

# South Platte Summary

January 2010

Compiled by Jana Ash



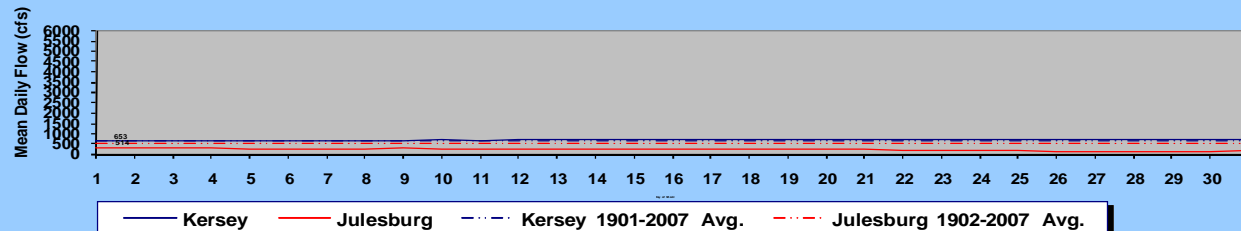
Chatfield Reservoir Spillway  
(Photo by Jana Ash)

# COLORADO DIVISION OF WATER RESOURCES, DIVISION 1

## MONTH OF JANUARY 2010

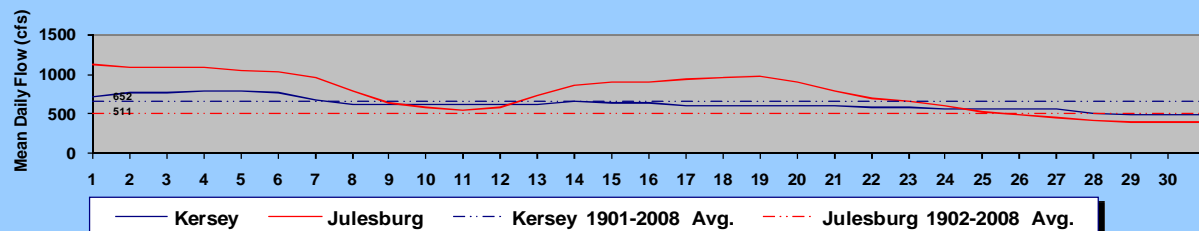
RESERVOIR	FULL ALLOWABLE CAPACITY (ACRE FEET)	FIRST OF MONTH (ACRE FEET)	END OF MONTH (ACRE FEET)	DISTRICT	CHANGE IN STORAGE (ACRE FEET)	% CHANGE IN STORAGE BASED ON FIRST OF MONTH STORAGE	% OF CURRENT FULL ALLOWABLE CAPACITY	% OF CURRENT FULL ALLOWABLE CAPACITY THIS MONTH LAST YEAR	SURCHARGE (ACRE FEET)
JULESBURG	22,666	16,245	19,586	64	3,341	21%	86%	72%	0
N STERLING	73,730	48,251	62,690	64	14,439	30%	85%	72%	0
PREWITT	28,500	20,536	26,540	64	6,004	29%	93%	74%	0
JACKSON	27,257	23,546	24,115	1	569	2%	88%	88%	0
EMPIRE	37,700	16,114	31,154	1	15,040	93%	83%	83%	0
RIVERSIDE	63,113	37,158	45,186	1	8,028	22%	72%	67%	0
BARR LAKE	31,652	23,430	26,205	2	2,775	12%	83%	72%	0
CHEESMAN	79,064	67,936	62,773	80	-5,163	-8%	79%	85%	0
ELEVEN MILE	97,779	99,521	99,658	23	137	0%	100%	100%	1,879
SPINNEY	53,651	40,080	39,061	23	-1,019	-3%	73%	87%	0
ANTERO	20,015	20,081	19,993	23	-88	0%	100%	100%	0

**SOUTH PLATTE RIVER  
JANUARY 2009**

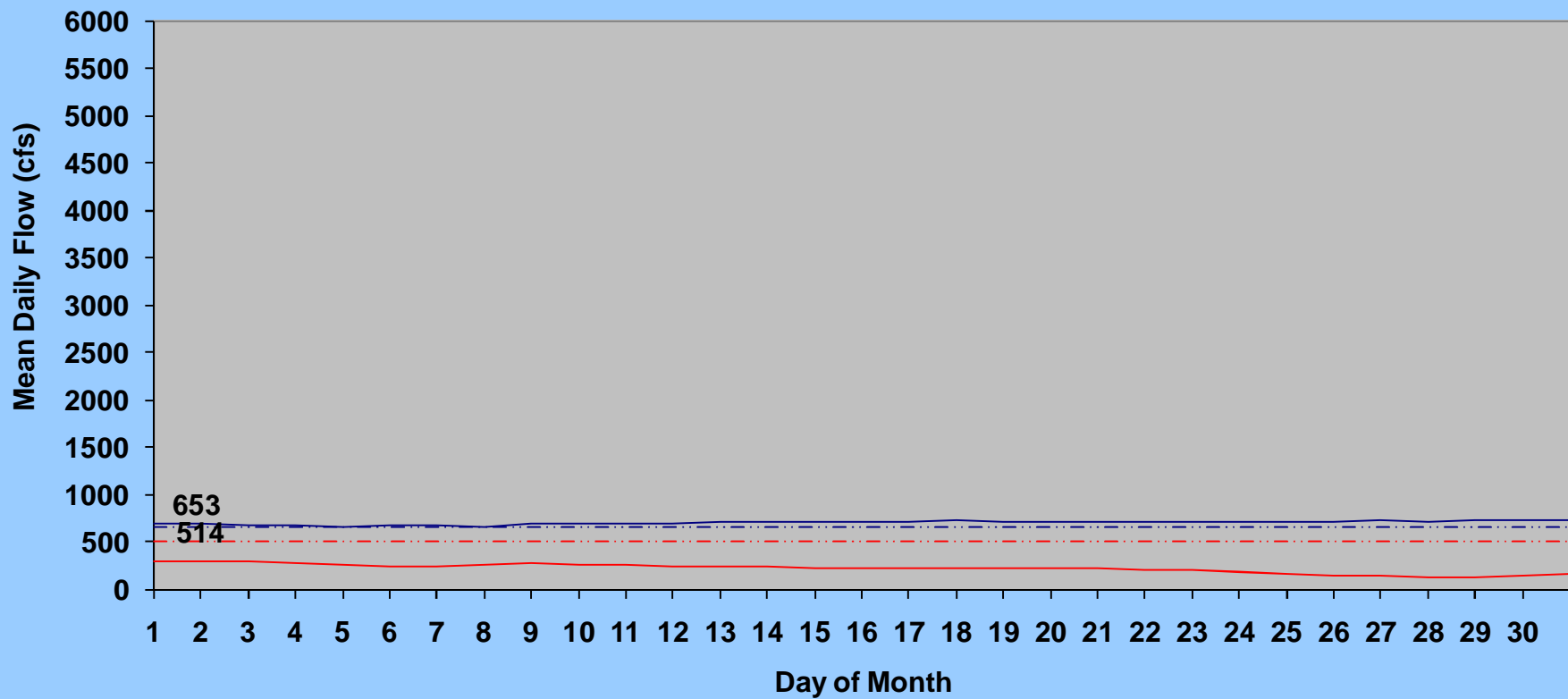


RIVER GAGES	MEAN DAILY FLOW (CFS)
<b>KERSEY</b>	<b>623</b>
<b>JULESBURG</b>	<b>765</b>
<b>THIS MONTH LAST YEAR</b>	
<b>KERSEY</b>	<b>708</b>
<b>JULESBURG</b>	<b>213</b>
<b>MEAN FOR PERIOD OF RECORD*</b>	
<b>KERSEY</b>	<b>652</b>
<b>JULESBURG</b>	<b>511</b>
* 1901-2008	
1902-2008	

**SOUTH PLATTE RIVER  
JANUARY 2010**

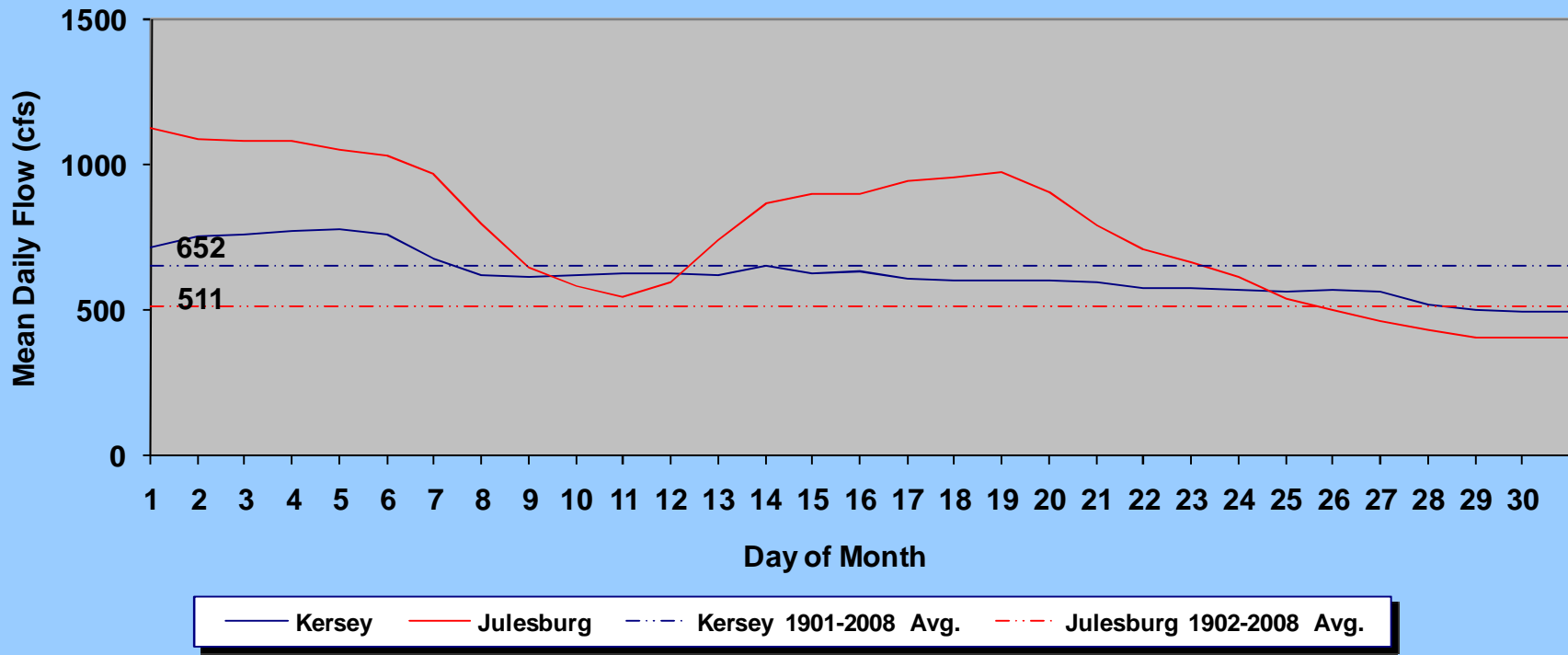


# SOUTH PLATTE RIVER JANUARY 2009

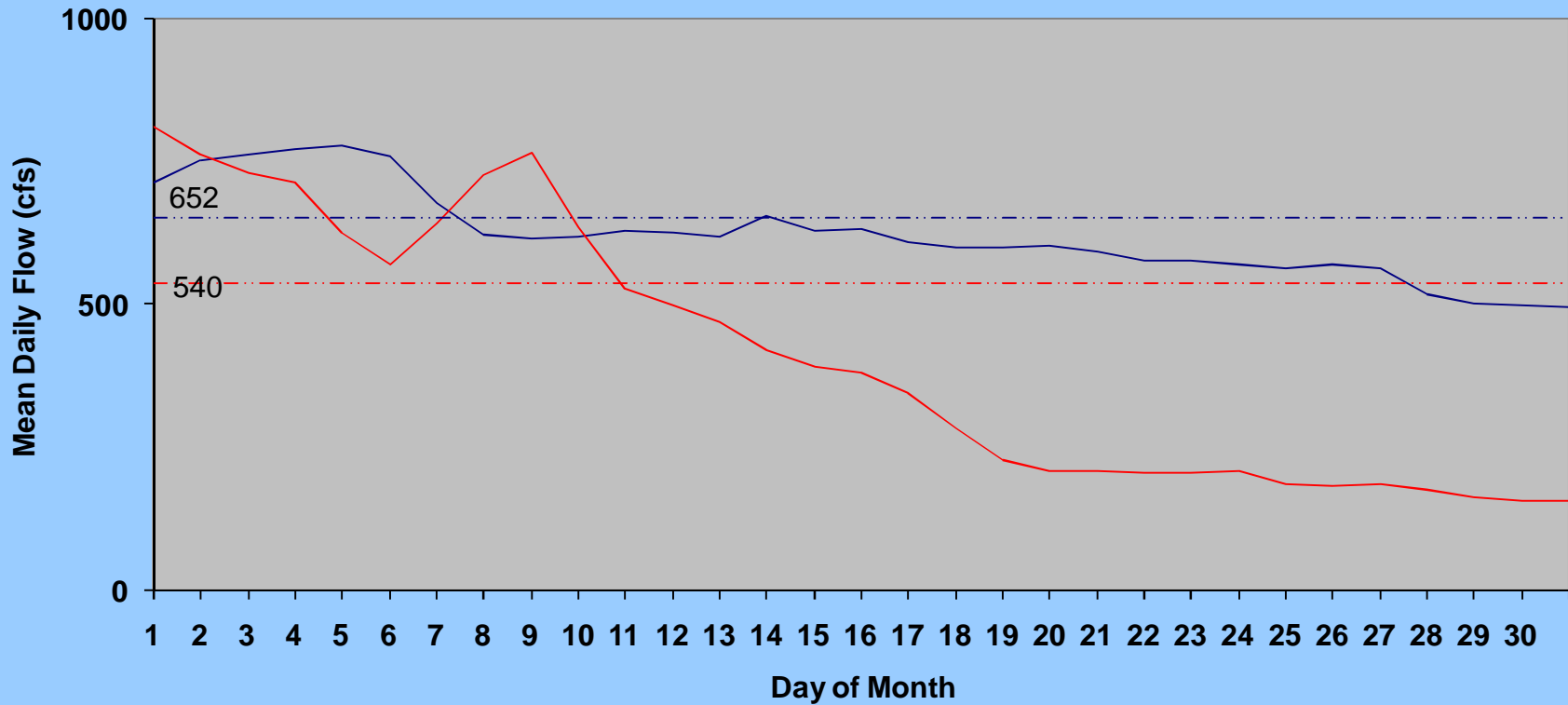


— Kersey — Julesburg - - - Kersey 1901-2007 Avg. - - - Julesburg 1902-2007 Avg.

