

South Platte Summary

December 2006



By David Ellington



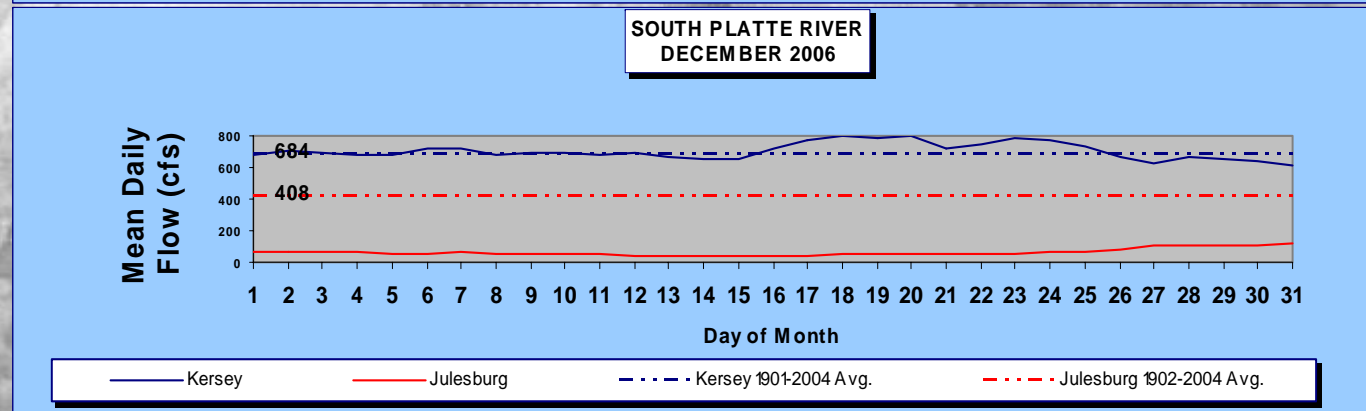
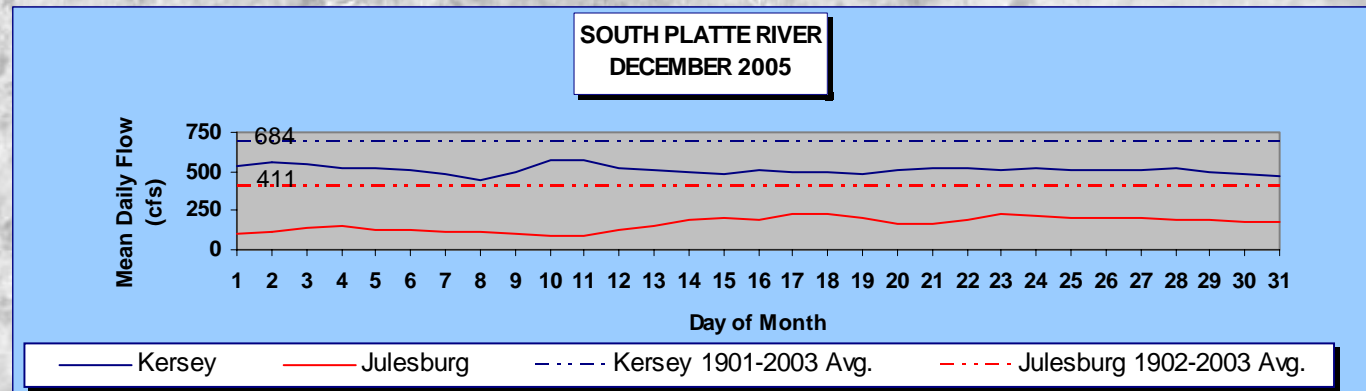
Olympus Dam
(photo by Russell Stroud)

COLORADO DIVISION OF WATER RESOURCES, DIVISION 1

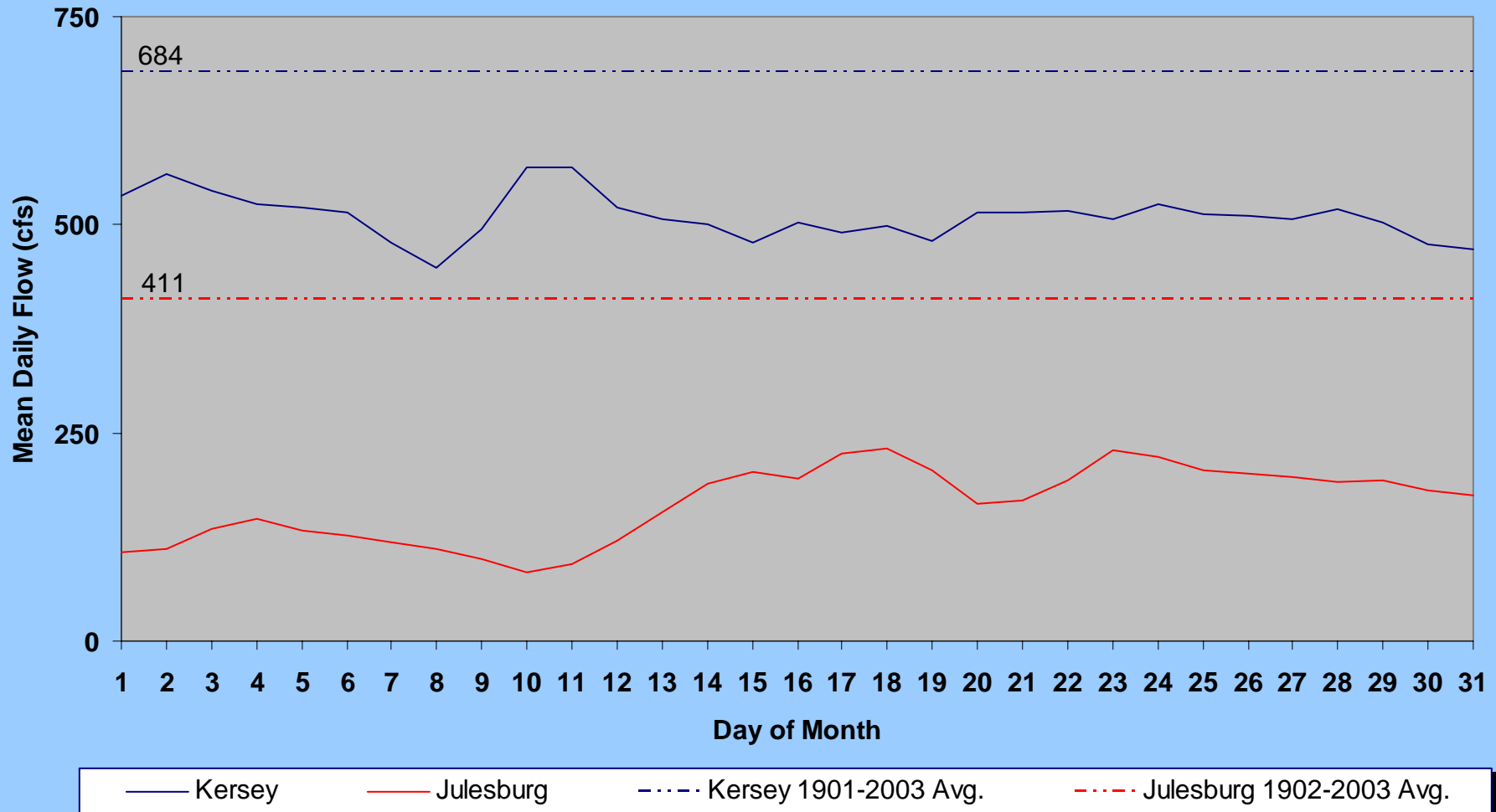
MONTH OF DECEMBER 2006

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	11,985	19,547	64	7,562	63%	86%	83%	0
N STERLING	73,730	19,882	27,890	64	8,008	40%	38%	50%	0
PREWITT	28,500	3,951	4,698	64	747	19%	16%	97%	0
JACKSON	27,257	6,069	14,865	1	8,796	145%	55%	88%	0
EMPIRE	37,700	6,829	13,909	1	7,080	104%	37%	37%	0
RIVERSIDE	63,113	34,226	42,742	1	8,516	25%	68%	73%	0
BARR LAKE	31,652	14,555	22,759	2	8,204	56%	72%	72%	0
CHEESMAN	79,064	65,370	69,330	80	3,960	6%	88%	97%	0
ELEVEN MILE	97,779	99,899	100,623	23	724	1%	100%	100%	2,844
SPINNEY	53,651	44,108	39,061	23	-5,047	-11%	73%	70%	0
ANTERO	20,015	16,494	16,857	23	363	2%	84%	35%	0

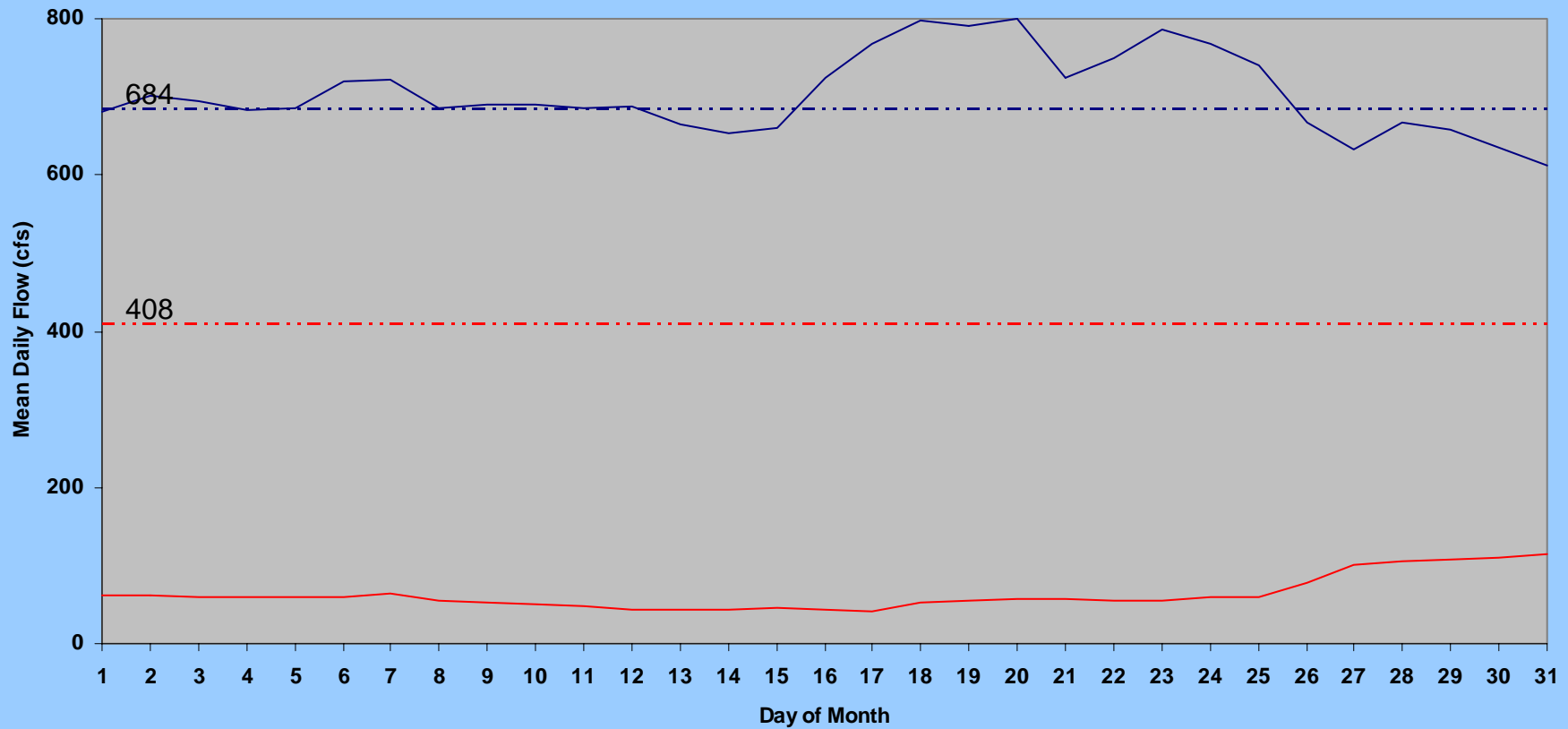
RIVER GAGES	MEAN DAILY FLOW (CFS)
KERSEY	704
JULESBURG	63
THIS MONTH LAST YEAR	
KERSEY	510
JULESBURG	165
MEAN FOR PERIOD OF RECORD*	
KERSEY	684
JULESBURG	408
* 1901-2004	
1902-2004	



SOUTH PLATTE RIVER DECEMBER 2005

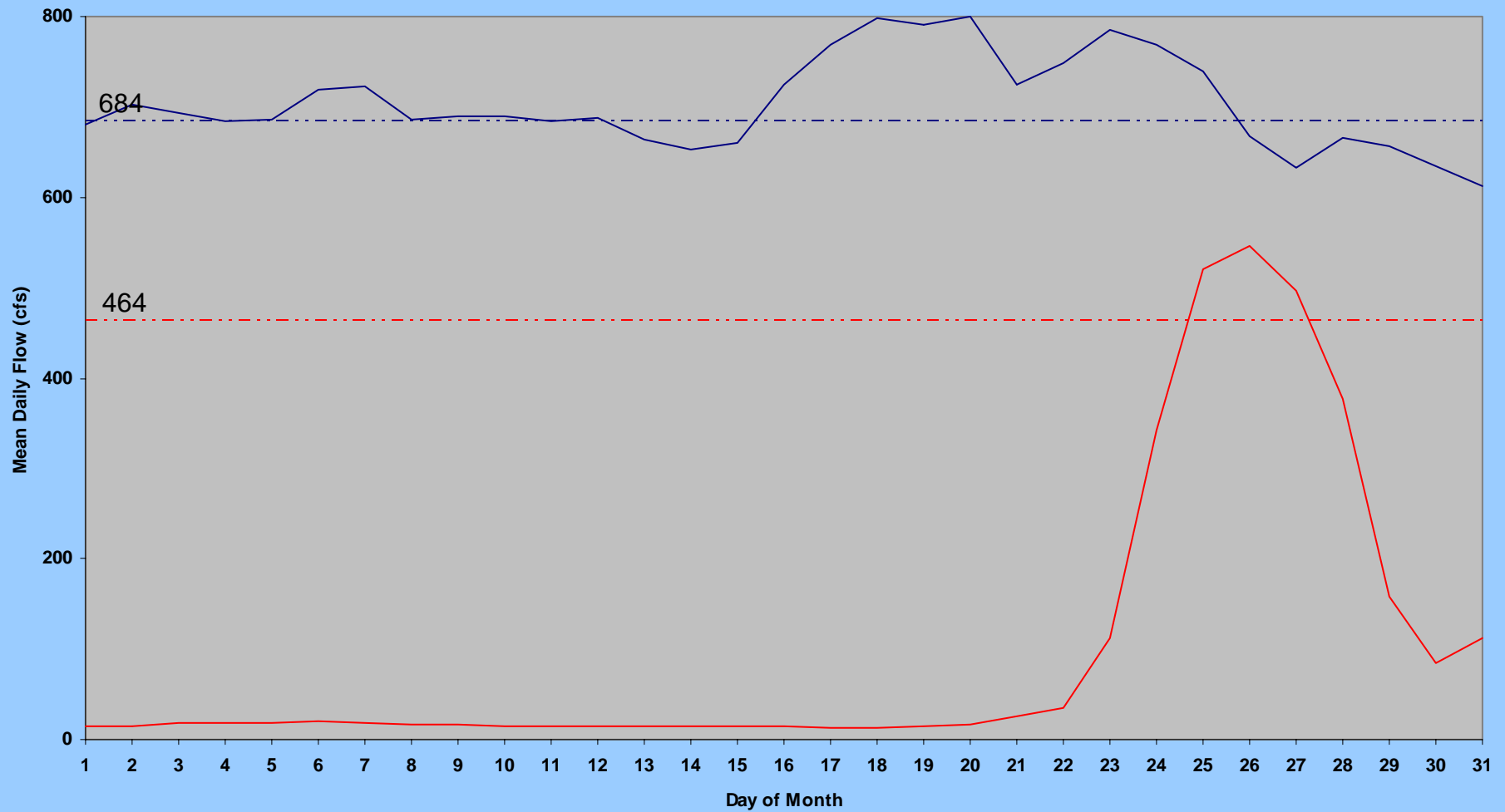


SOUTH PLATTE RIVER DECEMBER 2006



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

KERSEY and BALZAC DECEMBER 2006



— Kersey — Balzac - - - Kersey 1901-2004 Avg. - - - Balzac 1980-2004 Avg.

