

# South Platte Summary

May 2008



Compiled by Jana Ash



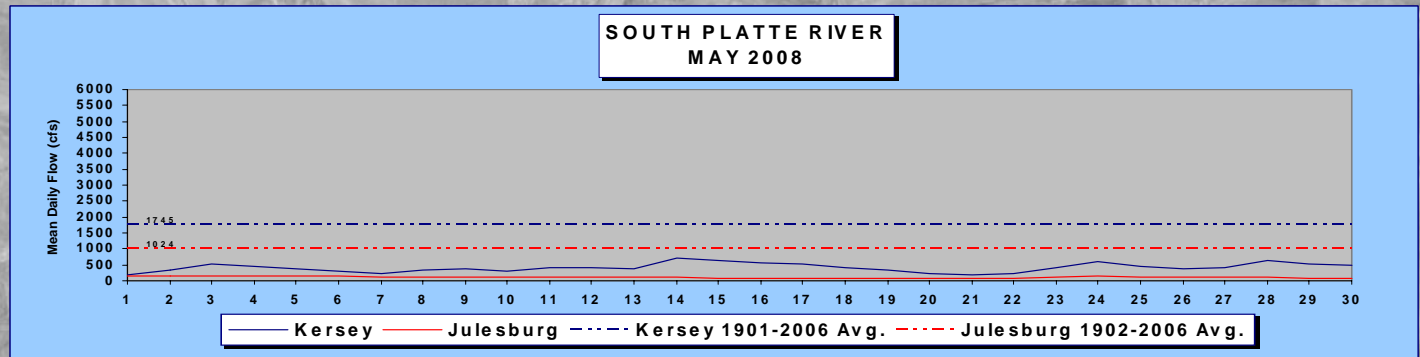
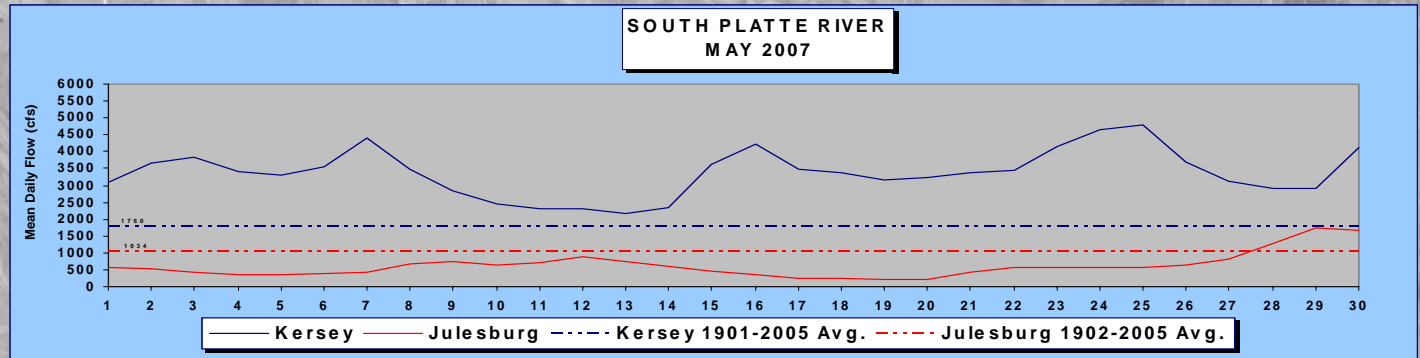
Slater Ditch Headgate on Tarryall Creek  
(Photo by Garver Brown)

# COLORADO DIVISION OF WATER RESOURCES, DIVISION 1

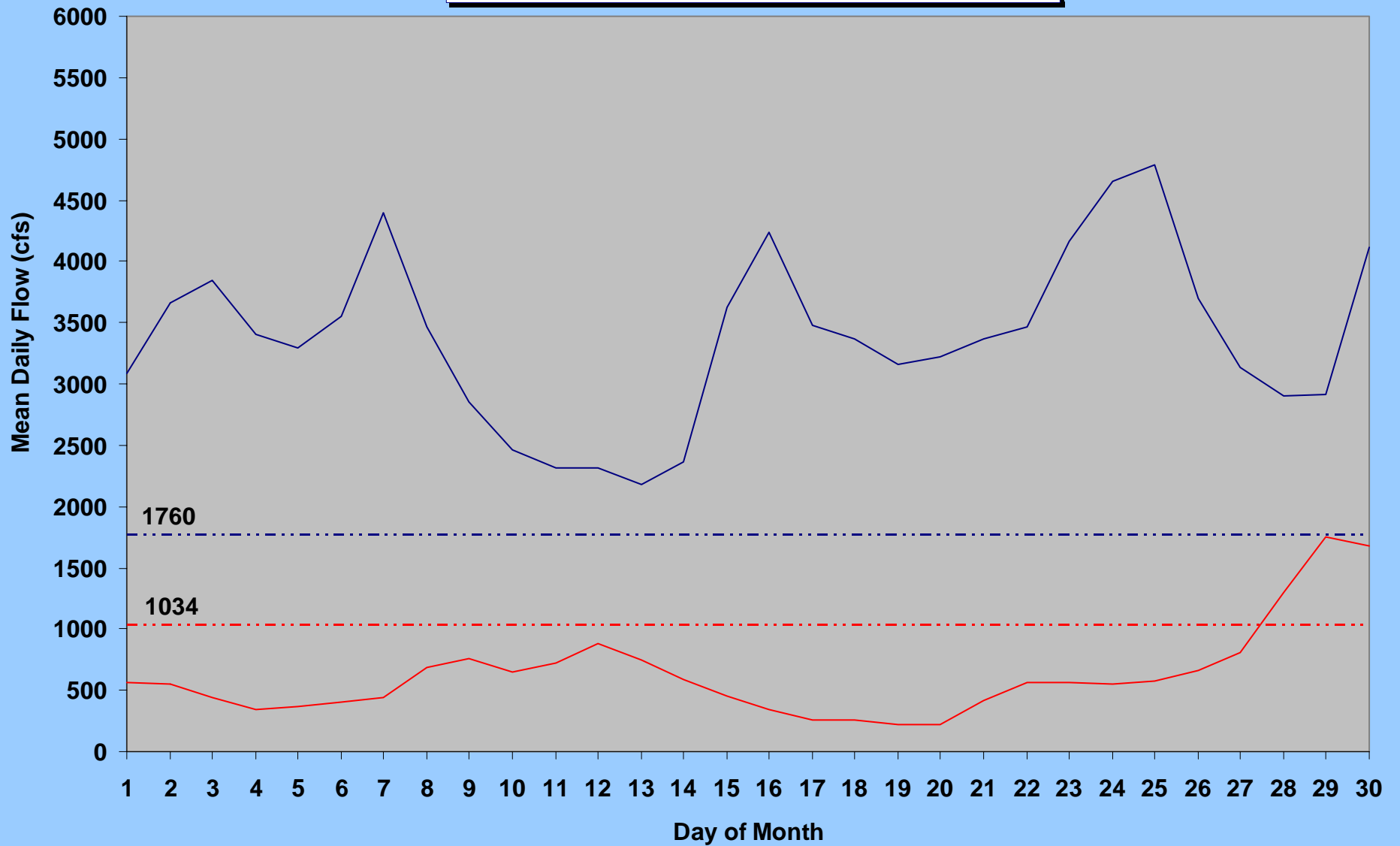
## MONTH OF MAY 2008

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	22,448	20,788	64	-1,660	-7%	92%	100%	0
N STERLING	73,730	73,011	59,720	64	-13,291	-18%	81%	100%	0
PREWITT	28,500	26,992	23,460	64	-3,532	-13%	82%	100%	0
JACKSON	27,257	26,547	25,213	1	-1,334	-5%	93%	100%	0
EMPIRE	37,700	33,135	26,845	1	-6,290	-19%	71%	100%	0
RIVERSIDE	63,113	57,525	46,738	1	-10,787	-19%	74%	97%	0
BARR LAKE	31,652	27,835	27,472	2	-363	-1%	87%	92%	0
CHEESMAN	79,064	76,907	69,153	80	-7,754	-10%	87%	100%	0
ELEVEN MILE	97,779	99,968	99,383	23	-585	-1%	100%	100%	1,604
SPINNEY	53,651	41,326	43,672	23	2,346	6%	81%	97%	0
ANTERO	20,015	19,819	20,125	23	306	2%	100%	100%	110

RIVER GAGES	MEAN DAILY FLOW (CFS)
<b>KERSEY</b>	<b>408</b>
<b>JULESBURG</b>	<b>110</b>
<b>THIS MONTH LAST YEAR</b>	
<b>KERSEY</b>	<b>3391</b>
<b>JULESBURG</b>	<b>653</b>
<b>MEAN FOR PERIOD OF RECORD*</b>	
<b>KERSEY</b>	<b>1745</b>
<b>JULESBURG</b>	<b>1024</b>
* 1901-2006	
1902-2006	

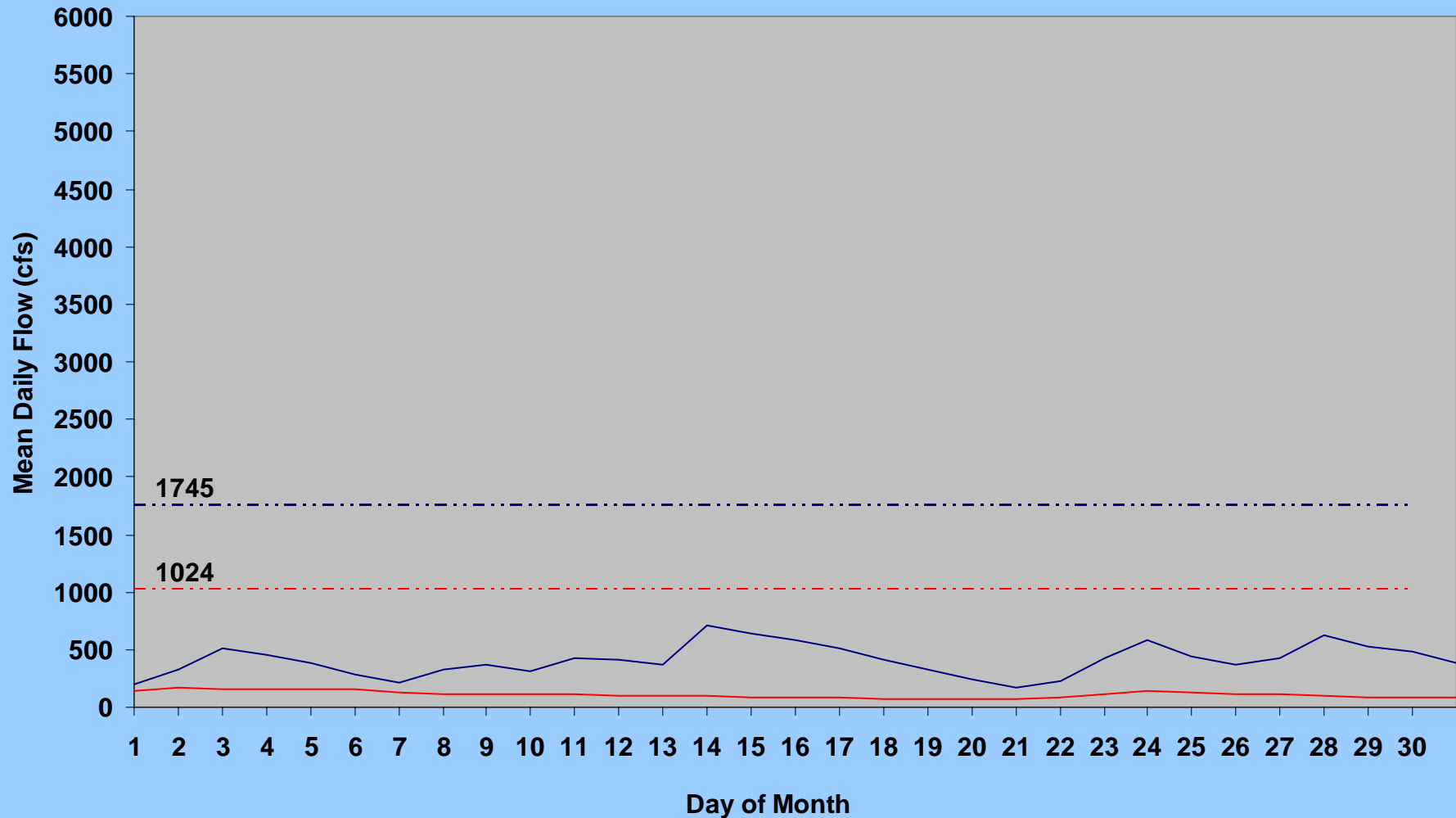


# SOUTH PLATTE RIVER MAY 2007



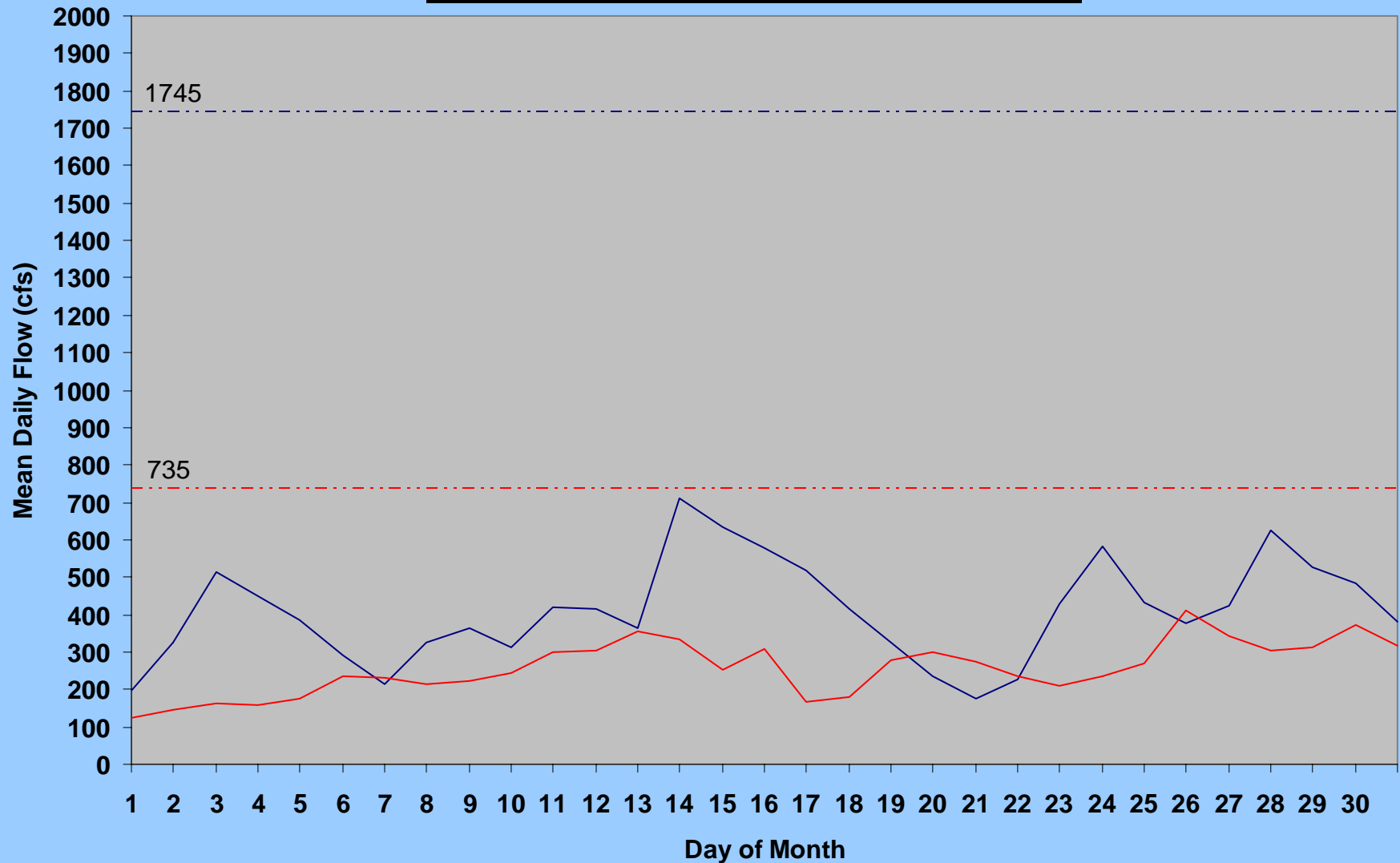
— Kersey — Julesburg - - - Kersey 1901-2005 Avg. - - - Julesburg 1902-2005 Avg.

# SOUTH PLATTE RIVER MAY 2008



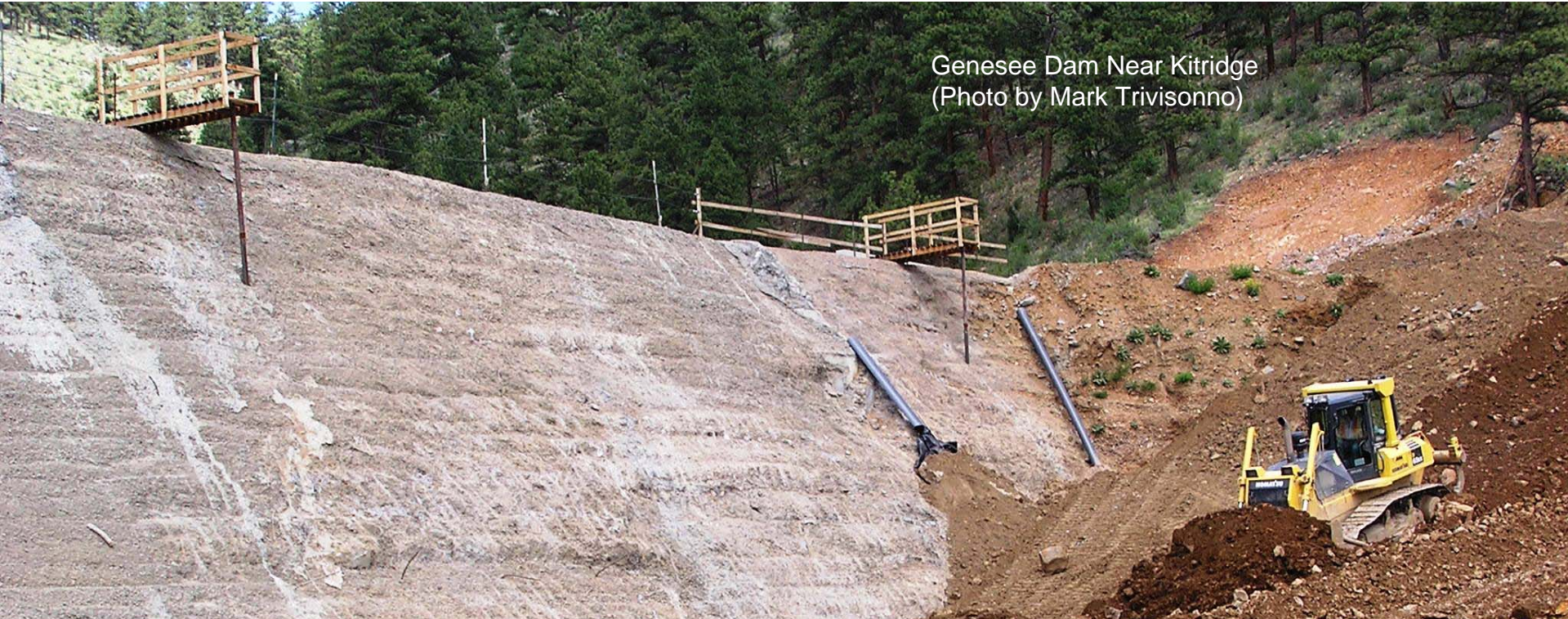
— Kersey — Julesburg - - - Kersey 1901-2006 Avg. - - - Julesburg 1902-2006 Avg.

