

# South Platte Summary

## JUNE 2010



Compiled by Lee Cuning



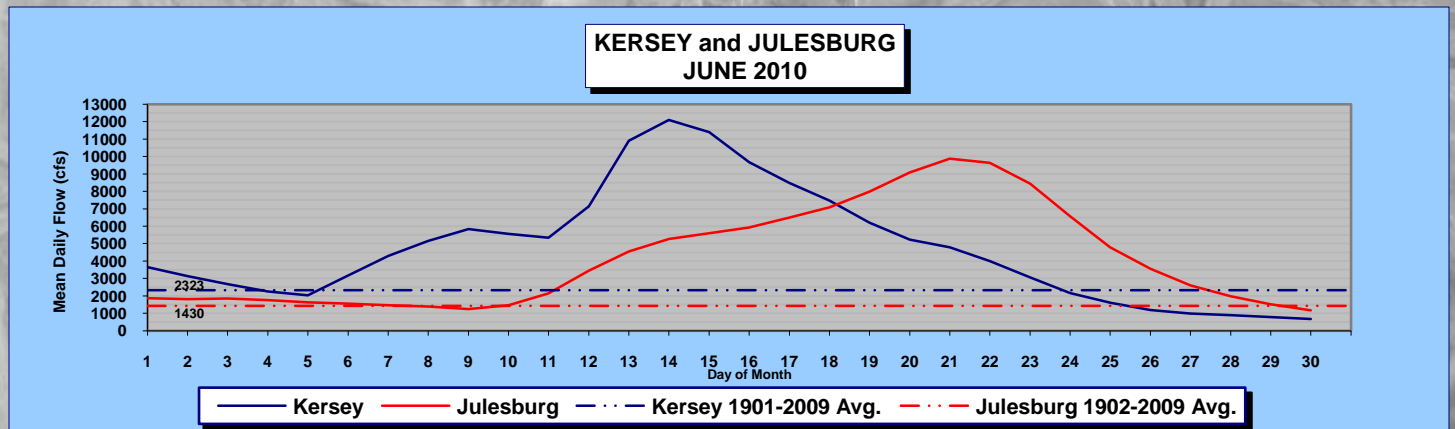
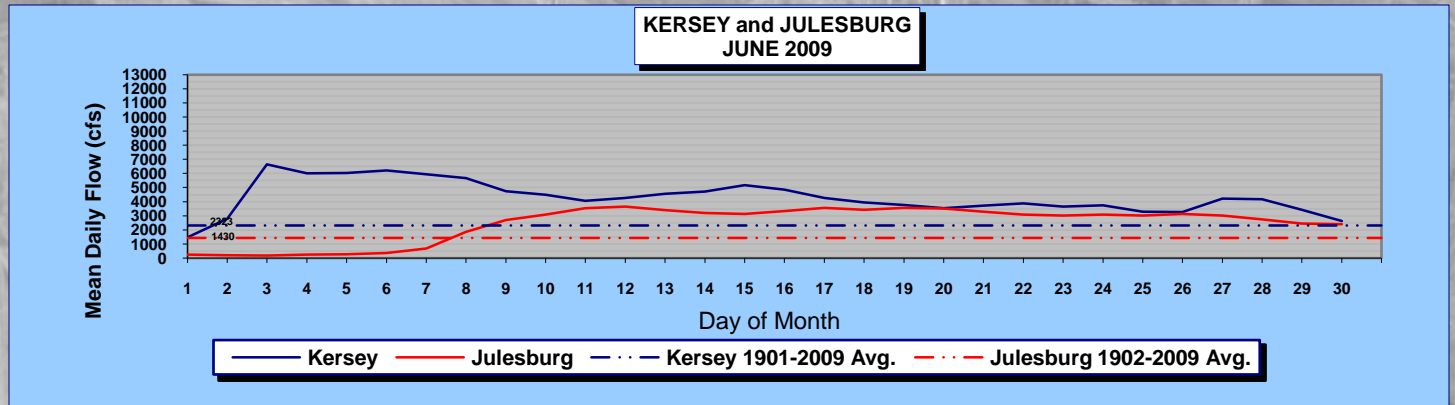
South Platte River at Kersey Bridge  
(June 13, 2010)

# COLORADO DIVISION OF WATER RESOURCES, DIVISION 1

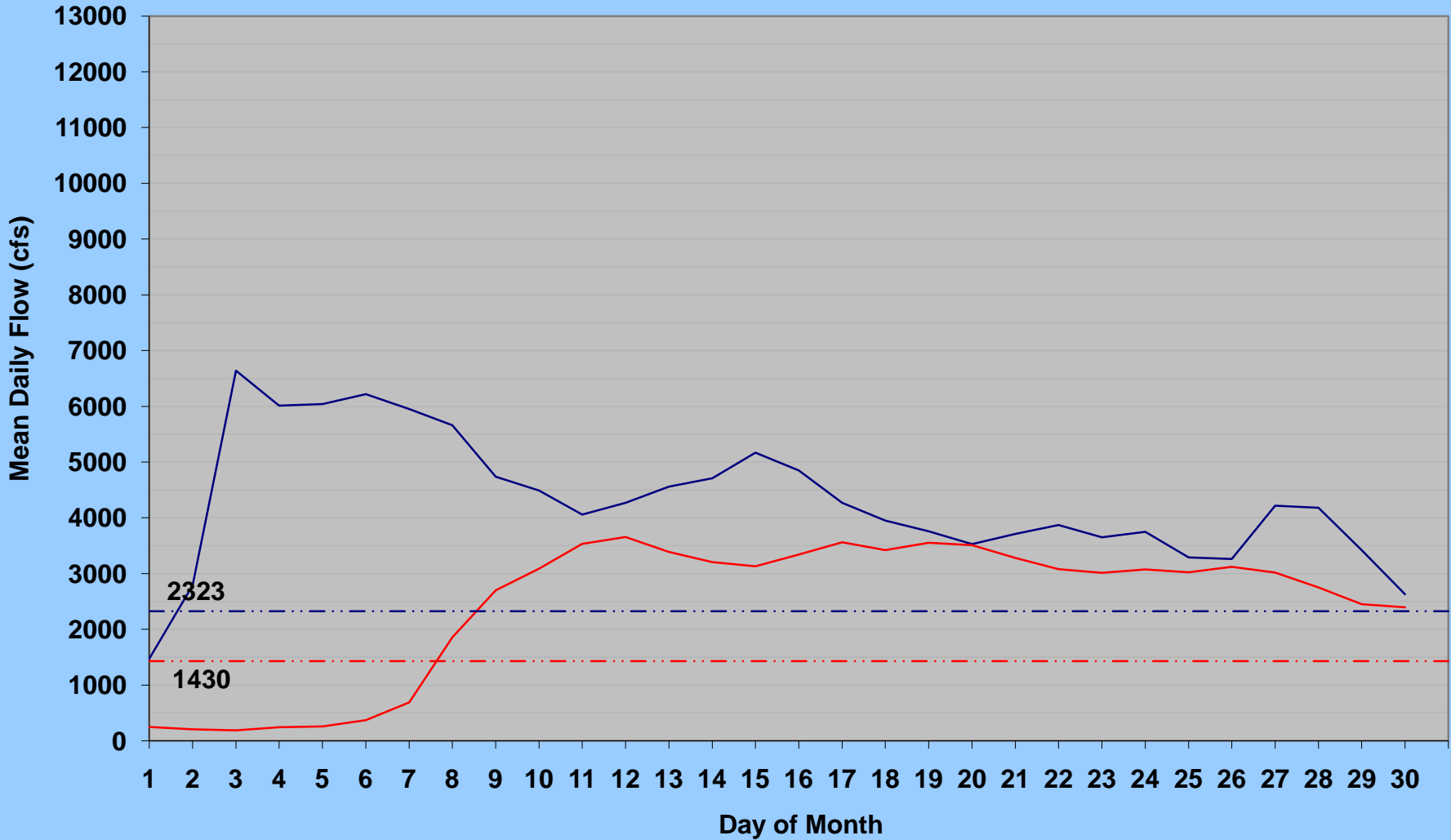
## MONTH OF JUNE 2010

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	21,940	21,001	64	-939	-4%	93%	94%	0
N STERLING	73,730	72,441	70,460	64	-1,981	-3%	96%	98%	0
PREWITT	28,500	27,447	27,904	64	457	2%	98%	100%	0
JACKSON	27,257	27,257	27,149	1	-108	0%	100%	100%	0
EMPIRE	37,700	37,320	37,014	1	-306	-1%	98%	100%	0
RIVERSIDE	63,113	62,961	61,749	1	-1,212	-2%	98%	92%	0
BARR LAKE	31,652	29,127	28,384	2	-743	-3%	90%	91%	0
CHEESMAN	79,064	77,907	78,080	80	173	0%	99%	100%	0
ELEVEN MILE	97,779	99,143	100,312	23	1,169	1%	100%	100%	2,533
SPINNEY	53,651	48,149	52,663	23	4,514	9%	98%	100%	0
ANTERO	20,015	20,059	20,147	23	88	0%	100%	100%	132

RIVER GAGES	MEAN DAILY FLOW (CFS)
<b>KERSEY</b>	<b>4727</b>
<b>JULESBURG</b>	<b>4124</b>
<b>THIS MONTH LAST YEAR</b>	
<b>KERSEY</b>	<b>4304</b>
<b>JULESBURG</b>	<b>2445</b>
<b>MEAN FOR PERIOD OF RECORD*</b>	
<b>KERSEY</b>	<b>2323</b>
<b>JULESBURG</b>	<b>1430</b>
* 1901-2009	
1902-2009	

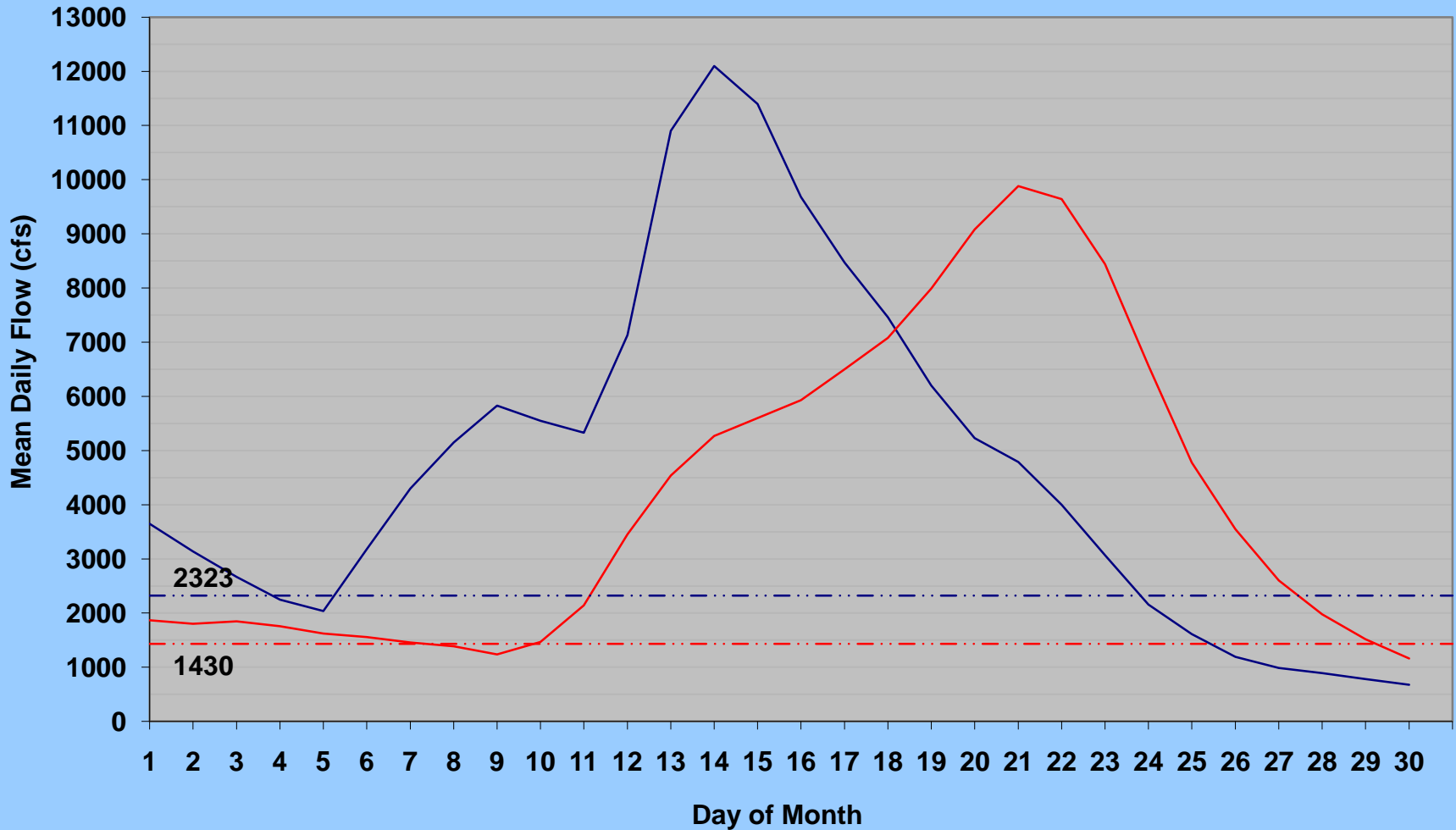


# KERSEY and JULESBURG JUNE 2009



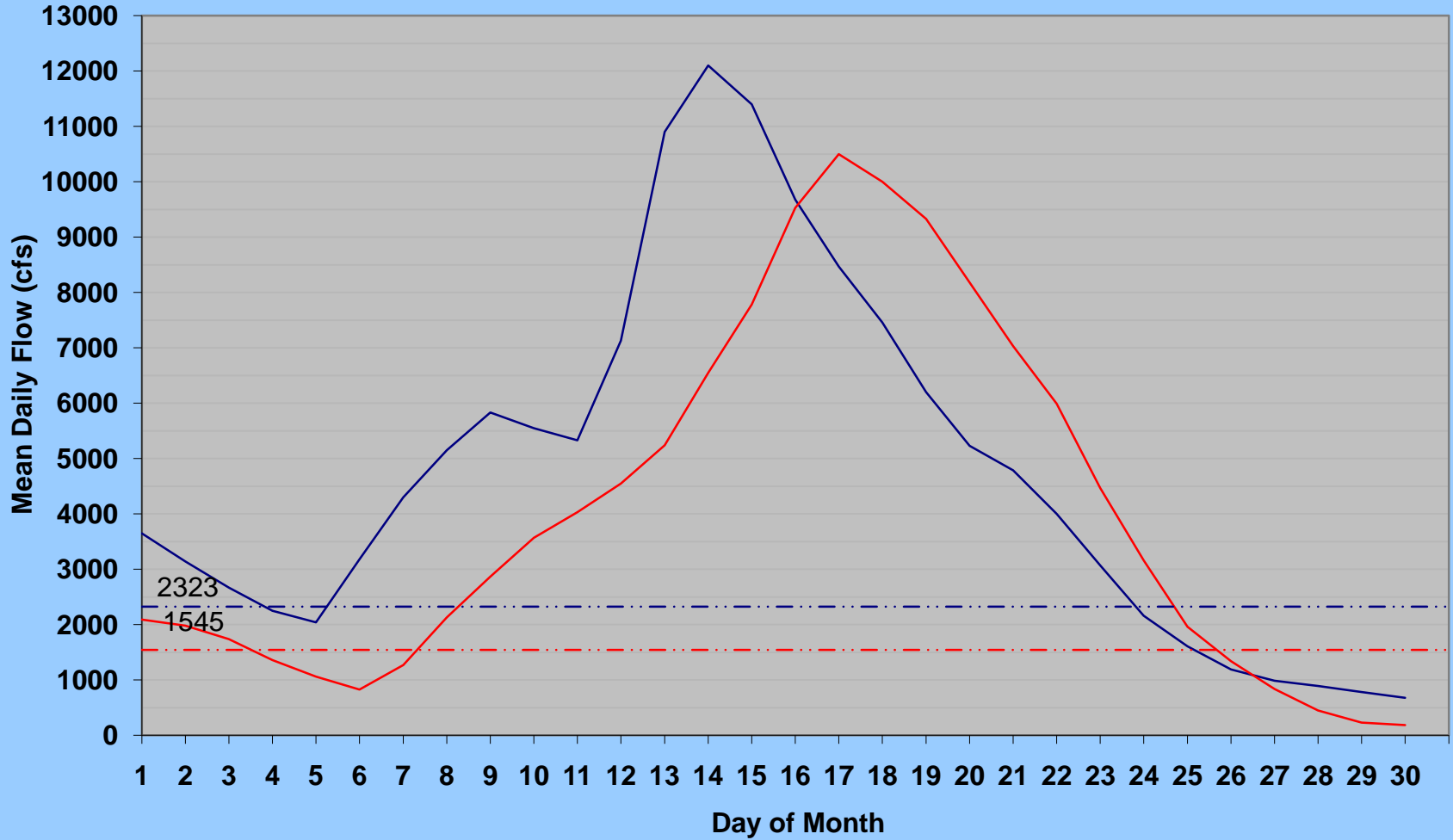
— Kersey — Julesburg — ··· Kersey 1901-2009 Avg. — ··· Julesburg 1902-2009 Avg.