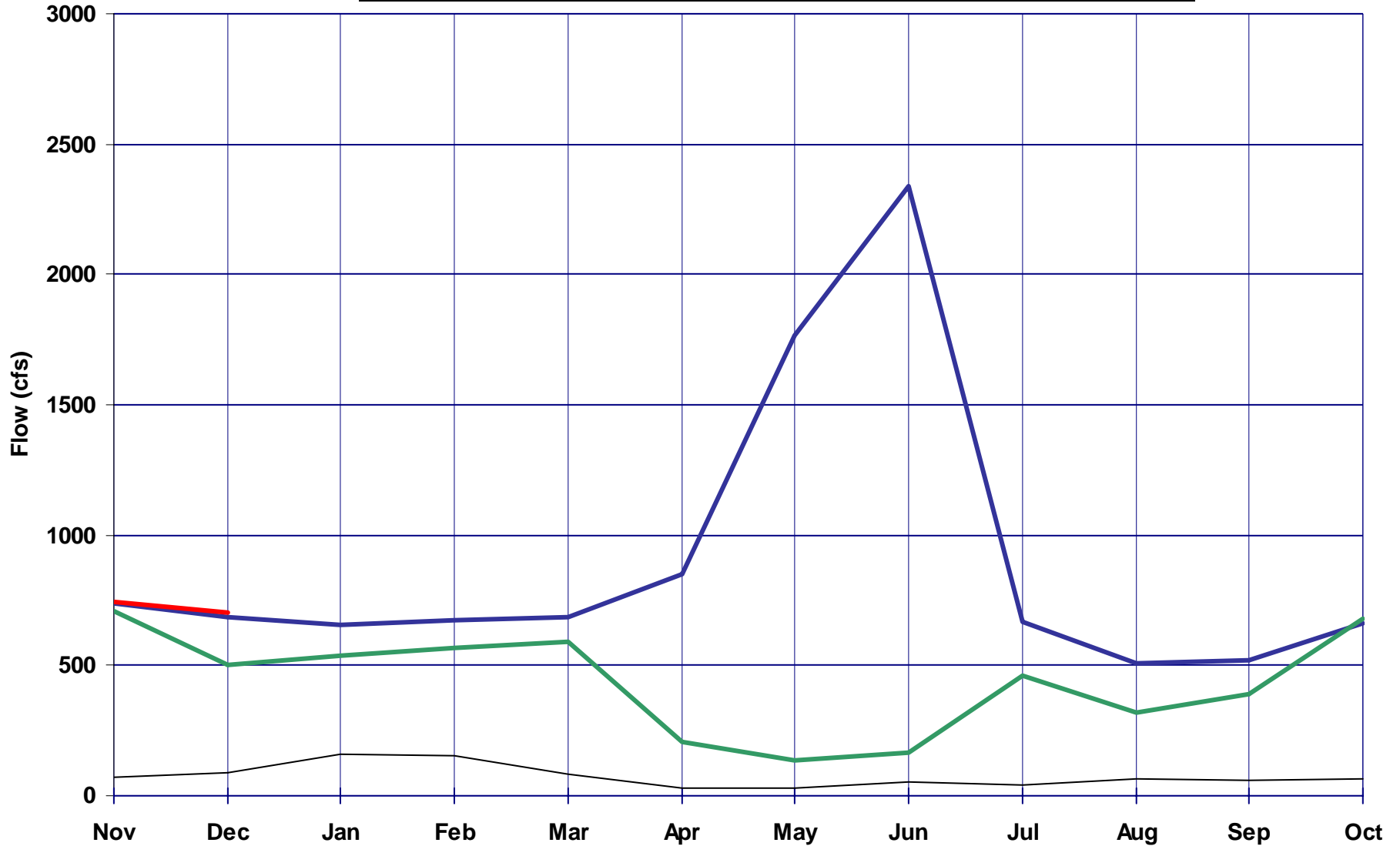


Chatfield Reservoir
(Photo by Mark Trivisonno)

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	656	2160	1974	158	1935		Jan	526	2510	1970	21	2003	
Feb	673	3060	1914	152	1935		Feb	604	3220	1930	22	2004	
Mar	686	3470	1983	80	1935		Mar	545	12900	1910	15	1904	
Apr	849	18100	1942	28	1955		Apr	540	14400	1942	4.0	1904	
May	1766	26100	1973	29	1955		May	1043	18100	1973	12	1911	
Jun	2336	31000	1921	52	1954		Jun	1459	30800	1921	2.0	1910	
Jul	670	12600	1983	44	1955		Jul	300	12600	1983	0.0	1903	
Aug	506	9690	1951	65	1934		Aug	184	8920	1968	0.0	1903	
Sep	517	14200	1938	62	1940		Sep	245	7130	1938	2.0	1902	
Oct	662	6180	1984	66	1954		Oct	308	3130	1984	4.2	1903	
*Period of record 1901-2004							*Period of record 1902-2004						

South Platte River at Kersey

Irrigation Water Year



Historic* Mean Flow
*1901-2004

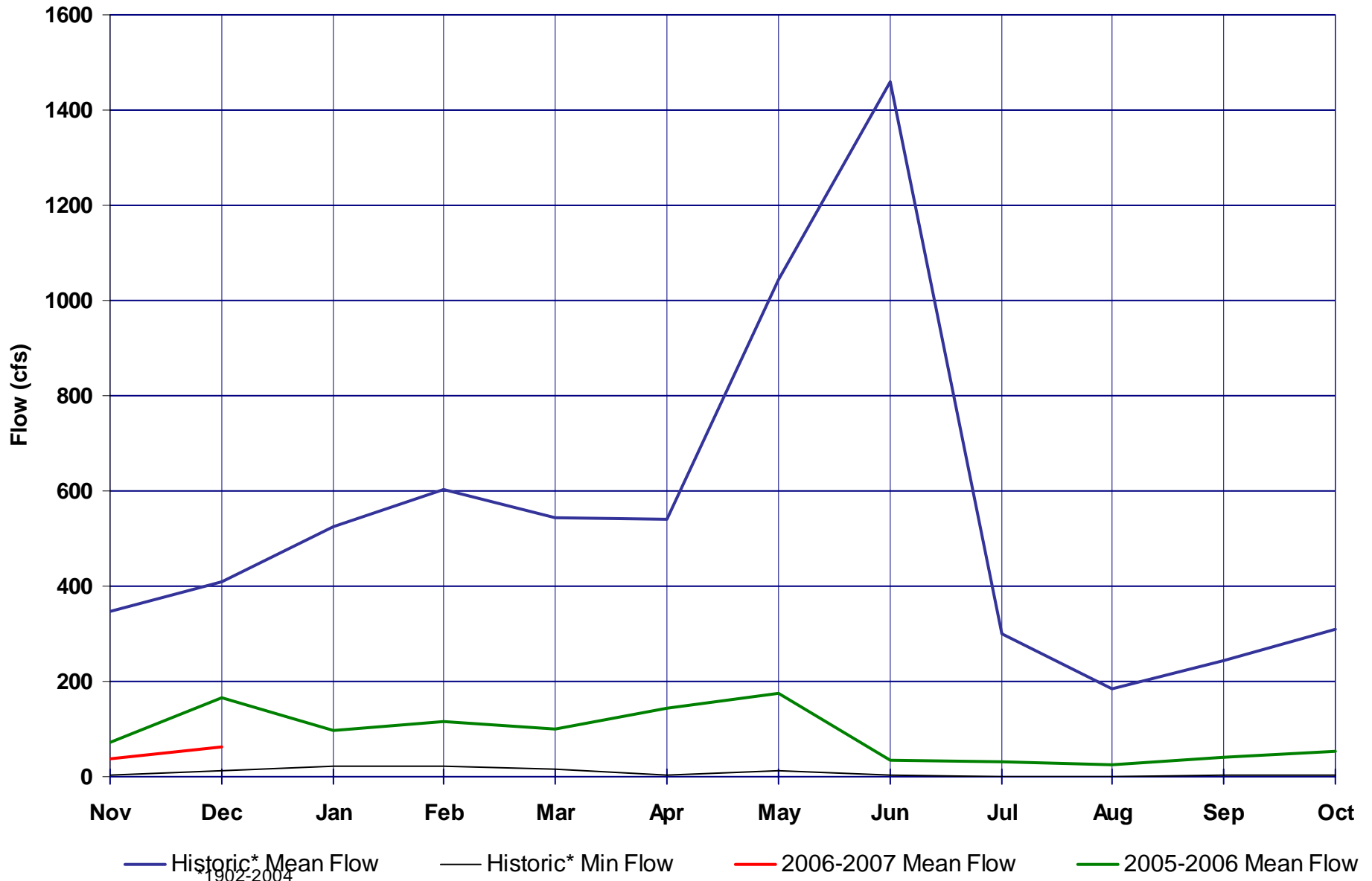
Historic* Min Flow

2006-2007 Mean Flow

2005-2006 Mean Flow

South Platte River at Julesburg

Irrigation Water Year



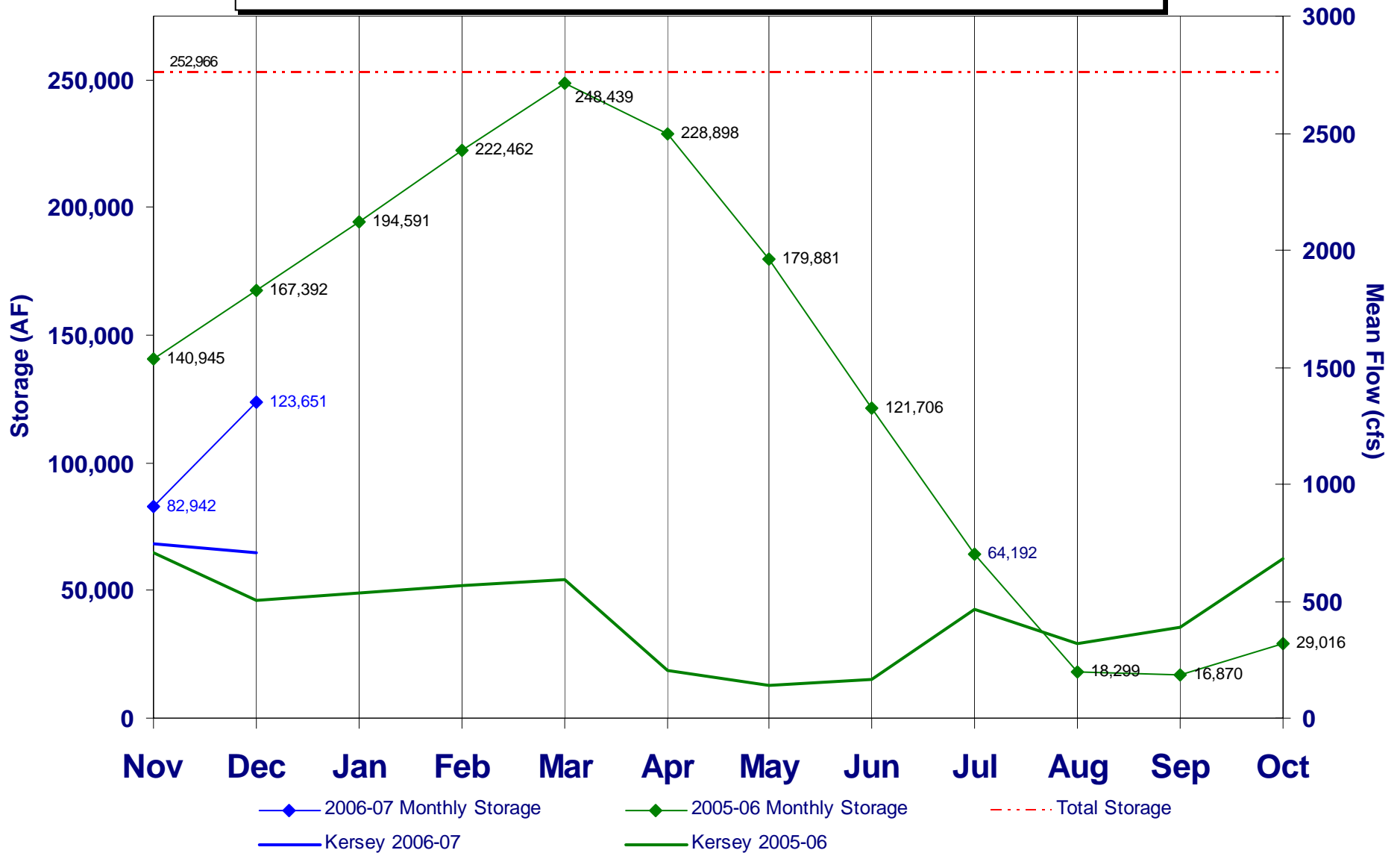
**Next four slides show Reservoir Storage
below and above Kersey**



Rocky Mountain National Park
(Photo by David Ellington)

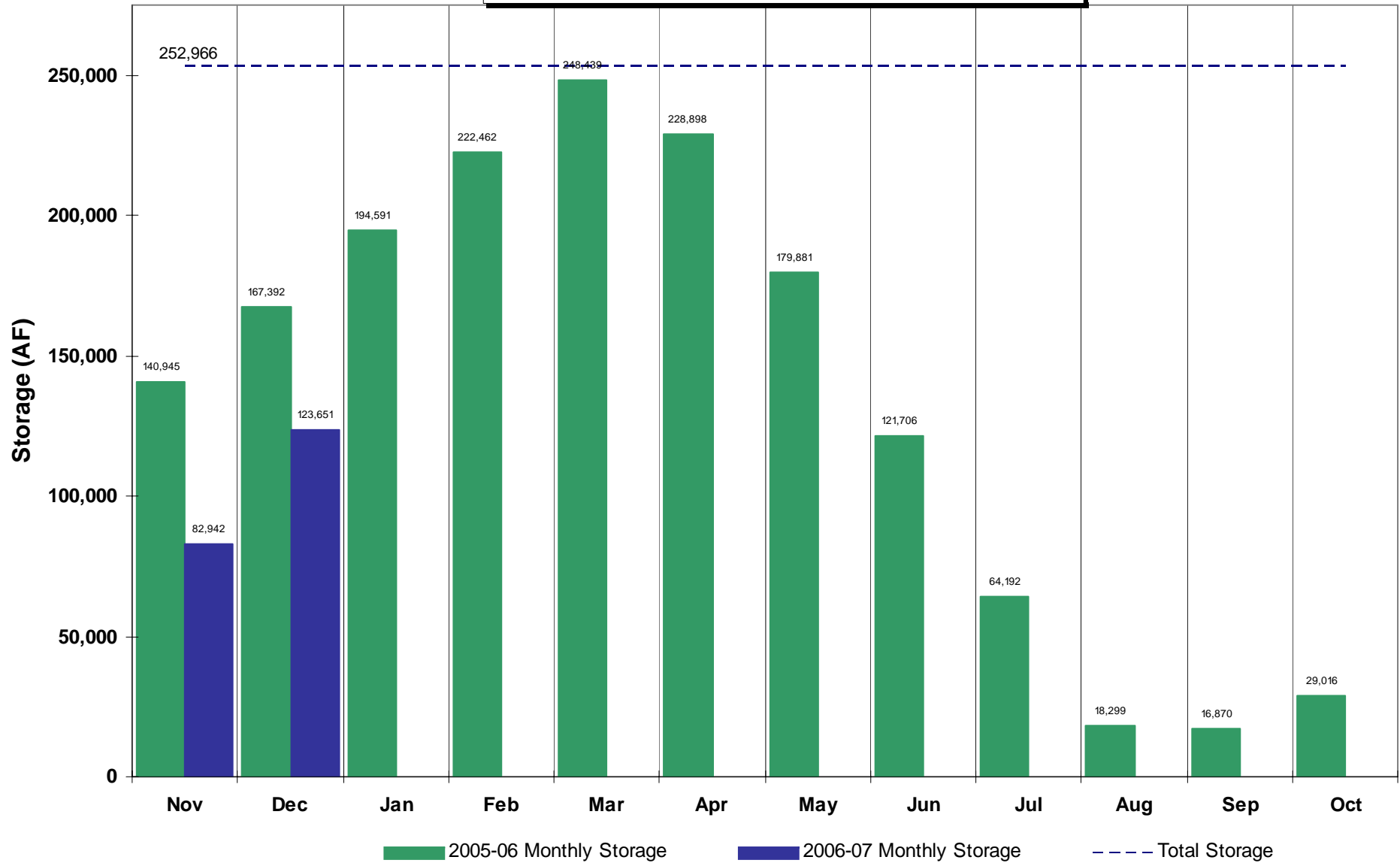
Reservoir Storage below Kersey

Selected Reservoirs*



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

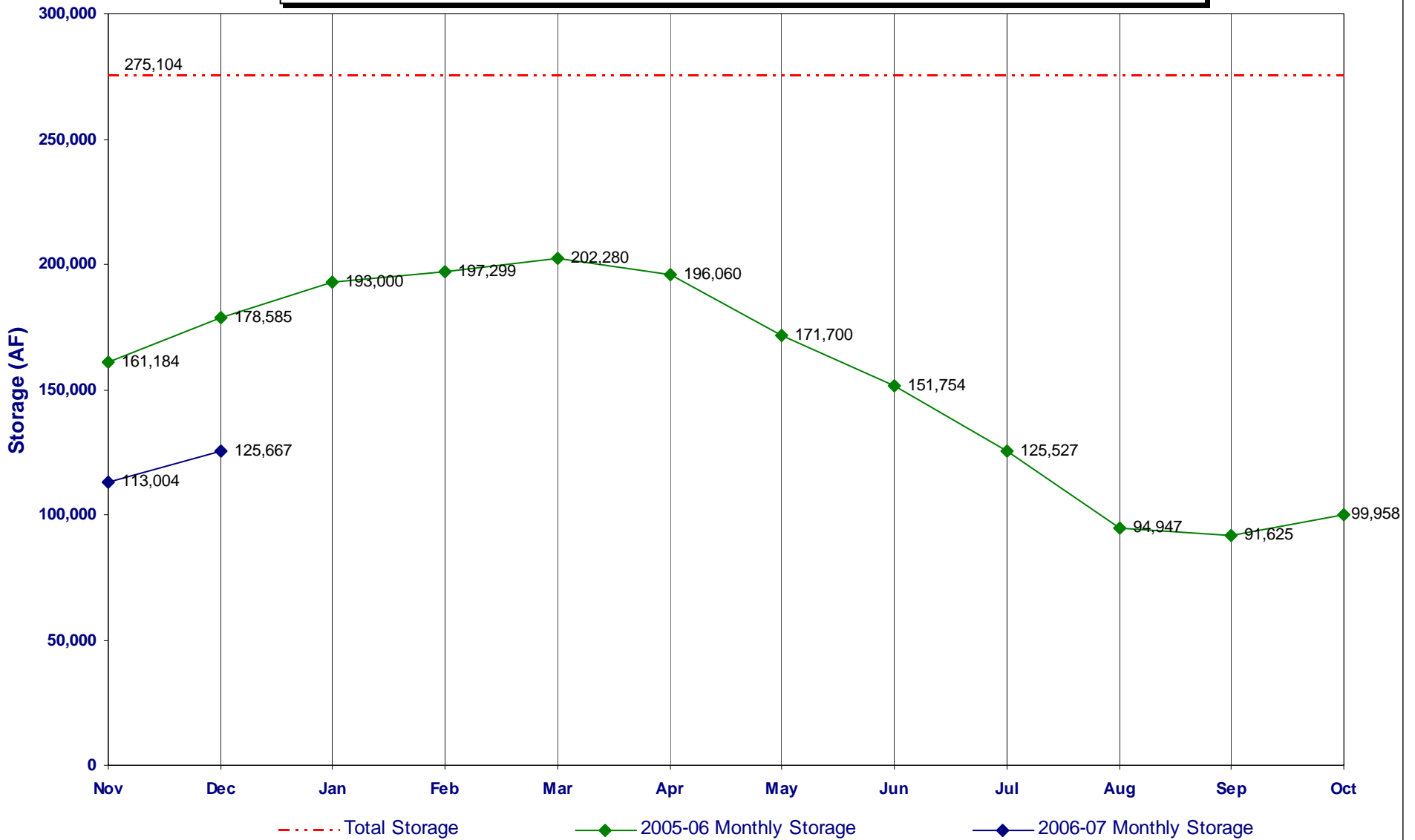
South Platte Reservoirs Storage below Kersey*