# KERSEY and BALZAC MAY 2008



— Kersey — Balzac - - - Kersey 1901-2005 Avg. - - - Balzac 1917-2005 Avg.

Genesee Dam Near Kitridge  
(Photo by Mark Trivisonno)



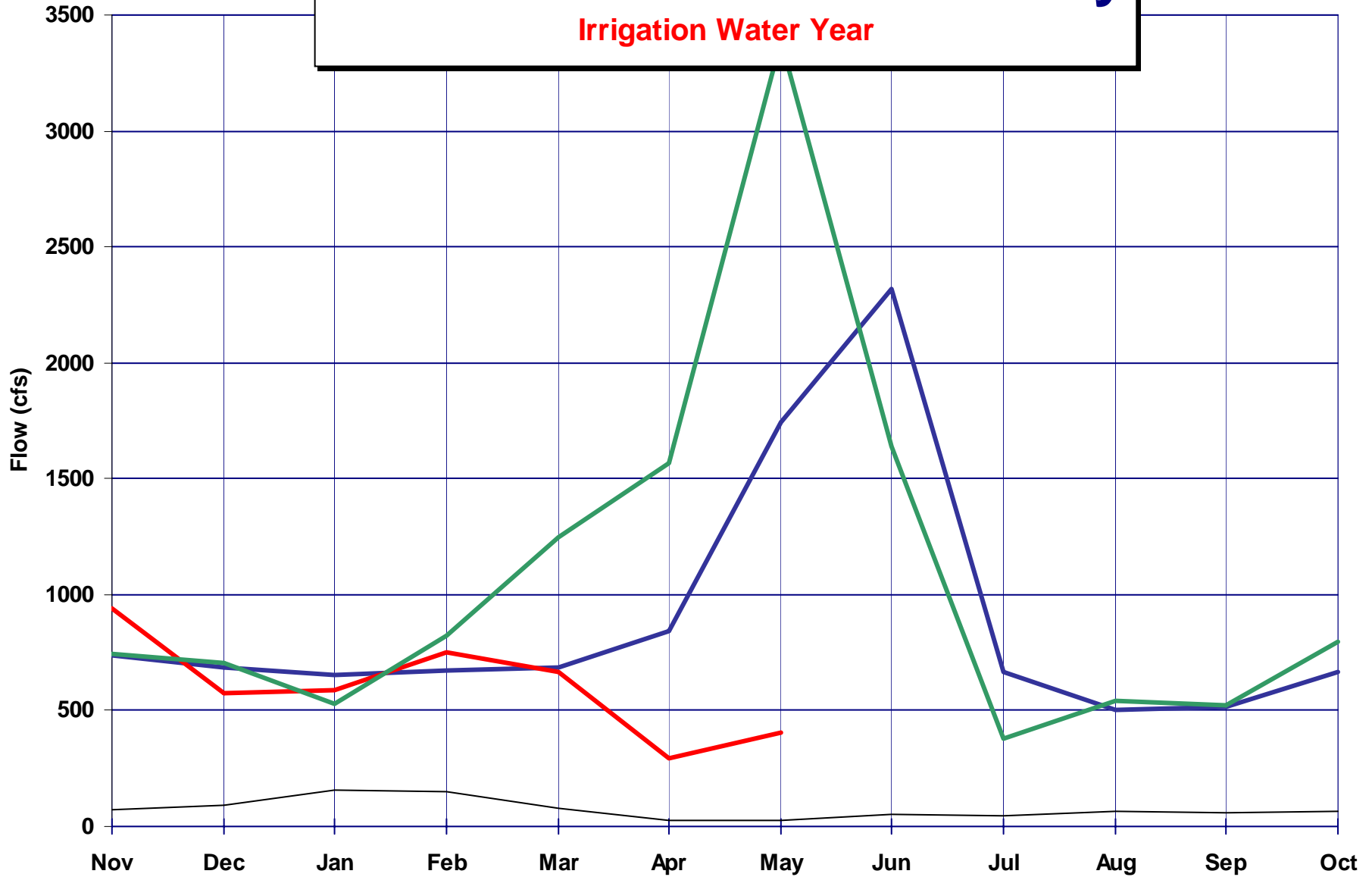
<b>South Platte River Monthly Stream Flow (cfs) Statistics</b>													
<b>South Platte River at Kersey</b>							<b>South Platte River at Julesburg</b>						
Month	Historic* Mean Flow	Historic* Max Flow	Year	Historic* Min Flow	Year	IY 2008 Mean Monthly Flow	Month	Historic* Mean Flow	Historic* Max Flow	Year	Historic* Min Flow	Year	IY 2008 Mean Monthly Flow
Nov	737	3650	1984	70	1934	938	Nov	344	2900	1984	4.2	1903	71
Dec	683	1890	1961	91	1934	574	Dec	405	1820	1984	13	2002	155
Jan	654	2160	1974	158	1935	589	Jan	517	2510	1970	21	2003	323
Feb	672	3060	1914	152	1935	751	Feb	593	3220	1930	29	2005	320
Mar	684	3470	1983	80	1935	663	Mar	535	12900	1910	15	1904	100
Apr	843	18100	1942	28	1955	294	Apr	532	14400	1942	4.0	1904	152
May	1745	26100	1973	29	1955	408	May	1024	18100	1973	12	1911	110
Jun	2321	31000	1921	52	1954		Jun	1442	30800	1921	2.0	1910	
Jul	666	12600	1983	44	1955		Jul	295	12600	1983	0.0	1903	
Aug	505	9690	1951	65	1934		Aug	182	8920	1968	0.0	1903	
Sep	514	14200	1938	62	1940		Sep	241	7130	1938	2.0	1902	
Oct	664	6180	1984	66	1954		Oct	307	3130	1984	4.2	1903	

\*Period of record 1901-2006

\*Period of record 1902-2006

# South Platte River at Kersey

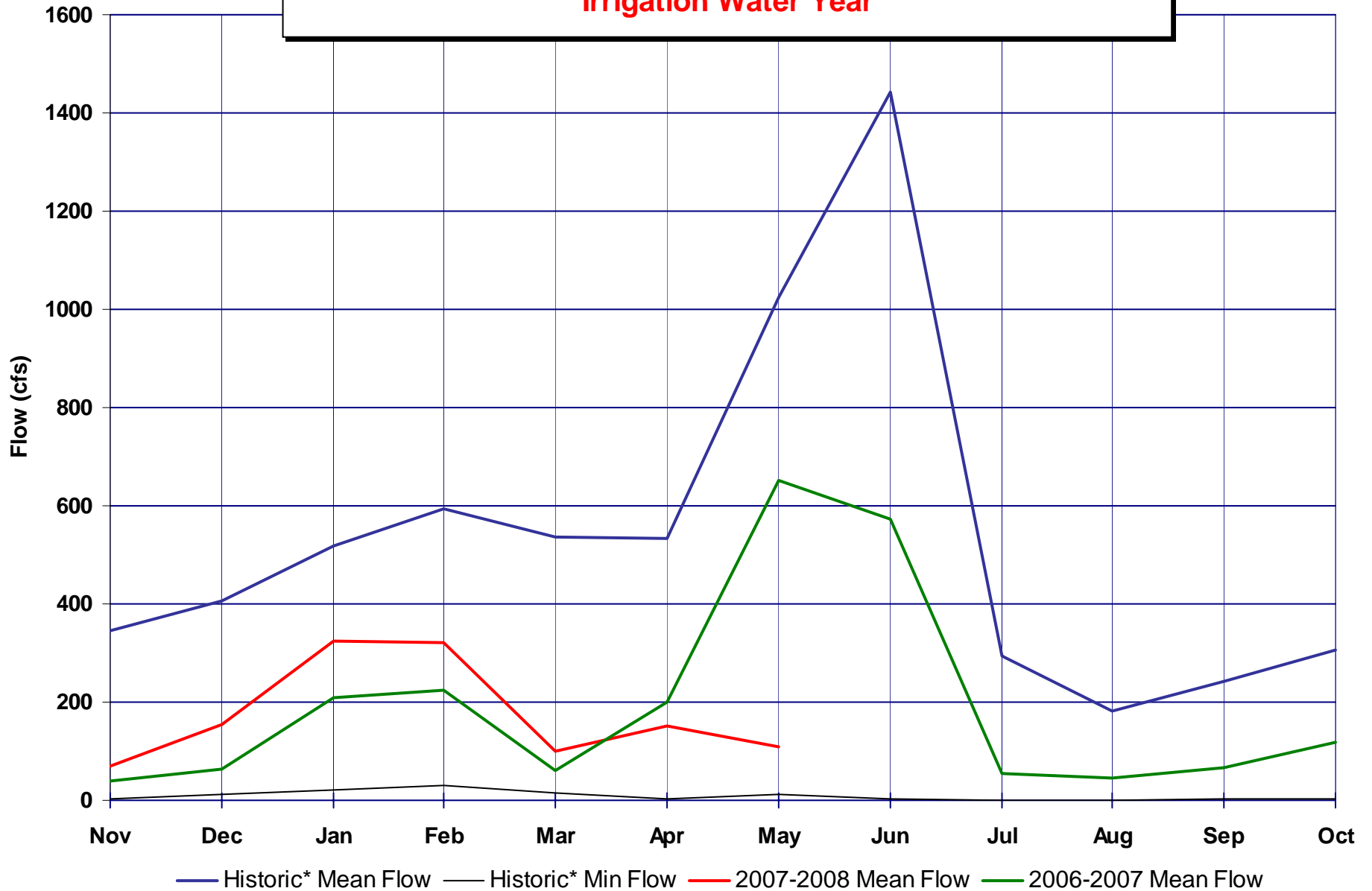
Irrigation Water Year



— Historic\* Mean Flow — Historic\* Min Flow — 2007-2008 Mean Flow — 2006-2007 Mean Flow  
\*1901-2006

# South Platte River at Julesburg

Irrigation Water Year





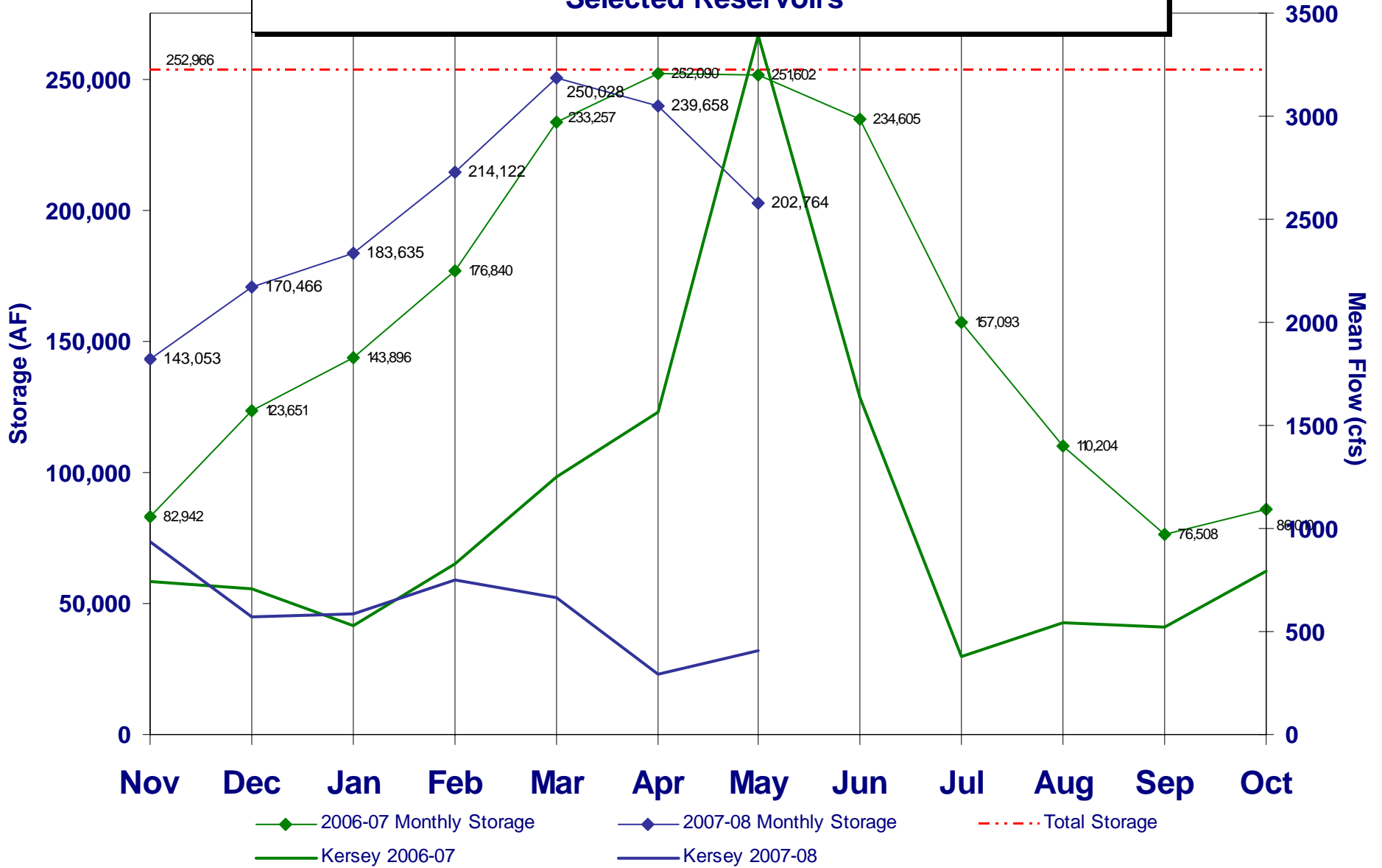
**Next four slides show Reservoir Storage  
below and above Kersey**



