

# South Platte Summary

## May 2007

By David Ellington



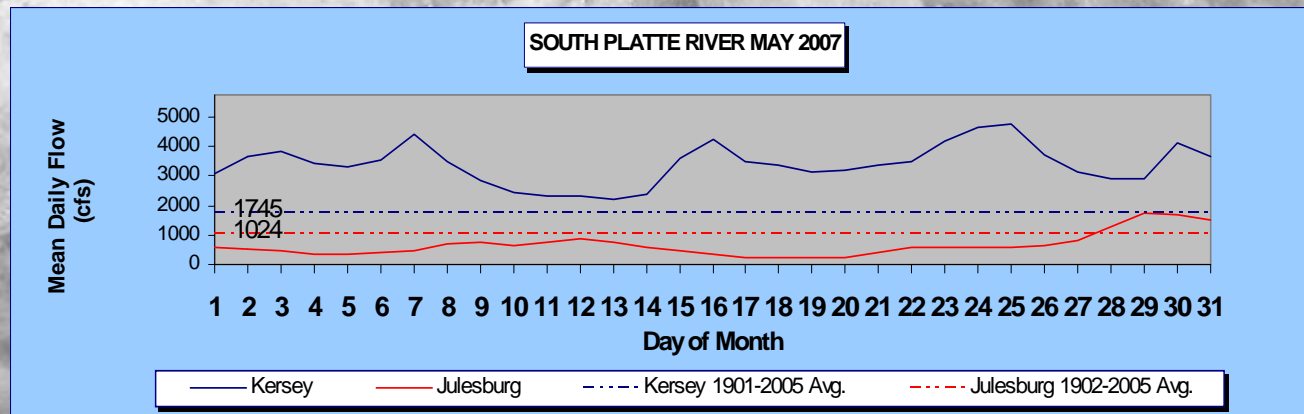
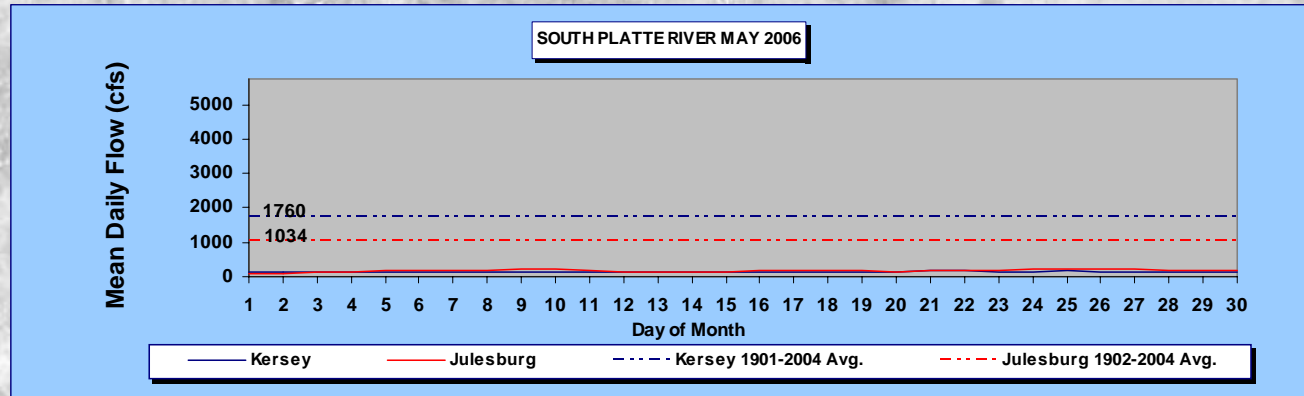
Big Thompson River at the mouth of the canyon  
(Russell Stroud)

# COLORADO DIVISION OF WATER RESOURCES, DIVISION 1

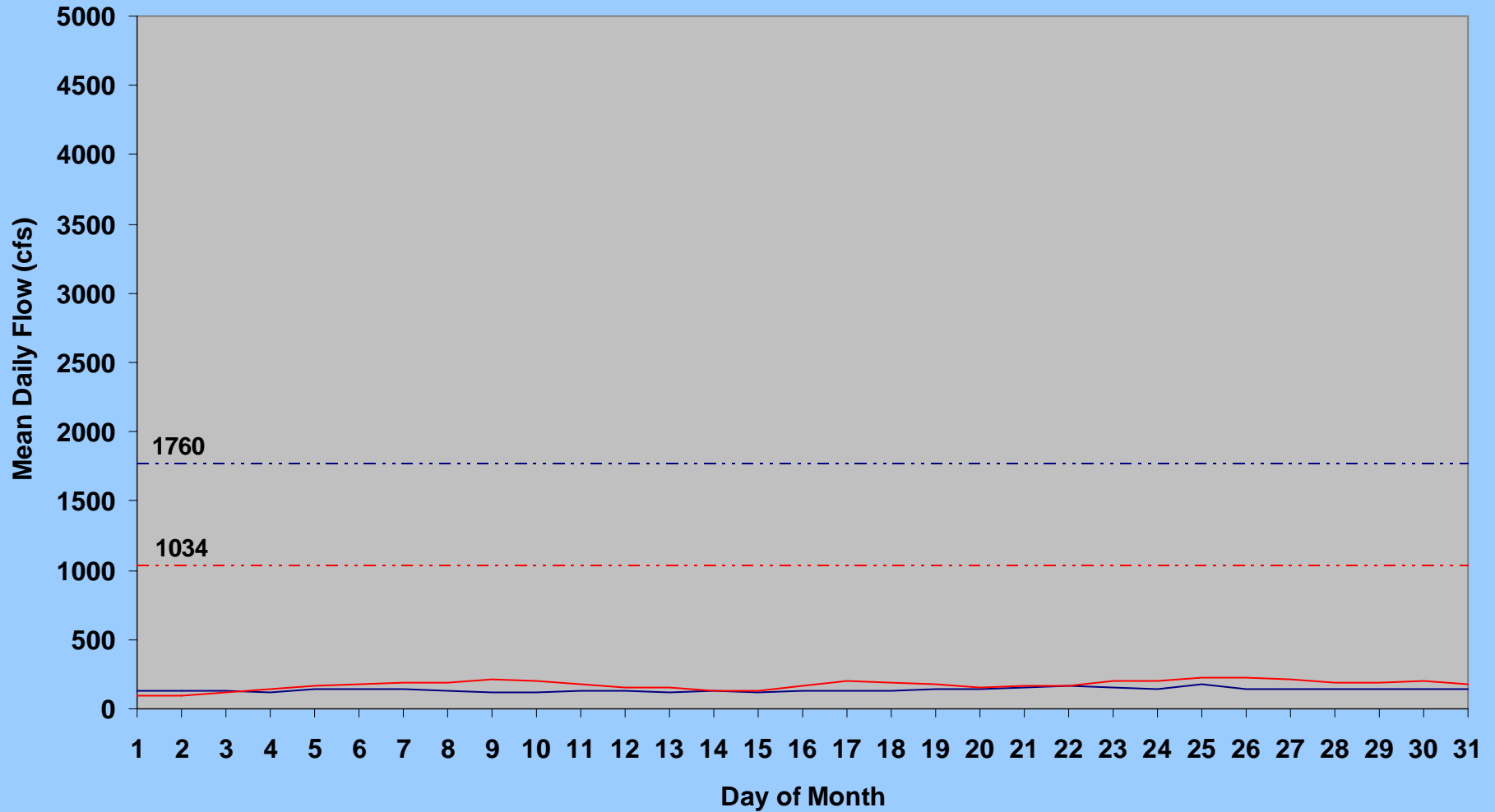
## MONTH OF MAY 2007

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	22,521	22,666	64	145	1%	100%	82%	0
N STERLING	73,730	75,020	74,156	64	-864	-1%	100%	72%	426
PREWITT	28,500	28,597	28,597	64	0	0%	100%	74%	97
JACKSON	27,257	27,256	27,256	1	0	0%	100%	76%	0
EMPIRE	37,700	37,709	37,709	1	0	0%	100%	61%	9
RIVERSIDE	63,113	60,987	61,218	1	231	0%	97%	69%	0
BARR LAKE	31,652	30,057	29,128	2	-929	-3%	92%	65%	0
CHEESMAN	79,064	78,628	79,484	80	856	1%	100%	96%	420
ELEVEN MILE	97,779	98,972	99,315	23	343	0%	100%	100%	1,536
SPINNEY	53,651	41,116	51,931	23	10,815	26%	97%	81%	0
ANTERO	20,015	18,546	20,037	23	1,491	8%	100%	49%	22

RIVER GAGES	MEAN DAILY FLOW (CFS)
<b>KERSEY</b>	<b>3391</b>
<b>JULESBURG</b>	<b>653</b>
<b>THIS MONTH LAST YEAR</b>	
<b>KERSEY</b>	<b>138</b>
<b>JULESBURG</b>	<b>174</b>
<b>MEAN FOR PERIOD OF RECORD*</b>	
<b>KERSEY</b>	<b>1745</b>
<b>JULESBURG</b>	<b>1024</b>
* 1901-2005	
1902-2005	



# SOUTH PLATTE RIVER MAY 2006



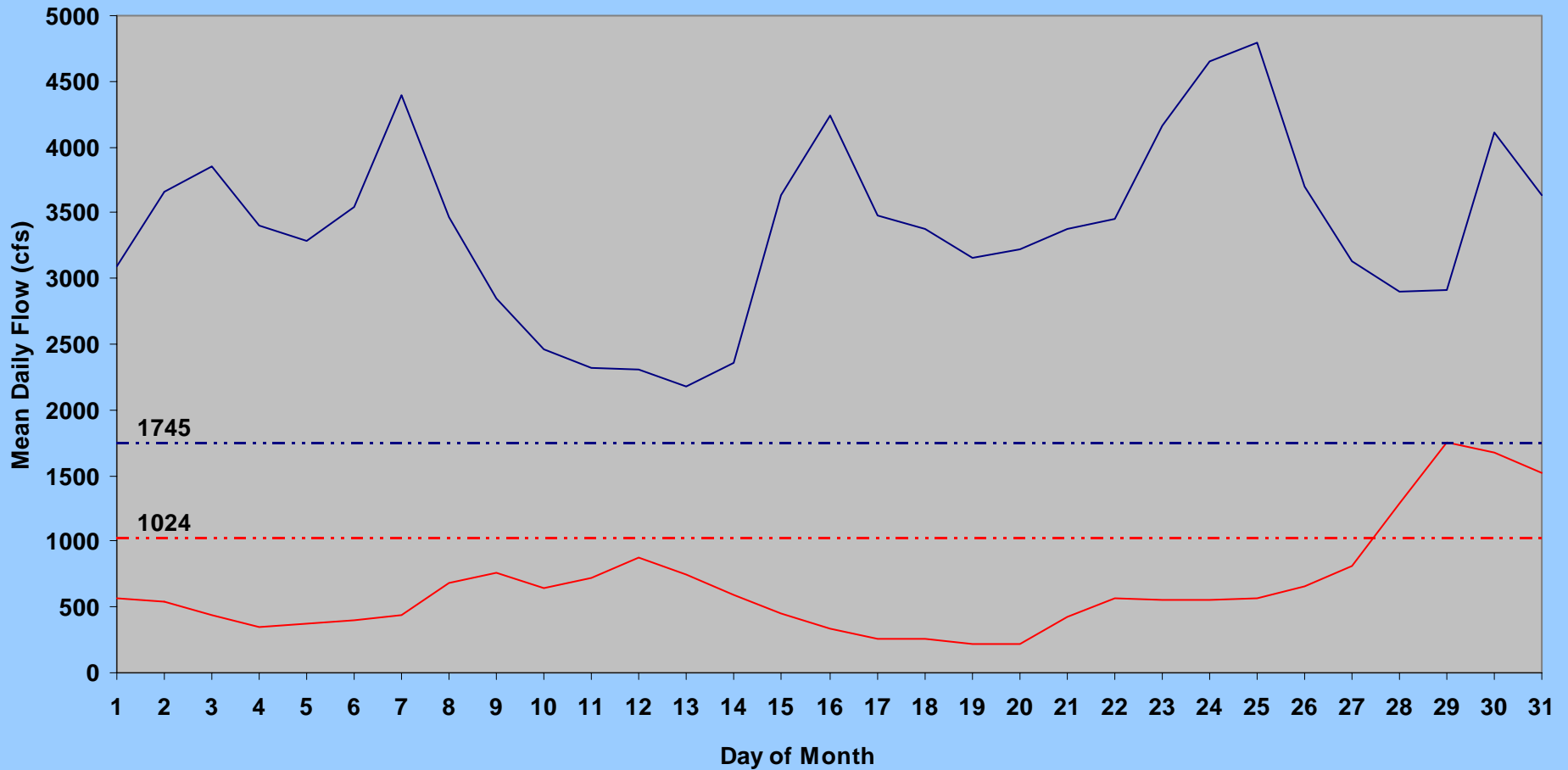
— Kersey

— Julesburg

- - - Kersey 1901-2004 Avg.

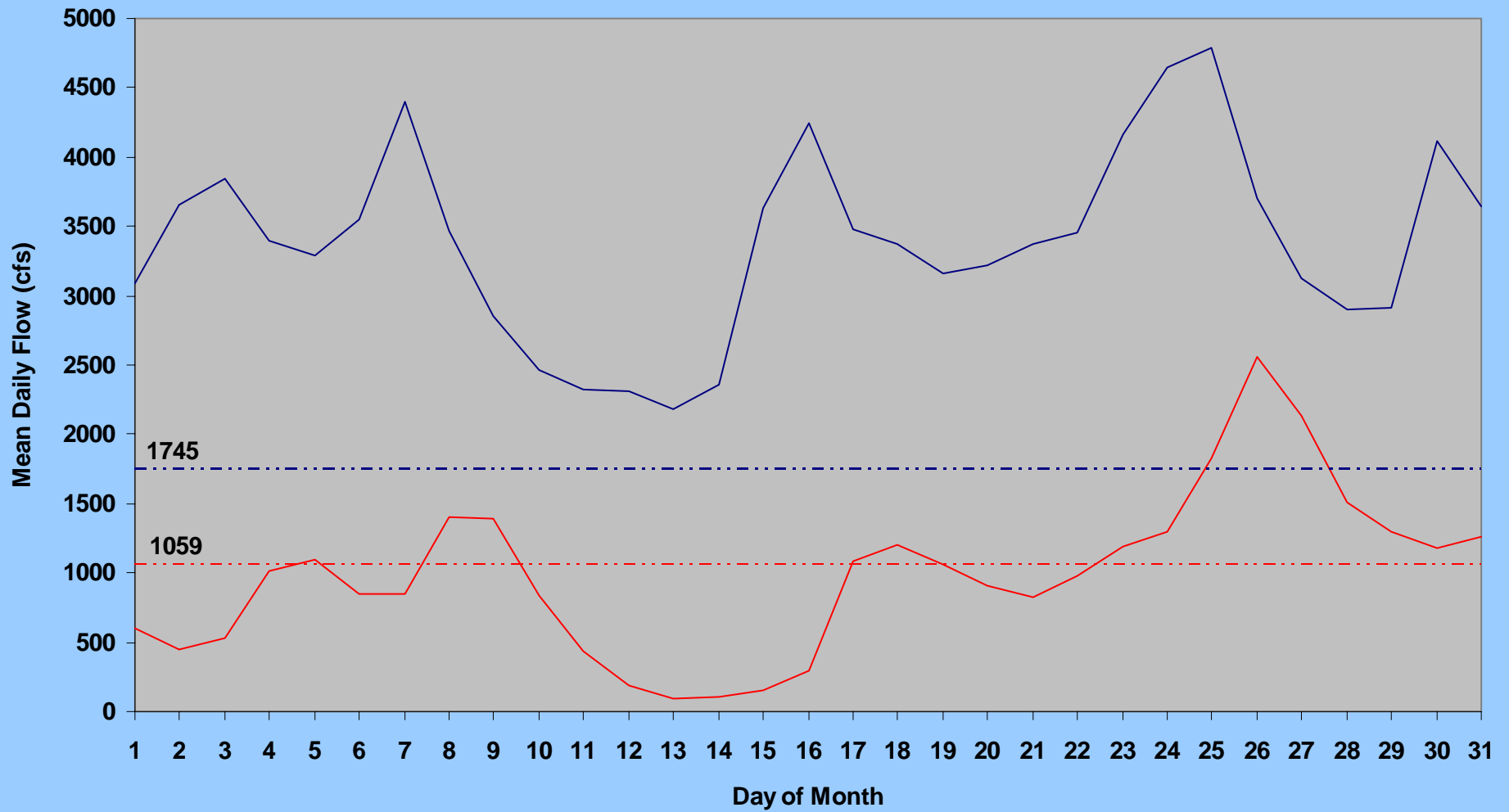
- - - Julesburg 1902-2004 Avg.