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

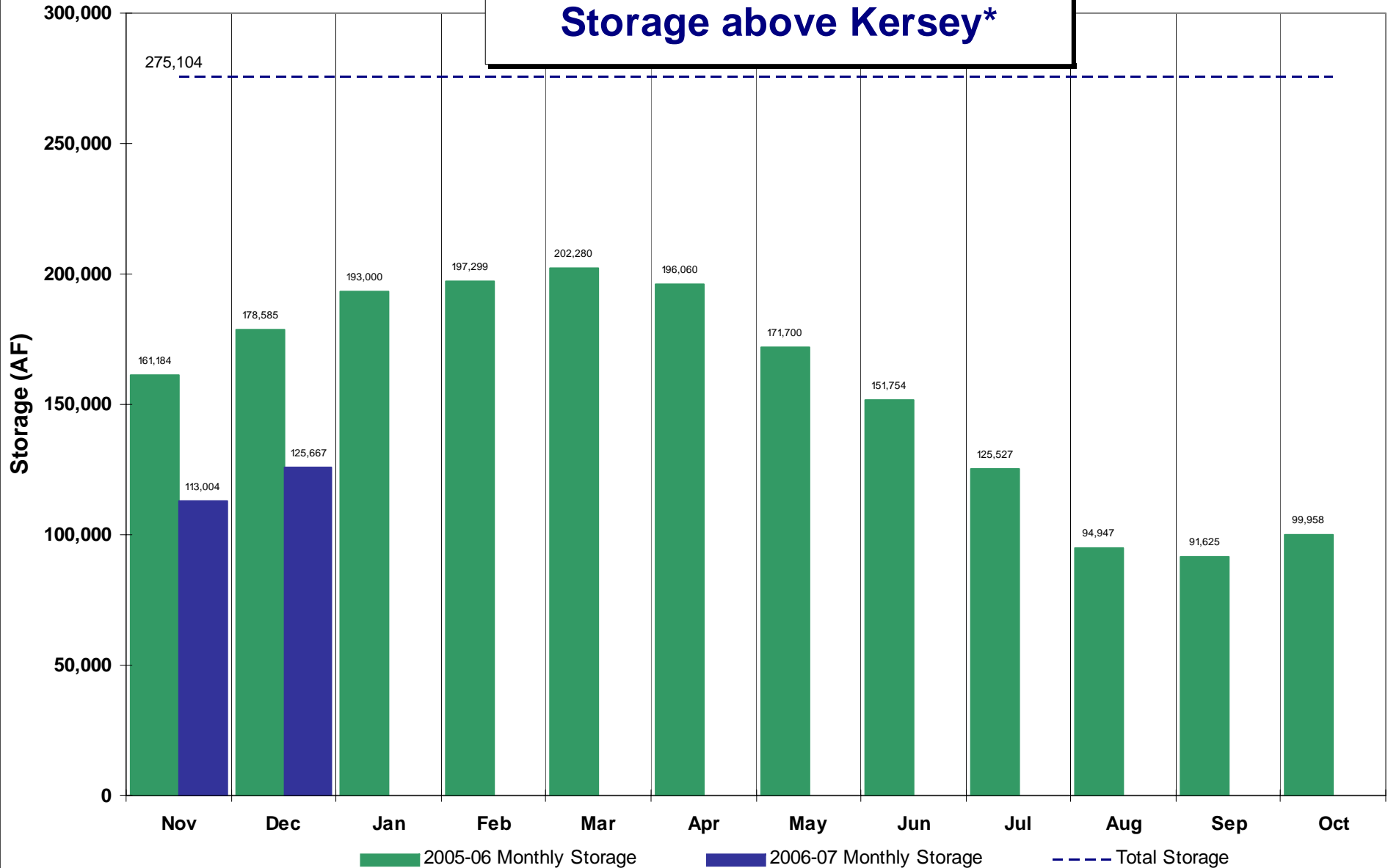
Reservoir Storage above Kersey

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

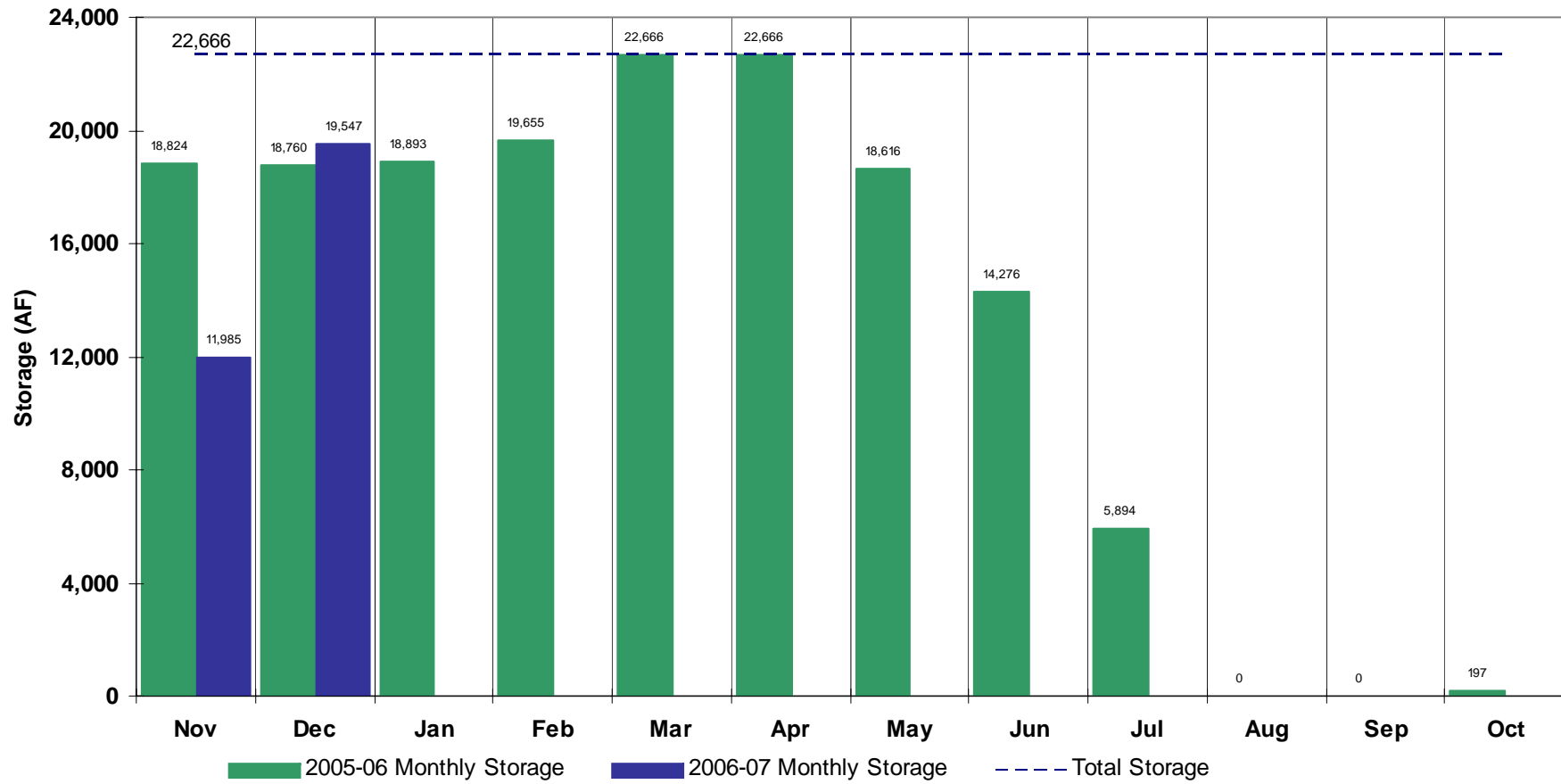
Individual Reservoir Storage Follows



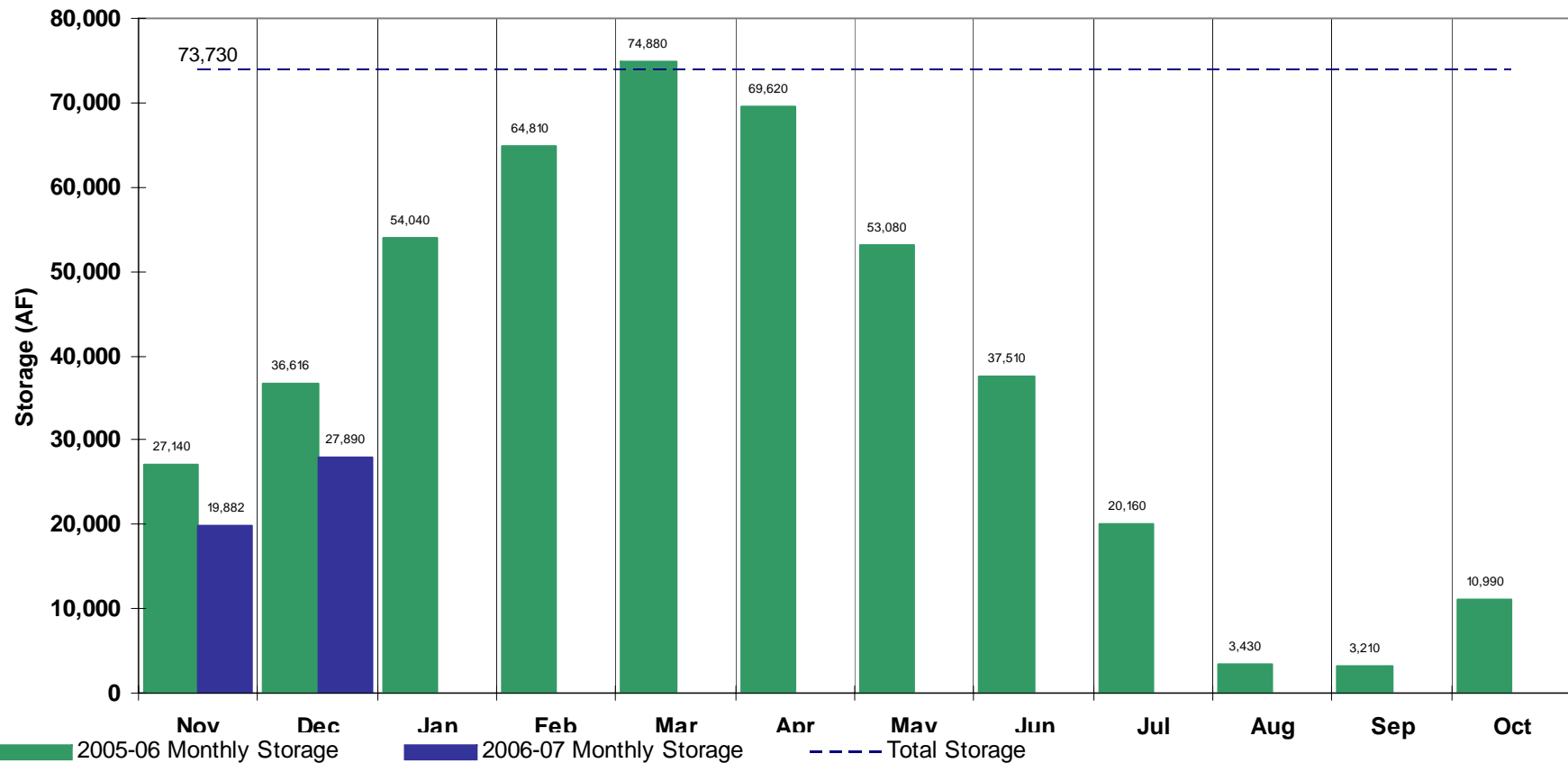
Olympus Tunnel
(photo by Russell Stroud)

Julesburg Reservoir

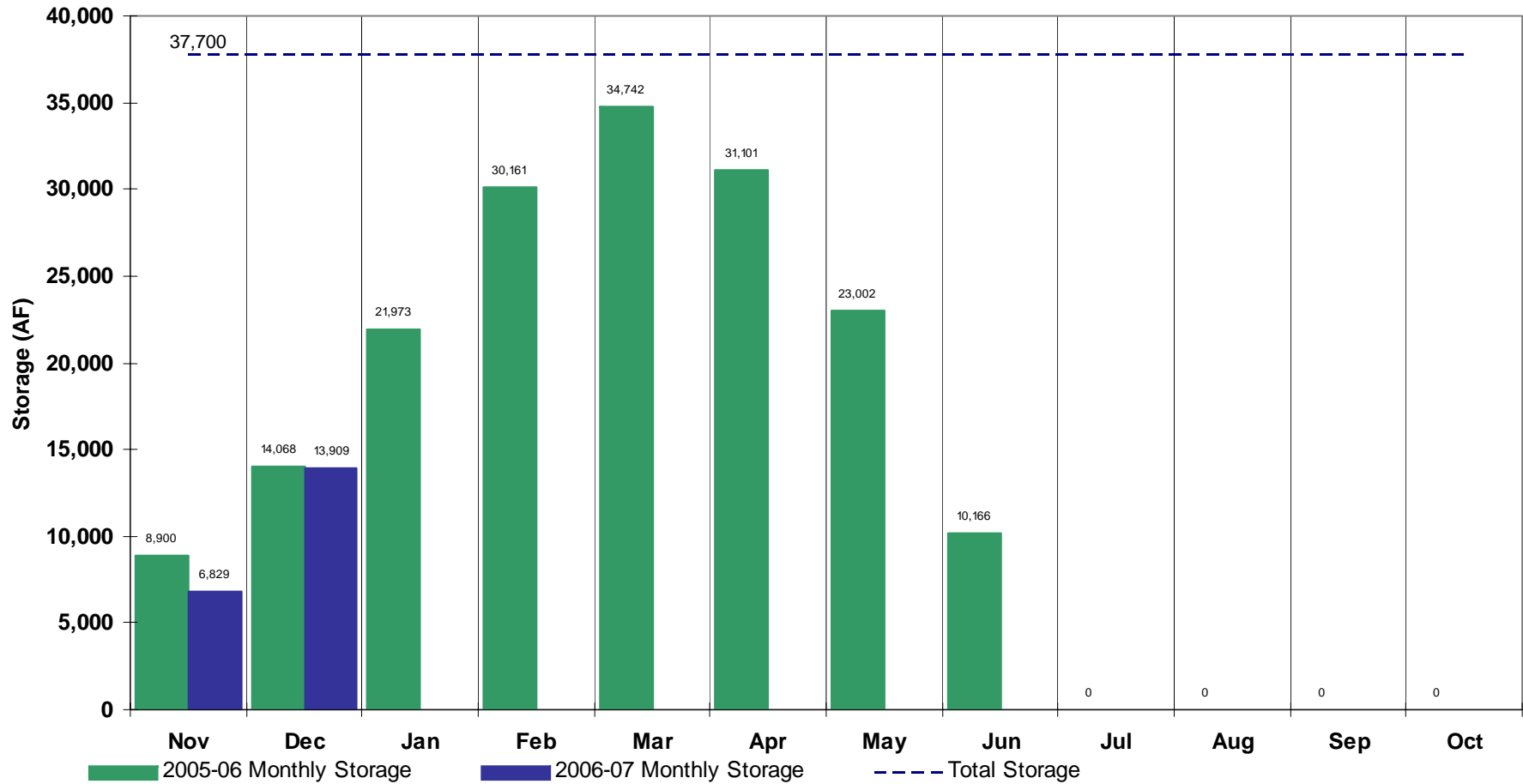
(Agricultural)



North Sterling Reservoir (Agricultural)

