

# South Platte Summary

## December 2009

Bear Creek at Morrison  
(Photo by Jana Ash)

Compiled by Jana Ash



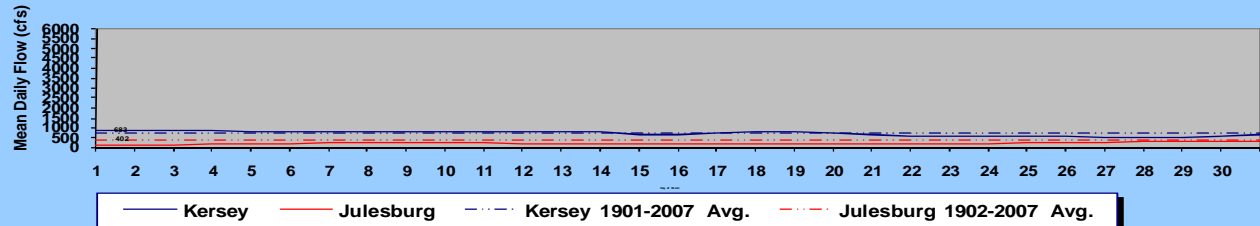
# COLORADO DIVISION OF WATER RESOURCES, DIVISION 1

## MONTH OF DECEMBER 2009

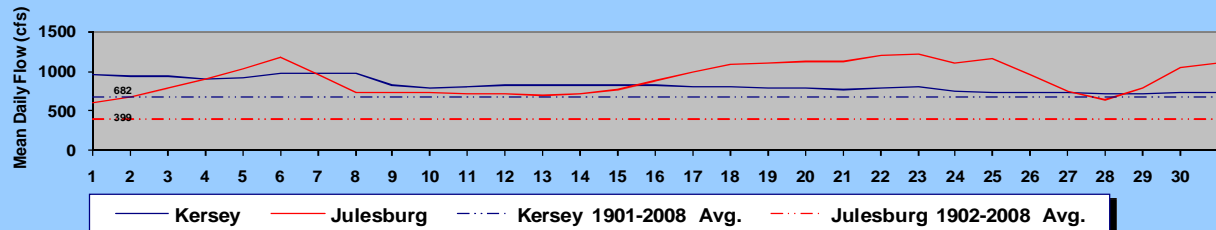
RESERVOIR	FULL ALLOWABLE CAPACITY (ACRE FEET)	FIRST OF MONTH (ACRE FEET)	END OF MONTH (ACRE FEET)	DISTRICT	CHANGE IN STORAGE (ACRE FEET)	% CHANGE IN STORAGE BASED ON FIRST OF MONTH STORAGE	% OF CURRENT FULL ALLOWABLE CAPACITY	% OF CURRENT FULL ALLOWABLE CAPACITY THIS MONTH LAST YEAR	SURCHARGE (ACRE FEET)
JULESBURG	22,666	18,755	16,245	64	-2,510	-13%	72%	74%	0
N STERLING	73,730	42,588	48,251	64	5,663	13%	65%	54%	0
PREWITT	28,500	26,653	20,536	64	-6,117	-23%	72%	68%	0
JACKSON	27,257	25,106	23,546	1	-1,560	-6%	86%	88%	0
EMPIRE	37,700	7,337	16,114	1	8,777	120%	43%	37%	0
RIVERSIDE	63,113	46,309	37,158	1	-9,151	-20%	59%	50%	0
BARR LAKE	31,652	21,951	23,430	2	1,479	7%	74%	63%	0
CHEESMAN	79,064	72,097	67,936	80	-4,161	-6%	86%	85%	0
ELEVEN MILE	97,779	99,418	99,521	23	103	0%	100%	100%	1,742
SPINNEY	53,651	41,746	40,080	23	-1,666	-4%	75%	84%	0
ANTERO	20,015	20,037	20,081	23	44	0%	100%	100%	66

RIVER GAGES	MEAN DAILY FLOW (CFS)
<b>KERSEY</b>	<b>828</b>
<b>JULESBURG</b>	<b>909</b>
<b>THIS MONTH LAST YEAR</b>	
<b>KERSEY</b>	<b>696</b>
<b>JULESBURG</b>	<b>191</b>
<b>MEAN FOR PERIOD OF RECORD*</b>	
<b>KERSEY</b>	<b>682</b>
<b>JULESBURG</b>	<b>399</b>
* 1901-2008	
1902-2008	

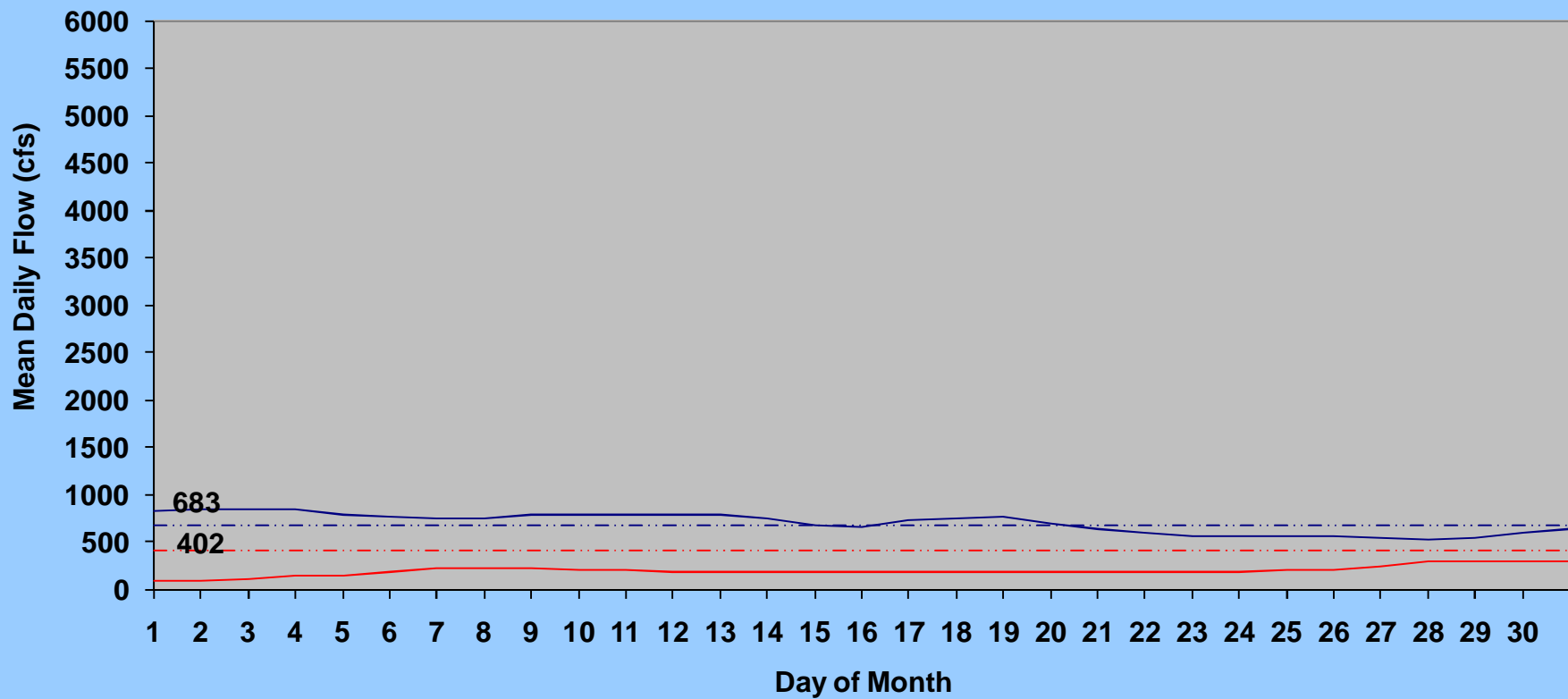
**SOUTH PLATTE RIVER  
DECEMBER 2008**



**SOUTH PLATTE RIVER  
DECEMBER 2009**

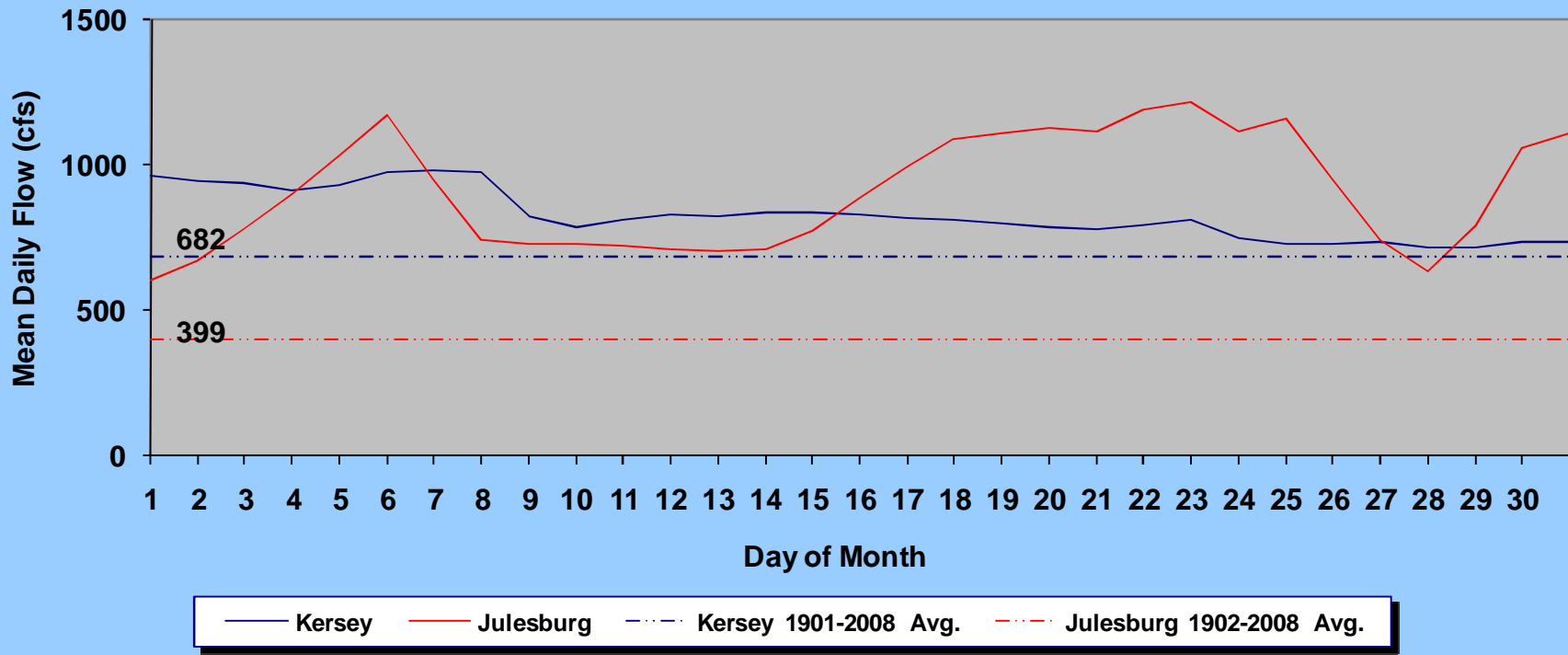


# SOUTH PLATTE RIVER DECEMBER 2008

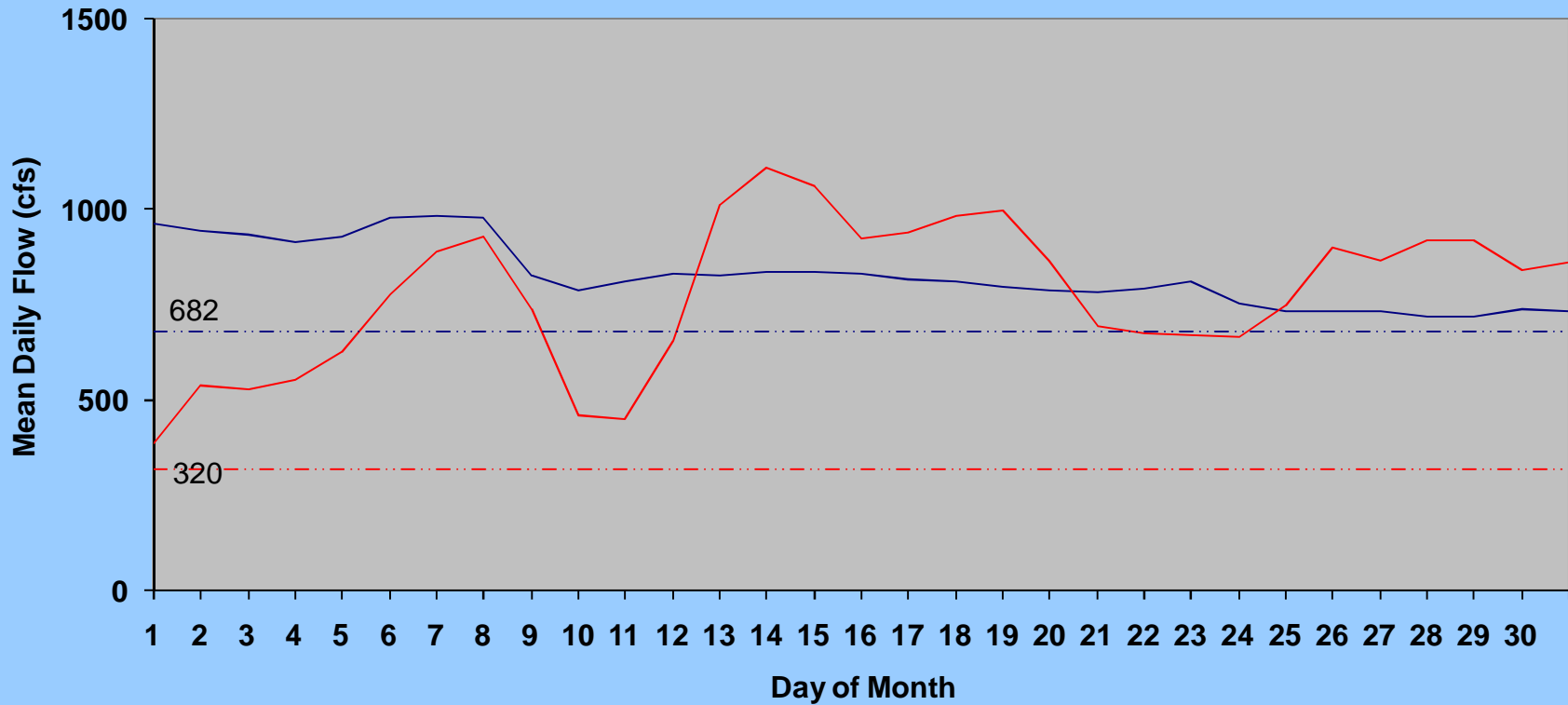


— Kersey — Julesburg - - - Kersey 1901-2007 Avg. - - - Julesburg 1902-2007 Avg.

# SOUTH PLATTE RIVER DECEMBER 2009



# KERSEY and BALZAC DECEMBER 2009



— Kersey — Balzac - - - Kersey 1901-2008 Avg. - - - Balzac 1917-2008 Avg.

