

A scenic view of a reservoir with snow-dusted mountains in the background. The mountains are covered in patches of snow and sparse evergreen trees. The sky is blue with some light clouds. The water in the foreground is calm, reflecting the surrounding landscape.

South Platte Summary

December 2004

By Claudia Engelmann
Colorado Division of Water Resources

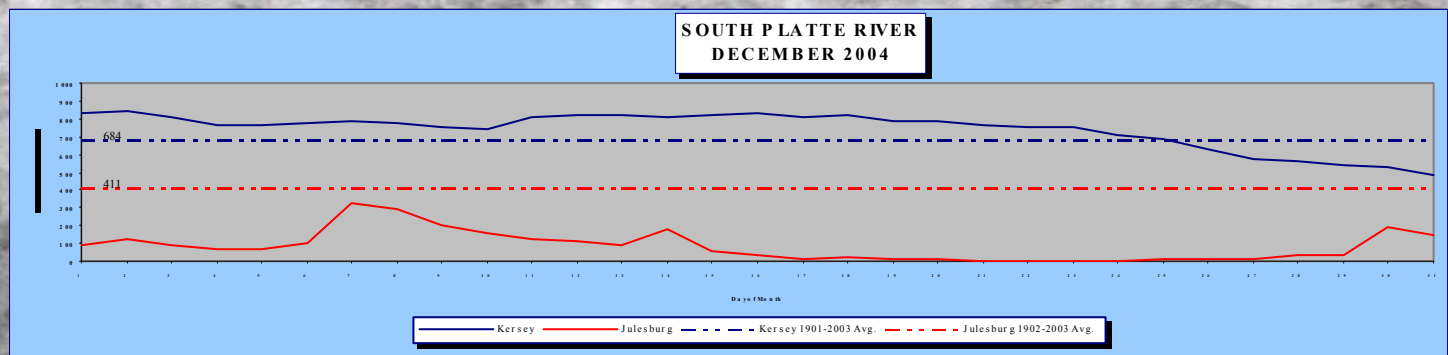
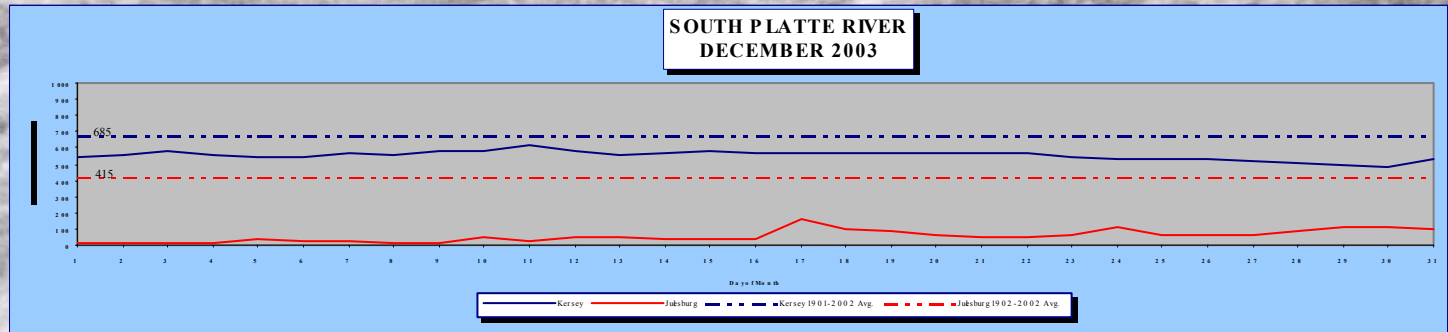
Horsetooth Reservoir

COLORADO DIVISION OF WATER RESOURCES, DIVISION 1

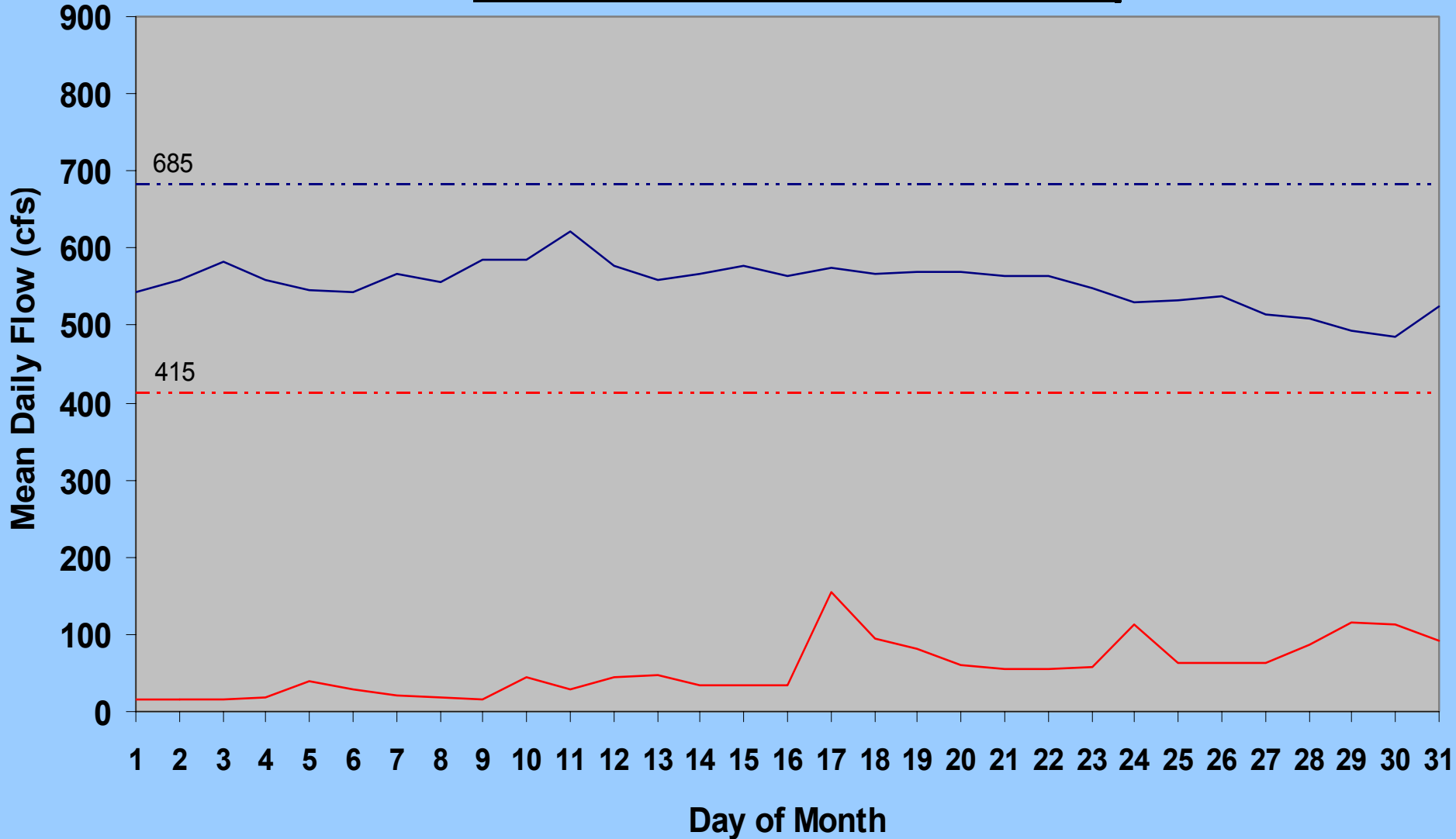
MONTH OF DECEMBER 2004

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	12,900	15,850	64	2,950	23%	70%	81%	0
N STERLING	73,730	29,770	41,240	64	11,470	39%	56%	39%	0
PREWITT	28,500	16,960	19,487	64	2,527	15%	68%	26%	0
JACKSON	27,257	14,023	23,440	1	9,417	67%	86%	91%	0
EMPIRE	37,700	7,417	12,233	1	4,816	65%	32%	30%	0
RIVERSIDE	63,113	33,723	43,900	1	10,177	30%	70%	50%	0
BARR LAKE	31,652	20,440	21,745	2	1,305	6%	69%	67%	0
CHEESMAN	79,064	66,929	68,207	80	1,278	2%	86%	76%	0
ELEVEN MILE	97,779	97,169	98,391	23	1,222	1%	100%	72%	612
SPINNEY	53,651	22,947	18,620	23	-4,327	-19%	35%	59%	0
ANTERO	20,015	106	400	23	294	277%	2%	0%	0

RIVER GAGES	MEAN DAILY FLOW (CFS)
KERSEY	738
JULESBURG	84
THIS MONTH LAST YEAR	
KERSEY	554
JULESBURG	56
MEAN FOR PERIOD OF RECORD*	
KERSEY	684
JULESBURG	411
* 1901-2003	
1902-2003	

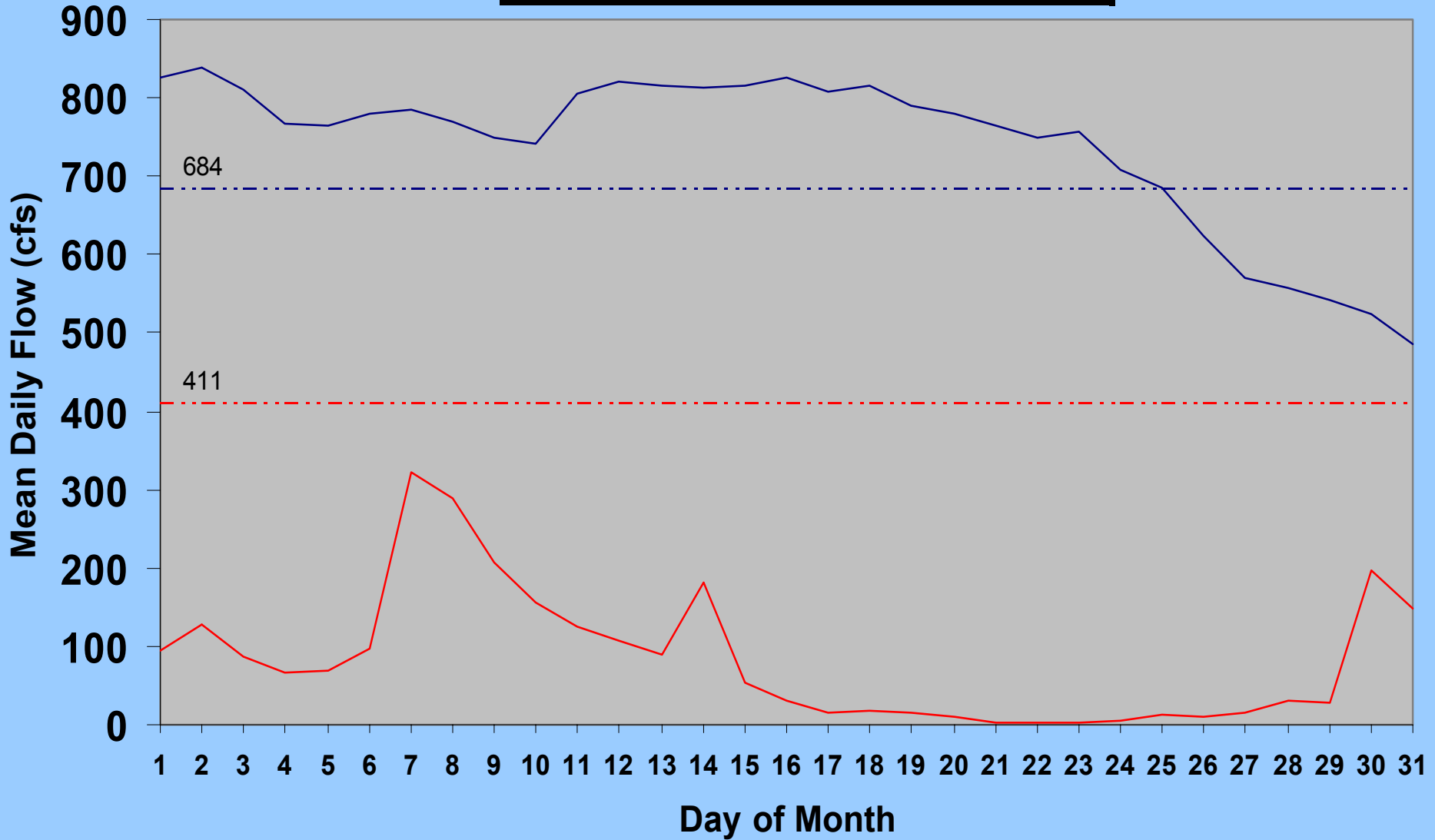


SOUTH PLATTE RIVER DECEMBER 2003



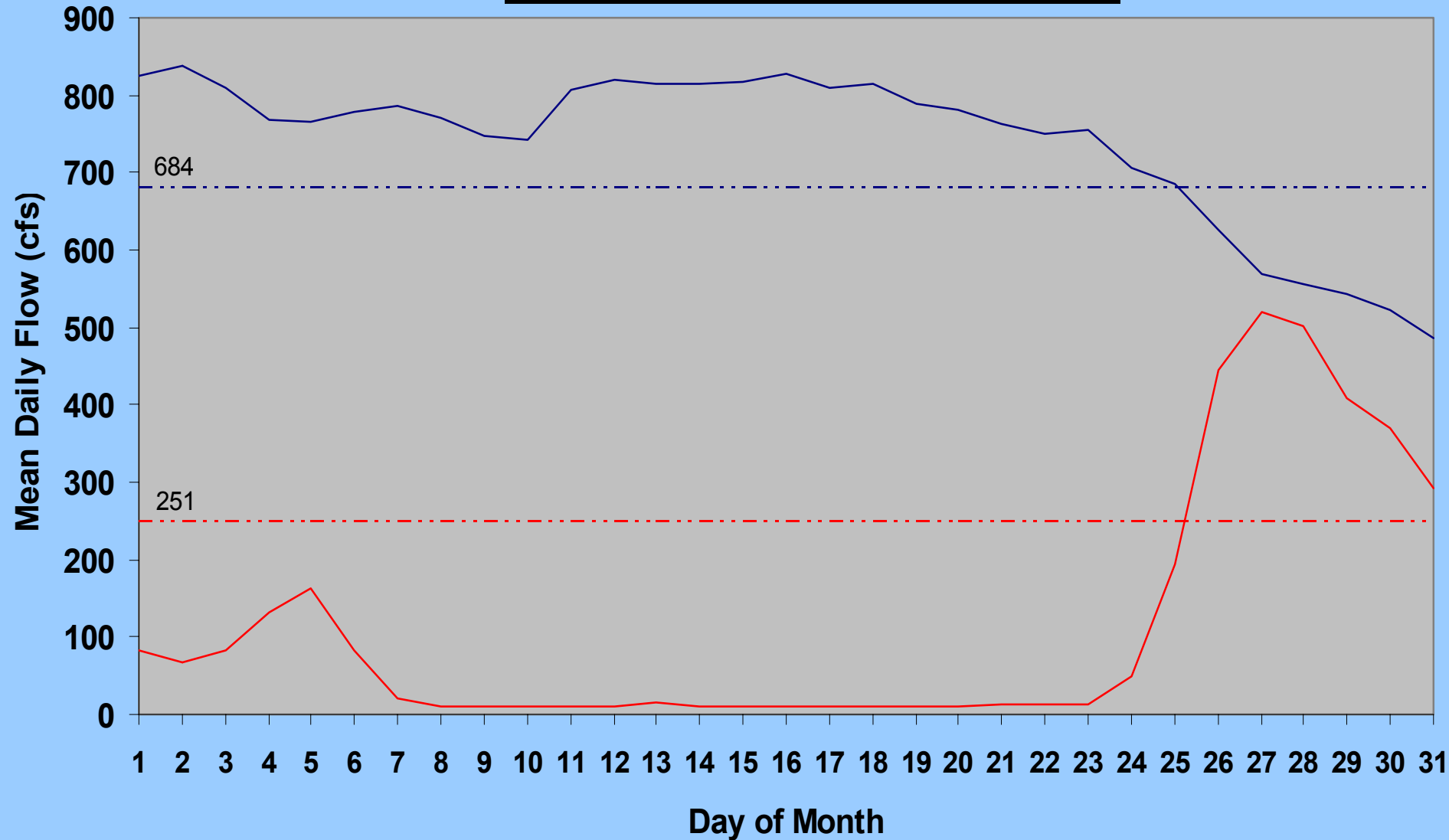
— Kersey — Julesburg - - - Kersey 1901-2002 Avg. - - - Julesburg 1902-2002 Avg.

SOUTH PLATTE RIVER DECEMBER 2004



— Kersey — Julesburg - - - Kersey 1901-2003 Avg. - - - Julesburg 1902-2003 Avg.

KERSEY and BALZAC DECEMBER 2004



— Kersey — Balzac - · - · Kersey 1901-2003 Avg. - · - · Balzac 1917-2003 Avg.