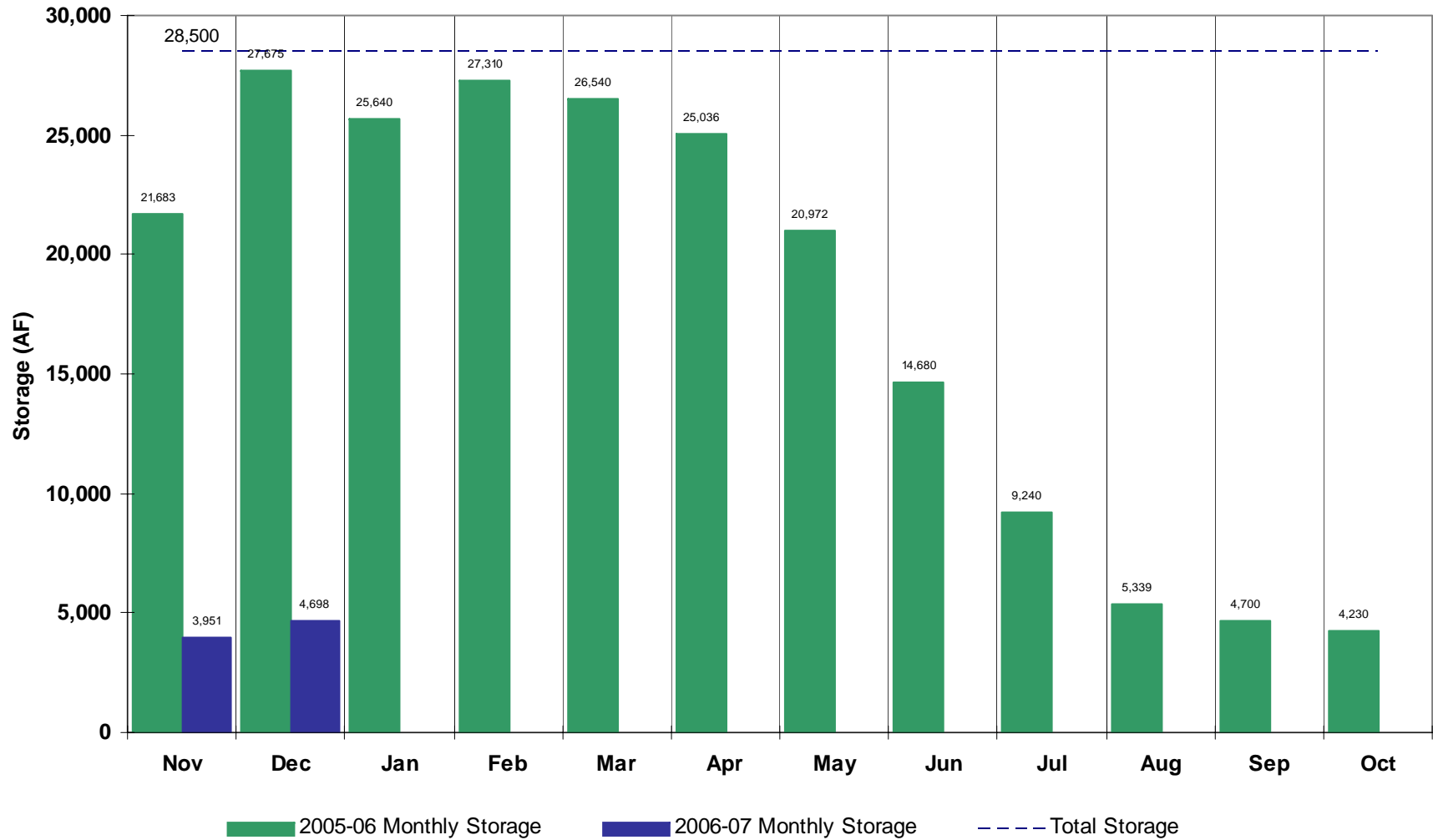


Empire Reservoir (Agricultural)



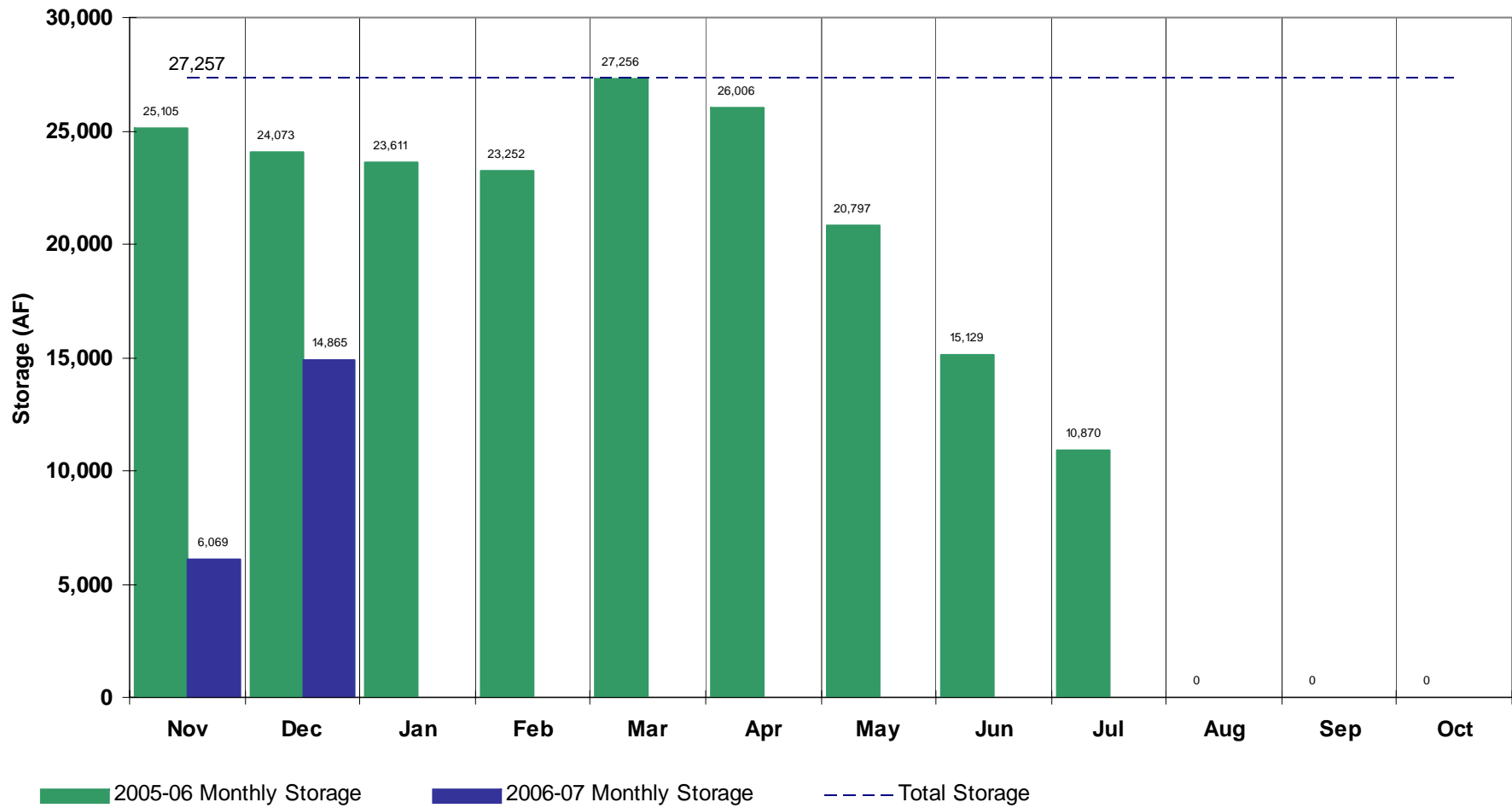
Prewitt Reservoir

(Agricultural)



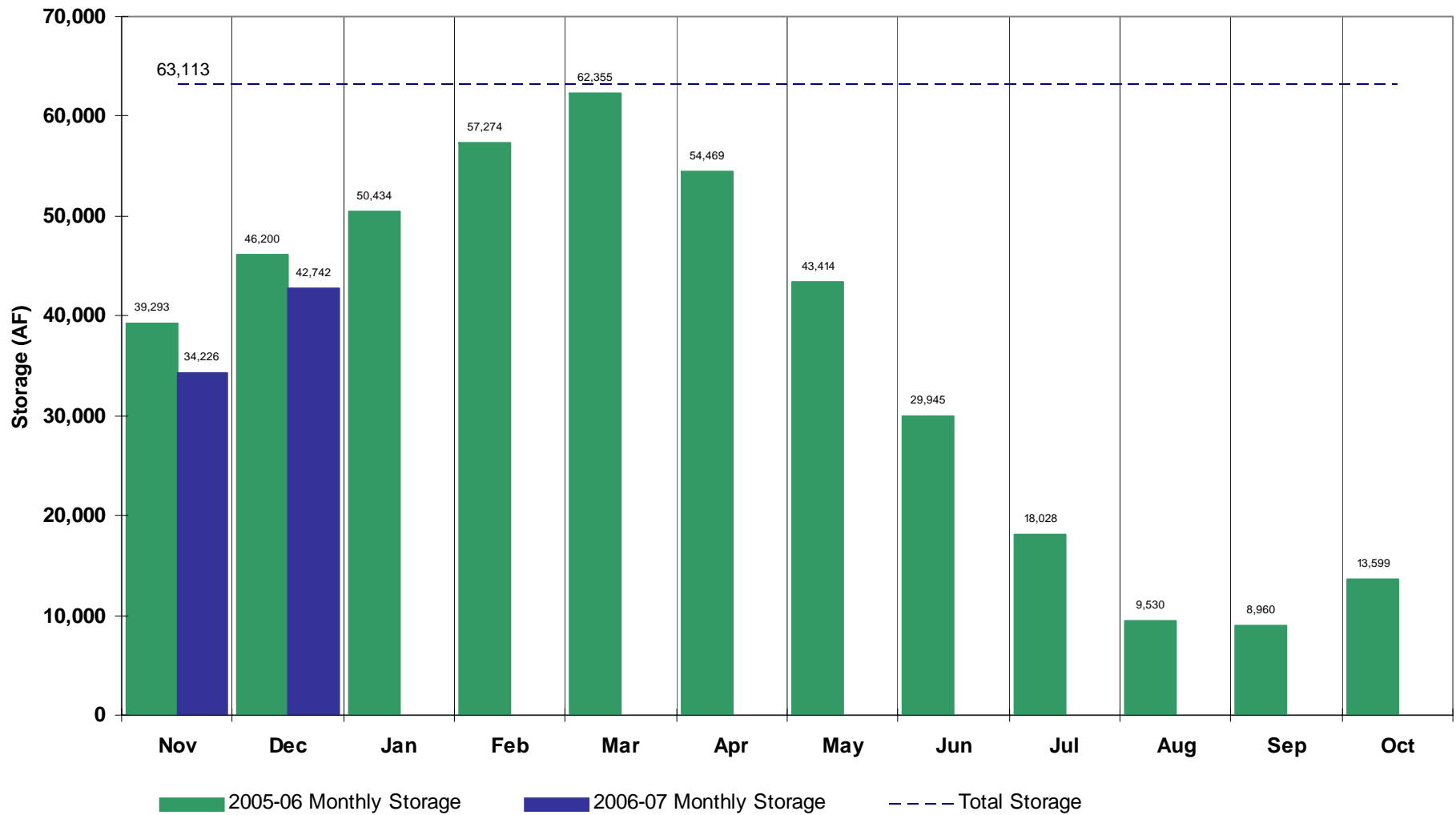
Jackson Reservoir

(Agricultural)

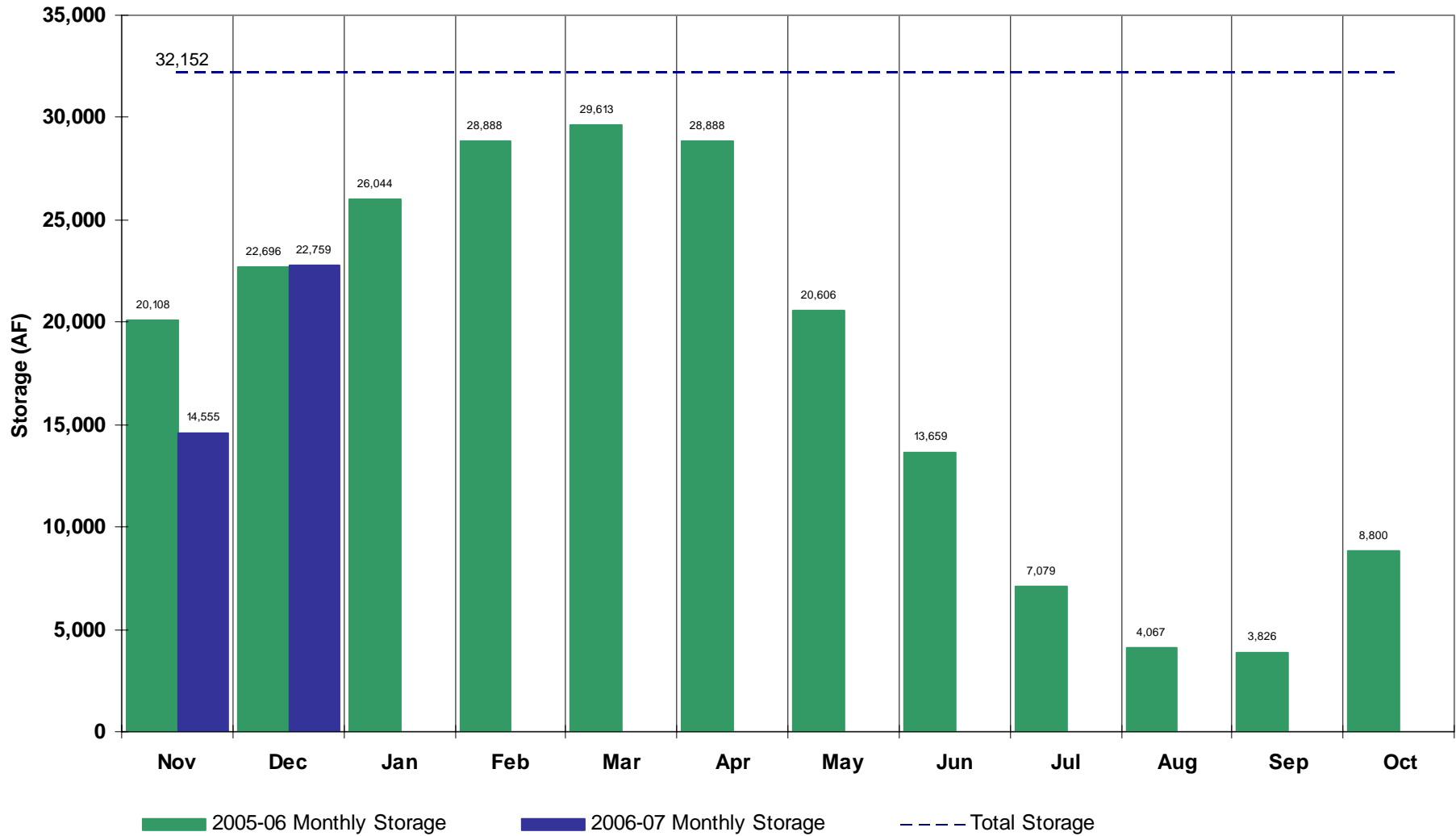


Riverside Reservoir

(Agricultural)

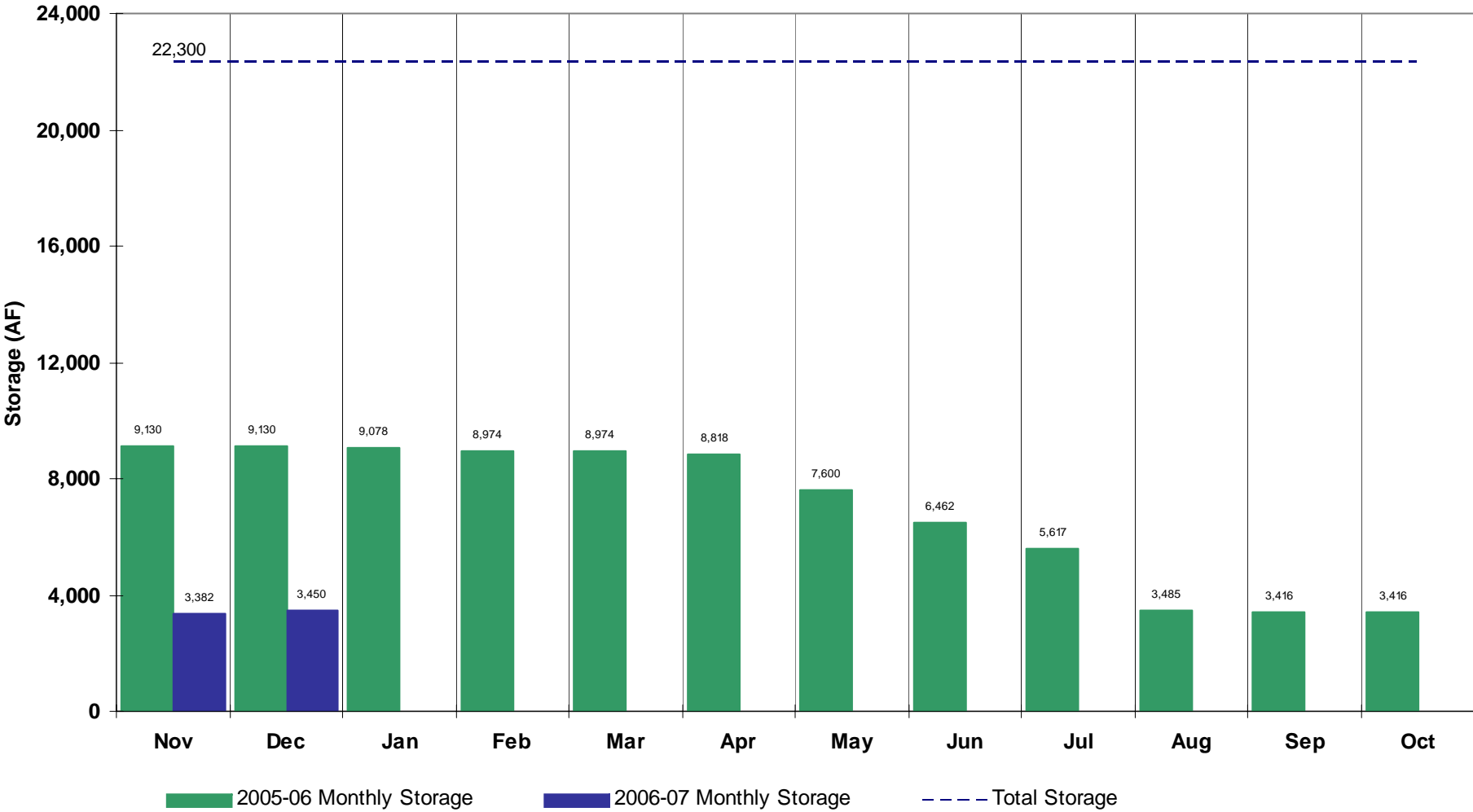


Barr Lake (Agricultural)