# SOUTH PLATTE RIVER MAY 2007

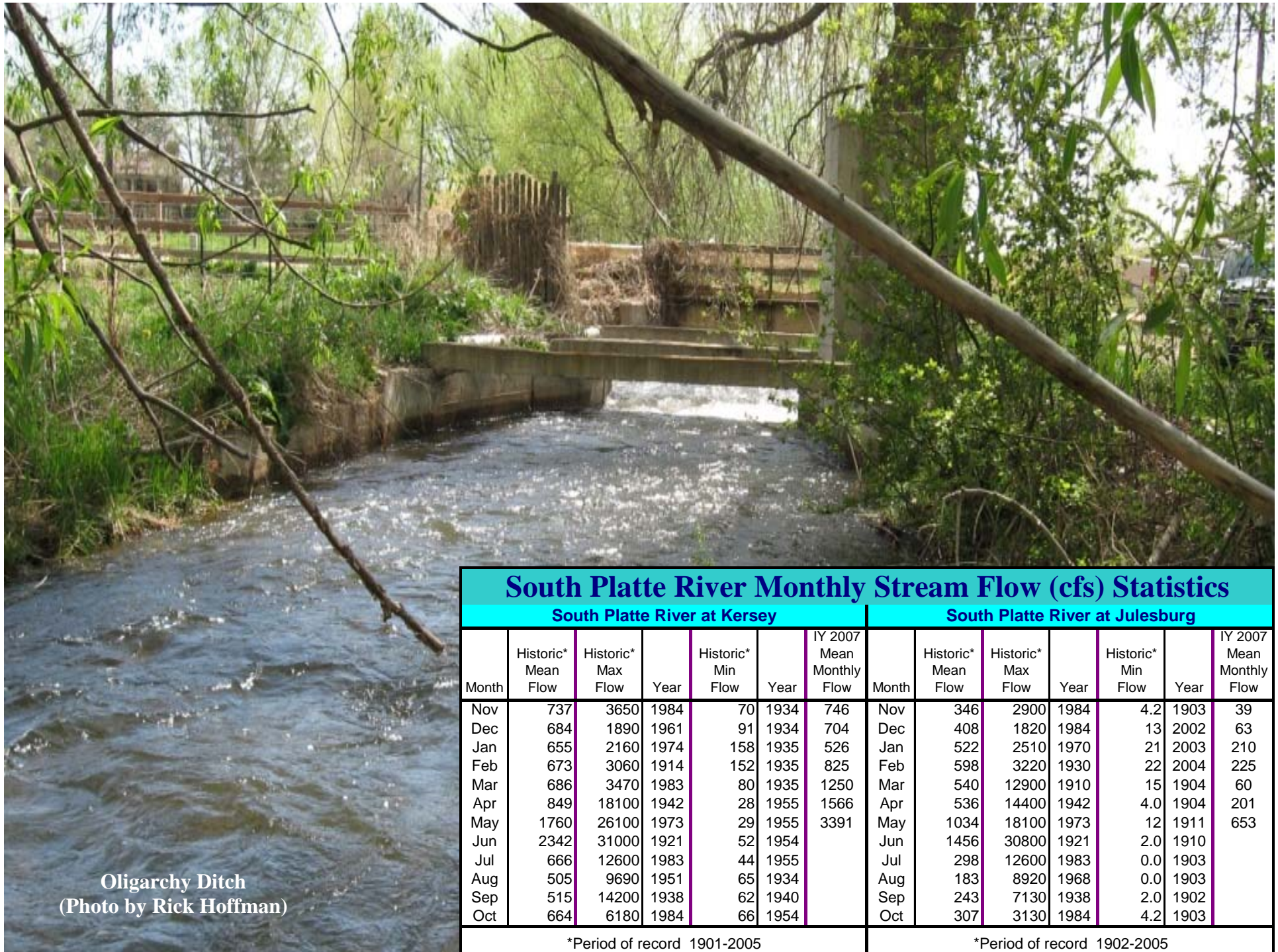


— Kersey      — Julesburg      - - - Kersey 1901-2005 Avg.      - - - Julesburg 1902-2005 Avg.

# KERSEY and BALZAC MAY 2007



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

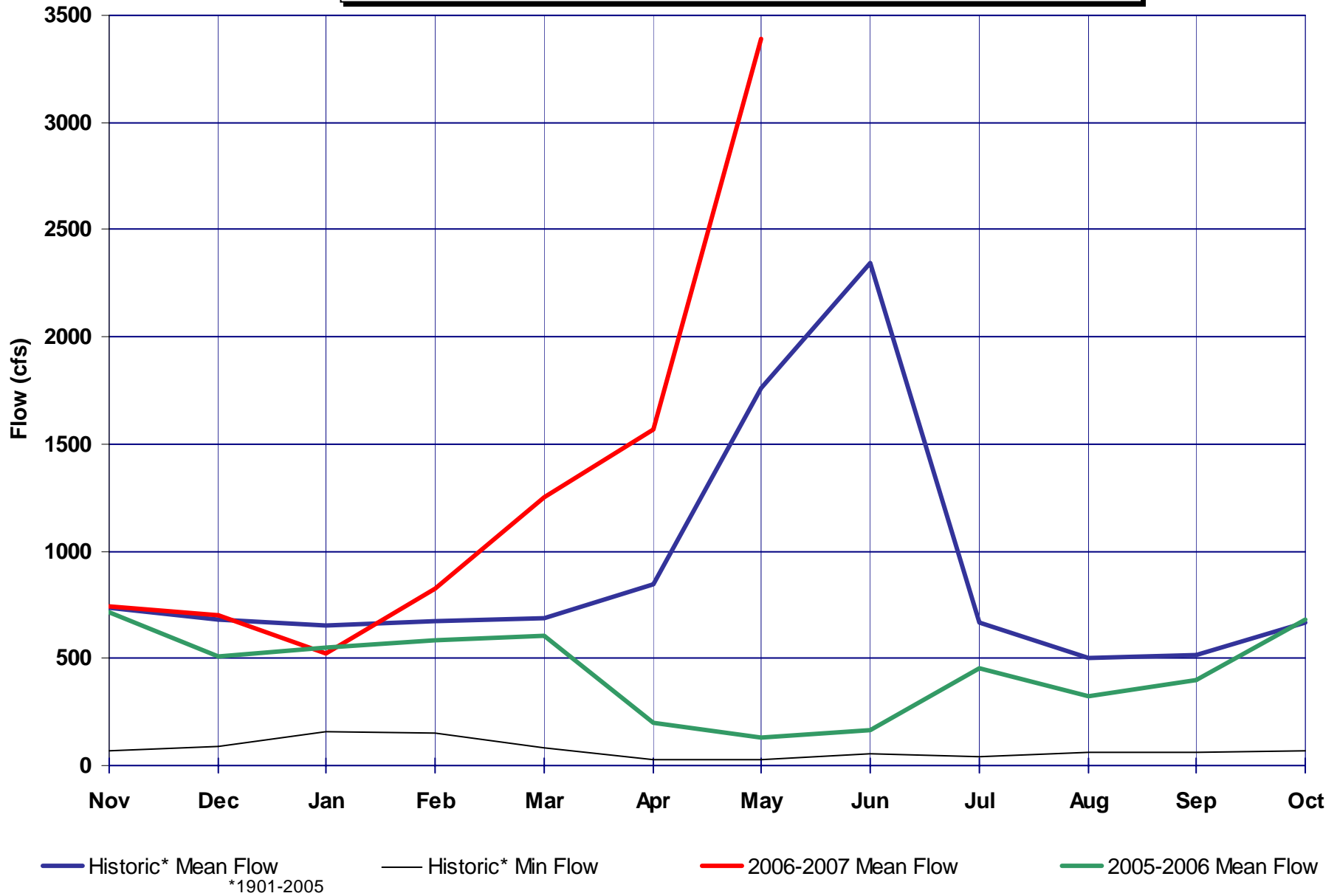


Oligarchy Ditch  
(Photo by Rick Hoffman)

<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	3391	May	1034	18100	1973	12	1911	653
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						

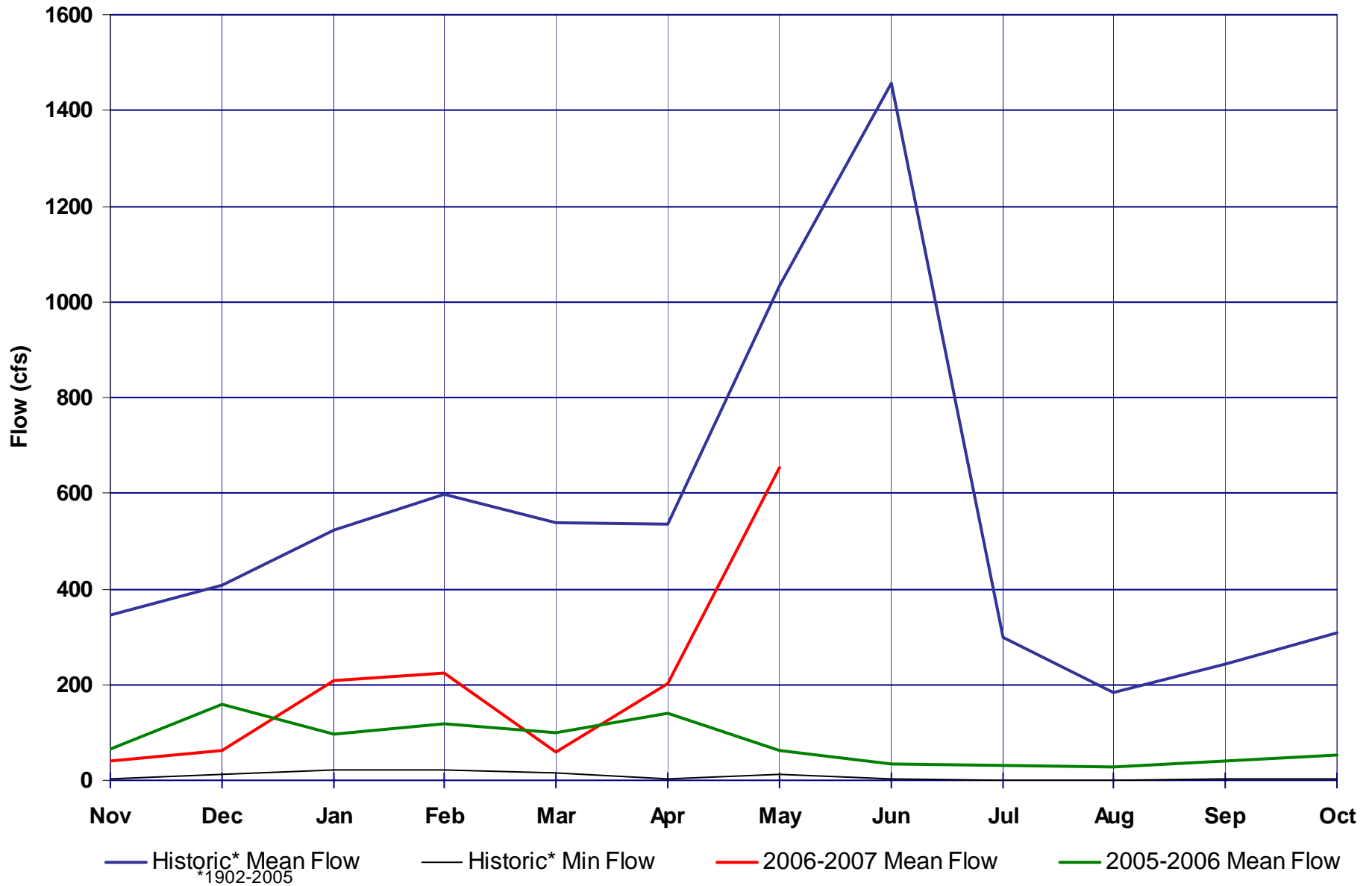
# South Platte River at Kersey

Irrigation Water Year



# South Platte River at Julesburg

Irrigation Water Year





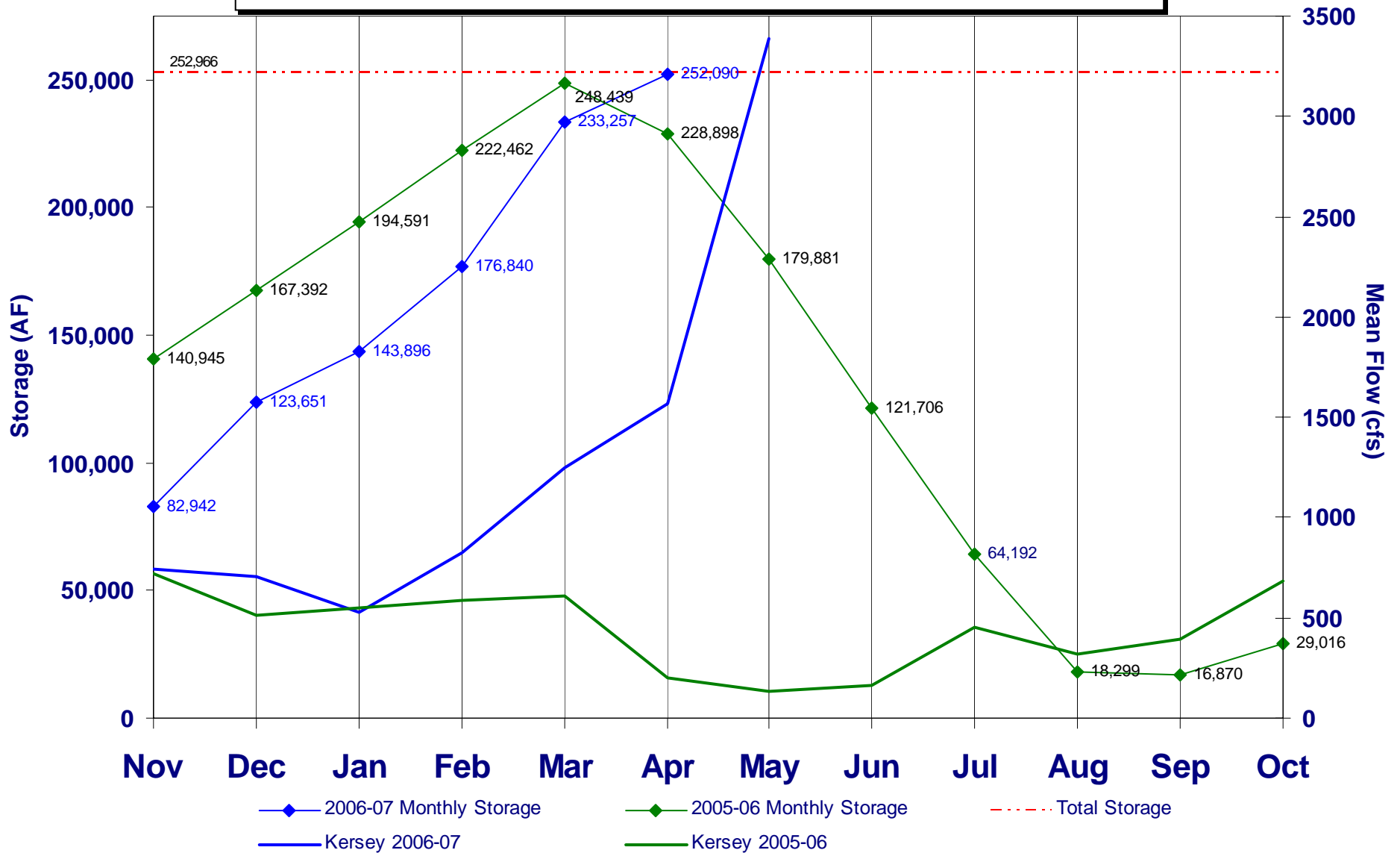
**Next four slides show Reservoir Storage  
below and above Kersey**



