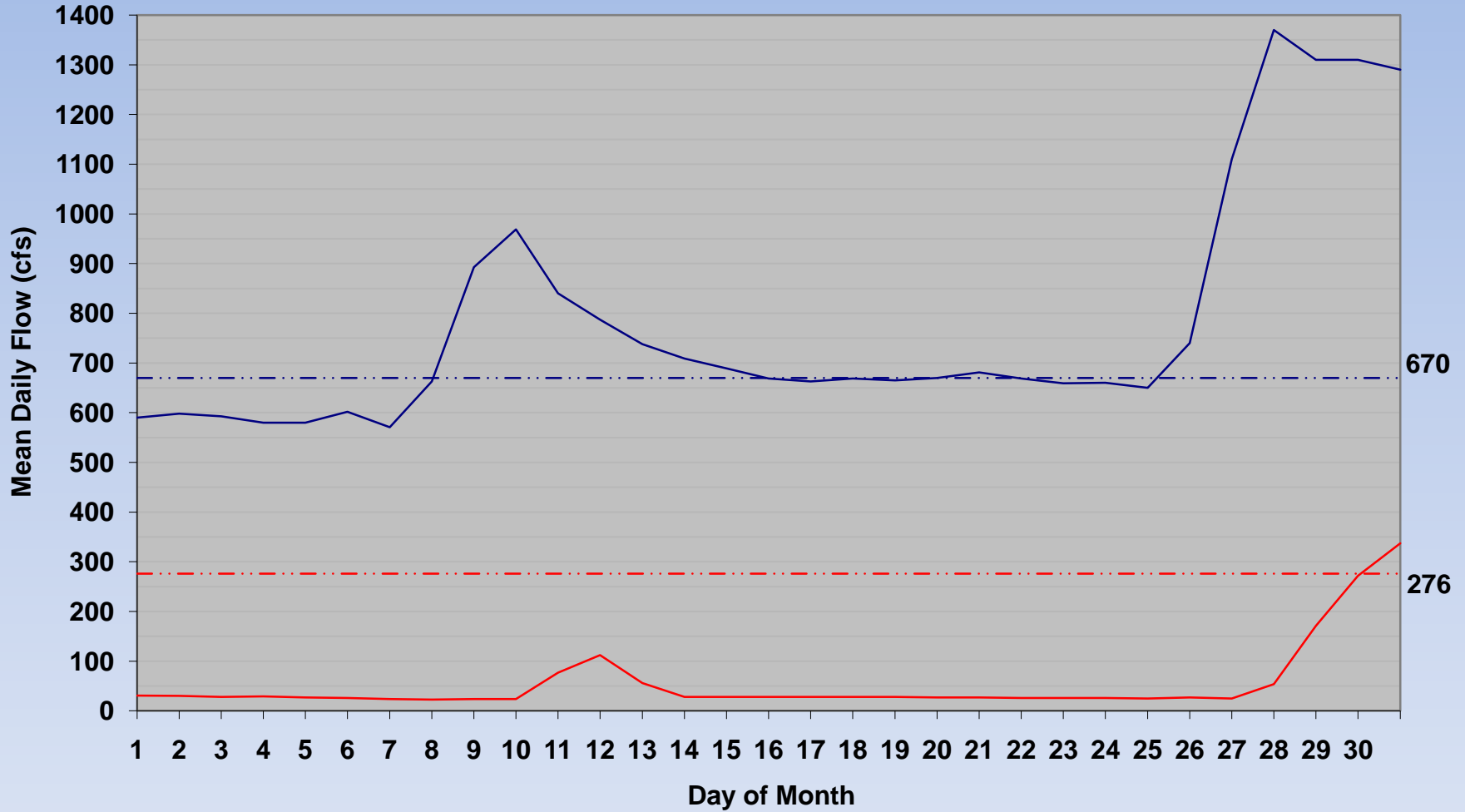
— Kersey — Julesburg - · - Kersey 1901-2009 Avg. - · - Julesburg 1902-2009 Avg.

KERSEY and JULESBURG OCTOBER 2011



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

KERSEY and BALZAC OCTOBER 2011



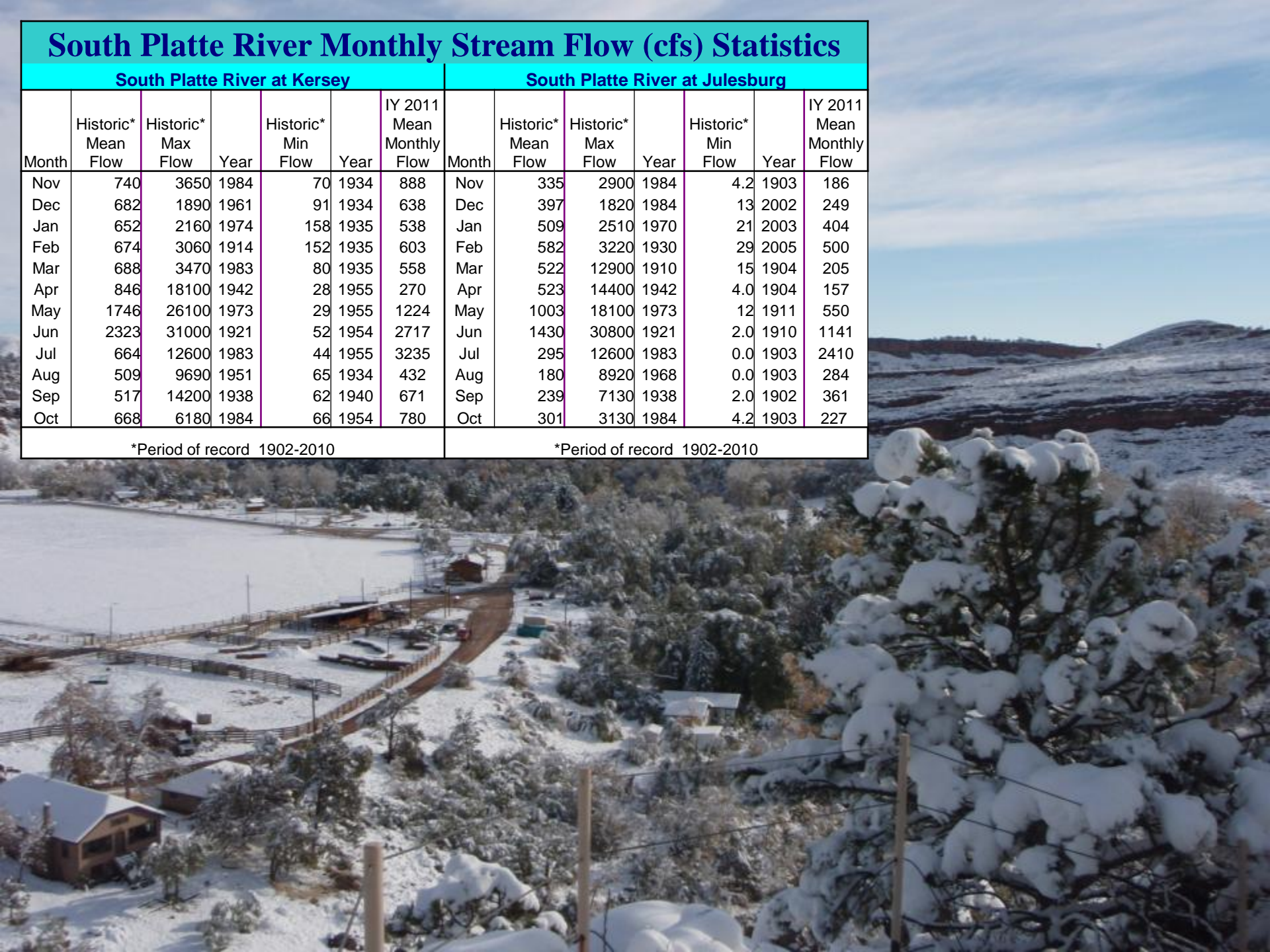
— Kersey — Balzac - · - · Kersey 1901-2009 Avg. - · - · Balzac 1917-2009 Avg.

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	270	Apr	523	14400	1942	4.0	1904	157
May	1746	26100	1973	29	1955	1224	May	1003	18100	1973	12	1911	550
Jun	2323	31000	1921	52	1954	2717	Jun	1430	30800	1921	2.0	1910	1141
Jul	664	12600	1983	44	1955	3235	Jul	295	12600	1983	0.0	1903	2410
Aug	509	9690	1951	65	1934	432	Aug	180	8920	1968	0.0	1903	284
Sep	517	14200	1938	62	1940	671	Sep	239	7130	1938	2.0	1902	361
Oct	668	6180	1984	66	1954	780	Oct	301	3130	1984	4.2	1903	227
*Period of record 1902-2010							*Period of record 1902-2010						