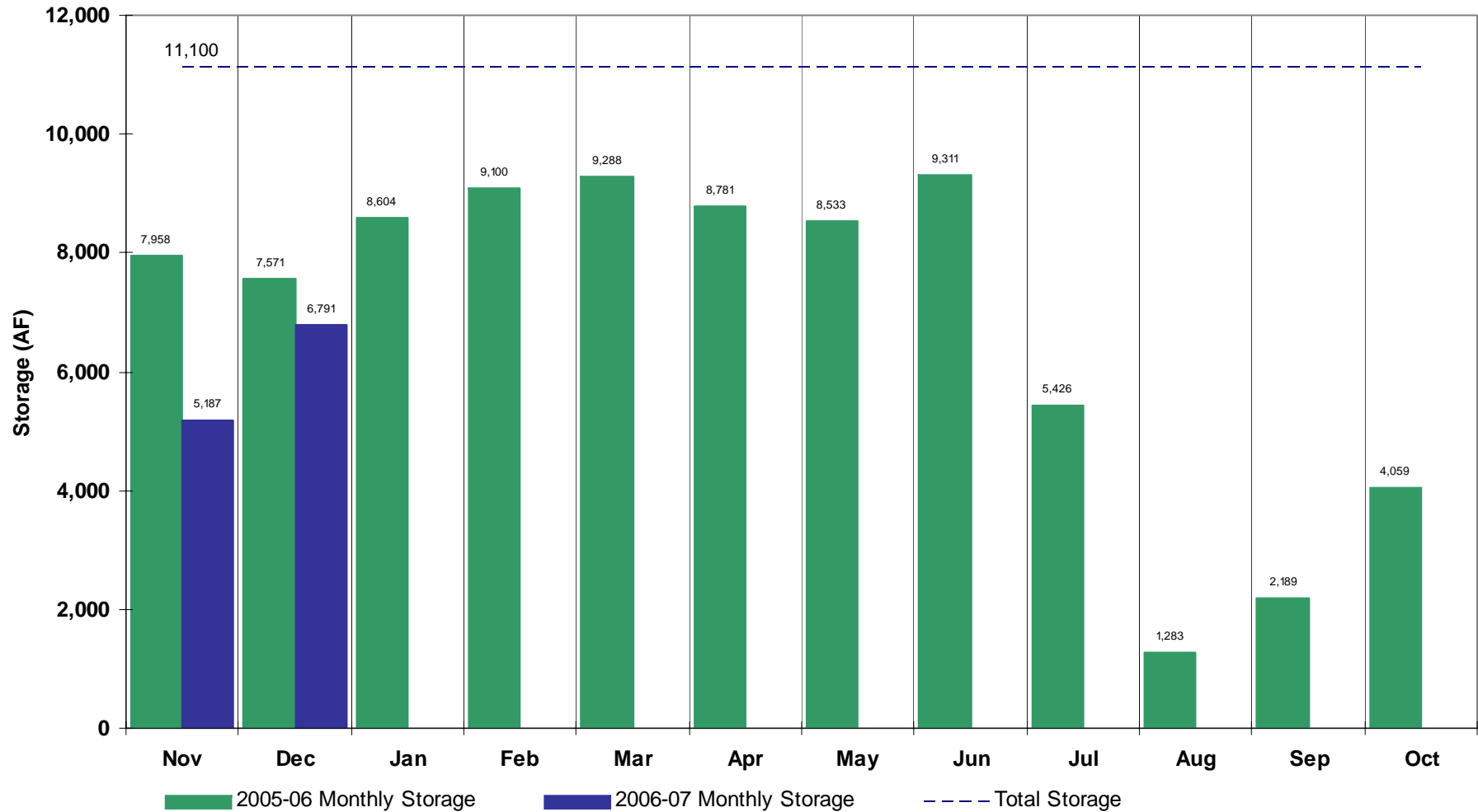
Cobb Lake

(Agricultural)

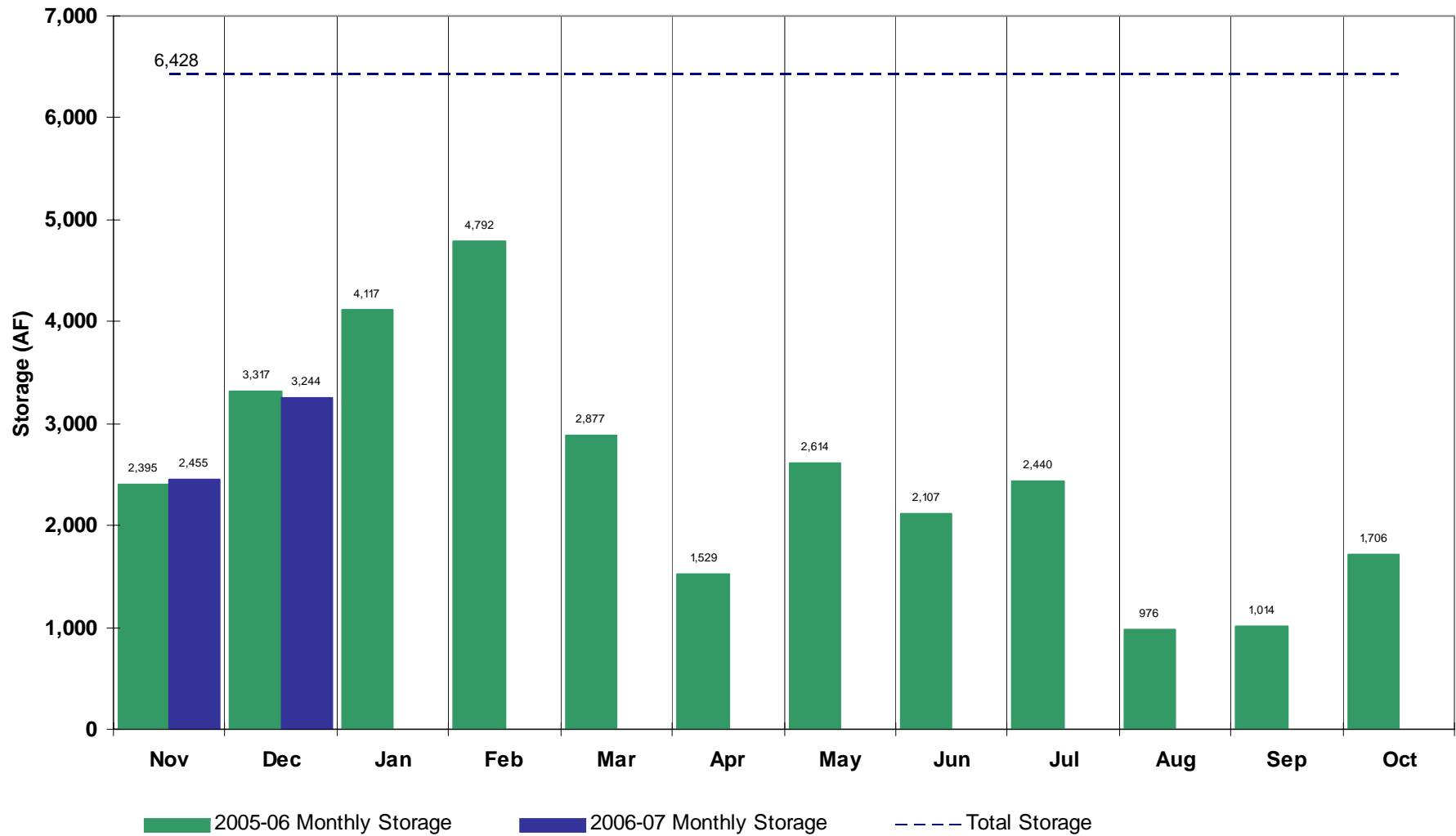


Fossil Creek Reservoir

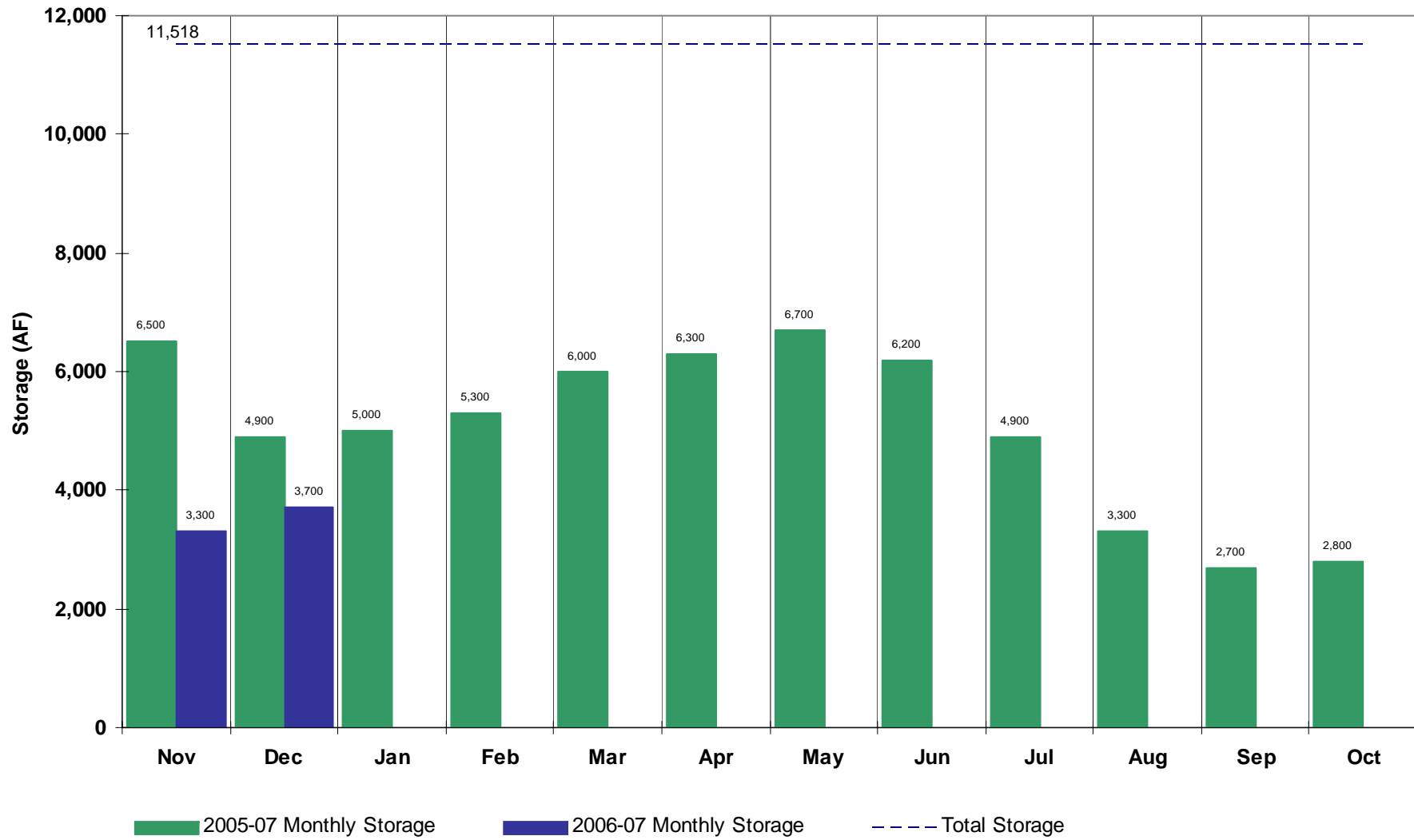
(Agricultural)



Halligan Reservoir (Agricultural)

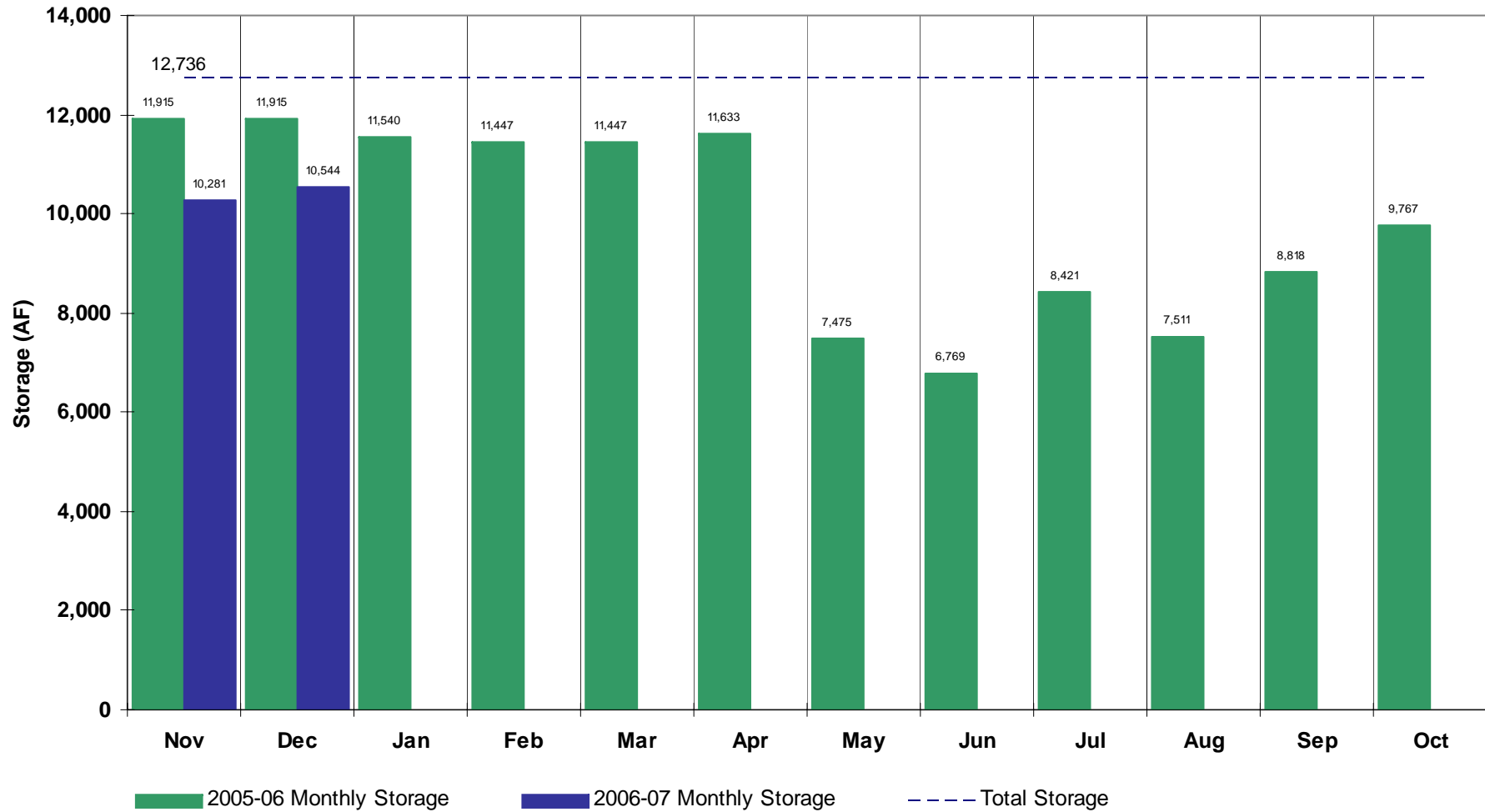


Marshall Lake (Agricultural)



