

South Platte Summary

DECEMBER 2010



Compiled by Lee Cuning, P.E.



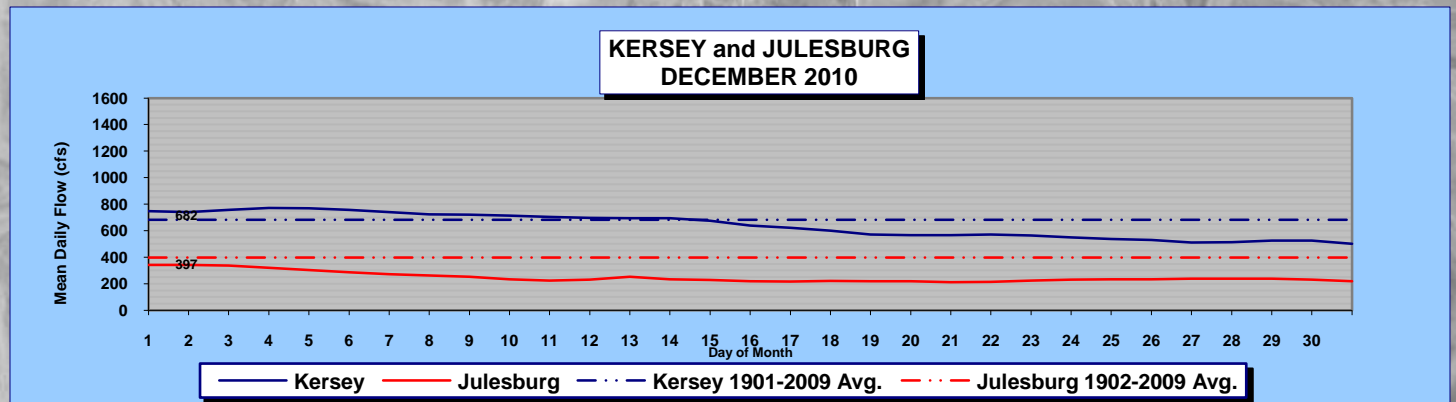
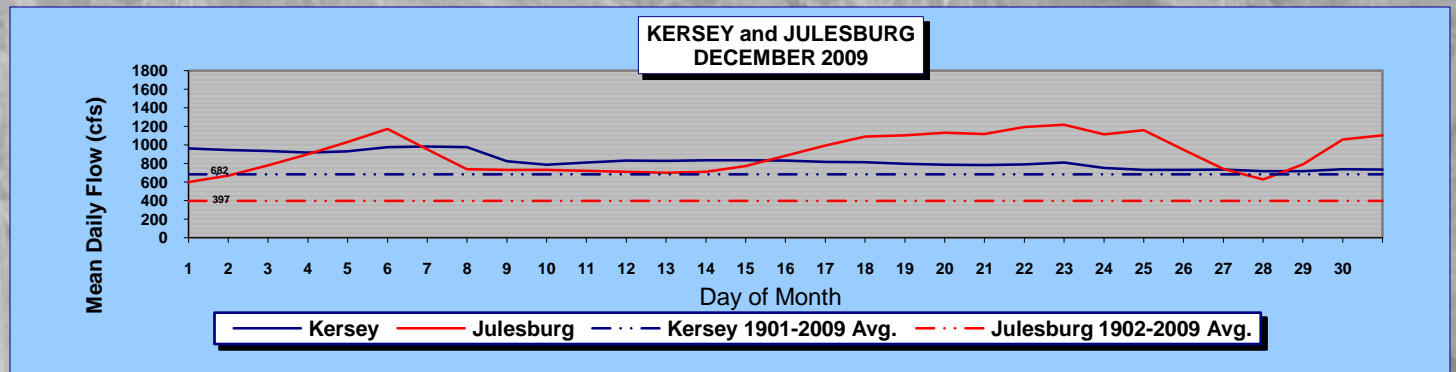
Photo By Russell Stroud

COLORADO DIVISION OF WATER RESOURCES, DIVISION 1

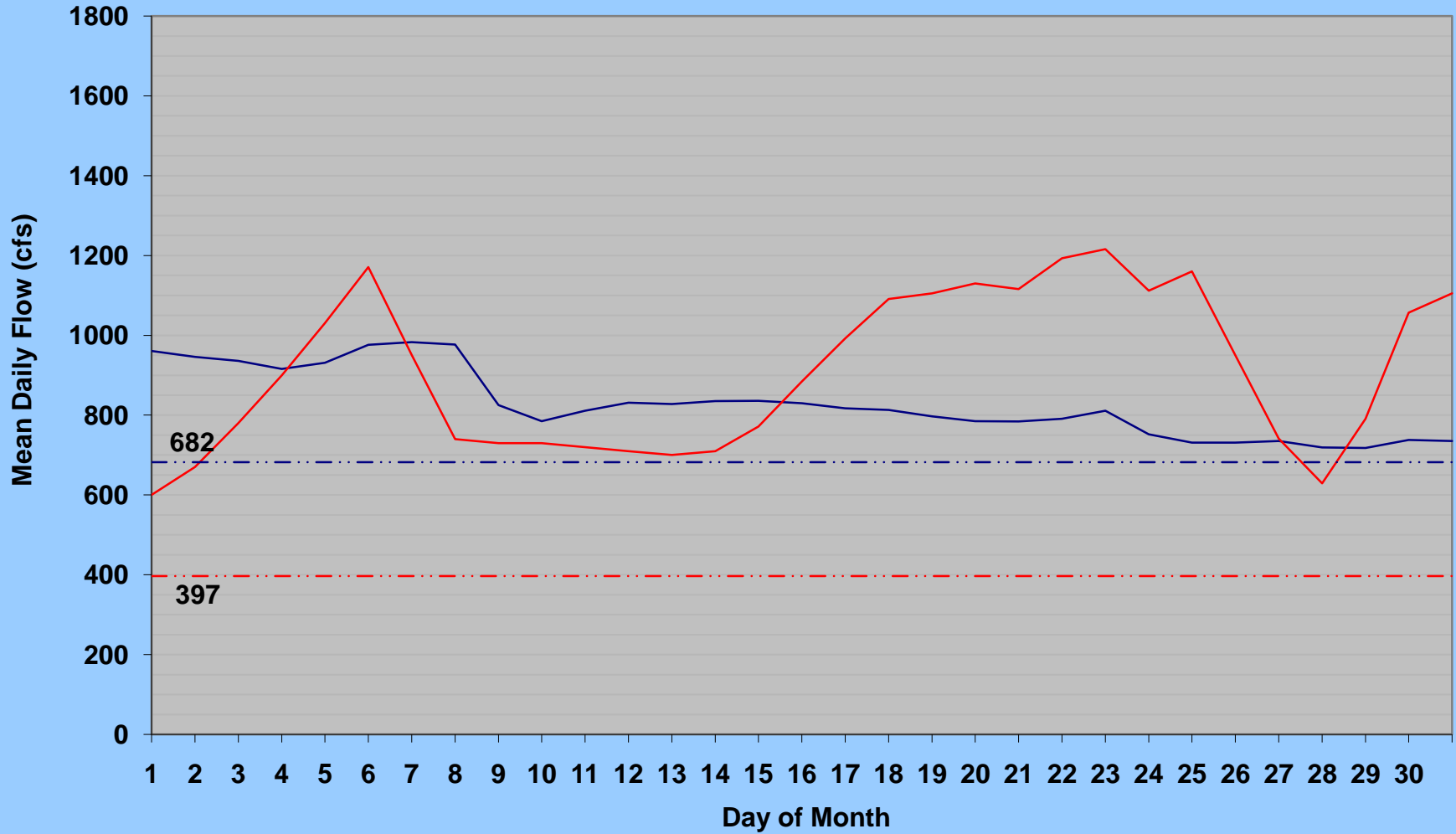
MONTH OF DECEMBER 2010

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	18,824	64	139	1%	83%	72%	0
N STERLING	73,730	39,511	55,377	64	15,866	40%	75%	65%	0
PREWITT	28,500	17,602	18,818	64	1,216	7%	66%	72%	0
JACKSON	27,257	20,029	25,321	1	5,292	26%	93%	86%	0
EMPIRE	37,700	23,653	30,683	1	7,030	30%	81%	43%	0
RIVERSIDE	63,113	41,941	52,322	1	10,381	25%	83%	59%	0
BARR LAKE	31,652	8,620	13,463	2	4,843	56%	43%	74%	0
CHEESMAN	79,064	76,872	76,324	80	-548	-1%	97%	86%	0
ELEVEN MILE	97,779	99,899	99,418	23	-481	0%	100%	100%	1,639
SPINNEY	53,651	40,908	43,240	23	2,332	6%	81%	75%	0
ANTERO	20,015	19,690	19,928	23	238	1%	100%	100%	0

RIVER GAGES	MEAN DAILY FLOW (CFS)
KERSEY	638
JULESBURG	249
THIS MONTH LAST YEAR	
KERSEY	828
JULESBURG	909
MEAN FOR PERIOD OF RECORD*	
KERSEY	682
JULESBURG	397
* 1901-2009	
1902-2009	

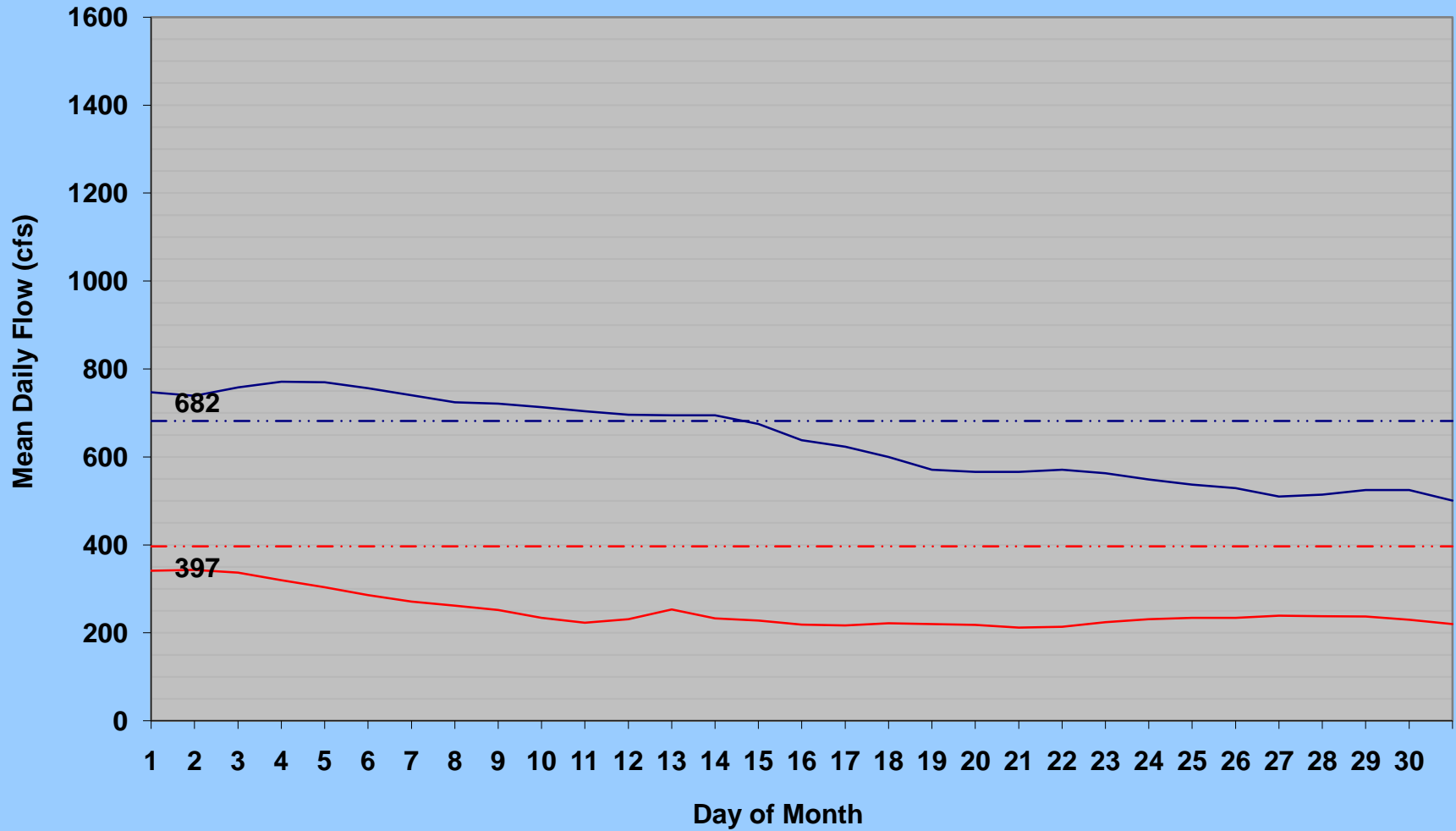


KERSEY and JULESBURG DECEMBER 2009



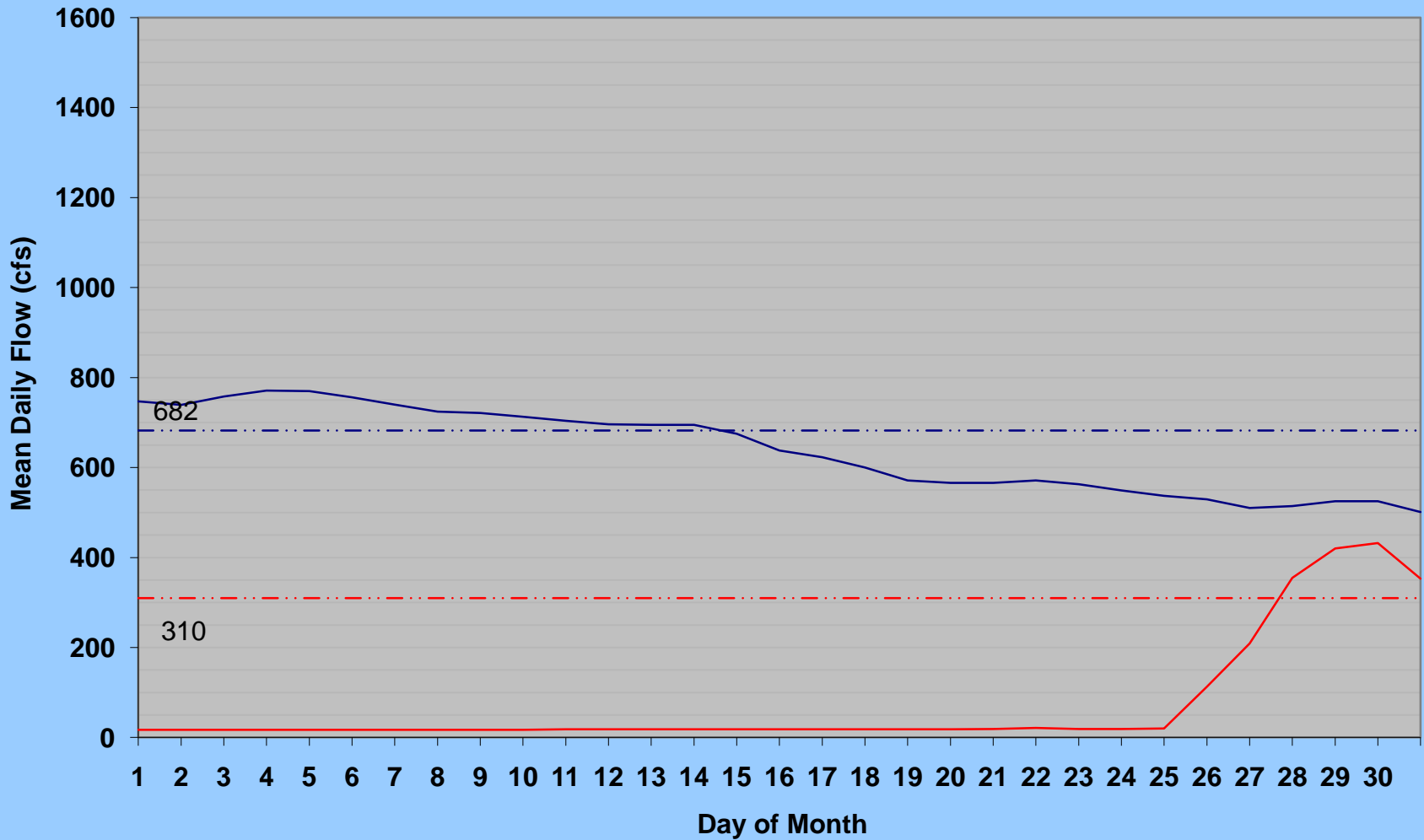
— Kersey — Julesburg - · - Kersey 1901-2009 Avg. - · - Julesburg 1902-2009 Avg.

KERSEY and JULESBURG DECEMBER 2010



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

KERSEY and BALZAC DECEMBER 2010



— Kersey — Balzac - · - Kersey 1901-2009 Avg. - · - Balzac 1917-2004 Avg.

