

# South Platte Summary

## April 2007

South Platte at Denver, approximately 5000 cfs  
(photo by Kip Bossong, USGS)

By David Ellington

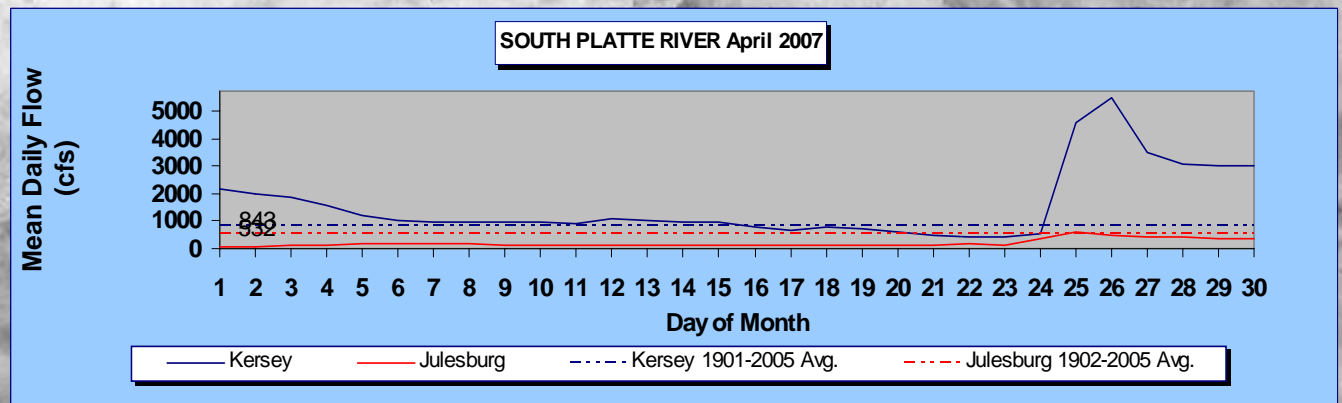
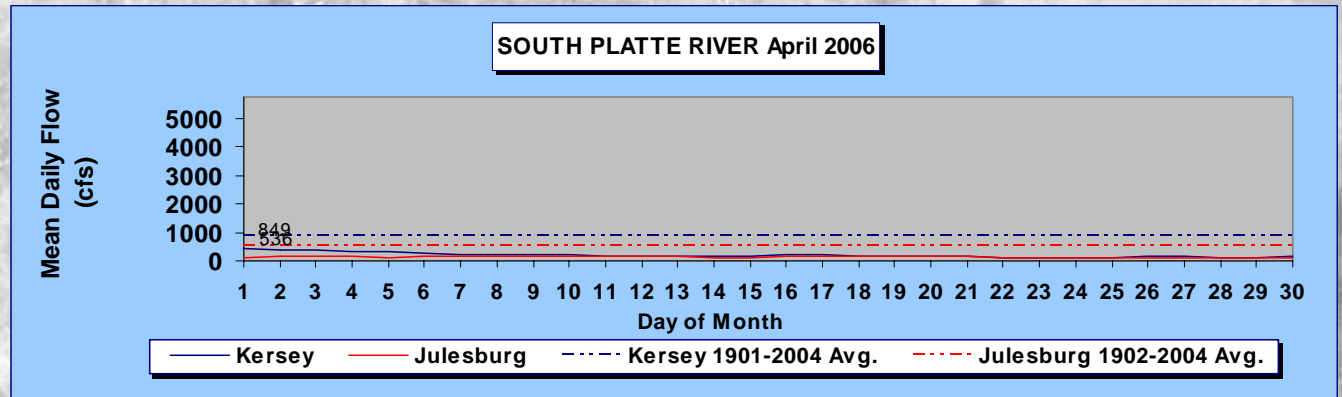


# COLORADO DIVISION OF WATER RESOURCES, DIVISION 1

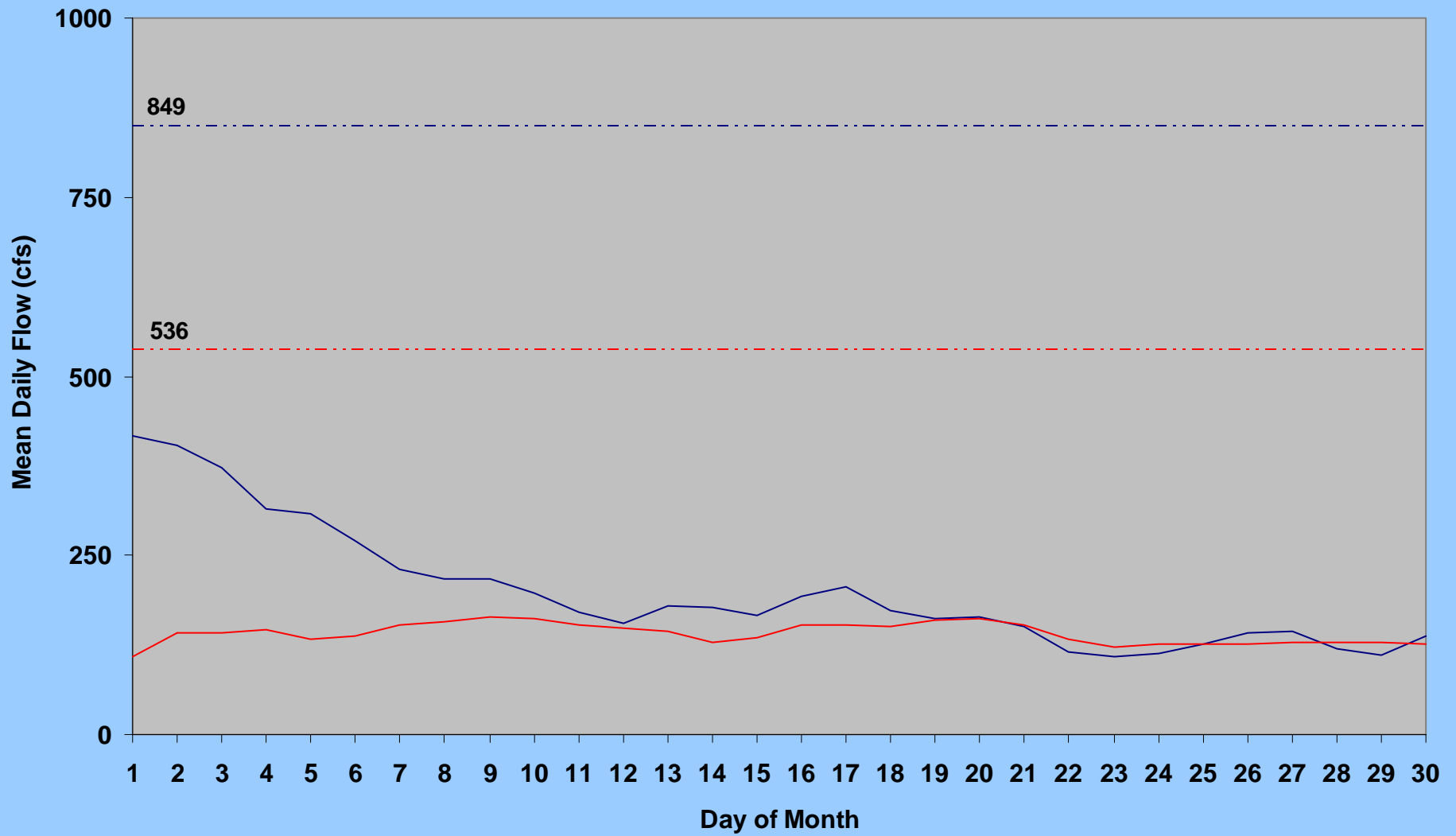
## MONTH OF APRIL 2007

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	22,666	22,521	64	-145	-1%	99%	100%	0
N STERLING	73,730	56,600	75,020	64	18,420	33%	100%	94%	1,290
PREWITT	28,500	28,600	28,597	64	-3	0%	100%	88%	97
JACKSON	27,257	27,170	27,256	1	86	0%	100%	95%	0
EMPIRE	37,700	35,680	37,709	1	2,029	6%	100%	82%	9
RIVERSIDE	63,113	62,541	60,987	1	-1,554	-2%	97%	86%	0
BARR LAKE	31,652	28,756	30,057	2	1,301	5%	95%	91%	0
CHEESMAN	79,064	76,881	78,628	80	1,747	2%	99%	85%	0
ELEVEN MILE	97,779	99,315	98,972	23	-343	0%	100%	100%	1,193
SPINNEY	53,651	38,258	41,116	23	2,858	7%	77%	79%	0
ANTERO	20,015	18,150	18,546	23	396	2%	93%	37%	0

RIVER GAGES	MEAN DAILY FLOW (CFS)
<b>KERSEY</b>	<b>1566</b>
<b>JULESBURG</b>	<b>201</b>
<b>THIS MONTH LAST YEAR</b>	
<b>KERSEY</b>	<b>199</b>
<b>JULESBURG</b>	<b>141</b>
<b>MEAN FOR PERIOD OF RECORD*</b>	
<b>KERSEY</b>	<b>843</b>
<b>JULESBURG</b>	<b>532</b>
* 1901-2005	
1902-2005	



# SOUTH PLATTE RIVER April 2006



— Kersey

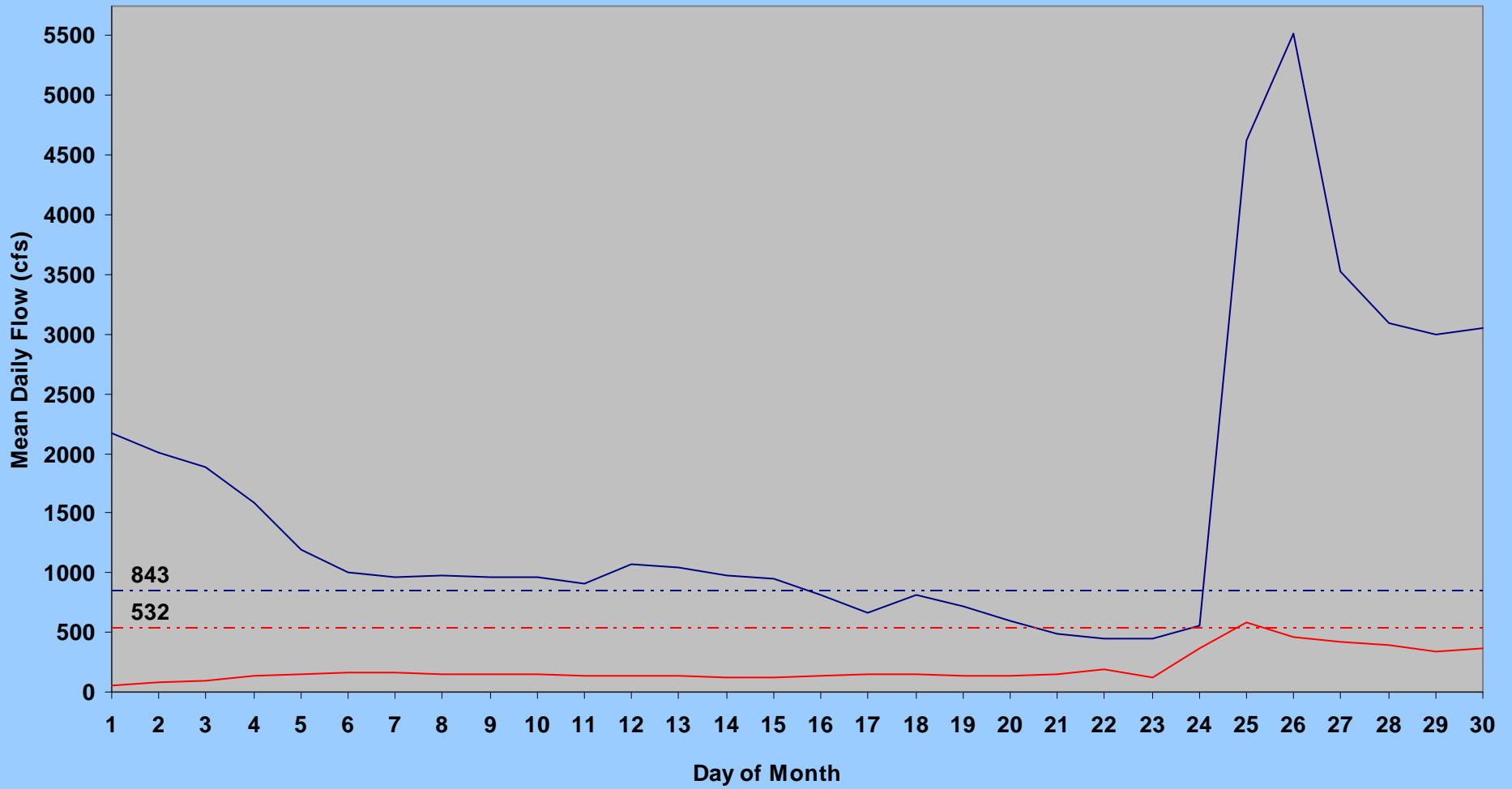
— Julesburg

- - - Kersey 1901-2004 Avg.

- - - Julesburg 1902-2004 Avg.

# SOUTH PLATTE RIVER

## April 2007



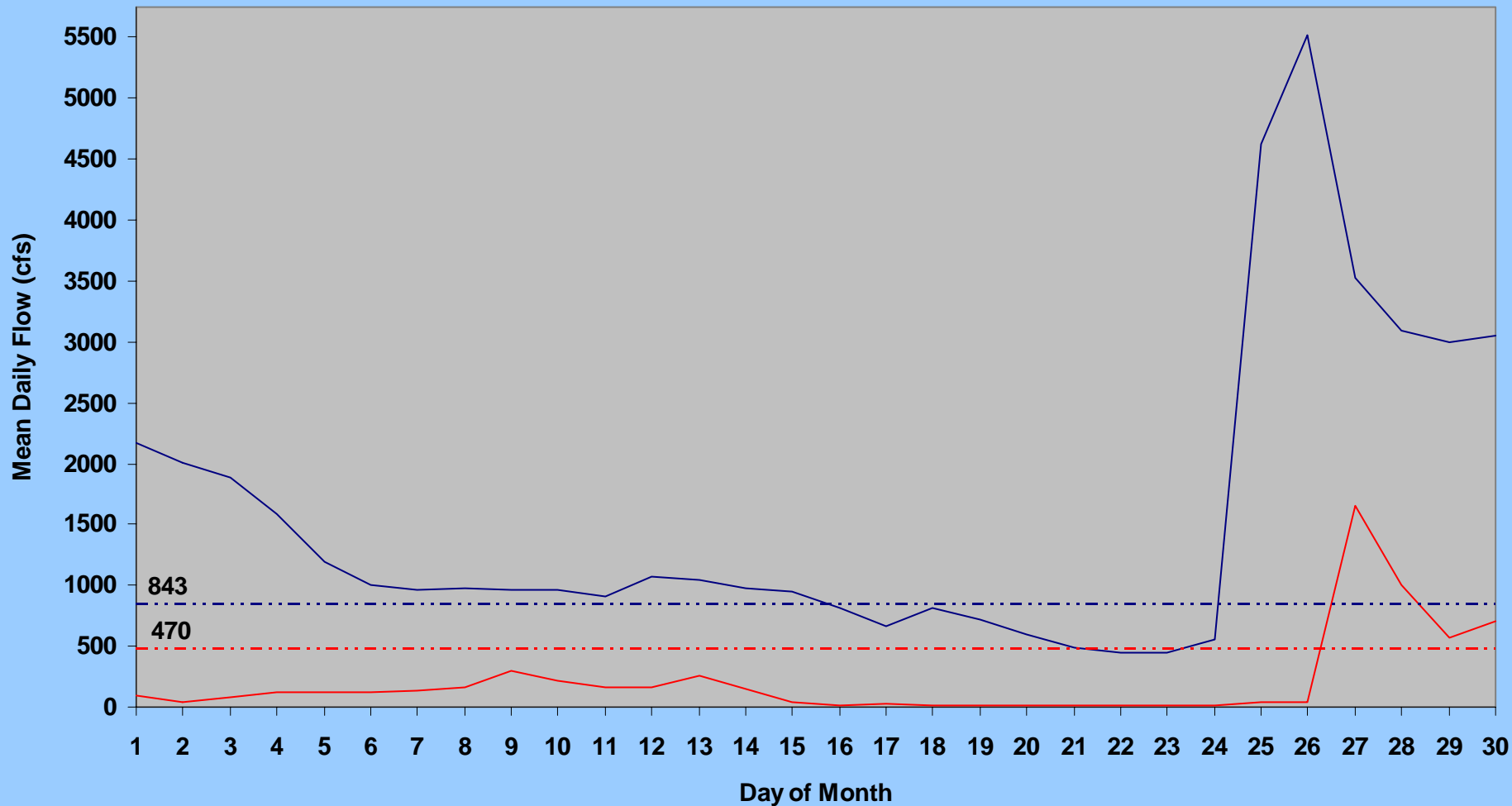
— Kersey

— Julesburg

- - - Kersey 1901-2005 Avg.

- - - Julesburg 1902-2005 Avg.

# KERSEY and BALZAC April 2007



— Kersey      — Balzac      - - - Kersey 1901-2005 Avg.      - - - Balzac 1987-2005 Avg.



