

South Platte Summary

August 2007

By David Ellington



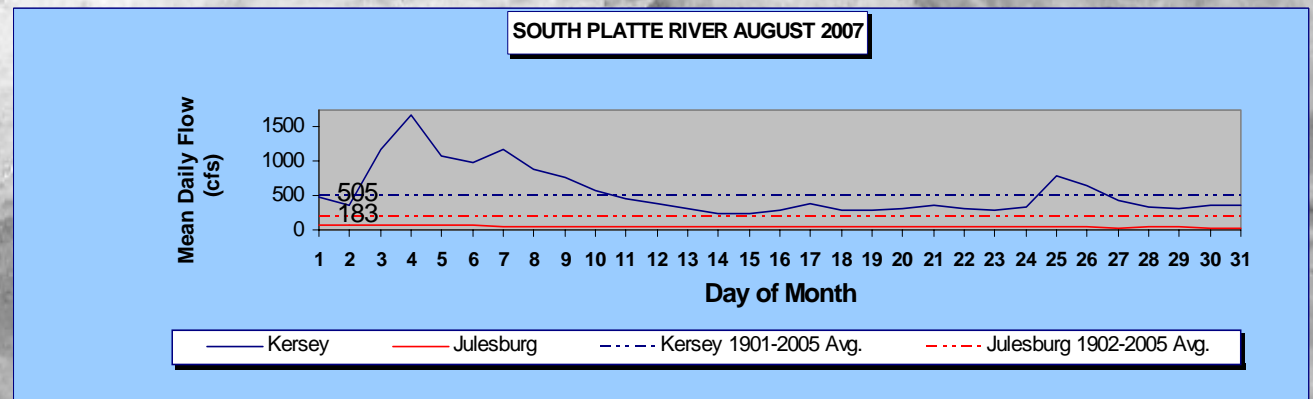
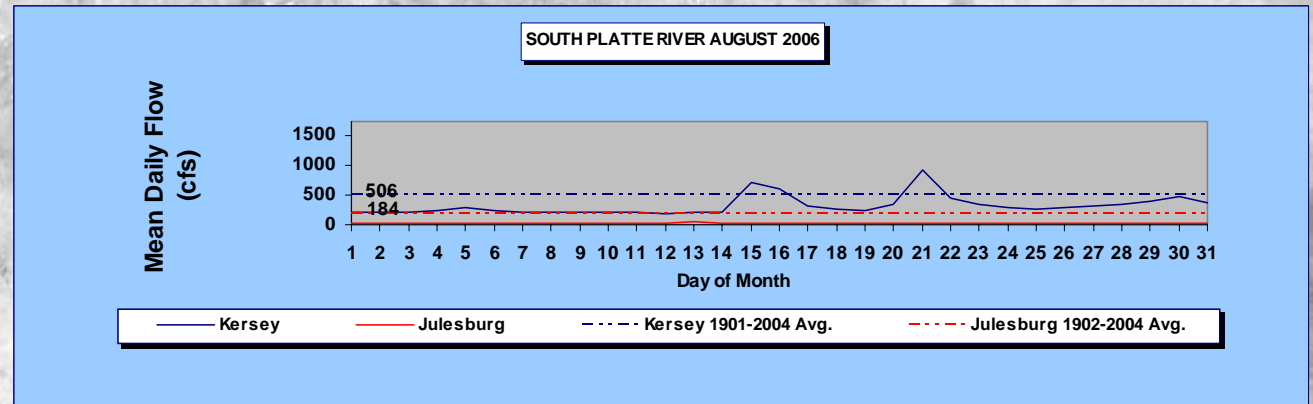
Olympus Dam
(Photo by Russell Stroud)

COLORADO DIVISION OF WATER RESOURCES, DIVISION 1

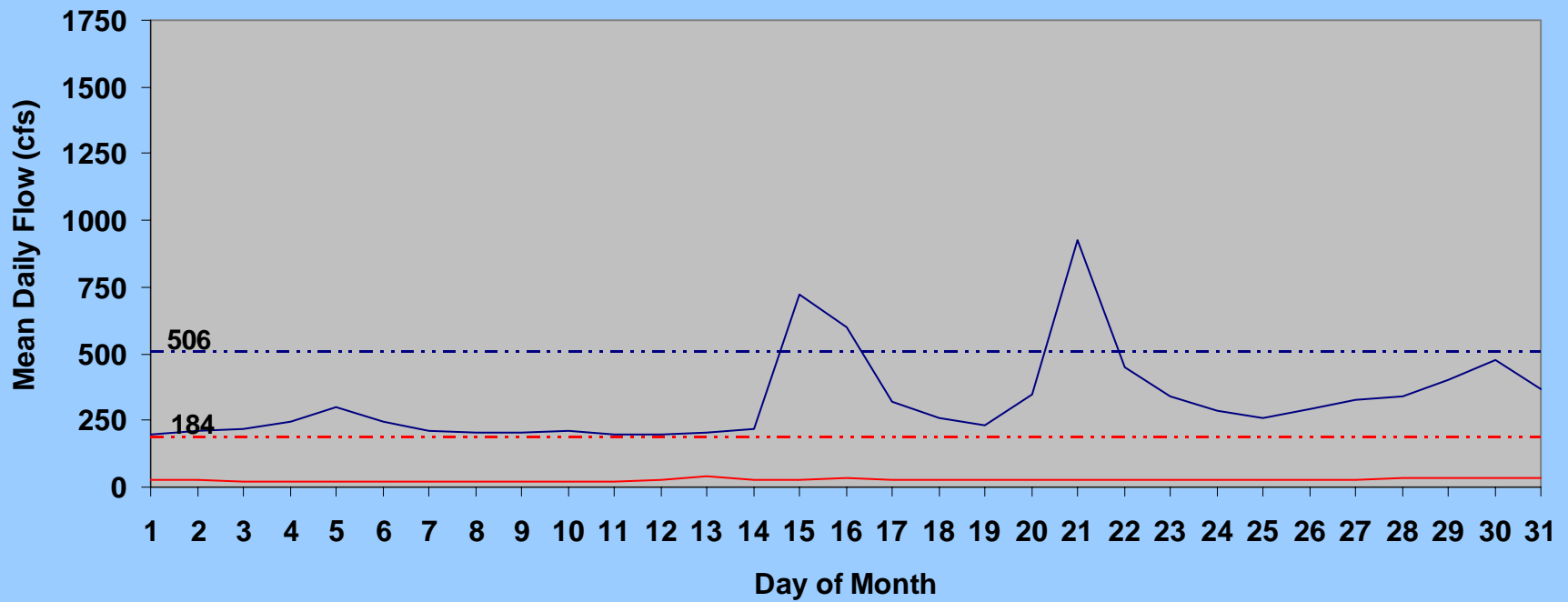
MONTH OF AUGUST 2007

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	14,835	11,474	64	-3,361	-23%	51%	0%	0
N STERLING	73,730	41,859	21,147	64	-20,712	-49%	29%	5%	0
PREWITT	28,500	18,913	17,510	64	-1,403	-7%	61%	19%	0
JACKSON	27,257	20,304	17,381	1	-2,923	-14%	64%	0%	0
EMPIRE	37,700	20,804	15,130	1	-5,674	-27%	40%	0%	0
RIVERSIDE	63,113	40,378	27,562	1	-12,816	-32%	44%	15%	0
BARR LAKE	31,652	21,951	19,662	2	-2,289	-10%	62%	13%	0
CHEESMAN	79,064	79,361	78,767	80	-594	-1%	100%	99%	0
ELEVEN MILE	97,779	101,038	99,383	23	-1,655	-2%	100%	100%	1,604
SPINNEY	53,651	52,663	50,252	23	-2,411	-5%	94%	94%	0
ANTERO	20,015	20,081	19,993	23	-88	0%	100%	77%	0

RIVER GAGES	MEAN DAILY FLOW (CFS)
KERSEY	543
JULESBURG	46
THIS MONTH LAST YEAR	
KERSEY	323
JULESBURG	27
MEAN FOR PERIOD OF RECORD*	
KERSEY	505
JULESBURG	183
* 1901-2005	
1902-2005	

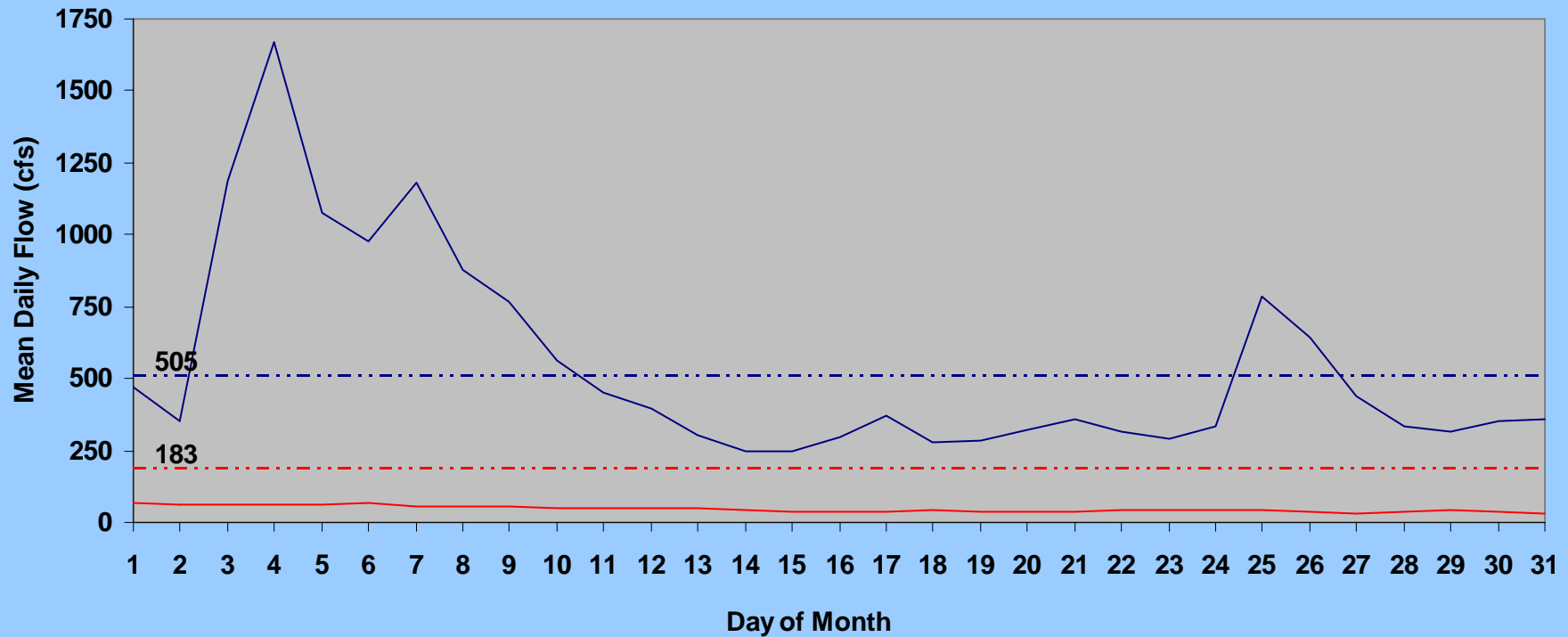


SOUTH PLATTE RIVER AUGUST 2006



— Kersey — Julesburg - - - Kersey 1901-2004 Avg. - - - Julesburg 1902-2004 Avg.

SOUTH PLATTE RIVER AUGUST 2007



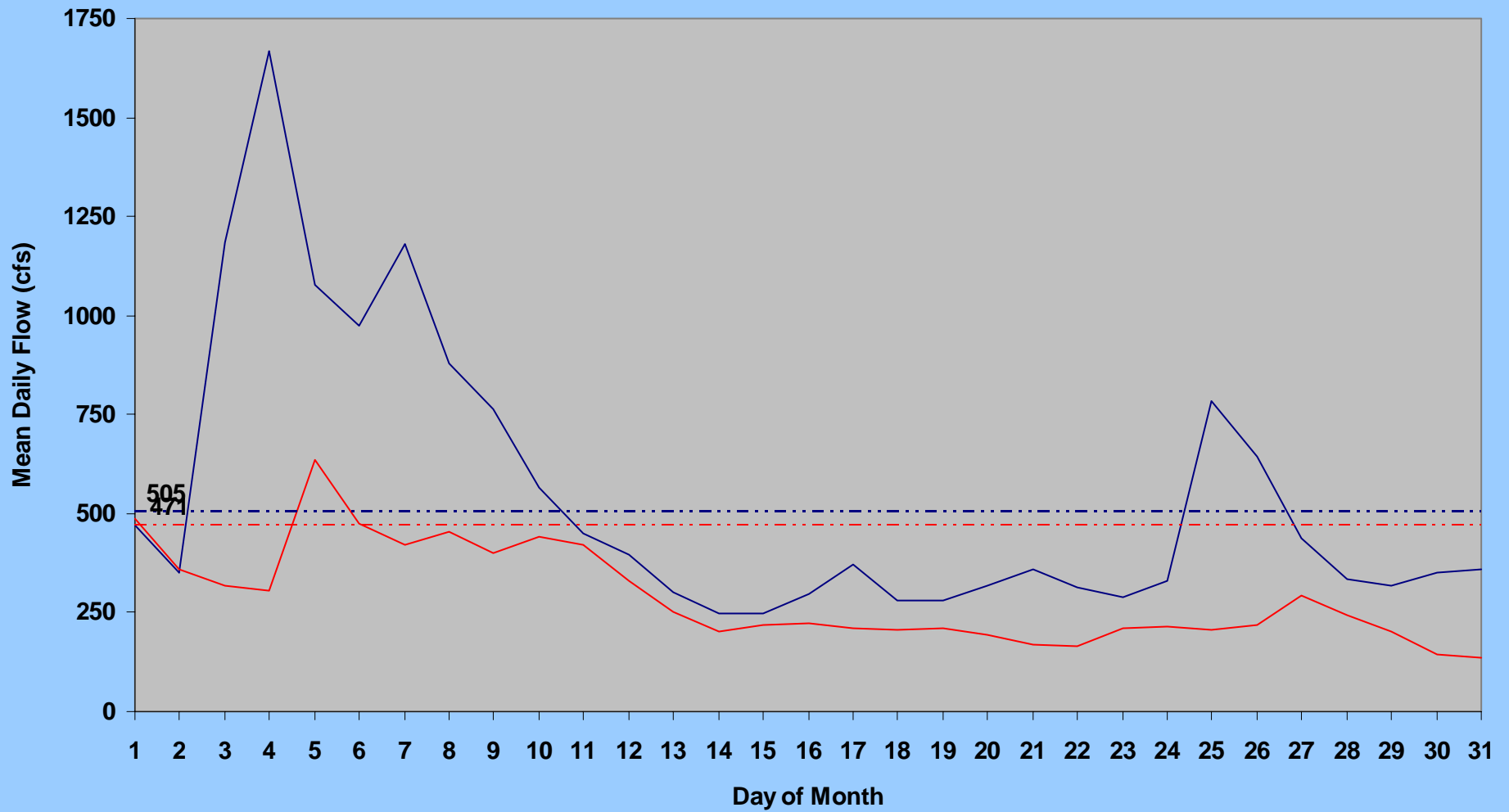
— Kersey

— Julesburg

- - - Kersey 1901-2005 Avg.

- - - Julesburg 1902-2005 Avg.