South Platte River Monthly Stream Flow (cfs) Statistics

South Platte River at Kersey

South Platte River at Julesburg

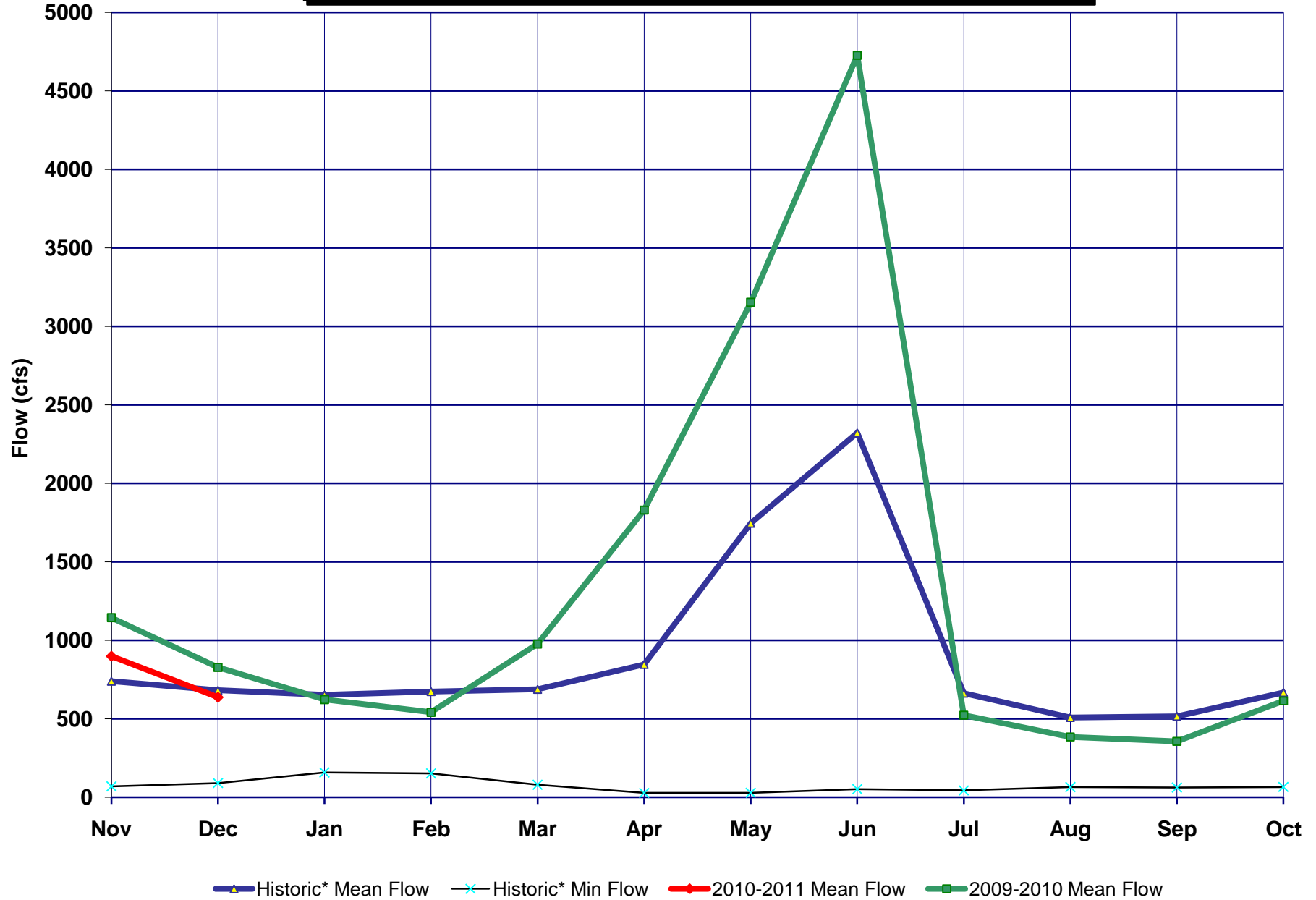
Month	Historic* Mean Flow	Historic* Max Flow	Year	Historic* Min Flow	Year	IY 2011 Mean Monthly Flow	Month	Historic* Mean Flow	Historic* Max Flow	Year	Historic* Min Flow	Year	IY 2011 Mean Monthly Flow
Nov	740	3650	1984	70	1934	888	Nov	335	2900	1984	4.2	1903	186
Dec	682	1890	1961	91	1934	638	Dec	397	1820	1984	13	2002	249
Jan	652	2160	1974	158	1935		Jan	509	2510	1970	21	2003	
Feb	674	3060	1914	152	1935		Feb	582	3220	1930	29	2005	
Mar	688	3470	1983	80	1935		Mar	522	12900	1910	15	1904	
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 1902-2009