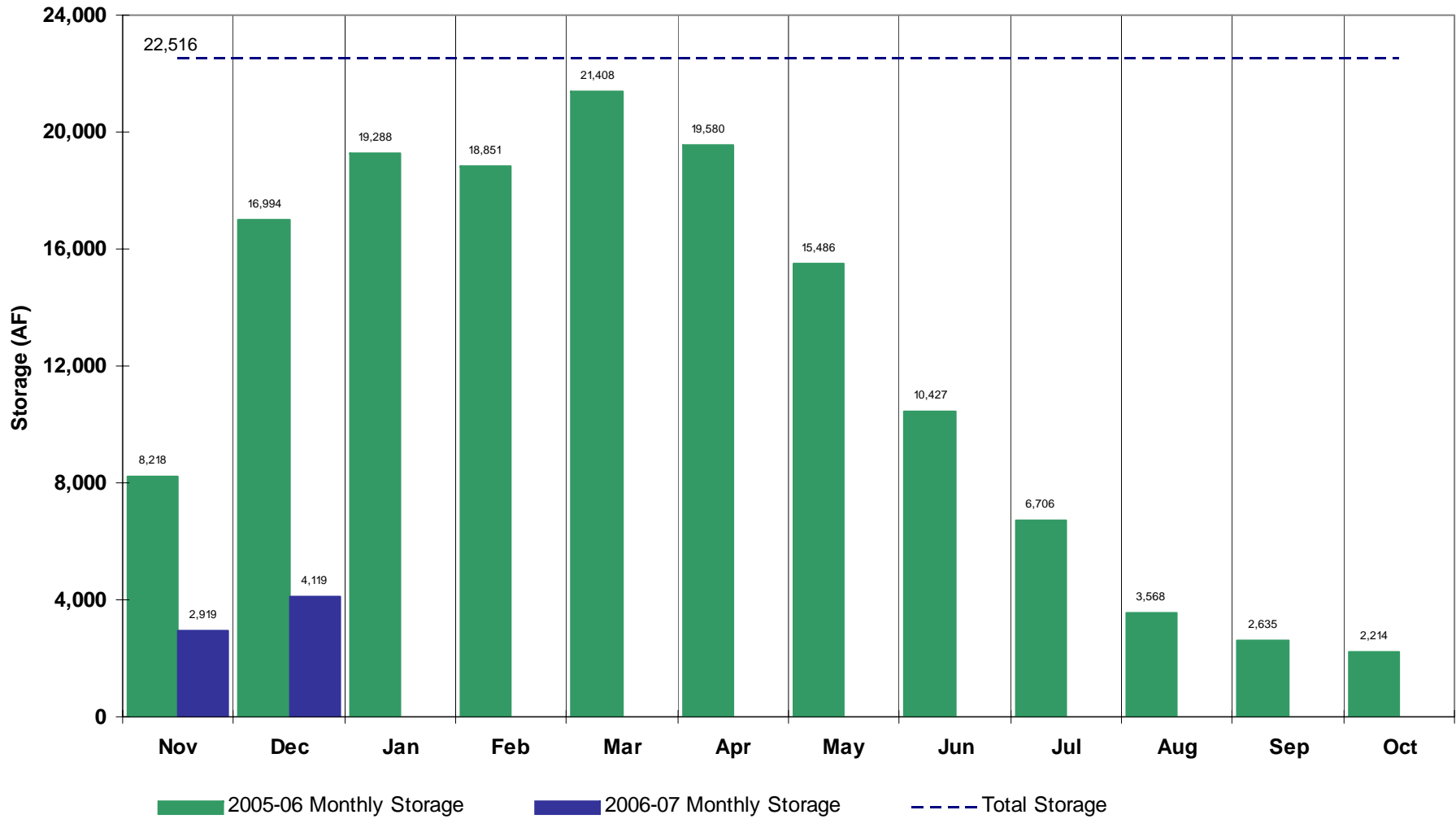
Loveland Greeley Reservoir

(Agricultural)

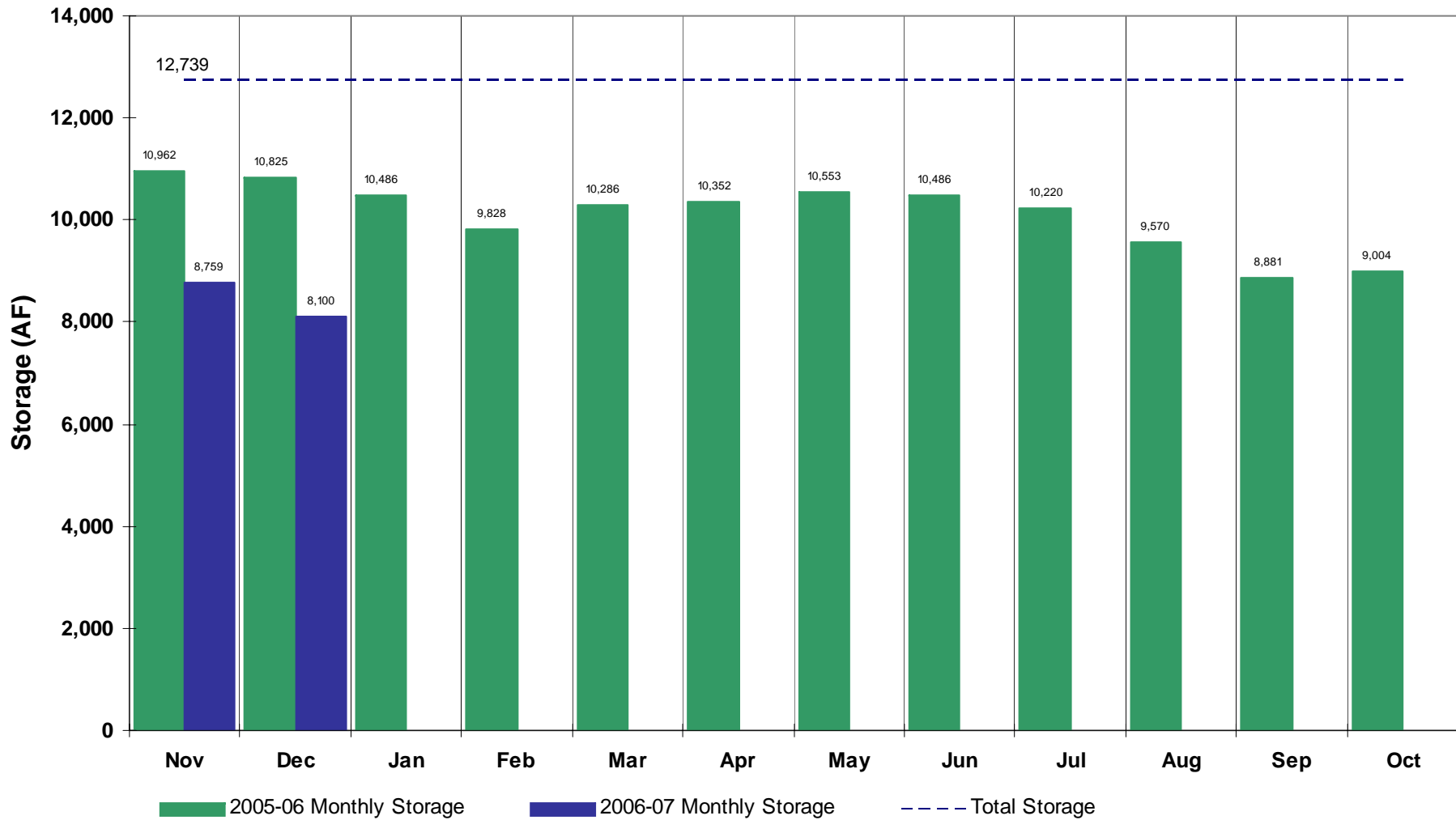


Milton Reservoir

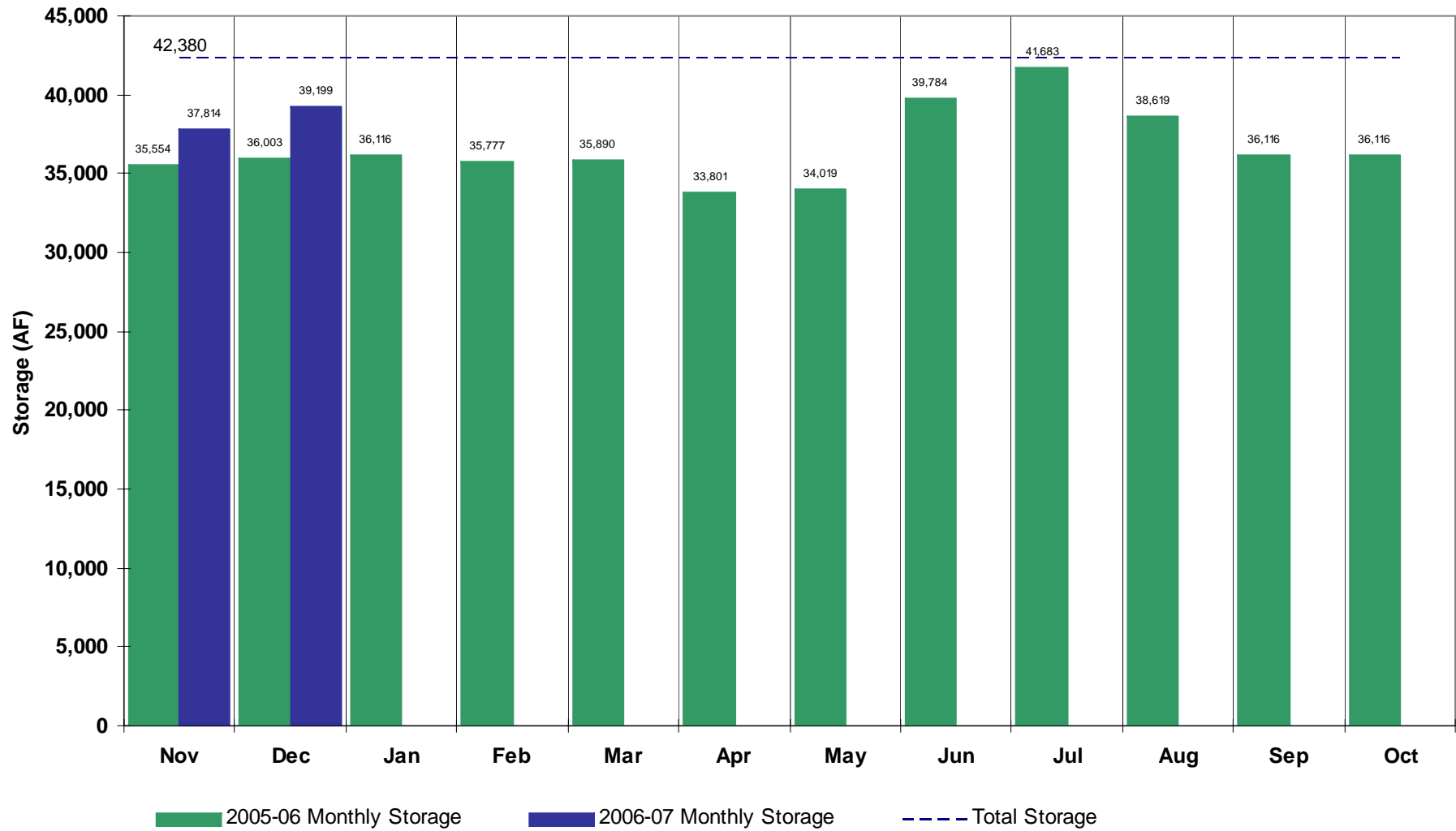
(Agricultural)



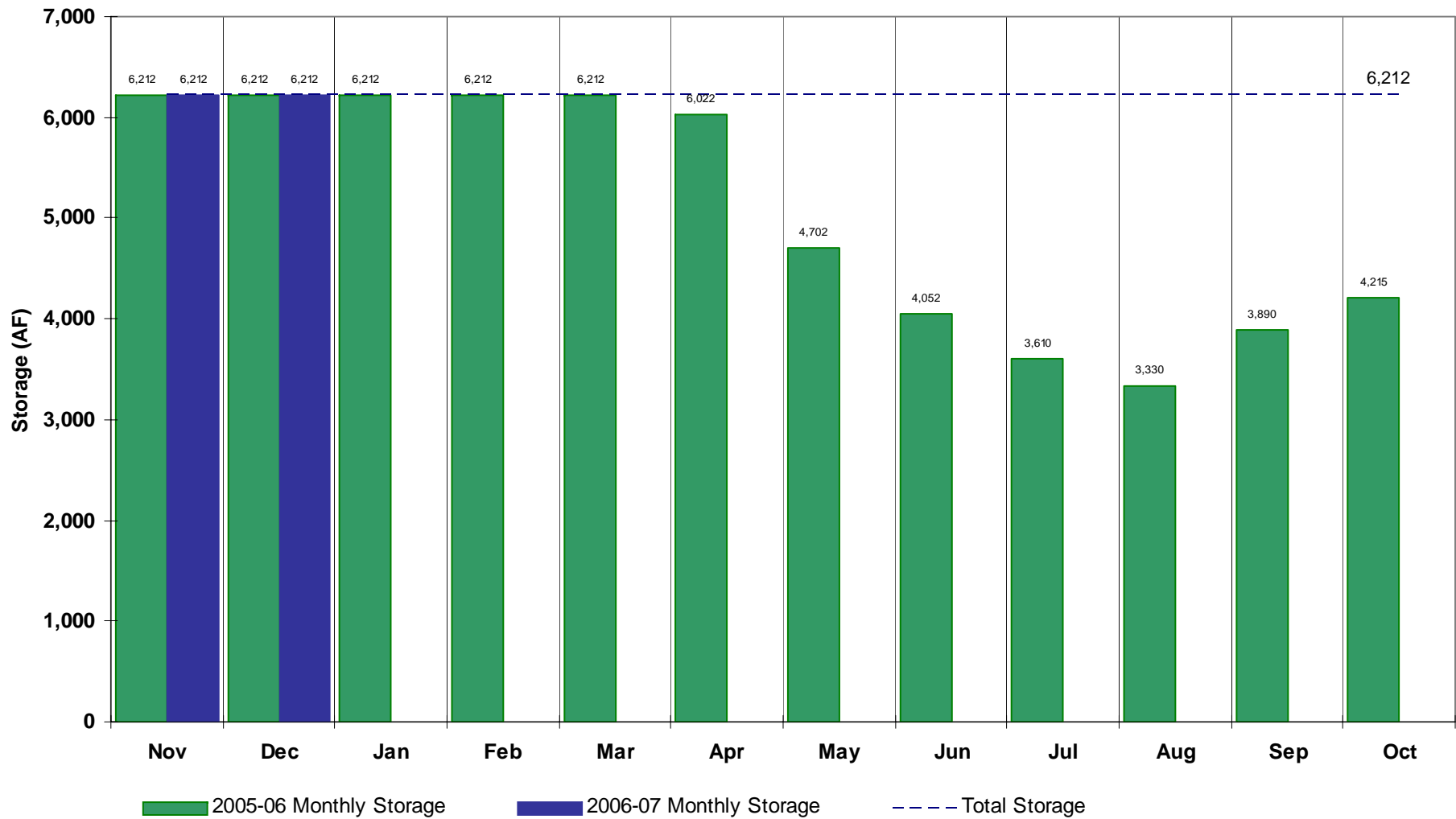
Union Reservoir (Agricultural)



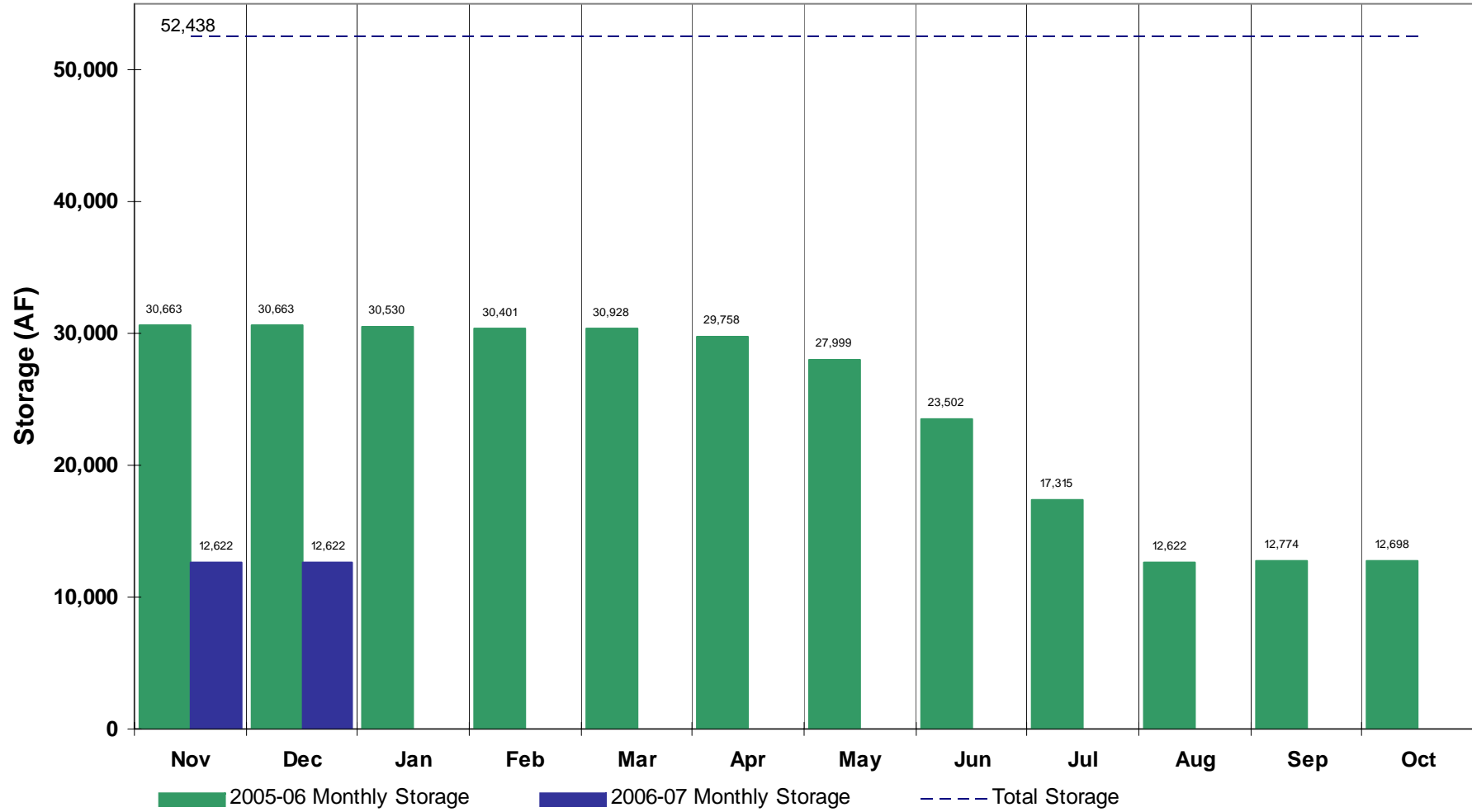
Standley Lake (Agricultural)