**Bear Creek at Morrison  
(Photo by Jana Ash)**

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

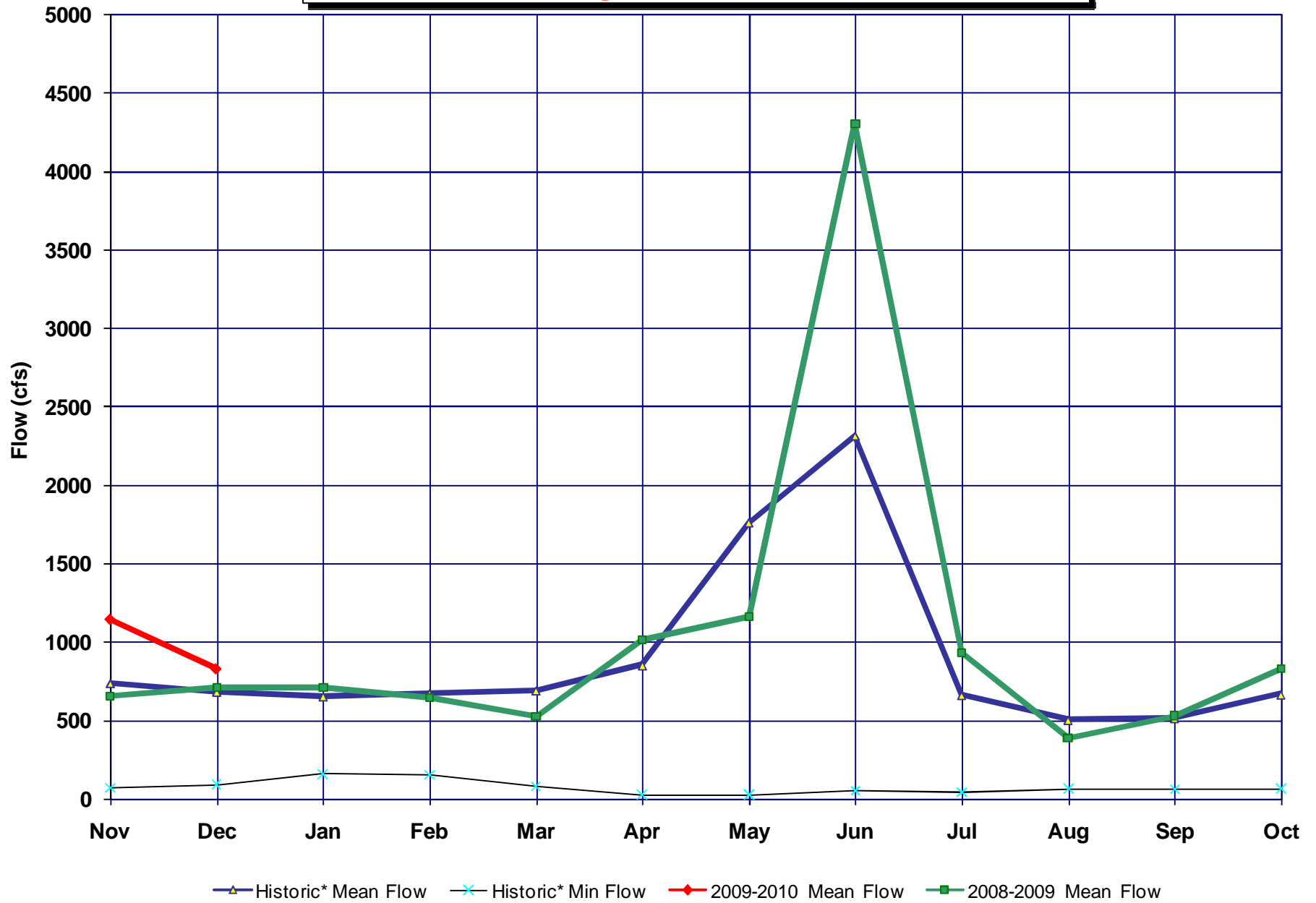
South Platte River at Kersey							South Platte River at Julesburg						
Month	Historic* Mean Flow	Historic* Max Flow	Year	Historic* Min Flow	Year	IY 2010 Mean Monthly Flow	Month	Historic* Mean Flow	Historic* Max Flow	Year	Historic* Min Flow	Year	IY 2010 Mean Monthly Flow
Nov	737	3650	1984	70	1934	1145	Nov	344	2900	1984	4.2	1903	674
Dec	683	1890	1961	91	1934	828	Dec	405	1820	1984	13	2002	909
Jan	653	2160	1974	158	1935		Jan	514	2510	1970	21	2003	
Feb	673	3060	1914	152	1935		Feb	589	3220	1930	29	2005	
Mar	690	3470	1983	80	1935		Mar	531	12900	1910	15	1904	
Apr	850	18100	1942	28	1955		Apr	529	14400	1942	4.0	1904	
May	1761	26100	1973	29	1955		May	1020	18100	1973	12	1911	
Jun	2314	31000	1921	52	1954		Jun	1433	30800	1921	2.0	1910	
Jul	661	12600	1983	44	1955		Jul	293	12600	1983	0.0	1903	
Aug	503	9690	1951	65	1934		Aug	180	8920	1968	0.0	1903	
Sep	514	14200	1938	62	1940		Sep	240	7130	1938	2.0	1902	
Oct	665	6180	1984	66	1954		Oct	304	3130	1984	4.2	1903	

\*Period of record 1901-2008

\*Period of record 1902-2008

# South Platte River at Kersey

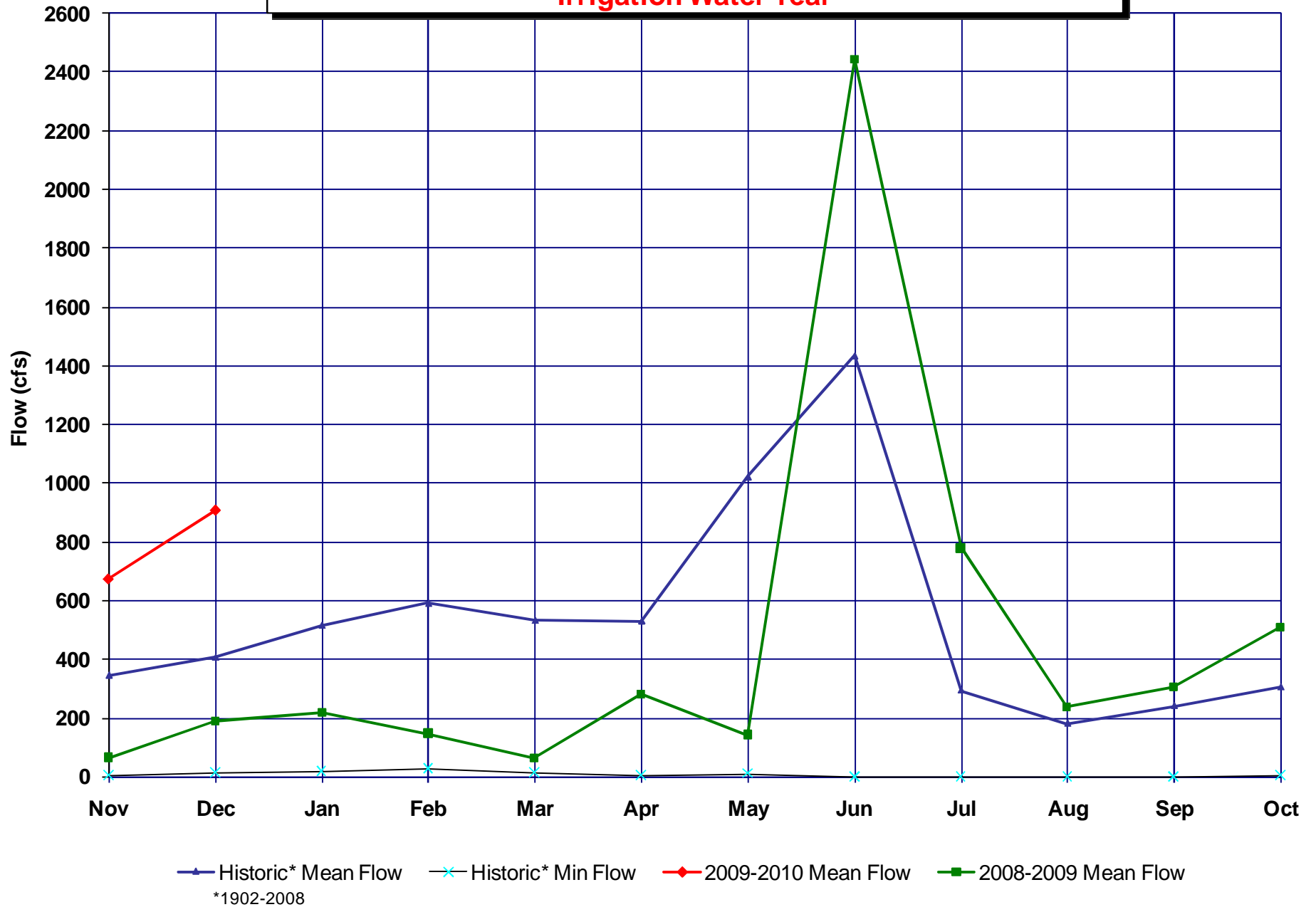
## Irrigation Water Year



\*1901-2008

# South Platte River at Julesburg

Irrigation Water Year





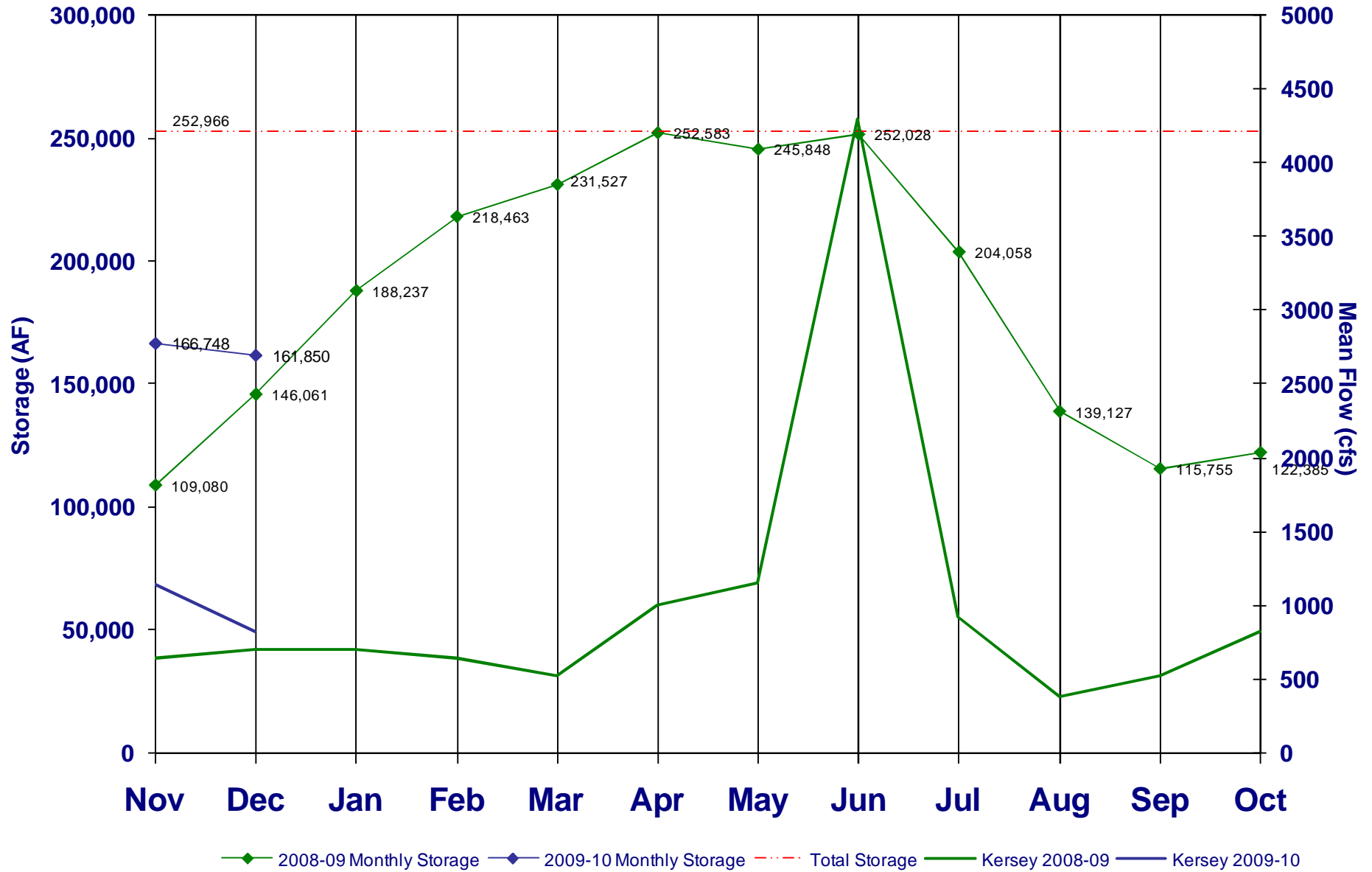
**Next four slides show Reservoir Storage  
below and above Kersey**



**Middle Fork of the South Platte  
River above Fairplay  
(Photo by Garver Brown)**

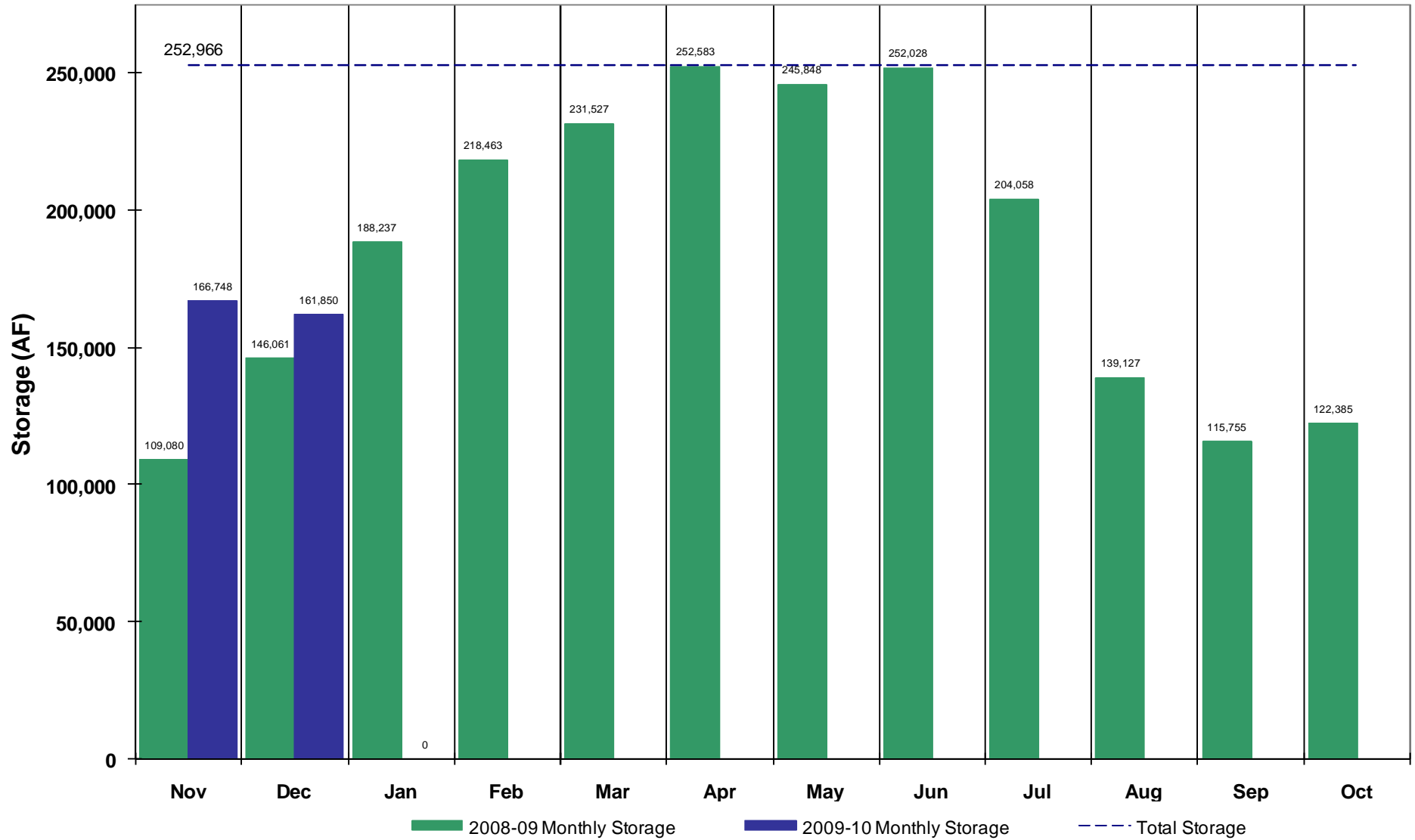
# Reservoir Storage below Kersey

## Selected Reservoirs\*



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

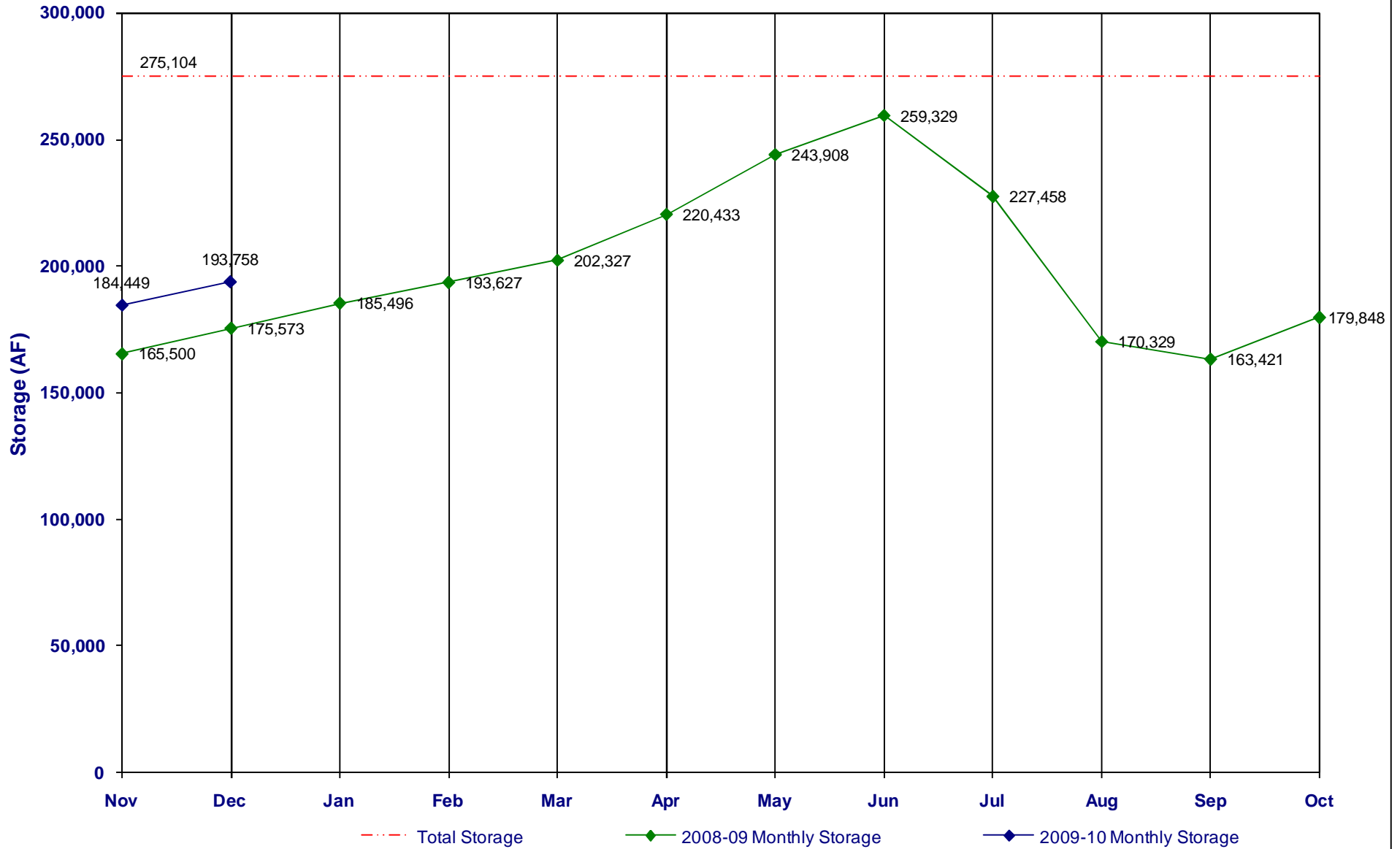
# South Platte Reservoirs Storage below Kersey\*