**Aurora Rampart Reservoir  
Dam Inspection  
(Photo by Mark Trivisonno)**

# Reservoir Storage below Kersey

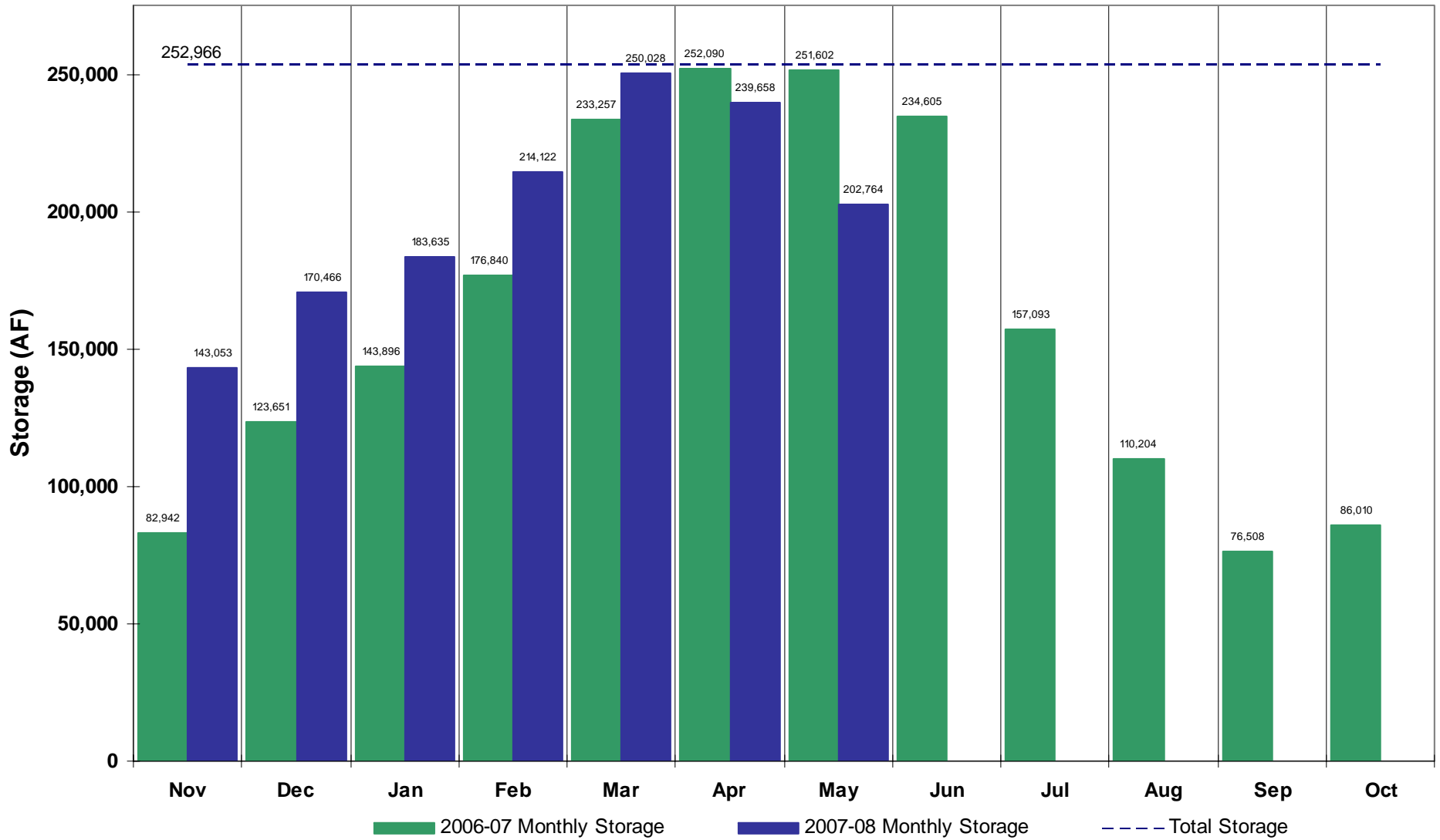
Selected Reservoirs\*



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

# South Platte Reservoirs

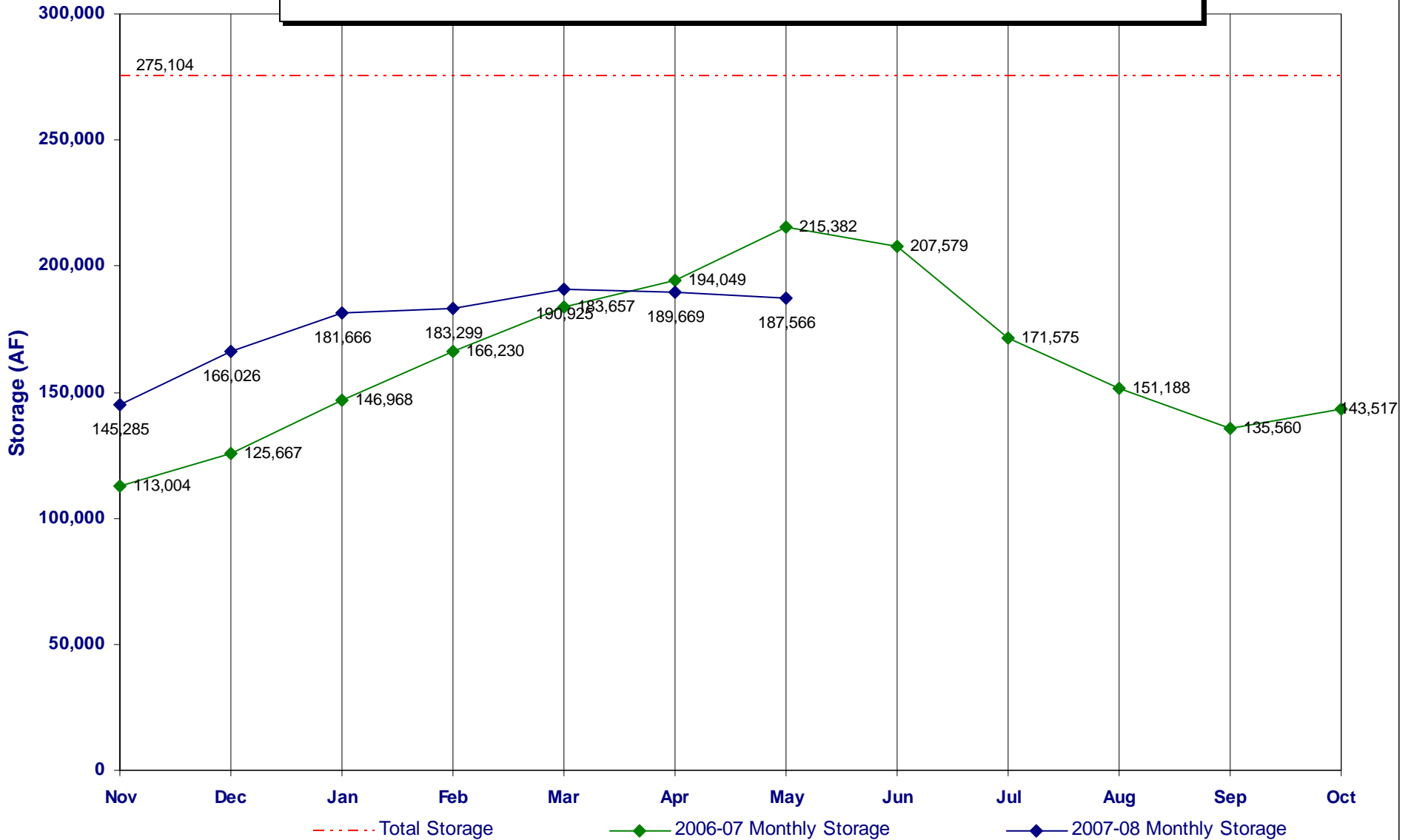
## Storage below Kersey\*



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

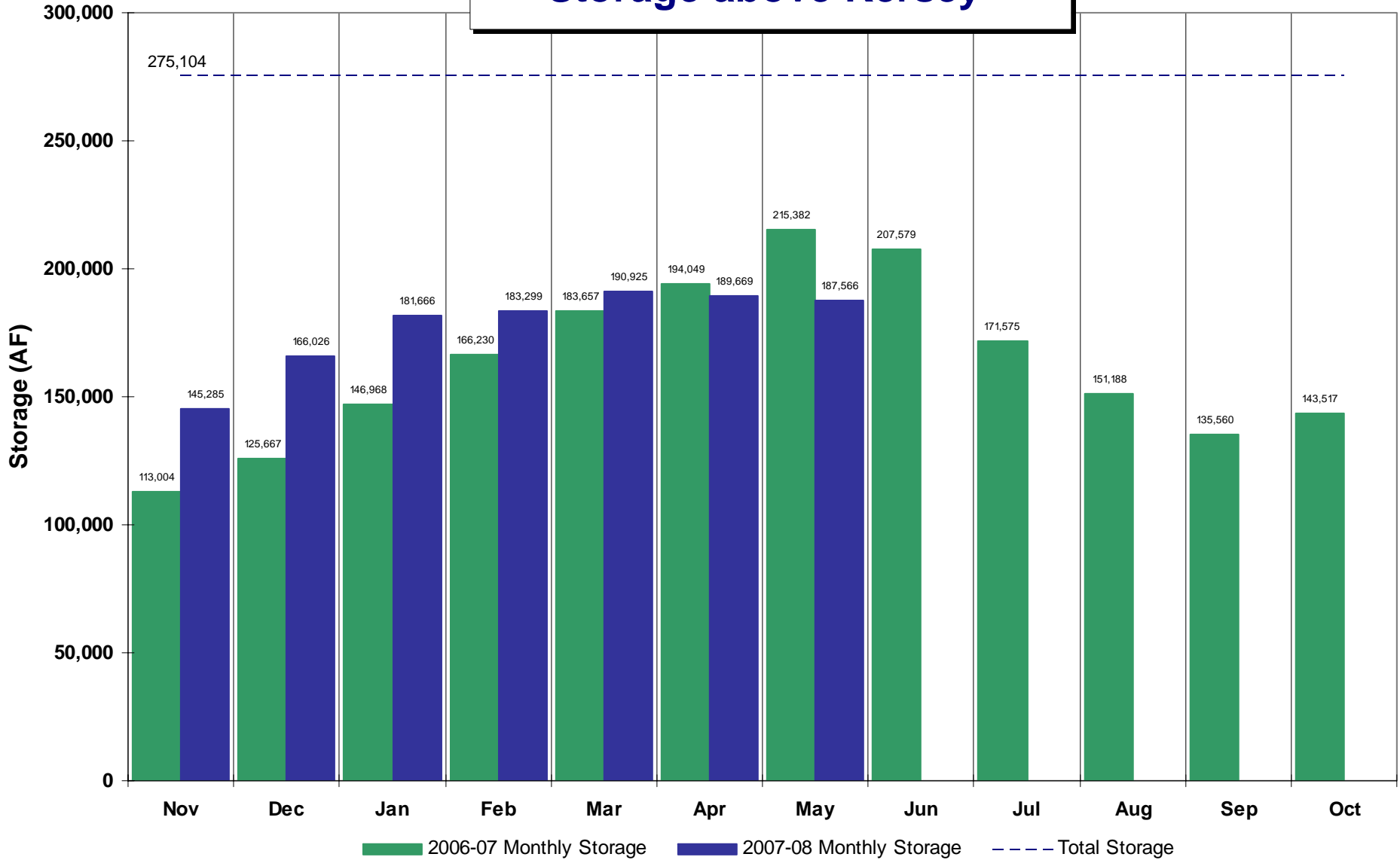
# Reservoir Storage above Kersey

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

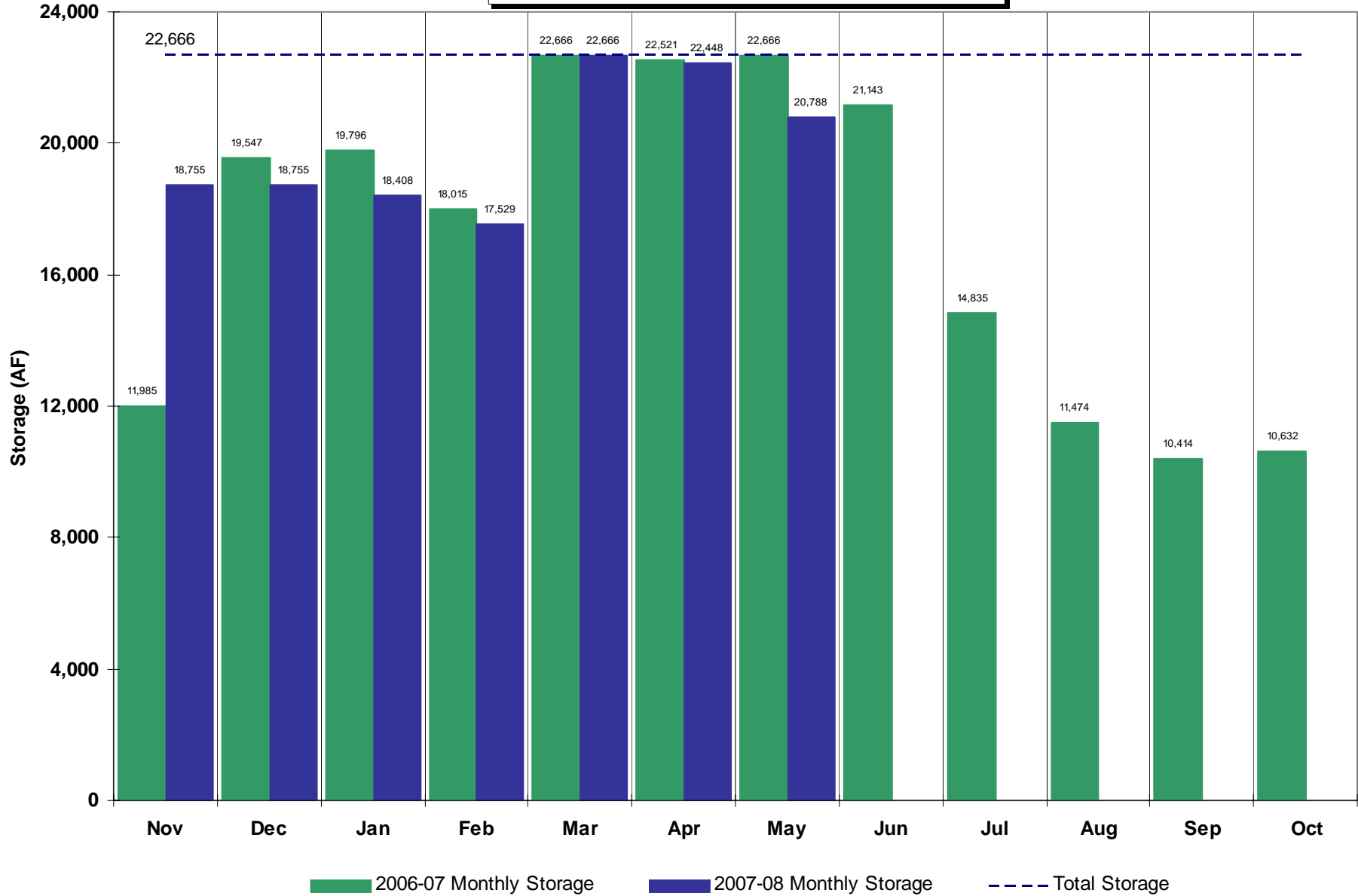
# Individual Reservoir Storage Follows



**Geese crossing Plum Creek  
(Photo by Mark Trivisonno)**

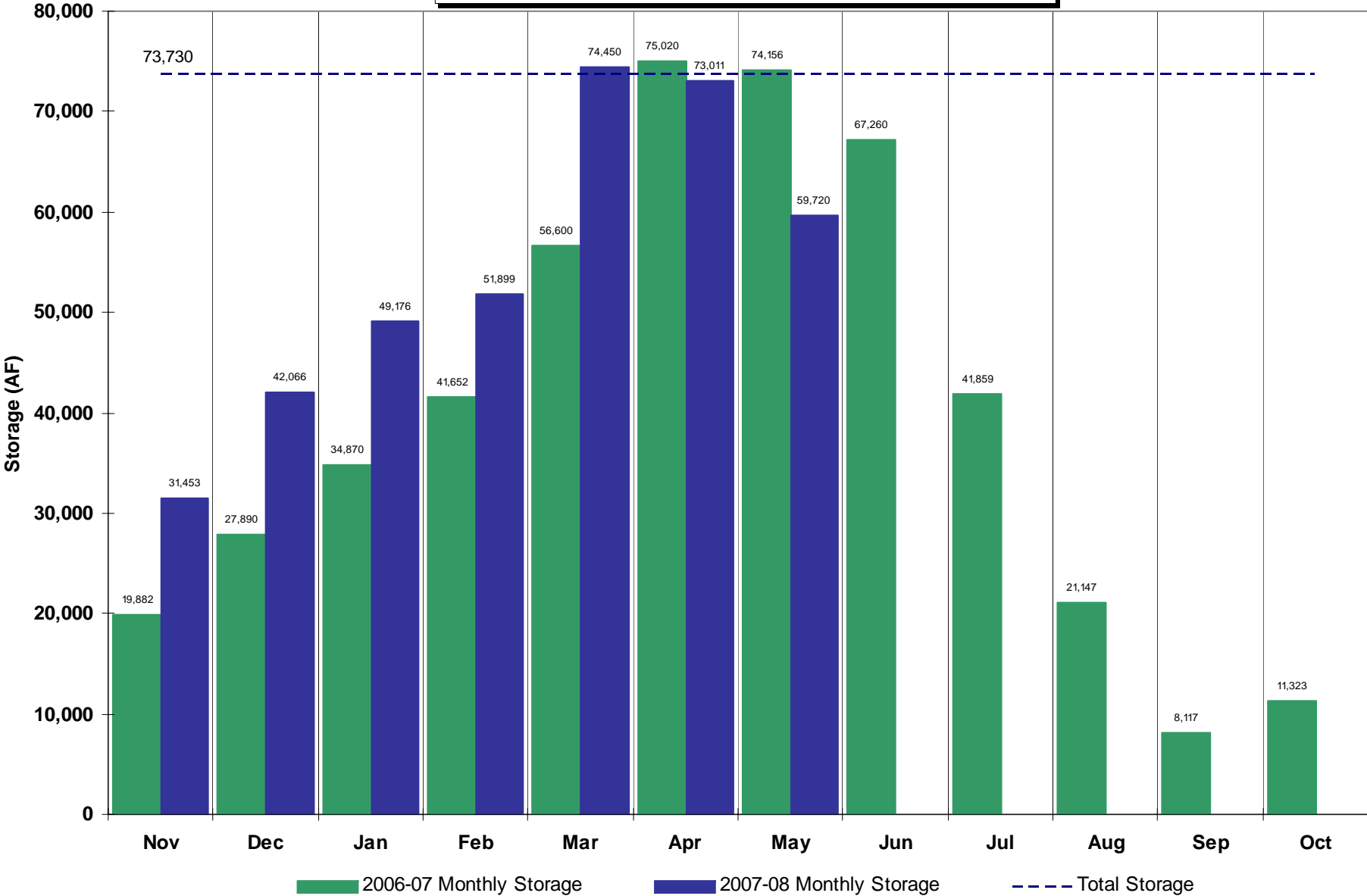
# Julesburg Reservoir

## (District 64 - Agricultural)



# North Sterling Reservoir

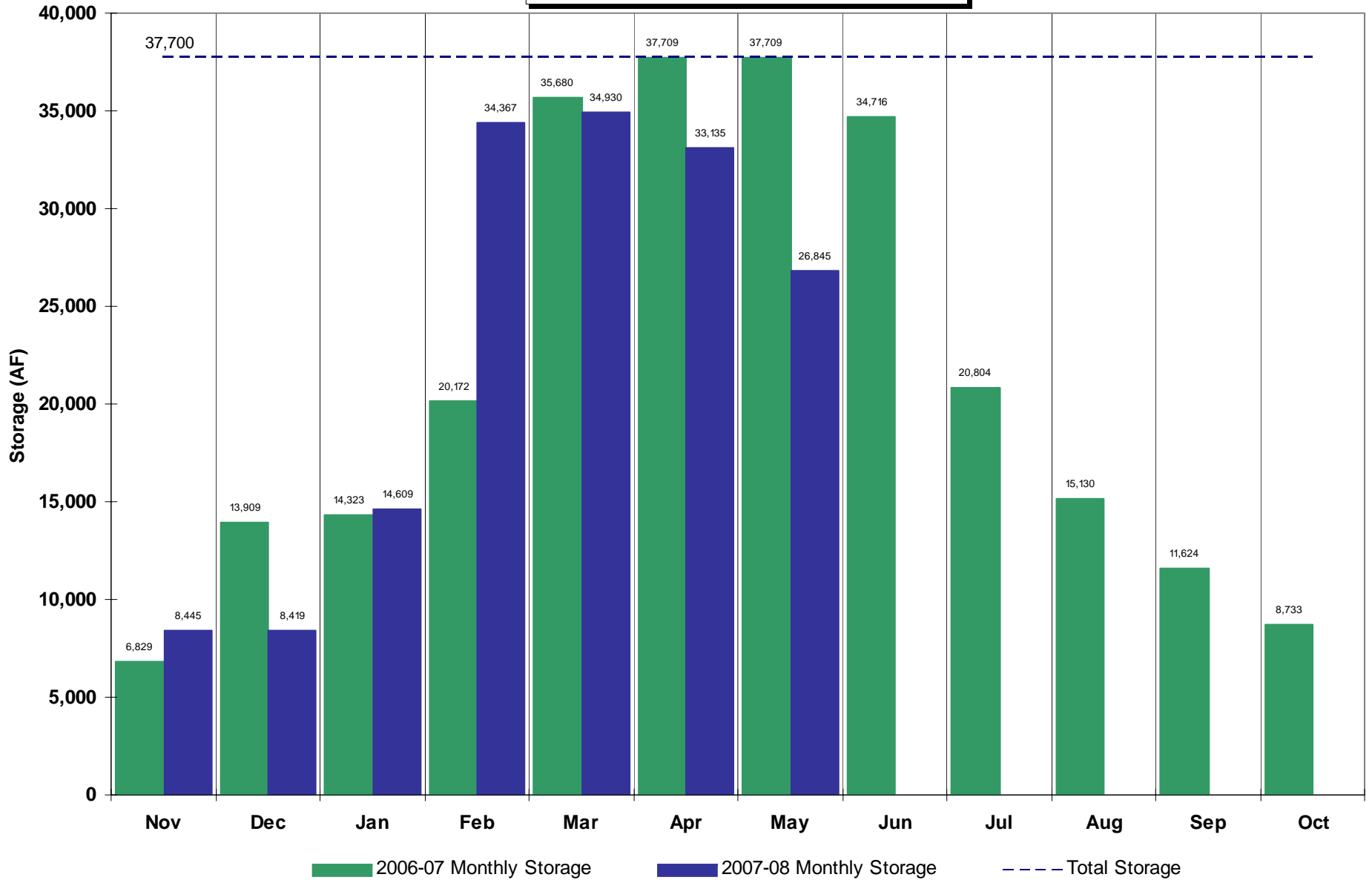
(District 64- Agricultural)