# SOUTH PLATTE RIVER JANUARY 2010

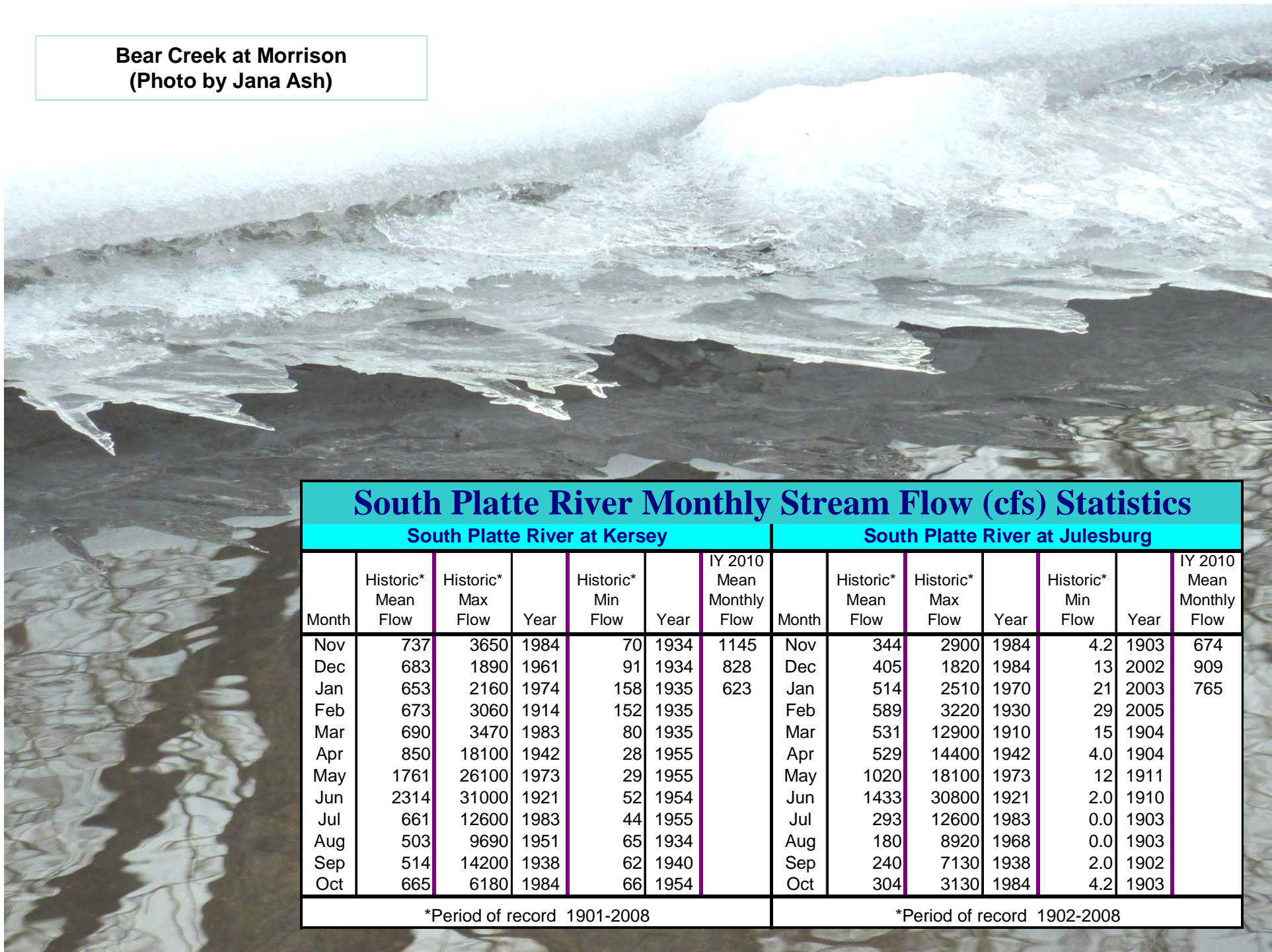


# KERSEY and BALZAC JANUARY 2010



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

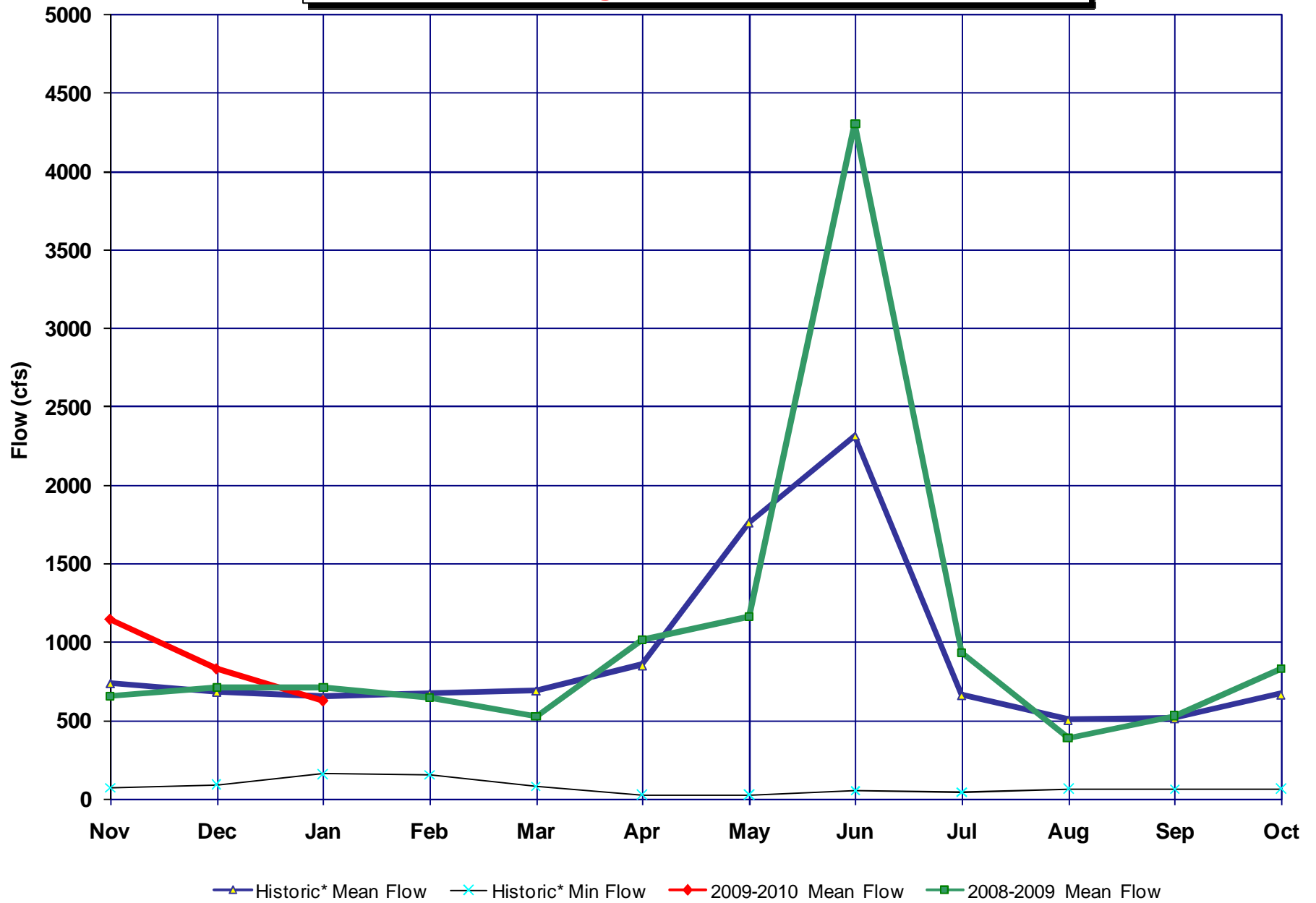
**Bear Creek at Morrison  
(Photo by Jana Ash)**



<b>South Platte River Monthly Stream Flow (cfs) Statistics</b>													
<b>South Platte River at Kersey</b>							<b>South Platte River at Julesburg</b>						
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	623	Jan	514	2510	1970	21	2003	765
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

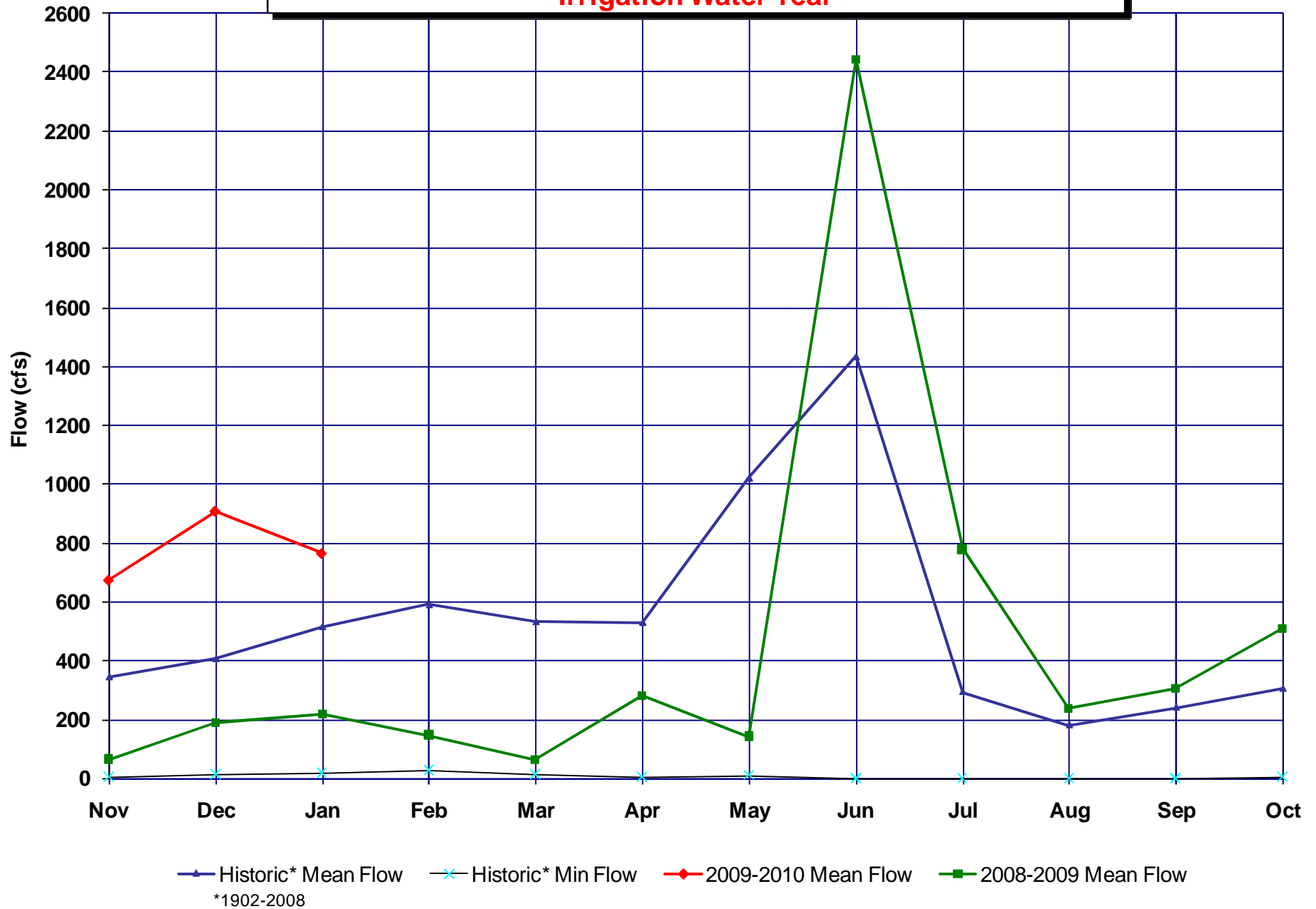
Irrigation Water Year



\*1901-2008

# South Platte River at Julesburg

Irrigation Water Year





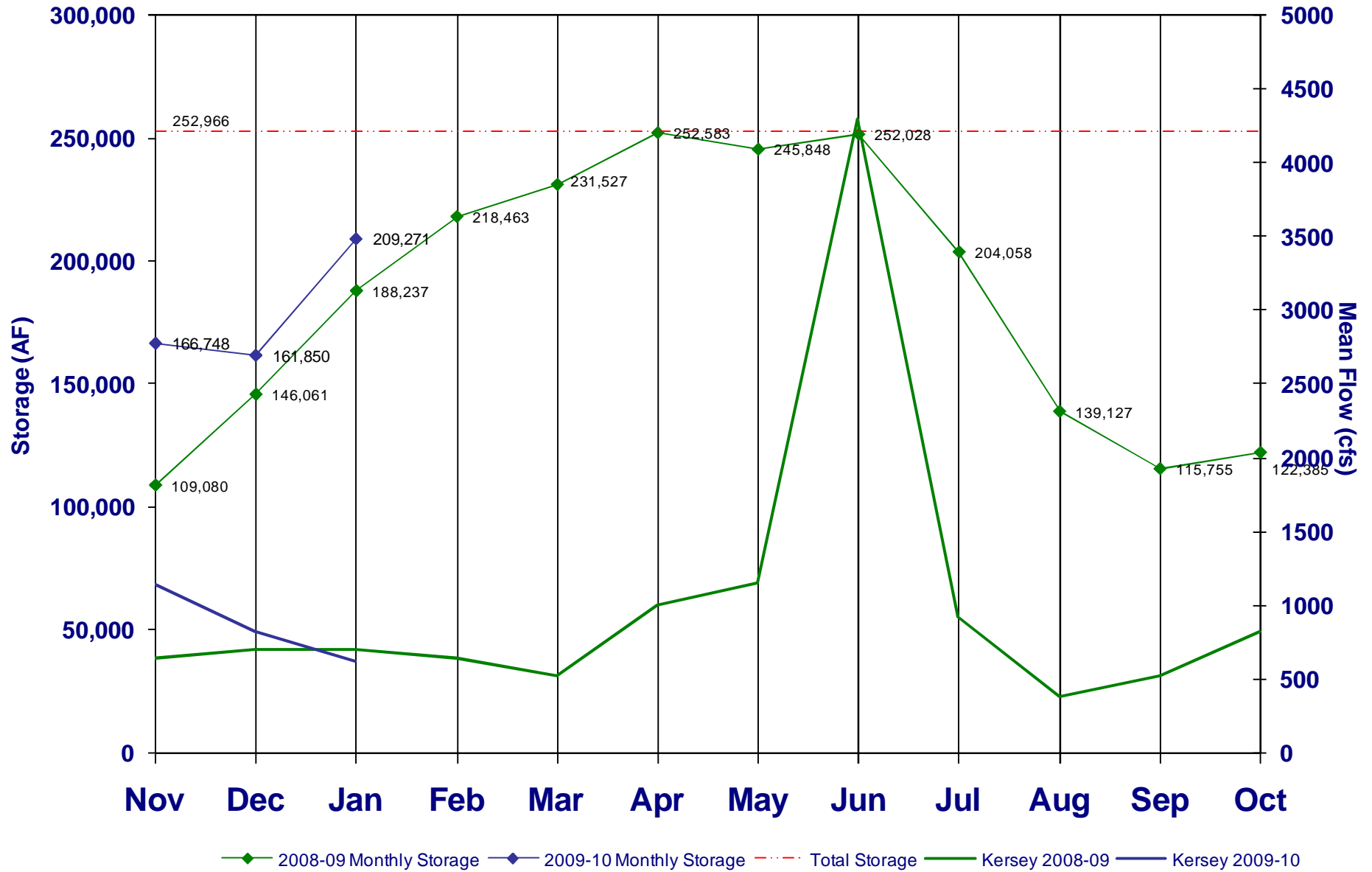
**Next four slides show Reservoir Storage  
below and above Kersey**



**South Platte River at Waterton  
(Photo by (Jana Ash))**

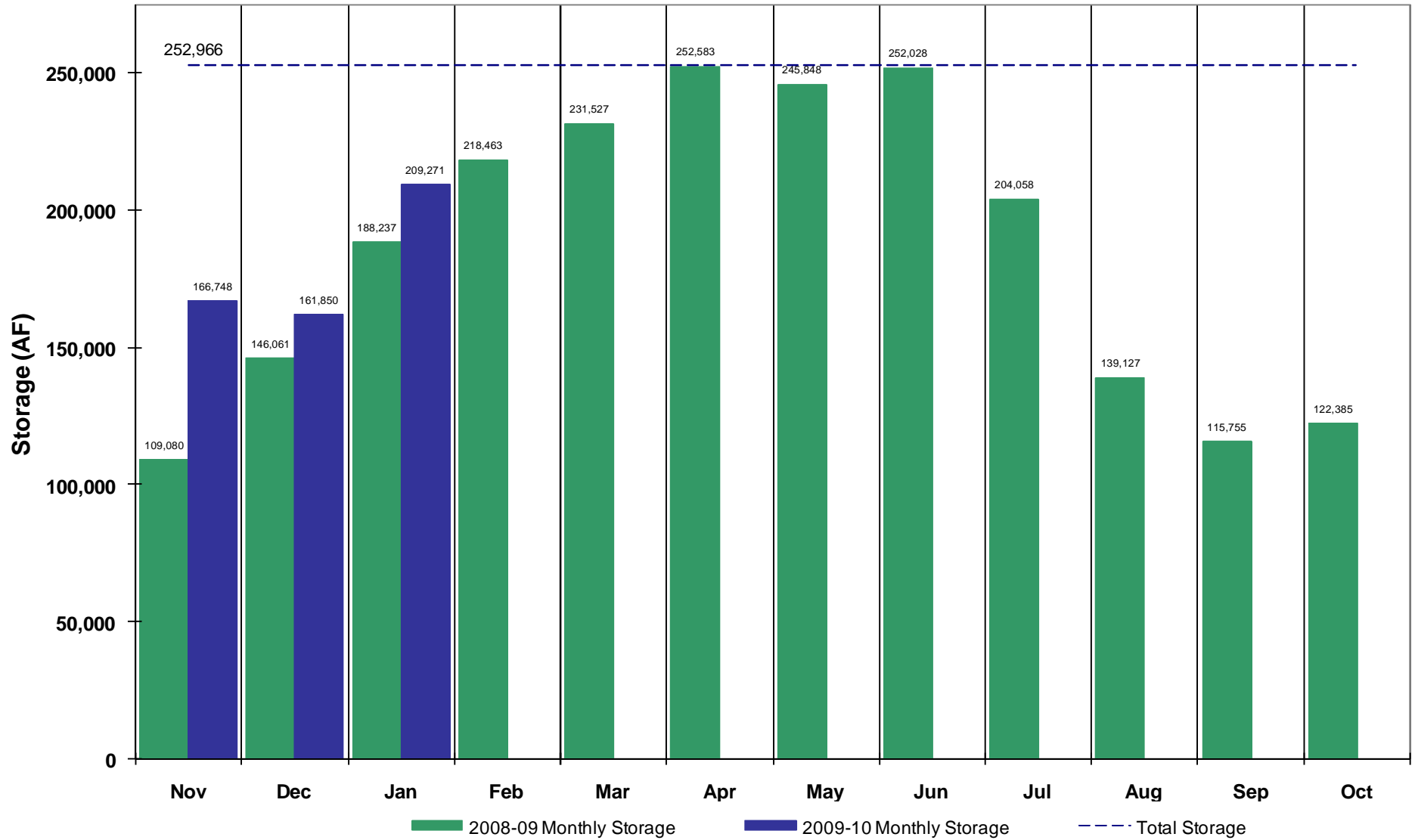
# Reservoir Storage below Kersey

## Selected Reservoirs\*



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

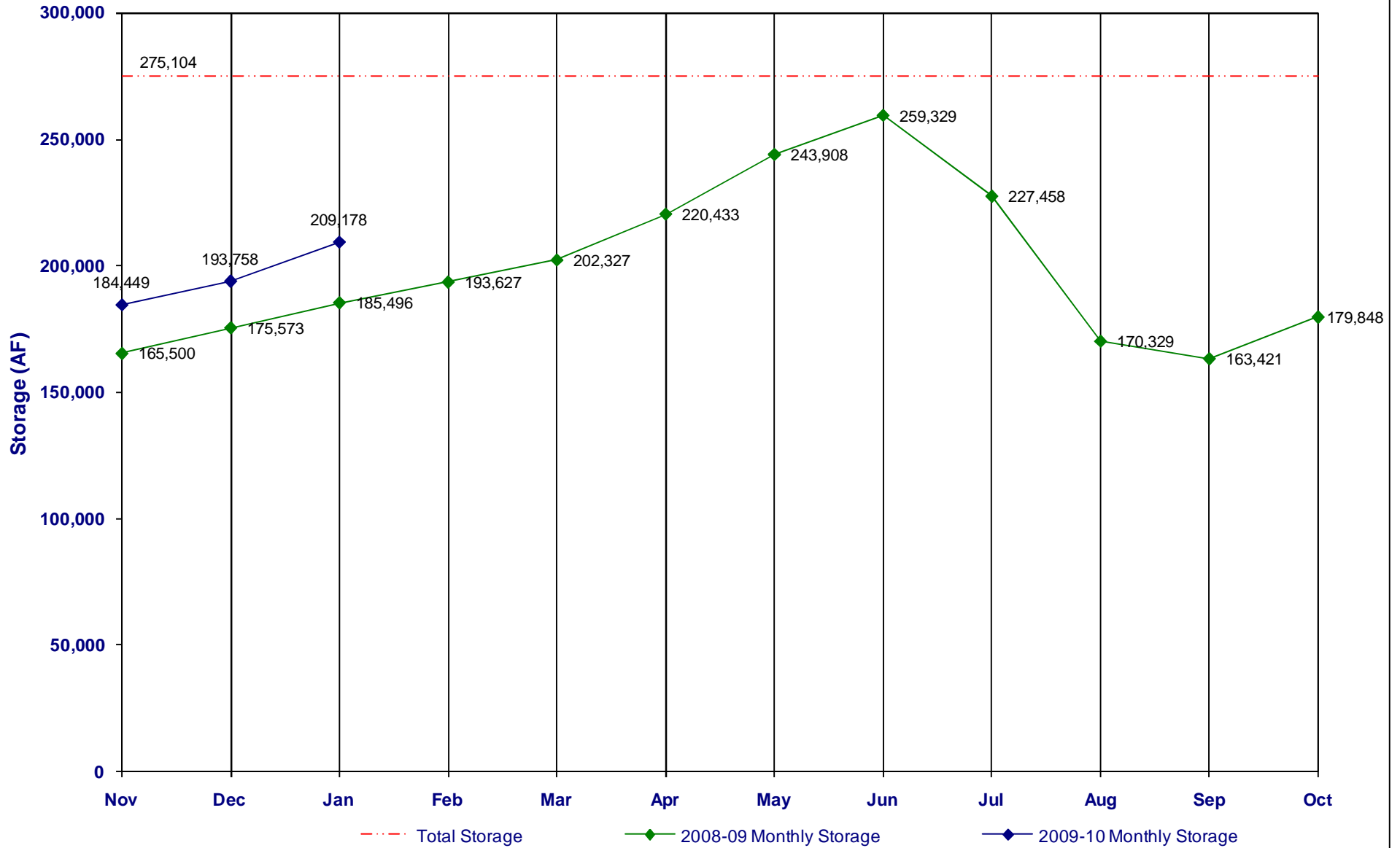
# South Platte Reservoirs Storage below Kersey\*