*Period of record 1902-2009

South Platte River at Kersey

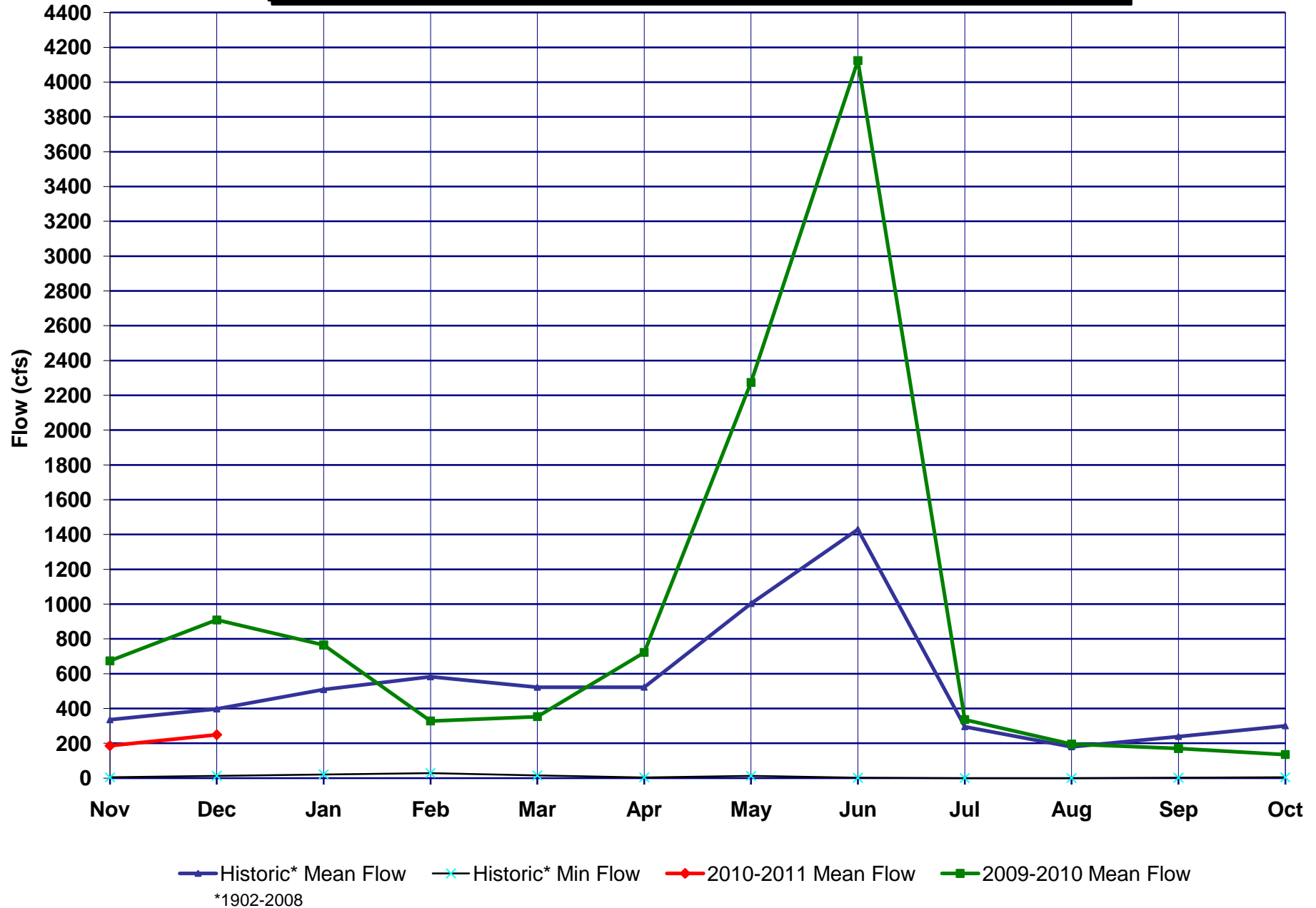
Irrigation Year



*1901-2008

South Platte River at Julesburg

Irrigation Year



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

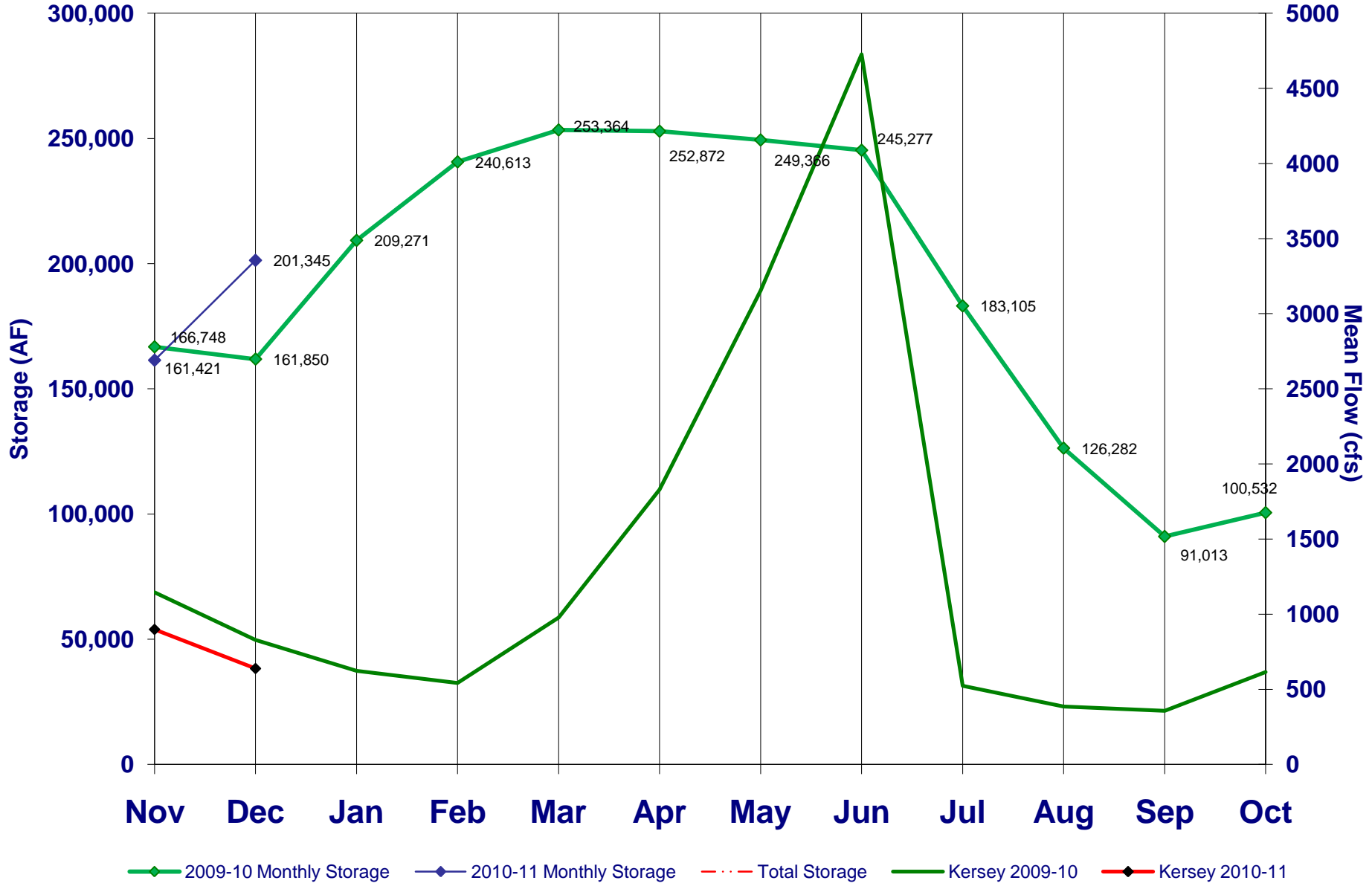


Bald Eagle at Riverside

Photo by Jason Smith

Reservoir Storage below Kersey

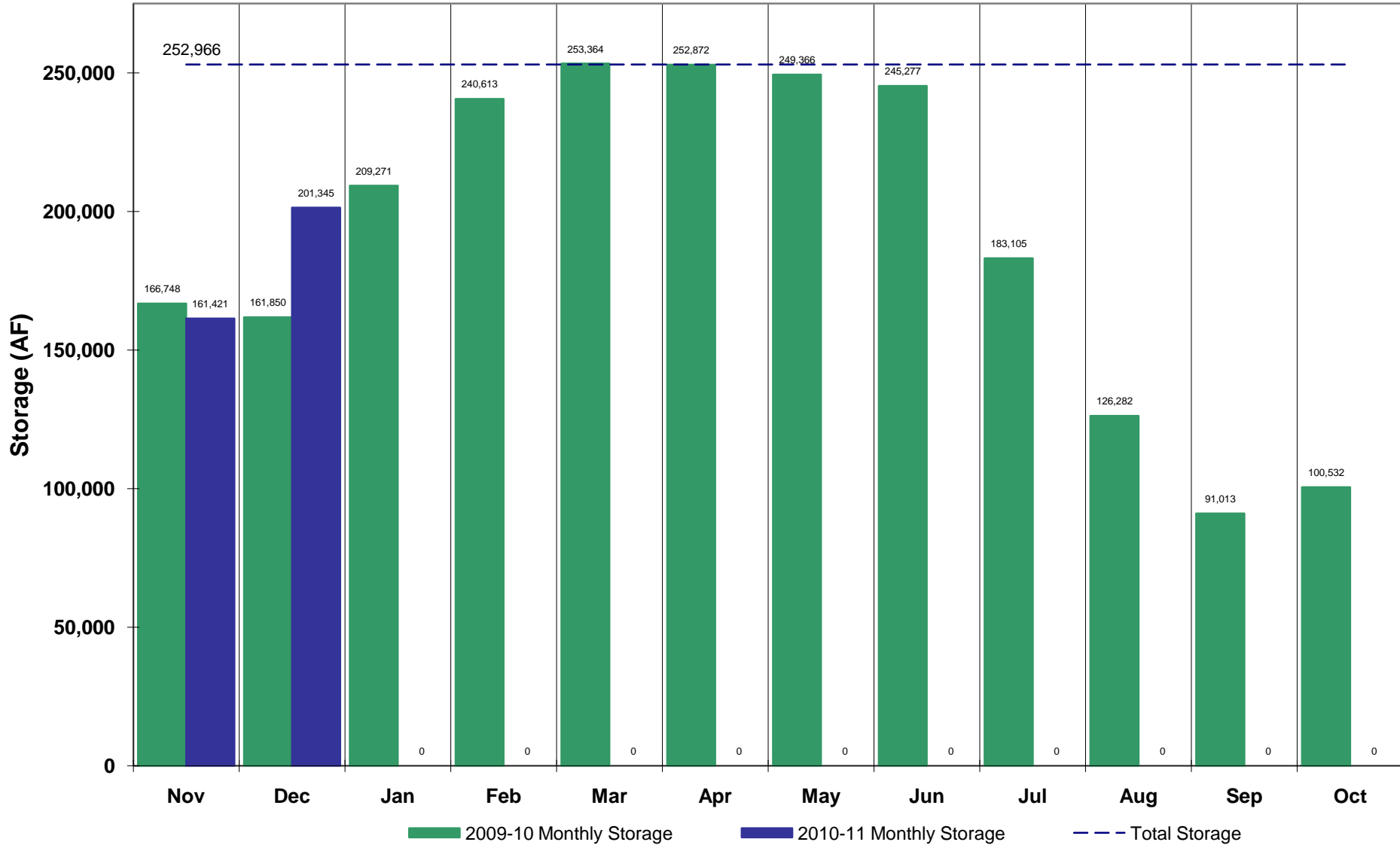
Selected Reservoirs*



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

South Platte Reservoirs

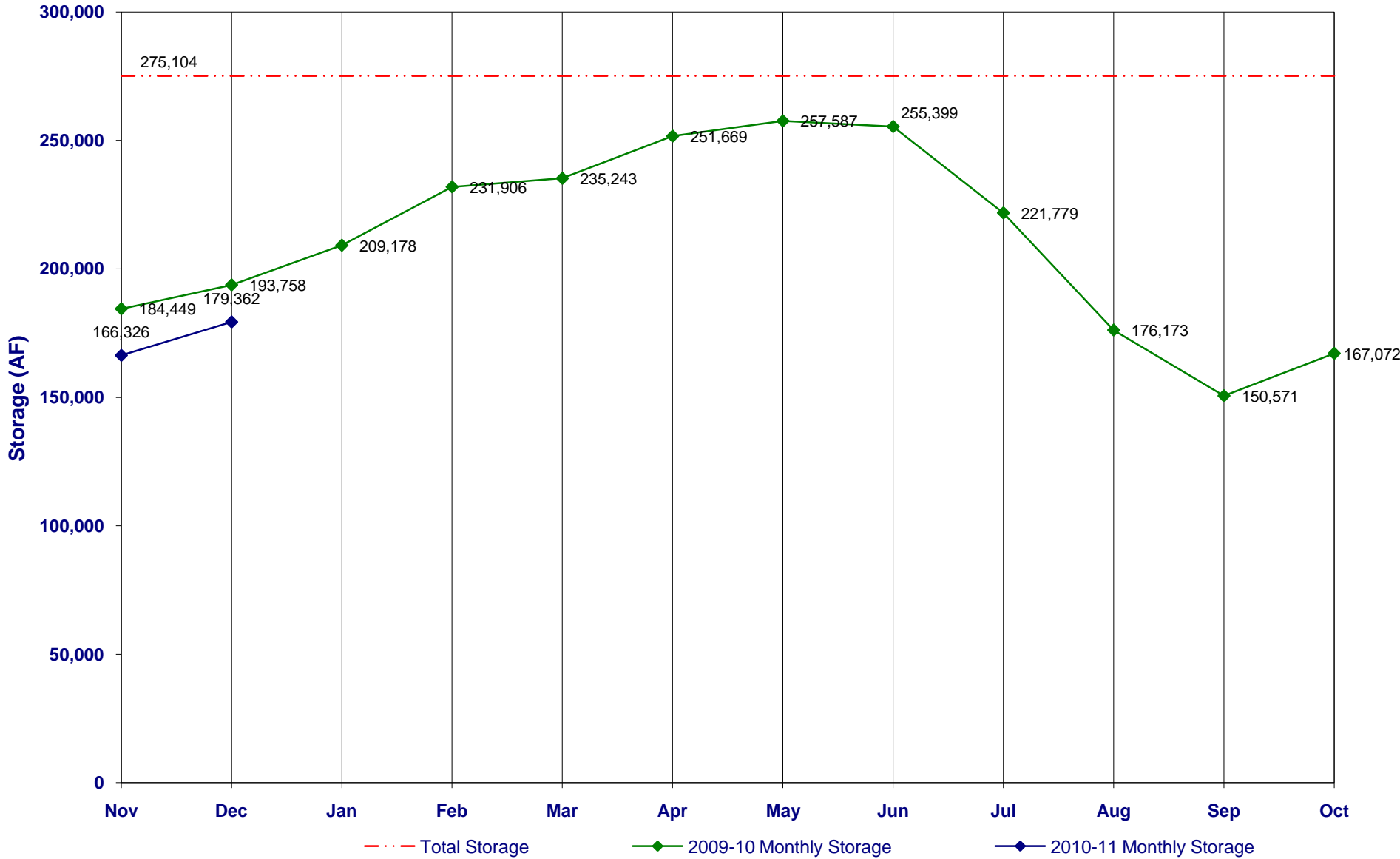
Storage below Kersey*



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

Reservoir Storage above Kersey

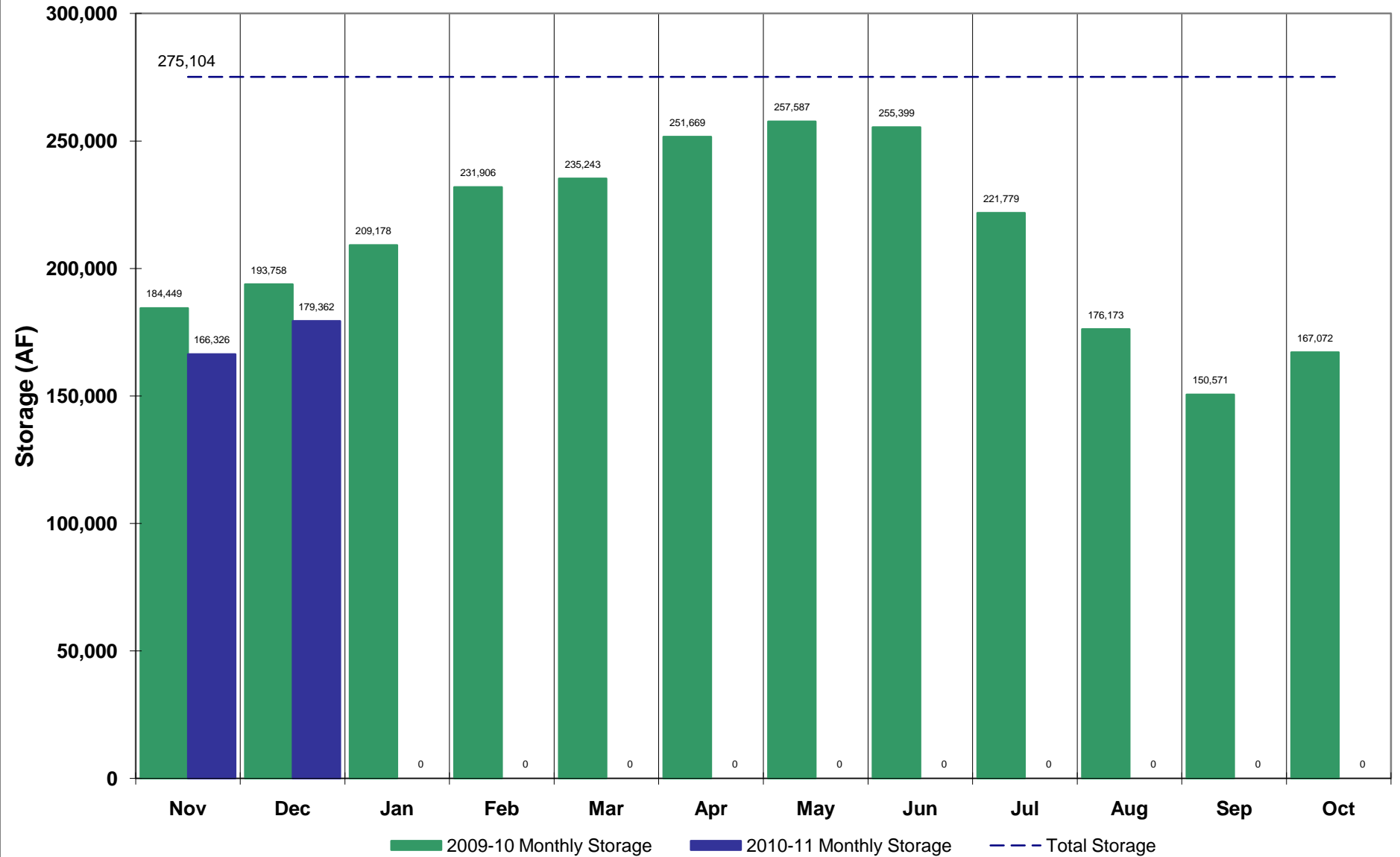
Selected Reservoirs*



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

South Platte Reservoirs

Storage above Kersey*



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

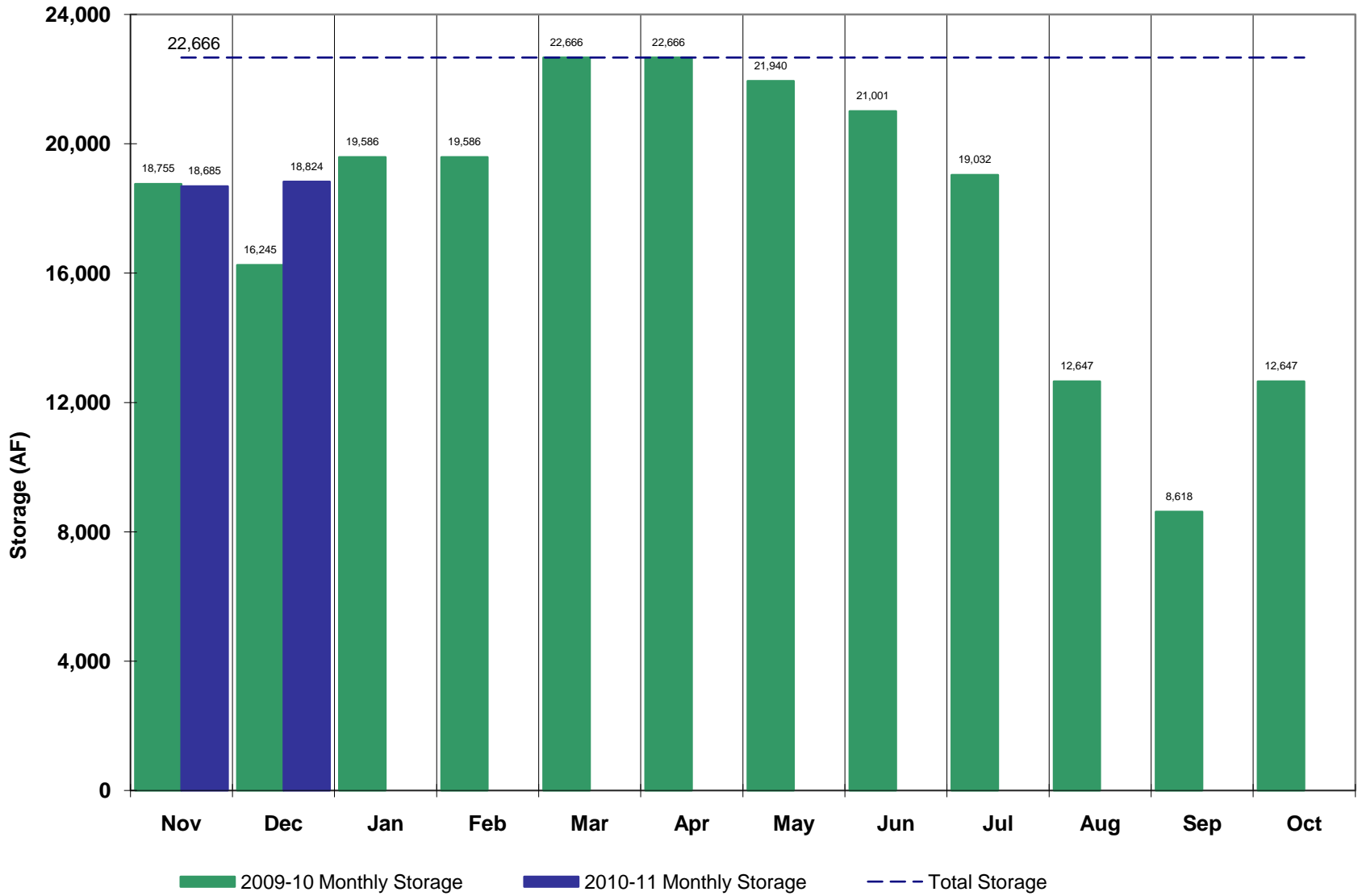
Individual Reservoir Storage Follows



**“Friend” of the
Jackson Diversion
Photo by Jason Smith**

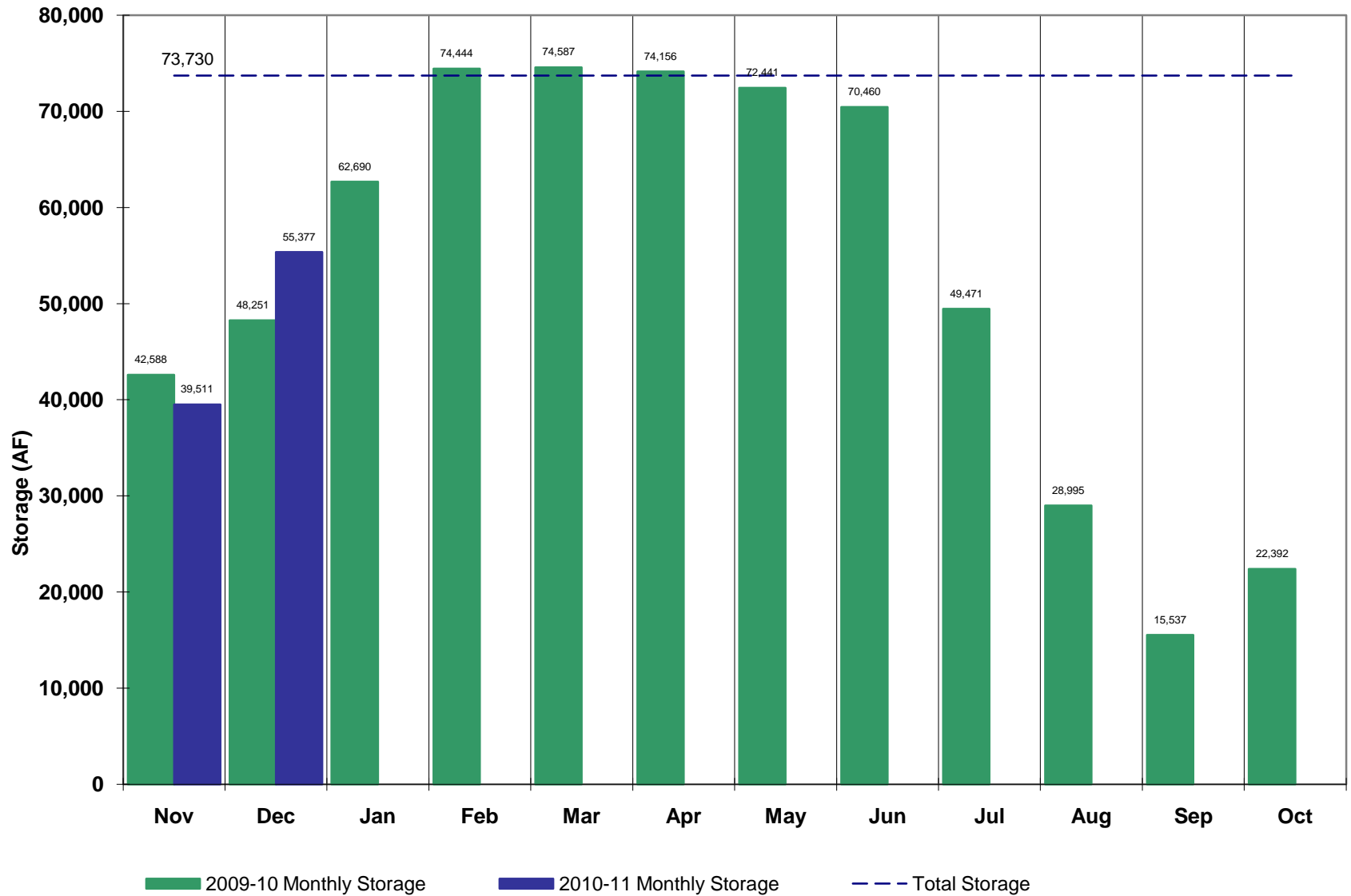
Julesburg Reservoir

(District 64 - Agricultural)



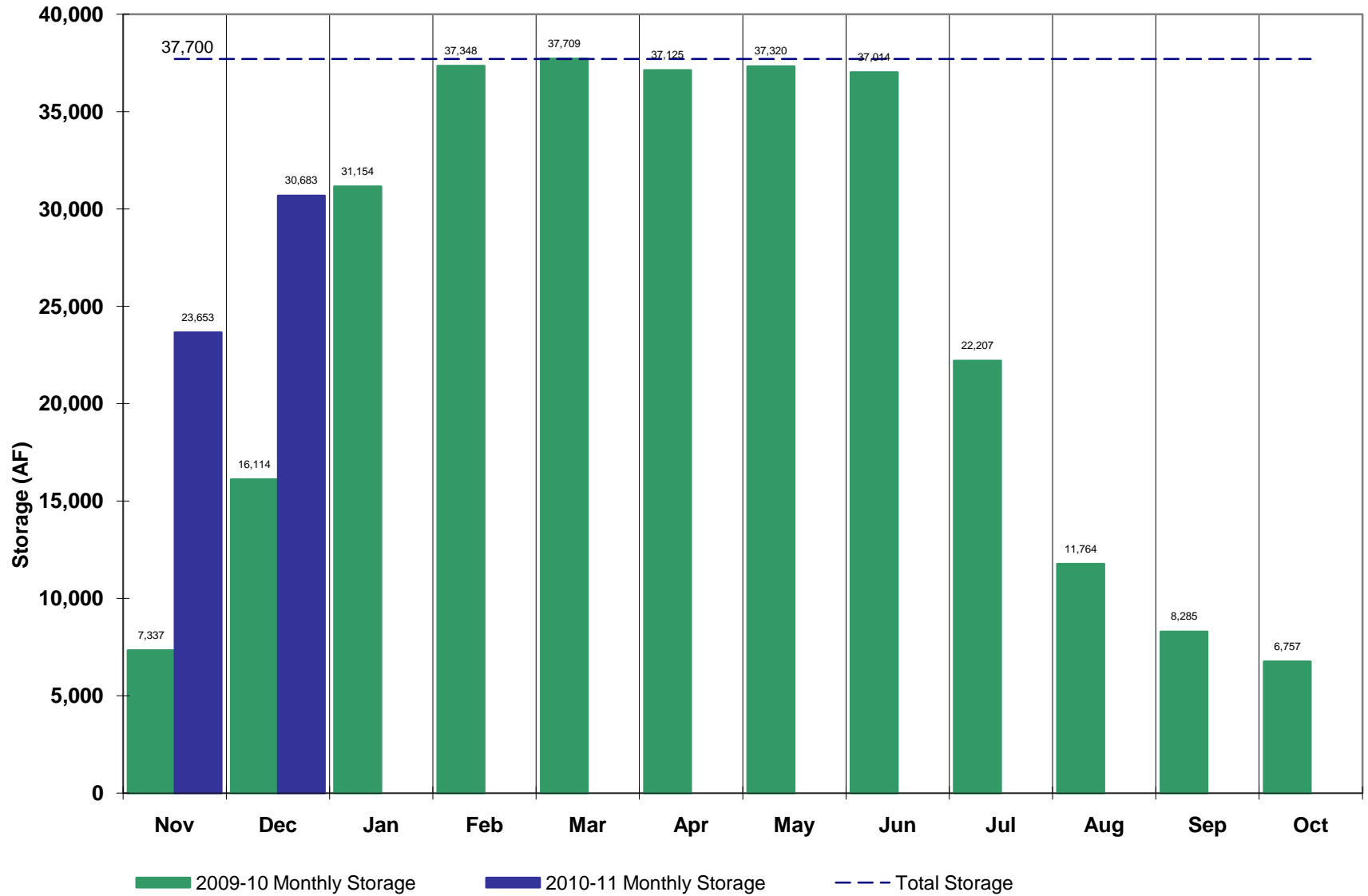
North Sterling Reservoir

(District 64- Agricultural)