# KERSEY and JULESBURG JUNE 2010



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

# KERSEY and BALZAC JUNE 2010



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

# South Platte River Monthly Stream Flow (cfs) Statistics

## South Platte River at Kersey

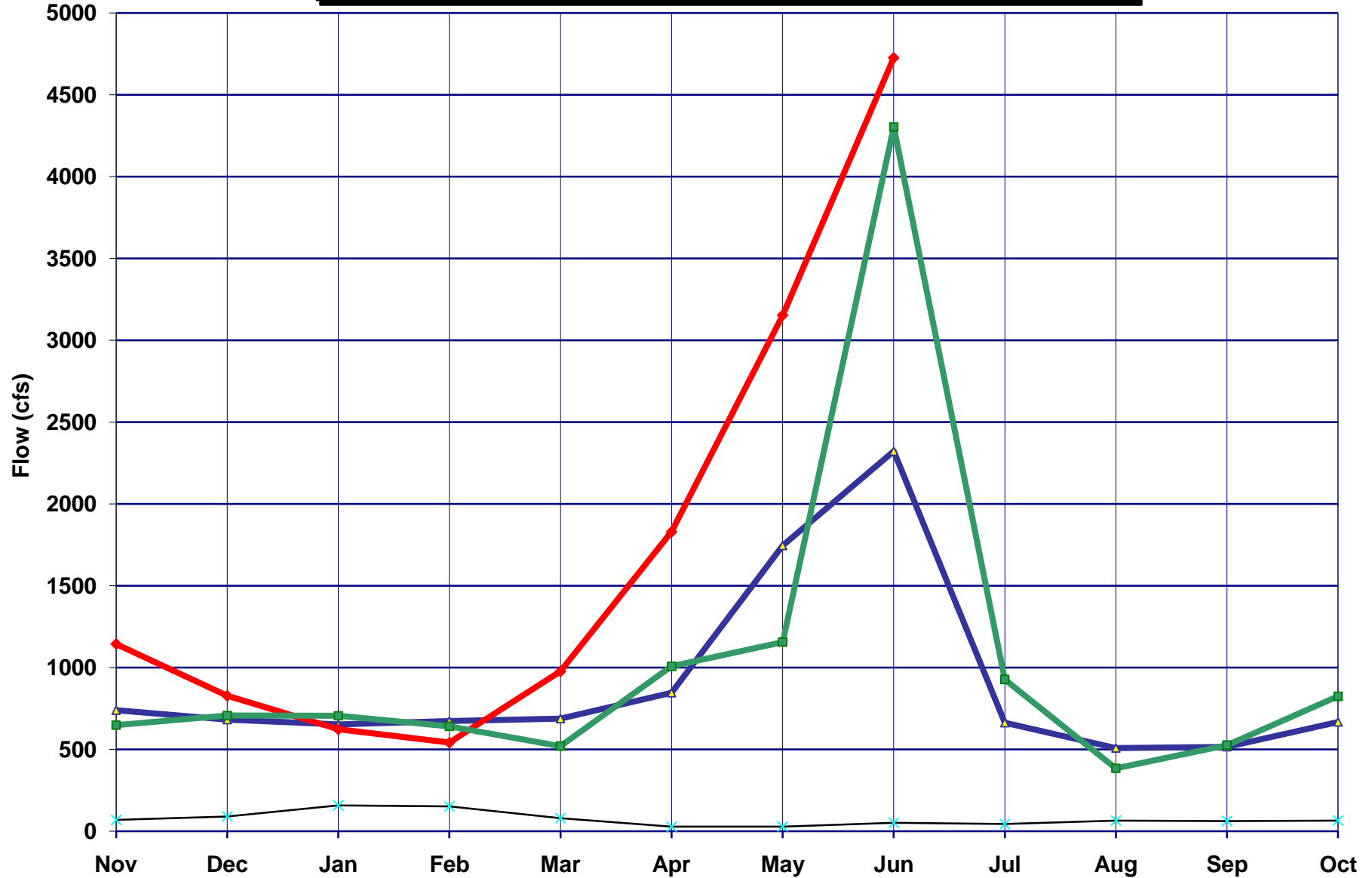
## South Platte River at Julesburg

Month	Historic* Mean Flow	Historic* Max Flow	Year	Historic* Min Flow	Year	IY 2010 Mean Monthly Flow	Month	Historic* Mean Flow	Historic* Max Flow	Year	Historic* Min Flow	Year	IY 2010 Mean Monthly Flow
Nov	740	3650	1984	70	1934	1145	Nov	335	2900	1984	4.2	1903	674
Dec	682	1890	1961	91	1934	828	Dec	397	1820	1984	13	2002	909
Jan	652	2160	1974	158	1935	623	Jan	509	2510	1970	21	2003	765
Feb	674	3060	1914	152	1935	542	Feb	582	3220	1930	29	2005	328
Mar	688	3470	1983	80	1935	977	Mar	522	12900	1910	15	1904	353
Apr	846	18100	1942	28	1955	1830	Apr	523	14400	1942	4.0	1904	722
May	1746	26100	1973	29	1955	3154	May	1003	18100	1973	12	1911	2274
Jun	2323	31000	1921	52	1954	4727	Jun	1430	30800	1921	2.0	1910	4124
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 1901-2009							*Period of record 1902-2009						

Big Thompson River near LaSalle  
(Photo by Lee Cunning)

# South Platte River at Kersey

Irrigation Water Year

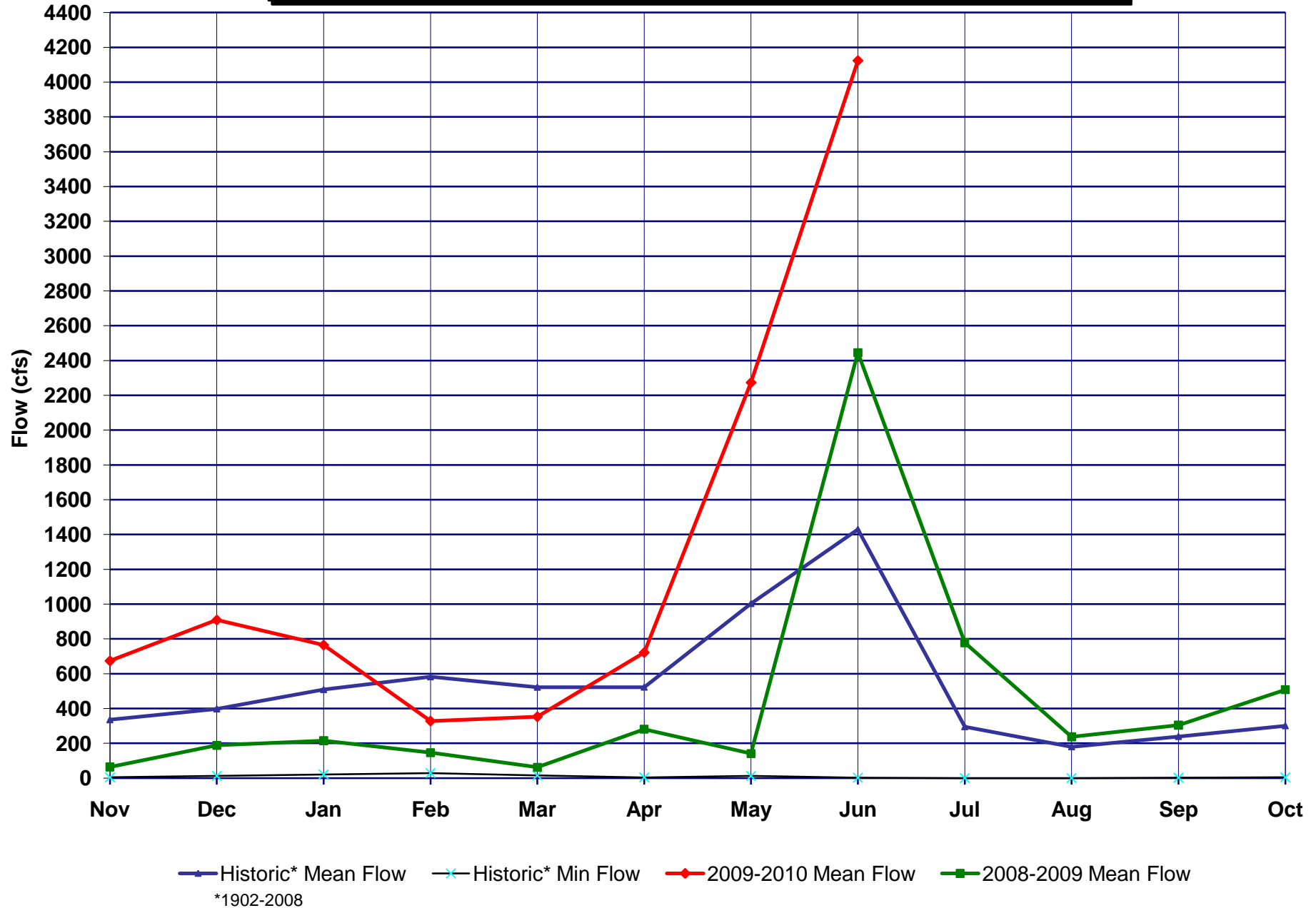


Historic\* Mean Flow    Historic\* Min Flow    2009-2010 Mean Flow    2008-2009 Mean Flow

\*1901-2008

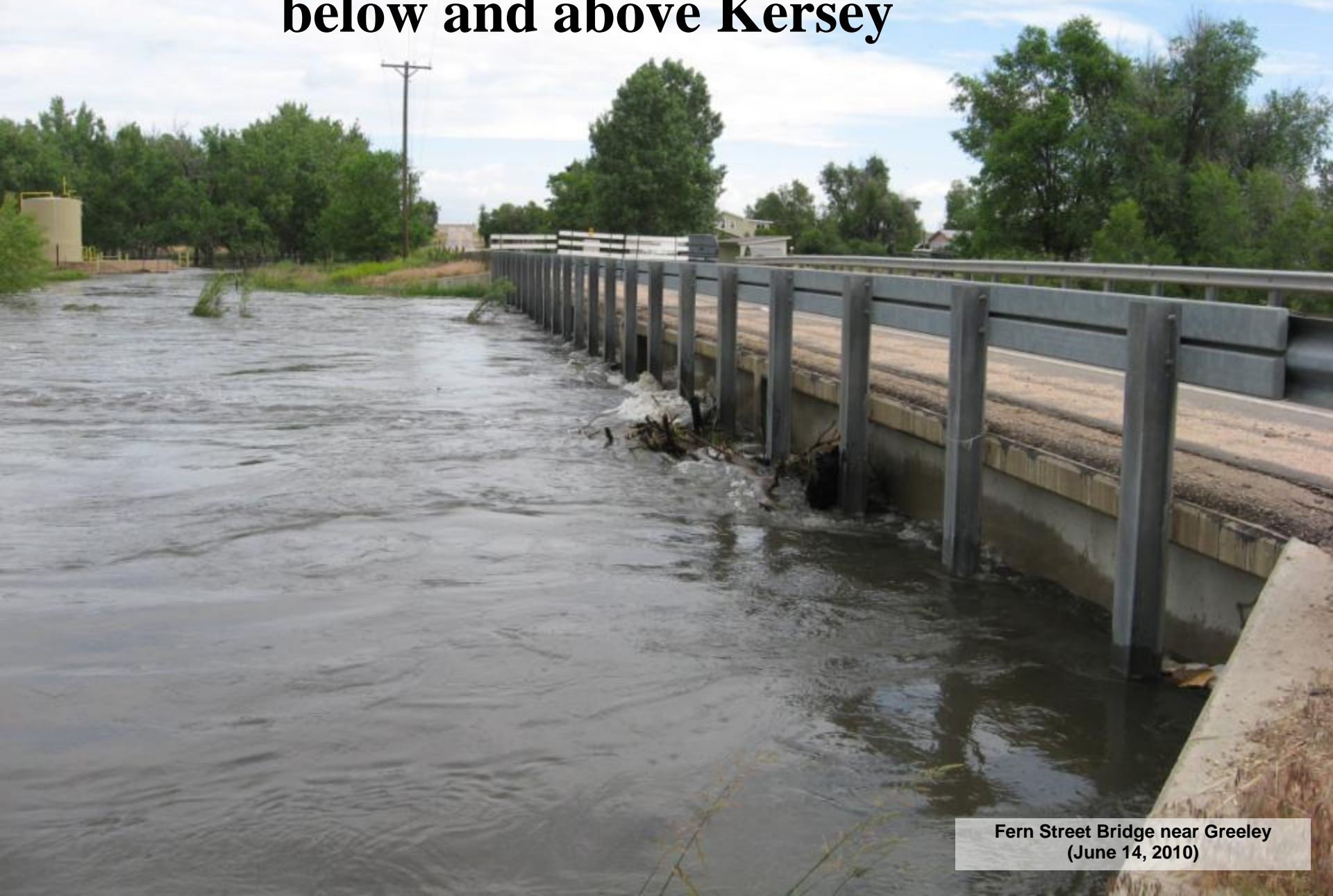
# South Platte River at Julesburg

Irrigation Year





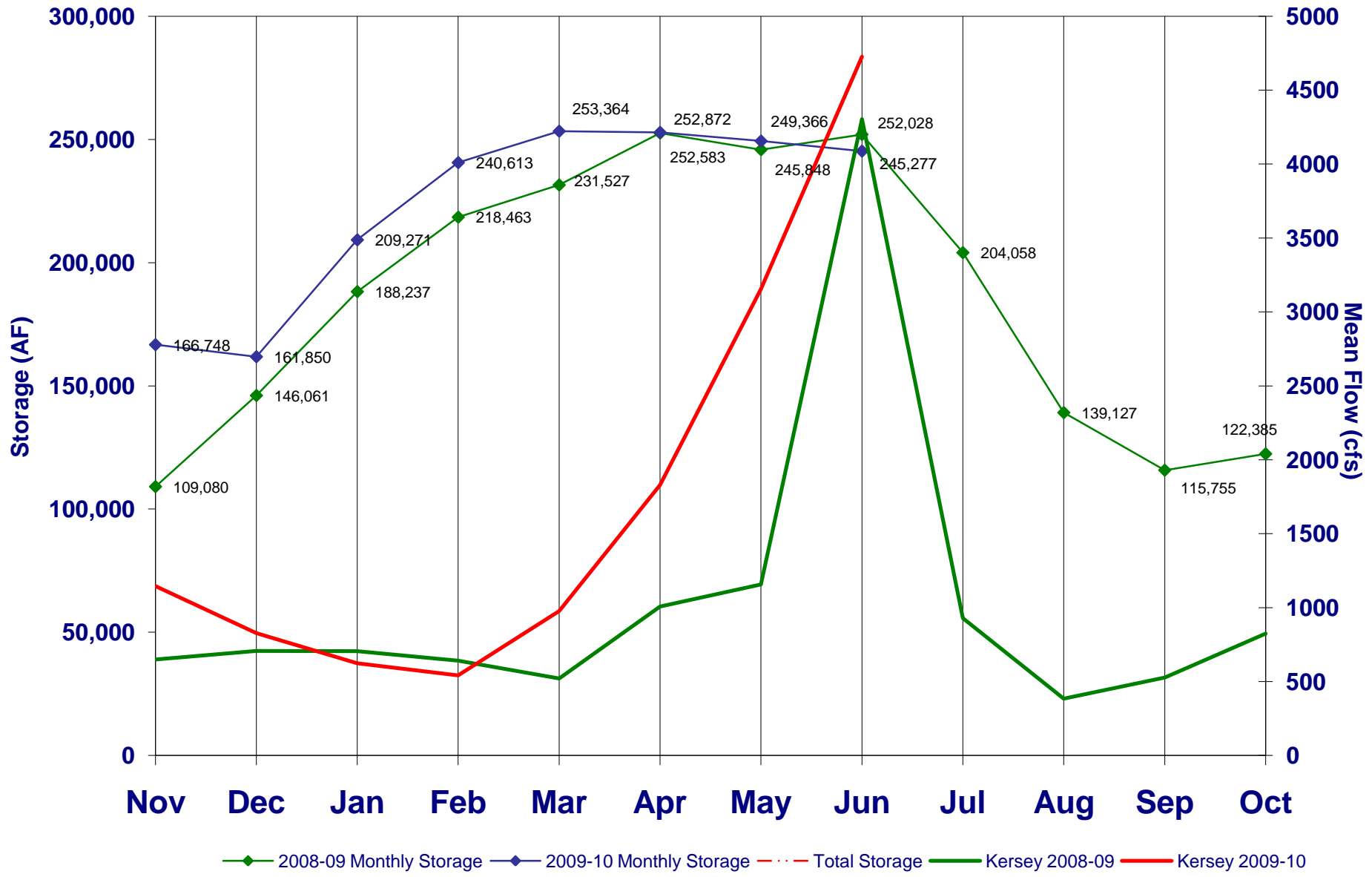
# Next four slides show Reservoir Storage below and above Kersey



Fern Street Bridge near Greeley  
(June 14, 2010)