**North St. Vrain Creek Near Allenspark  
(Photo by Russell Stroud)**

# Reservoir Storage below Kersey

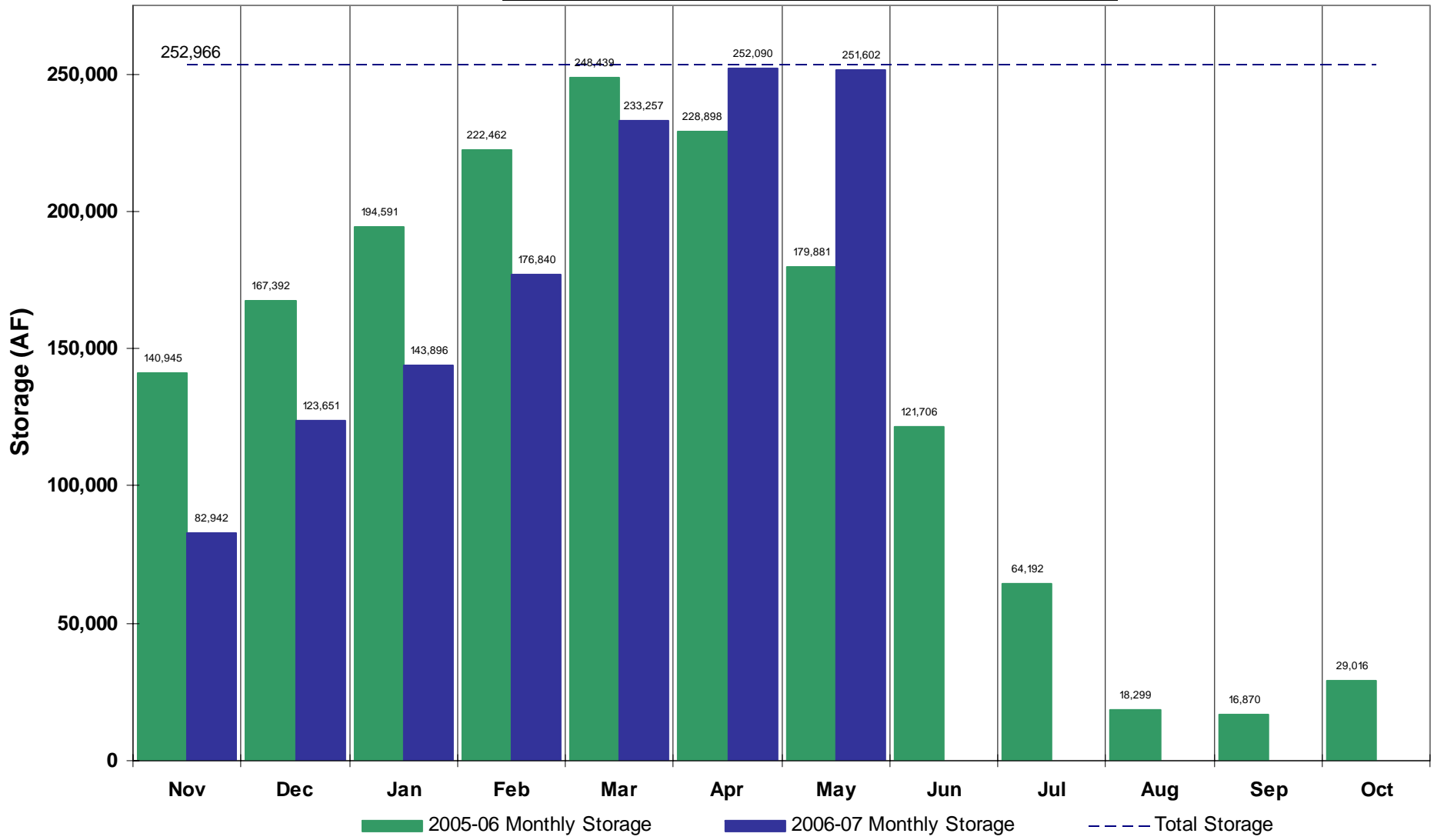
Selected Reservoirs\*



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

# South Platte Reservoirs

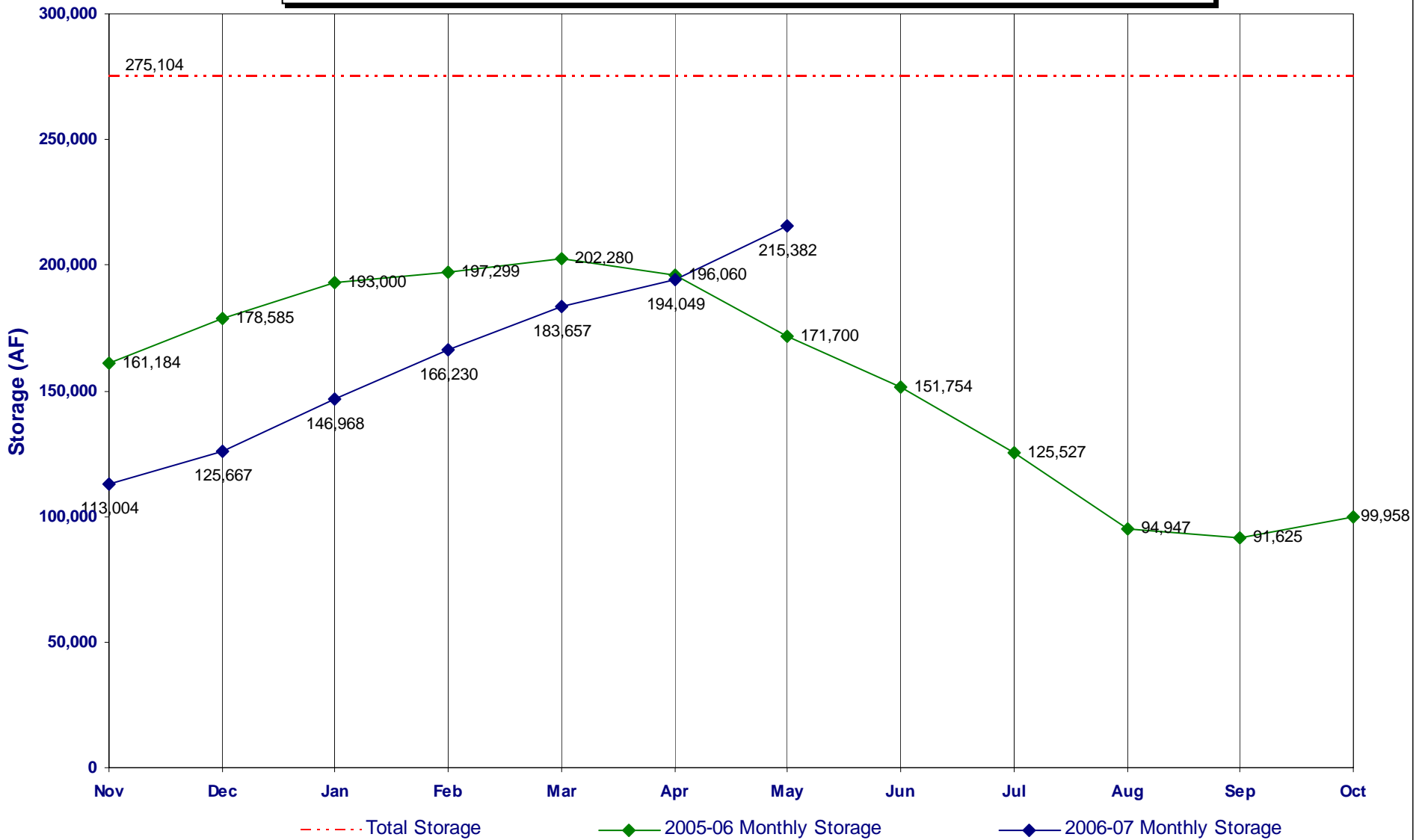
## Storage below Kersey\*



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

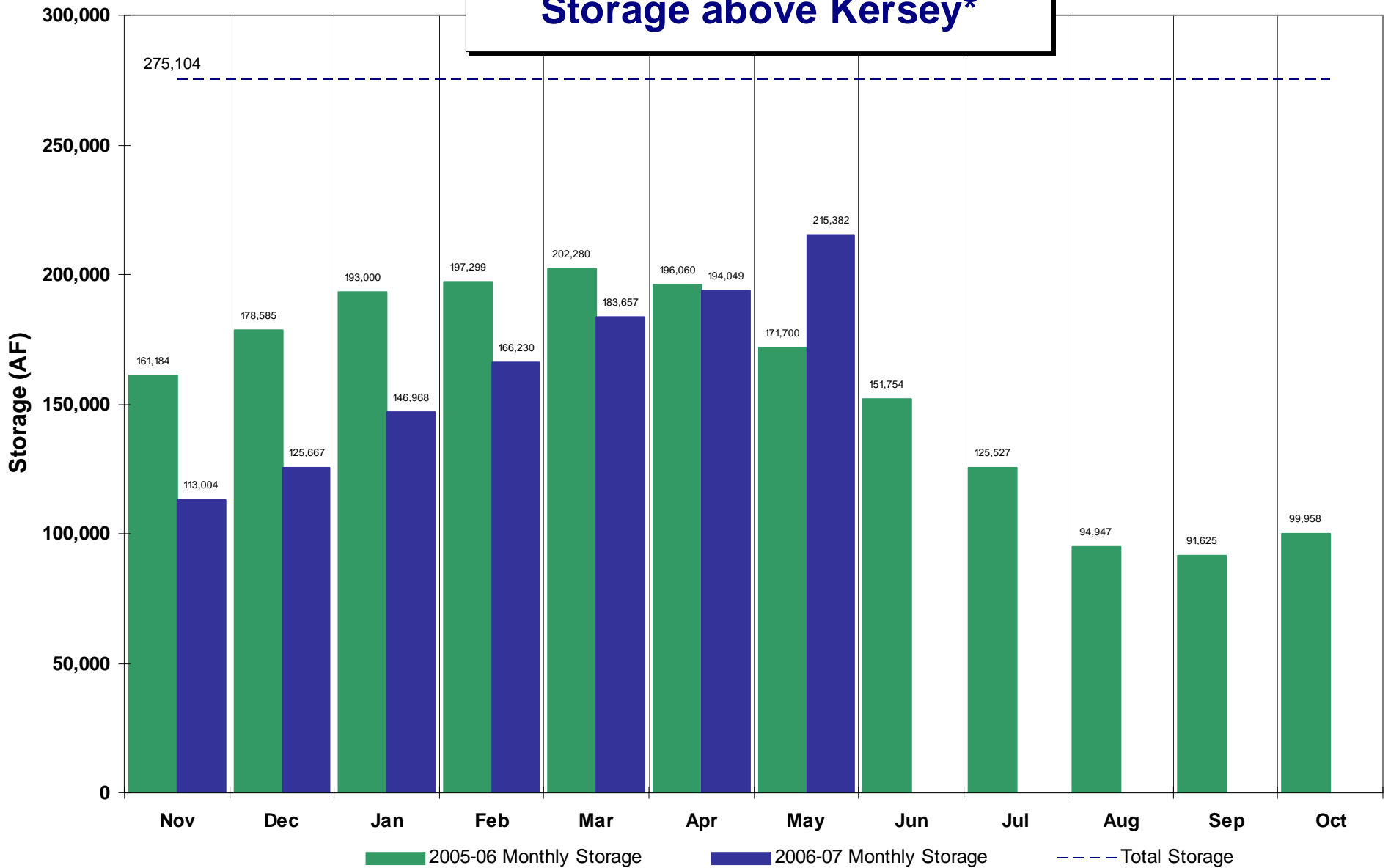
# Reservoir Storage above Kersey

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

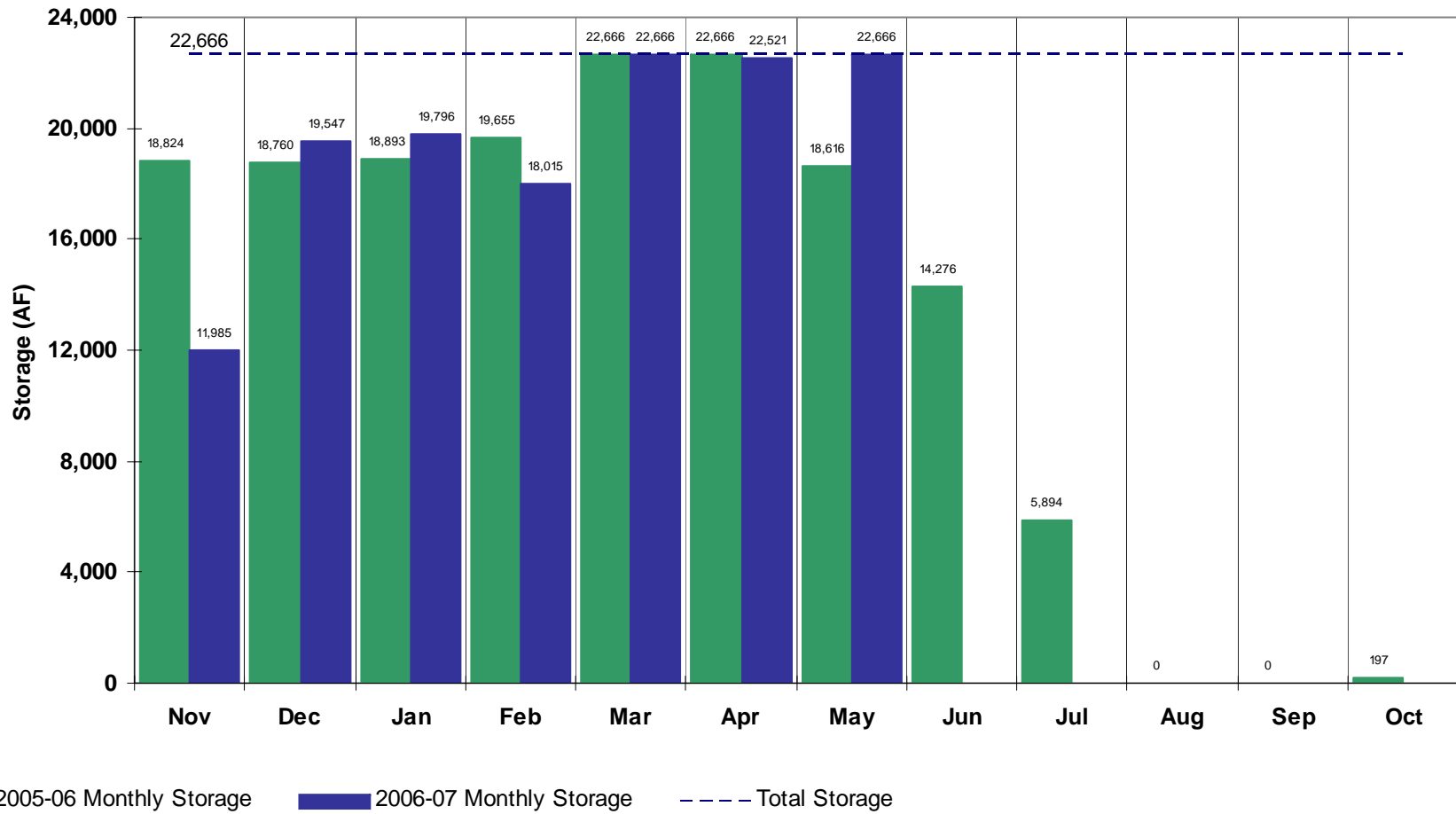
# Individual Reservoir Storage Follows



Genessee Dam  
(Photo by Claudia Engelmann)

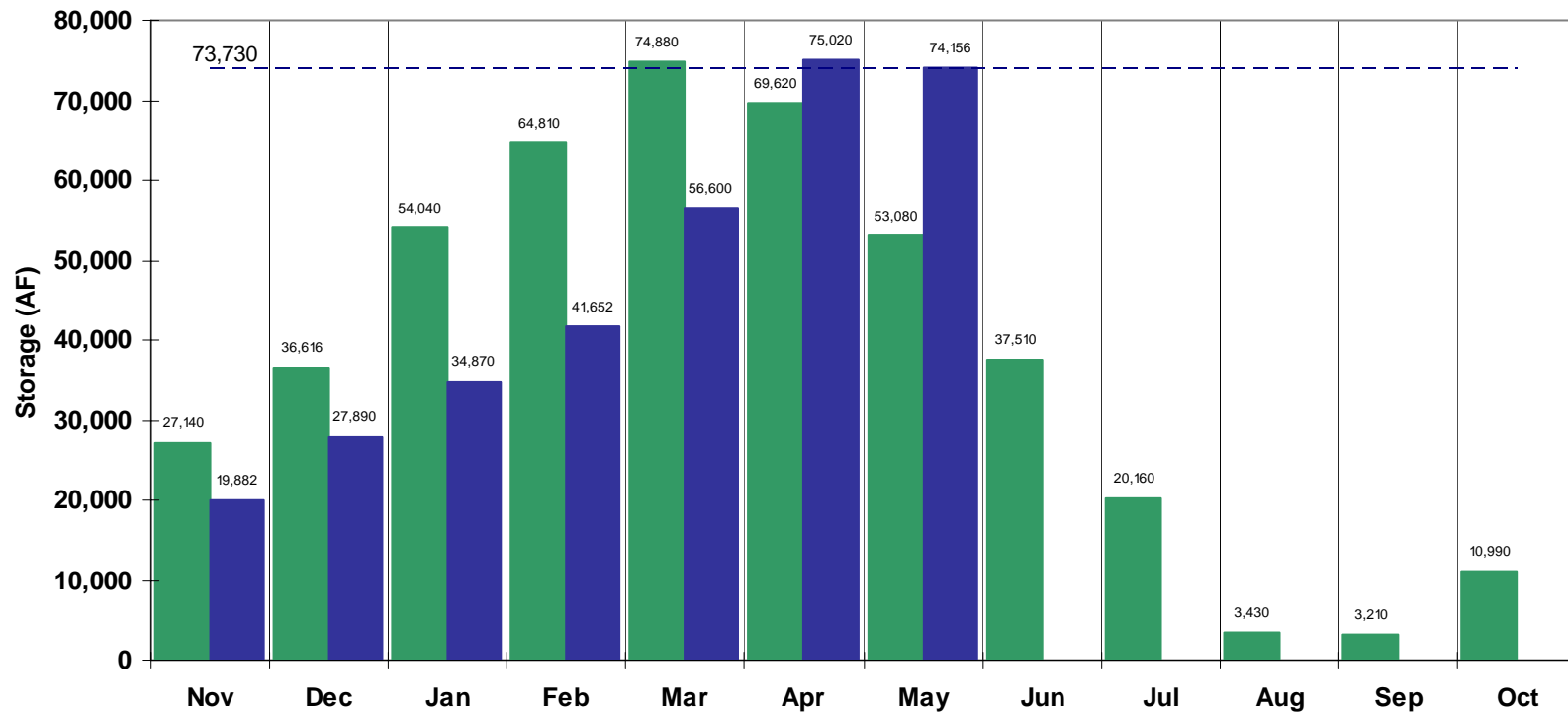
# Julesburg Reservoir

(District 64 - Agricultural)



# North Sterling Reservoir

(District 64- Agricultural)