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

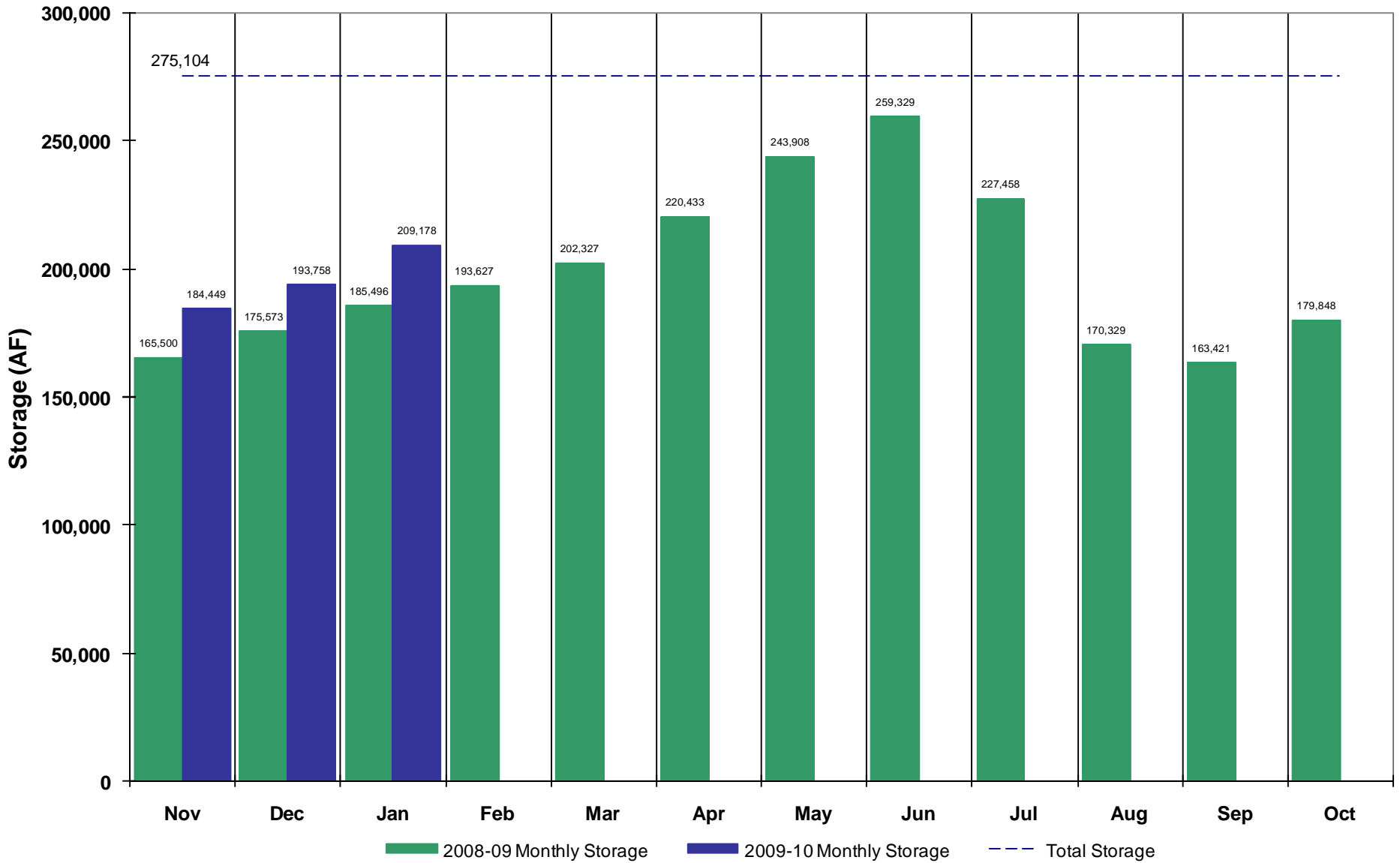
# Reservoir Storage above Kersey

## 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

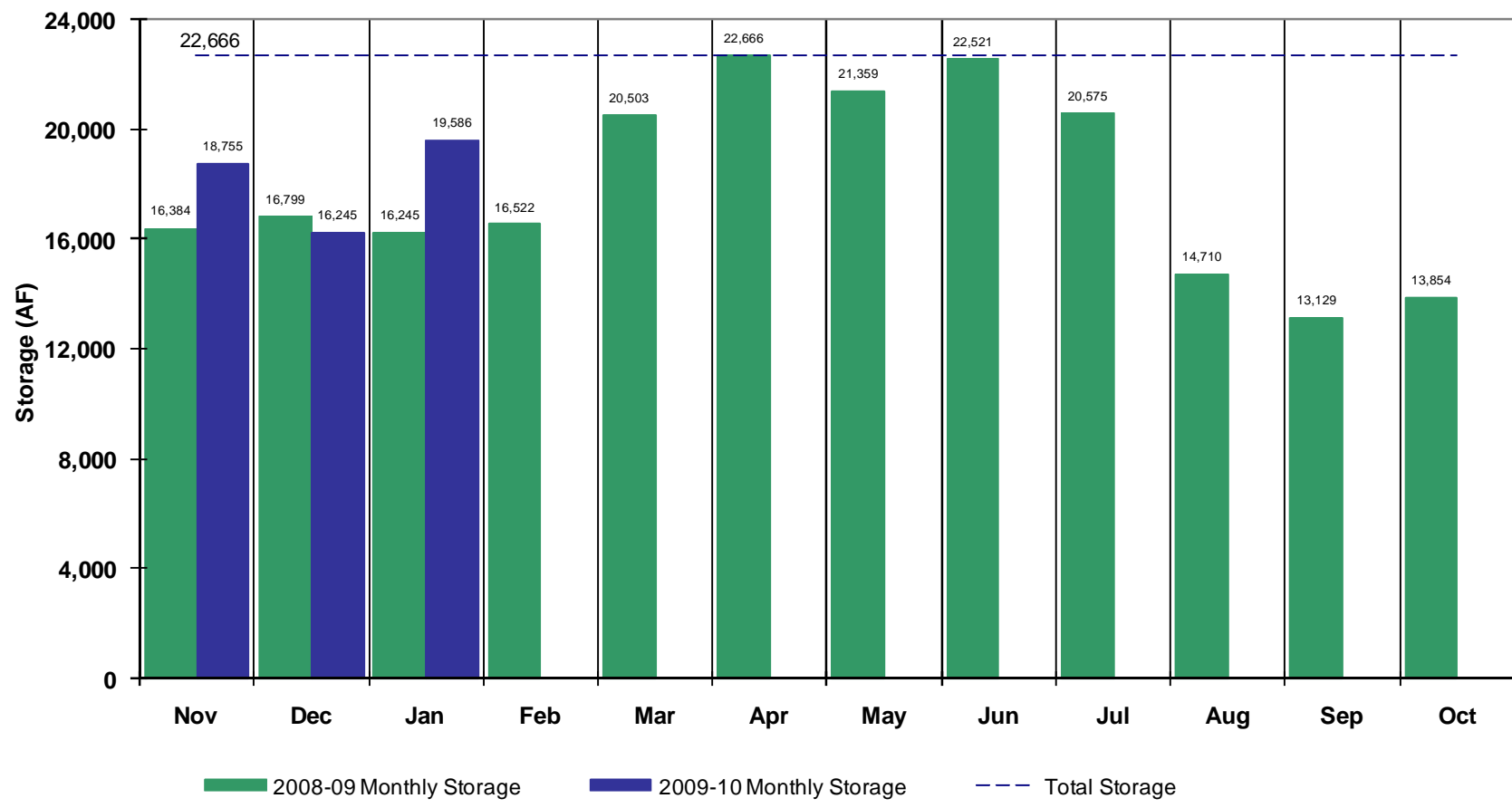
A photograph of a dam on the South Platte River. The water is turbulent as it flows over the dam structure. Large, irregular chunks of clear ice are floating in the water in the foreground and midground. The sky is overcast and grey.

# **Individual Reservoir Storage Follows**

**South Platte River at Waterton  
(Photo by Jana Ash)**

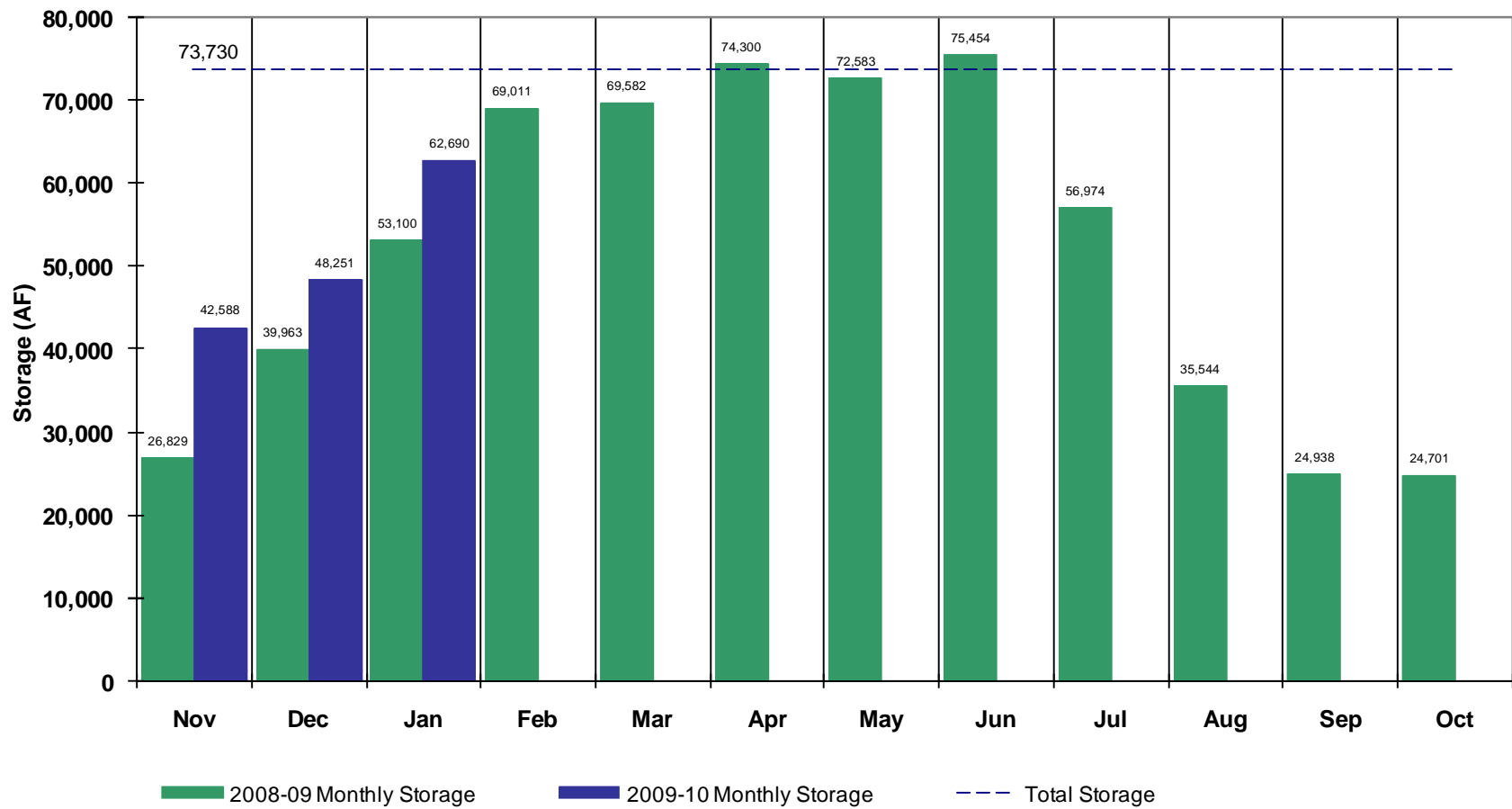
# Julesburg Reservoir

(District 64 - Agricultural)



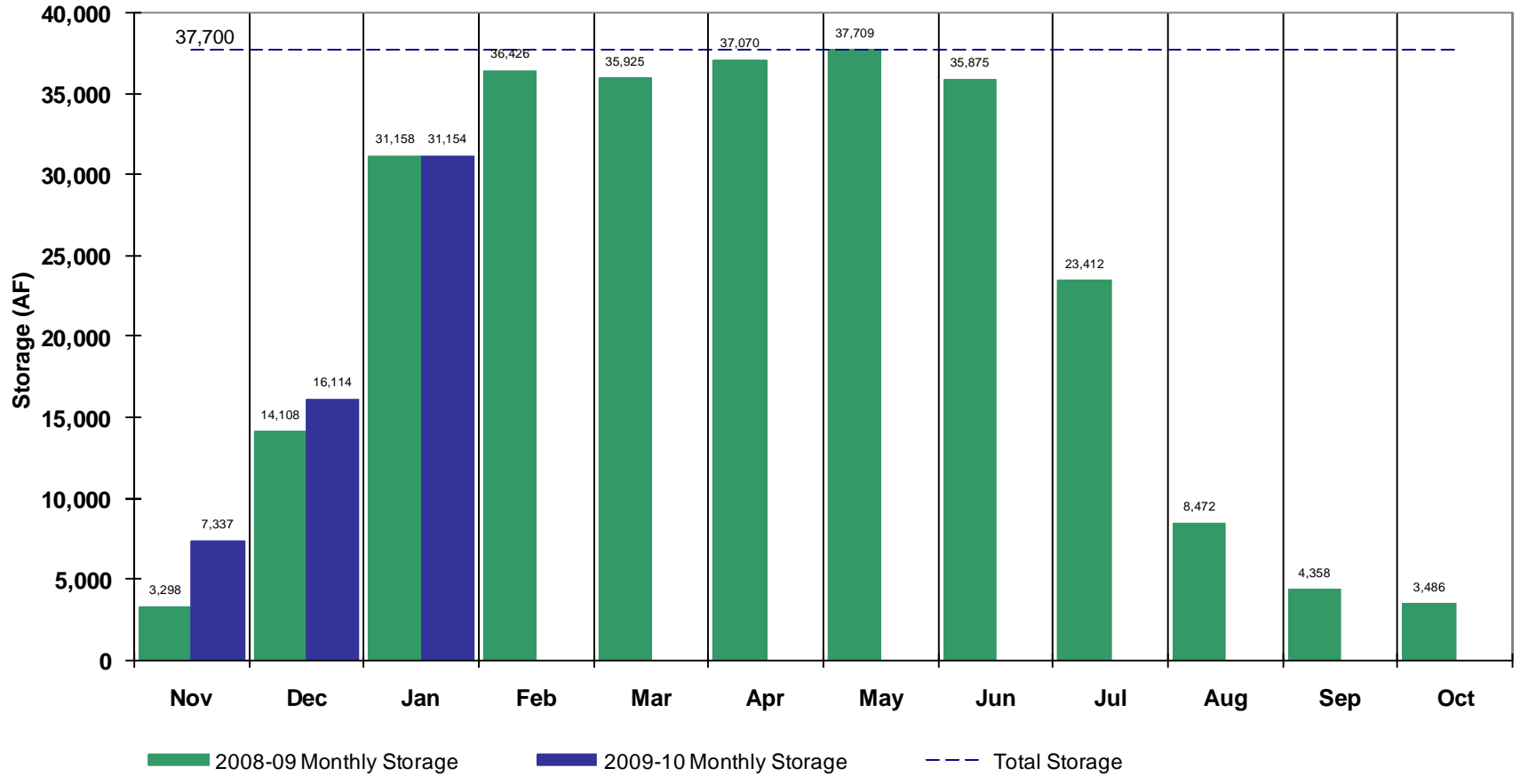
# North Sterling Reservoir

(District 64- Agricultural)