South Platte River Monthly Stream Flow (cfs) Statistics

South Platte River at Kersey

South Platte River at Julesburg

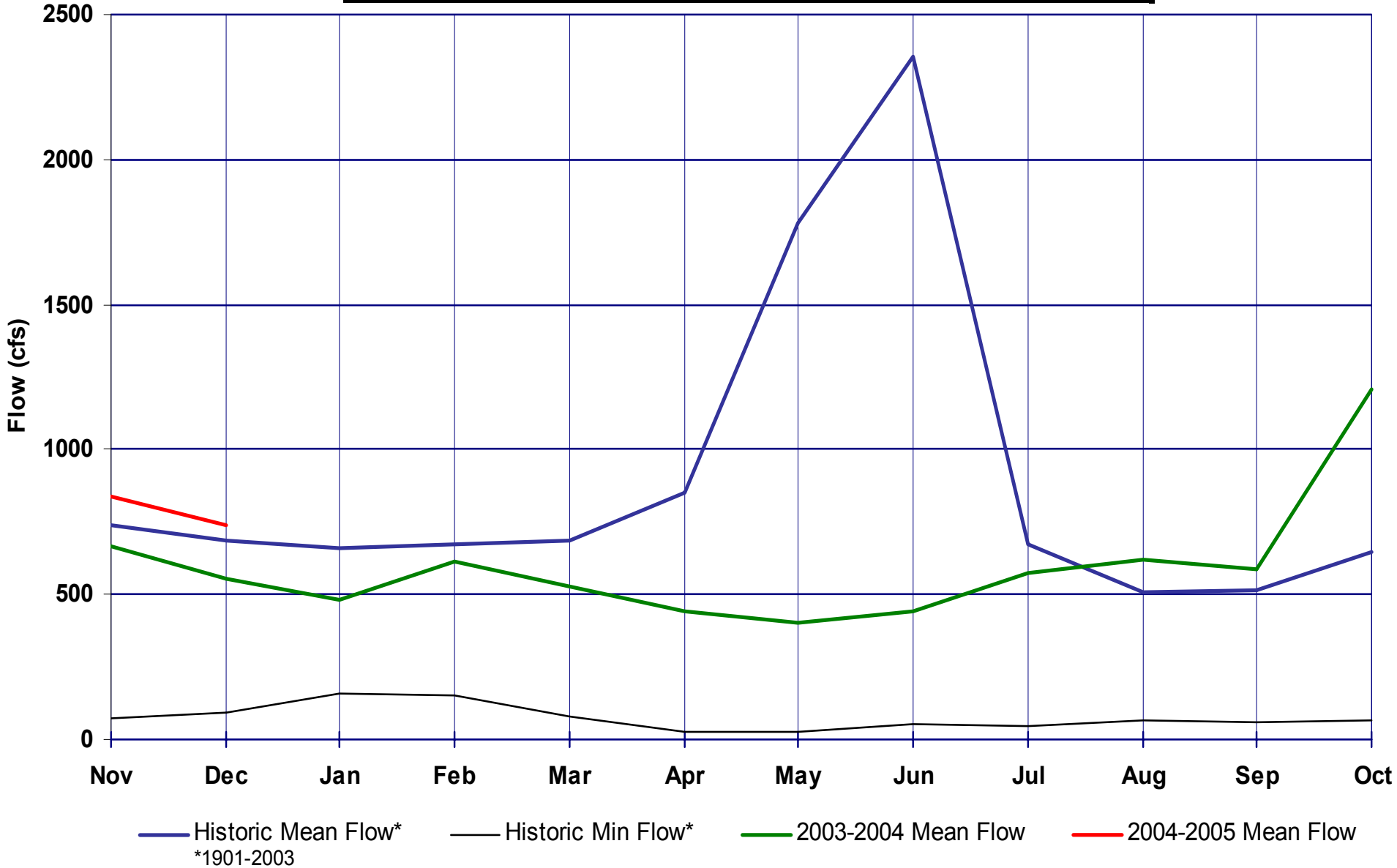
	Historic* Mean Flow	Historic* Max Flow	Year	Historic* Min Flow	Year	IY 2005 Mean Monthly Flow	Estimated Mean? (Y/N)		Historic* Mean Flow	Historic* Max Flow	Year	Historic* Min Flow	Year	IY 2005 Mean Monthly Flow	Estimated Mean? (Y/N)
Nov	736	3650	1985	70	1935	839	N	Nov	350	2900	1985	4.2	1904	28	N
Dec	684	1890	1962	91	1935	738	N	Dec	411	1820	1985	13	2003	84	N
Jan	658	2160	1974	158	1935			Jan	530	2510	1970	21	2003		
Feb	674	3060	1914	152	1935			Feb	609	3220	1930	39	2003		
Mar	688	3470	1983	80	1935			Mar	550	12900	1910	15	1904		
Apr	853	18100	1942	28	1955			Apr	545	14400	1942	4	1904		
May	1780	26100	1973	29	1955			May	1054	18100	1973	12	1911		
Jun	2355	31000	1921	52	1954			Jun	1474	30800	1921	2	1910		
Jul	671	12600	1983	44	1955			Jul	303	12600	1983	0	1903		
Aug	505	9690	1951	65	1934			Aug	186	8920	1968	0	1903		
Sep	516	14200	1938	62	1940			Sep	247	7130	1938	2	1902		
Oct	648	6180	1985	66	1955			Oct	311	3130	1985	4.2	1904		

*Period of record 1901-2003

*Period of record 1902-2003

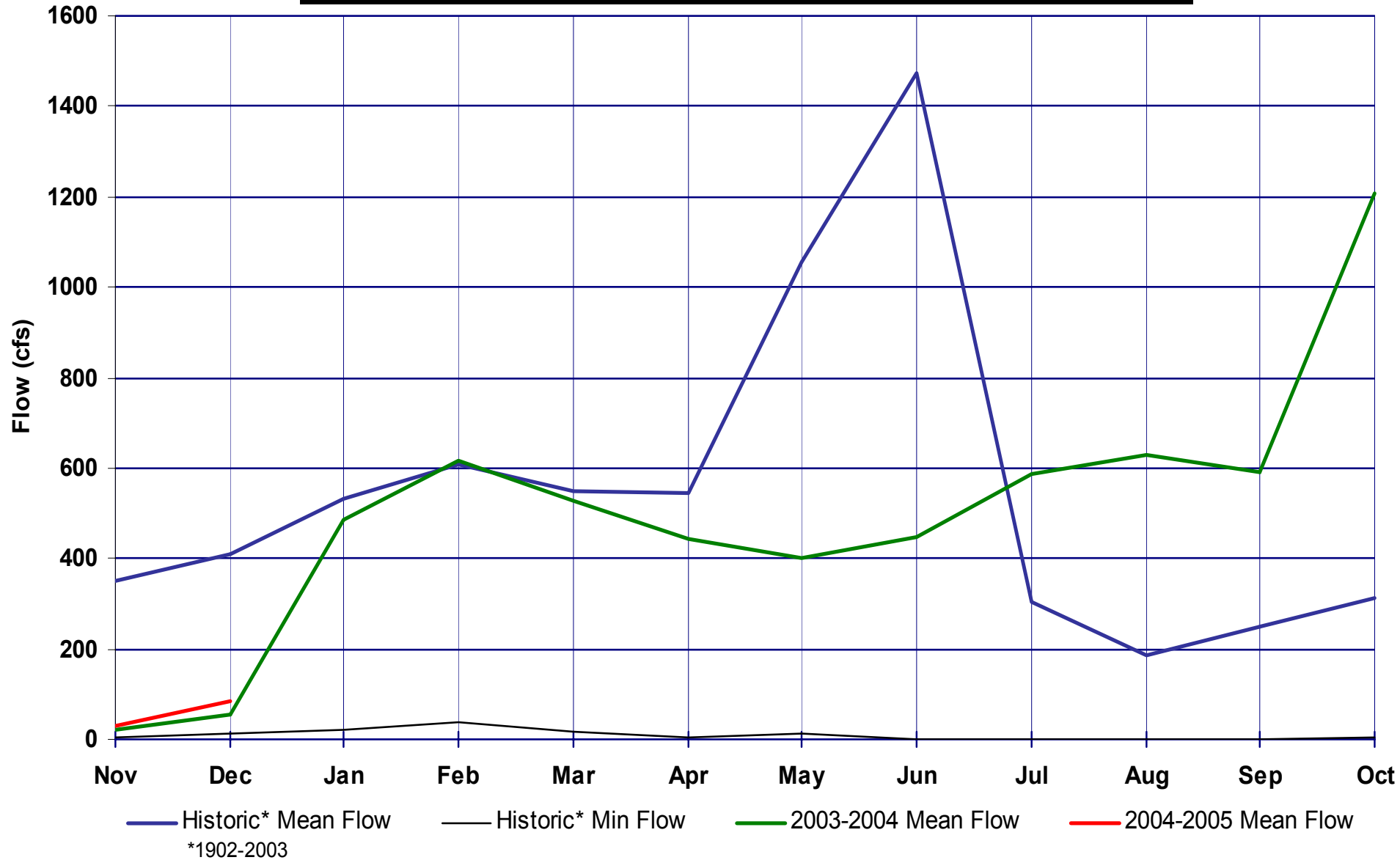
South Platte River at Kersey

Irrigation Water Year



South Platte River at Julesburg

Irrigation Water Year



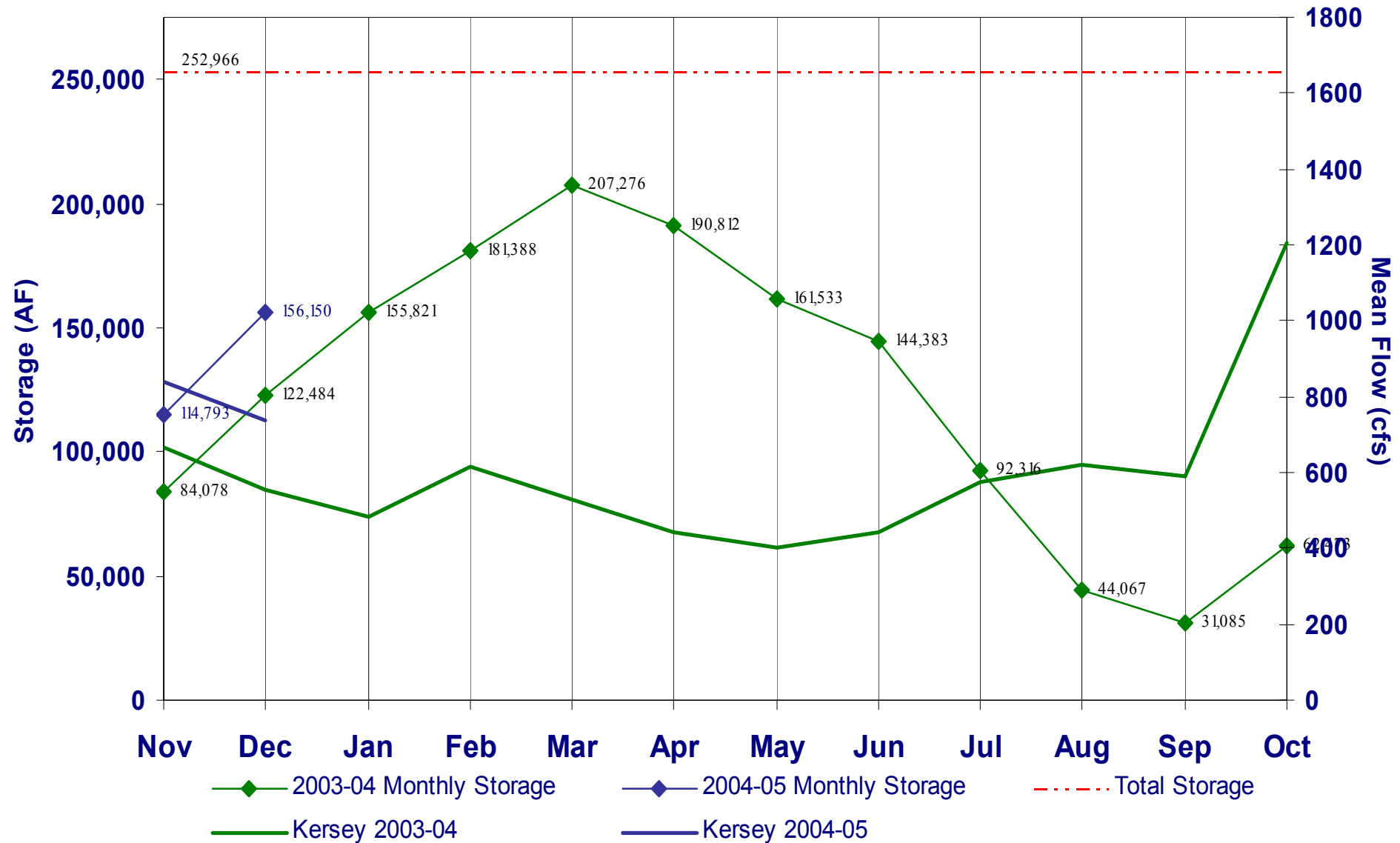
An aerial photograph of the Hansen Canal system in a winter setting. The canal, a long concrete-lined channel, winds through a valley covered in snow. In the foreground, a large concrete structure, likely a gate or powerhouse, is visible. Further up the canal, a smaller white building stands near a reservoir. The background features rolling hills and mountains, some with patches of snow, under a clear sky.