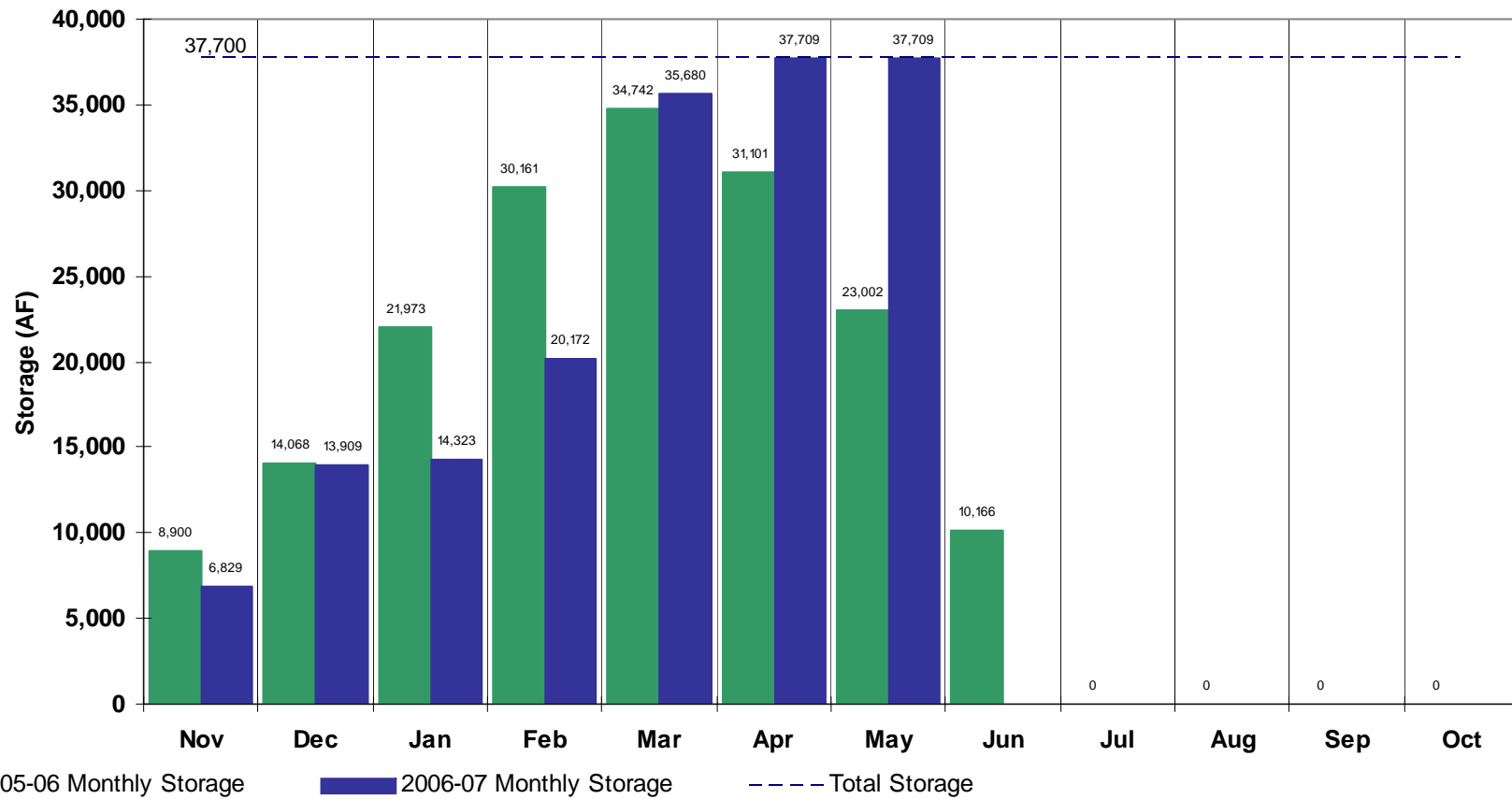


■ 2005-06 Monthly Storage    ■ 2006-07 Monthly Storage    - - - Total Storage



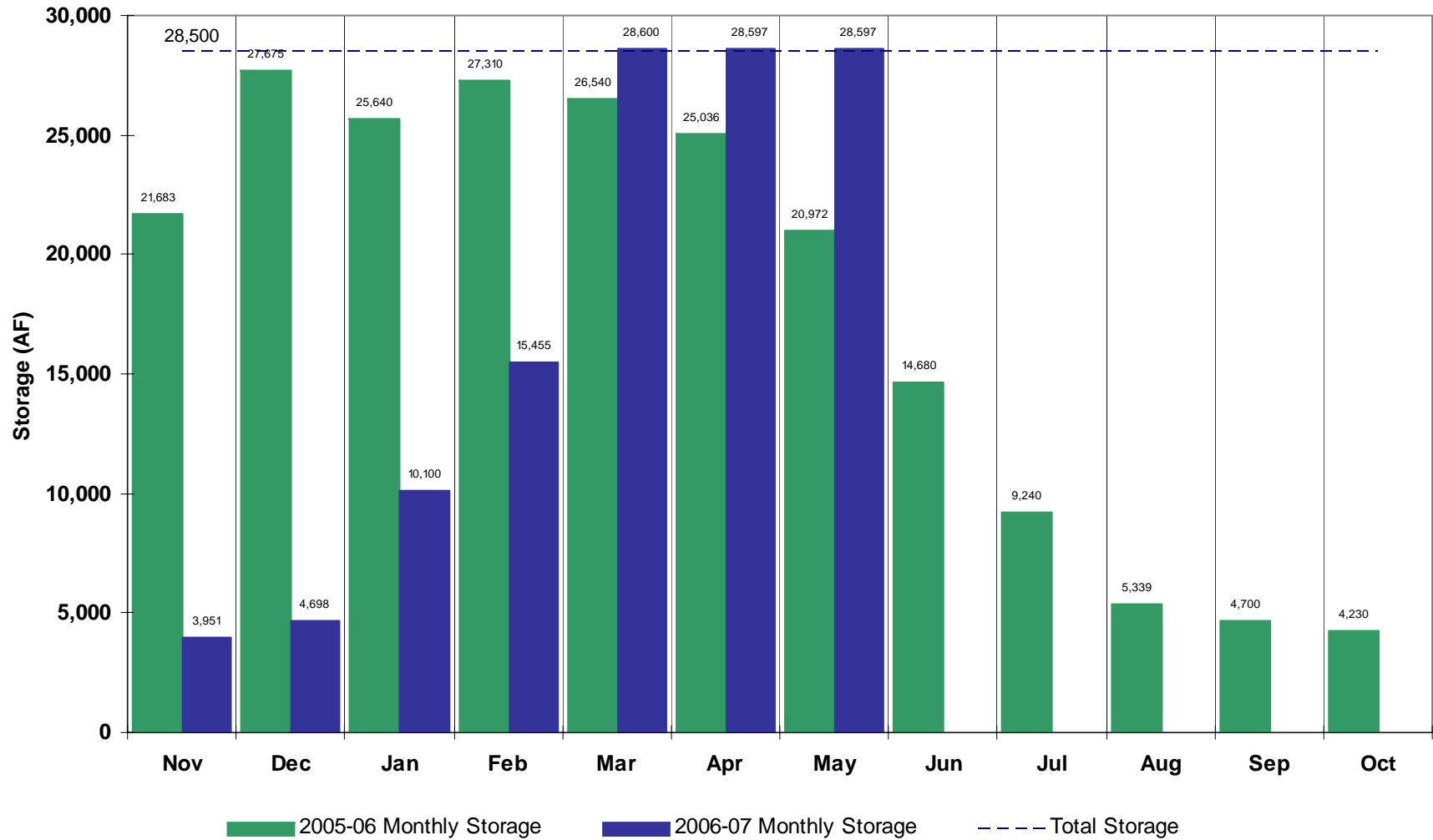
# Empire Reservoir

(District 1- Agricultural)



