

# South Platte Summary

November 2007

By Jana Ash



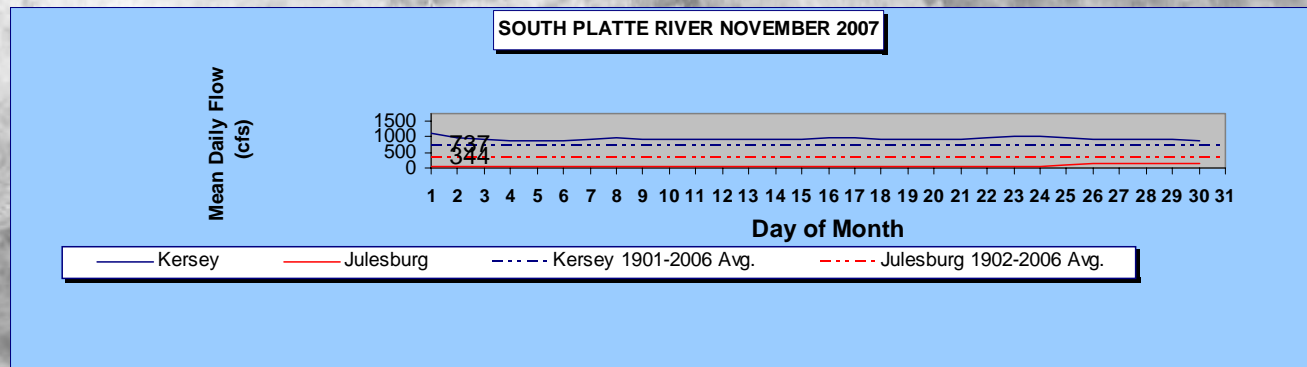
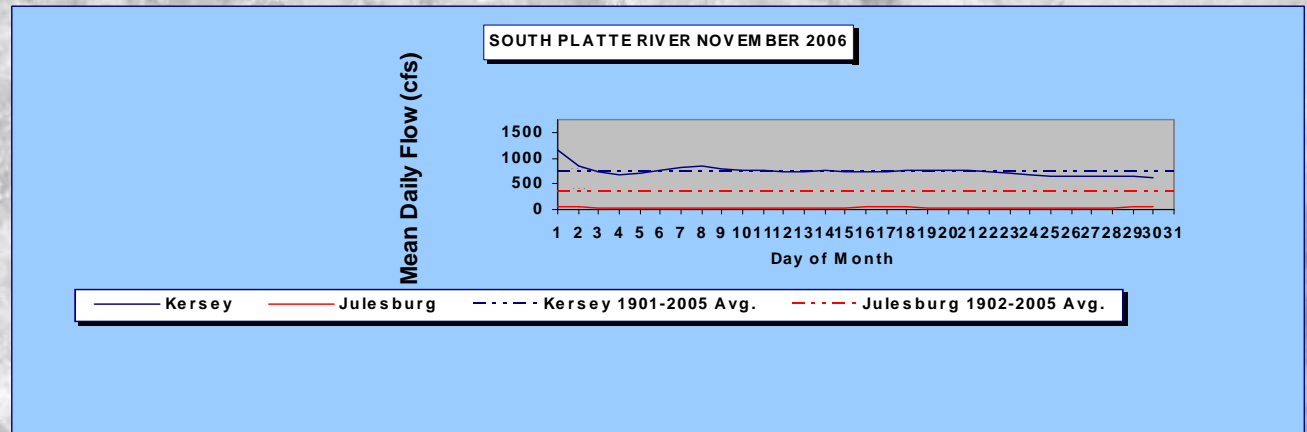
View Upstream from  
Denver Gage cross section  
(Photo by Jana Ash)

# COLORADO DIVISION OF WATER RESOURCES, DIVISION 1

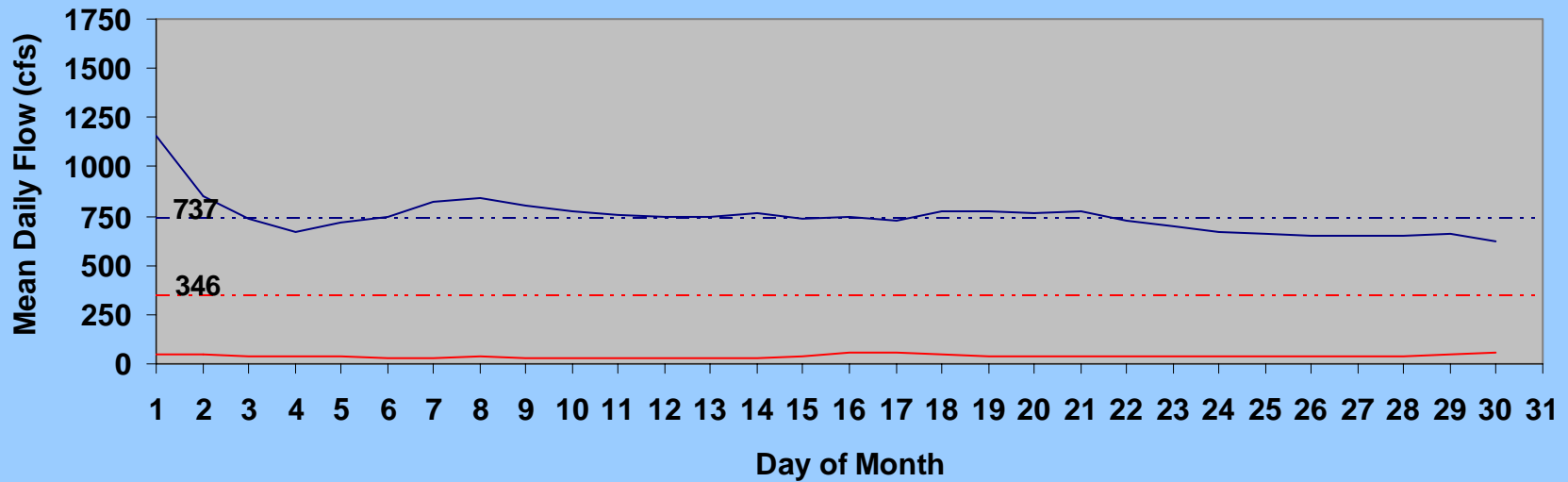
## MONTH OF NOVEMBER 2007

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	10,632	18,755	64	8,123	76%	83%	53%	0
N STERLING	73,730	11,323	31,453	64	20,130	178%	43%	27%	0
PREWITT	28,500	20,369	20,972	64	603	3%	74%	14%	0
JACKSON	27,257	13,896	18,937	1	5,041	36%	69%	22%	0
EMPIRE	37,700	8,733	8,445	1	-288	-3%	22%	18%	0
RIVERSIDE	63,113	21,057	44,491	1	23,434	111%	70%	54%	0
BARR LAKE	31,652	14,808	14,061	2	-747	-5%	44%	46%	0
CHEESMAN	79,064	60,351	61,139	80	788	1%	77%	83%	0
ELEVEN MILE	97,779	99,452	100,761	23	1,309	1%	100%	100%	2,982
SPINNEY	53,651	46,326	41,326	23	-5,000	-11%	77%	82%	0
ANTERO	20,015	20,213	20,370	23	157	1%	100%	82%	355

RIVER GAGES	MEAN DAILY FLOW (CFS)
<b>KERSEY</b>	<b>938</b>
<b>JULESBURG</b>	<b>71</b>
<b>THIS MONTH LAST YEAR</b>	
<b>KERSEY</b>	<b>746</b>
<b>JULESBURG</b>	<b>39</b>
<b>MEAN FOR PERIOD OF RECORD*</b>	
<b>KERSEY</b>	<b>737</b>
<b>JULESBURG</b>	<b>344</b>
* 1901-2006	
1902-2006	

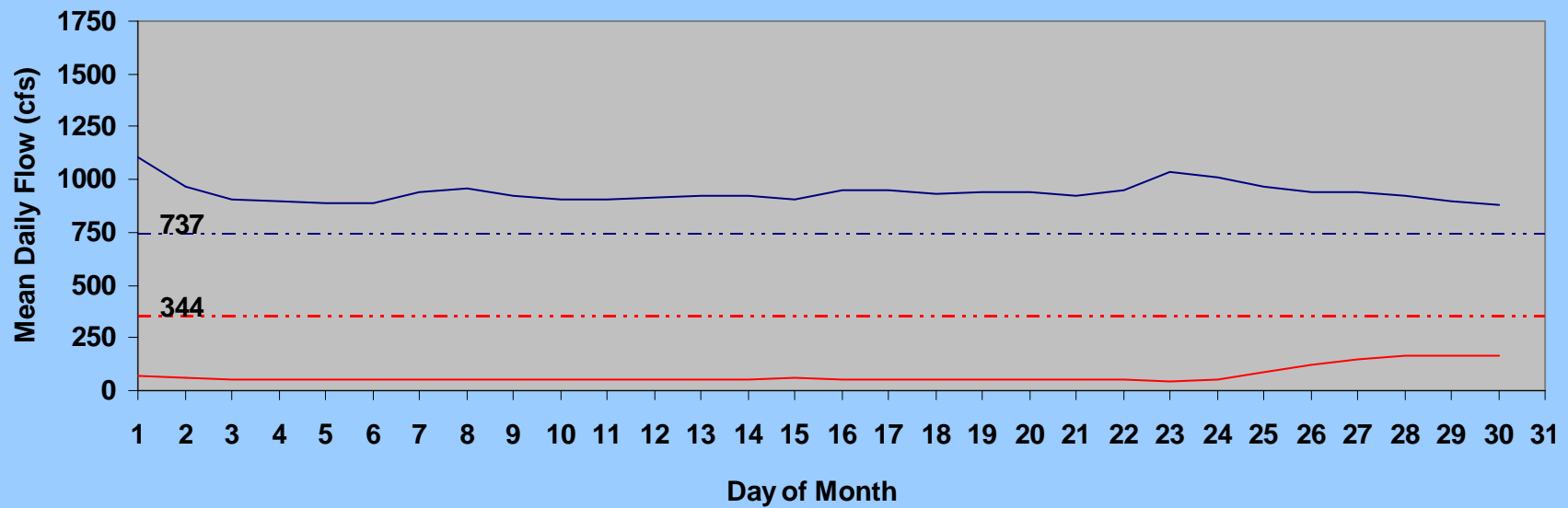


# SOUTH PLATTE RIVER NOVEMBER 2006



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

# SOUTH PLATTE RIVER NOVEMBER 2007



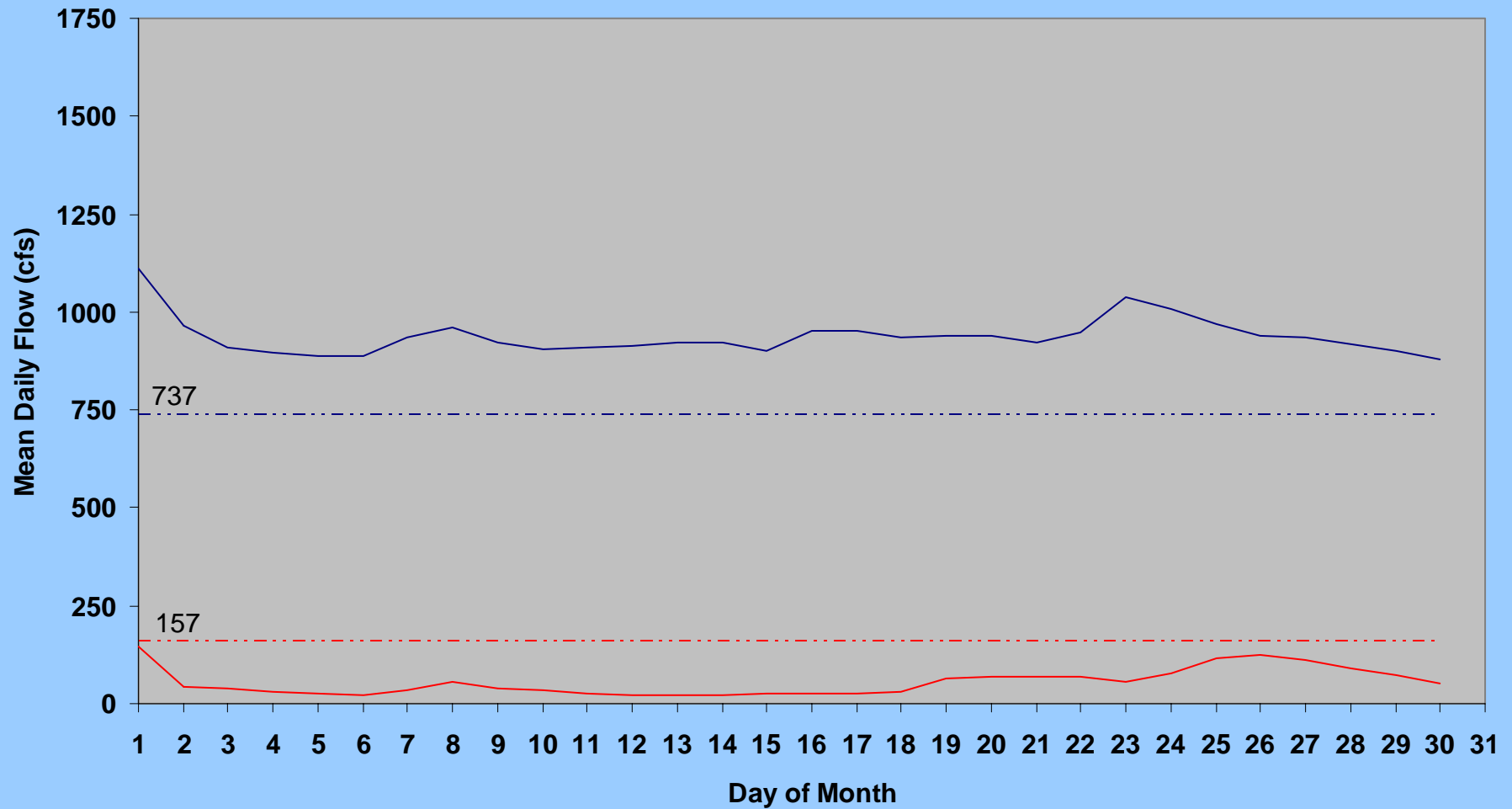
— Kersey

— Julesburg

- · - · Kersey 1901-2006 Avg.