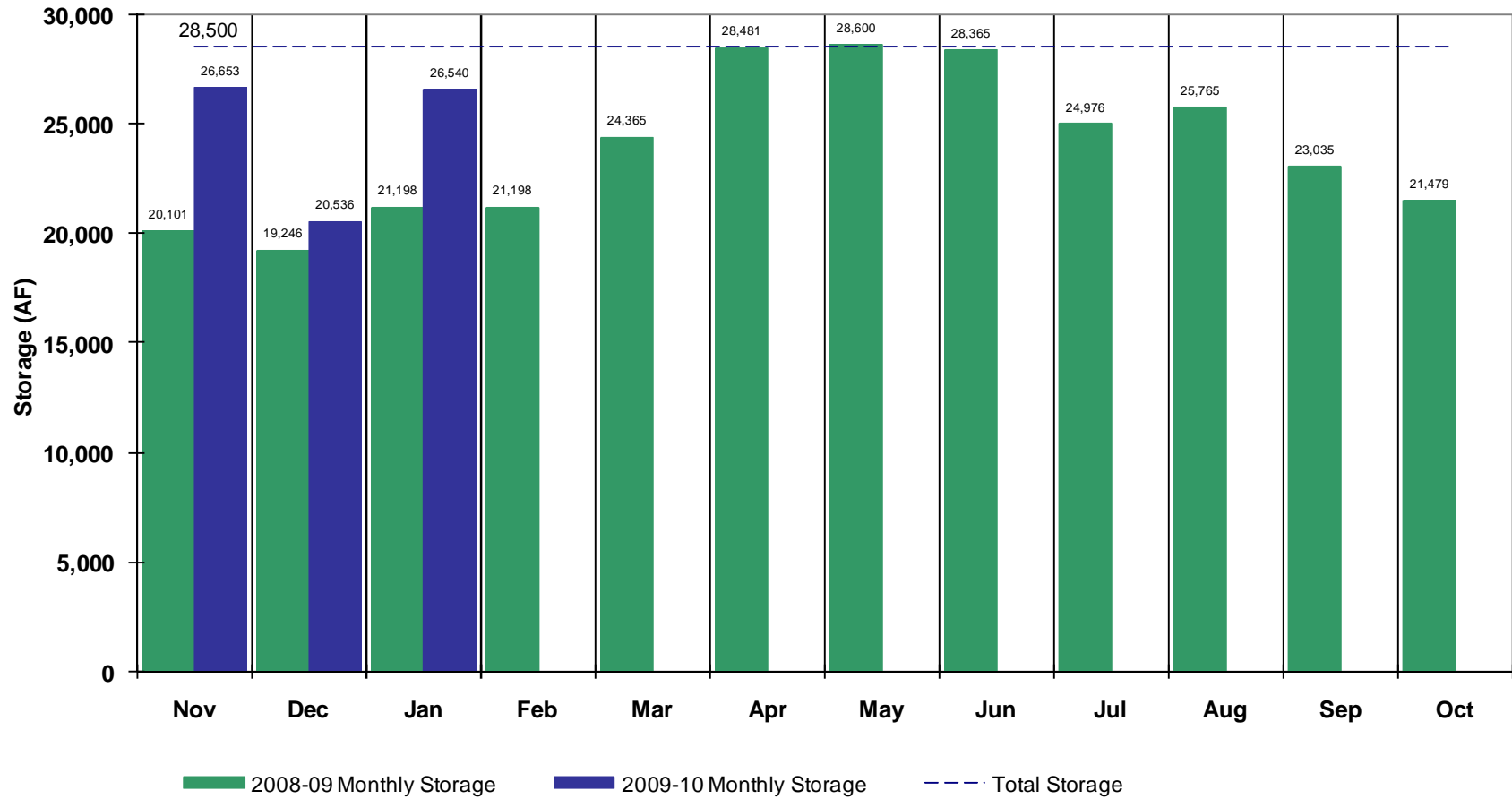


# Empire Reservoir (District 1- Agricultural)



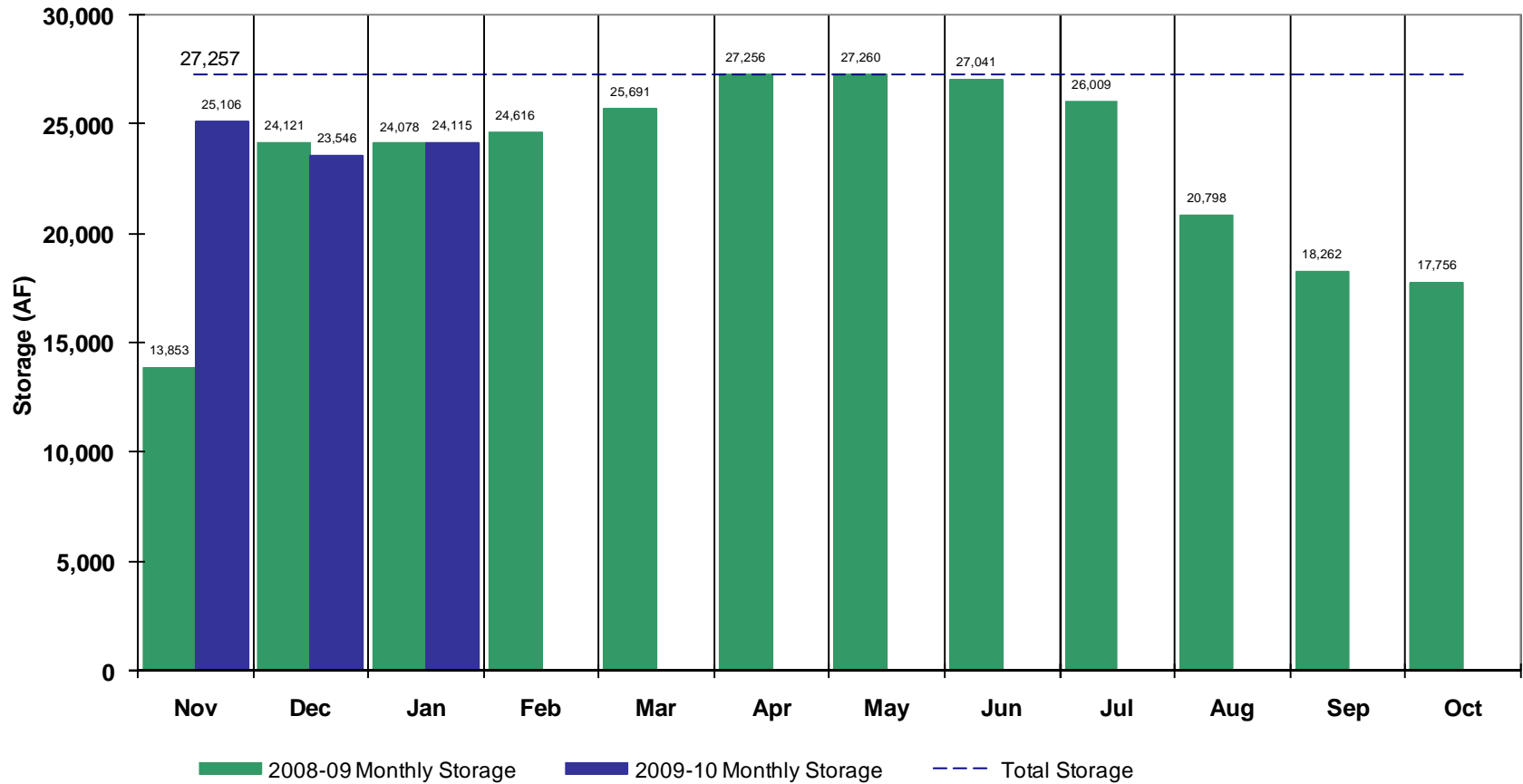
# Prewitt Reservoir

(District 64- Agricultural)



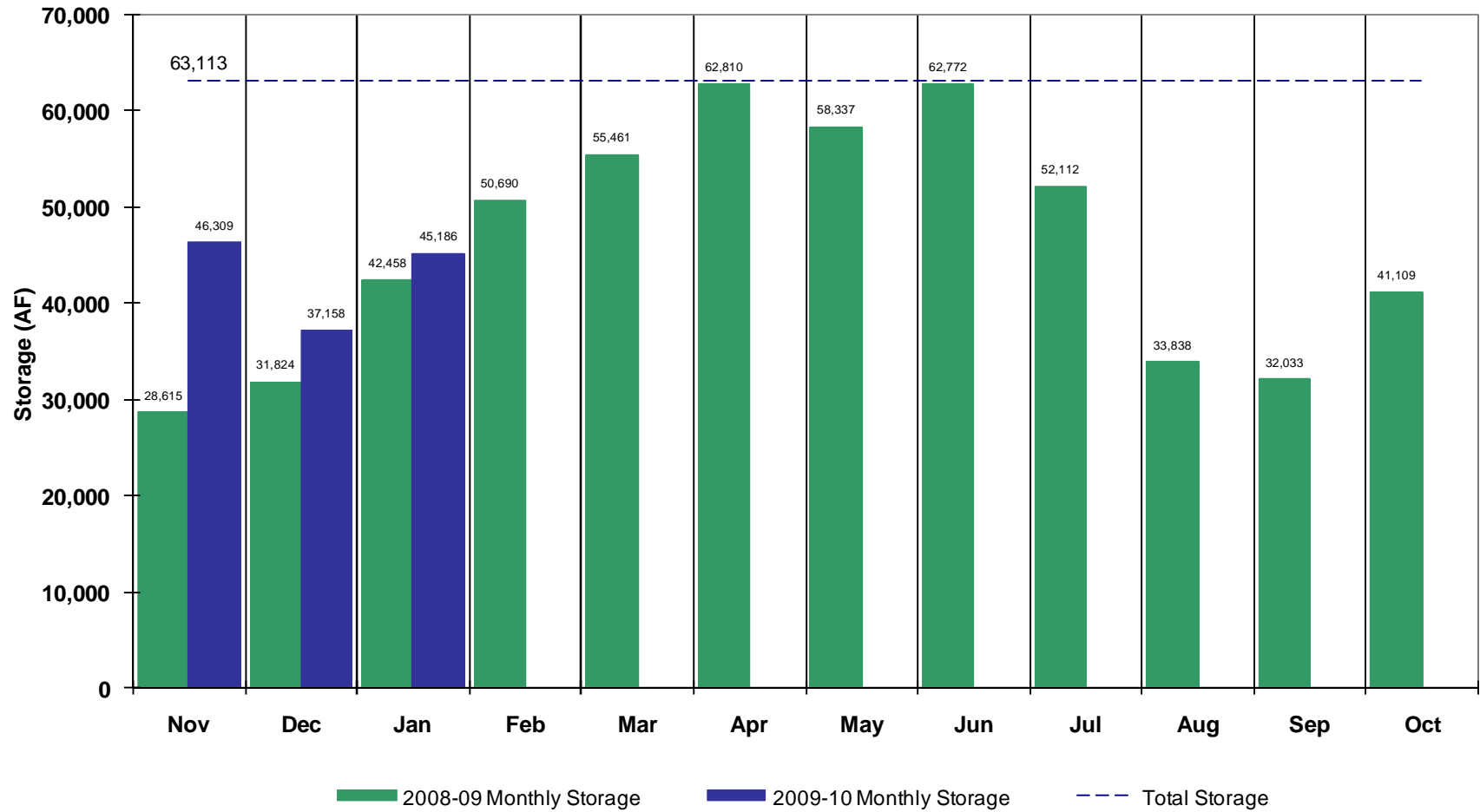
# Jackson Reservoir

(District 1- Agricultural)



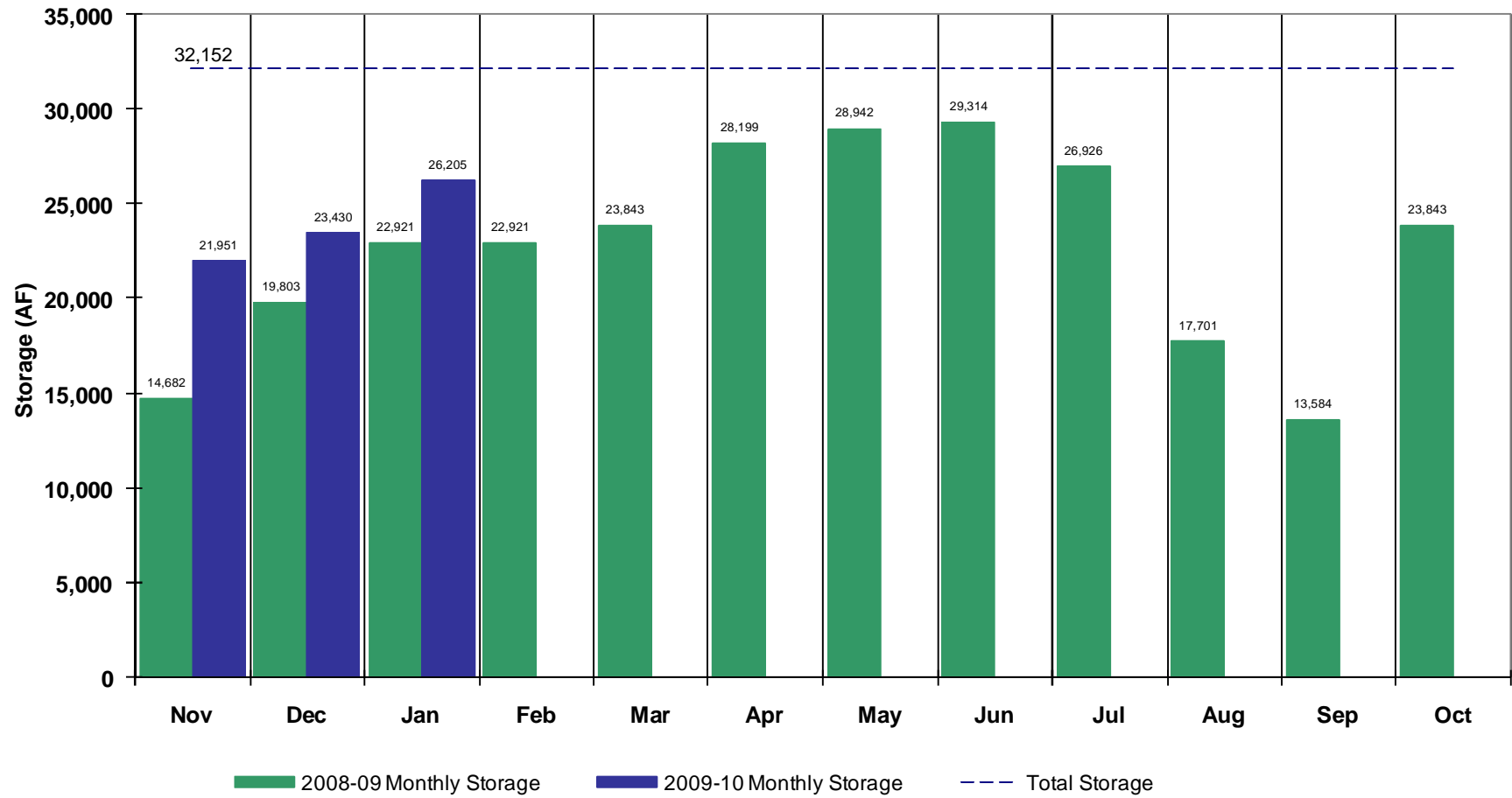
# Riverside Reservoir

(District 1 - Agricultural)



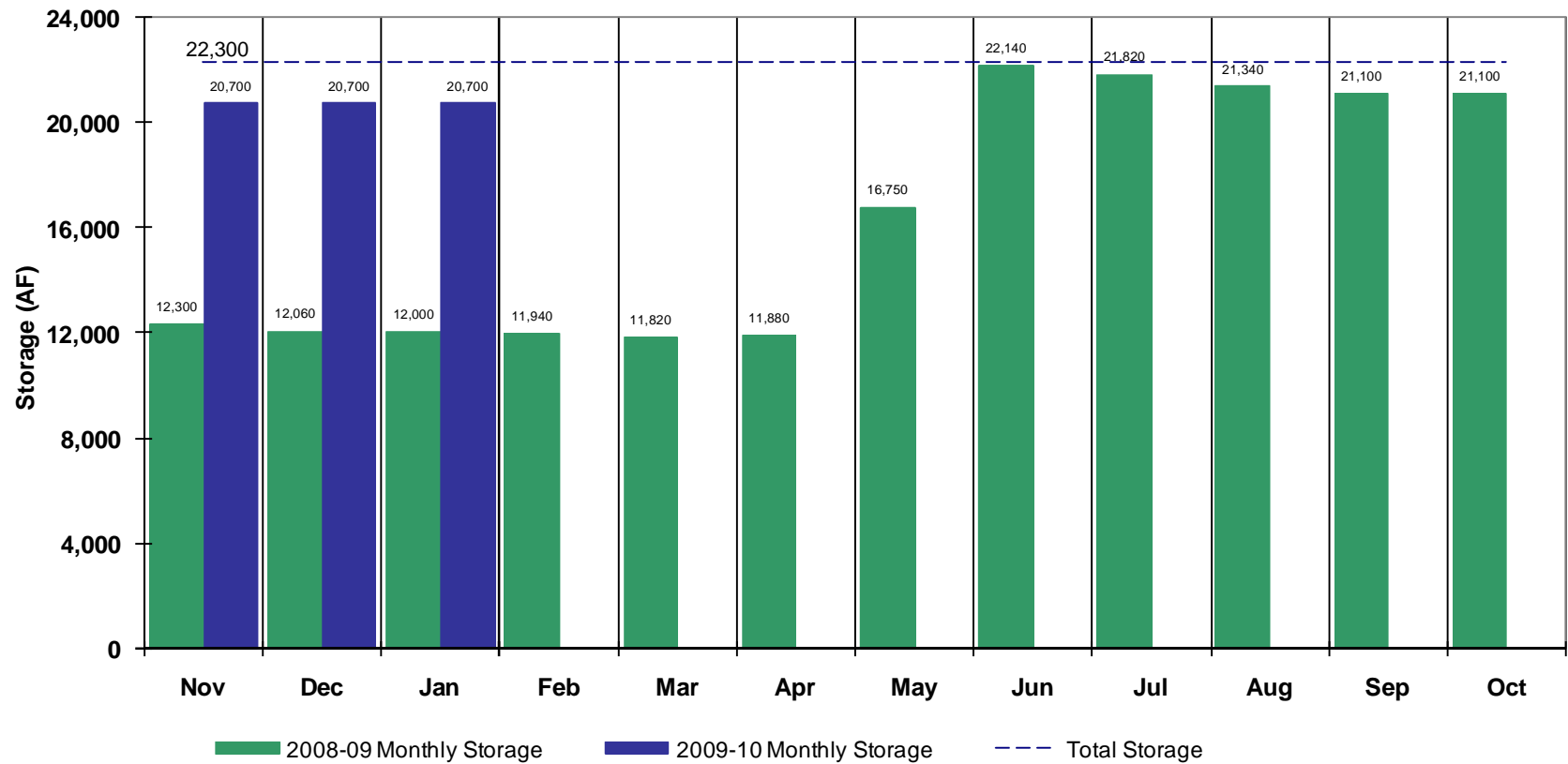
# Barr Lake

(District 2 - Agricultural)