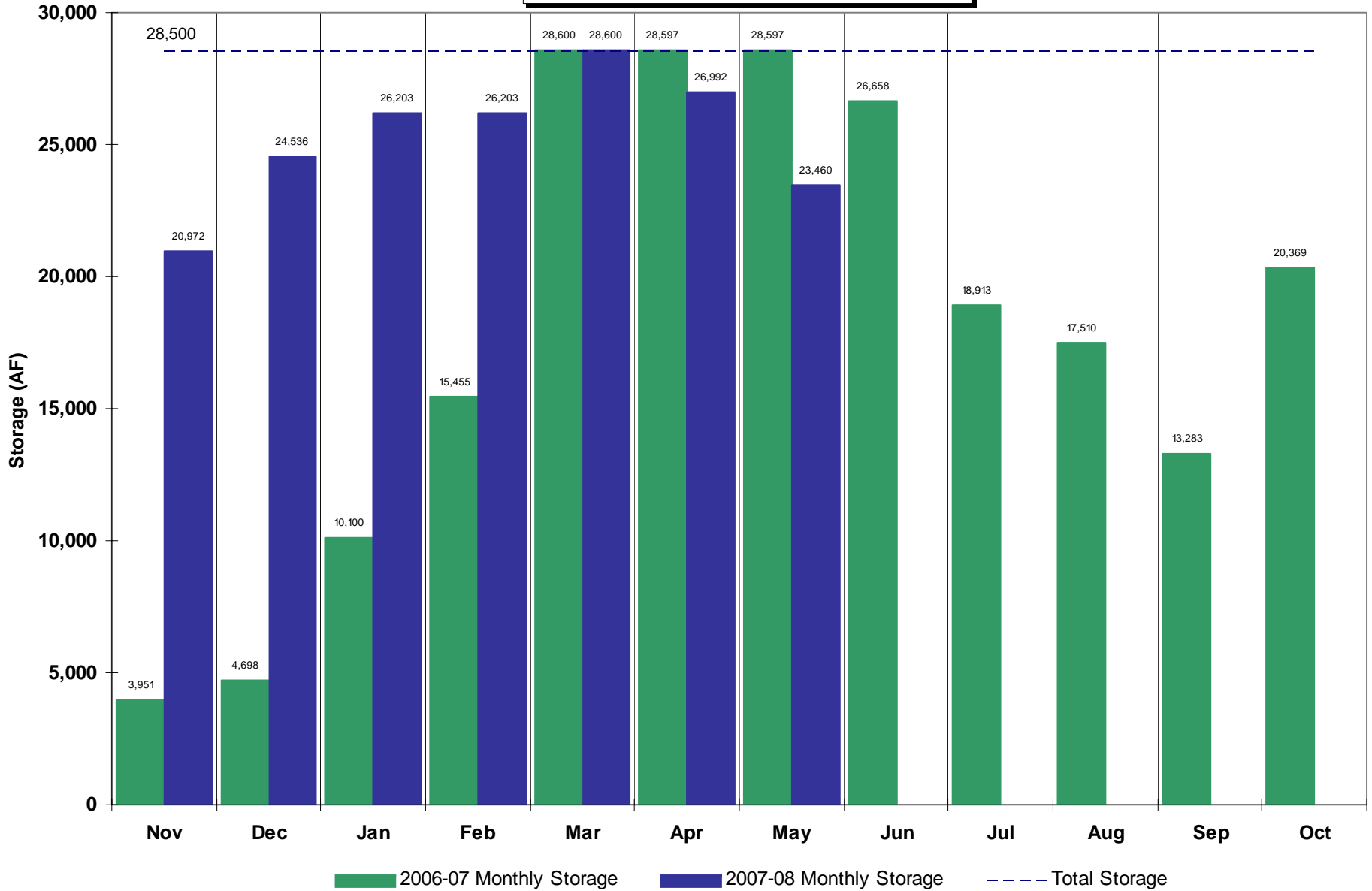
# Empire Reservoir

(District 1- Agricultural)



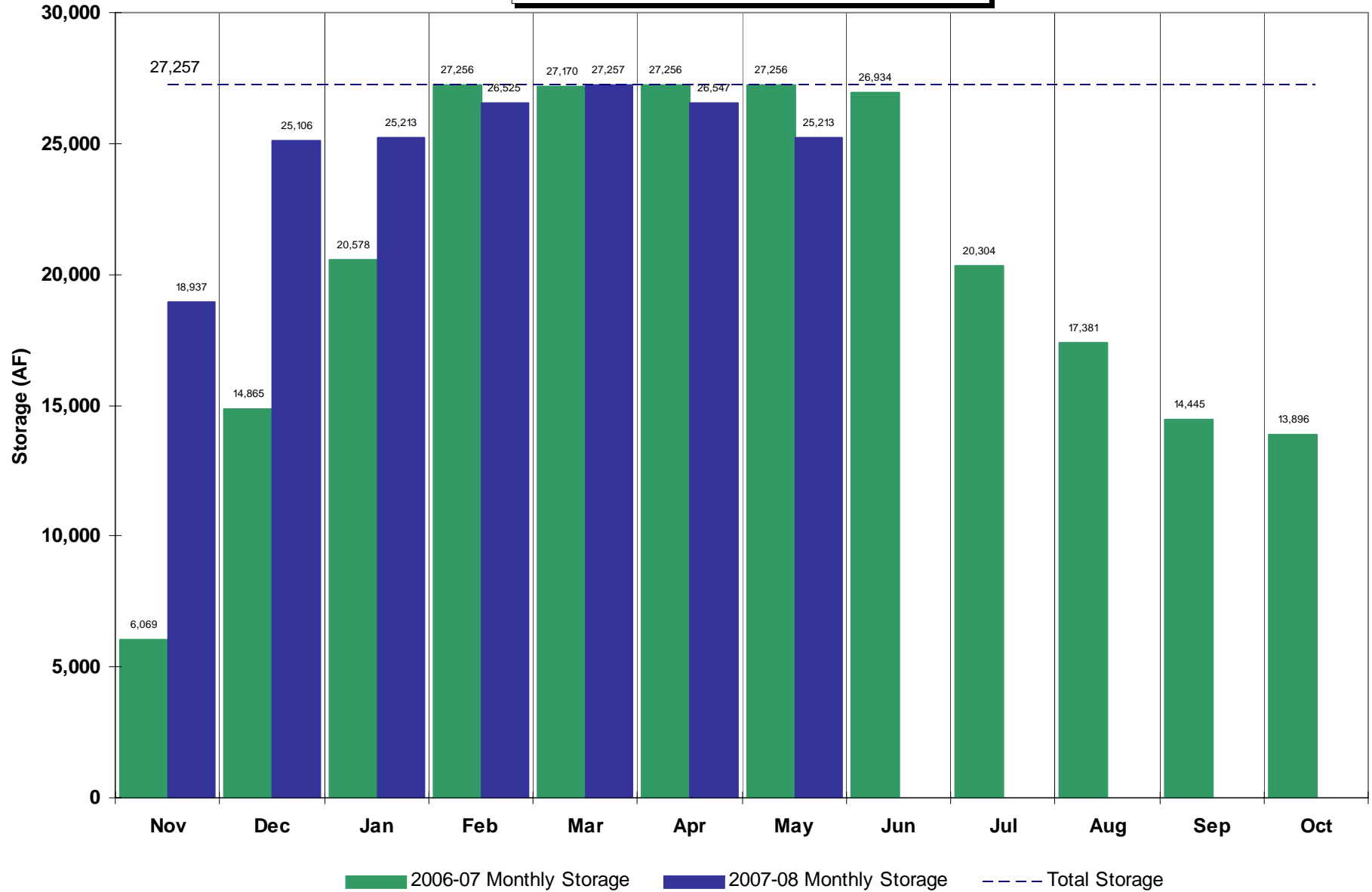
# Prewitt Reservoir

## (District 64- Agricultural)



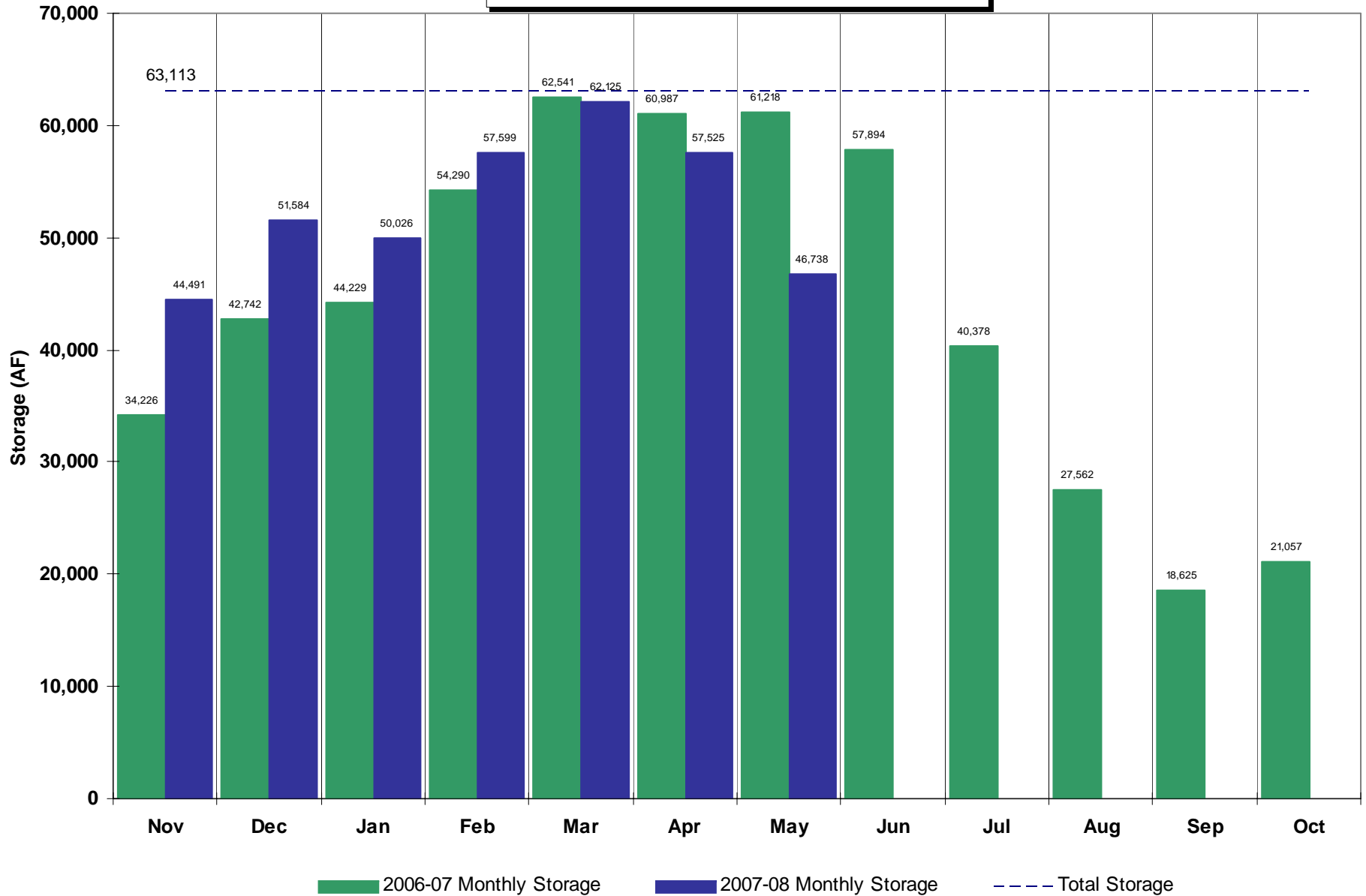
# Jackson Reservoir

## (District 1- Agricultural)



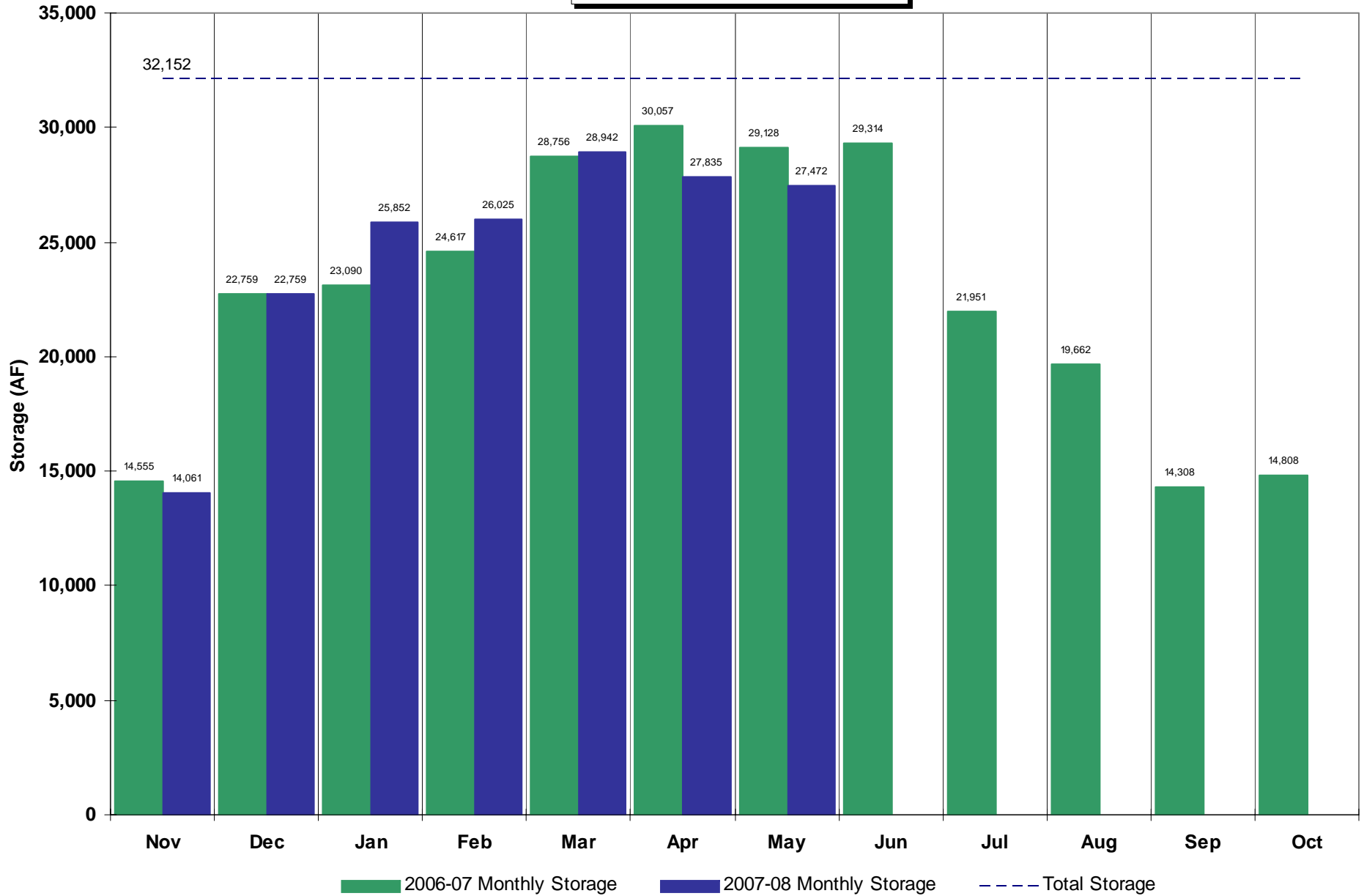
# Riverside Reservoir

(District 1 - Agricultural)



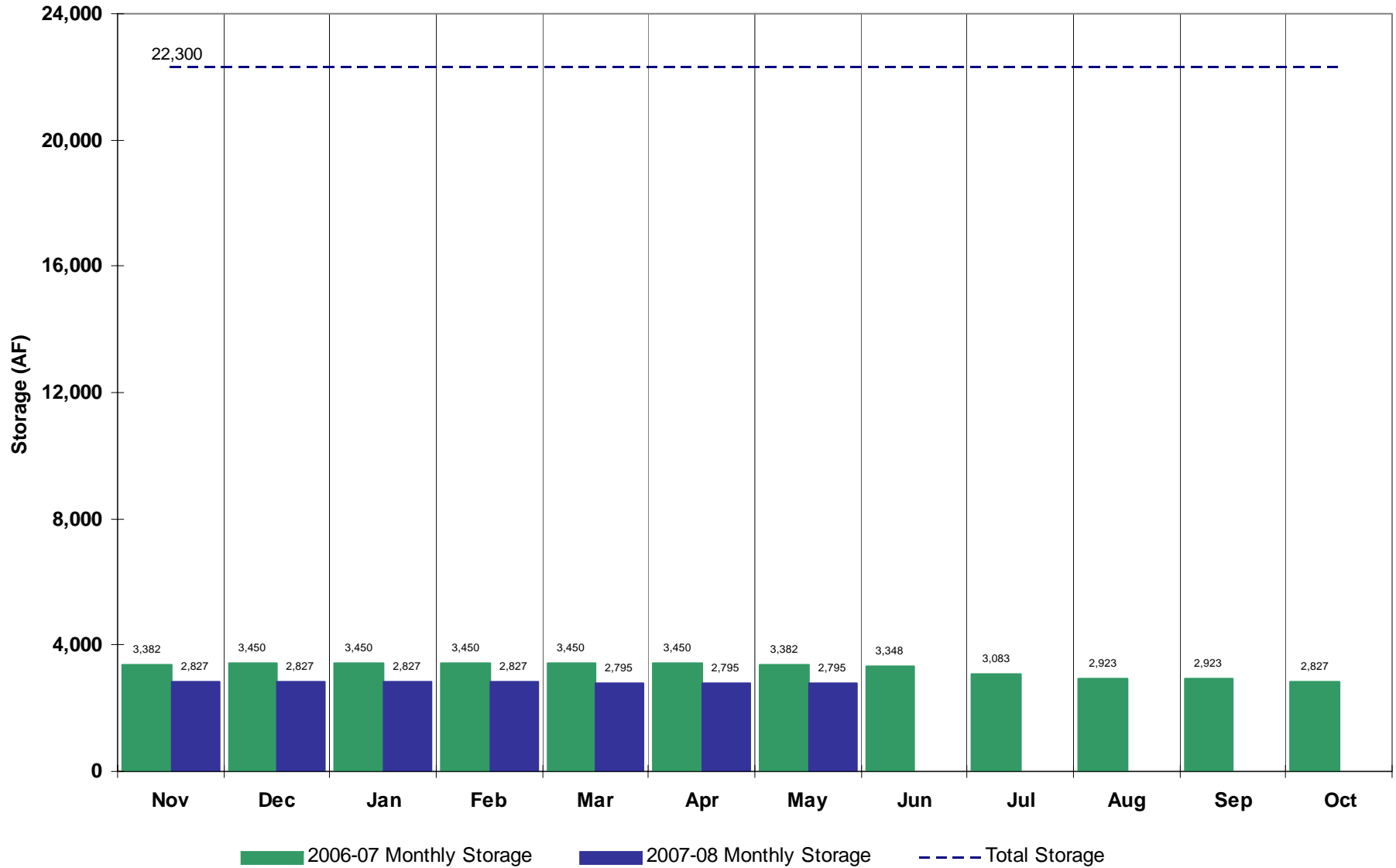
# Barr Lake

(District 2 - Agricultural)