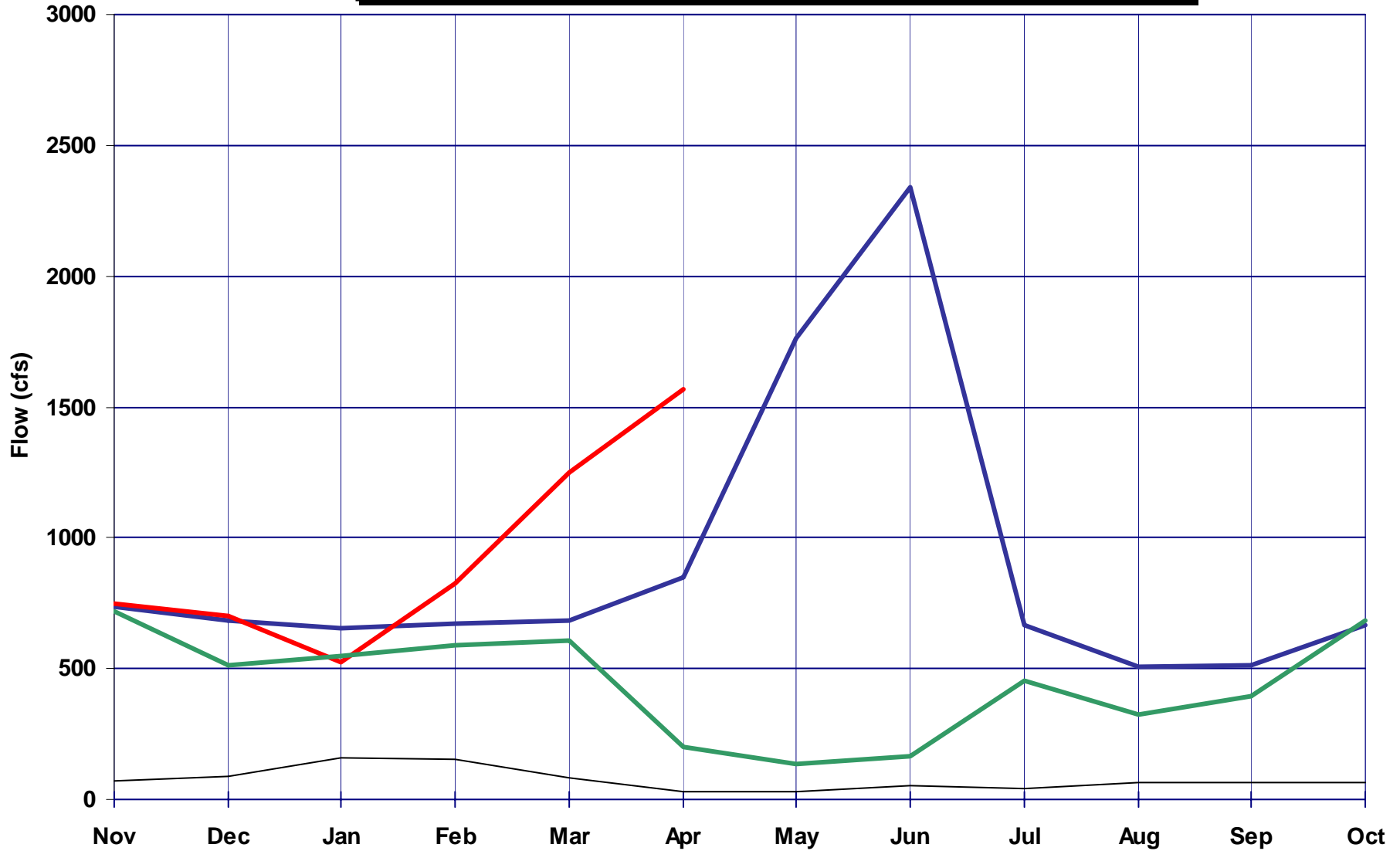


South Platte at Henderson,  
approximately 7000 cfs  
(Photo by Kip Bossong, USGS)

<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 2007 Mean Monthly Flow	Month	Historic* Mean Flow	Historic* Max Flow	Year	Historic* Min Flow	Year	IY 2007 Mean Monthly Flow
Nov	737	3650	1984	70	1934	746	Nov	346	2900	1984	4.2	1903	39
Dec	684	1890	1961	91	1934	704	Dec	408	1820	1984	13	2002	63
Jan	655	2160	1974	158	1935	526	Jan	522	2510	1970	21	2003	210
Feb	673	3060	1914	152	1935	825	Feb	598	3220	1930	22	2004	225
Mar	686	3470	1983	80	1935	1250	Mar	540	12900	1910	15	1904	60
Apr	849	18100	1942	28	1955	1566	Apr	536	14400	1942	4.0	1904	201
May	1760	26100	1973	29	1955		May	1034	18100	1973	12	1911	
Jun	2342	31000	1921	52	1954		Jun	1456	30800	1921	2.0	1910	
Jul	666	12600	1983	44	1955		Jul	298	12600	1983	0.0	1903	
Aug	505	9690	1951	65	1934		Aug	183	8920	1968	0.0	1903	
Sep	515	14200	1938	62	1940		Sep	243	7130	1938	2.0	1902	
Oct	664	6180	1984	66	1954		Oct	307	3130	1984	4.2	1903	
*Period of record 1901-2005							*Period of record 1902-2005						

# South Platte River at Kersey

Irrigation Water Year



— Historic\* Mean Flow  
\*1901-2005

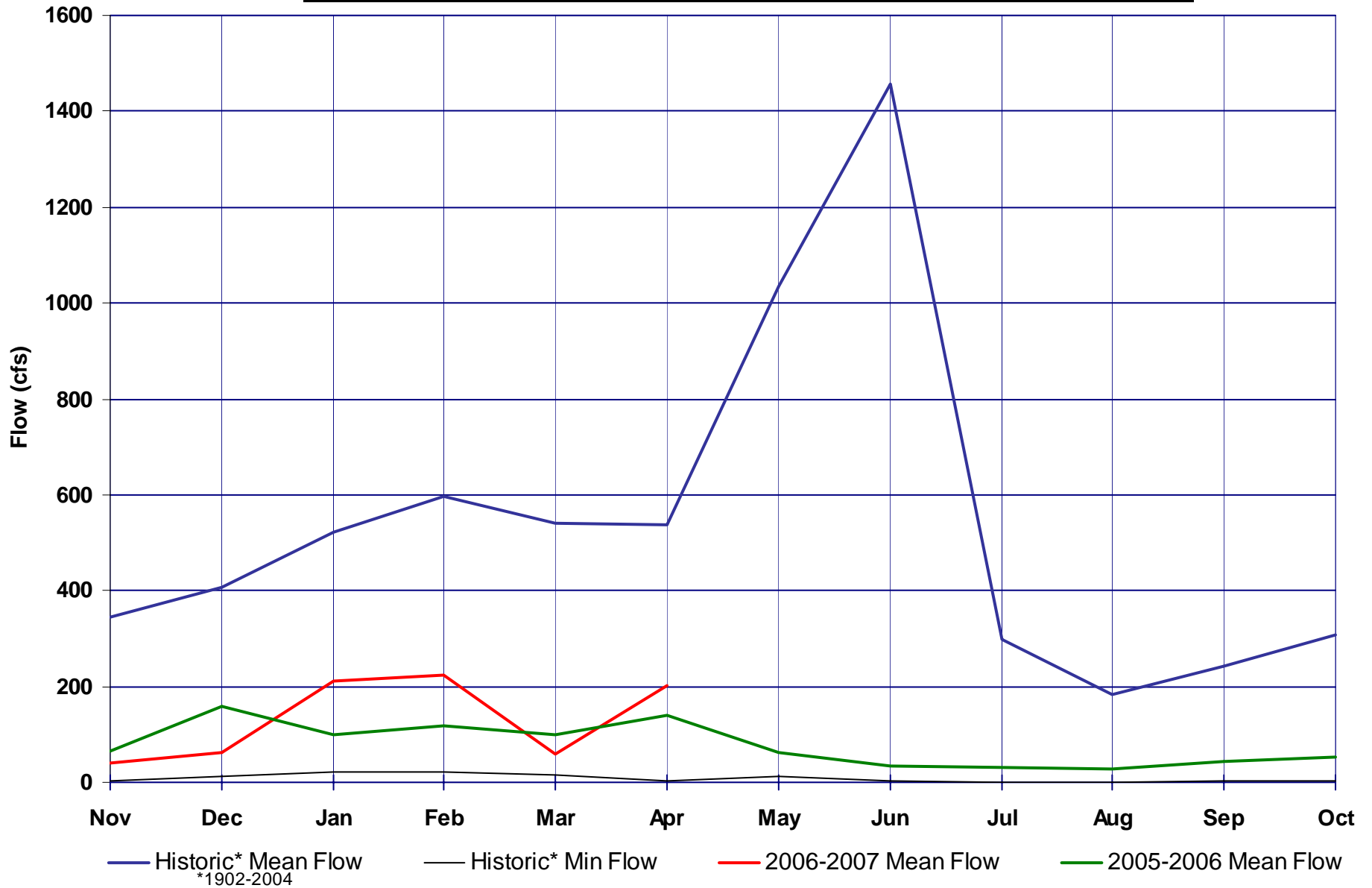
— Historic\* Min Flow

— 2006-2007 Mean Flow

— 2005-2006 Mean Flow

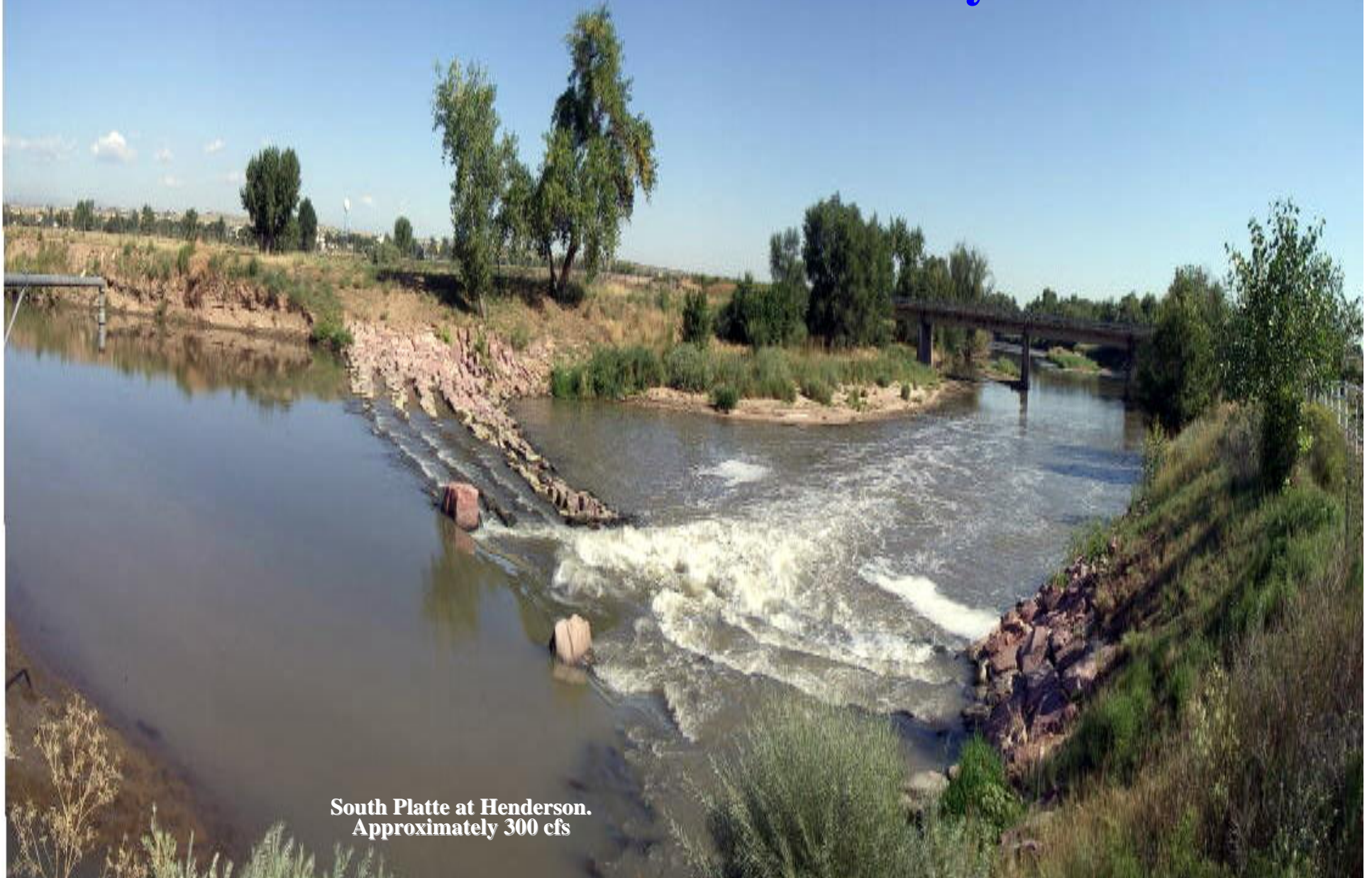
# South Platte River at Julesburg

Irrigation Water Year





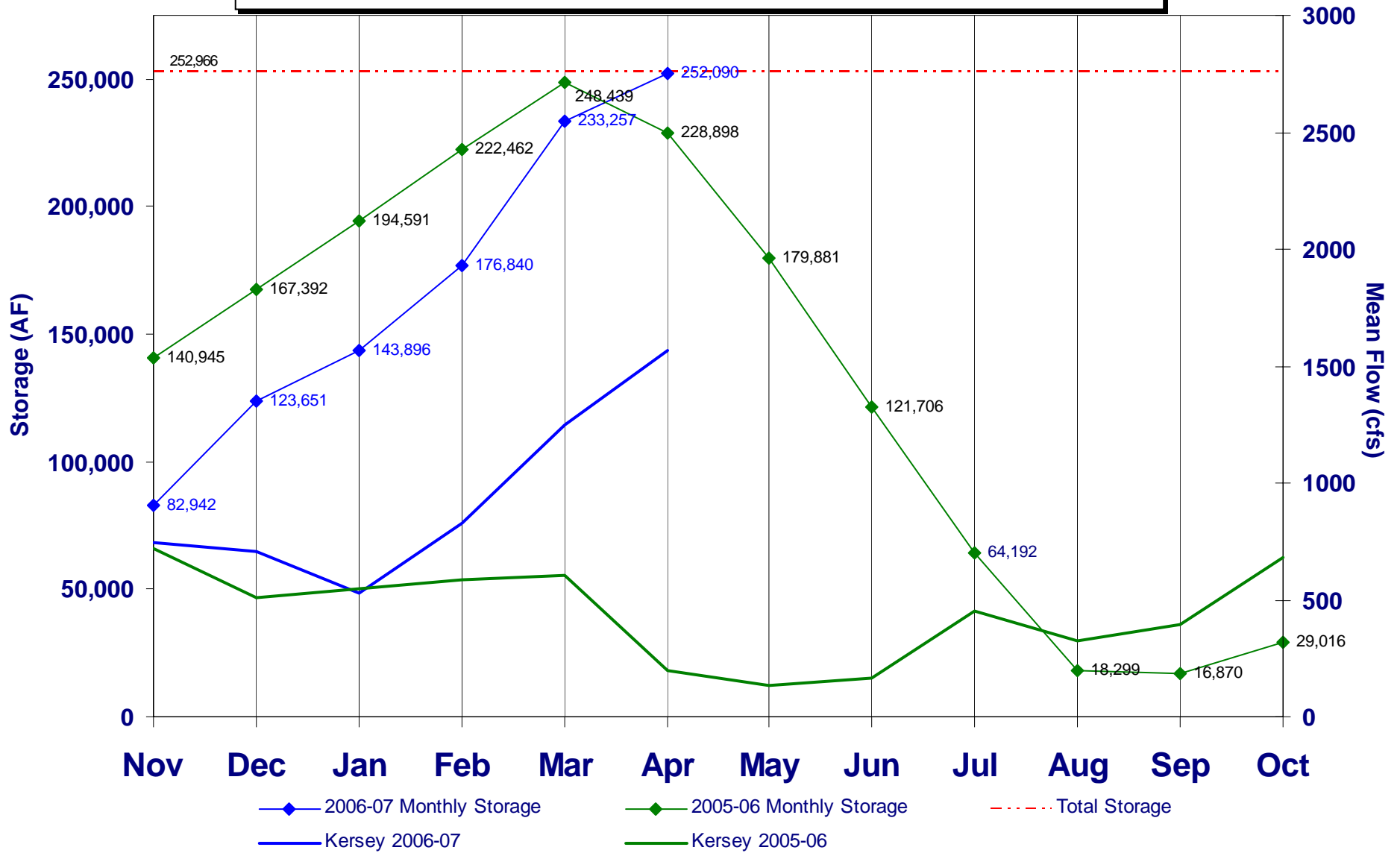
# Next four slides show Reservoir Storage below and above Kersey