KERSEY and BALZAC AUGUST 2007



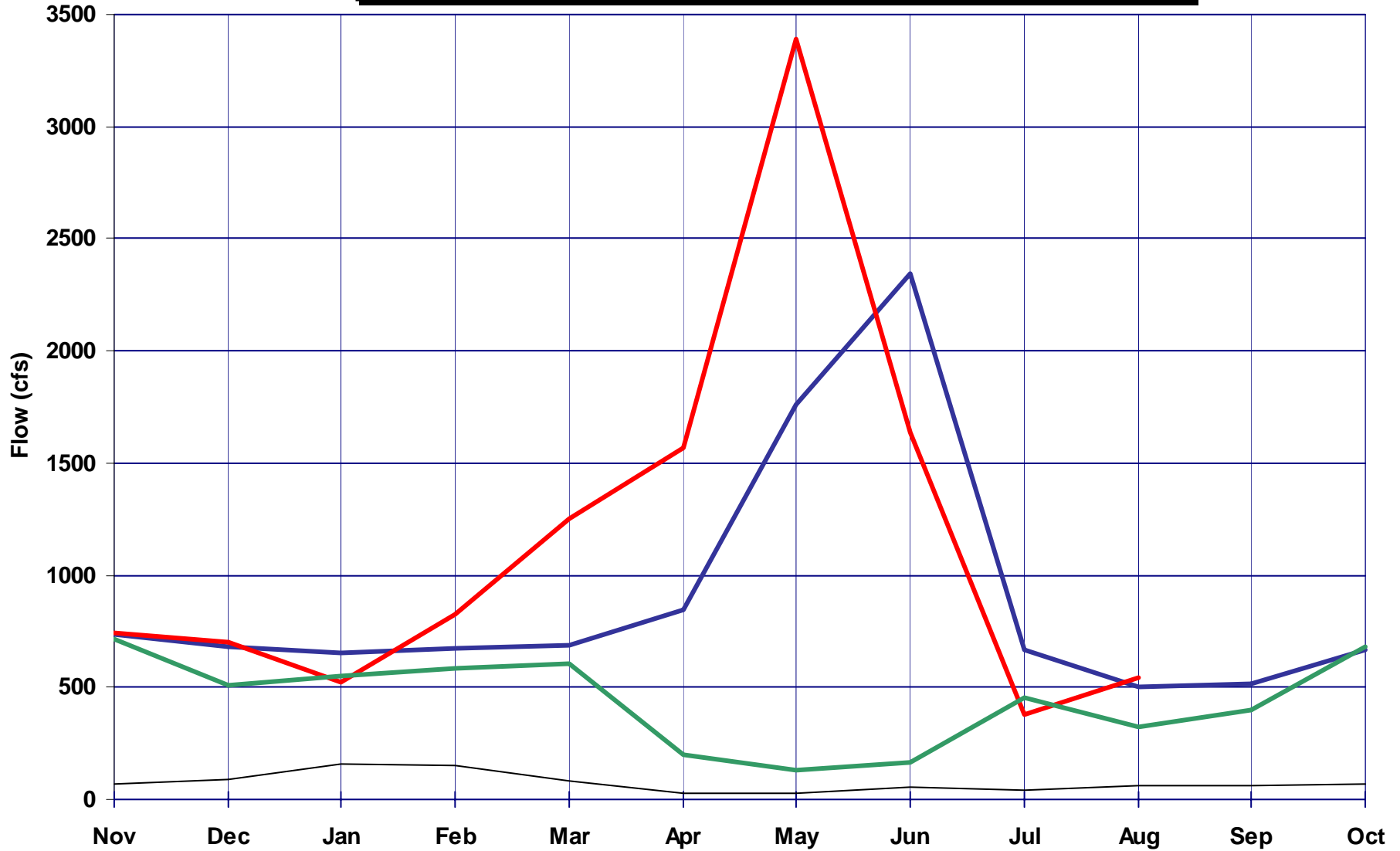
Kersey
 Balzac
 Kersey 1901-2005 Avg.
 Balzac 1988-2005 Avg.

Lefthand Park Reservoir
(Photo by John Batka)

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 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	29	2005	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	1638	Jun	1456	30800	1921	2.0	1910	572
Jul	666	12600	1983	44	1955	381	Jul	298	12600	1983	0.0	1903	54
Aug	505	9690	1951	65	1934	543	Aug	183	8920	1968	0.0	1903	46
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

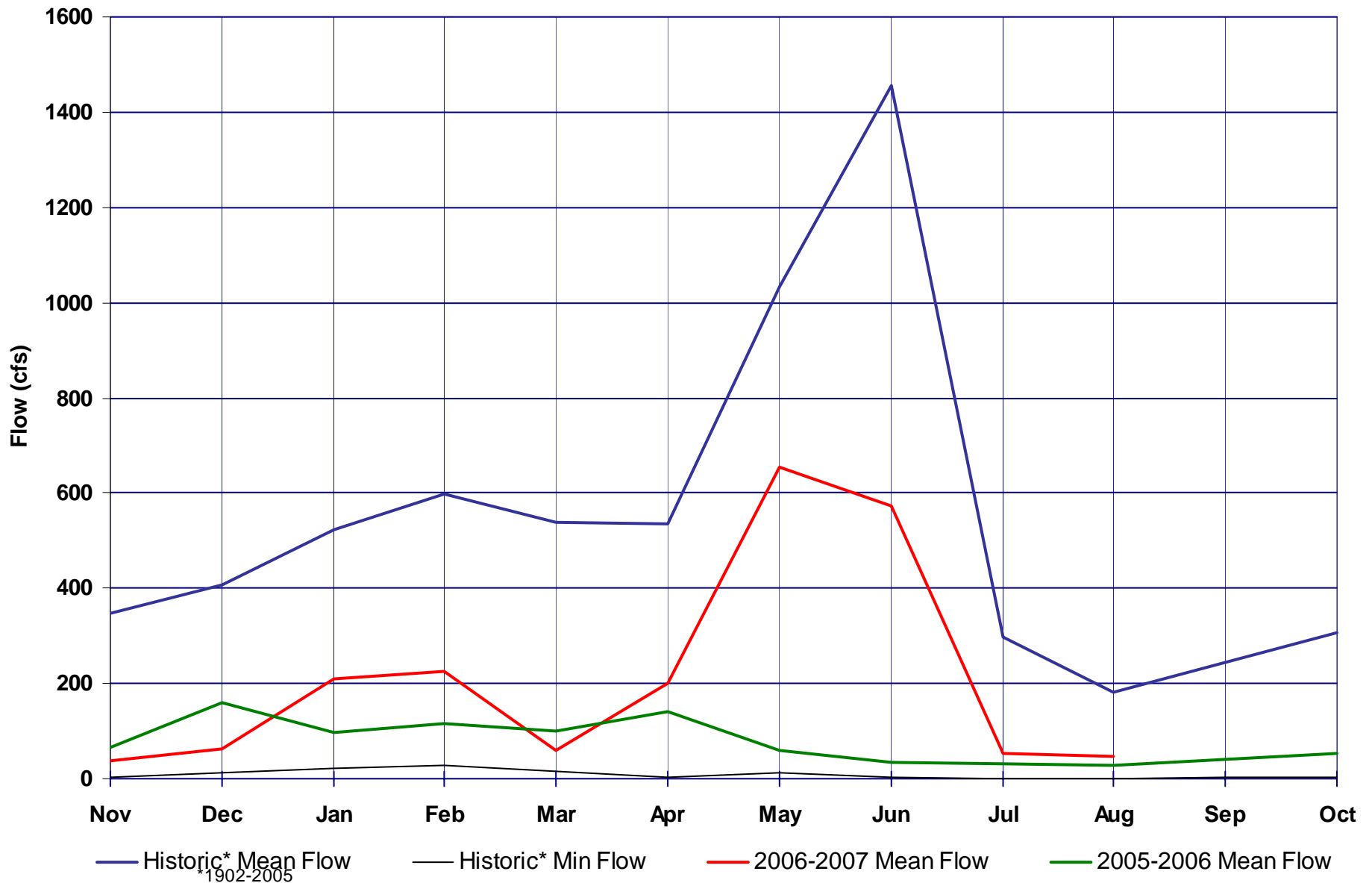
— Historic* Min Flow

— 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

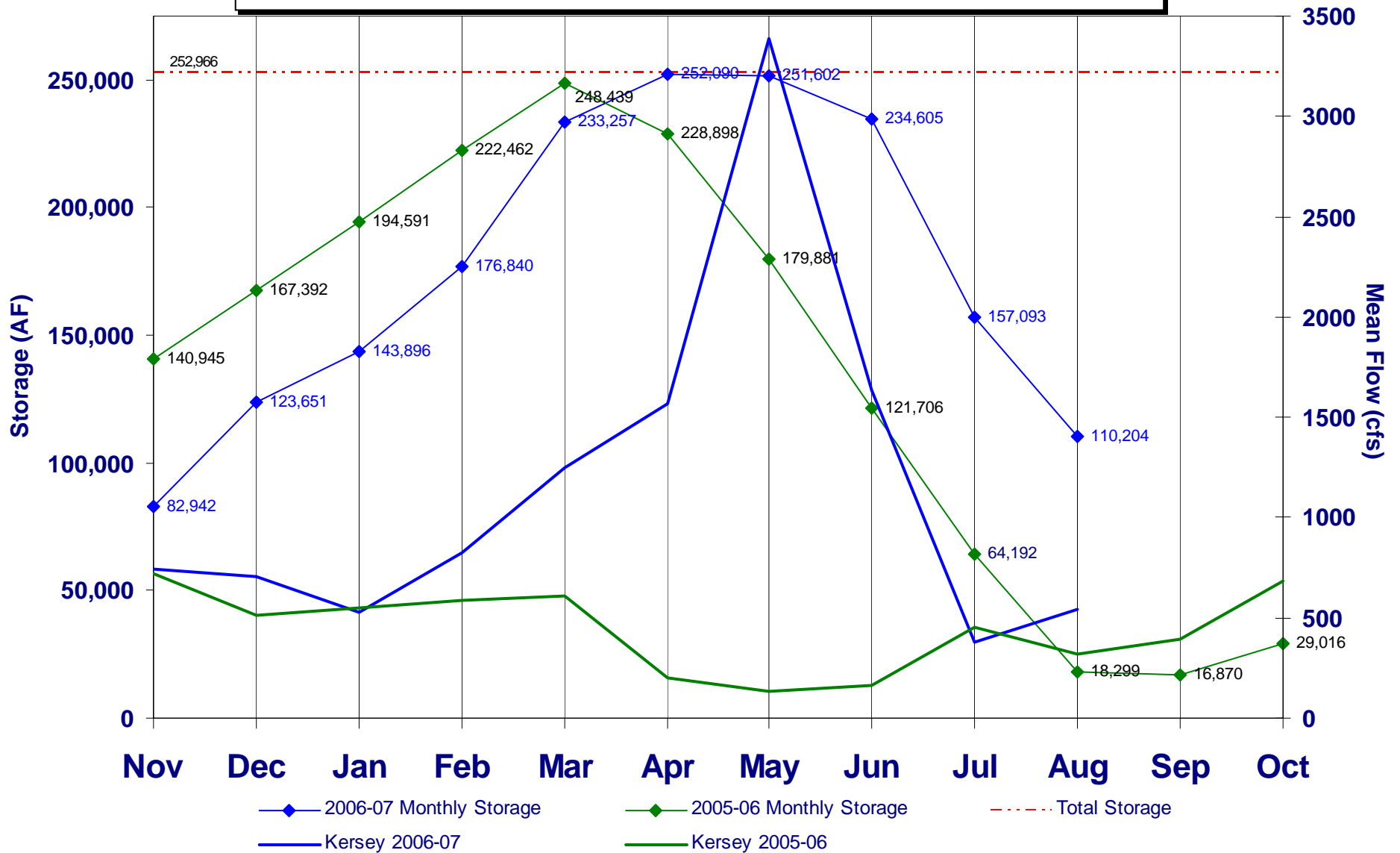


Boyd Lake Reservoir
(Photo John Batka)

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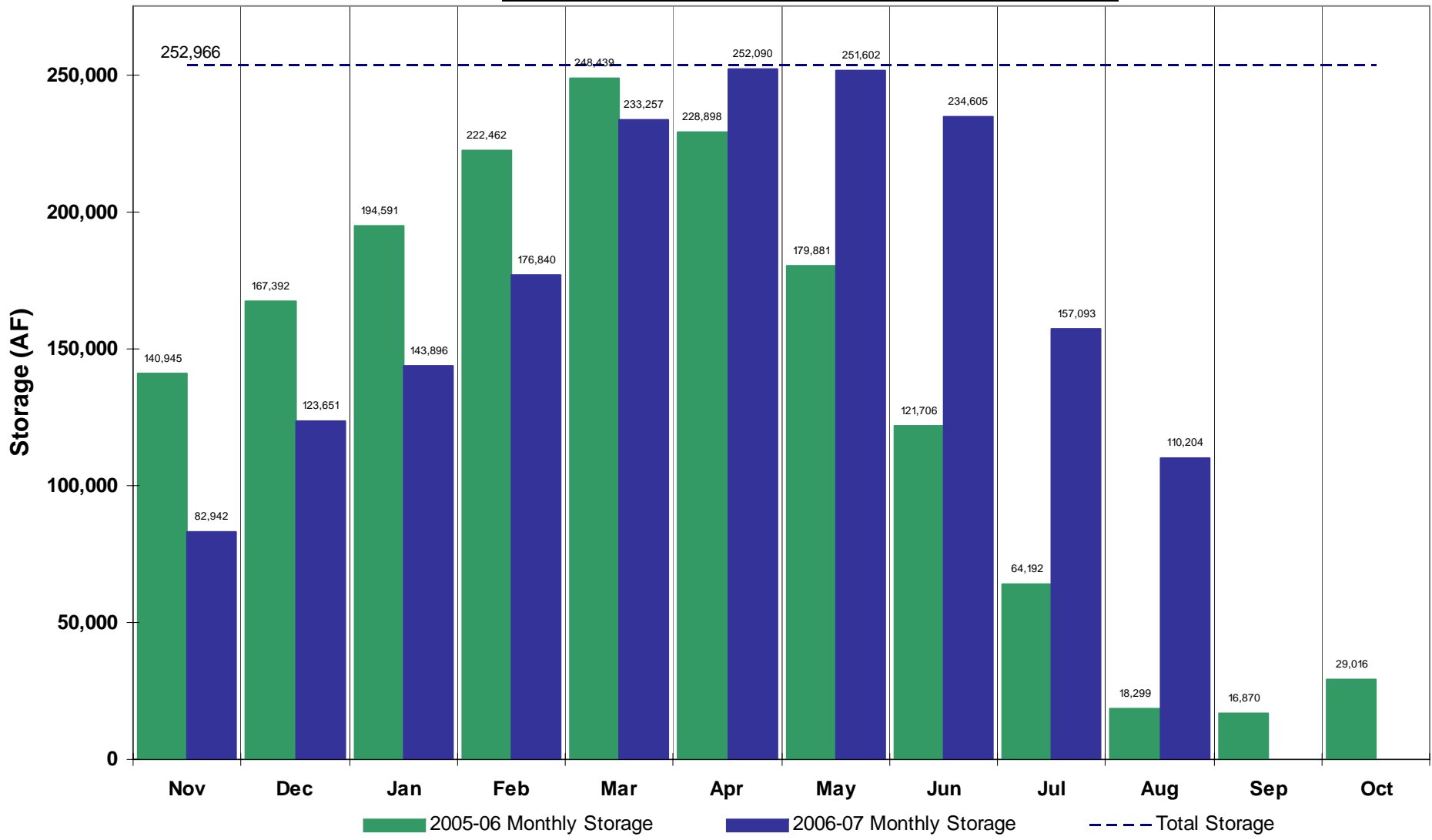
Reservoir Storage below Kersey

Selected Reservoirs*



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

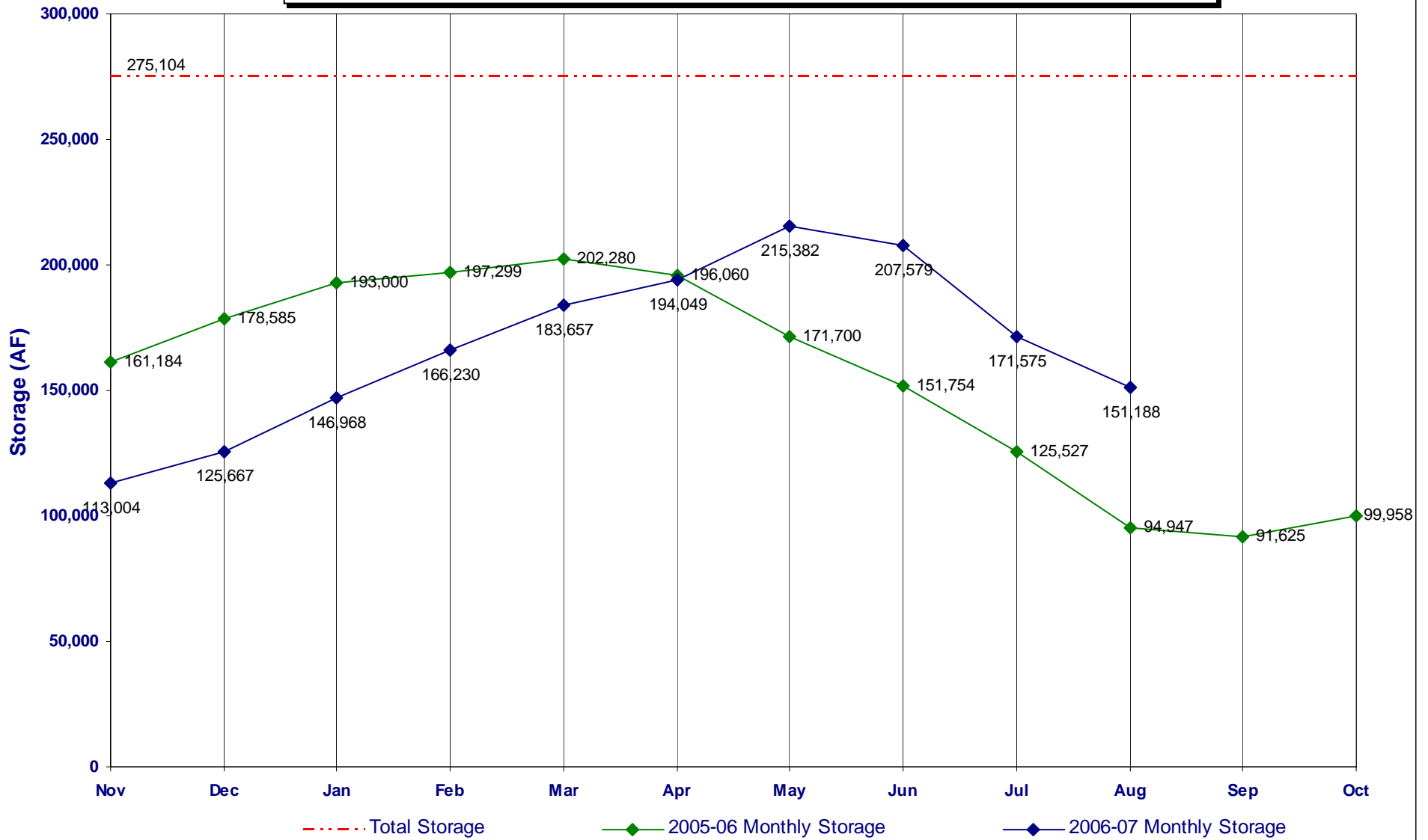
South Platte Reservoirs Storage below Kersey*



