

# South Platte Summary

January 2008



By Jana Ash

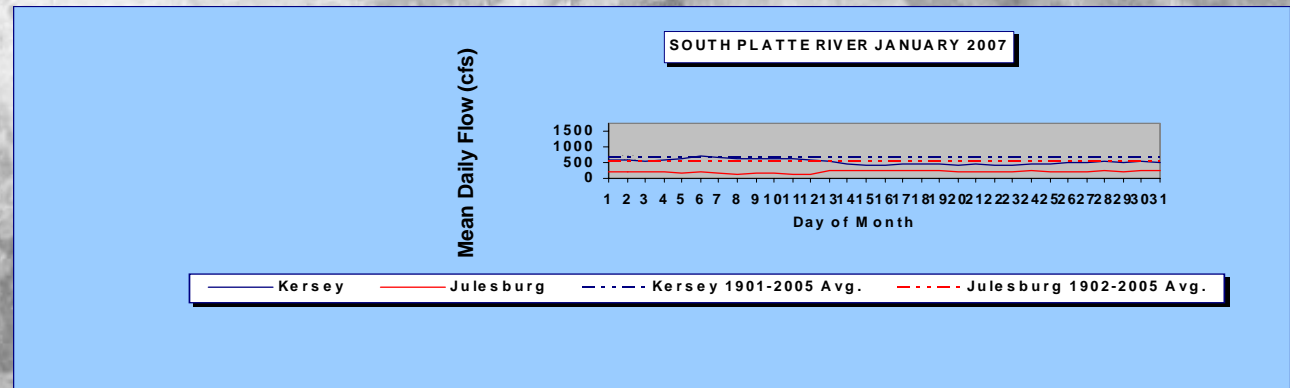
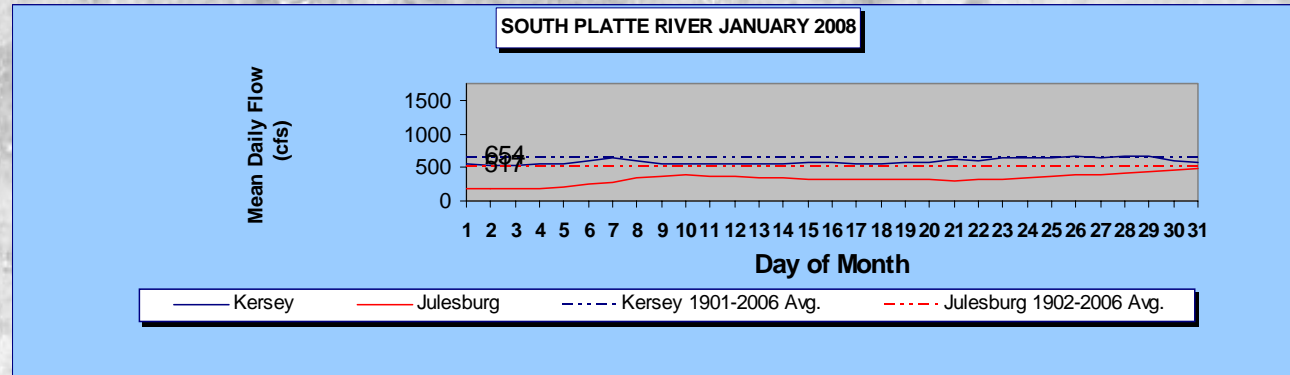
South Platte at Kersey  
(Photo by Jason Smith)

# COLORADO DIVISION OF WATER RESOURCES, DIVISION 1

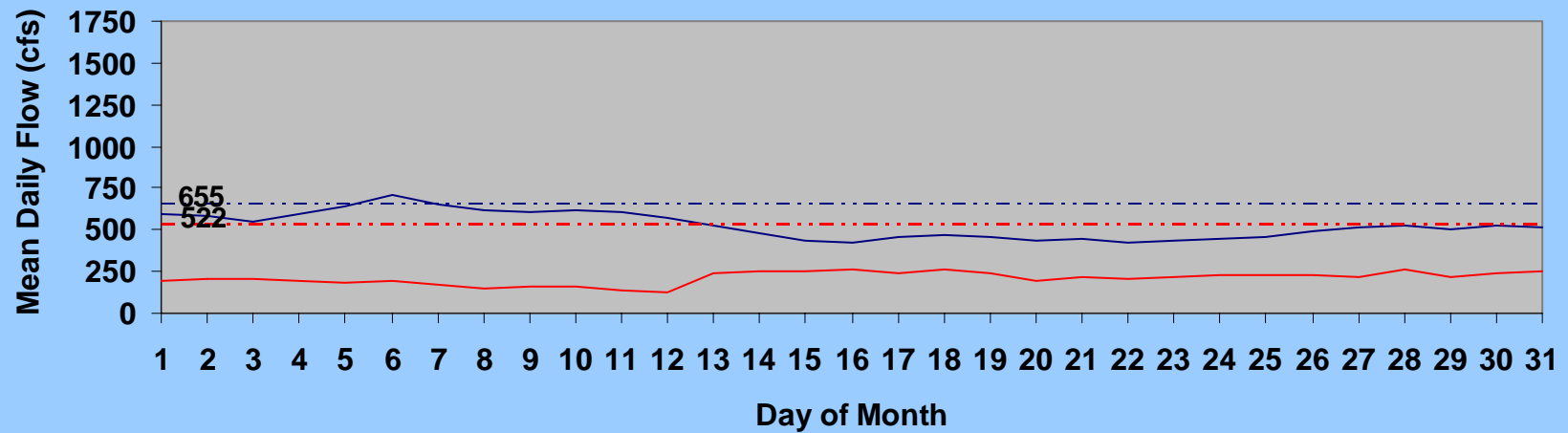
## MONTH OF JANUARY 2008

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	18,755	18,408	64	-347	-2%	81%	87%	0
N STERLING	73,730	42,066	49,176	64	7,110	17%	67%	47%	0
PREWITT	28,500	24,536	26,203	64	1,667	7%	92%	35%	0
JACKSON	27,257	25,106	25,213	1	107	0%	93%	75%	0
EMPIRE	37,700	8,419	14,609	1	6,190	74%	39%	38%	0
RIVERSIDE	63,113	51,584	50,026	1	-1,558	-3%	79%	70%	0
BARR LAKE	31,652	22,759	25,852	2	3,093	14%	82%	73%	0
CHEESMAN	79,064	65,153	68,735	80	3,582	5%	87%	92%	0
ELEVEN MILE	97,779	99,418	99,212	23	-206	0%	100%	100%	1,433
SPINNEY	53,651	41,326	41,116	23	-210	-1%	77%	68%	0
ANTERO	20,015	20,125	20,015	23	-110	-1%	100%	86%	0

RIVER GAGES	MEAN DAILY FLOW (CFS)
<b>KERSEY</b>	<b>589</b>
<b>JULESBURG</b>	<b>323</b>
<b>THIS MONTH LAST YEAR</b>	
<b>KERSEY</b>	<b>526</b>
<b>JULESBURG</b>	<b>209</b>
<b>MEAN FOR PERIOD OF RECORD*</b>	
<b>KERSEY</b>	<b>654</b>
<b>JULESBURG</b>	<b>517</b>
* 1901-2006	
1902-2006	

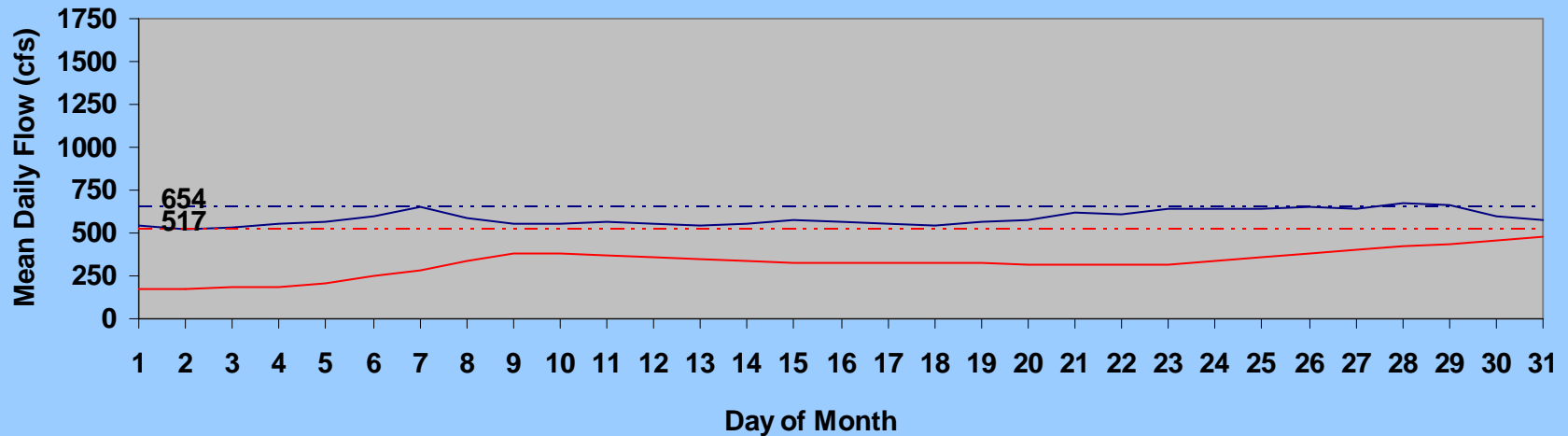


# SOUTH PLATTE RIVER JANUARY 2007



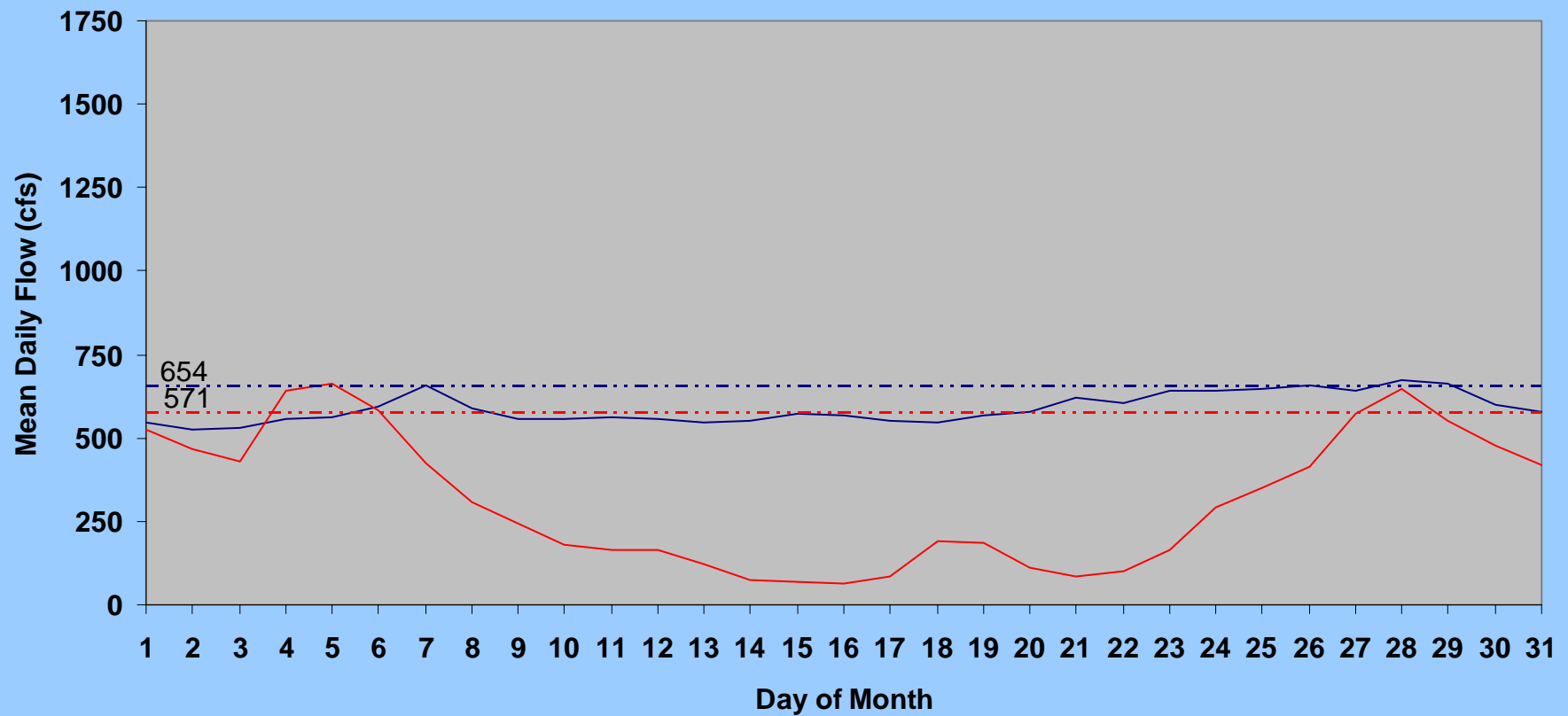
— Kersey      — Julesburg      - - - Kersey 1901-2005 Avg.      - - - Julesburg 1902-2005 Avg.