**South Platte at Henderson.  
Approximately 300 cfs**

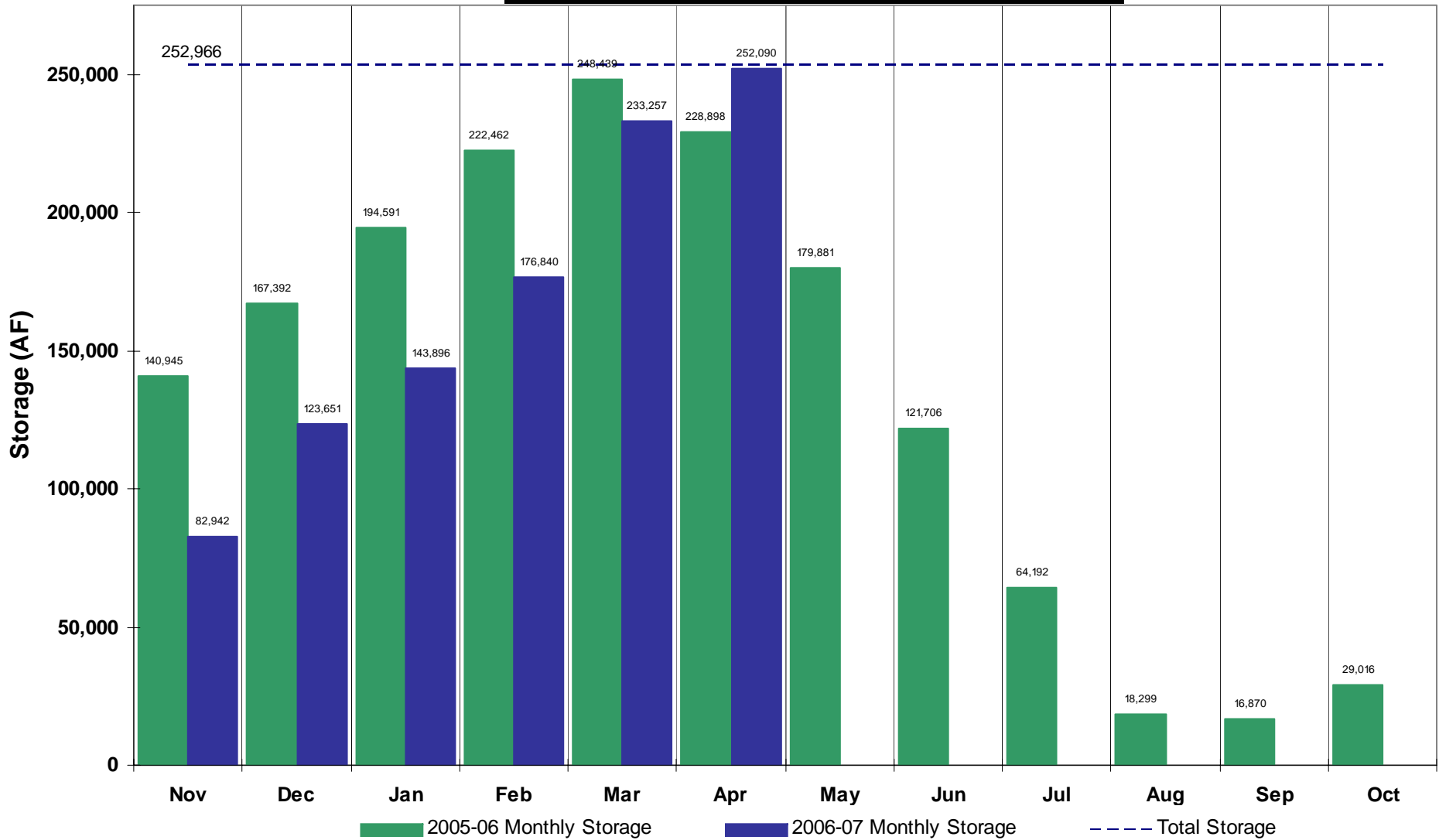
# Reservoir Storage below Kersey

Selected Reservoirs\*



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

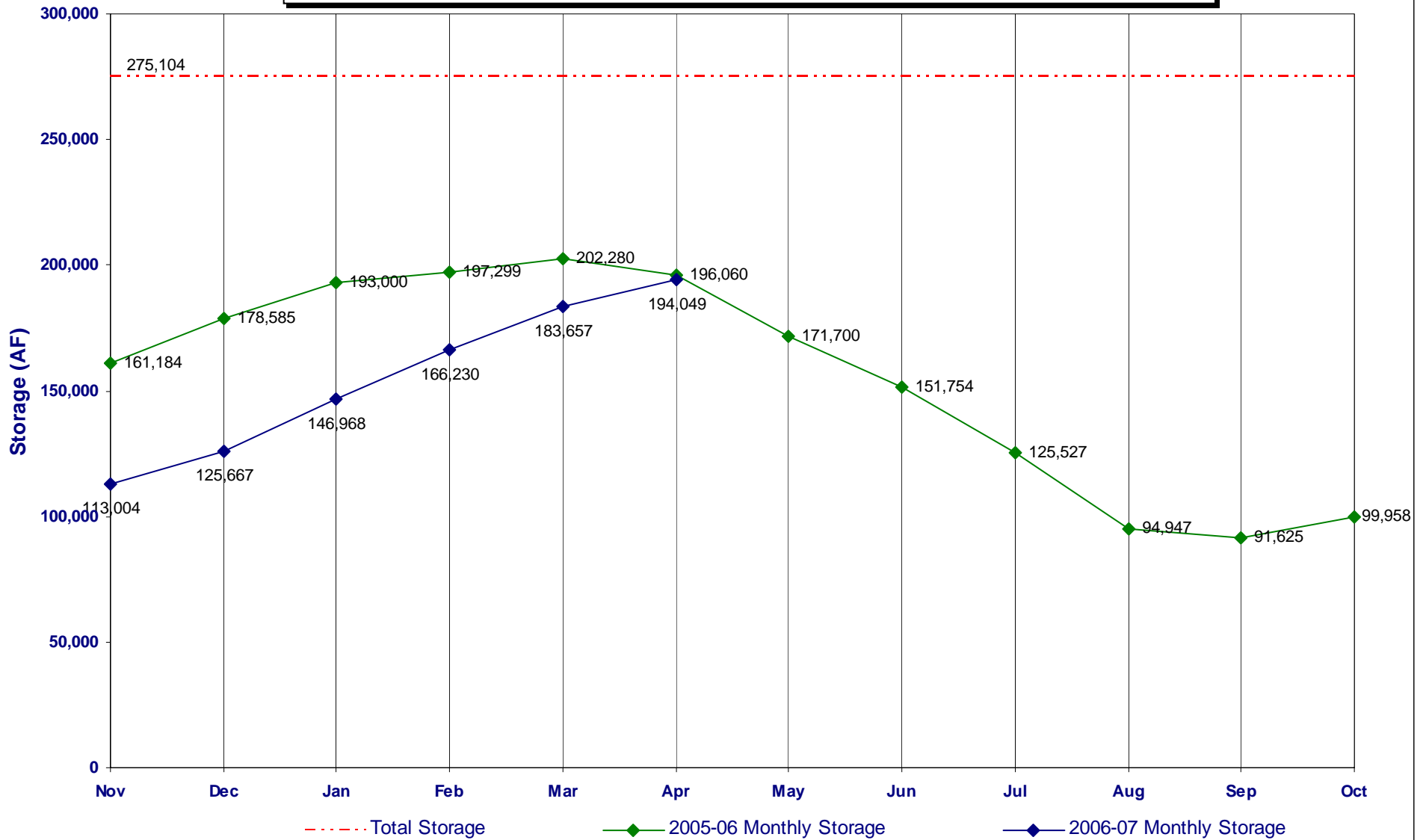
# South Platte Reservoirs Storage below Kersey\*



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

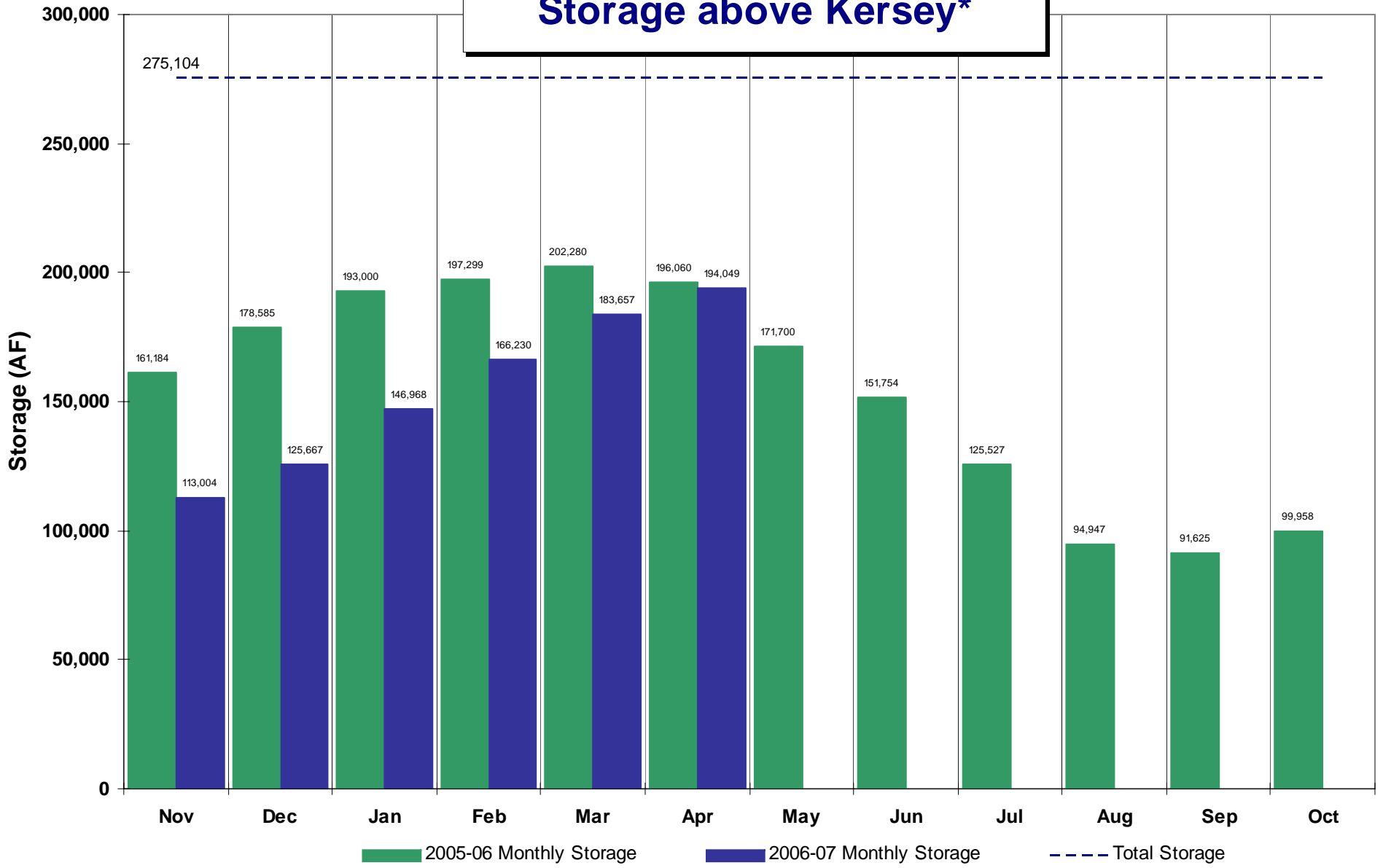
# Reservoir Storage above Kersey

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



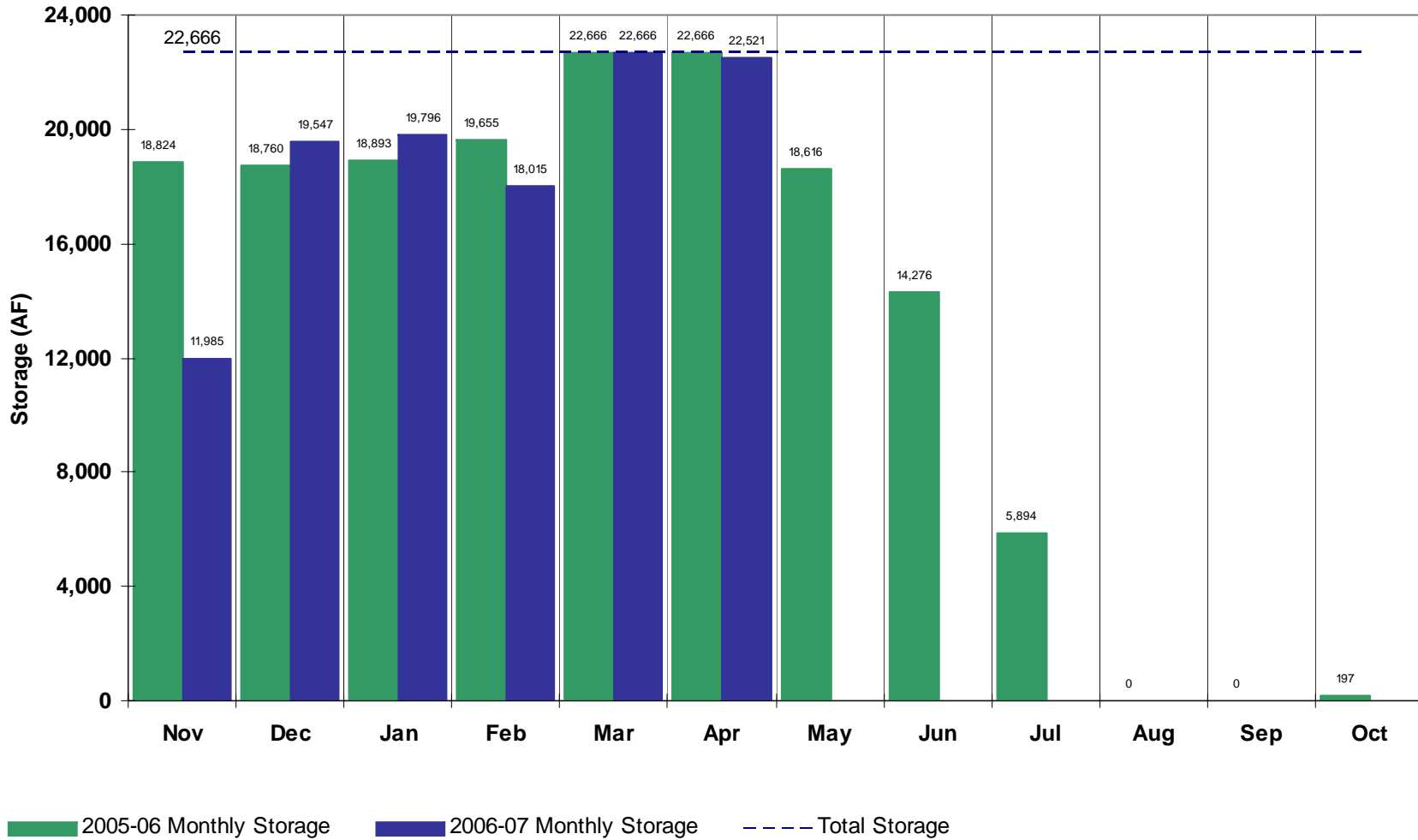
# Individual Reservoir Storage Follows



Opatril Recharge Area, CCWCD  
(photo by Russell Stroud)

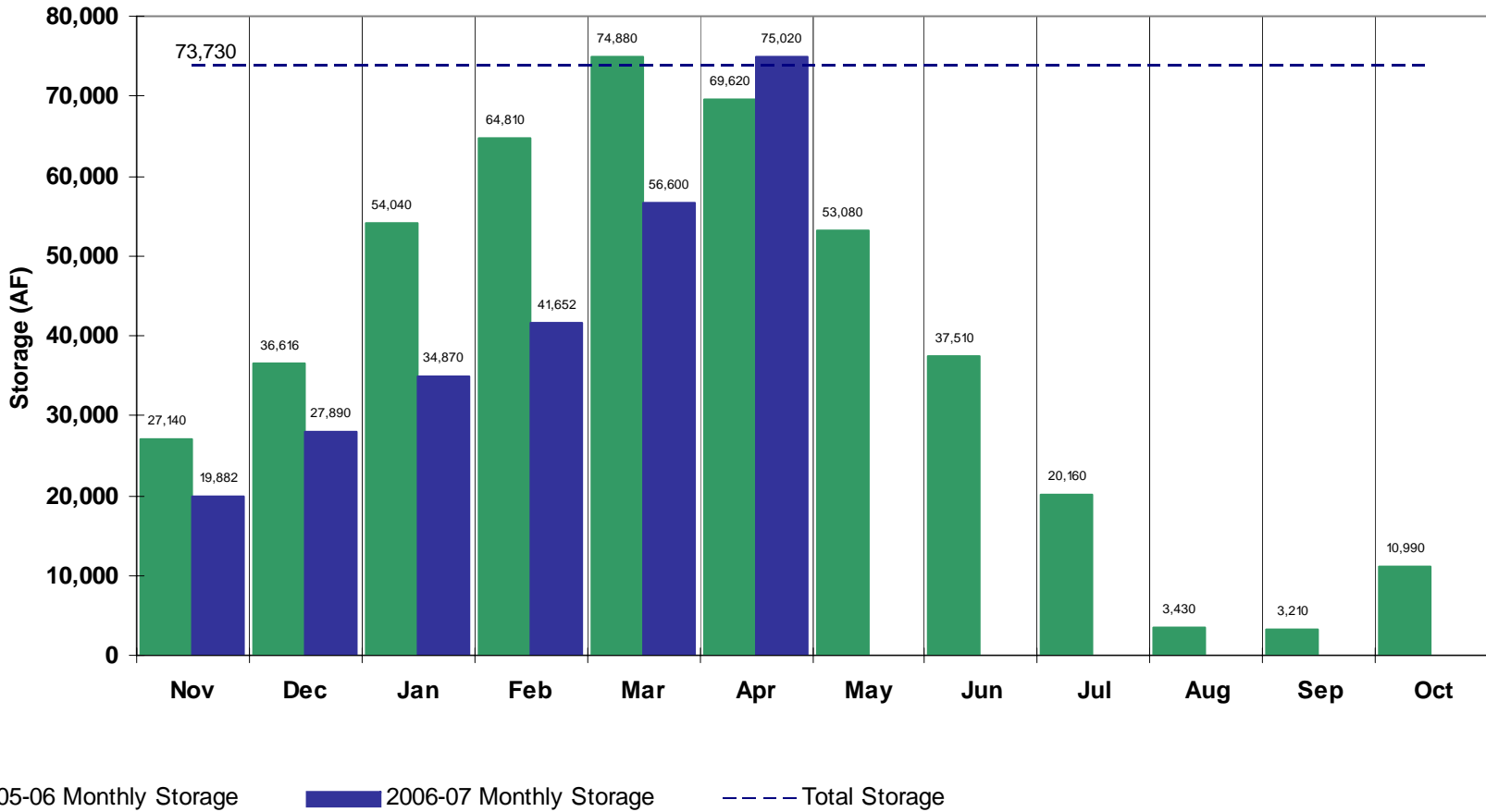
# Julesburg Reservoir

(District 64 - Agricultural)