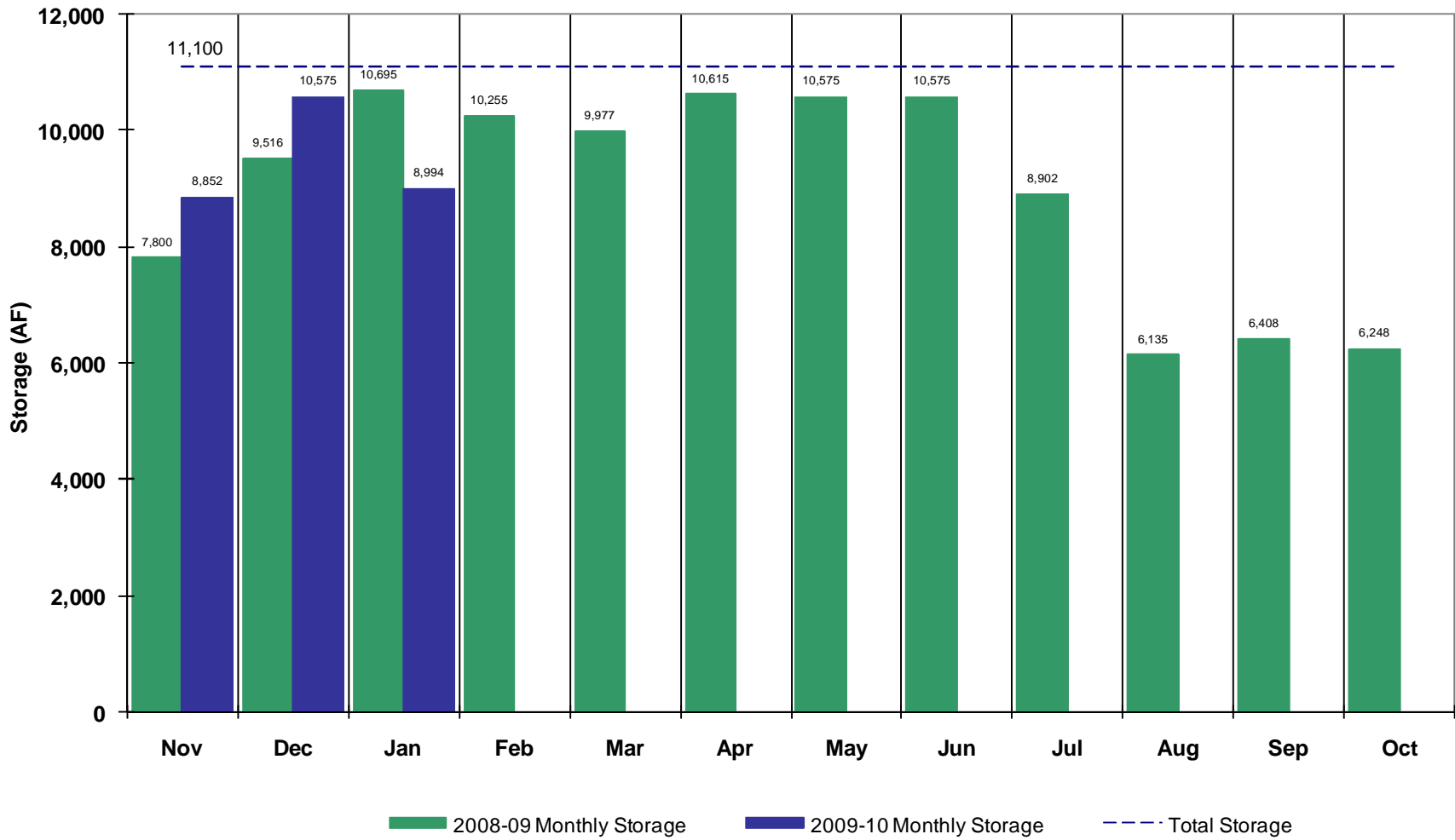
# Cobb Lake

(District 3, Poudre River - Agricultural)



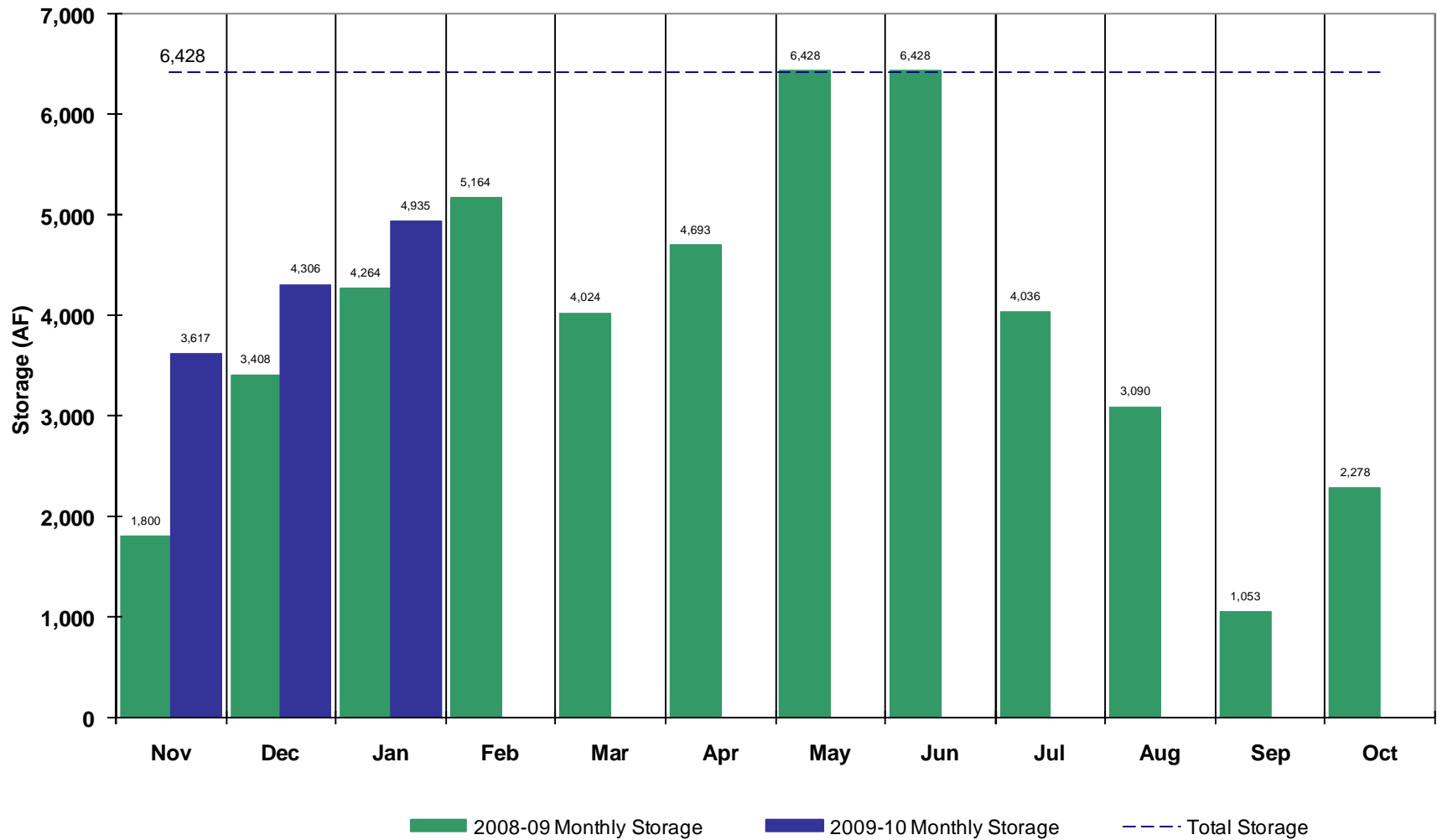
# Fossil Creek Reservoir

(District 3, Poudre River - Agricultural)



# Halligan Reservoir

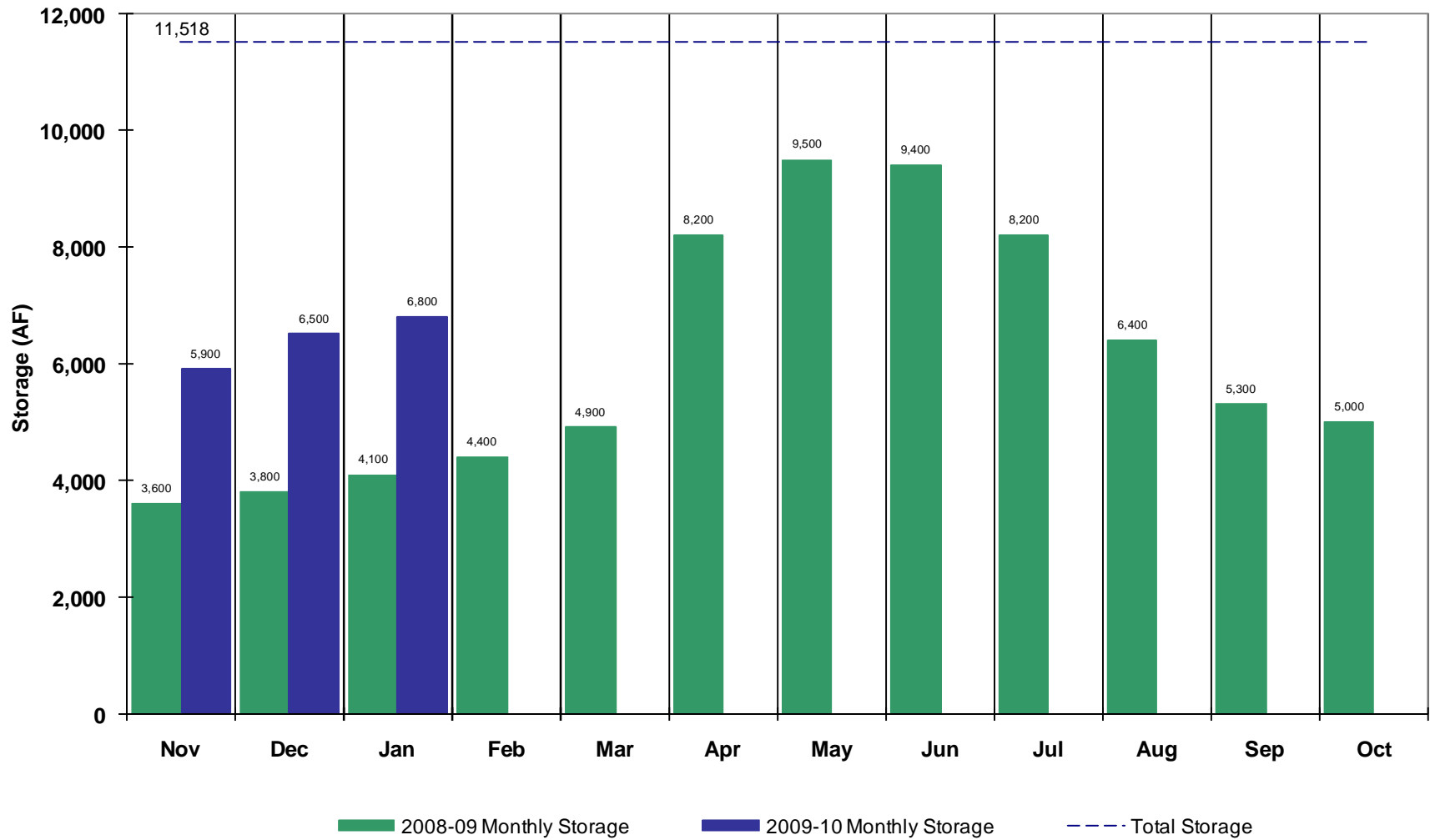
(District 3, Poudre River - Agricultural)





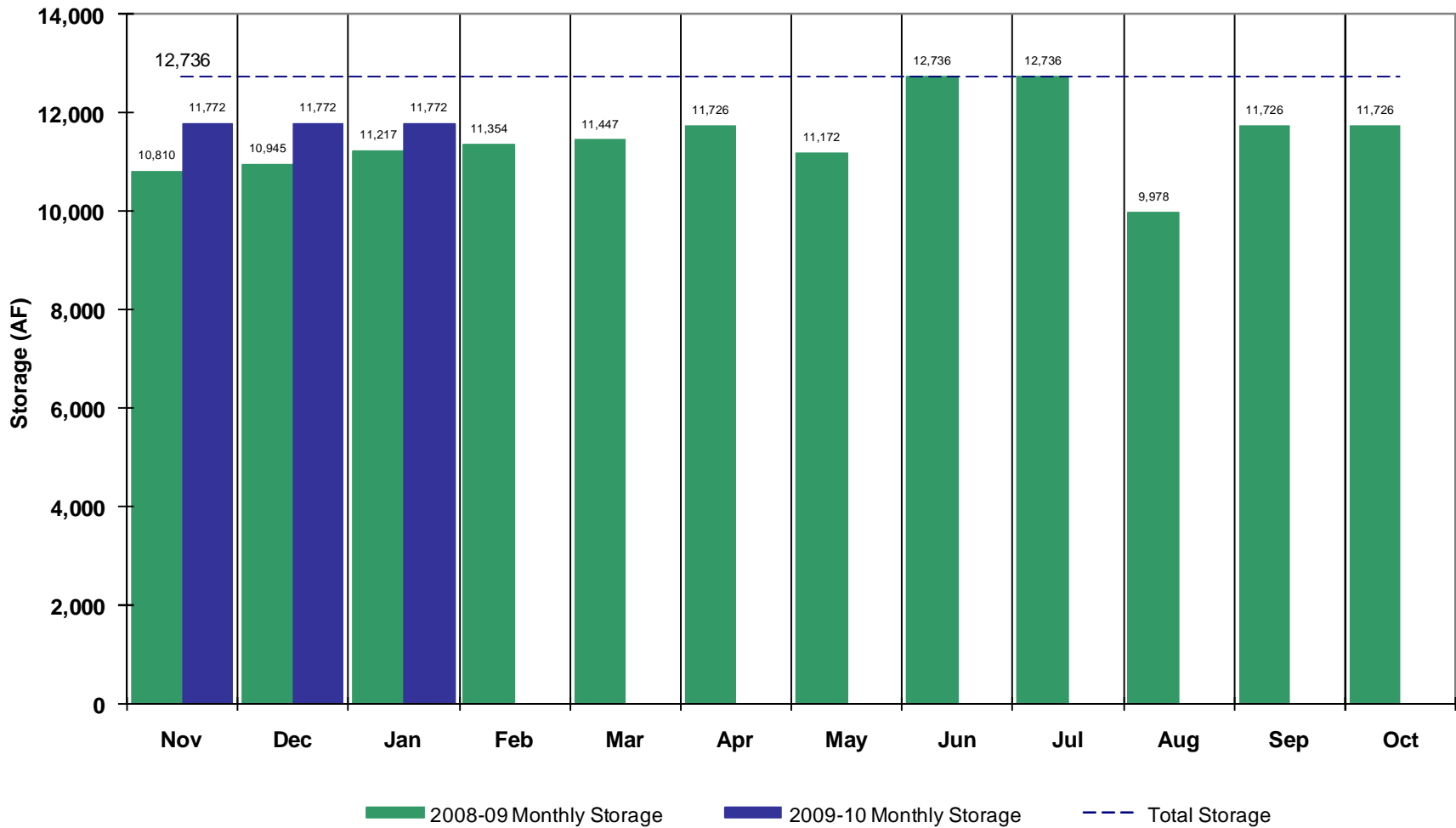
# Marshall Lake

(District 6, Boulder Creek - Agricultural)