# SOUTH PLATTE RIVER JANUARY 2008



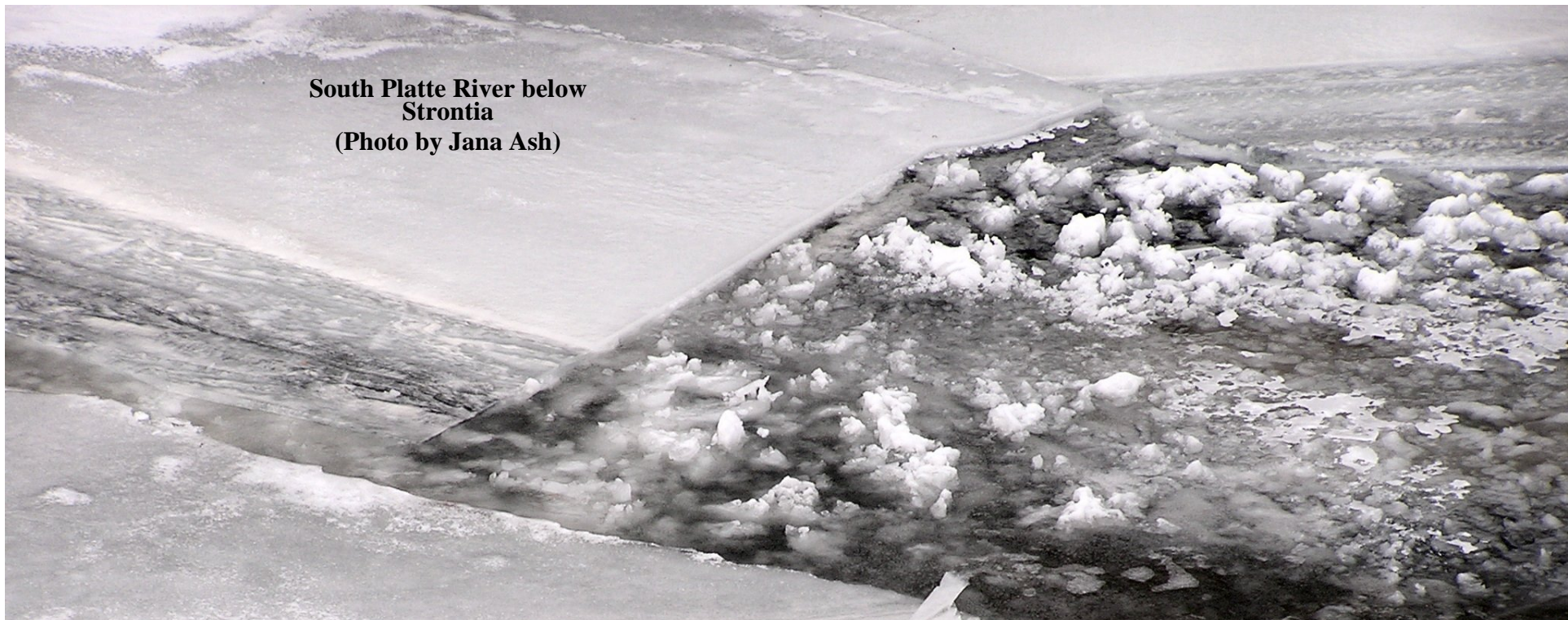
— Kersey      — Julesburg      - - - Kersey 1901-2006 Avg.      - - - Julesburg 1902-2006 Avg.

# KERSEY and BALZAC JANUARY 2008



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

South Platte River below  
Strontia  
(Photo by Jana Ash)



## South Platte River Monthly Stream Flow (cfs) Statistics

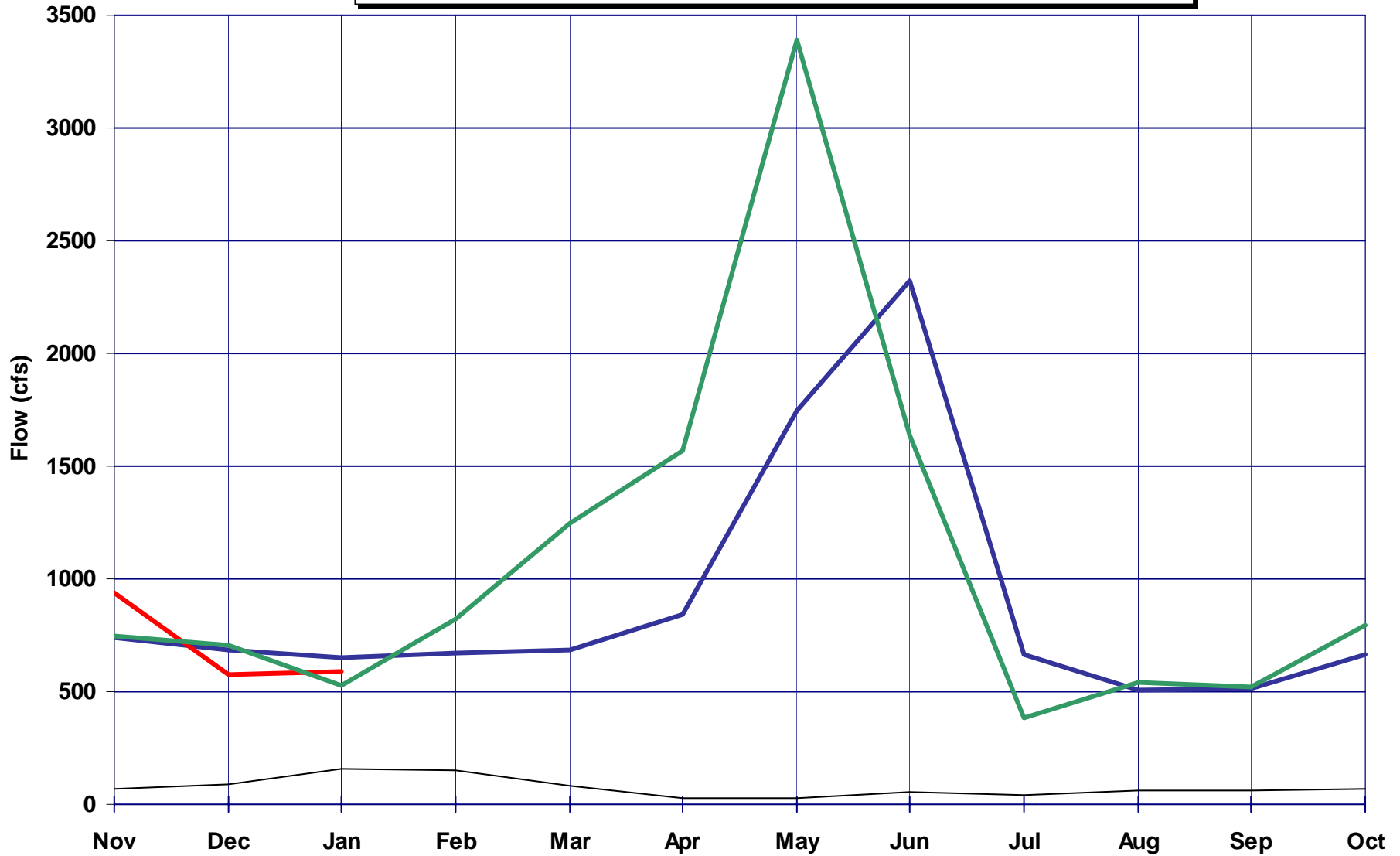
South Platte River at Kersey							South Platte River at Julesburg						
Month	Historic* Mean Flow	Historic* Max Flow	Year	Historic* Min Flow	Year	IY 2008 Mean Monthly Flow	Month	Historic* Mean Flow	Historic* Max Flow	Year	Historic* Min Flow	Year	IY 2008 Mean Monthly Flow
Nov	737	3650	1984	70	1934	938	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		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

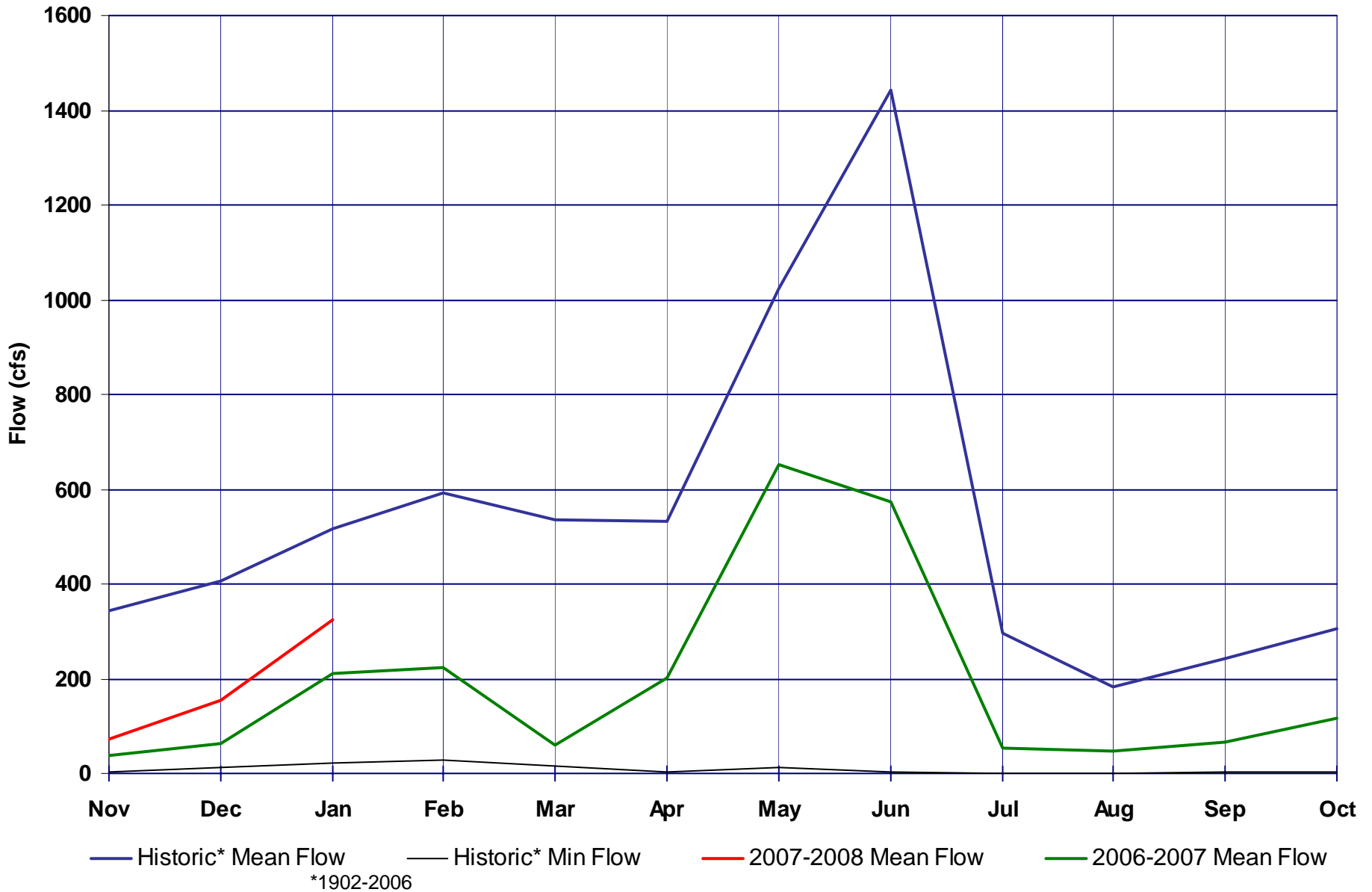
Historic\* Min Flow

2007-2008 Mean Flow

2006-2007 Mean Flow

# South Platte River at Julesburg

Irrigation Water Year





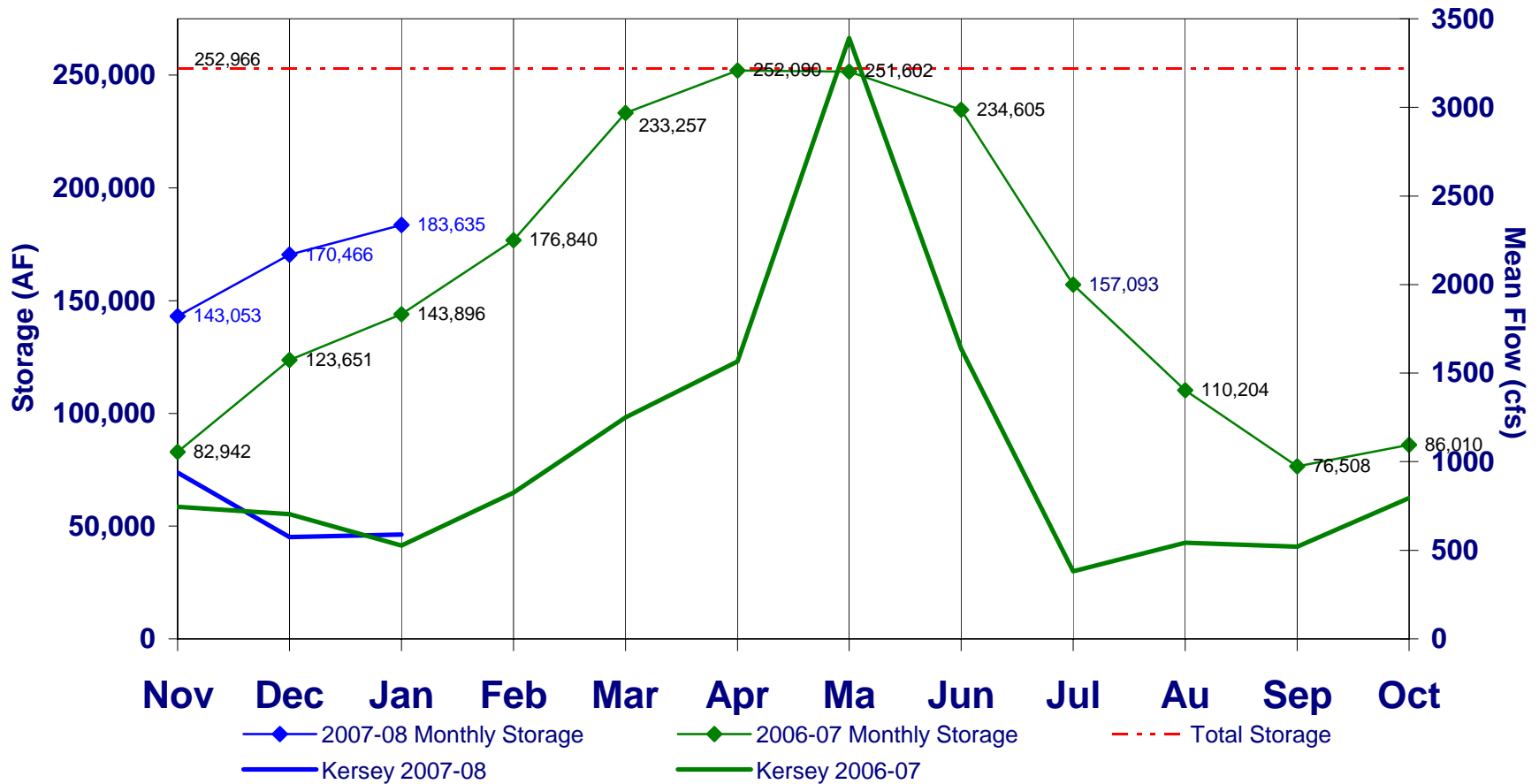
A black and white photograph of a river with large ice dams and icicles hanging from the banks. The water is turbulent and white with foam as it flows through the narrow passages between the ice. The banks are covered in snow and large, flat ice sheets. The overall scene is a winter landscape of a partially frozen river.