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

Hansen Canal

Reservoir Storage below Kersey

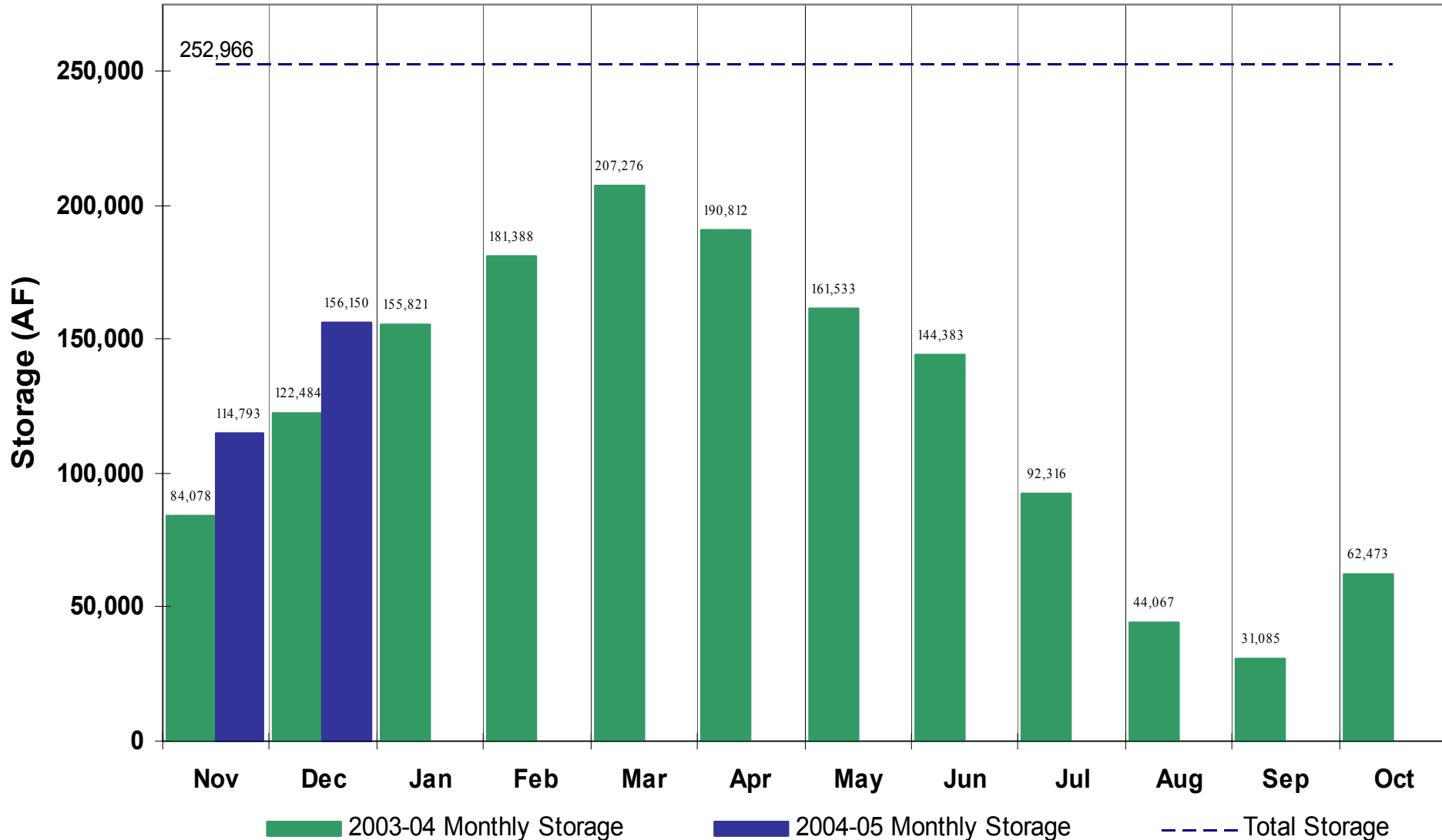
Selected Reservoirs*



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

South Platte Reservoirs

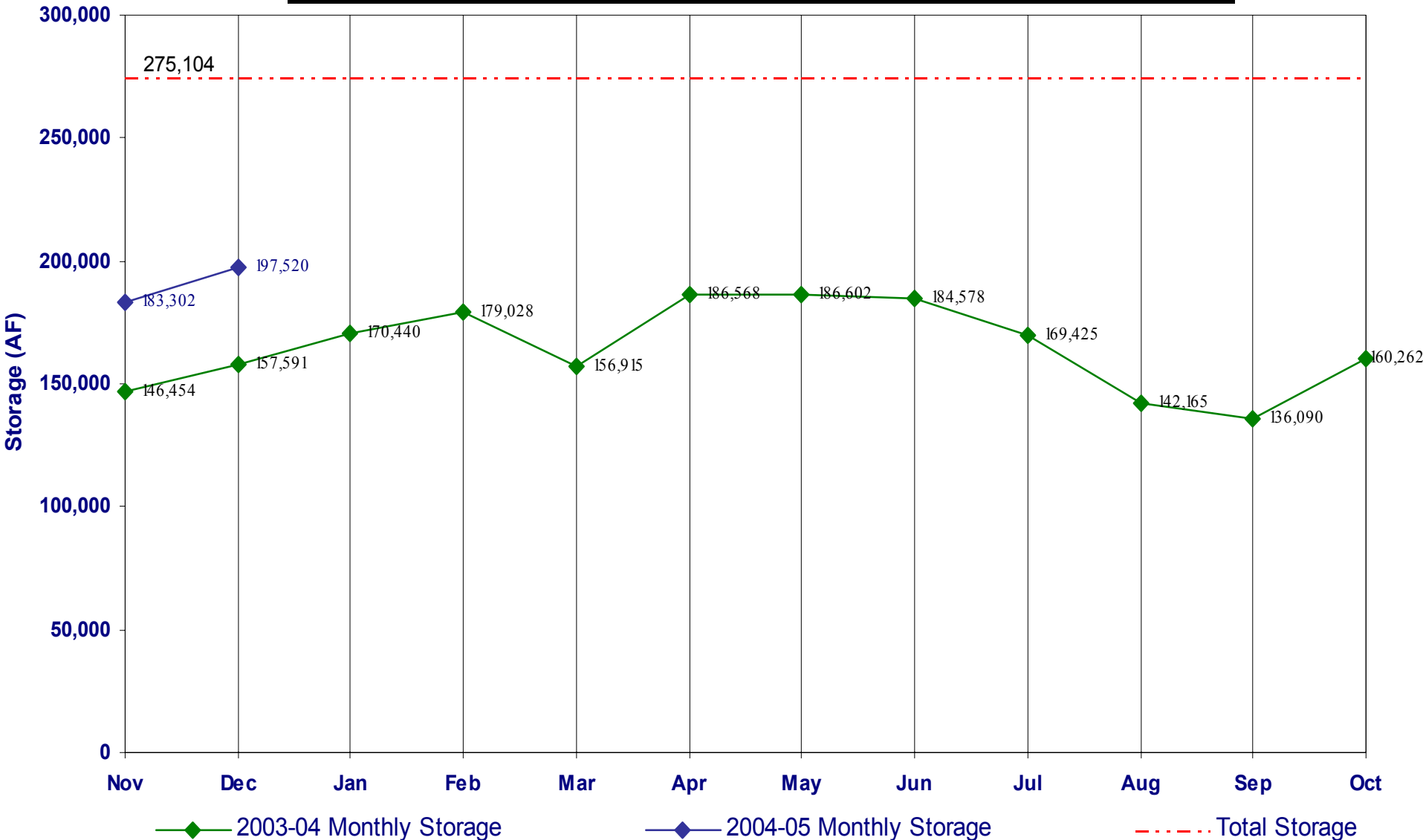
Storage below Kersey*



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

Reservoir Storage above Kersey

Selected Reservoirs*



—◆— 2003-04 Monthly Storage

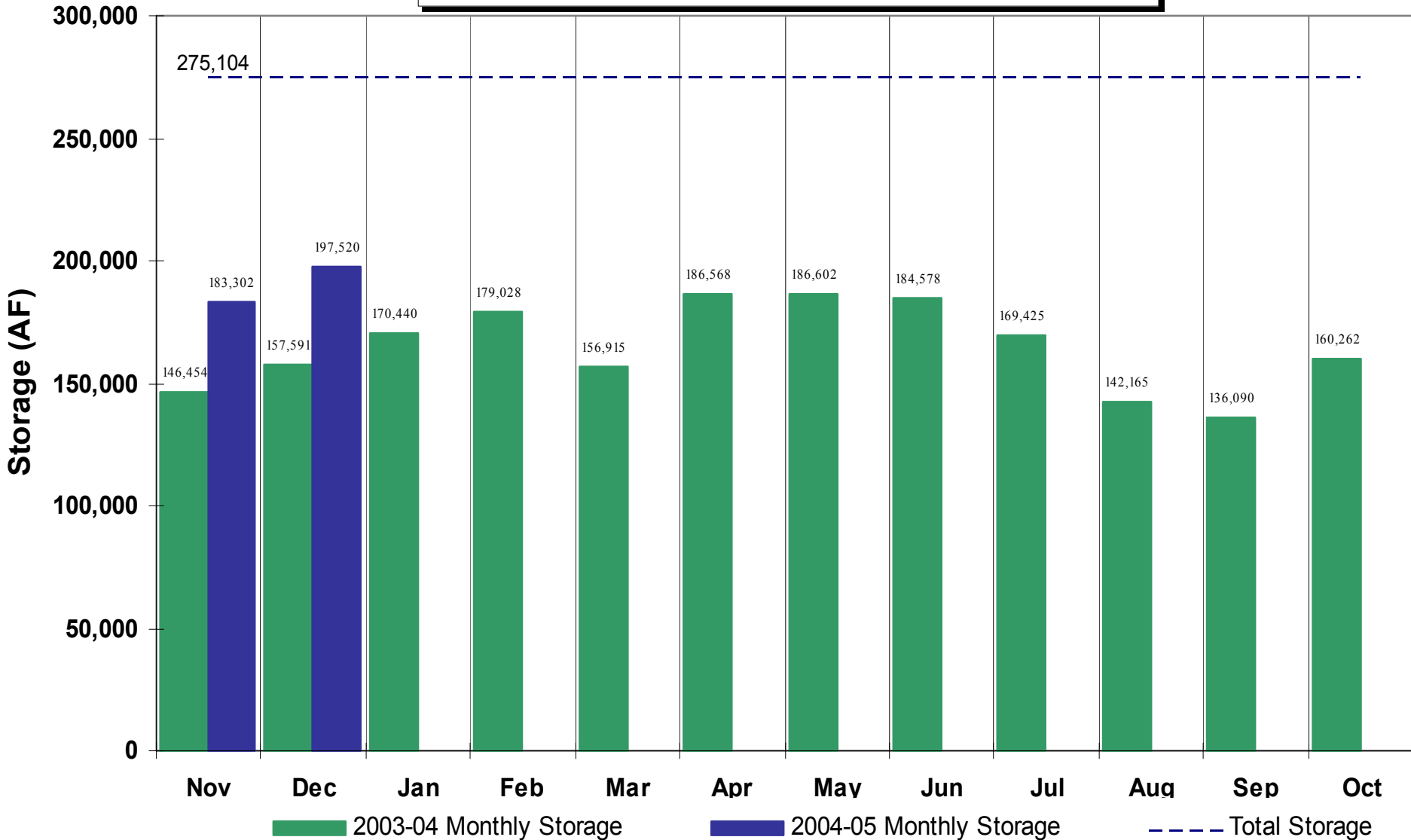
—◆— 2004-05 Monthly Storage

-.-.- Total Storage

*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

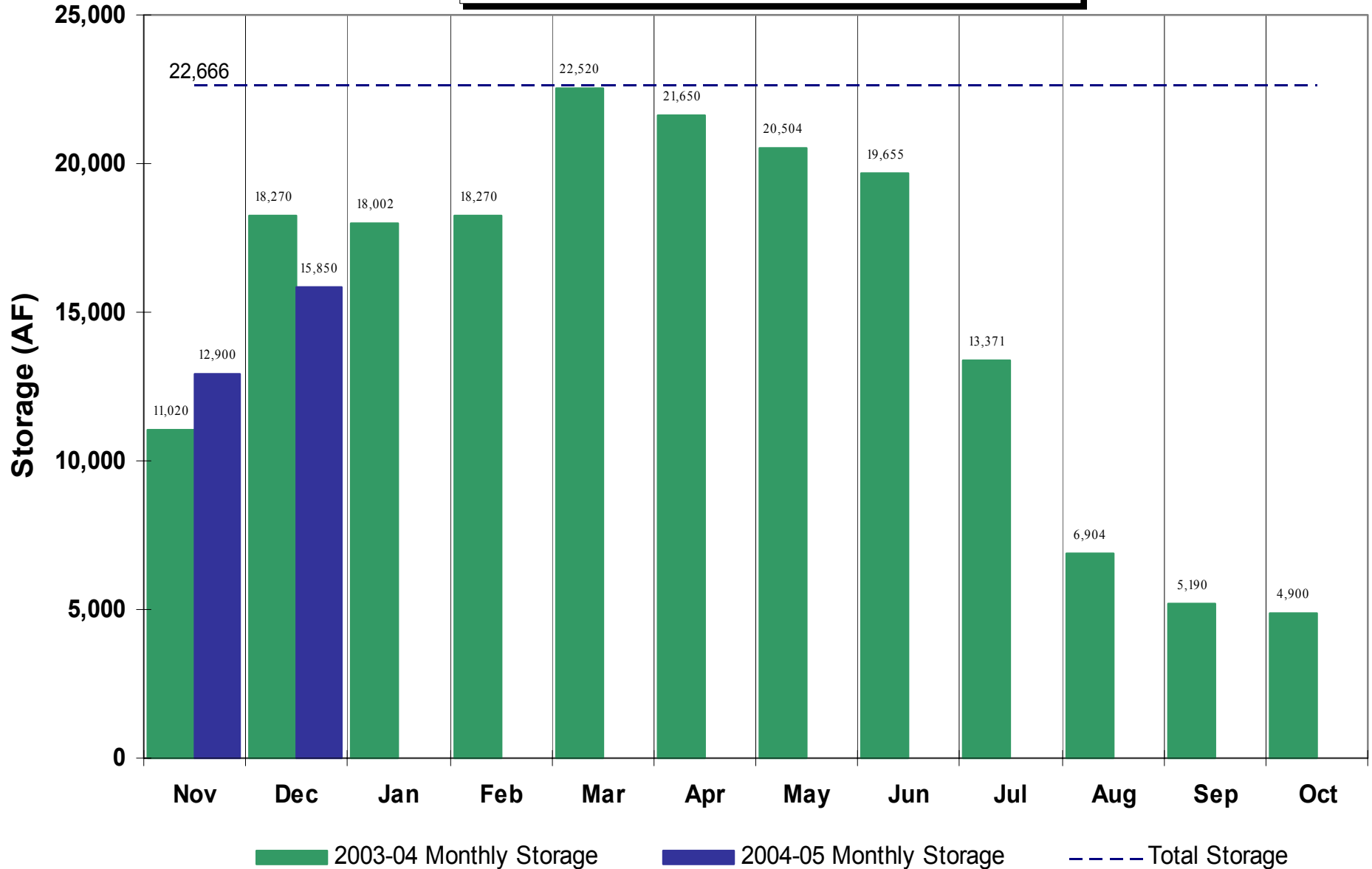
Individual Reservoir Storage Follows:



Horsetooth Rock

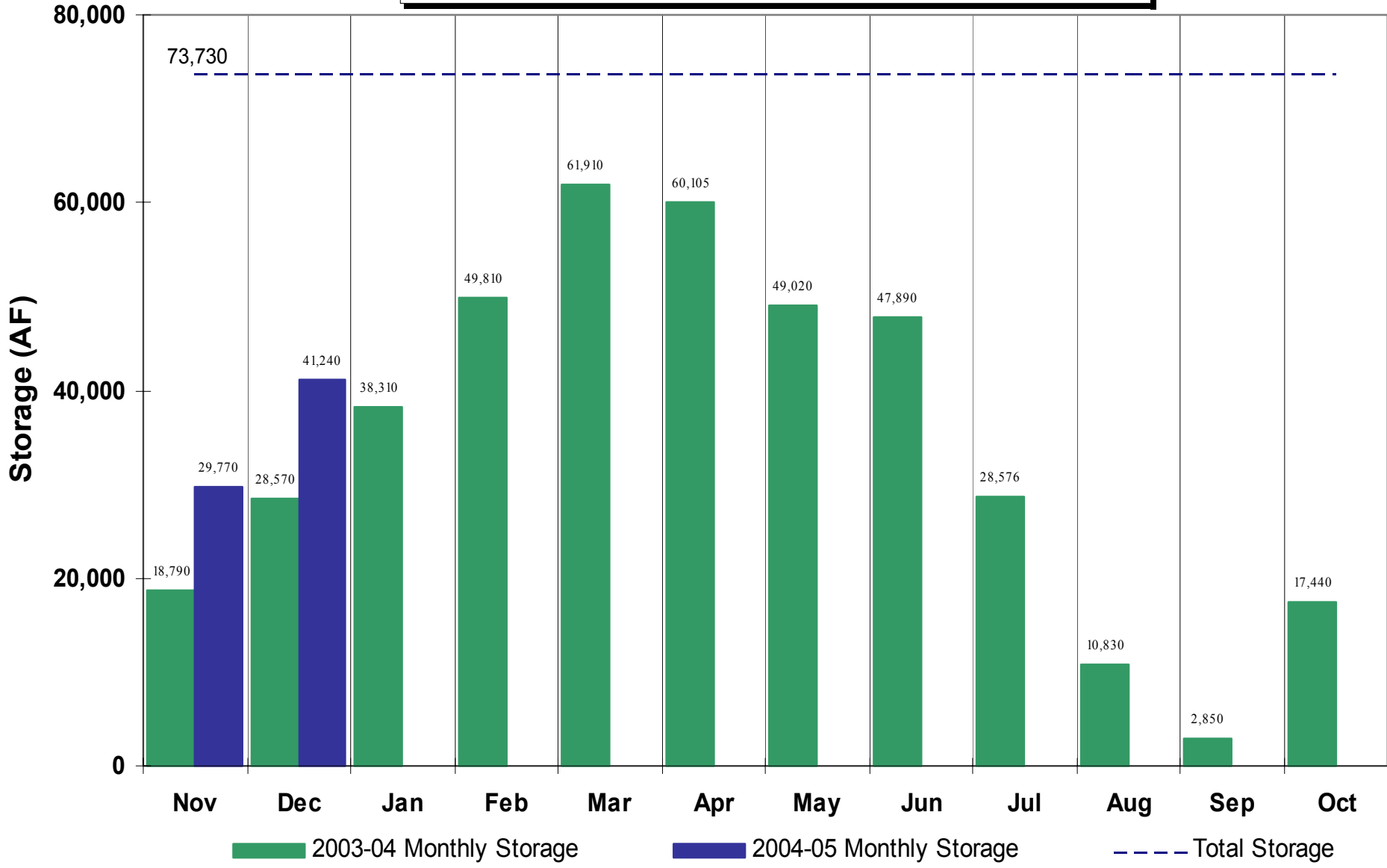
Julesburg Reservoir

(Agricultural)



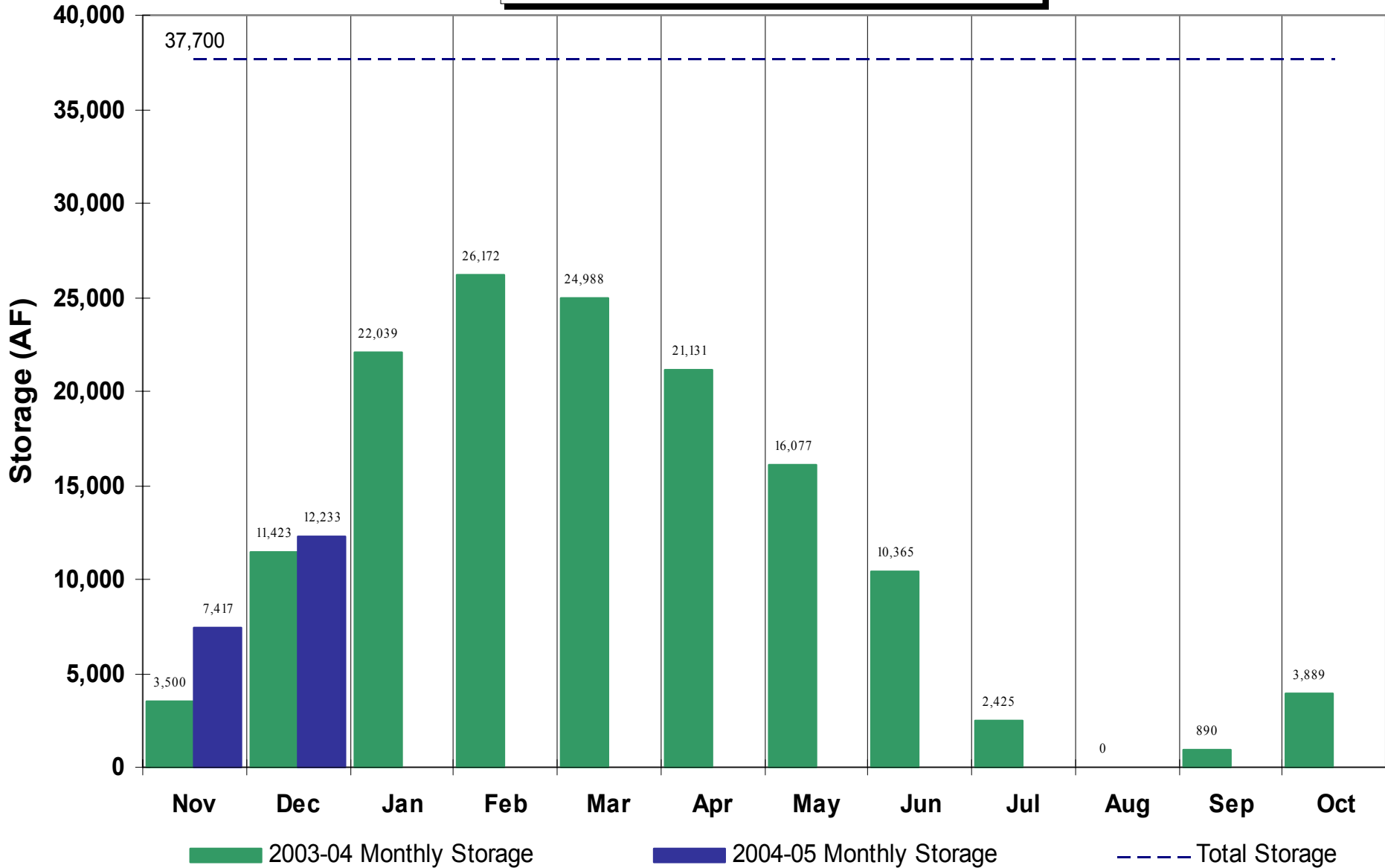
North Sterling Reservoir

(Agricultural)