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

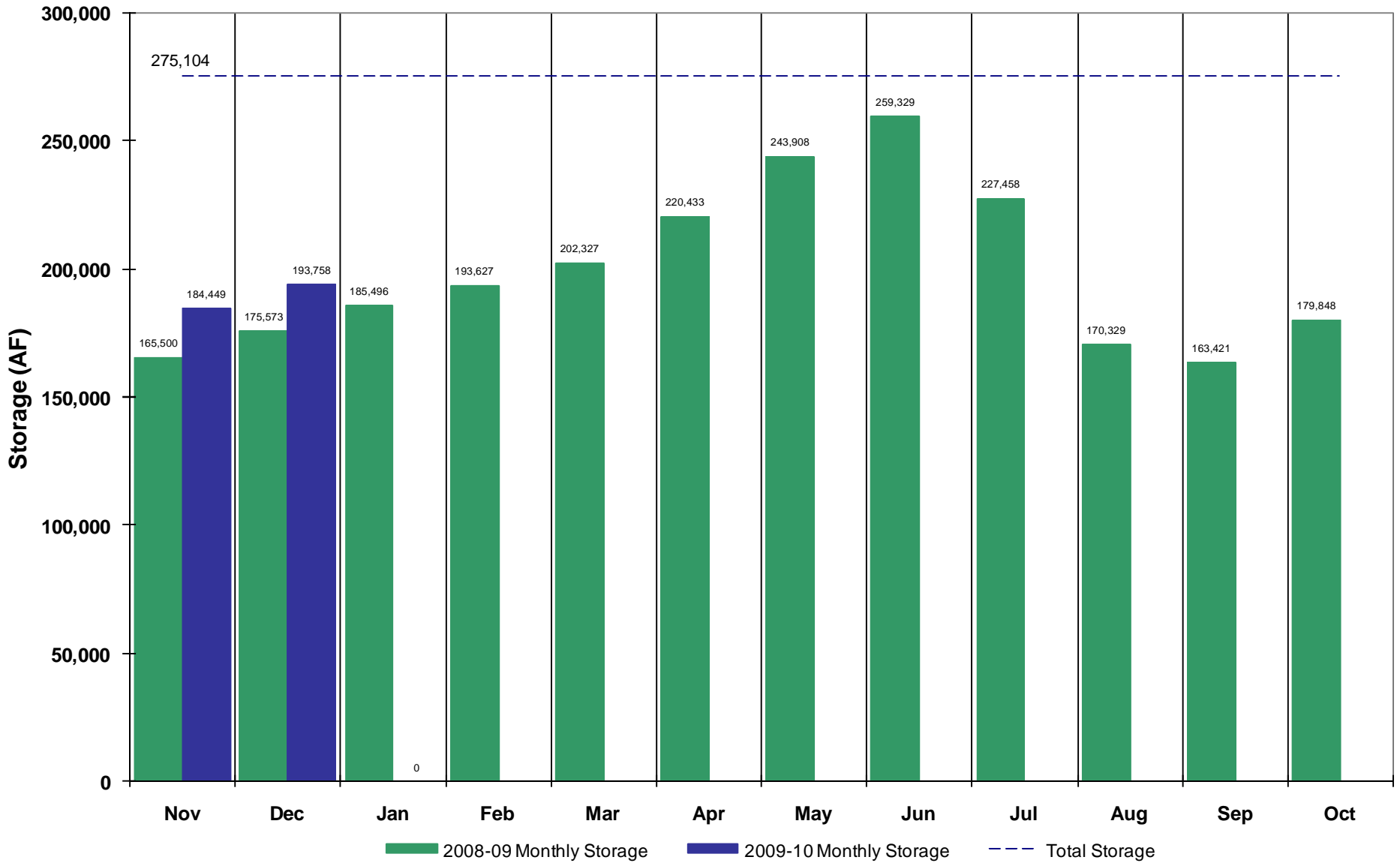
# Reservoir Storage above Kersey

## 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

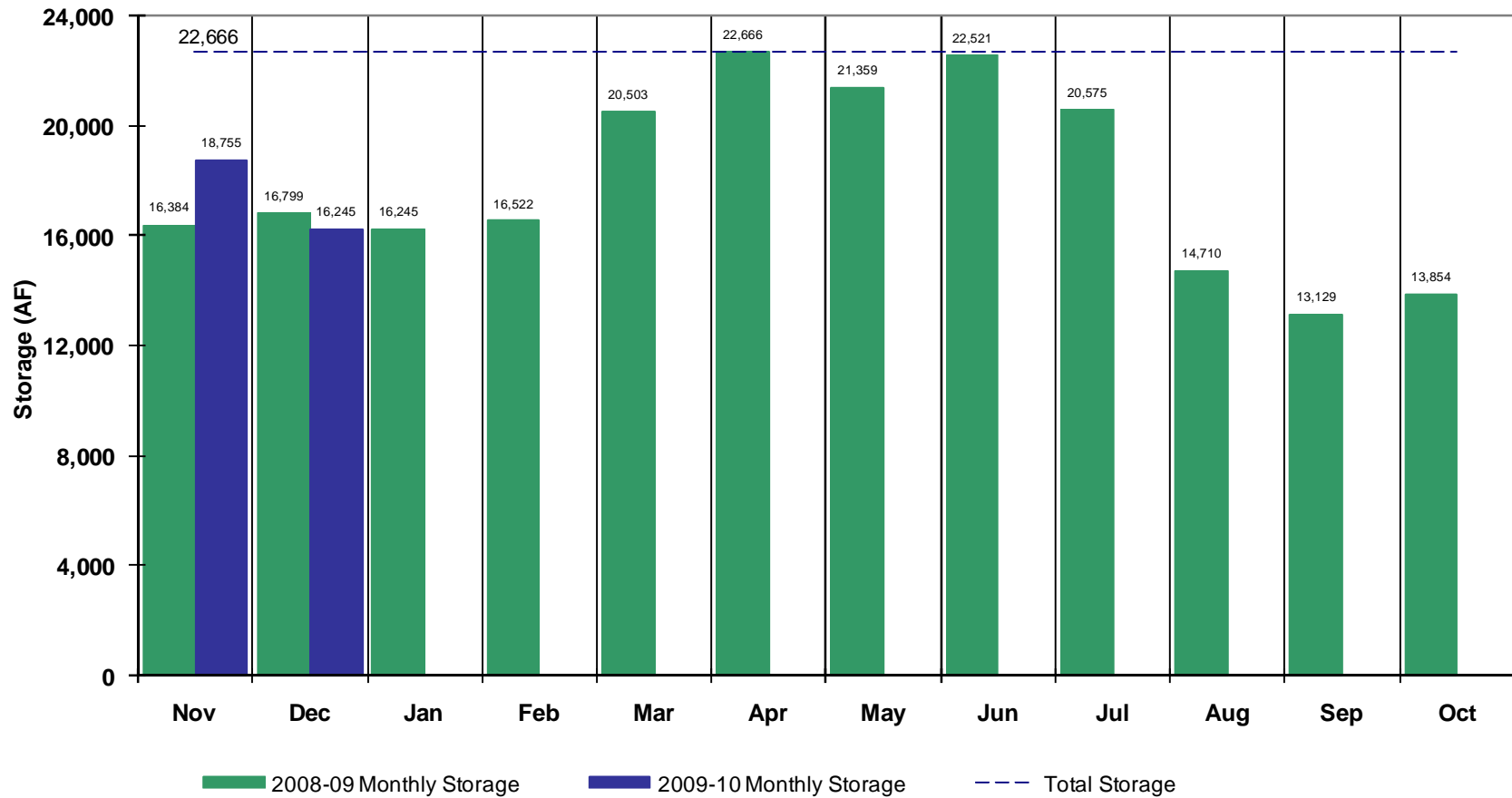


# **Individual Reservoir Storage Follows**

**Lambert Reservoir No. 3 on Indian  
Creek  
(Photo by Mark Trivisonno)**

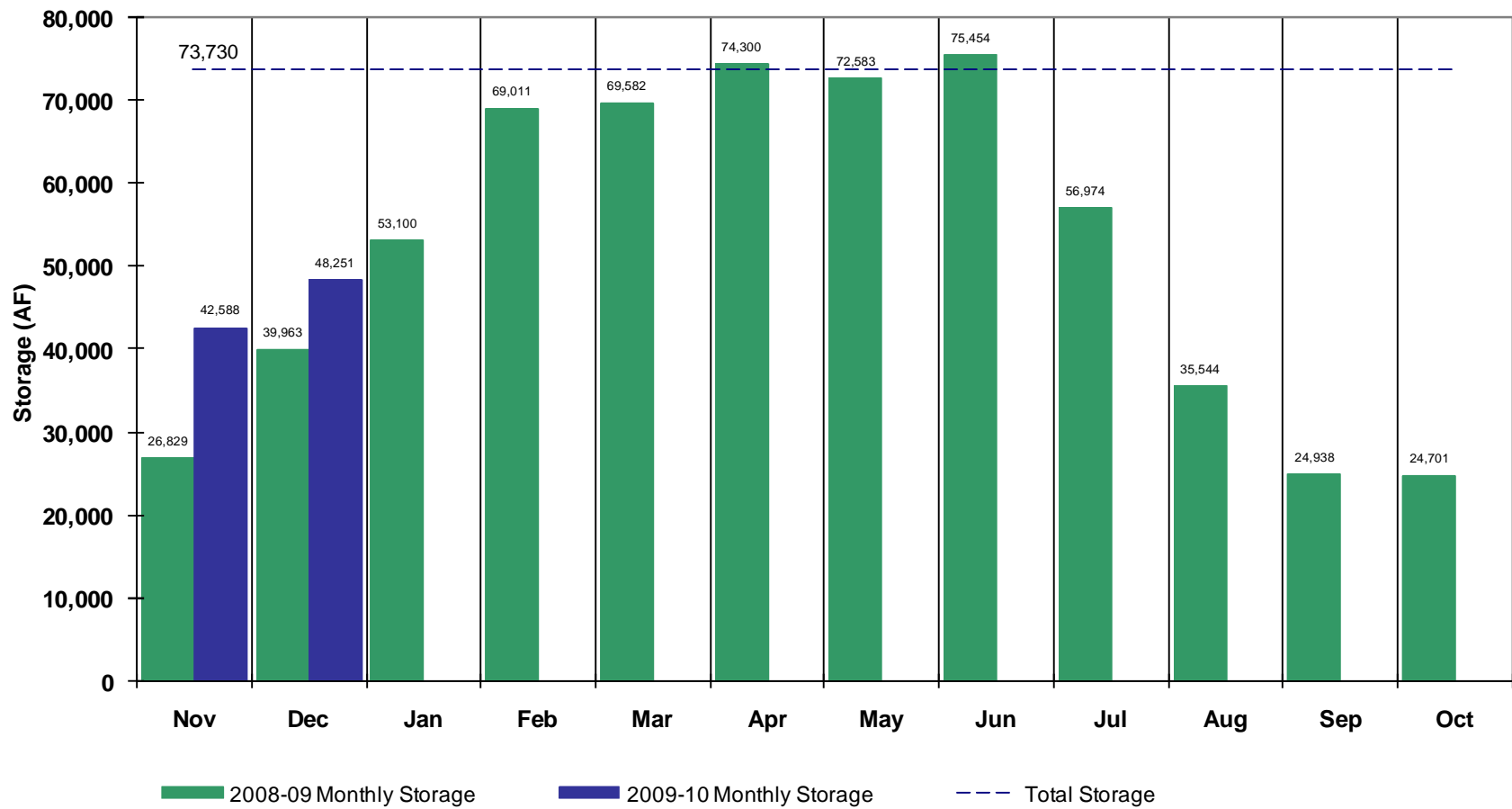
# Julesburg Reservoir

(District 64 - Agricultural)



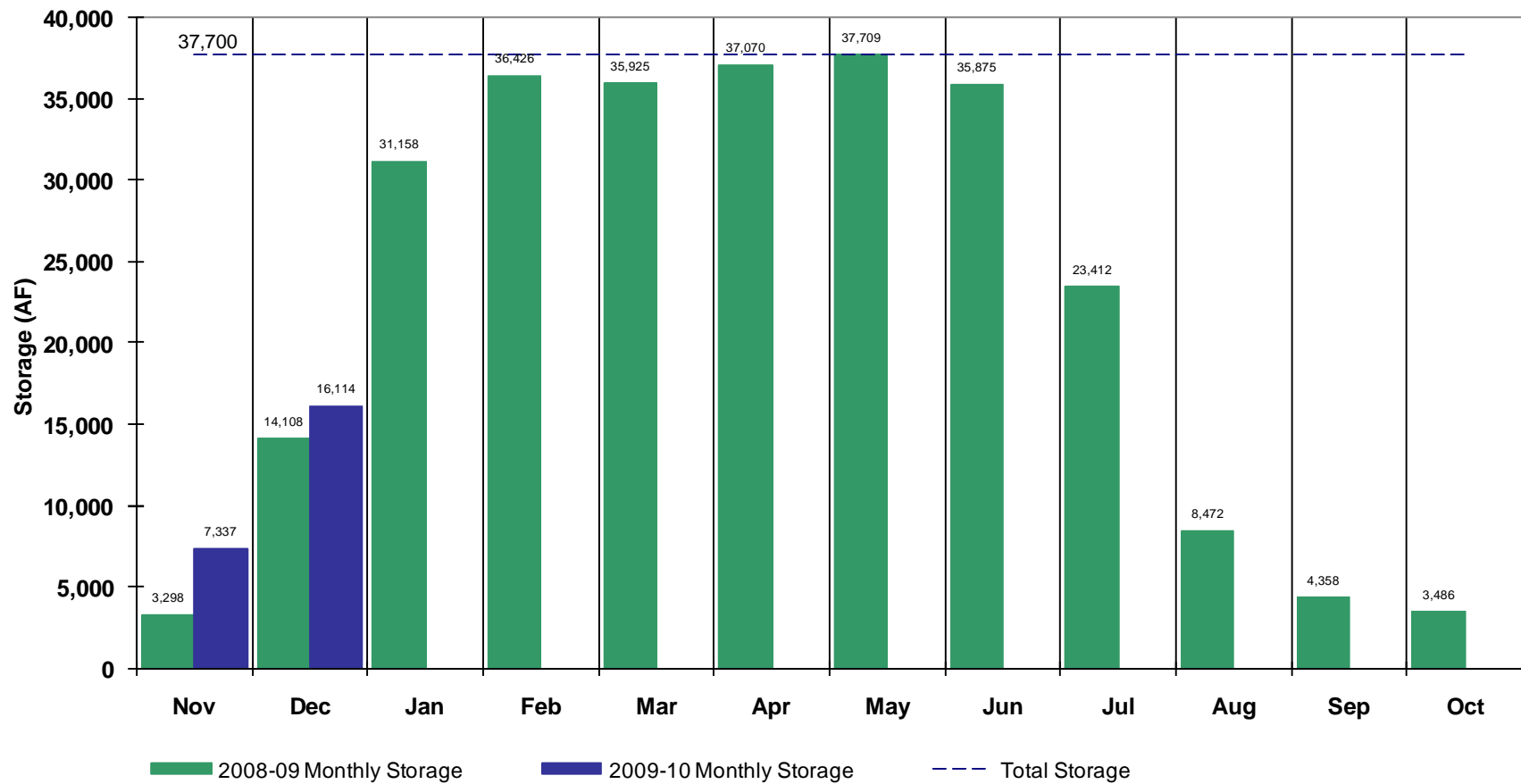
# North Sterling Reservoir

(District 64- Agricultural)