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

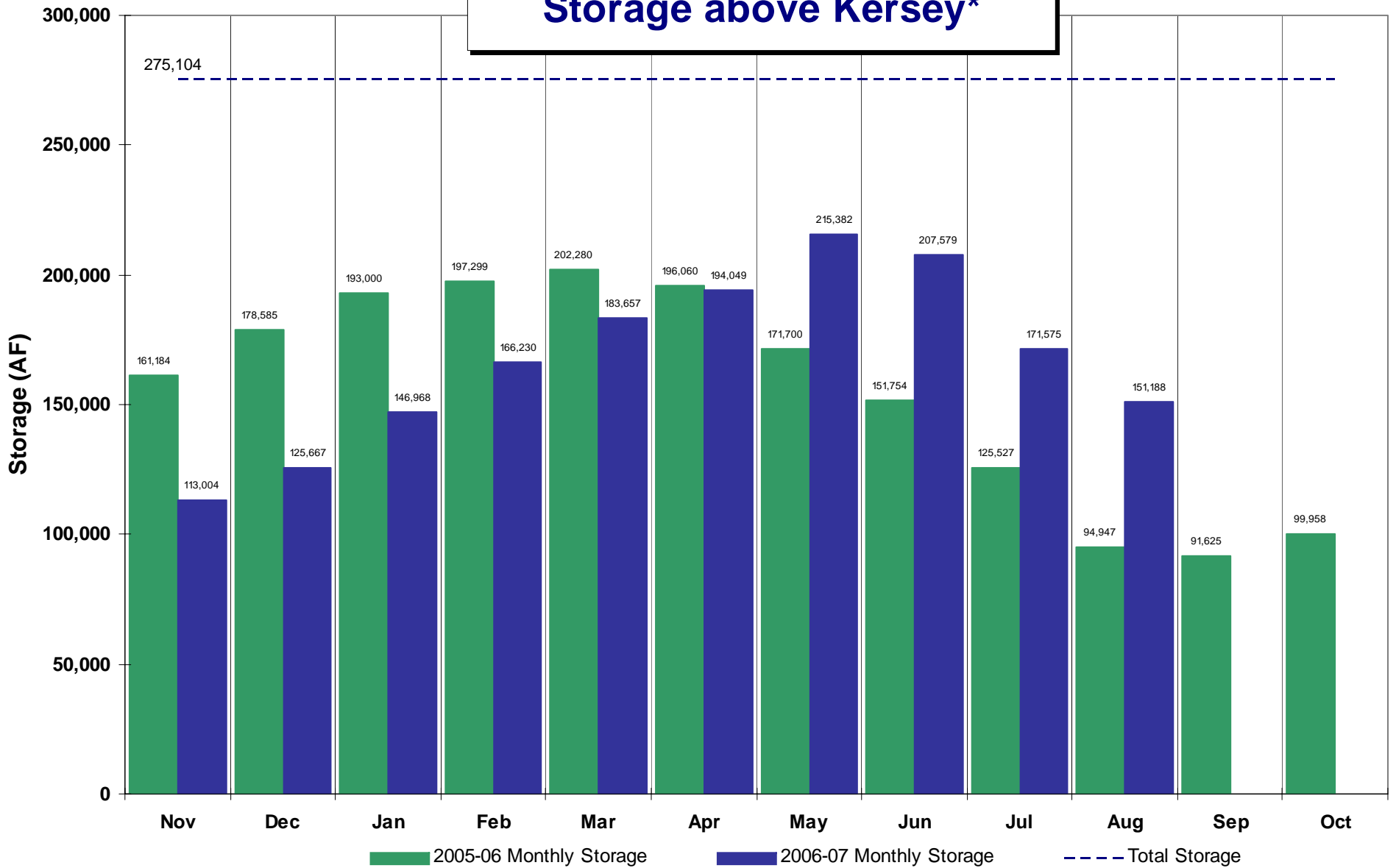
Reservoir Storage above Kersey

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

A wide-angle photograph of a reservoir. The water is calm and reflects the clear blue sky. In the foreground, a large pile of grey rocks forms a shoreline, with a dirt path leading away from the water. In the background, a long, low dam or embankment made of rocks stretches across the horizon. The sky is bright blue with a few wispy clouds.

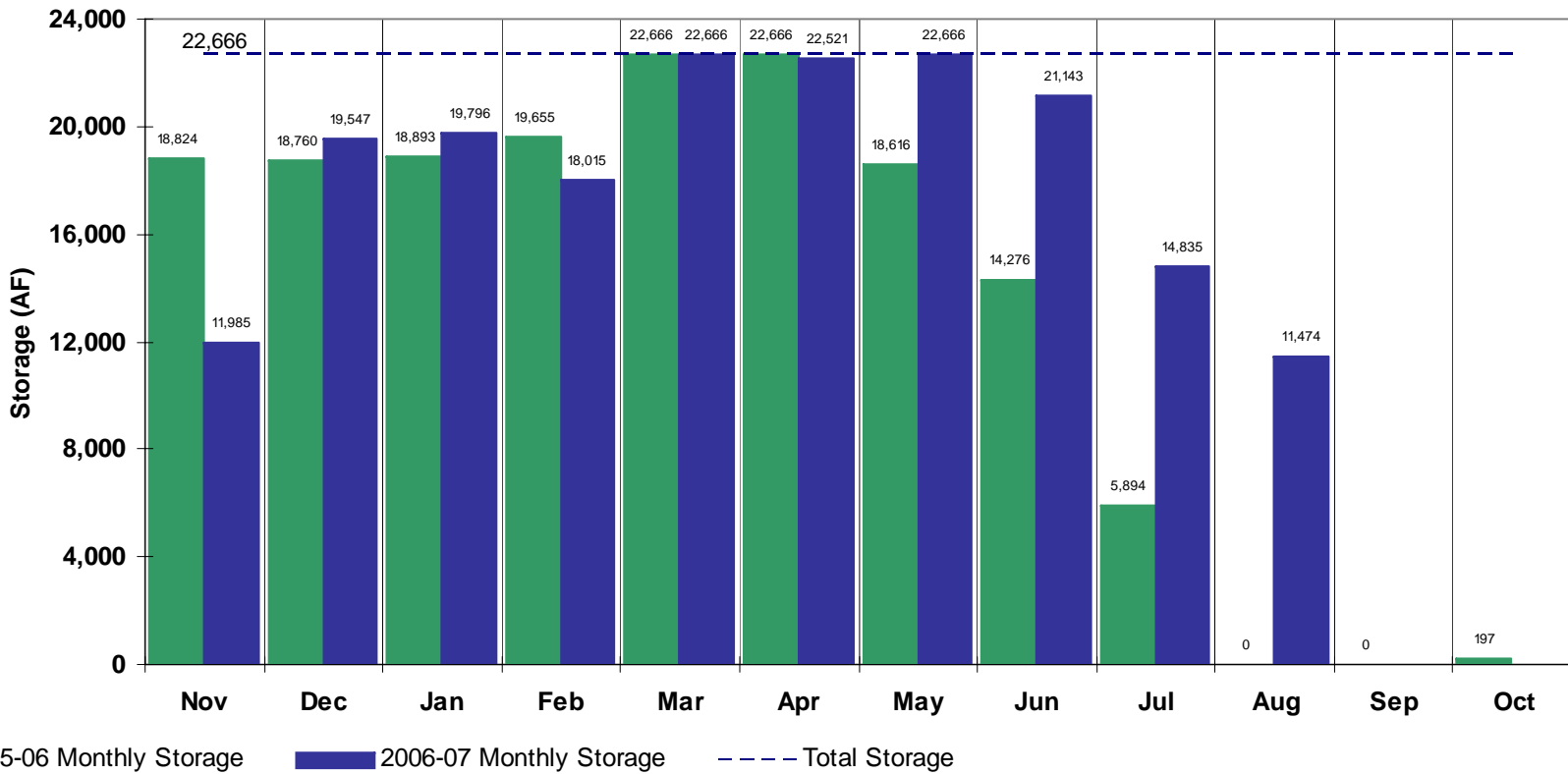
Individual Reservoir Storage Follows

Lagermann Reservoir
(Photo by John Batka)

08.09.2007

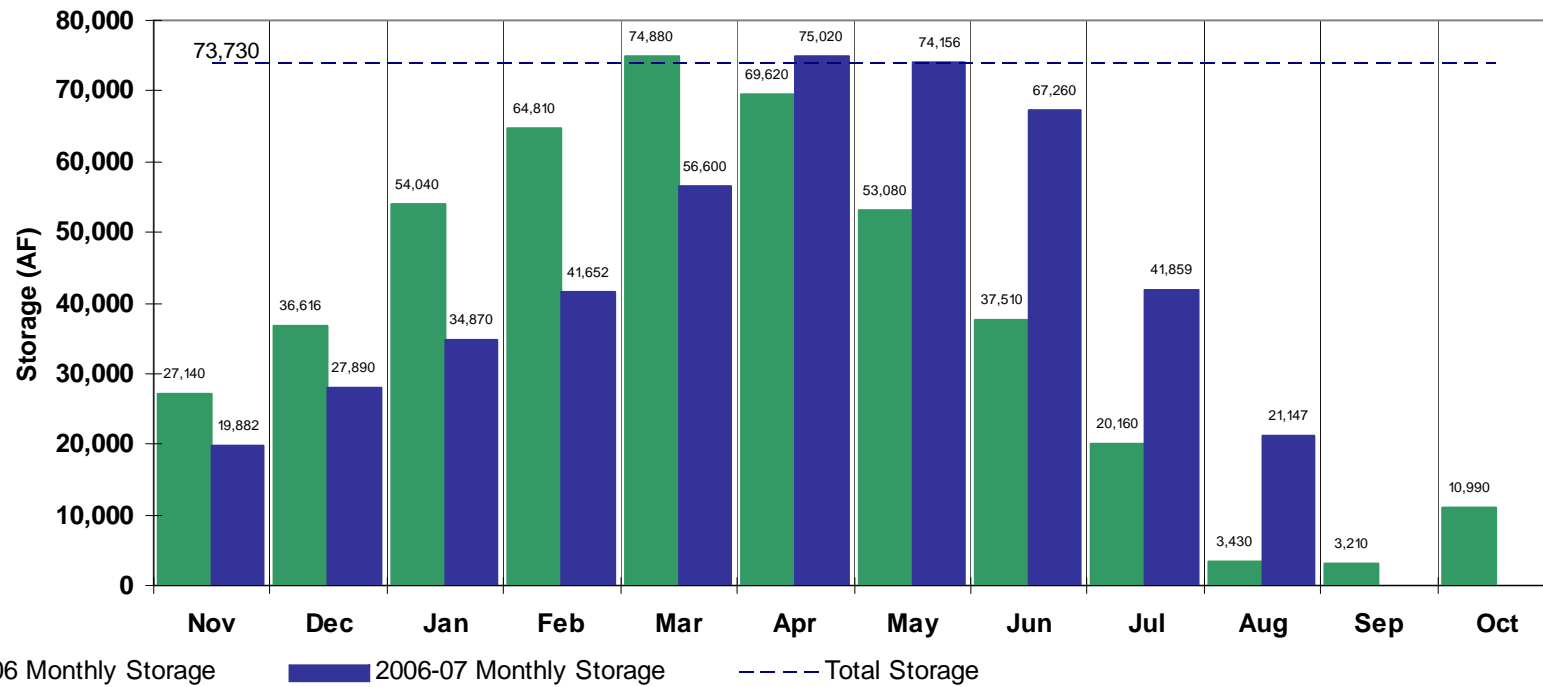
Julesburg Reservoir

(District 64 - Agricultural)



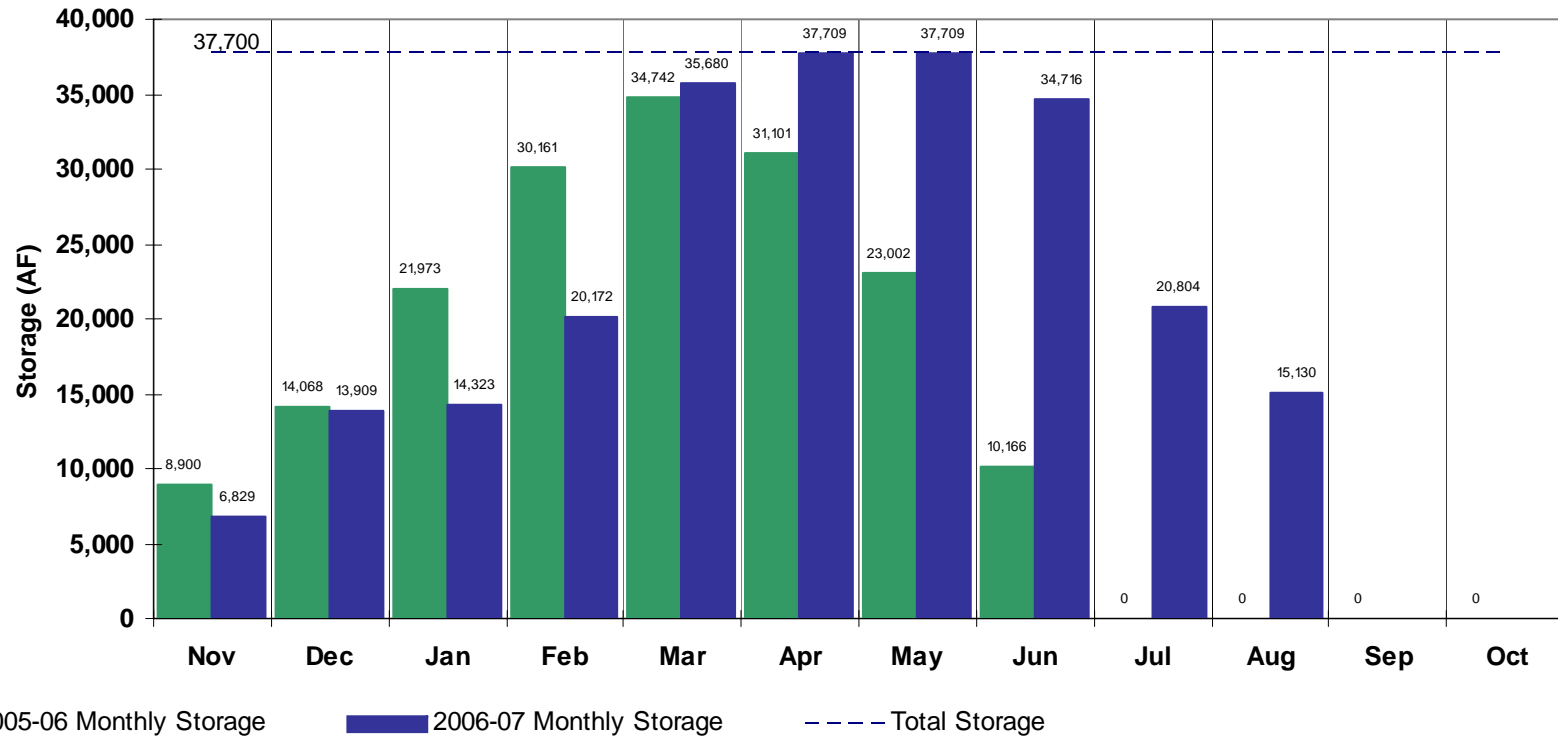
North Sterling Reservoir

(District 64- Agricultural)