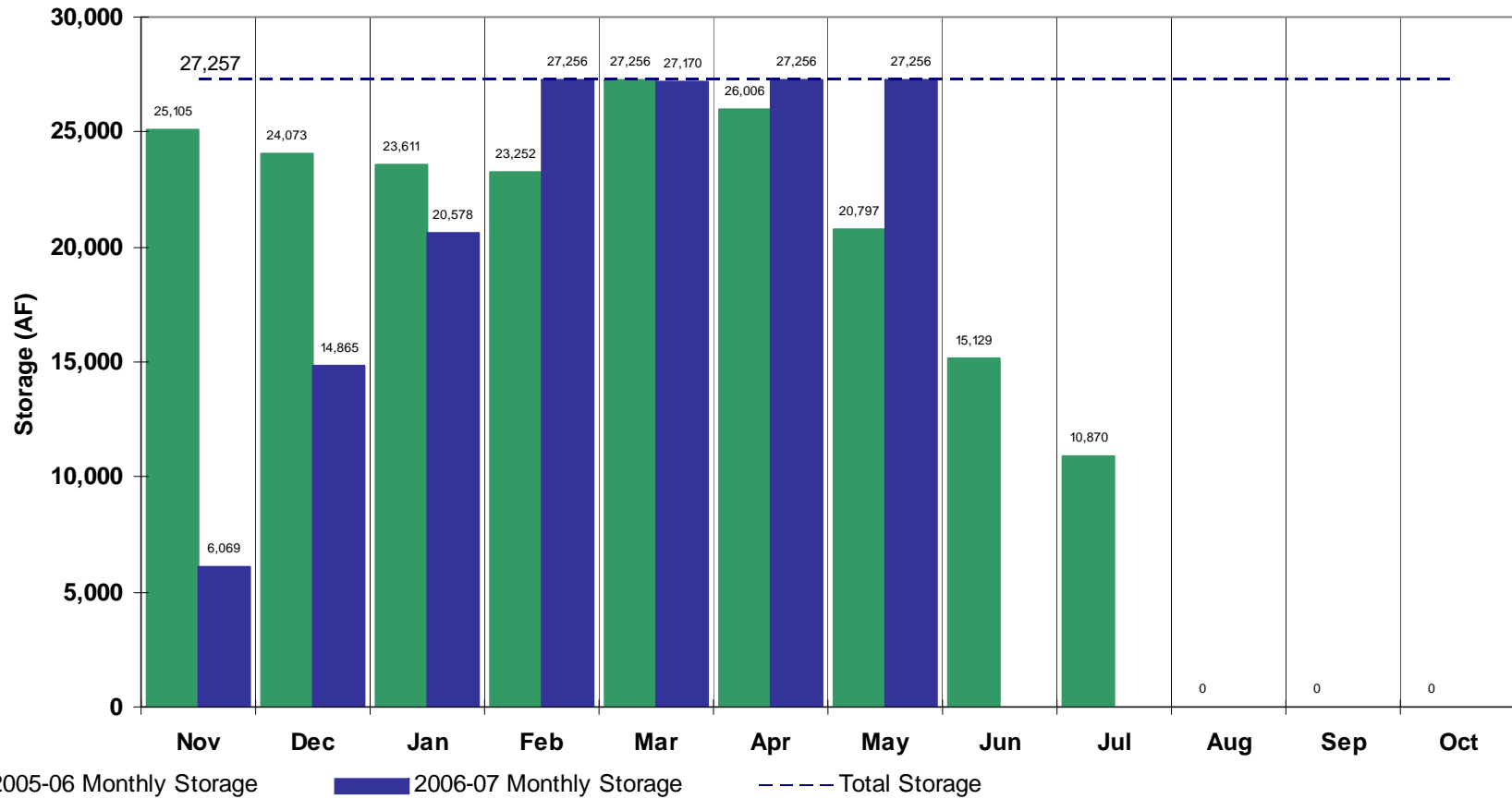
# Prewitt Reservoir

## (District 64- Agricultural)



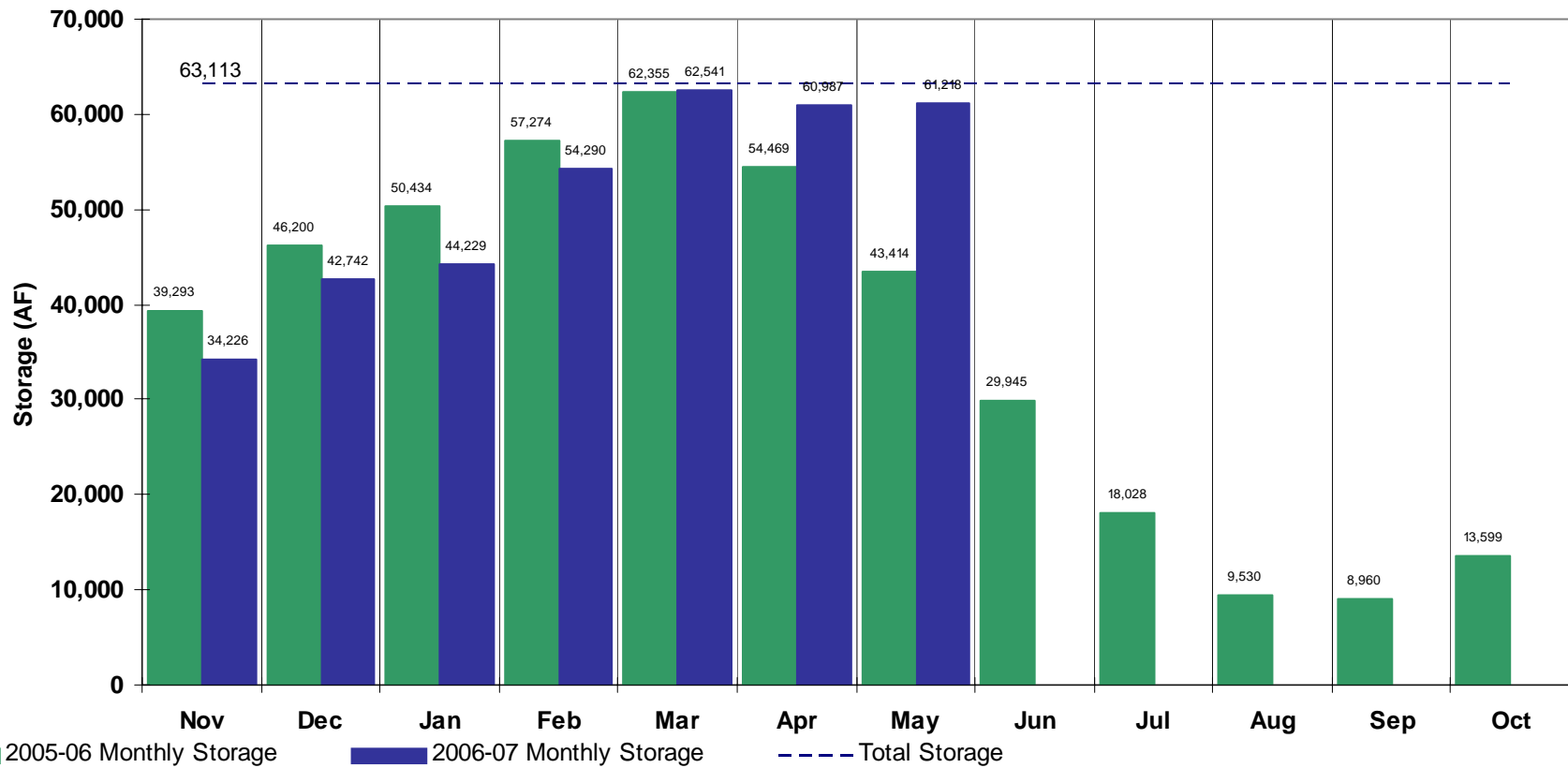
# Jackson Reservoir

## (District 1- Agricultural)



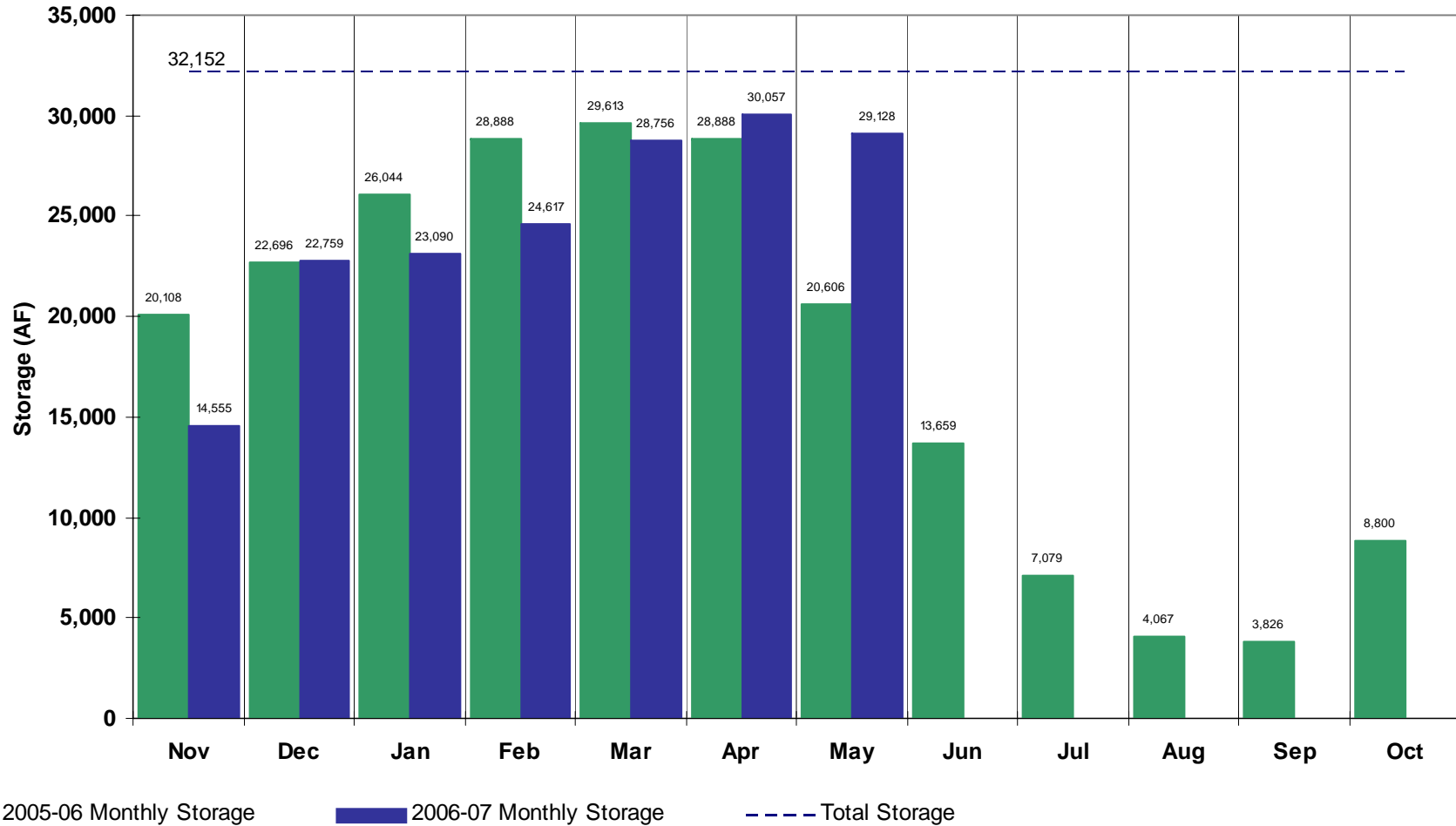
# Riverside Reservoir

## (District 1 - Agricultural)



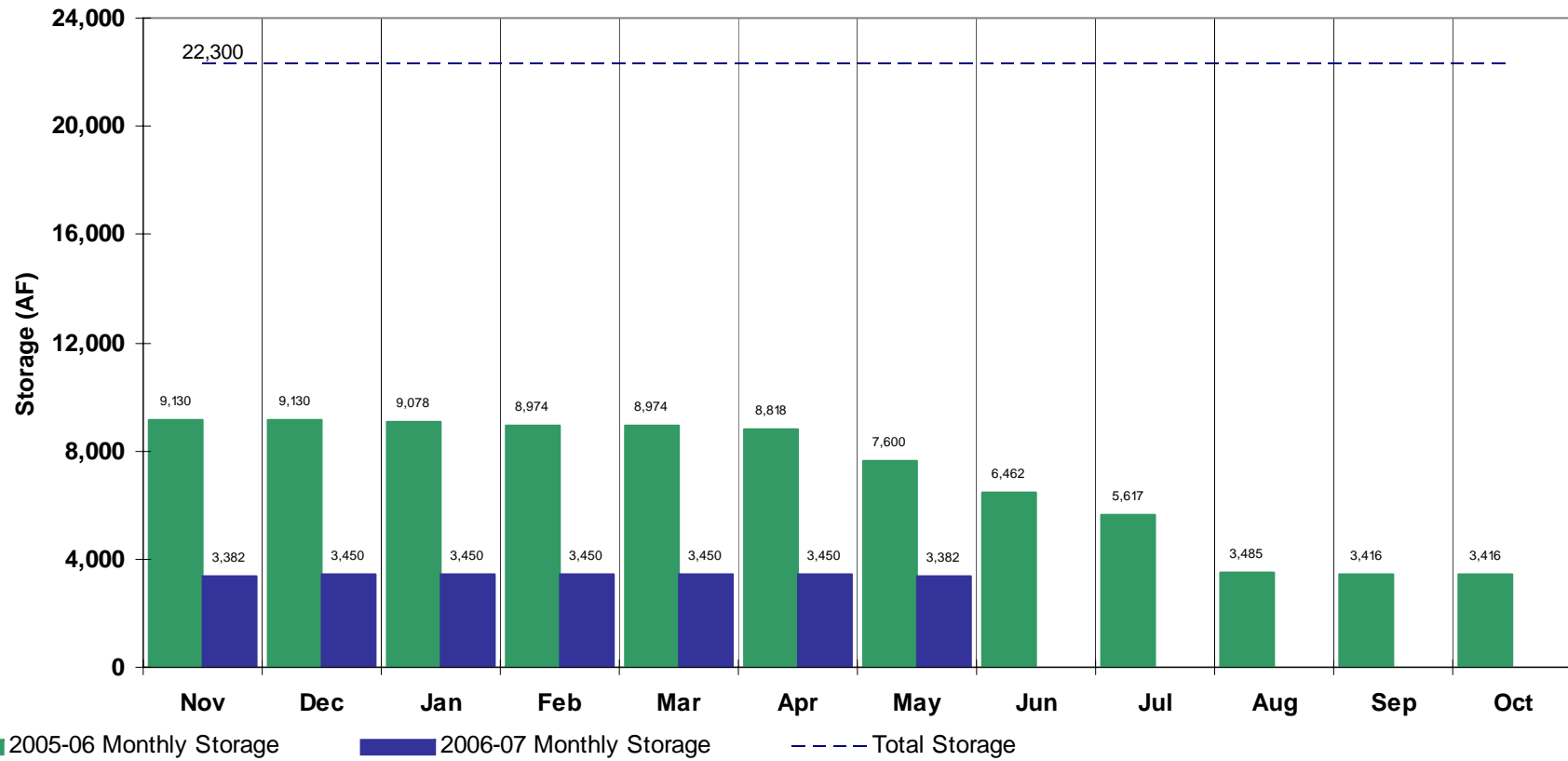
# Barr Lake

(District 2 - Agricultural)



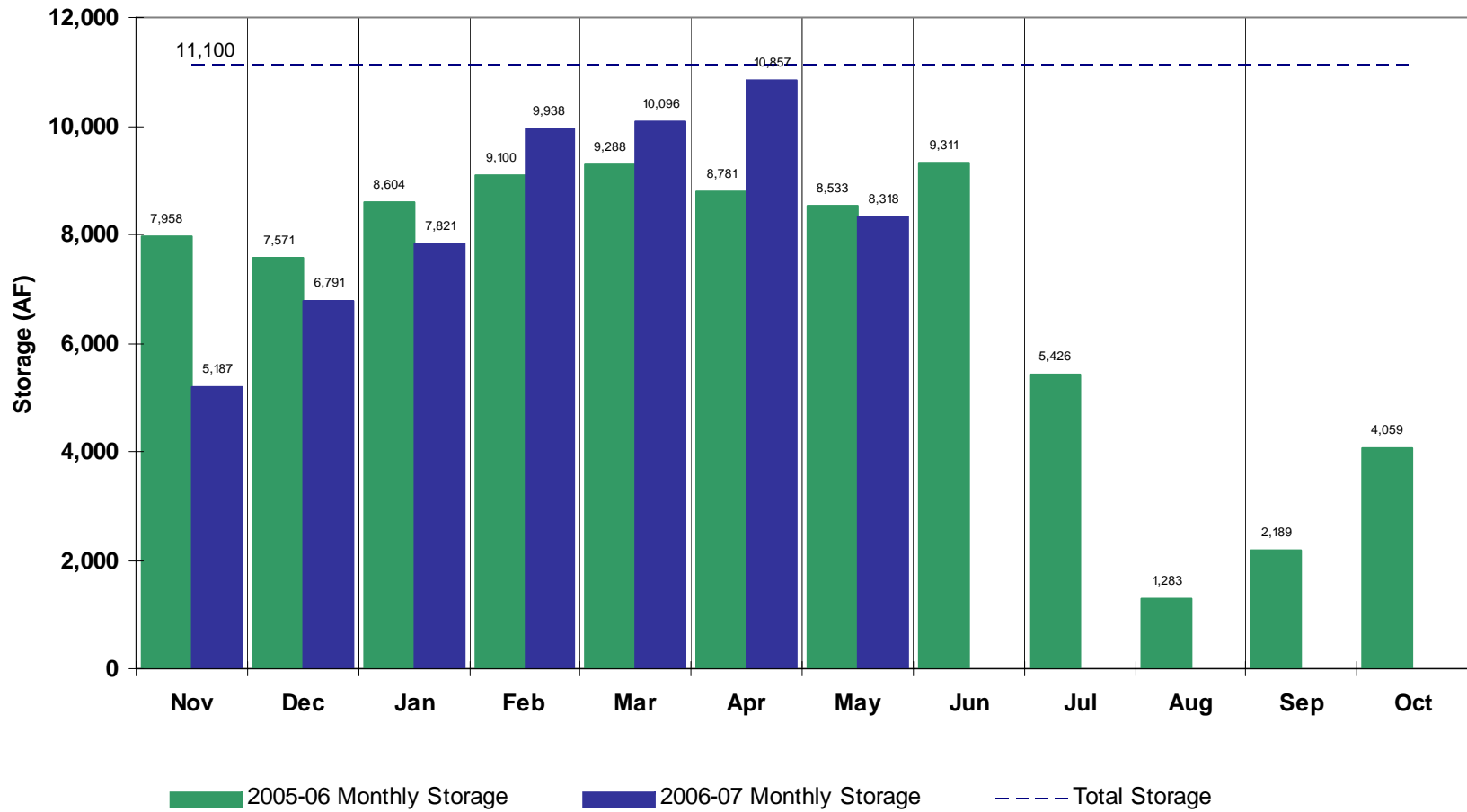
# Cobb Lake

(District 3, Poudre River - Agricultural)



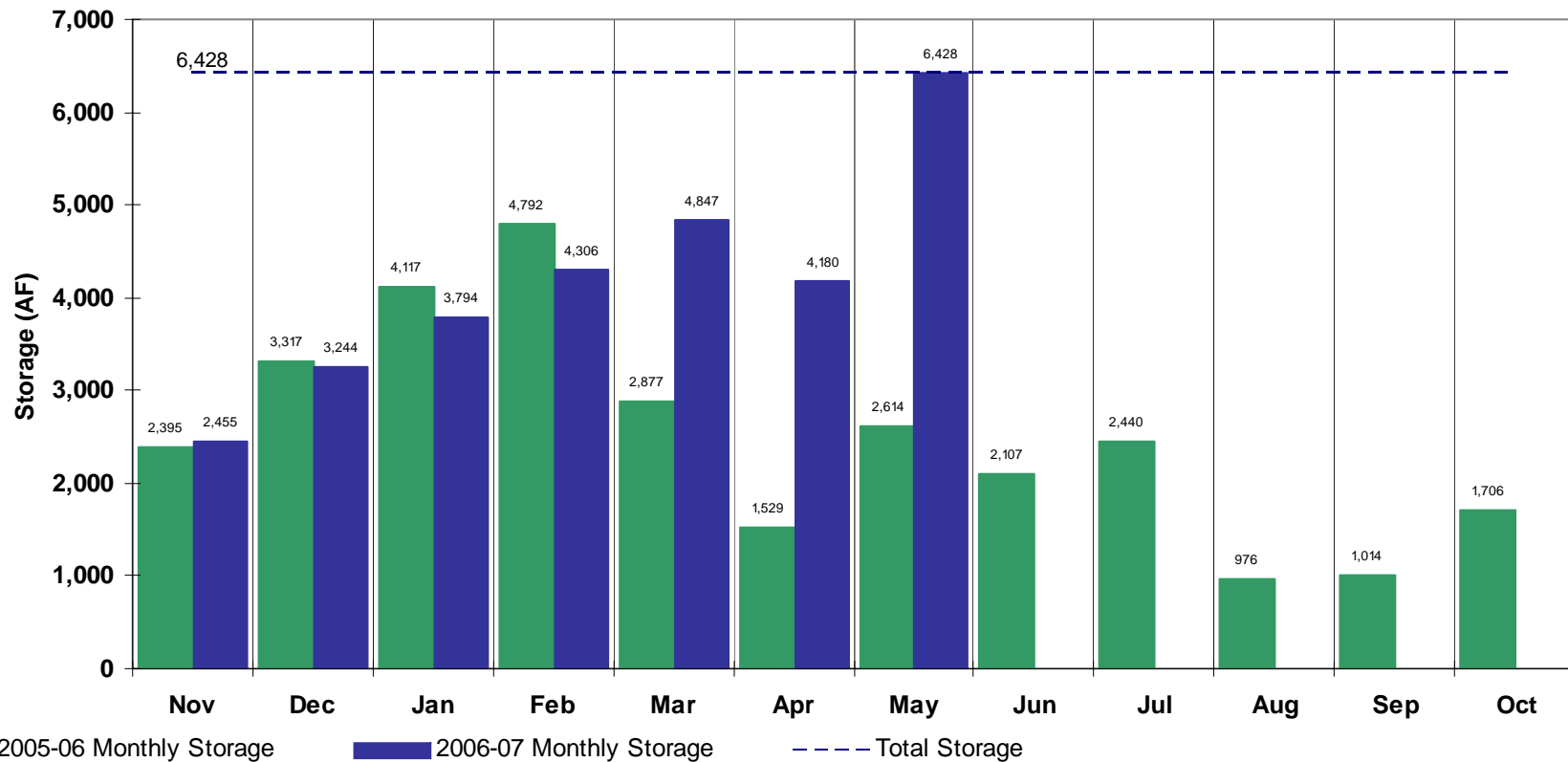
# Fossil Creek Reservoir

(District 3, Poudre River - Agricultural)



# Halligan Reservoir

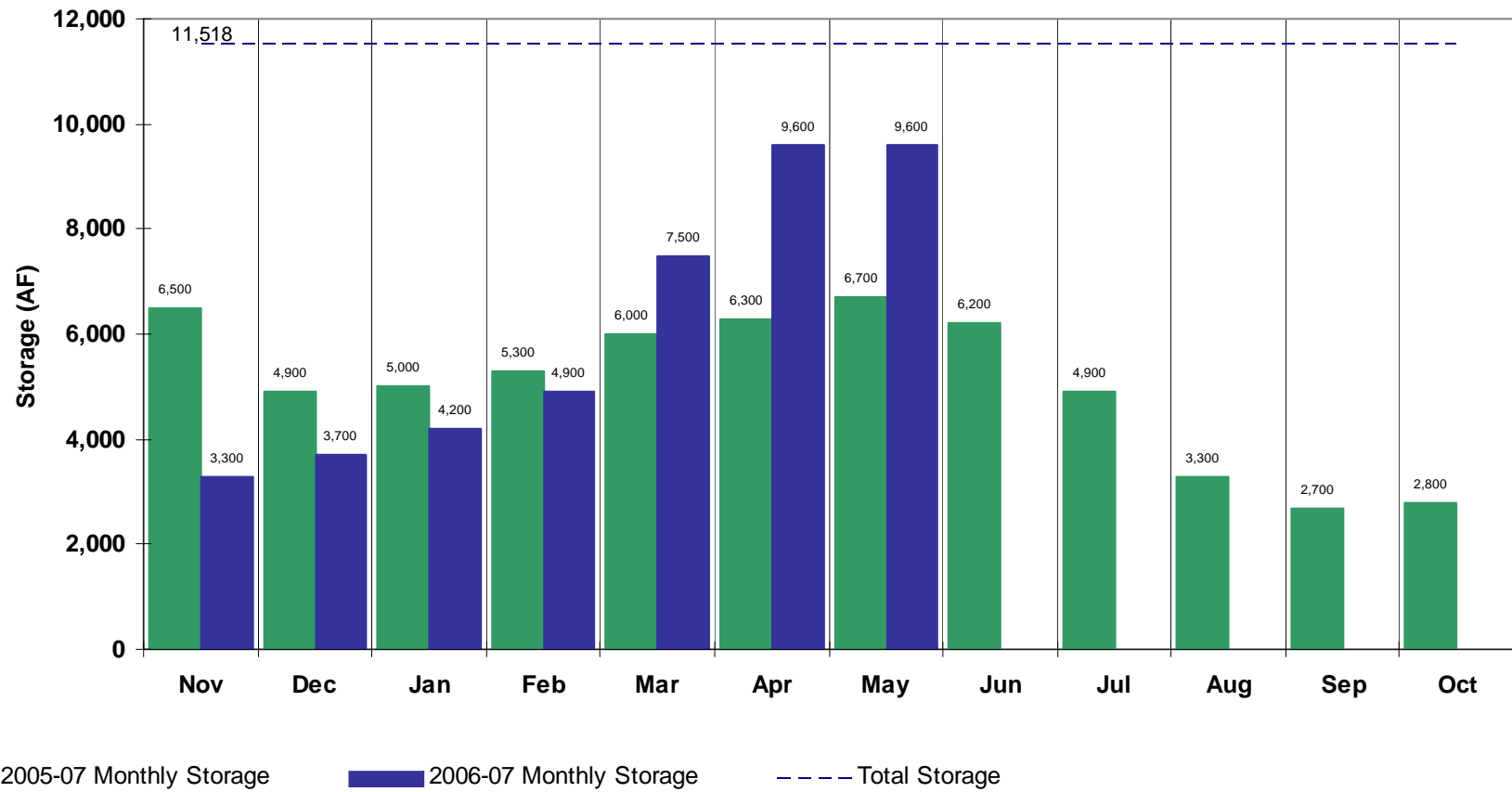
(District 3, Poudre River - Agricultural)





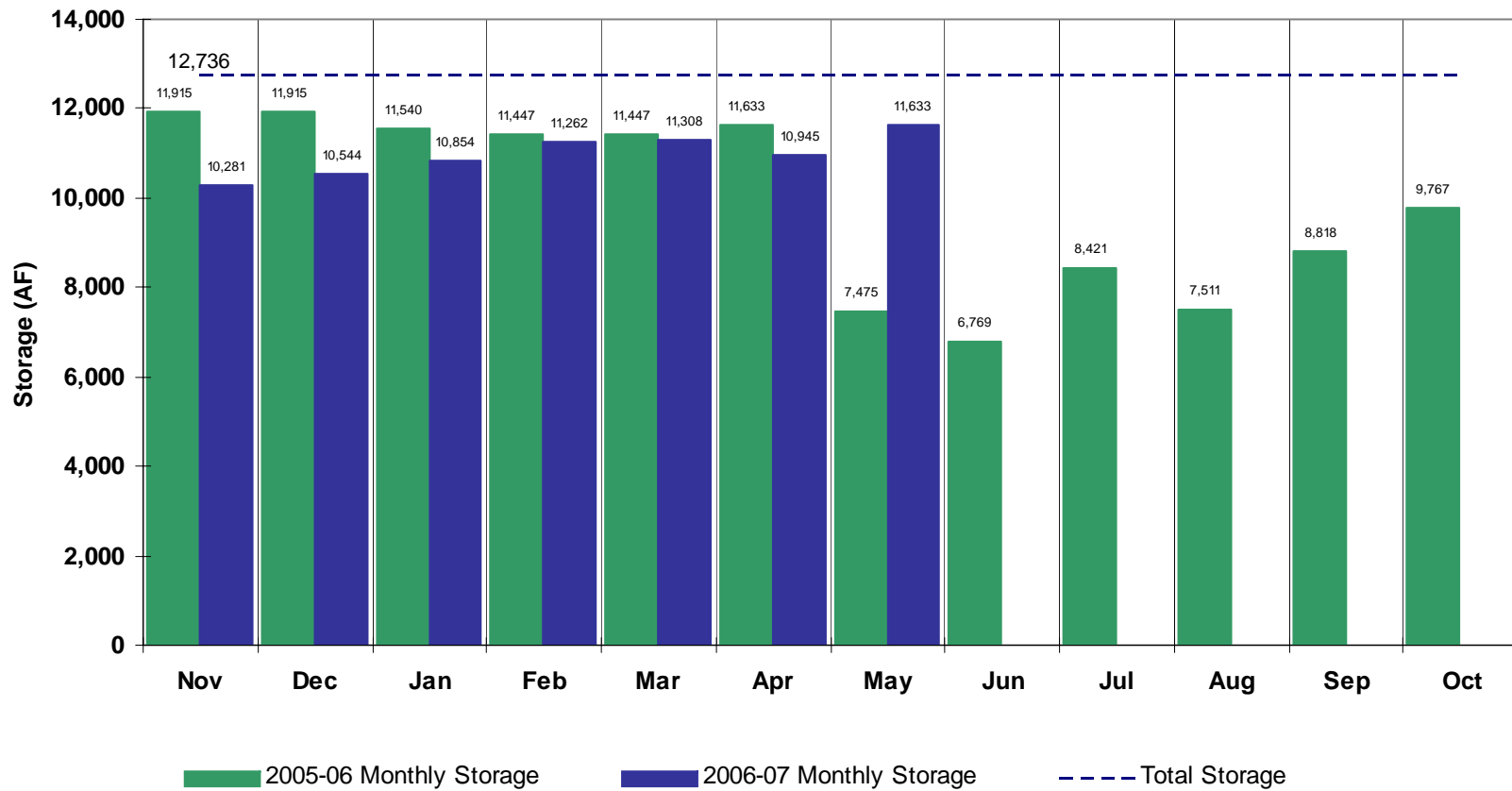
# Marshall Lake

(District 6, Boulder Creek - Agricultural)