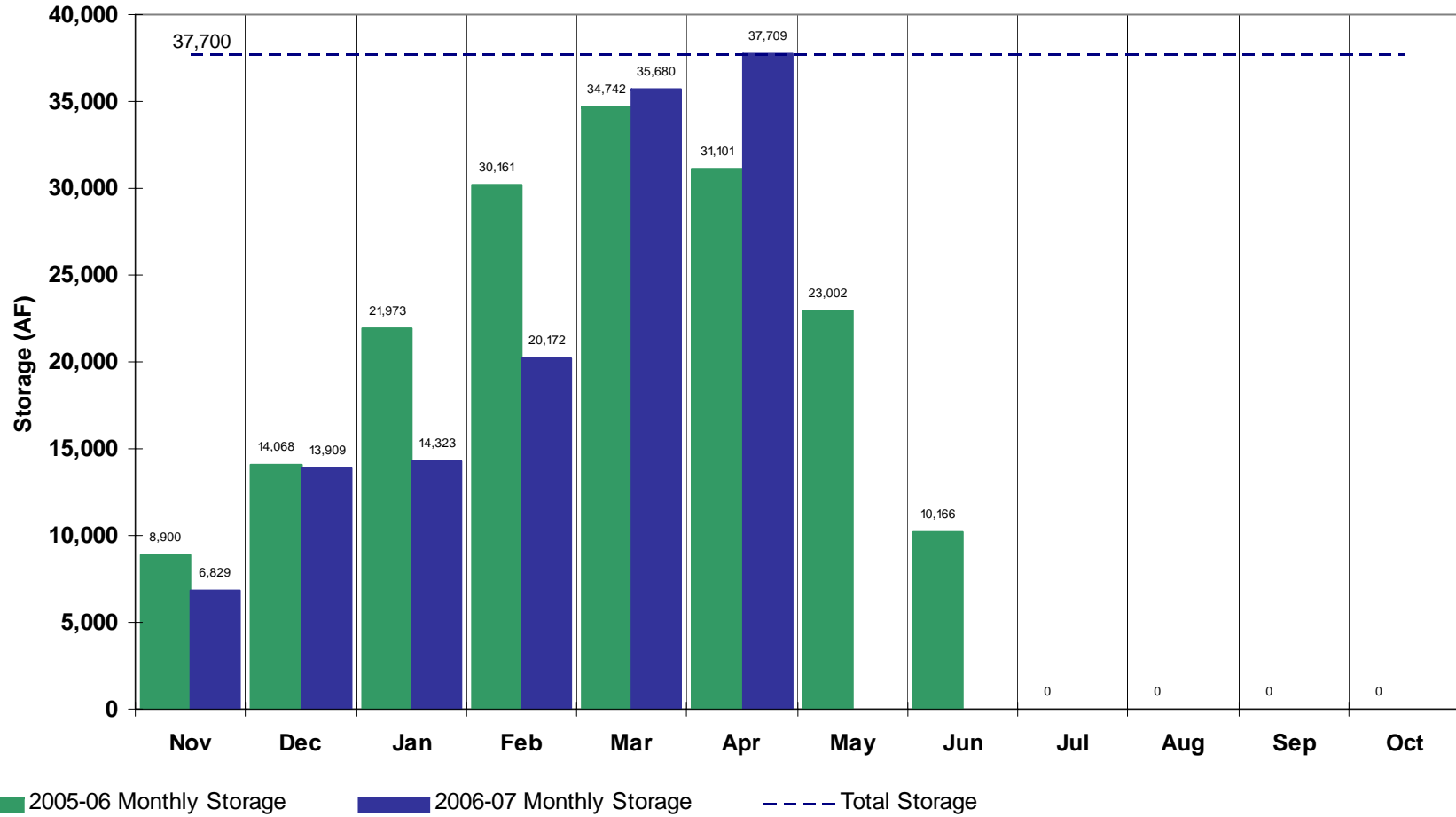
# North Sterling Reservoir

(District 64- Agricultural)



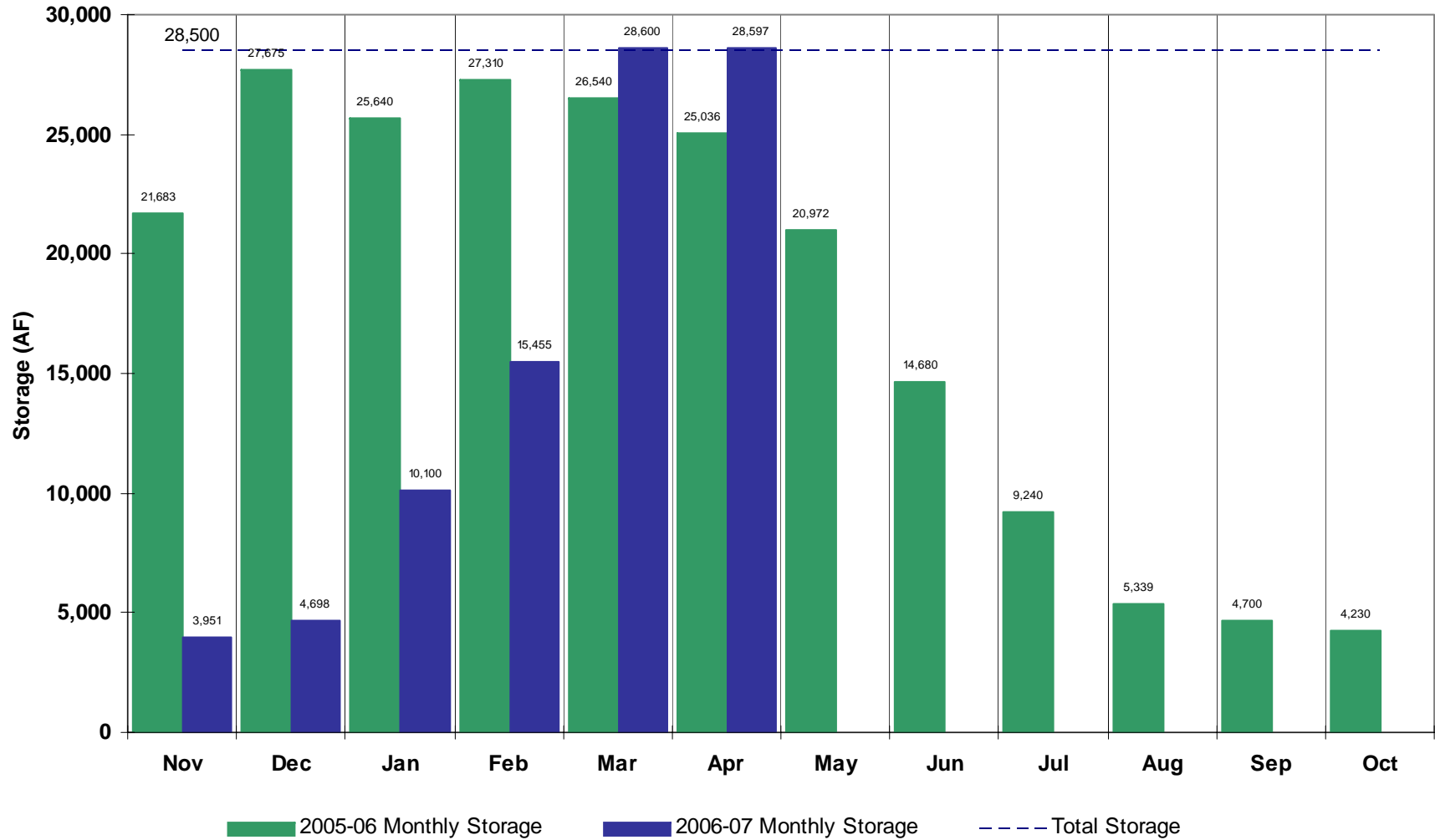
# Empire Reservoir

(District 1- Agricultural)



# Prewitt Reservoir

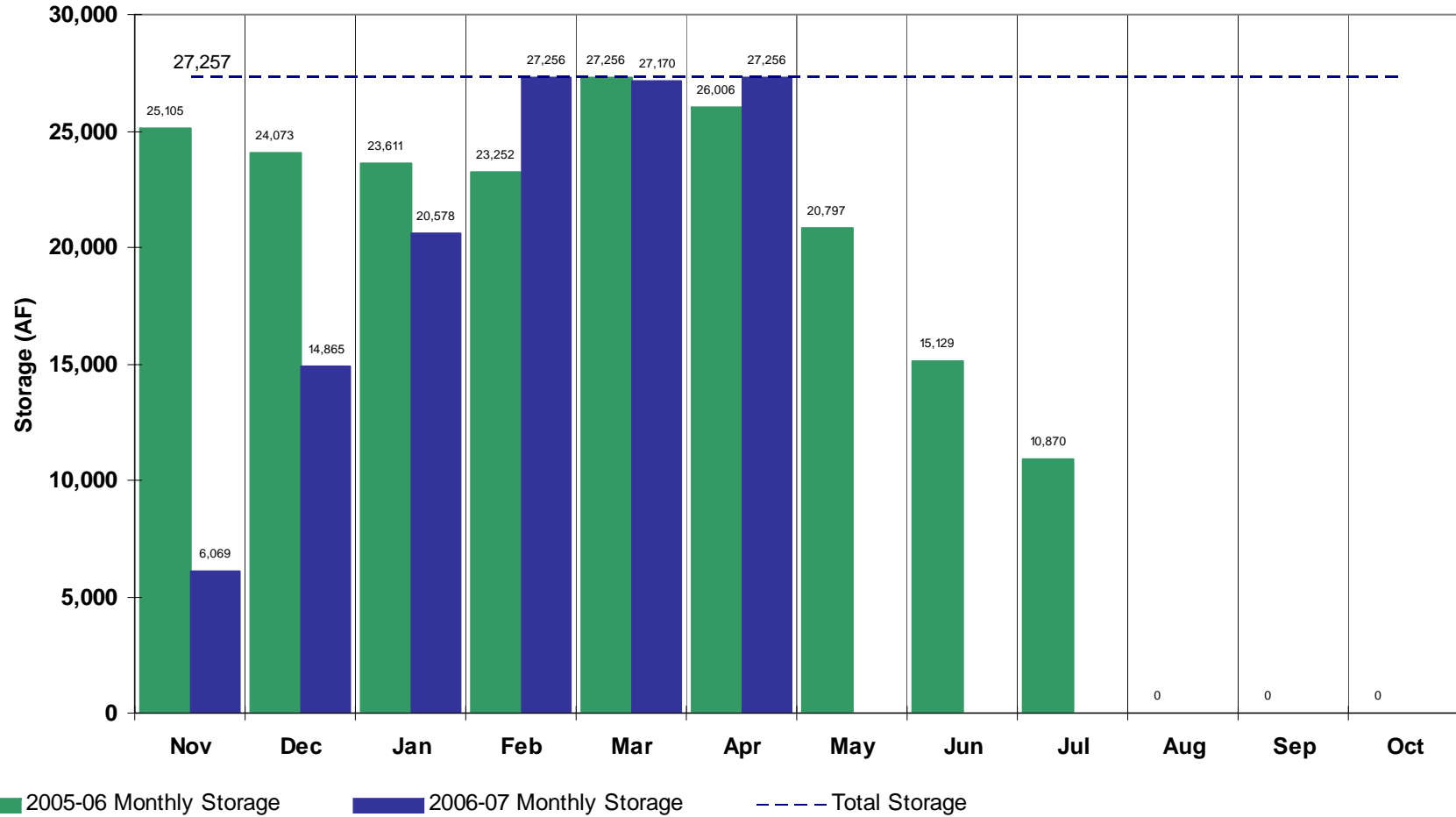
(District 64- Agricultural)





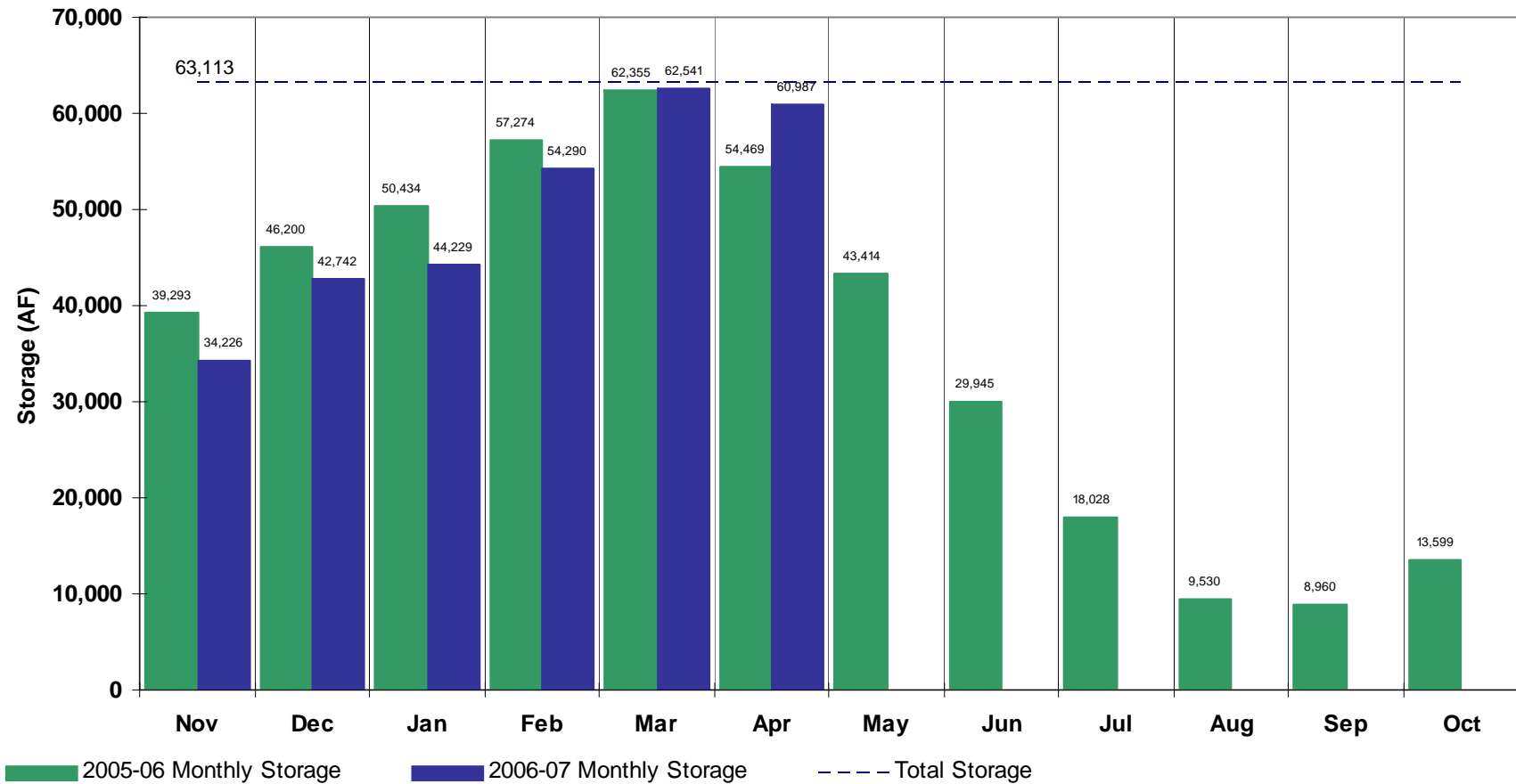
# Jackson Reservoir

(District 1- Agricultural)



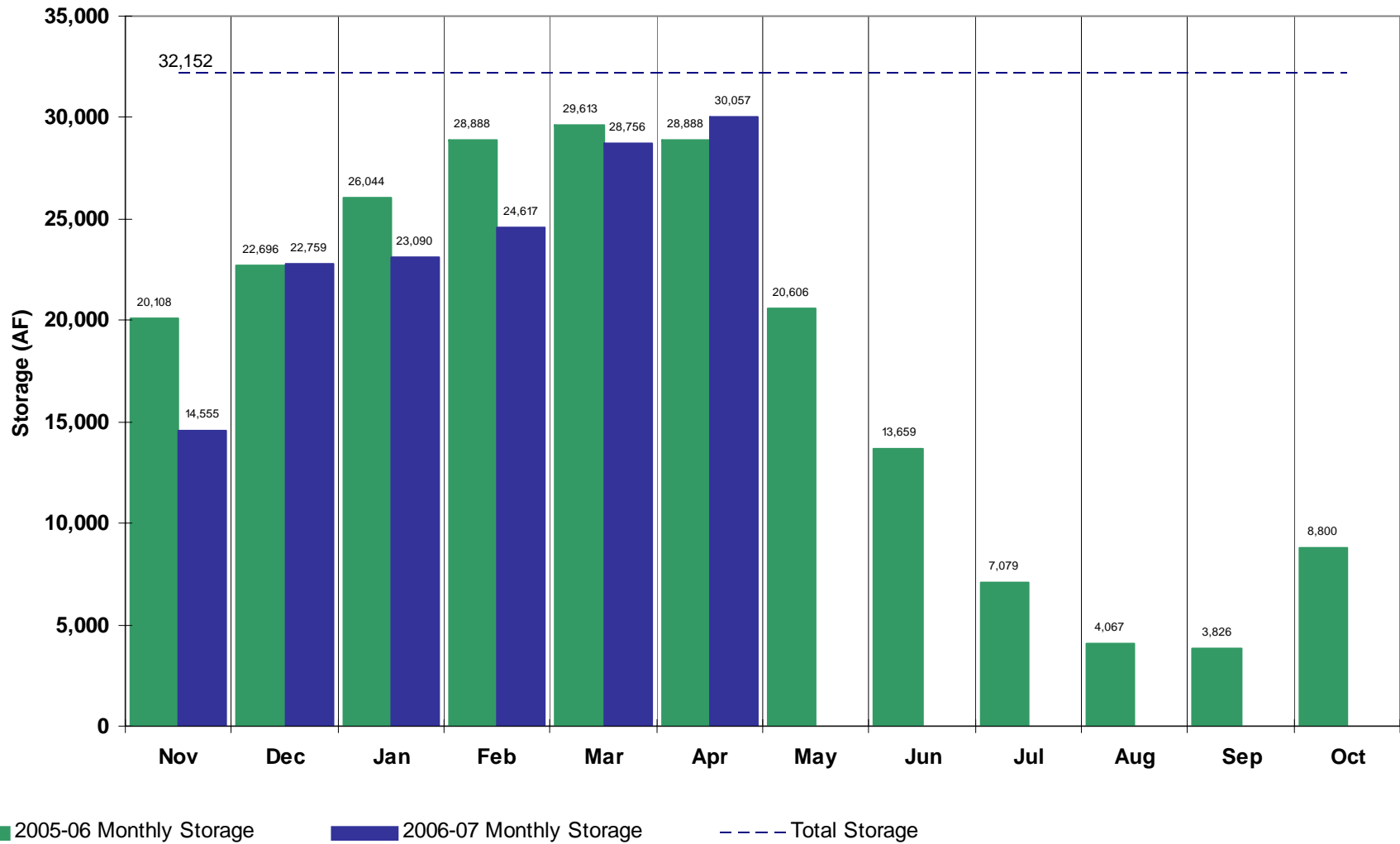
# Riverside Reservoir

(District 1 - Agricultural)