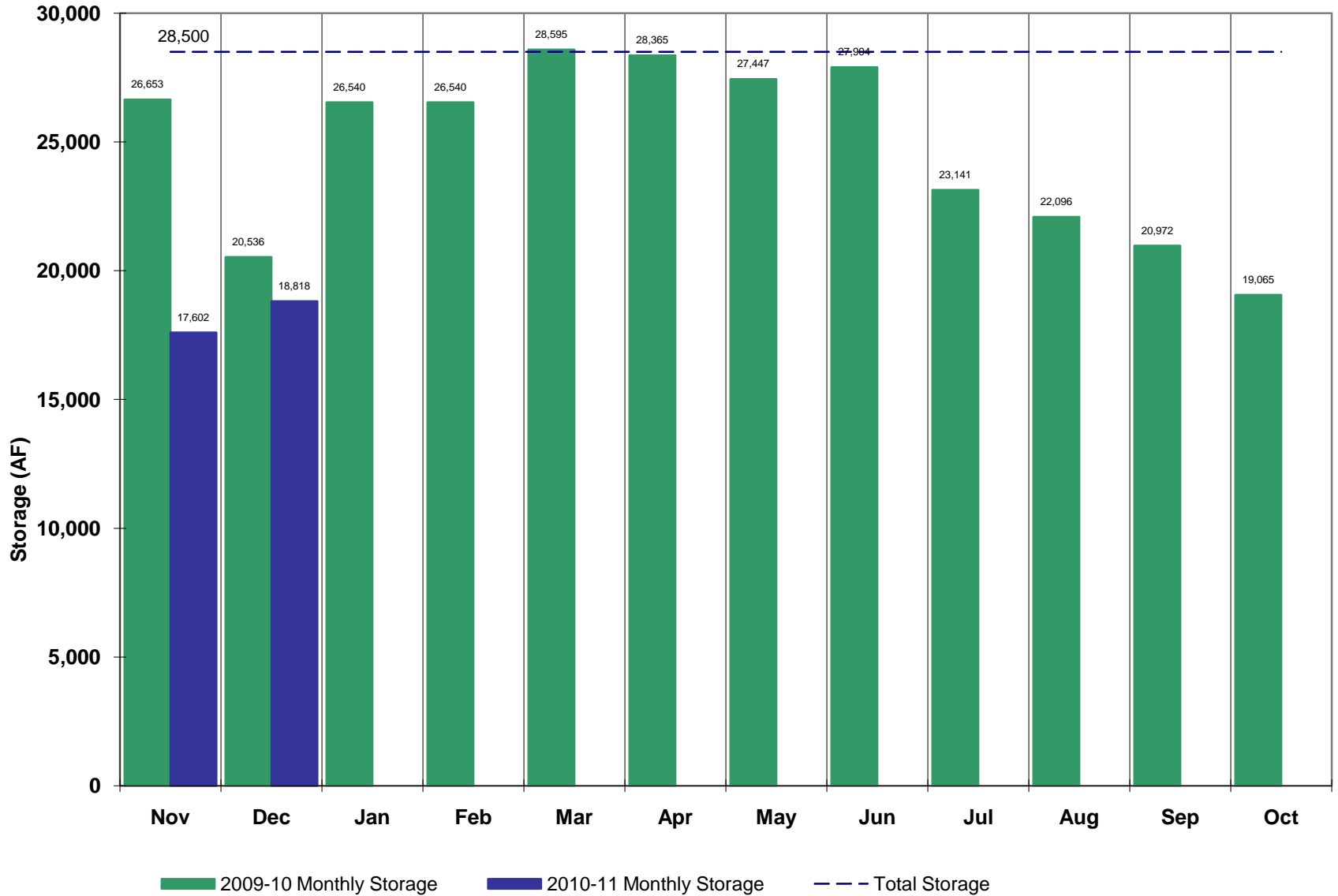
Empire Reservoir

(District 1- Agricultural)



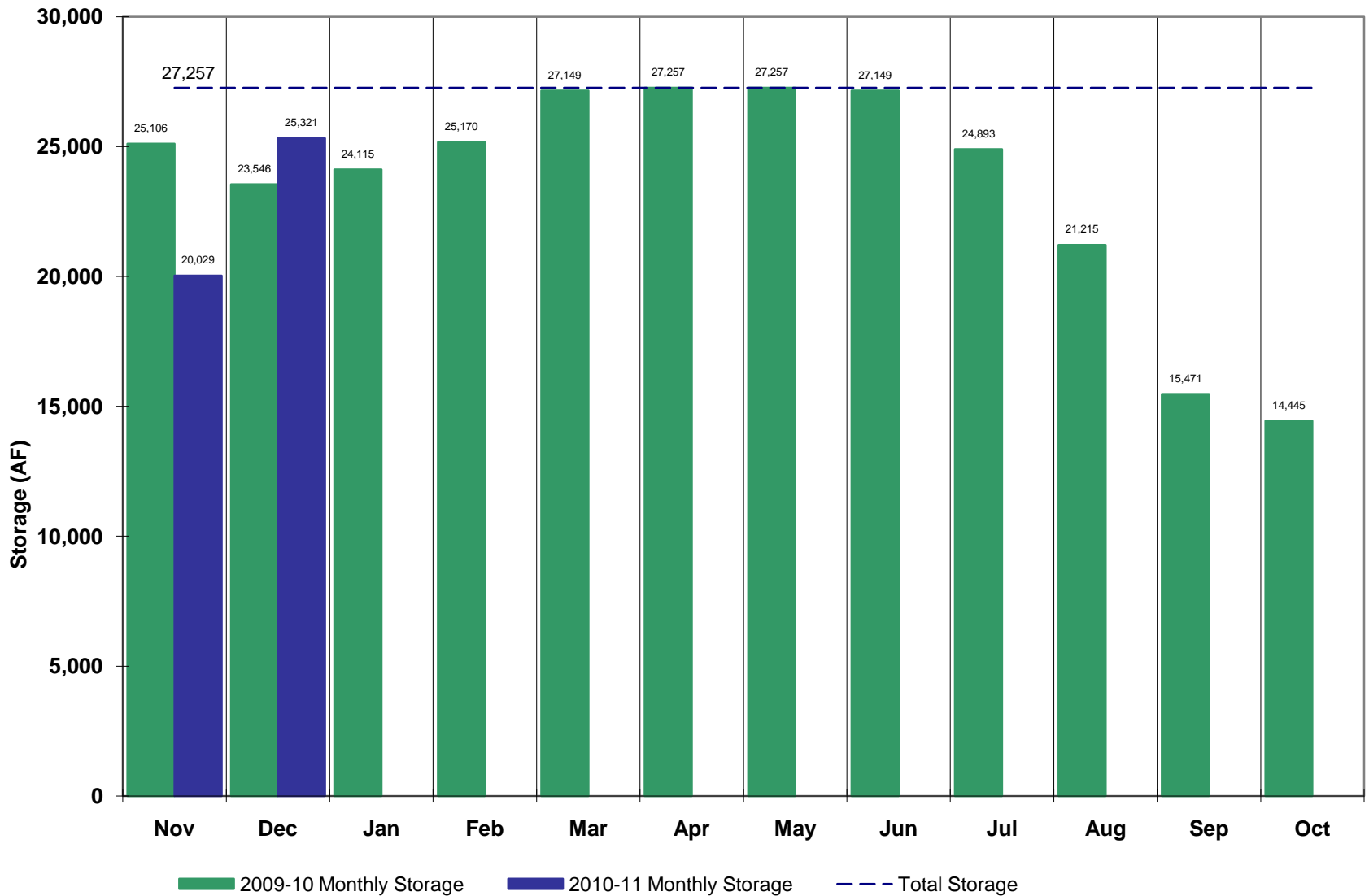
Prewitt Reservoir

(District 64- Agricultural)



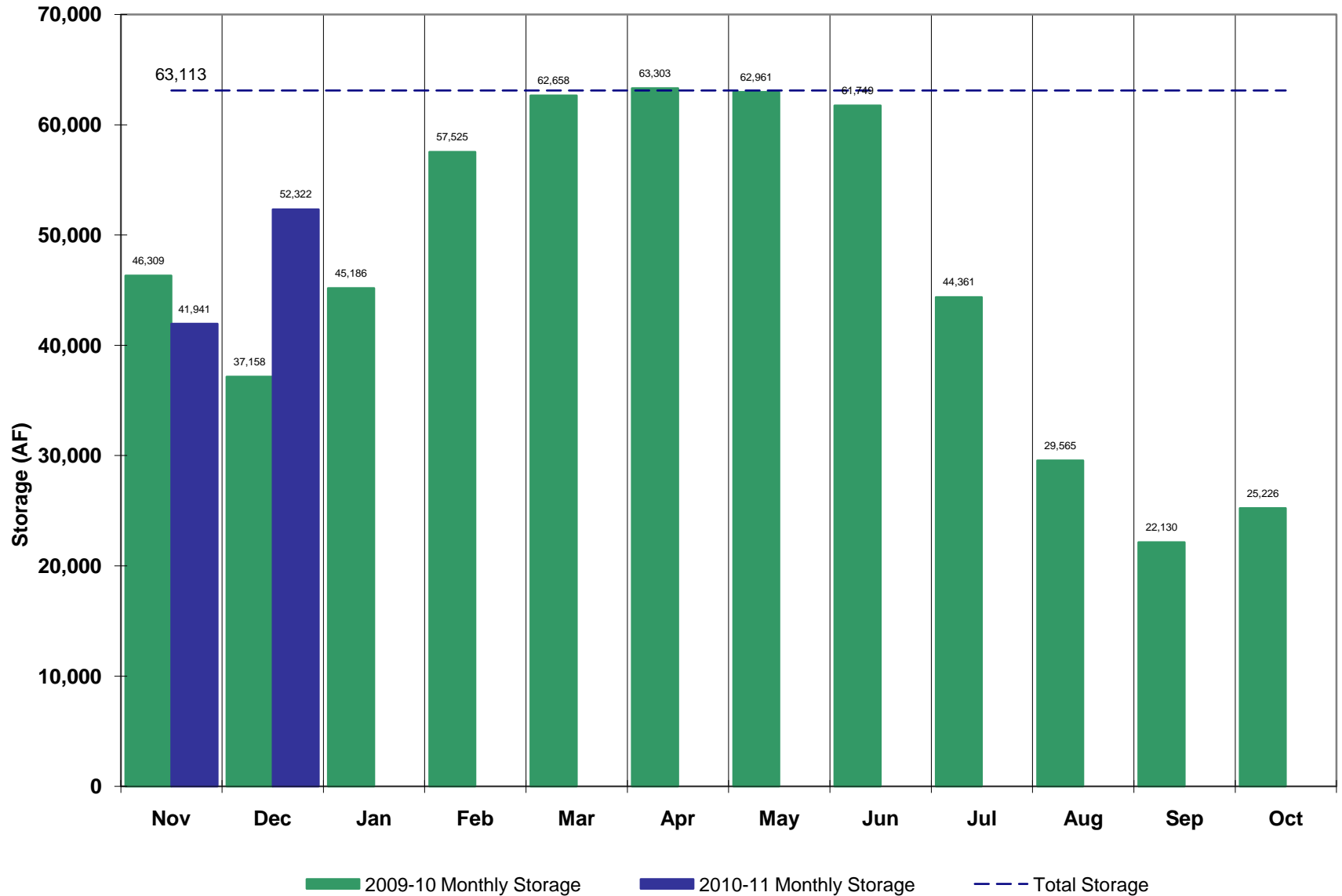
Jackson Reservoir

(District 1- Agricultural)



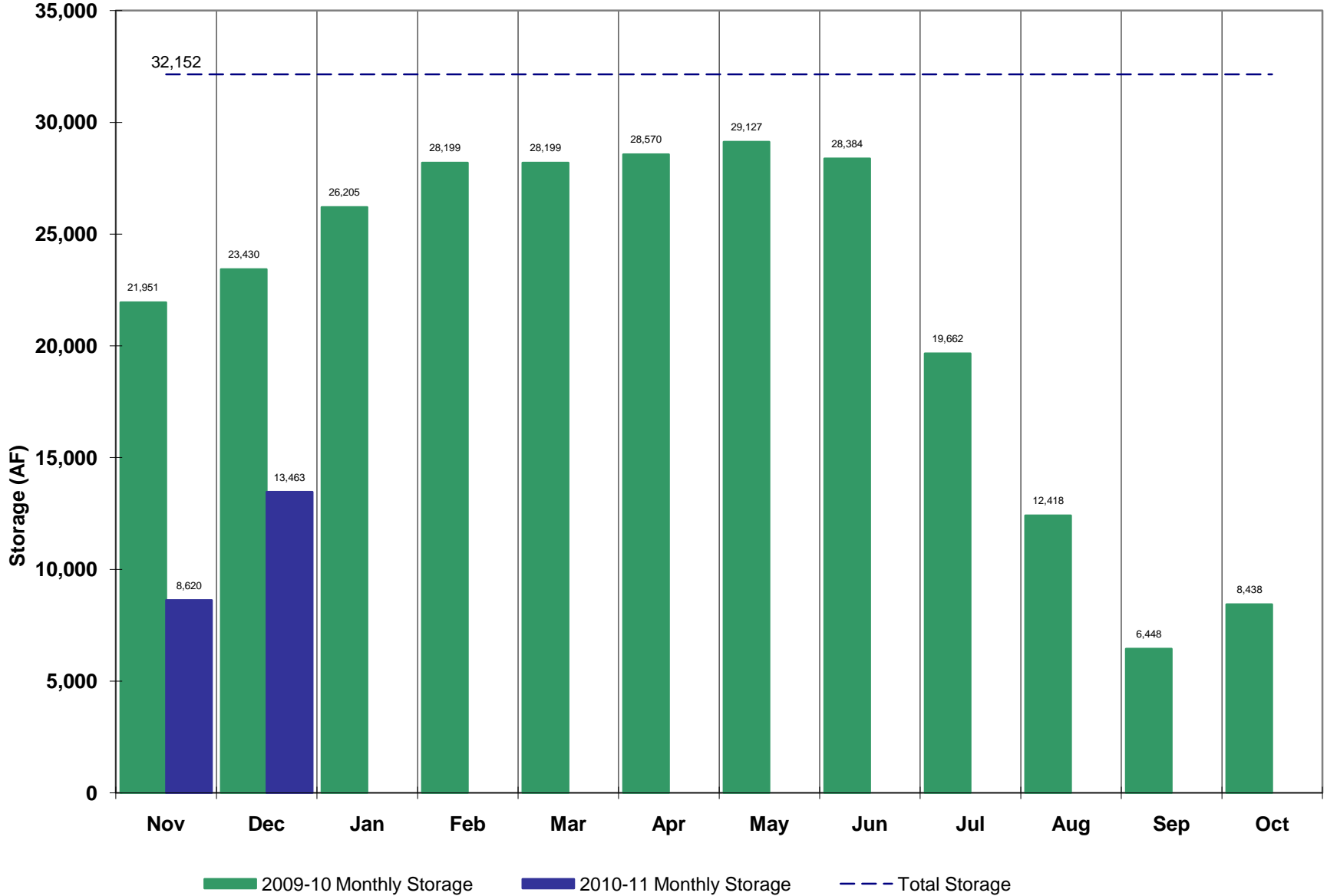
Riverside Reservoir

(District 1 - Agricultural)



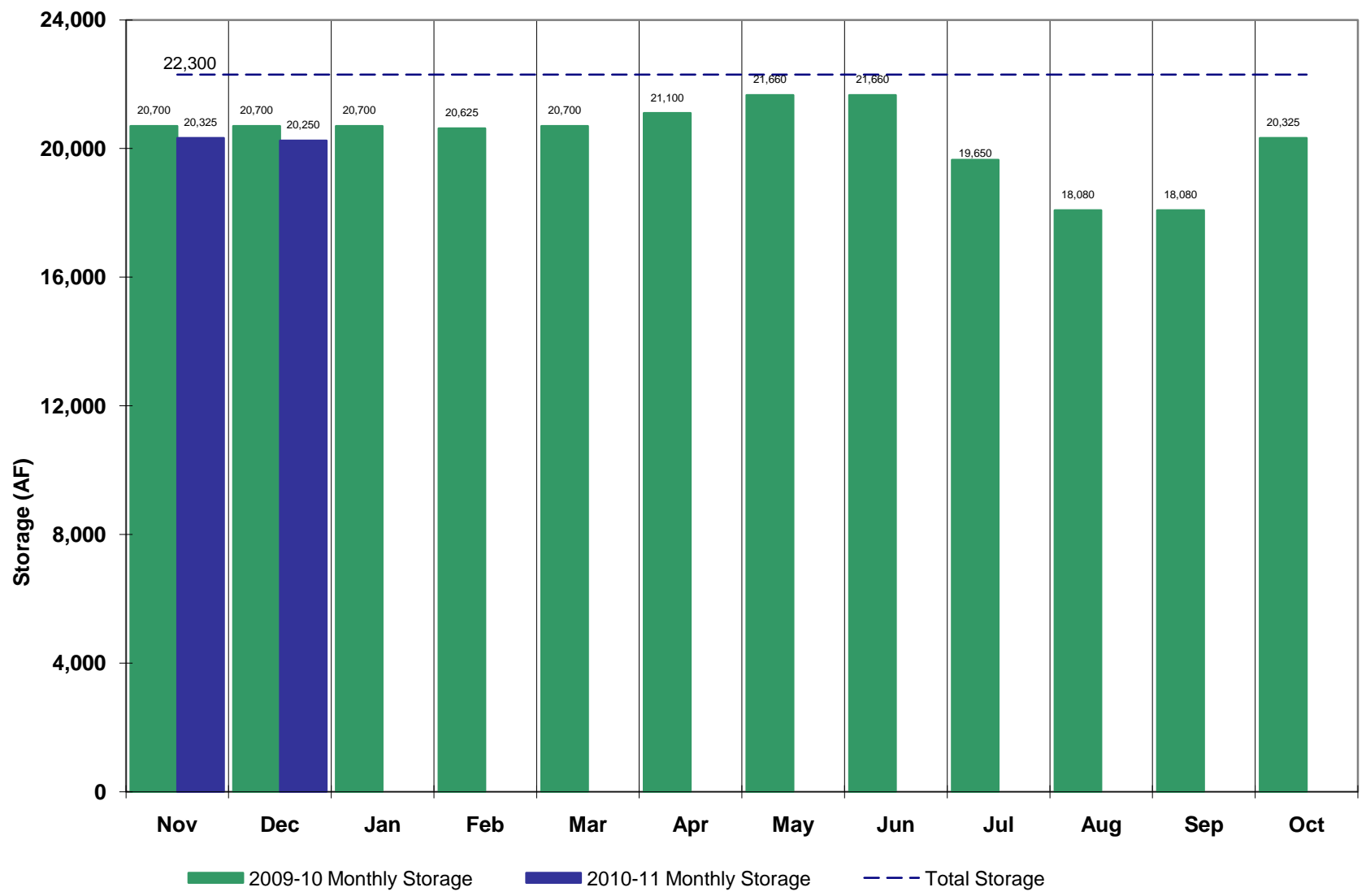
Barr Lake

(District 2 - Agricultural)