South Platte River at Kersey

Irrigation Year

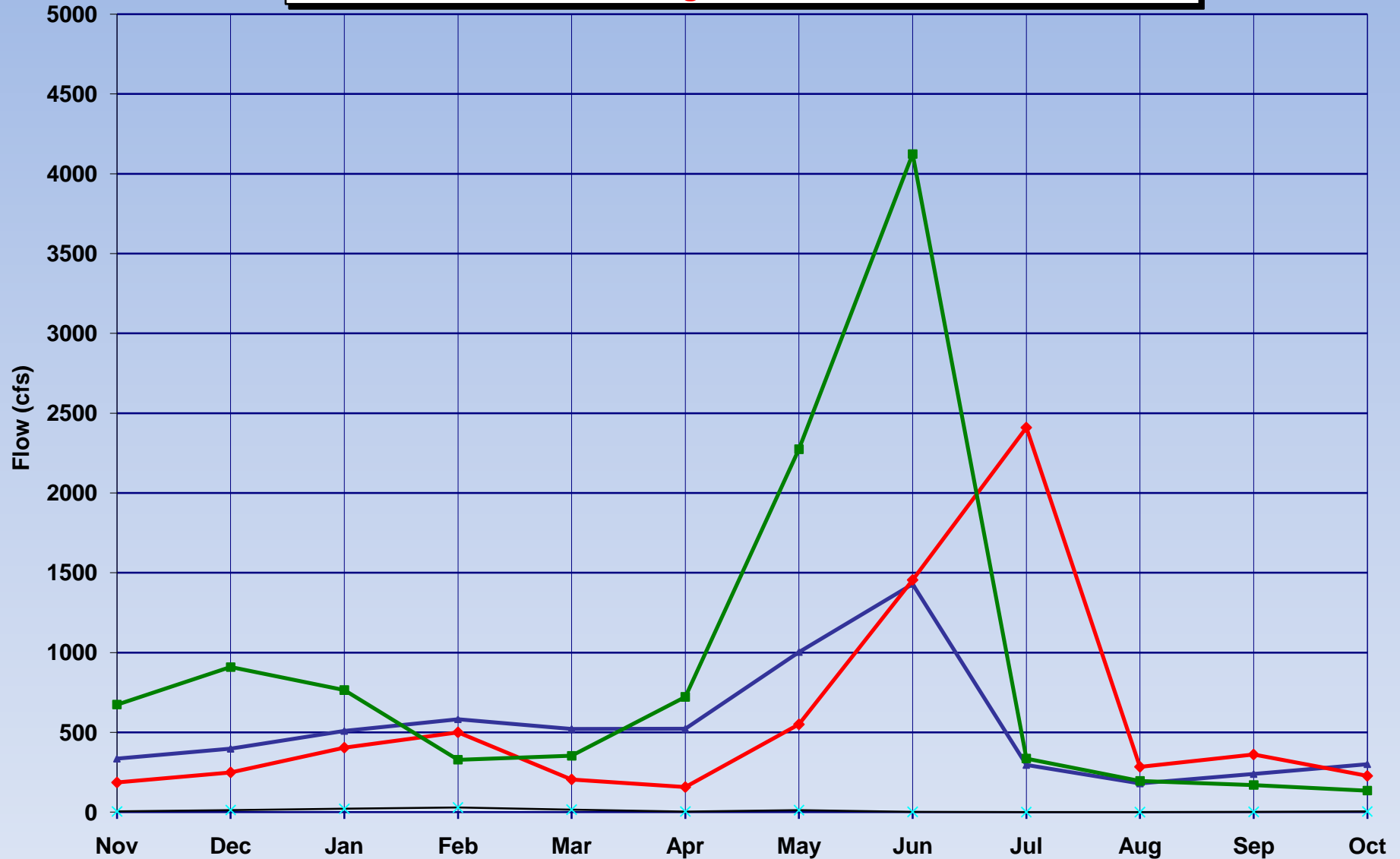


Historic* Mean Flow Historic* Min Flow 2010-2011 Mean Flow 2009-2010 Mean Flow

*1901-2010

South Platte River at Julesburg

Irrigation Year



—▲— Historic* Mean Flow

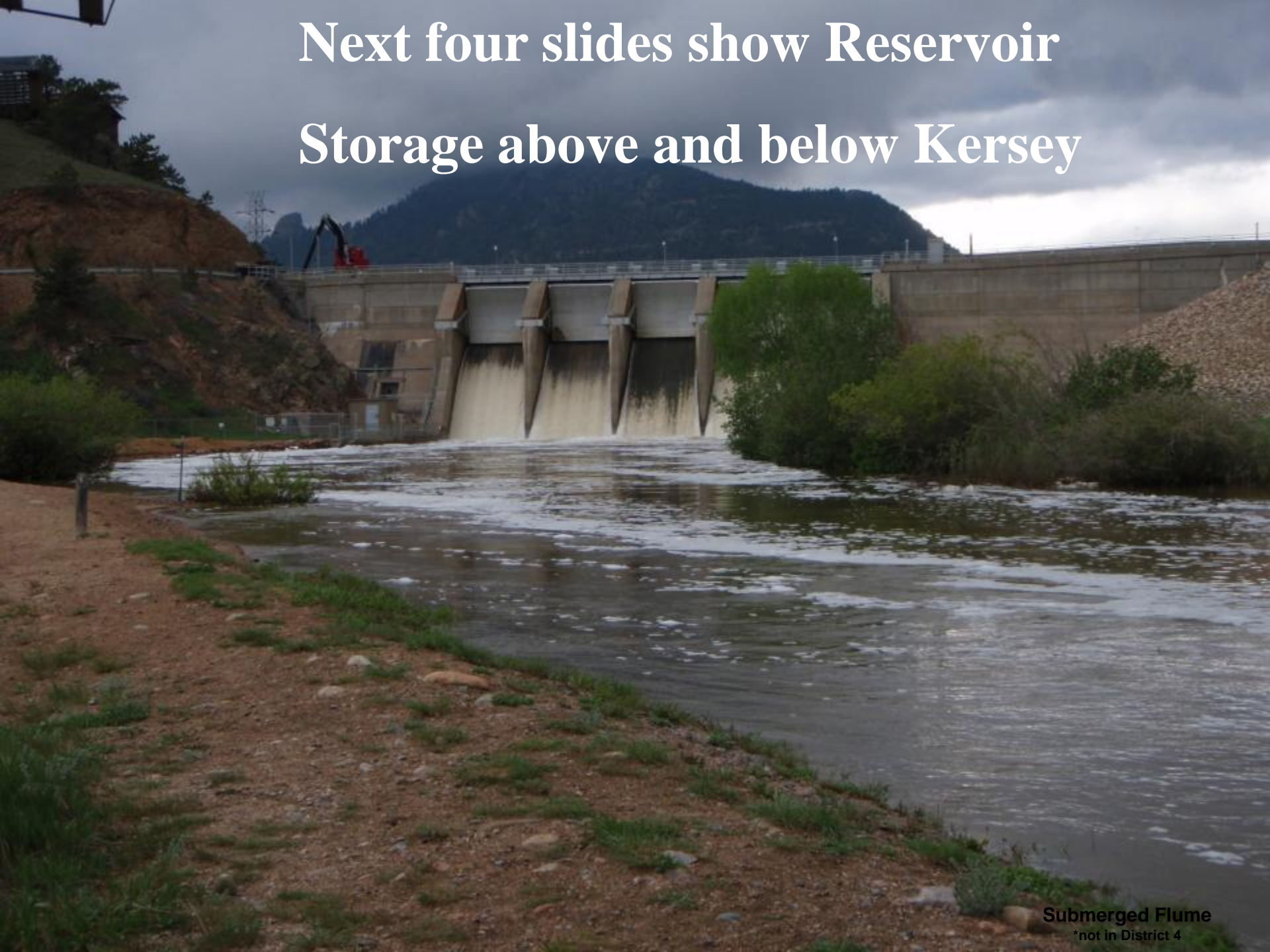
—*— Historic* Min Flow

—◆— 2010-2011 Mean Flow

—■— 2009-2010 Mean Flow

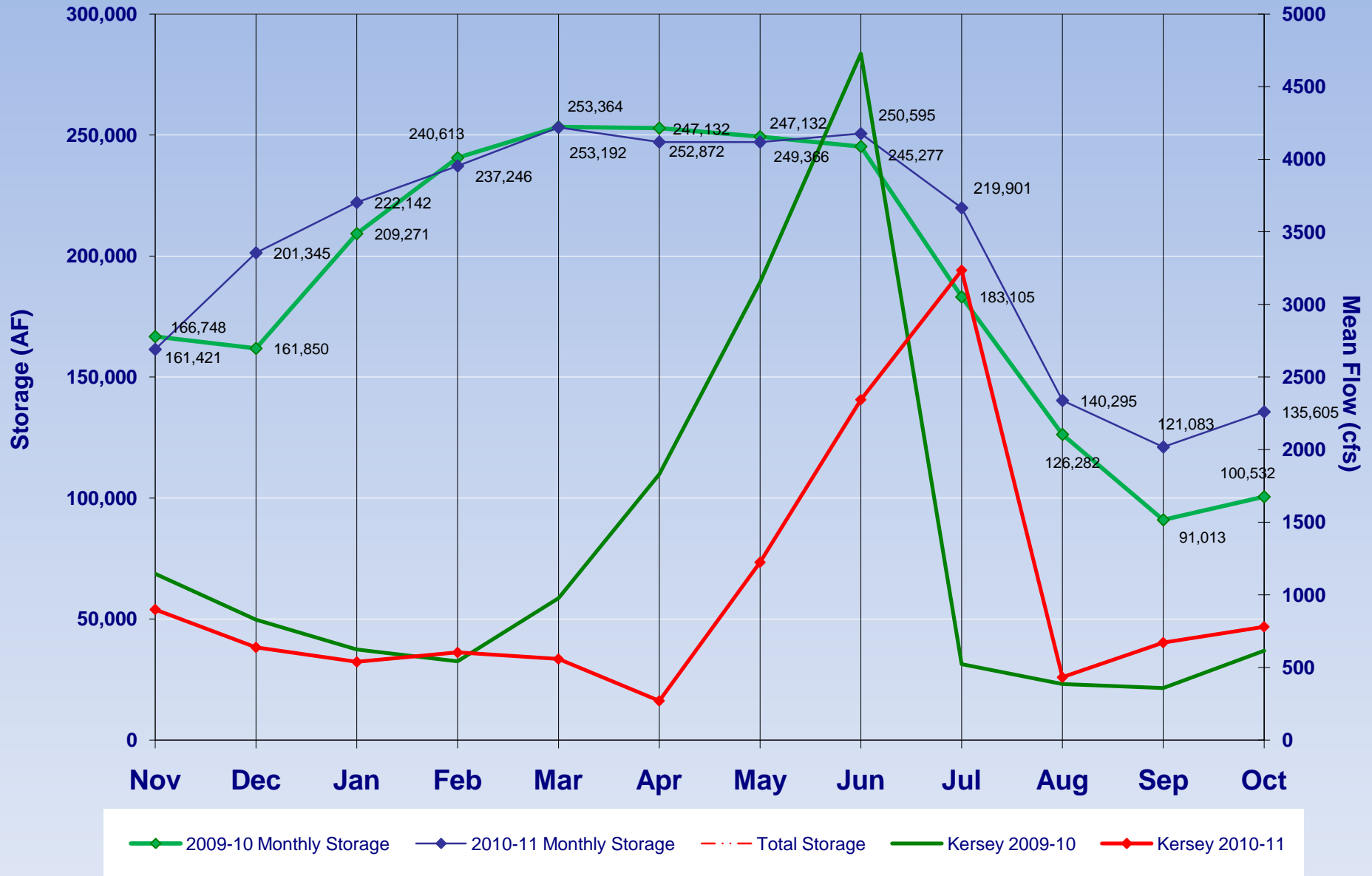
*1902-2010

Next four slides show Reservoir Storage above and below Kersey



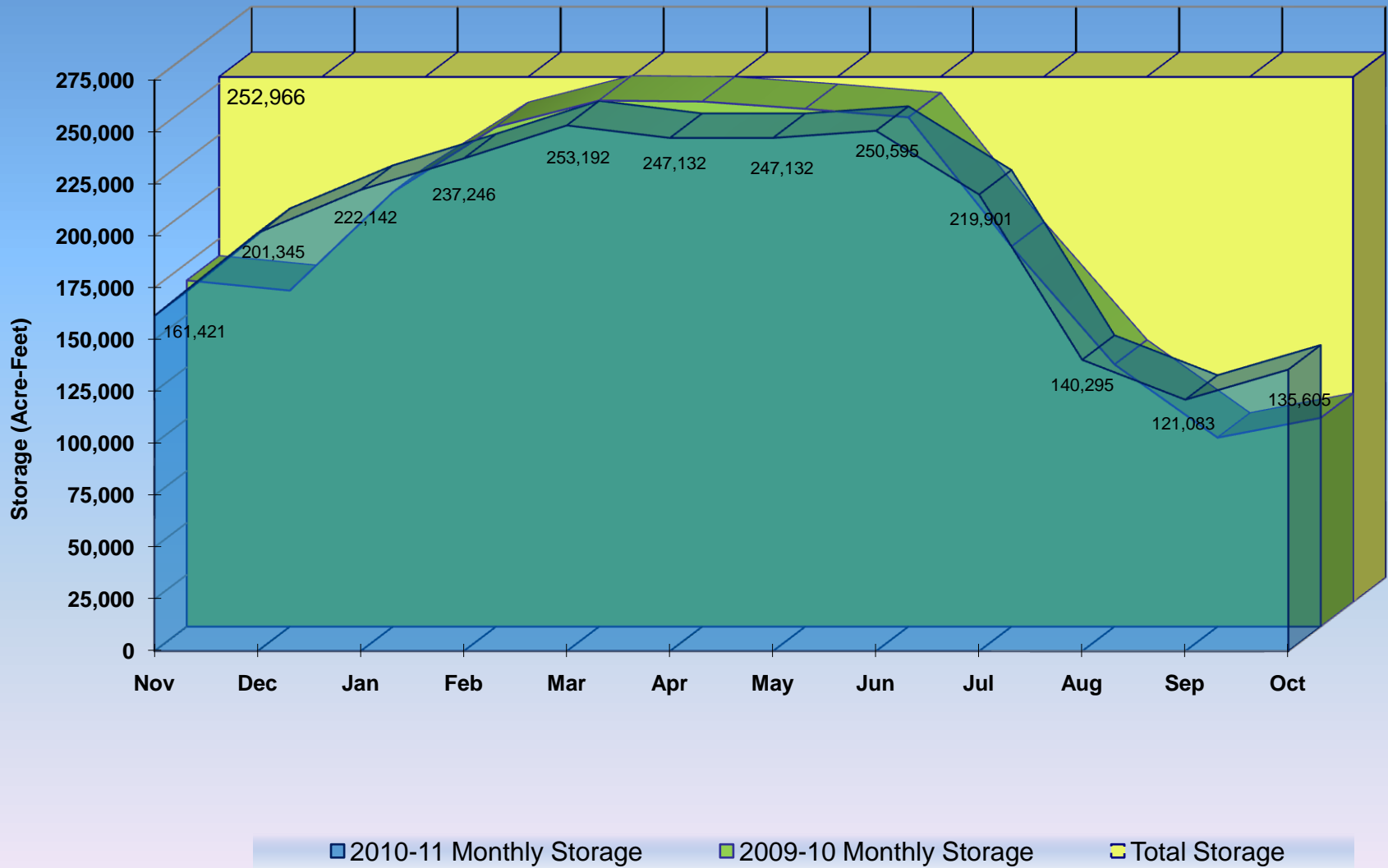
Reservoir Storage below Kersey

Selected Reservoirs*



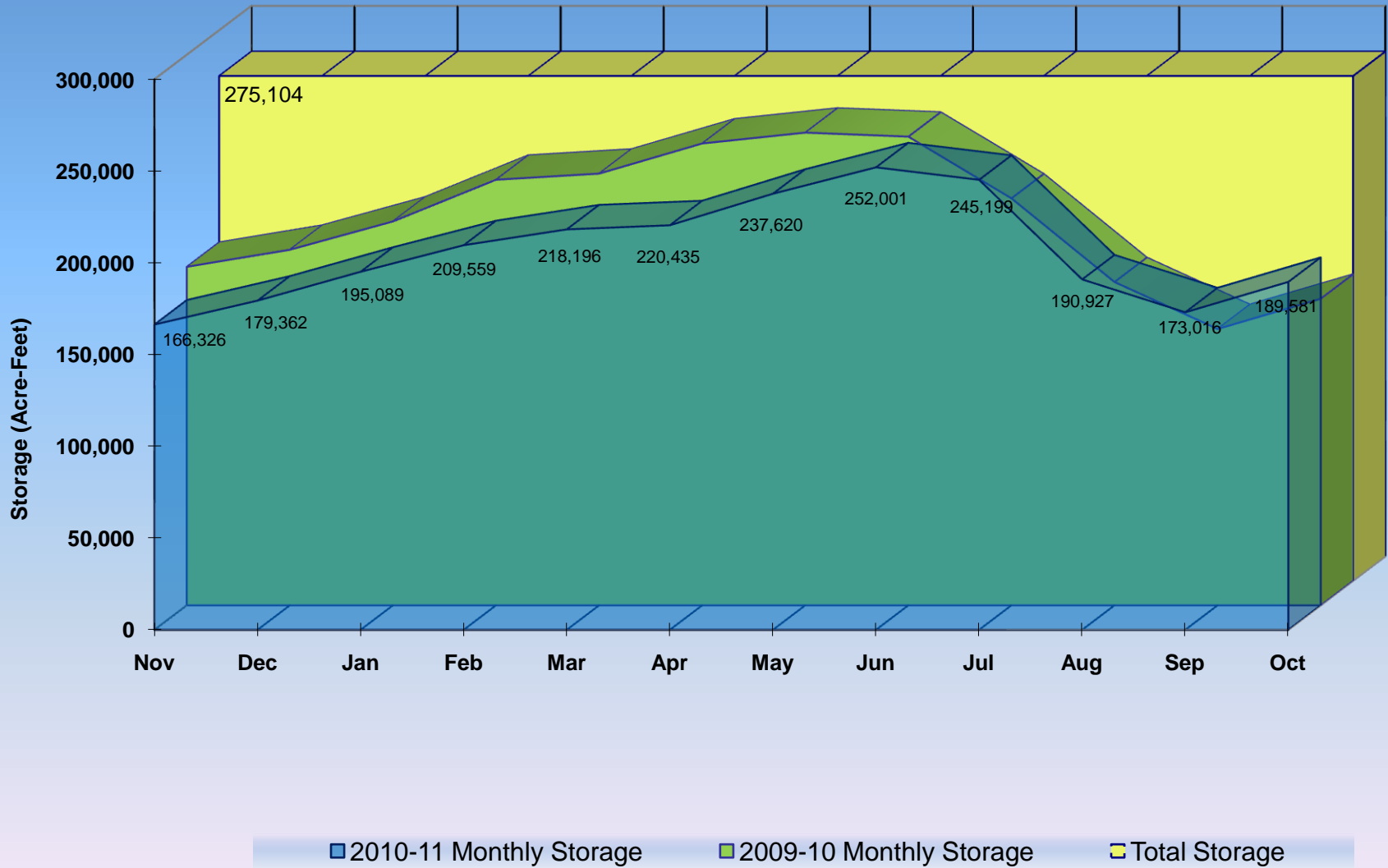
*Empire, Riverside, Jackson, Prewitt, North Sterling, & Julesburg

South Platte Reservoir Storage below Kersey*



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

South Platte Reservoir Storage above Kersey*

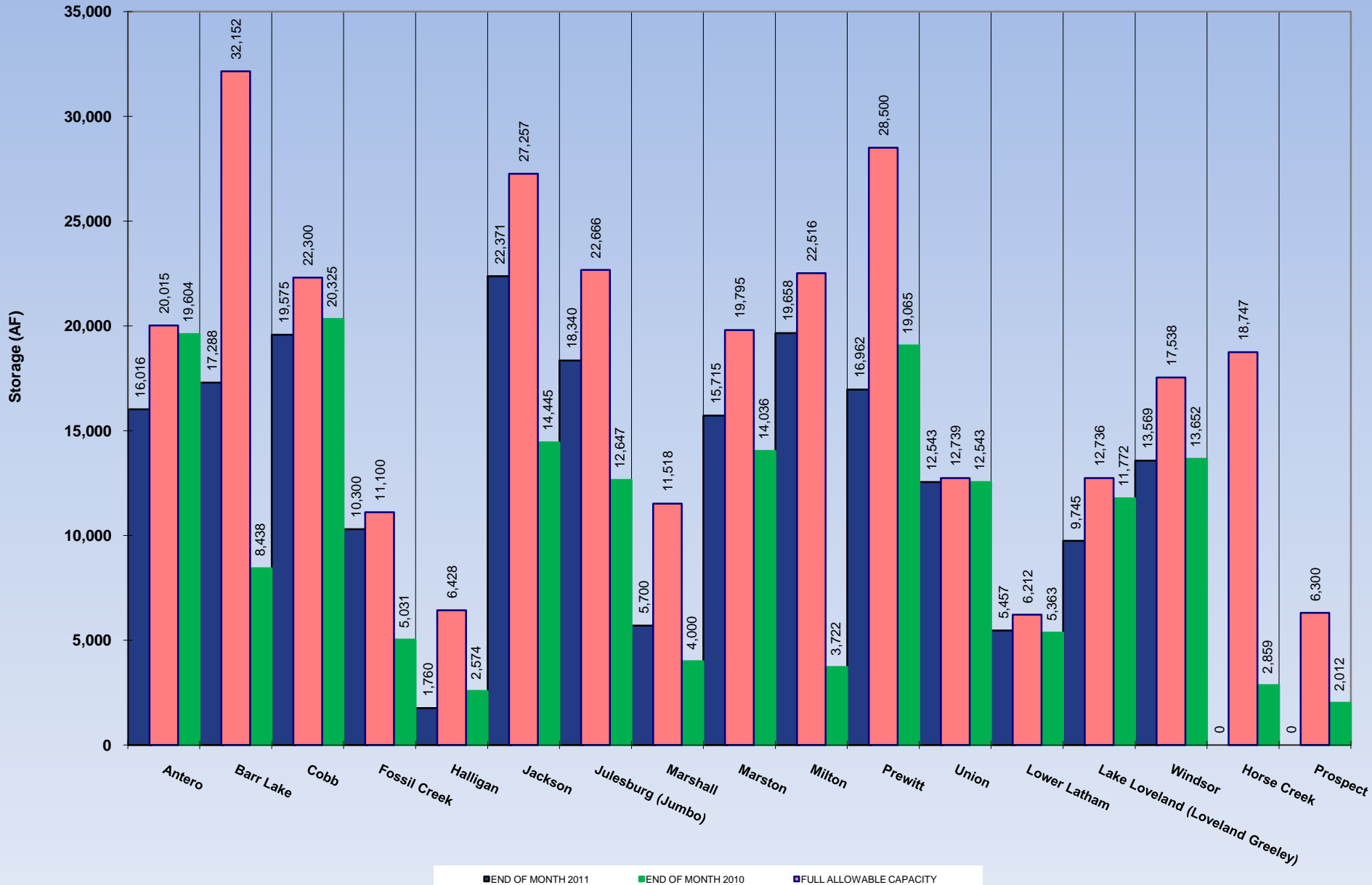


*Barr, Cobb, Fossil Crk, Halligan, Marshall, Milton, Union, Standley, Lower Latham, Boyd, Loveland, Windsor, Horse Crk, & Prospect