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

**South Platte River below Strontia  
(Photo Jana Ash)**

# Reservoir Storage below Kersey

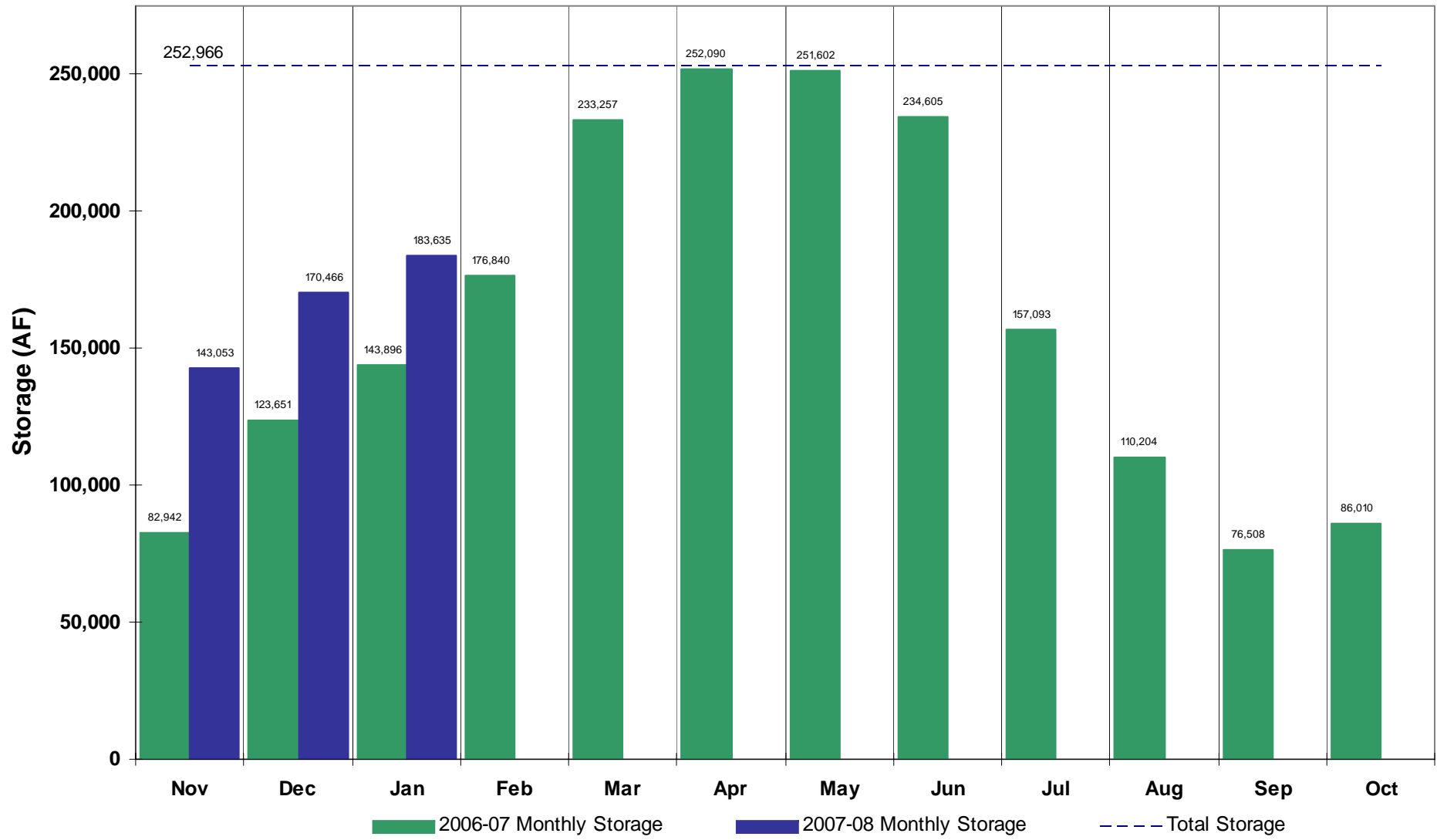
Selected Reservoirs\*



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

# South Platte Reservoirs

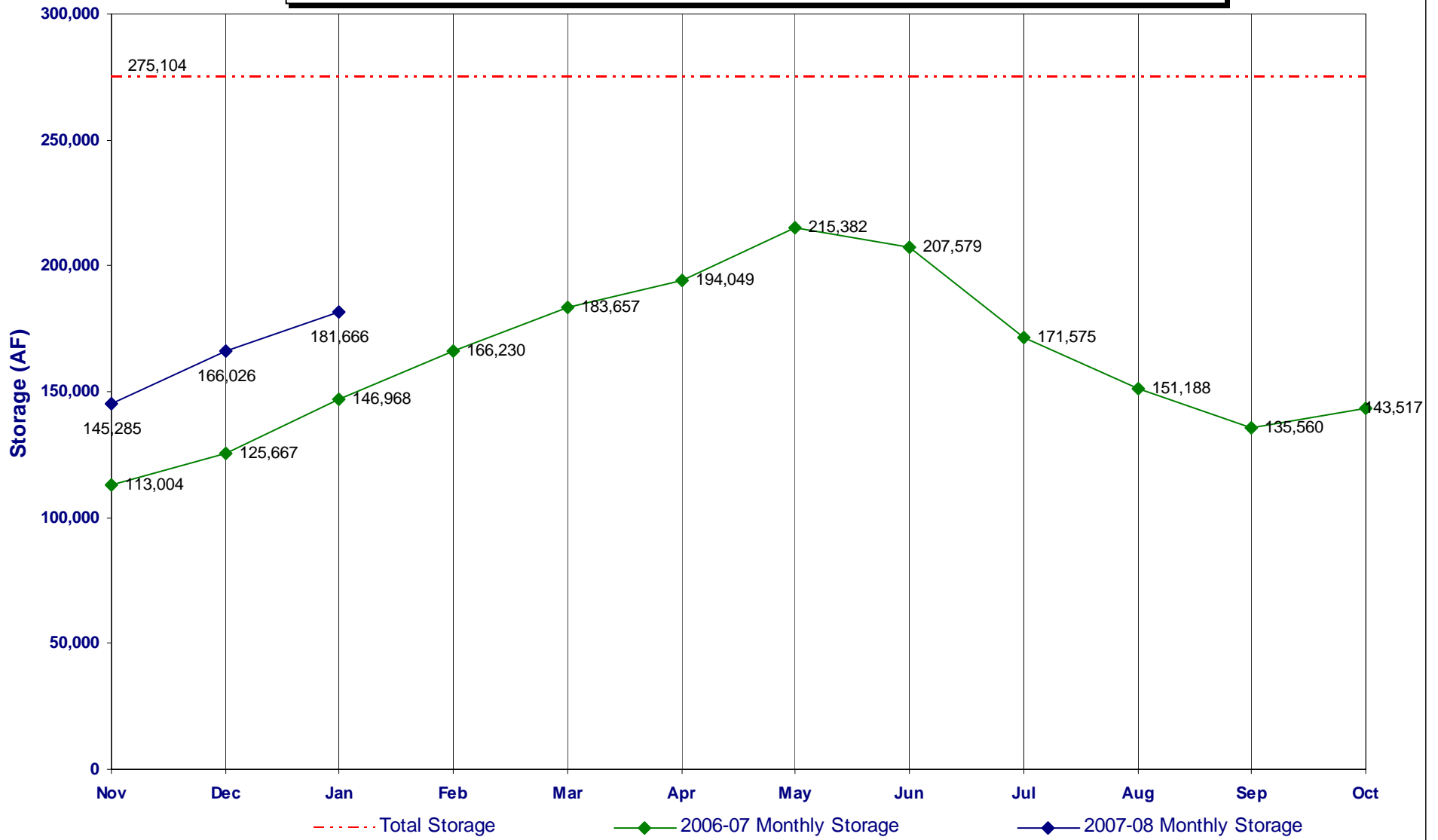
## Storage below Kersey\*



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

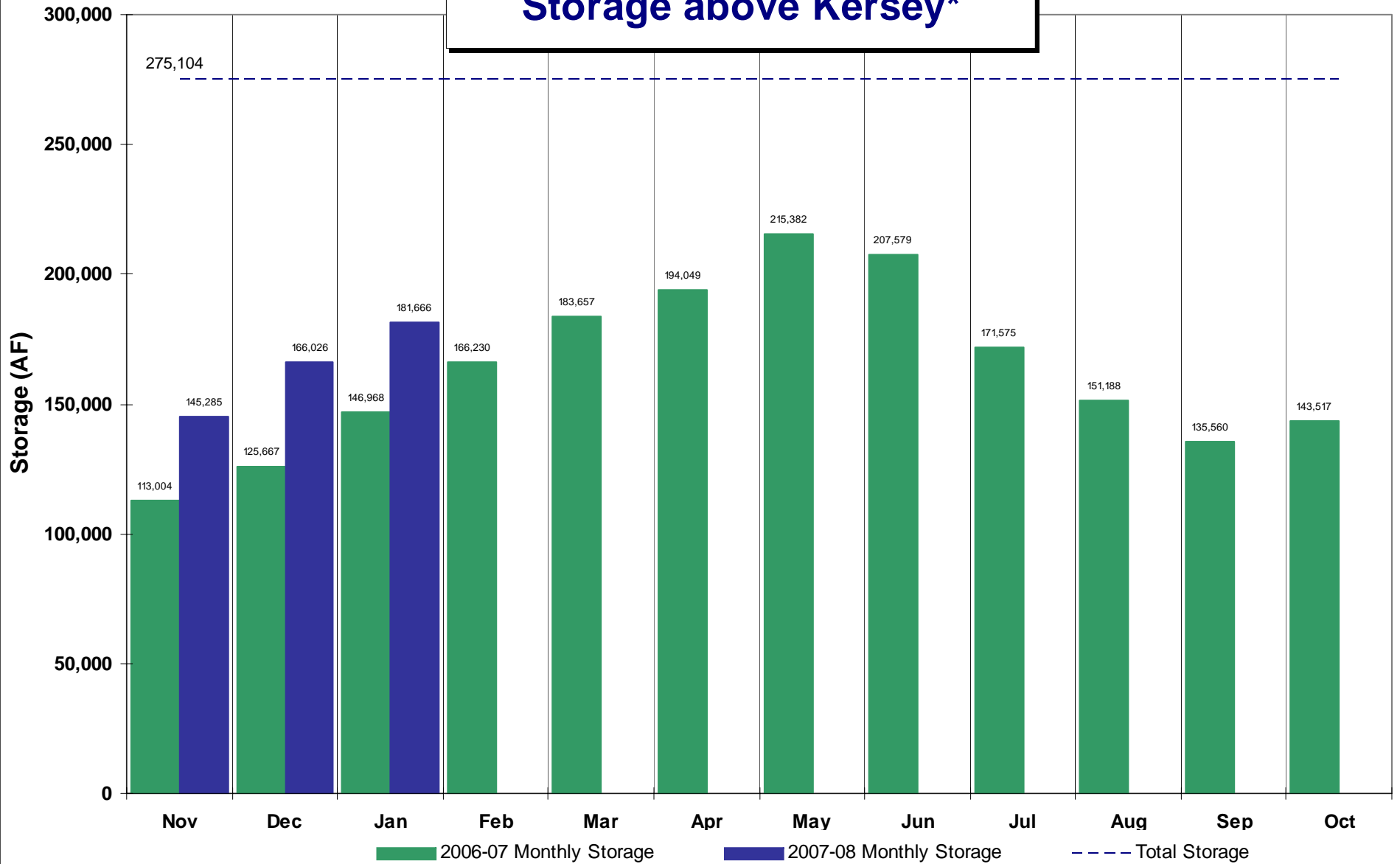
# Reservoir Storage above Kersey

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