# Reservoir Storage below Kersey

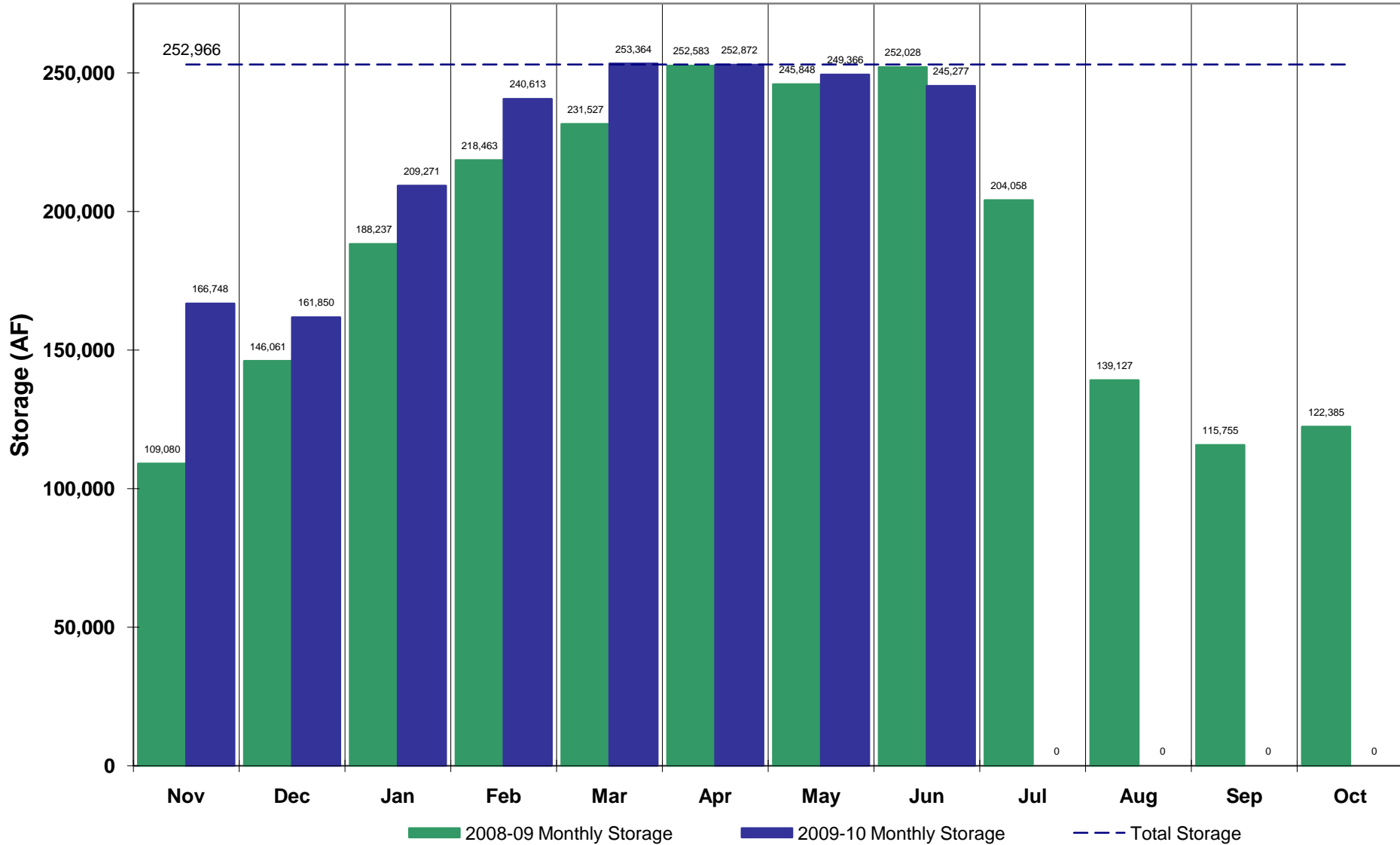
Selected Reservoirs\*



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

# South Platte Reservoirs

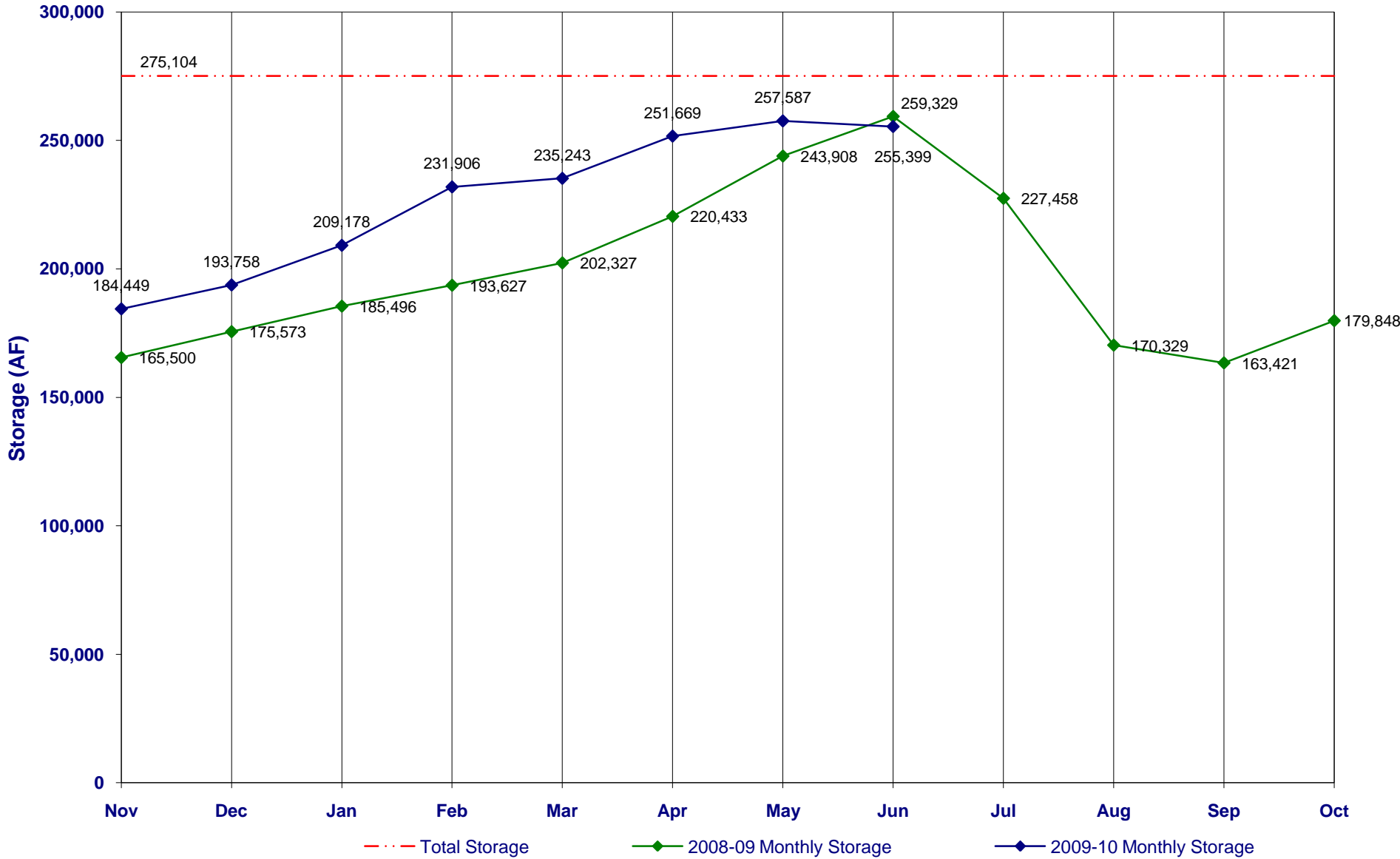
## Storage below Kersey\*



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

# Reservoir Storage above Kersey

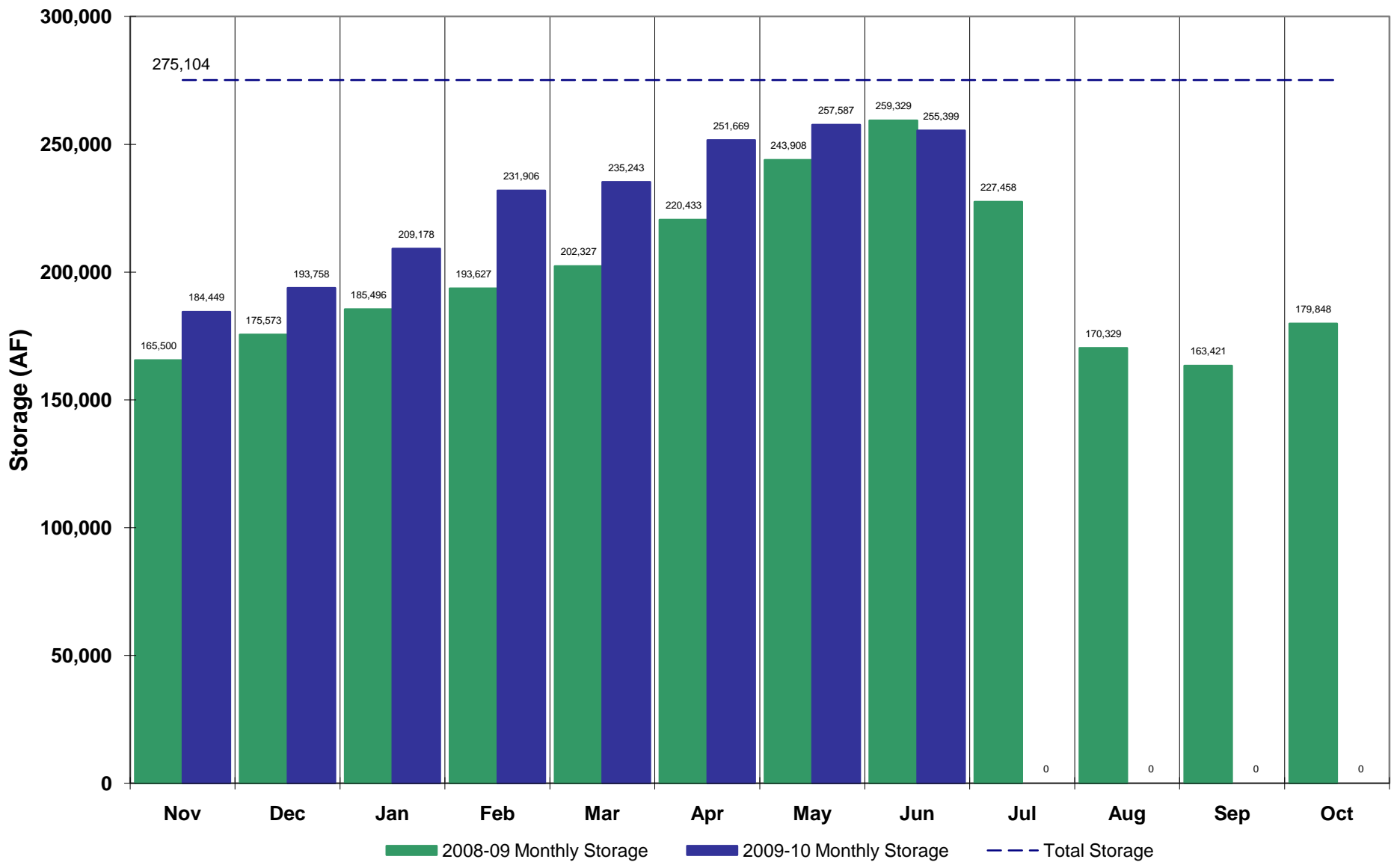
## Selected Reservoirs\*



\*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

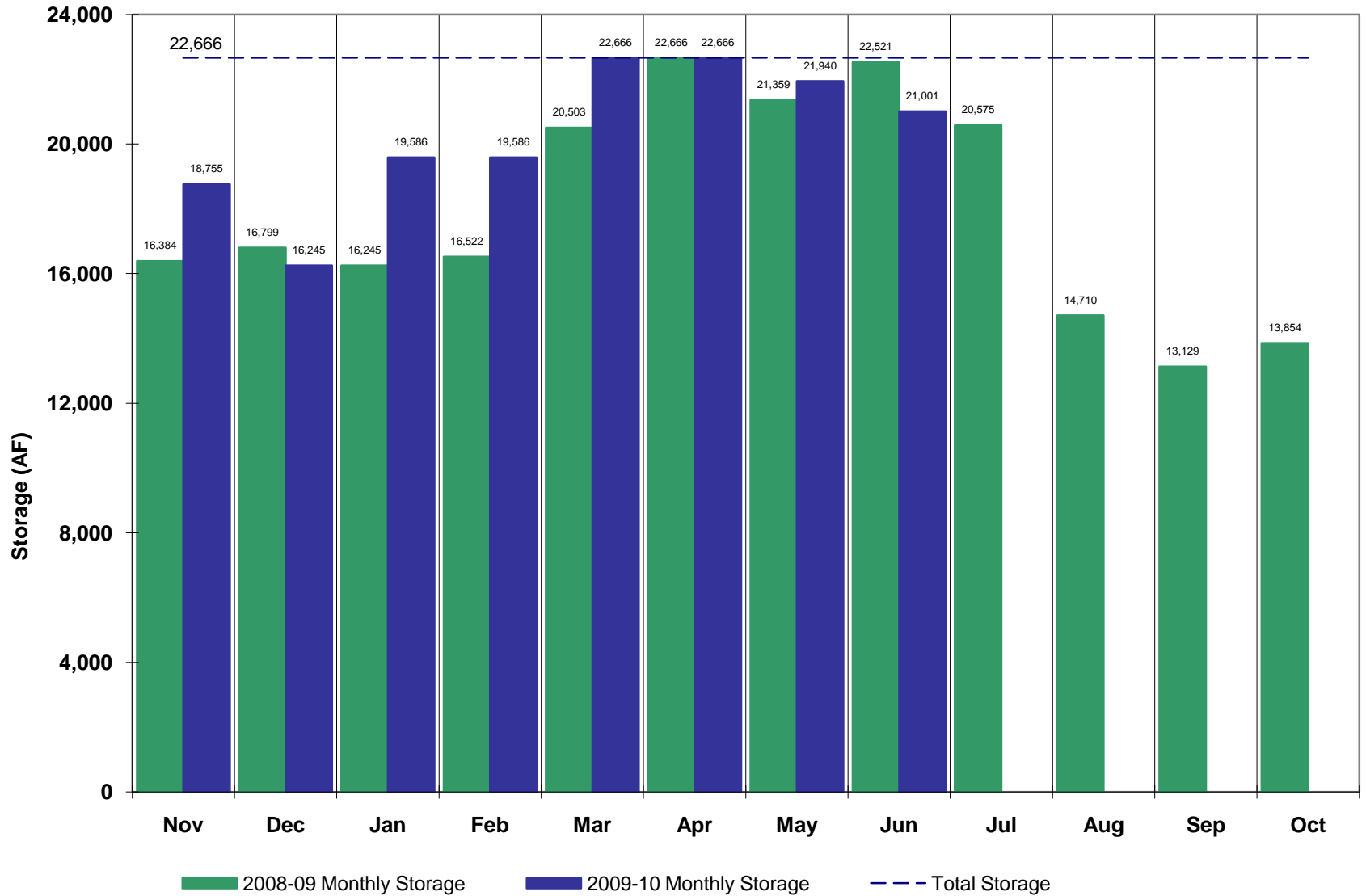
# Individual Reservoir Storage Follows



North Fork Big Thompson River

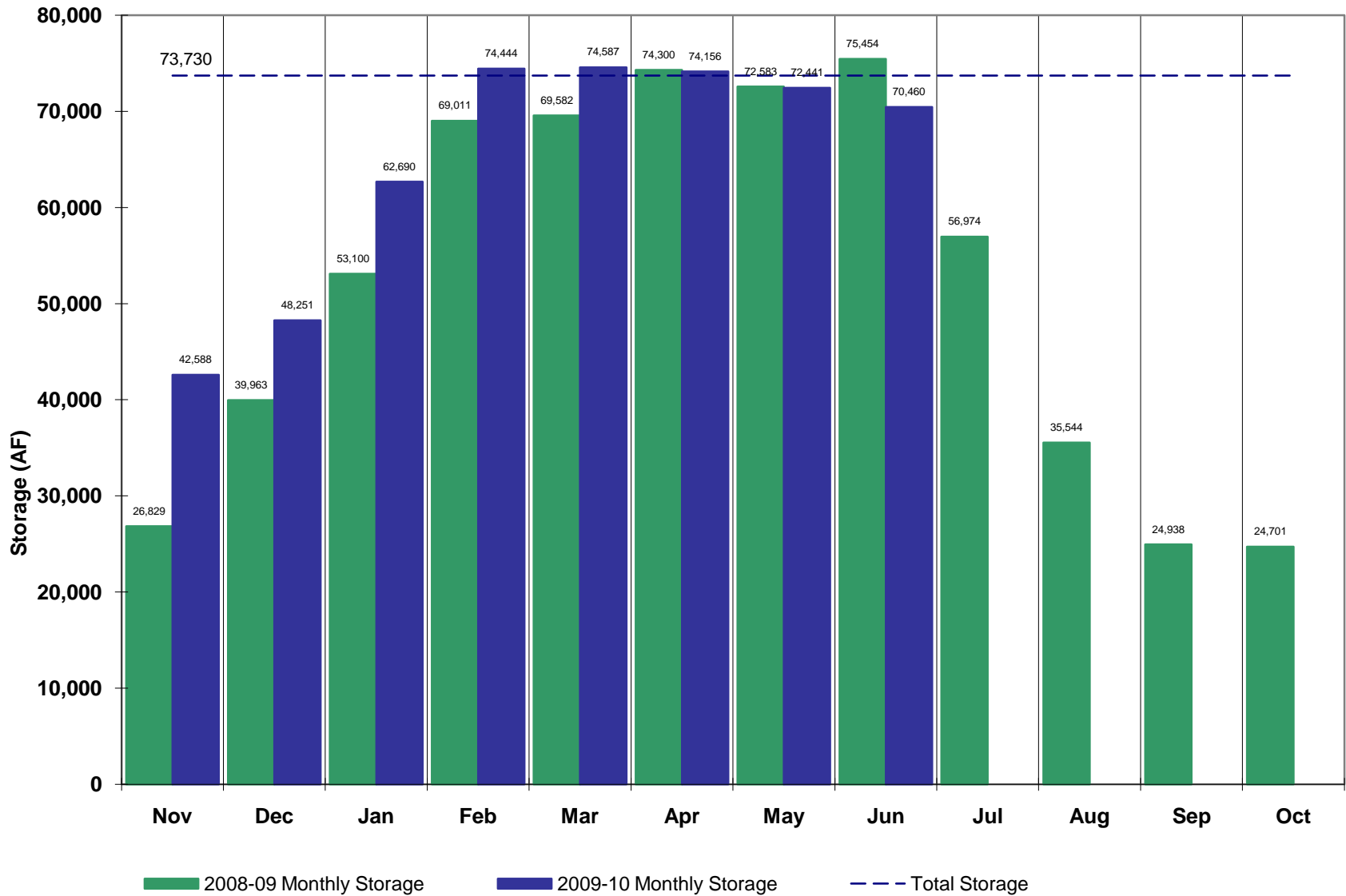
# Julesburg Reservoir

## (District 64 - Agricultural)



# North Sterling Reservoir

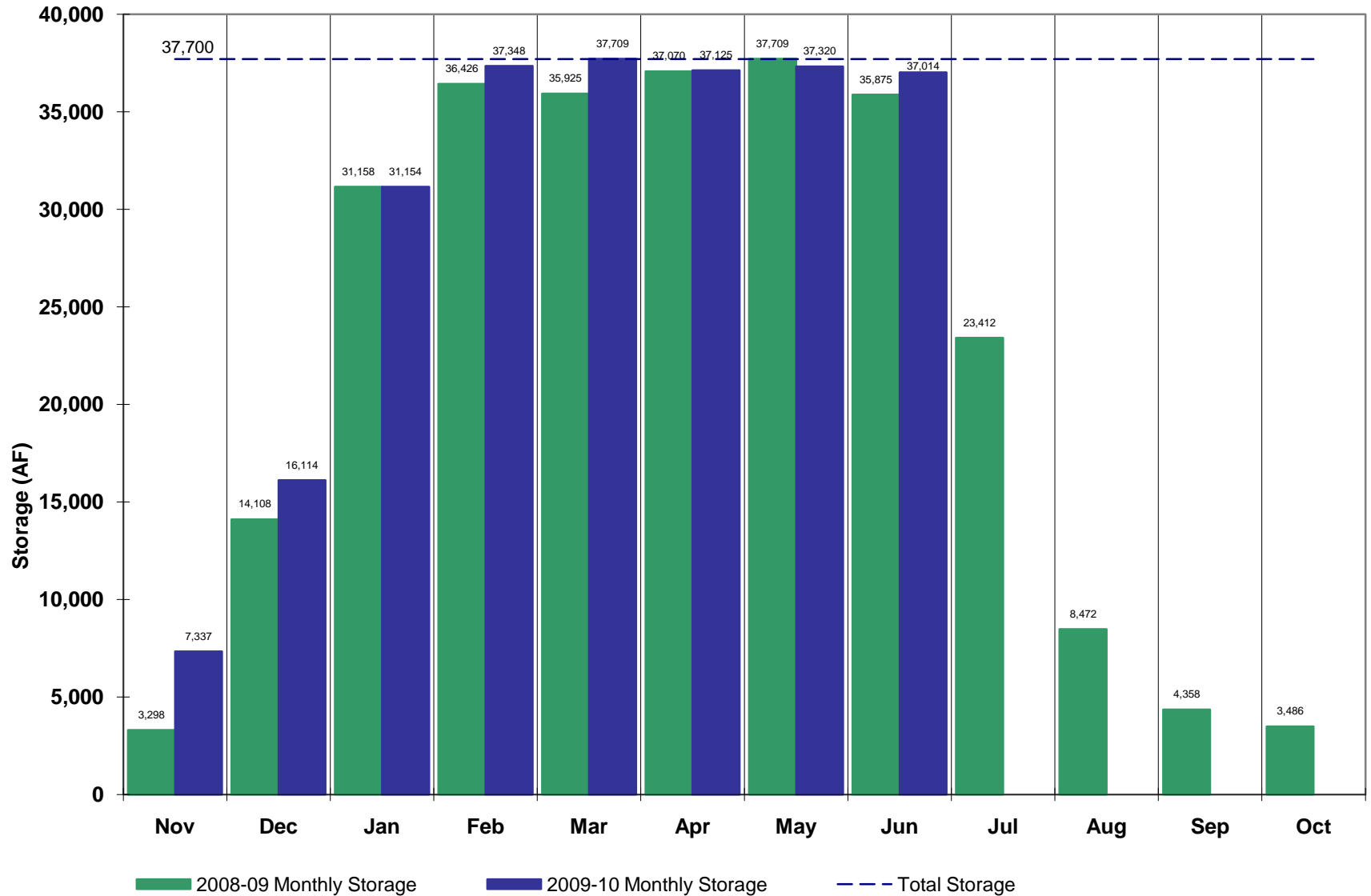
## (District 64- Agricultural)





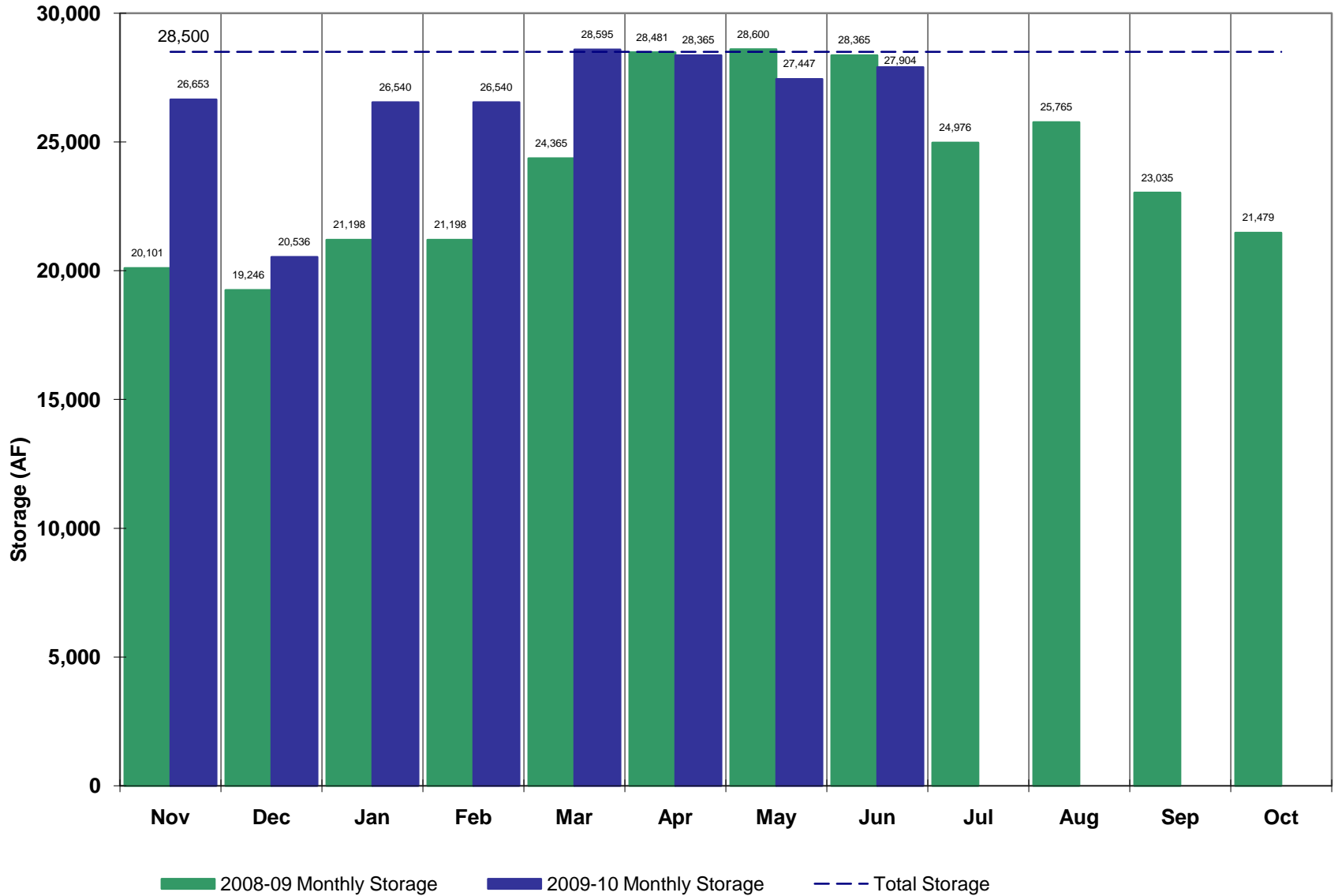
# Empire Reservoir

(District 1- Agricultural)