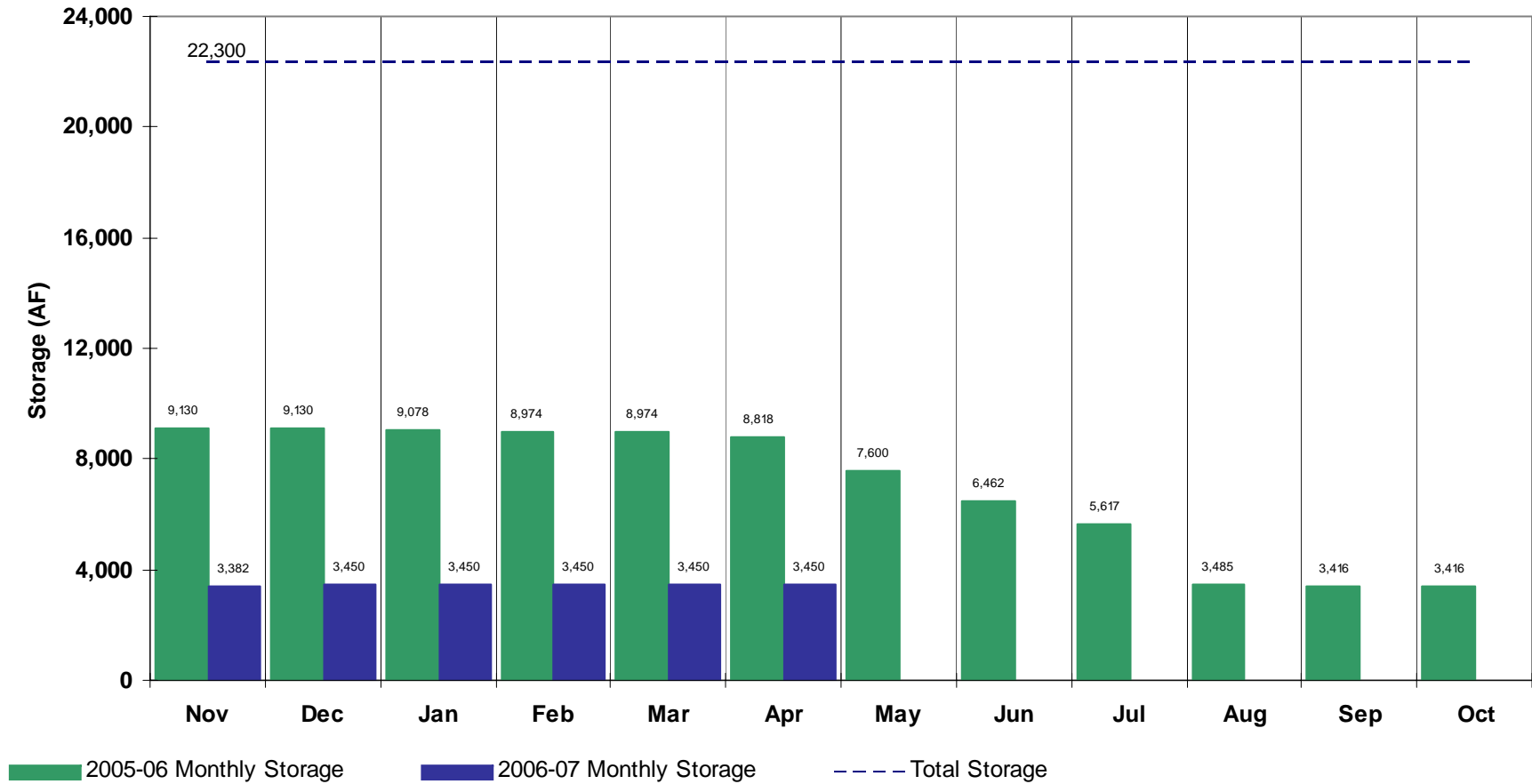
# Barr Lake

(District 2 - Agricultural)



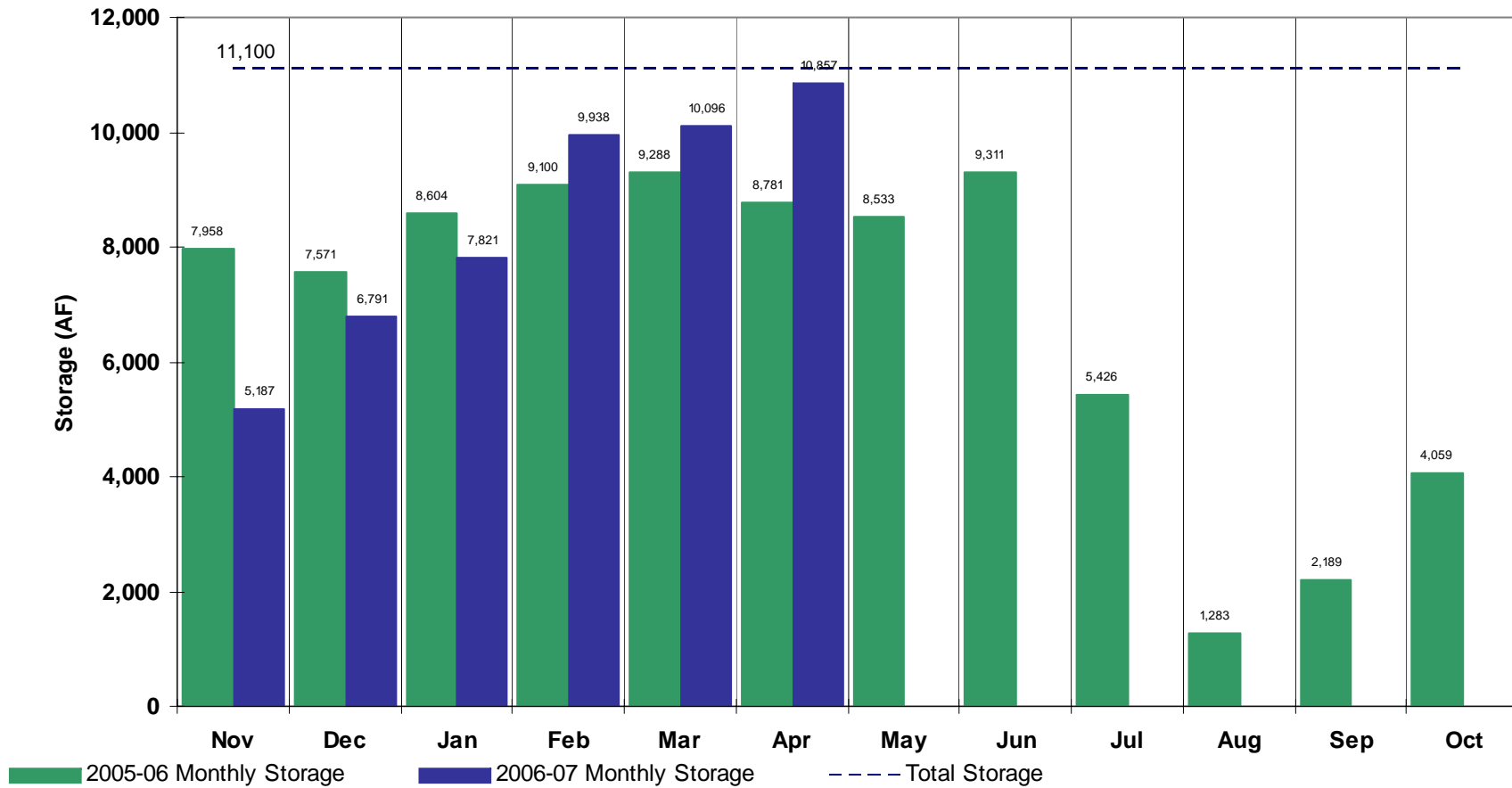
# Cobb Lake

(District 3, Poudre River - Agricultural)



# Fossil Creek Reservoir

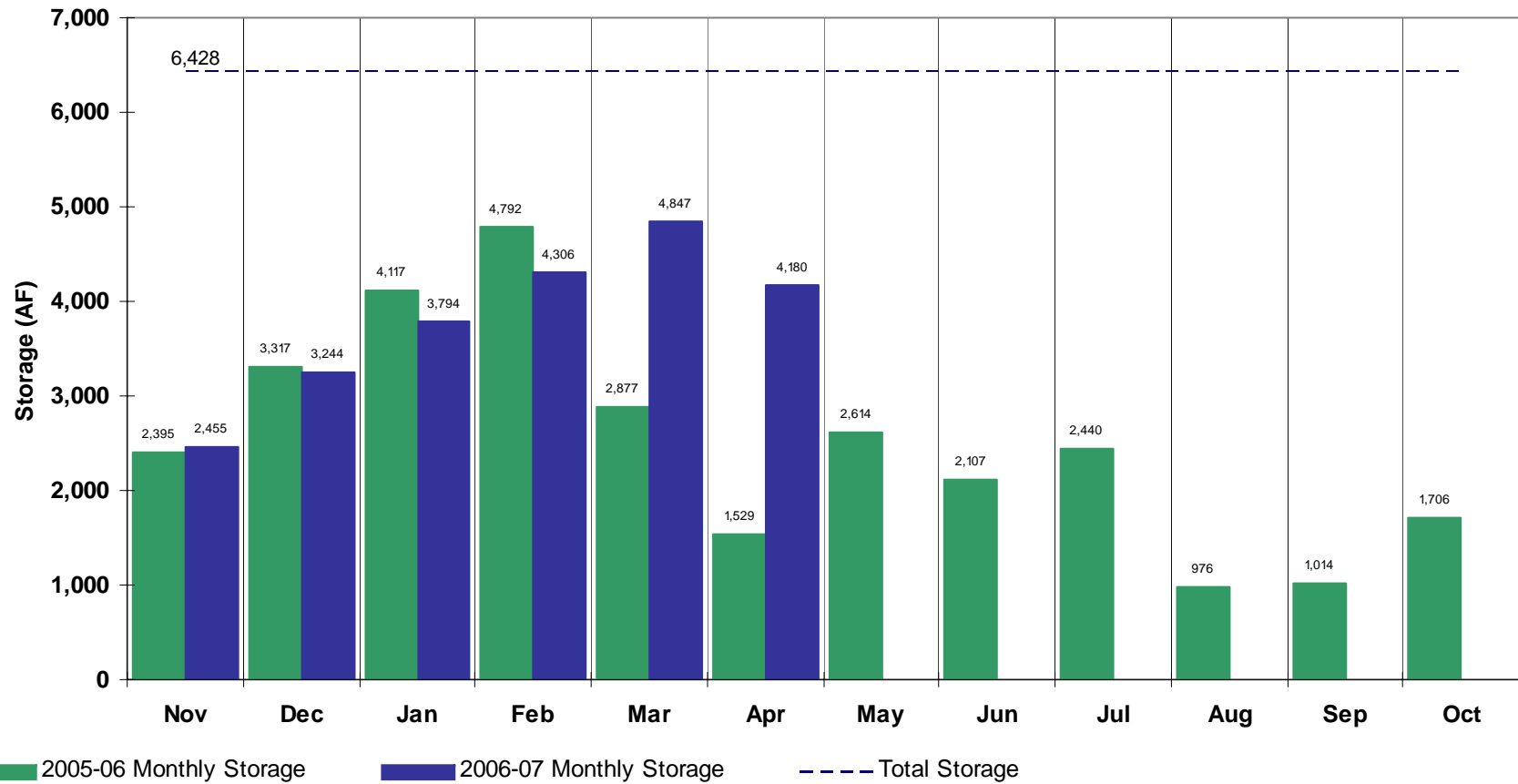
(District 3, Poudre River - Agricultural)





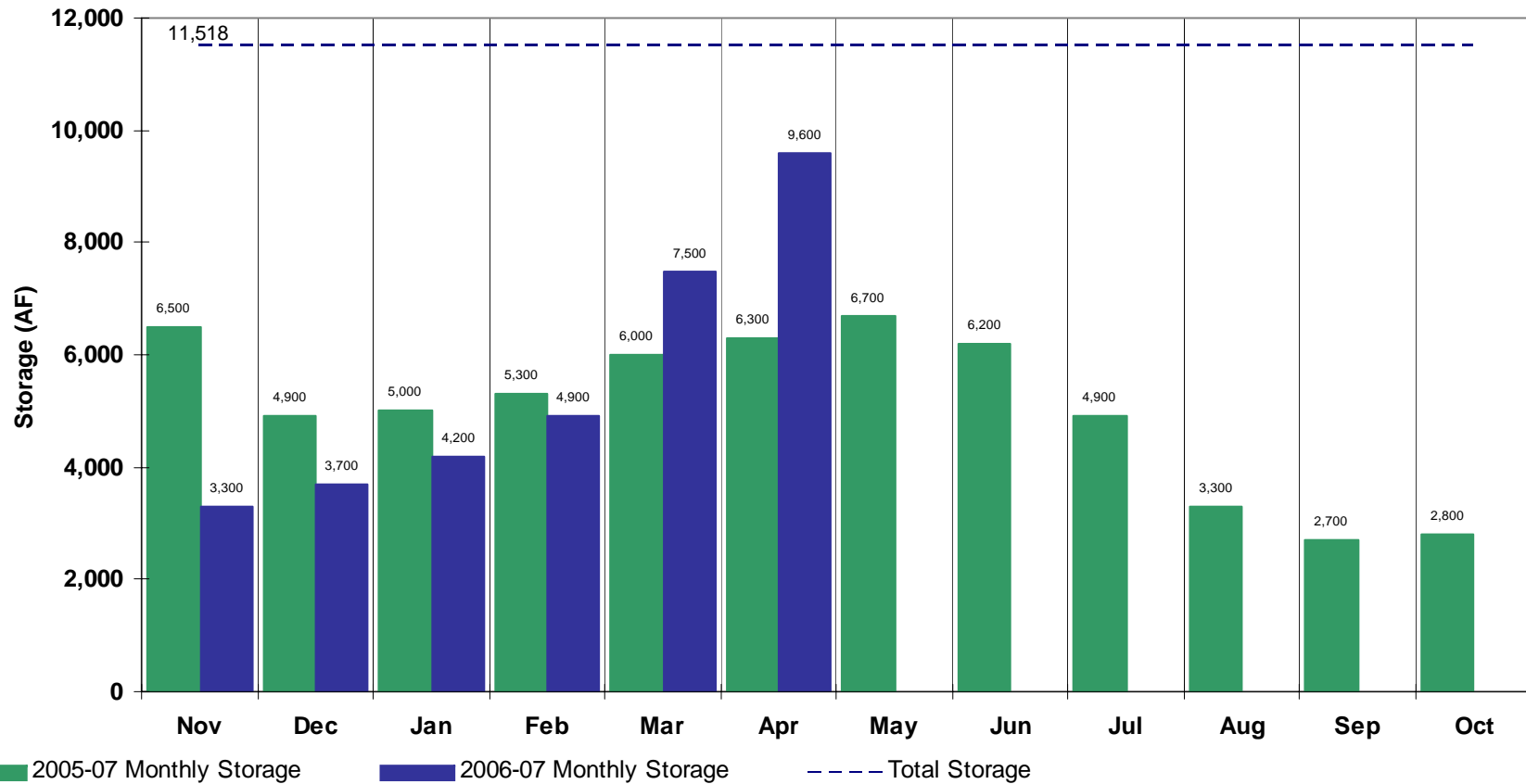
# Halligan Reservoir

(District 3, Poudre River - Agricultural)



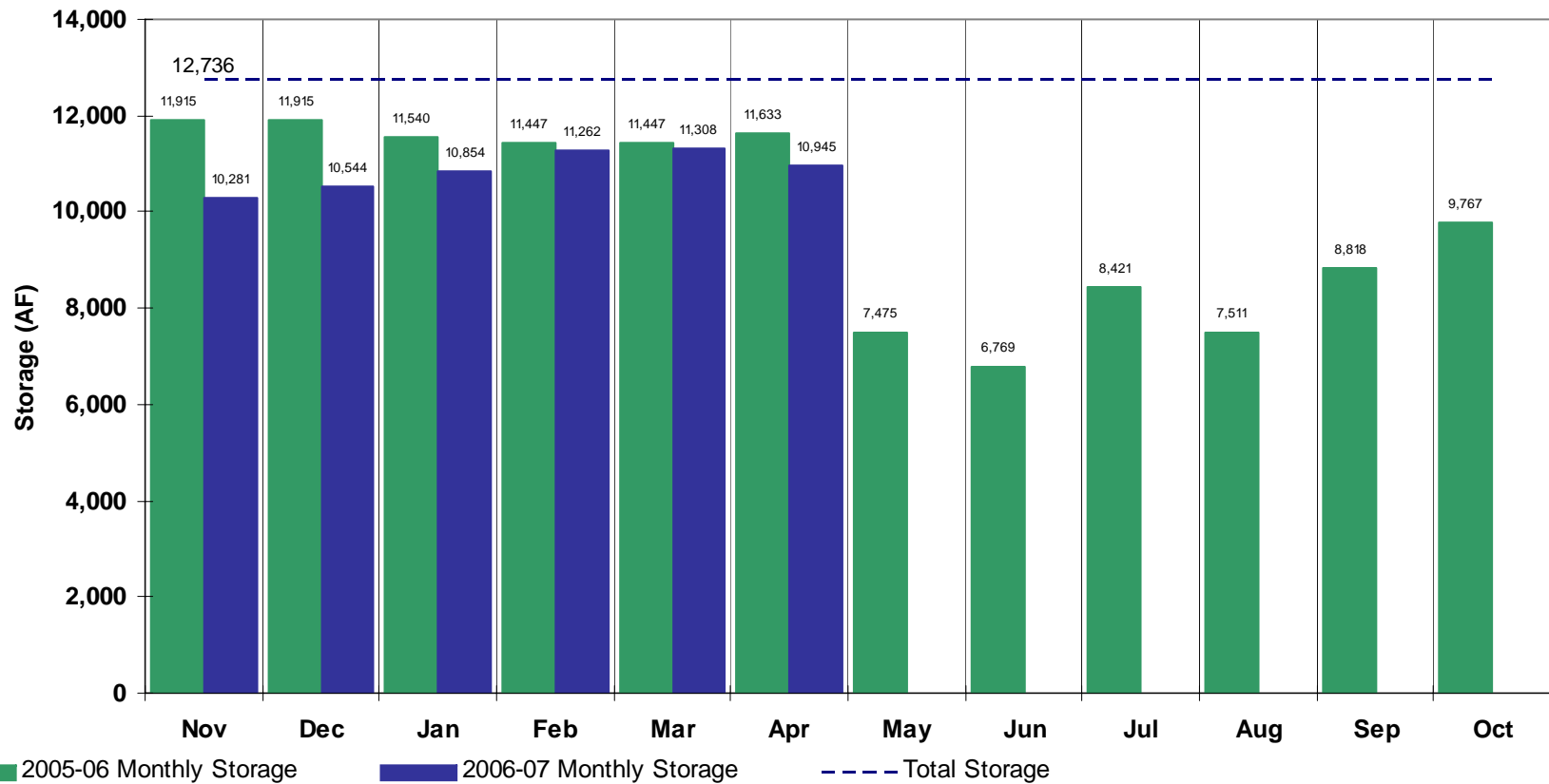
# Marshall Lake

(District 6, Boulder Creek - Agricultural)