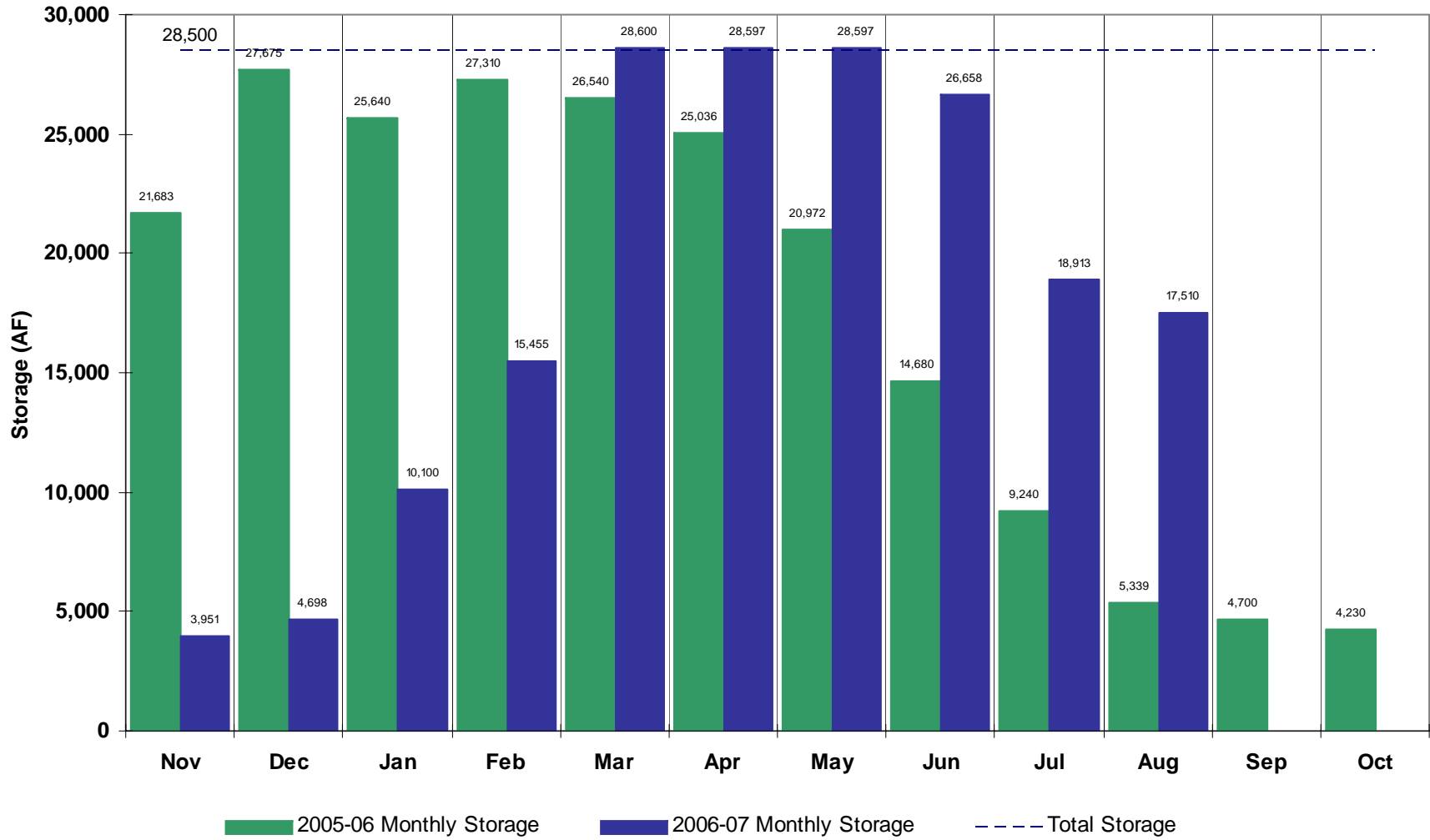
Empire Reservoir

(District 1- Agricultural)



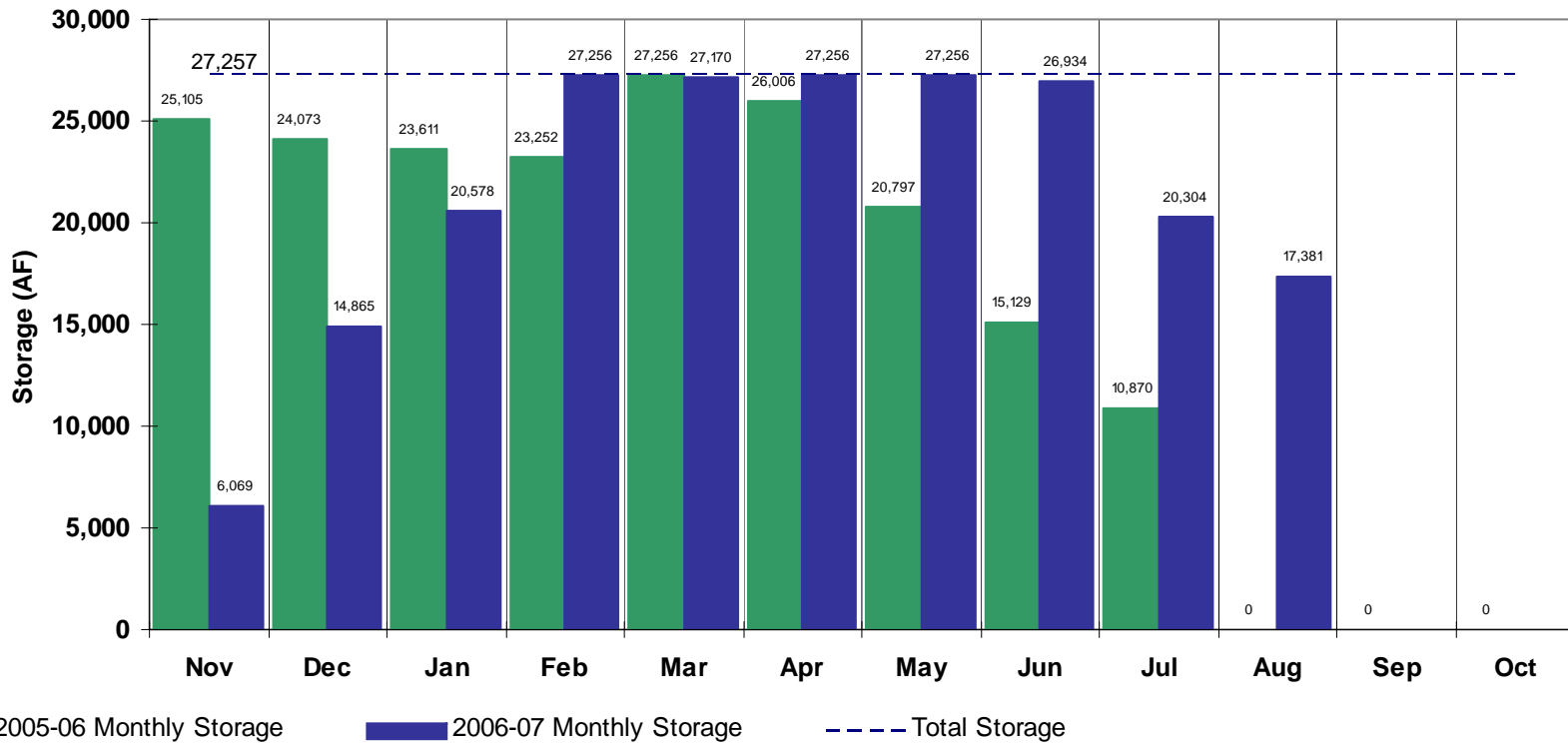
Prewitt Reservoir

(District 64- Agricultural)



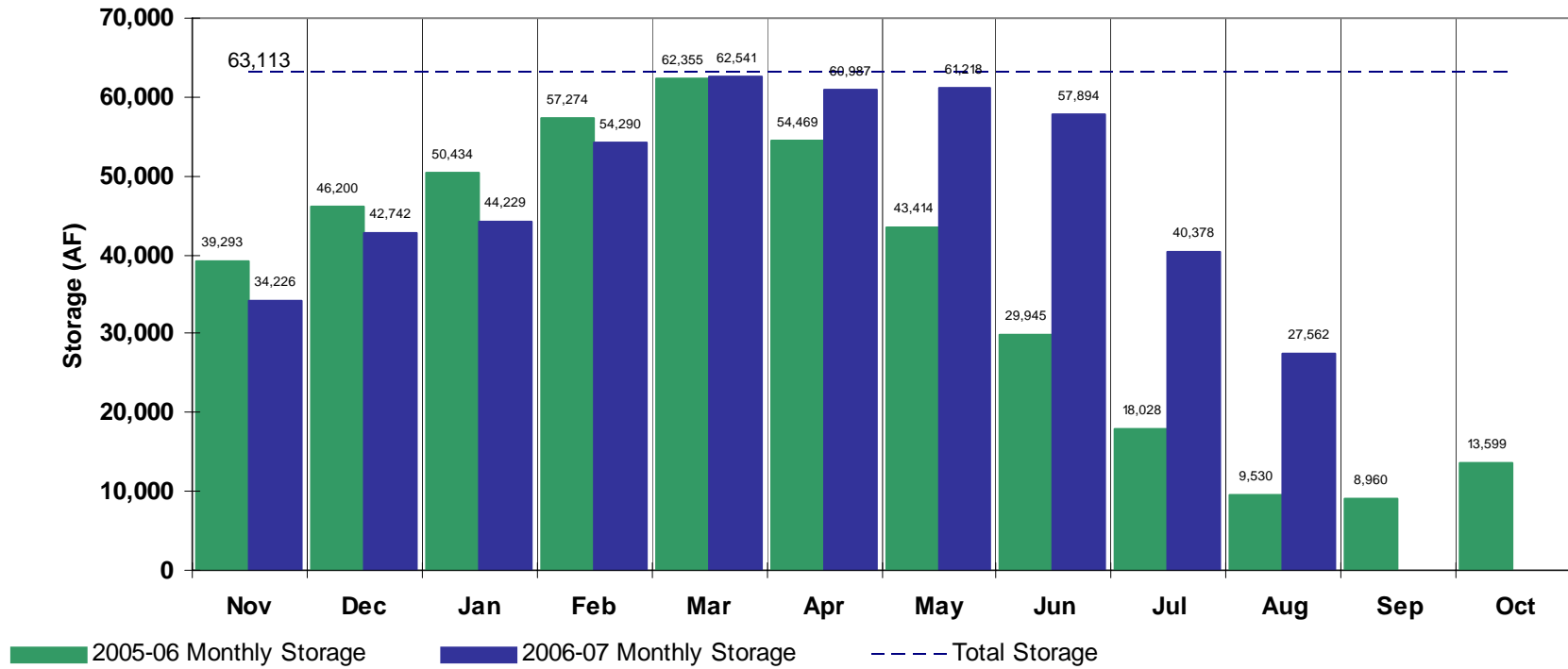
Jackson Reservoir

(District 1- Agricultural)



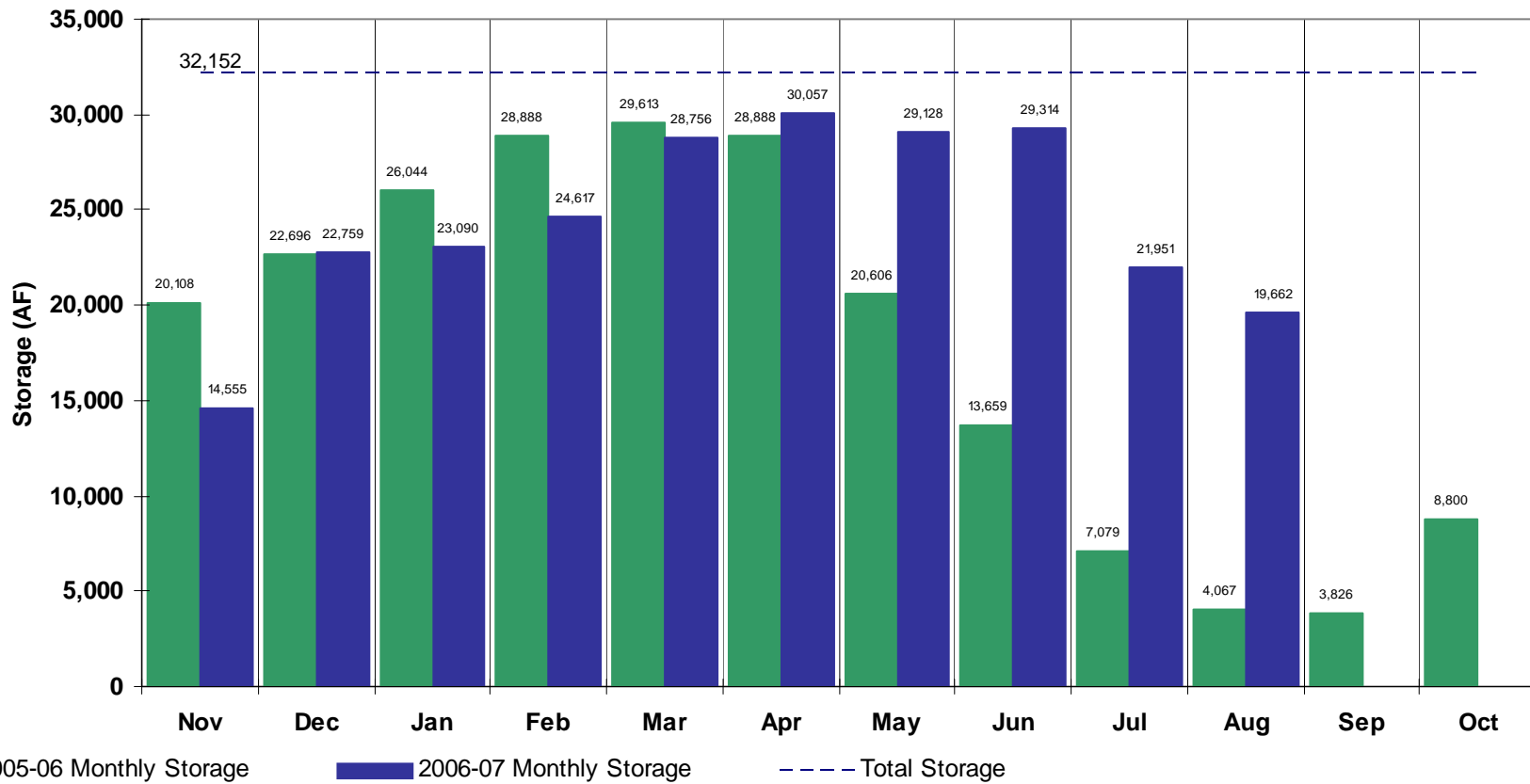
Riverside Reservoir

(District 1 - Agricultural)