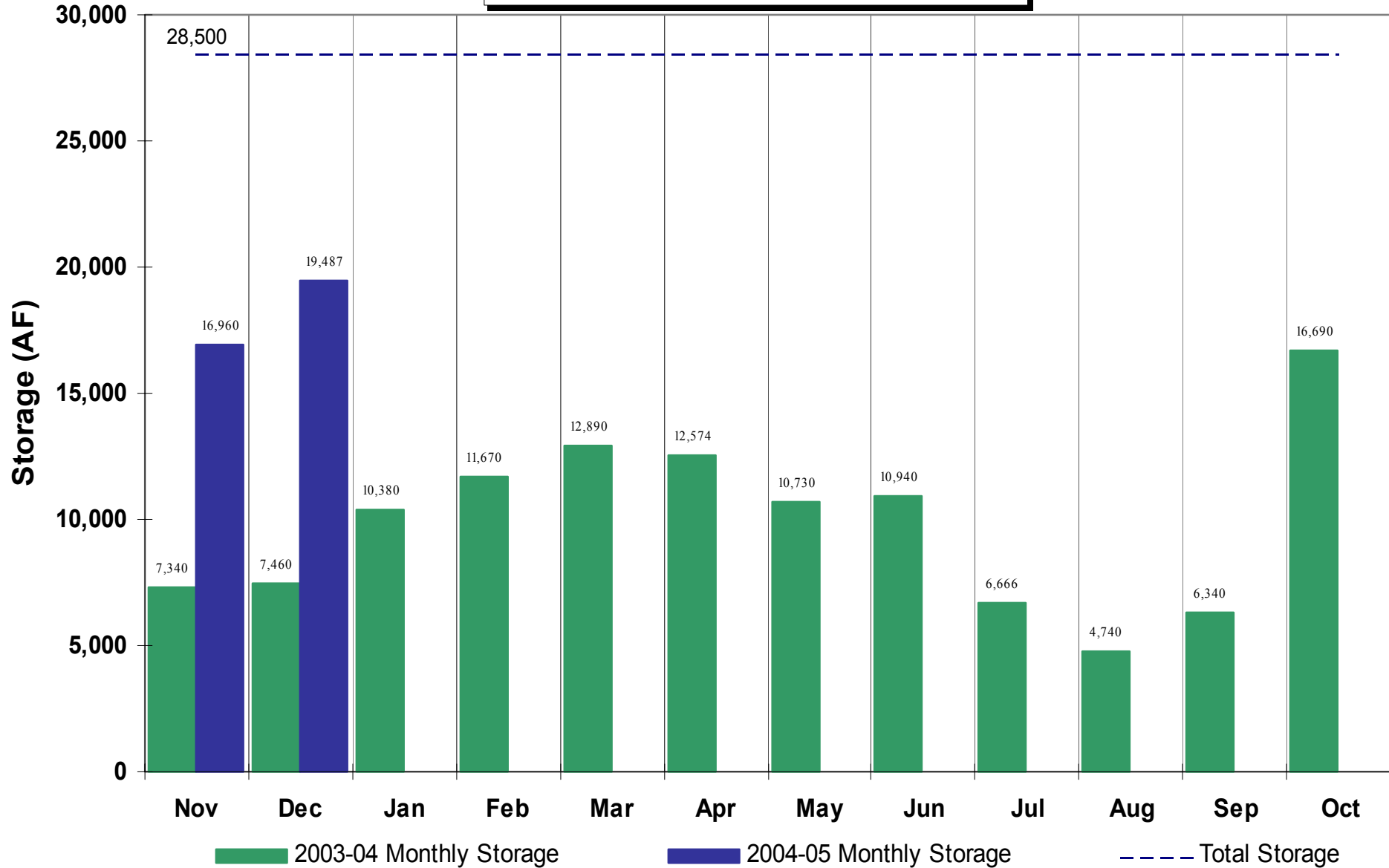
Empire Reservoir

(Agricultural)



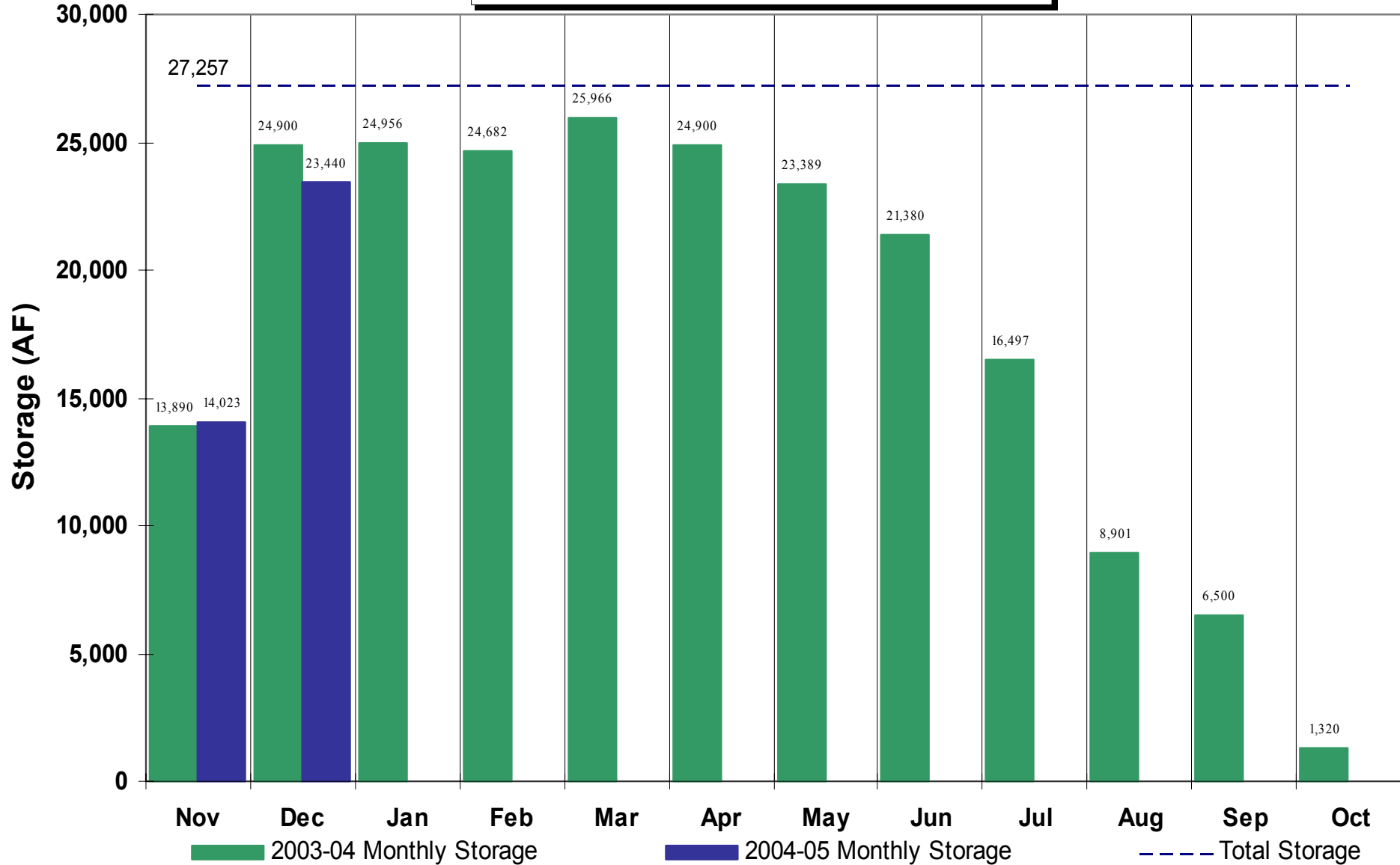
Prewitt Reservoir

(Agricultural)



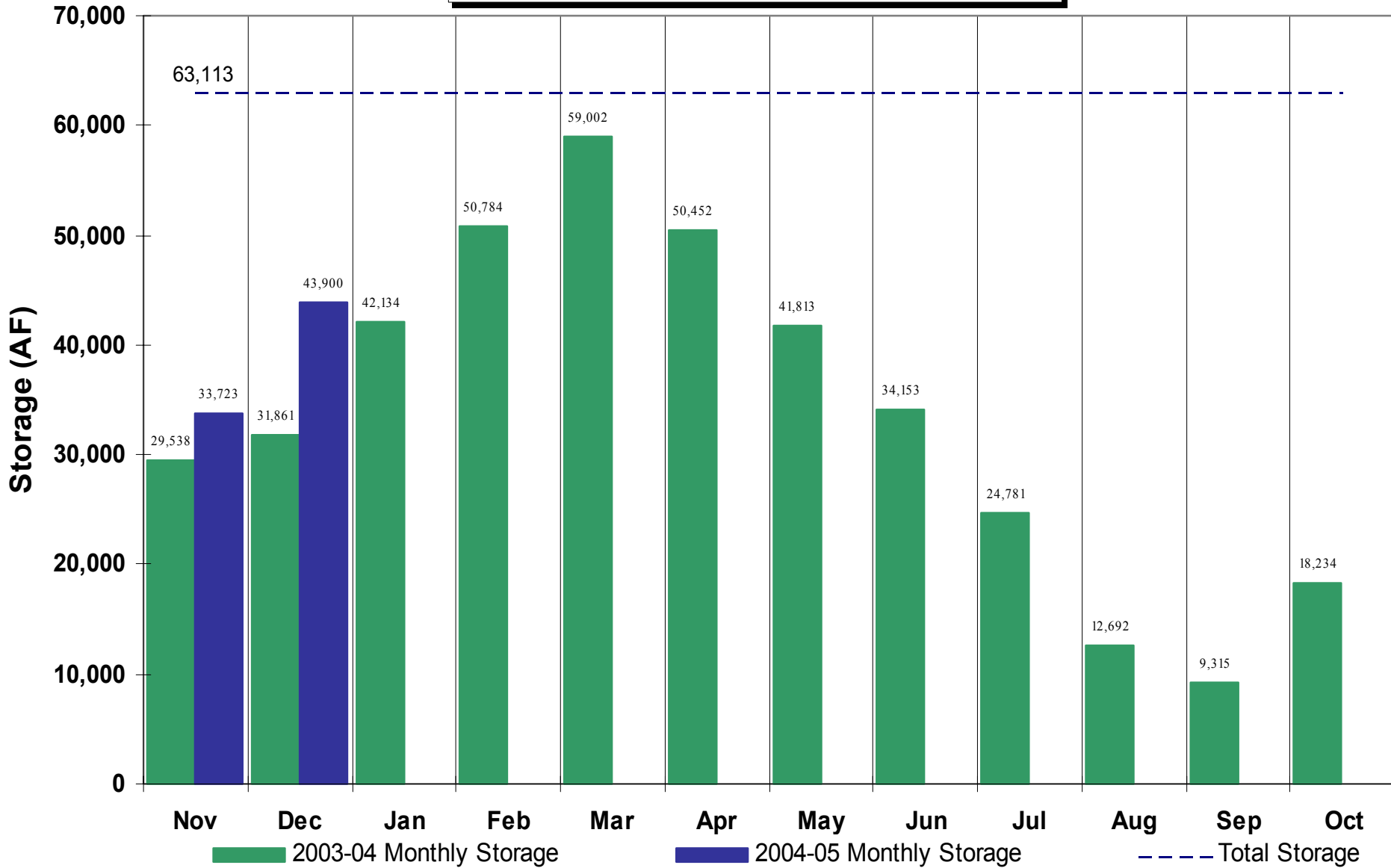
Jackson Reservoir

(Agricultural)



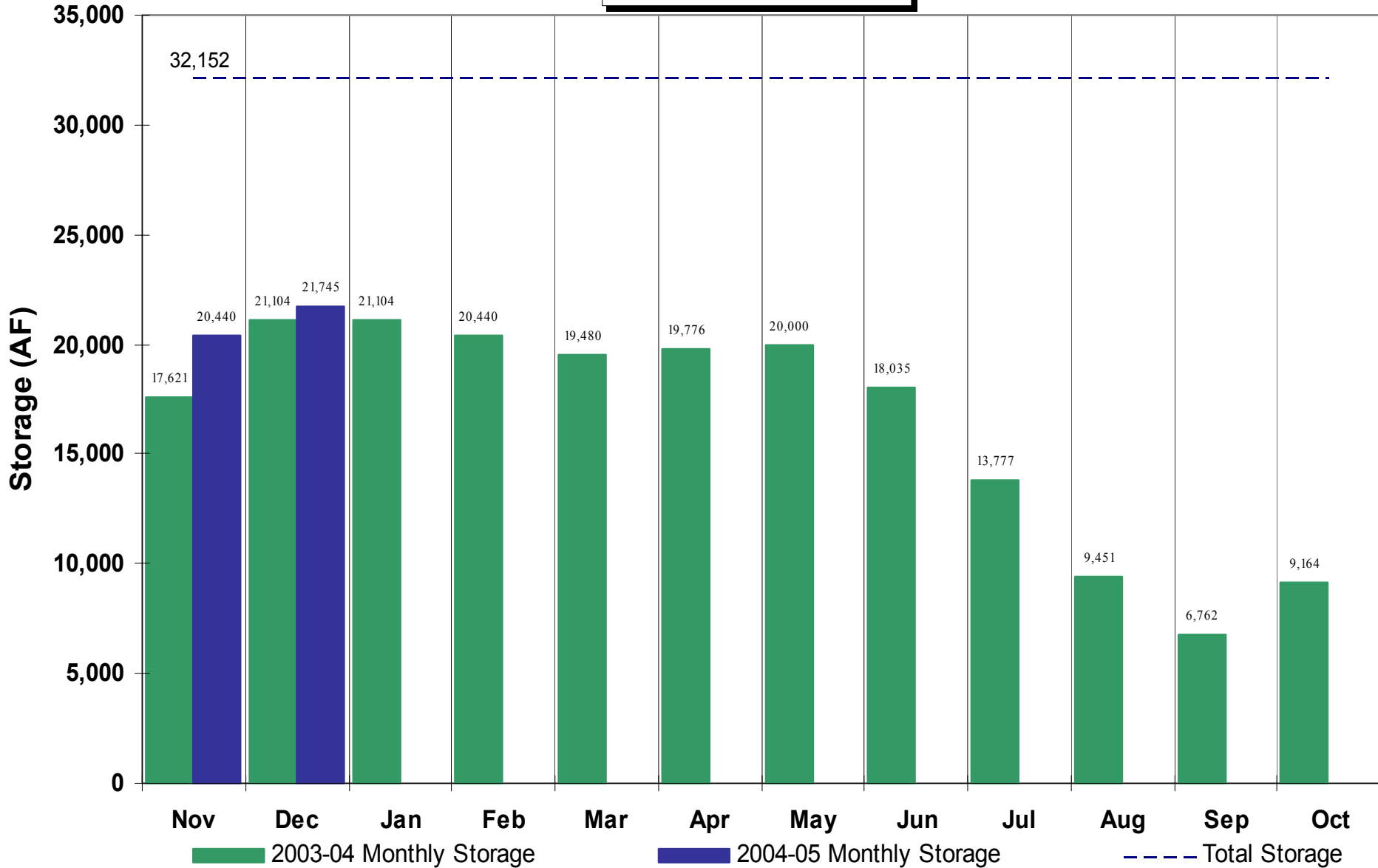
Riverside Reservoir

(Agricultural)



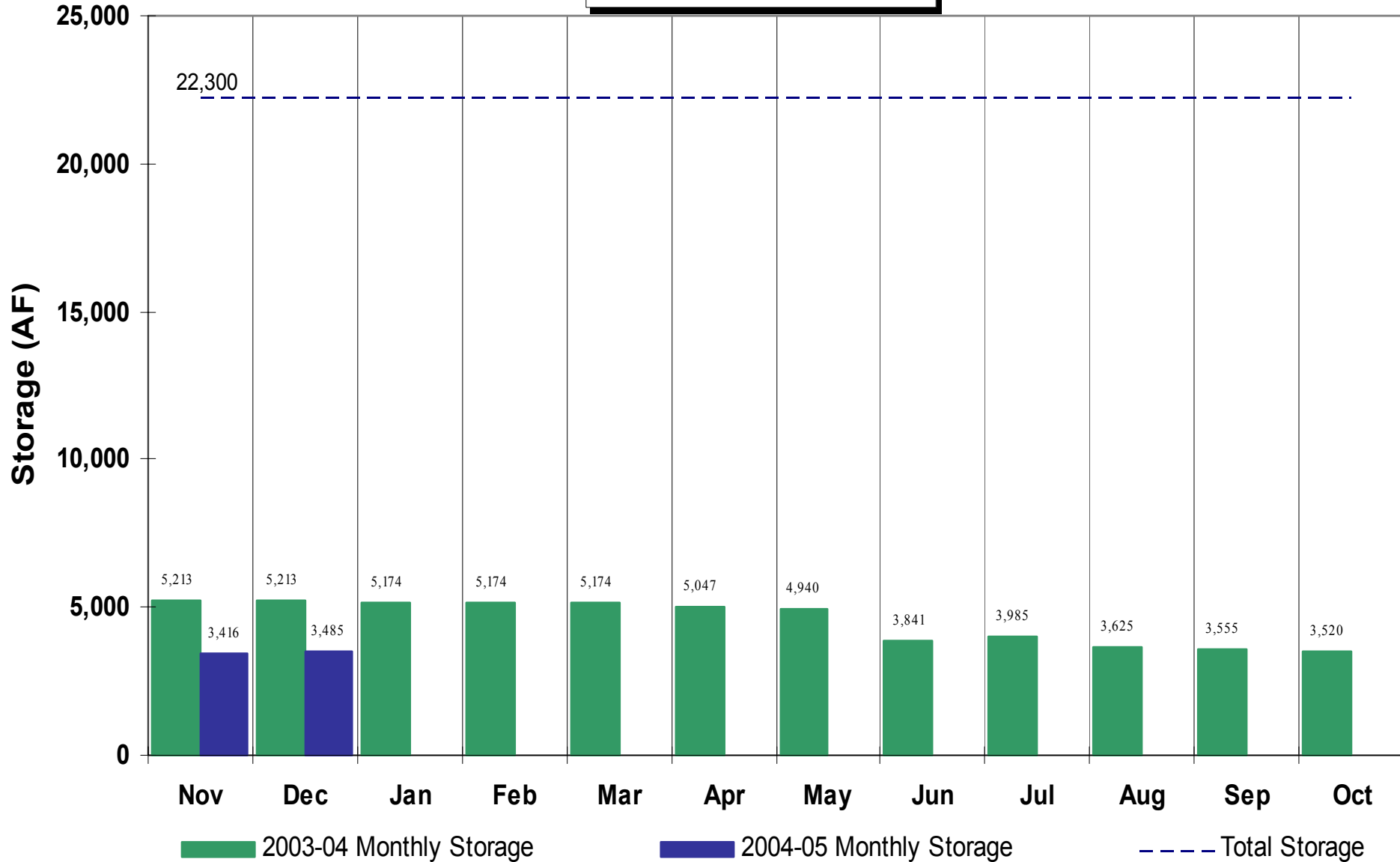
Barr Lake

(Agricultural)