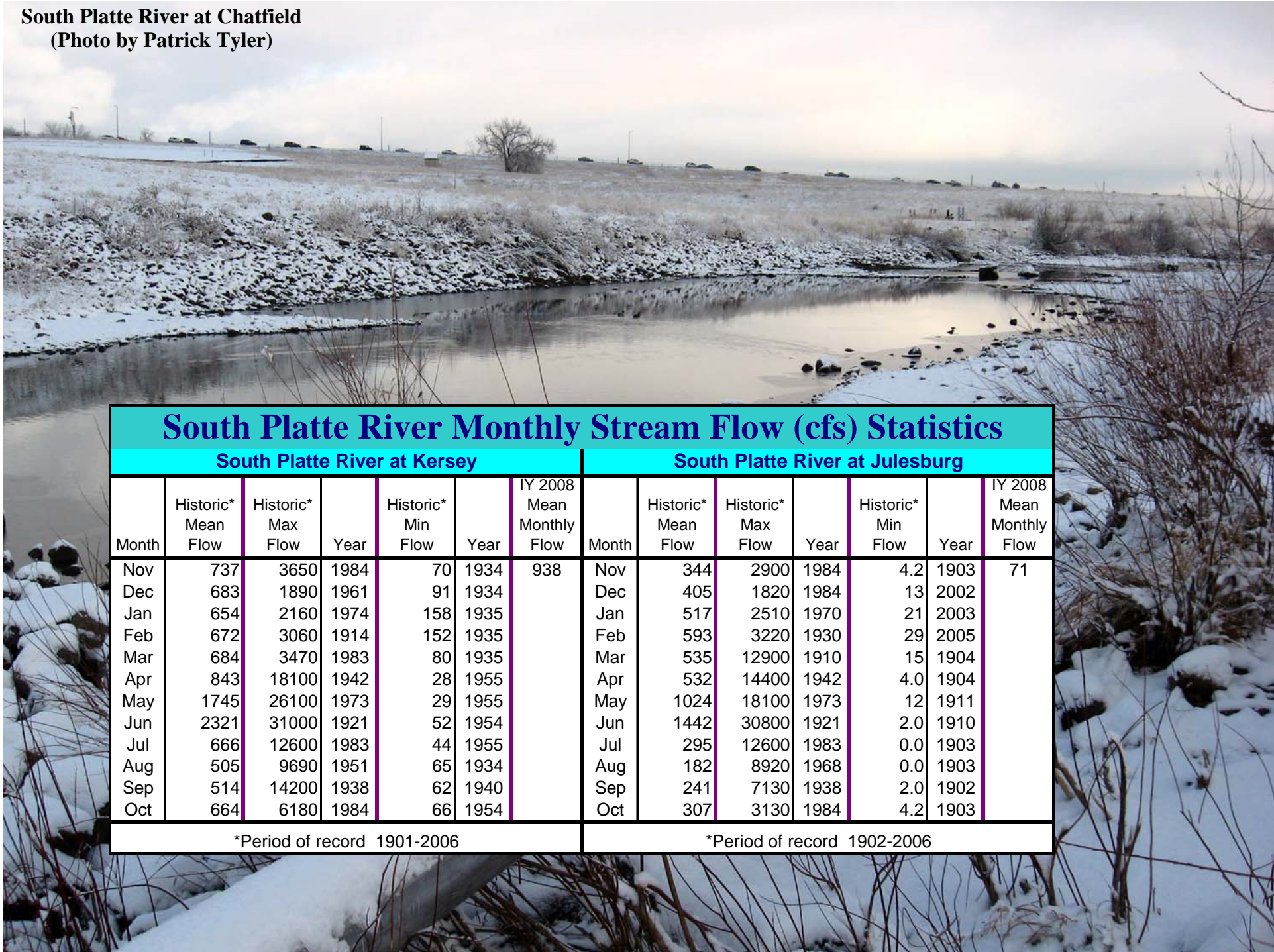
- · - · Julesburg 1902-2006 Avg.

# KERSEY and BALZAC NOVEMBER 2007



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

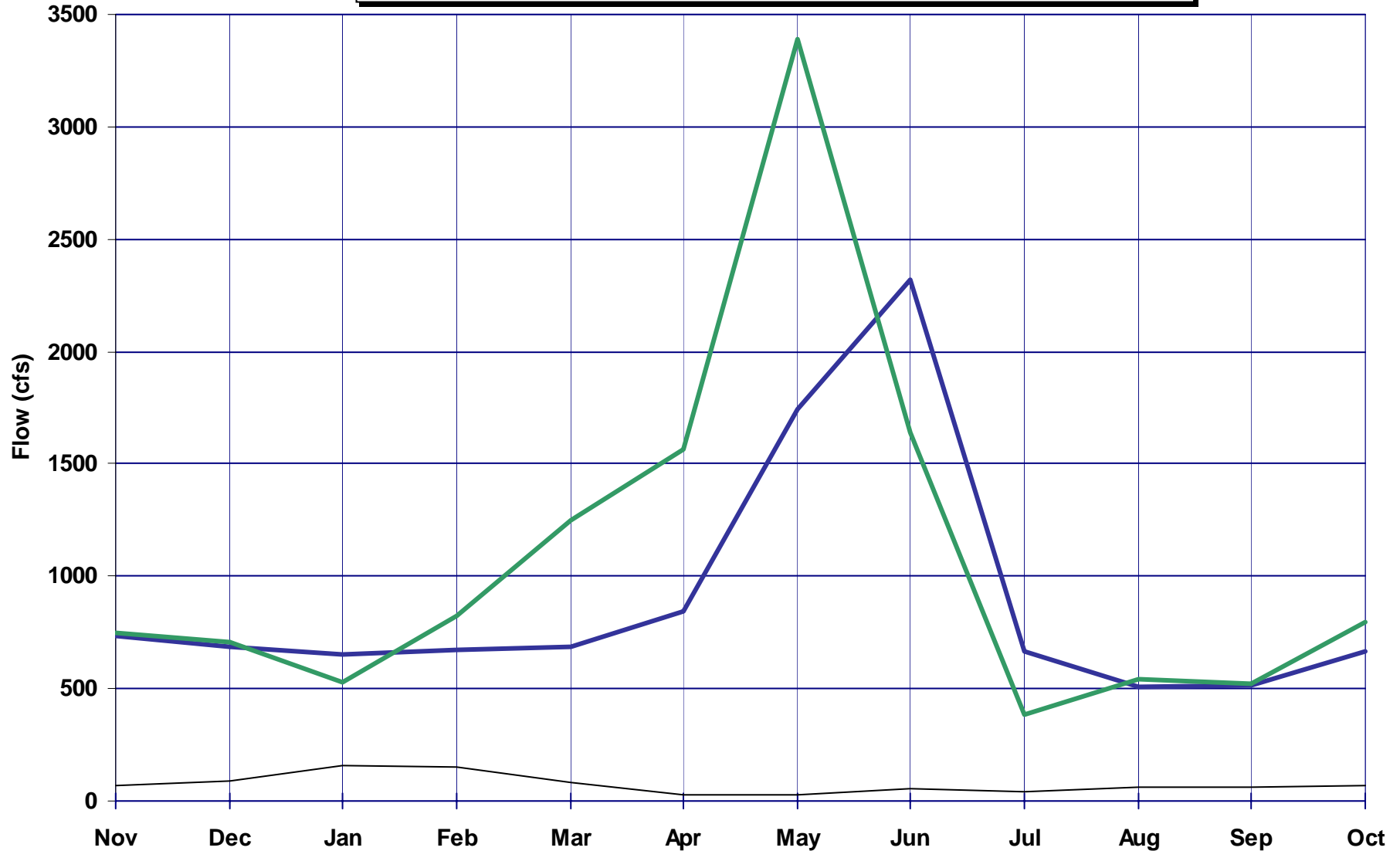
**South Platte River at Chatfield**  
 (Photo by Patrick Tyler)



<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		Dec	405	1820	1984	13	2002	
Jan	654	2160	1974	158	1935		Jan	517	2510	1970	21	2003	
Feb	672	3060	1914	152	1935		Feb	593	3220	1930	29	2005	
Mar	684	3470	1983	80	1935		Mar	535	12900	1910	15	1904	
Apr	843	18100	1942	28	1955		Apr	532	14400	1942	4.0	1904	
May	1745	26100	1973	29	1955		May	1024	18100	1973	12	1911	
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