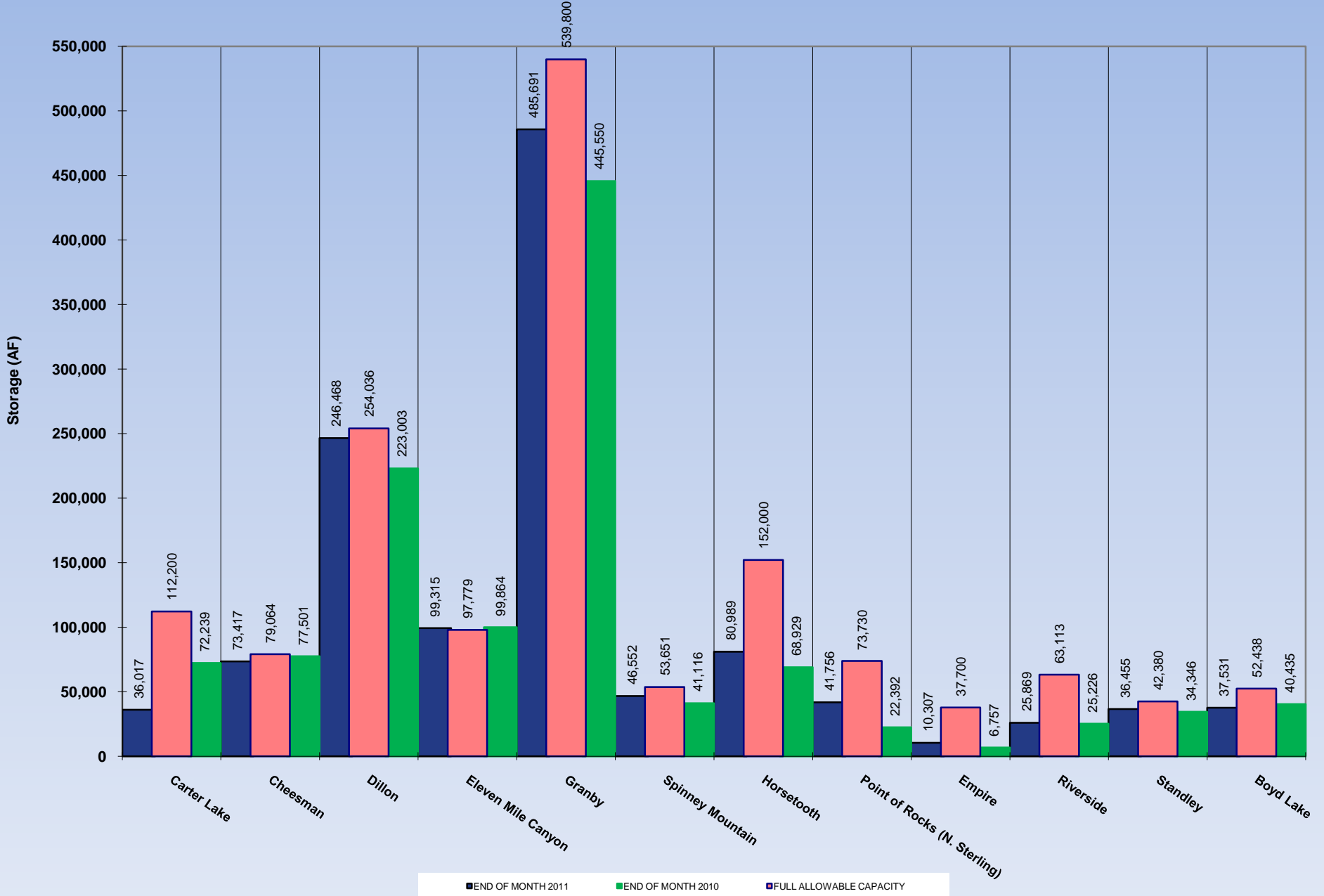


**Individual Reservoir
Storage Follows**

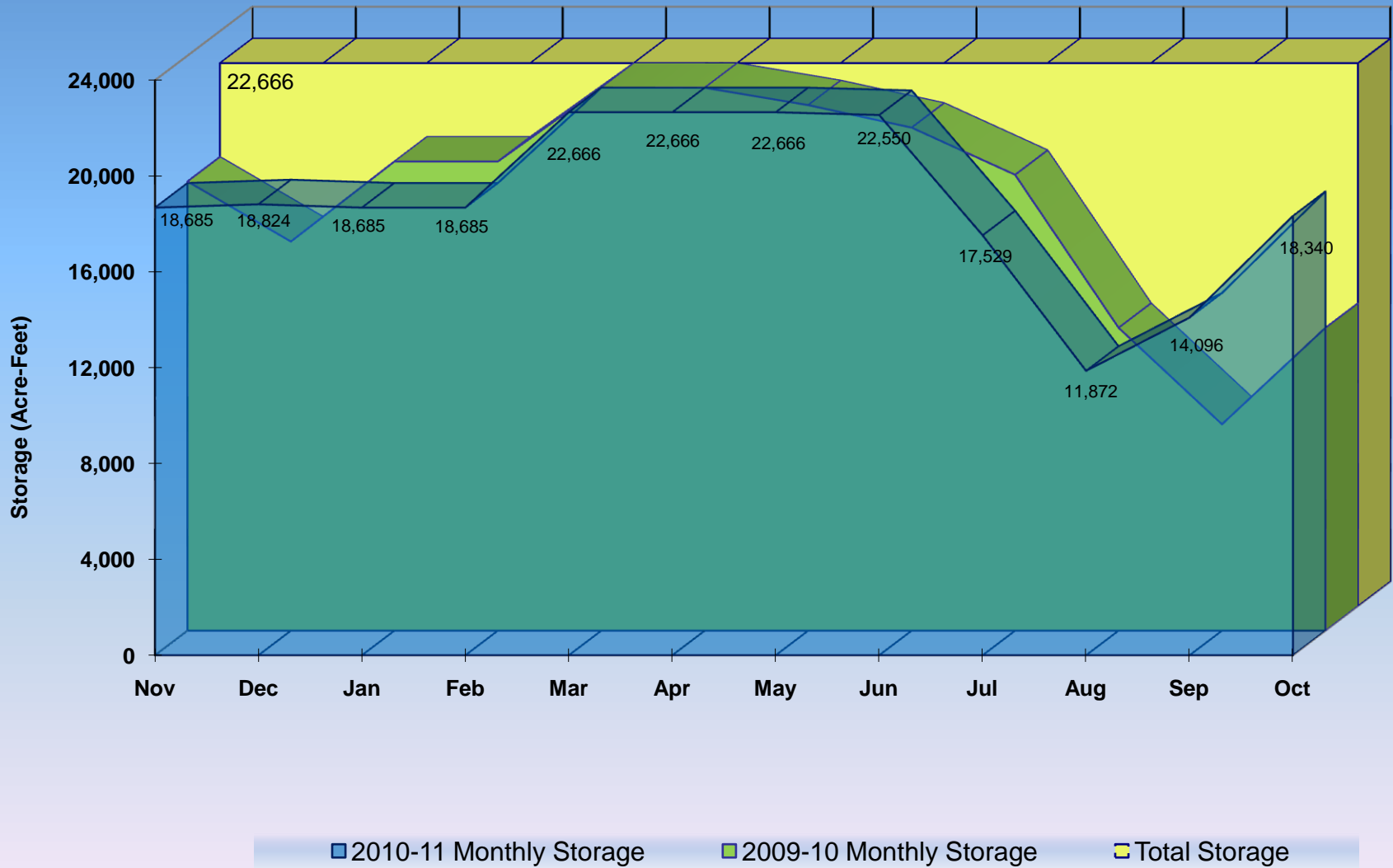
October Reservoir Change in Storage 2010 versus 2011



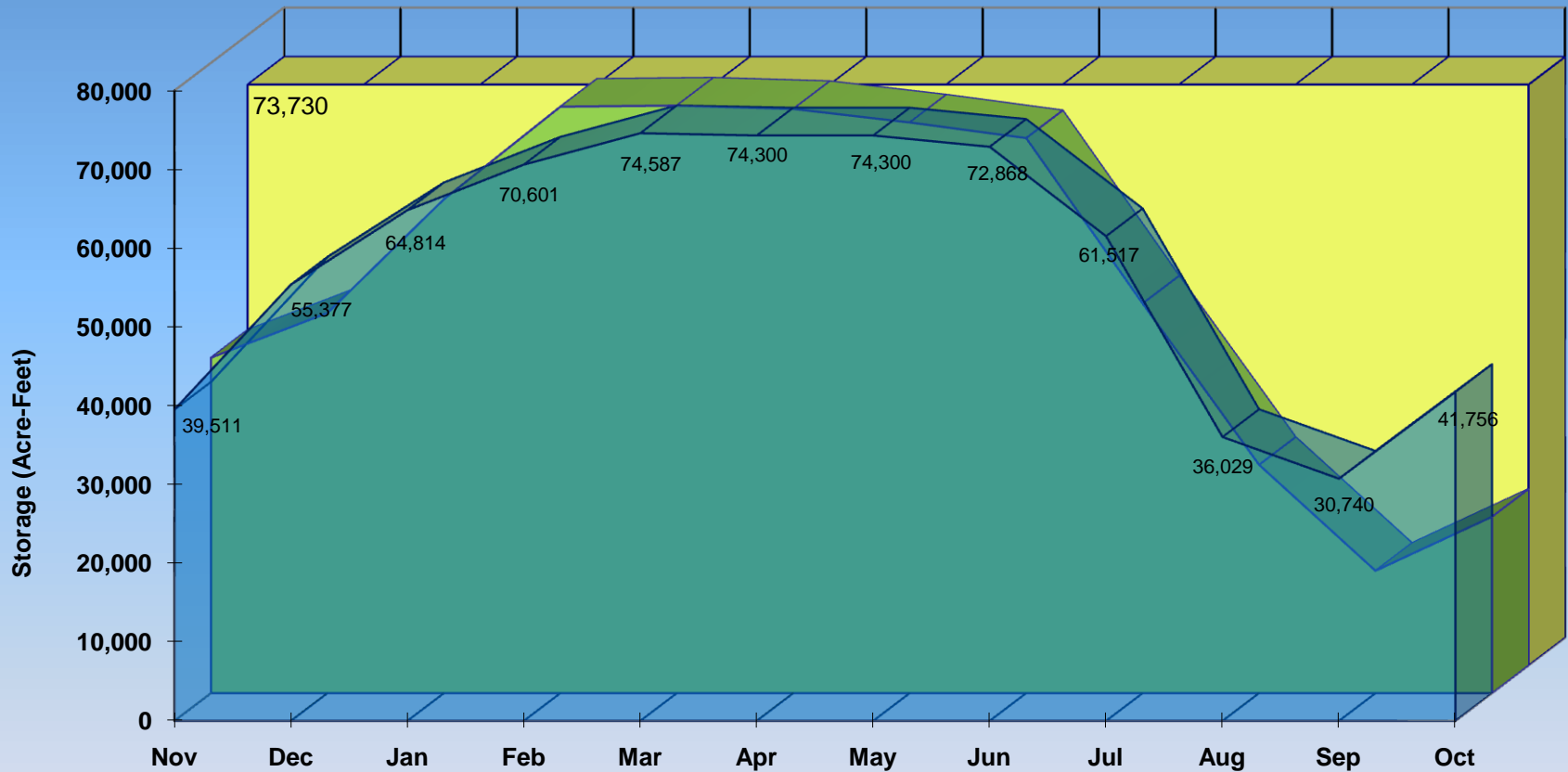
October Reservoir Change in Storage 2010 versus 2011



Julesburg Reservoir (District 64 - Agricultural)

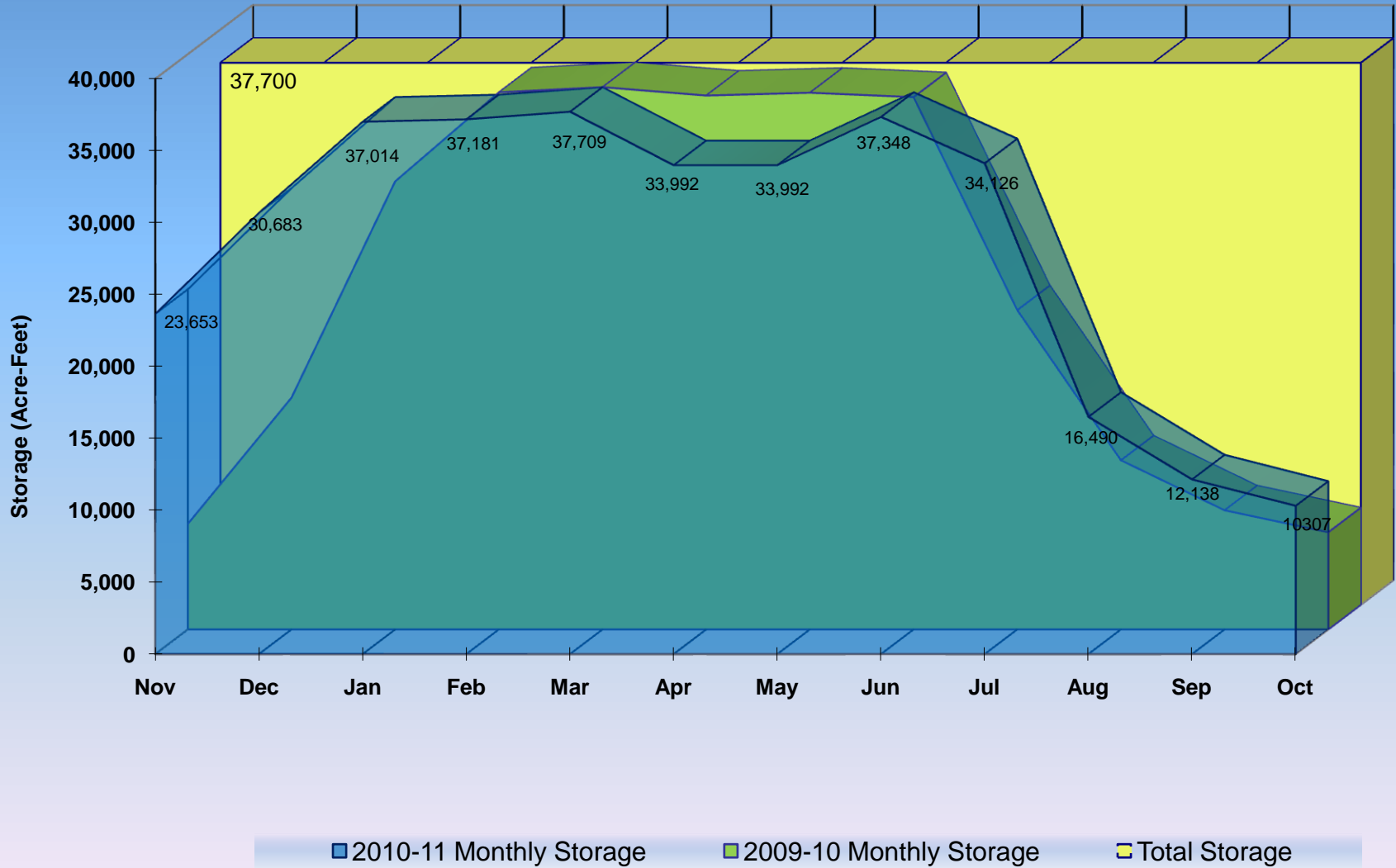


North Sterling Reservoir (District 64- Agricultural)