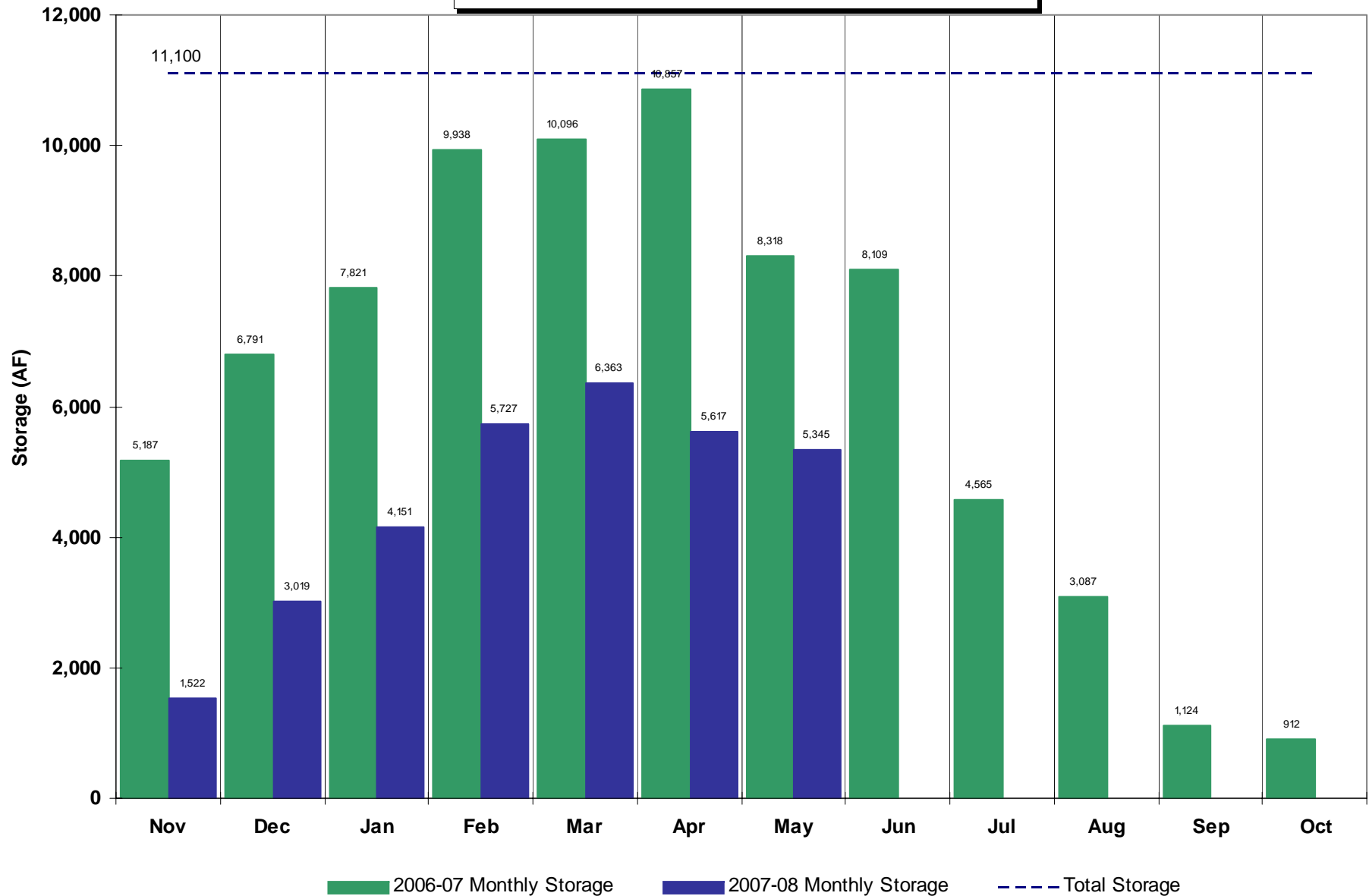
# Cobb Lake

(District 3, Poudre River - Agricultural)



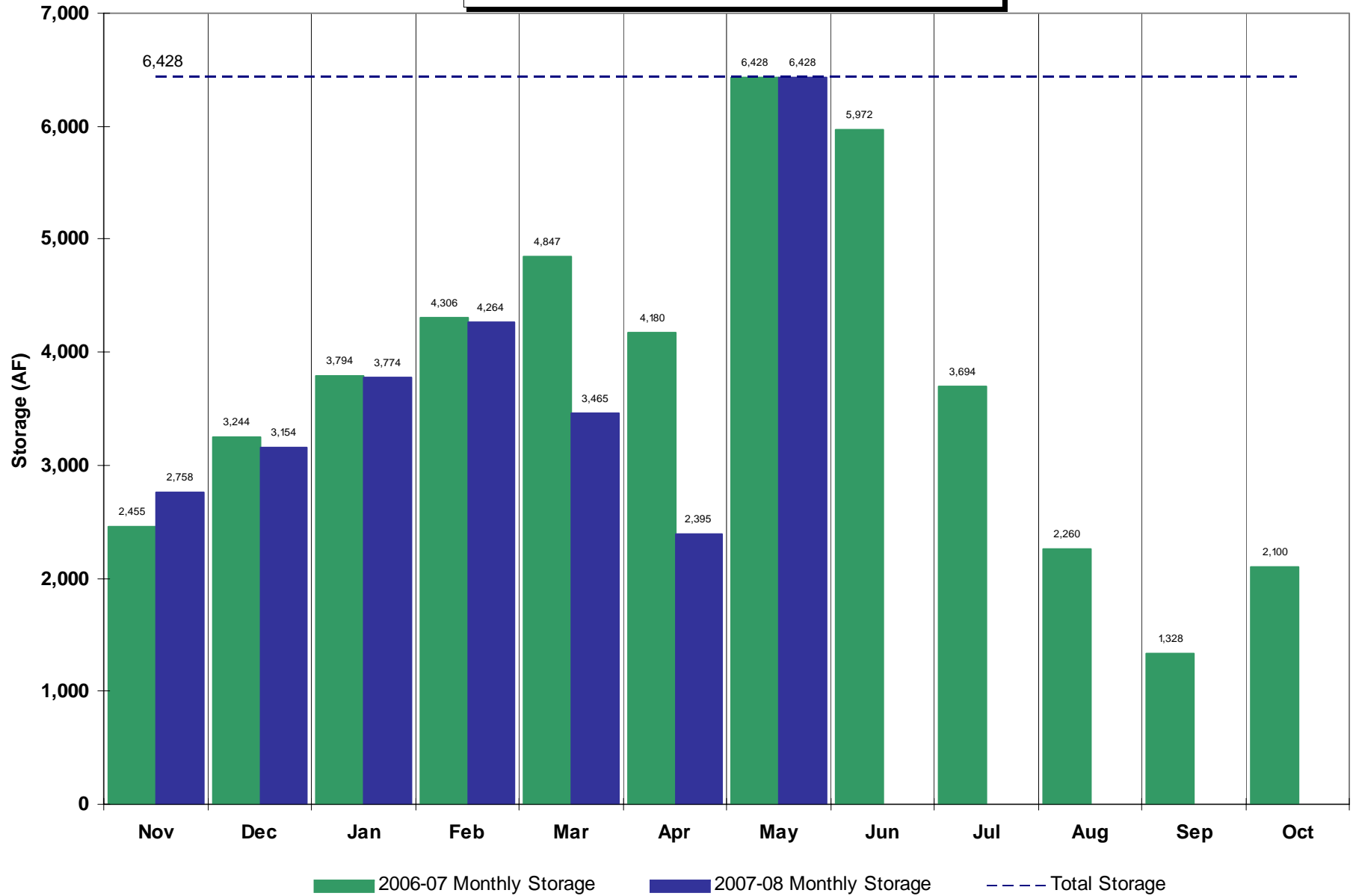
# Fossil Creek Reservoir

(District 3, Poudre River - Agricultural)



# Halligan Reservoir

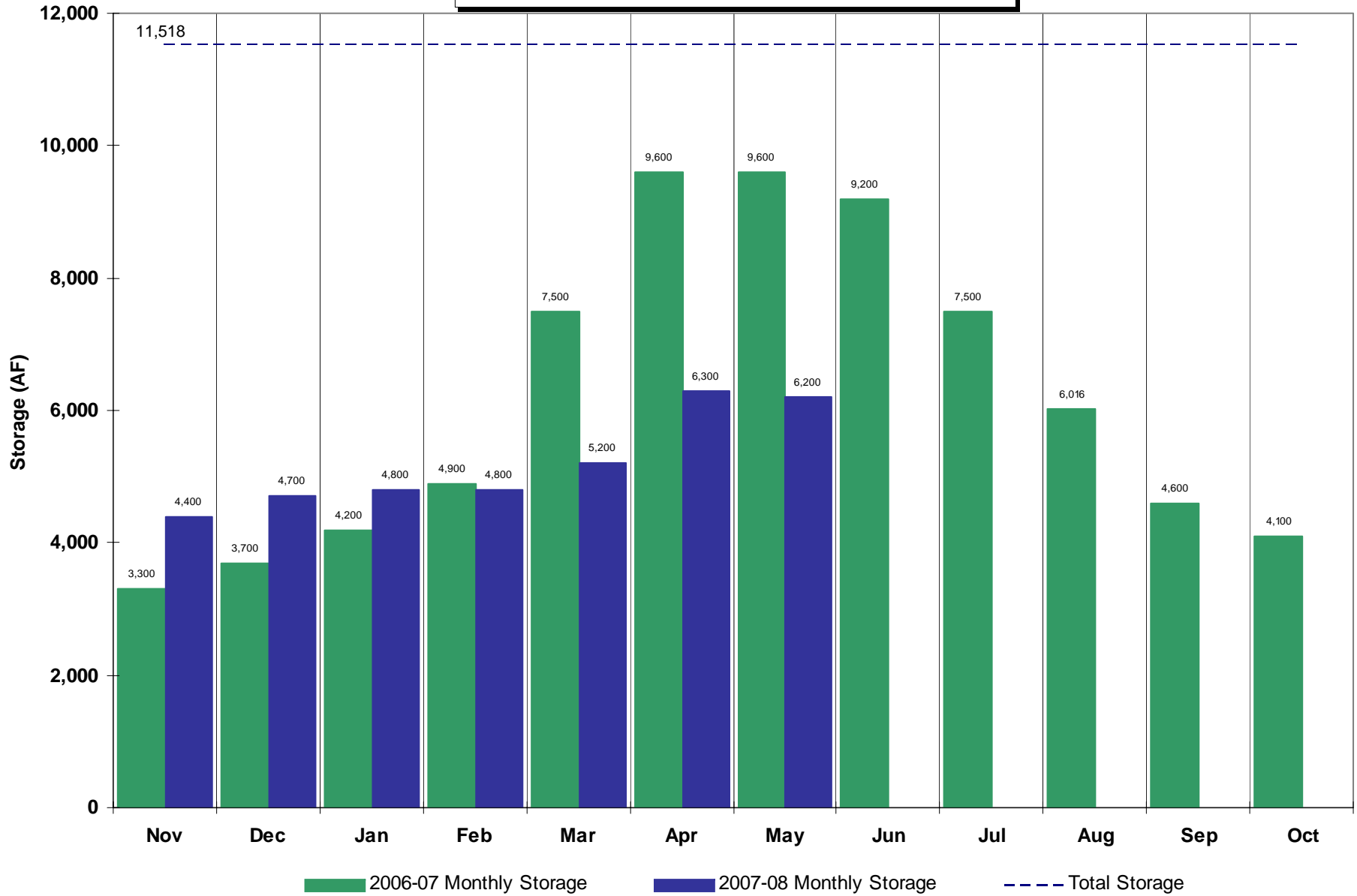
(District 3, Poudre River - Agricultural)





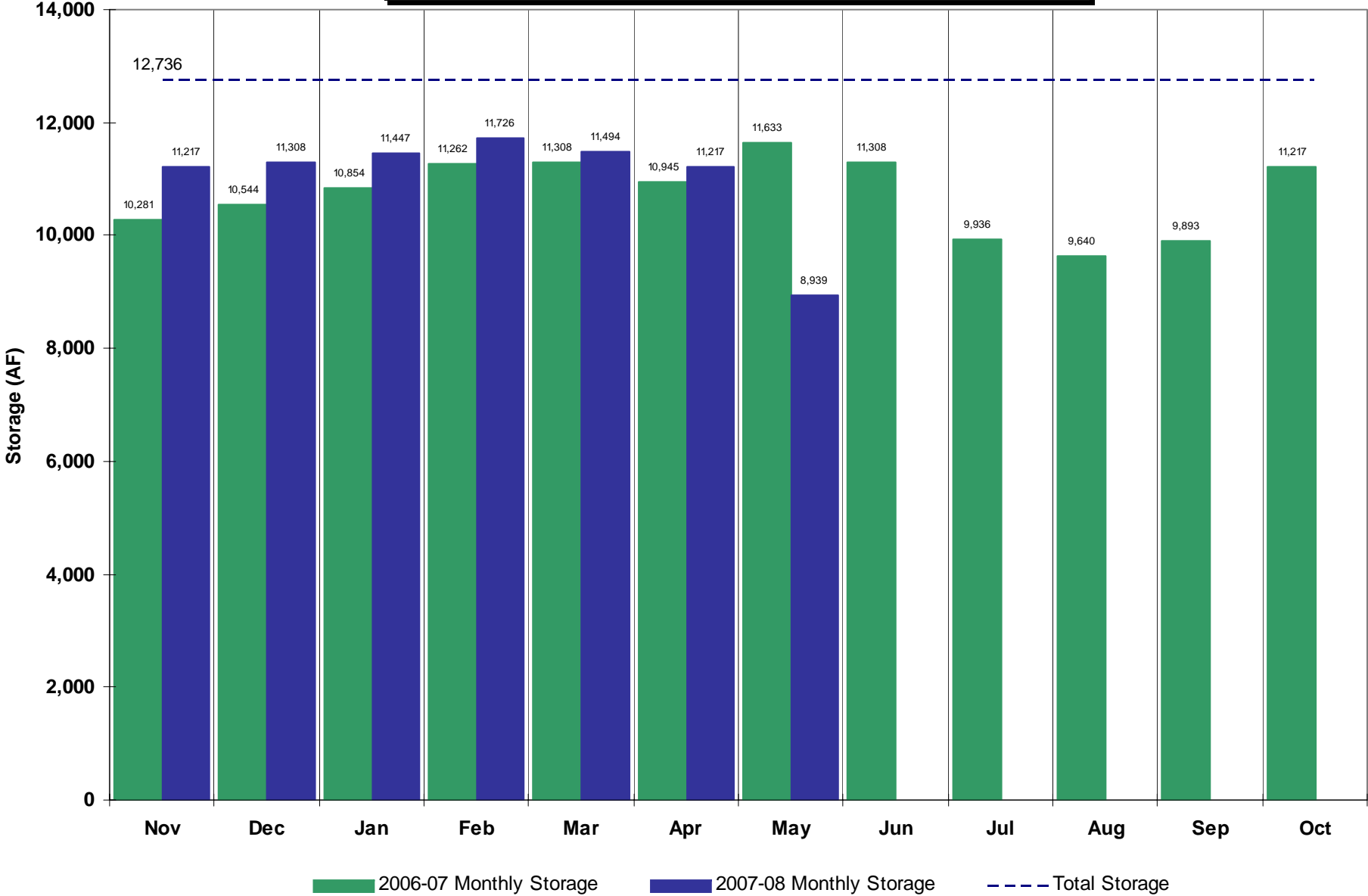
# Marshall Lake

(District 6, Boulder Creek - Agricultural)



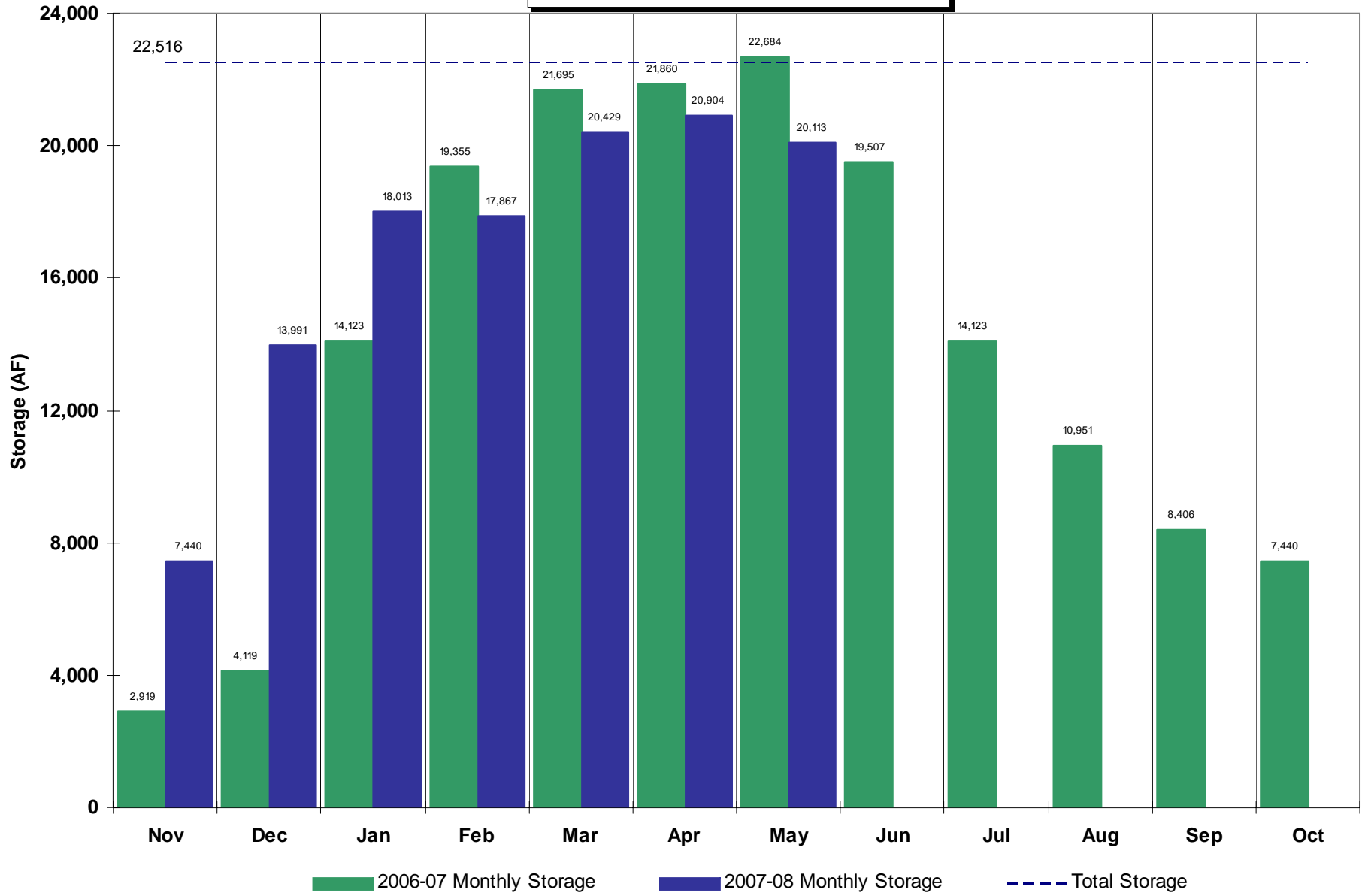
# Loveland Greeley Reservoir

(District 4, Big Thompson River - Agricultural)