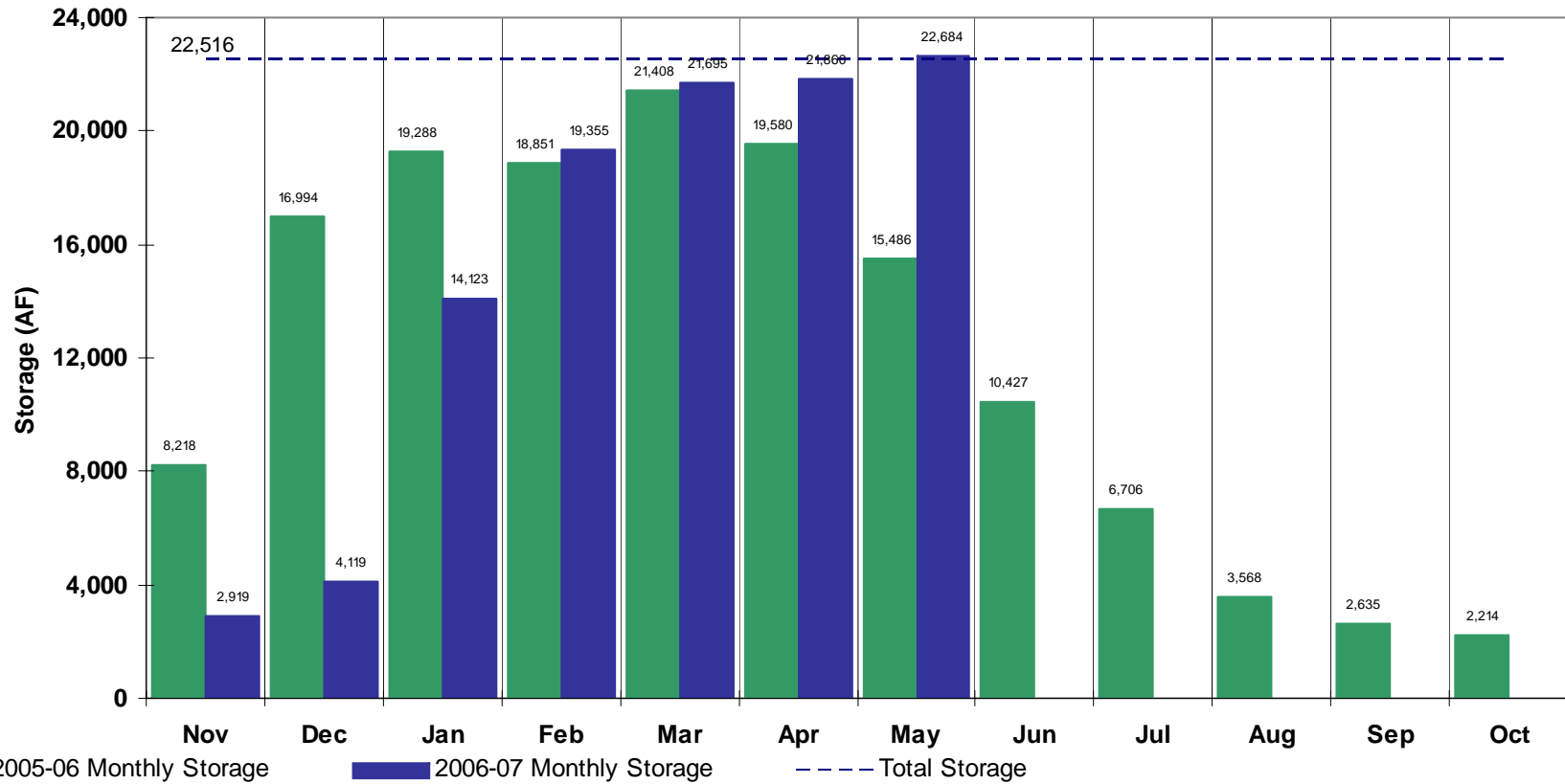
# Loveland Greeley Reservoir

(District 4, Big Thompson River - Agricultural)



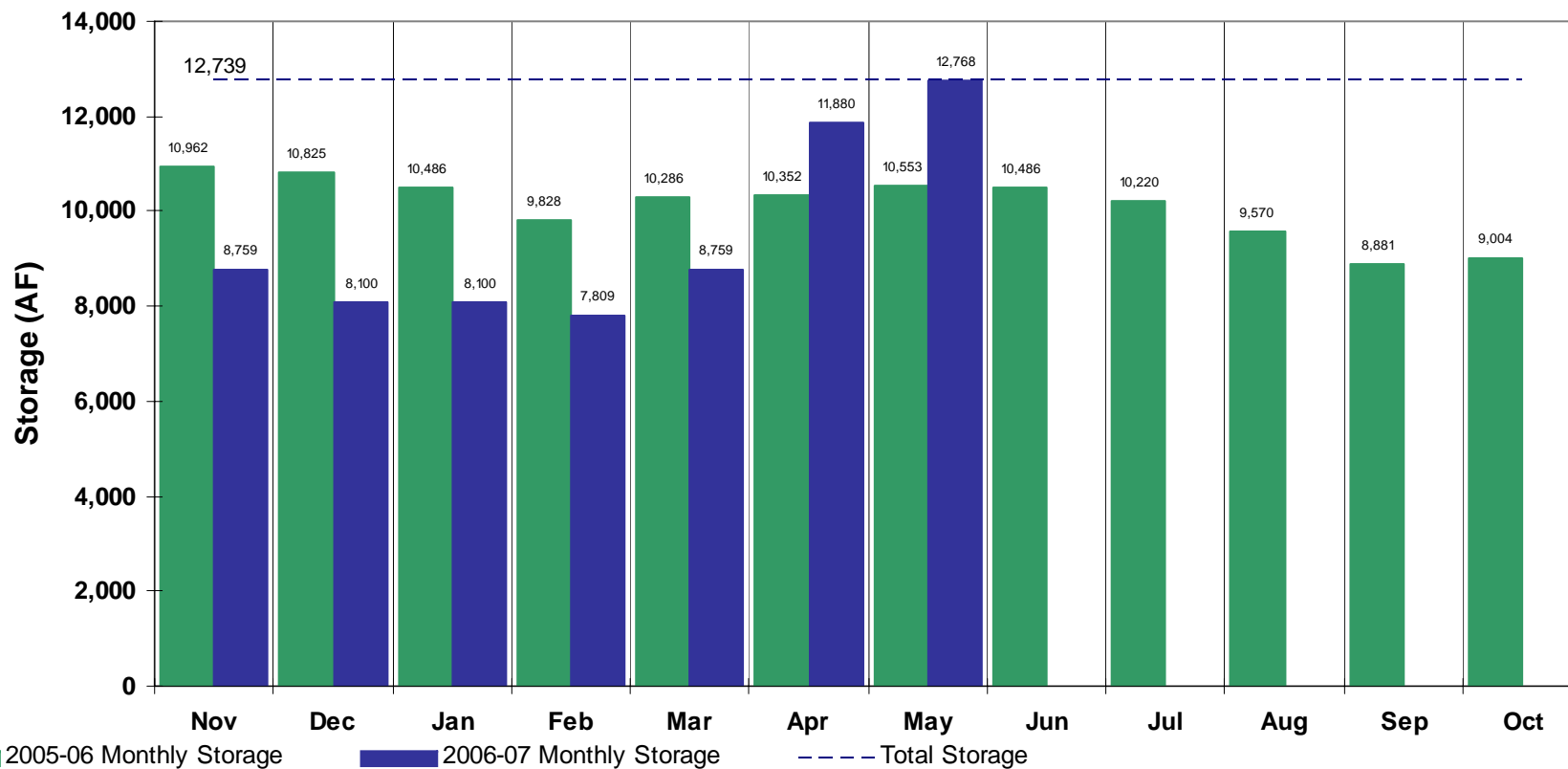
# Milton Reservoir

(District 2 - Agricultural)

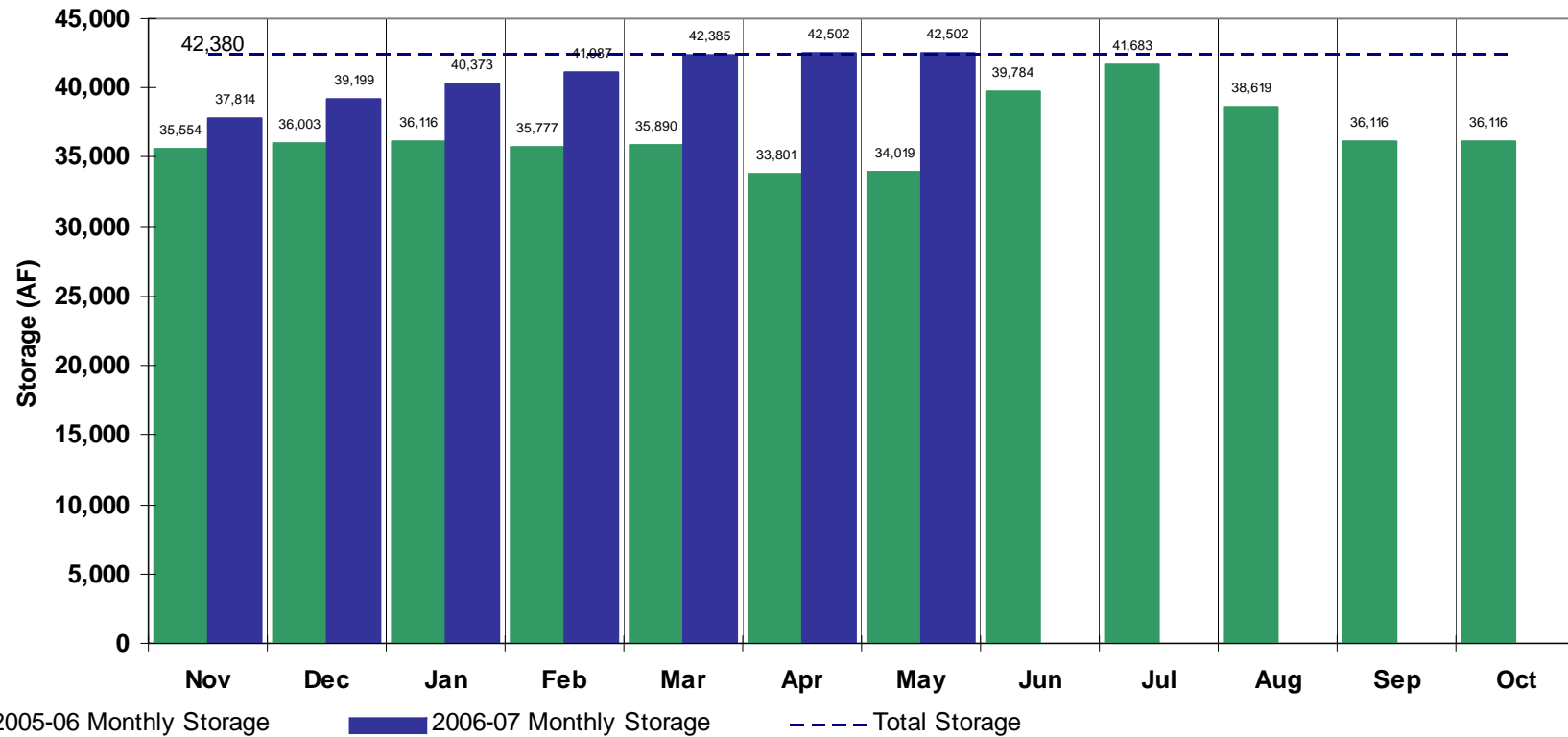


# Union Reservoir

(District 5, St. Vrain Creek - Agricultural)