\*1902-2006

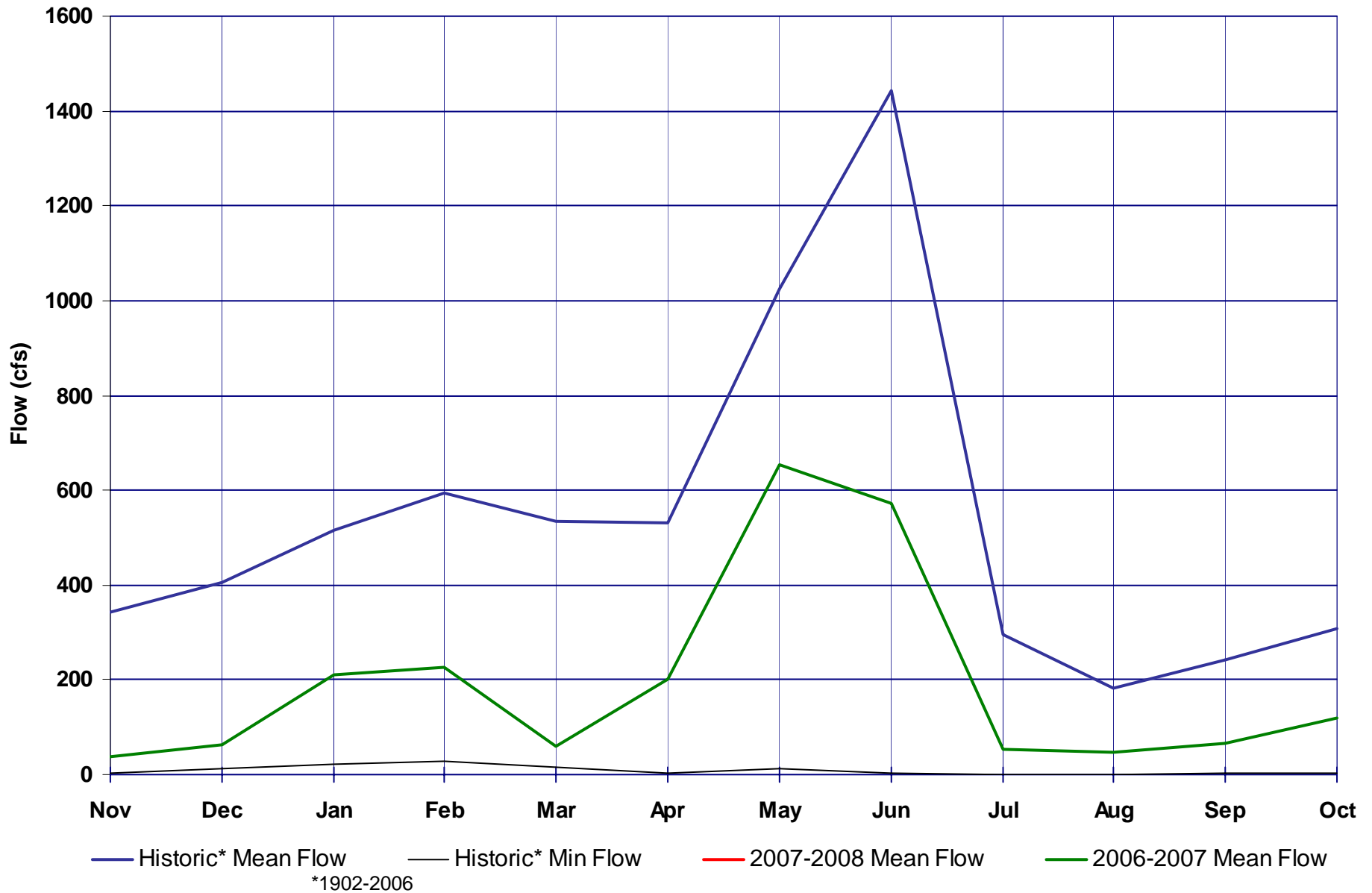
Historic\* Min Flow

2007-2008 Mean Flow

2006-2007 Mean Flow

# South Platte River at Julesburg

Irrigation Water Year





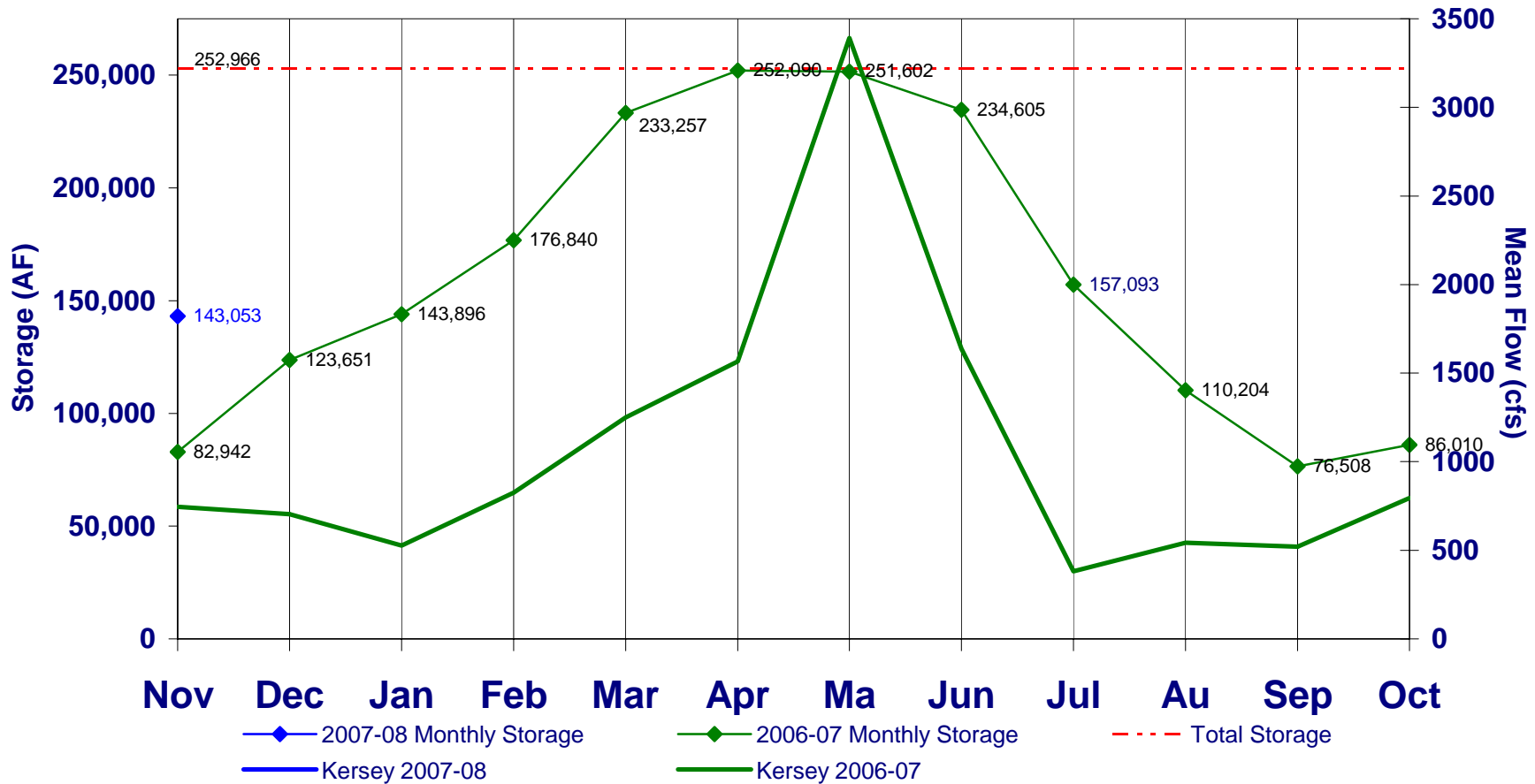


**Next four slides show Reservoir Storage  
below and above Kersey**

**South Platte at Chatfield  
(Photo Patrick Tyler)**

# Reservoir Storage below Kersey

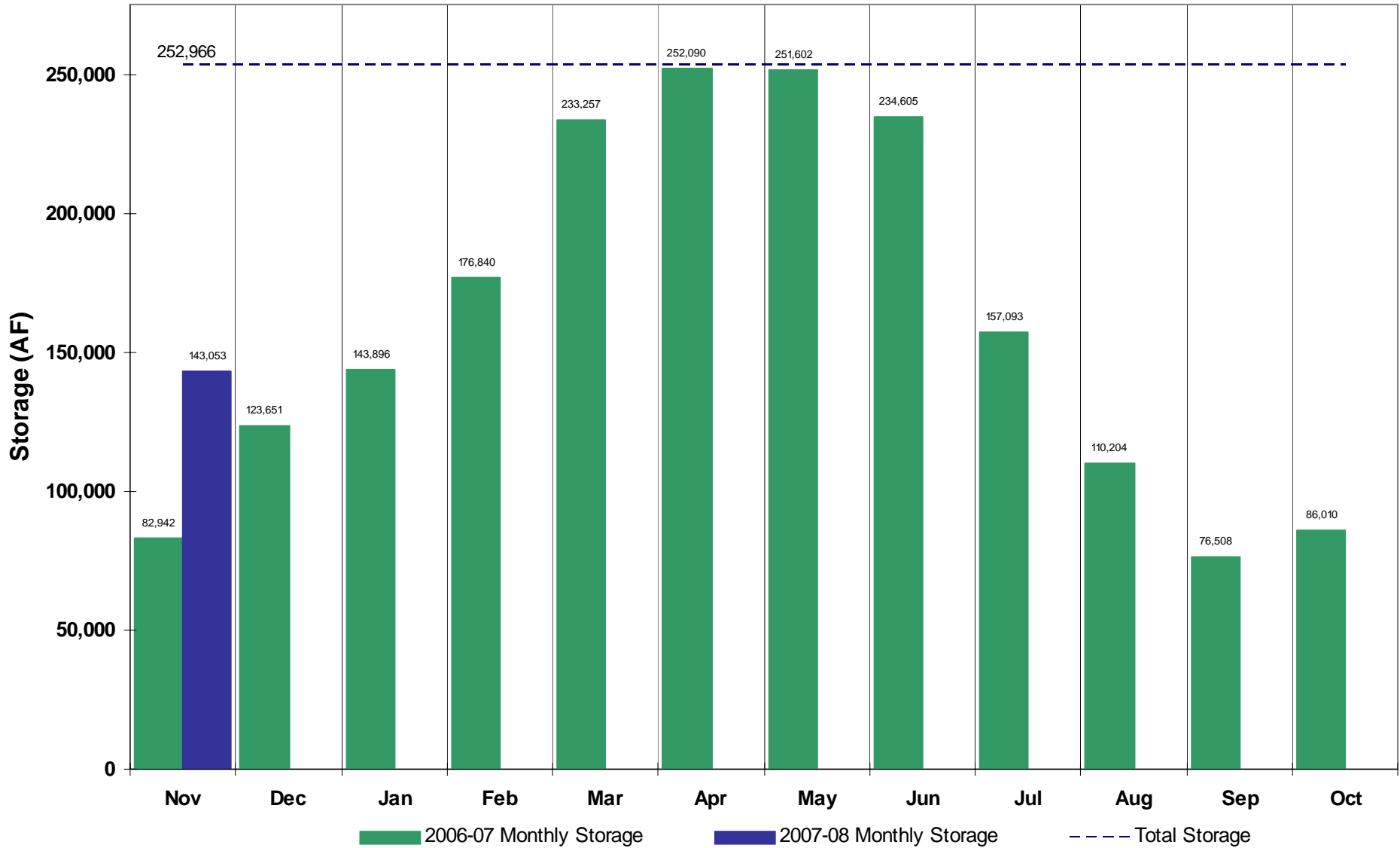
Selected Reservoirs\*



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

# South Platte Reservoirs

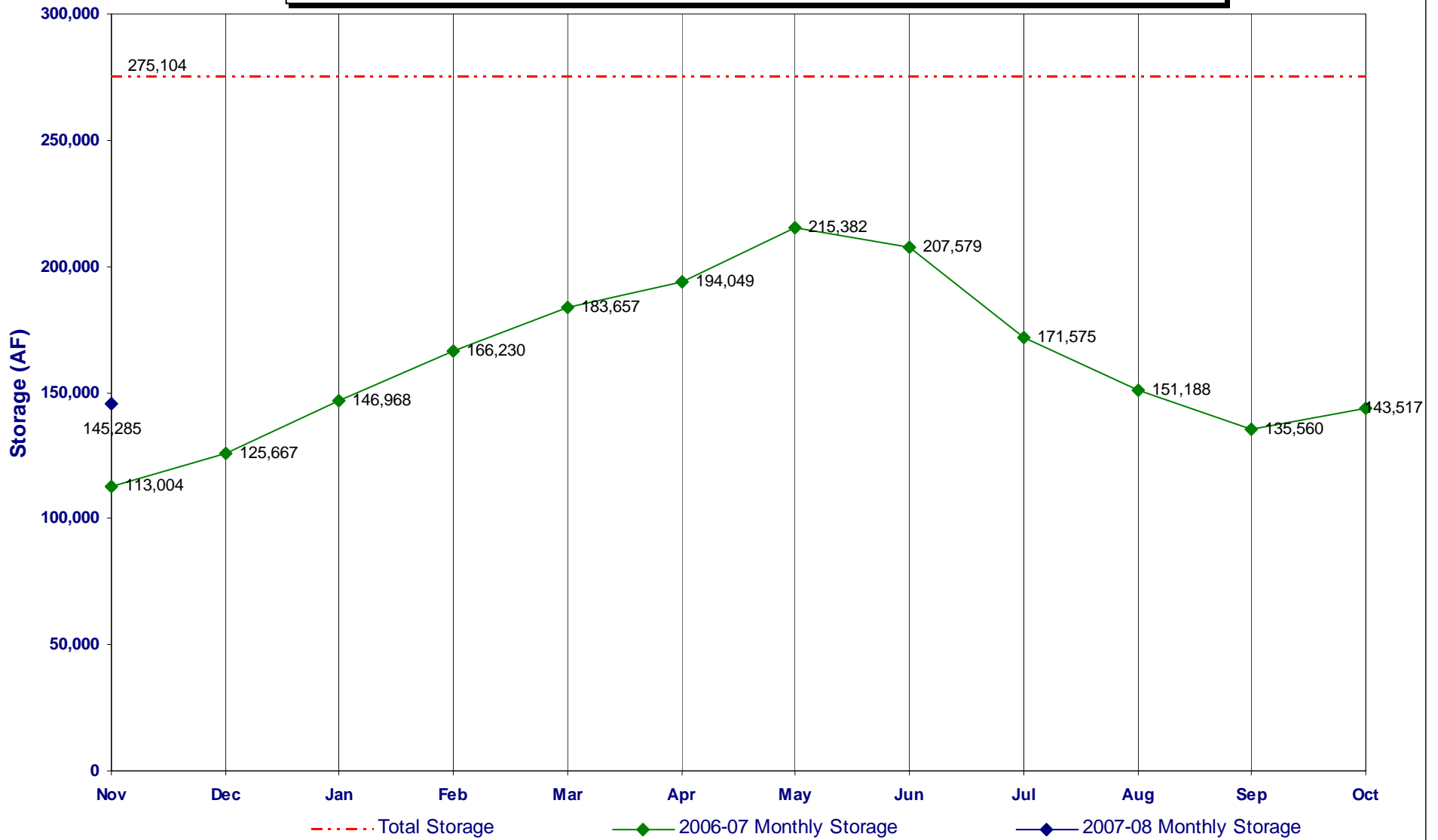
## Storage below Kersey\*



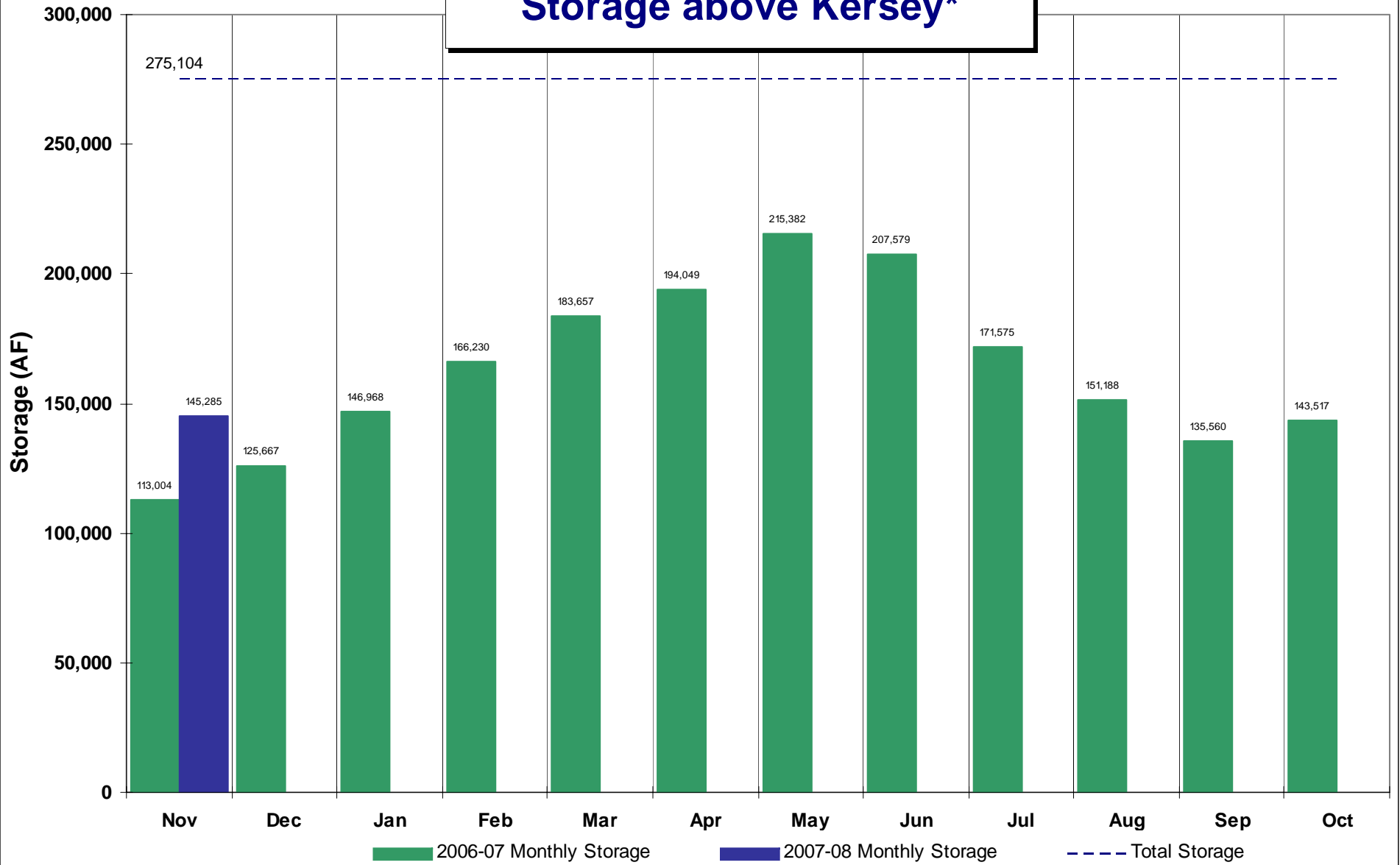
\*Empire, Riverside, Jackson, Prewitt, North Sterling, & Julesburg

# Reservoir Storage above Kersey

Selected Reservoirs\*



# South Platte Reservoirs Storage above Kersey\*



\*Barr, Cobb, Fossil Crk, Halligan, Marshall, Milton, Union, Standley, Lower Latham, Boyd, Loveland, Windsor, Horse Crk, & Prospect