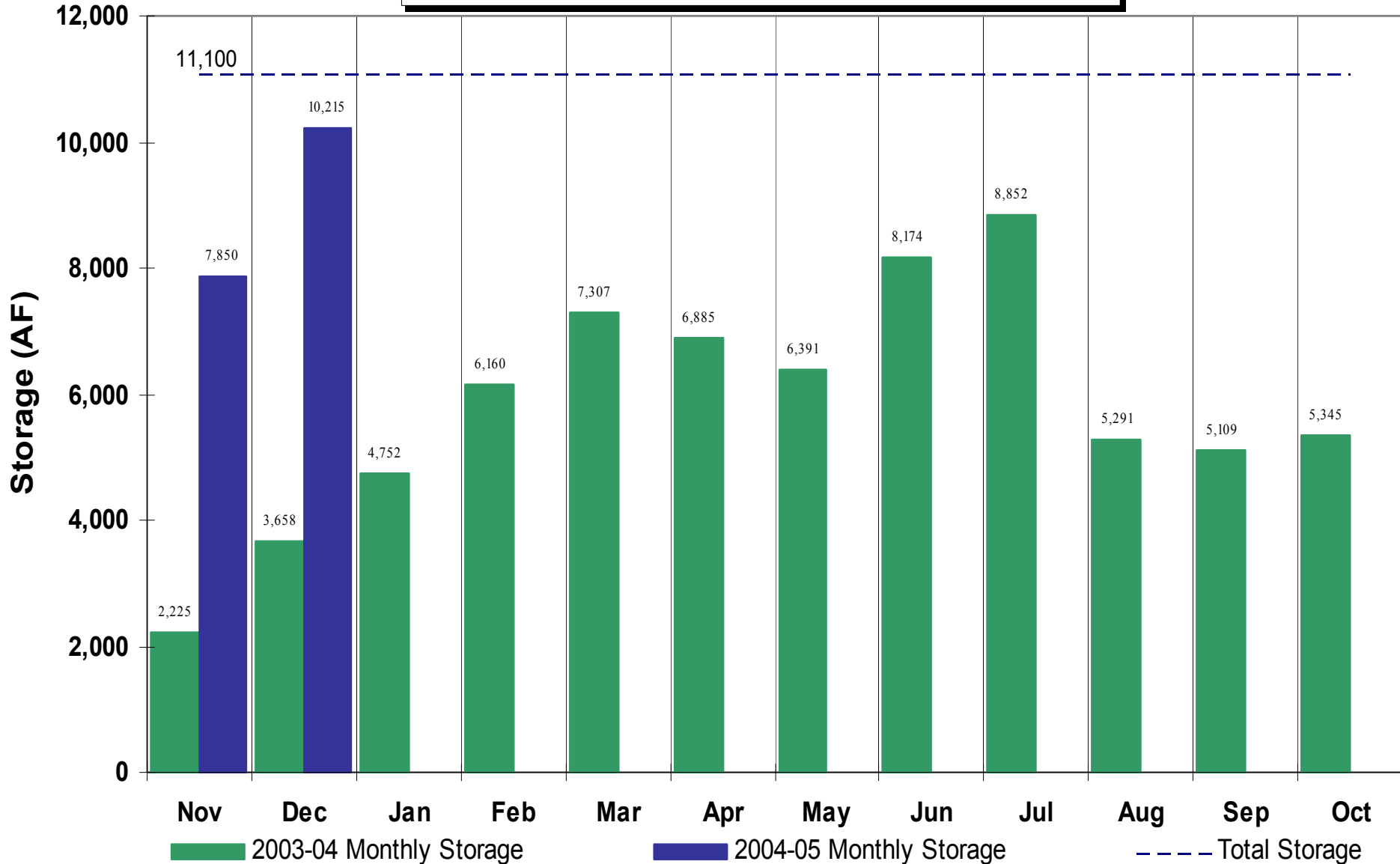
Cobb Lake

(Agricultural)



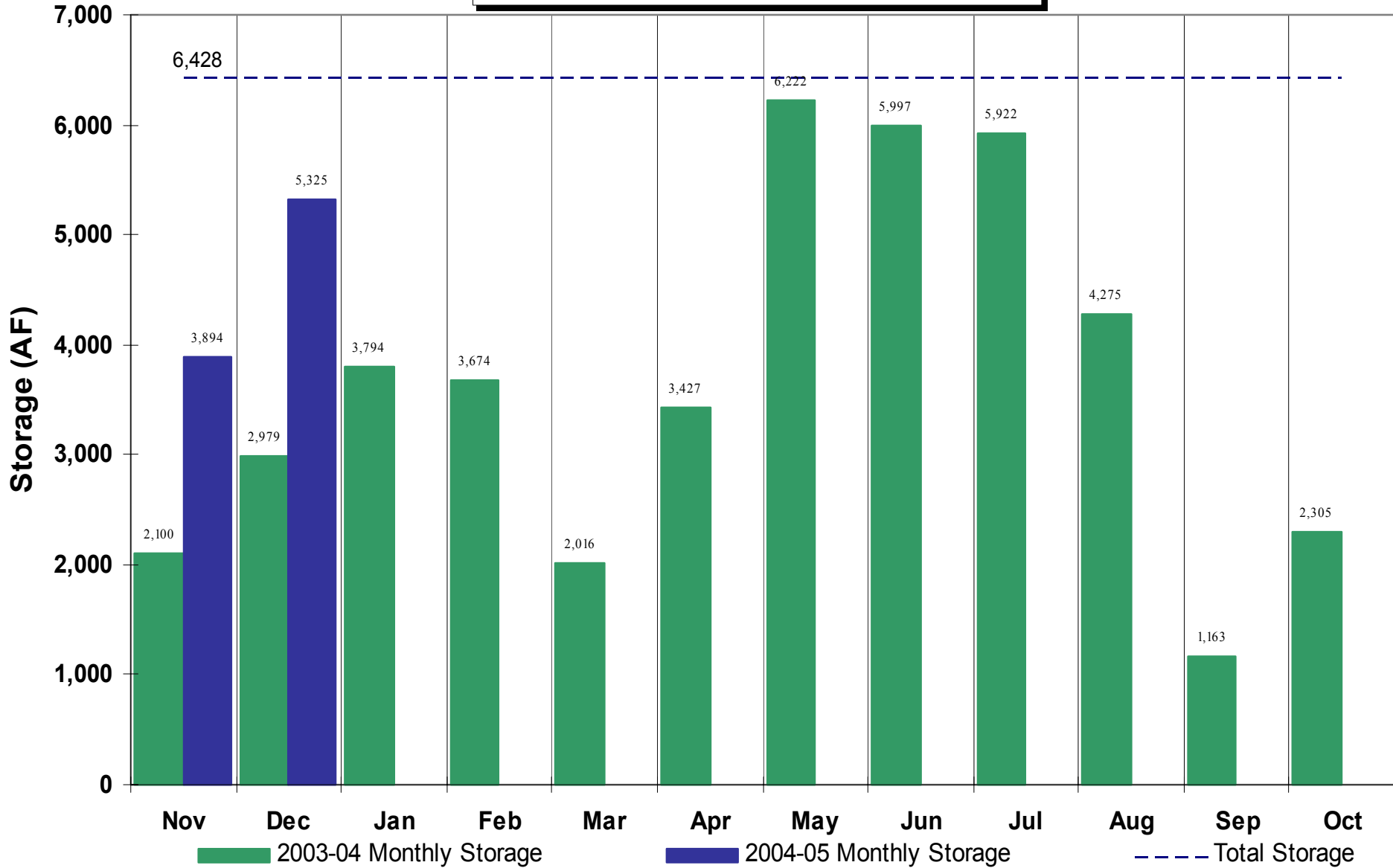
Fossil Creek Reservoir

(Agricultural)



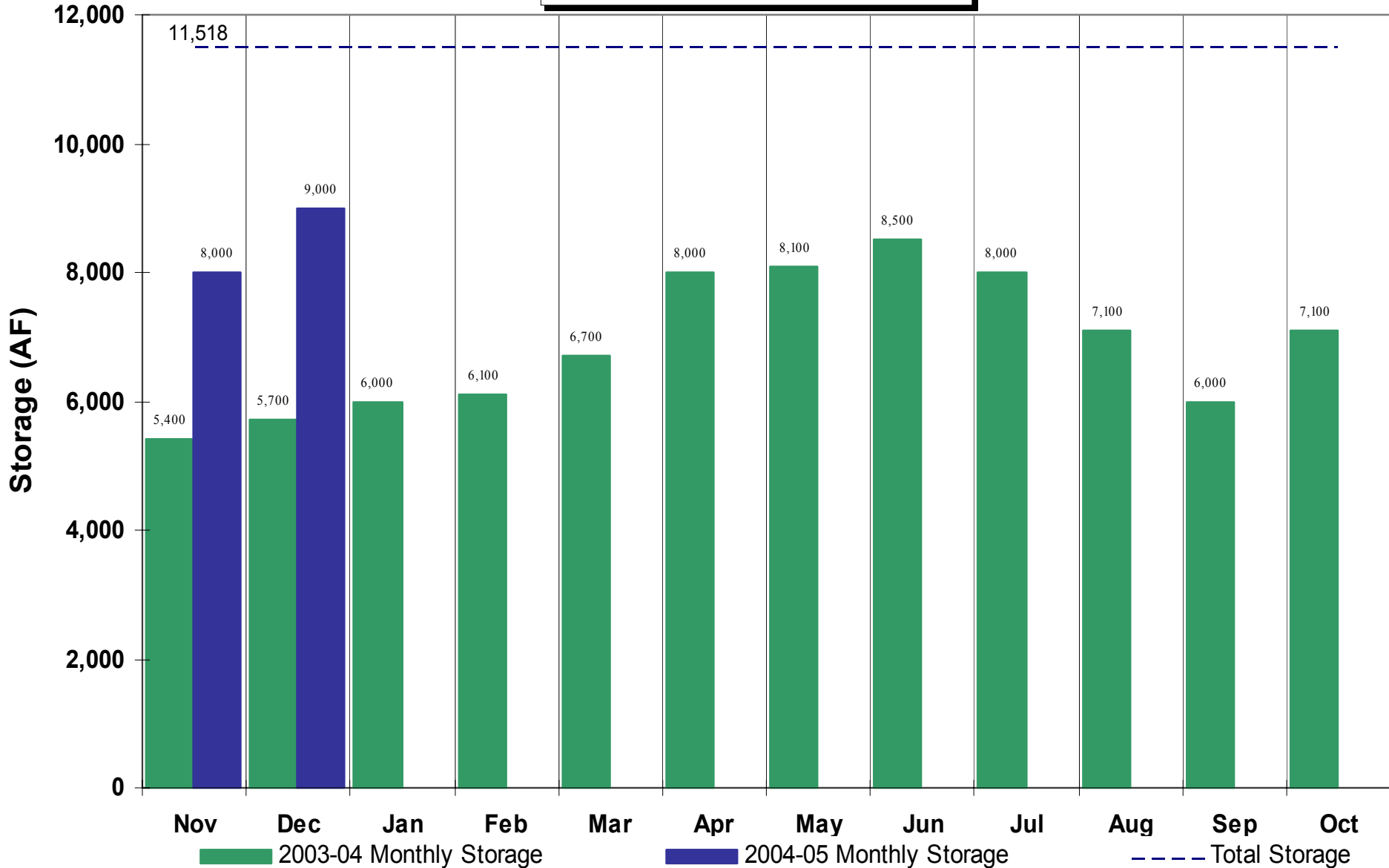
Halligan Reservoir

(Agricultural)



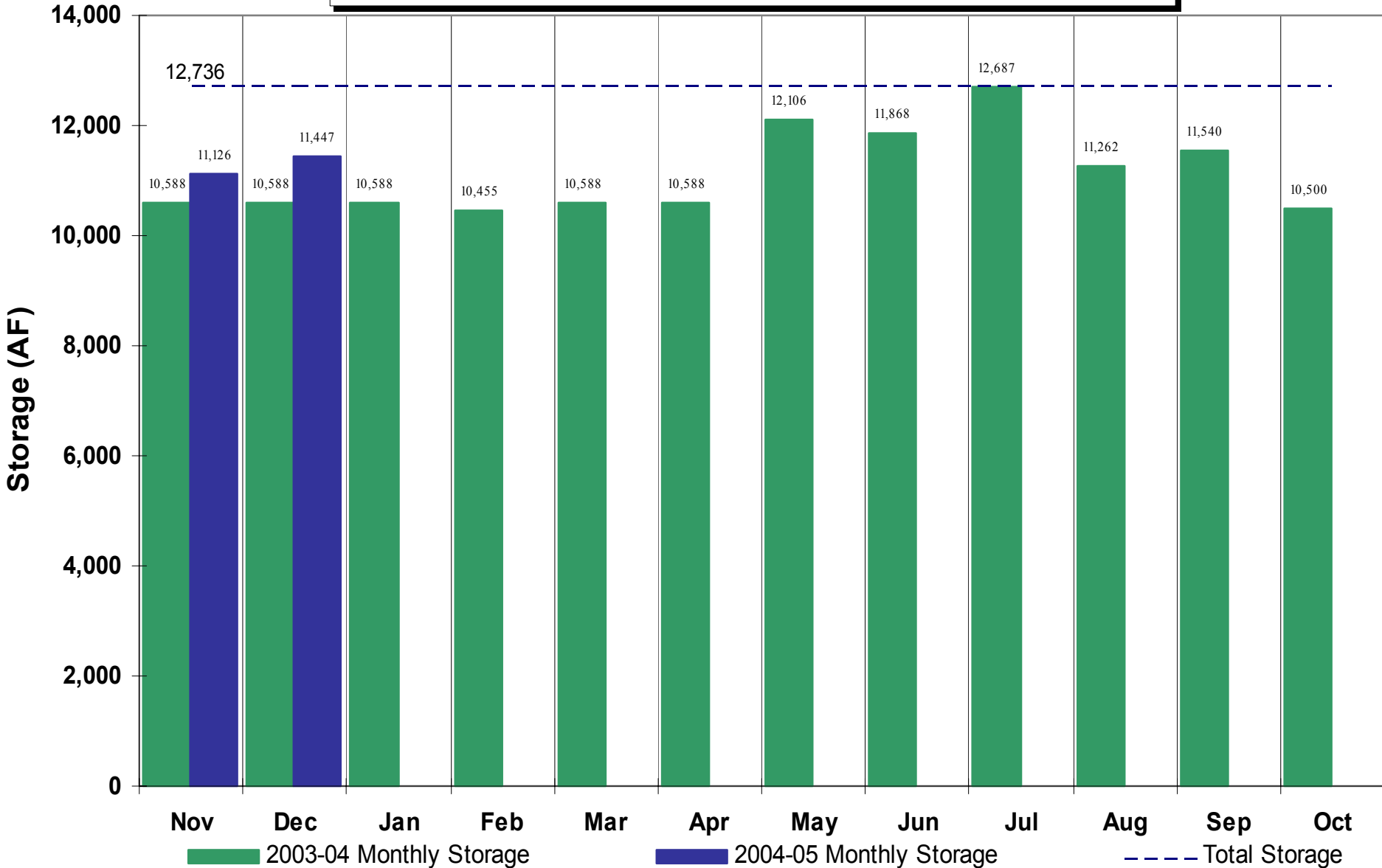
Marshall Lake

(Agricultural)