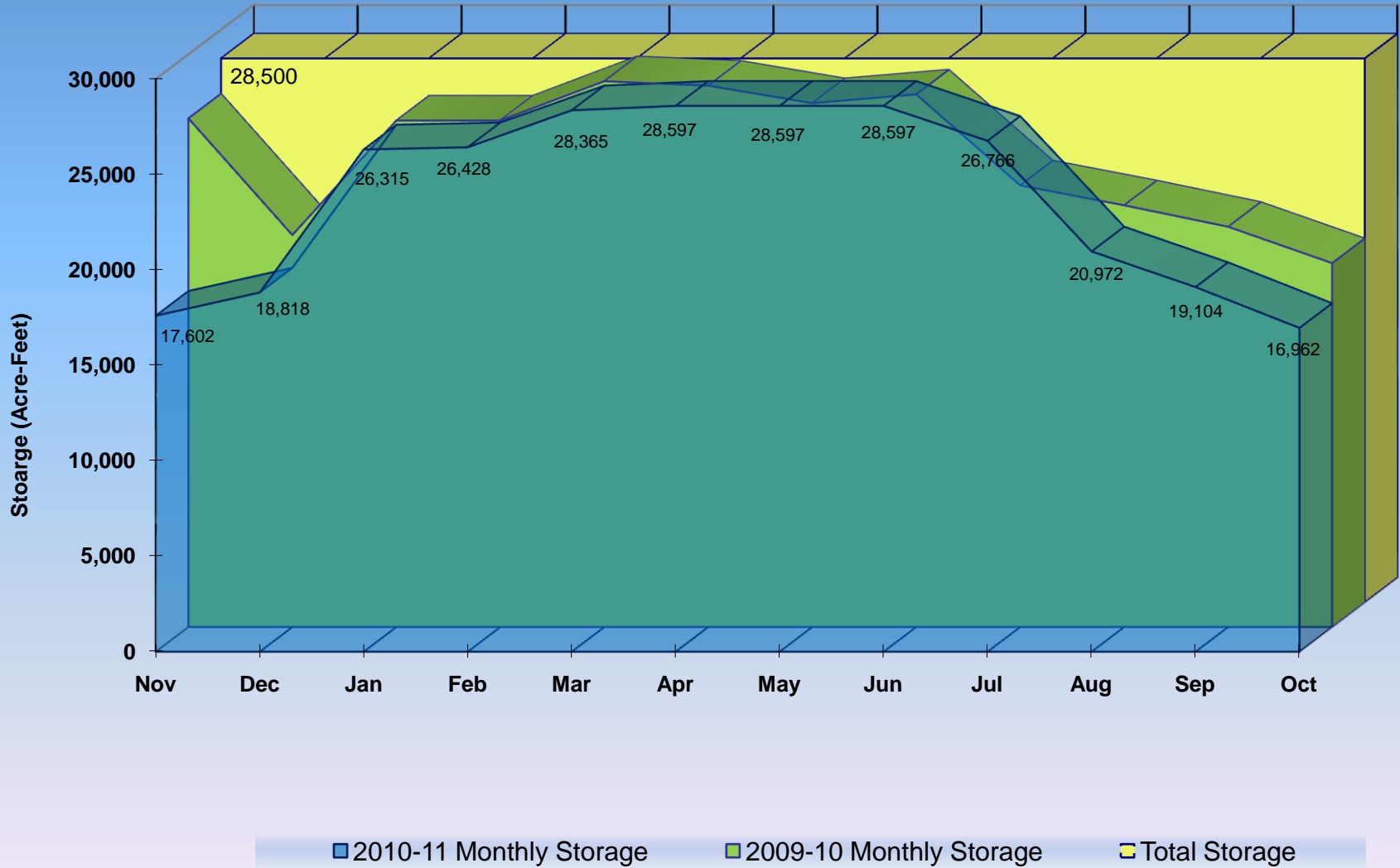


■ 2010-11 Monthly Storage
 ■ 2009-10 Monthly Storage
 ■ Total Storage

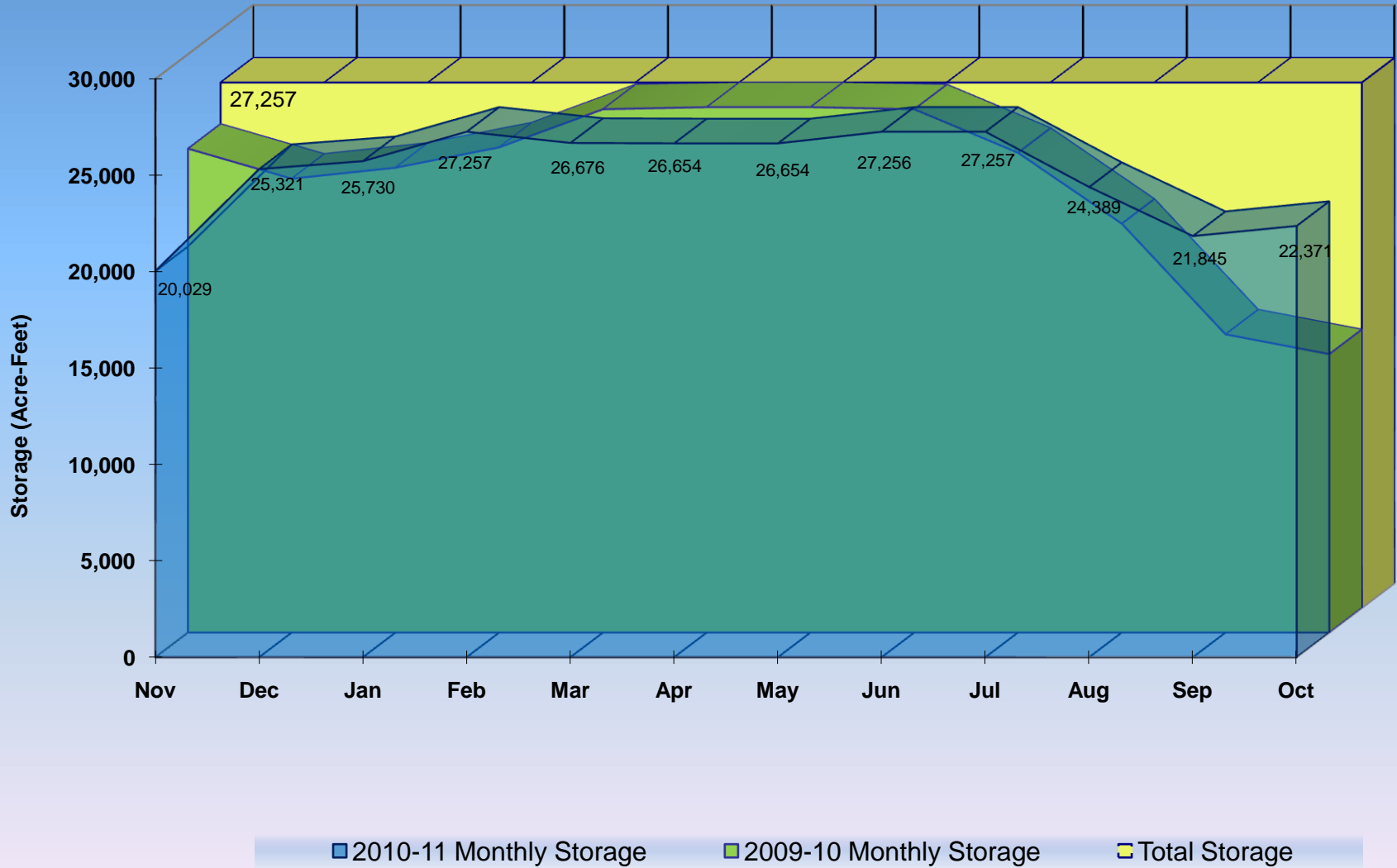
Empire Reservoir (District 1- Agricultural)



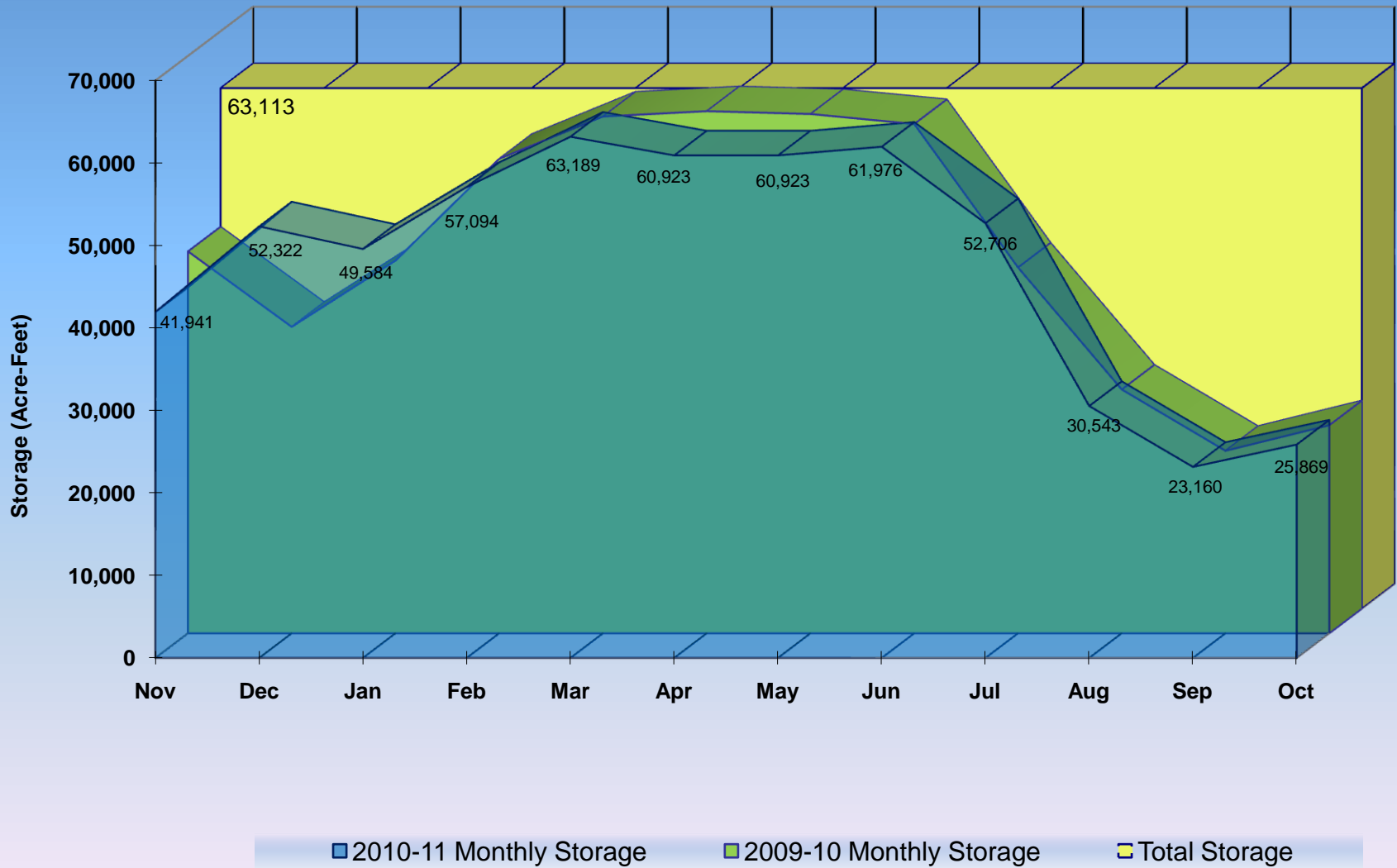
Prewitt Reservoir (District 64- Agricultural)



Jackson Reservoir (District 1- Agricultural)

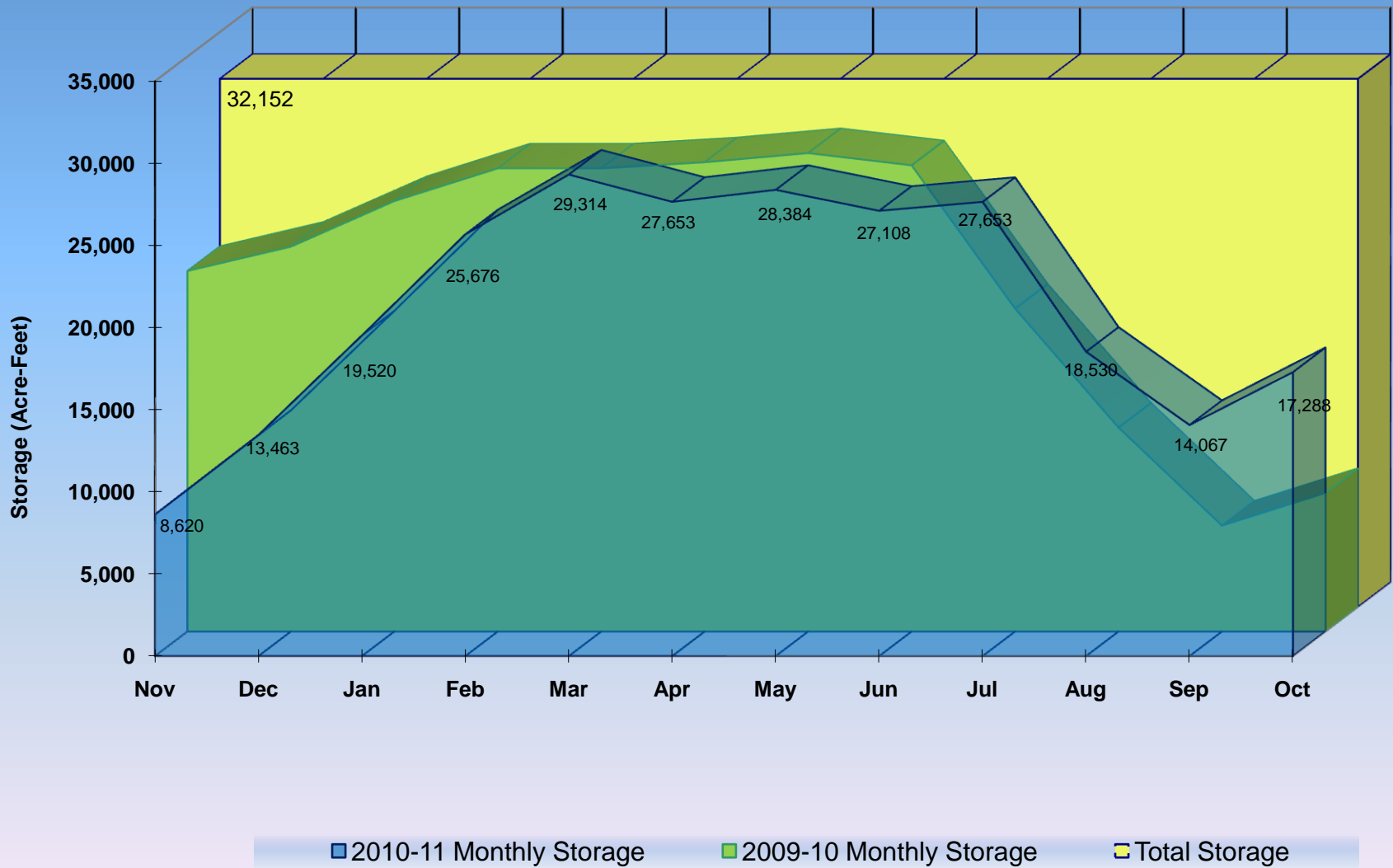


Riverside Reservoir (District 1 - Agricultural)

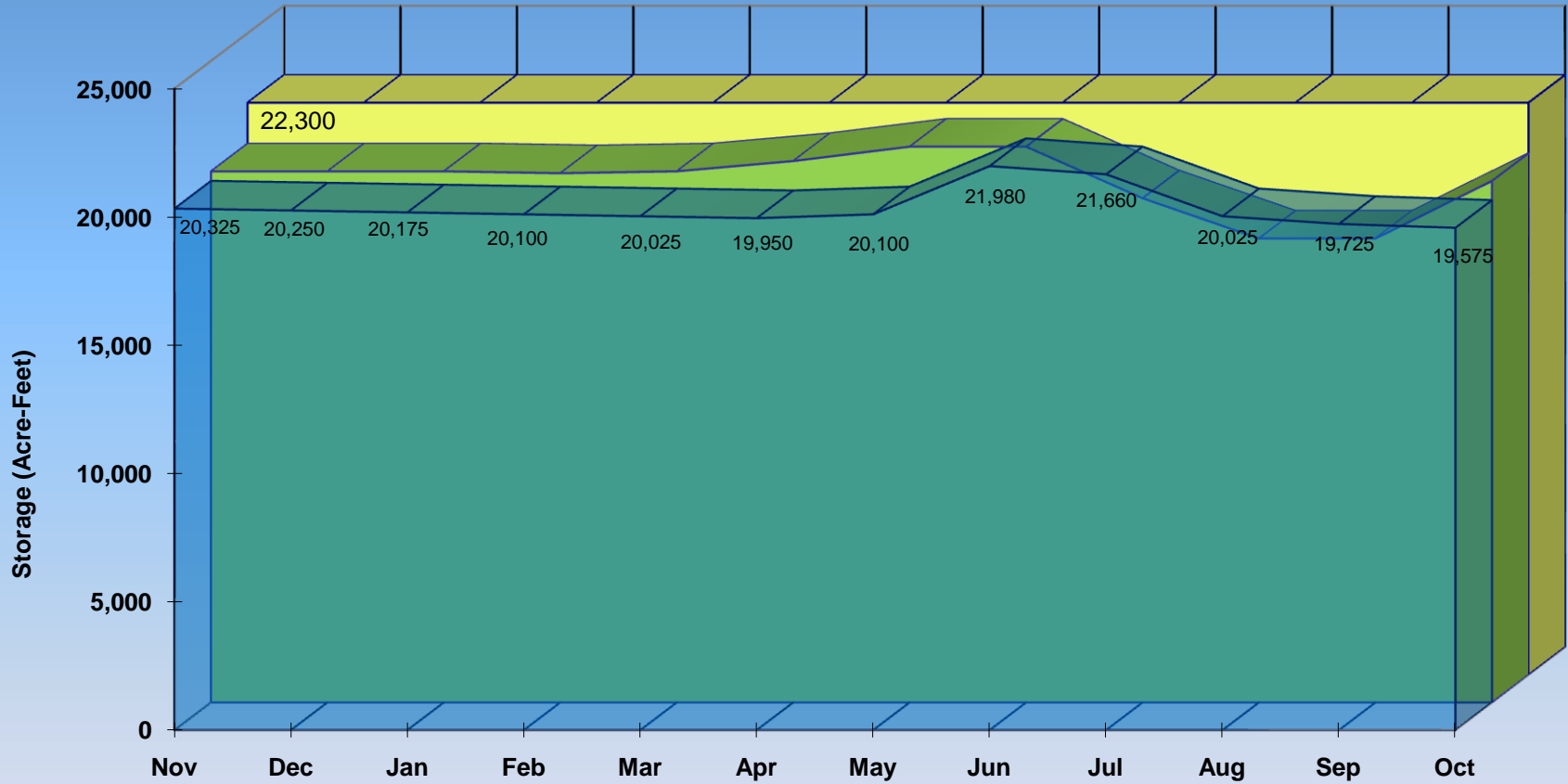


Barr Lake

(District 2 - Agricultural)