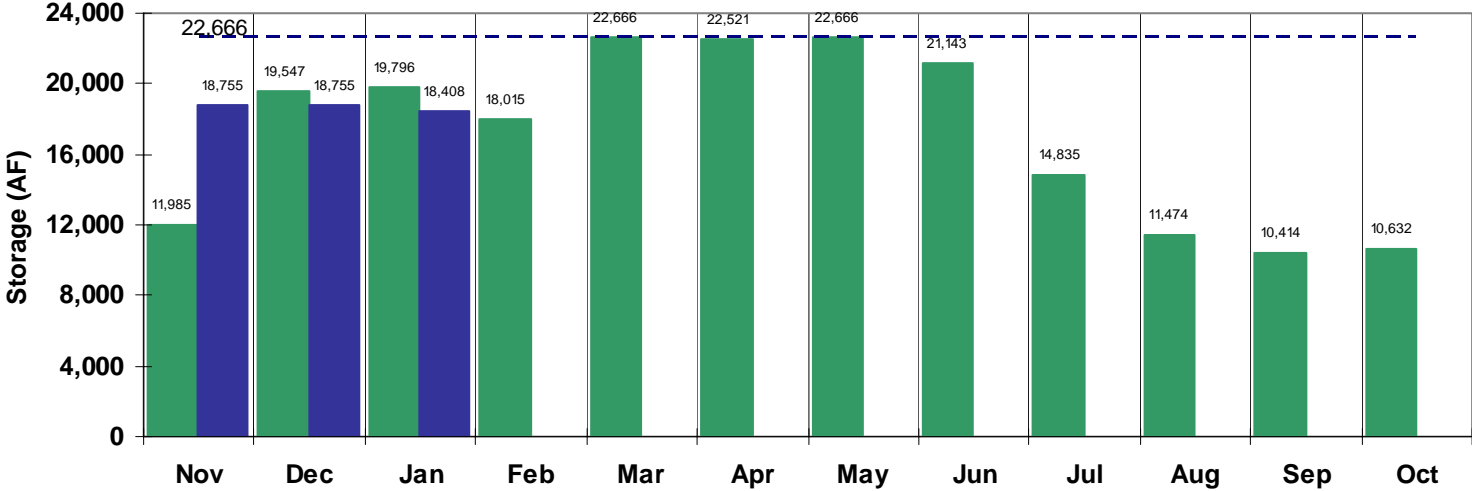
# Individual Reservoir Storage Follows



**Weldon Gage**  
**(Photo by Jason Smith)**

# Julesburg Reservoir

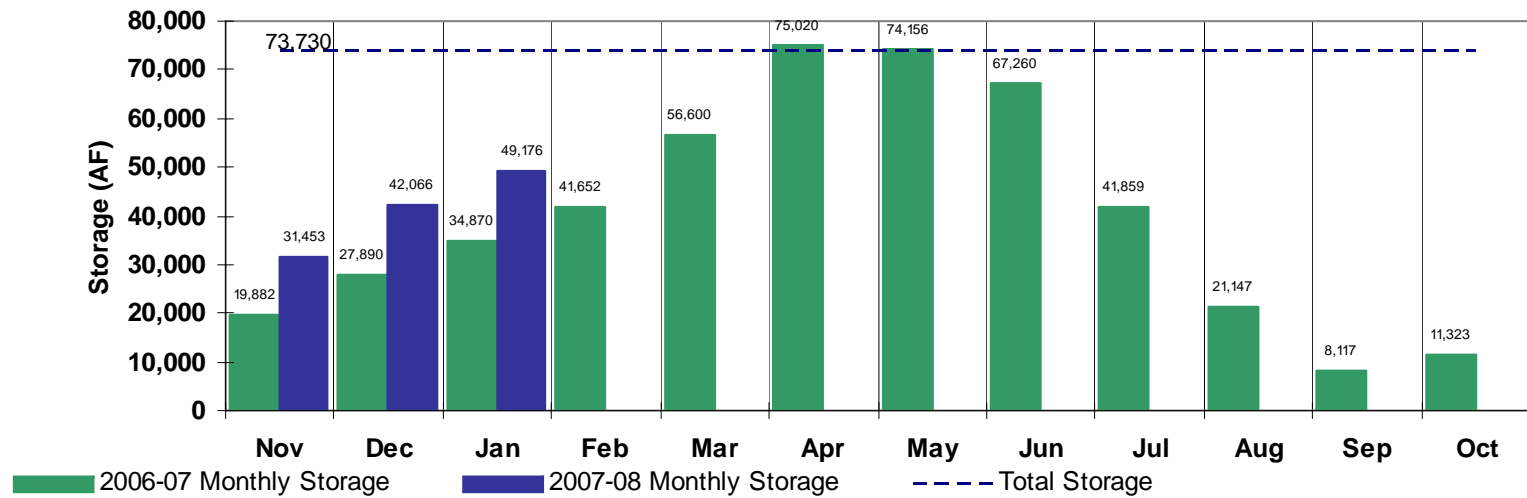
(District 64 - Agricultural)



■ 2006-07 Monthly Storage   ■ 2007-08 Monthly Storage   - - - Total Storage

# North Sterling Reservoir

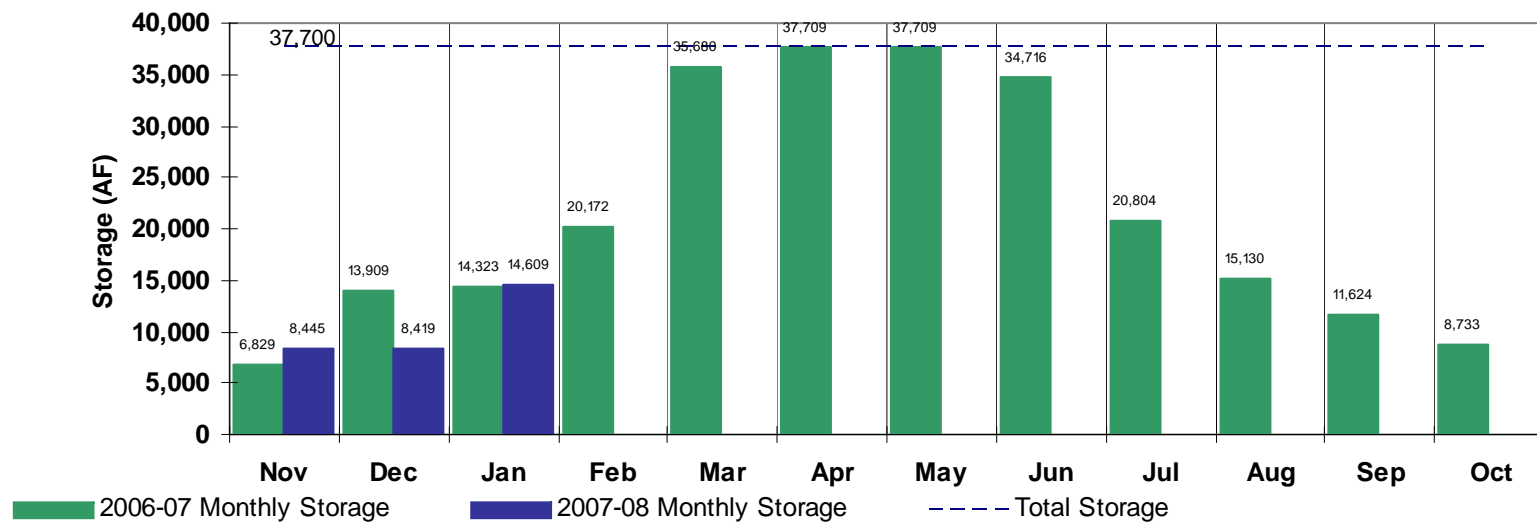
(District 64- Agricultural)





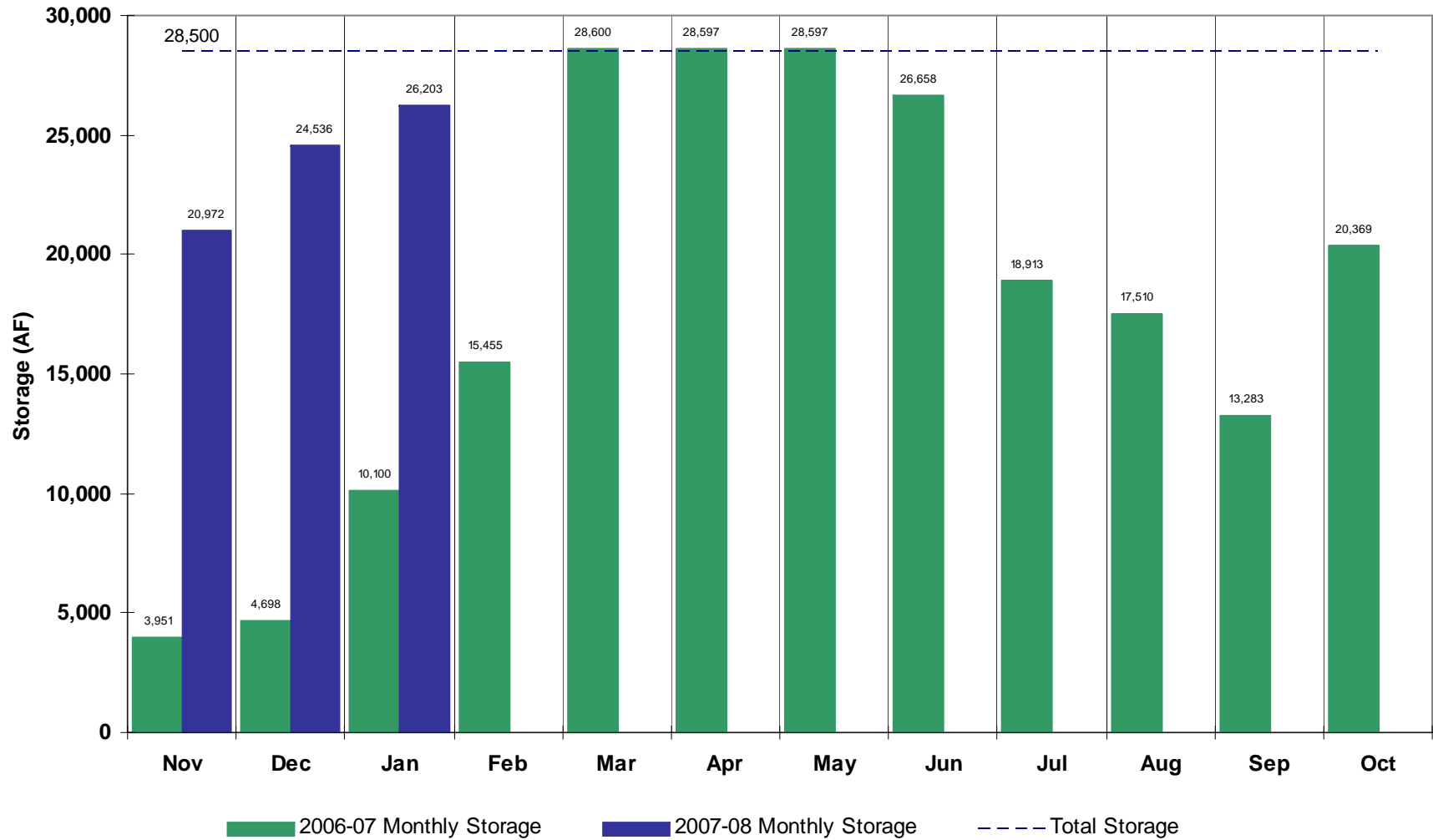
# Empire Reservoir

## (District 1- Agricultural)



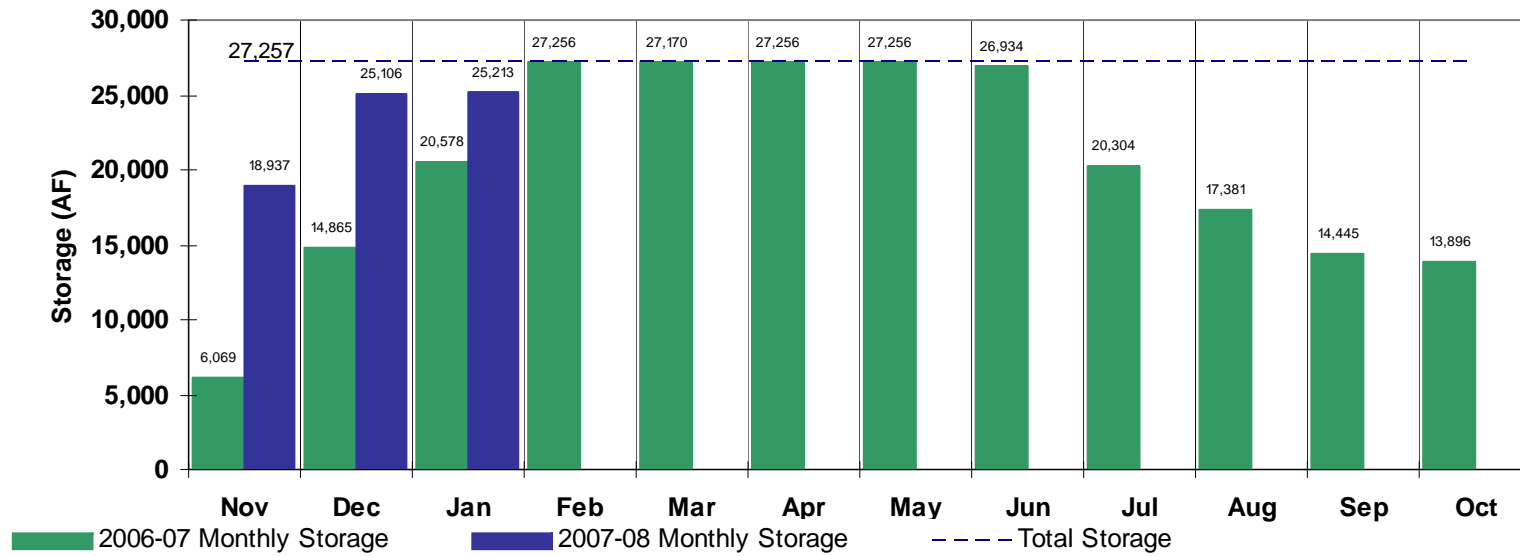
# Prewitt Reservoir

(District 64- Agricultural)



