

A photograph of the Lake Cheesman Dam, a concrete structure with a central control house, situated on a rocky shoreline. The dam is surrounded by a forested hillside under a cloudy sky. The text is overlaid on the image.

South Platte Summary

November 2004

Beginning of 2005 Irrigation Water Yr

By Claudia Engelmann
Colorado Division of Water Resources

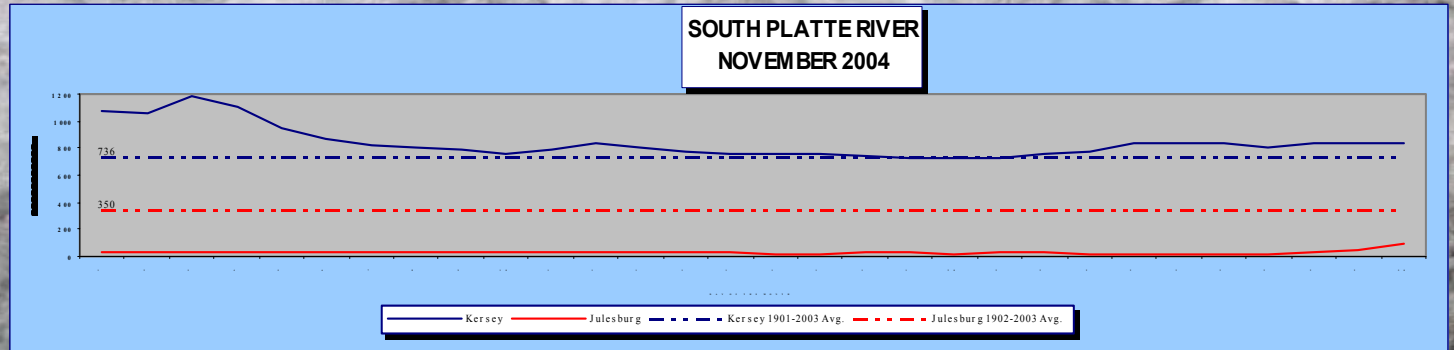
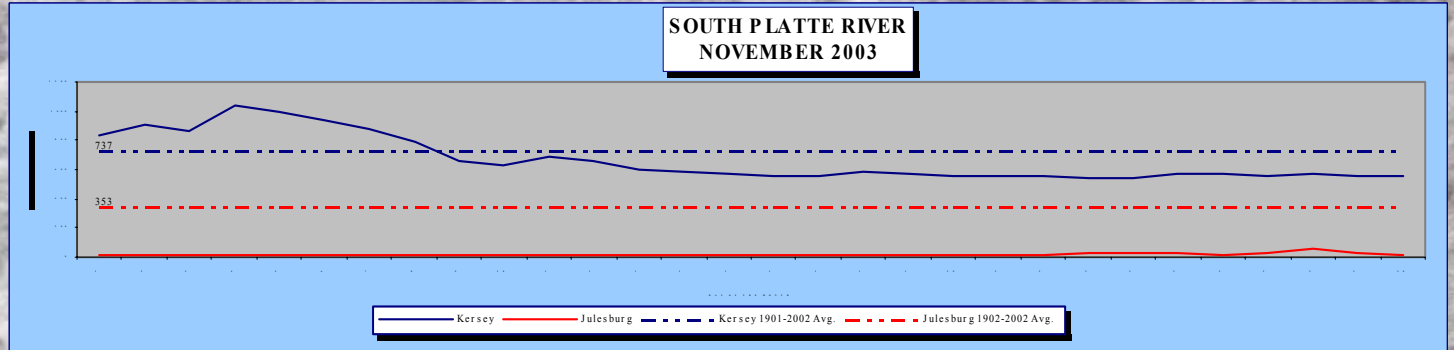
Lake Cheesman Dam