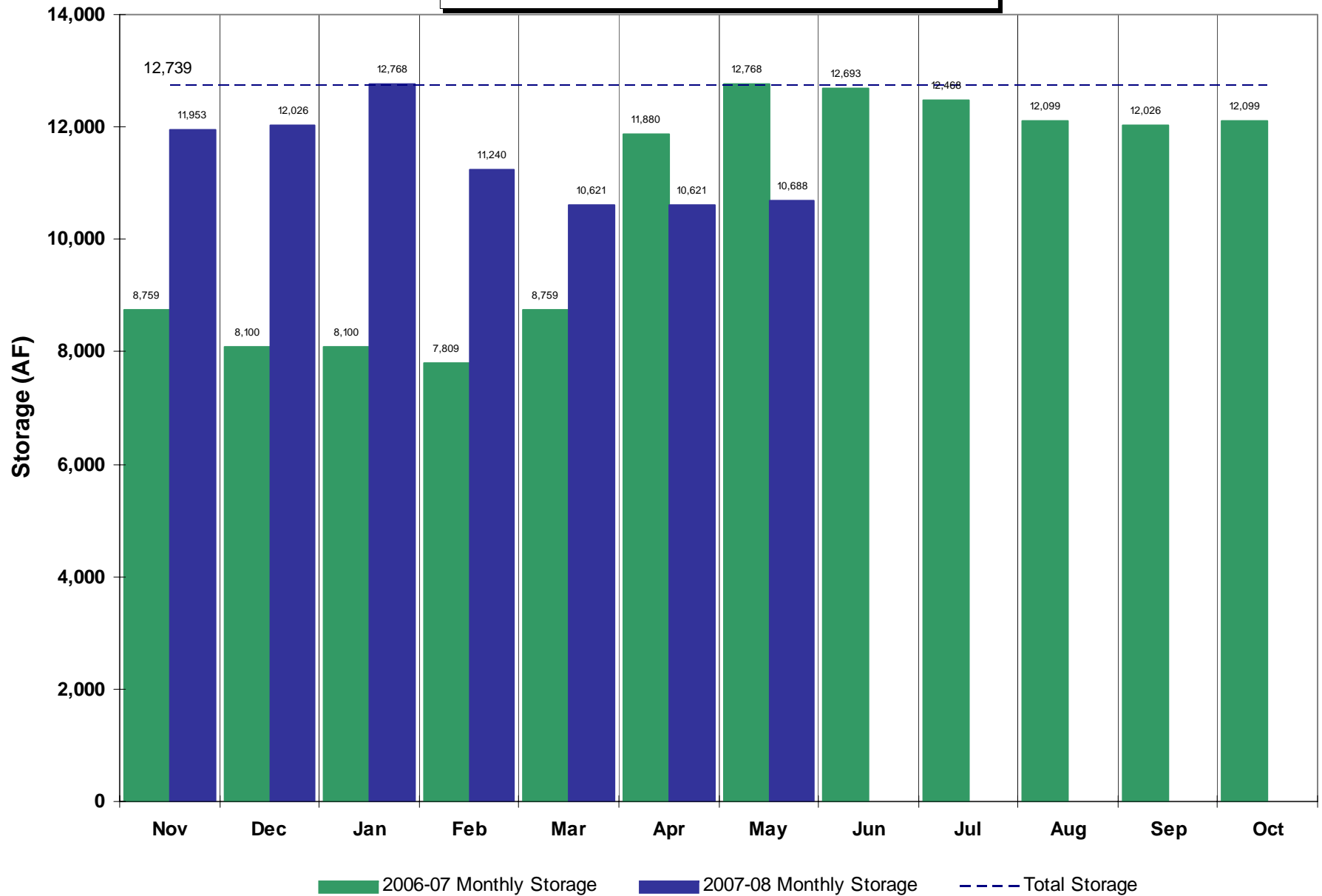
# Milton Reservoir

(District 2 - Agricultural)

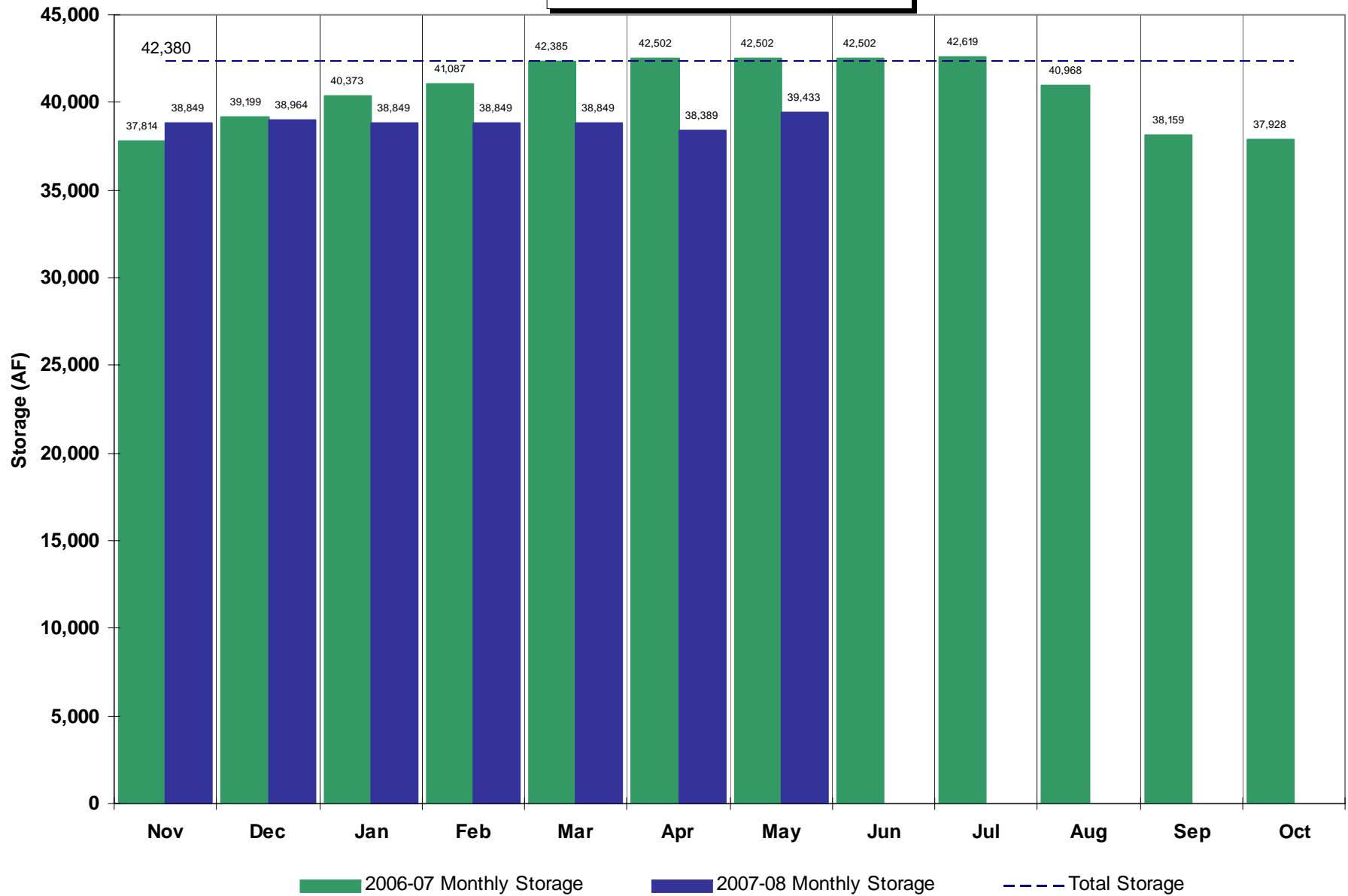


# Union Reservoir

(District 5, St. Vrain Creek - Agricultural)

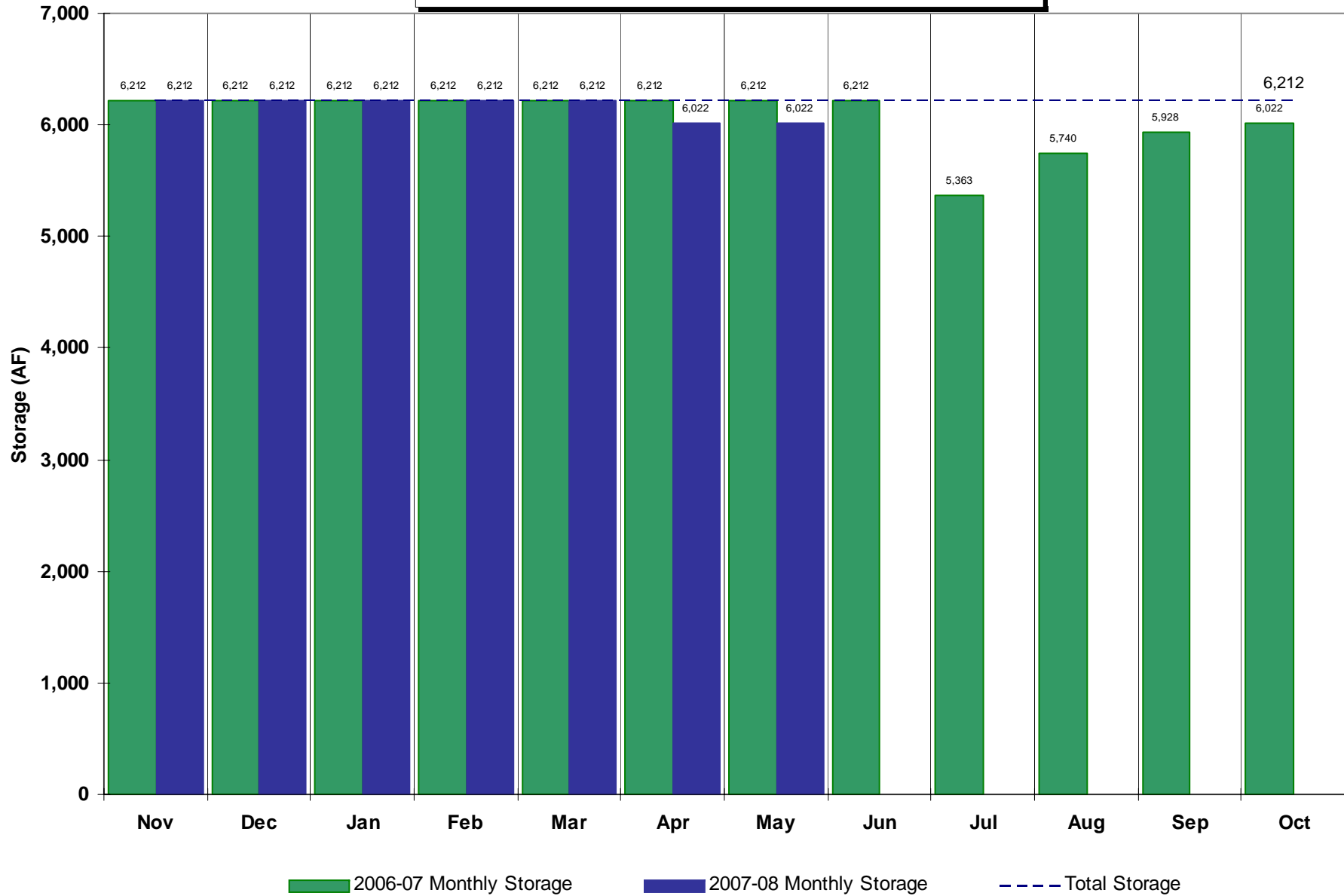


# Standley Lake (Agricultural)



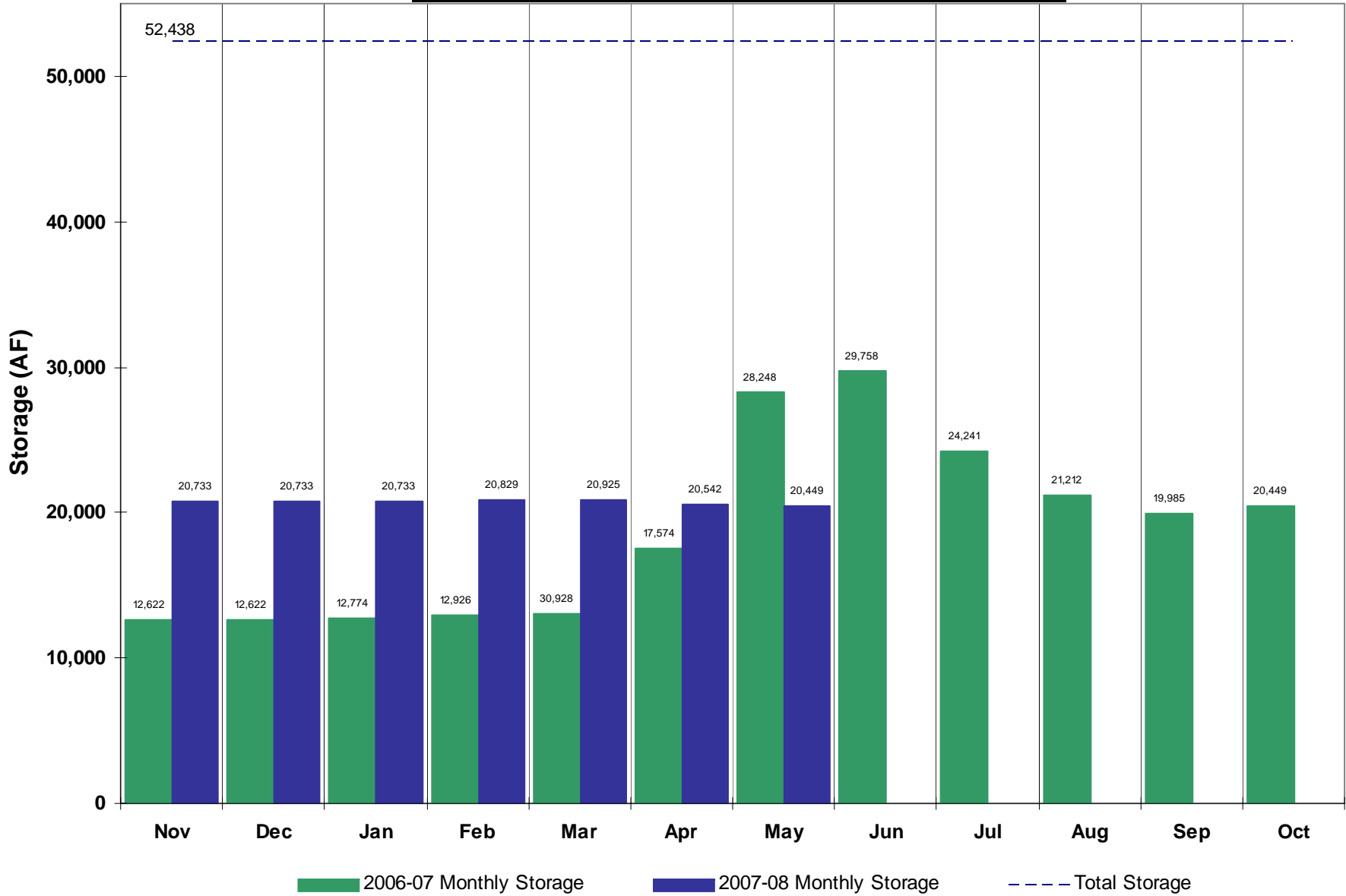
# Lower Latham Reservoir

(District 2 - Agricultural)