Lower Latham Reservoir (Agricultural)

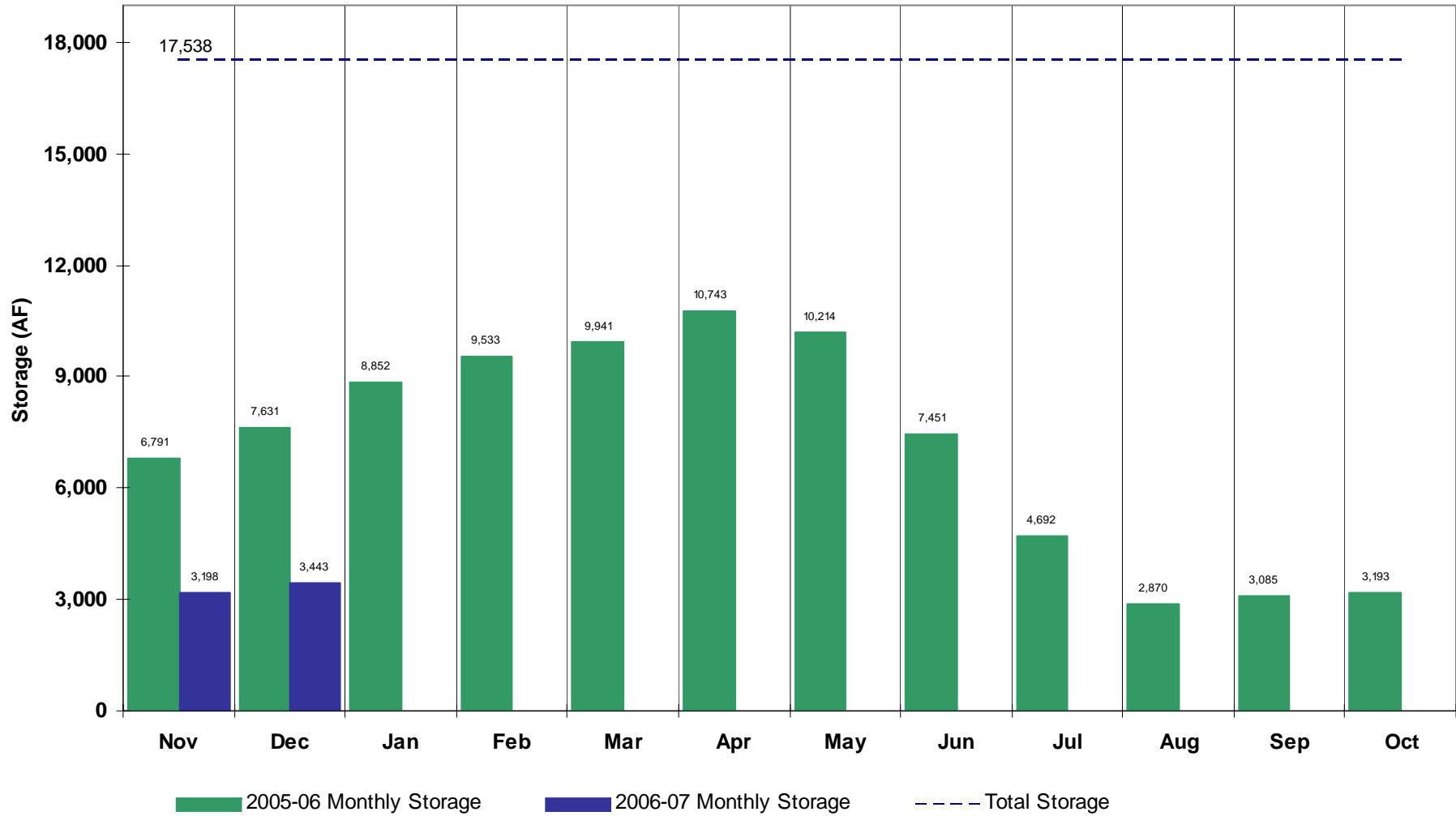


Boyd Lake (Agricultural)



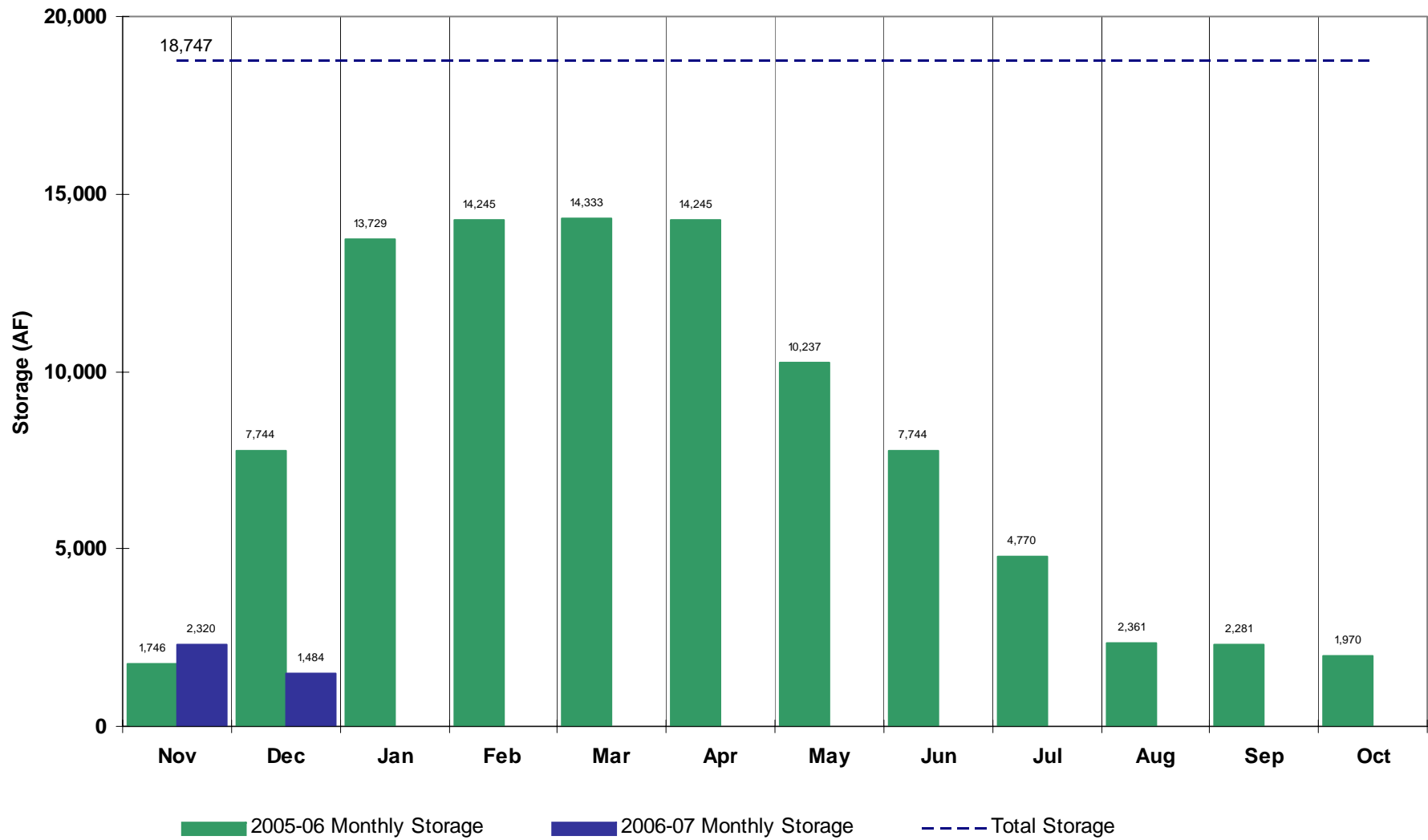
Windsor Reservoir

(Agricultural)

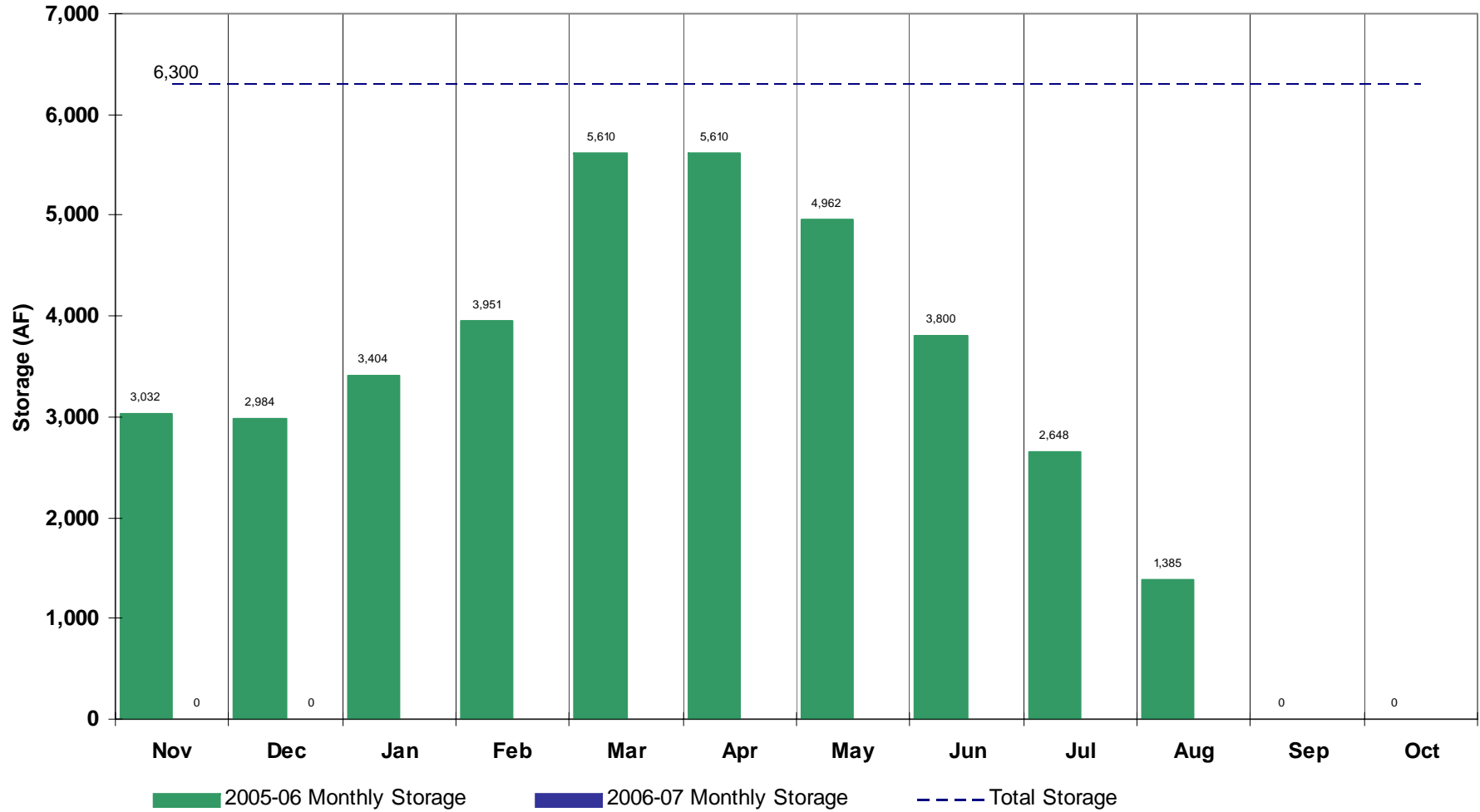


Horse Creek Reservoir

(Agricultural)

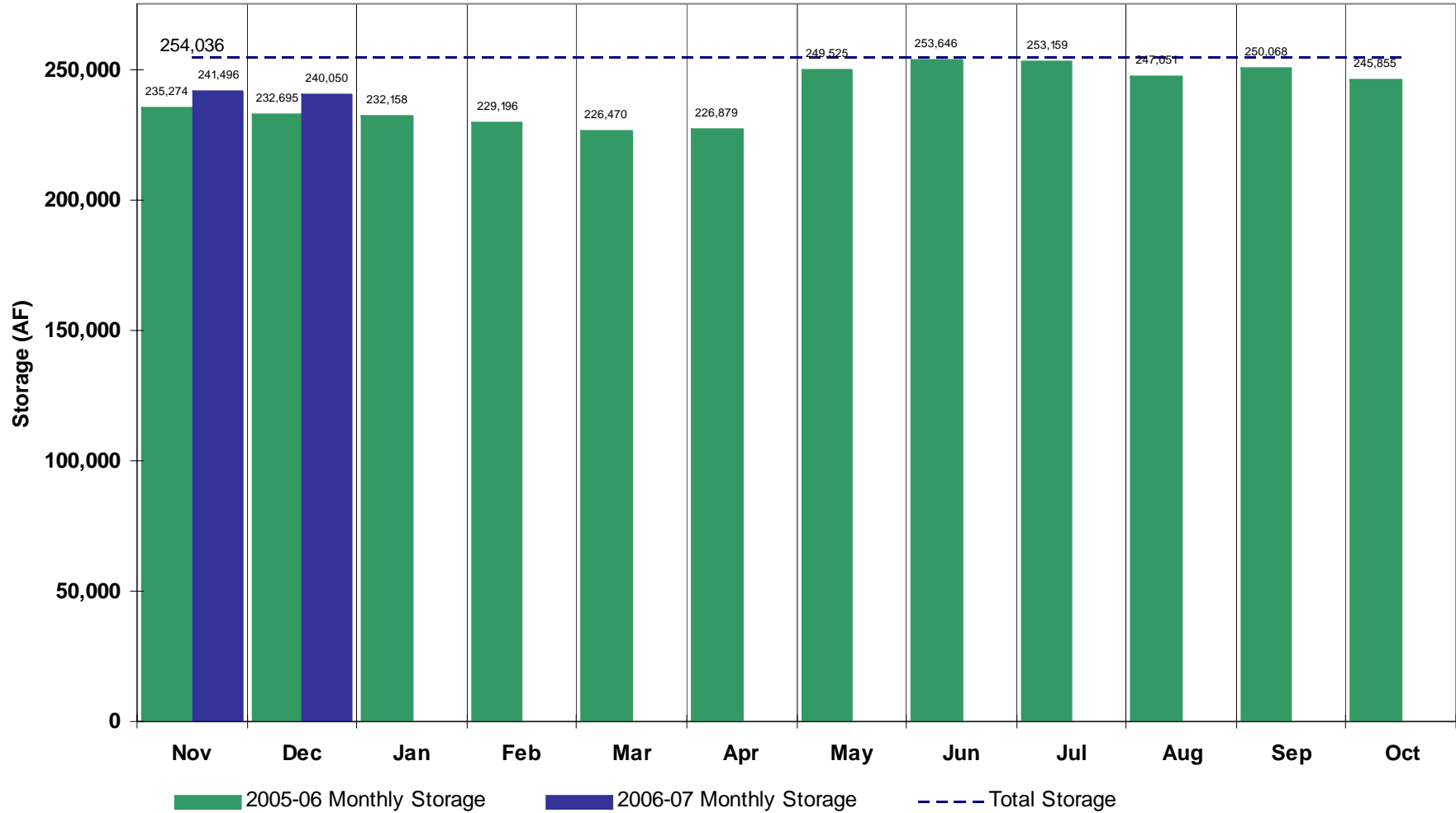


Prospect Reservoir (Agricultural)