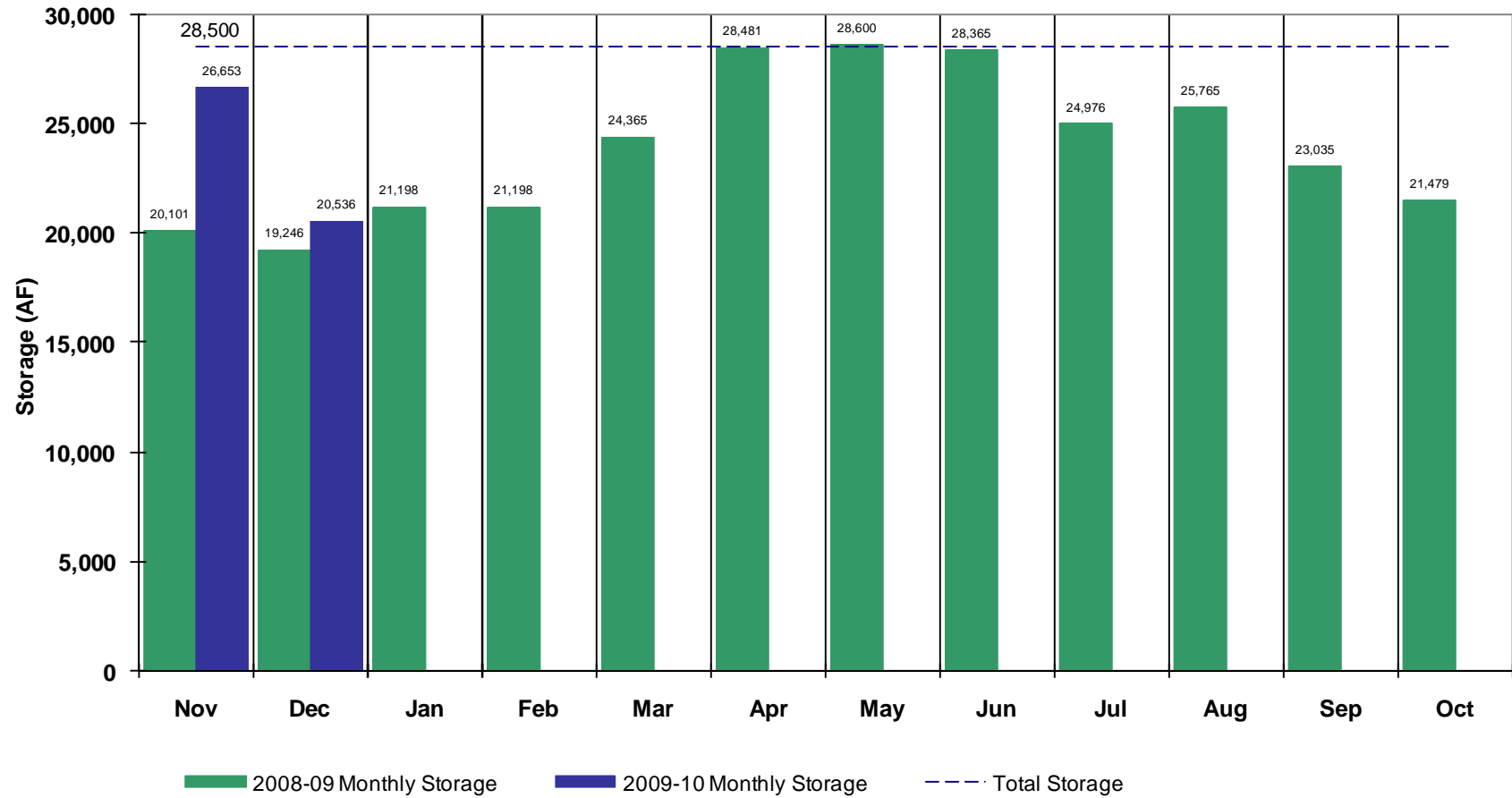




# Empire Reservoir (District 1- Agricultural)

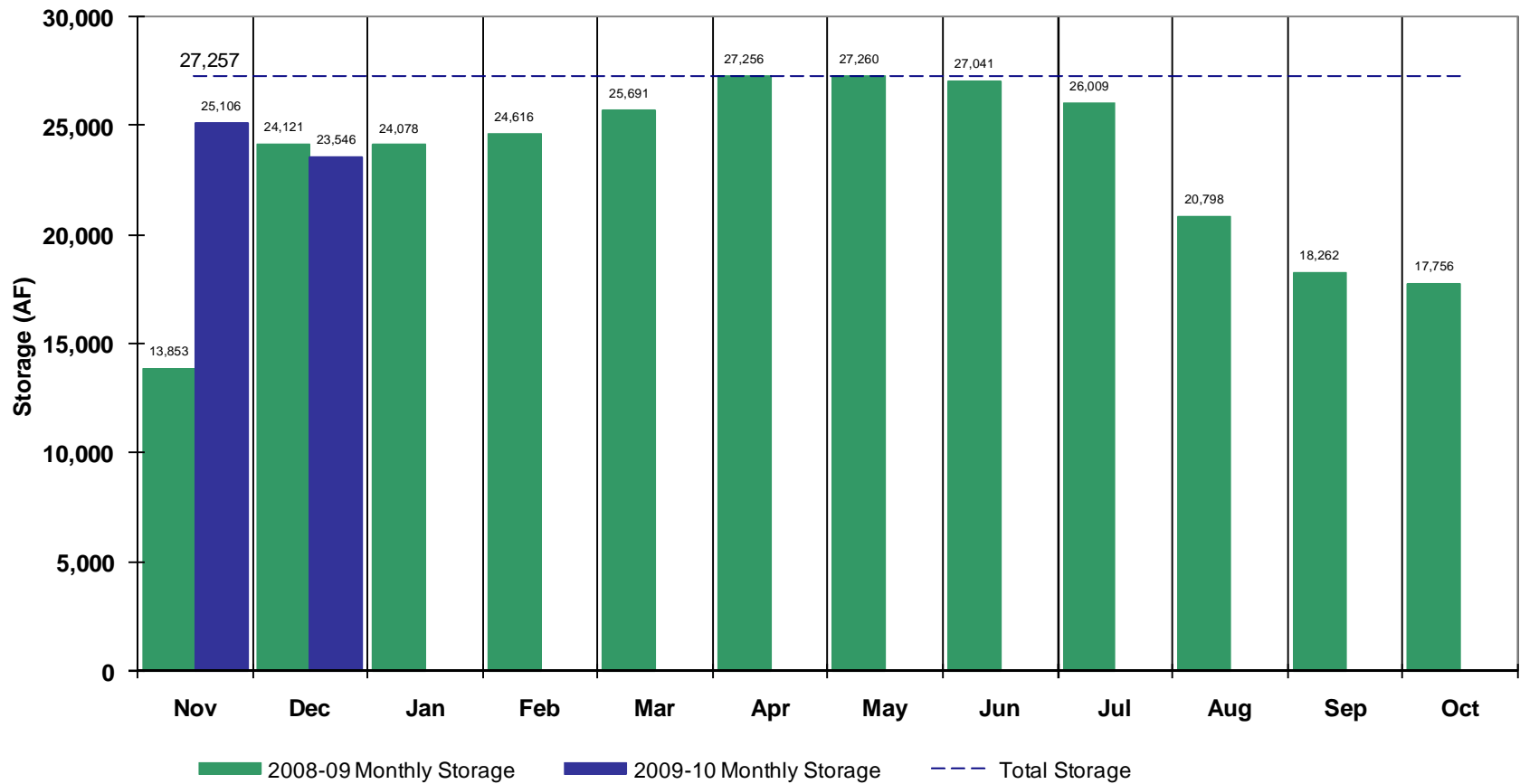


# Prewitt Reservoir (District 64- Agricultural)



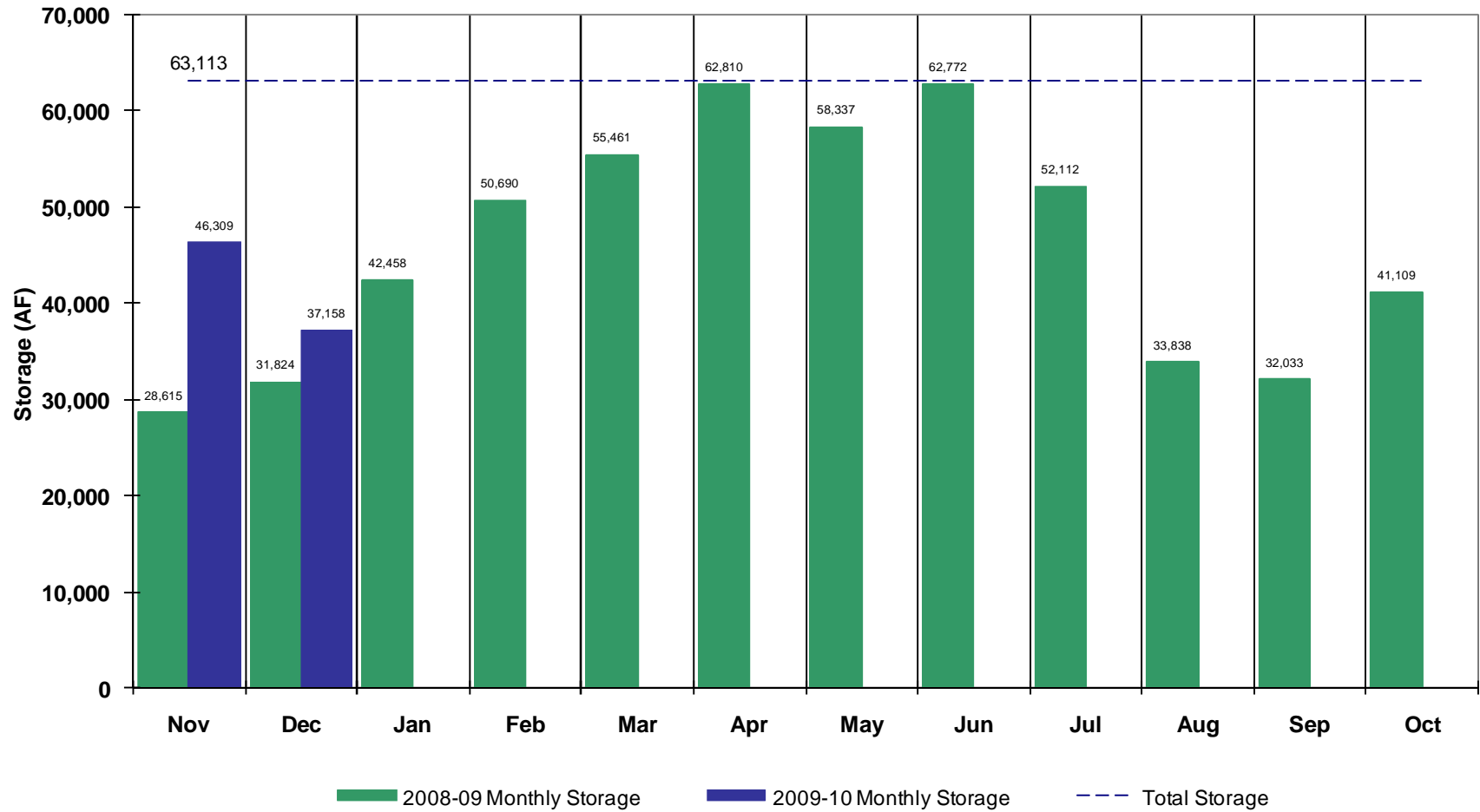
# Jackson Reservoir

(District 1- Agricultural)



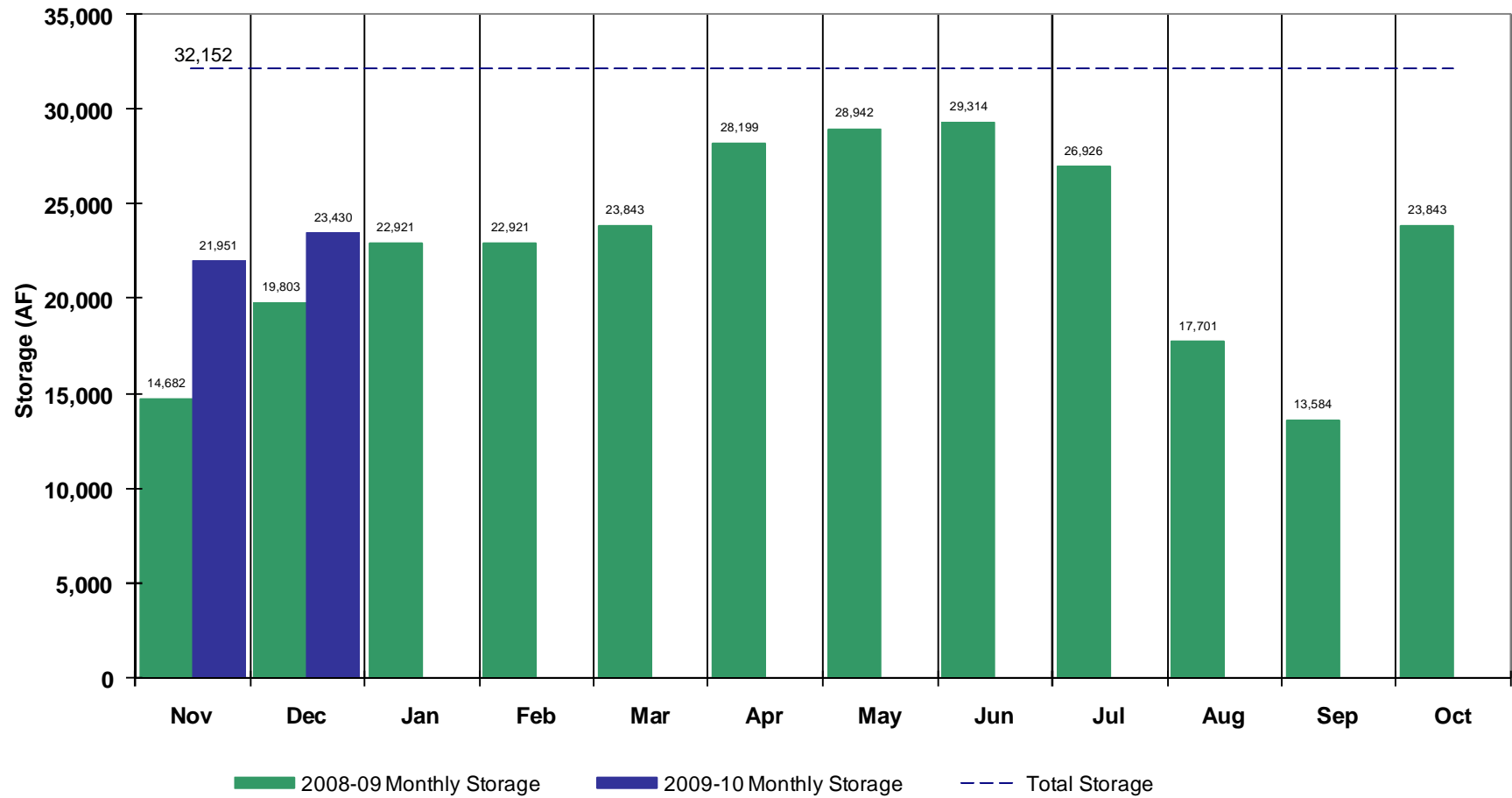
# Riverside Reservoir

(District 1 - Agricultural)



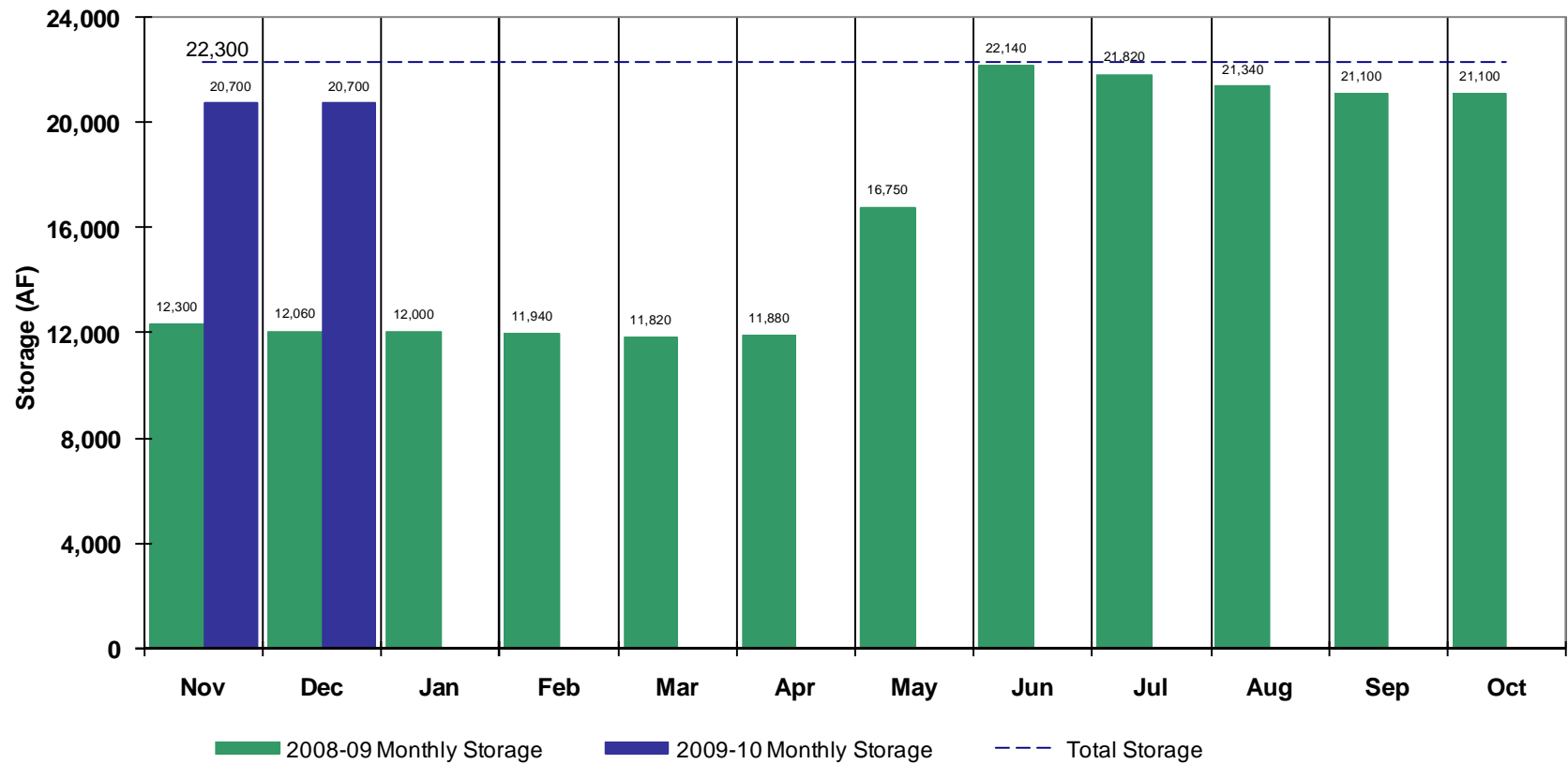
# Barr Lake

(District 2 - Agricultural)