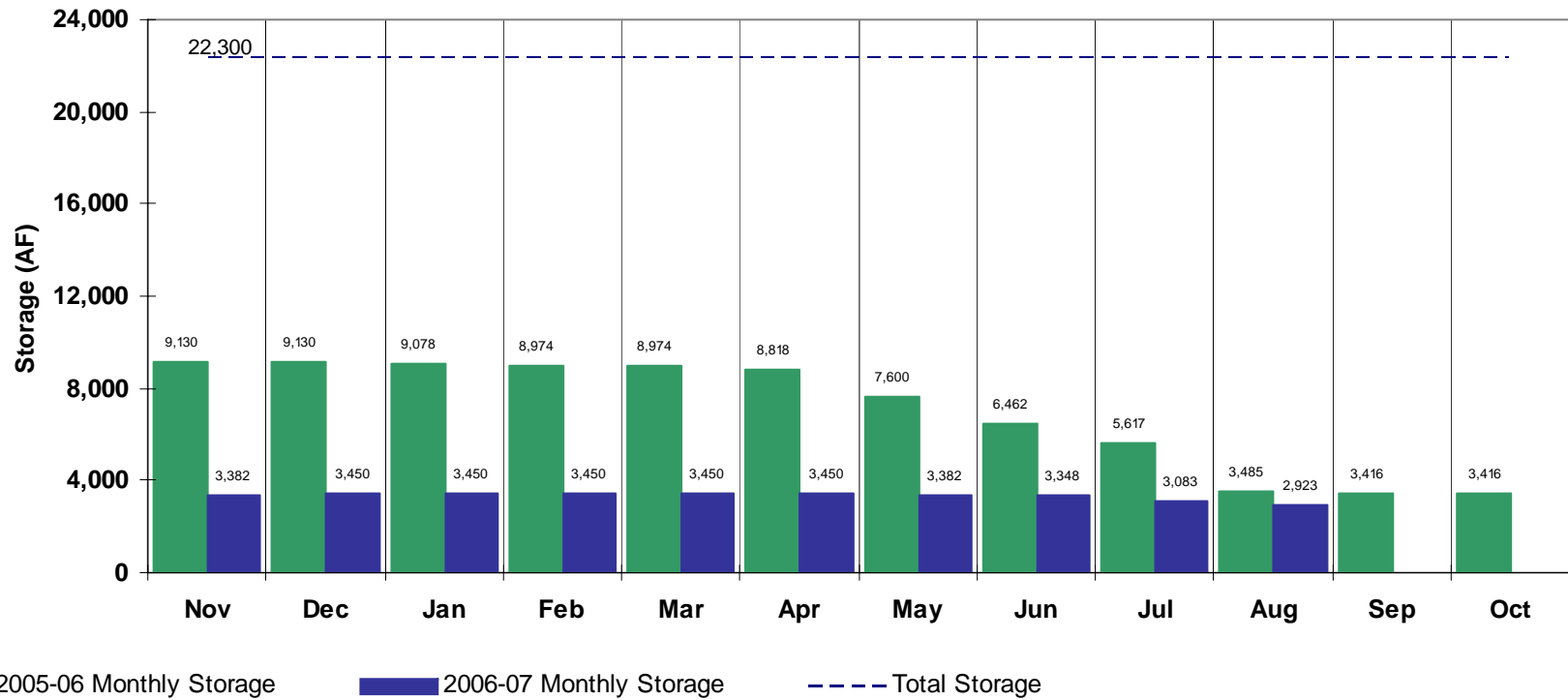
Barr Lake

(District 2 - Agricultural)



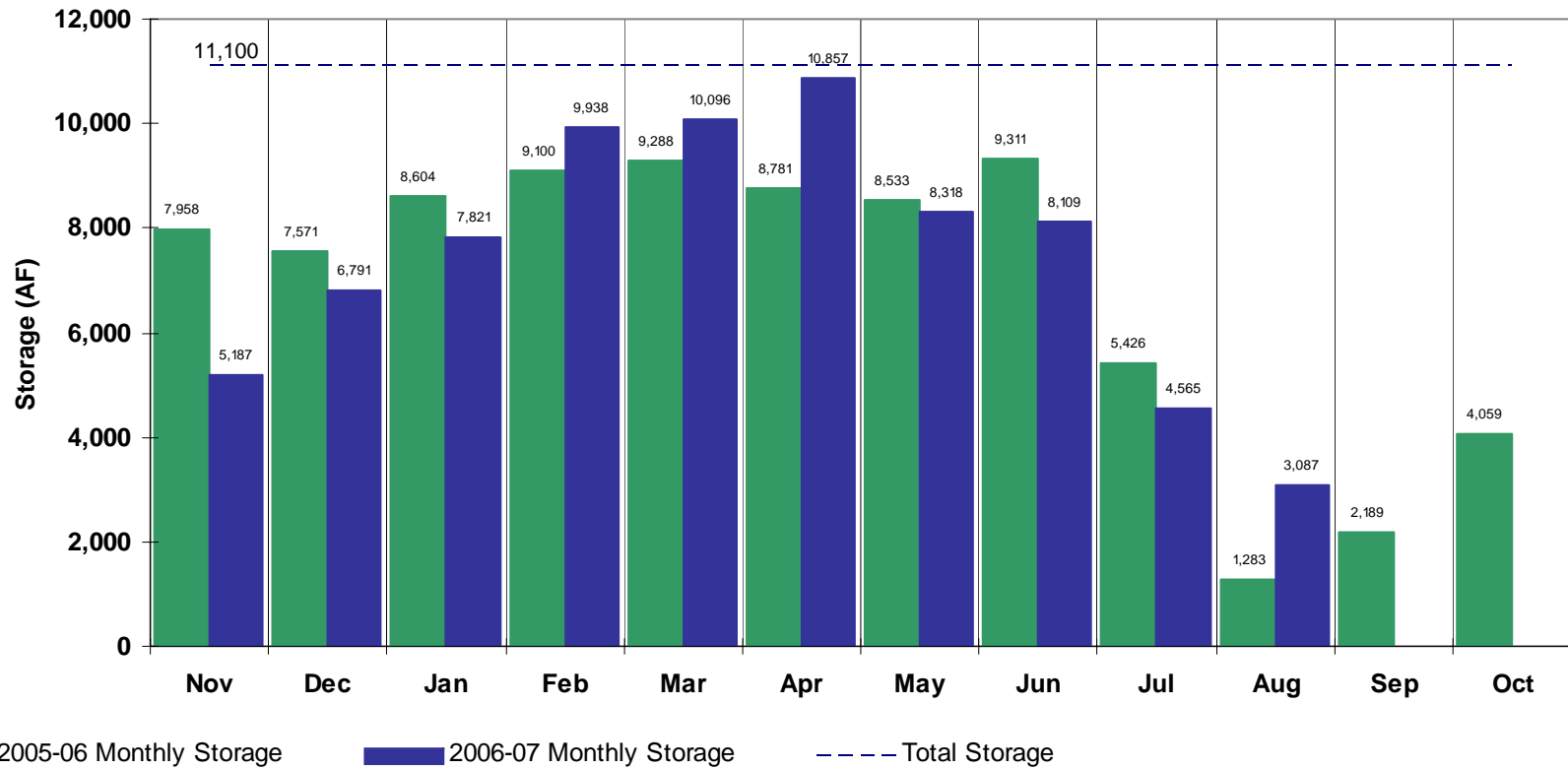
Cobb Lake

(District 3, Poudre River - Agricultural)



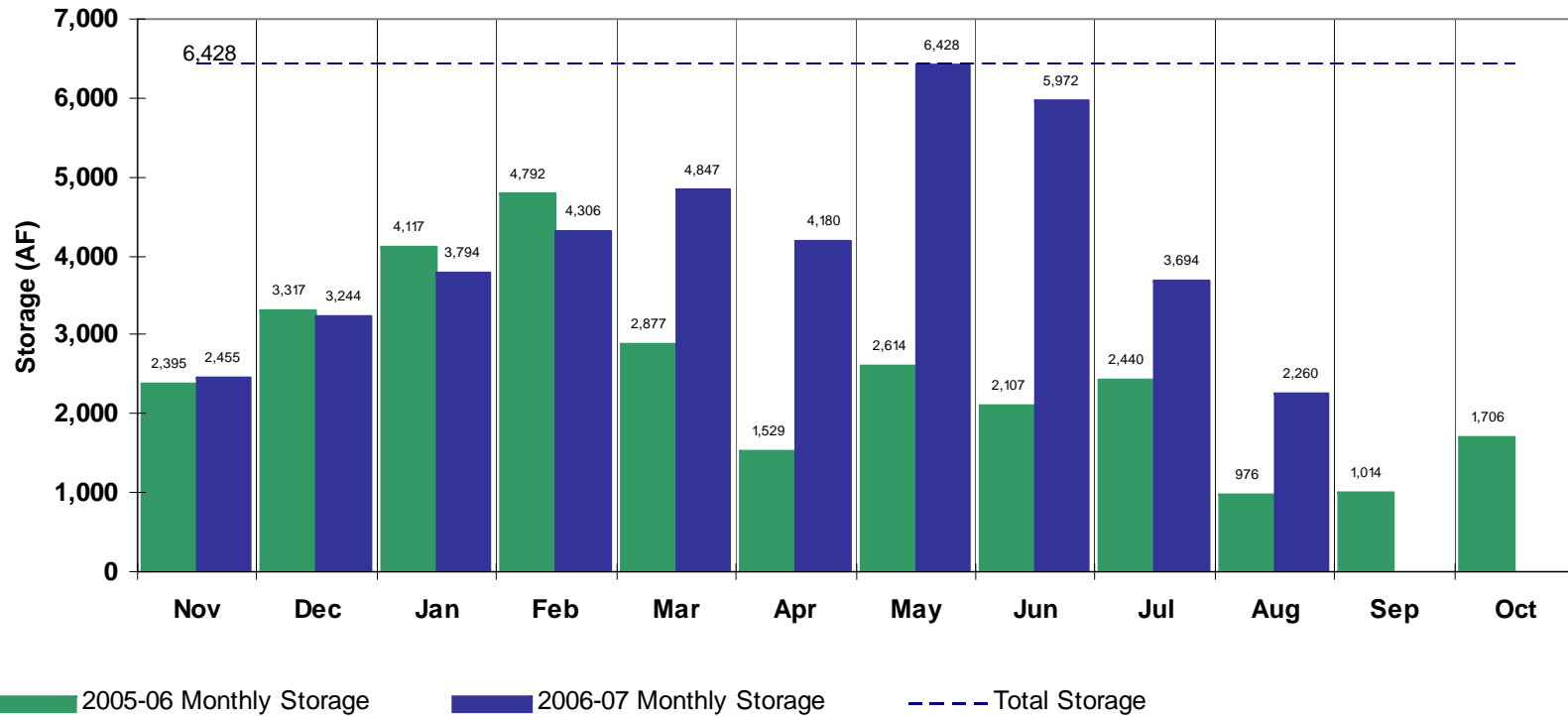
Fossil Creek Reservoir

(District 3, Poudre River - Agricultural)



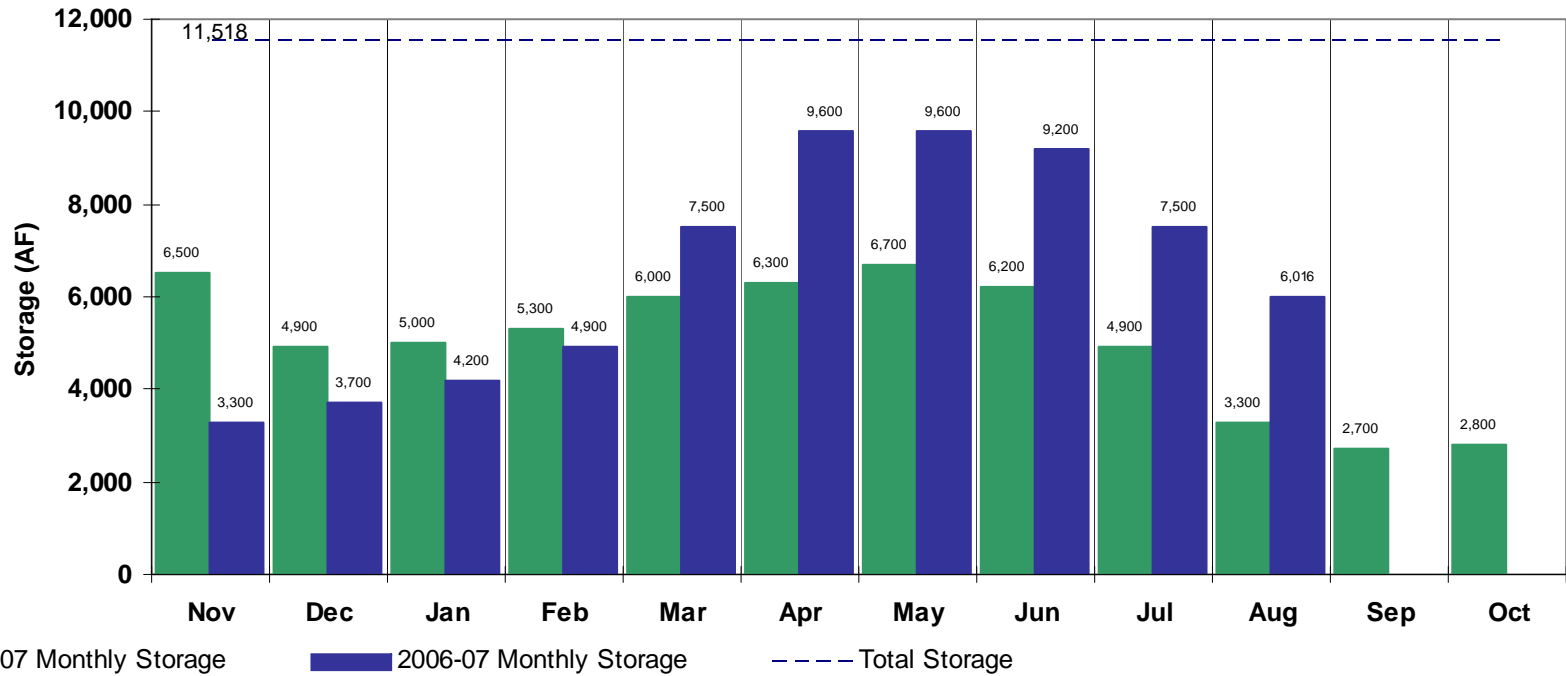
Halligan Reservoir

(District 3, Poudre River - Agricultural)



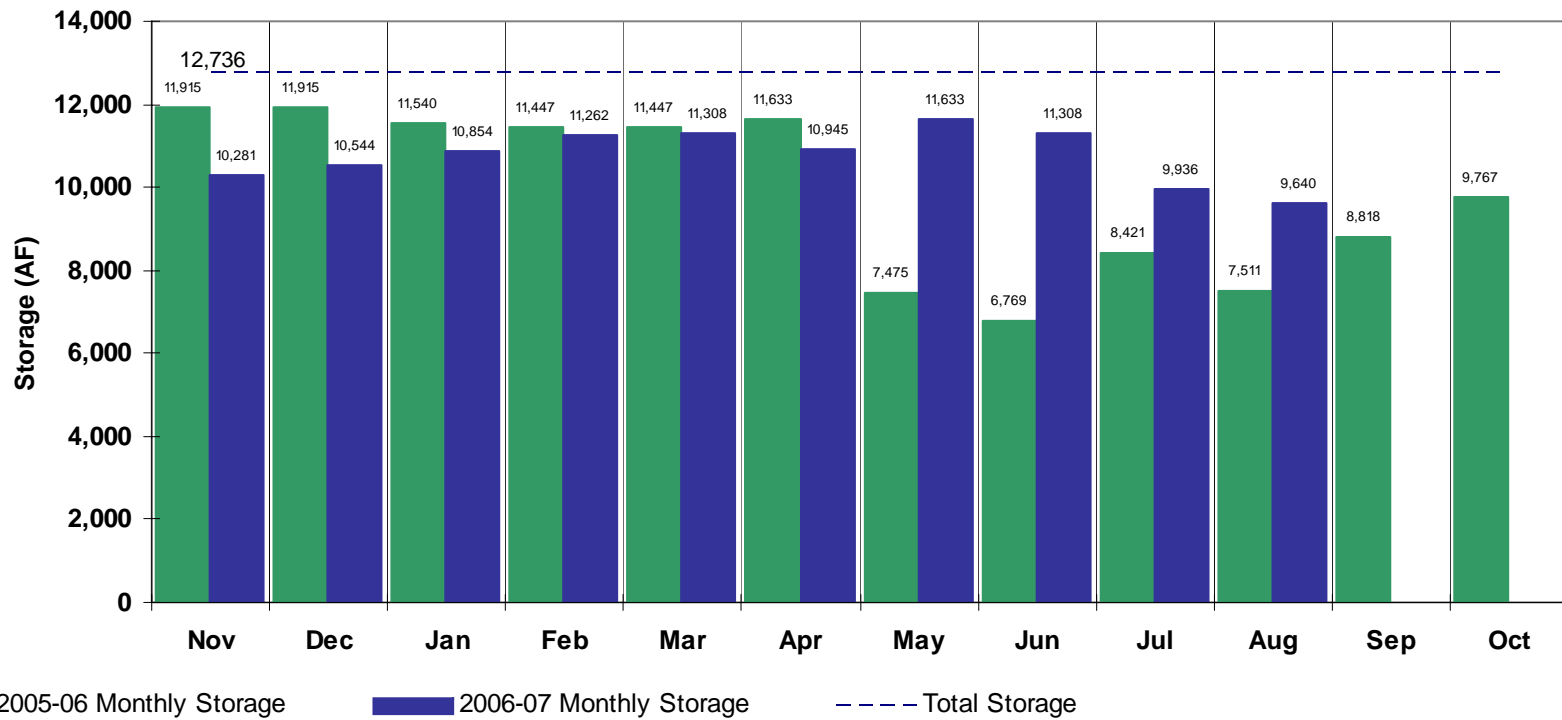
Marshall Lake

(District 6, Boulder Creek - Agricultural)