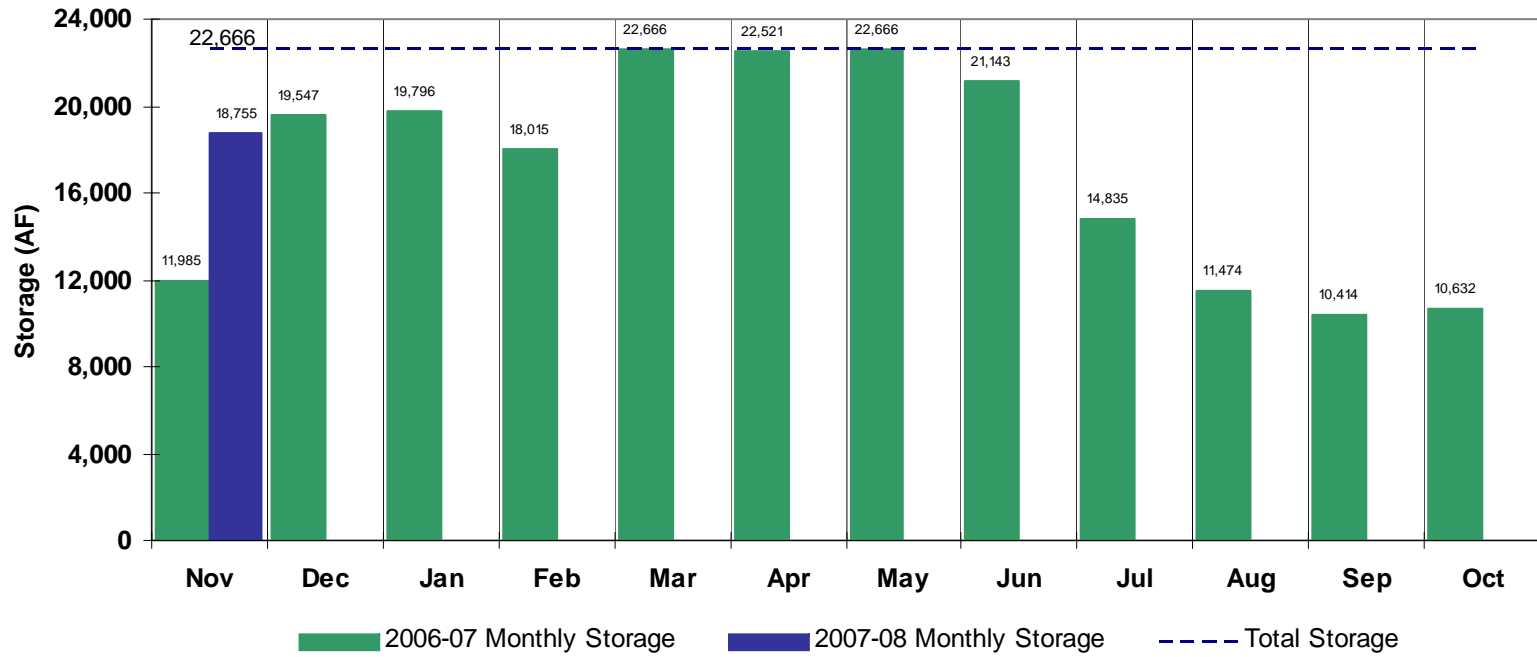


**Individual  
Reservoir  
Storage  
Follows**

**South Platte River at Chatfield  
(Photo by Patrick Tyler)**

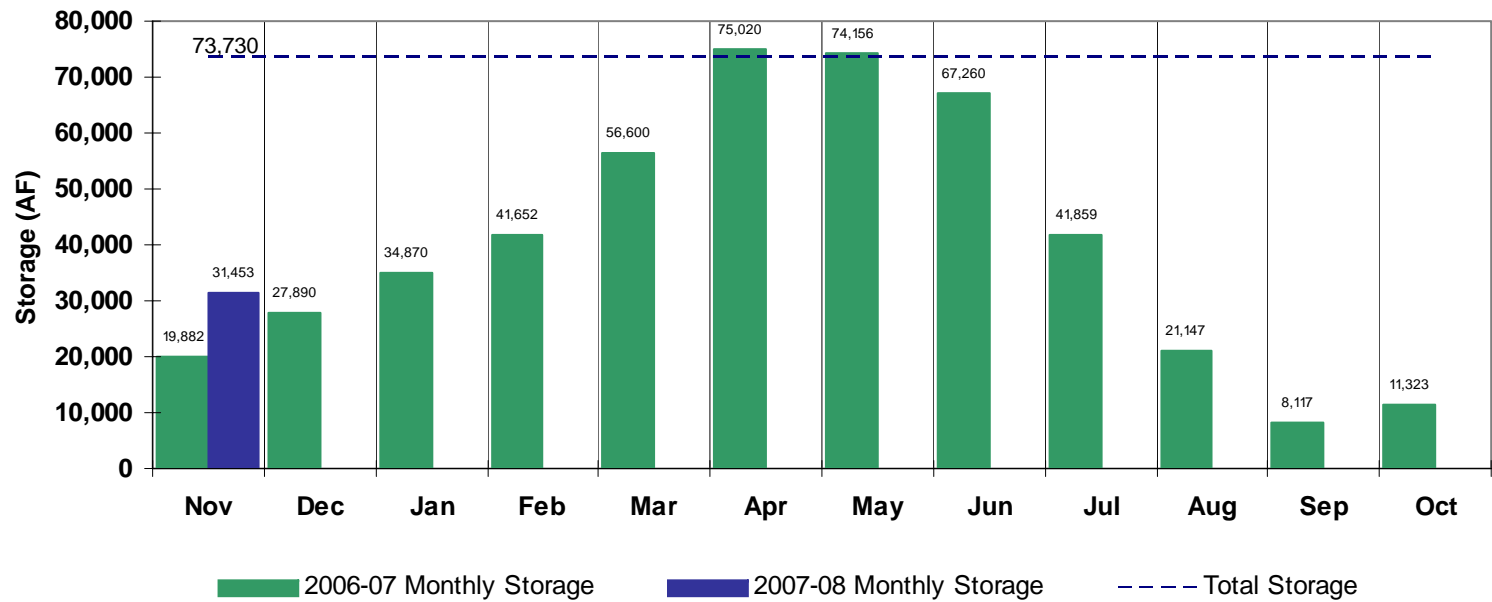
# Julesburg Reservoir

(District 64 - Agricultural)



# North Sterling Reservoir

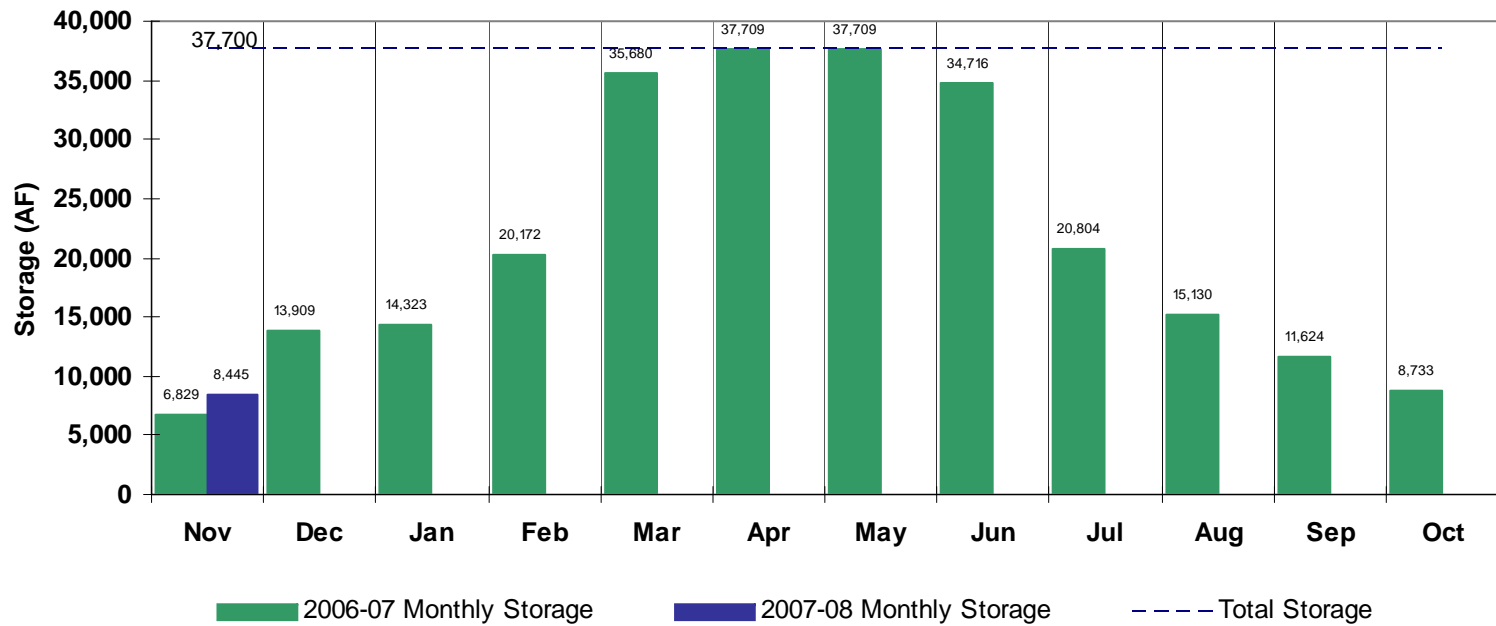
(District 64- Agricultural)





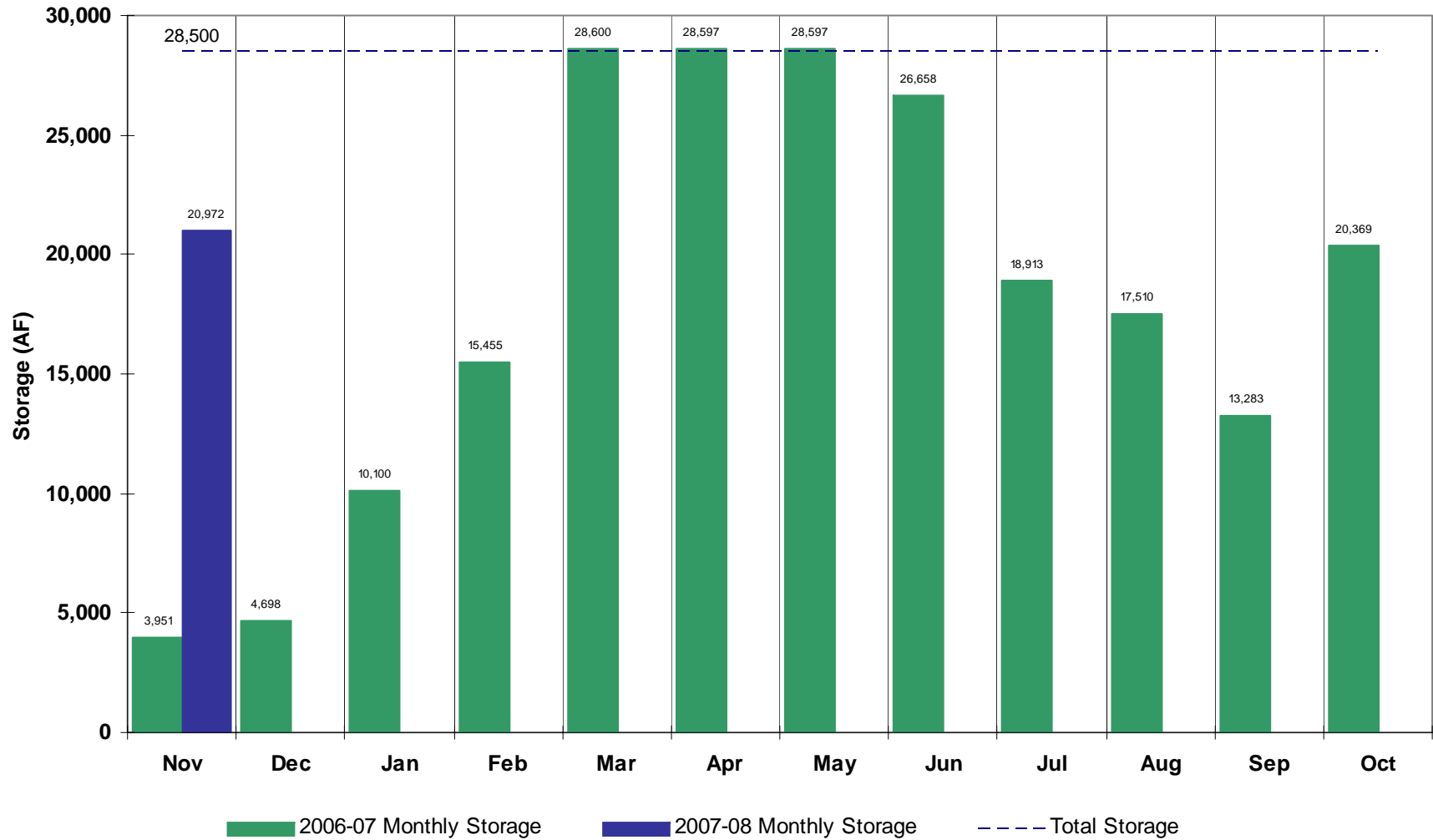
# Empire Reservoir

(District 1- Agricultural)



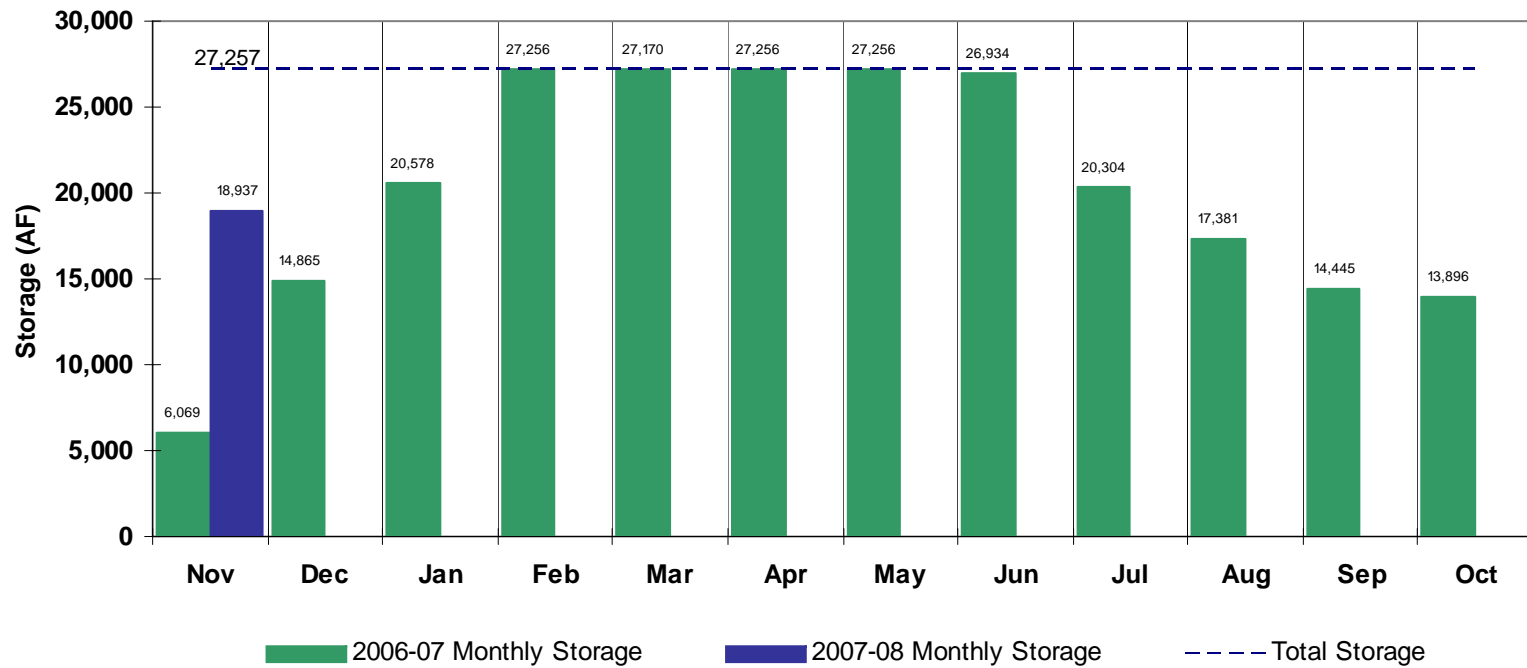
# Prewitt Reservoir

(District 64- Agricultural)



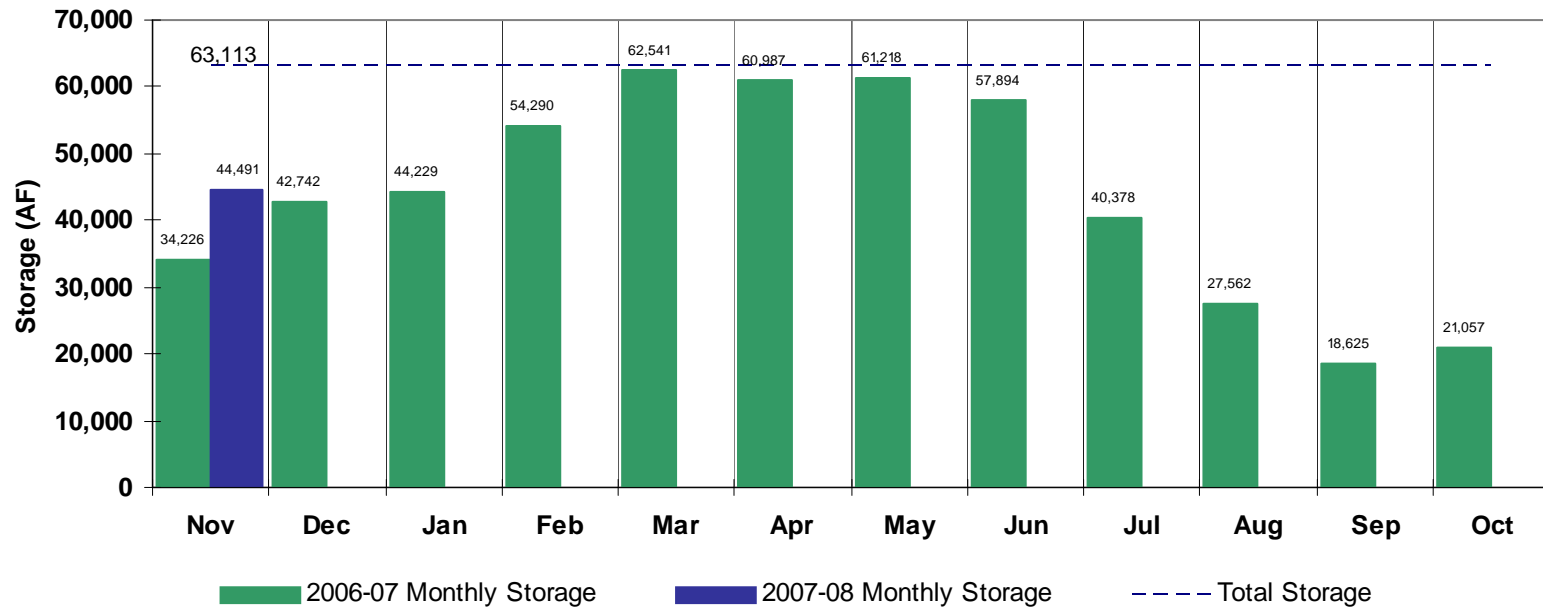
# Jackson Reservoir

(District 1- Agricultural)