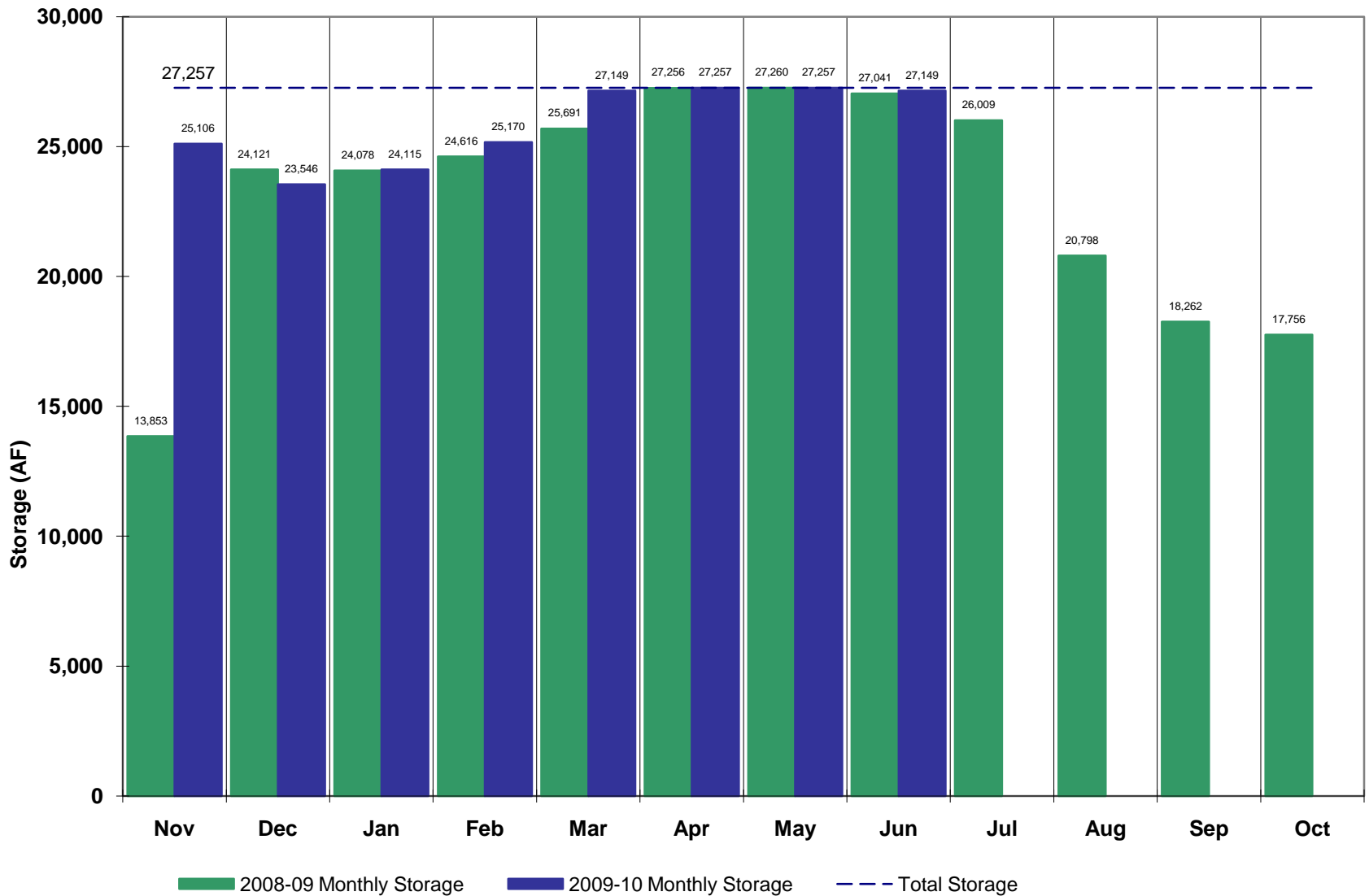
# Prewitt Reservoir

## (District 64- Agricultural)



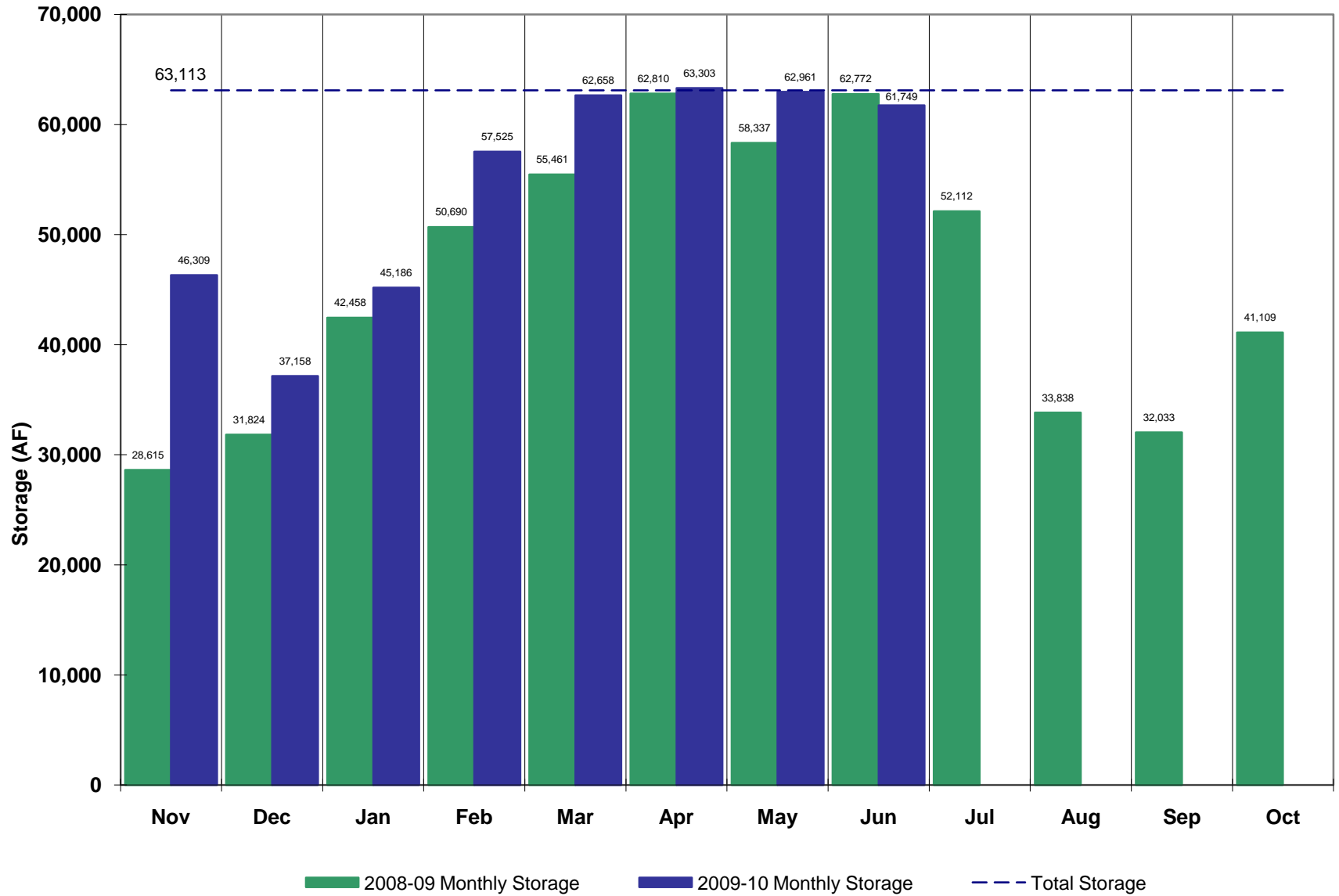
# Jackson Reservoir

## (District 1- Agricultural)



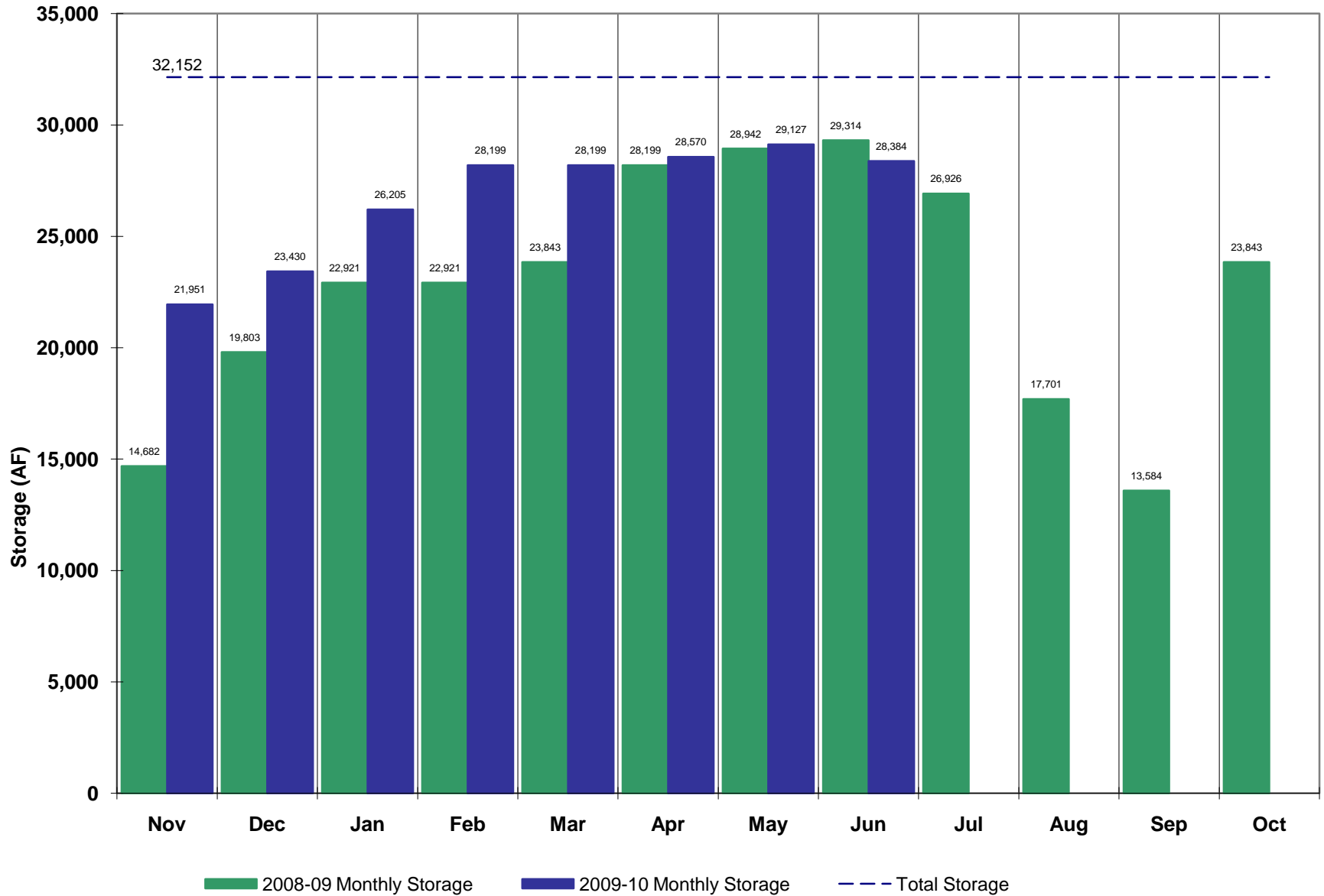
# Riverside Reservoir

## (District 1 - Agricultural)



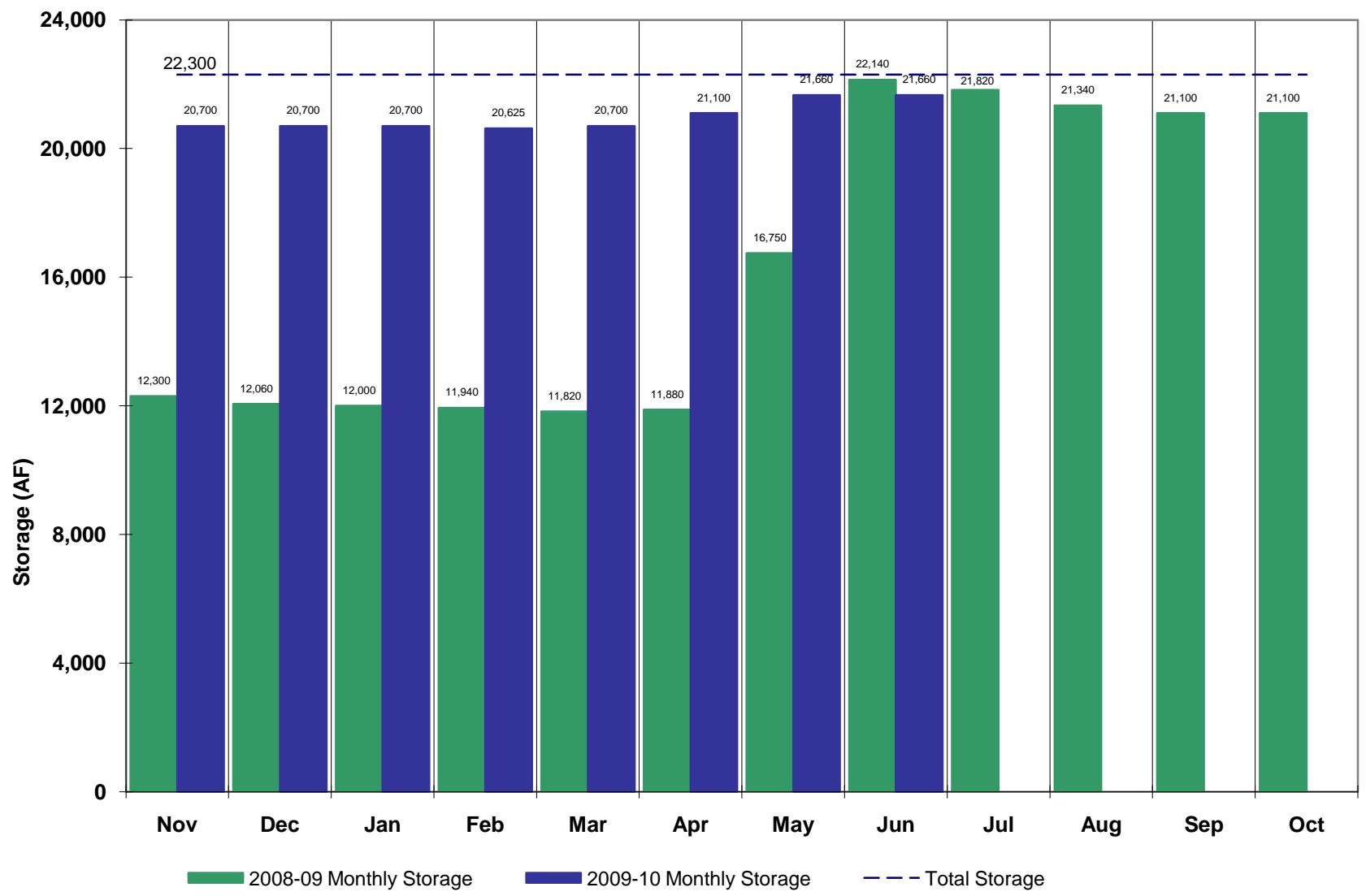
# Barr Lake

(District 2 - Agricultural)



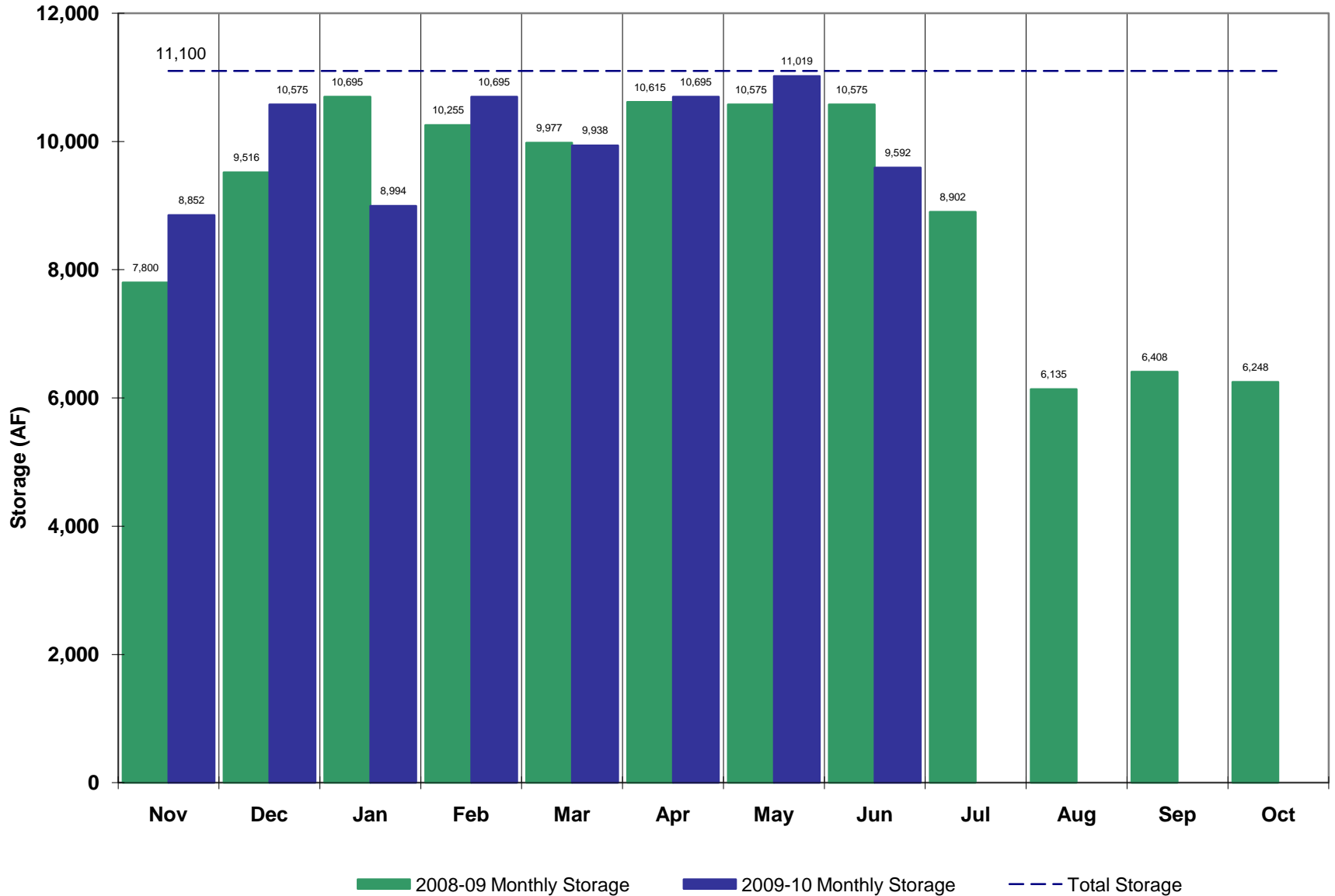