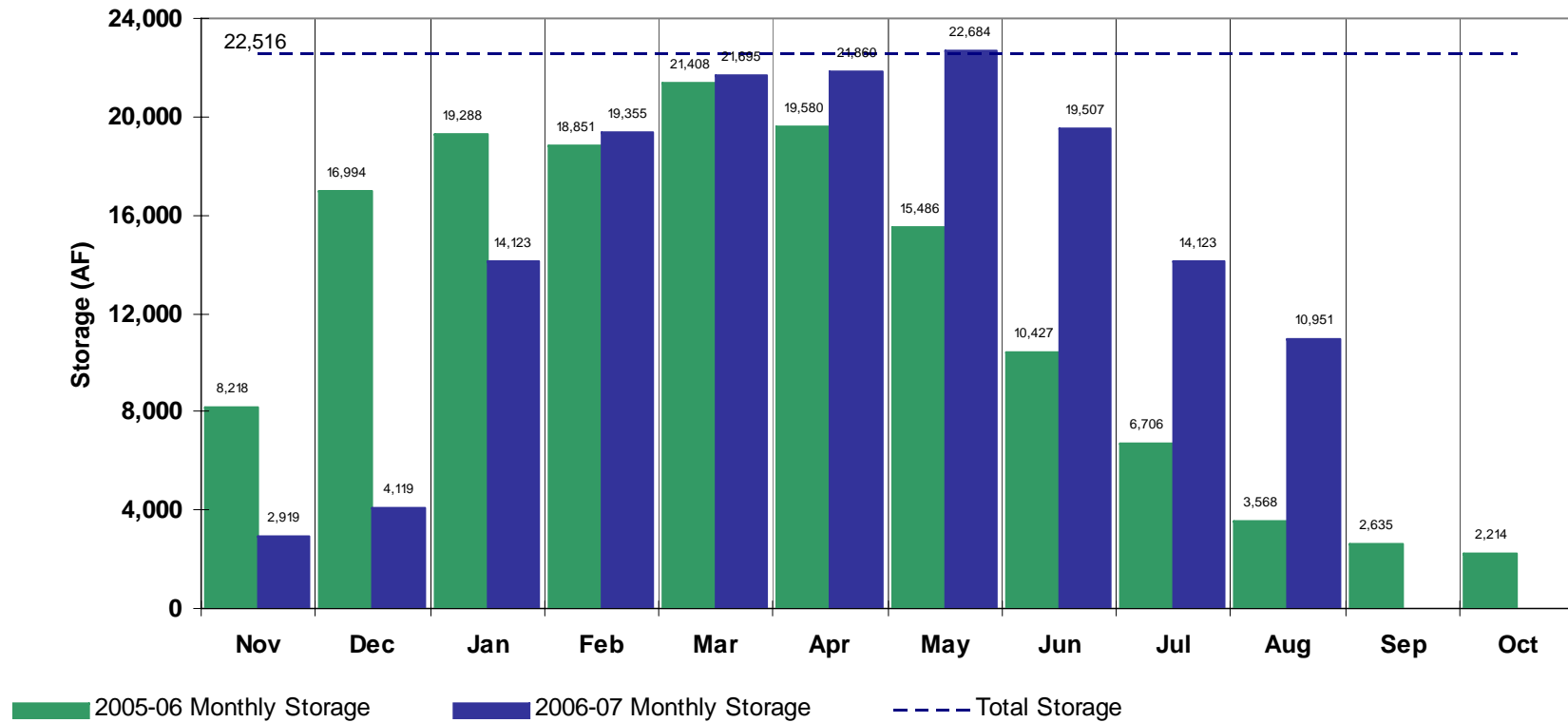
Loveland Greeley Reservoir

(District 4, Big Thompson River - Agricultural)



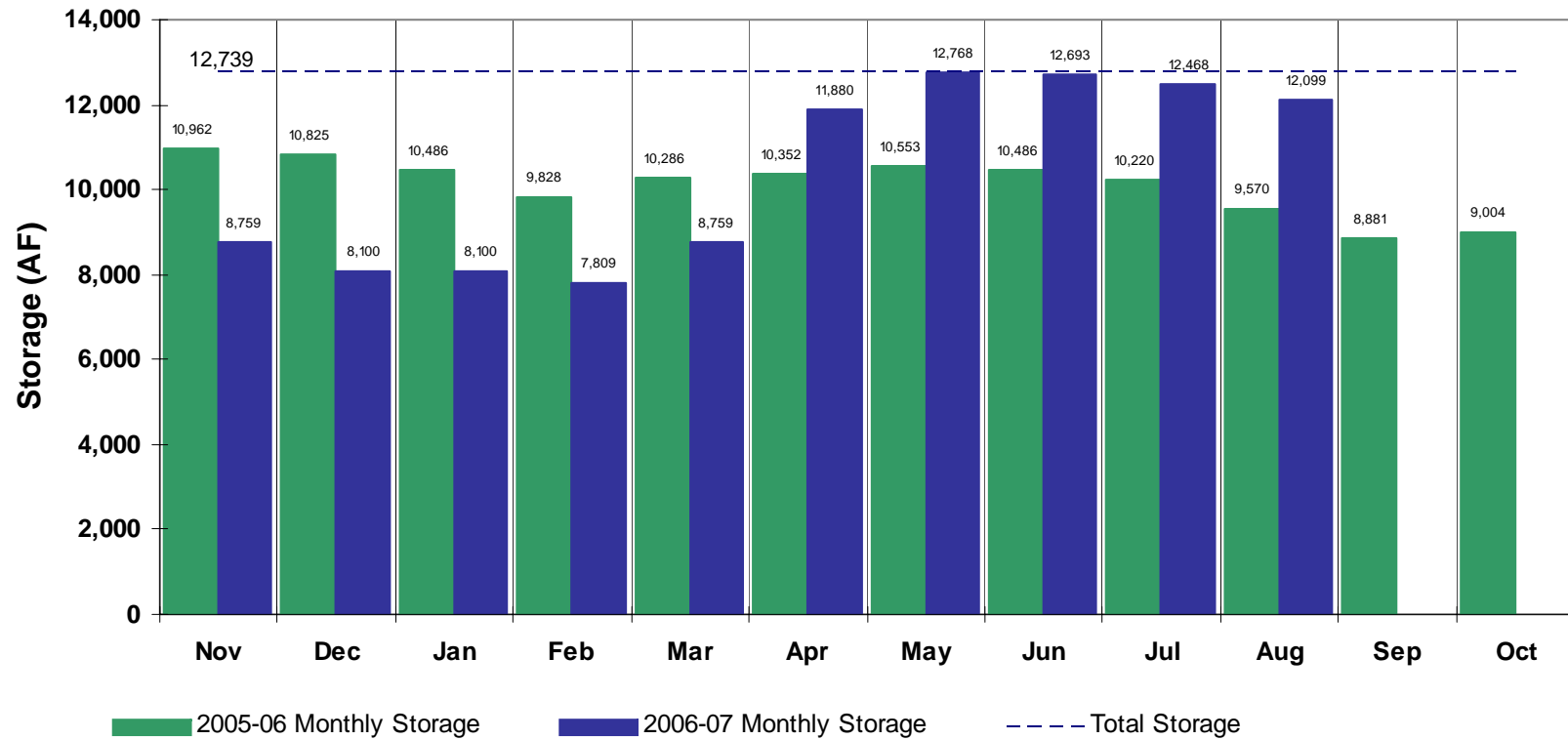
Milton Reservoir

(District 2 - Agricultural)



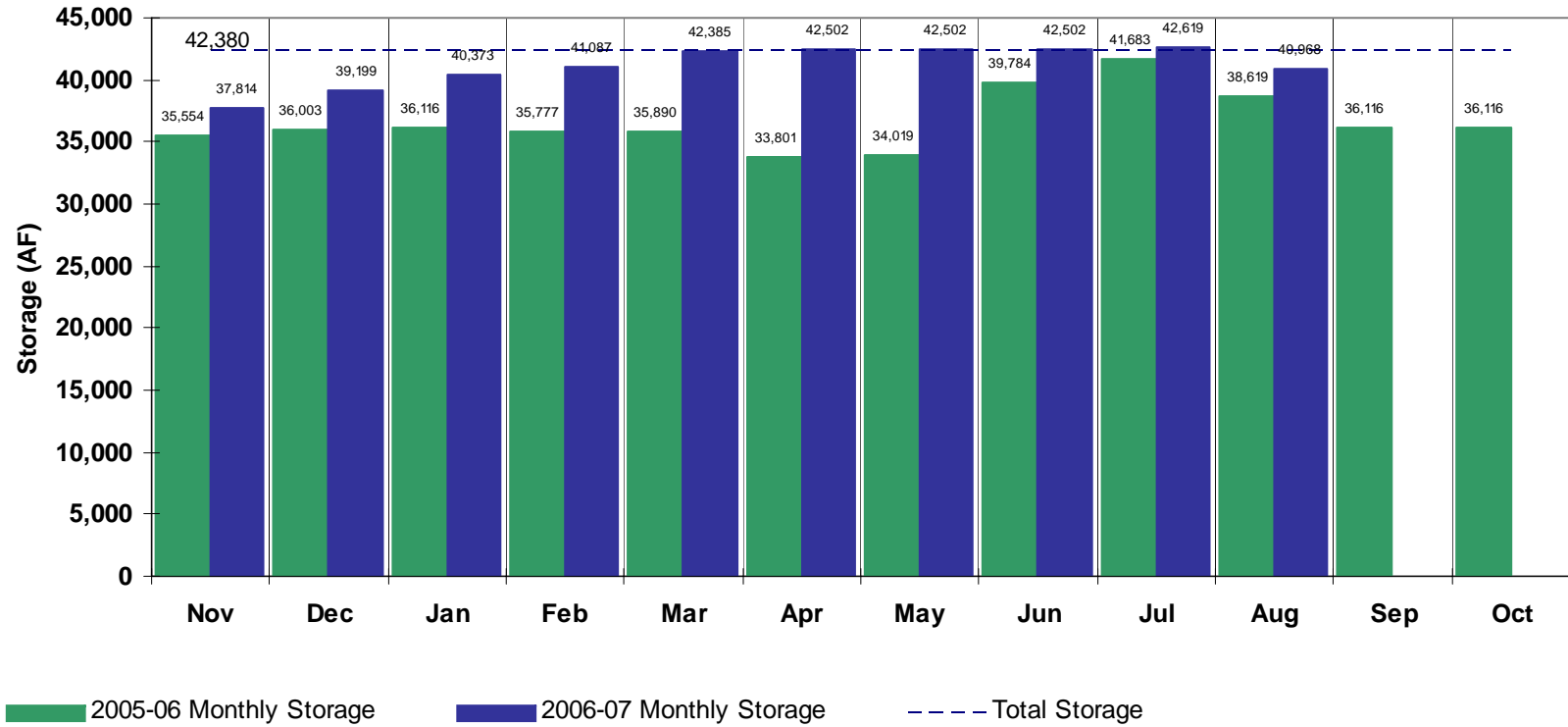
Union Reservoir

(District 5, St. Vrain Creek - Agricultural)



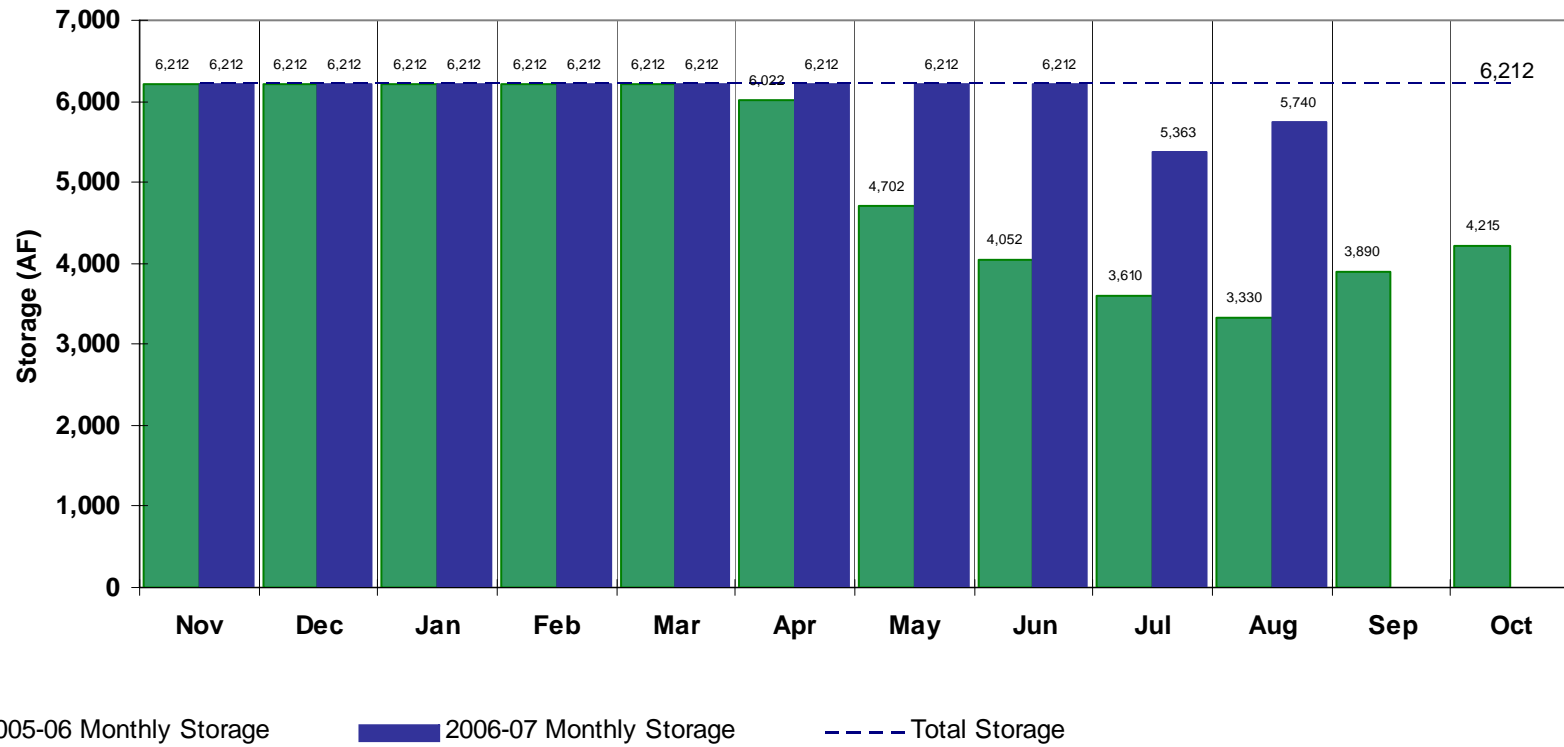
Standley Lake

(Agricultural)



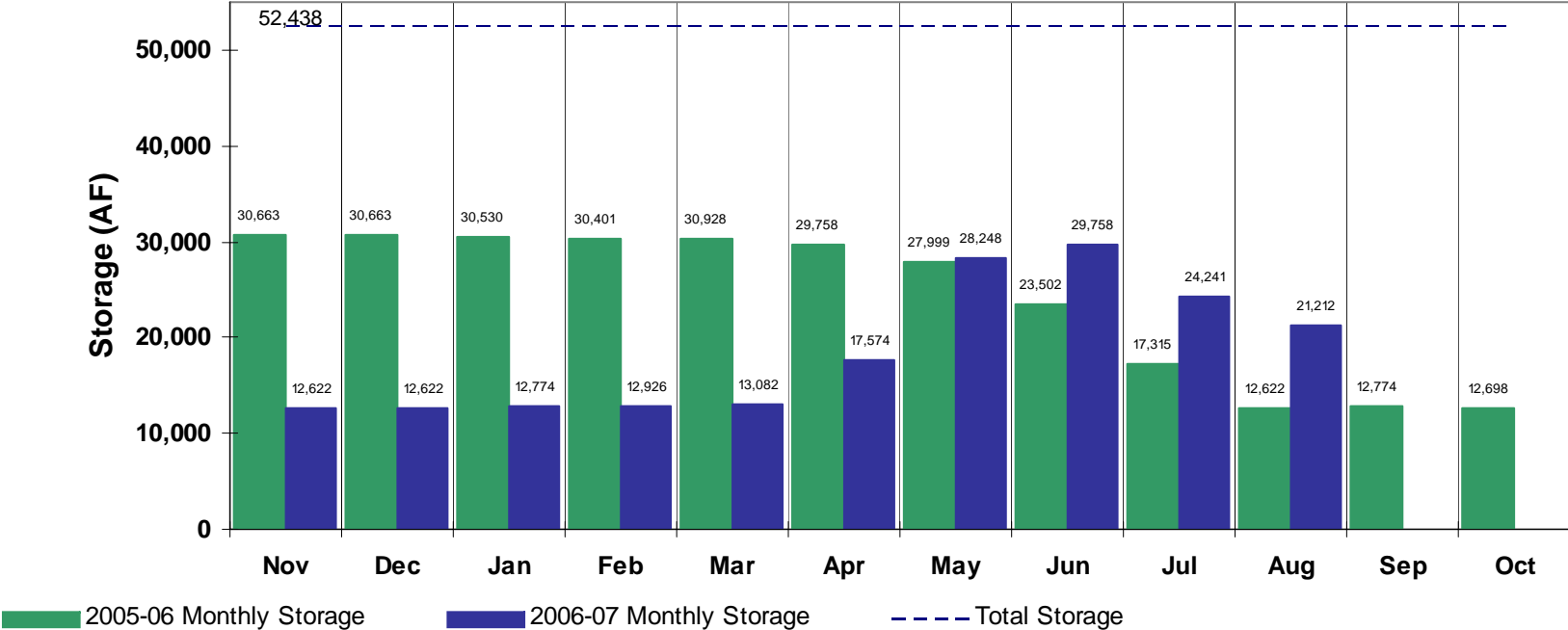
Lower Latham Reservoir

(District 2 - Agricultural)