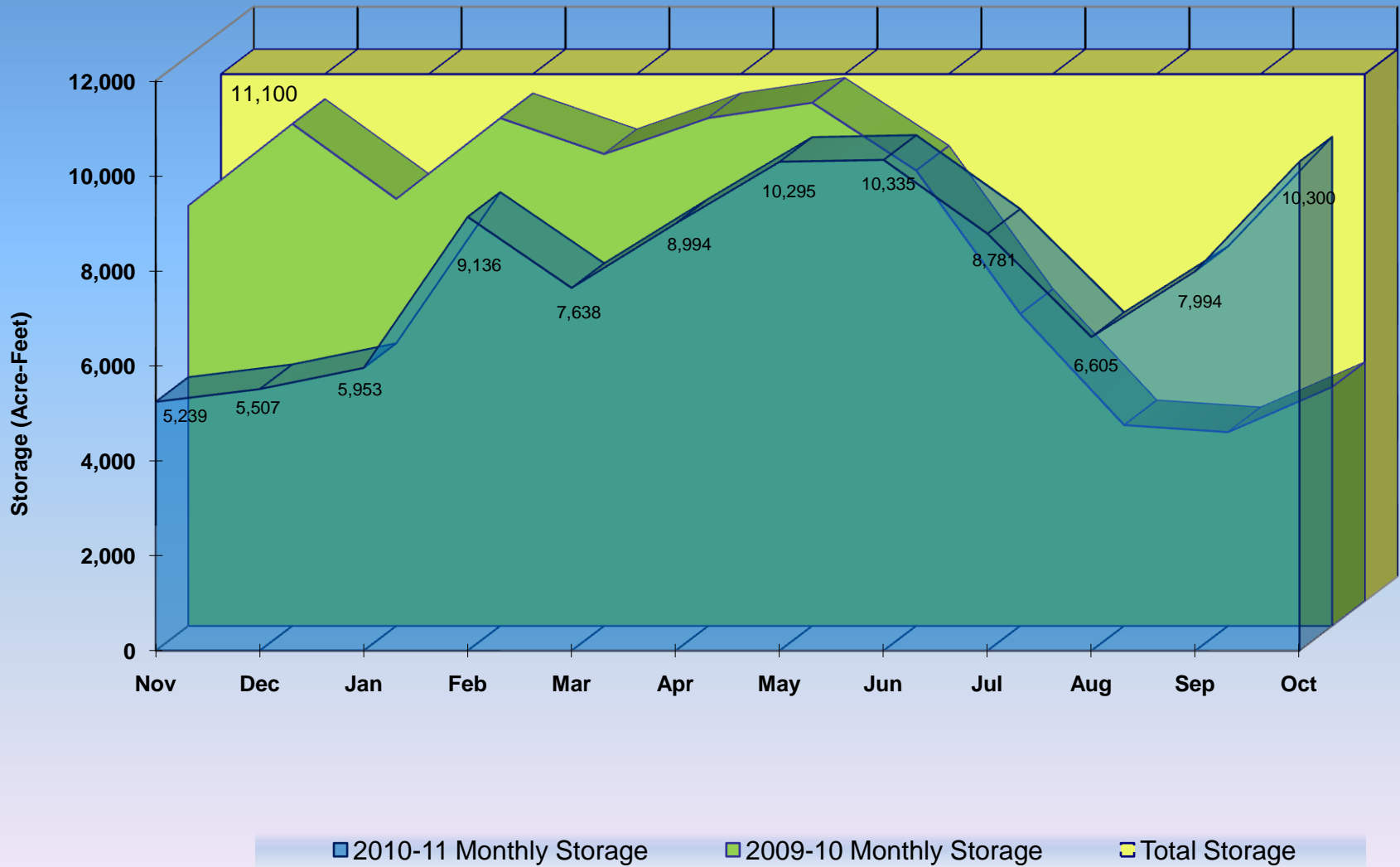


Cobb Lake (District 3, Poudre River - Agricultural)

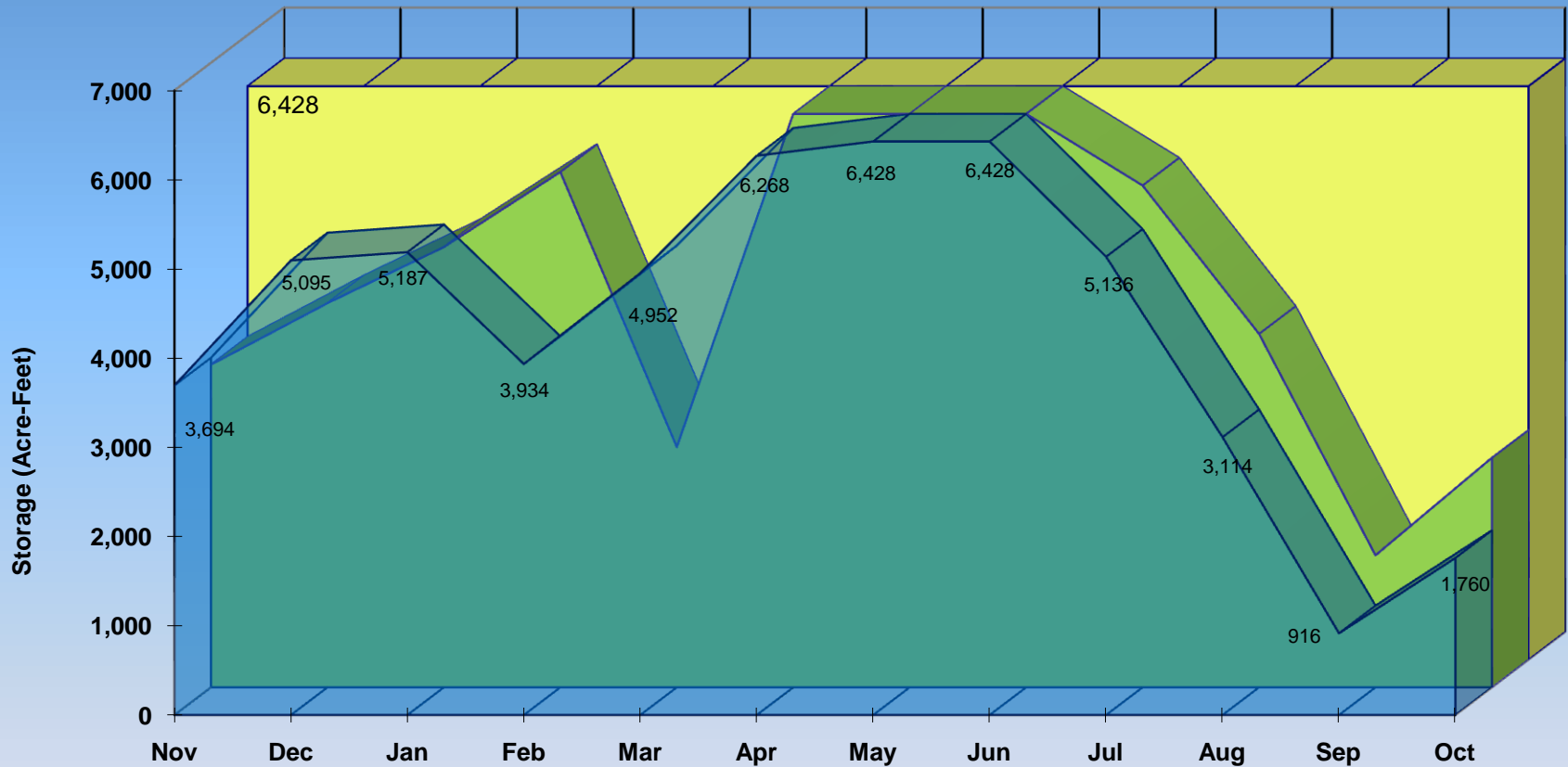


■ 2010-11 Monthly Storage
 ■ 2009-10 Monthly Storage
 ■ Total Storage

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

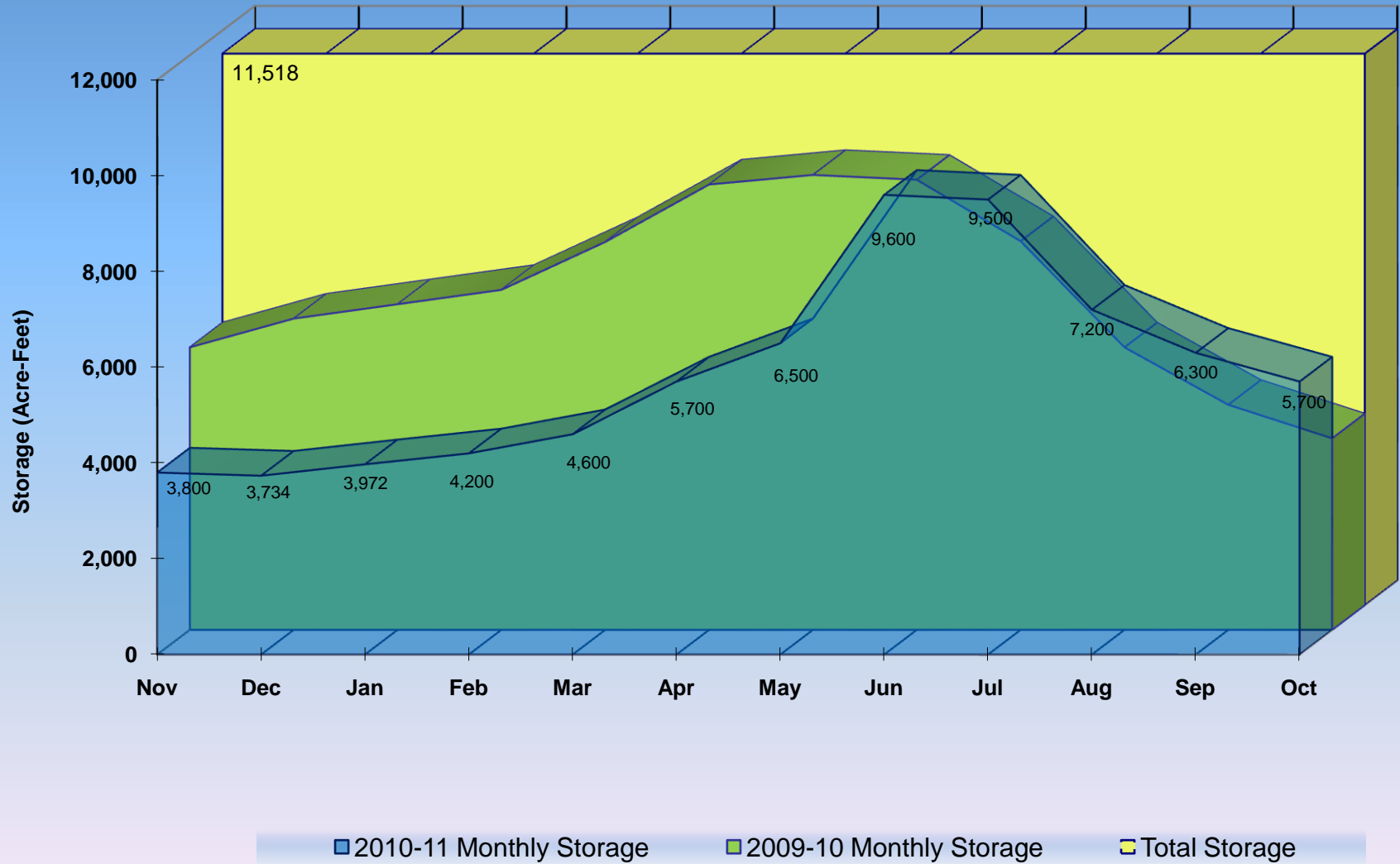


Halligan Reservoir (District 3, Poudre River - Agricultural)

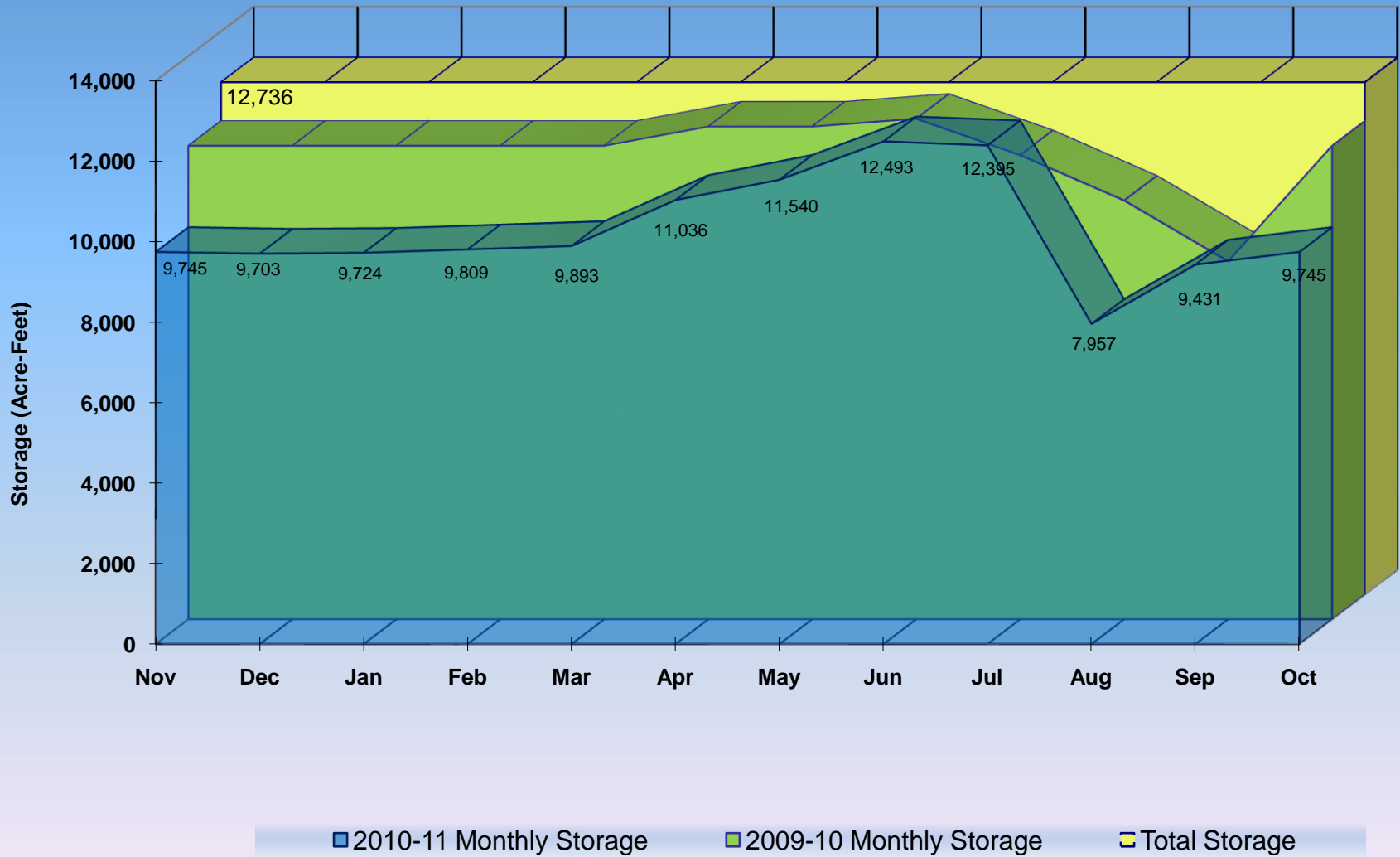


■ 2010-11 Monthly Storage
 ■ 2009-10 Monthly Storage
 ■ Total Storage

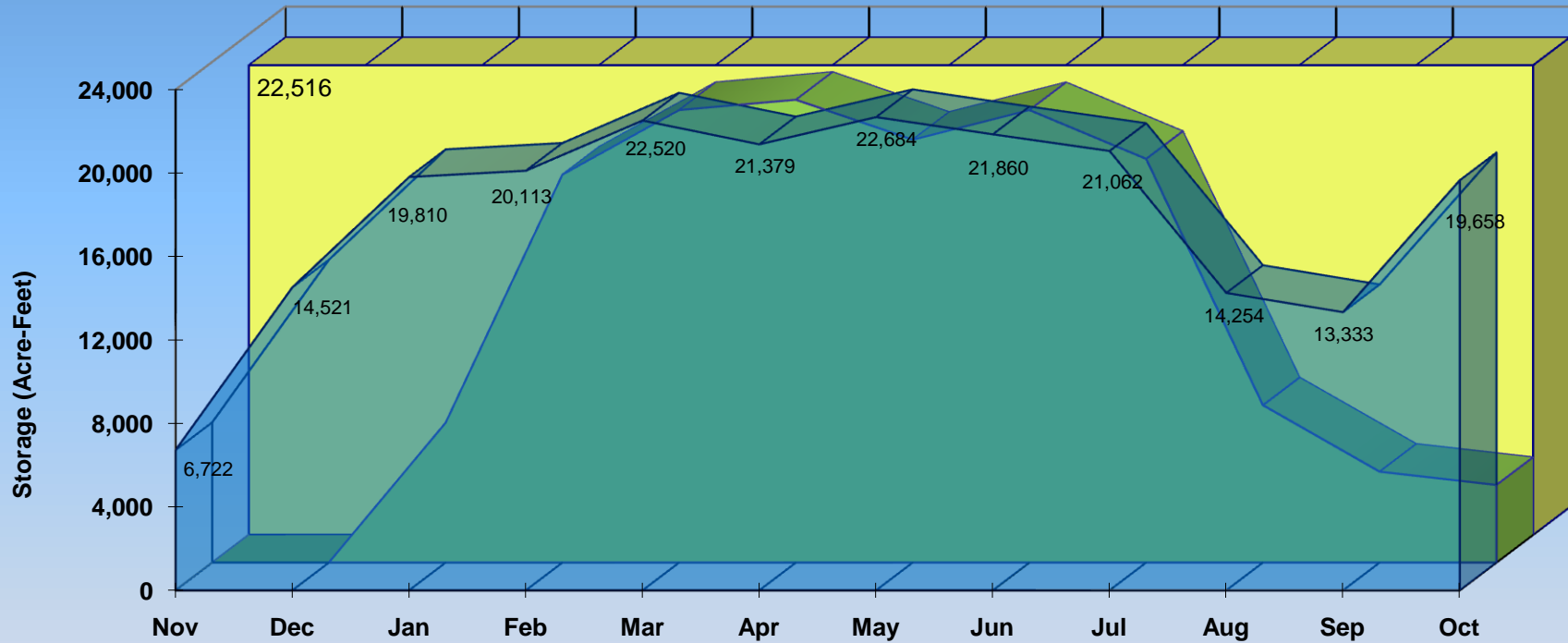
Marshall Lake (District 6, Boulder Creek - Agricultural)