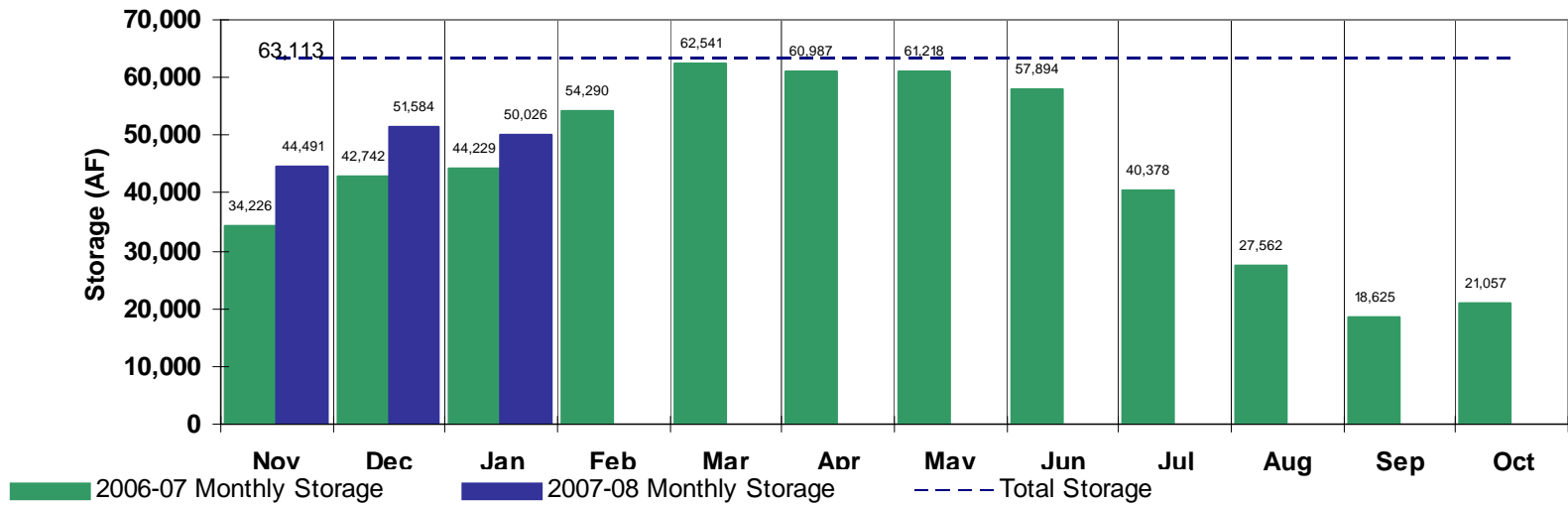
# Jackson Reservoir

(District 1- Agricultural)



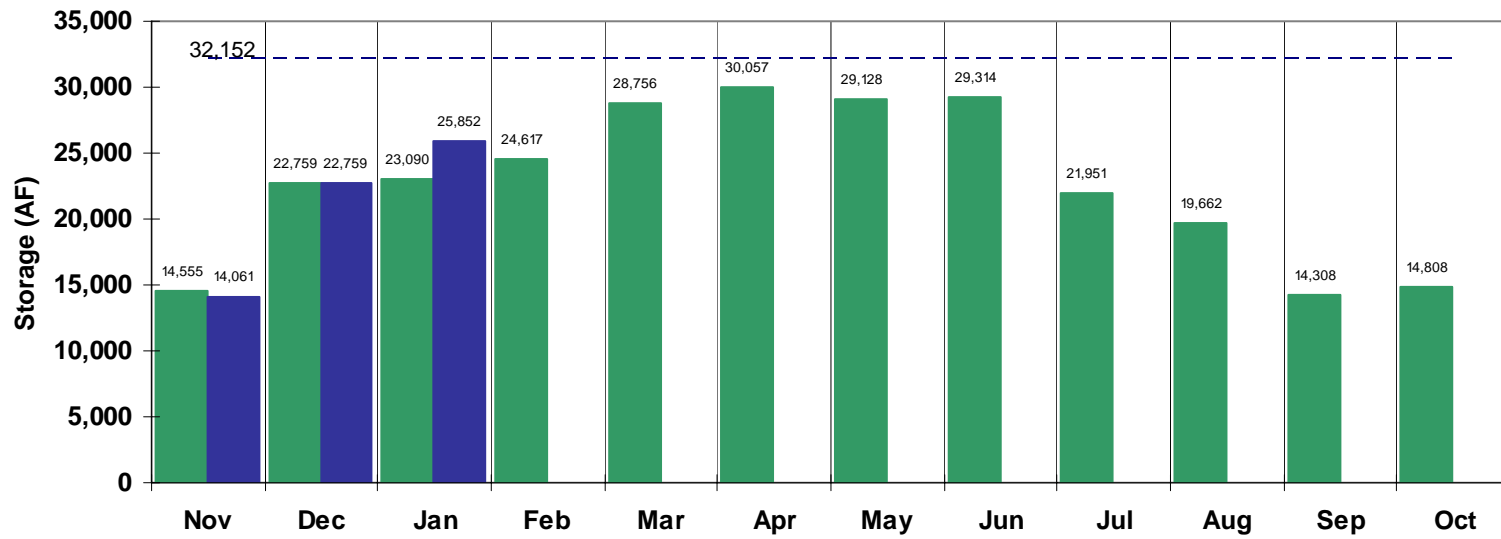
# Riverside Reservoir

(District 1 - Agricultural)



# Barr Lake

(District 2 - Agricultural)



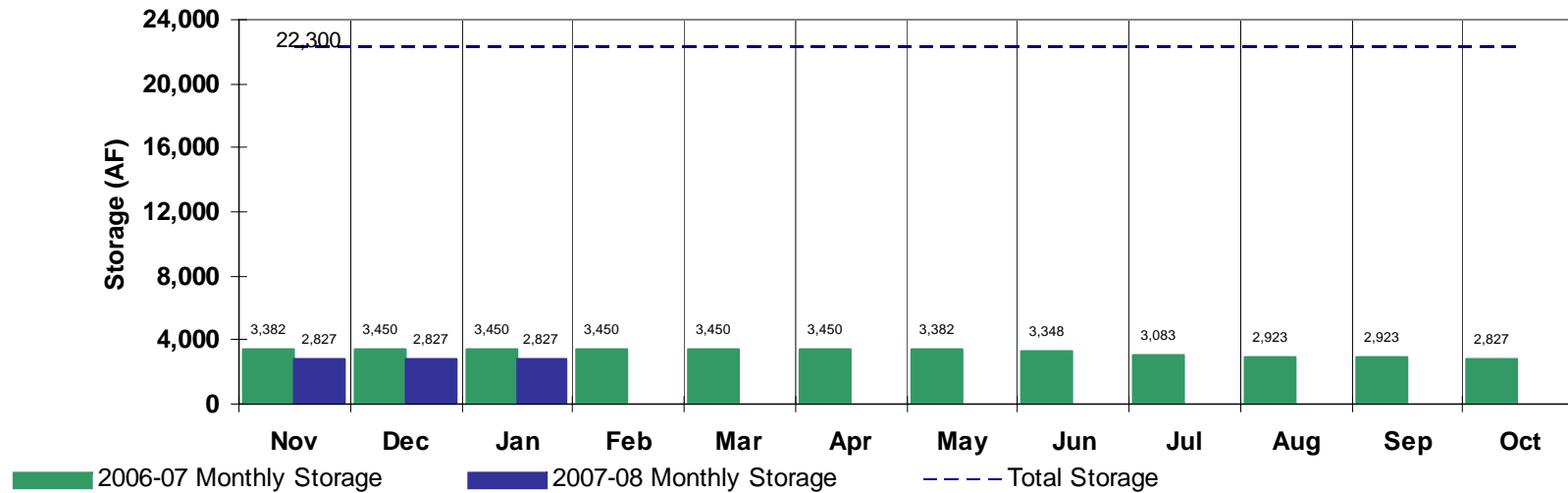
2006-07 Monthly Storage

2007-08 Monthly Storage

Total Storage

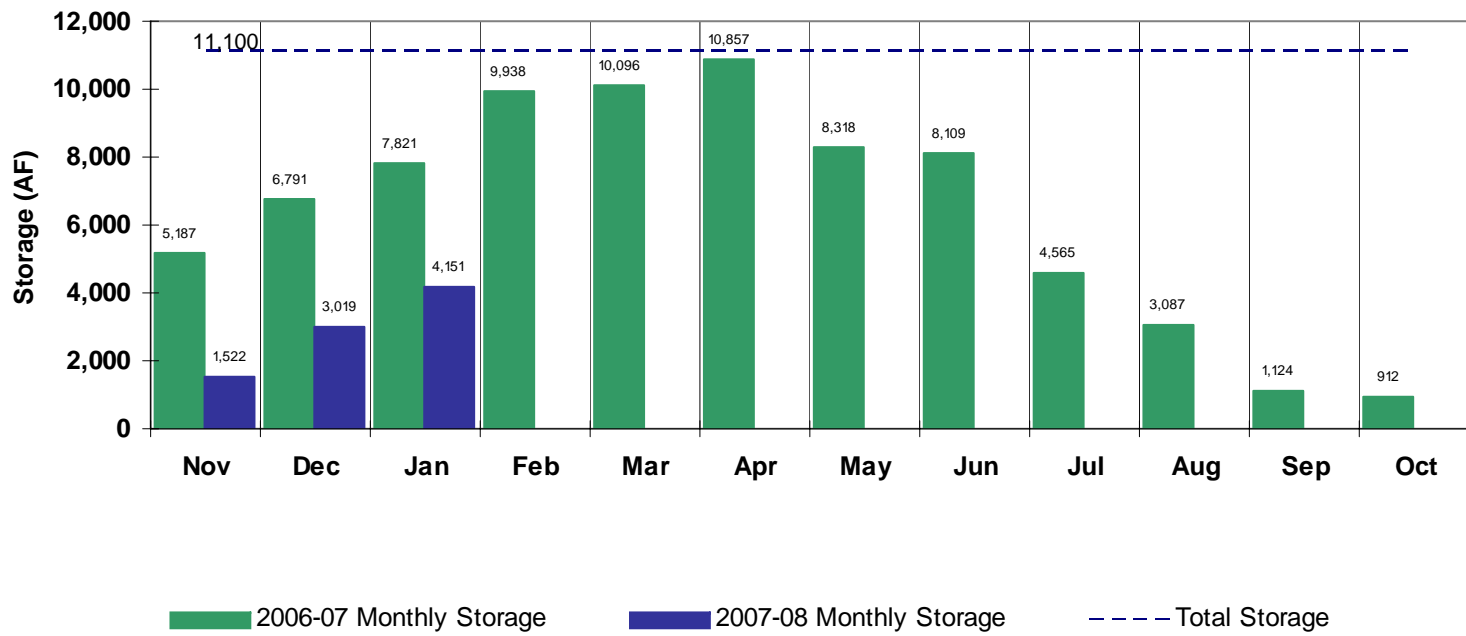
# Cobb Lake

(District 3, Poudre River - Agricultural)



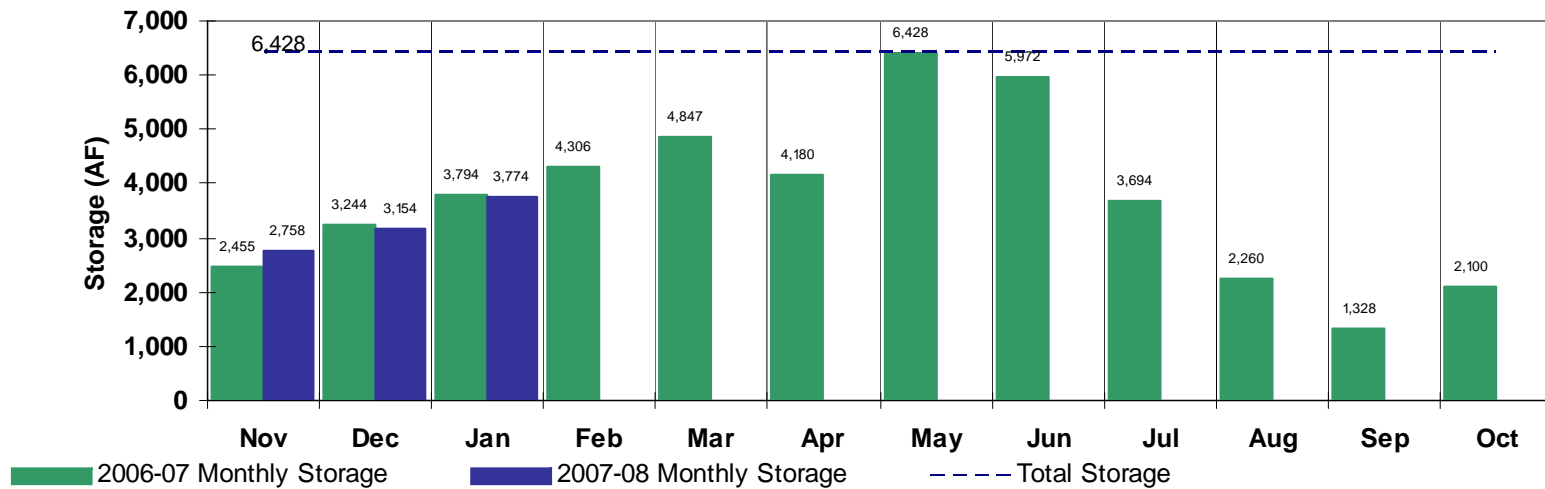
# Fossil Creek Reservoir

(District 3, Poudre River - Agricultural)