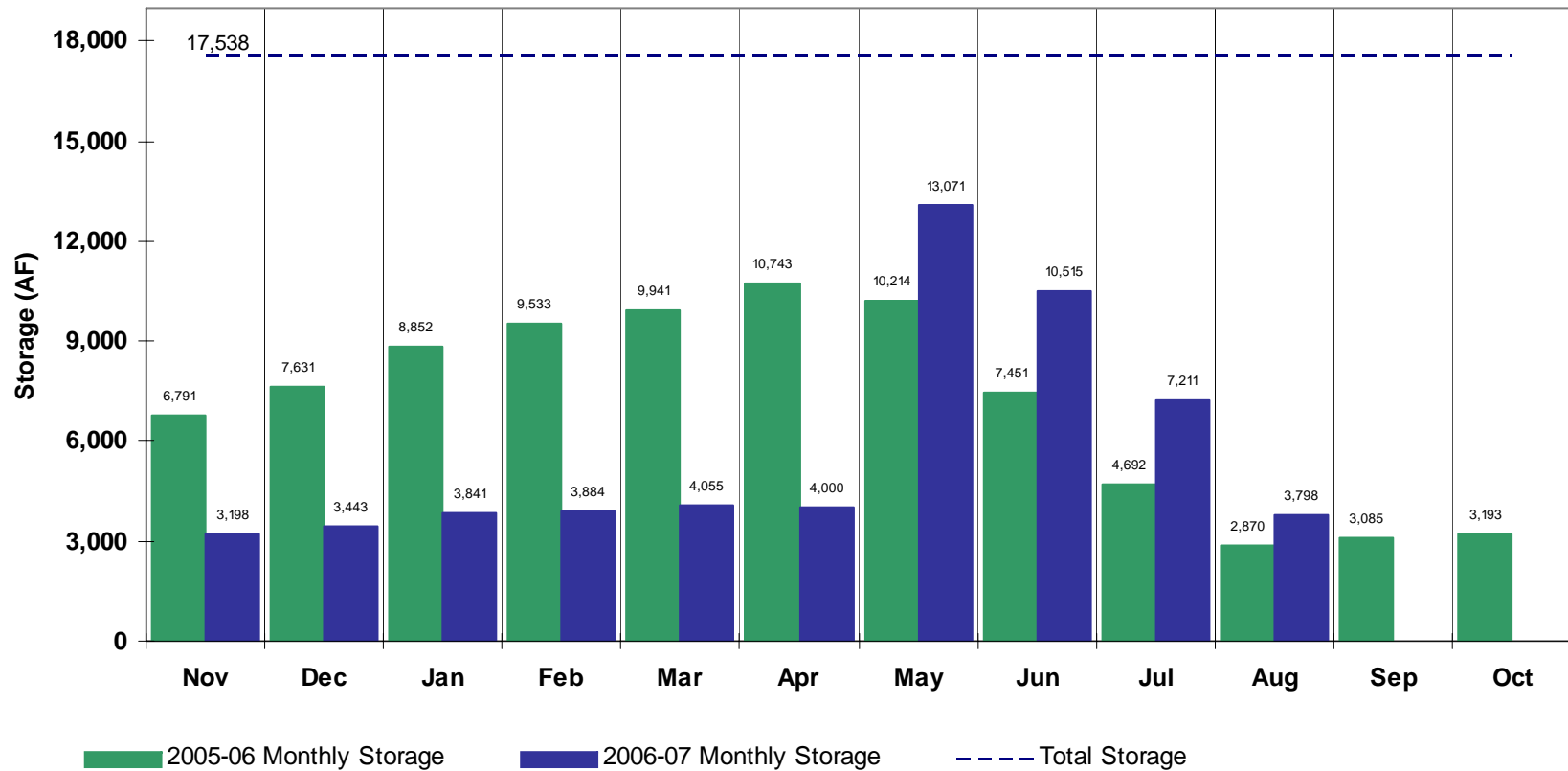
Boyd Lake

(District 4, Big Thompson River - Agricultural)



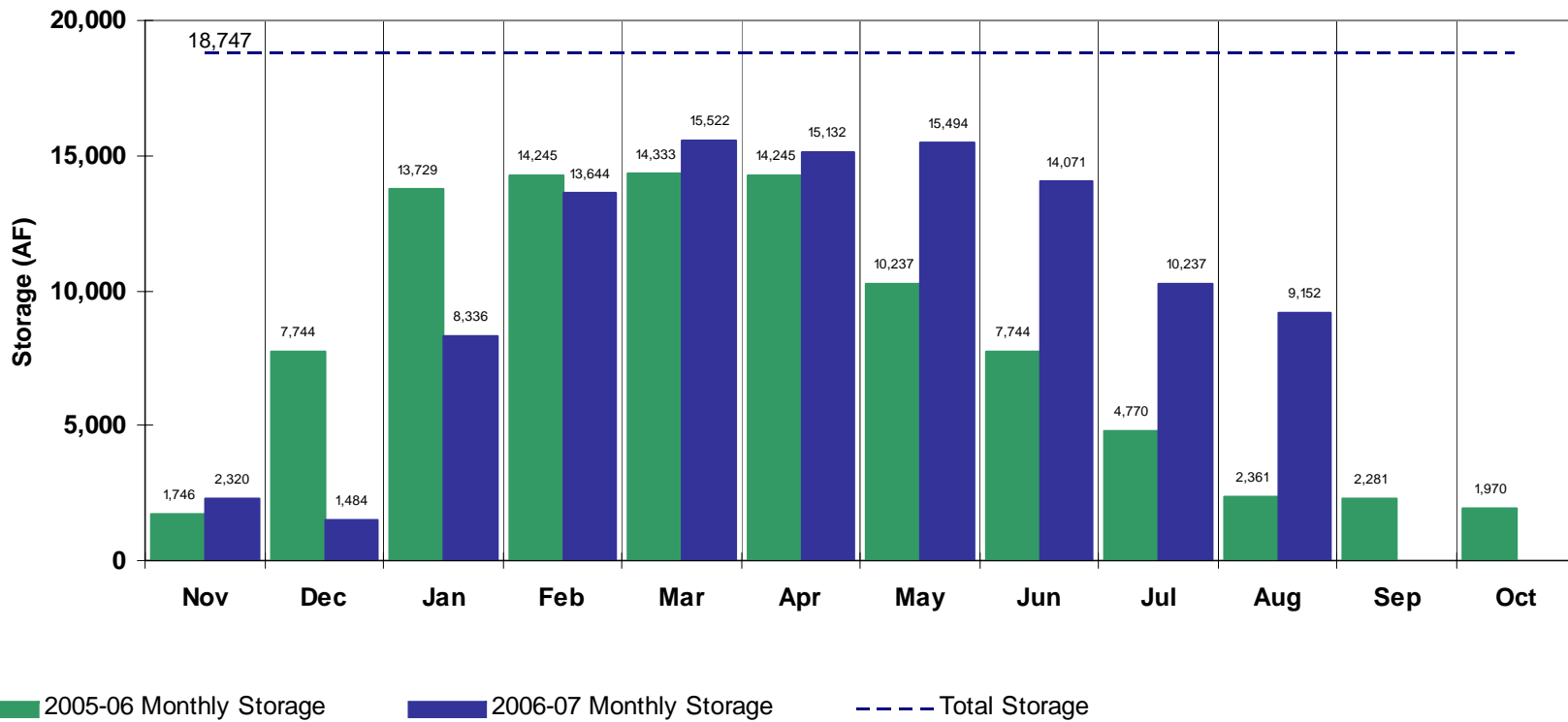
Windsor Reservoir

(District 3, Poudre River - Agricultural)



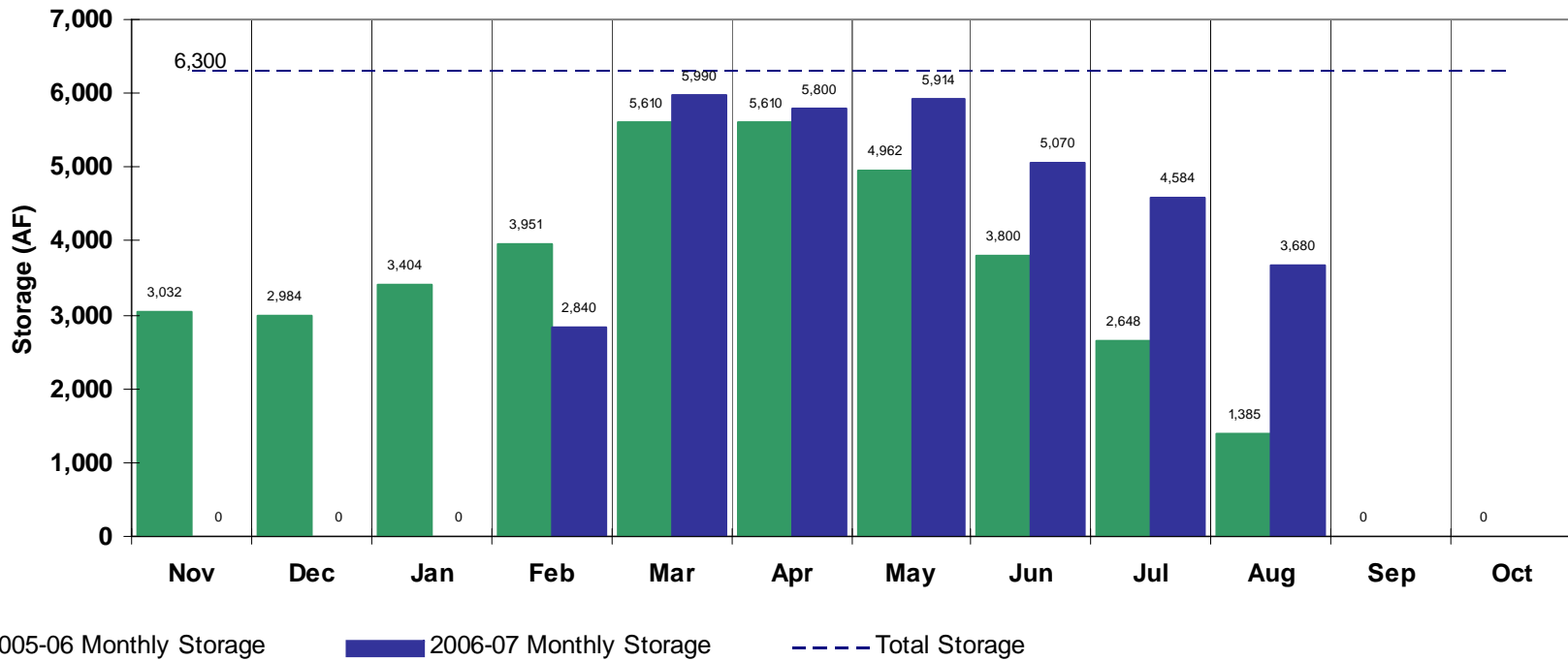
Horse Creek Reservoir

(District 1 - Agricultural)



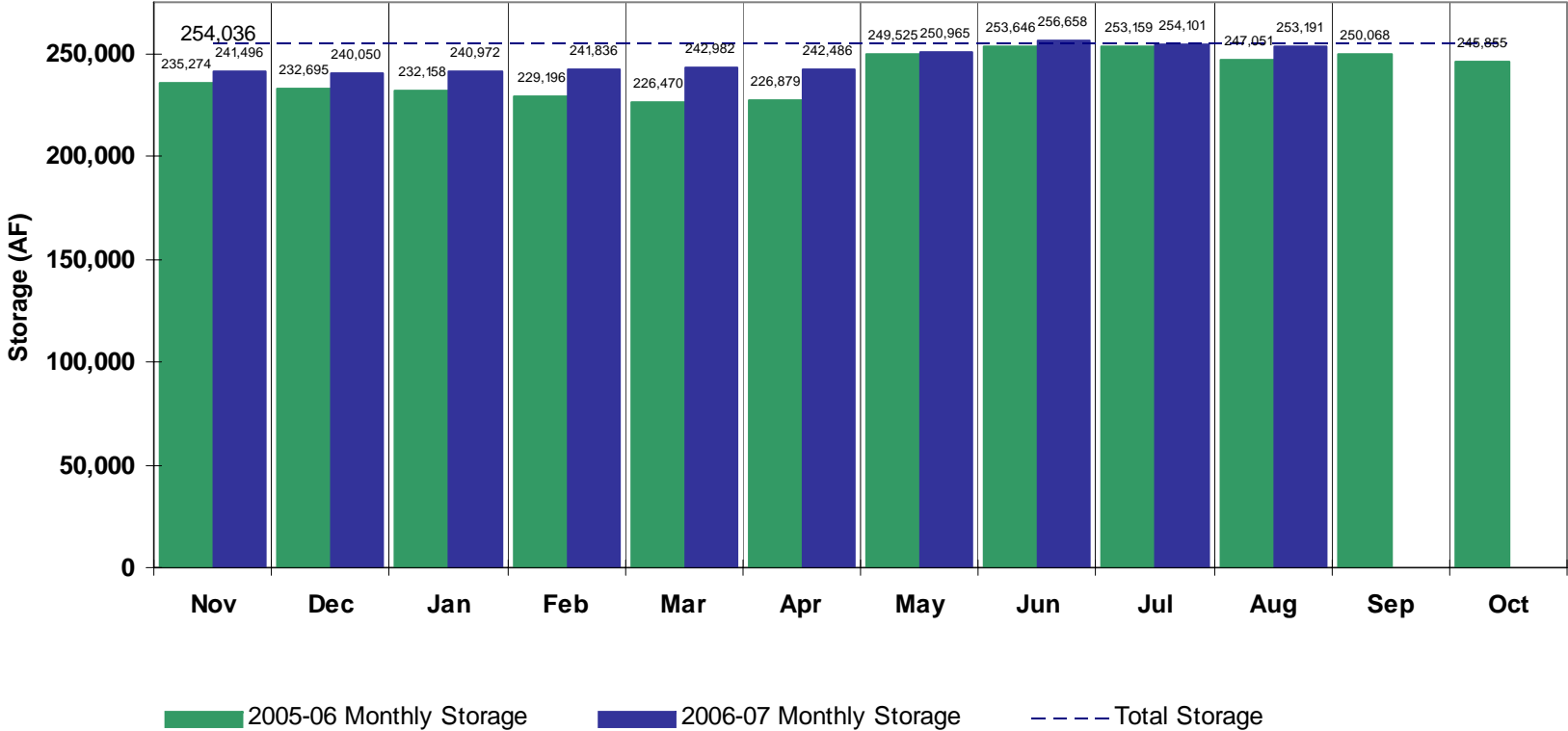
Prospect Reservoir

(District 1- Agricultural)