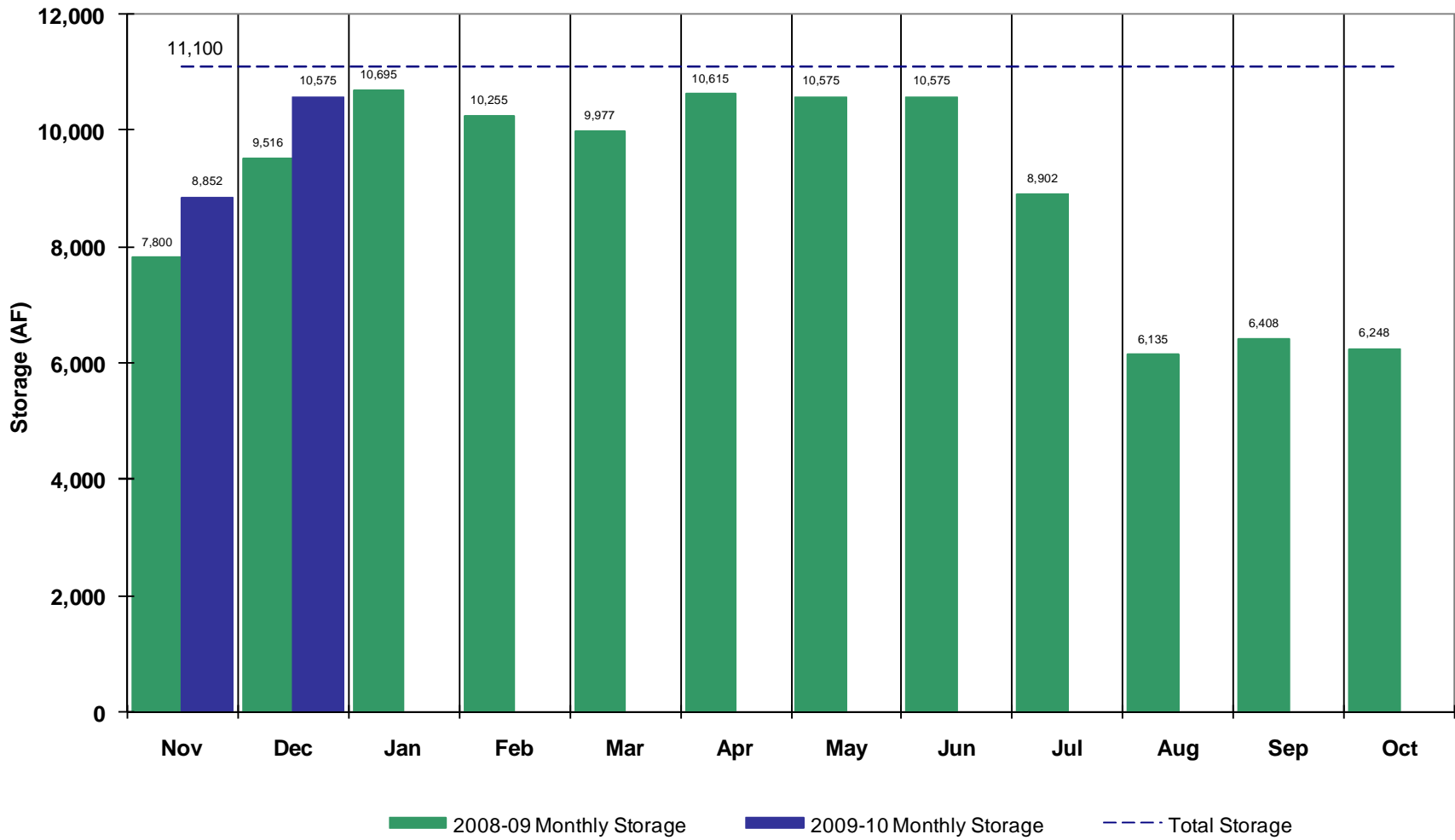
# Cobb Lake

(District 3, Poudre River - Agricultural)



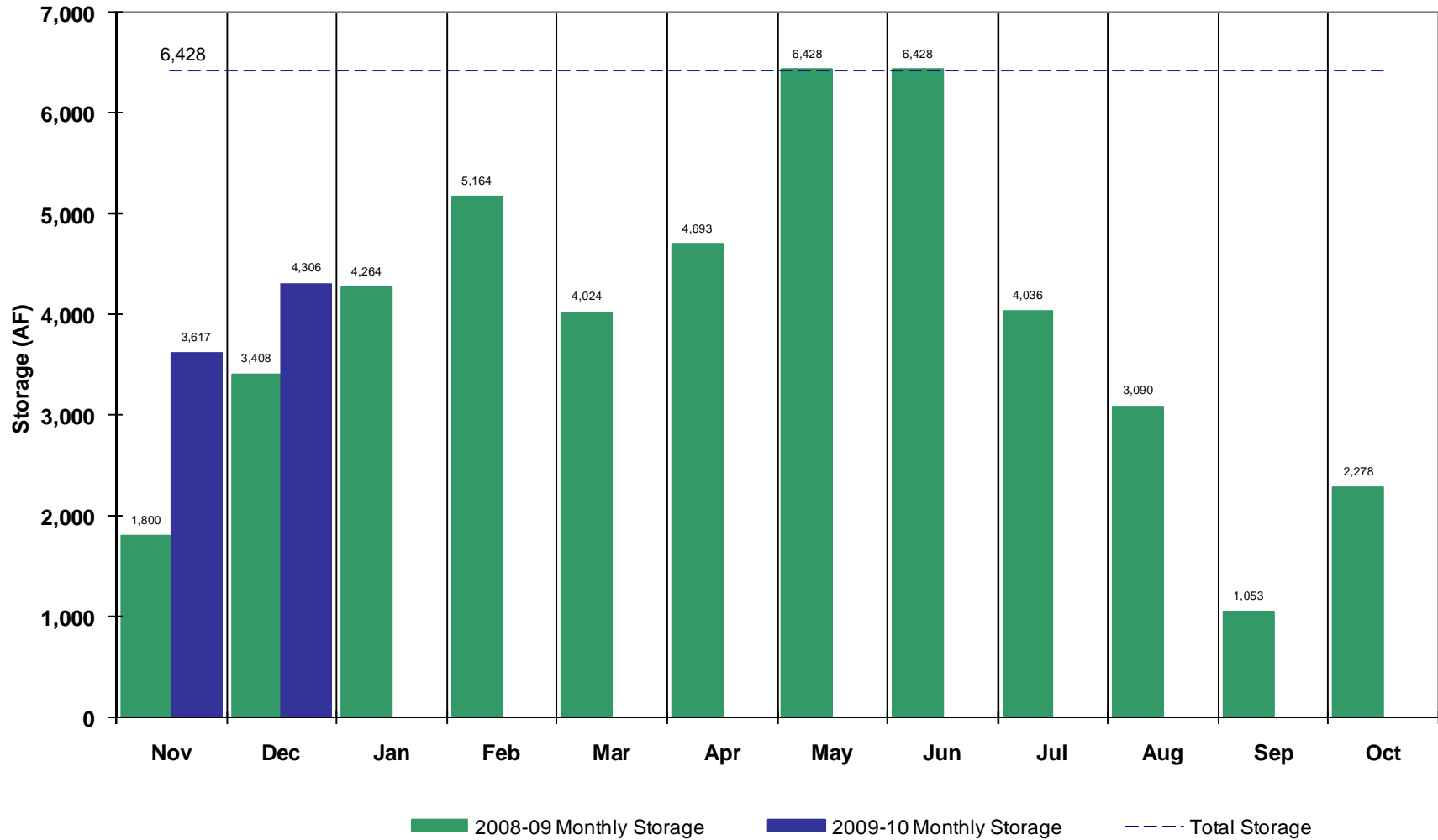
# Fossil Creek Reservoir

(District 3, Poudre River - Agricultural)



# Halligan Reservoir

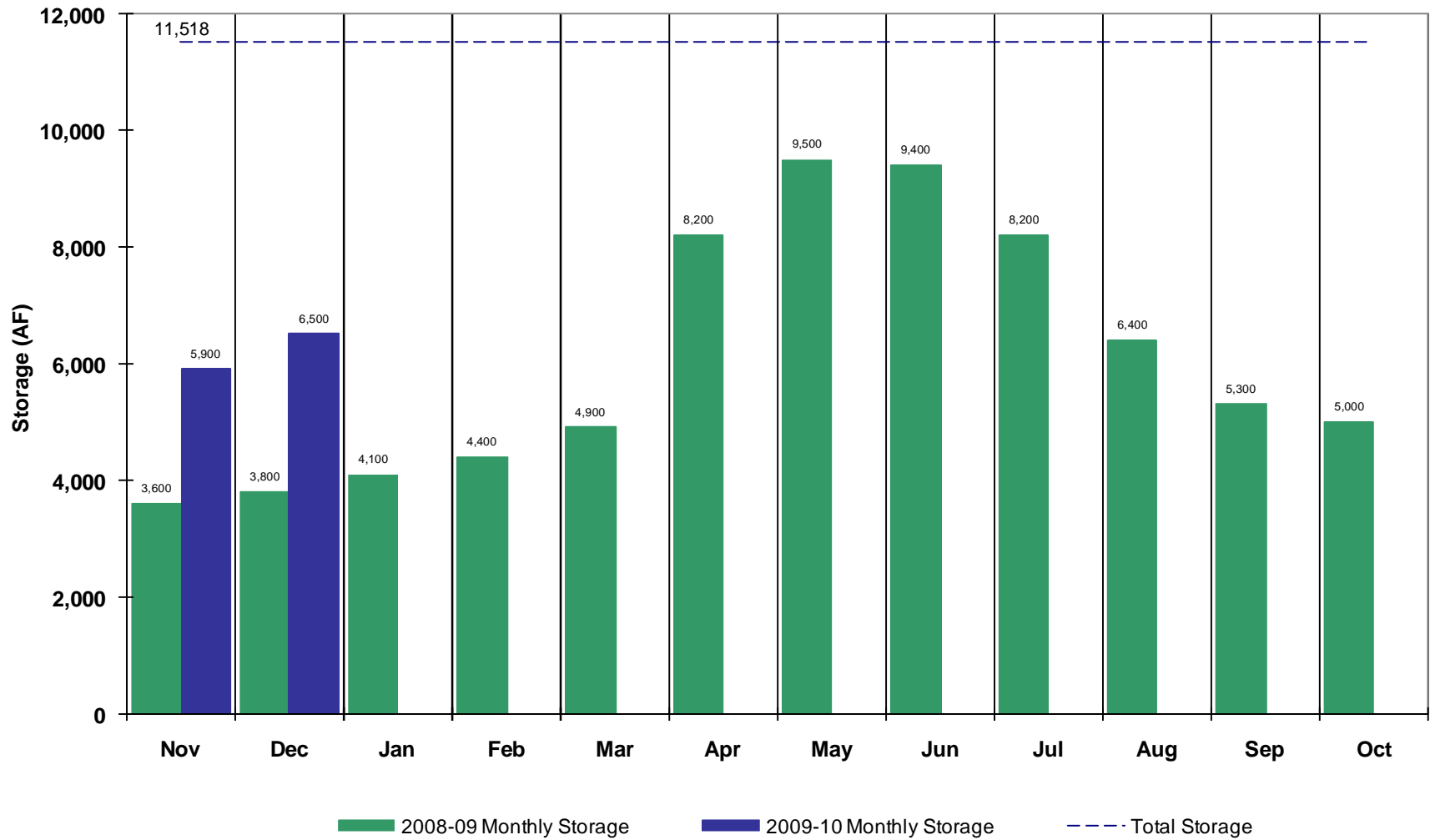
(District 3, Poudre River - Agricultural)





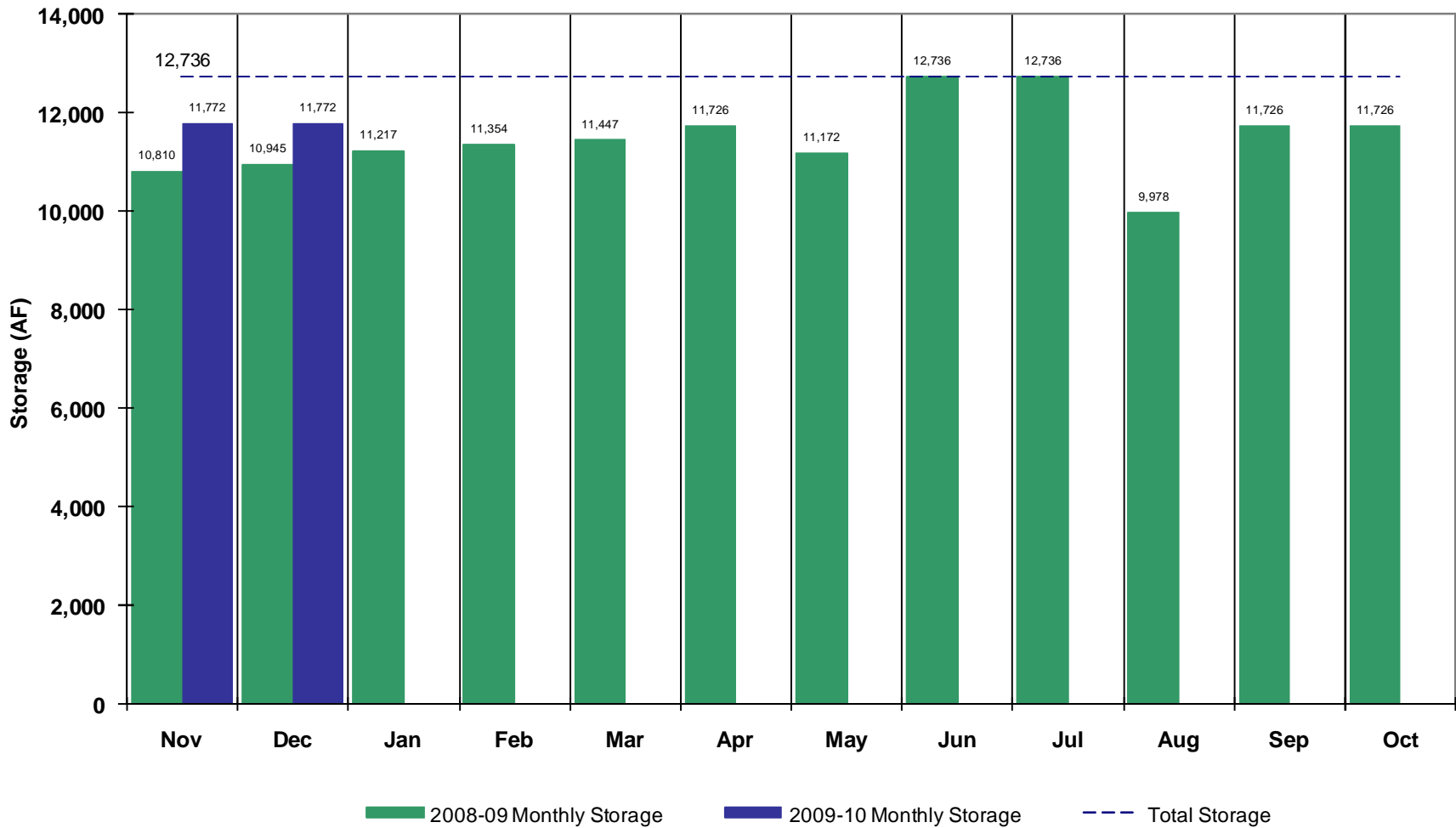
# Marshall Lake

(District 6, Boulder Creek - Agricultural)