# Cobb Lake

(District 3, Poudre River - Agricultural)



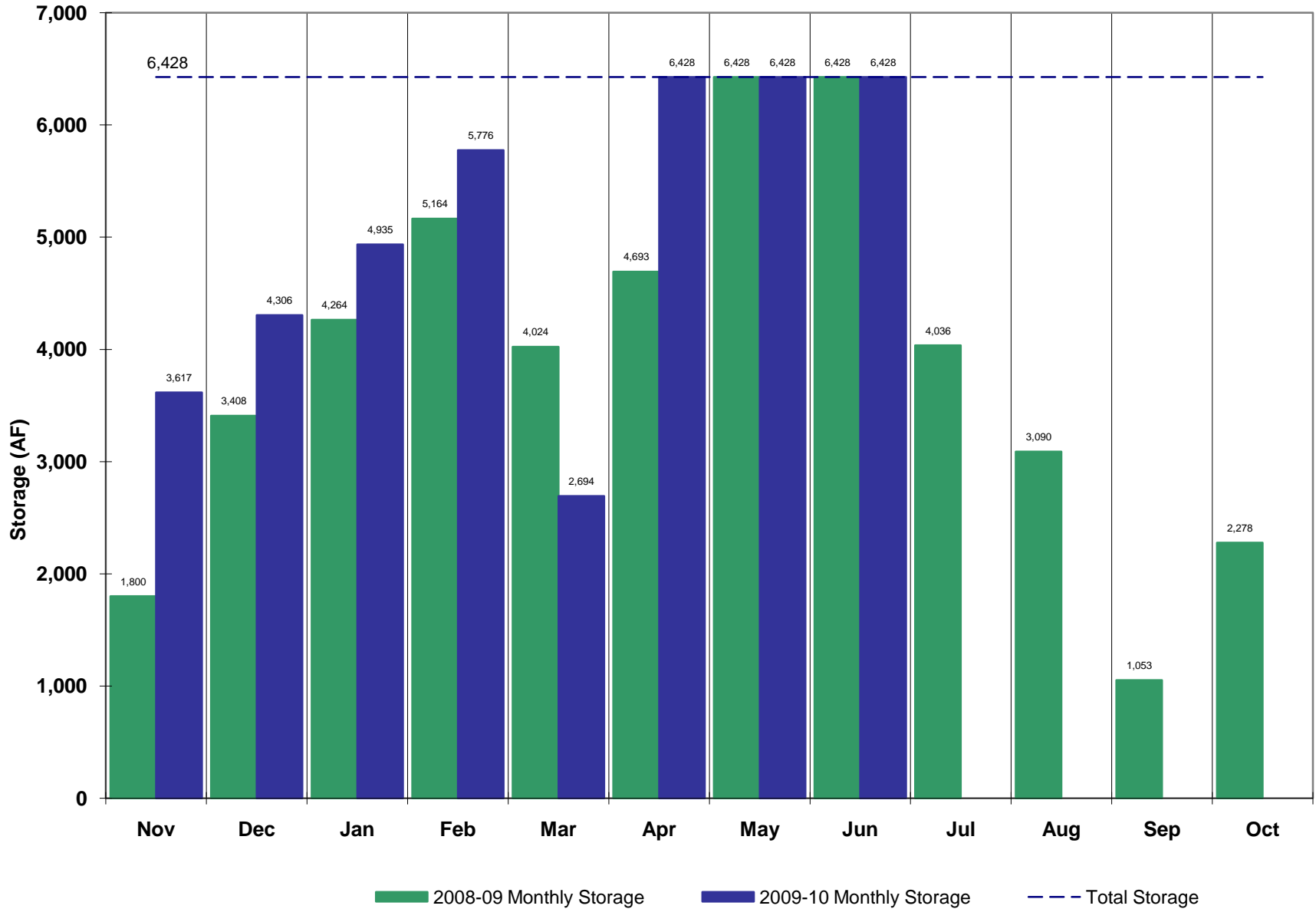
# Fossil Creek Reservoir

(District 3, Poudre River - Agricultural)



# Halligan Reservoir

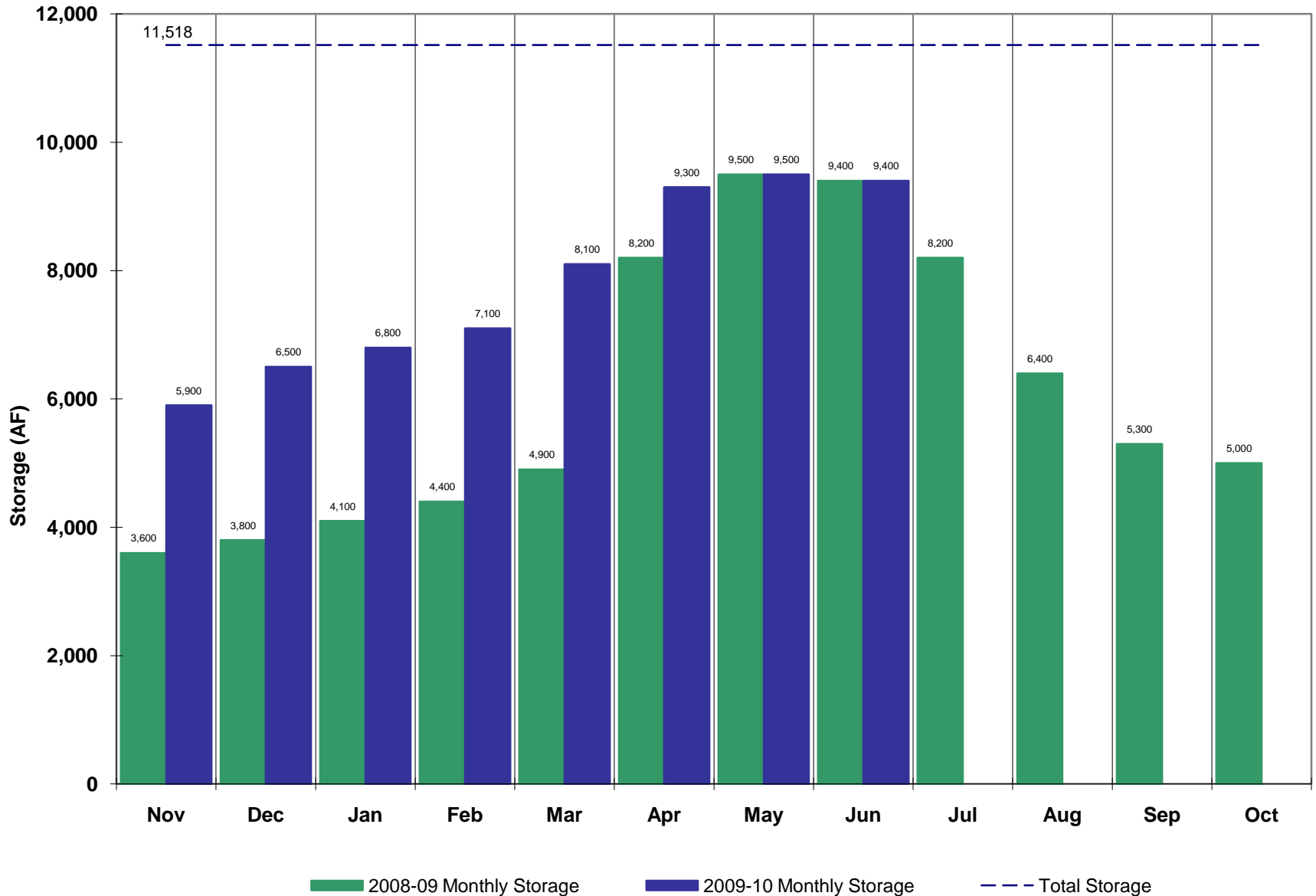
(District 3, Poudre River - Agricultural)





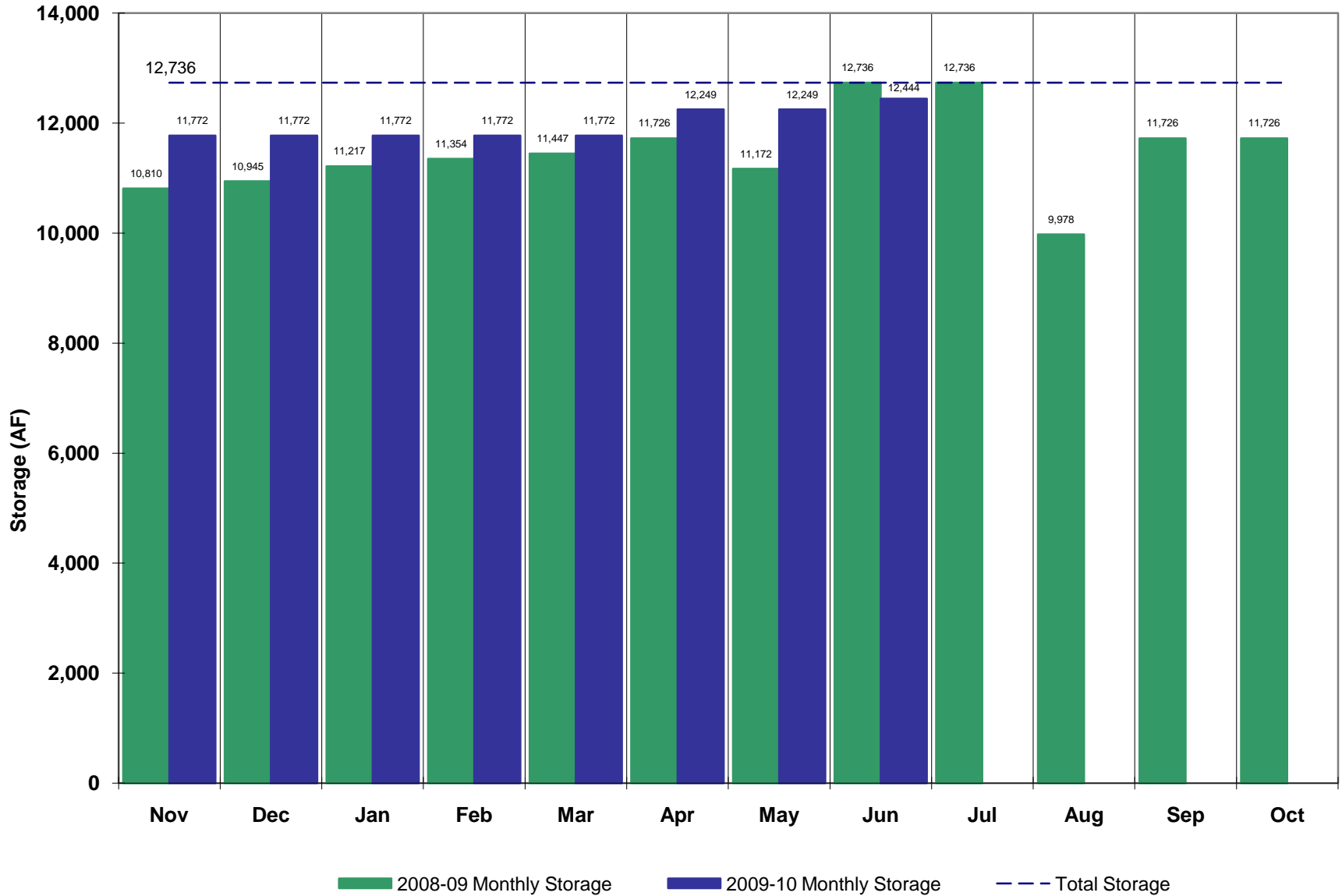
# Marshall Lake

(District 6, Boulder Creek - Agricultural)