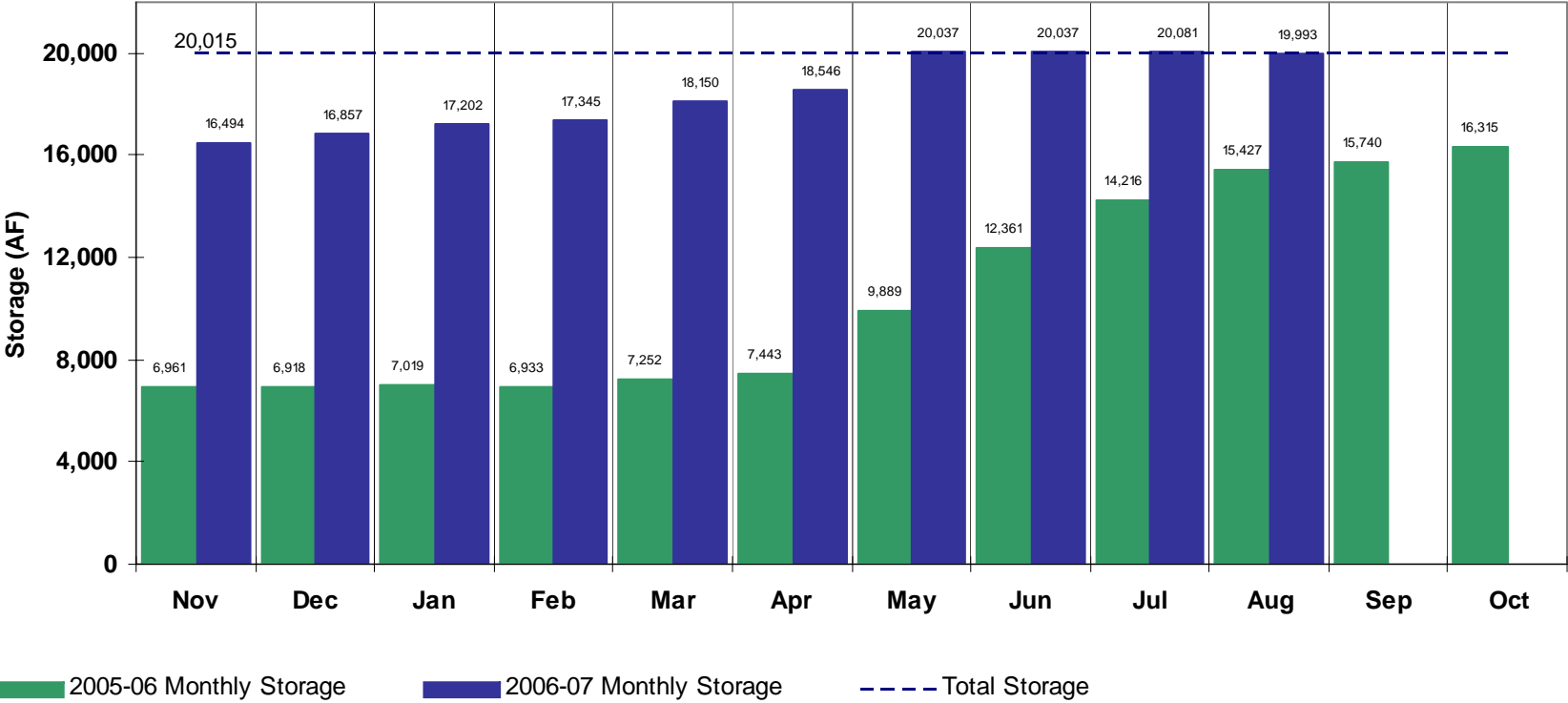
Dillon Reservoir

(Municipal)



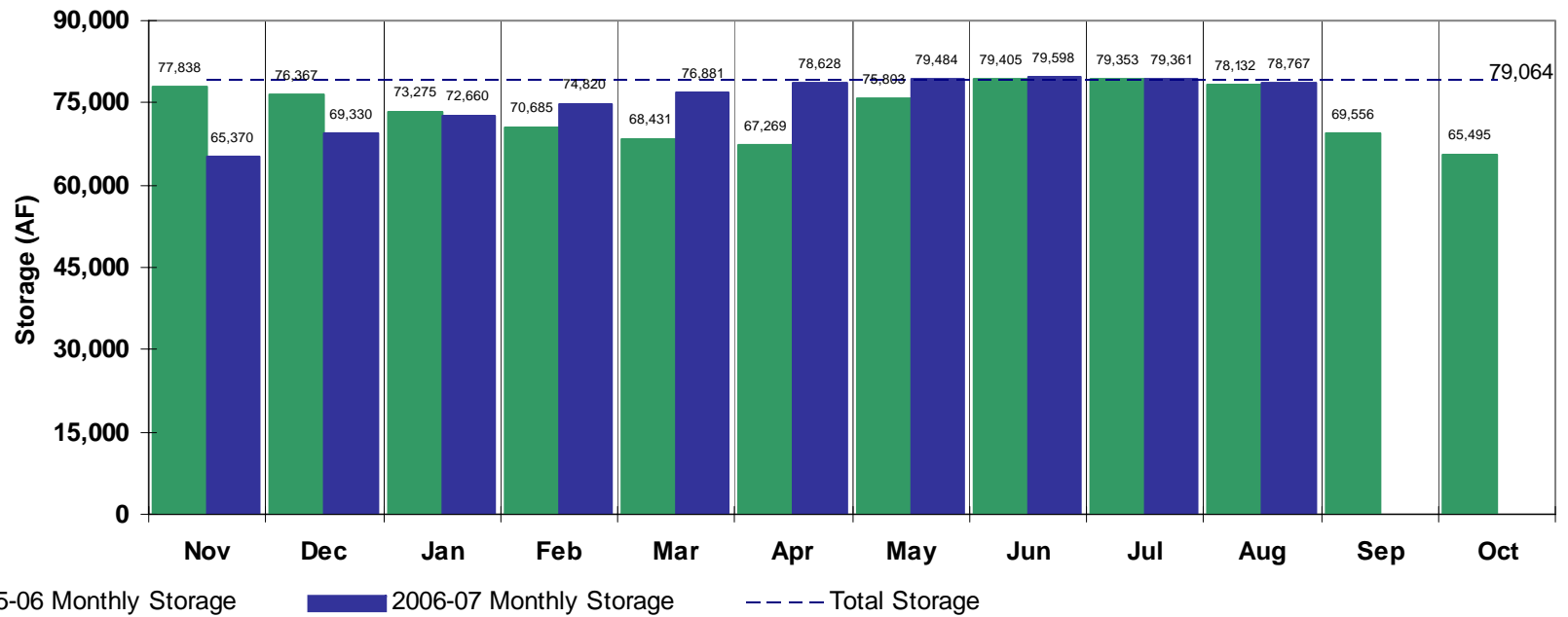
Antero Reservoir

(District 23 - Municipal)



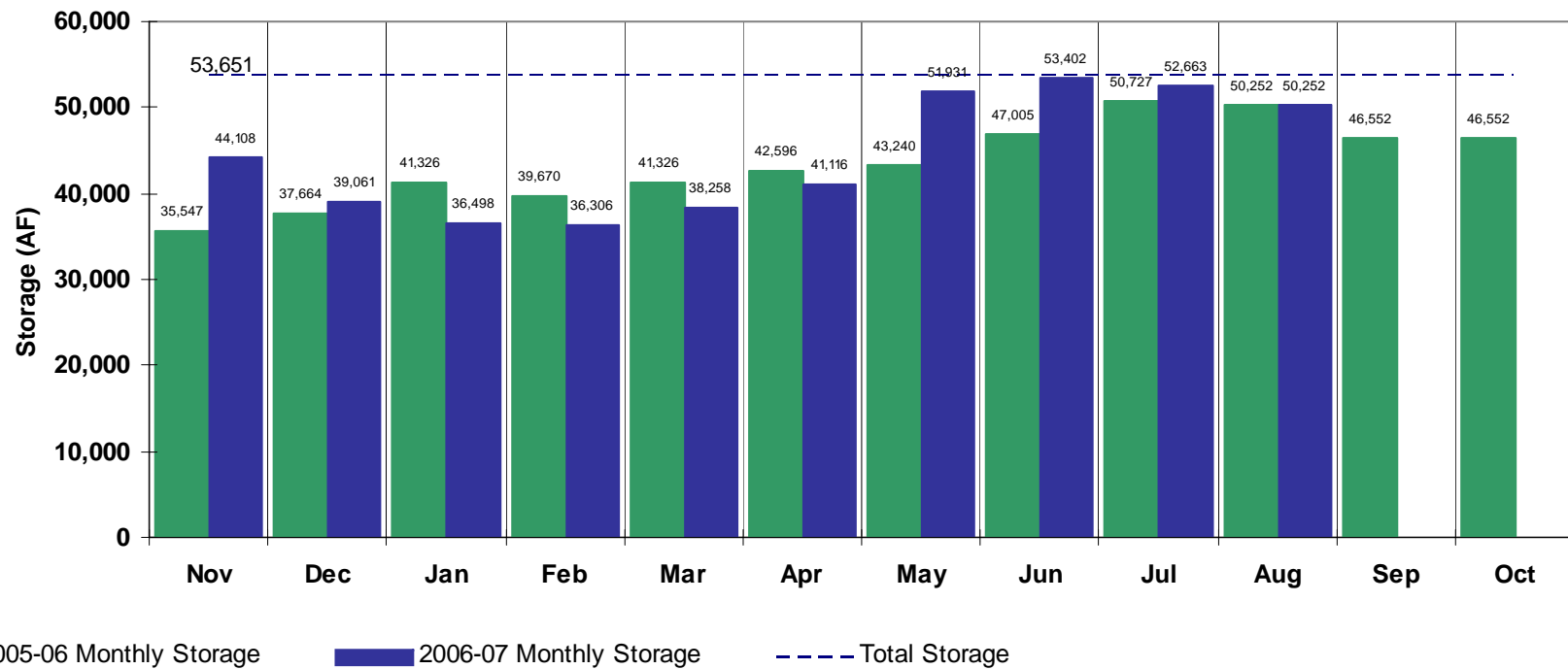
Cheesman Reservoir

(District 80 - Municipal)



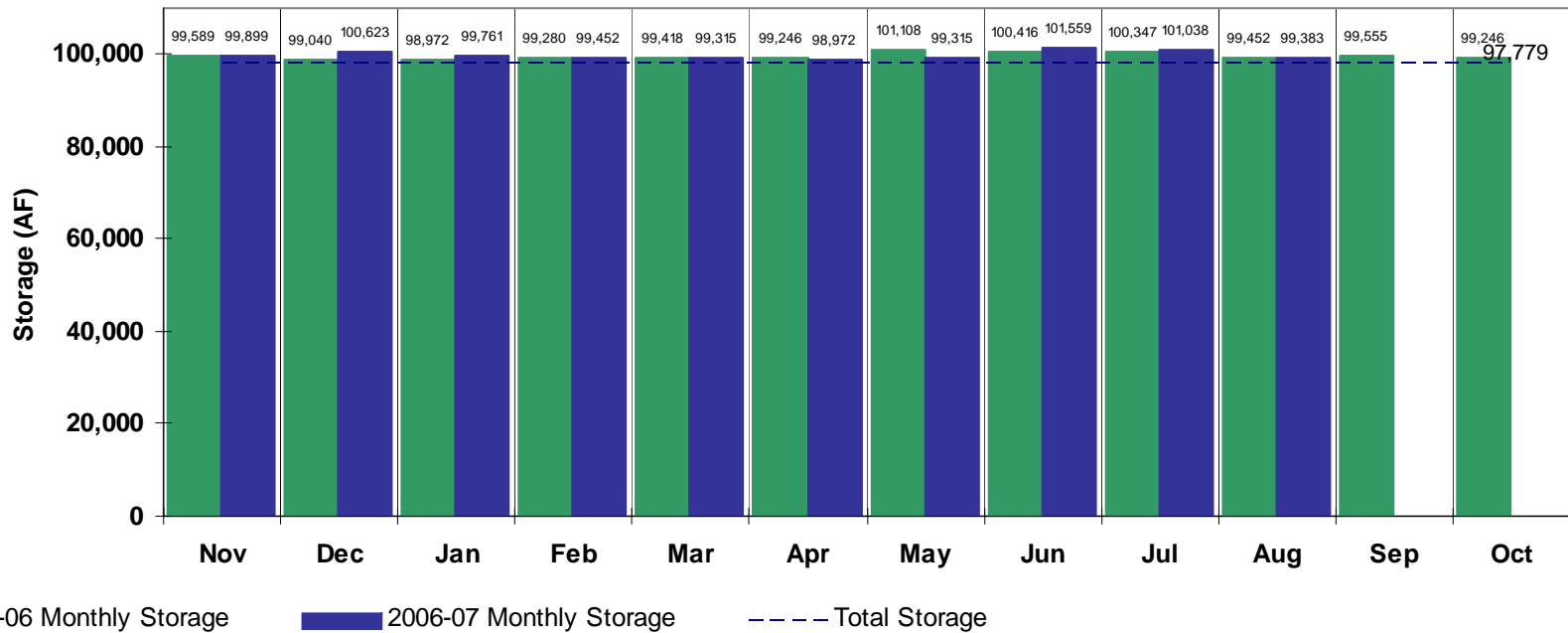
Spinney Mountain Reservoir

(District 23 - Municipal)

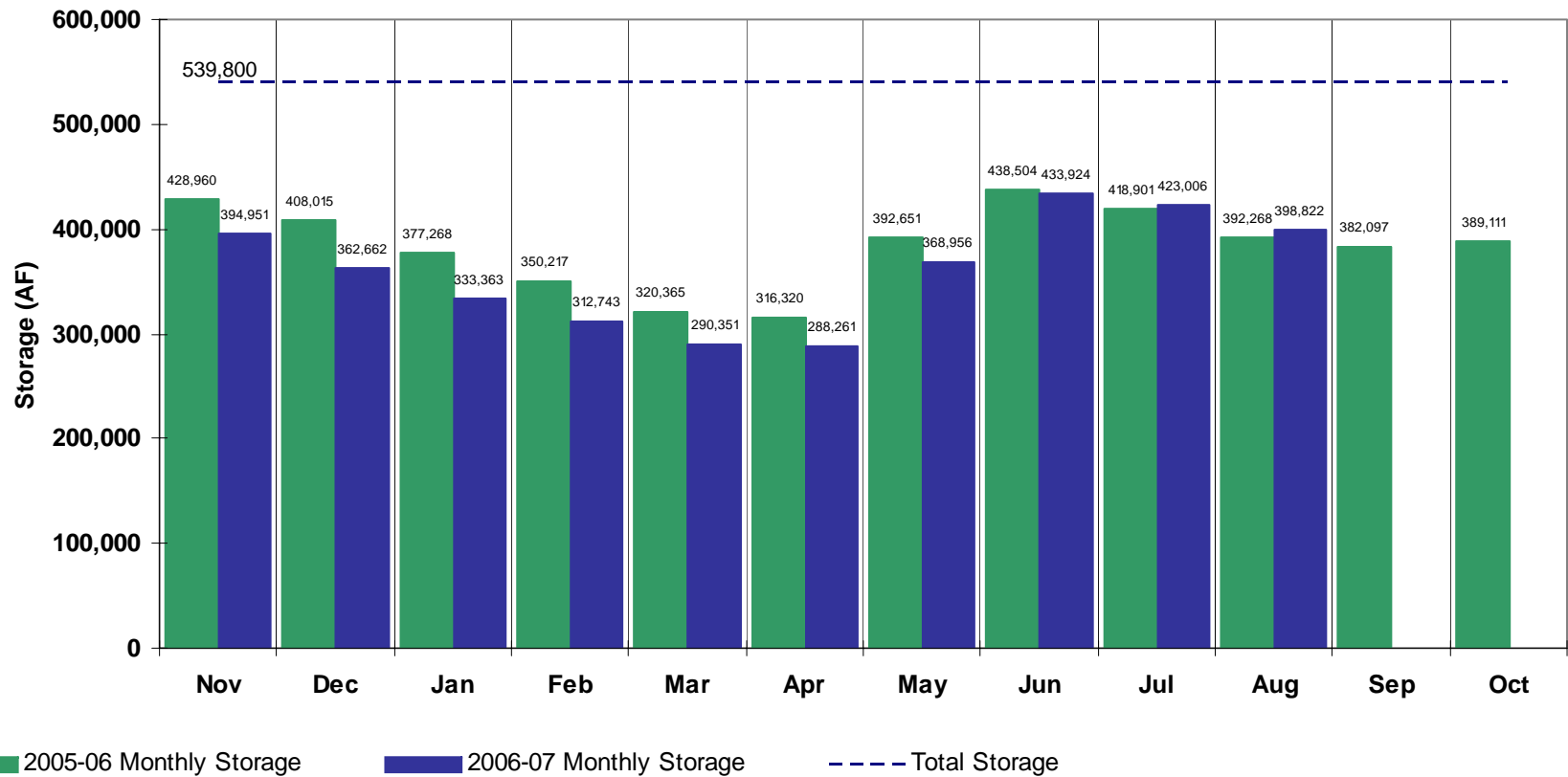


Eleven Mile Reservoir

(District 23 - Municipal)



Lake Granby



Beaver Park Reservoir
(Photo by John Batka)

08.09.2007

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