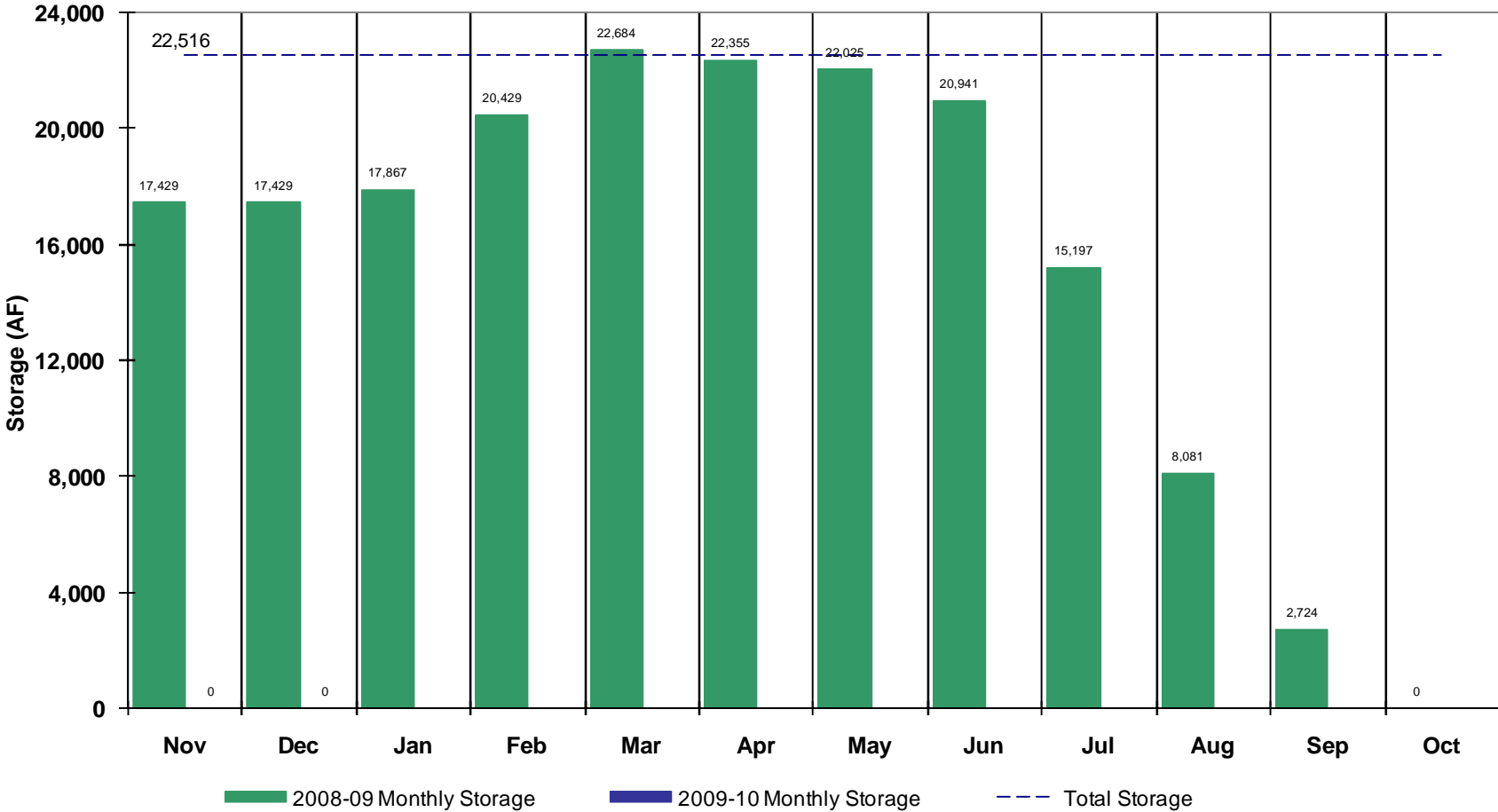
# Loveland Greeley Reservoir

(District 4, Big Thompson River - Agricultural)



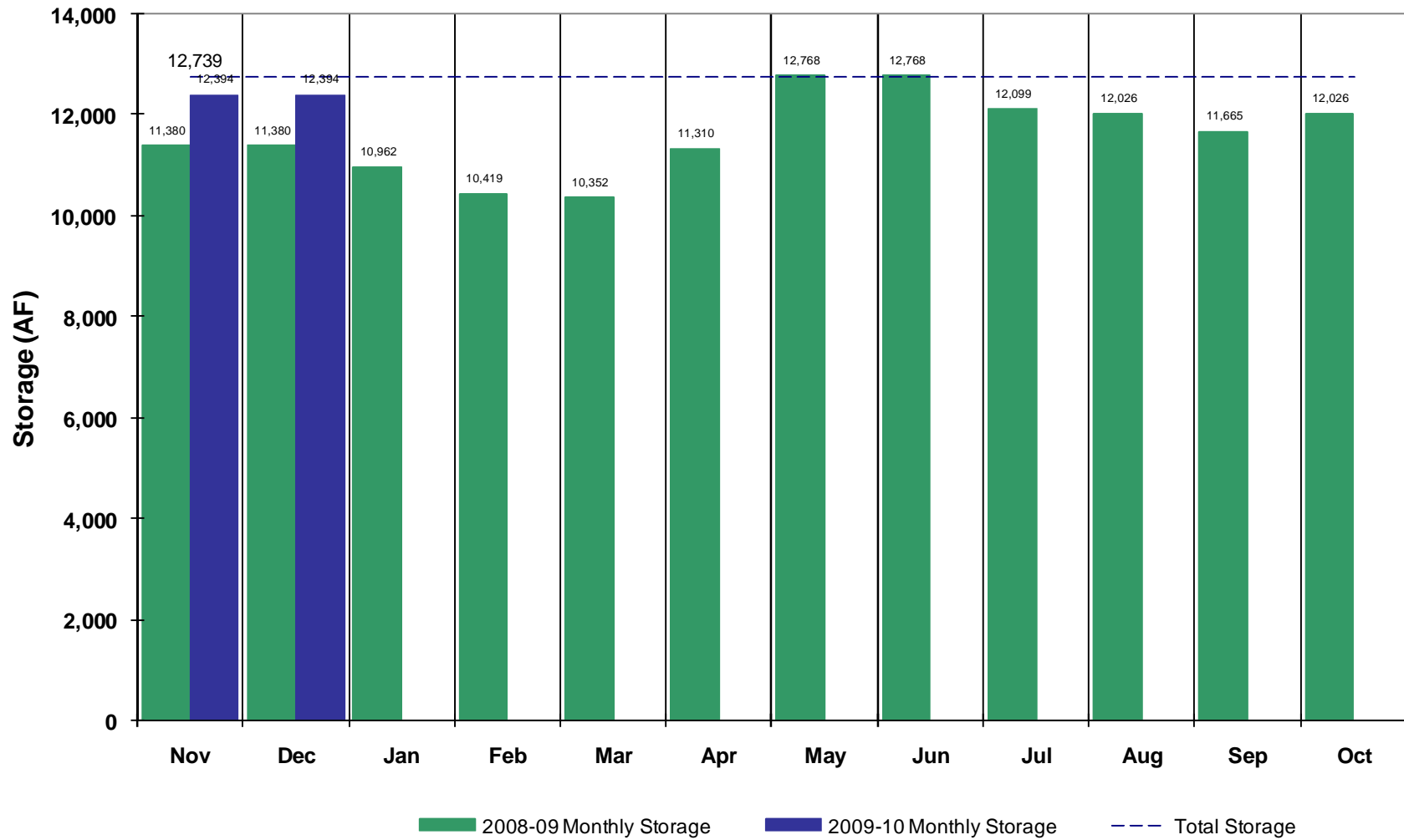
# Milton Reservoir

(District 2 - Agricultural)

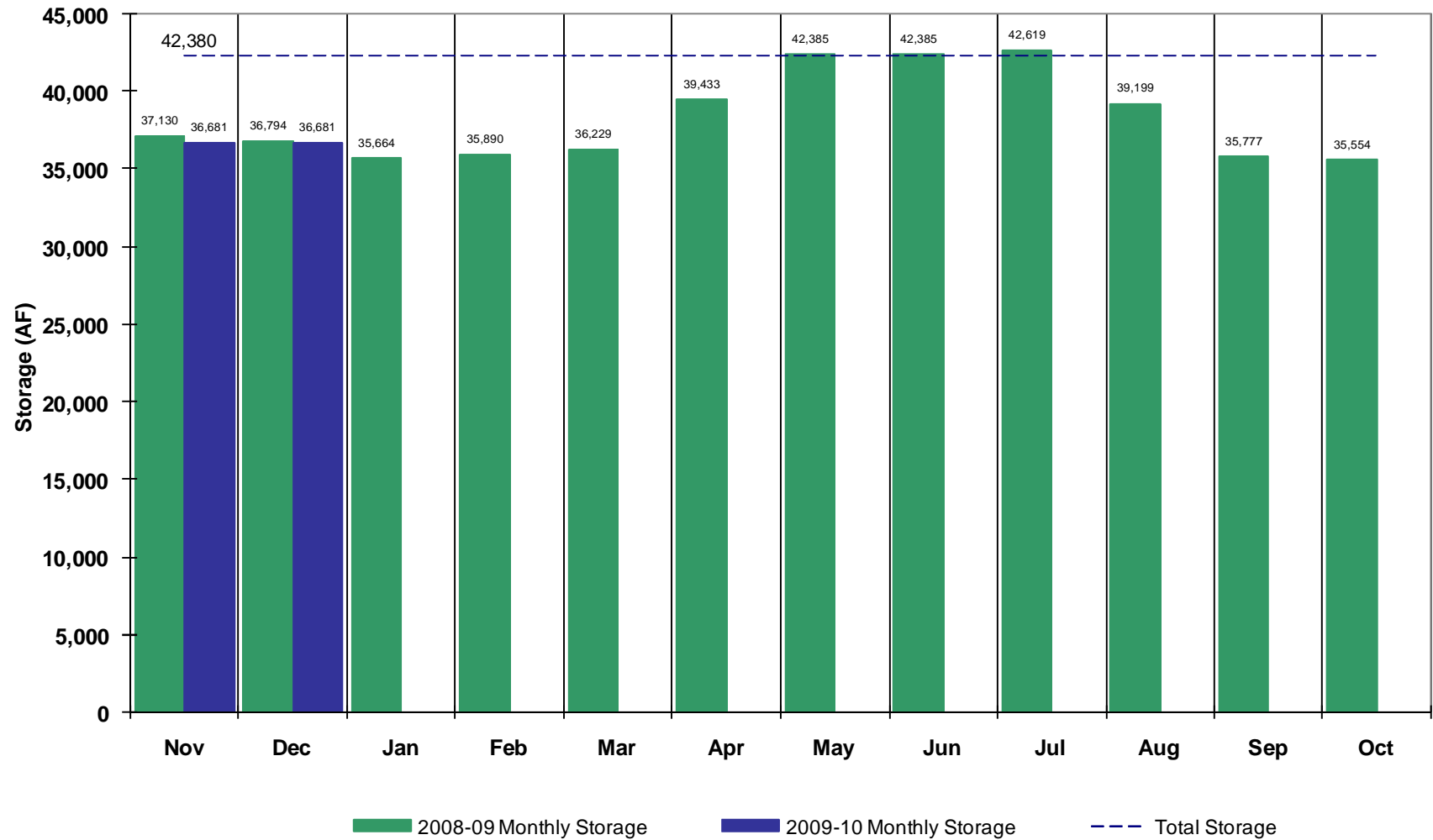


# Union Reservoir

(District 5, St. Vrain Creek - Agricultural)

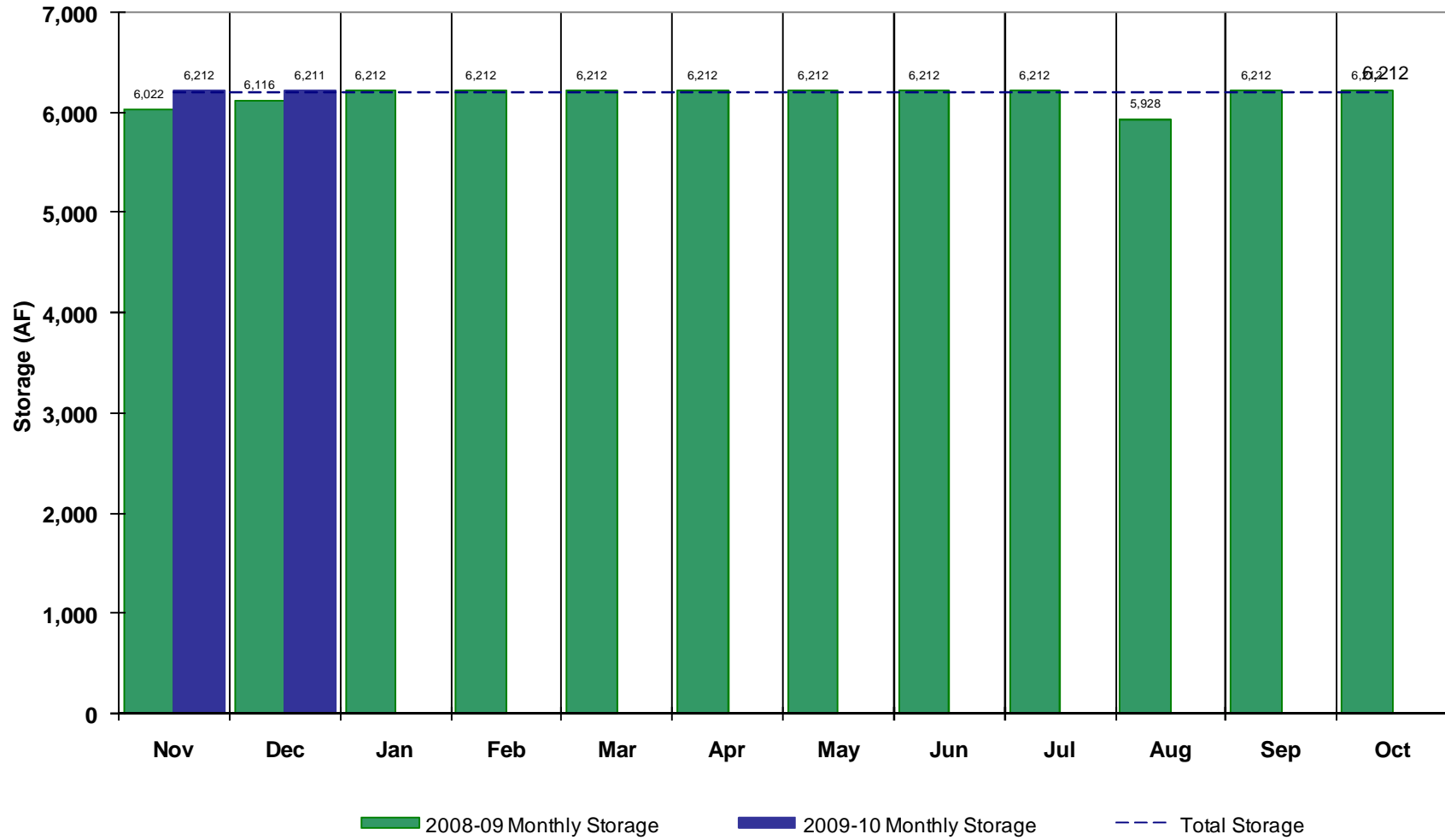


# Standley Lake (Agricultural)



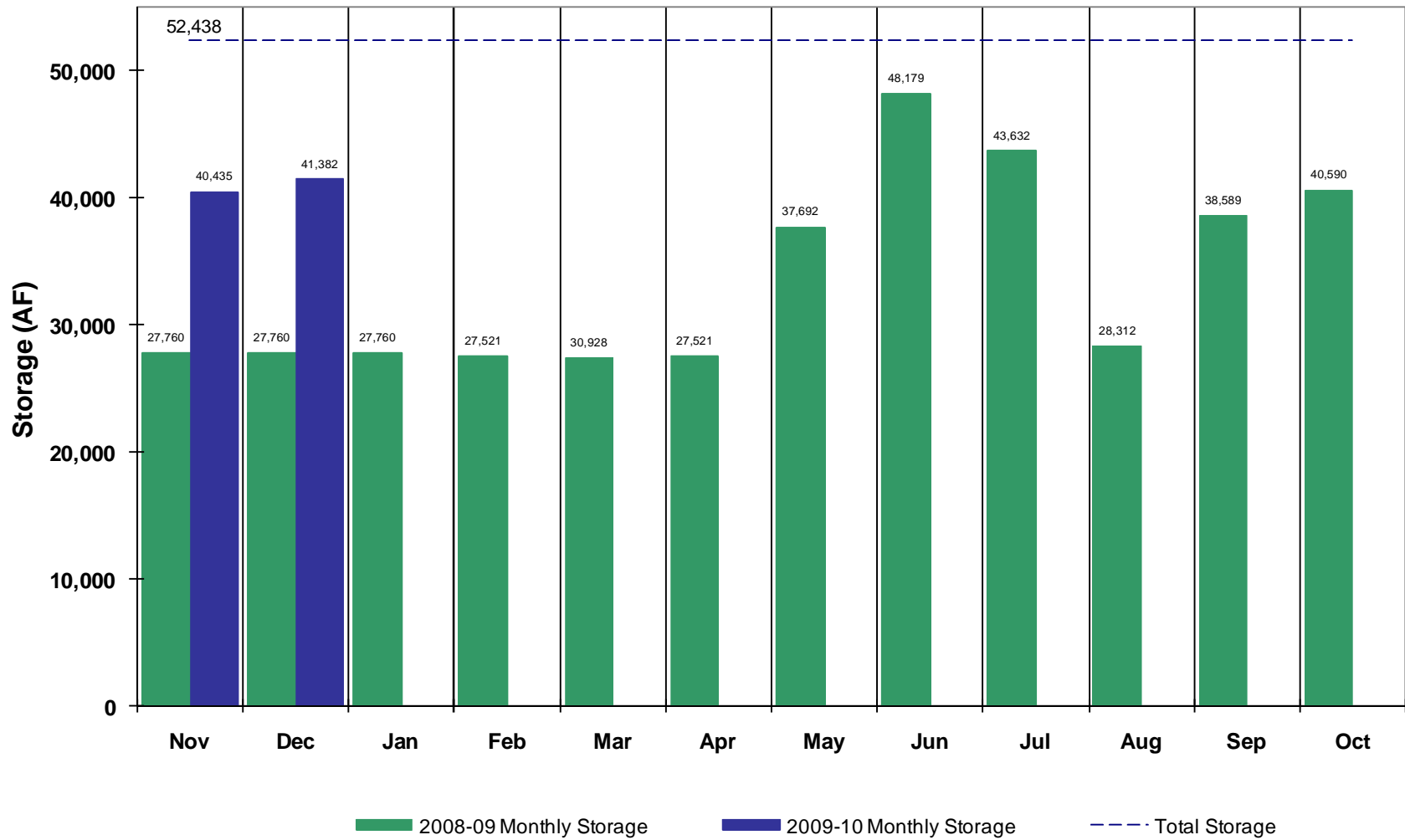
# Lower Latham Reservoir

(District 2 - Agricultural)