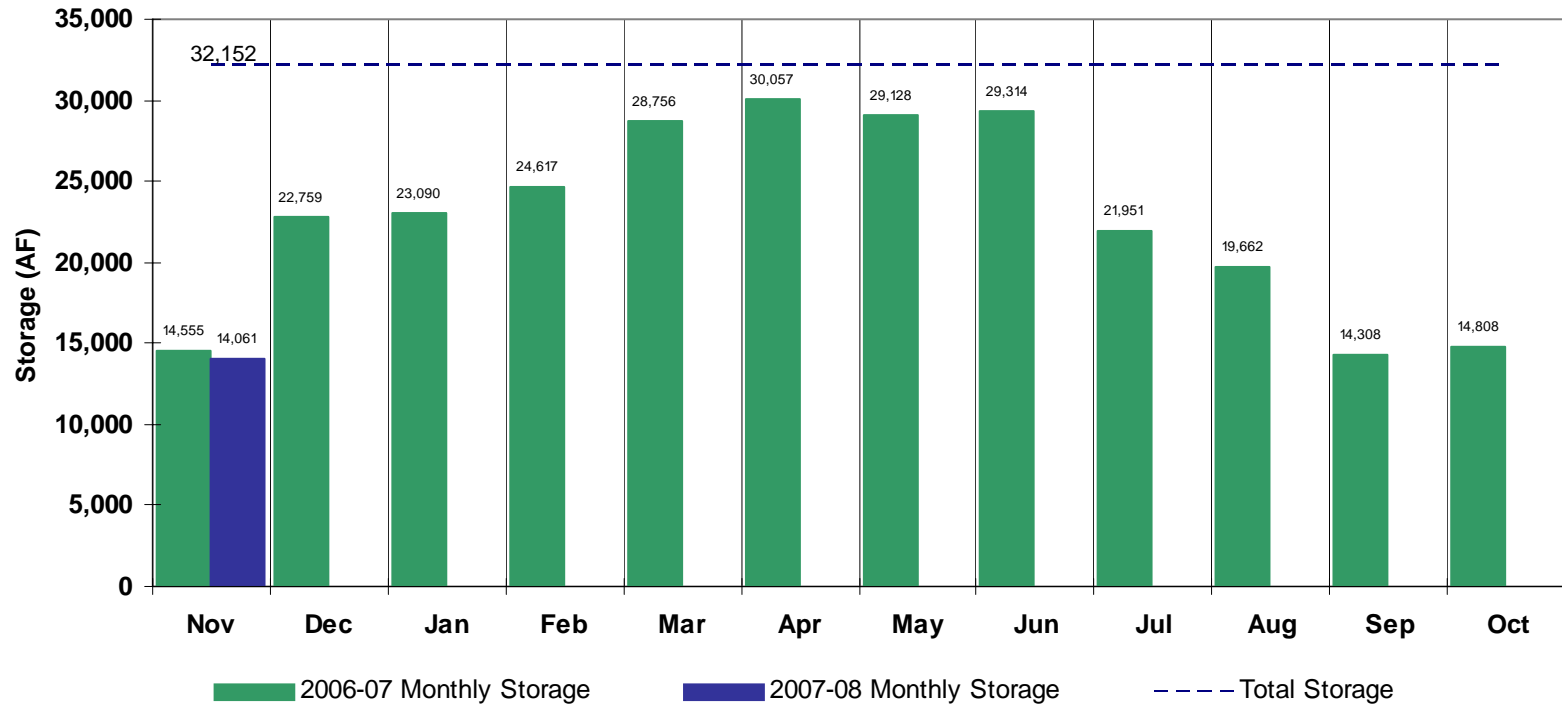
# Riverside Reservoir

(District 1 - Agricultural)



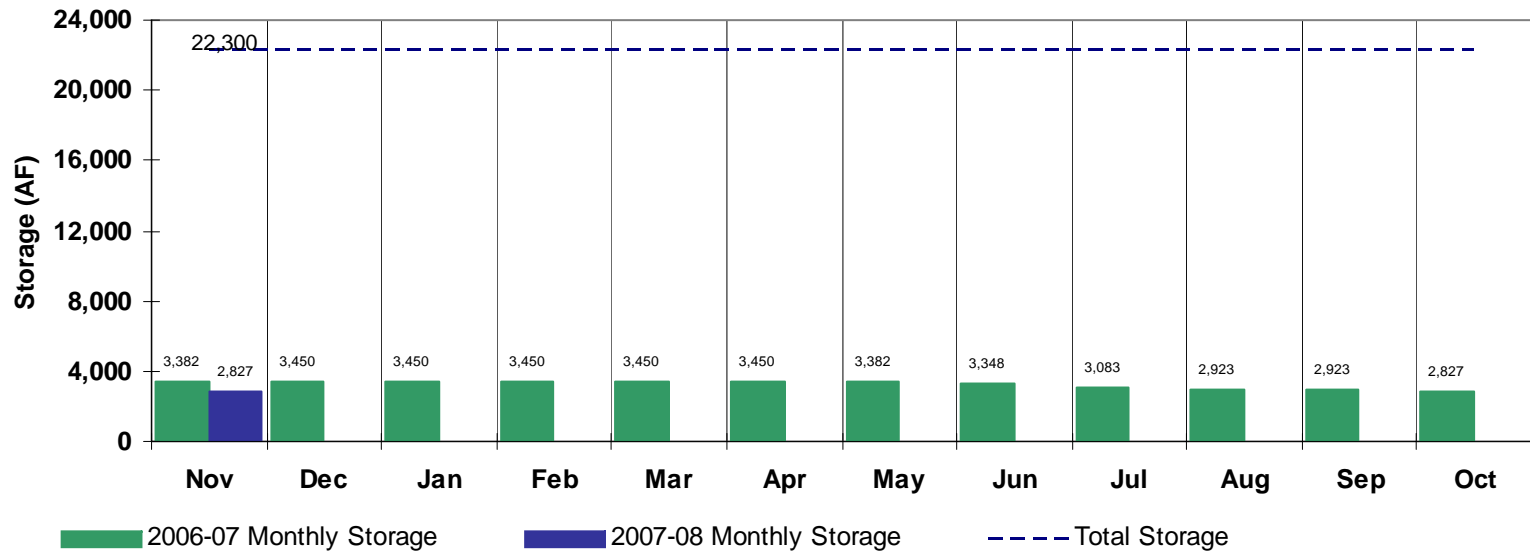
# Barr Lake

(District 2 - Agricultural)



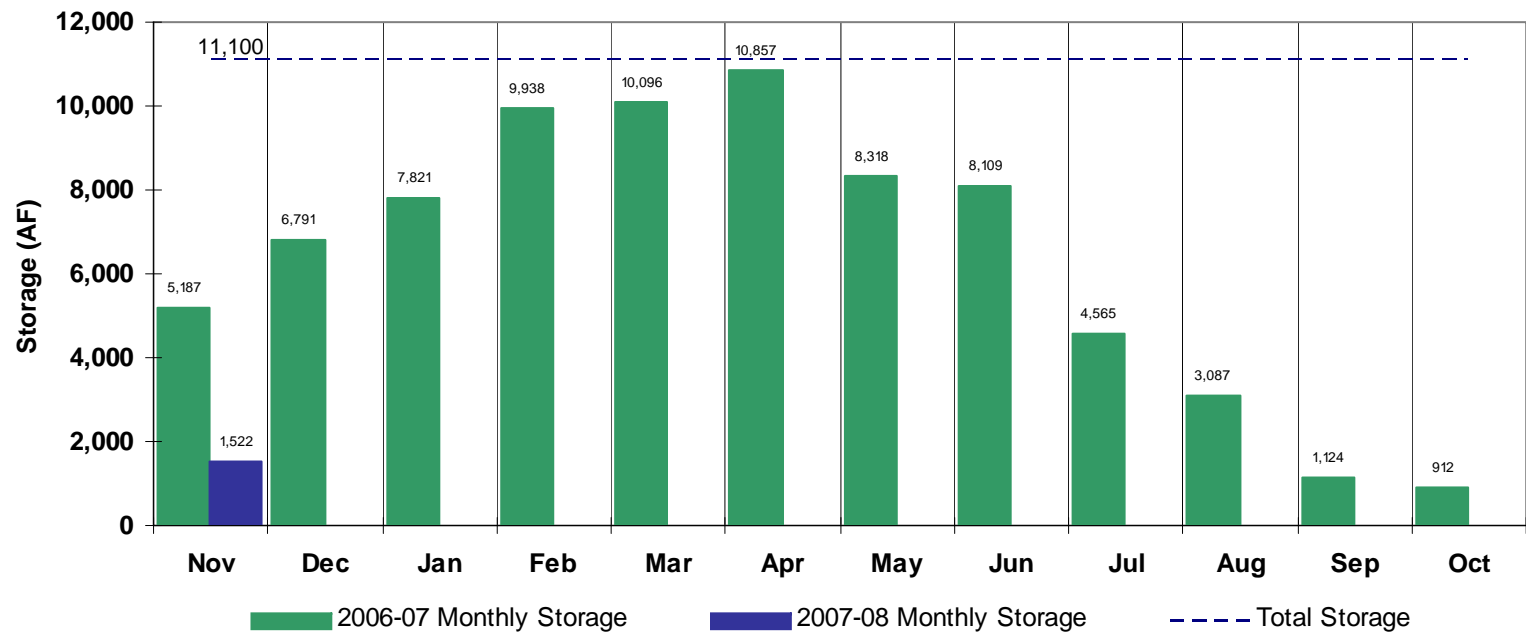
# Cobb Lake

(District 3, Poudre River - Agricultural)



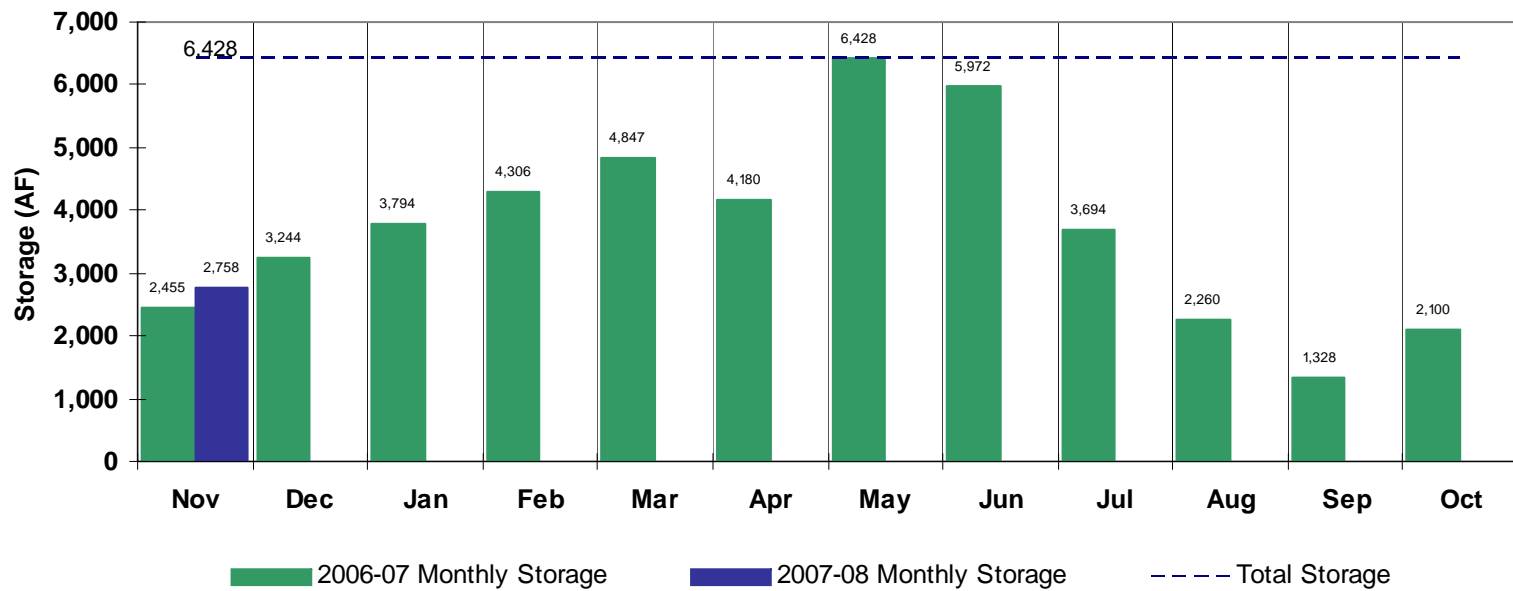
# Fossil Creek Reservoir

(District 3, Poudre River - Agricultural)



# Halligan Reservoir

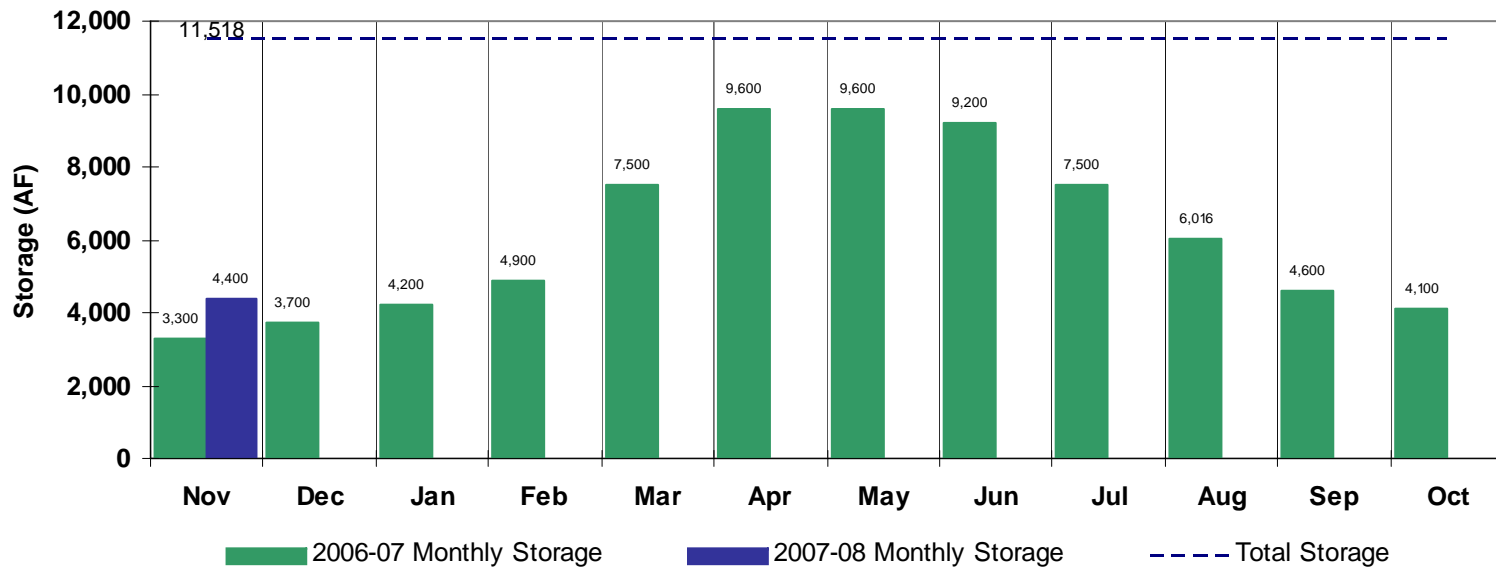
(District 3, Poudre River - Agricultural)