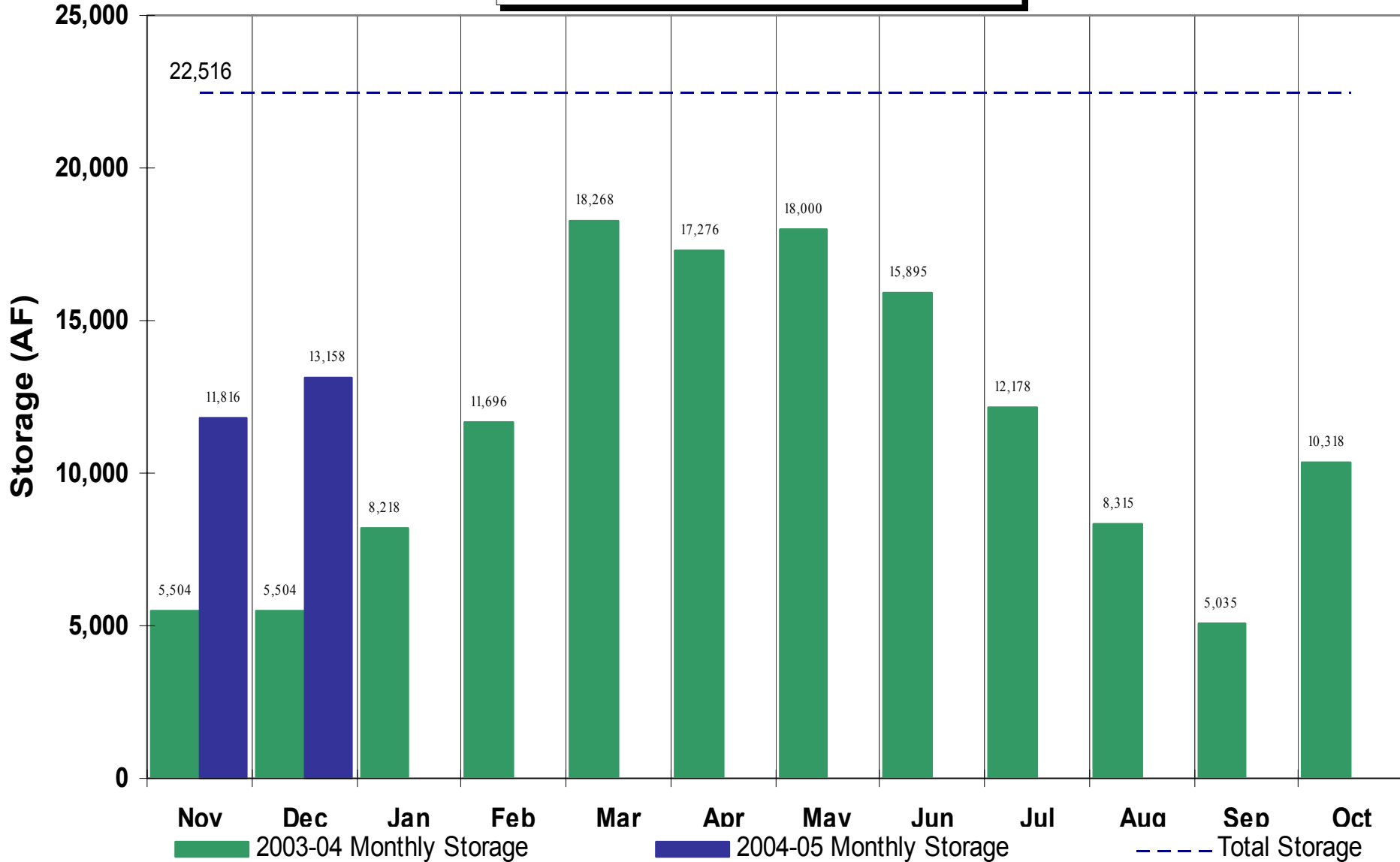
Loveland Greeley Reservoir

(Agricultural)



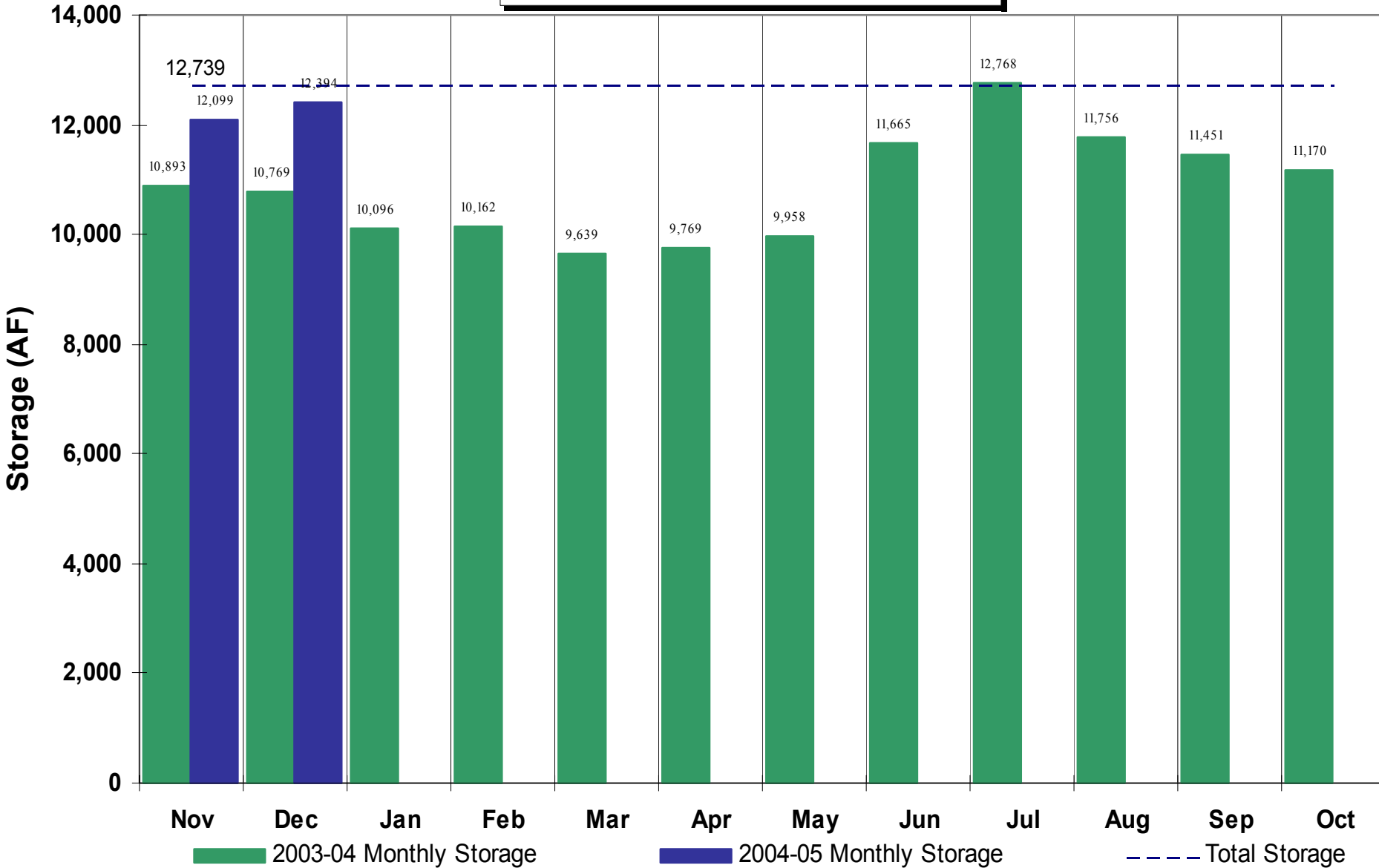
Milton Reservoir

(Agricultural)



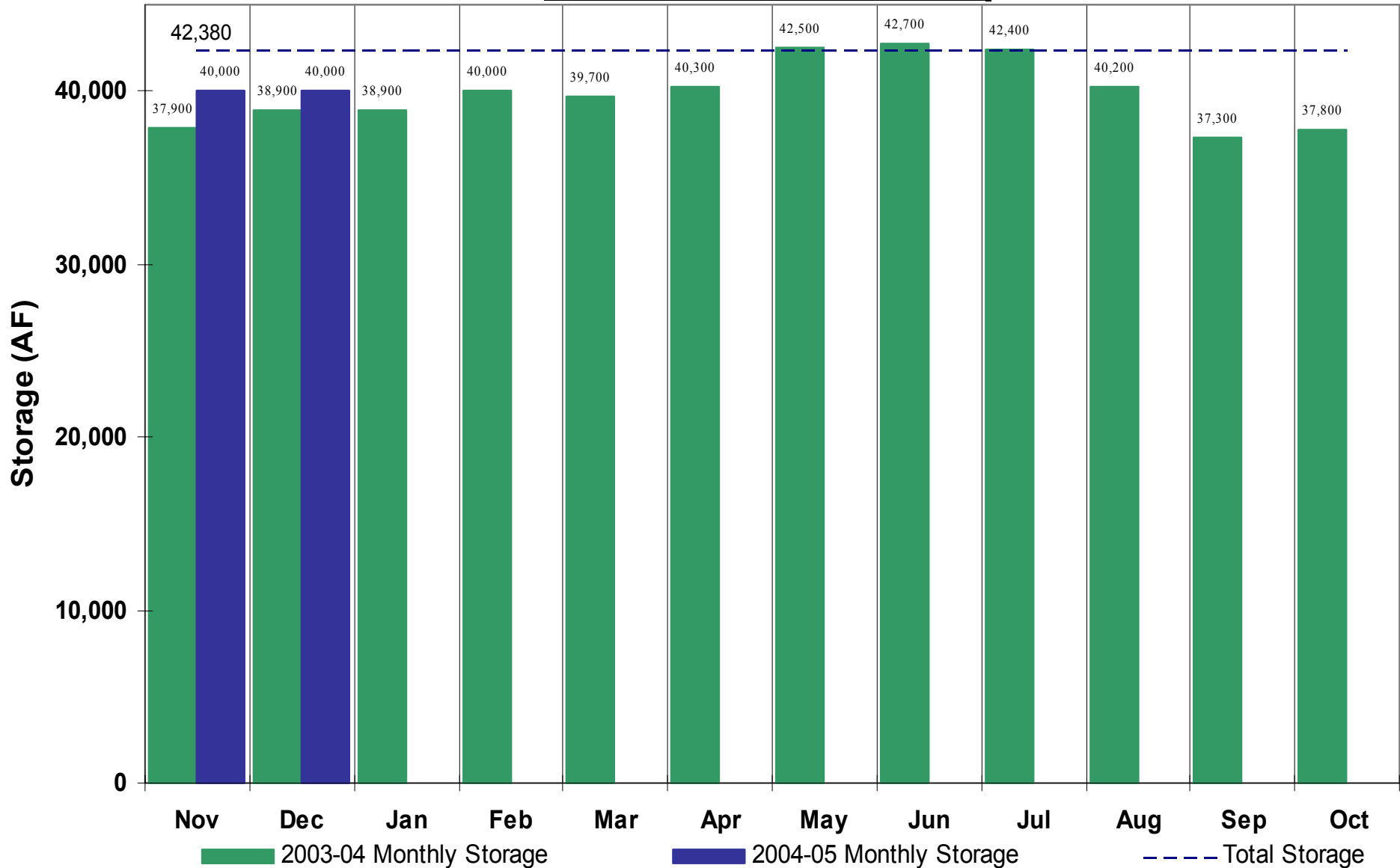
Union Reservoir

(Agricultural)



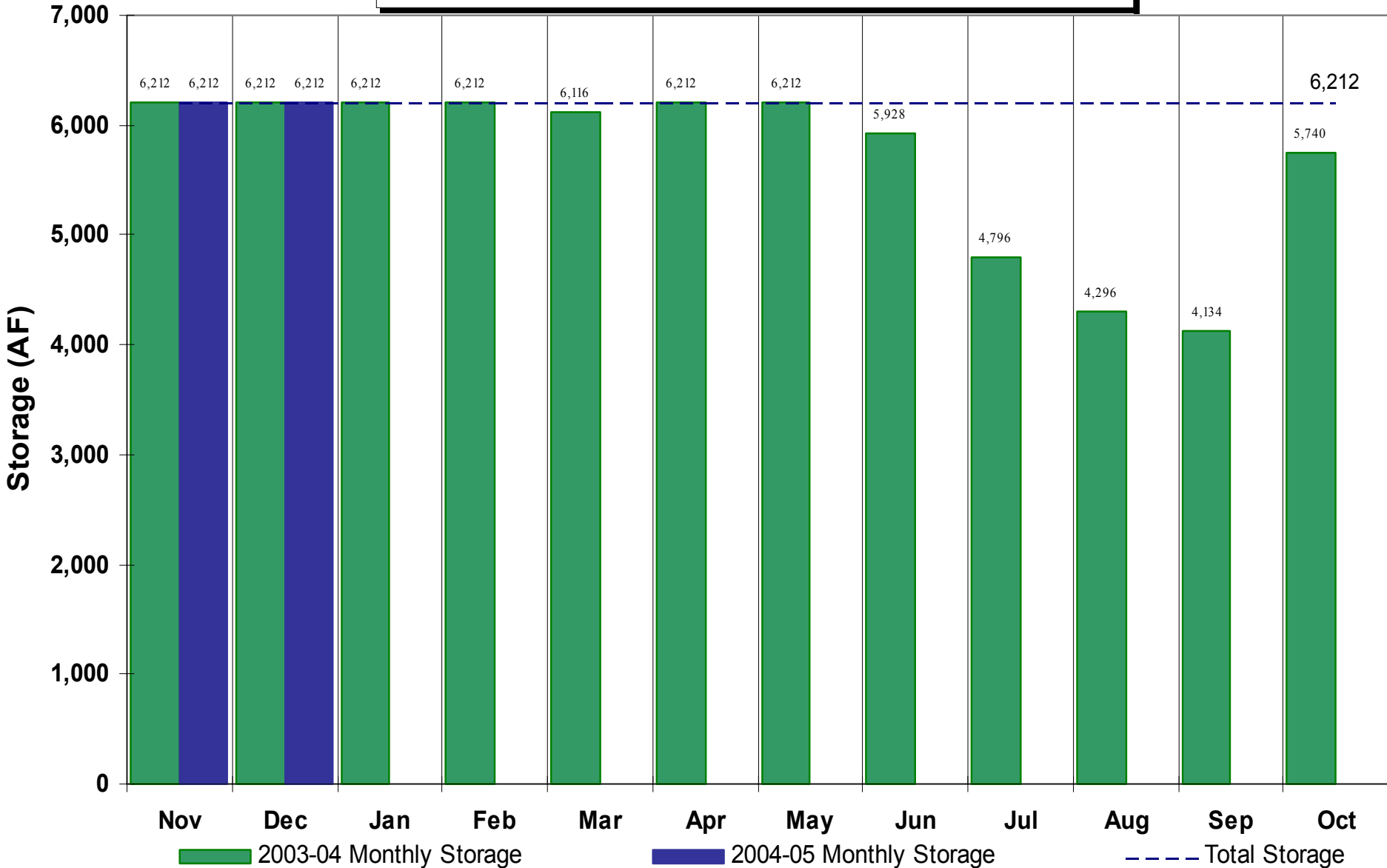
Standley Lake

(Agricultural)

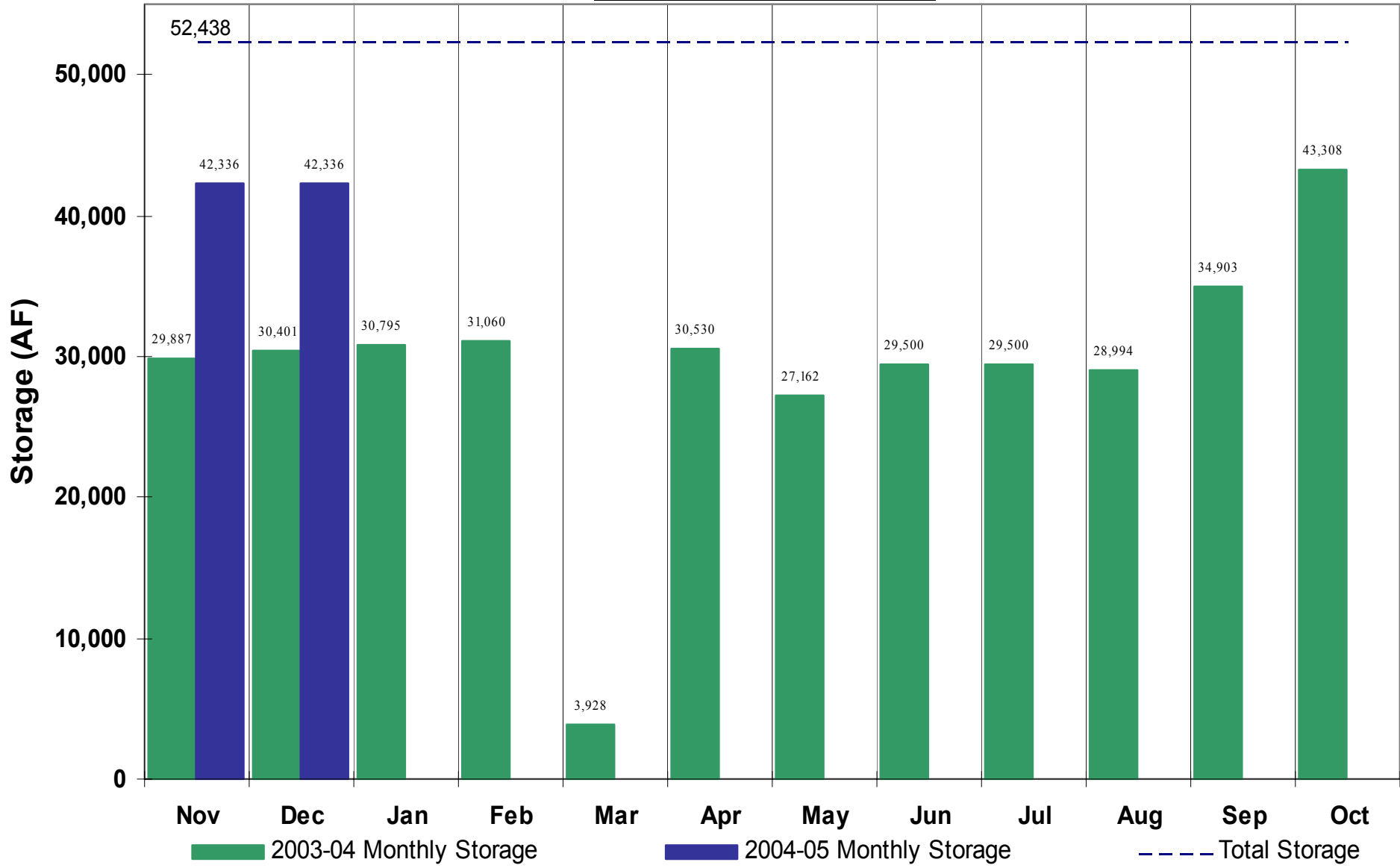


Lower Latham Reservoir

(Agricultural)