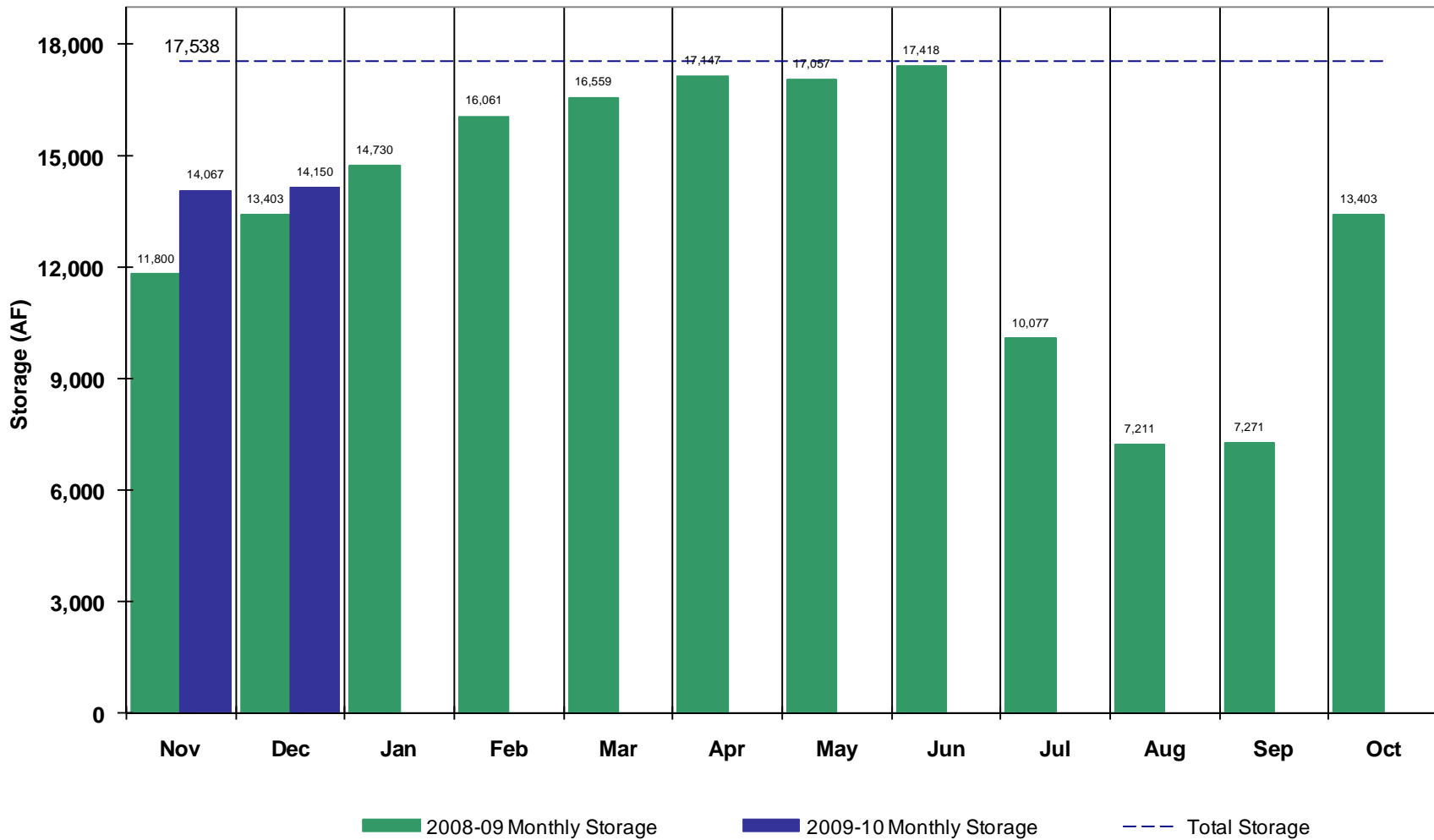
# Boyd Lake

(District 4, Big Thompson River - Agricultural)



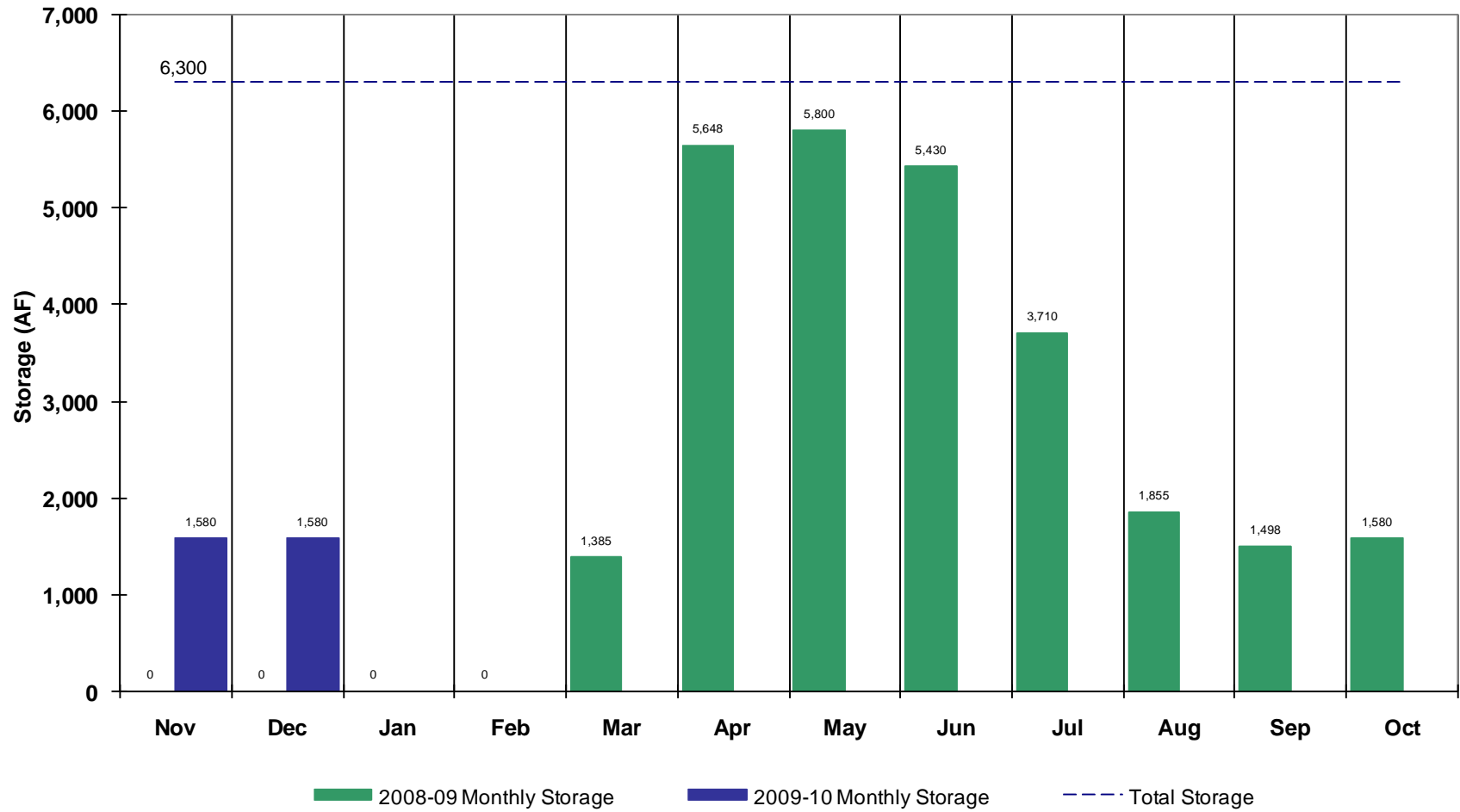
# Windsor Reservoir

(District 3, Poudre River - Agricultural)



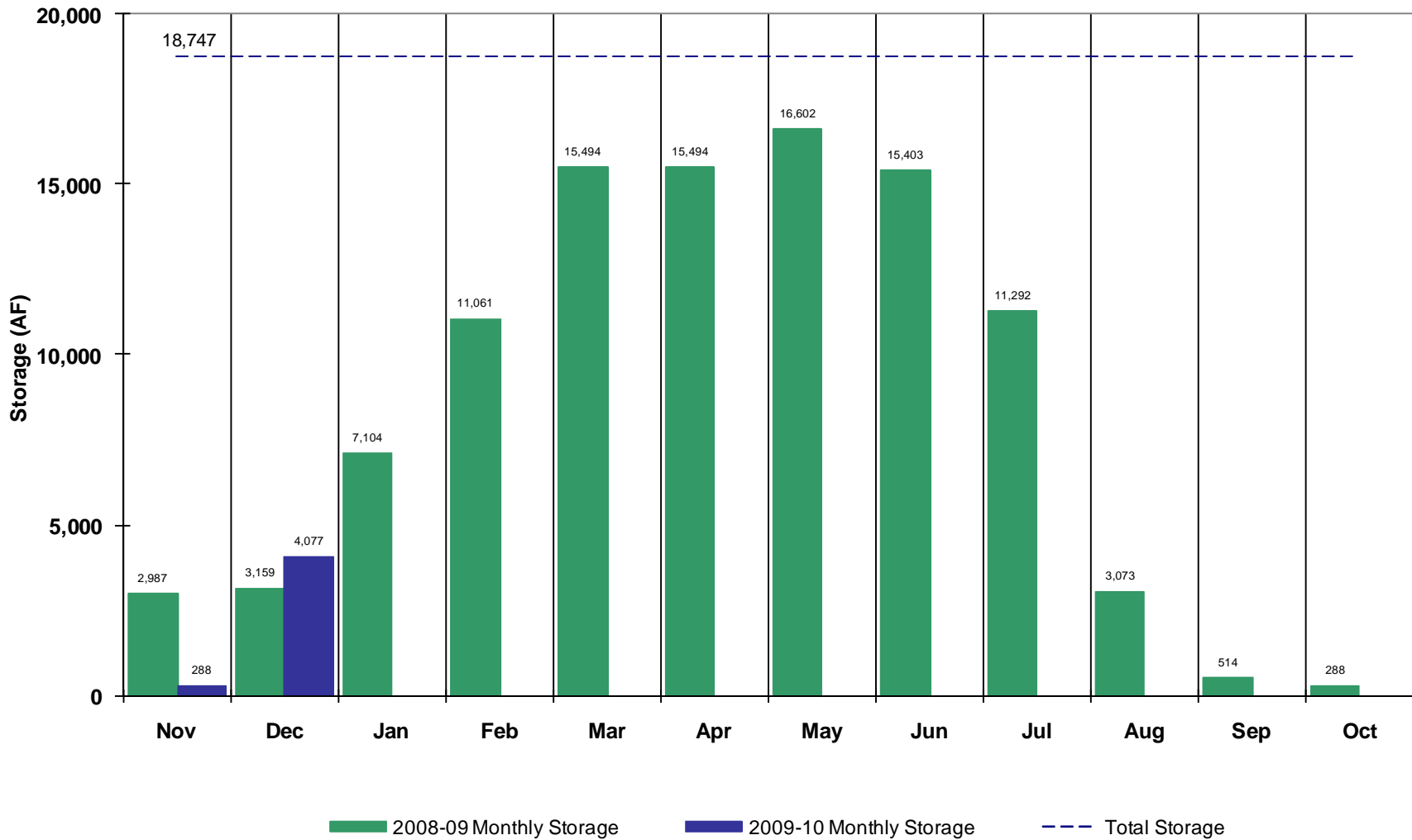


# Prospect Reservoir (District 1- Agricultural)

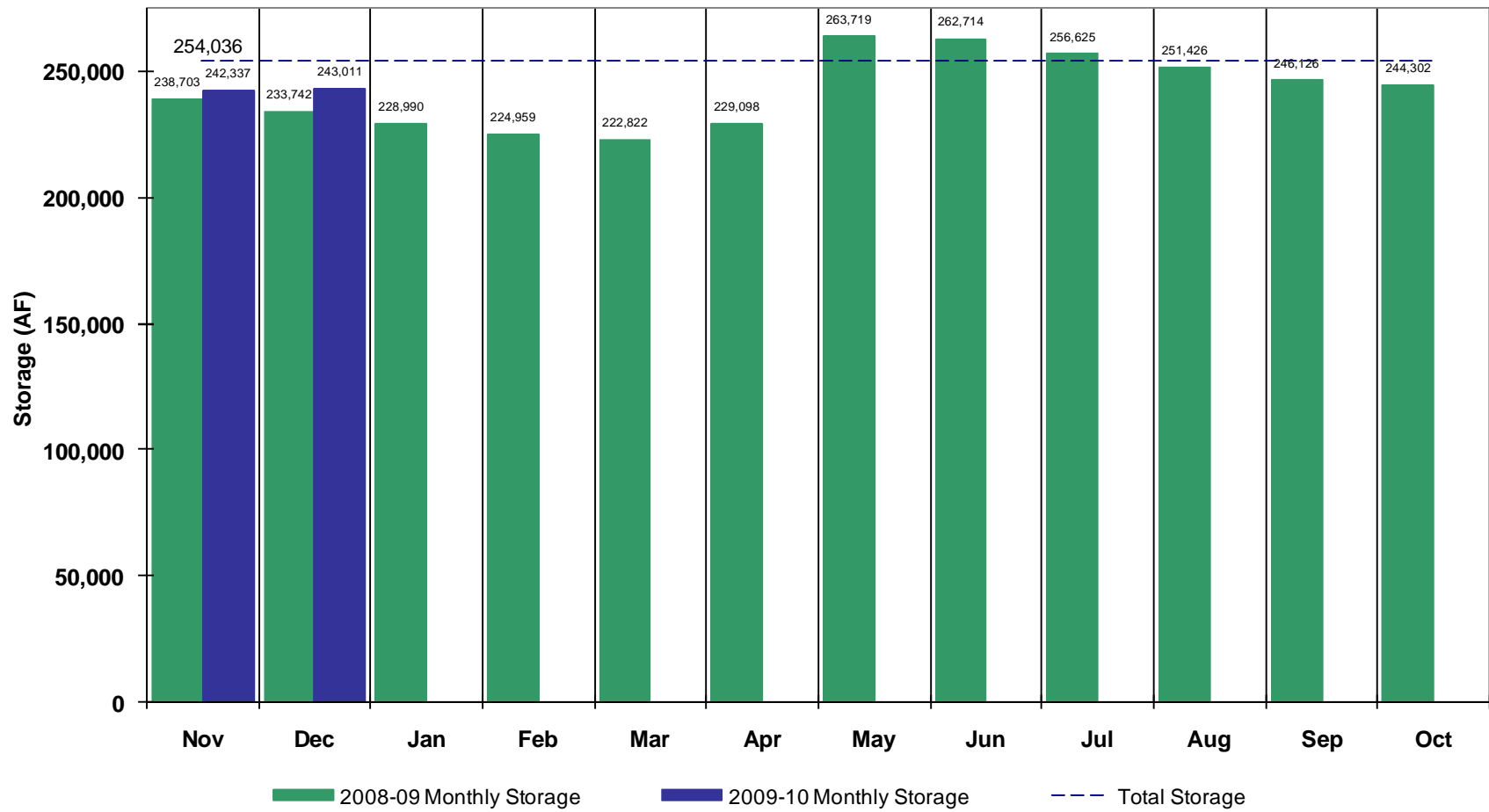


# Horse Creek Reservoir

(District 1 - Agricultural)