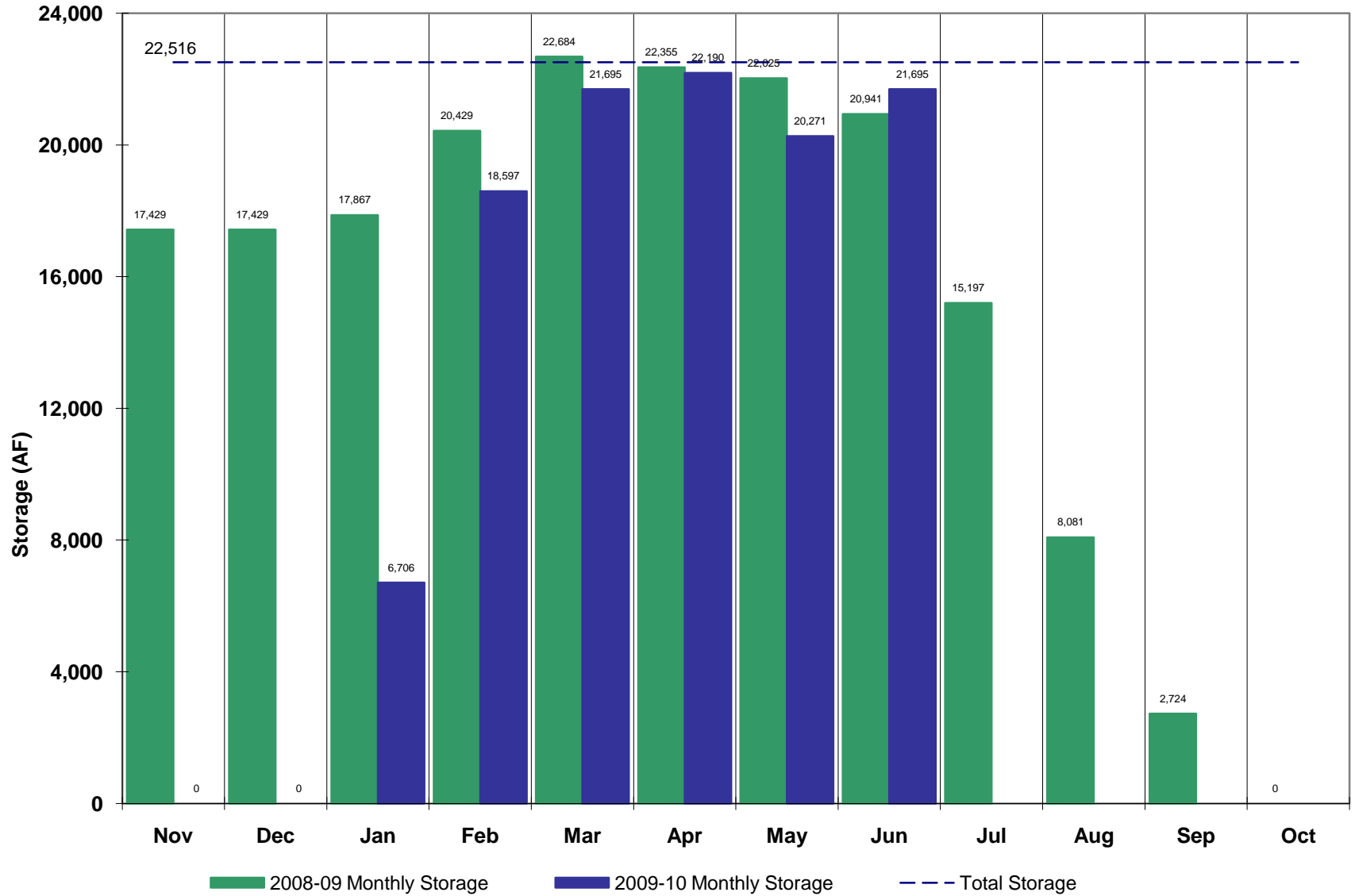
# Loveland Greeley Reservoir

(District 4, Big Thompson River - Agricultural)



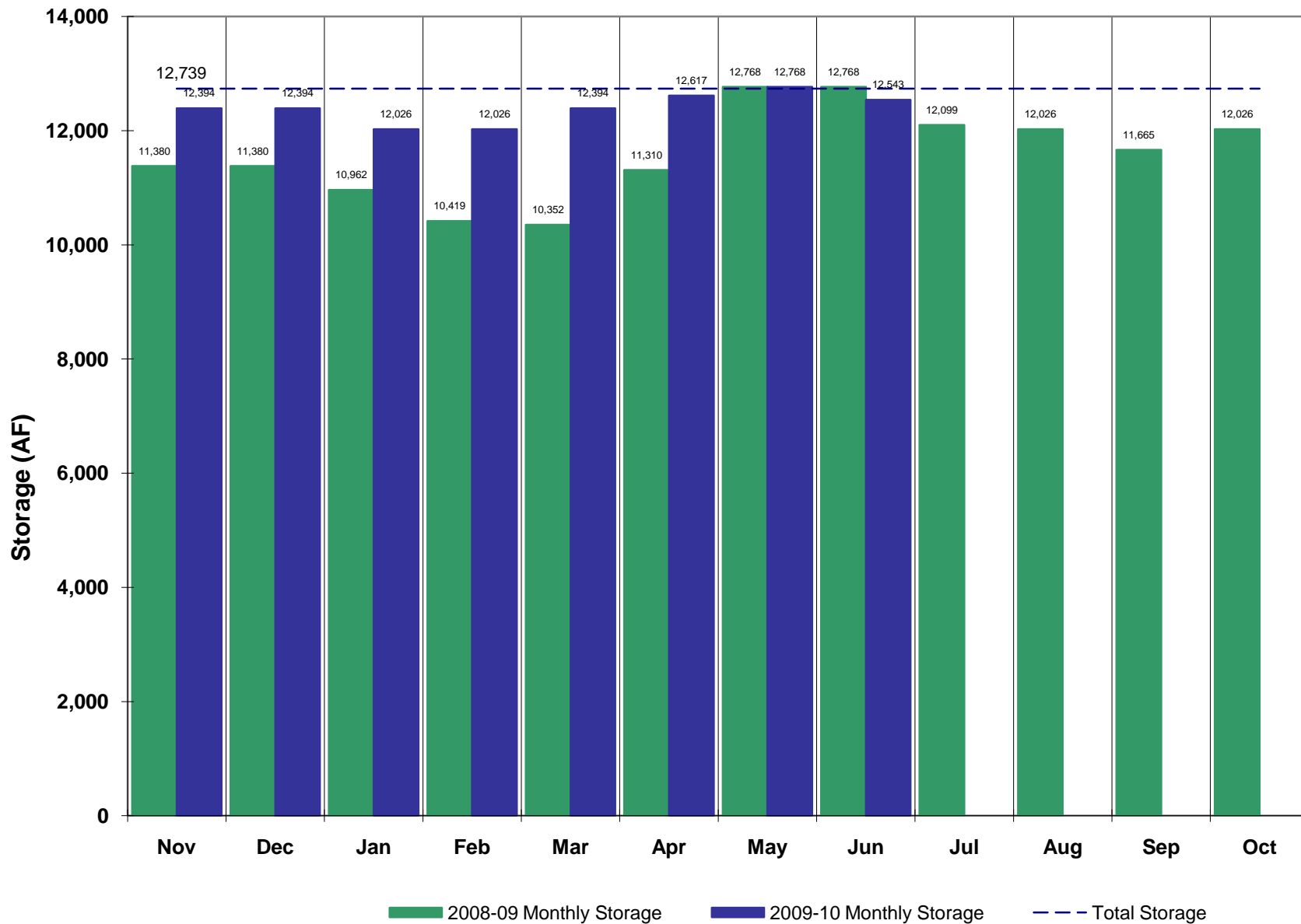
# Milton Reservoir

## (District 2 - Agricultural)

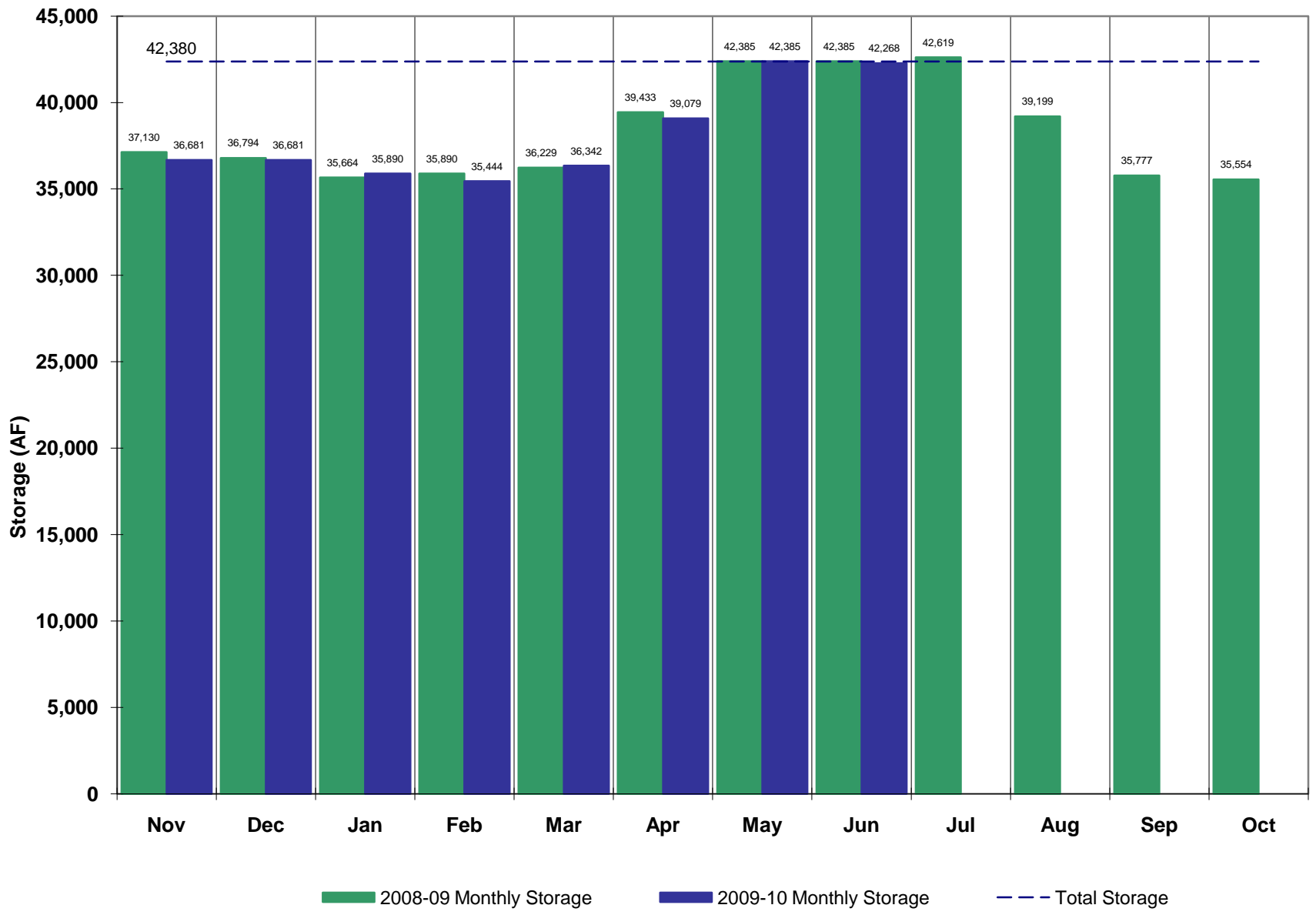


# Union Reservoir

(District 5, St. Vrain Creek - Agricultural)