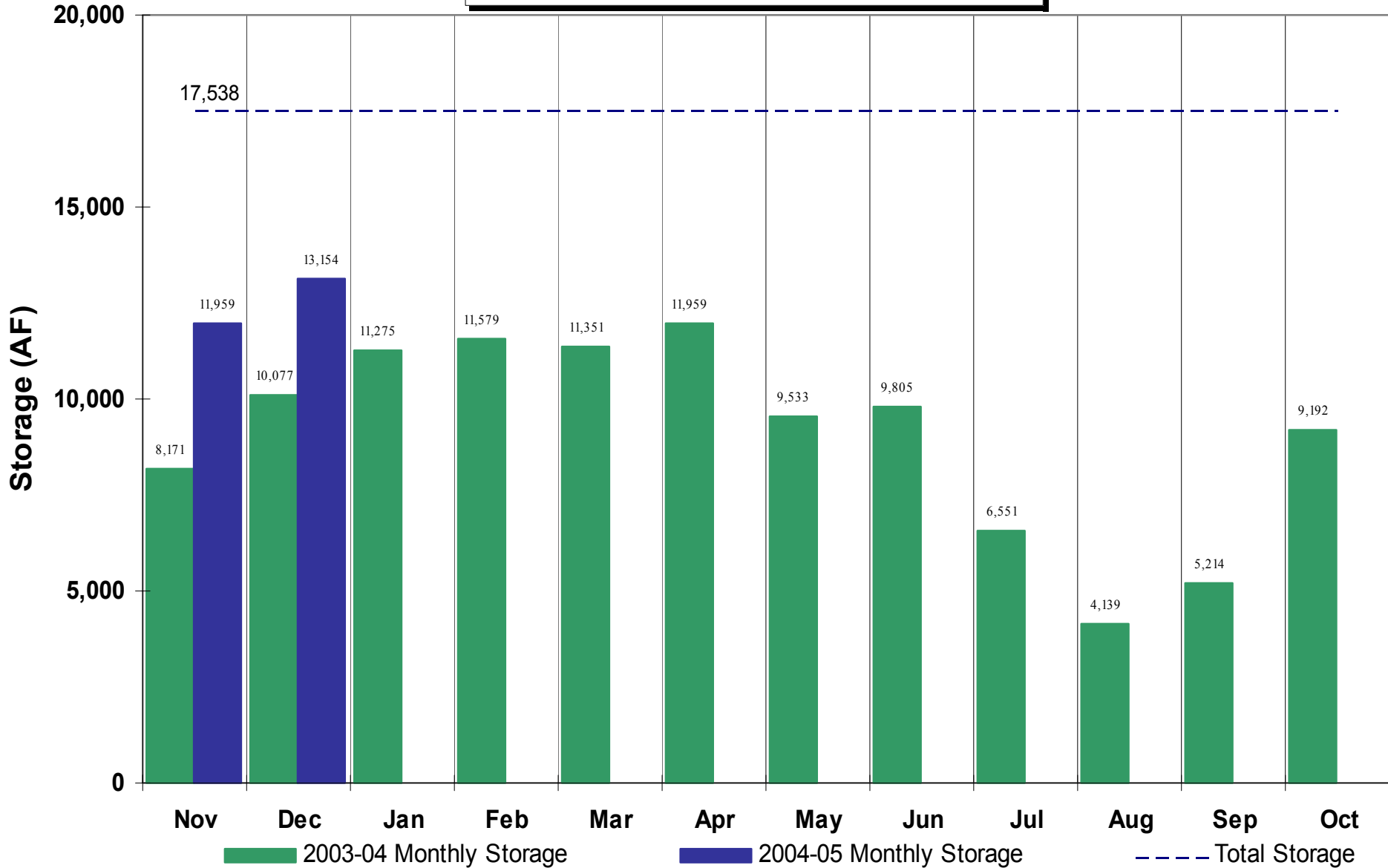


Boyd Lake (Agricultural)



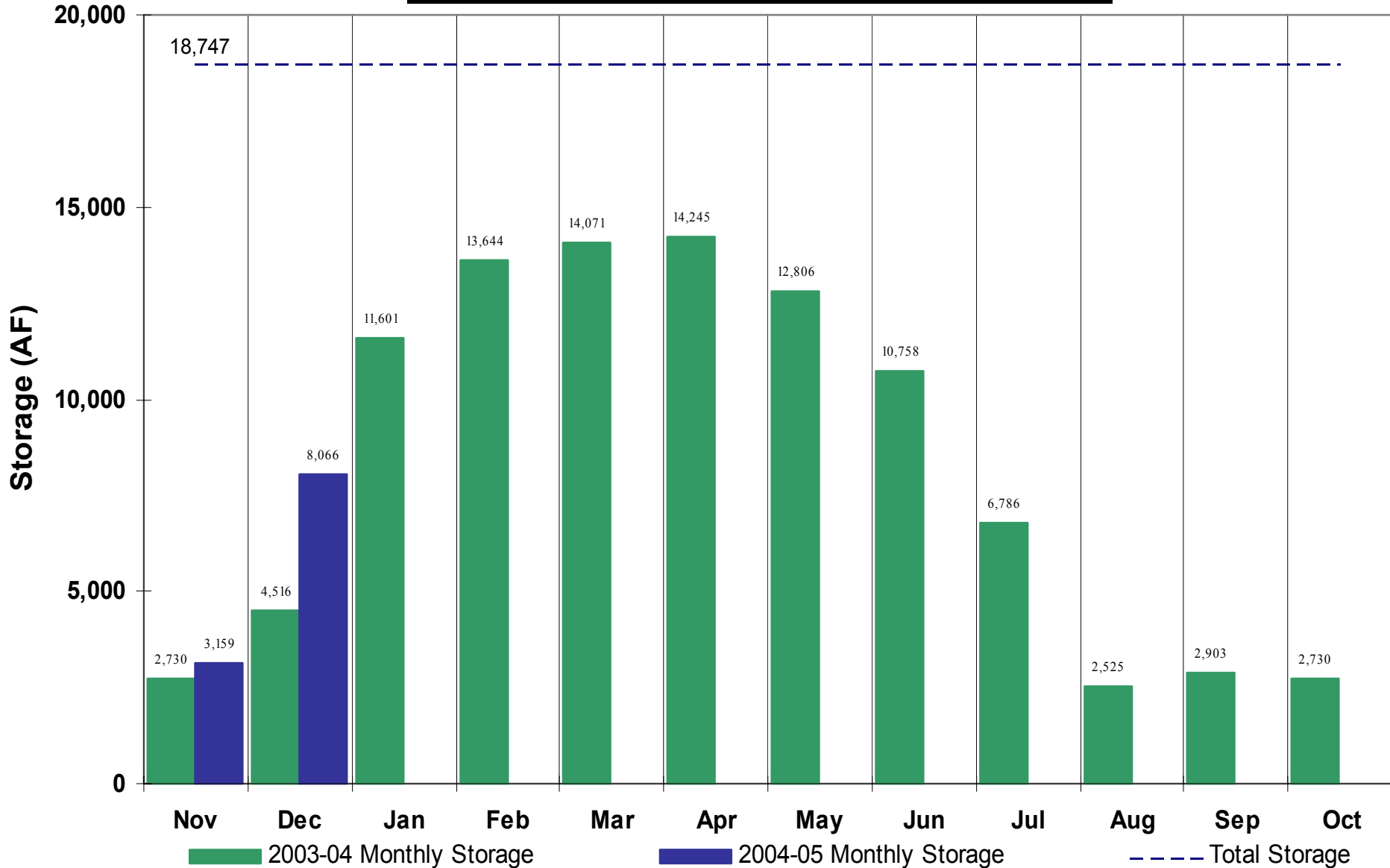
Windsor Reservoir

(Agricultural)



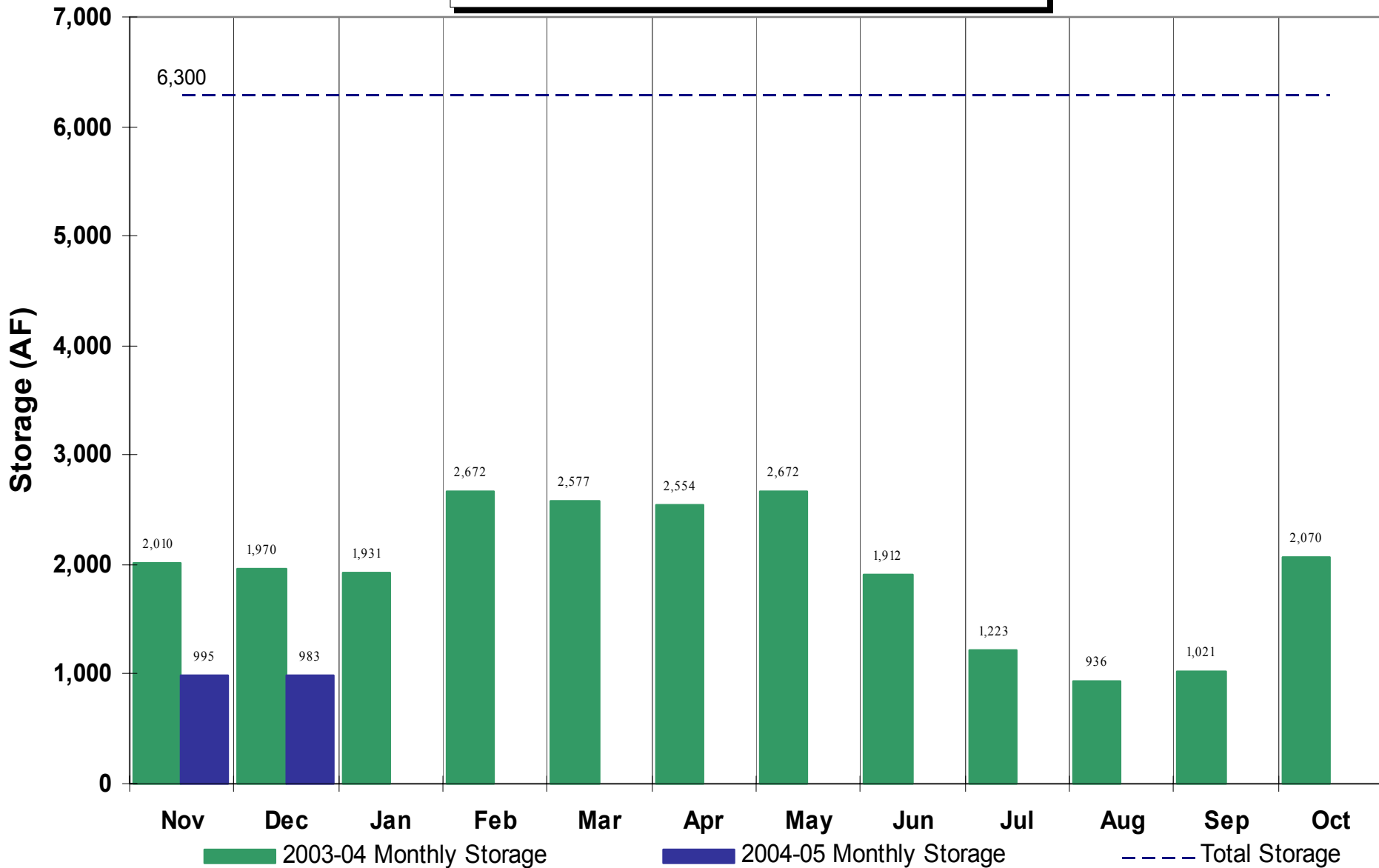
Horse Creek Reservoir

(Agricultural)



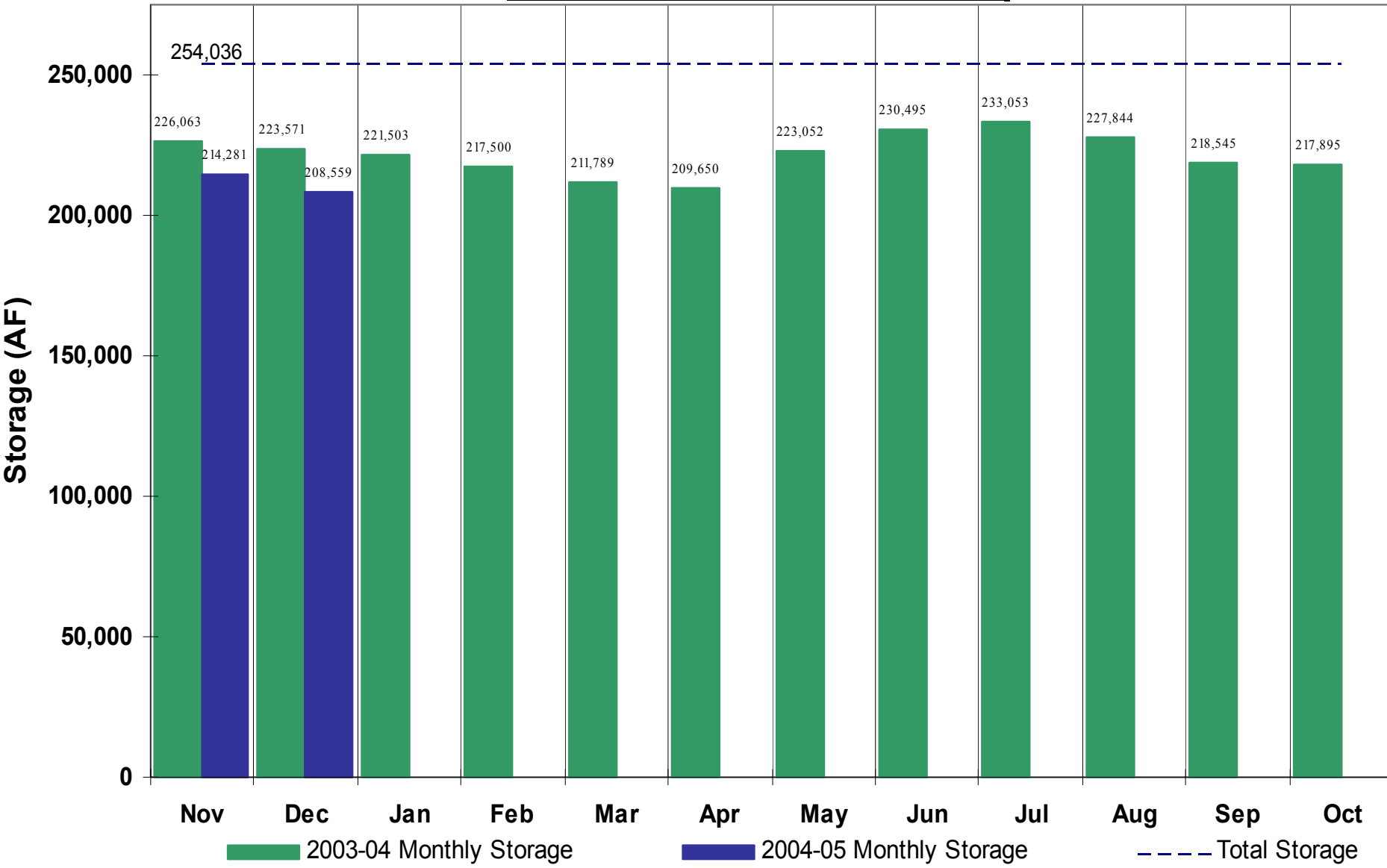
Prospect Reservoir

(Agricultural)