# Halligan Reservoir

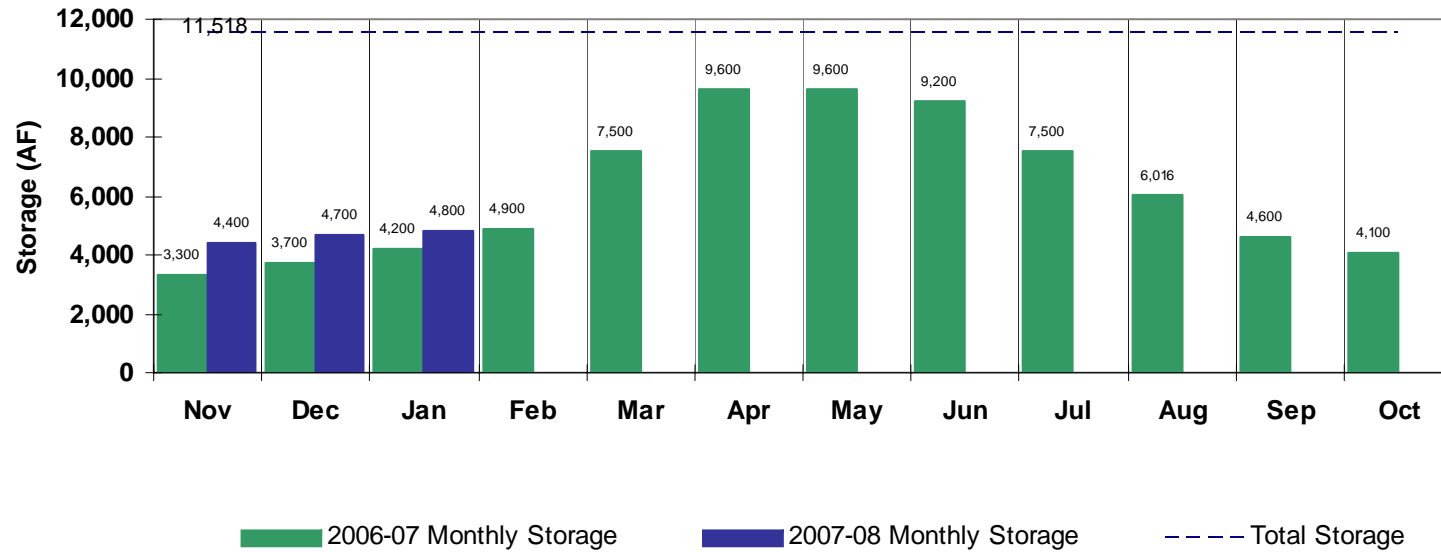
(District 3, Poudre River - Agricultural)





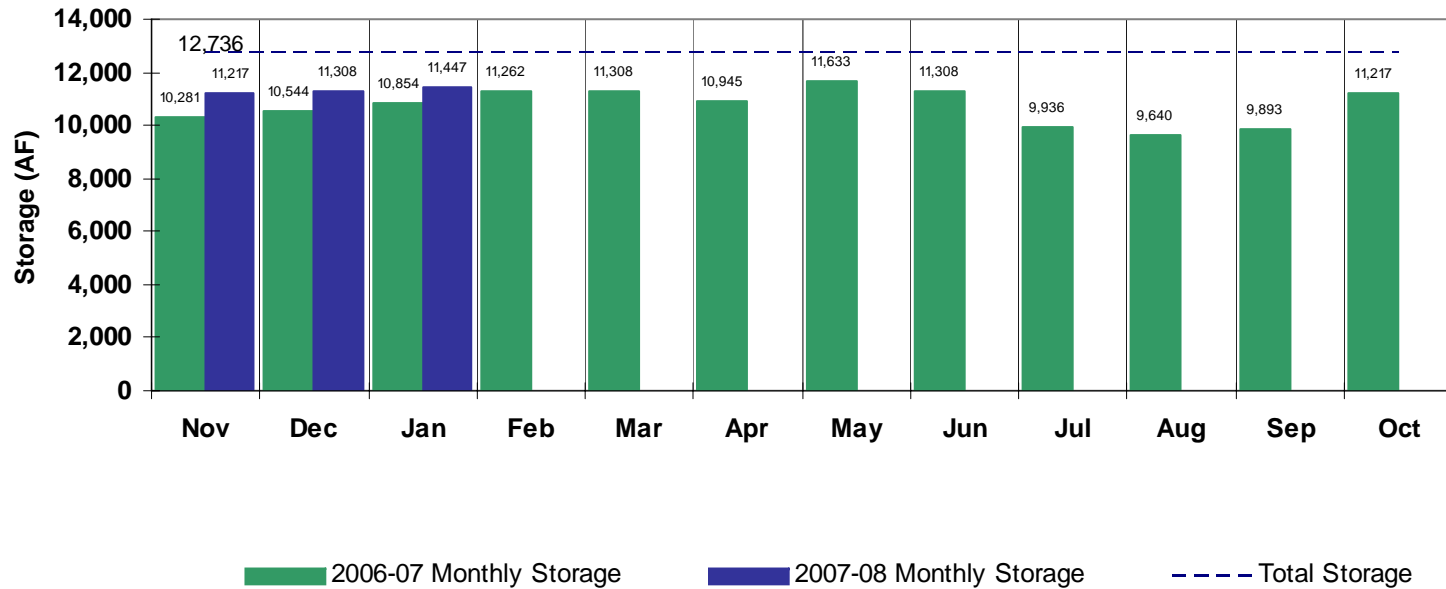
# Marshall Lake

(District 6, Boulder Creek - Agricultural)



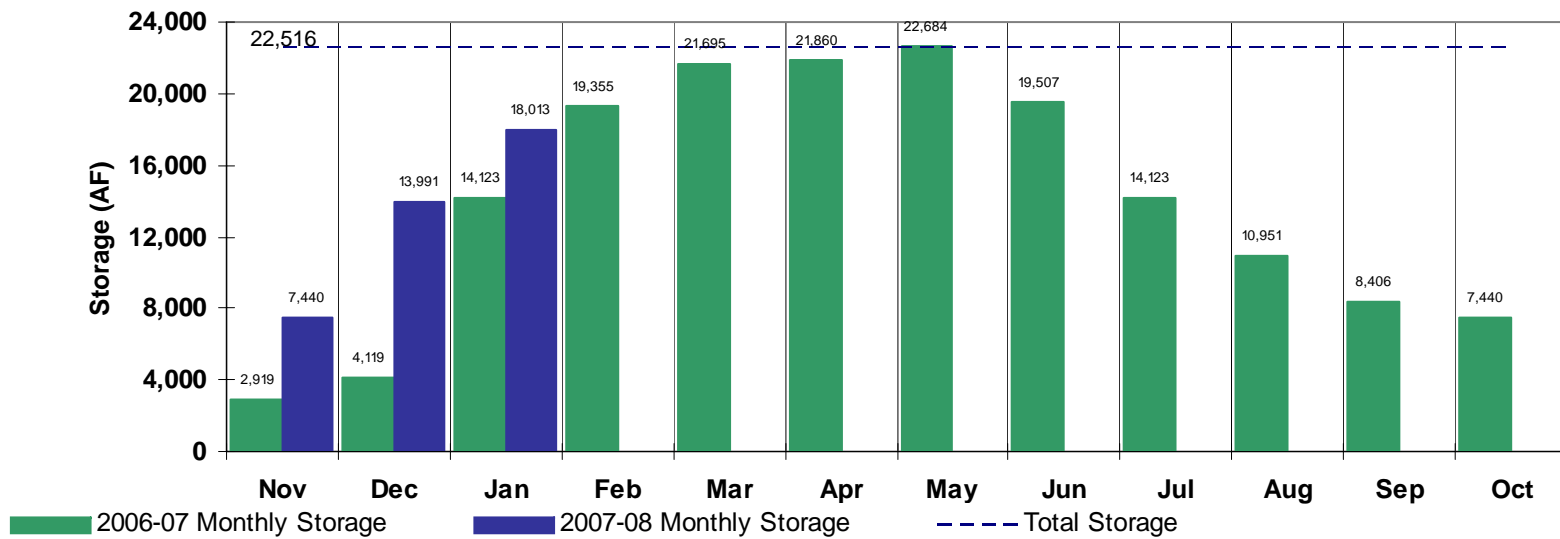
# Loveland Greeley Reservoir

(District 4, Big Thompson River - Agricultural)



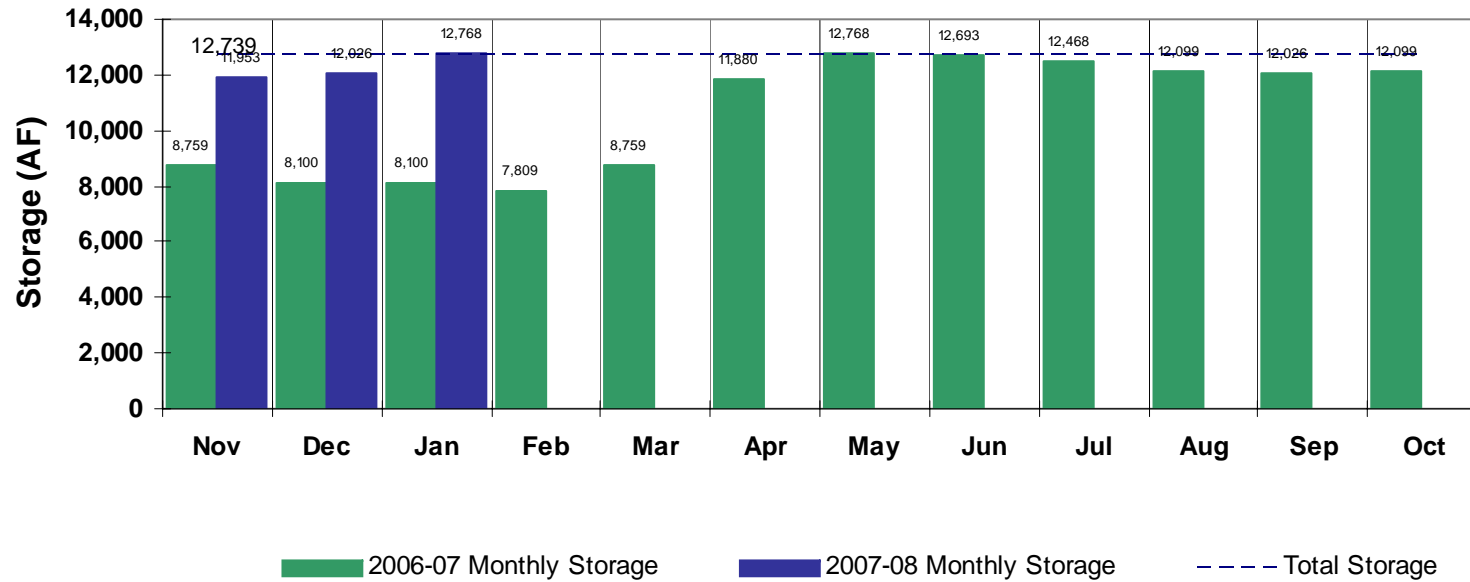
# Milton Reservoir

(District 2 - Agricultural)

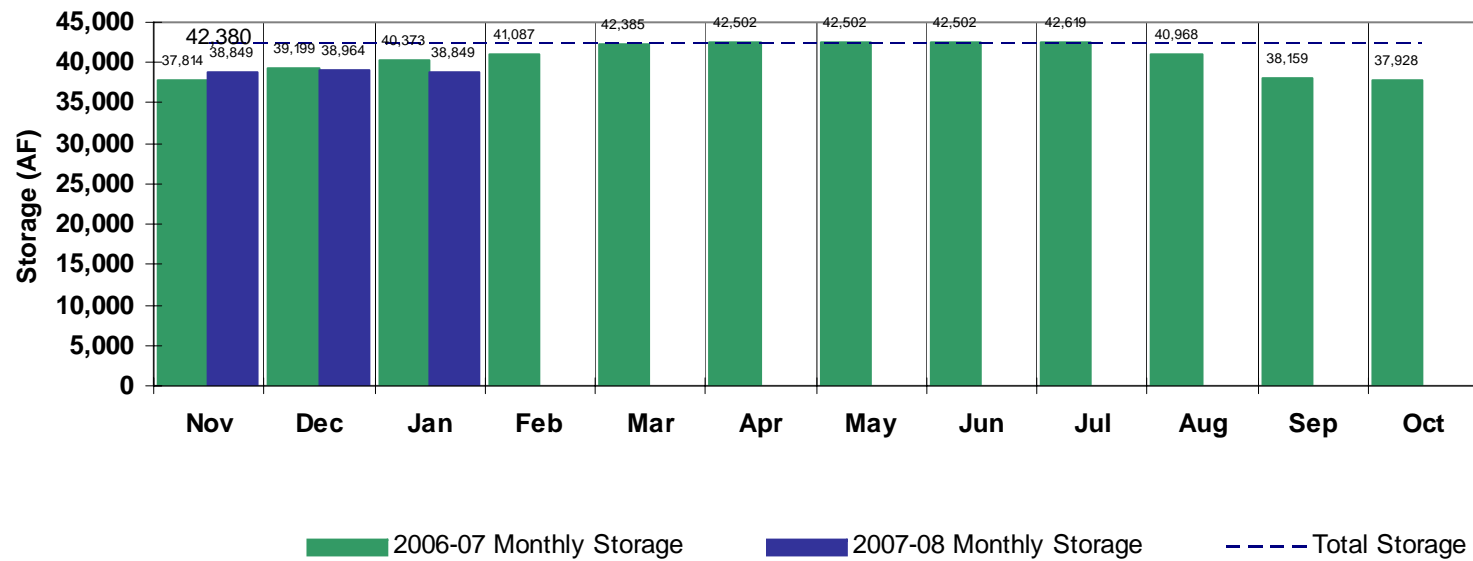


# Union Reservoir

(District 5, St. Vrain Creek - Agricultural)