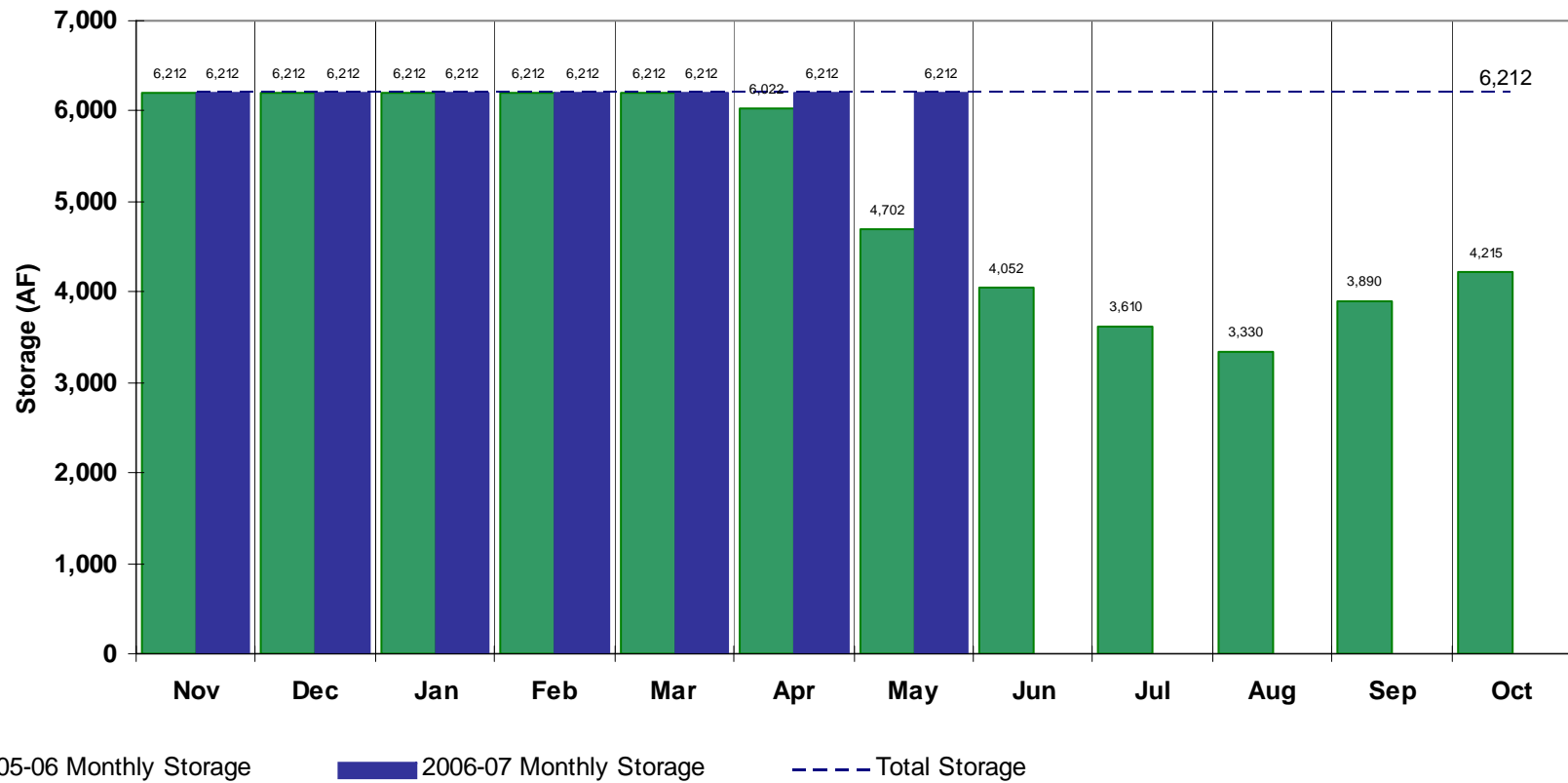


# Standley Lake (Agricultural)



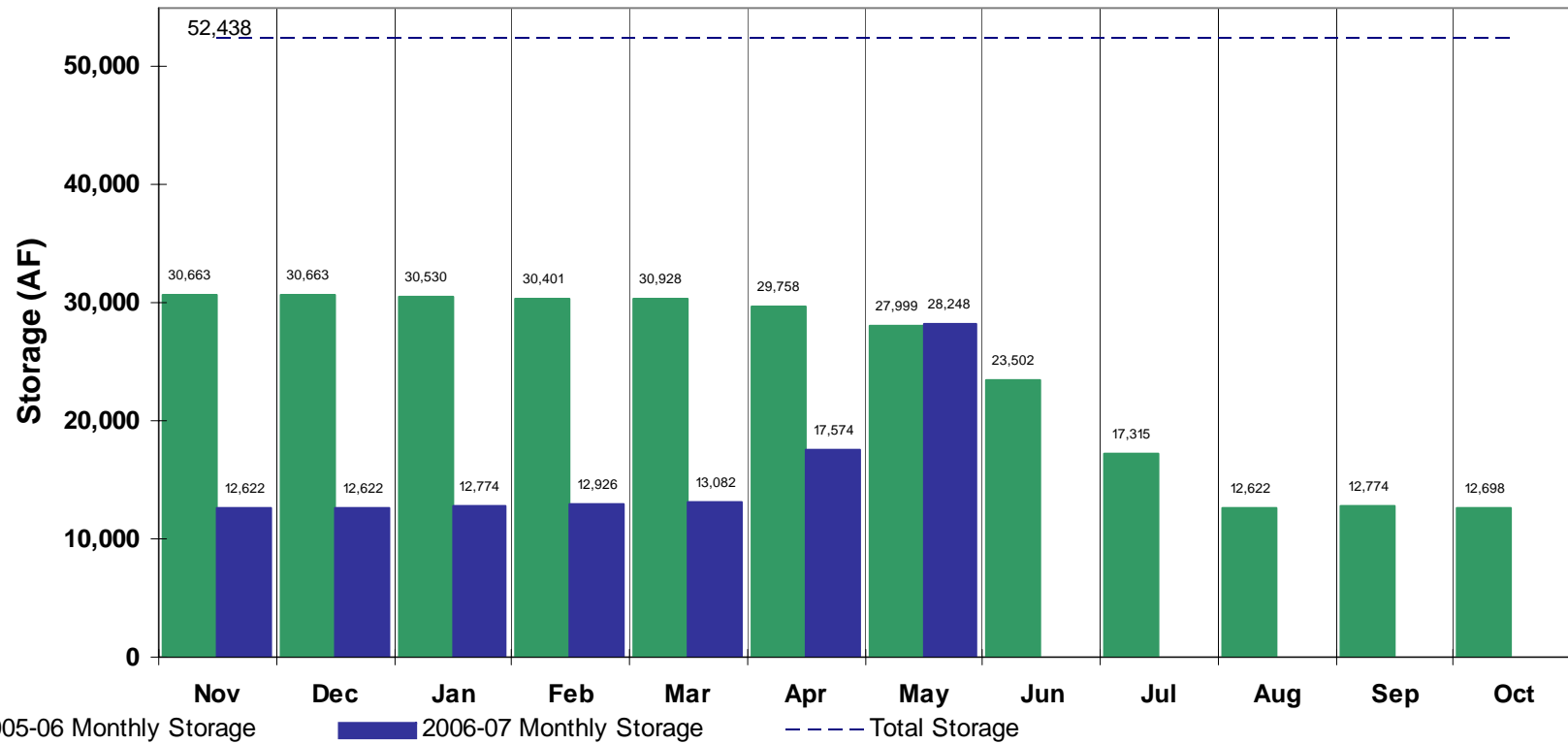
# Lower Latham Reservoir

## (District 2 - Agricultural)



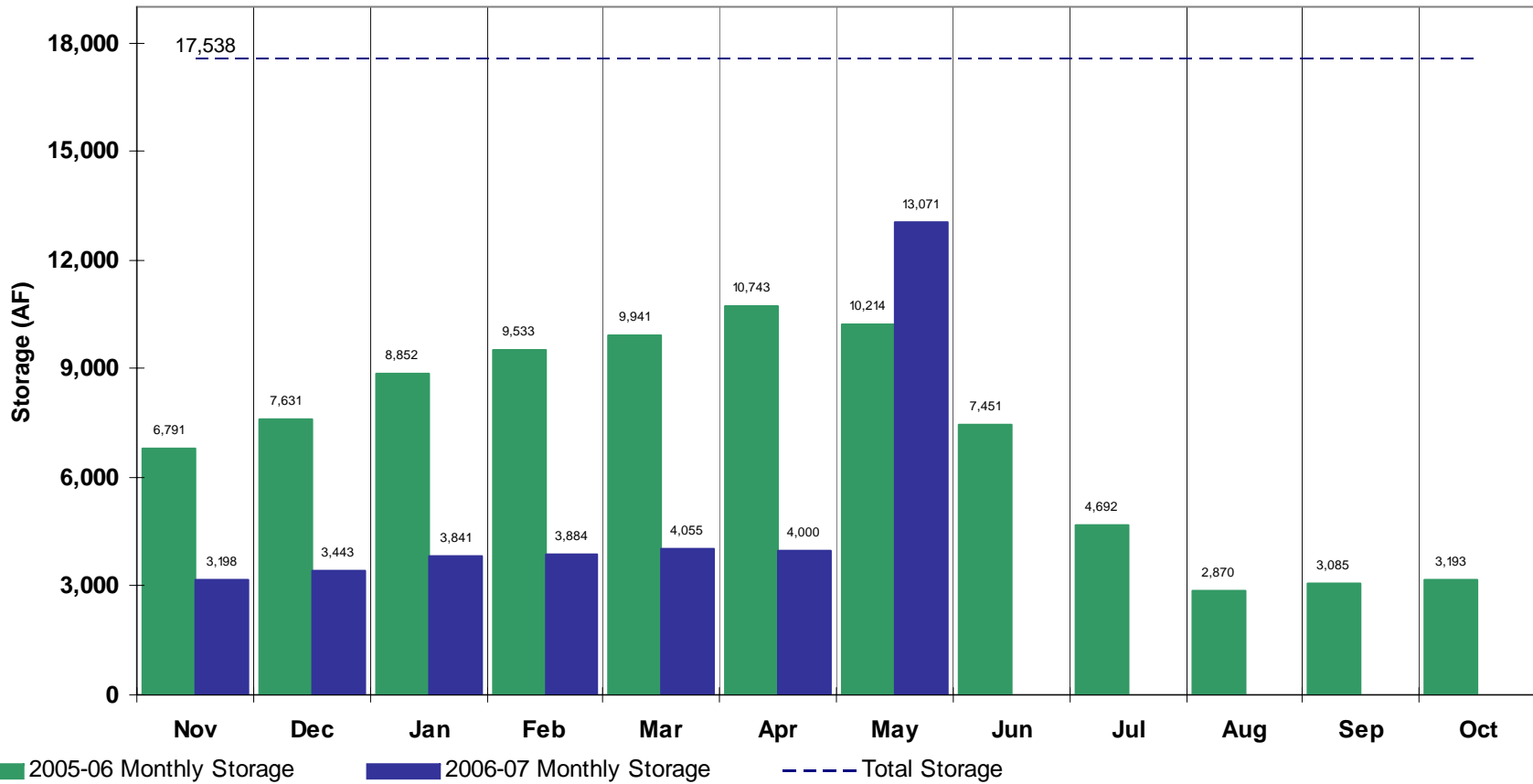
# Boyd Lake

(District 4, Big Thompson River - Agricultural)



# Windsor Reservoir

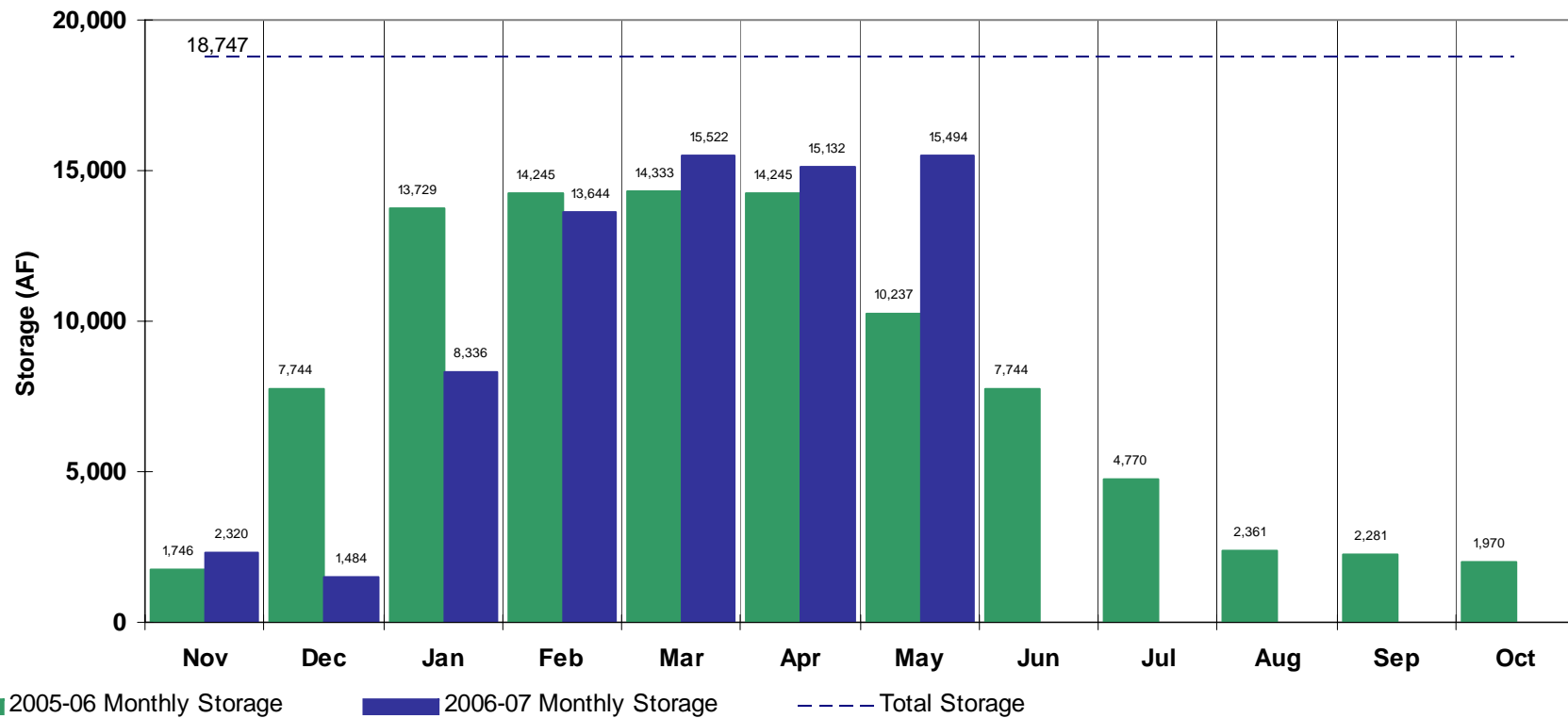
(District 3, Poudre River - Agricultural)





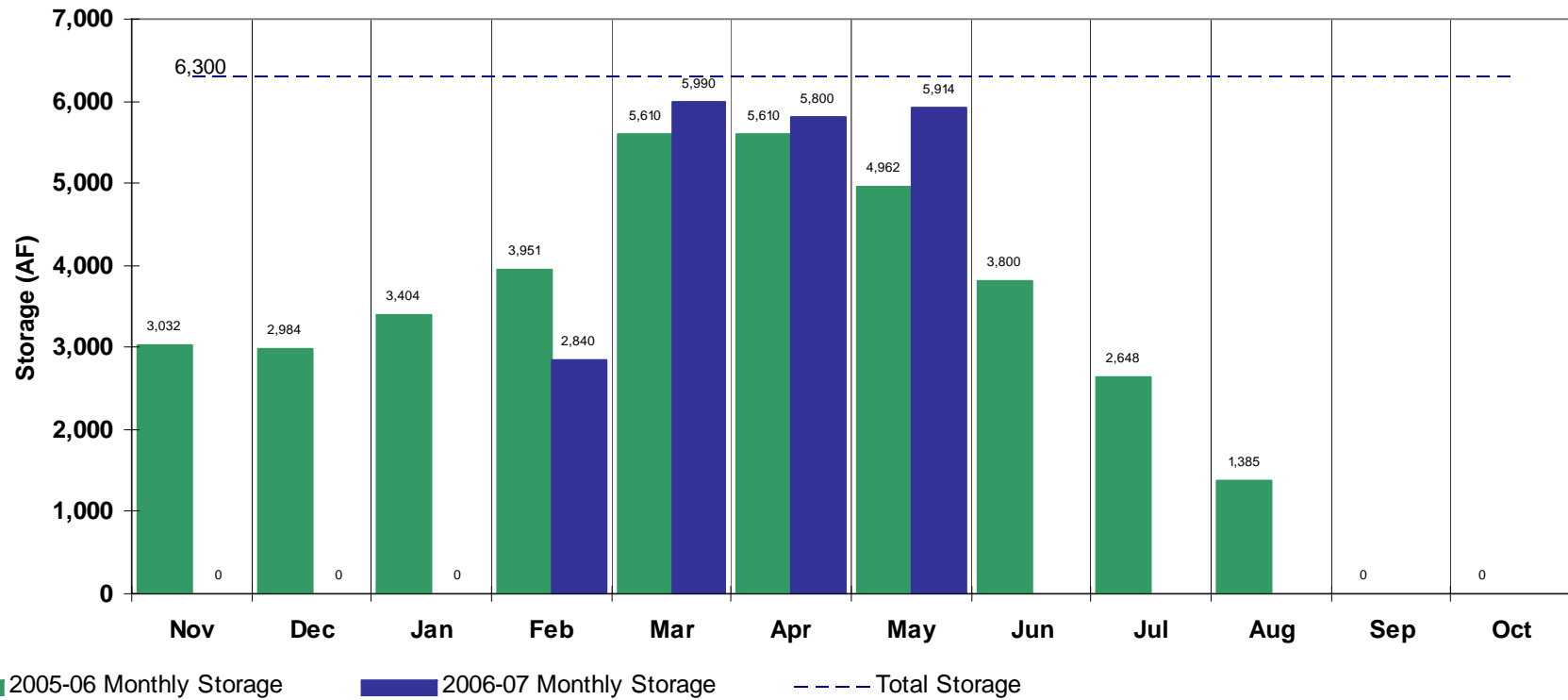
# Horse Creek Reservoir

(District 1 - Agricultural)



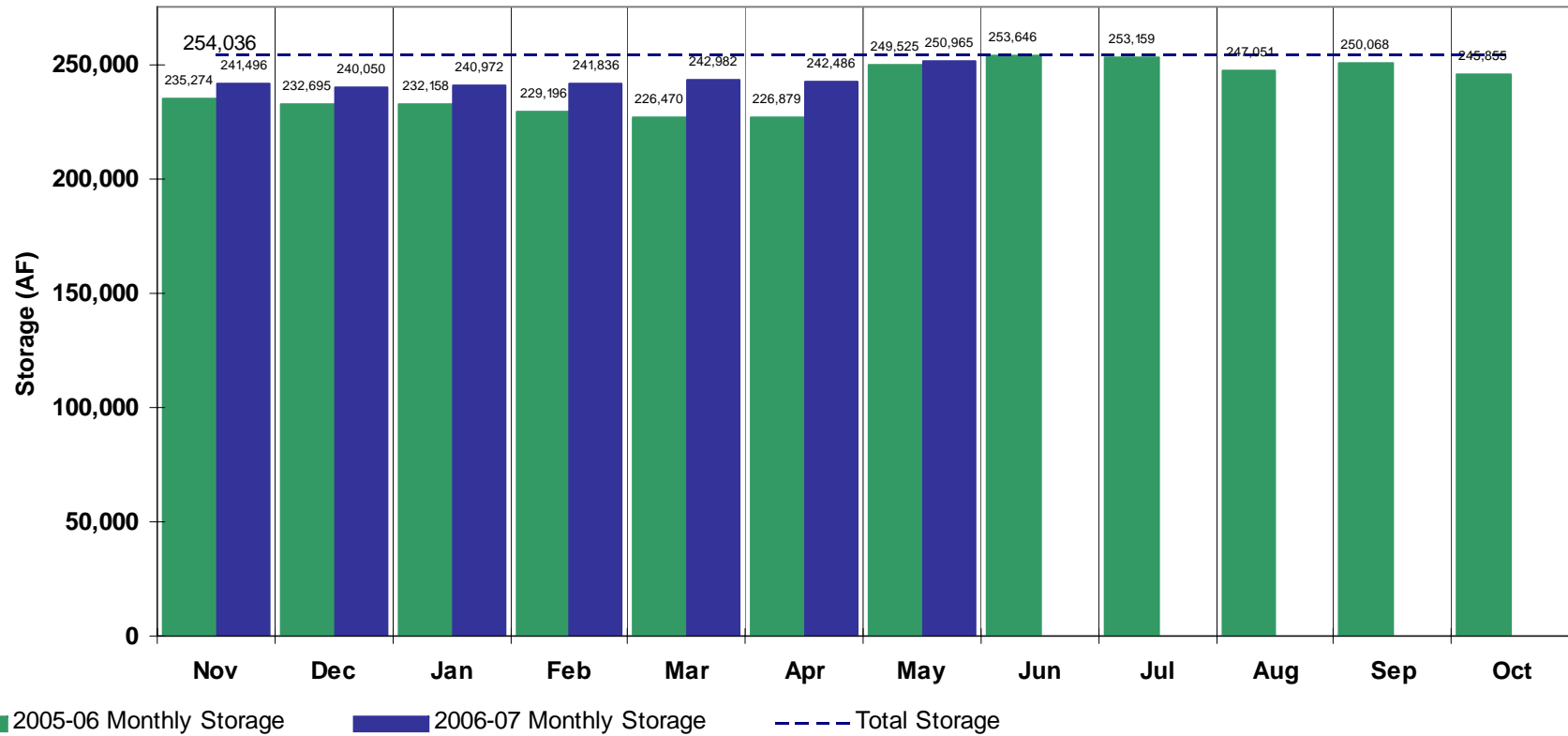
# Prospect Reservoir

(District 1- Agricultural)