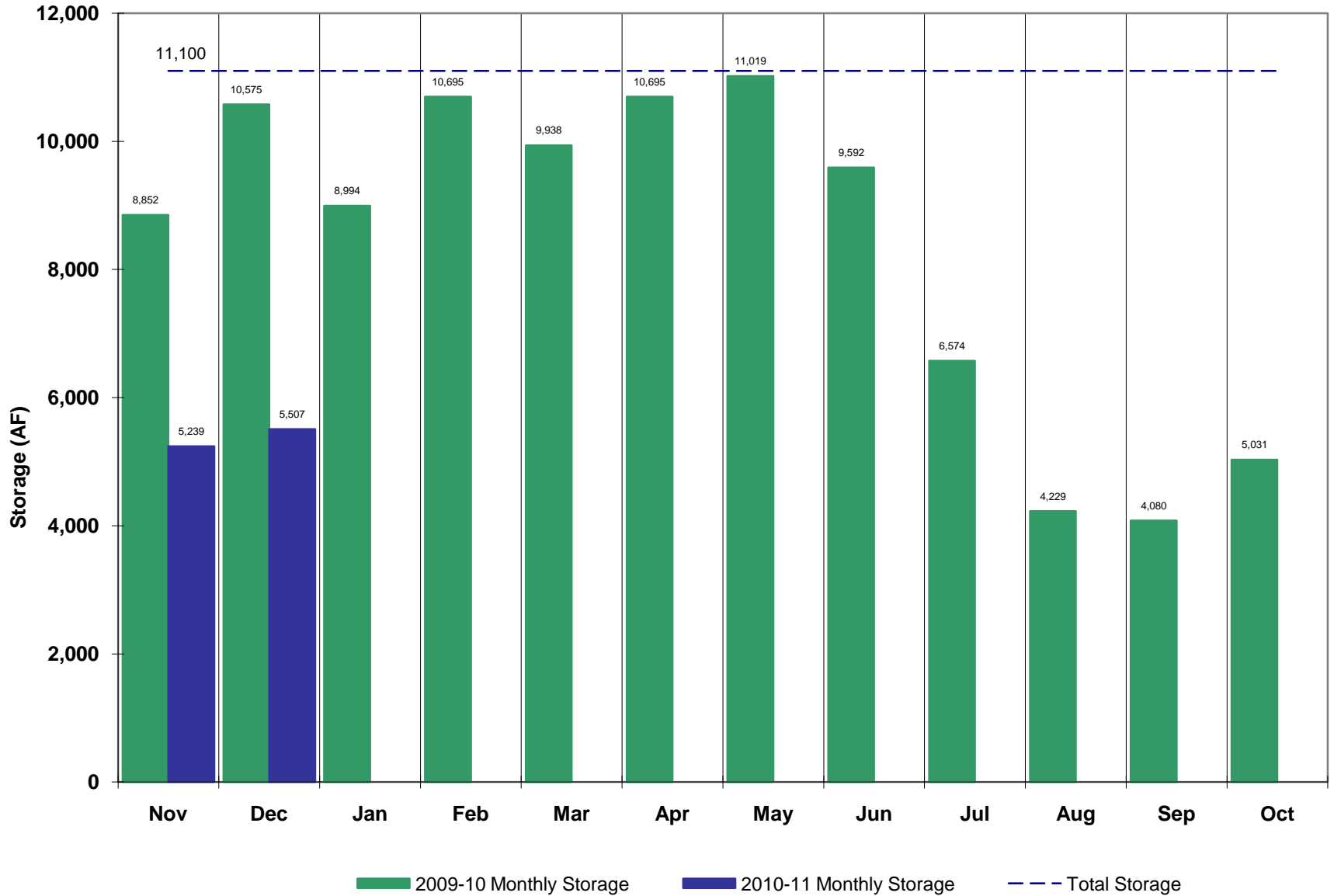
Cobb Lake

(District 3, Poudre River - Agricultural)



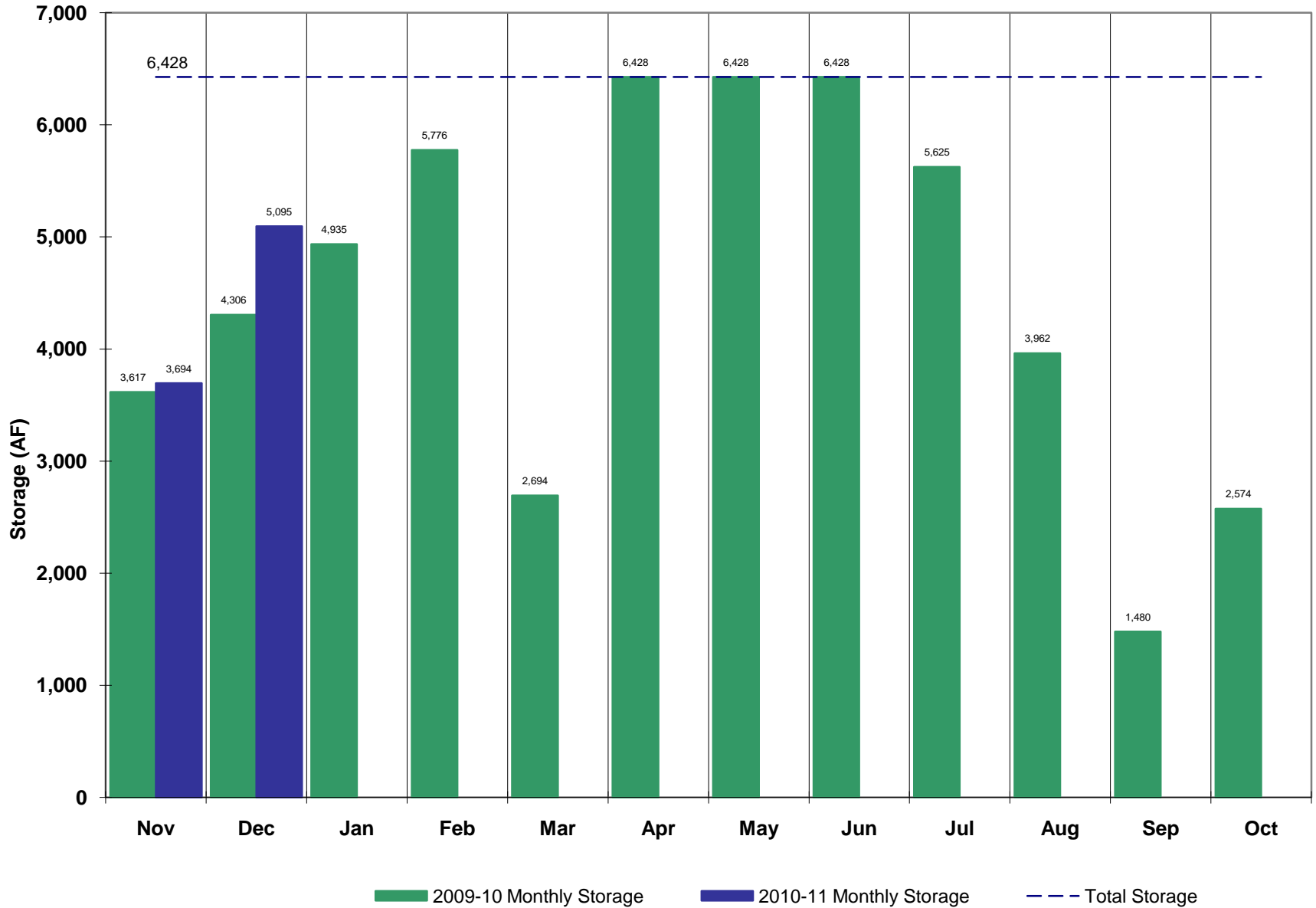
Fossil Creek Reservoir

(District 3, Poudre River - Agricultural)



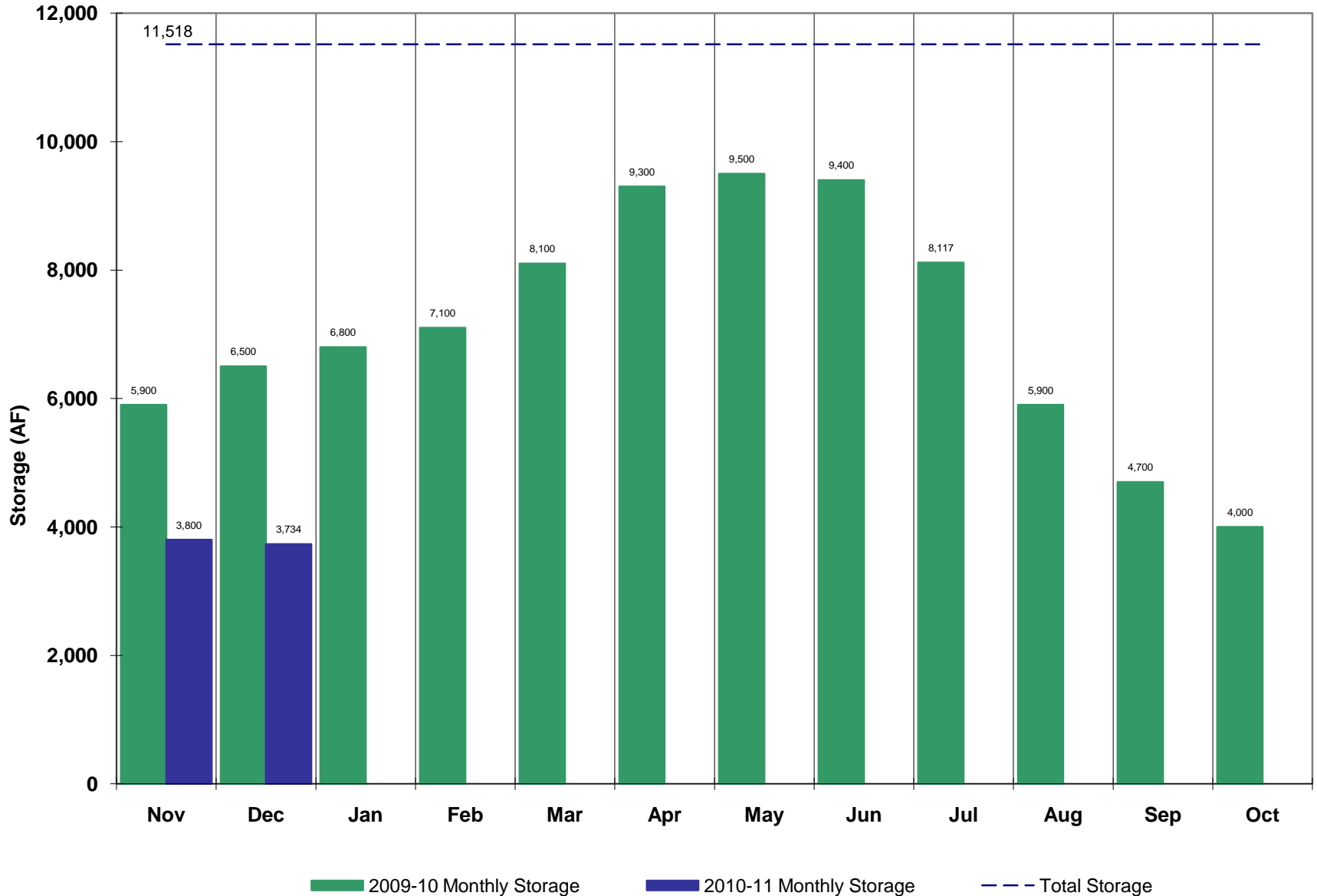
Halligan Reservoir

(District 3, Poudre River - Agricultural)



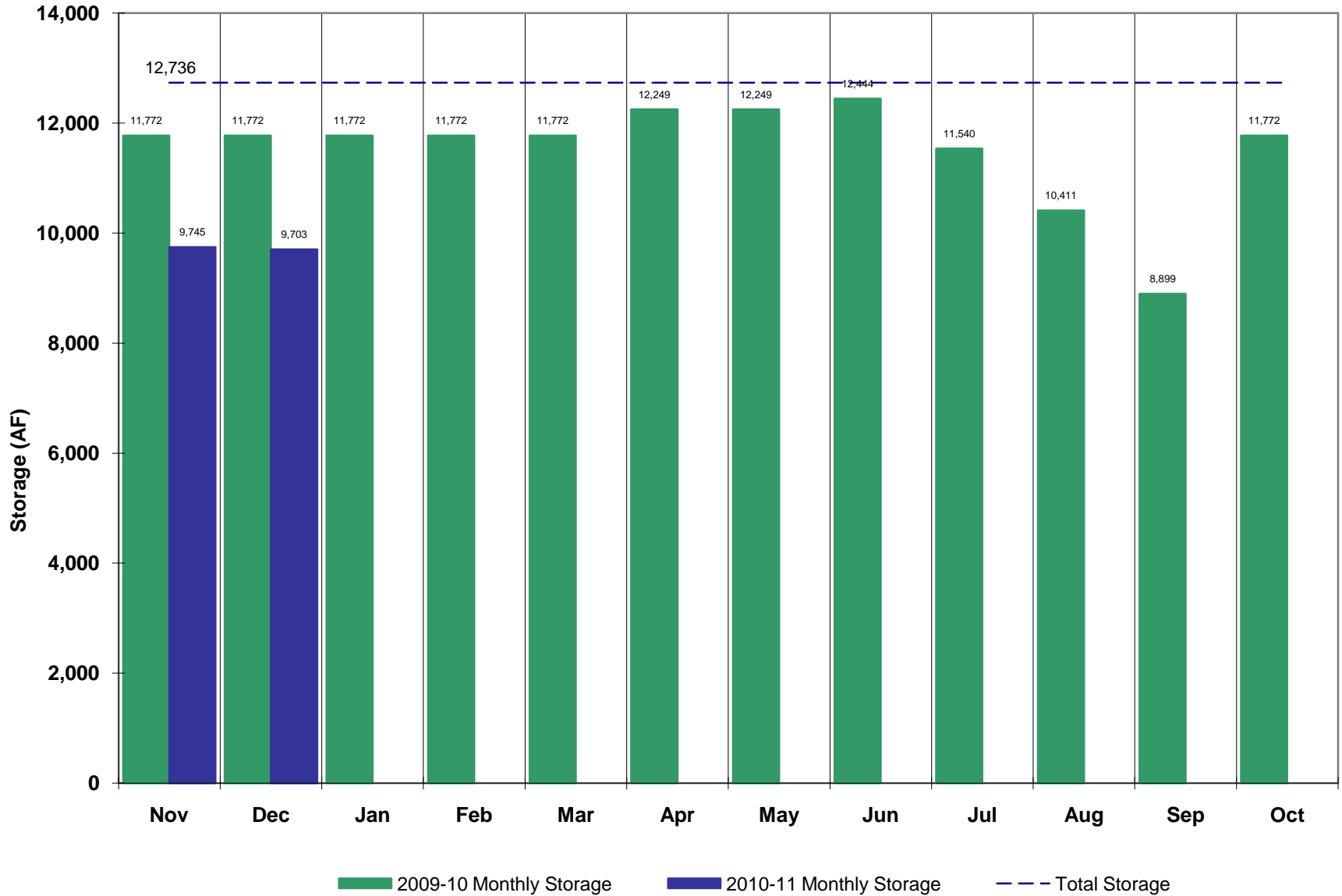
Marshall Lake

(District 6, Boulder Creek - Agricultural)