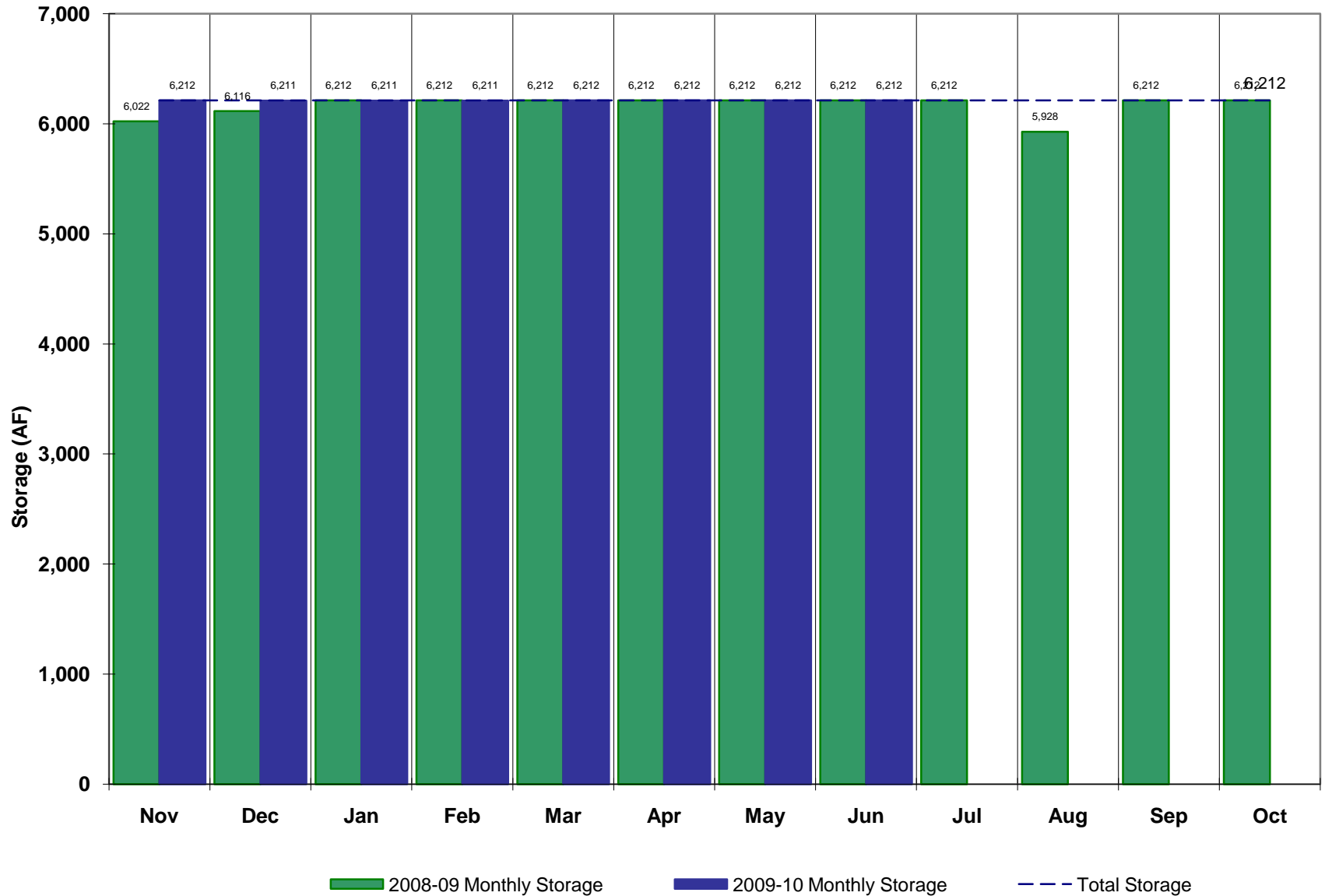


# Standley Lake (Agricultural)



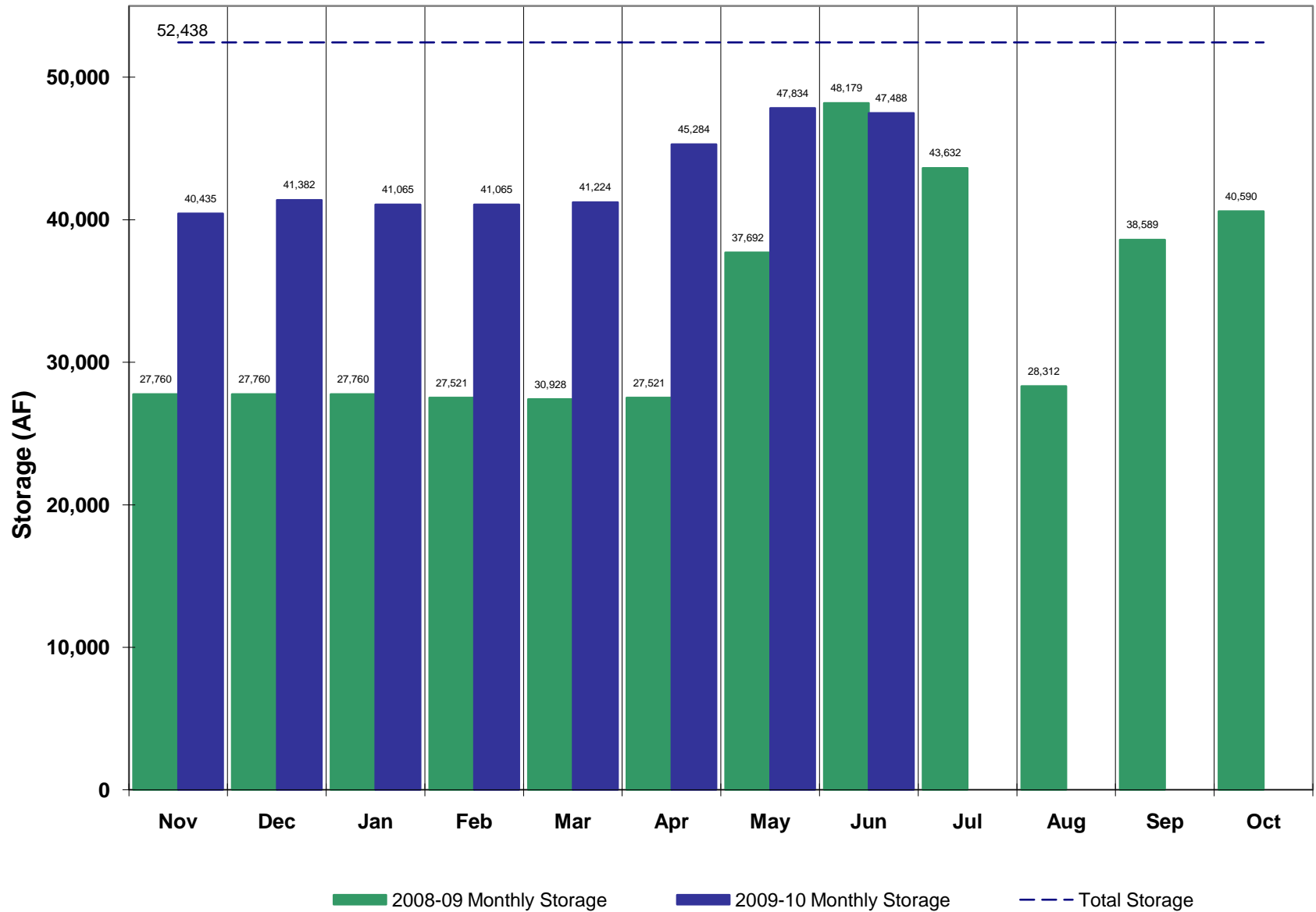
# Lower Latham Reservoir

## (District 2 - Agricultural)



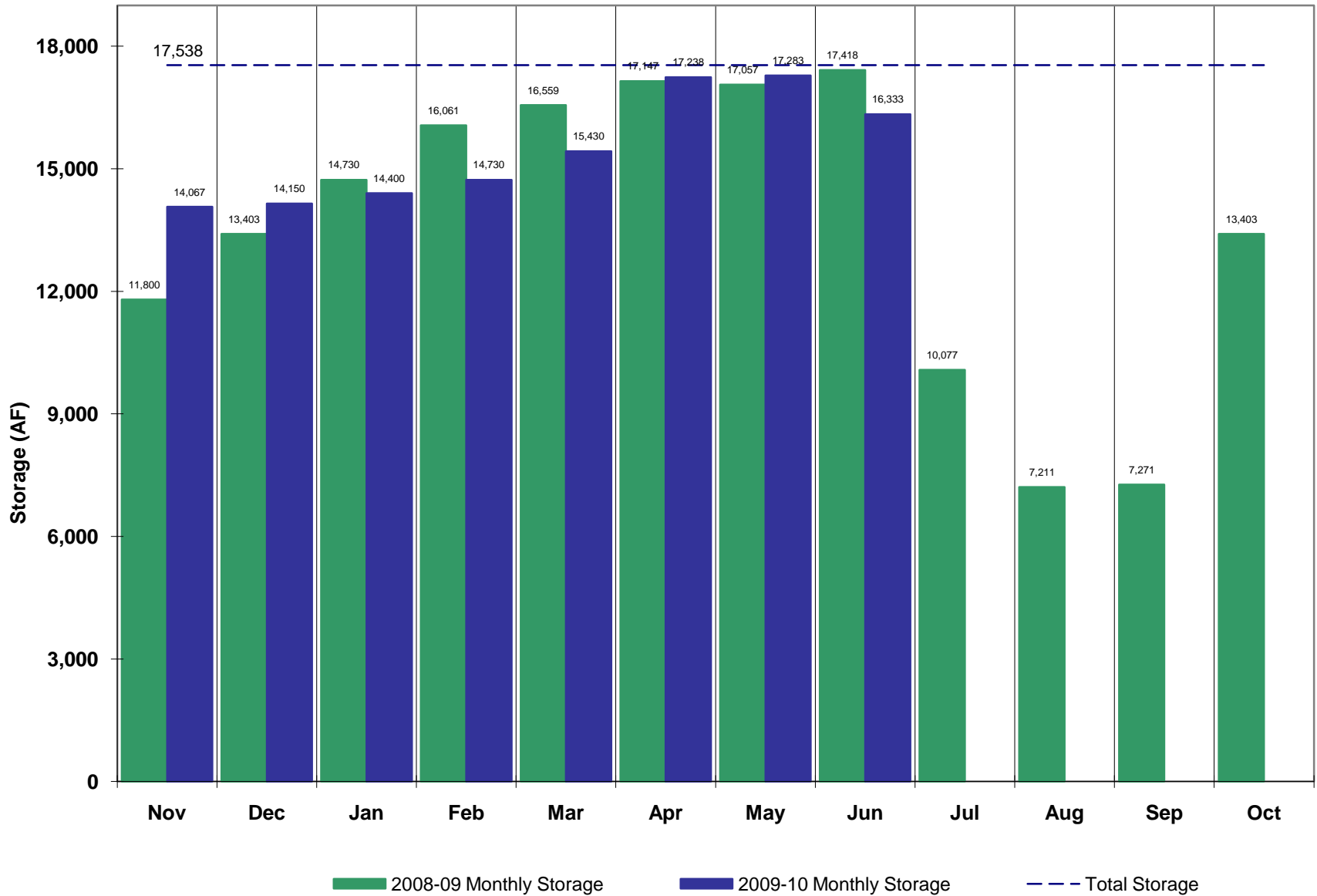
# Boyd Lake

(District 4, Big Thompson River - Agricultural)



# Windsor Reservoir

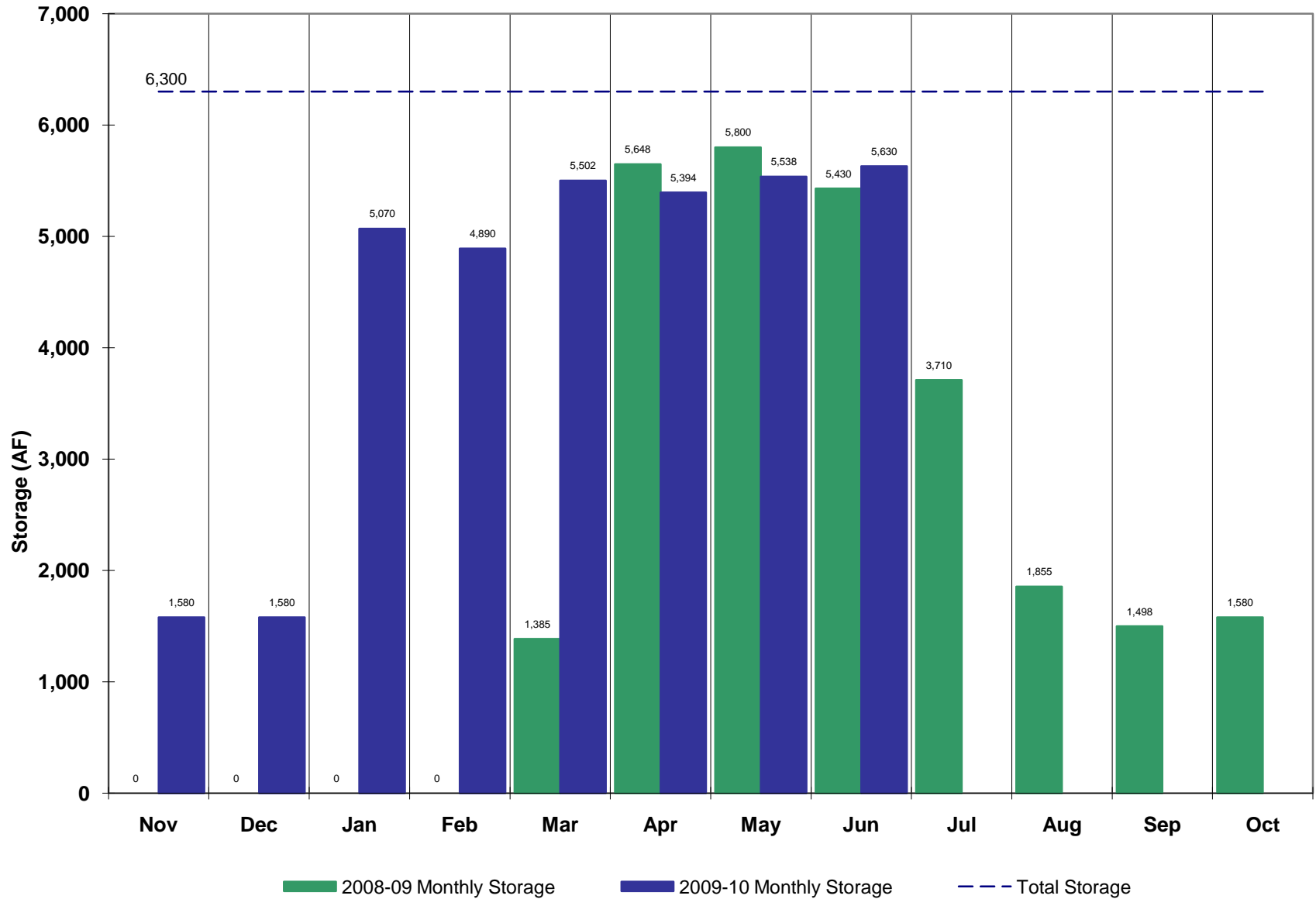
(District 3, Poudre River - Agricultural)





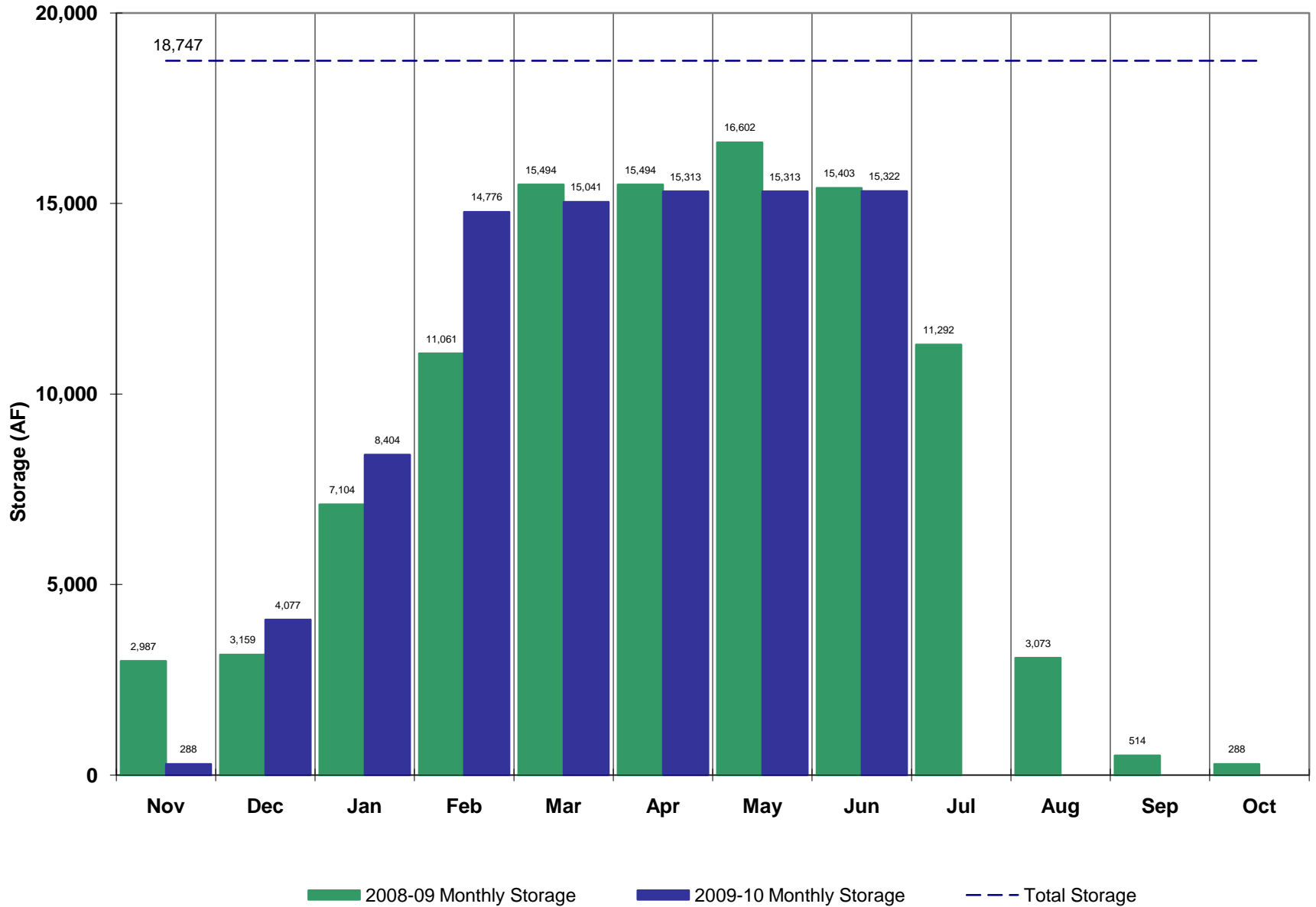
# Prospect Reservoir

(District 1- Agricultural)