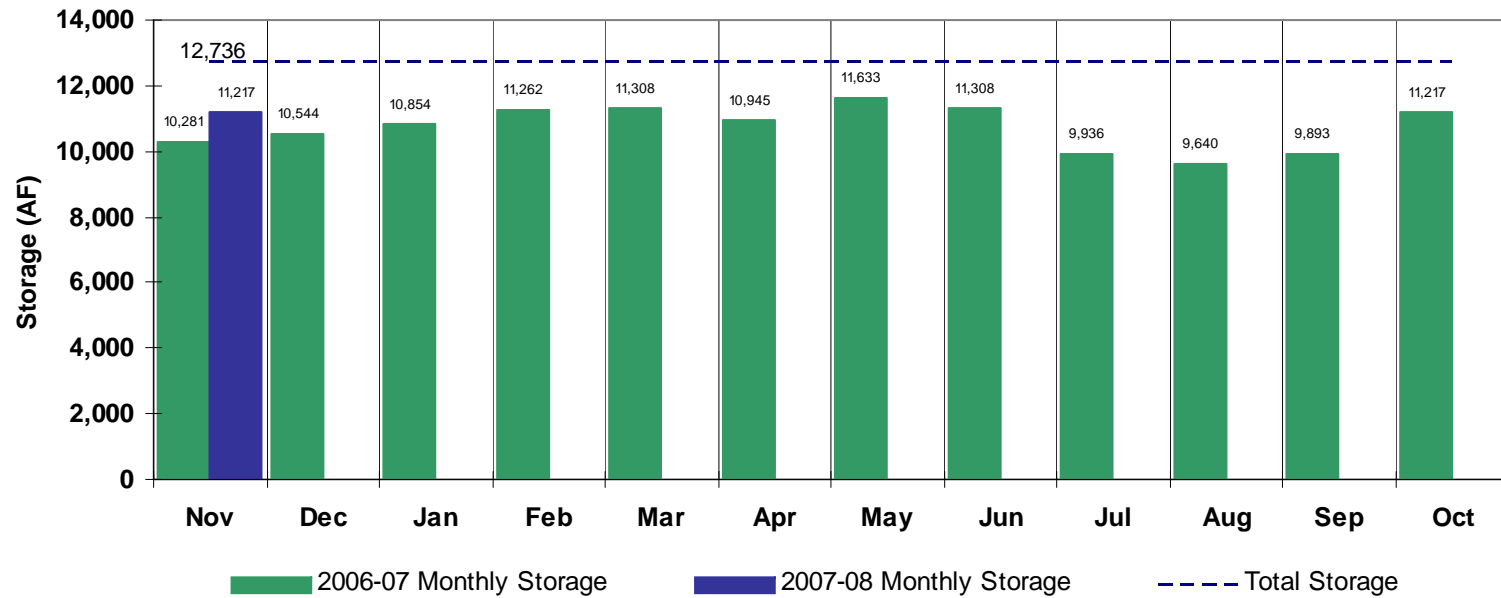
# Marshall Lake

(District 6, Boulder Creek - Agricultural)



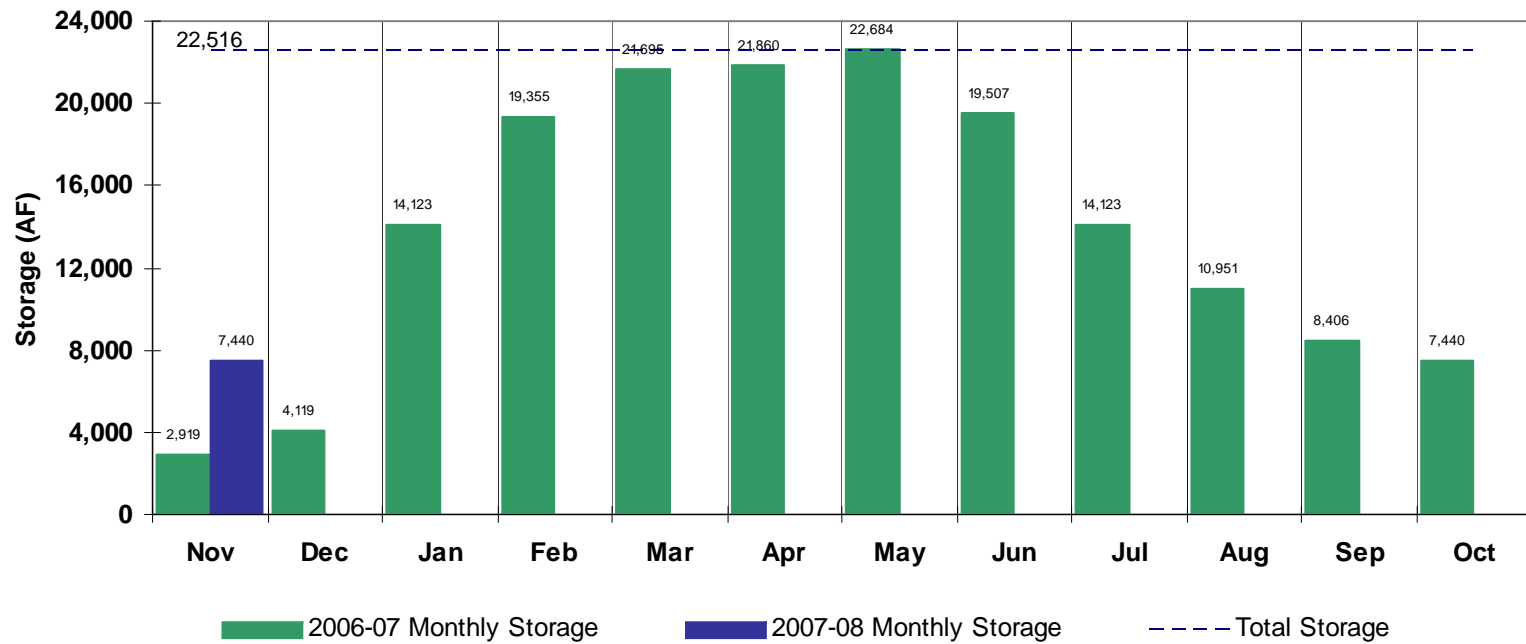
# Loveland Greeley Reservoir

(District 4, Big Thompson River - Agricultural)



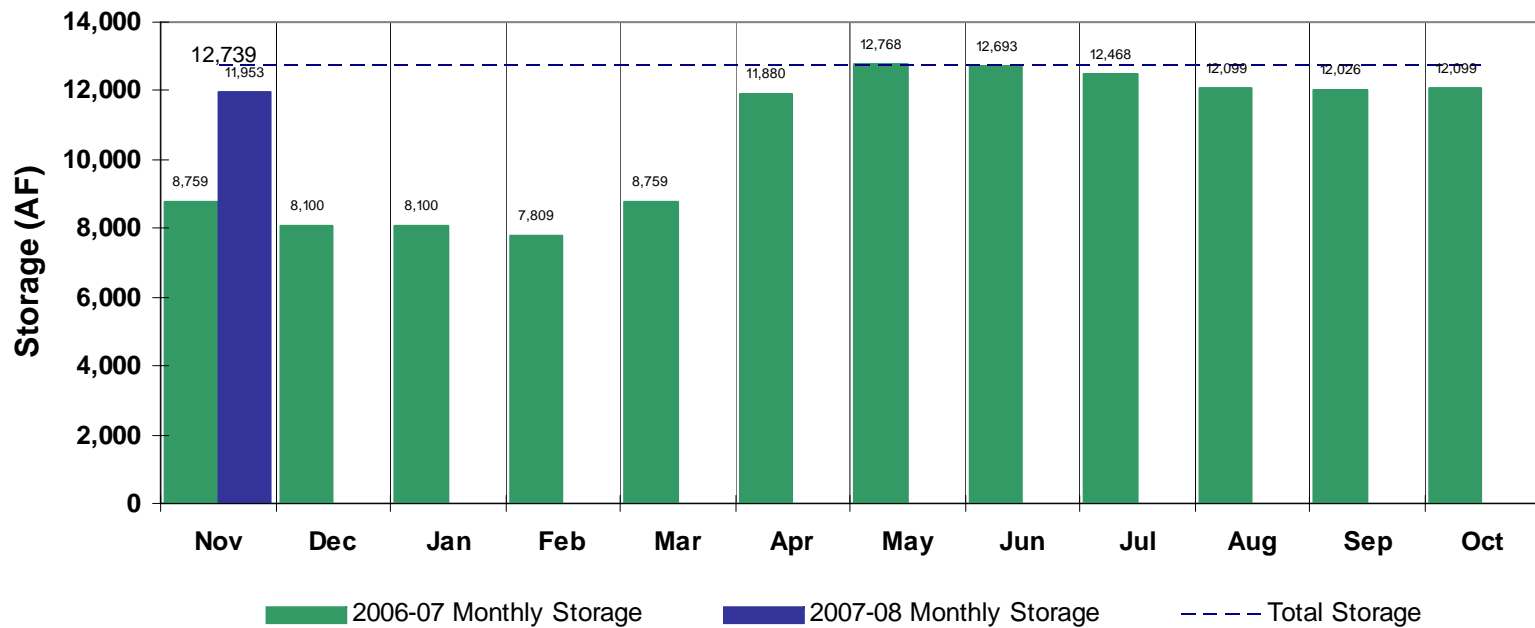
# Milton Reservoir

(District 2 - Agricultural)

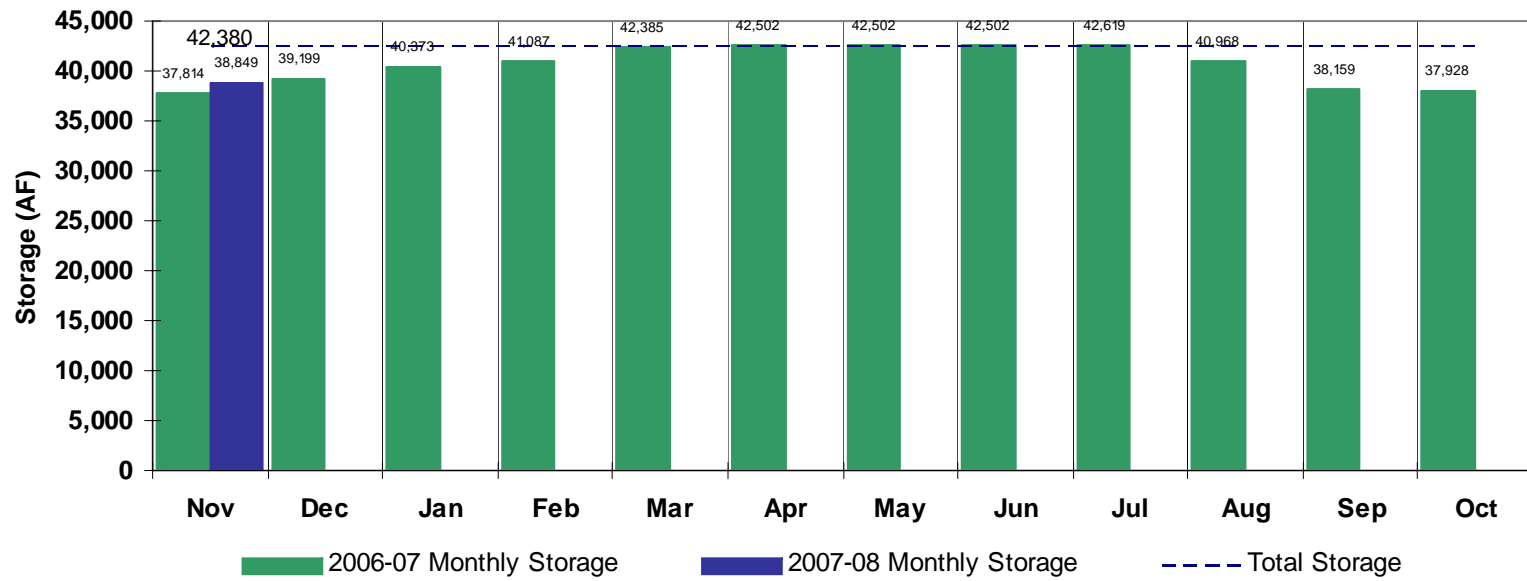


# Union Reservoir

(District 5, St. Vrain Creek - Agricultural)