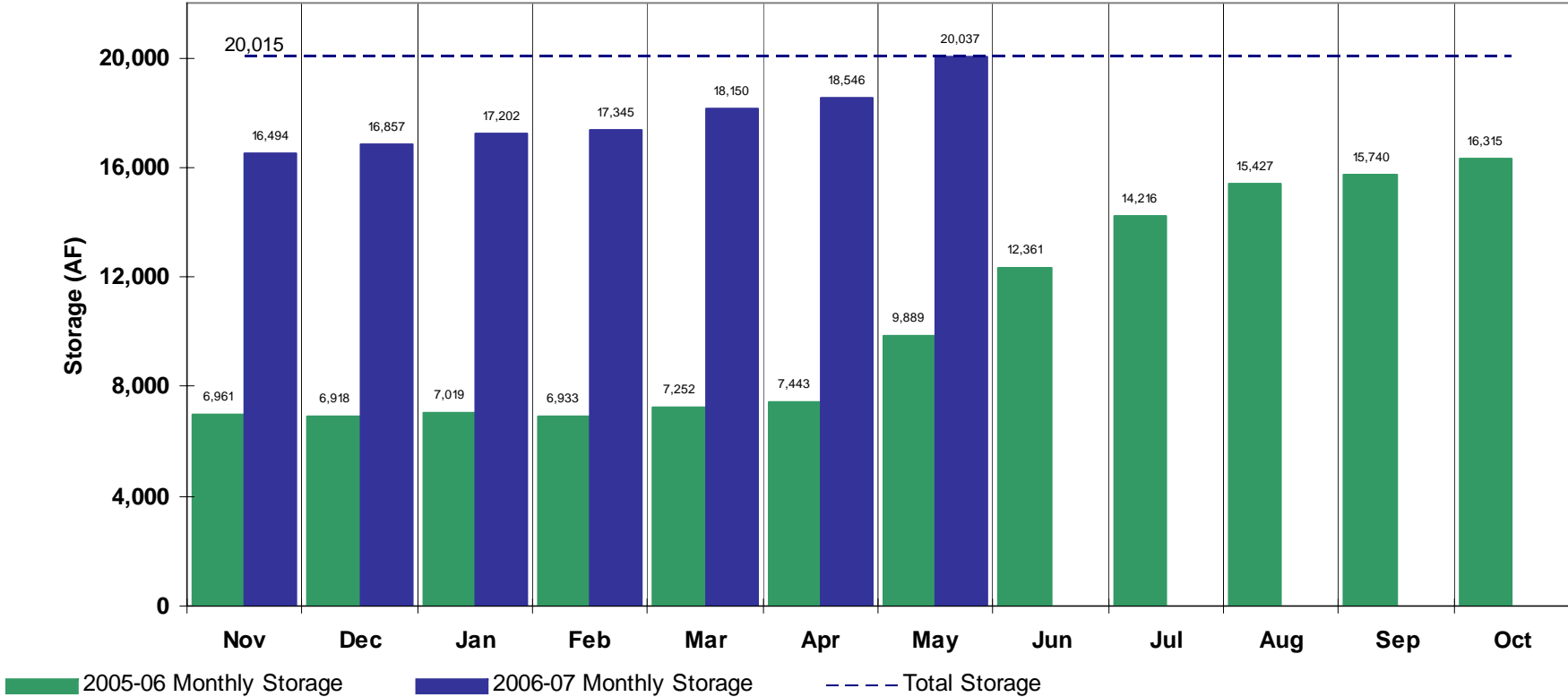
# Dillon Reservoir

(Municipal)



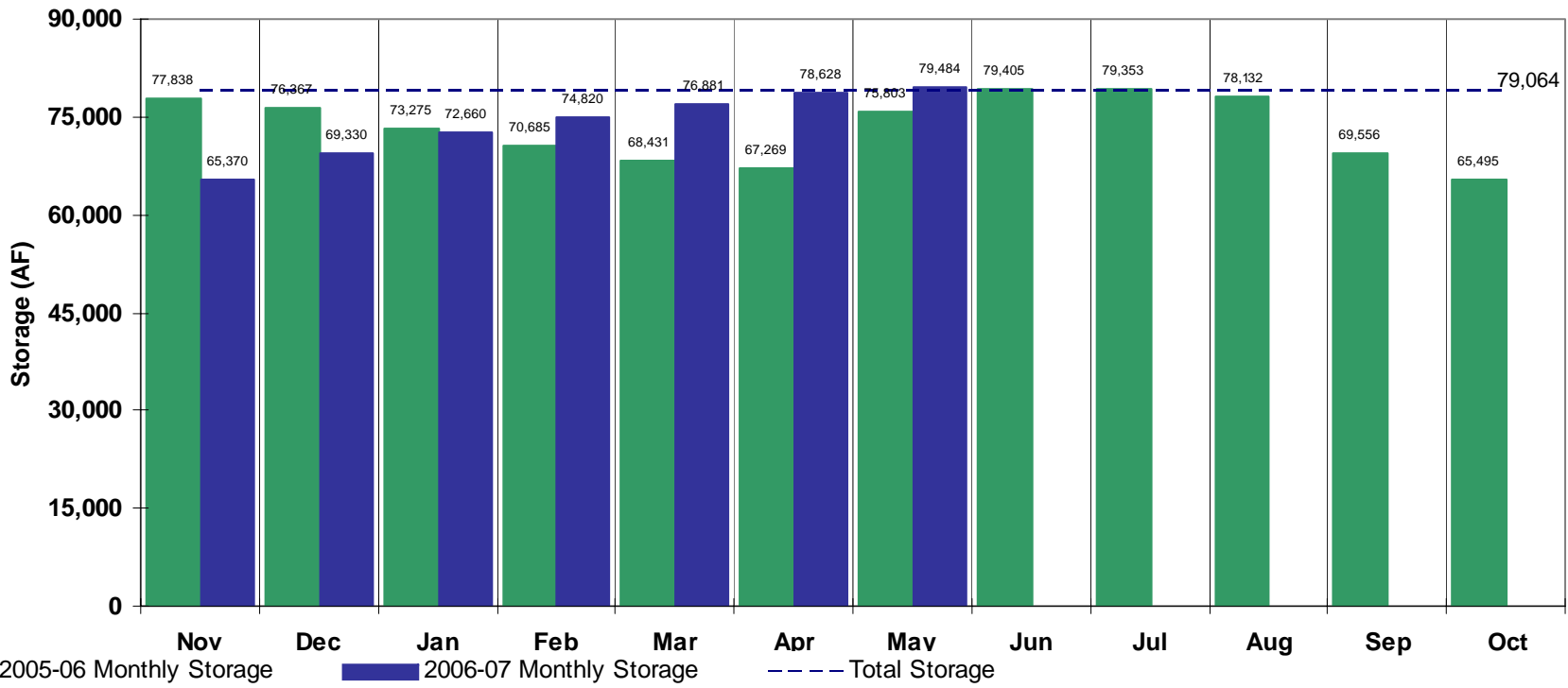
# Antero Reservoir

(District 23 - Municipal)



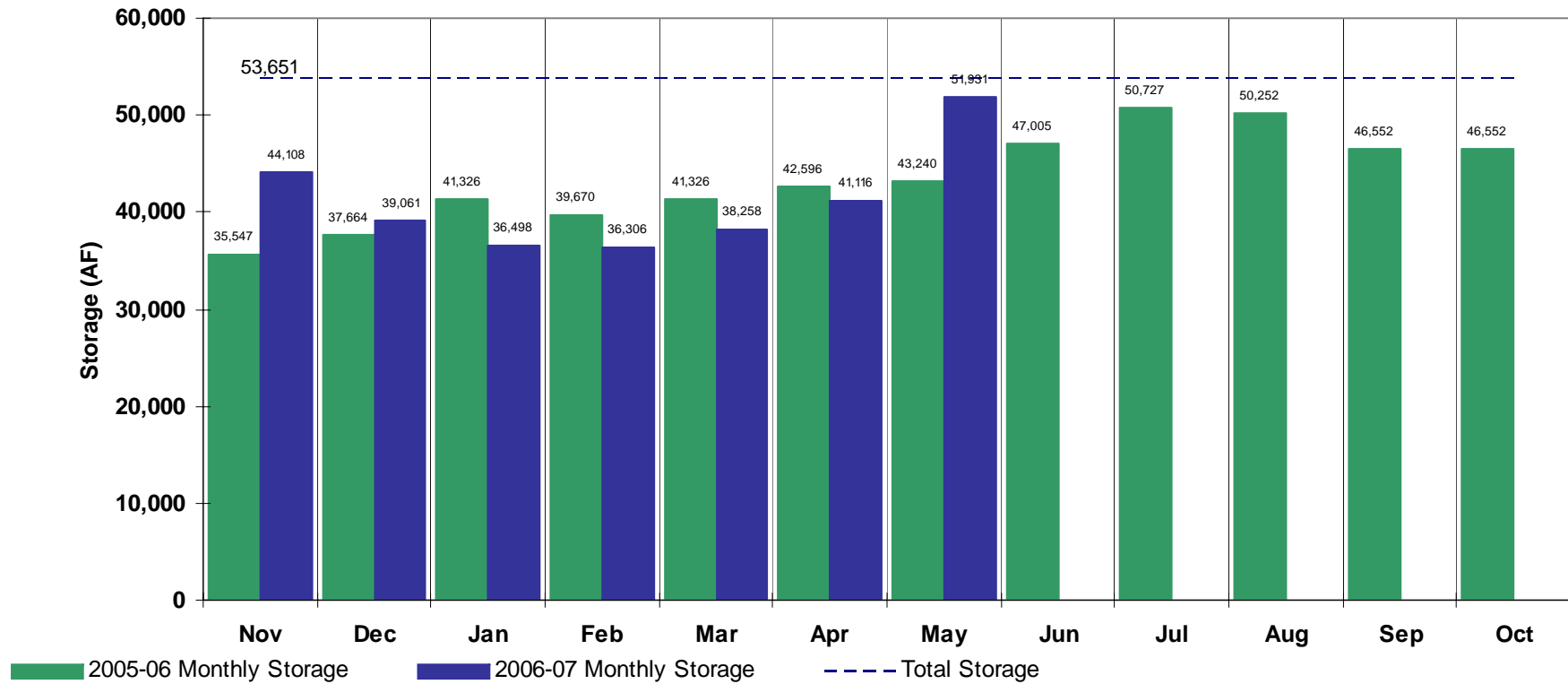
# Cheesman Reservoir

(District 80 - Municipal)



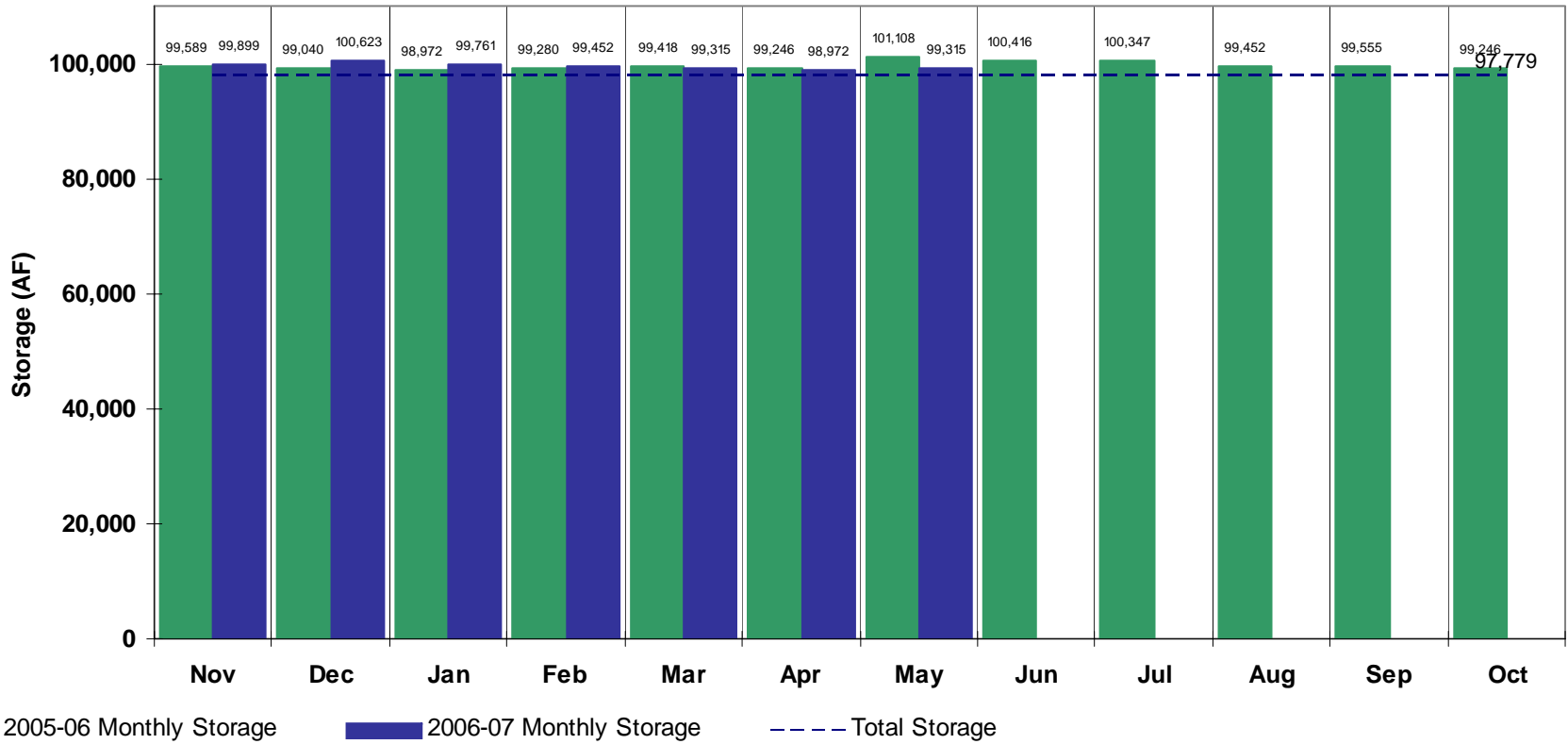
# Spinney Mountain Reservoir

(District 23 - Municipal)

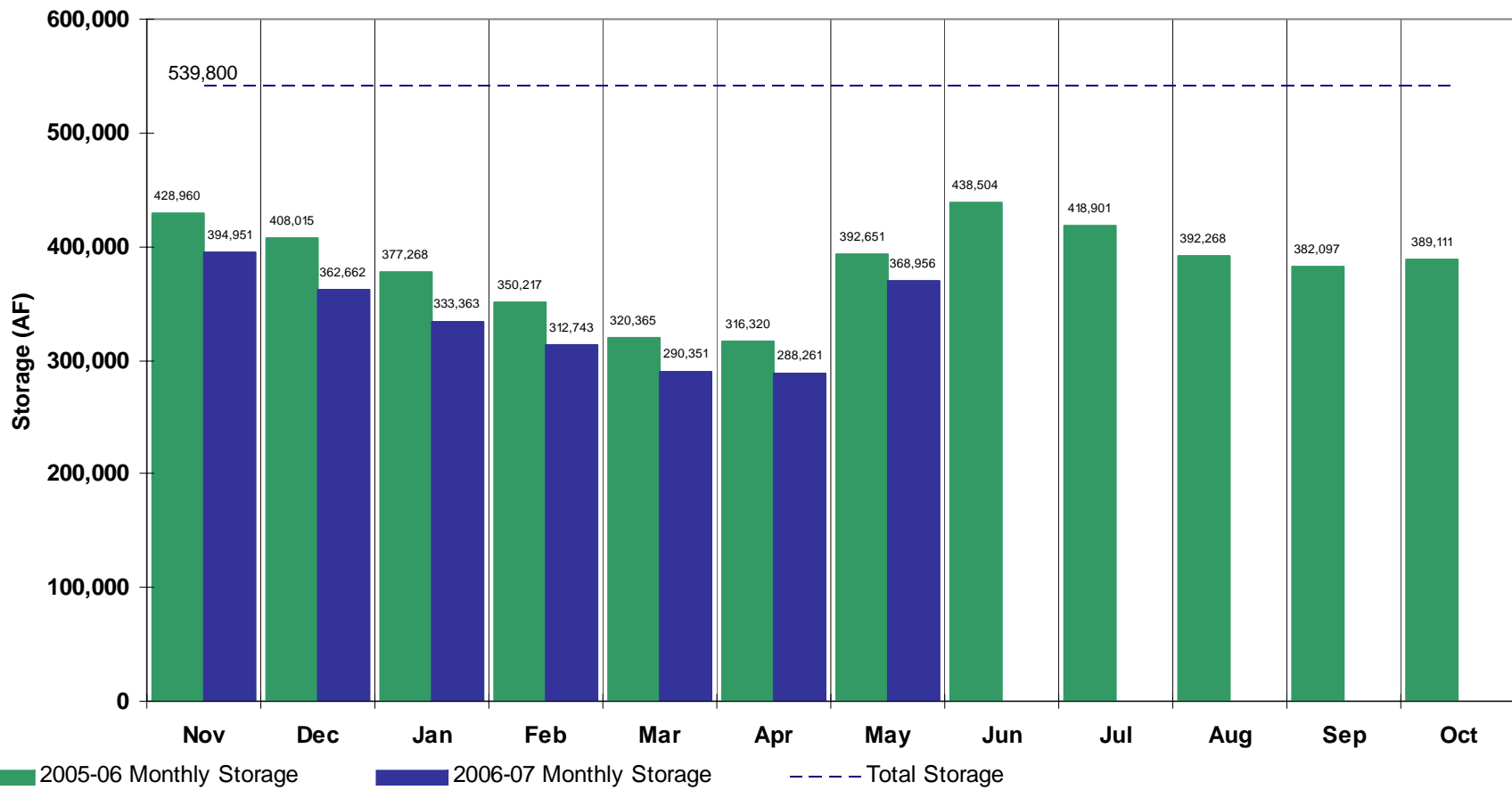


# Eleven Mile Reservoir

(District 23 - Municipal)



# Lake Granby





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

Wildlife at Adams Tunnel  
(Photo by Russell Stroud)