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

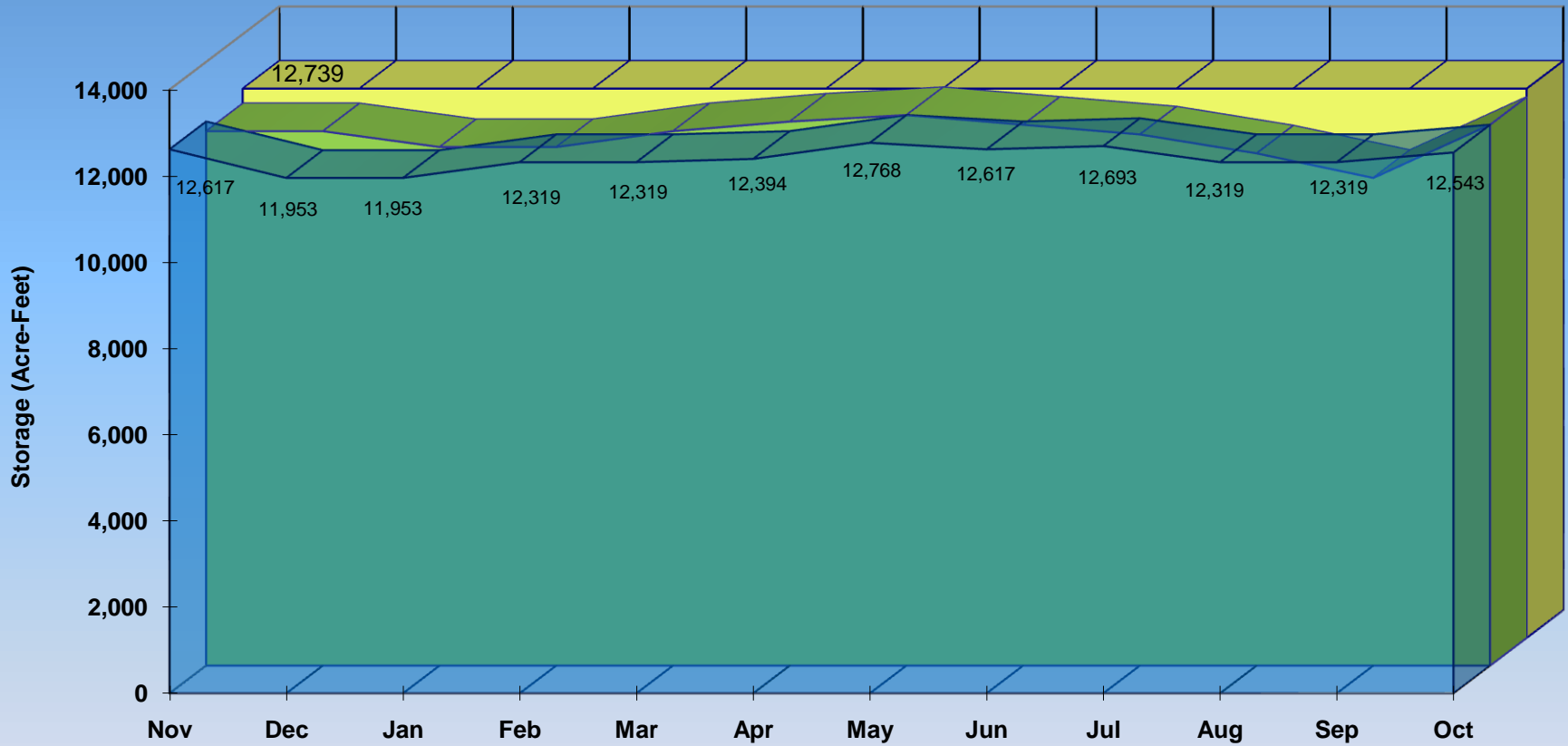


Milton Reservoir (District 2 - Agricultural)



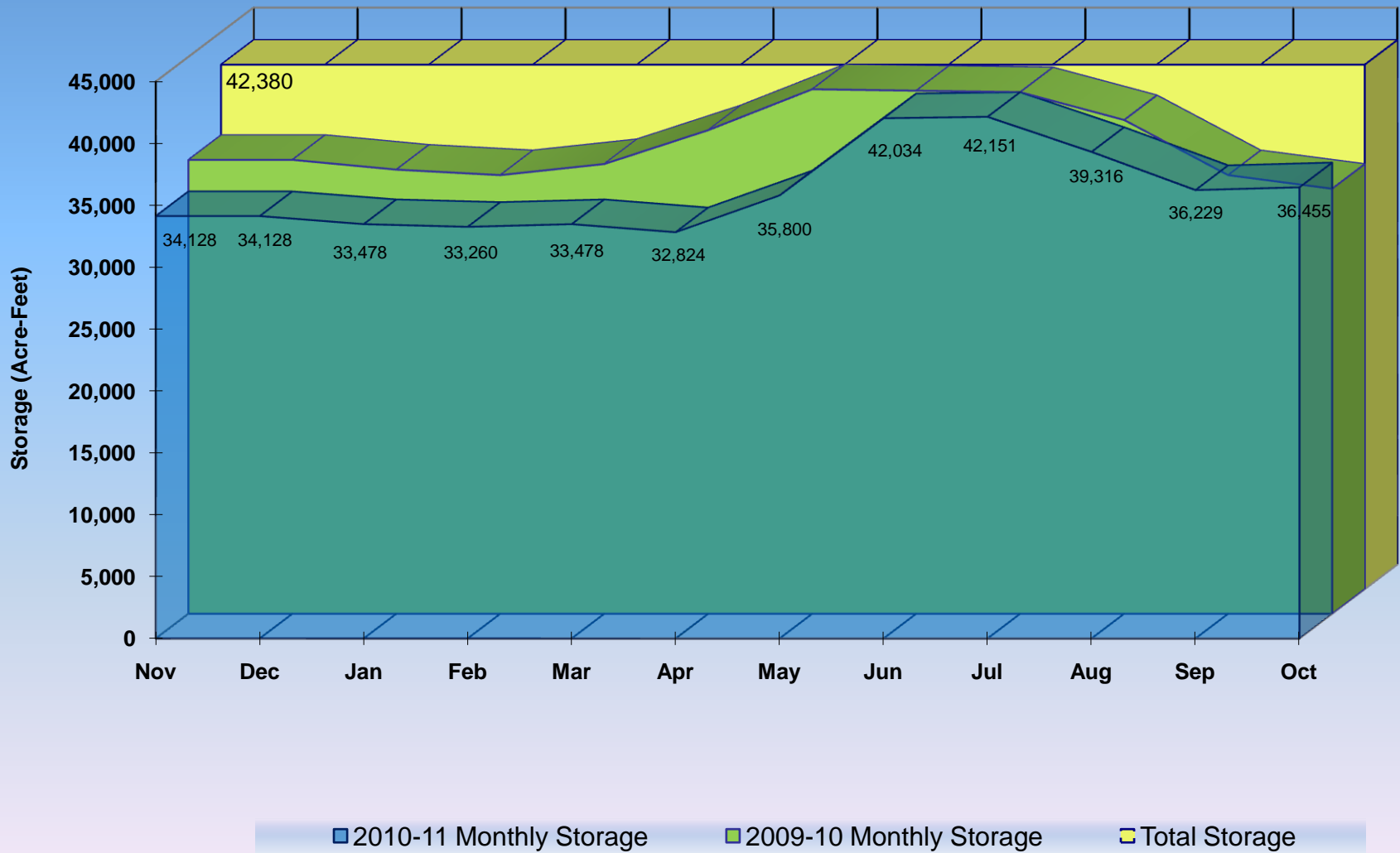
■ 2010-11 Monthly Storage
 ■ 2009-10 Monthly Storage
 ■ Total Storage

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

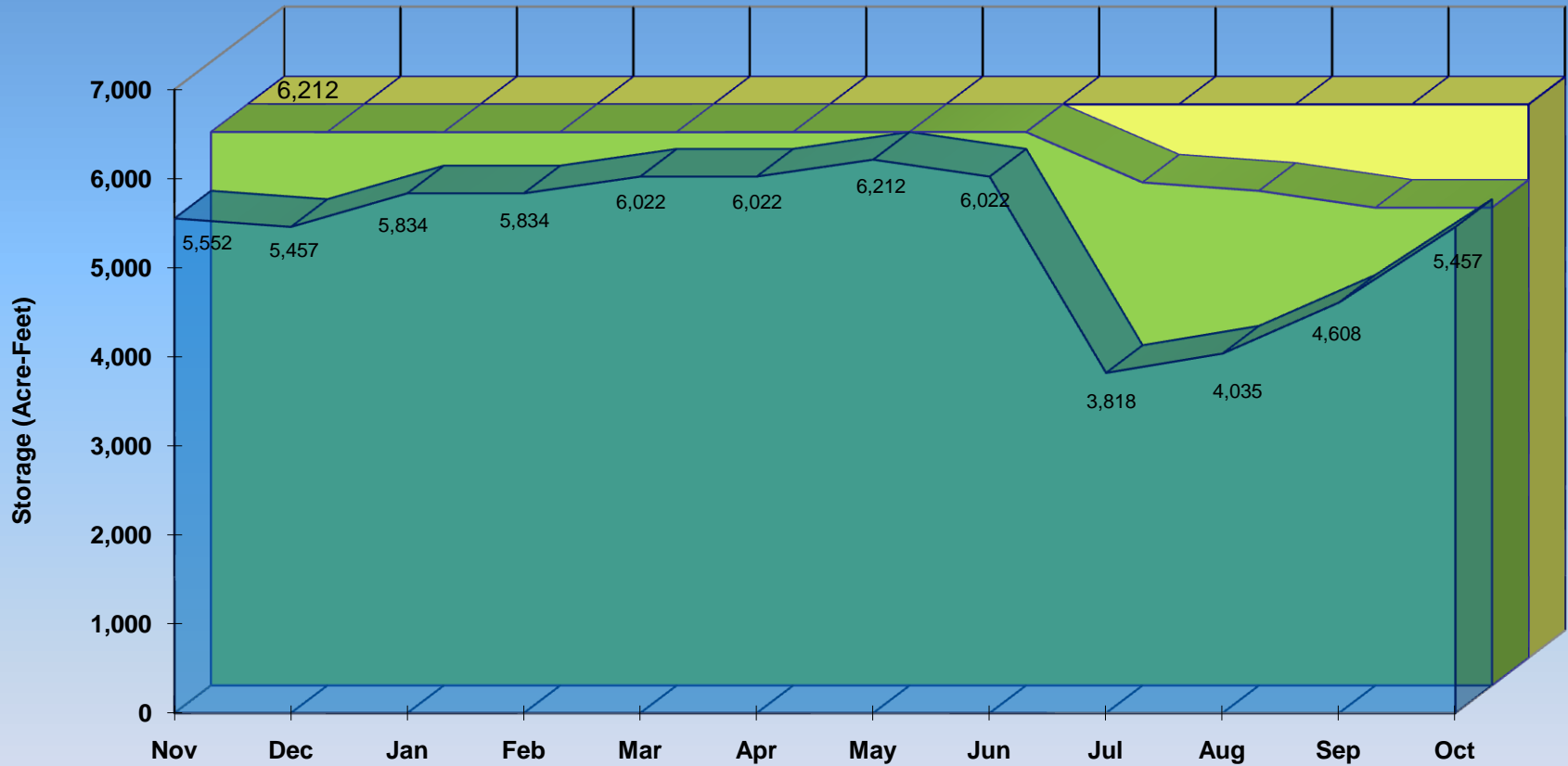


■ 2010-11 Monthly Storage
 ■ 2009-10 Monthly Storage
 ■ Total Storage

Standley Lake (Agricultural)



Lower Latham Reservoir (District 2 - Agricultural)