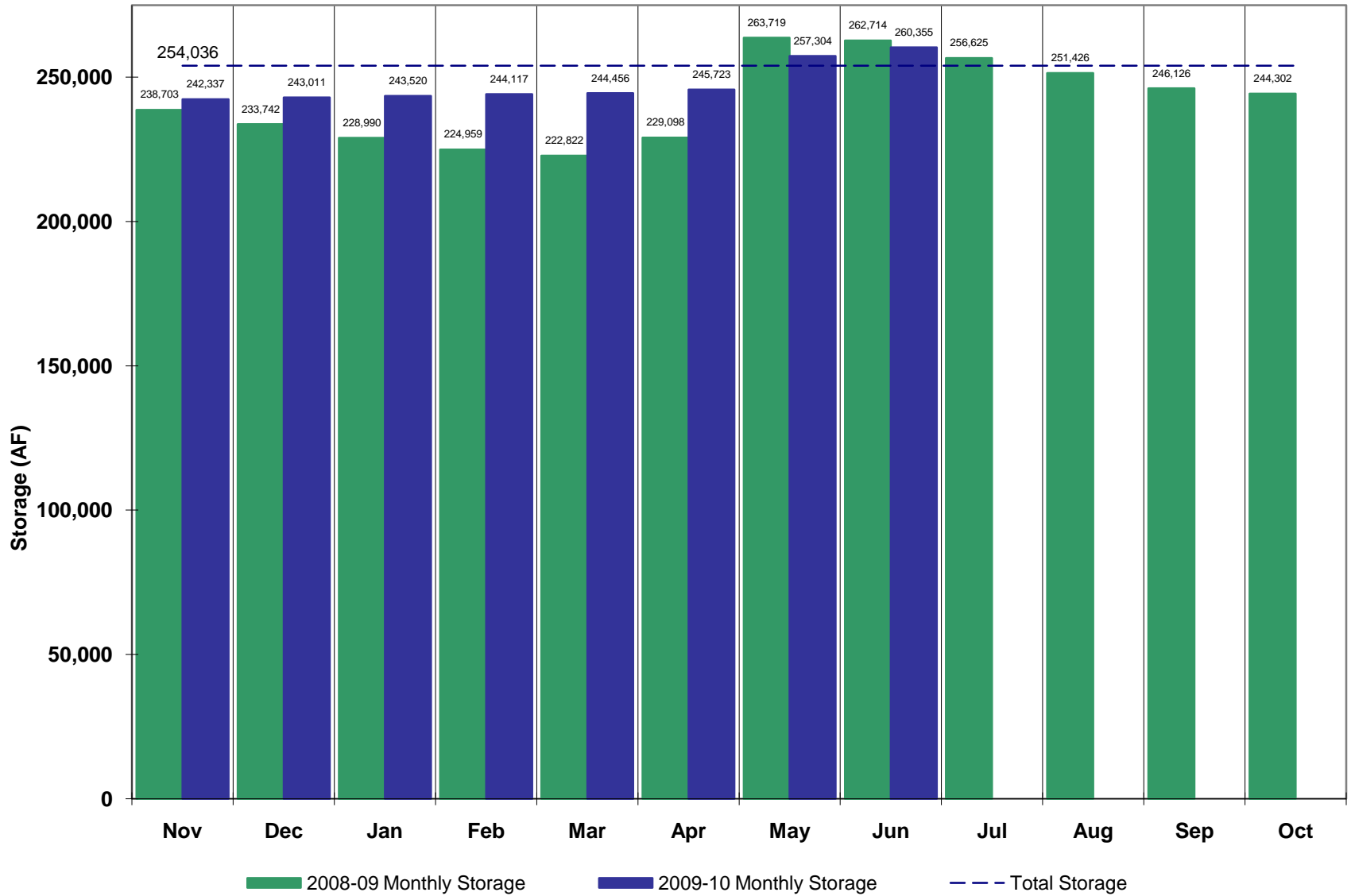
# Horse Creek Reservoir

## (District 1 - Agricultural)



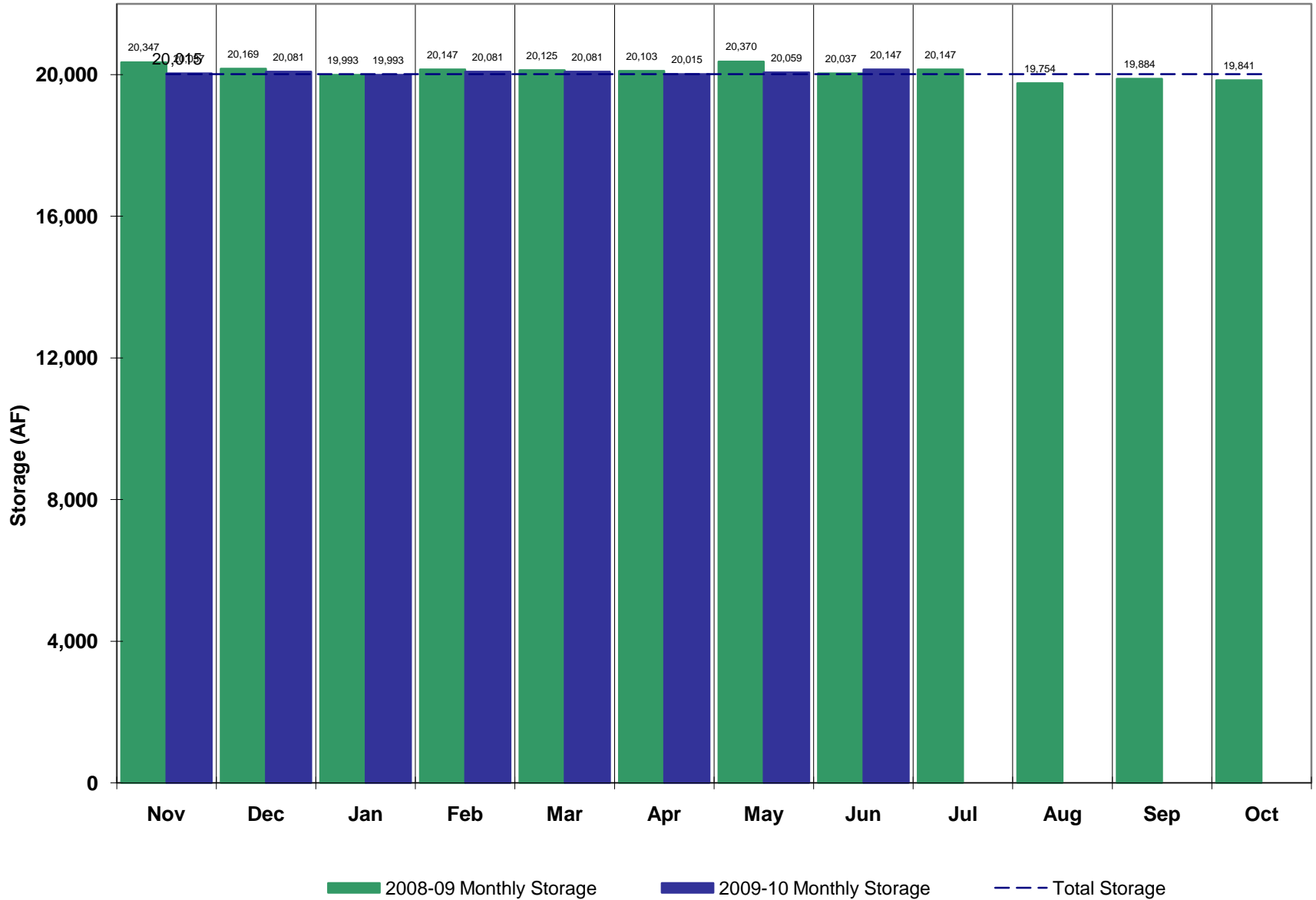
# Dillon Reservoir

## (Municipal)



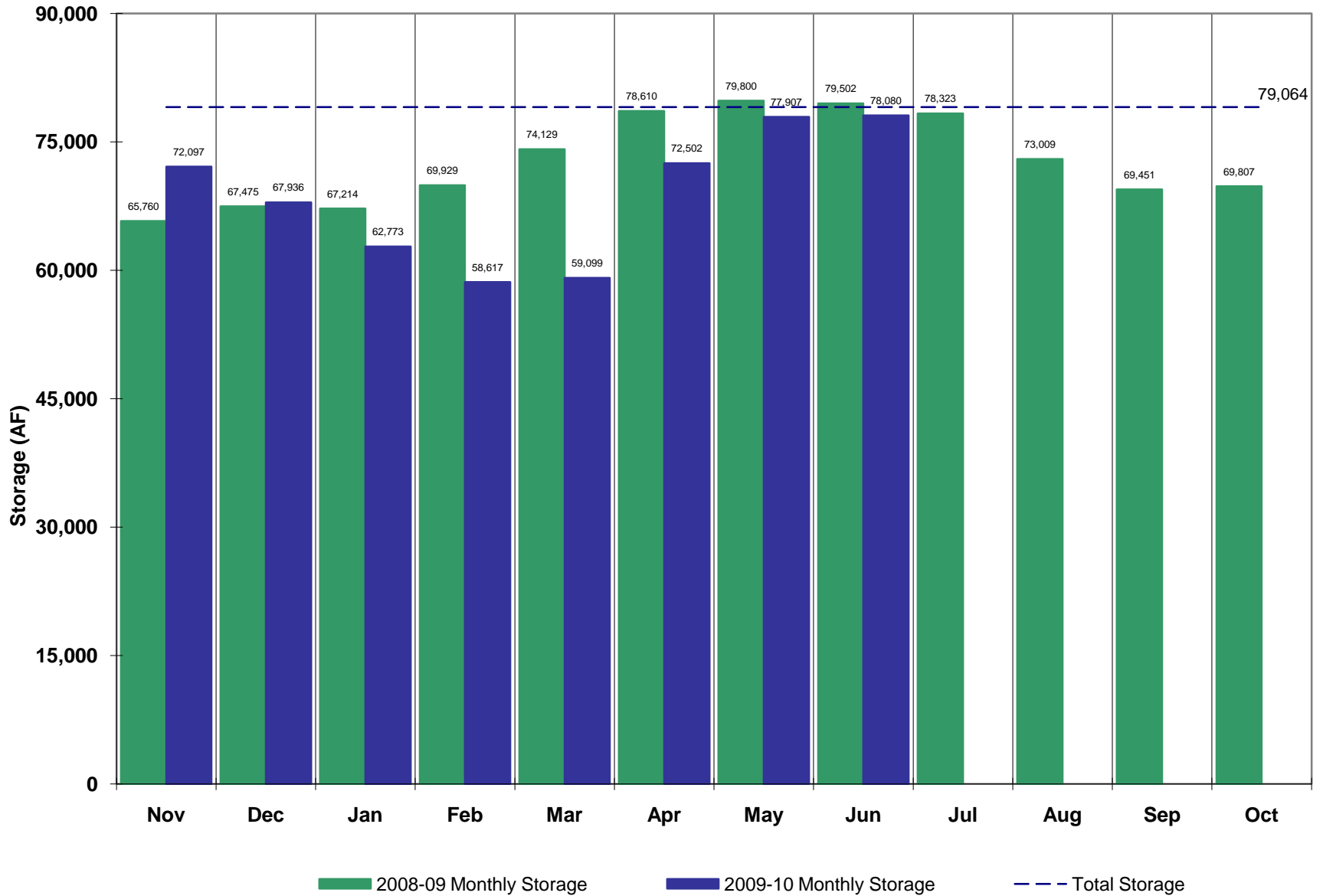
# Antero Reservoir

## (District 23 - Municipal)



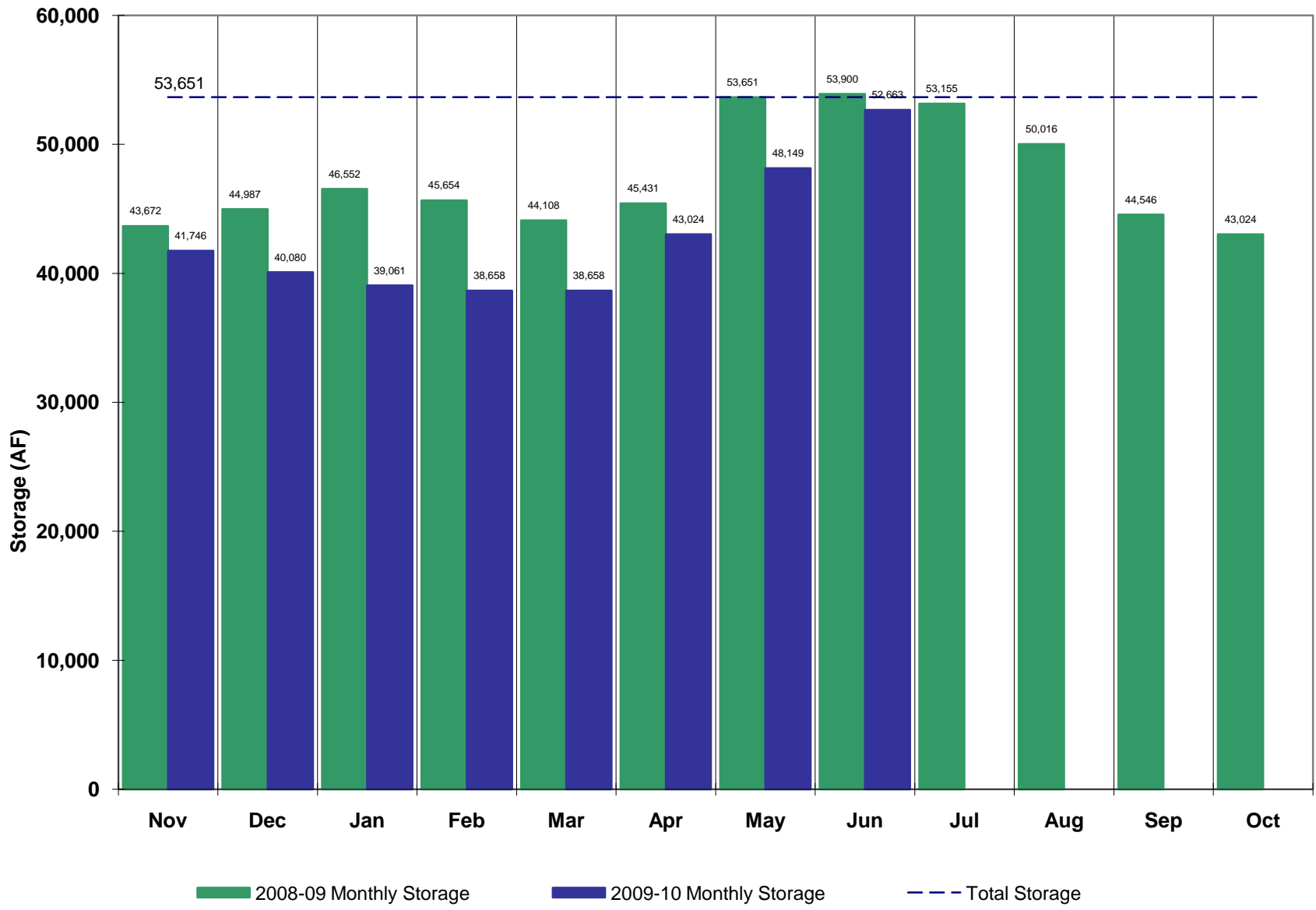
# Cheesman Reservoir

## (District 80 - Municipal)



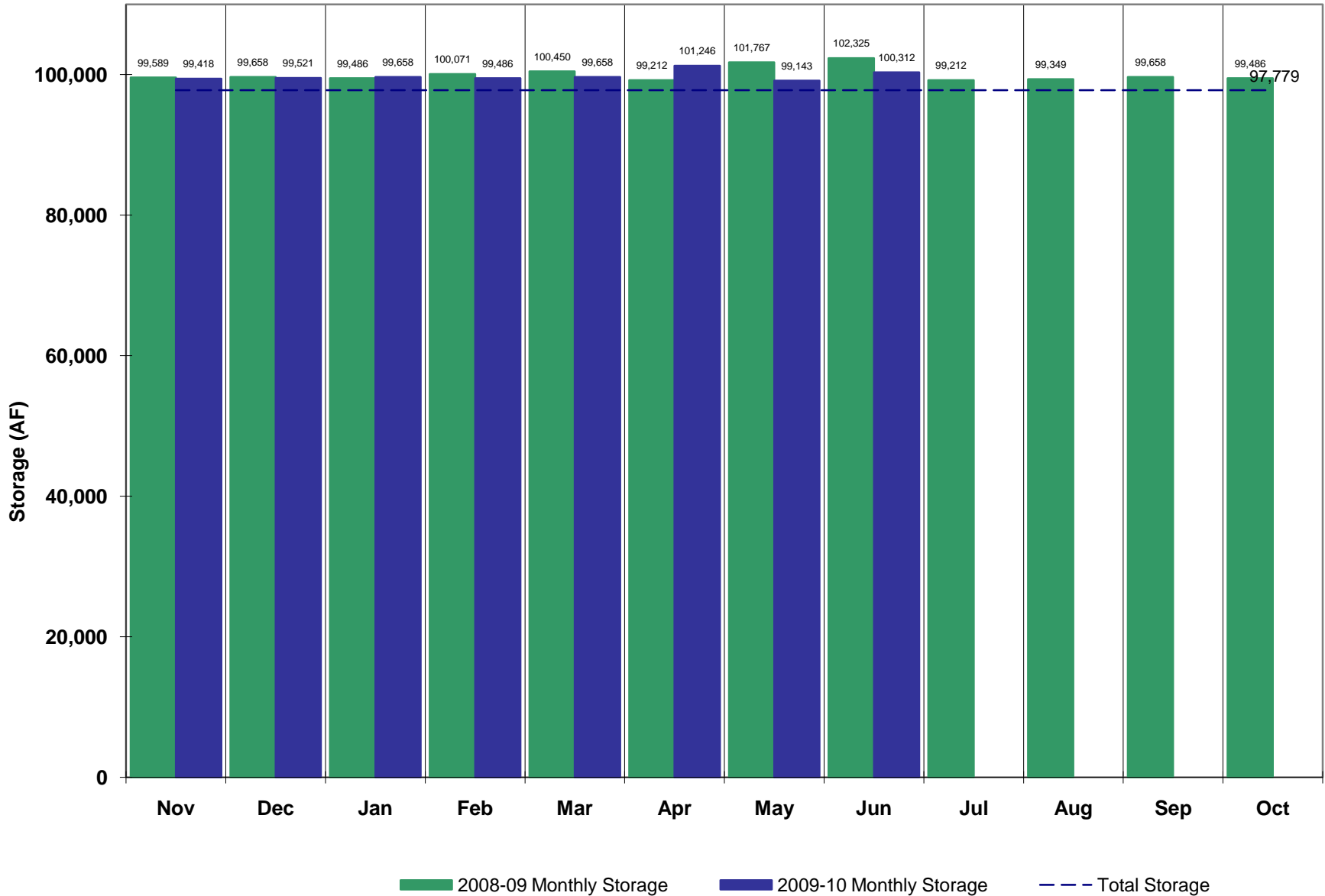
# Spinney Mountain Reservoir

## (District 23 - Municipal)

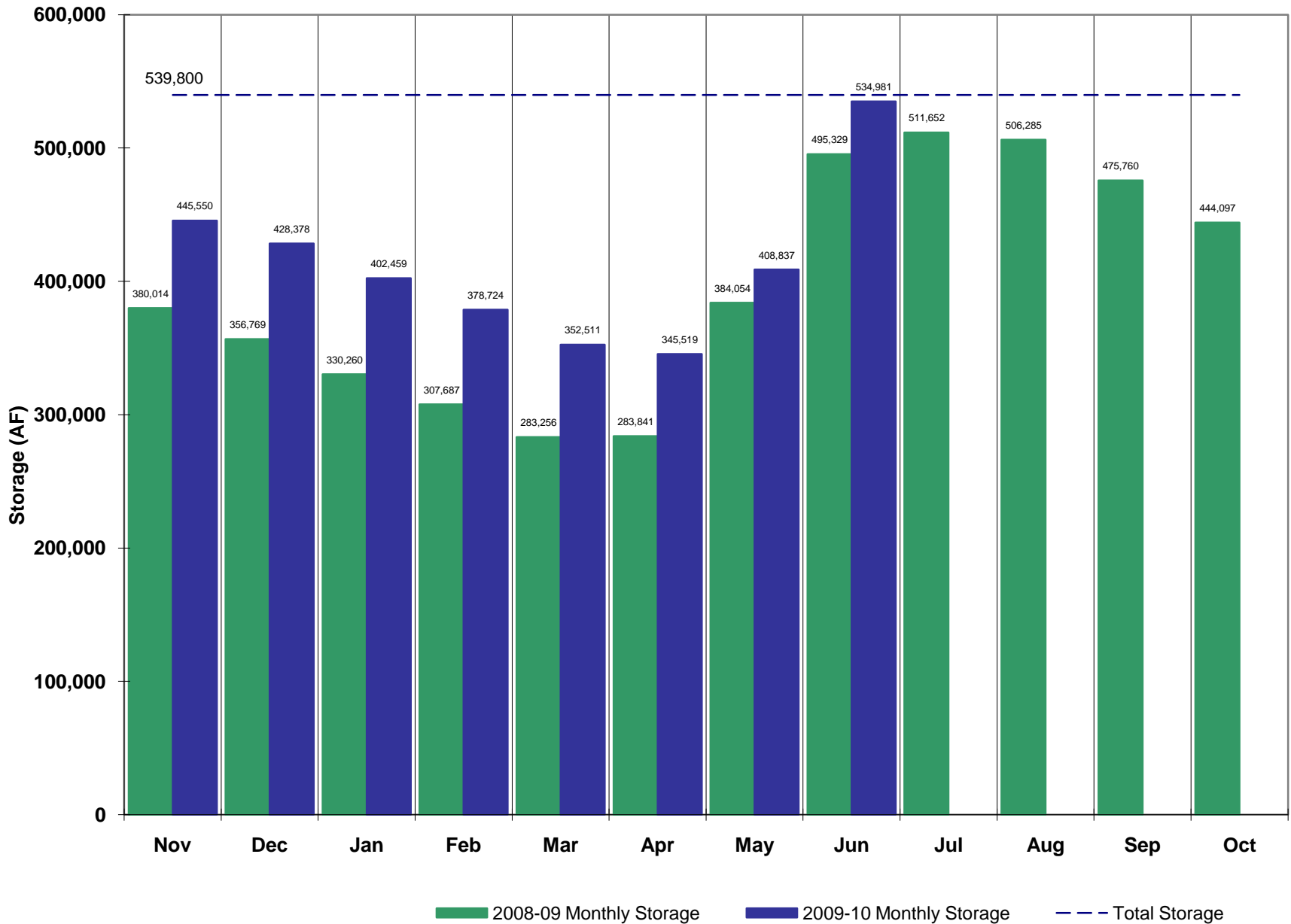


# Eleven Mile Reservoir

## (District 23 - Municipal)



# Lake Granby







Olympus Dam  
Estes Park