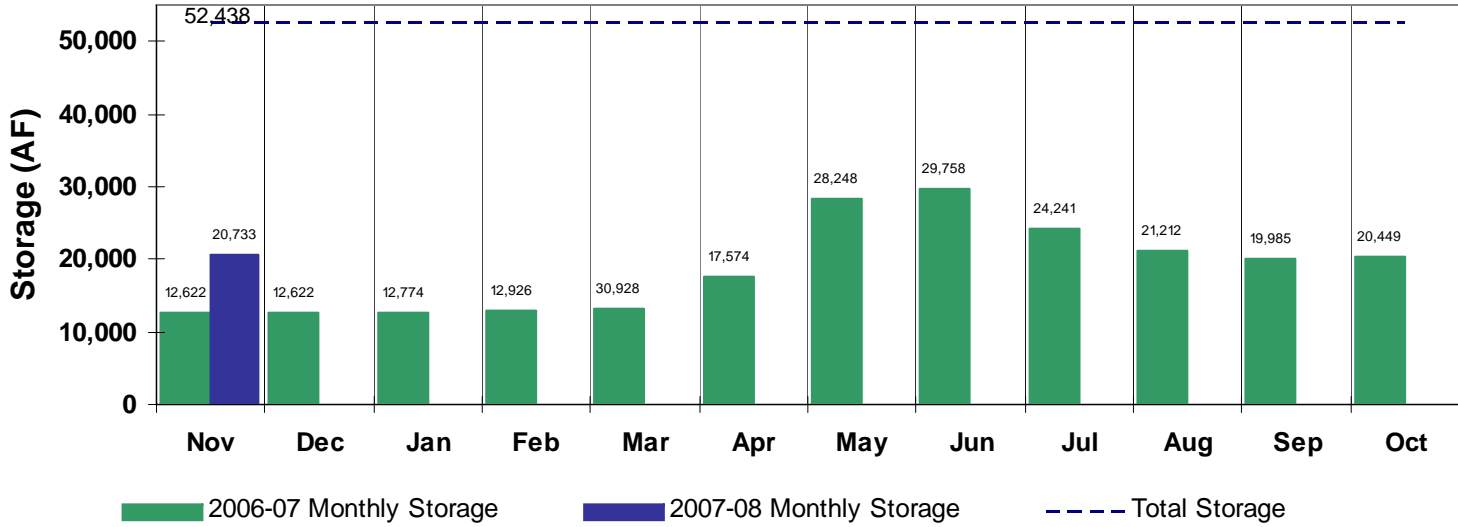


# Standley Lake (Agricultural)



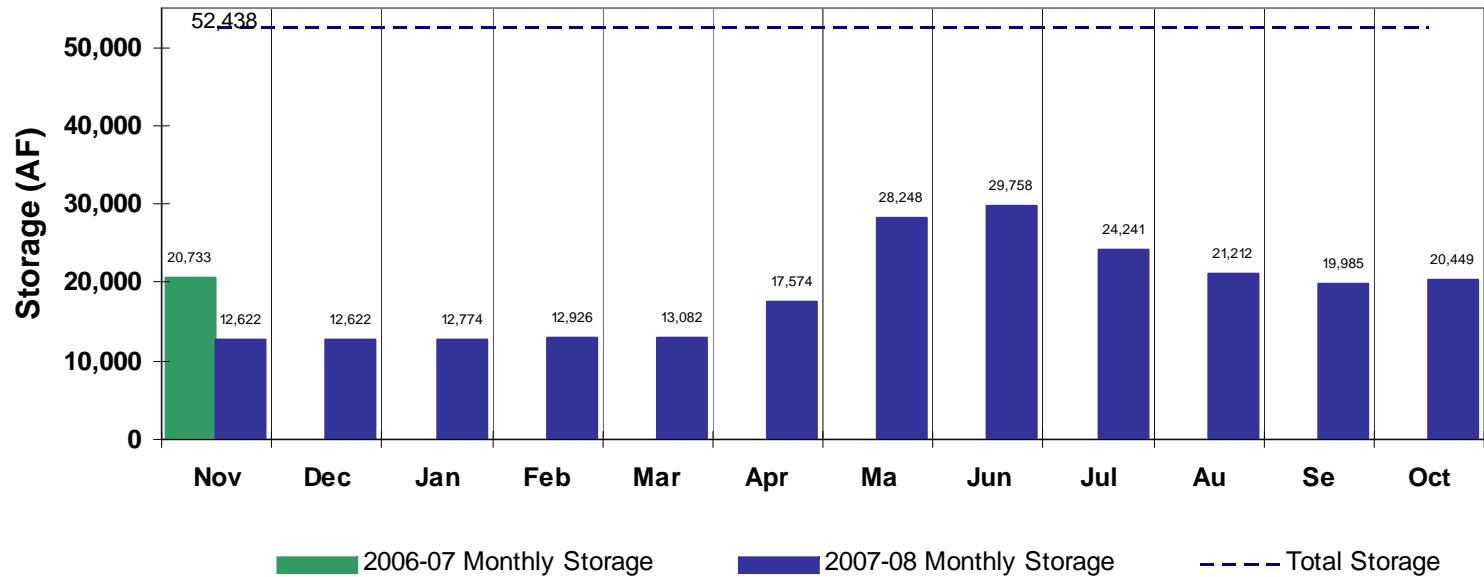
# Boyd Lake

(District 4, Big Thompson River - Agricultural)



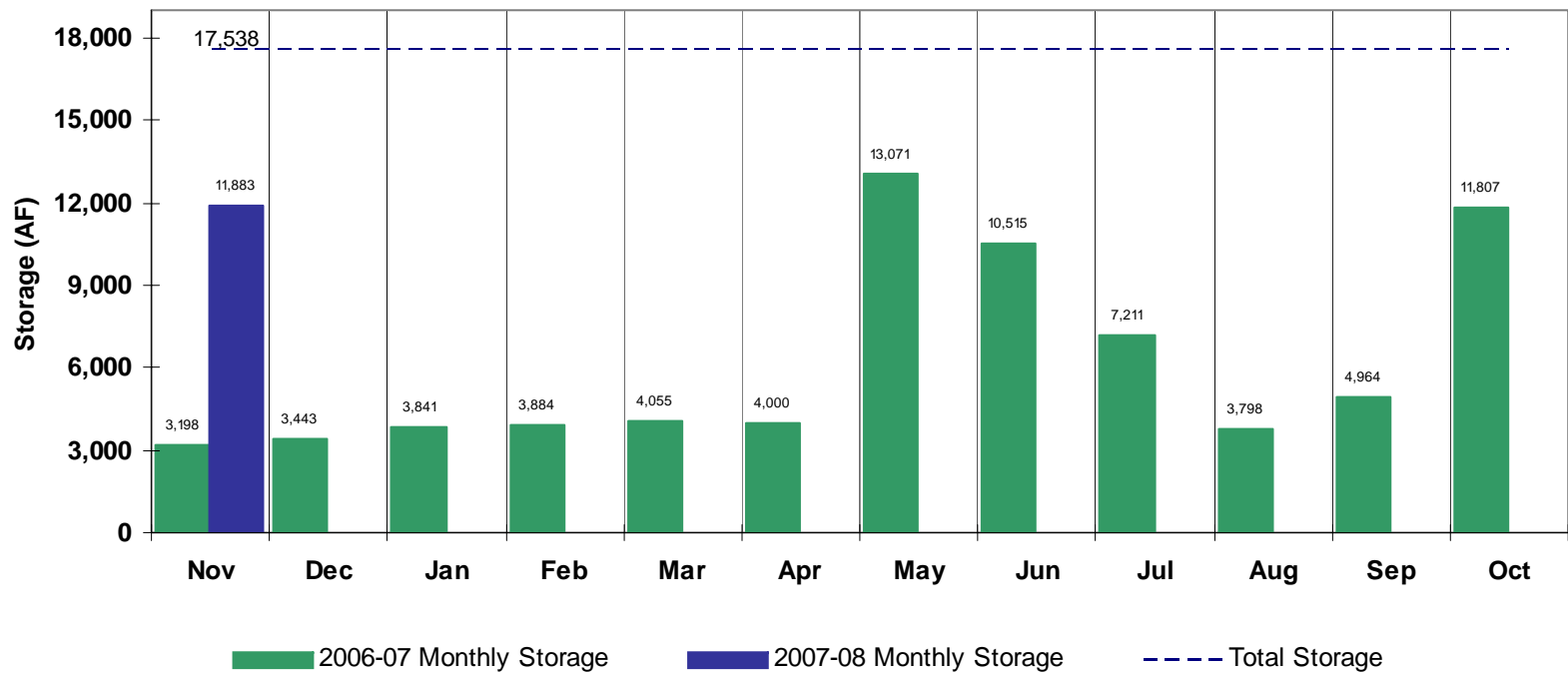
# Boyd Lake

(District 4, Big Thompson River - Agricultural)



# Windsor Reservoir

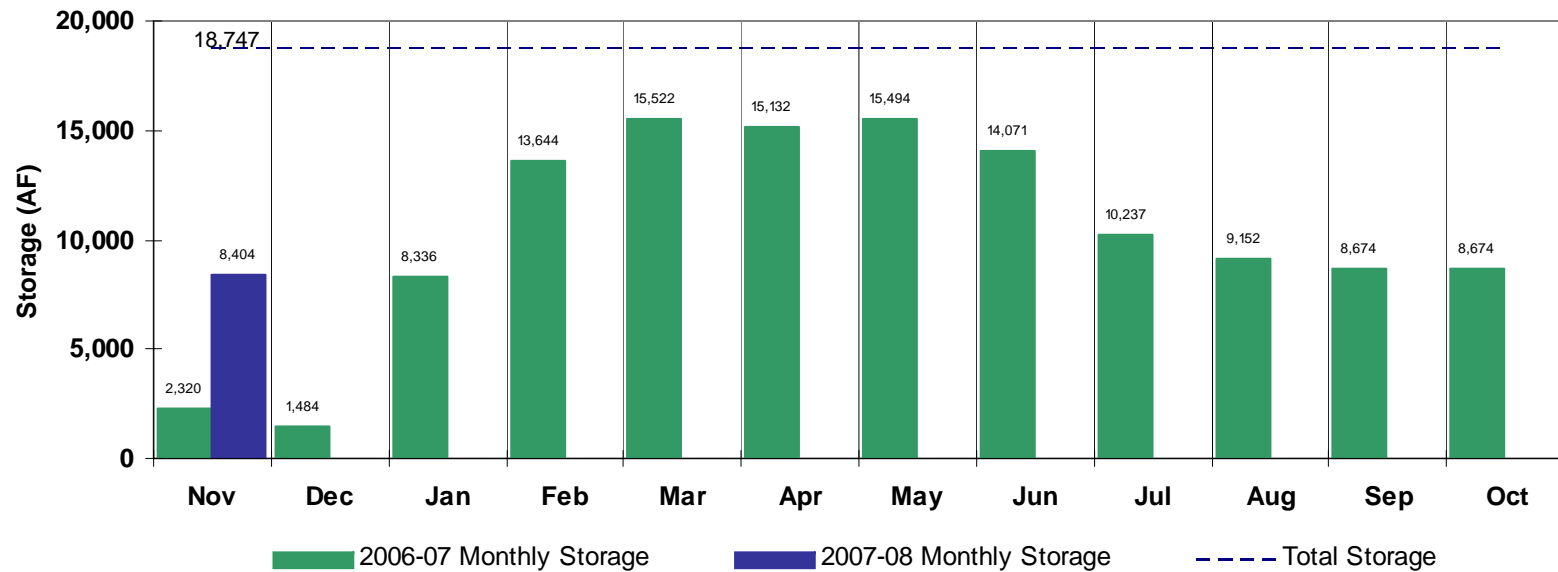
(District 3, Poudre River - Agricultural)





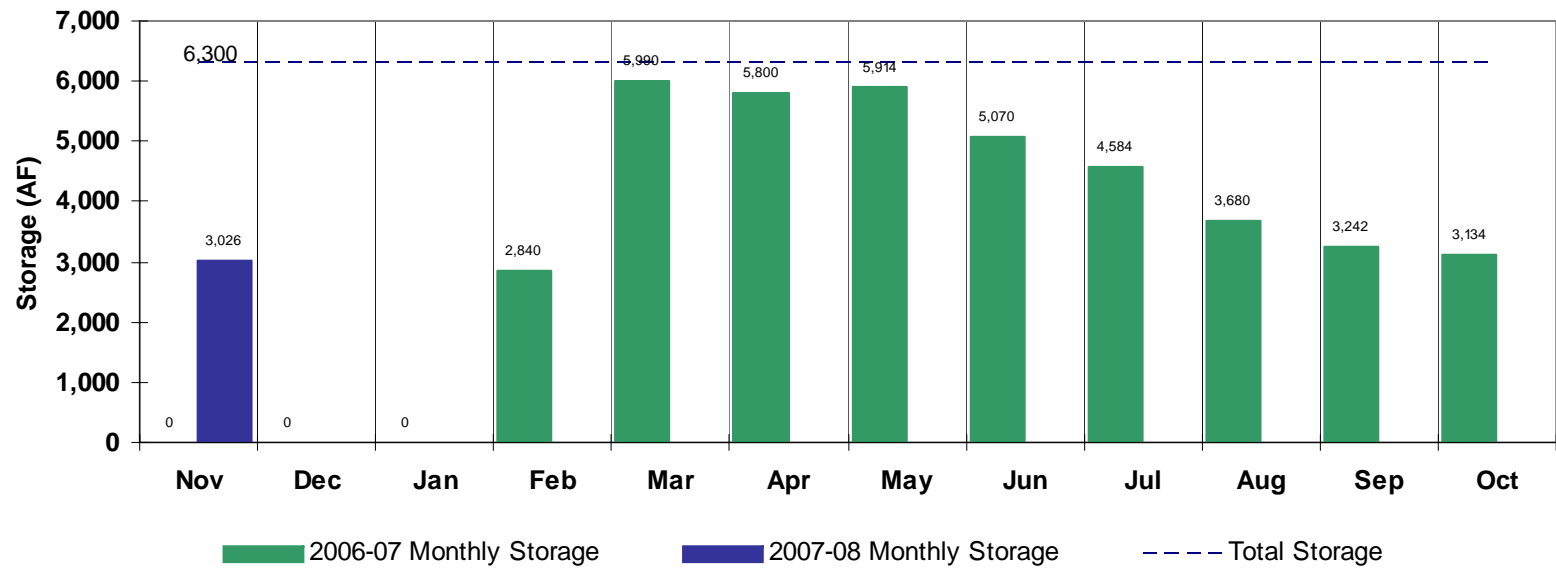
# Horse Creek Reservoir

(District 1 - Agricultural)



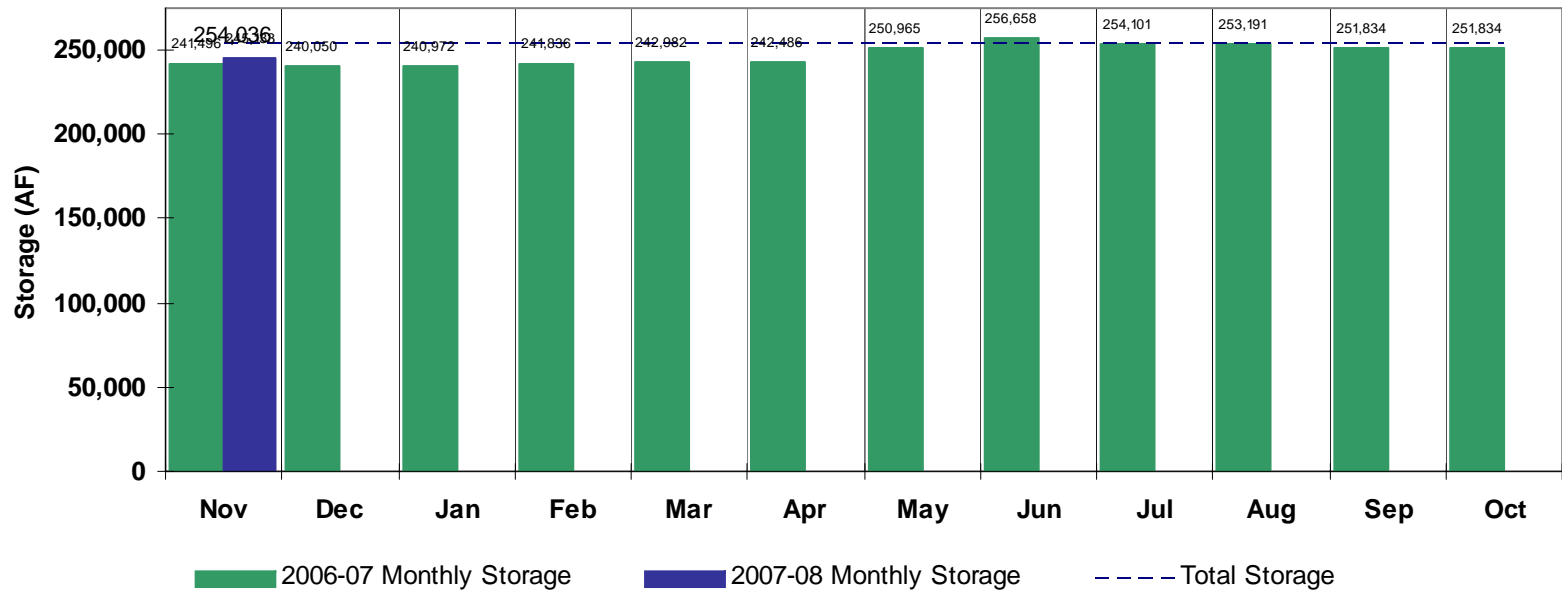
# Prospect Reservoir

(District 1- Agricultural)