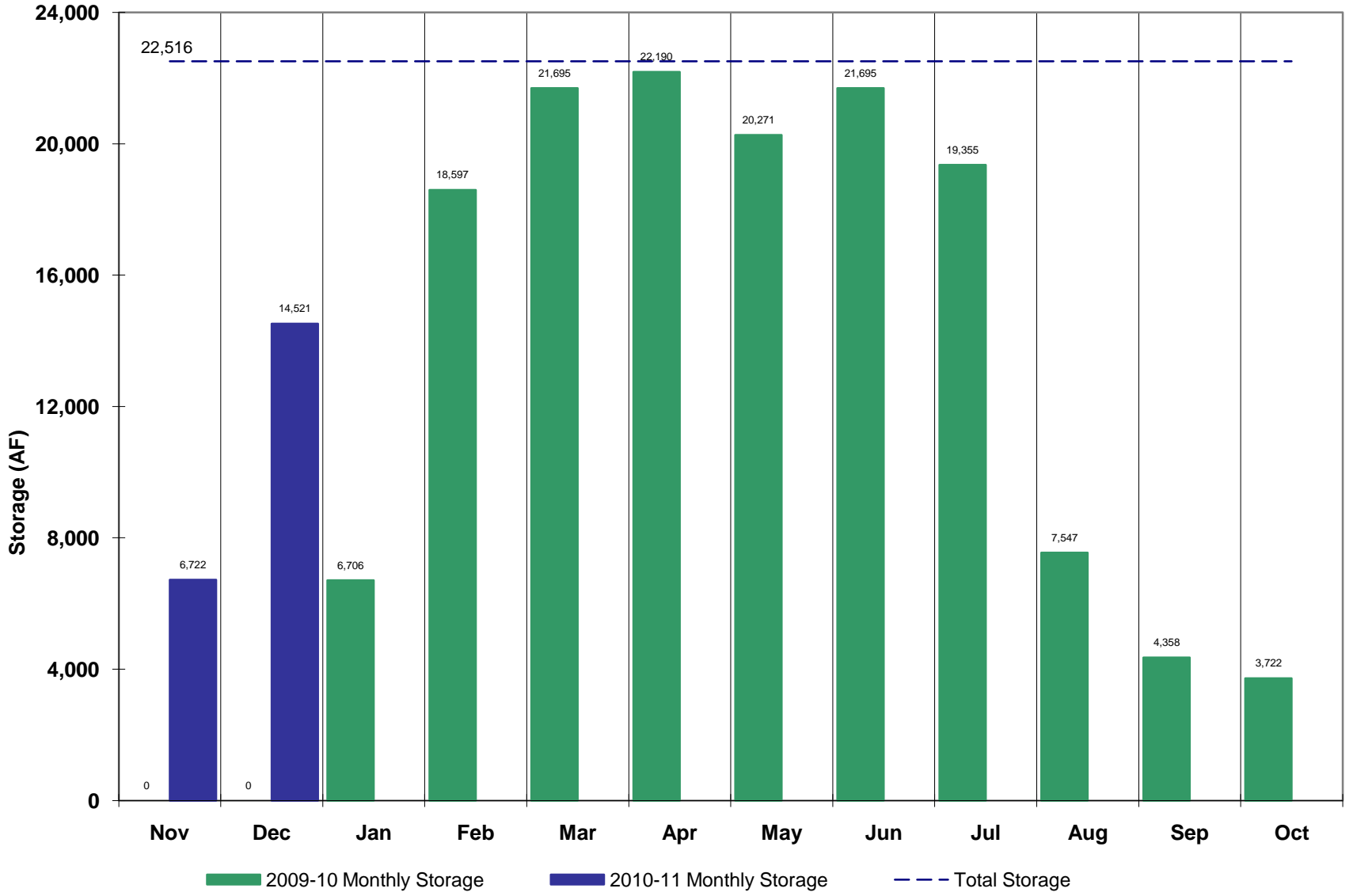
Loveland Greeley Reservoir

(District 4, Big Thompson River - Agricultural)



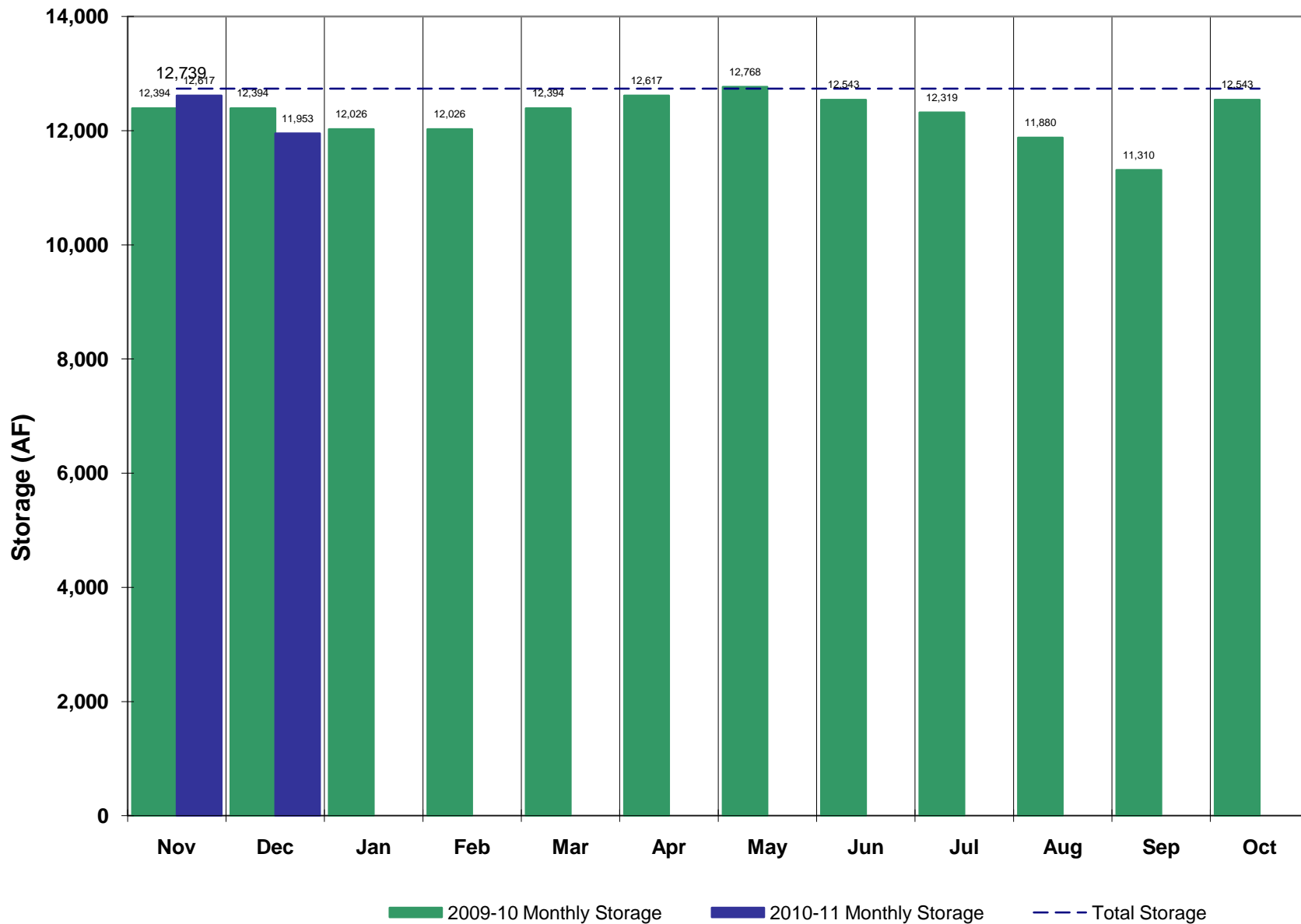
Milton Reservoir

(District 2 - Agricultural)

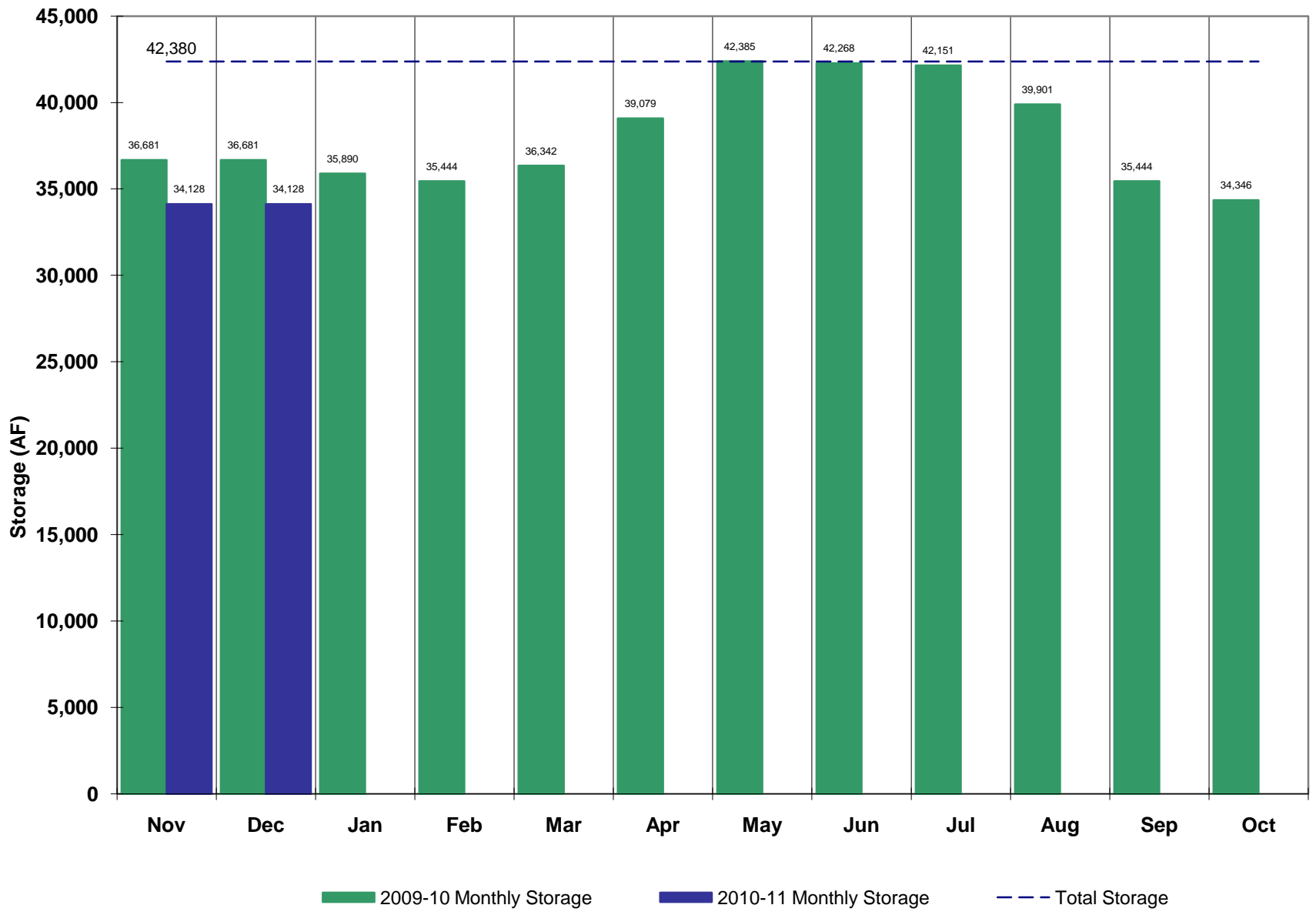


Union Reservoir

(District 5, St. Vrain Creek - Agricultural)

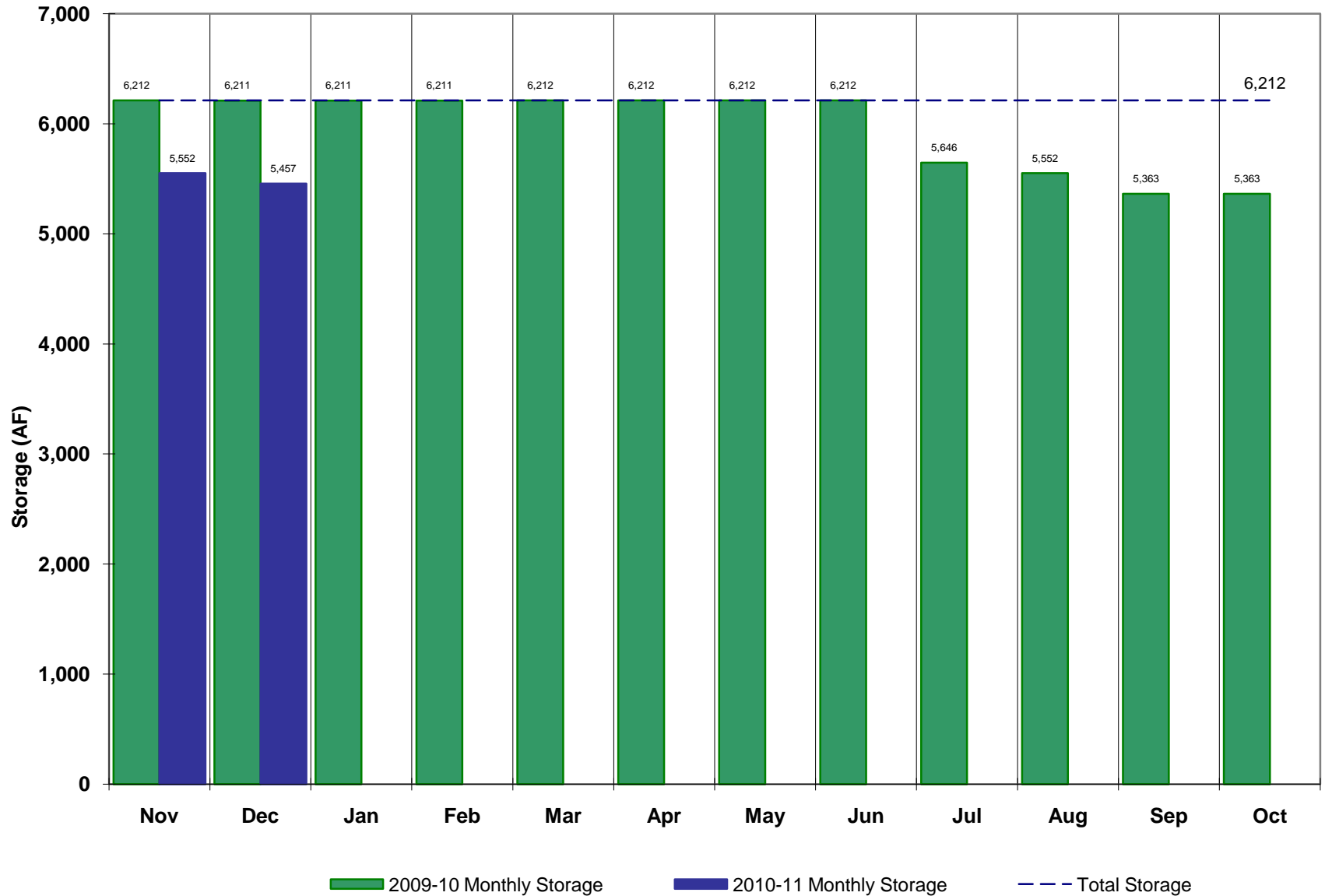


Standley Lake (Agricultural)



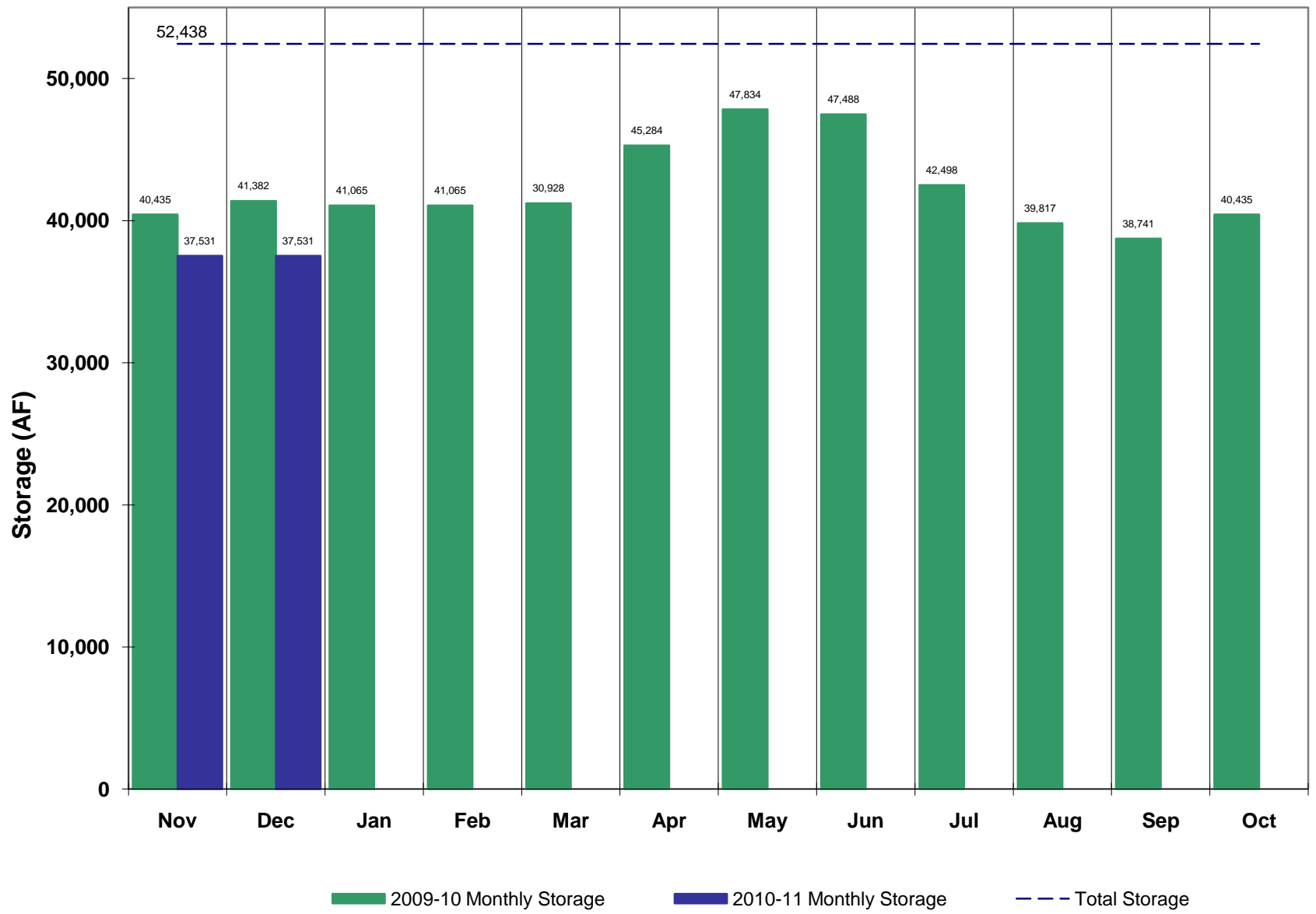
Lower Latham Reservoir

(District 2 - Agricultural)