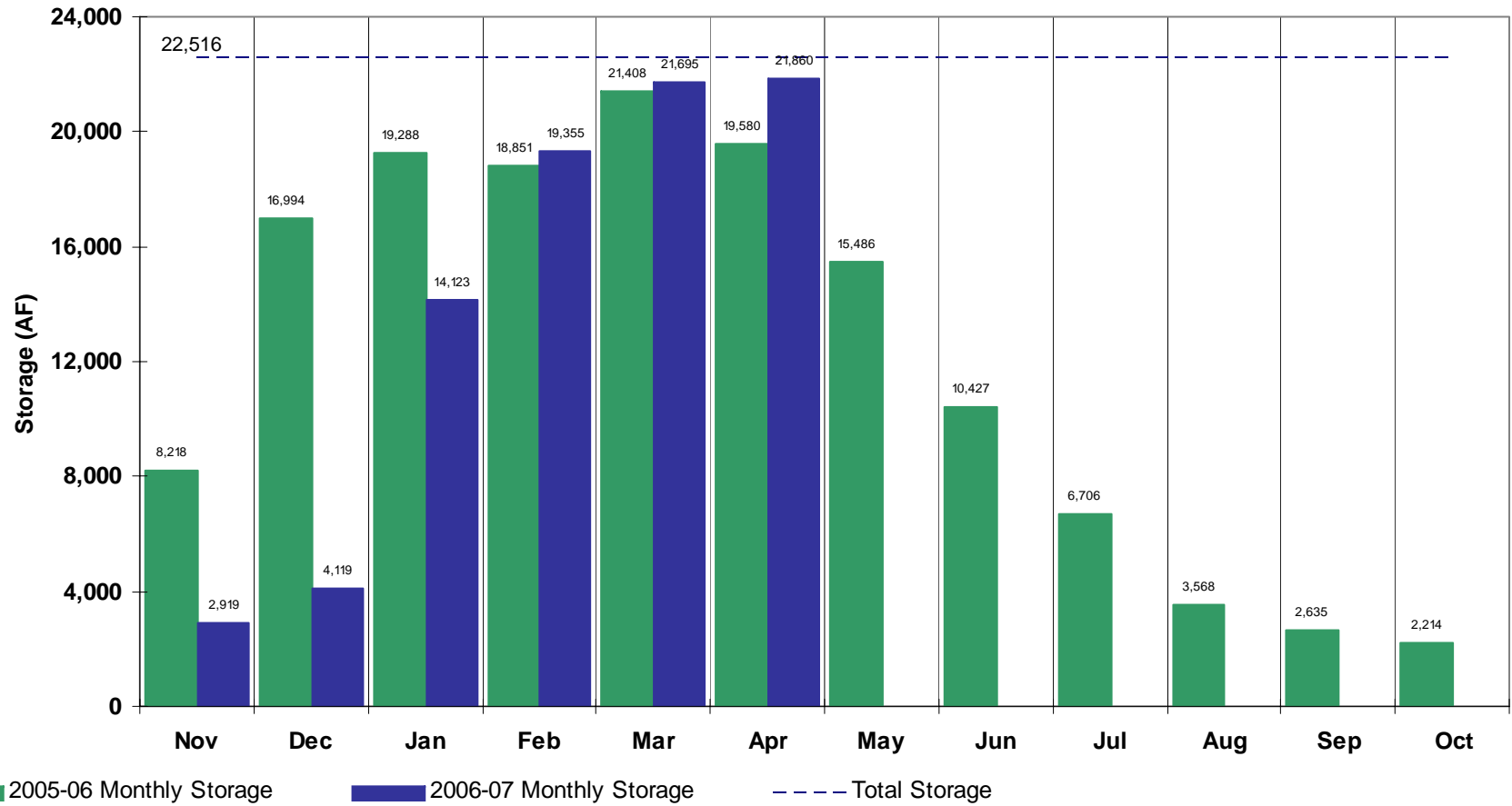
# Loveland Greeley Reservoir

(District 4, Big Thompson River - Agricultural)



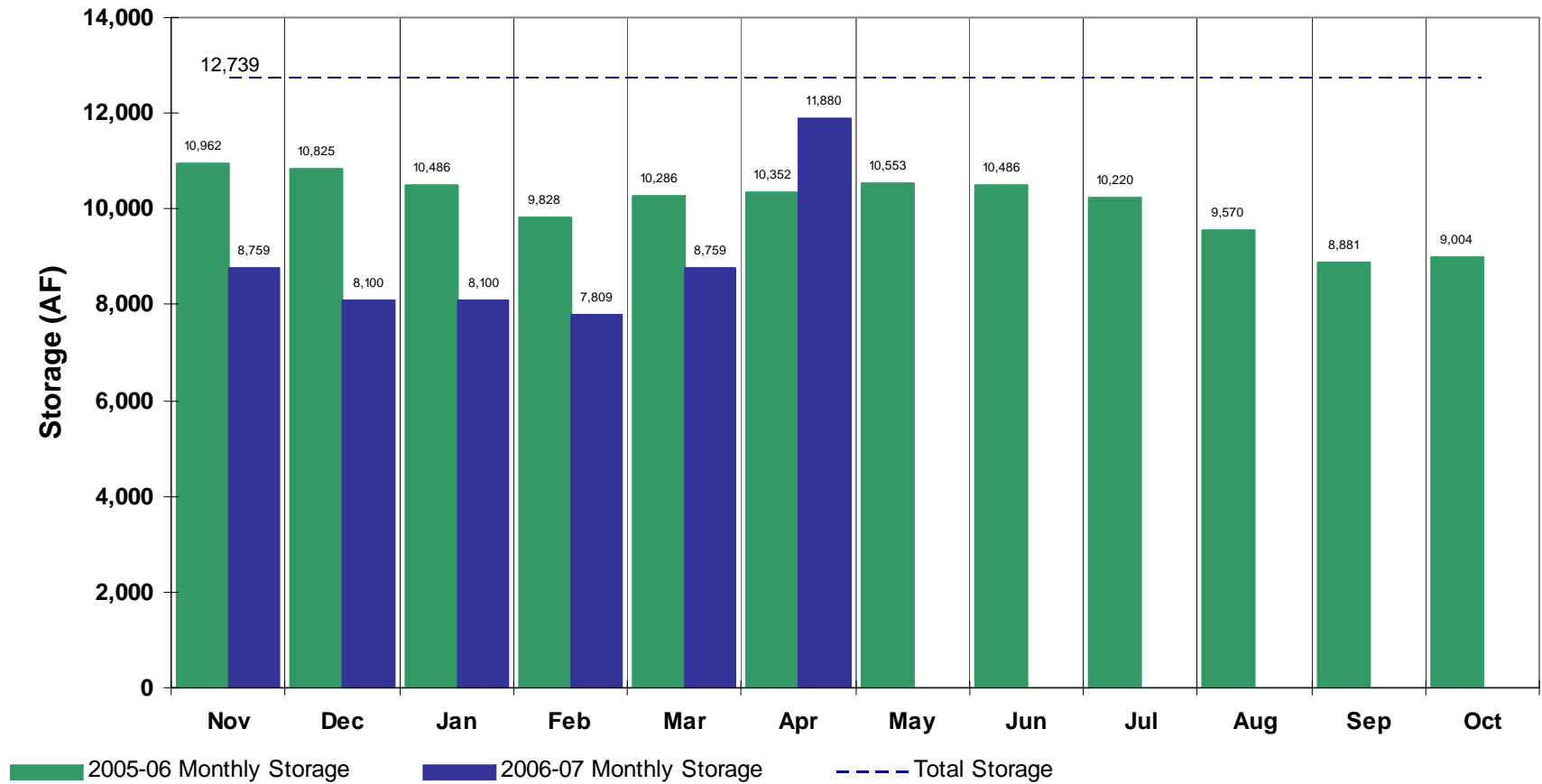
# Milton Reservoir

(District 2 - Agricultural)



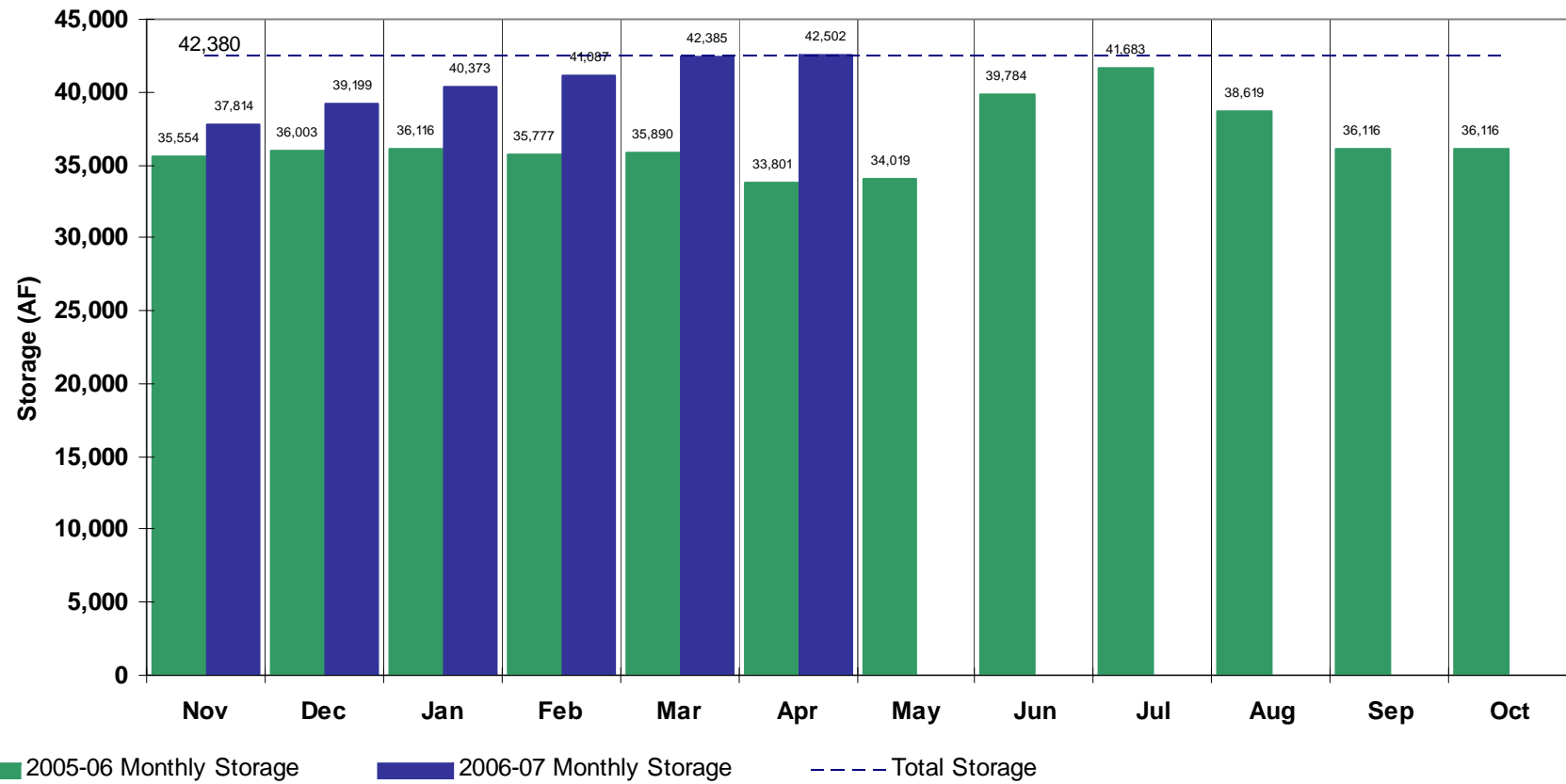
# Union Reservoir

(District 5, St. Vrain Creek - Agricultural)