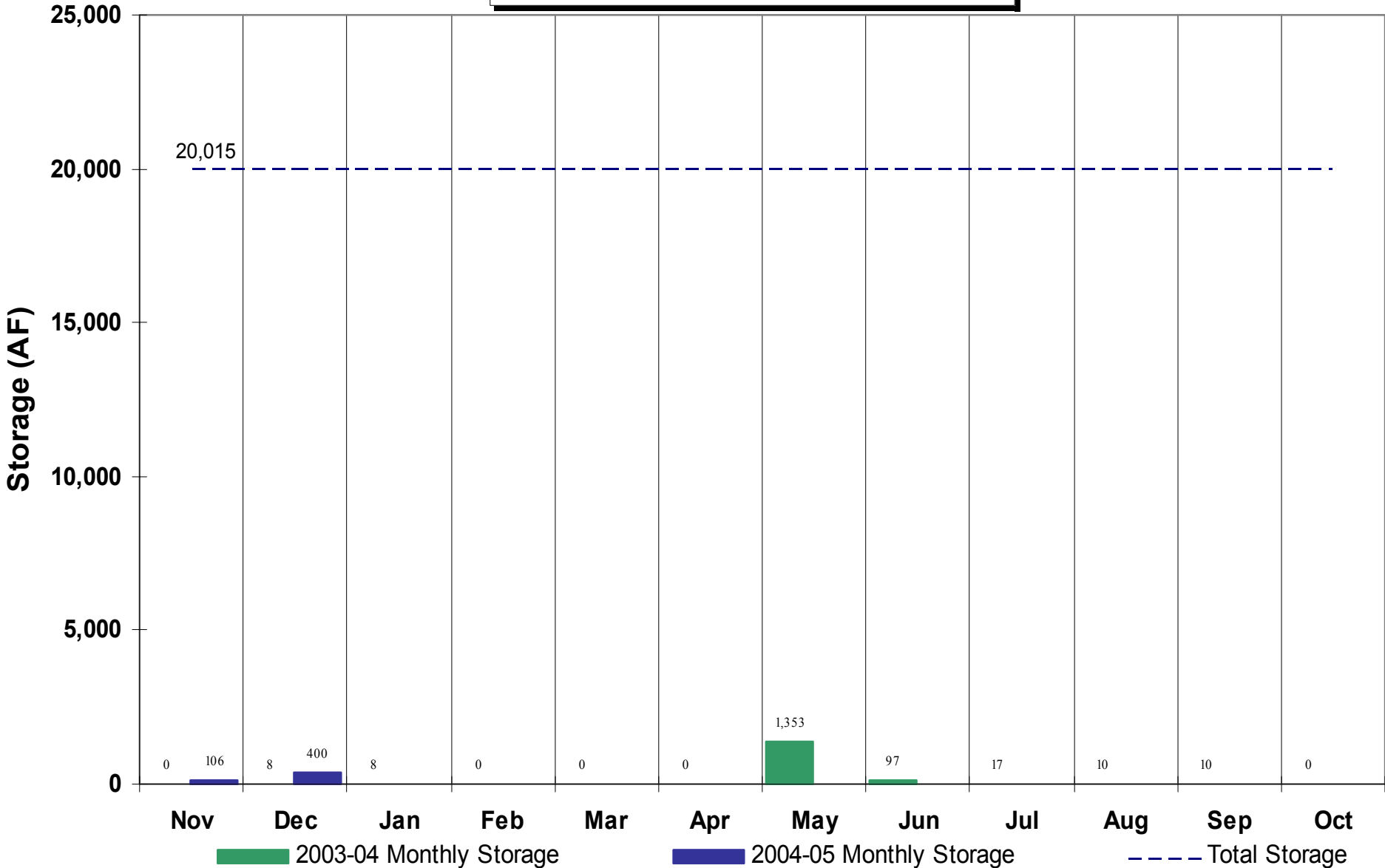
Dillon Reservoir

(Municipal)



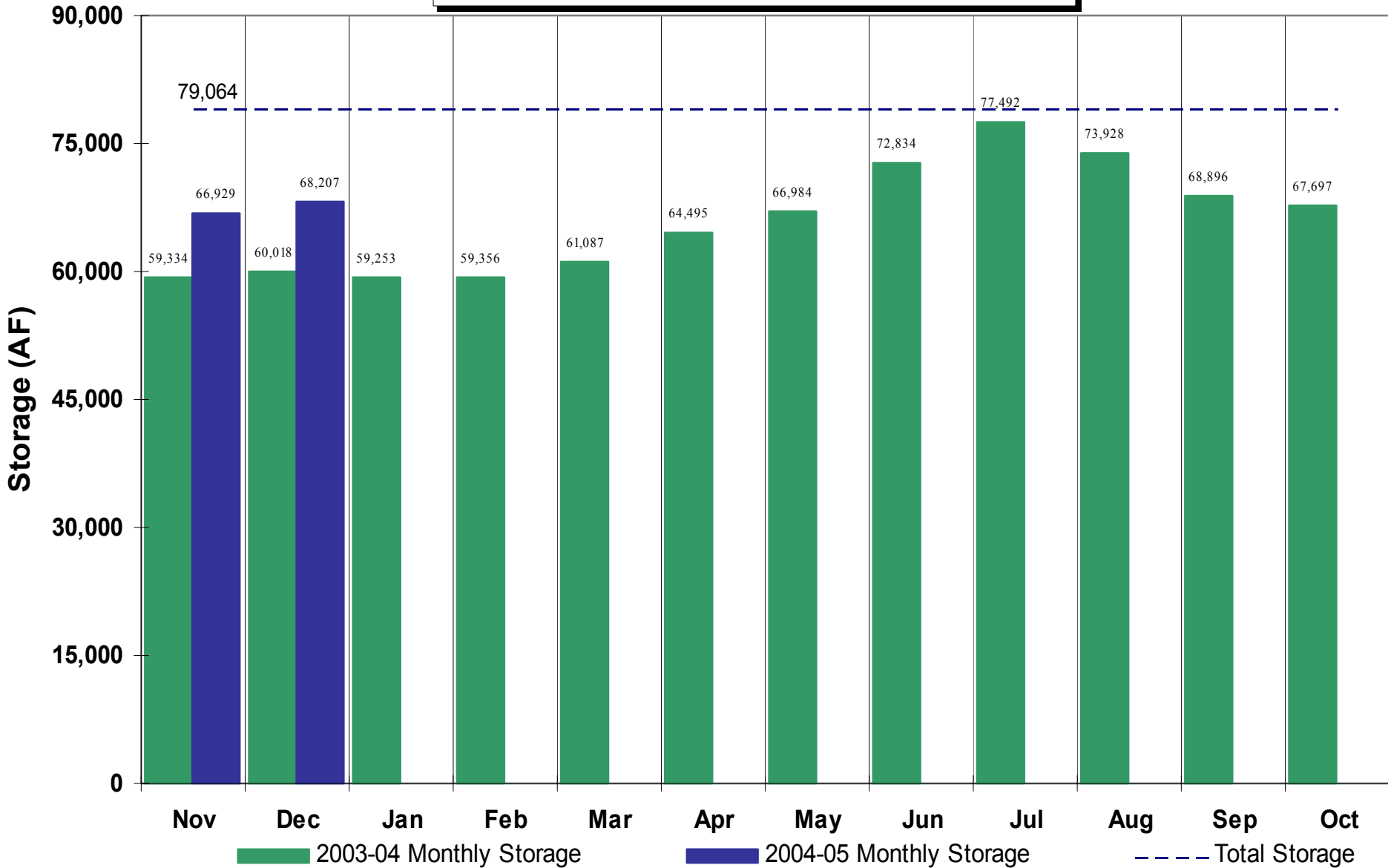
Antero Reservoir

(Municipal)



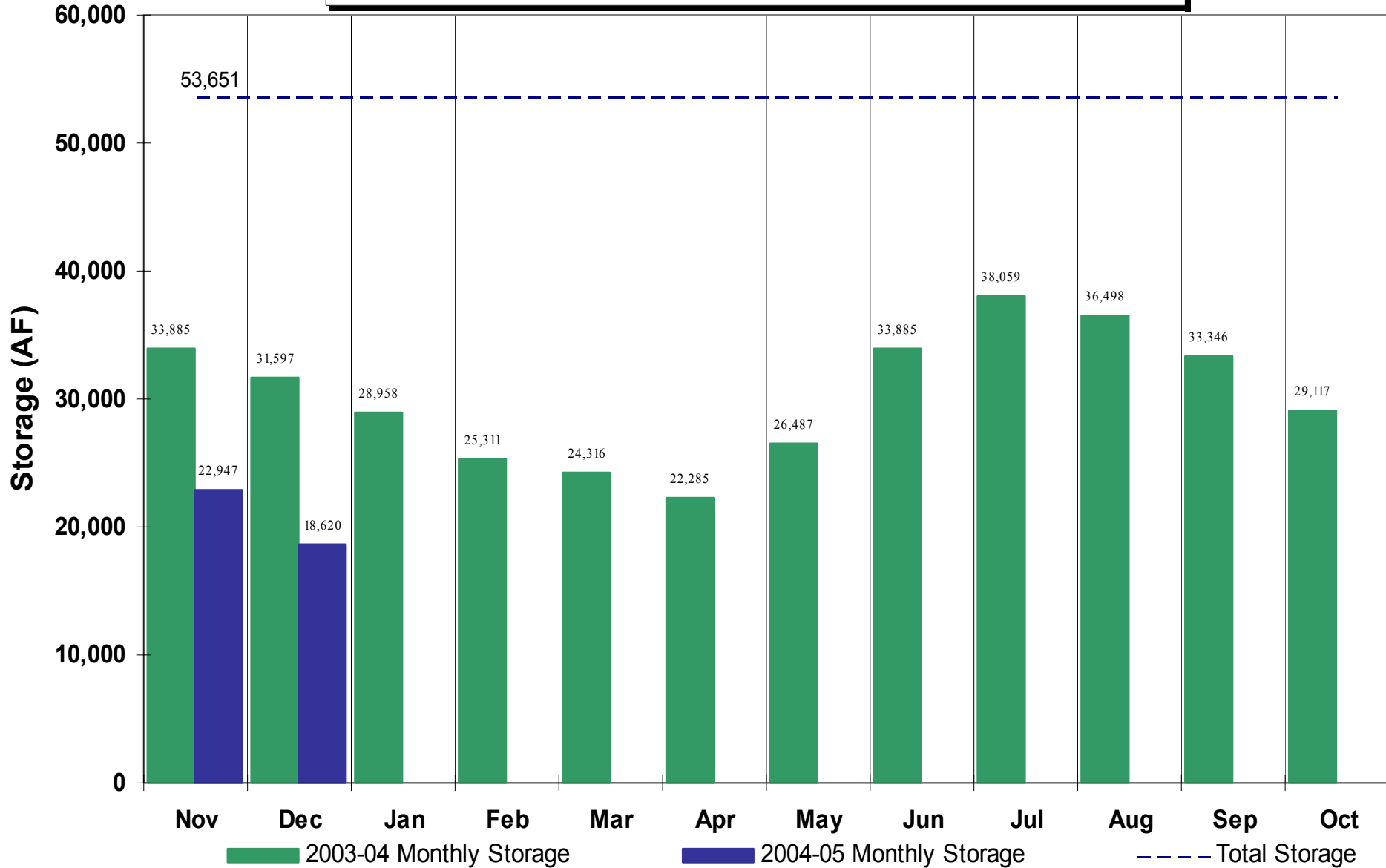
Cheesman Reservoir

(Municipal)



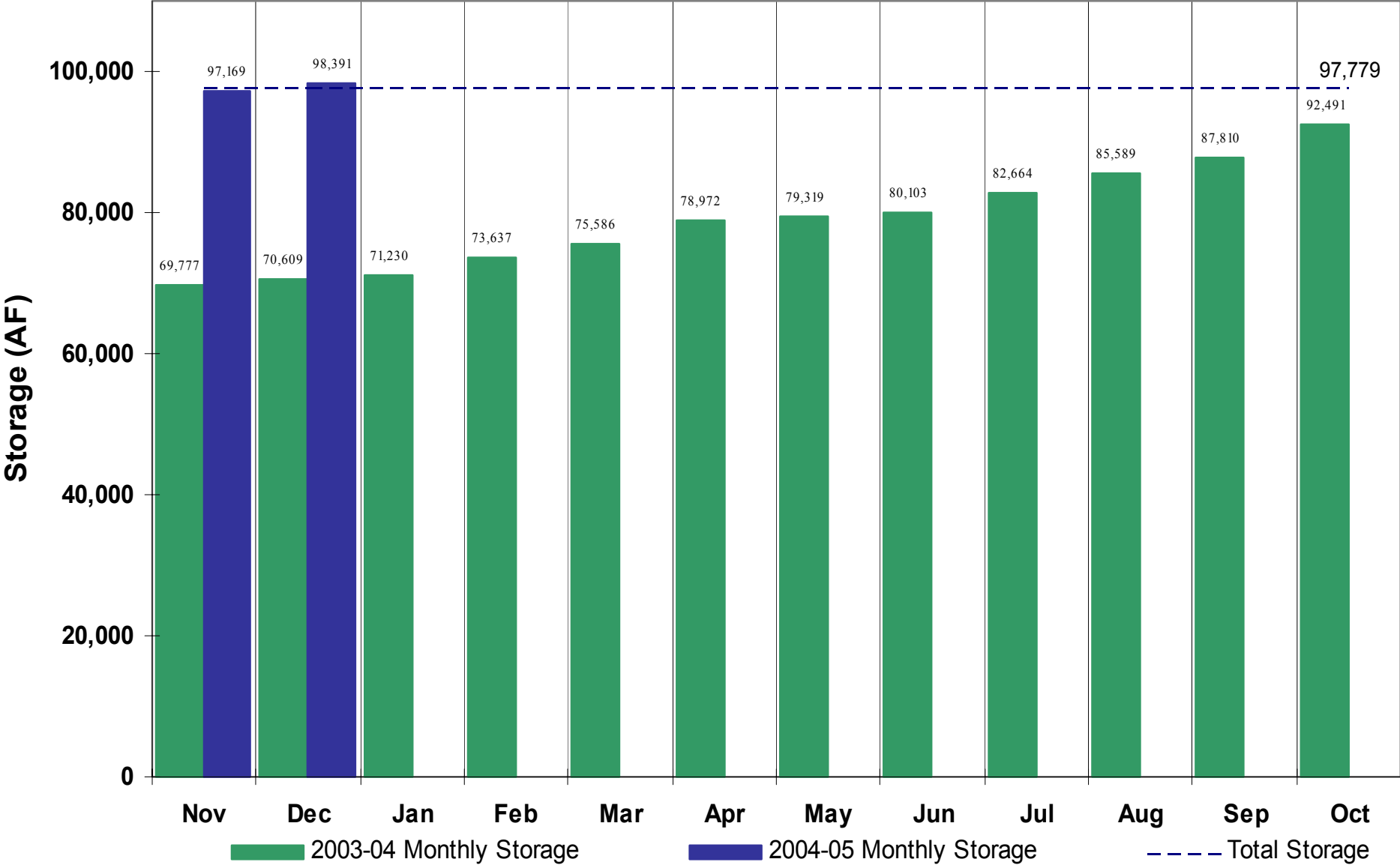
Spinney Mountain Reservoir

(Municipal)

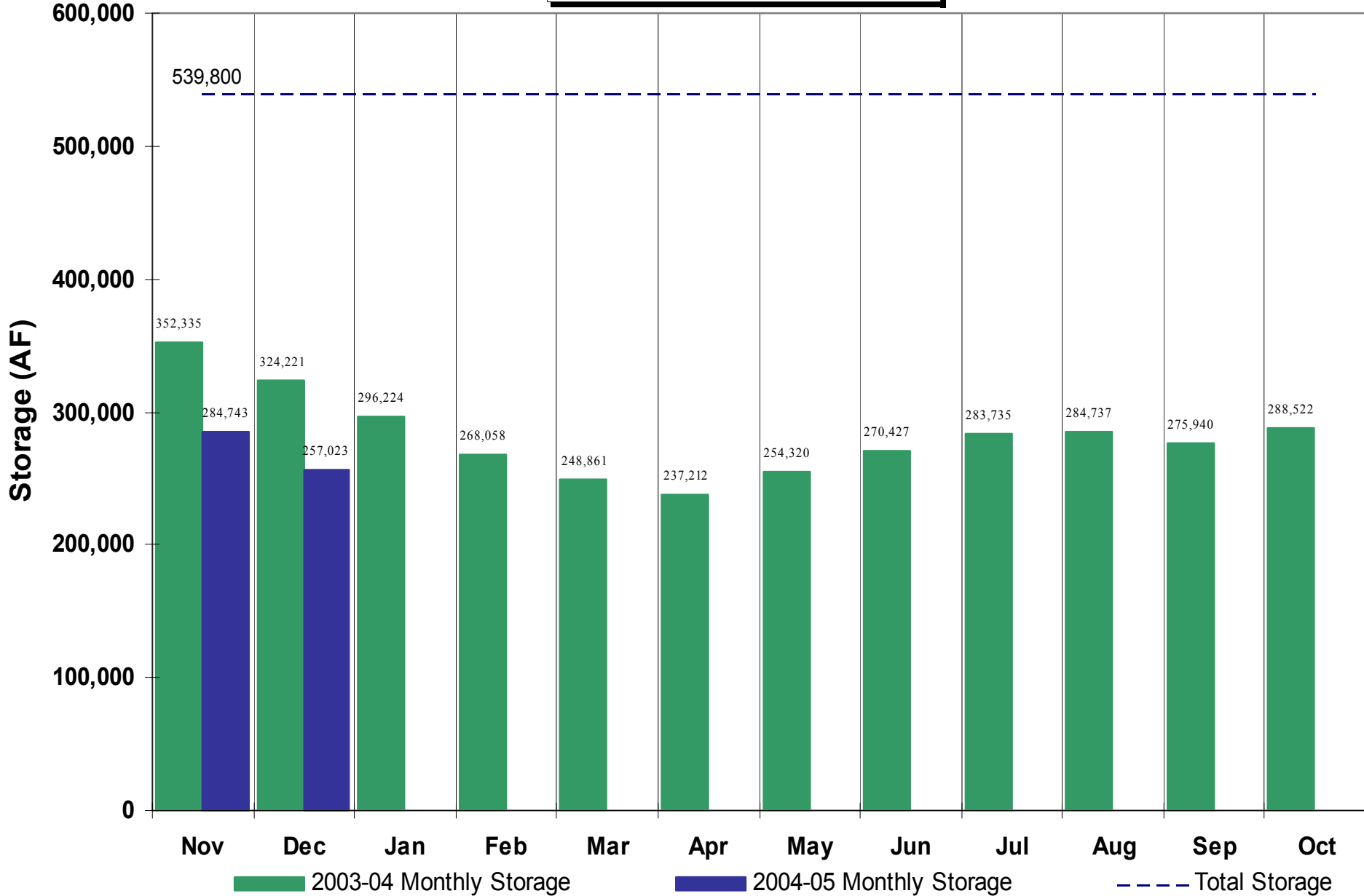


Eleven Mile Reservoir

(Municipal)



Lake Granby



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