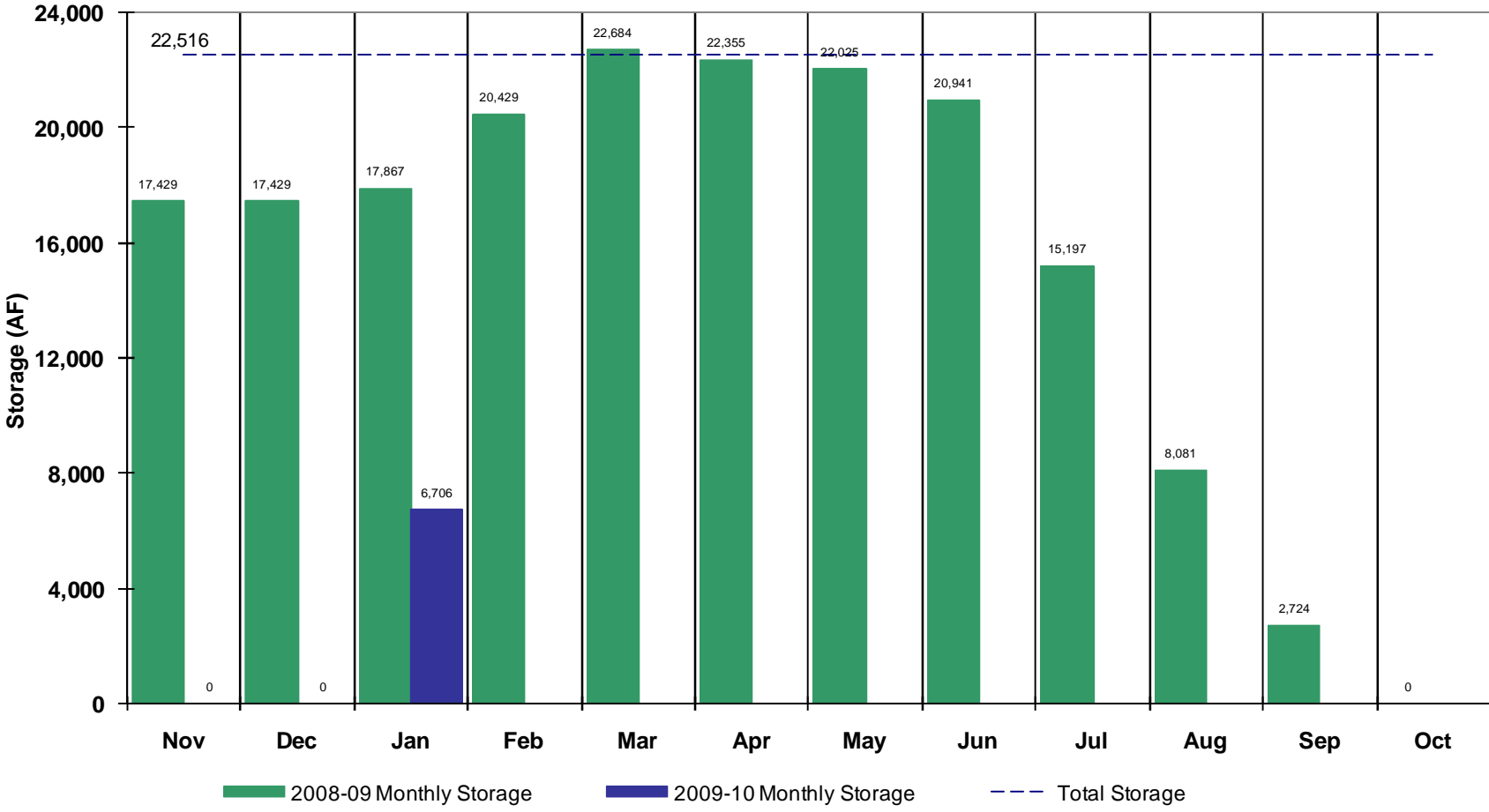
# Loveland Greeley Reservoir

(District 4, Big Thompson River - Agricultural)



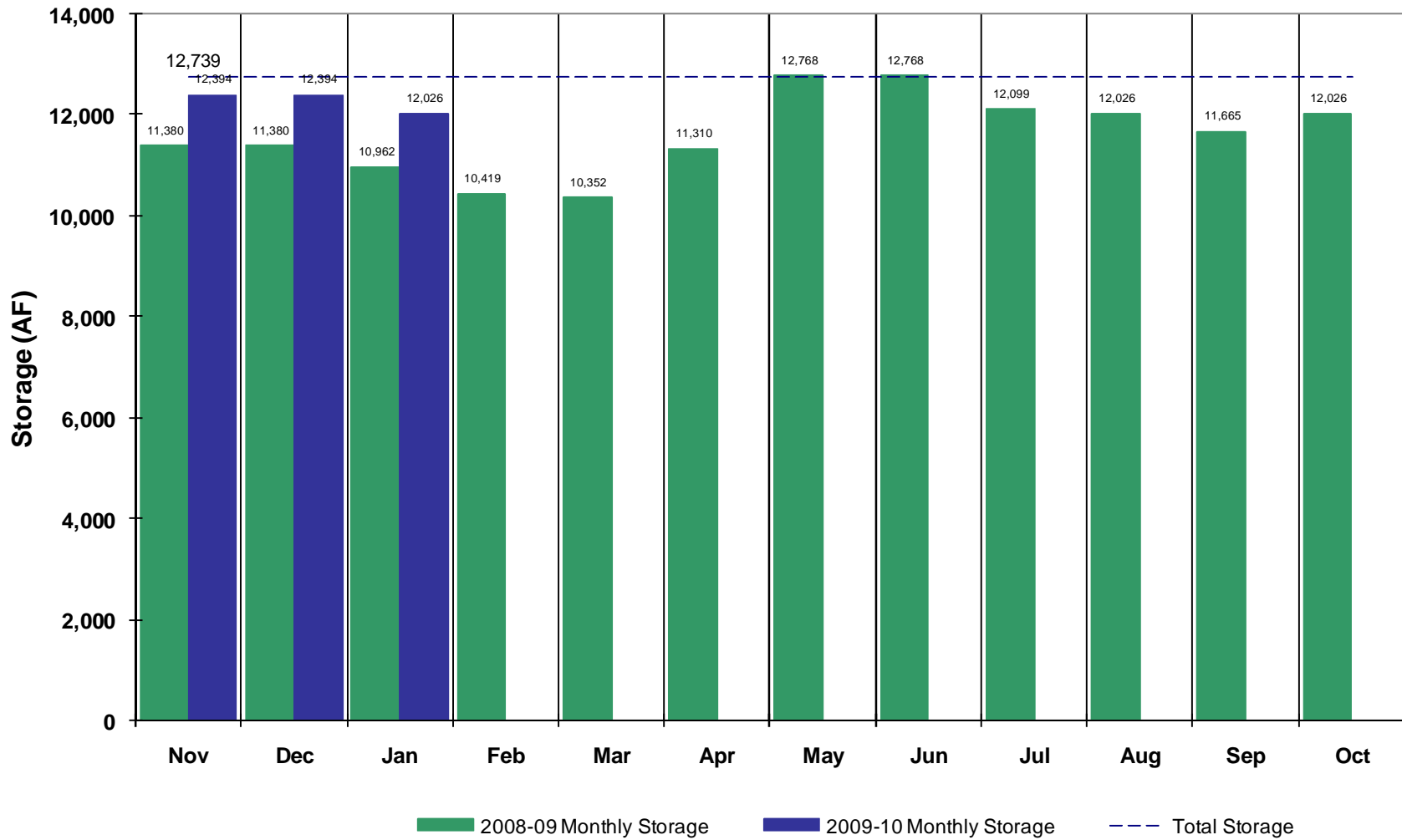
# Milton Reservoir

(District 2 - Agricultural)

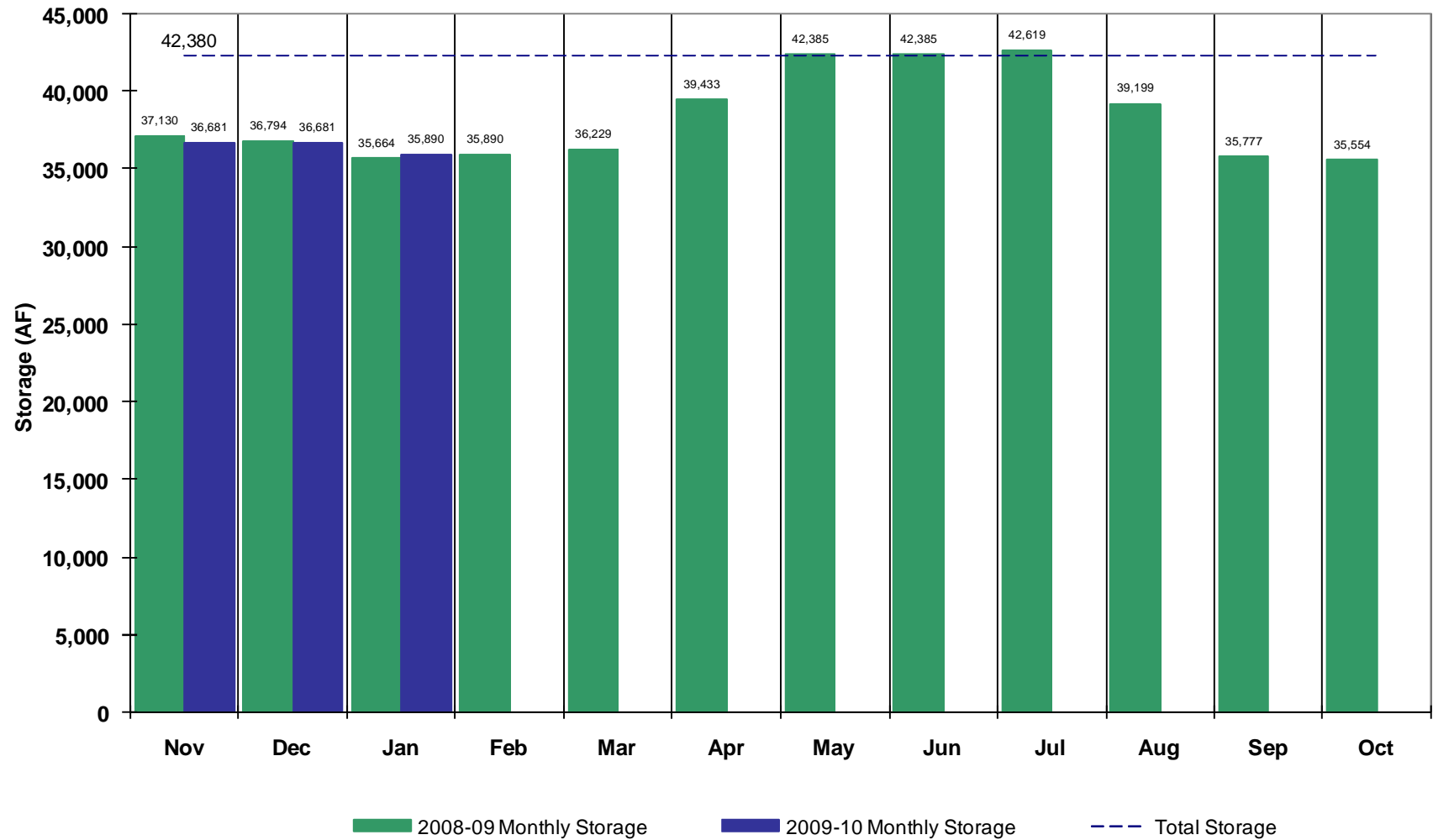


# Union Reservoir

(District 5, St. Vrain Creek - Agricultural)