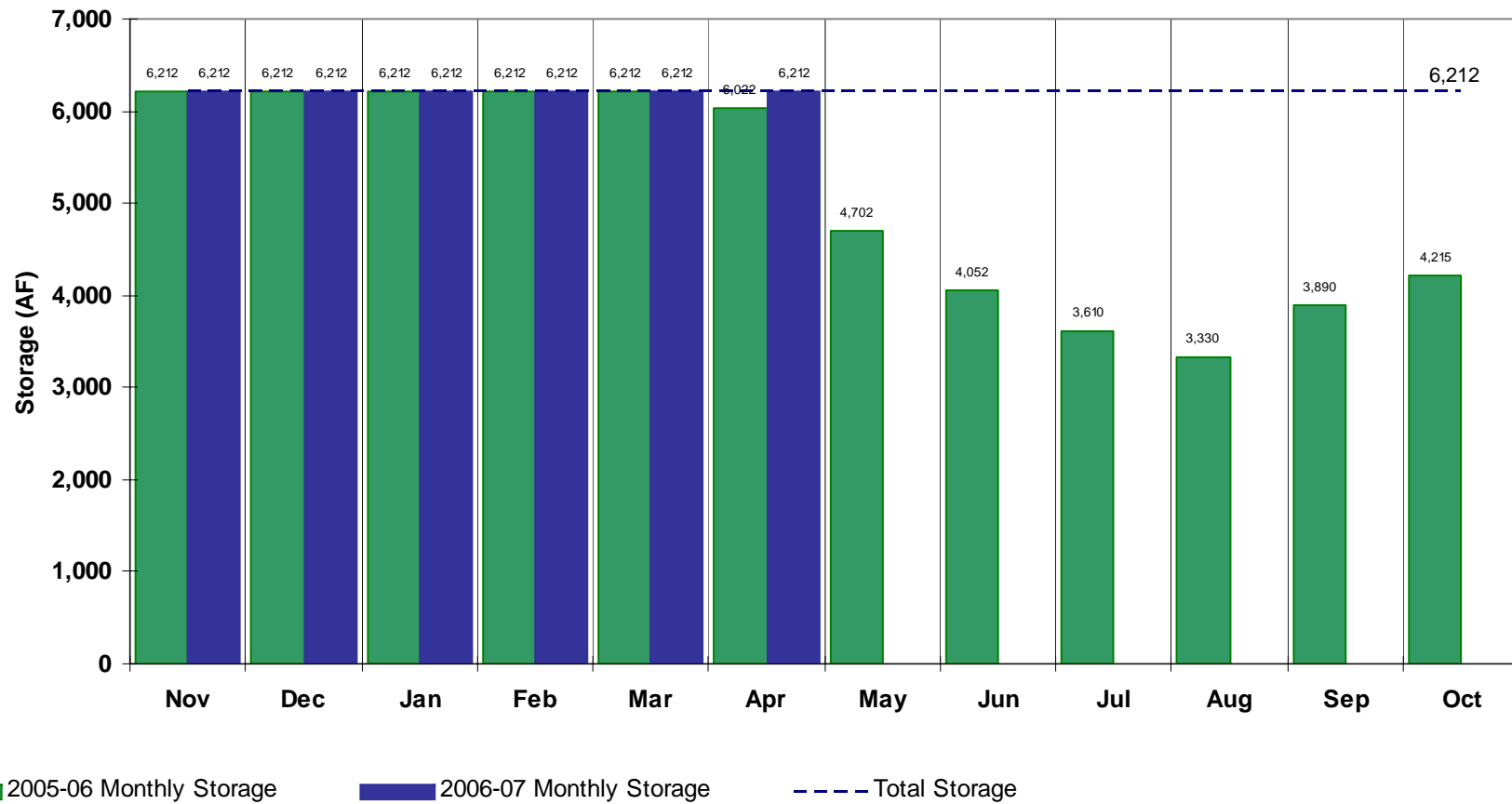


# Standley Lake (Agricultural)



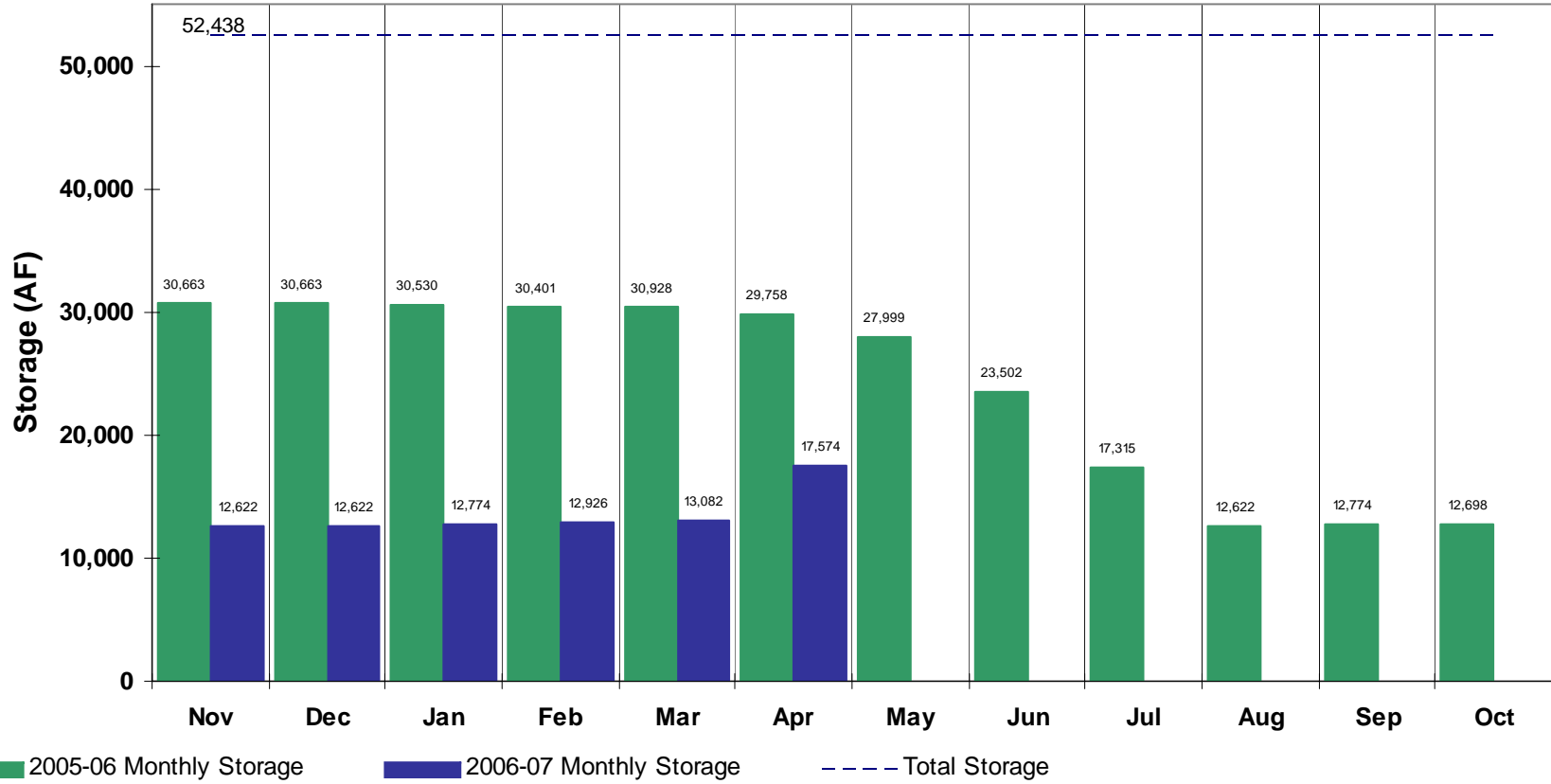
# Lower Latham Reservoir

## (District 2 - Agricultural)



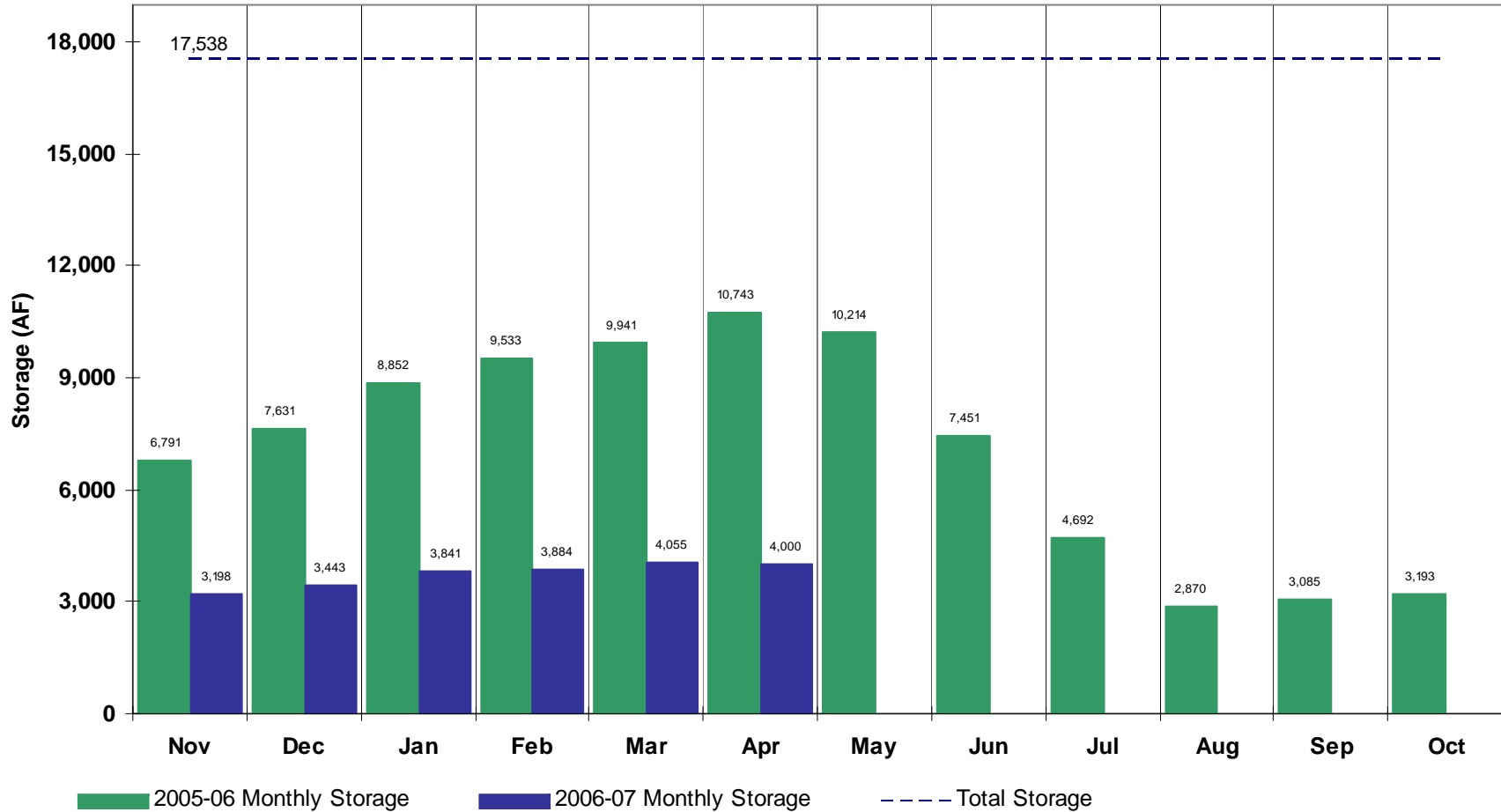
# Boyd Lake

(District 4, Big Thompson River - Agricultural)



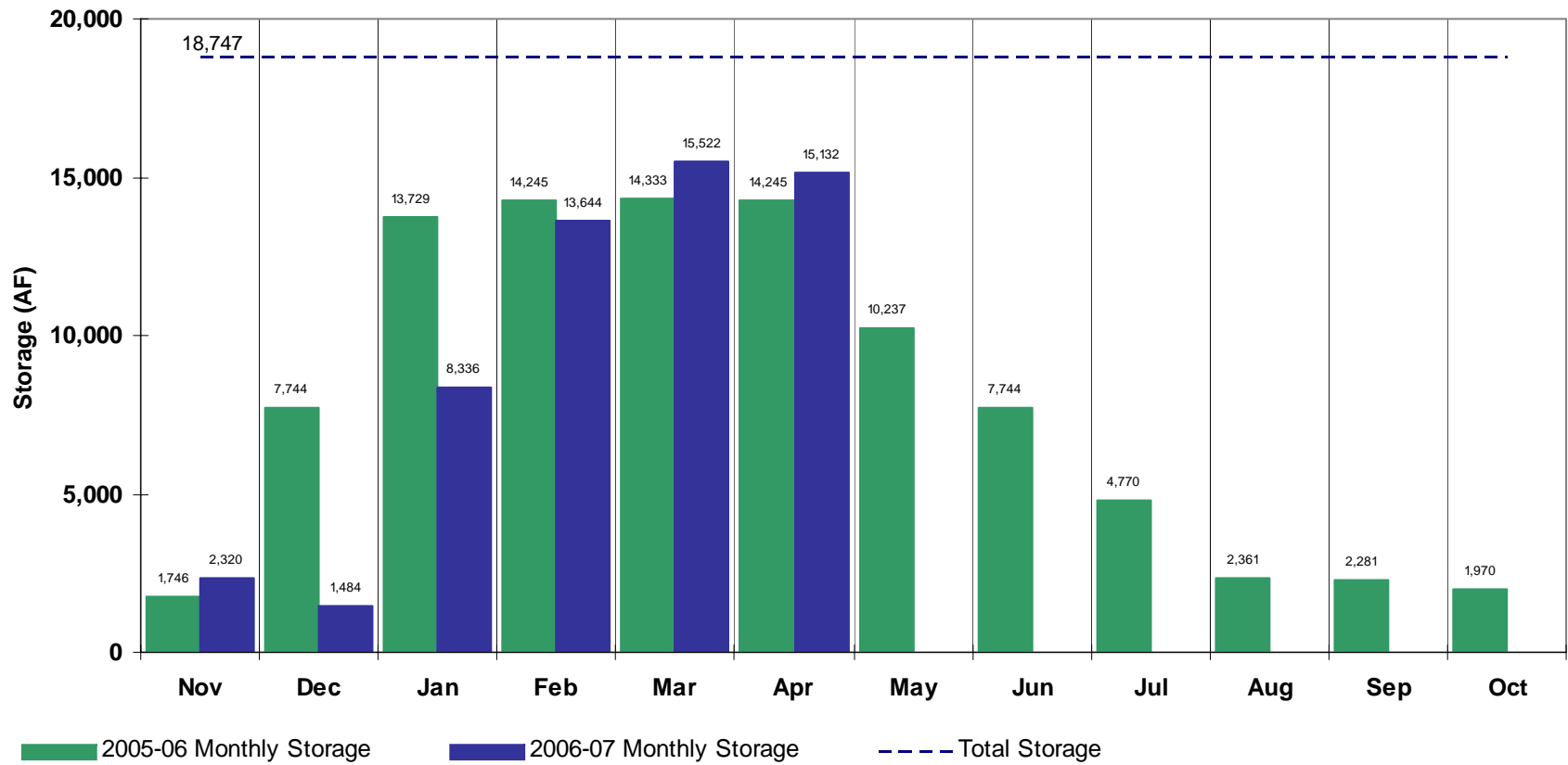
# Windsor Reservoir

(District 3, Poudre River - Agricultural)



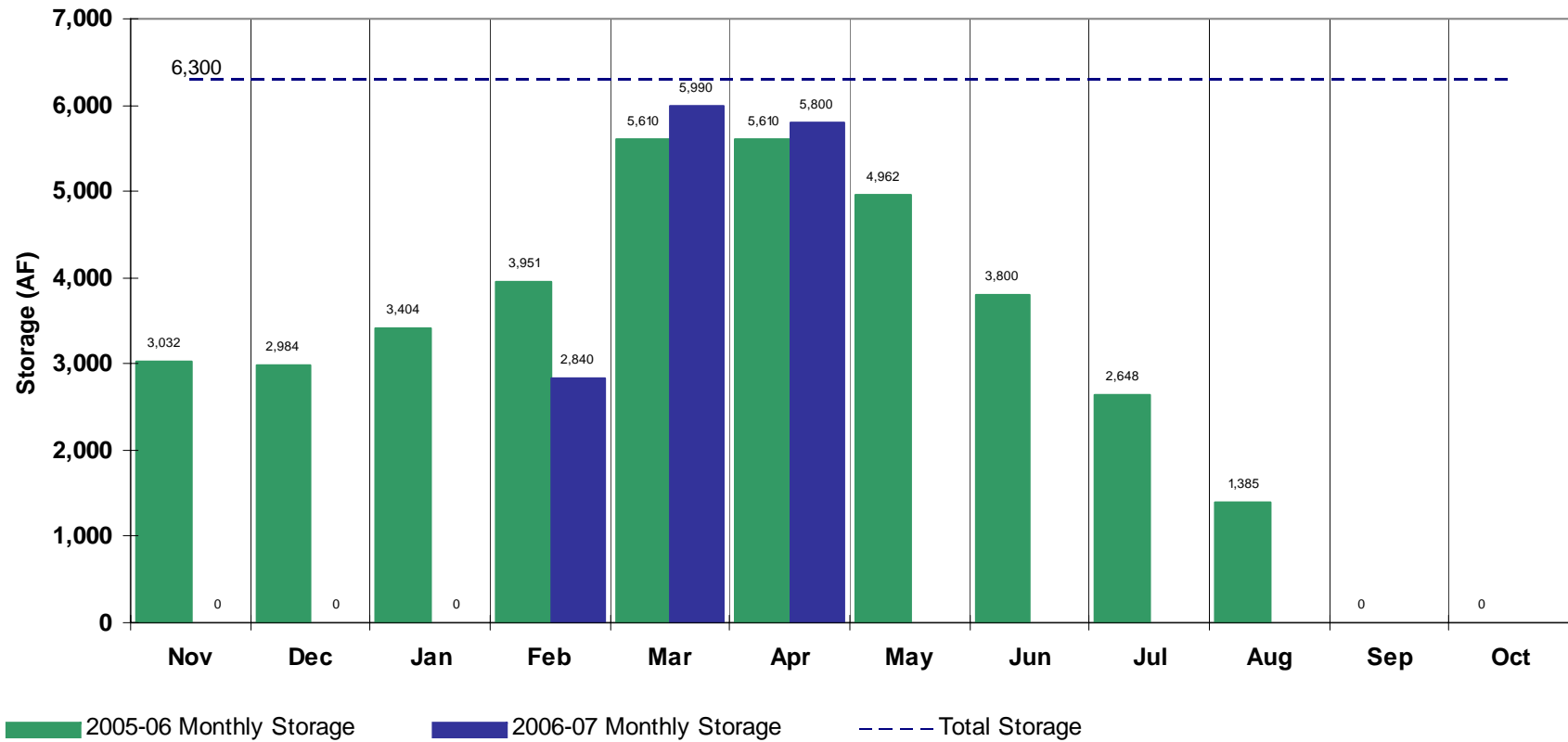
# Horse Creek Reservoir

(District 1 - Agricultural)



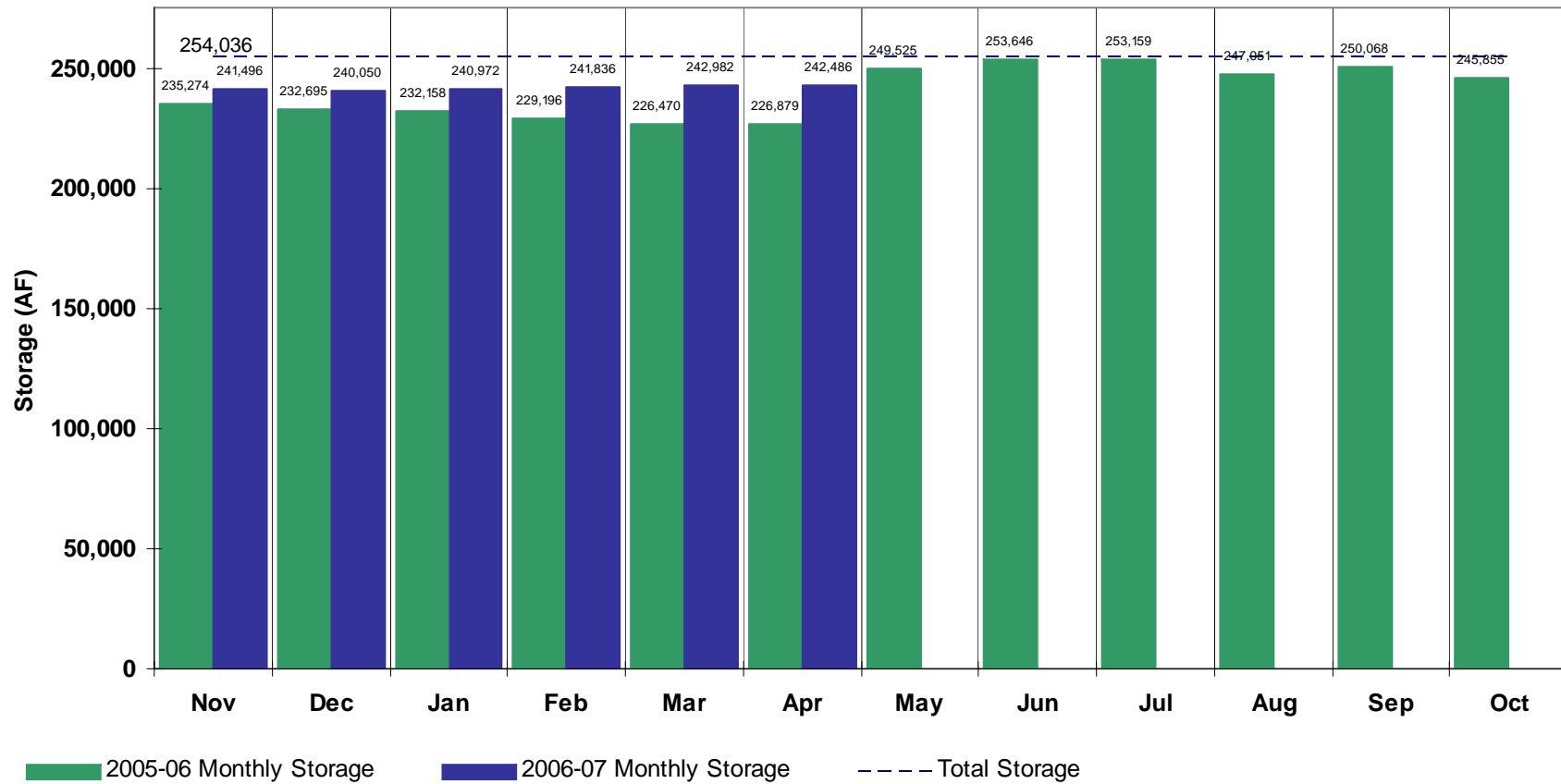
# Prospect Reservoir

(District 1- Agricultural)