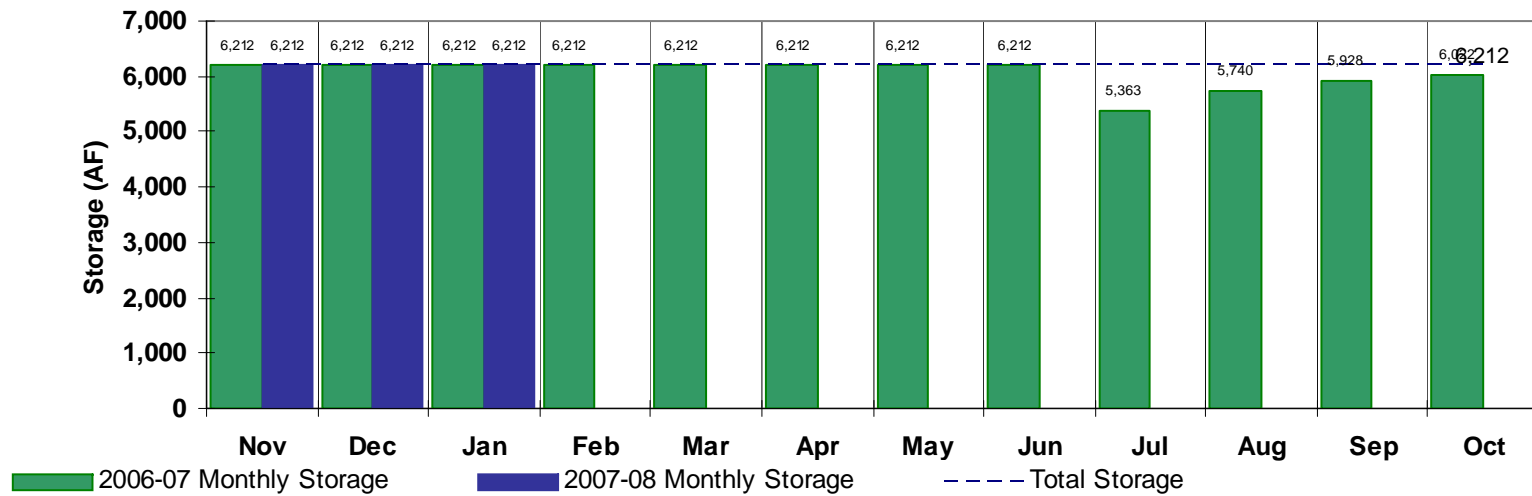


# Standley Lake (Agricultural)



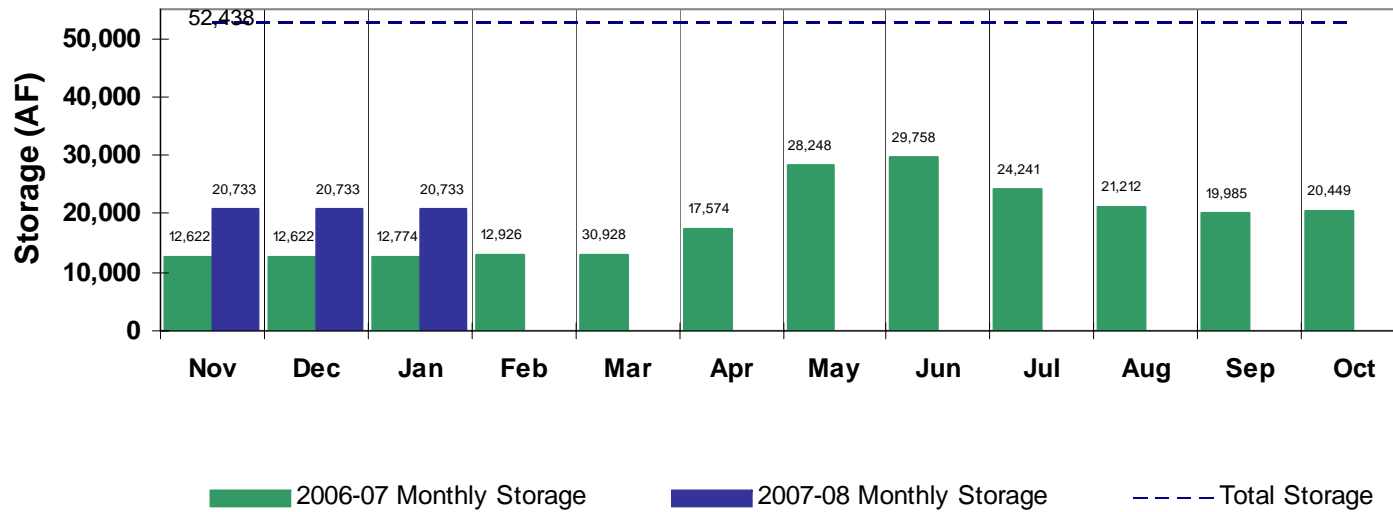
# Lower Latham Reservoir

(District 2 - Agricultural)



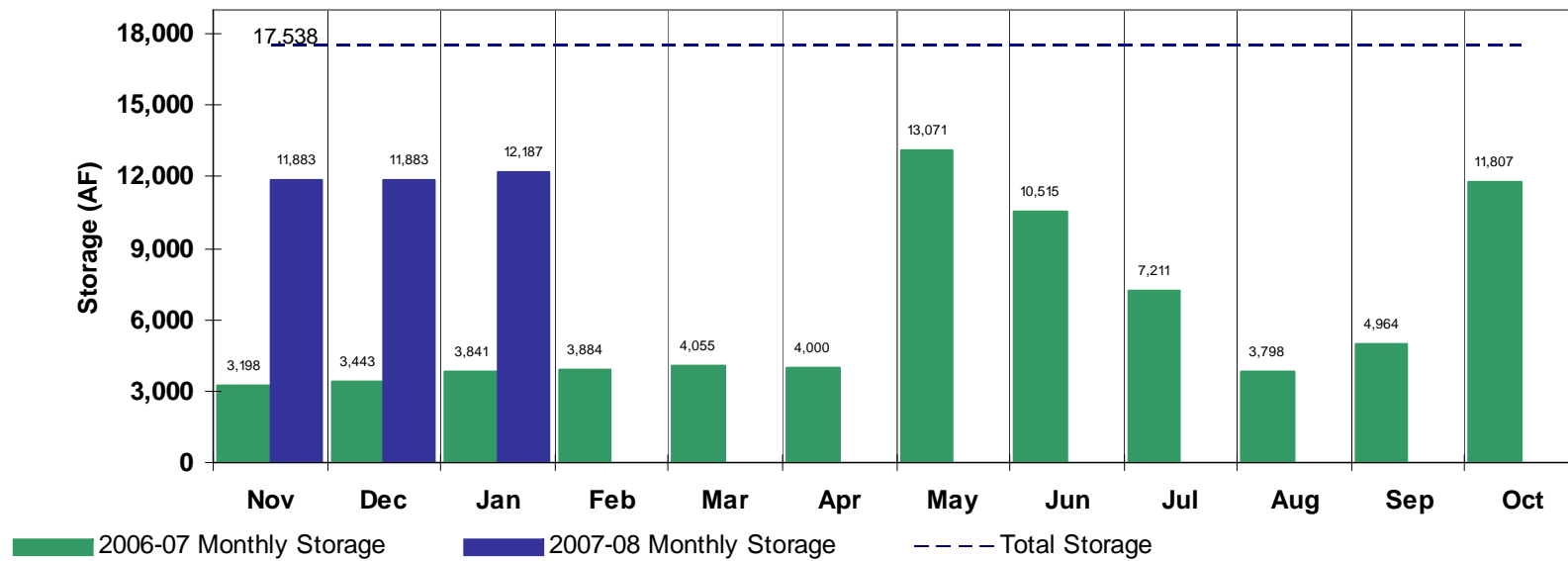
# Boyd Lake

(District 4, Big Thompson River - Agricultural)



# Windsor Reservoir

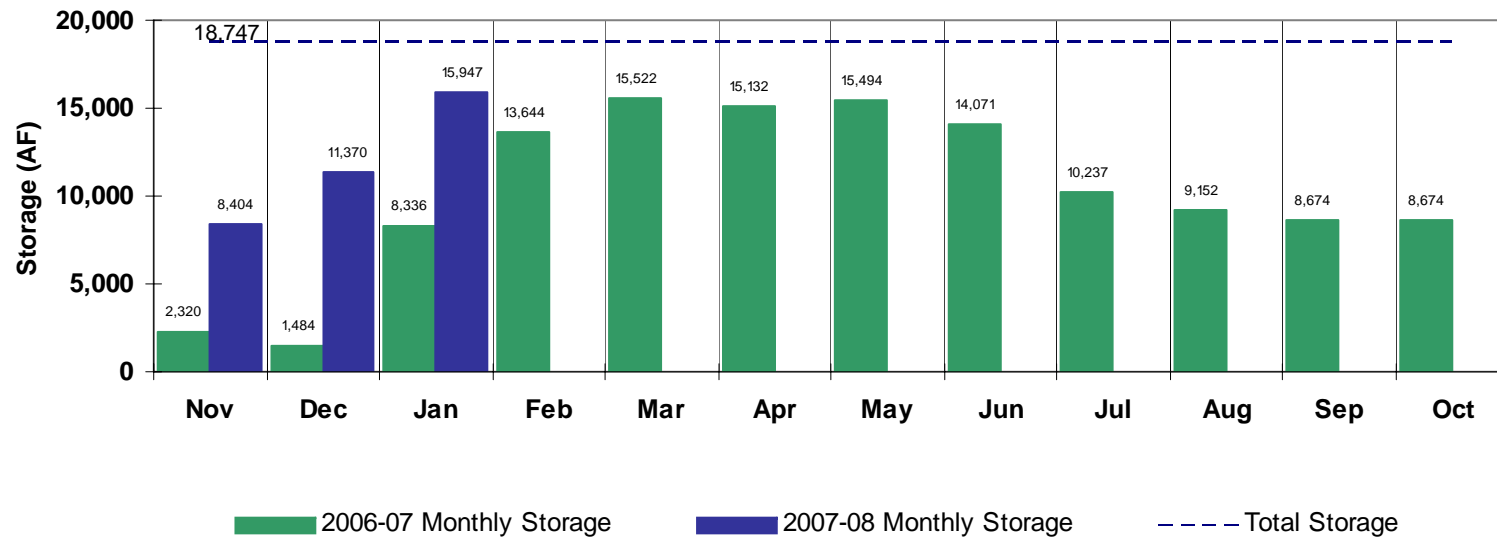
(District 3, Poudre River - Agricultural)





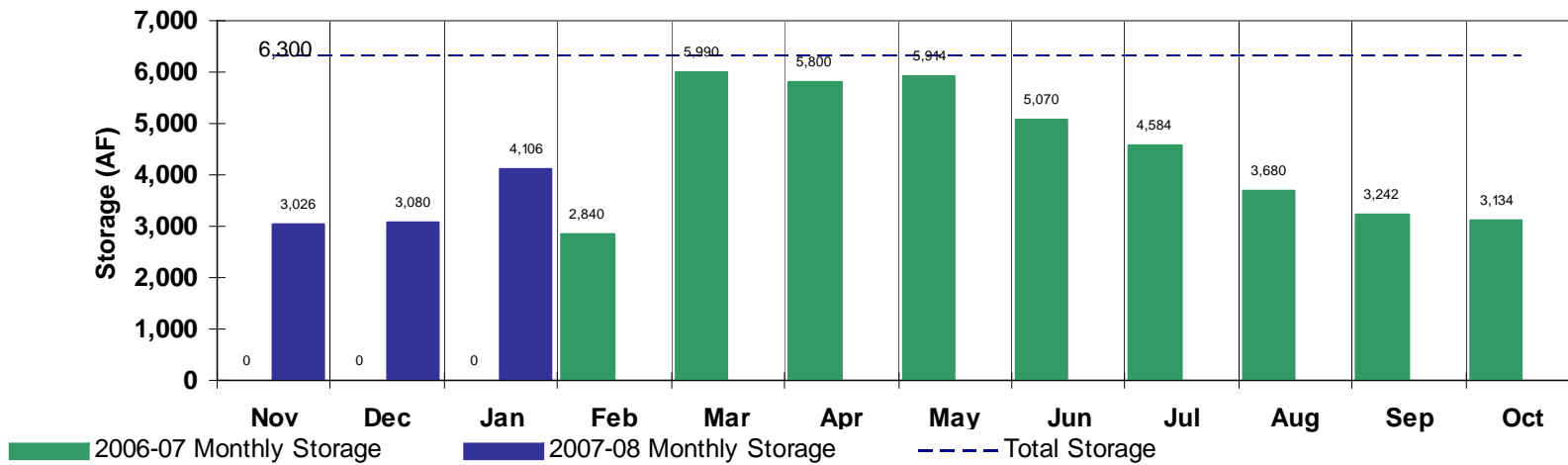
# Horse Creek Reservoir

(District 1 - Agricultural)



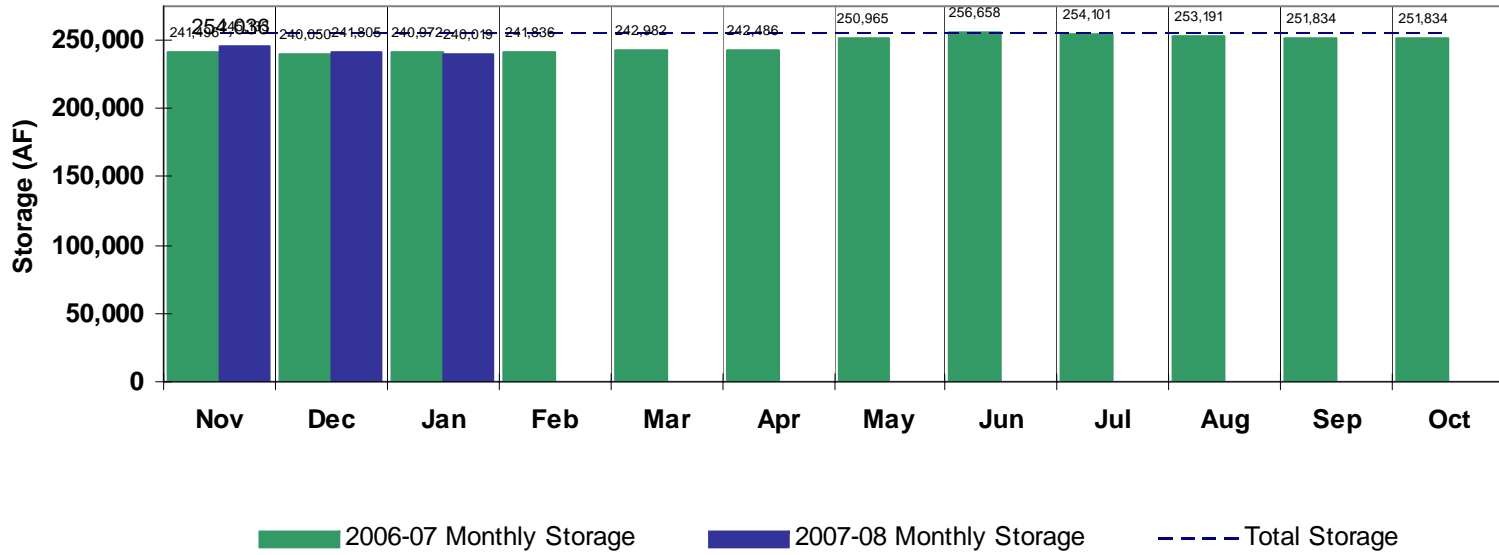
# Prospect Reservoir

(District 1- Agricultural)