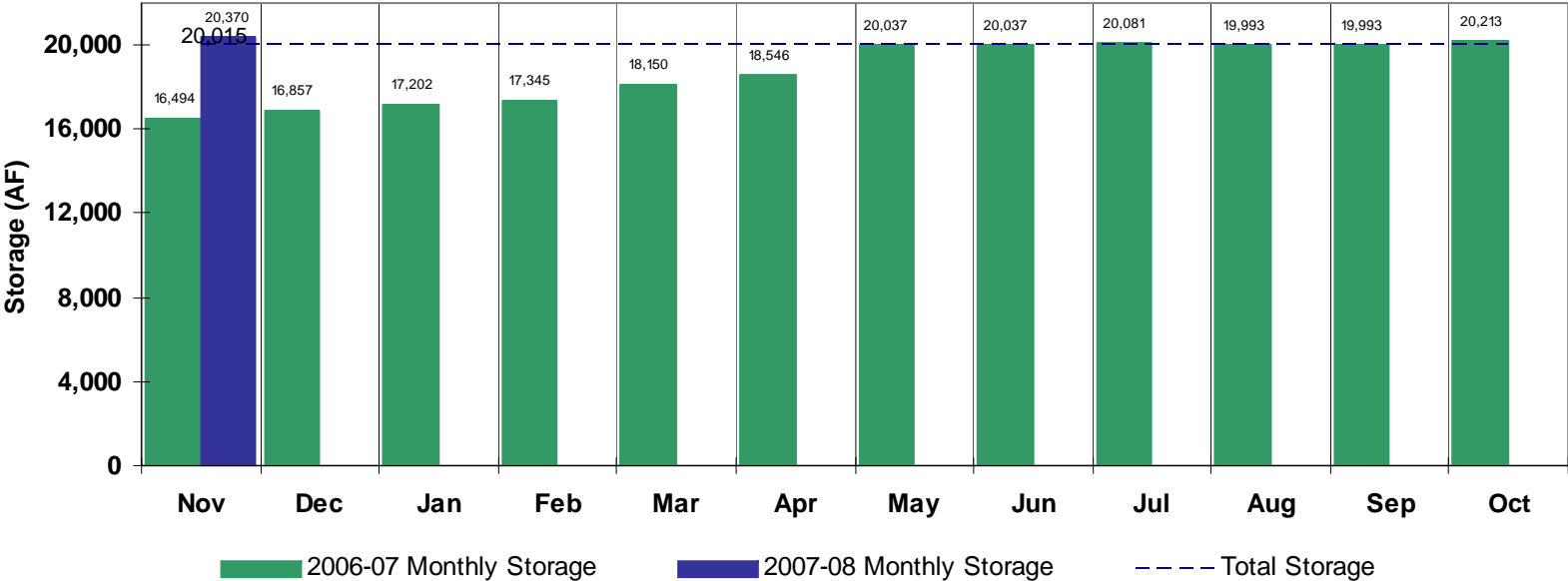
# Dillon Reservoir

(Municipal)



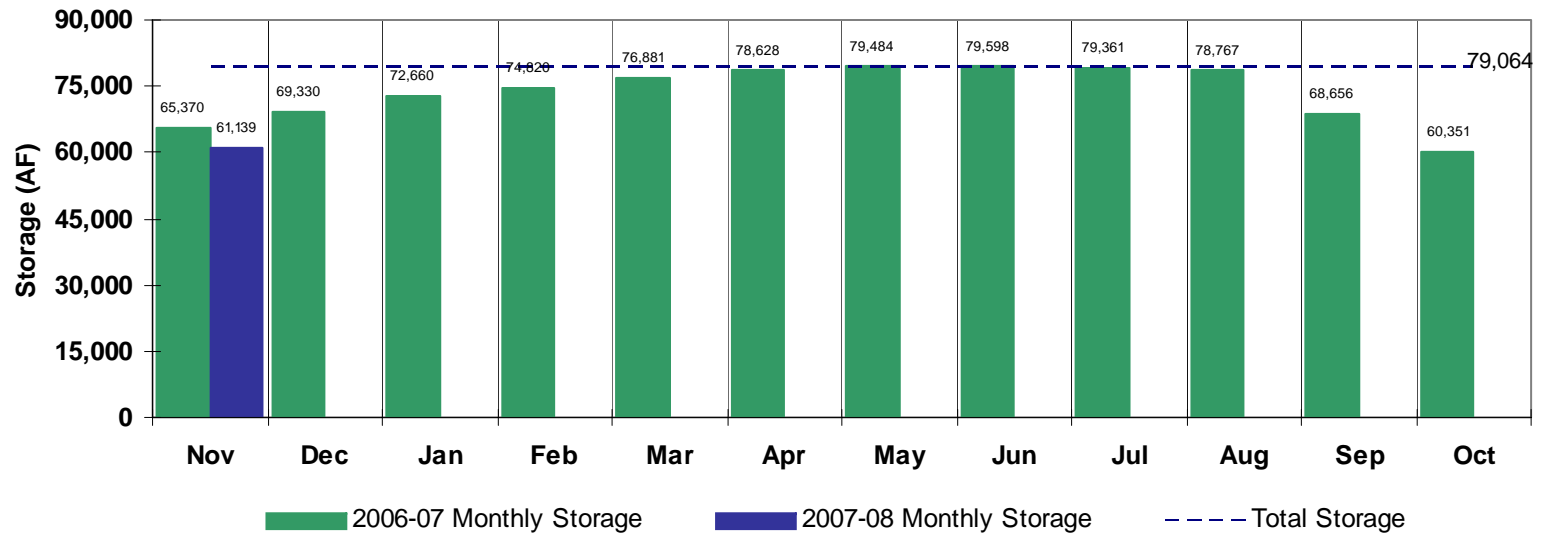
# Antero Reservoir

(District 23 - Municipal)



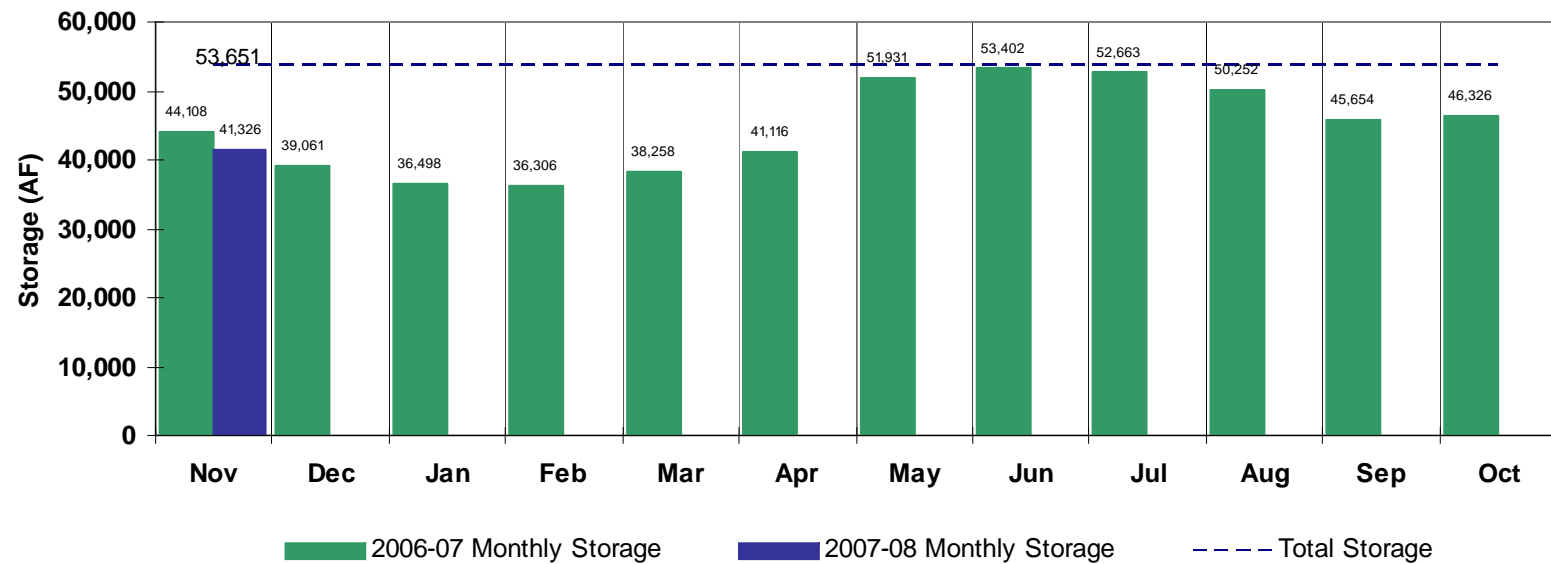
# Cheesman Reservoir

(District 80 - Municipal)



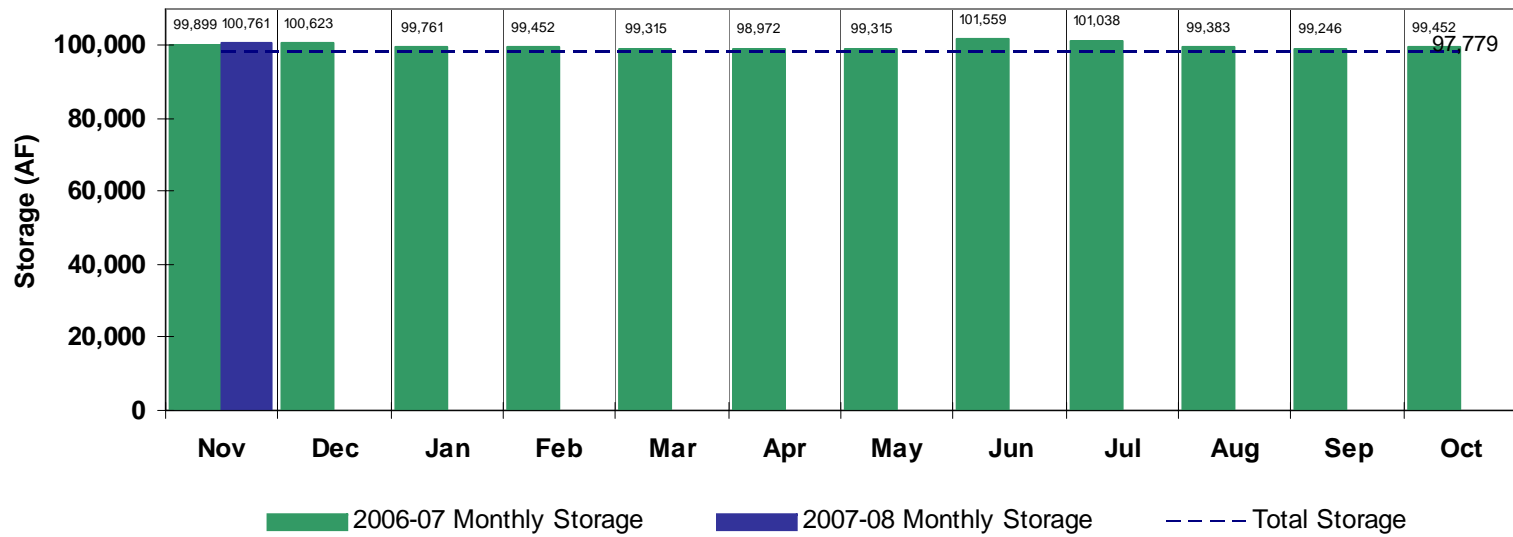
# Spinney Mountain Reservoir

(District 23 - Municipal)

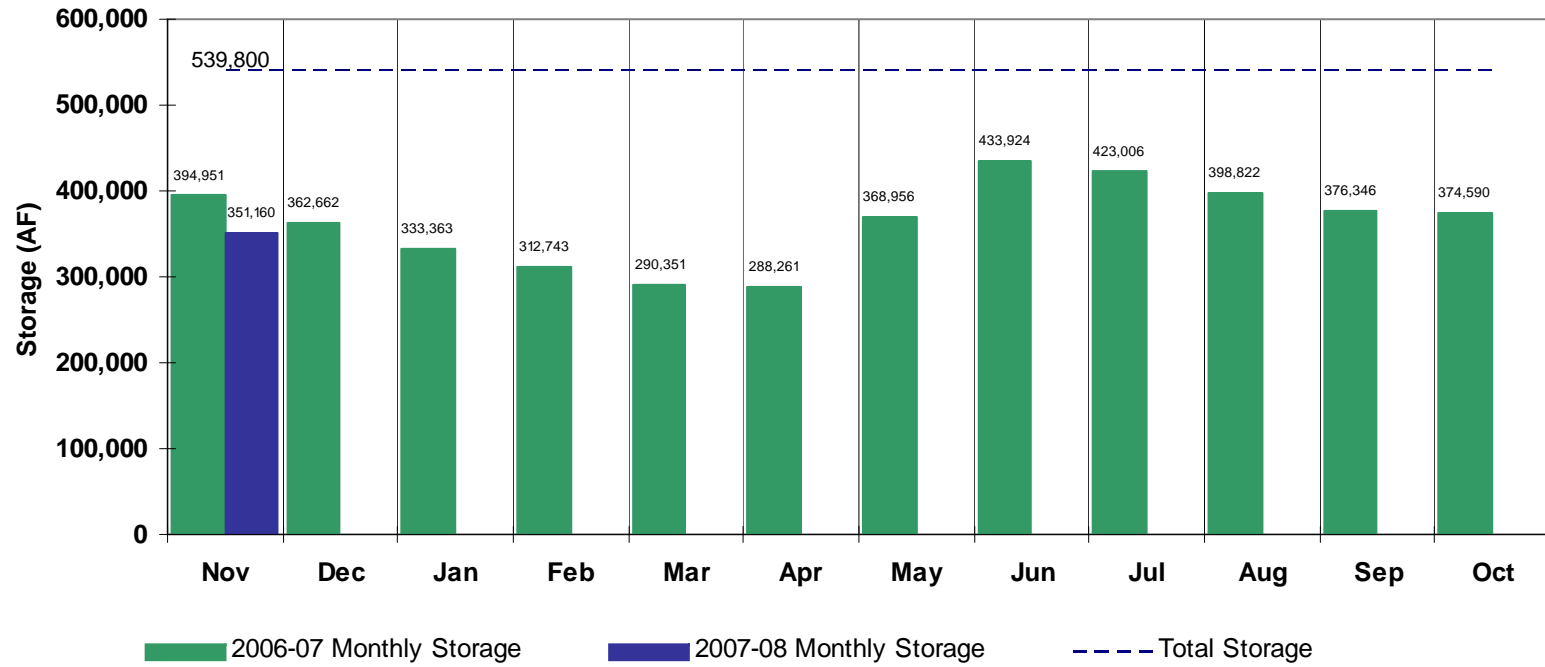


# Eleven Mile Reservoir

(District 23 - Municipal)



# Lake Granby





**Chunming Yu Cross Training at the  
Denver Gage  
(Photo by Jana Ash)**



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