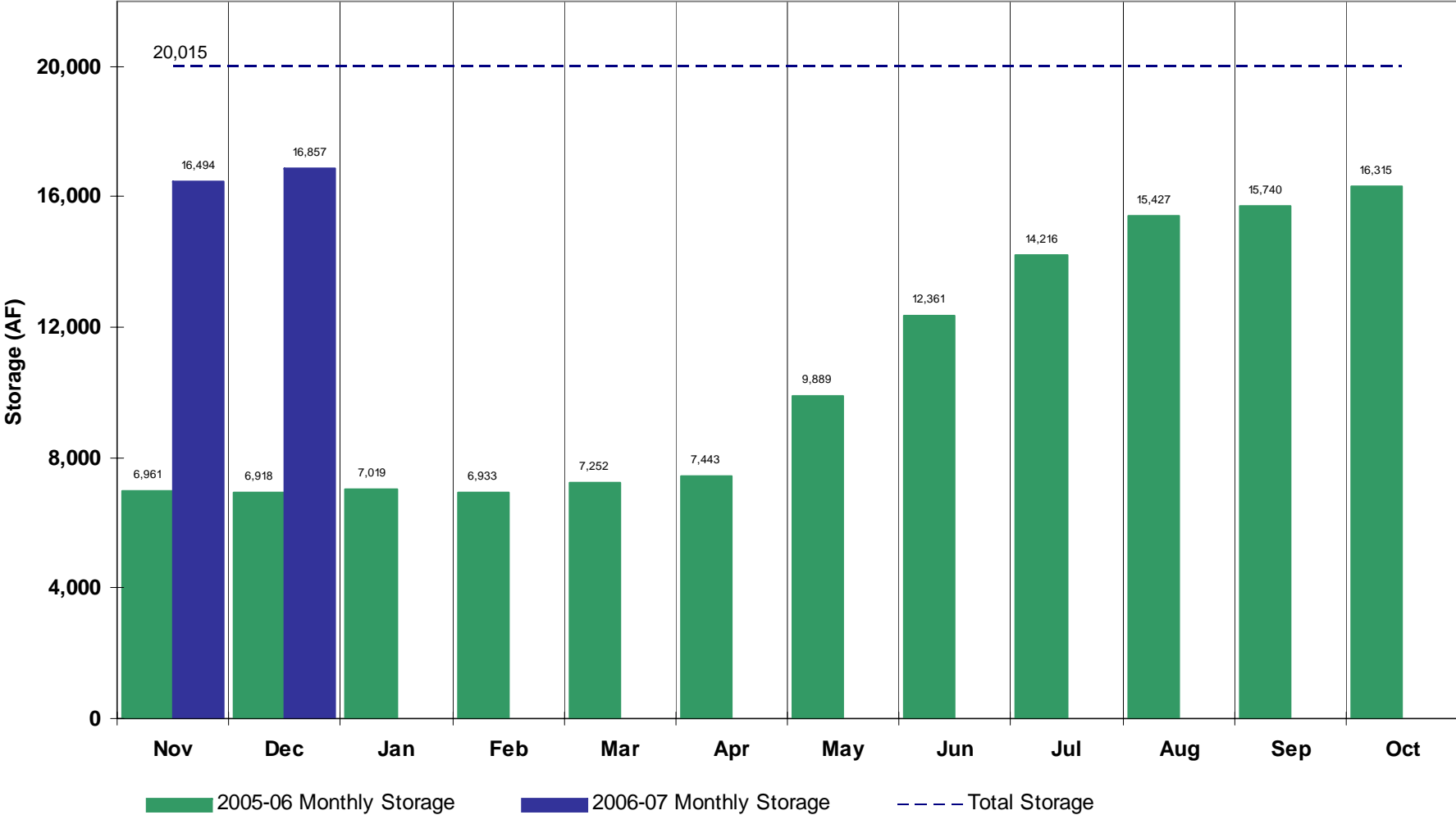
Dillon Reservoir

(Municipal)



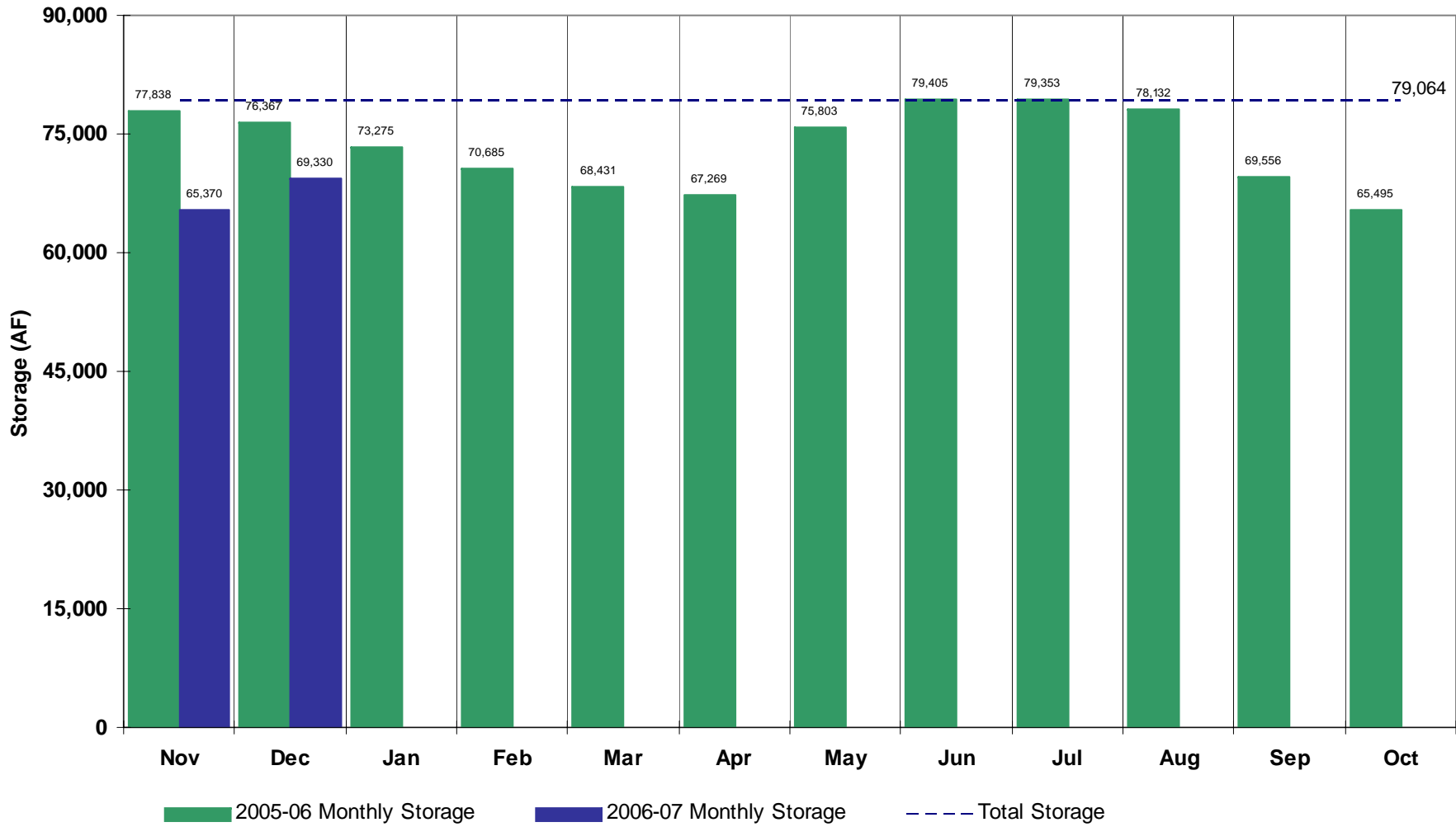
Antero Reservoir

(Municipal)

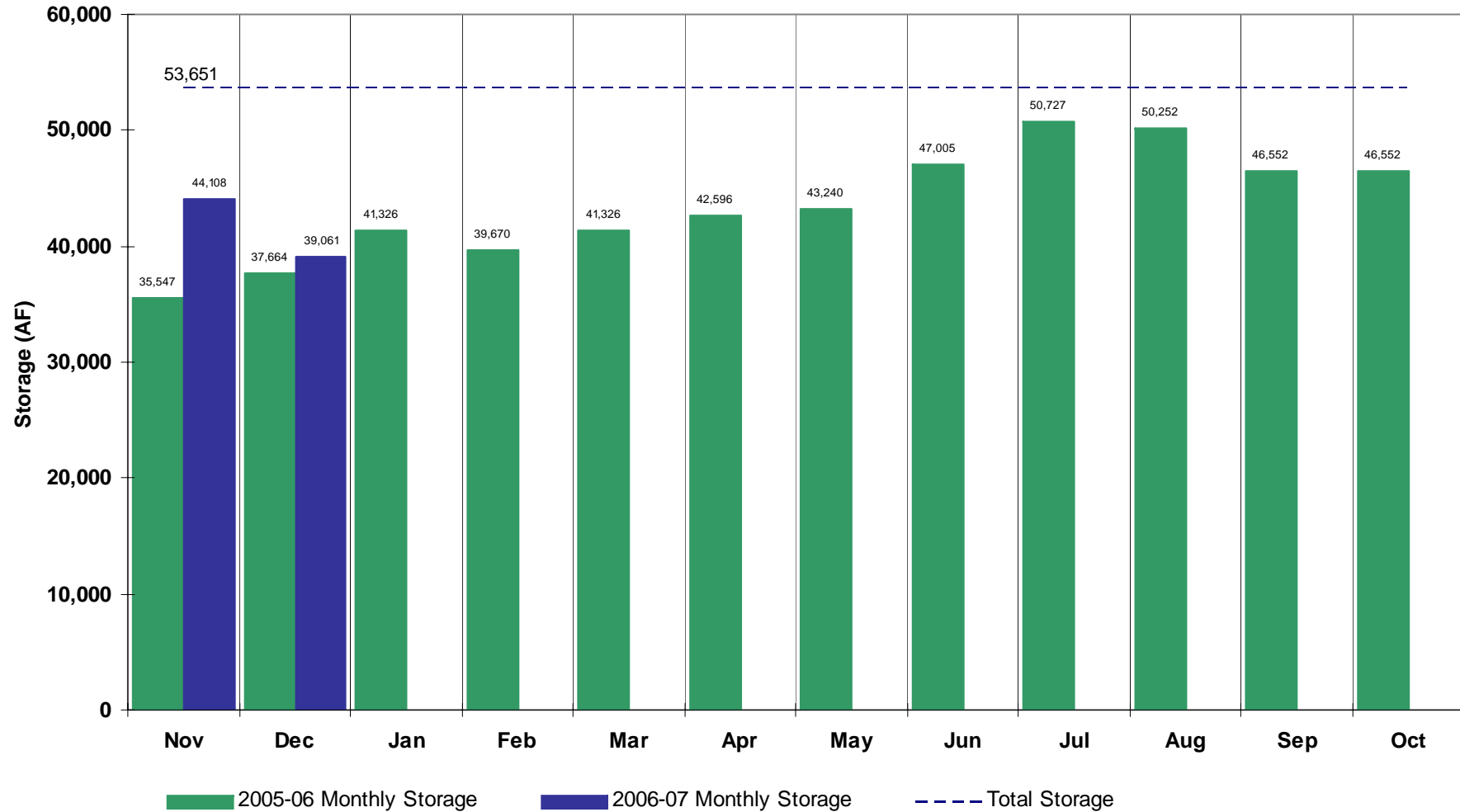


Cheesman Reservoir

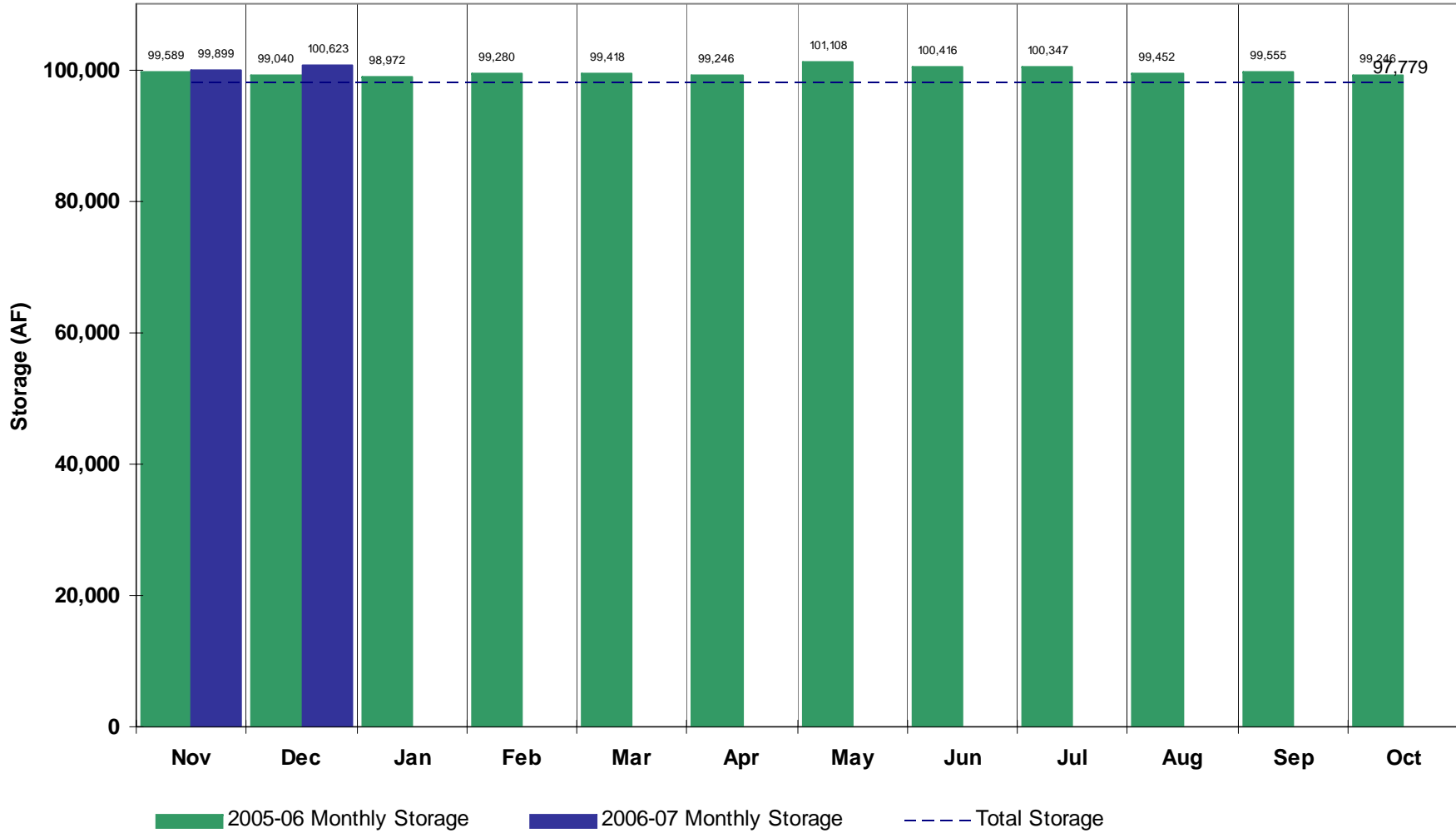
(Municipal)



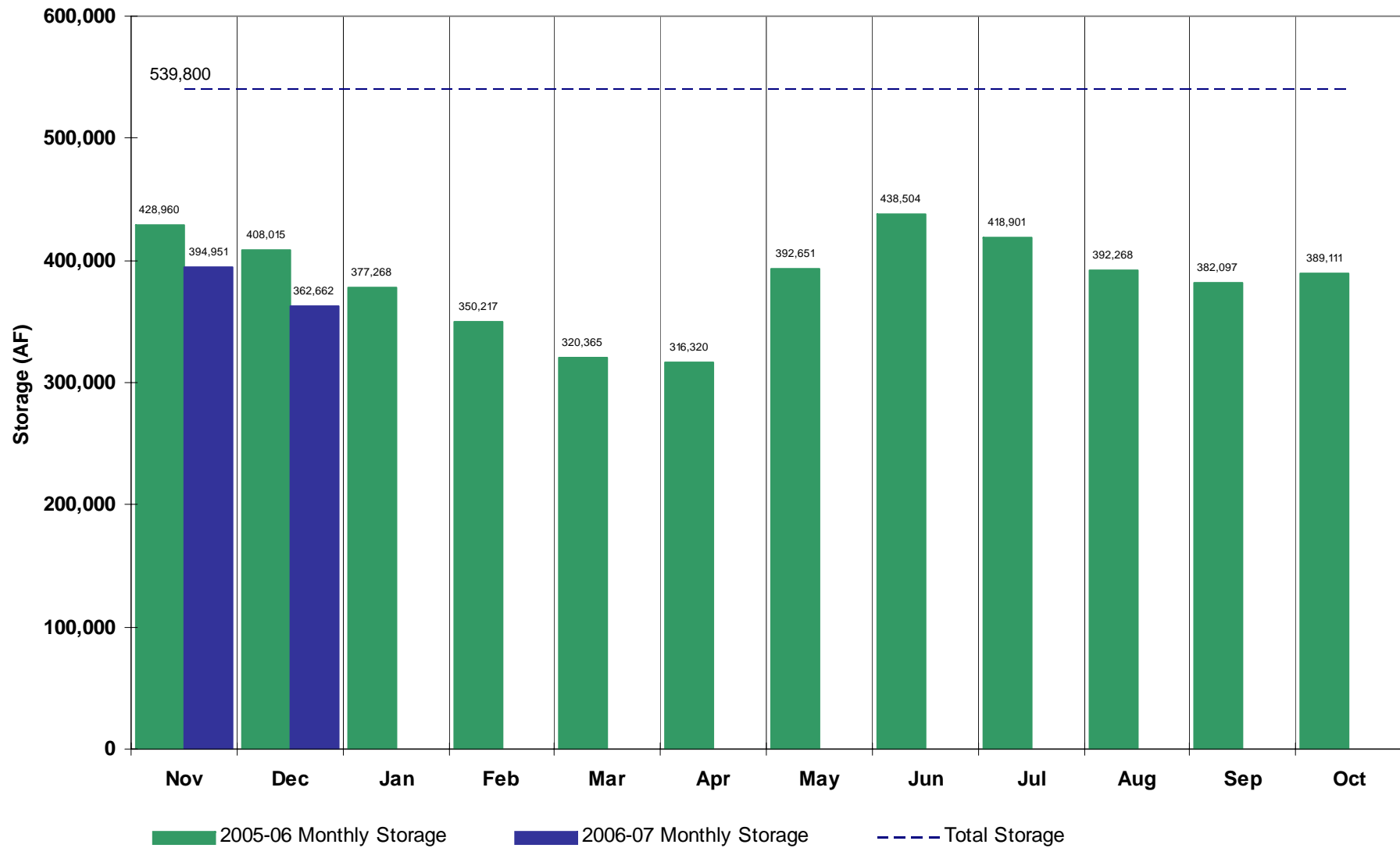
Spinney Mountain Reservoir (Municipal)



Eleven Mile Reservoir (Municipal)



Lake Granby



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



(Rocky Mountain National Park photo by David Ellington)