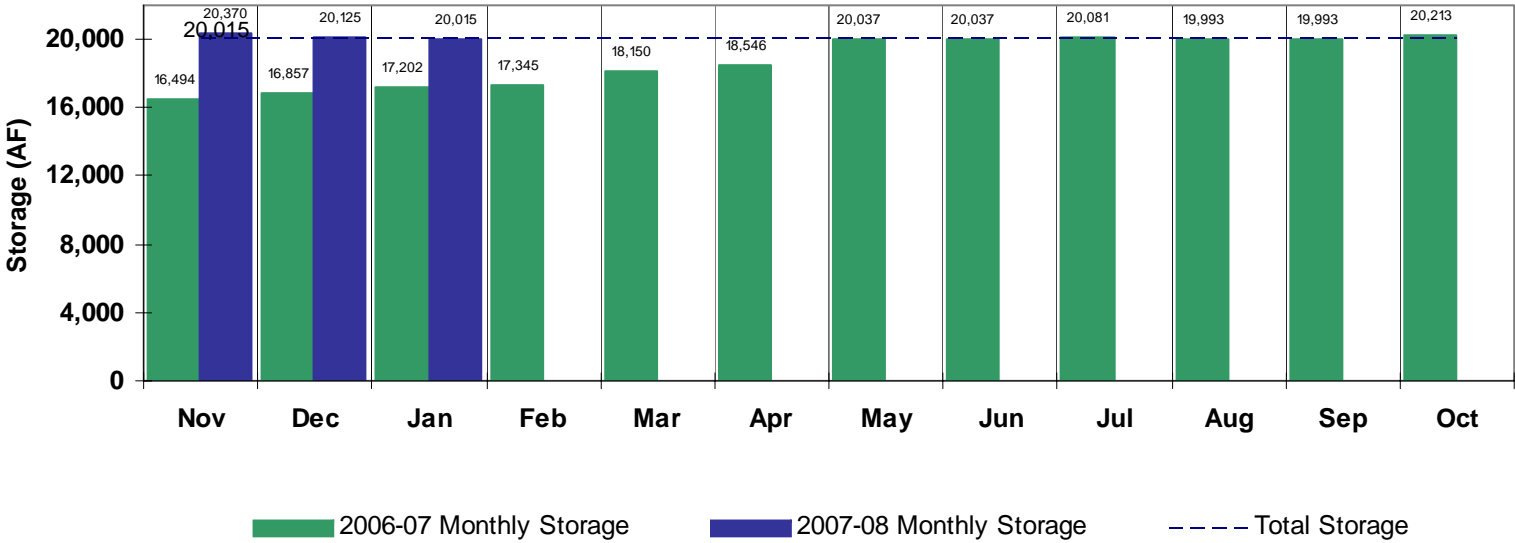
# Dillon Reservoir

(Municipal)



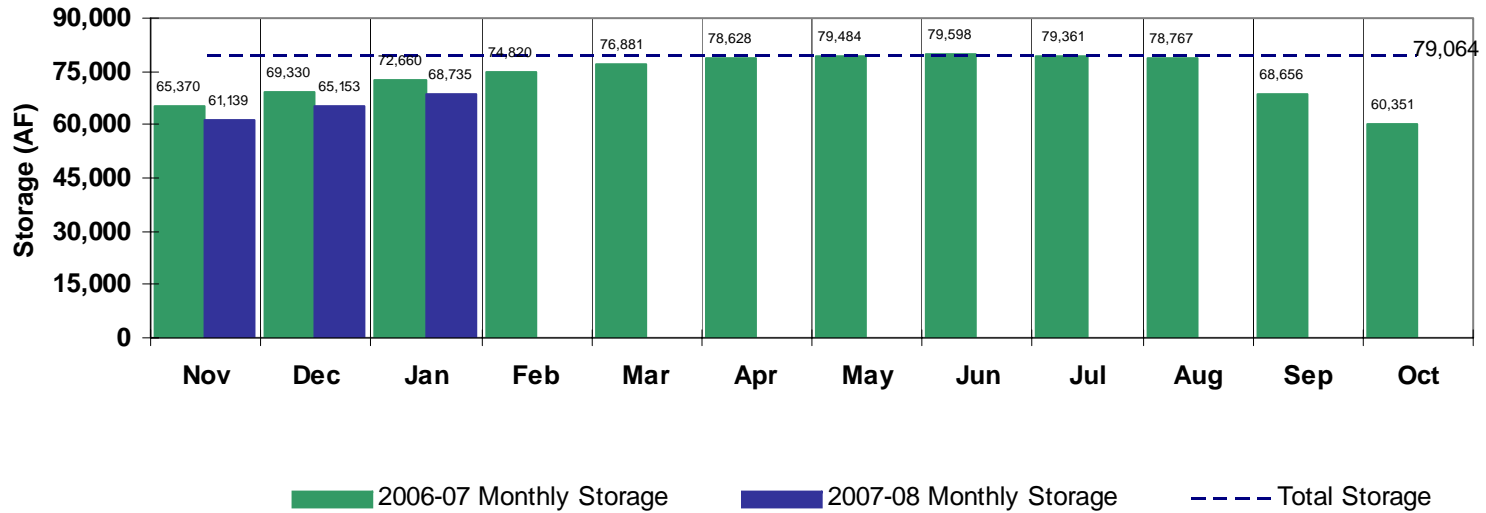
# Antero Reservoir

(District 23 - Municipal)



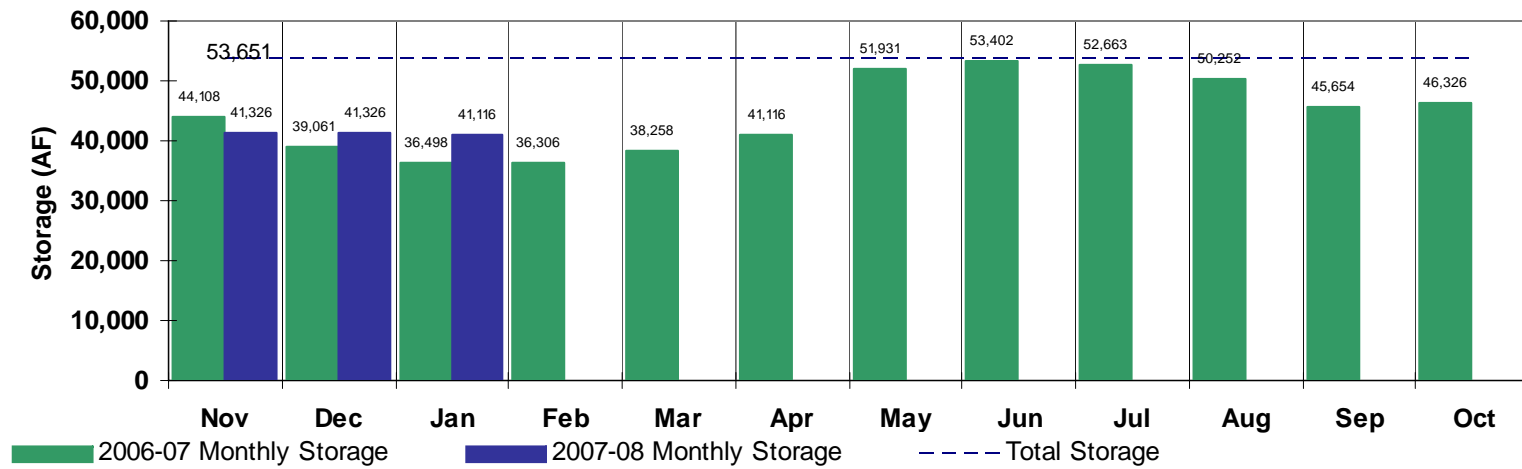
# Cheesman Reservoir

(District 80 - Municipal)



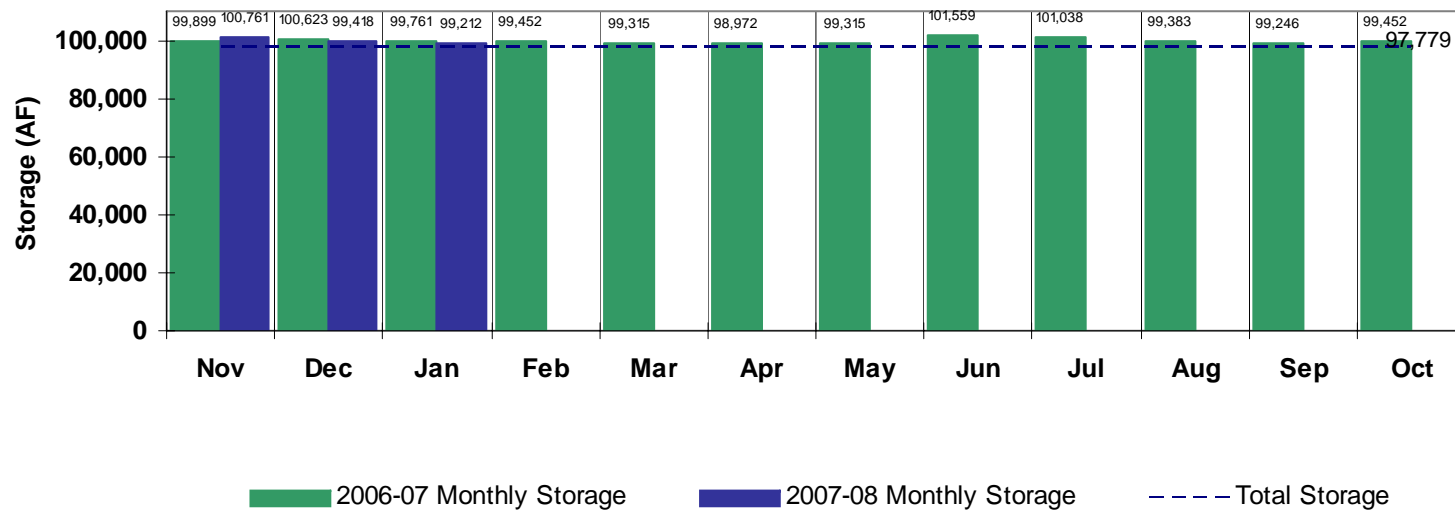
# Spinney Mountain Reservoir

(District 23 - Municipal)

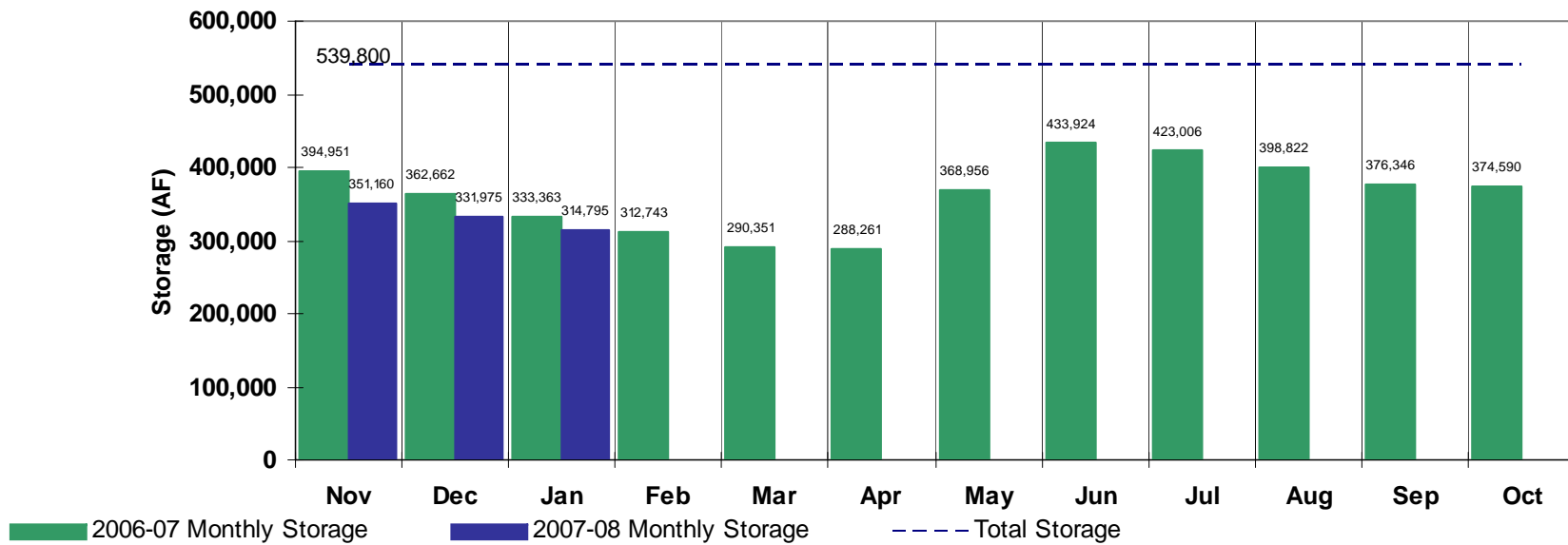


# Eleven Mile Reservoir

(District 23 - Municipal)



# Lake Granby





**Deer in Waterton Canyon – South Platte  
River below Strontia  
(Photo by Jana Ash)**



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