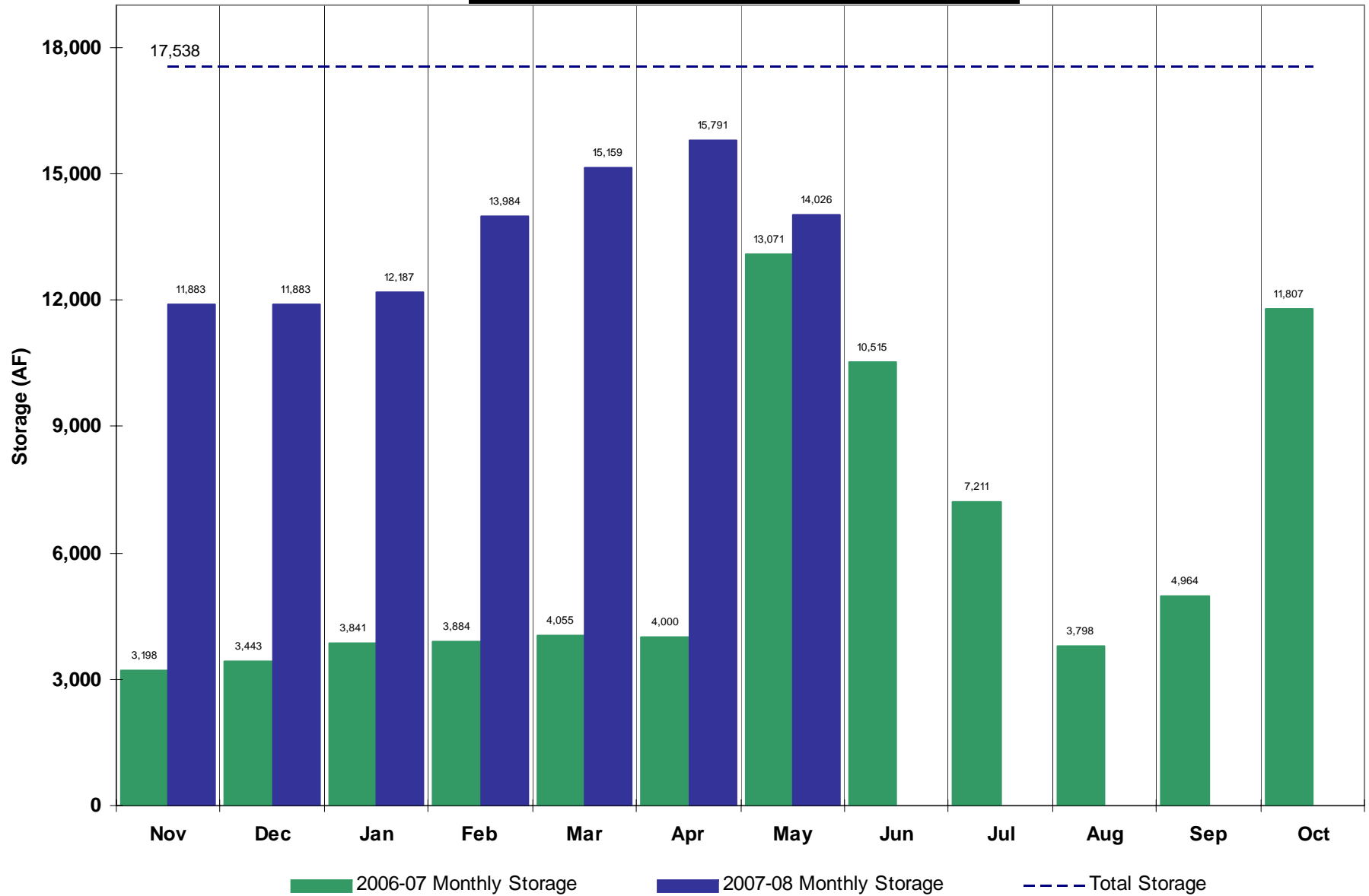
# Boyd Lake

(District 4, Big Thompson River - Agricultural)



# Windsor Reservoir

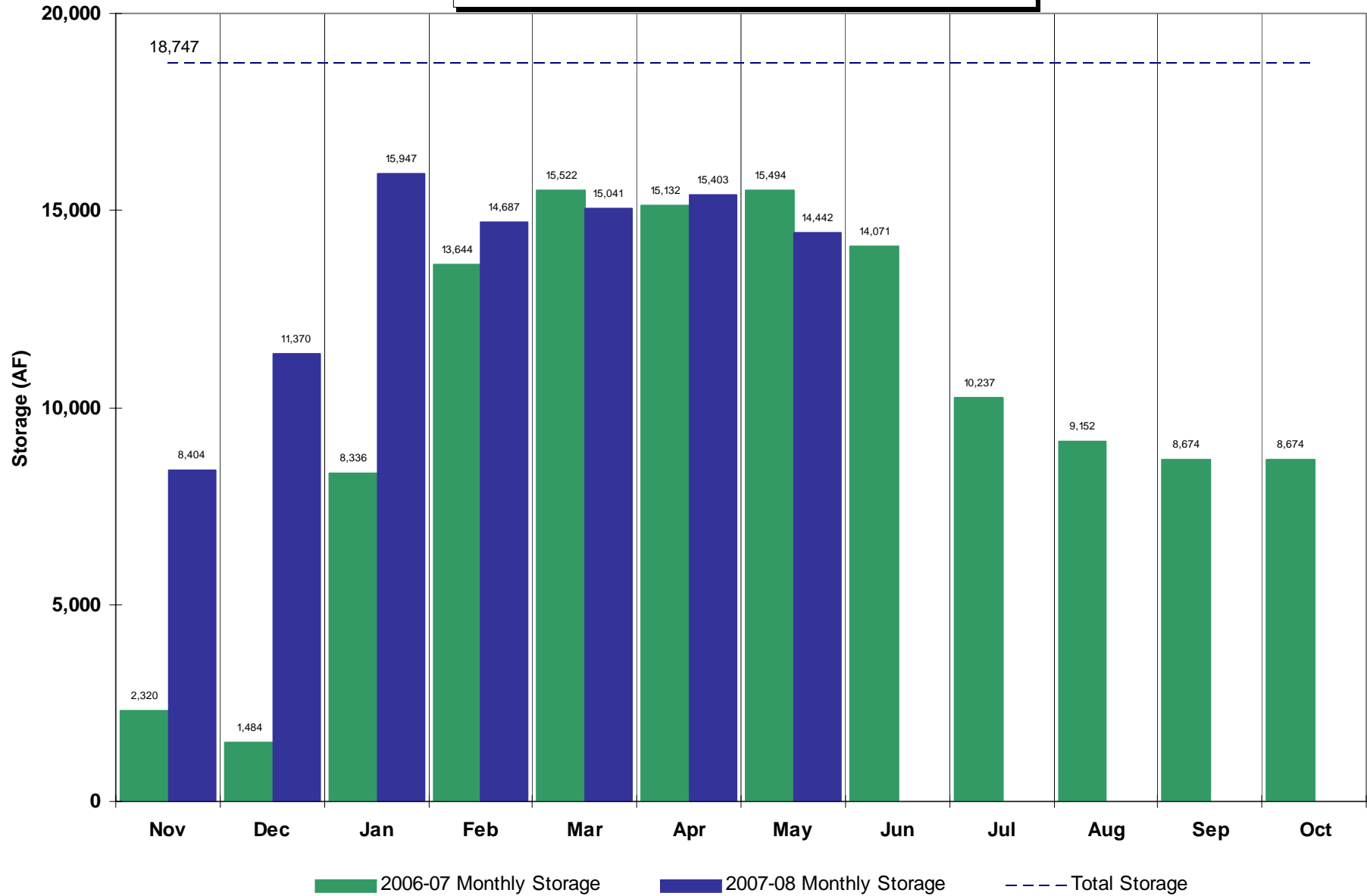
(District 3, Poudre River - Agricultural)





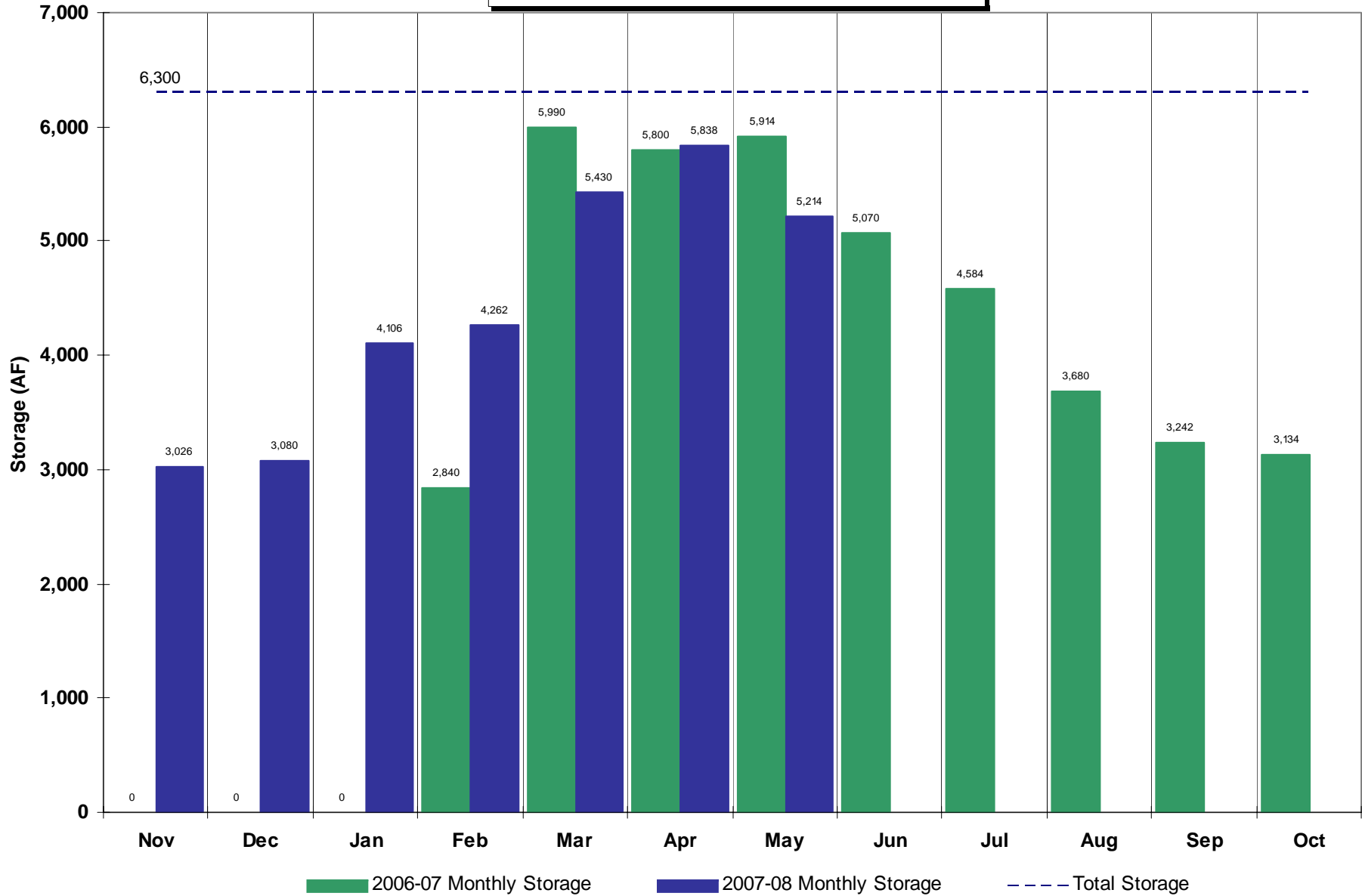
# Horse Creek Reservoir

(District 1 - Agricultural)

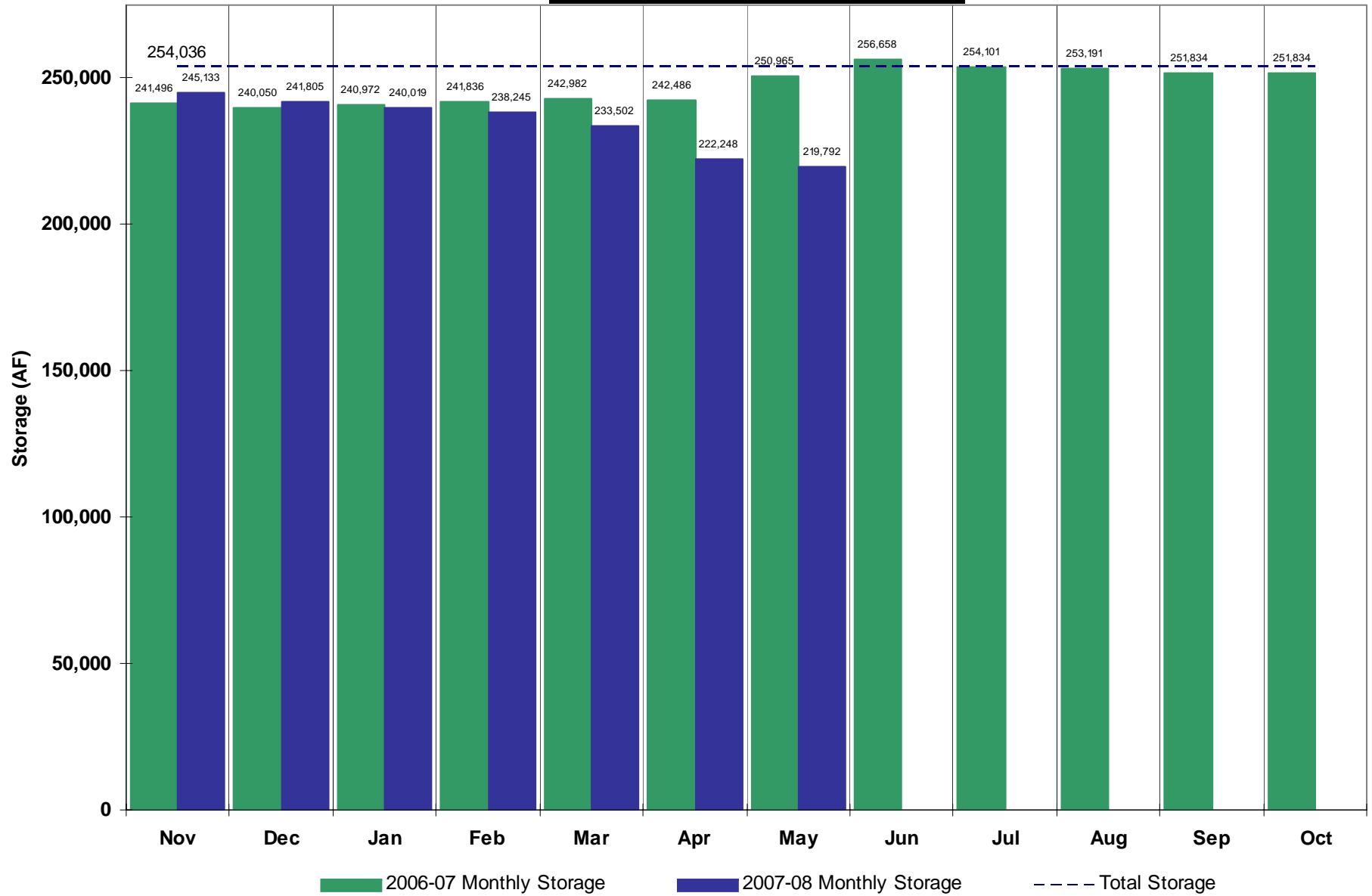


# Prospect Reservoir

(District 1- Agricultural)