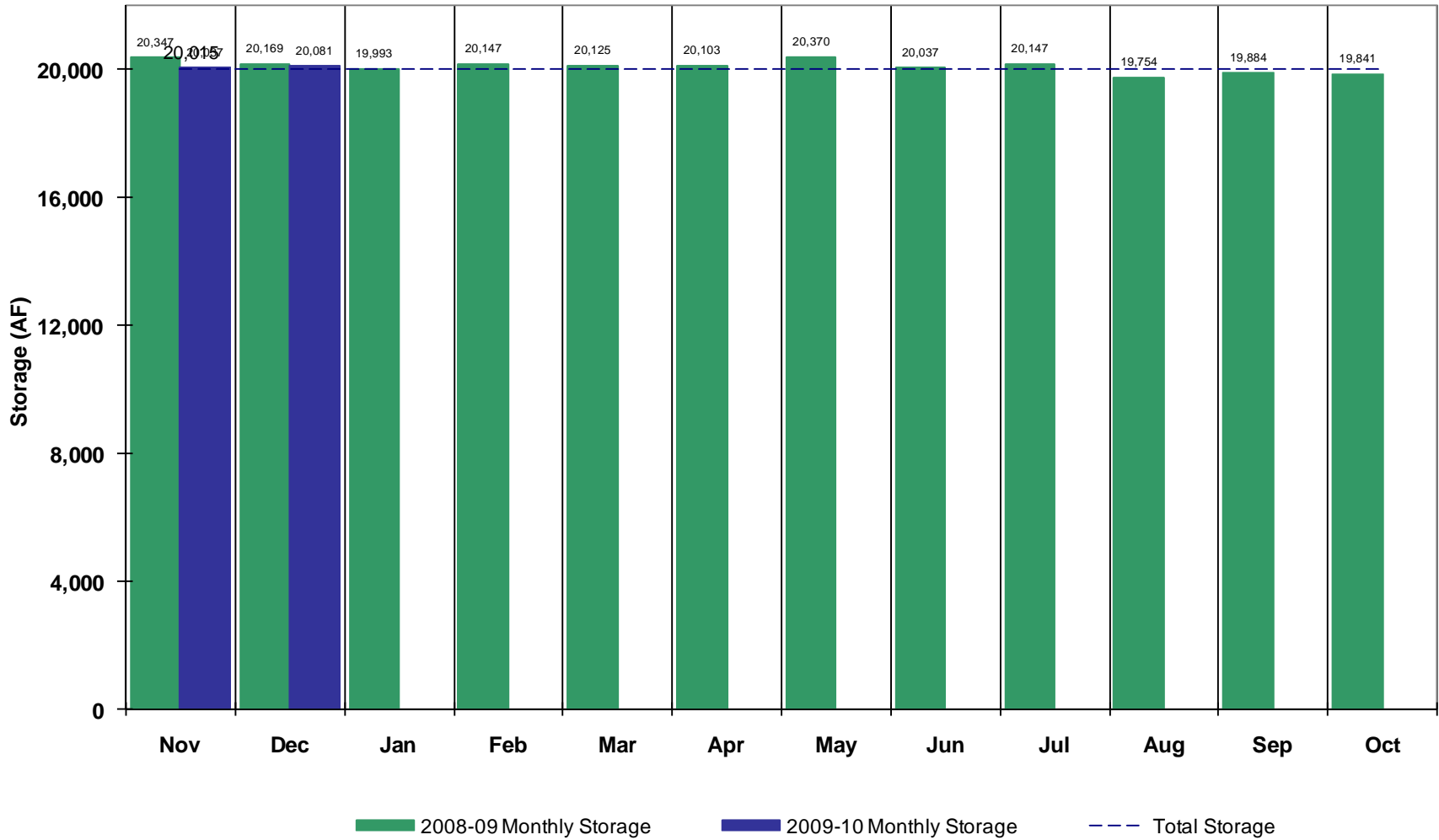


# Dillon Reservoir (Municipal)



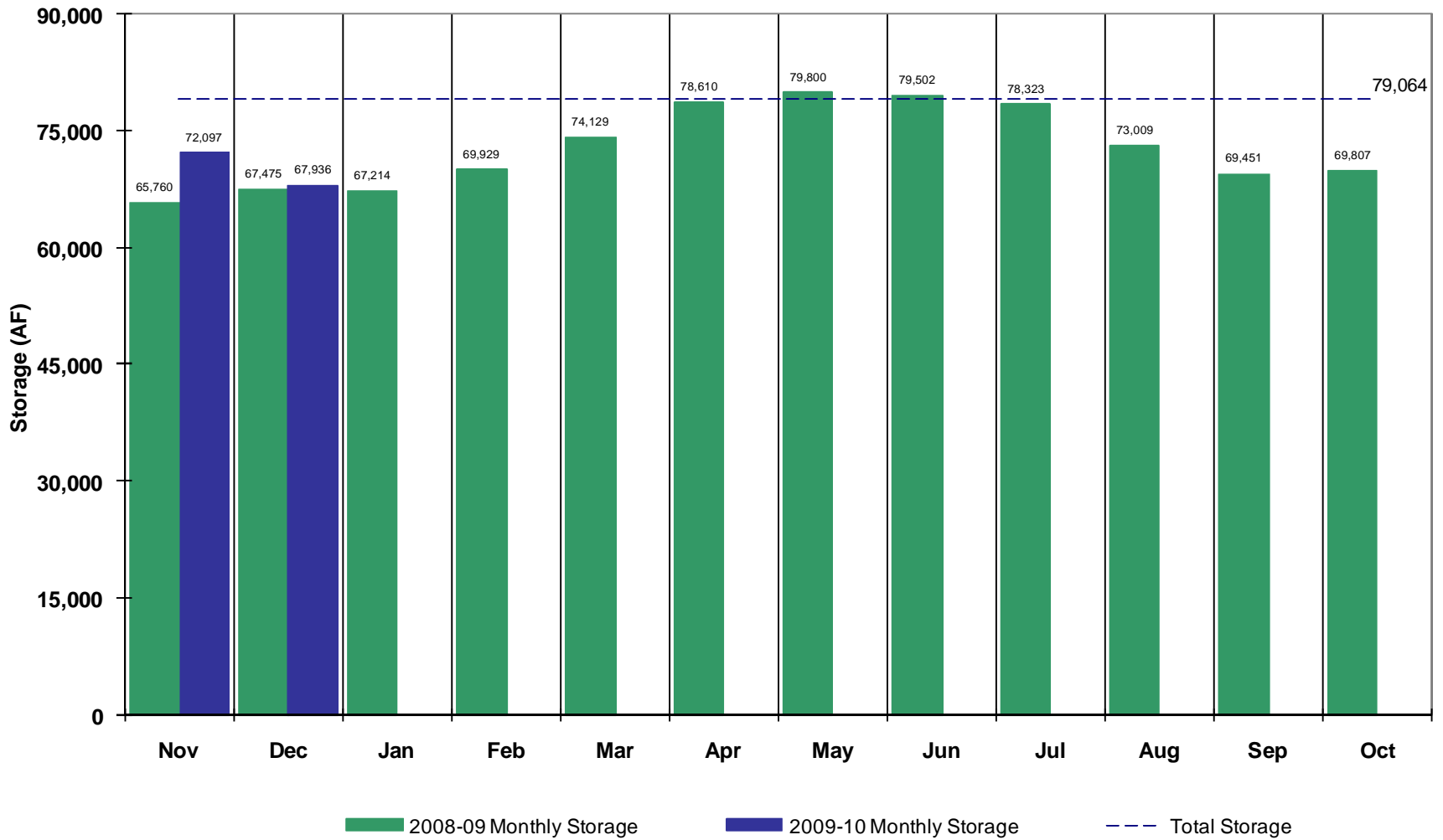
# Antero Reservoir

(District 23 - Municipal)



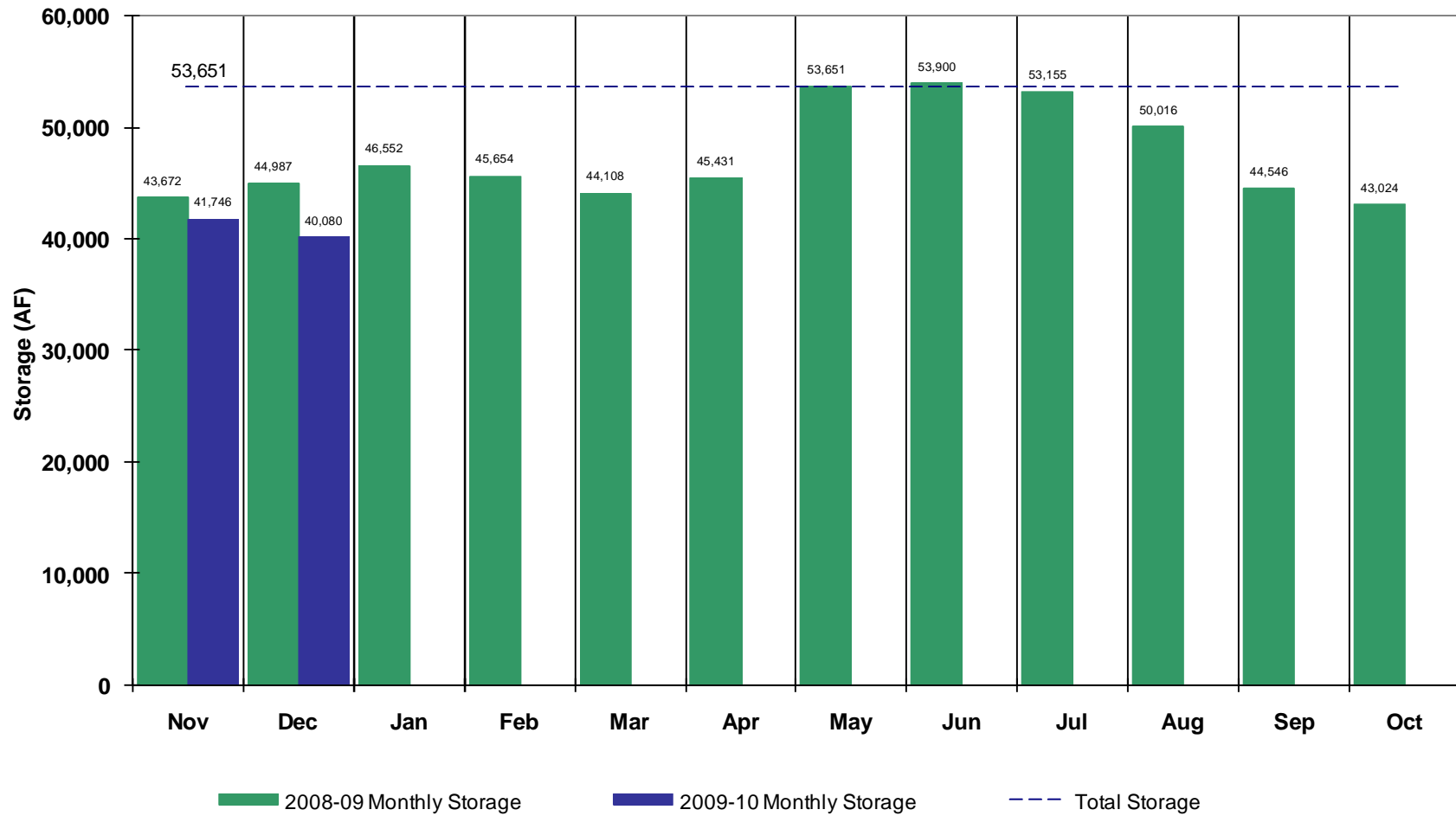
# Cheesman Reservoir

(District 80 - Municipal)



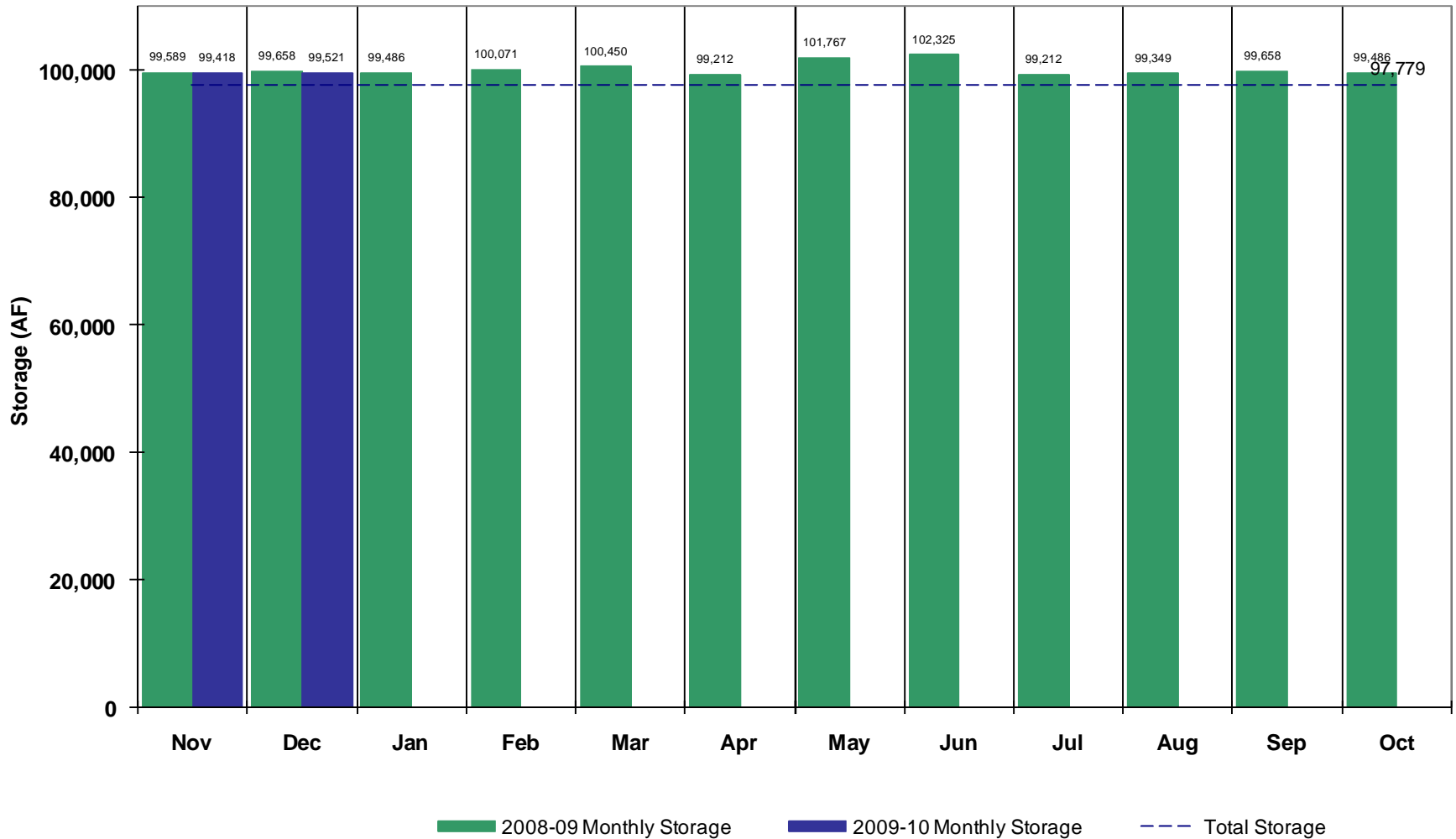
# Spinney Mountain Reservoir

(District 23 - Municipal)

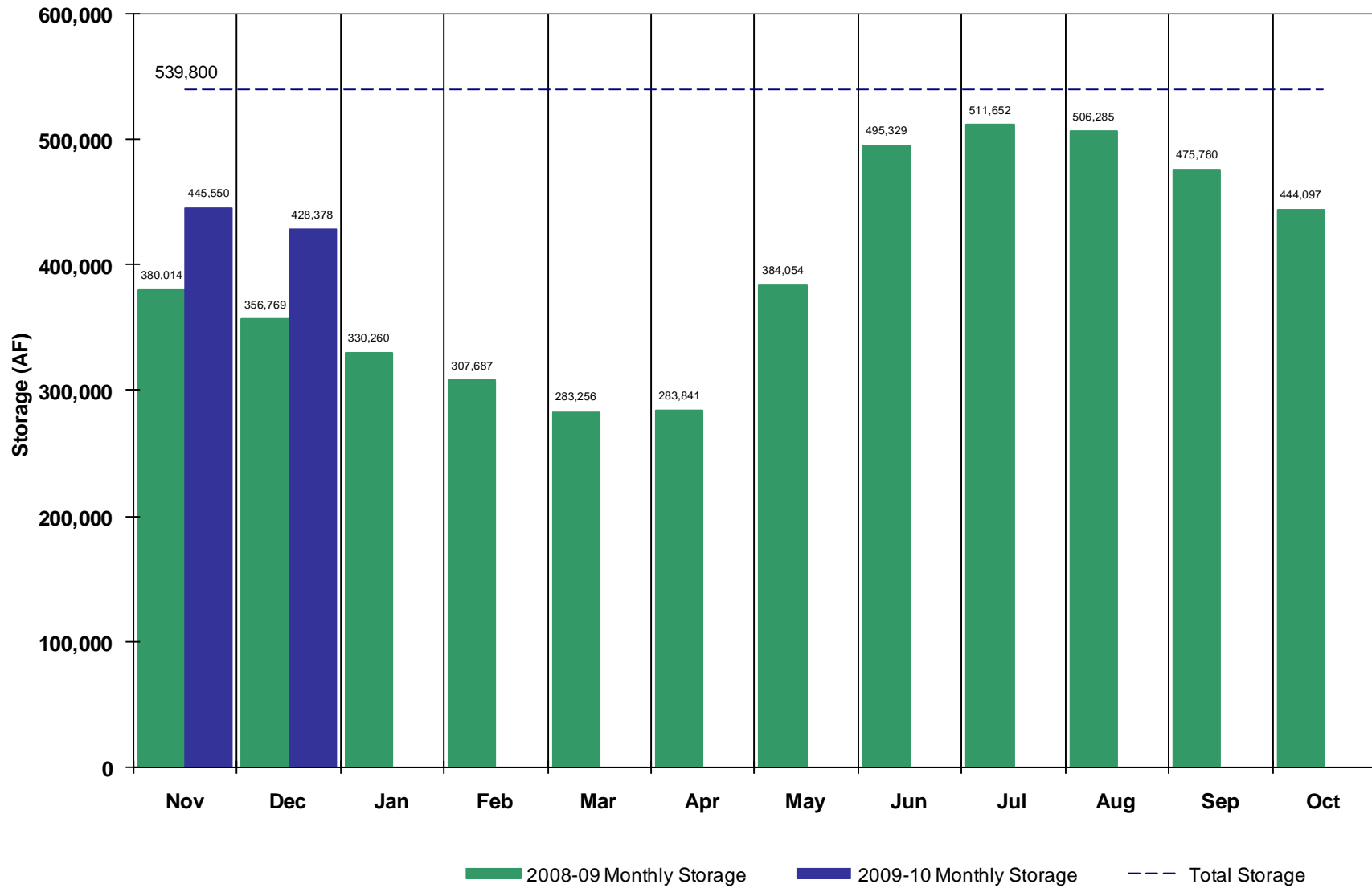


# Eleven Mile Reservoir

## (District 23 - Municipal)



# Lake Granby





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



**South Platte River below Strontia Springs Dam  
(Photo by Jana Ash)**