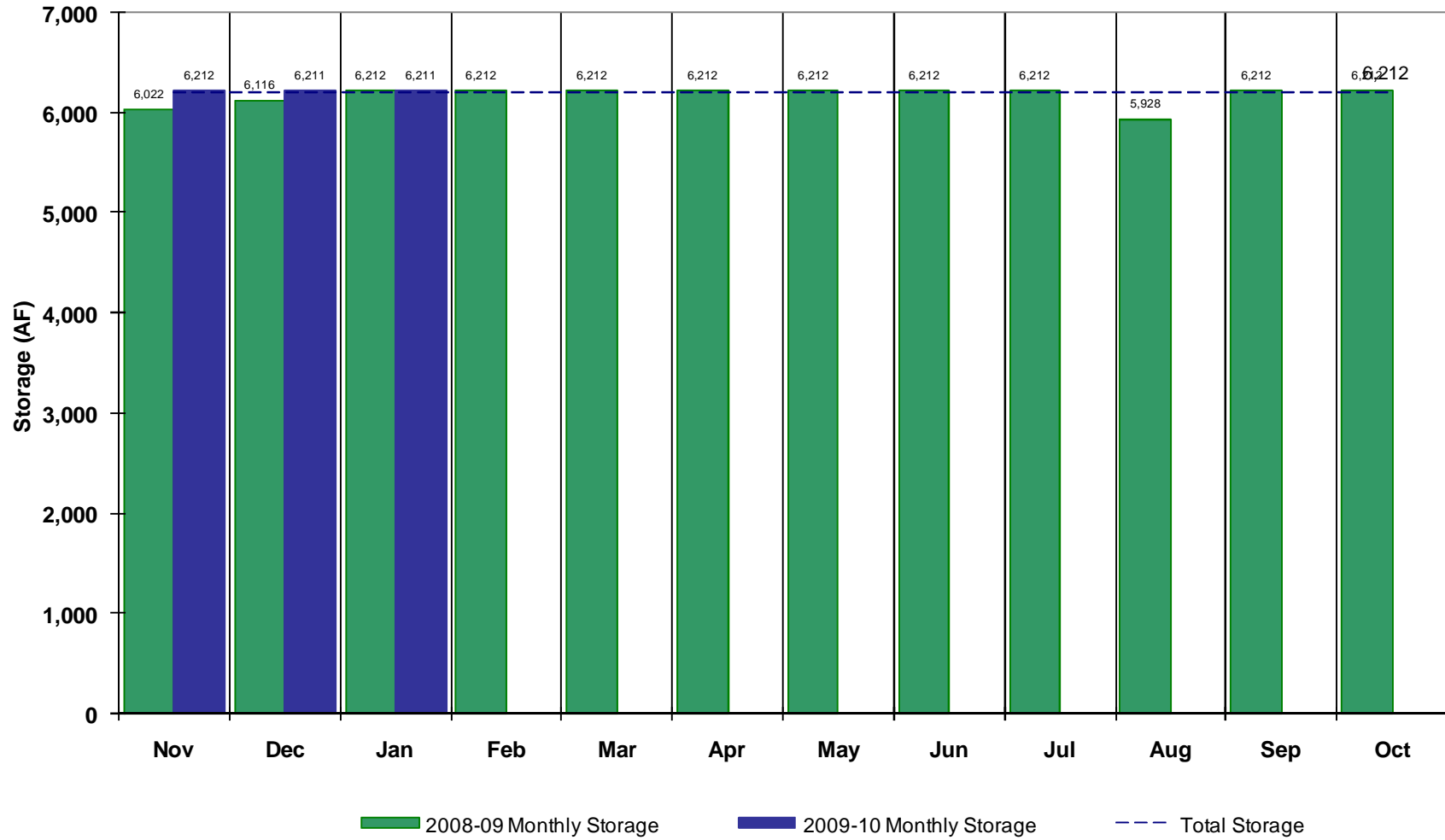


# Standley Lake (Agricultural)



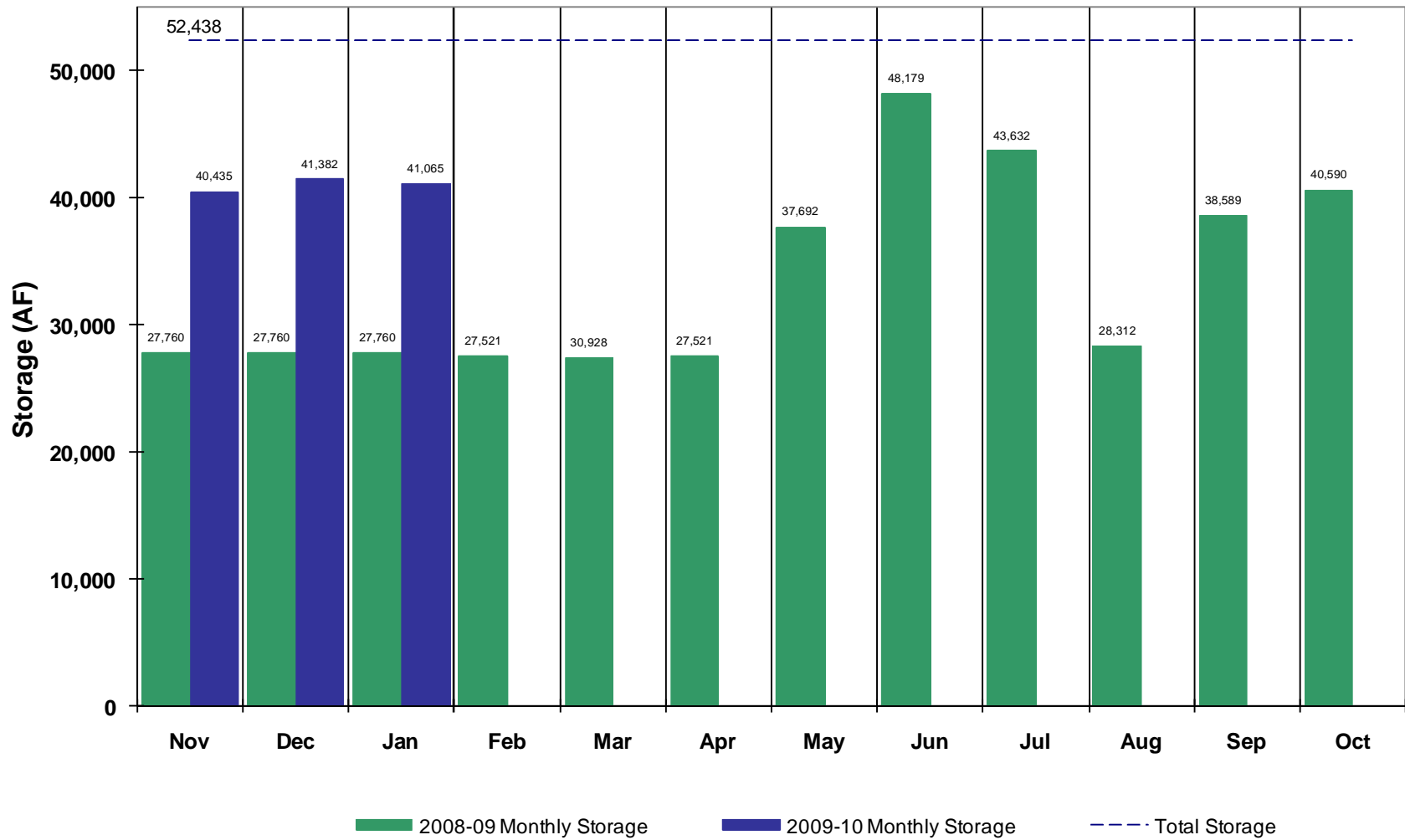
# Lower Latham Reservoir

## (District 2 - Agricultural)



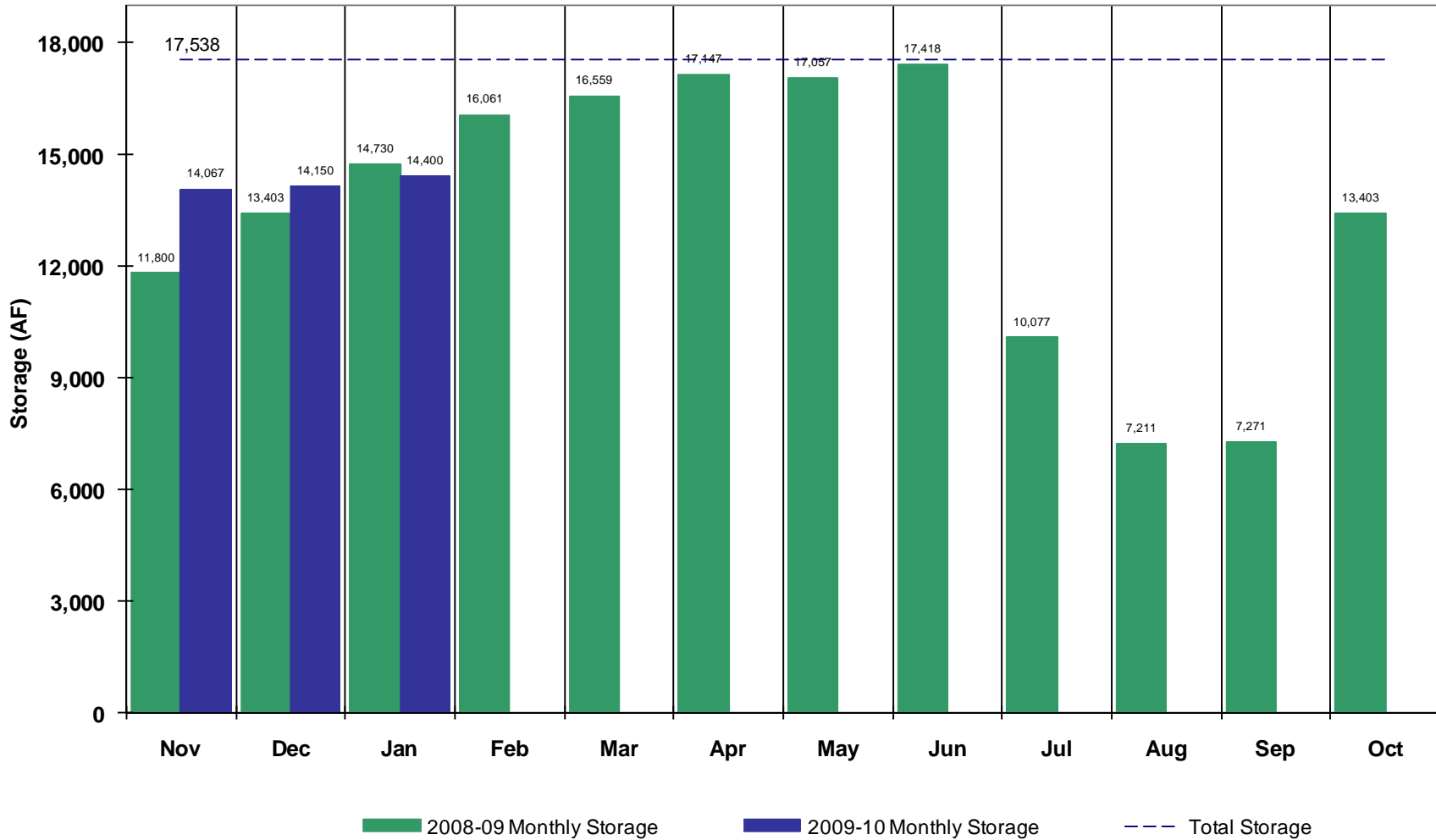
# Boyd Lake

(District 4, Big Thompson River - Agricultural)



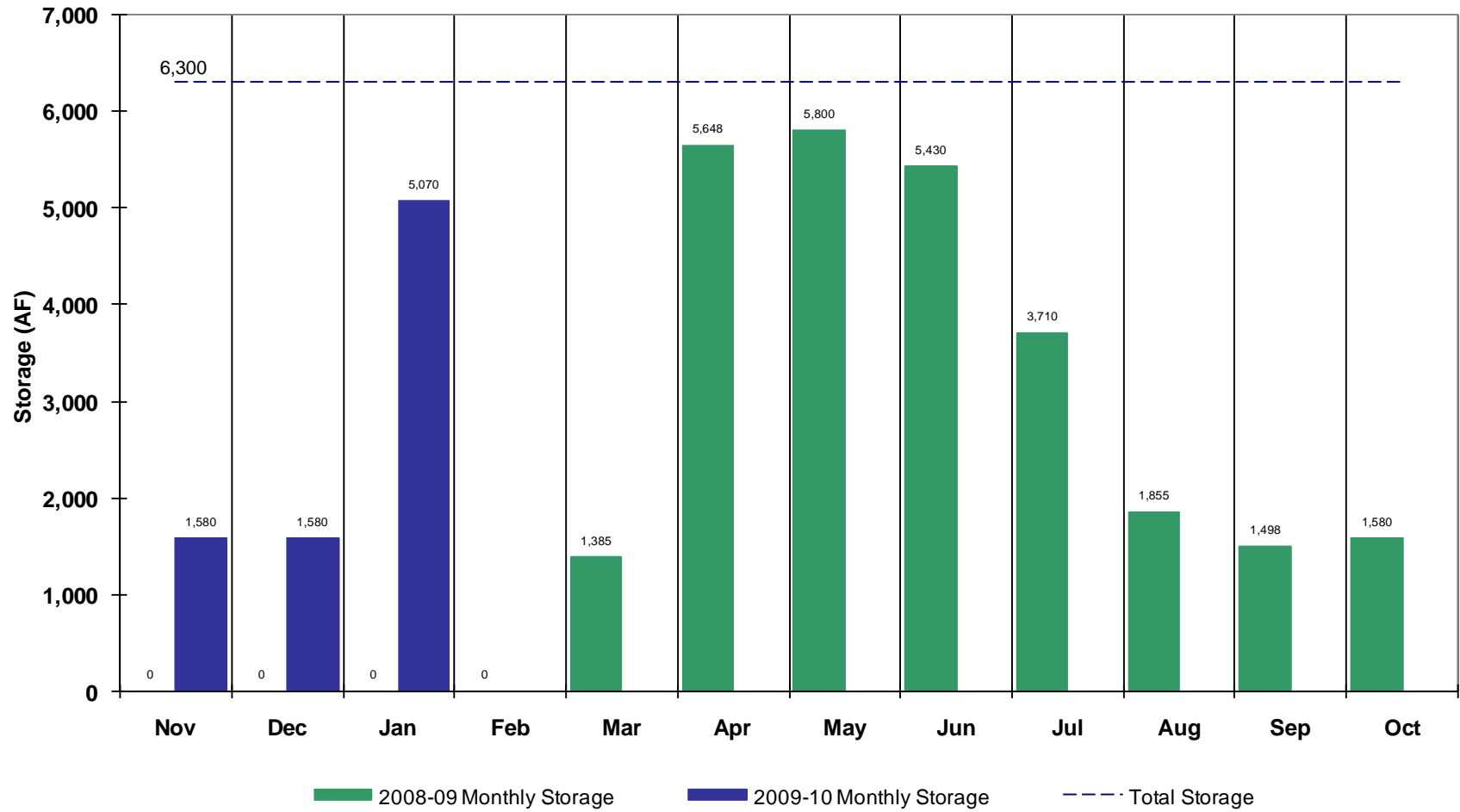
# Windsor Reservoir

(District 3, Poudre River - Agricultural)



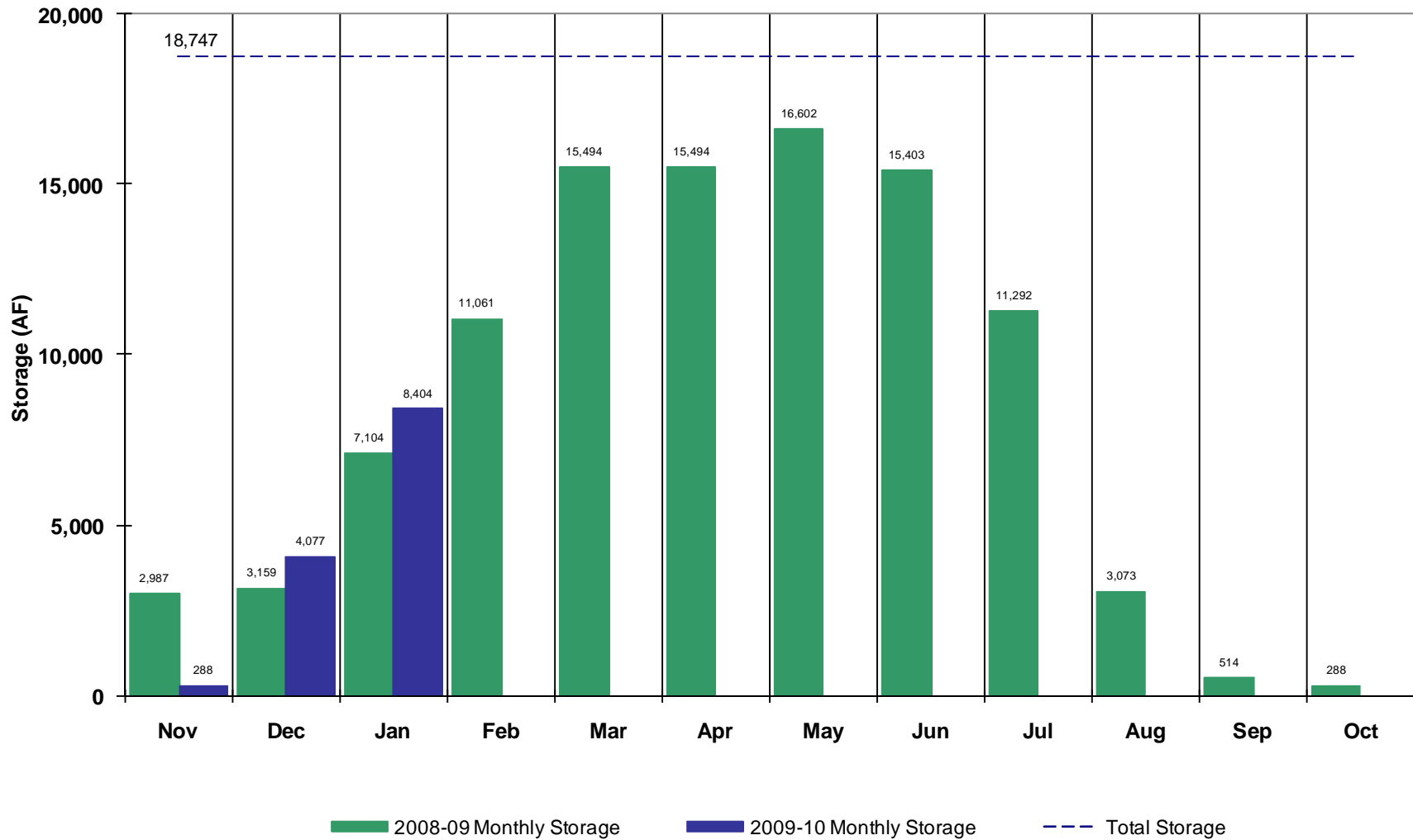


# Prospect Reservoir (District 1- Agricultural)

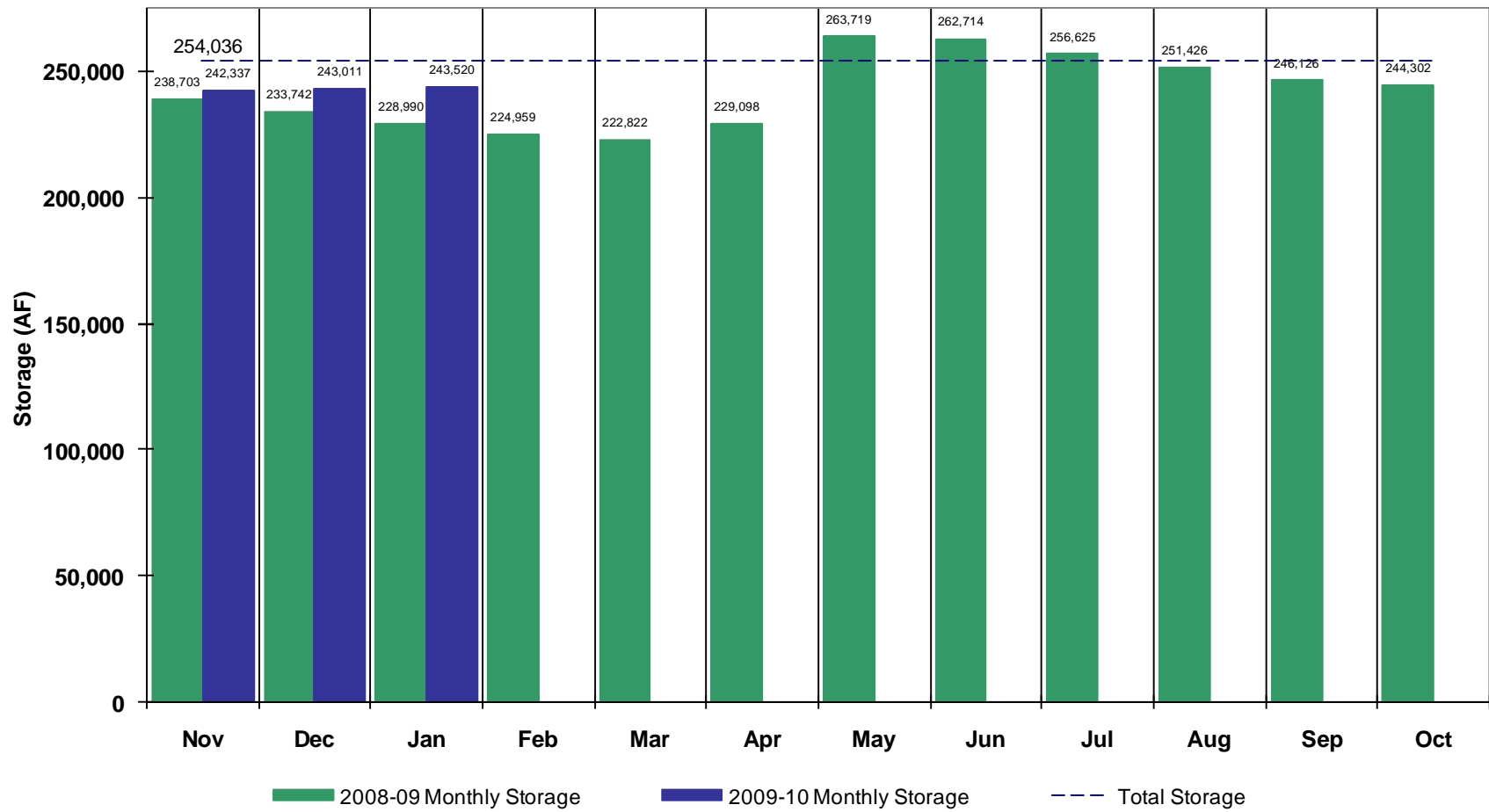


# Horse Creek Reservoir

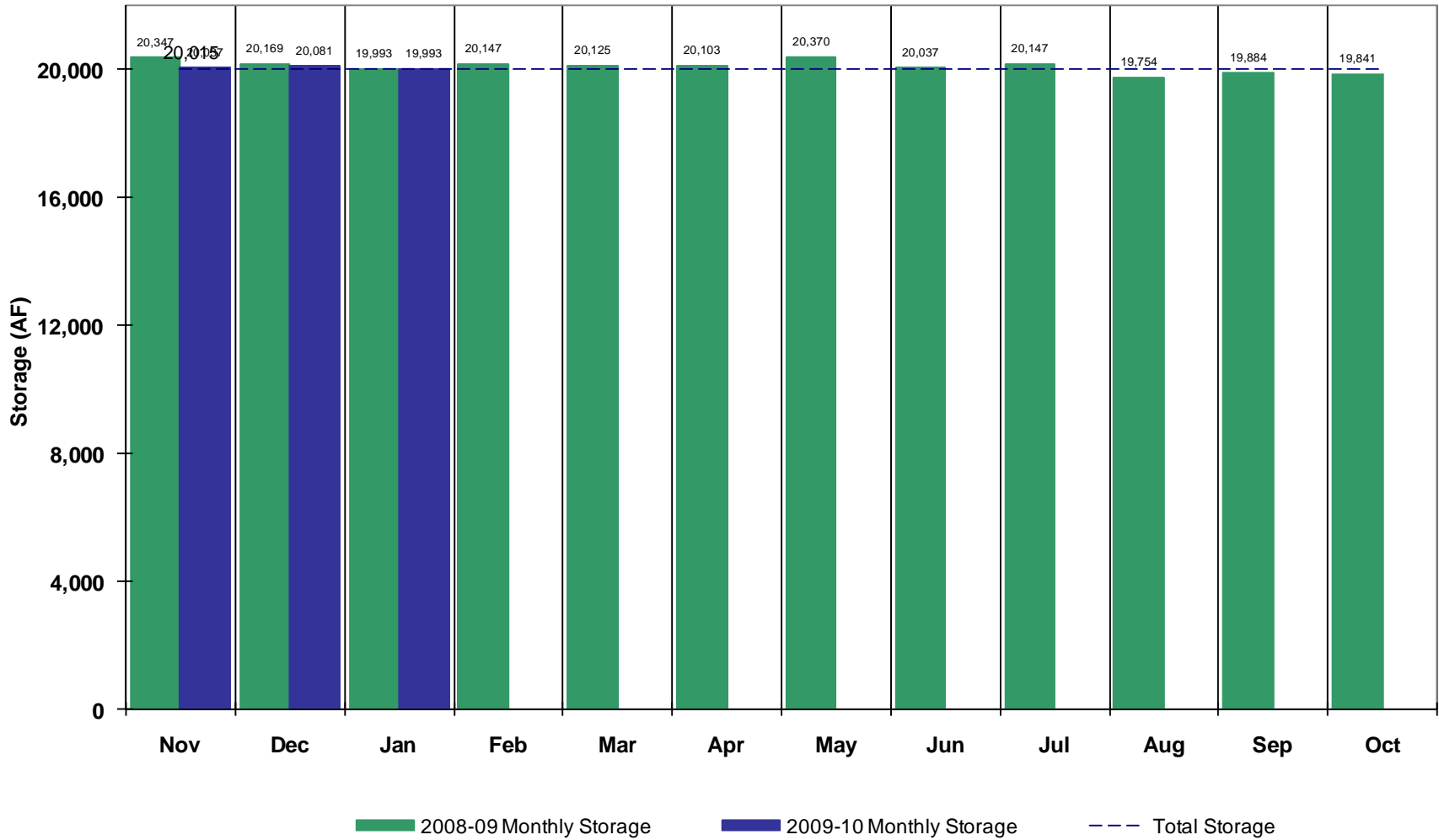
(District 1 - Agricultural)