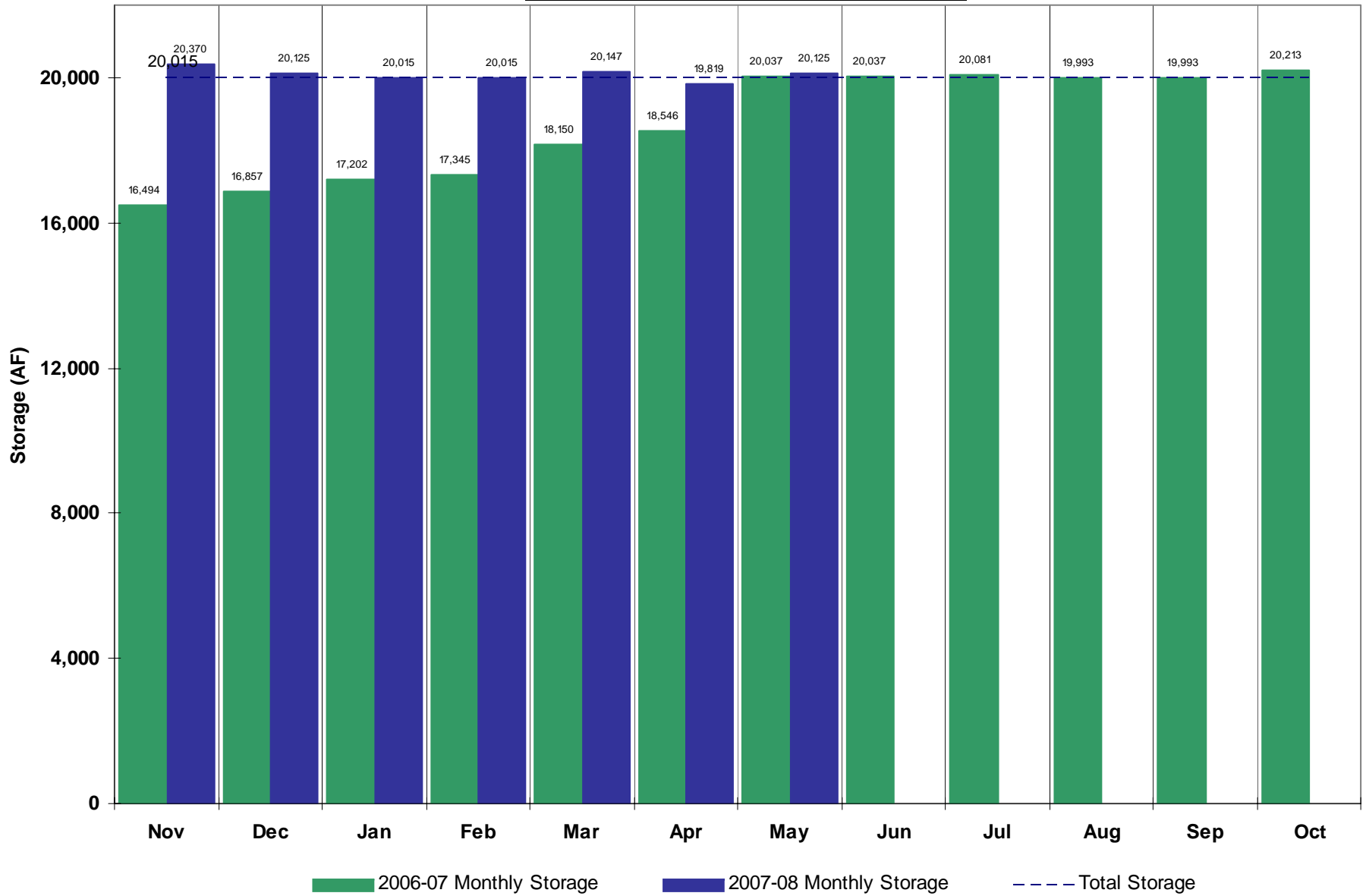


# Dillon Reservoir (Municipal)



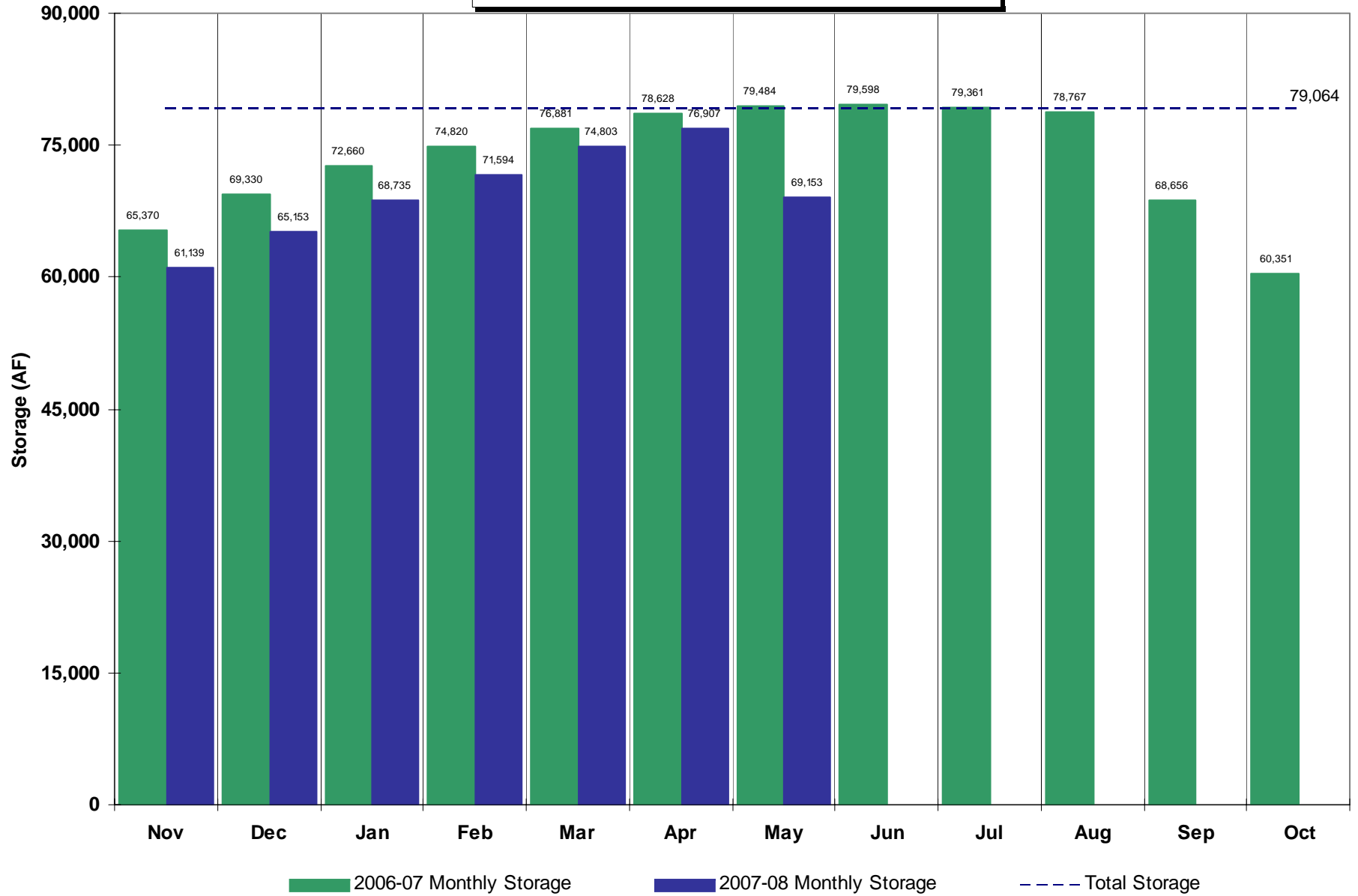
# Antero Reservoir

## (District 23 - Municipal)



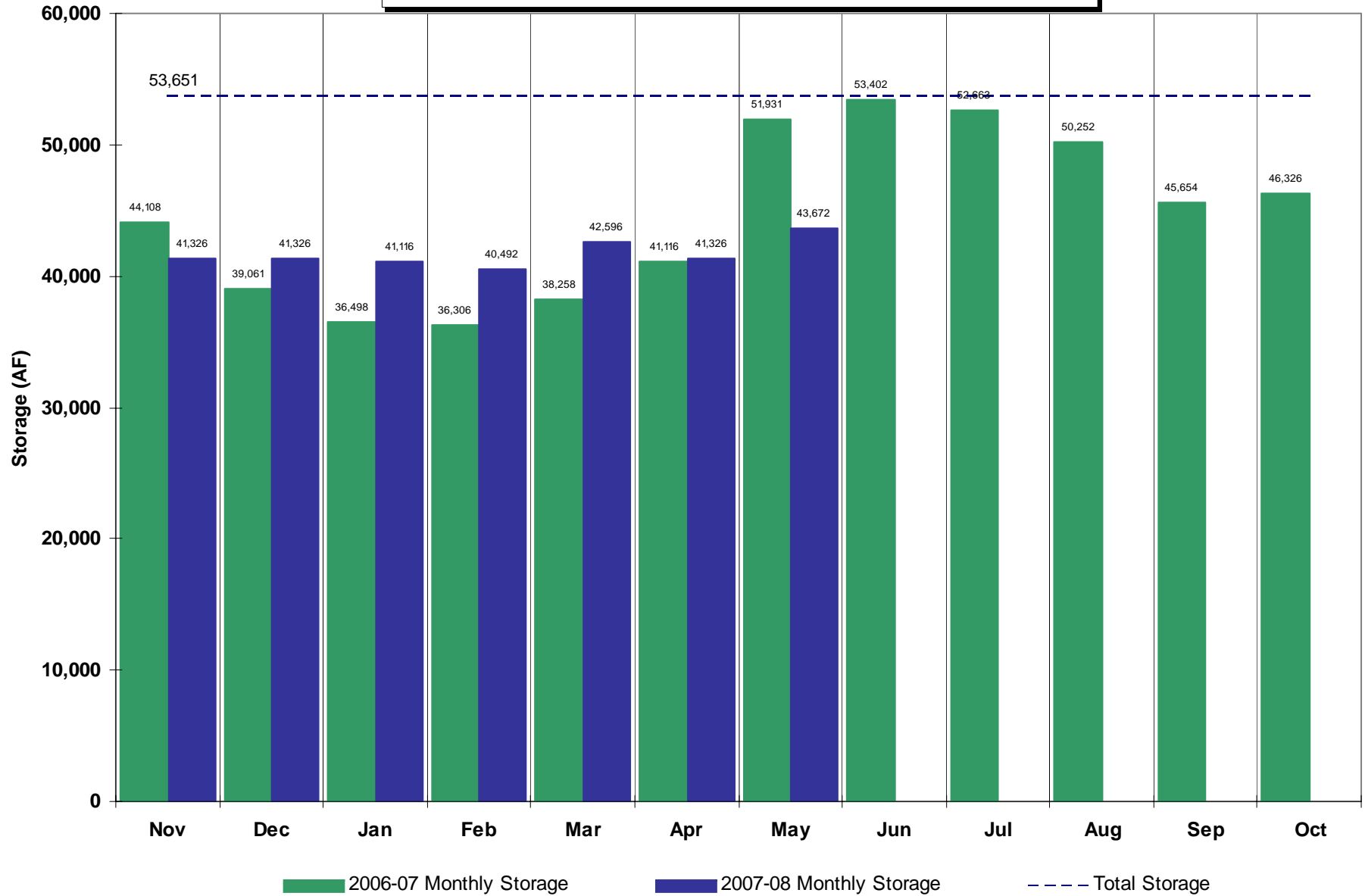
# Cheesman Reservoir

(District 80 - Municipal)



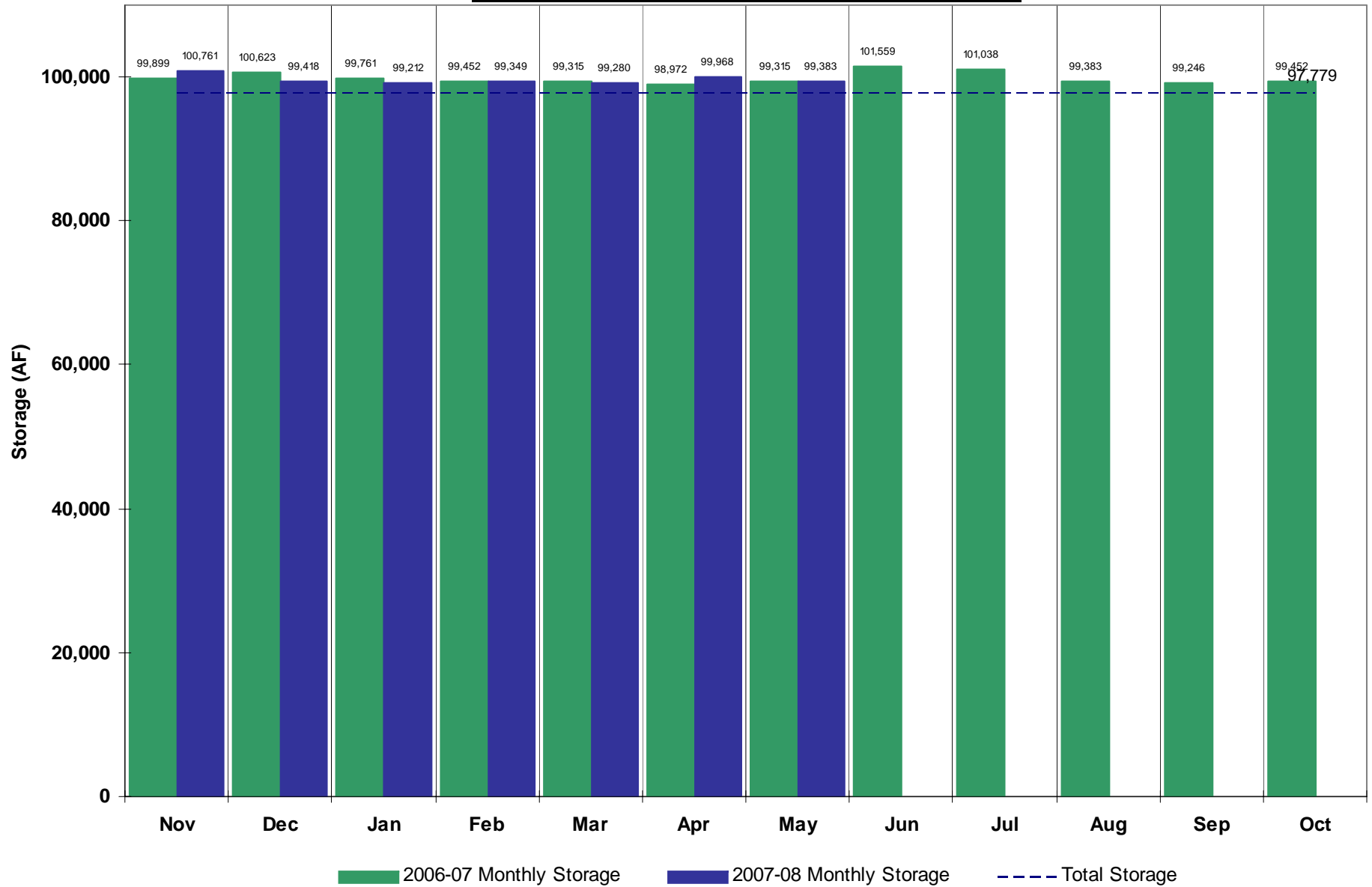
# Spinney Mountain Reservoir

(District 23 - Municipal)

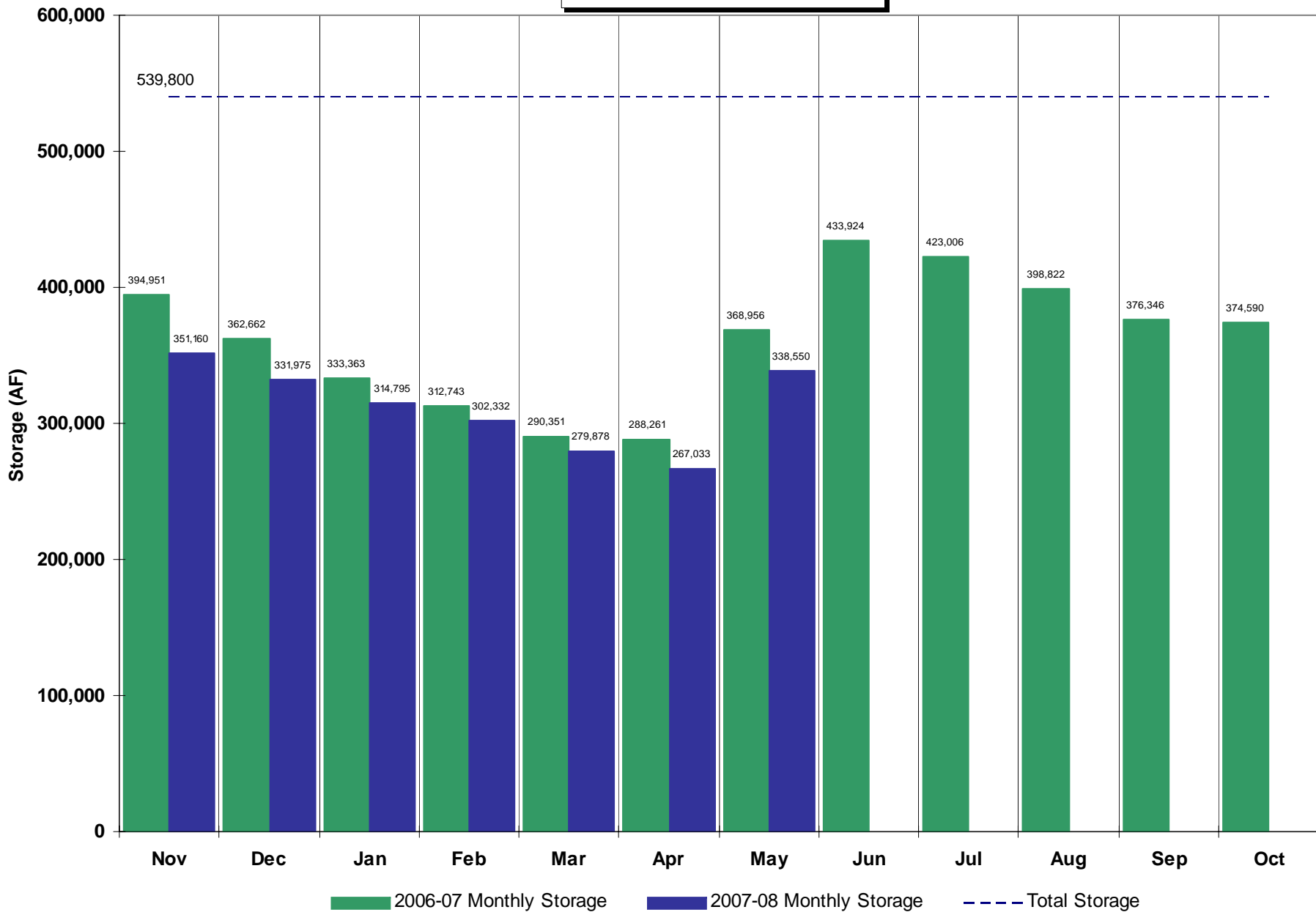


# Eleven Mile Reservoir

## (District 23 - Municipal)

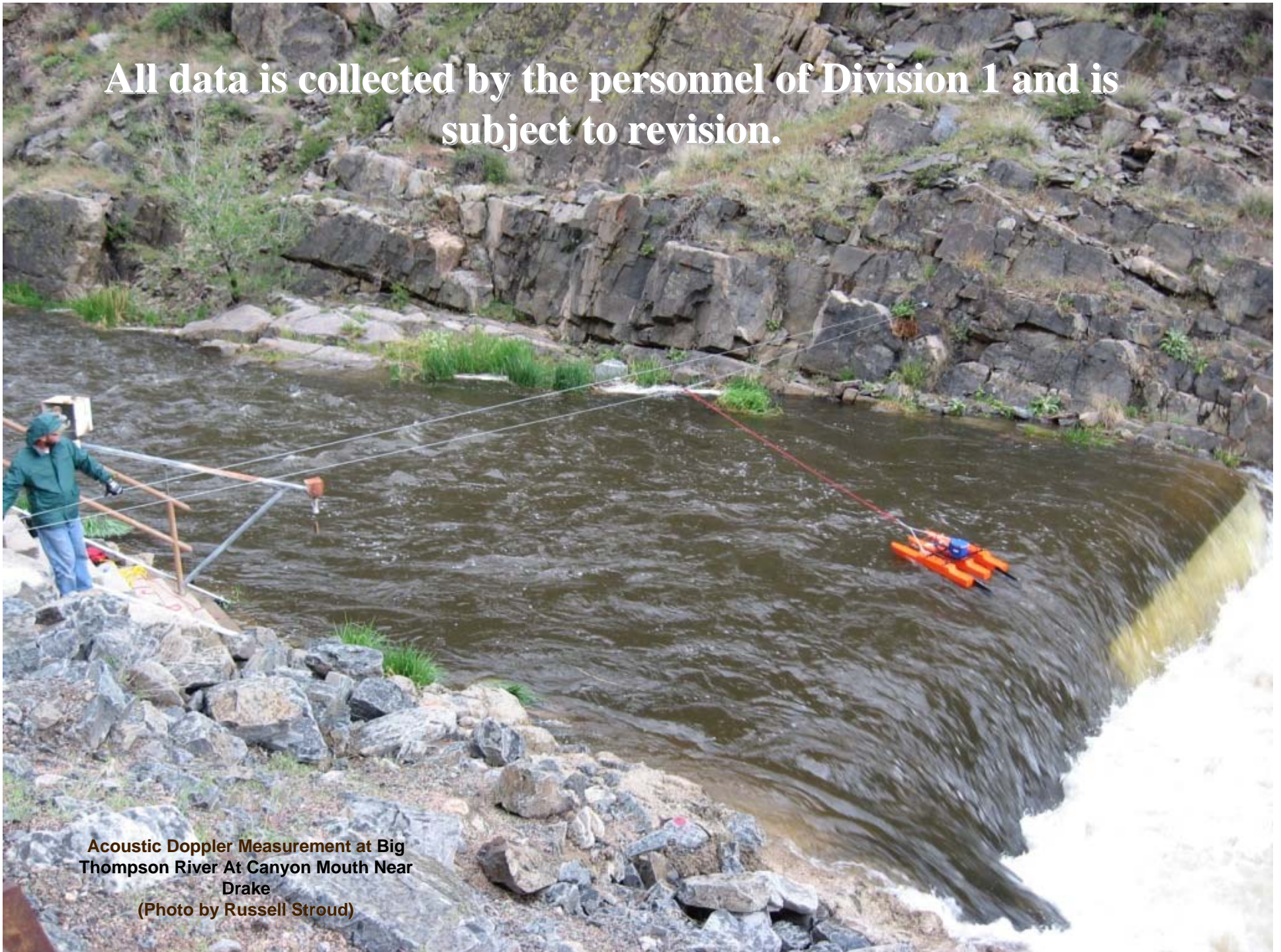


# Lake Granby





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



Acoustic Doppler Measurement at Big Thompson River At Canyon Mouth Near Drake  
(Photo by Russell Stroud)