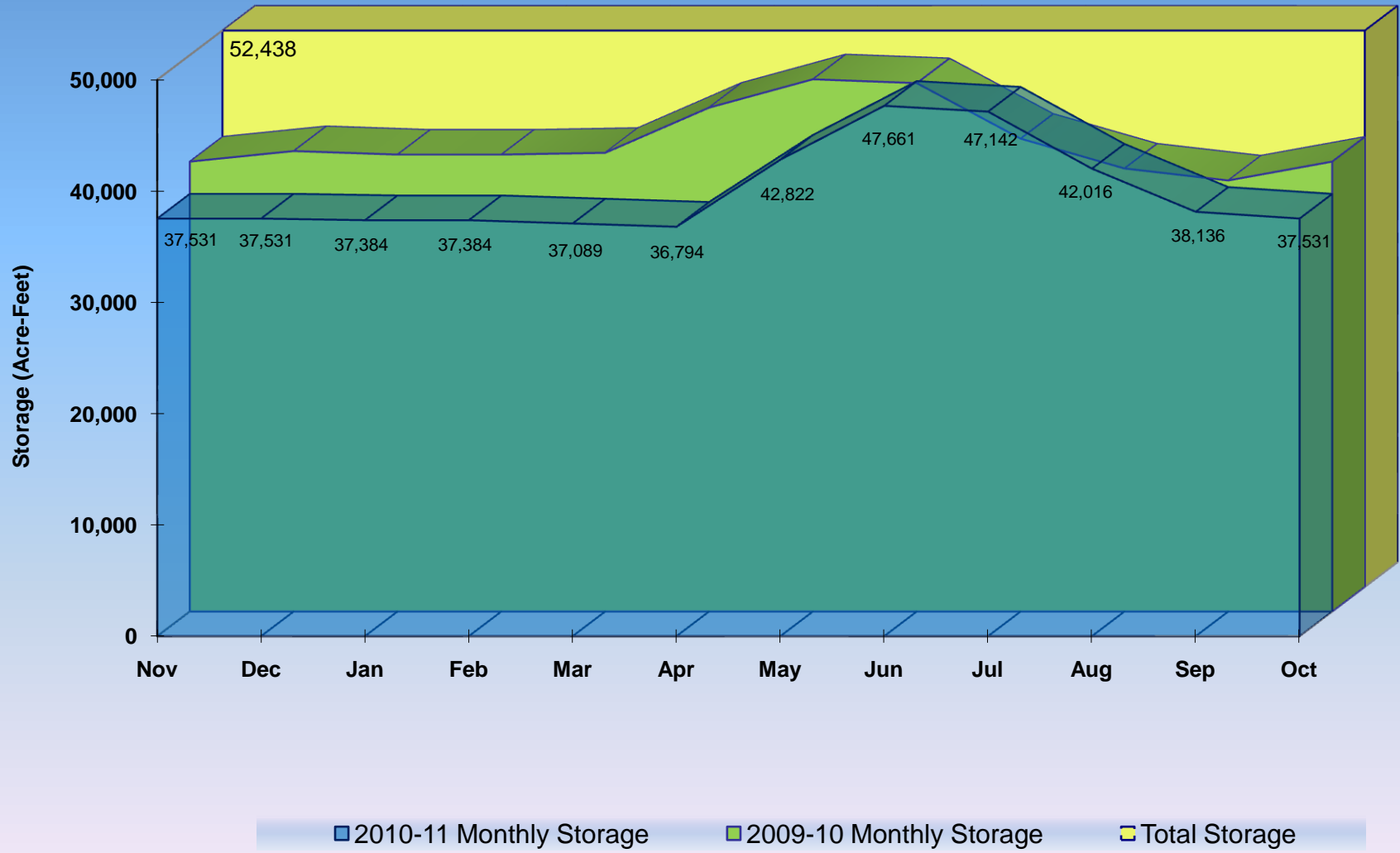


2010-11 Monthly Storage

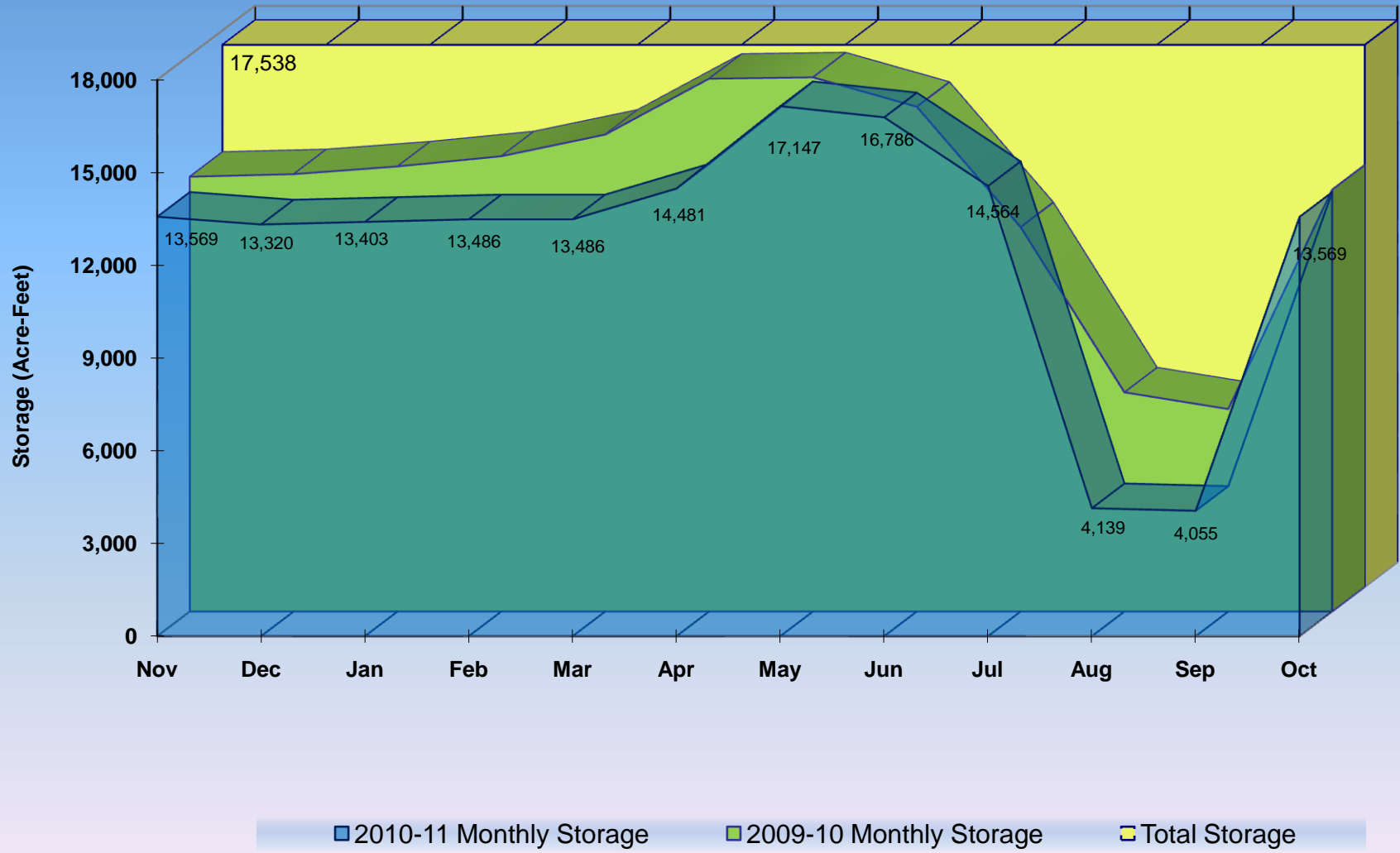
2009-10 Monthly Storage

Total Storage

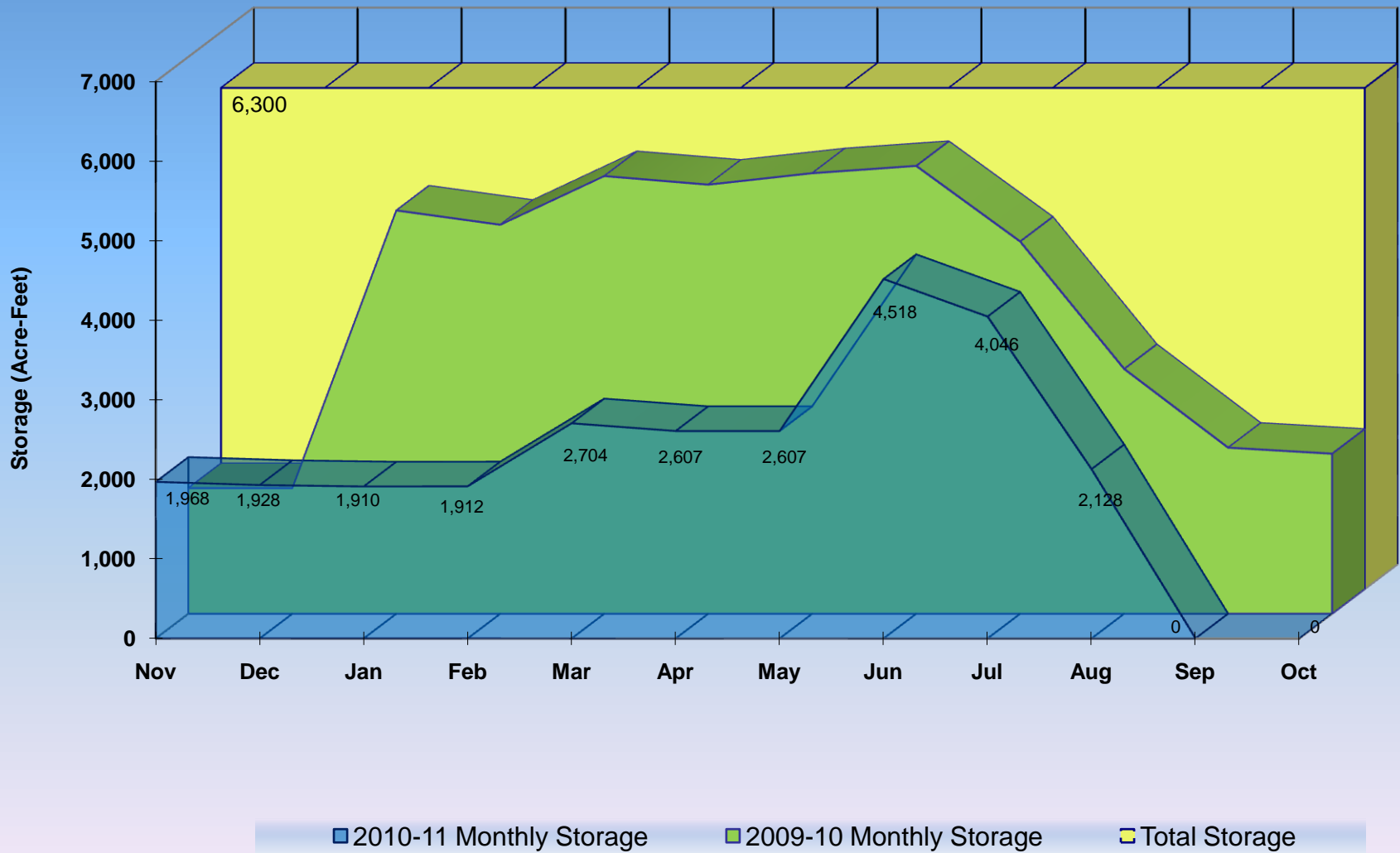
Boyd Lake (District 4, Big Thompson River - Agricultural)



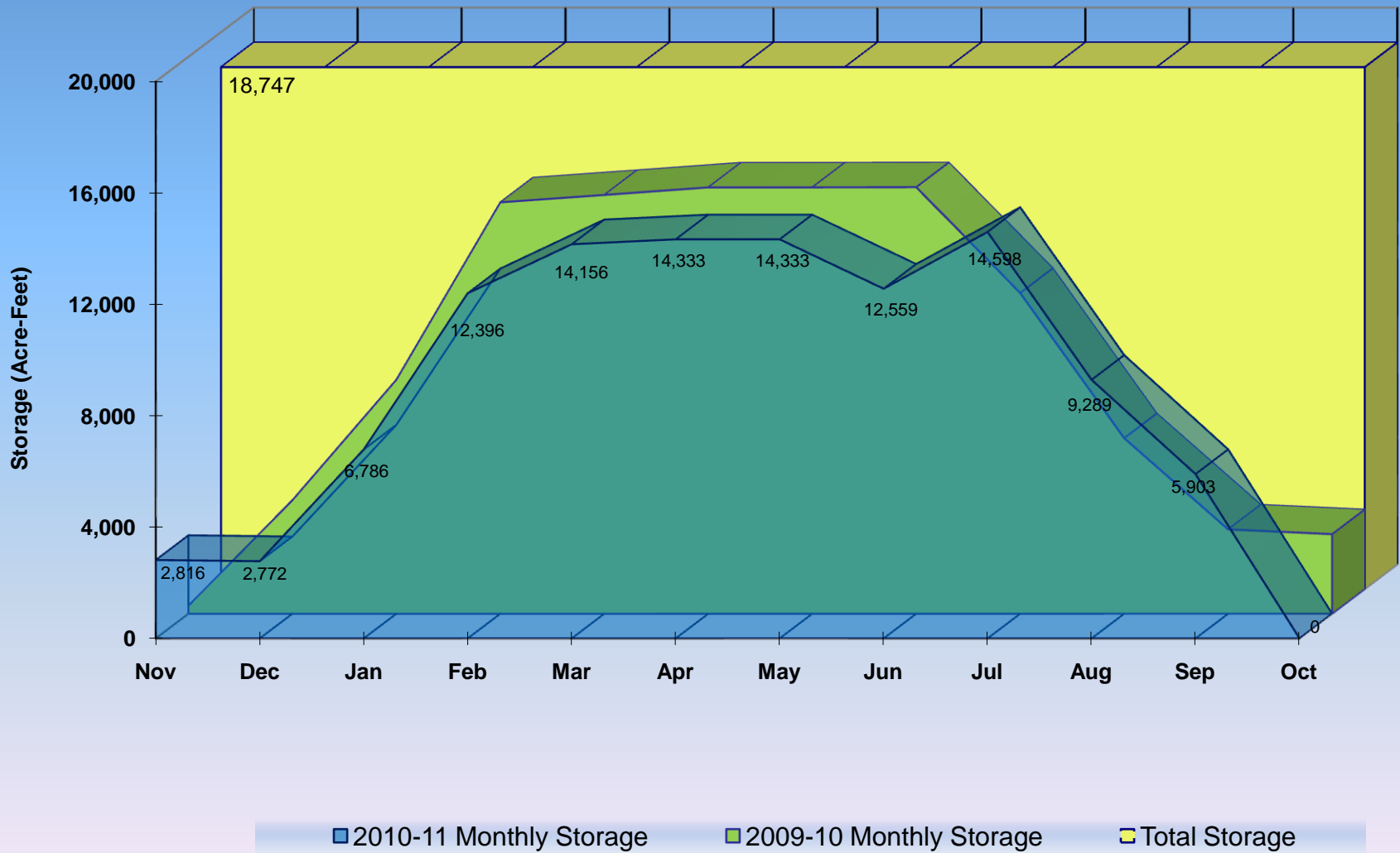
Windsor Reservoir (District 3, Poudre River - Agricultural)



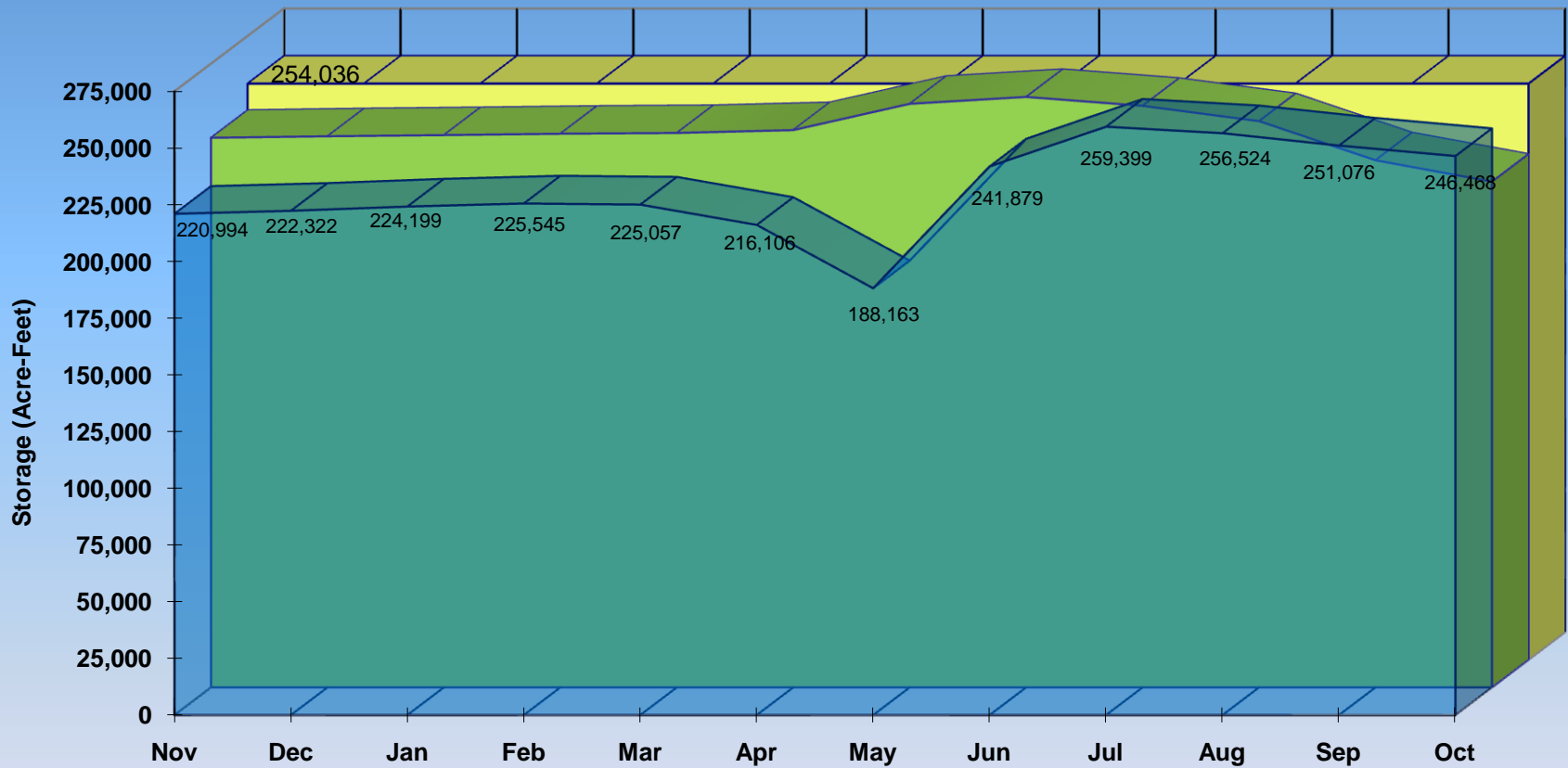
Prospect Reservoir (District 1- Agricultural)



Horse Creek Reservoir (District 1 - Agricultural)



Dillon Reservoir (Municipal)