# Dillon Reservoir (Municipal)

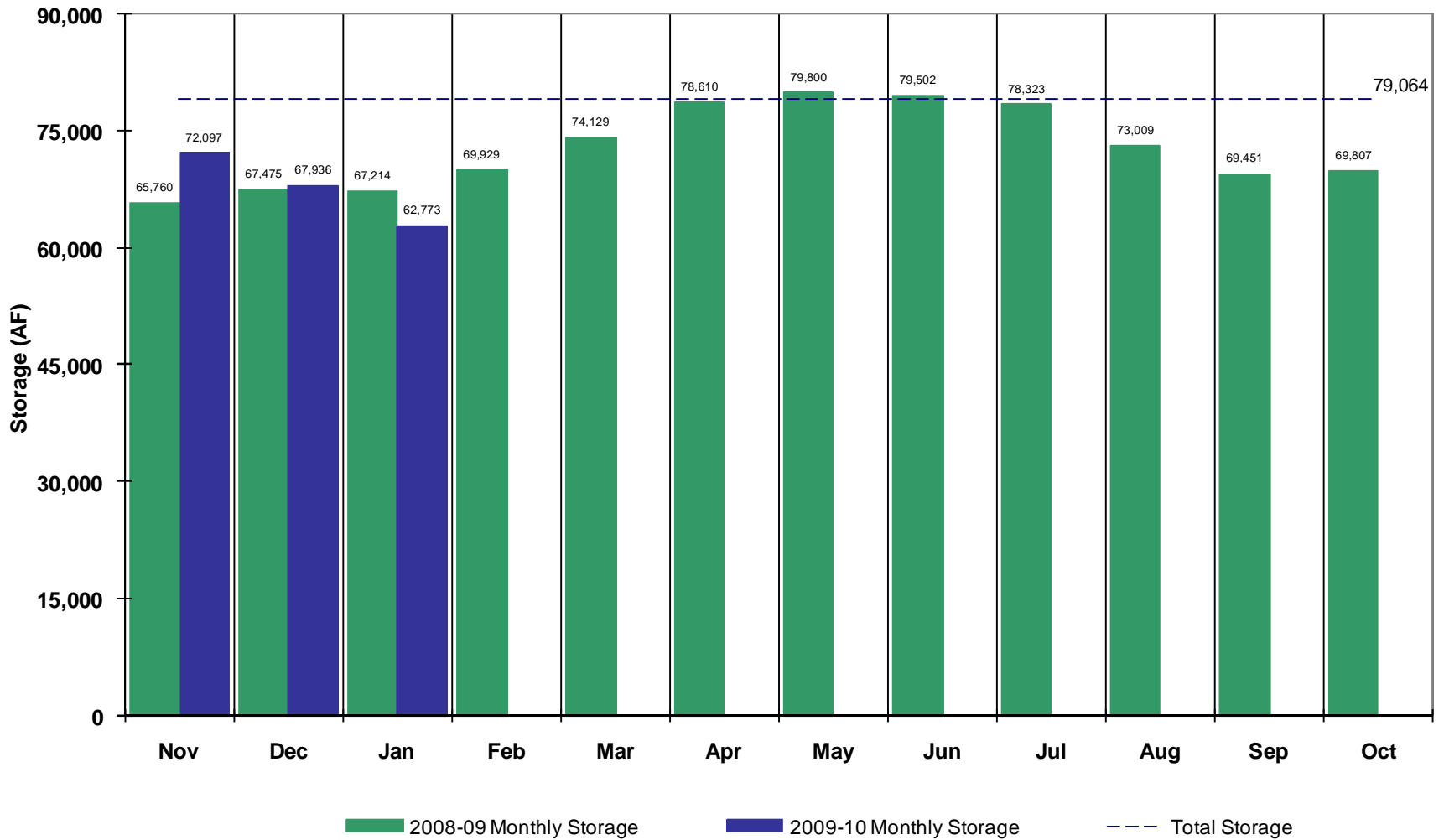


# Antero Reservoir (District 23 - Municipal)



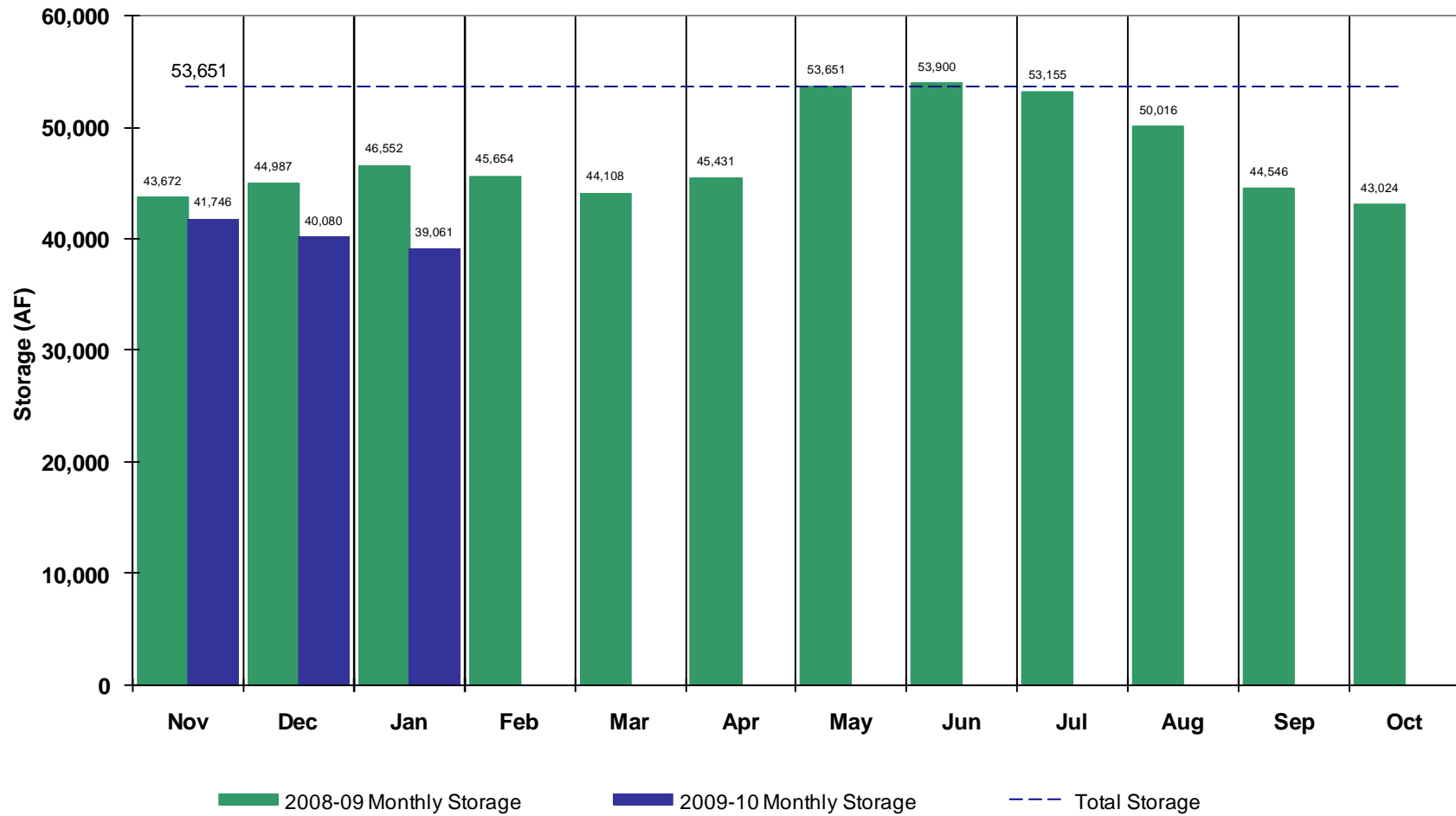
# Cheesman Reservoir

(District 80 - Municipal)



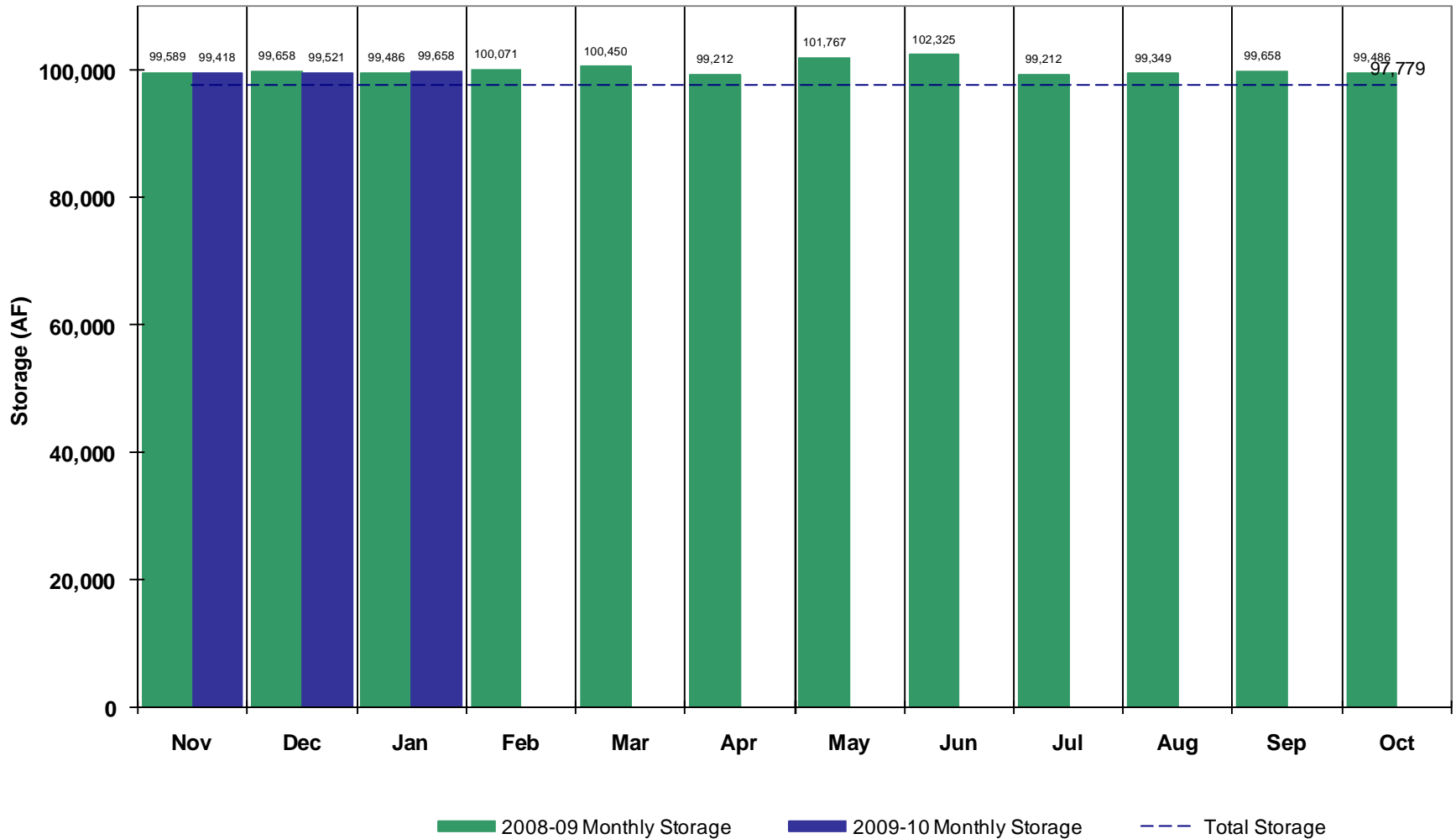
# Spinney Mountain Reservoir

(District 23 - Municipal)

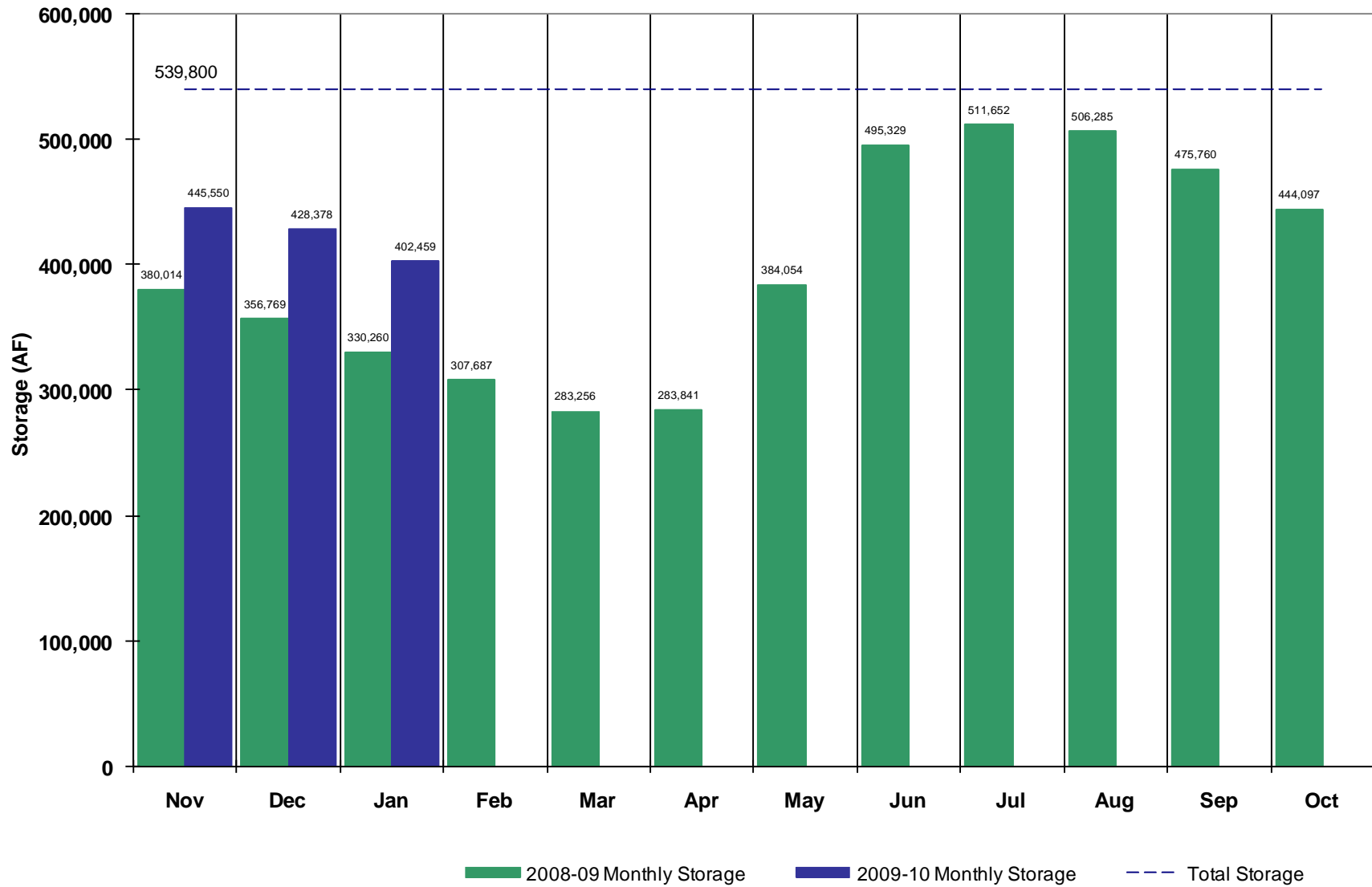


# Eleven Mile Reservoir

## (District 23 - Municipal)



# Lake Granby





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



**South Platte River just east of Sterling  
(Photo by Shanna Sandridge)**