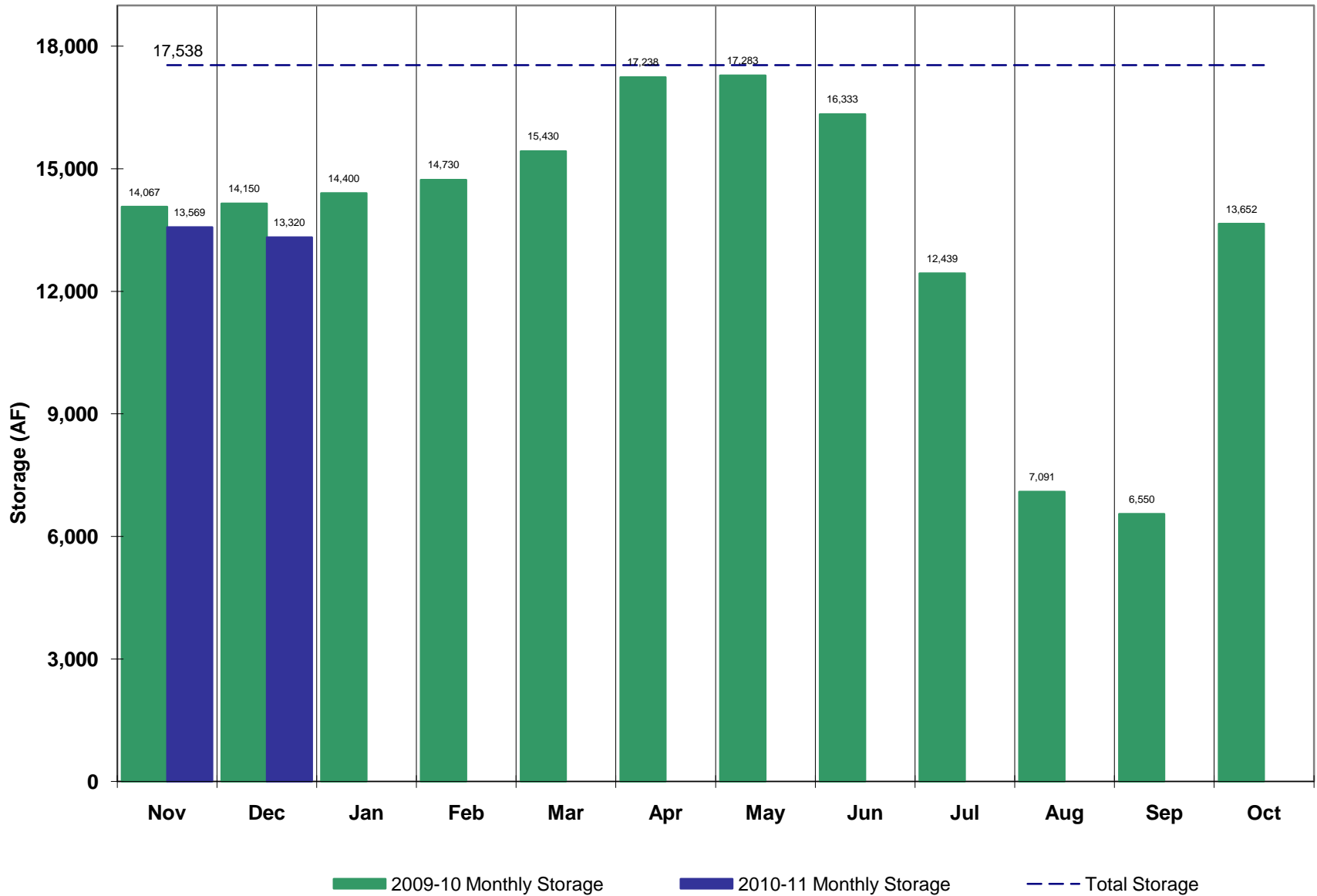
Boyd Lake

(District 4, Big Thompson River - Agricultural)



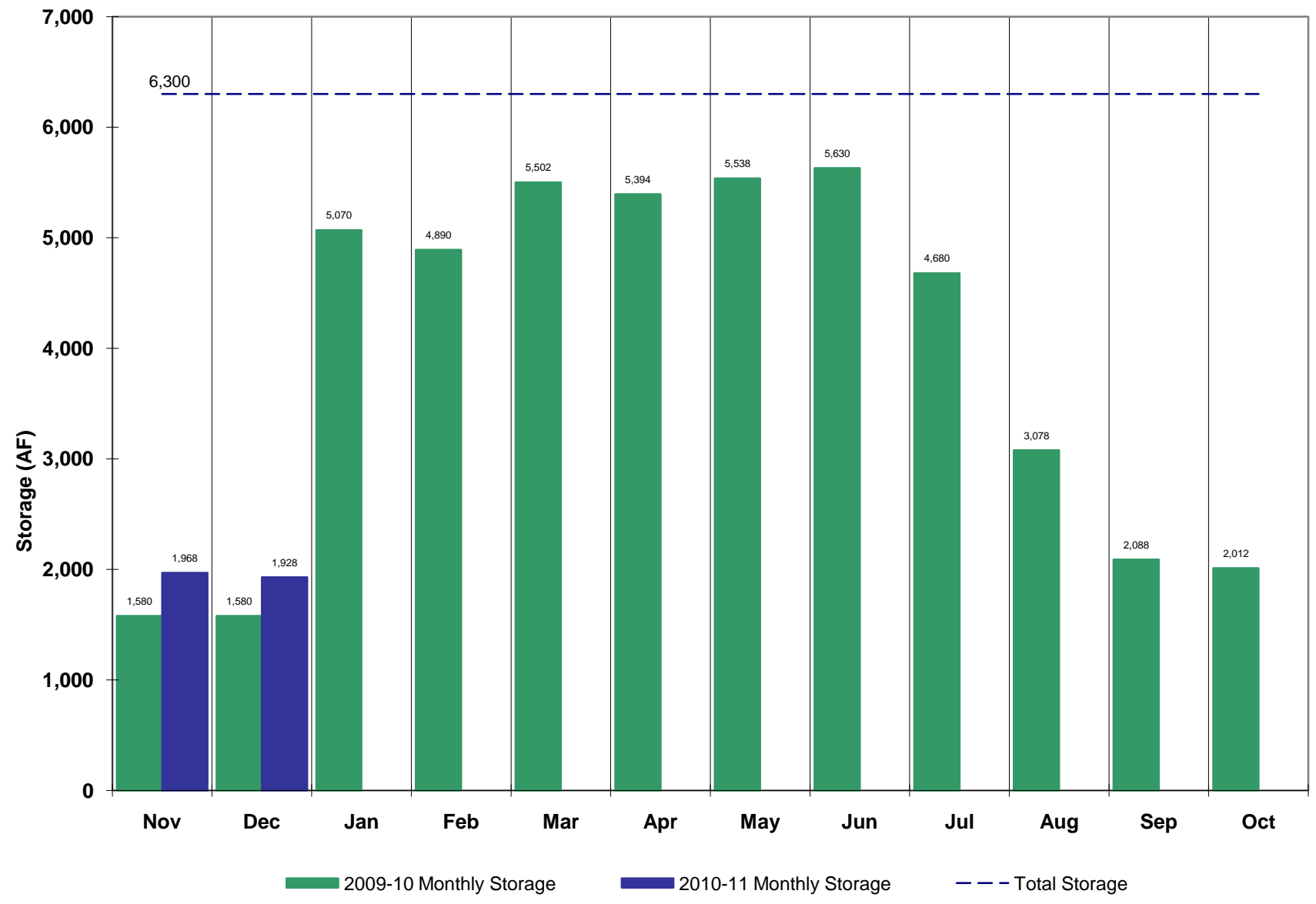
Windsor Reservoir

(District 3, Poudre River - Agricultural)



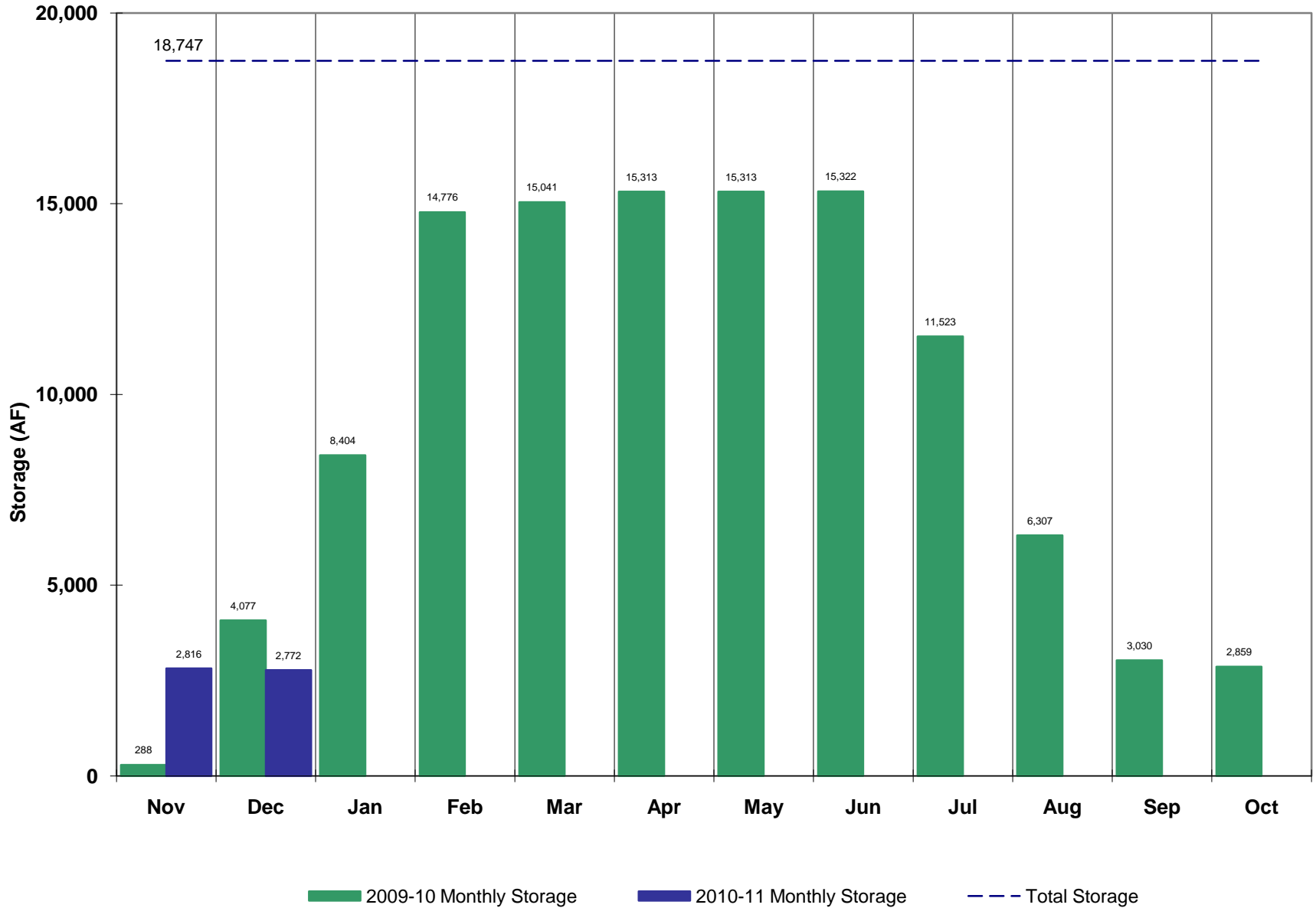
Prospect Reservoir

(District 1- Agricultural)



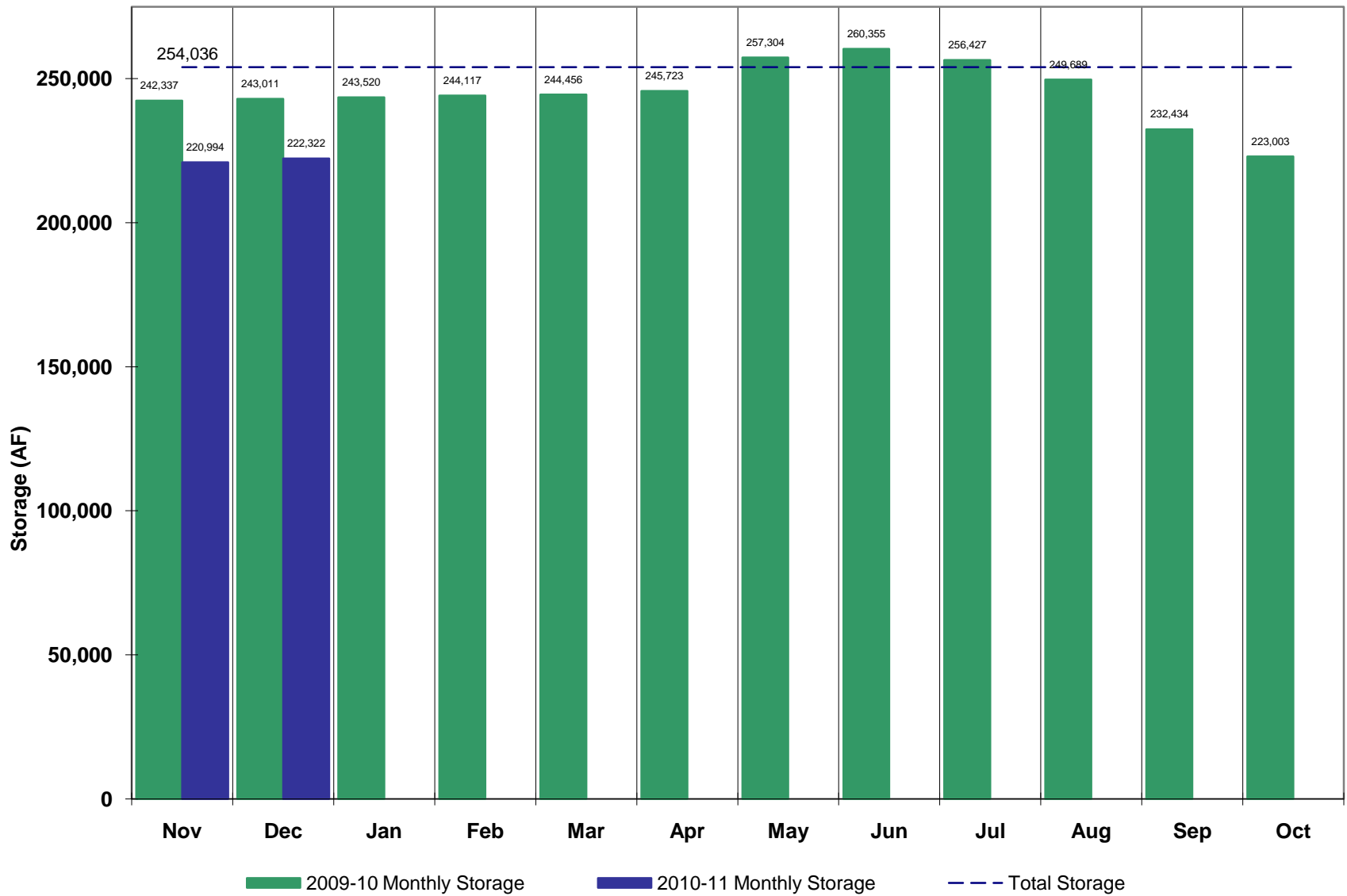
Horse Creek Reservoir

(District 1 - Agricultural)