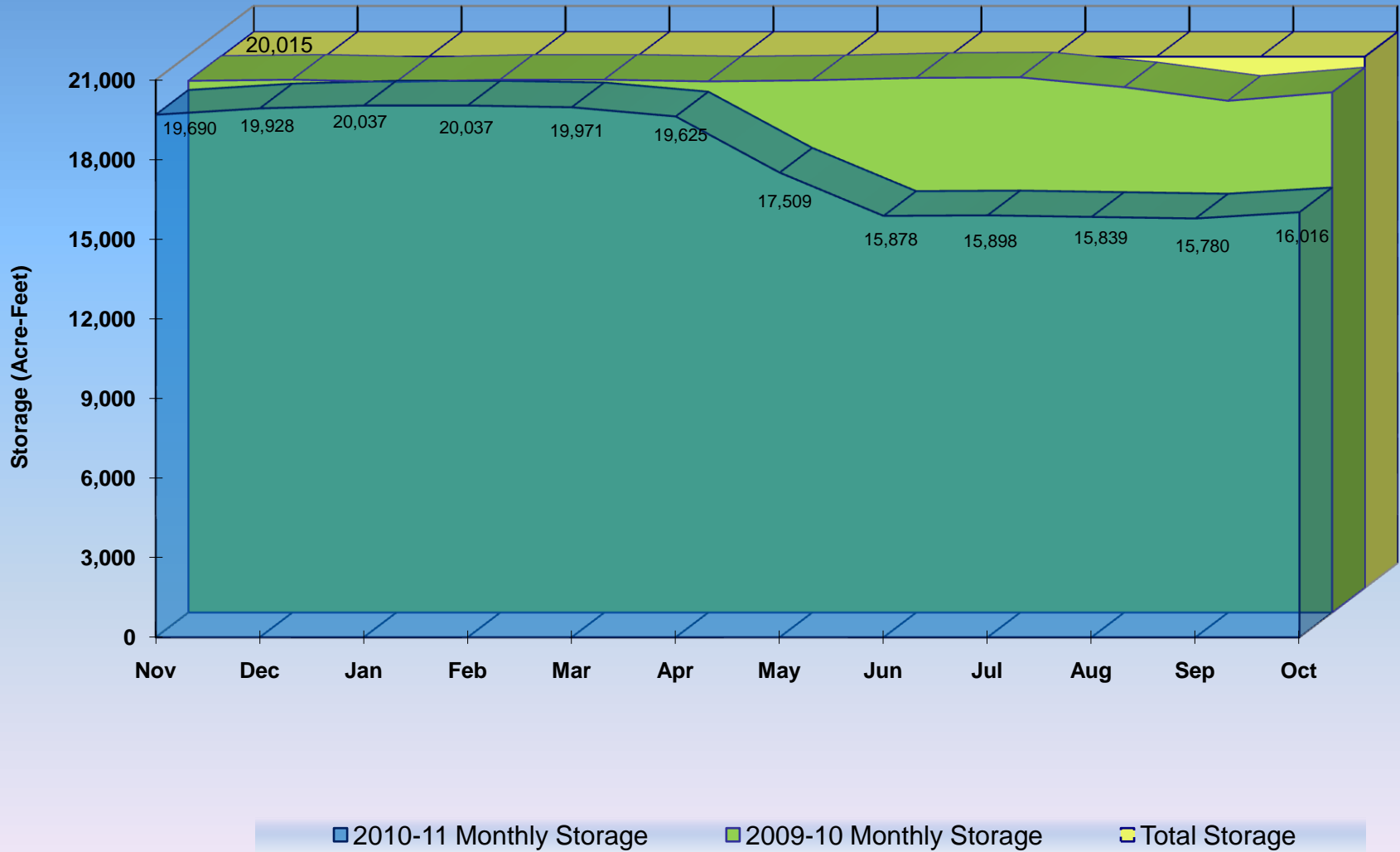


2010-11 Monthly Storage

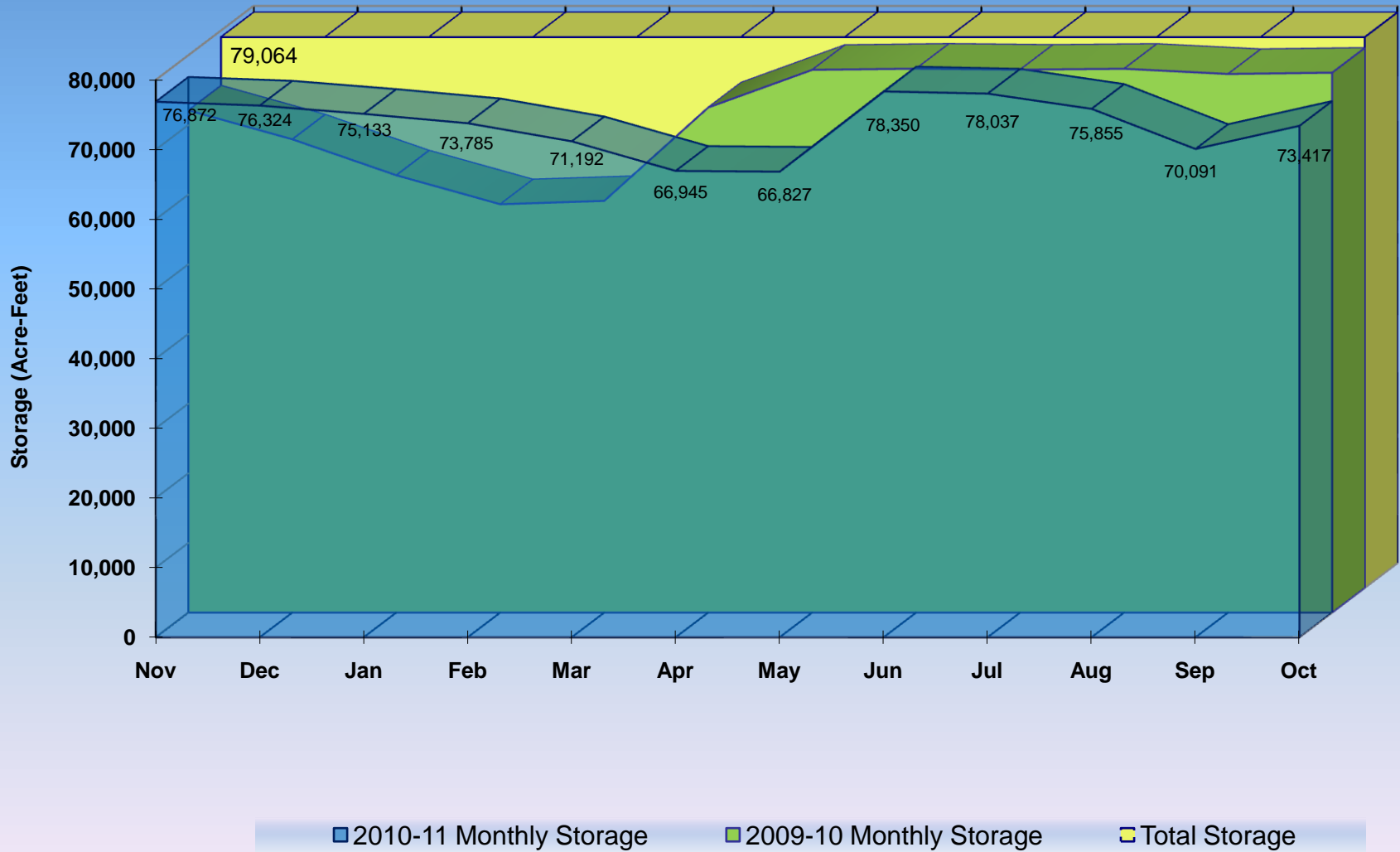
2009-10 Monthly Storage

Total Storage

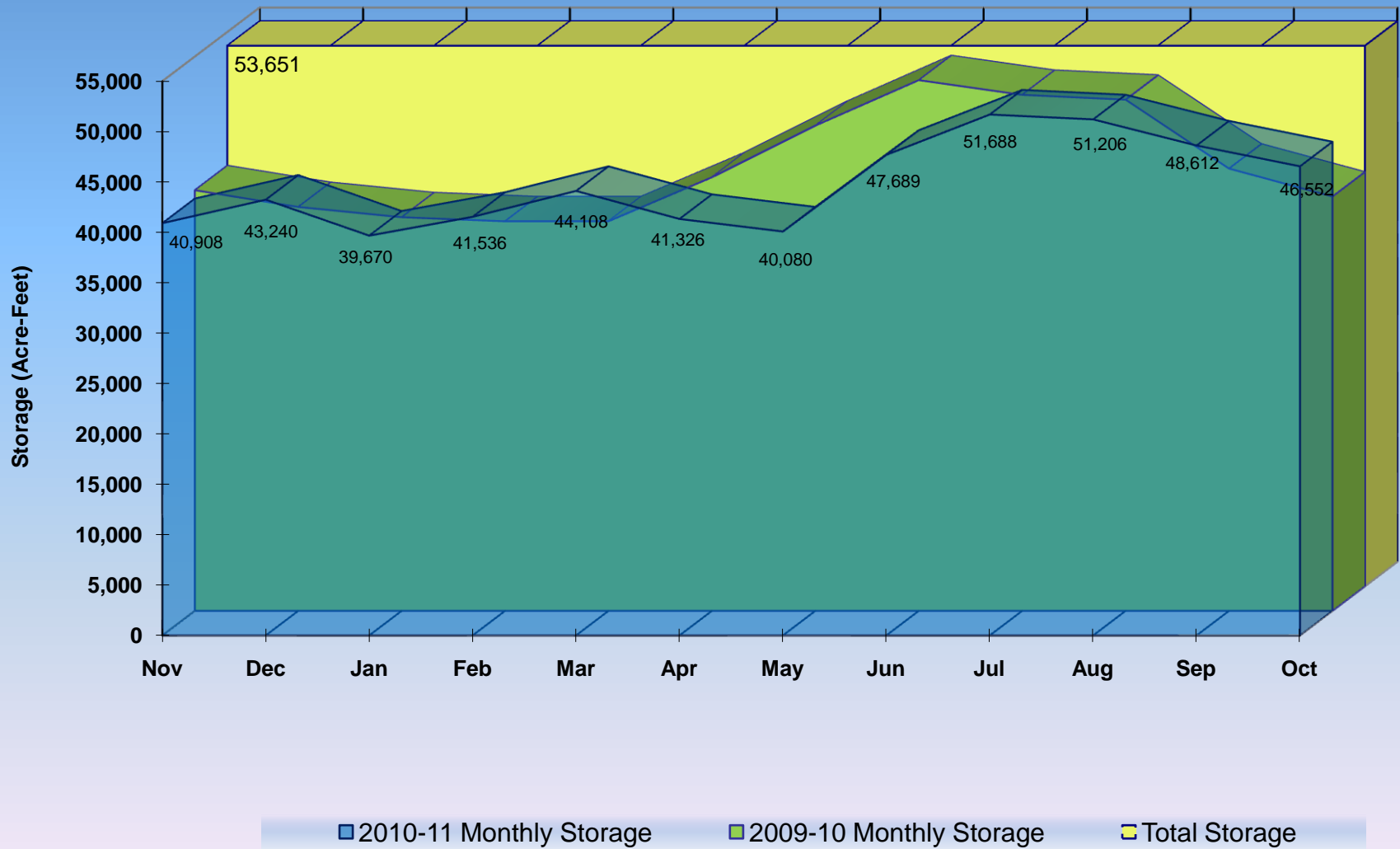
Antero Reservoir (District 23 - Municipal)



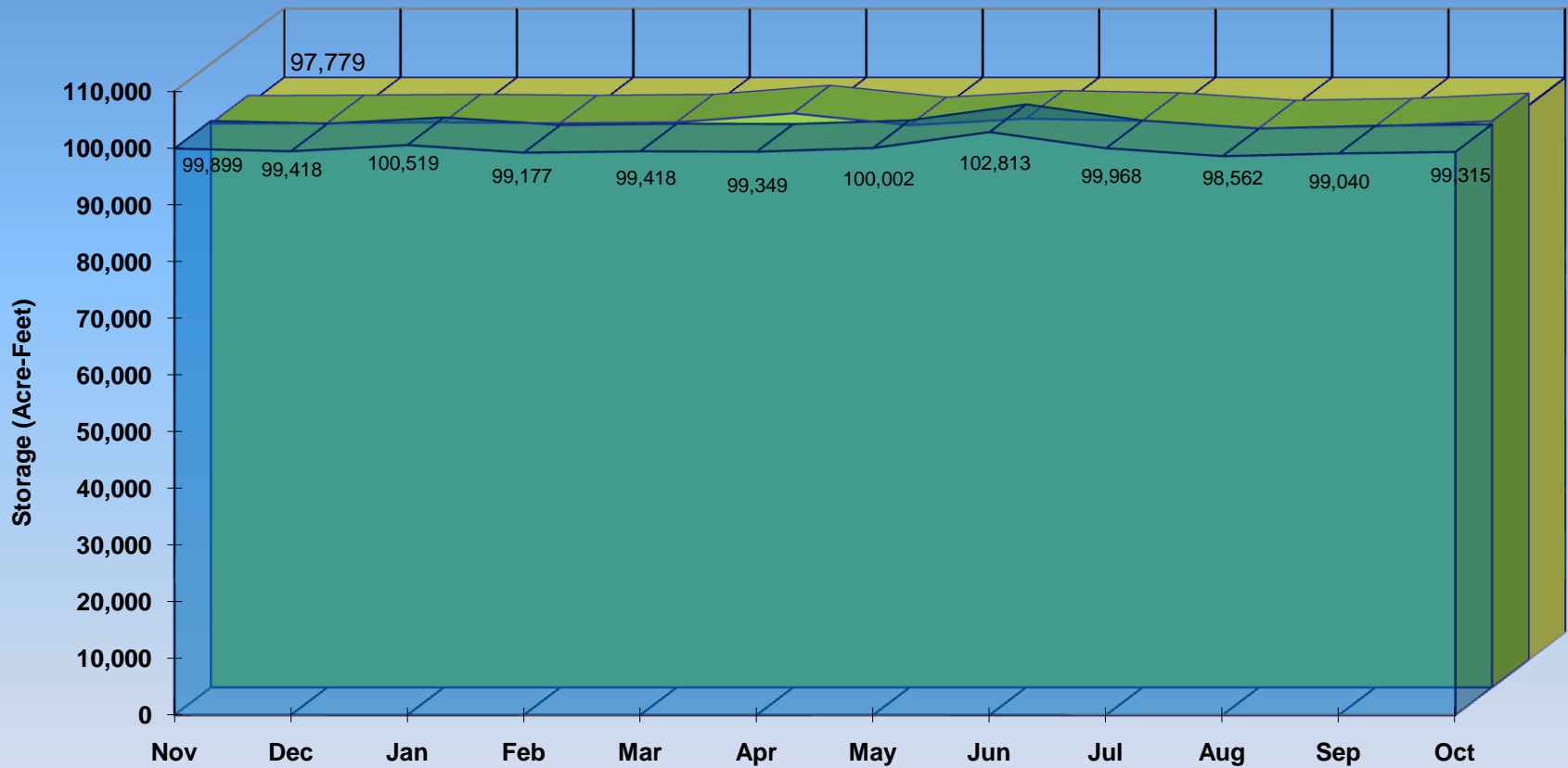
Cheesman Reservoir (District 80 - Municipal)



Spinney Mountain Reservoir (District 23 - Municipal)

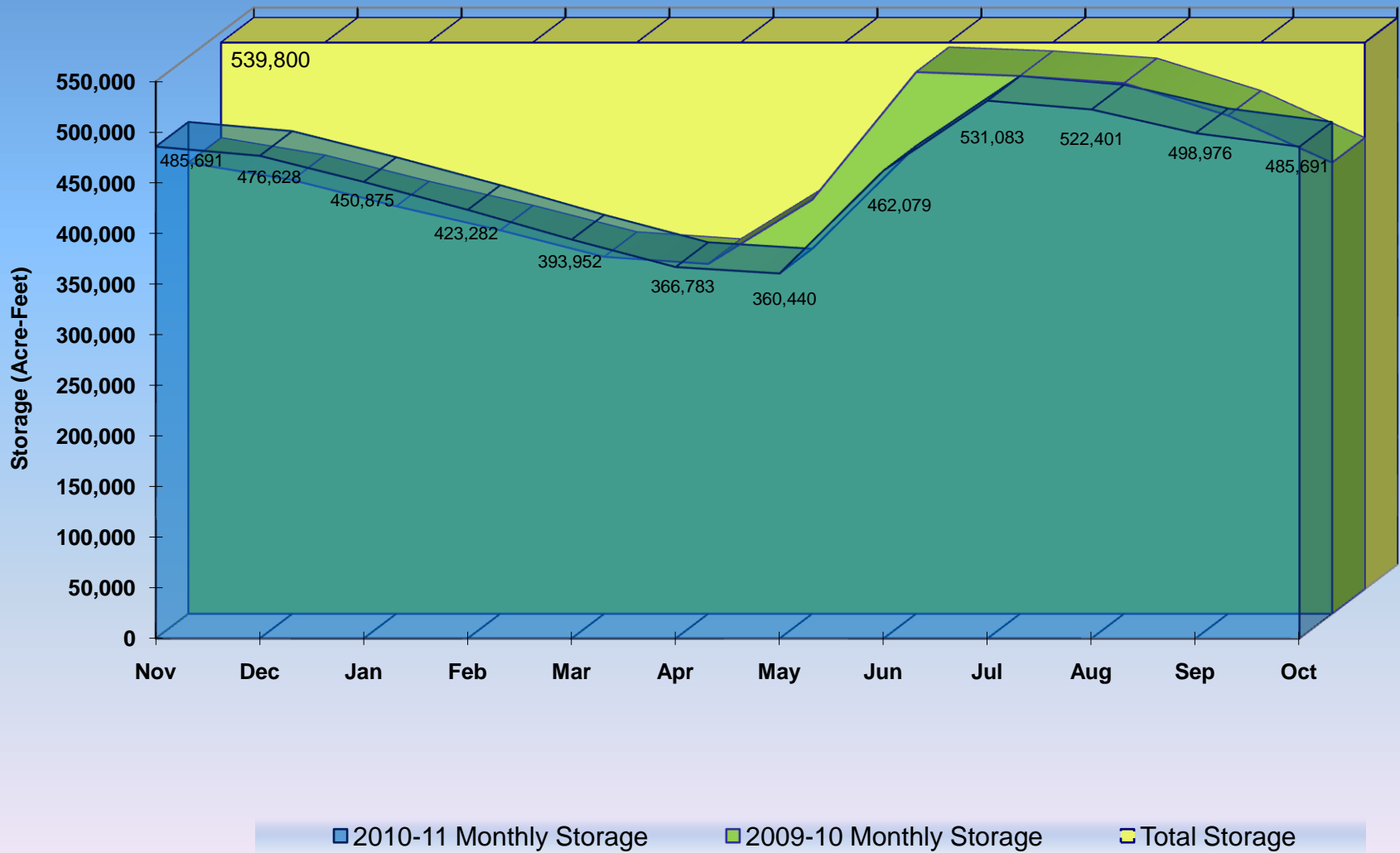


Eleven Mile Reservoir (District 23 - Municipal)



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

Lake Granby



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