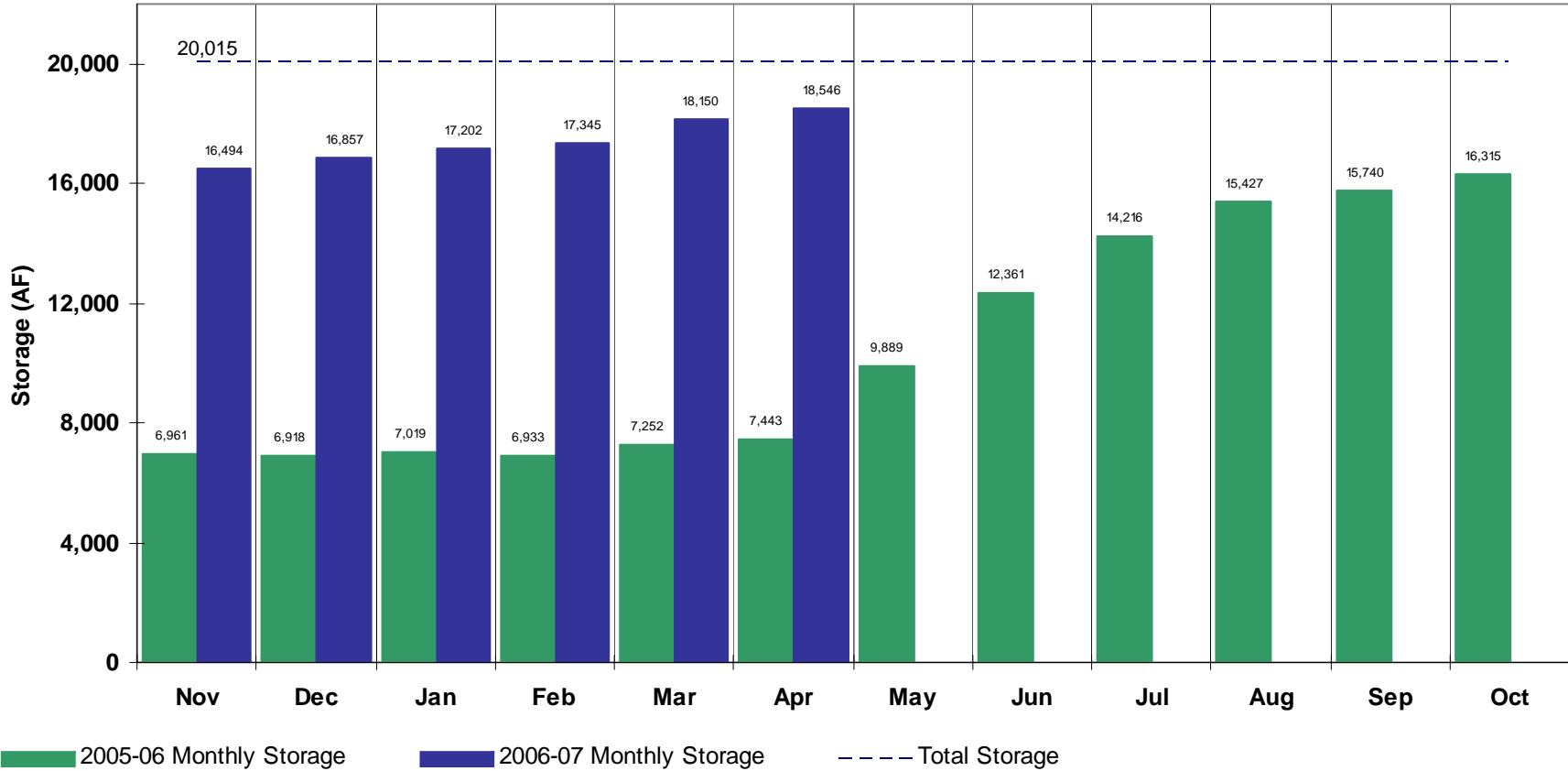
# Dillon Reservoir

(Municipal)



# Antero Reservoir

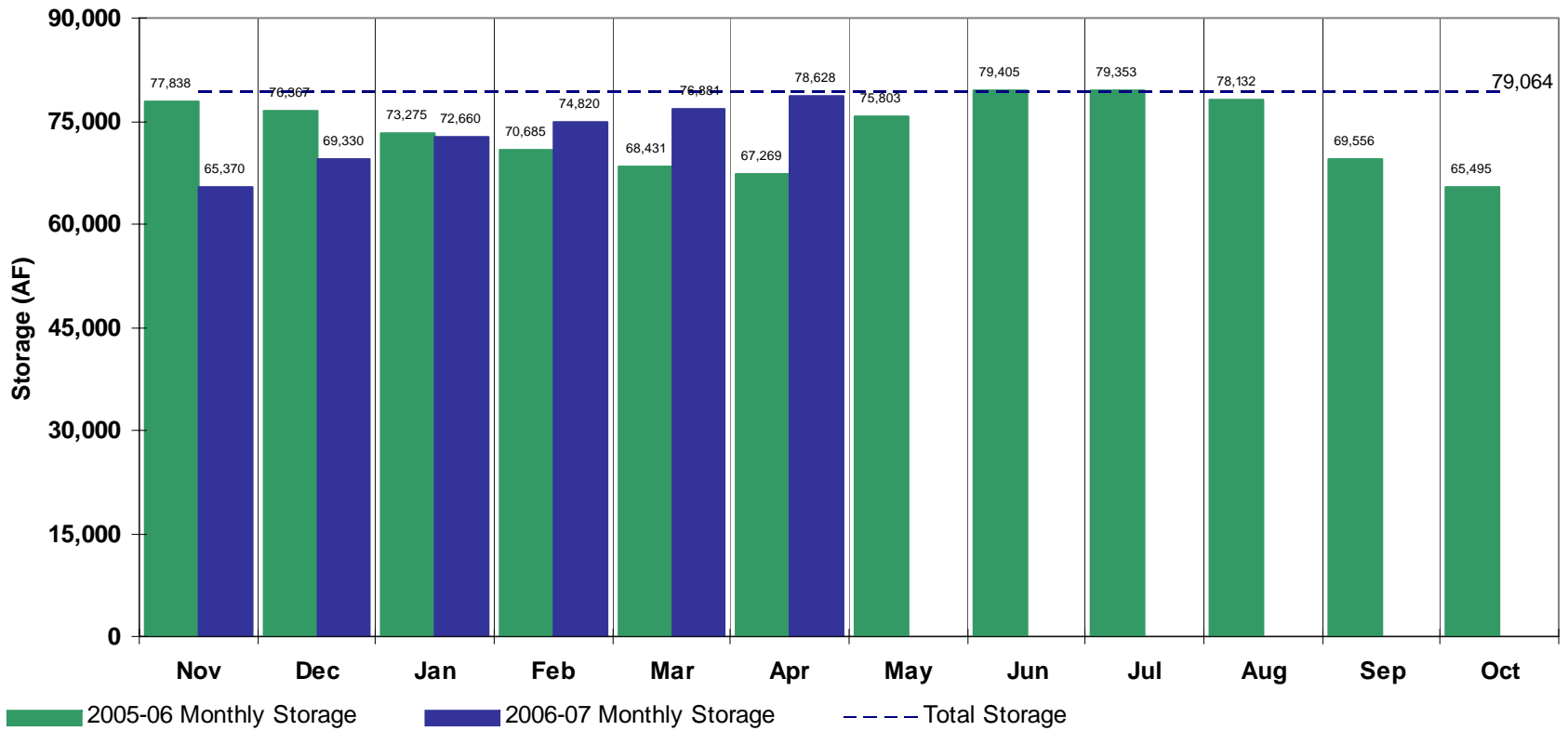
(District 23 - Municipal)





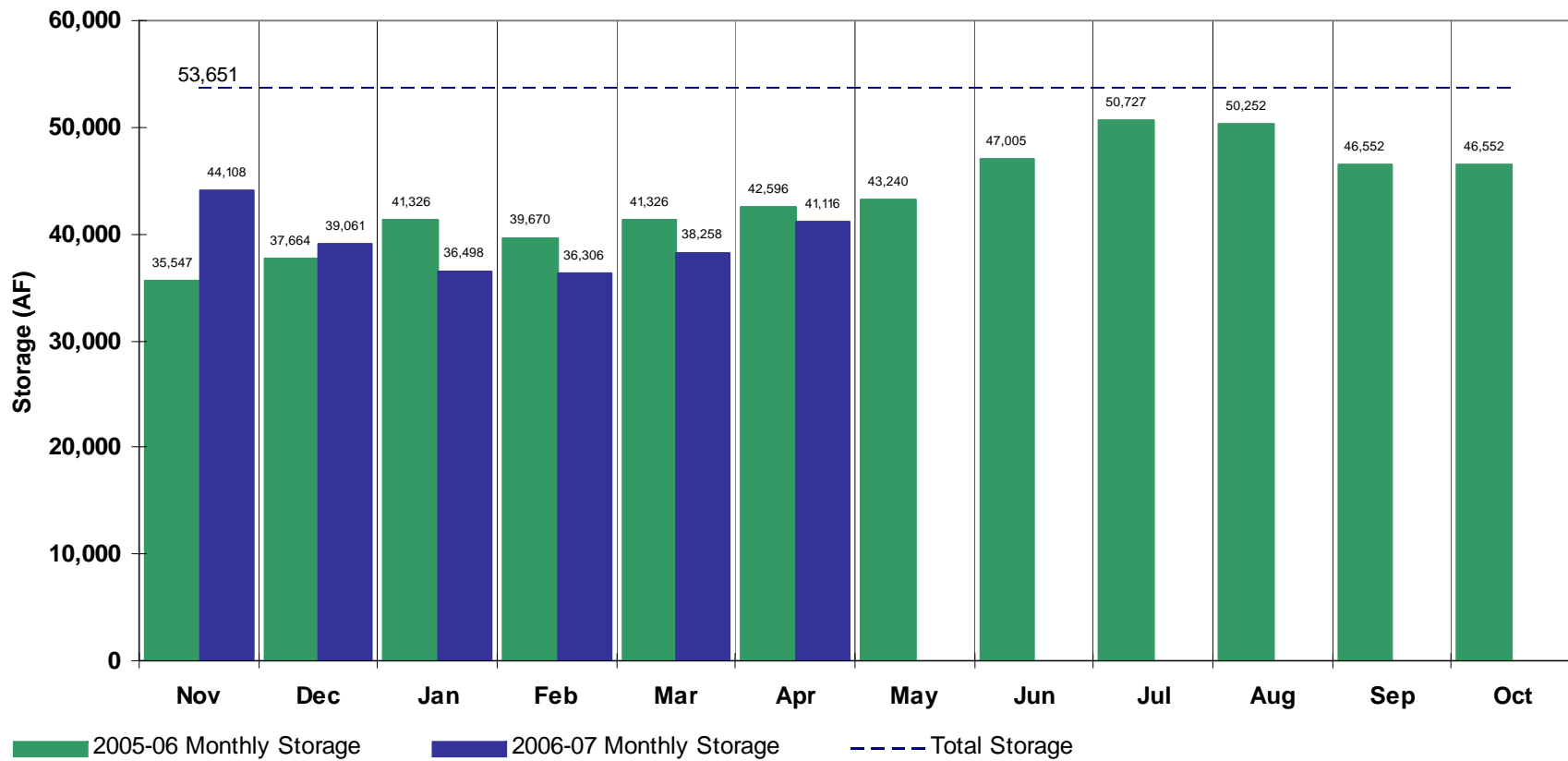
# Cheesman Reservoir

(District 80 - Municipal)



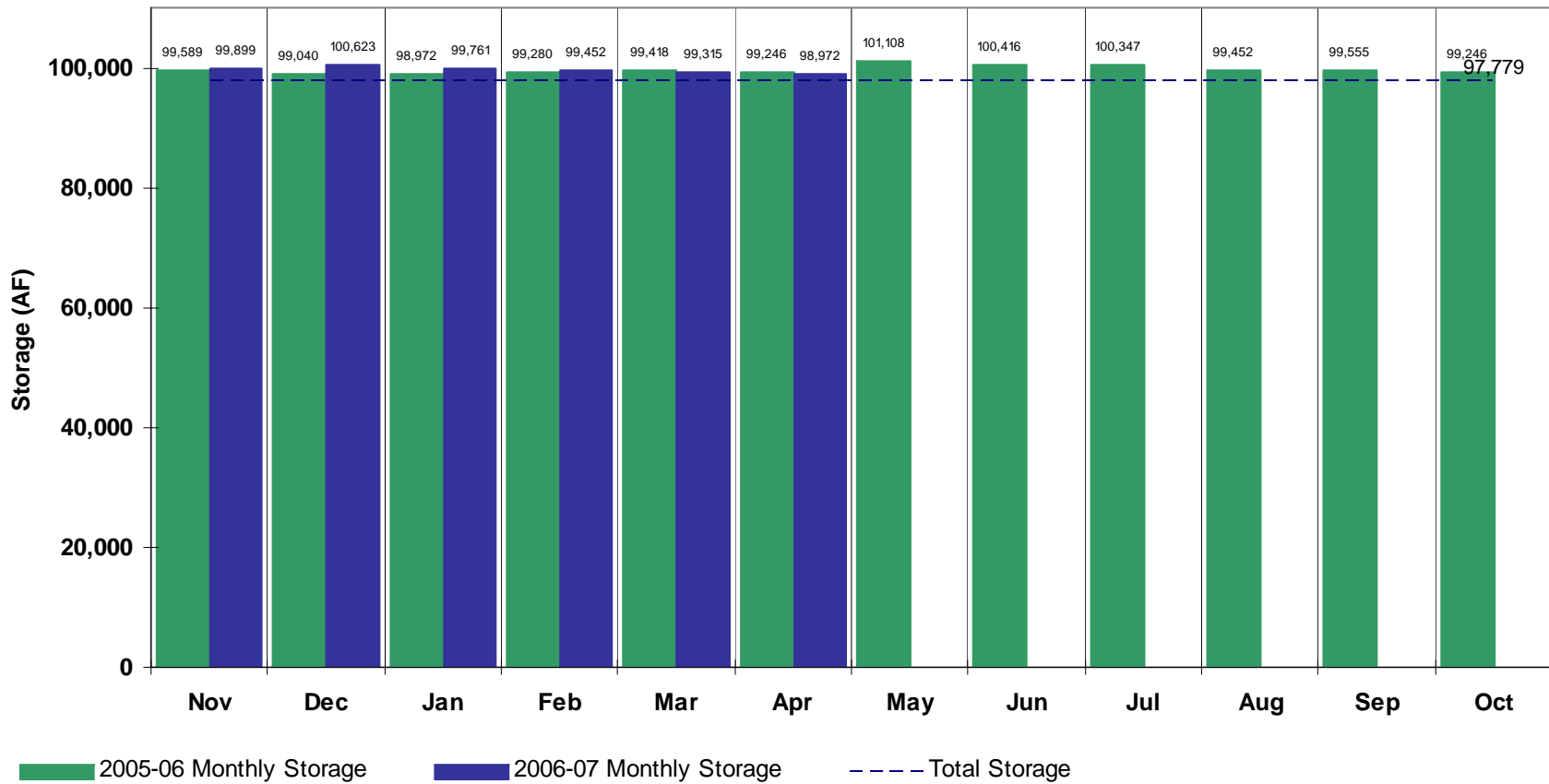
# Spinney Mountain Reservoir

(District 23 - Municipal)

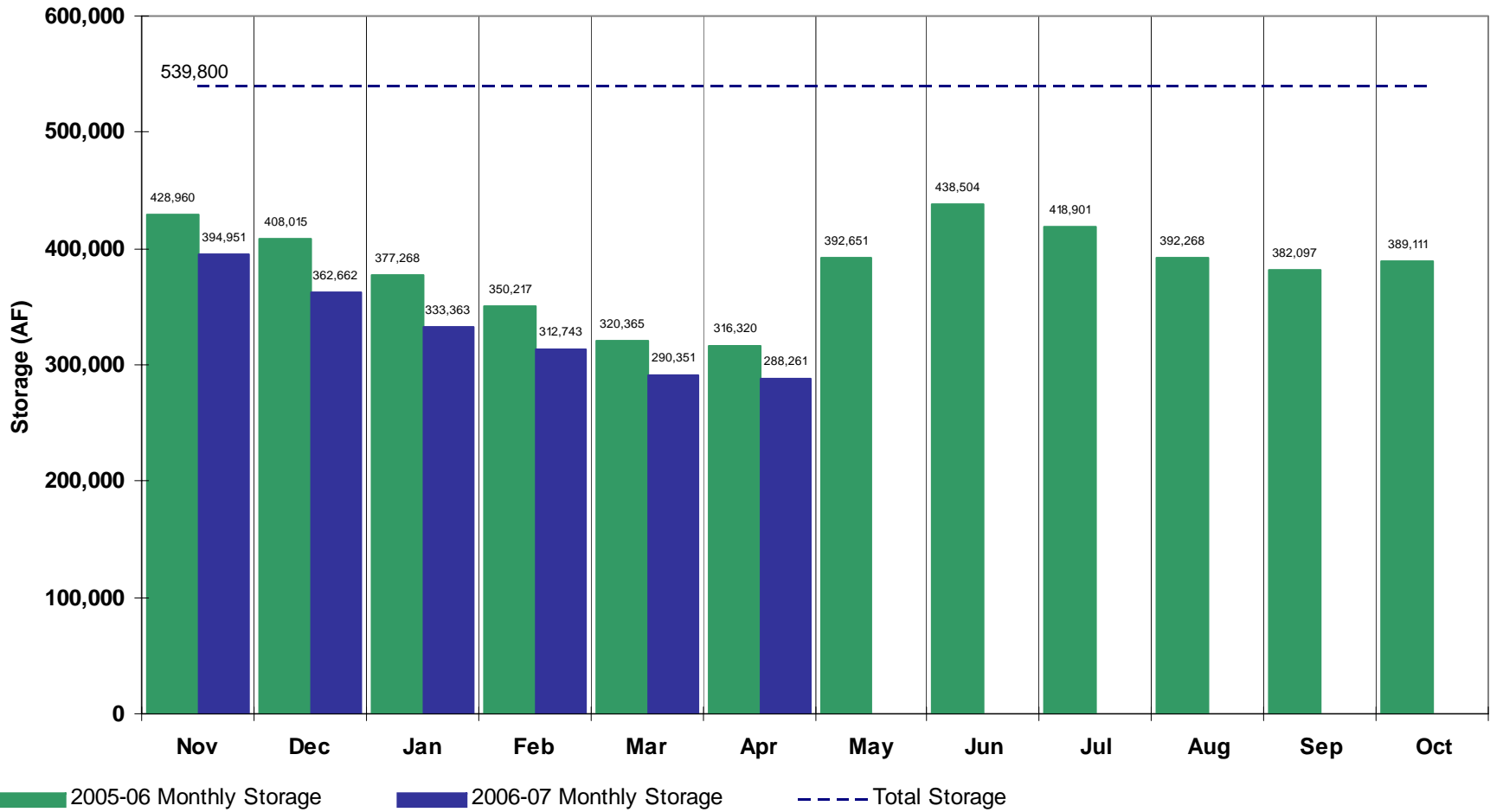


# Eleven Mile Reservoir

(District 23 - Municipal)



# Lake Granby



Flooding from the South Platte near Ft. Lupton  
(Photo by Bob Stahl)



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