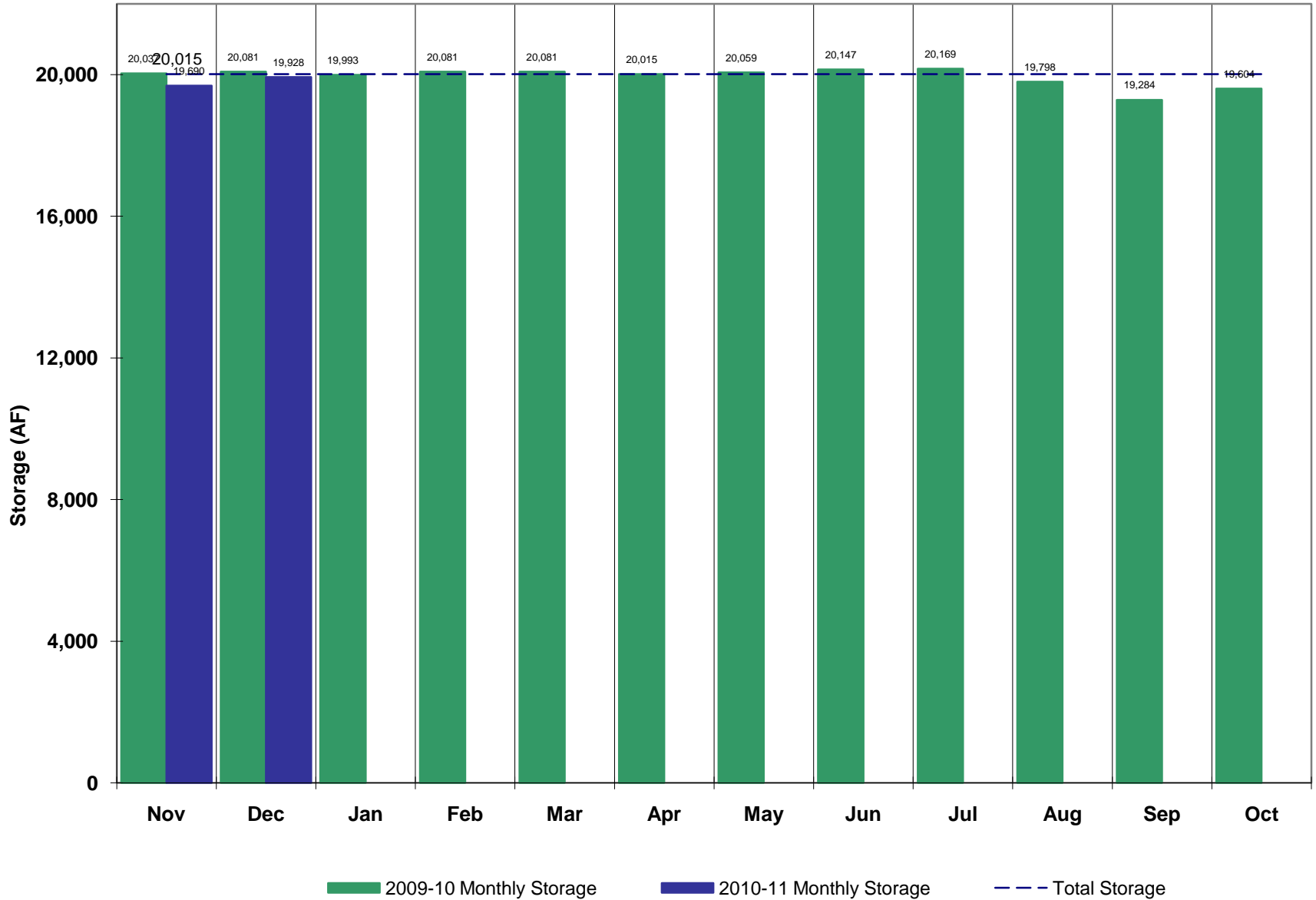
Dillon Reservoir

(Municipal)



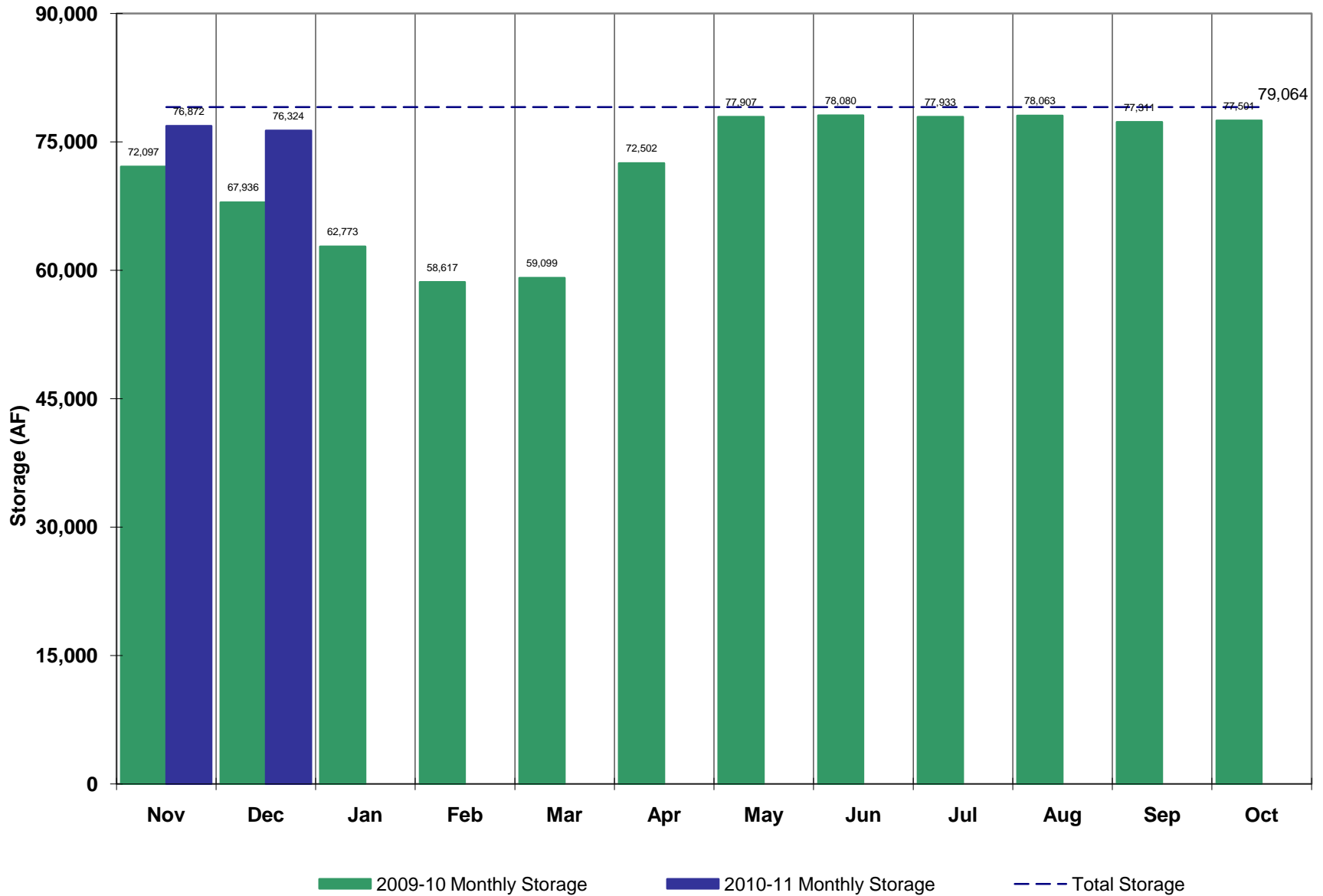
Antero Reservoir

(District 23 - Municipal)



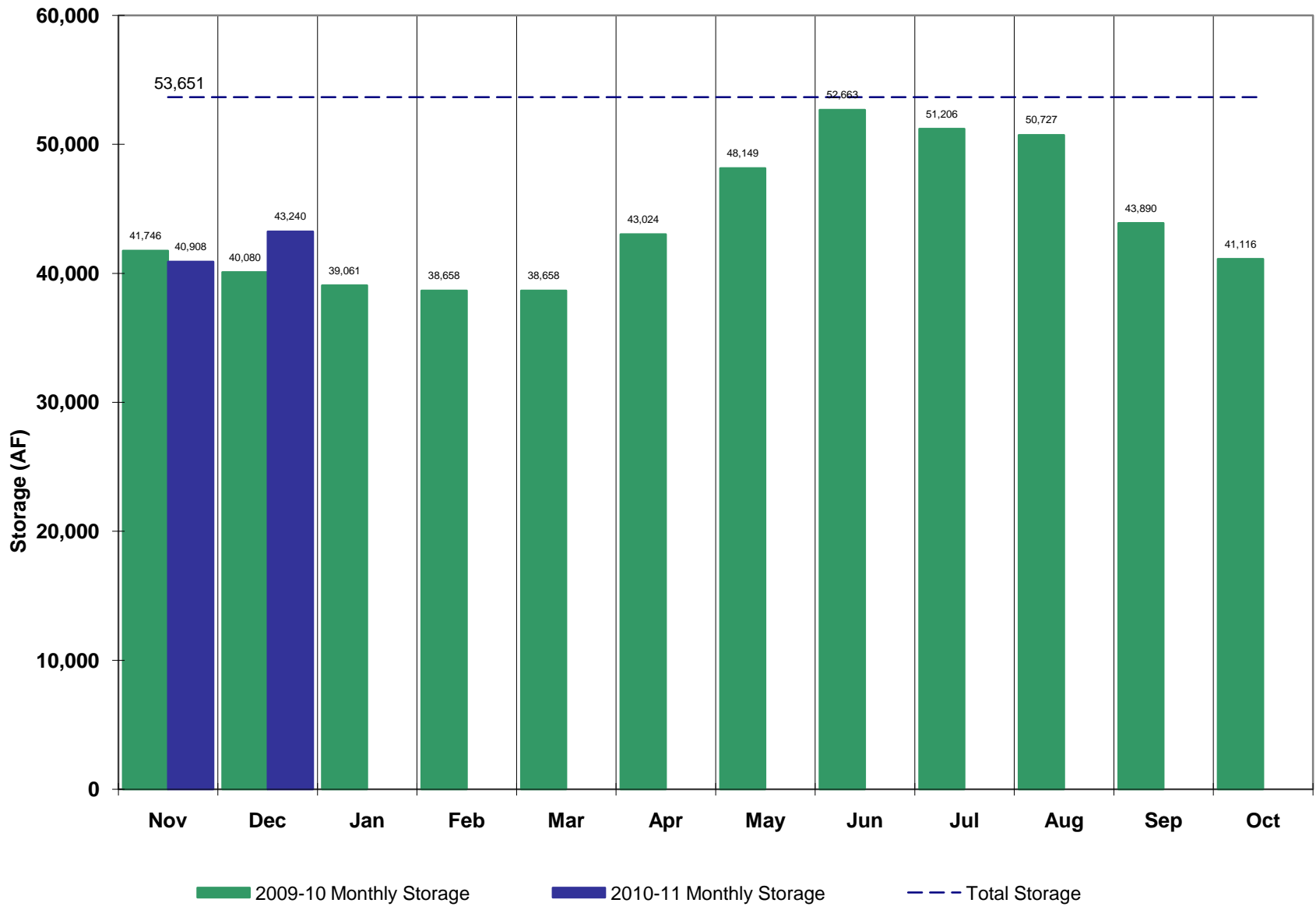
Cheesman Reservoir

(District 80 - Municipal)



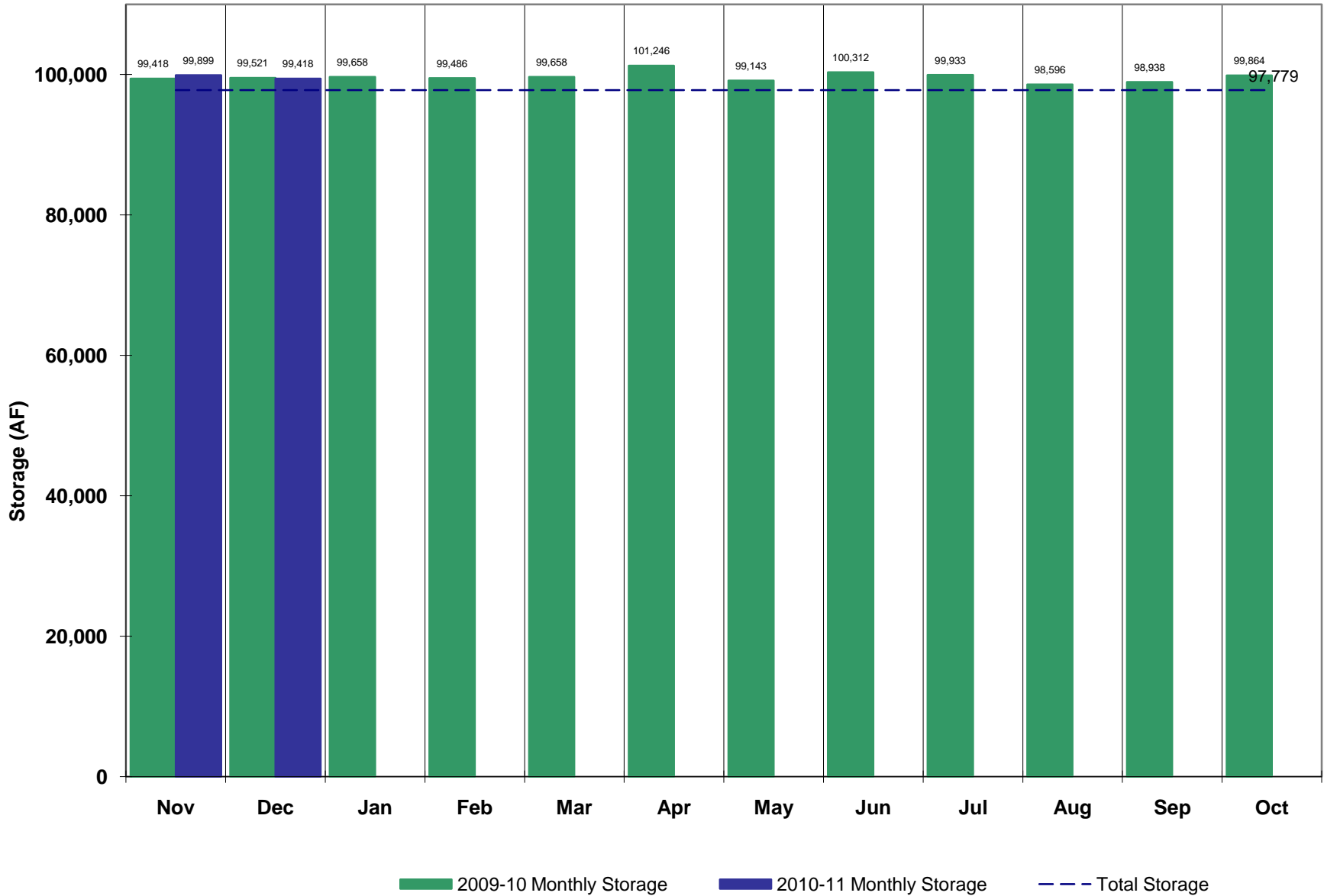
Spinney Mountain Reservoir

(District 23 - Municipal)

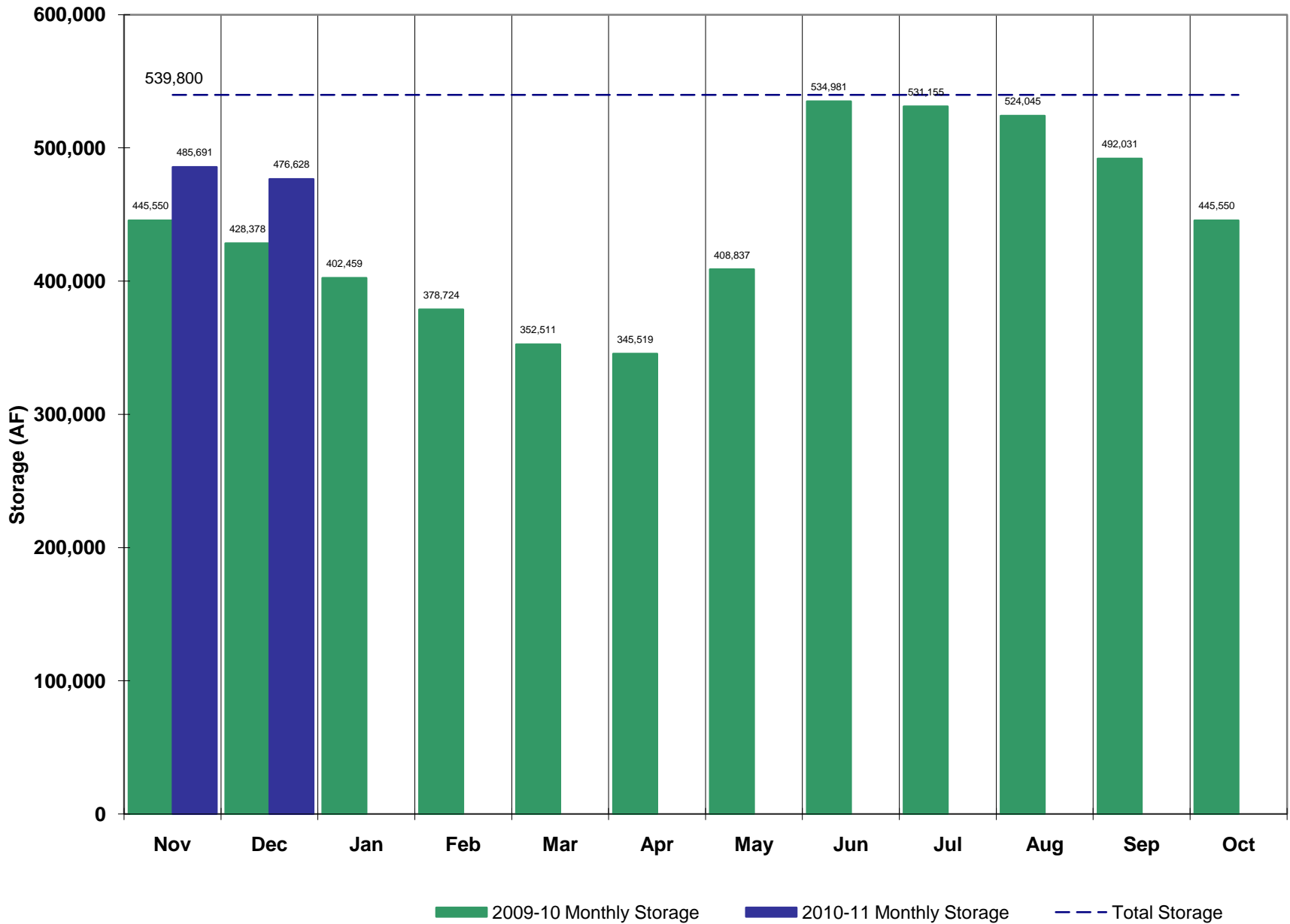



Eleven Mile Reservoir

(District 23 - Municipal)



Lake Granby



An aerial photograph of a large circular center pivot irrigation system. The system consists of numerous concentric circles of irrigation wheels, with a central pivot point. The wheels are arranged in a pattern that covers a large area of green agricultural land. The surrounding landscape is a mix of green fields and some brownish areas, possibly indicating different soil types or crop stages. The overall scene is a vast, flat agricultural landscape.

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

South Platte Aerial Tour

Photo by: Jason Smith