COLORADO DIVISION OF WATER RESOURCES, DIVISION 1

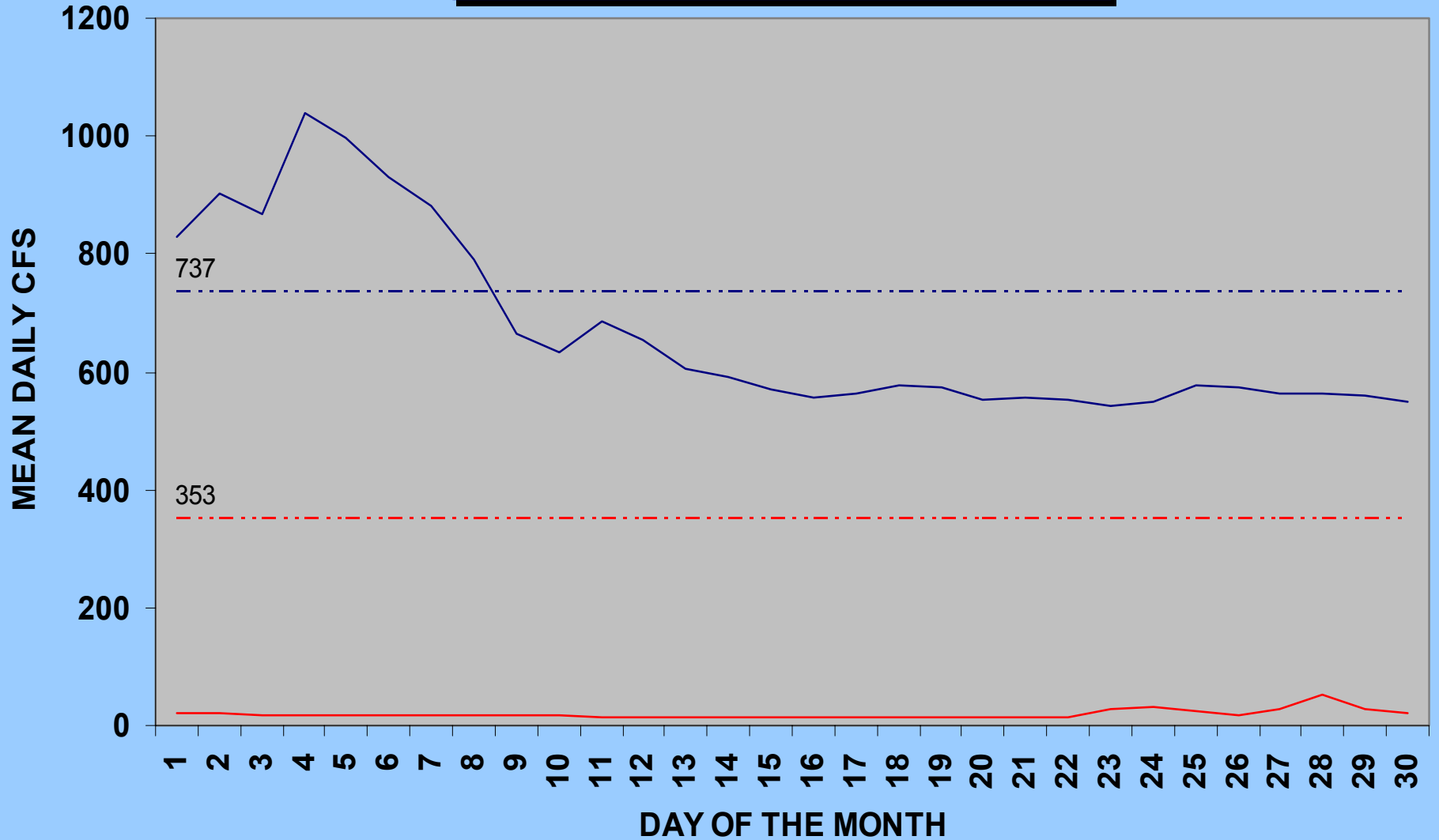
MONTH OF NOVEMBER 2004

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	4,900	12,900	64	8,000	163%	57%	49%	0
N STERLING	73,730	17,440	29,770	64	12,330	71%	40%	25%	0
PREWITT	28,500	16,690	16,960	64	270	2%	60%	26%	0
JACKSON	27,257	1,320	14,023	1	12,703	962%	51%	51%	0
EMPIRE	37,700	3,889	7,417	1	3,528	91%	20%	9%	0
RIVERSIDE	63,113	18,234	33,723	1	15,489	85%	53%	47%	0
BARR LAKE	31,652	9,164	20,440	2	11,276	123%	65%	56%	0
CHEESMAN	79,064	67,697	66,929	80	-768	-1%	85%	75%	0
ELEVEN MILE	97,779	92,491	97,169	23	4,678	5%	99%	71%	0
SPINNEY	53,651	29,117	22,947	23	-6,170	-21%	43%	63%	0
ANTERO	20,015	0	106	23	106	infinite	1%	0%	0

RIVER GAGES	MEAN DAILY FLOW (CFS)
KERSEY	839
JULESBURG	28
THIS MONTH LAST YEAR	
KERSEY	668
JULESBURG	19
MEAN FOR PERIOD OF RECORD*	
KERSEY	648
JULESBURG	311
* 1901-2003	
1902-2003	

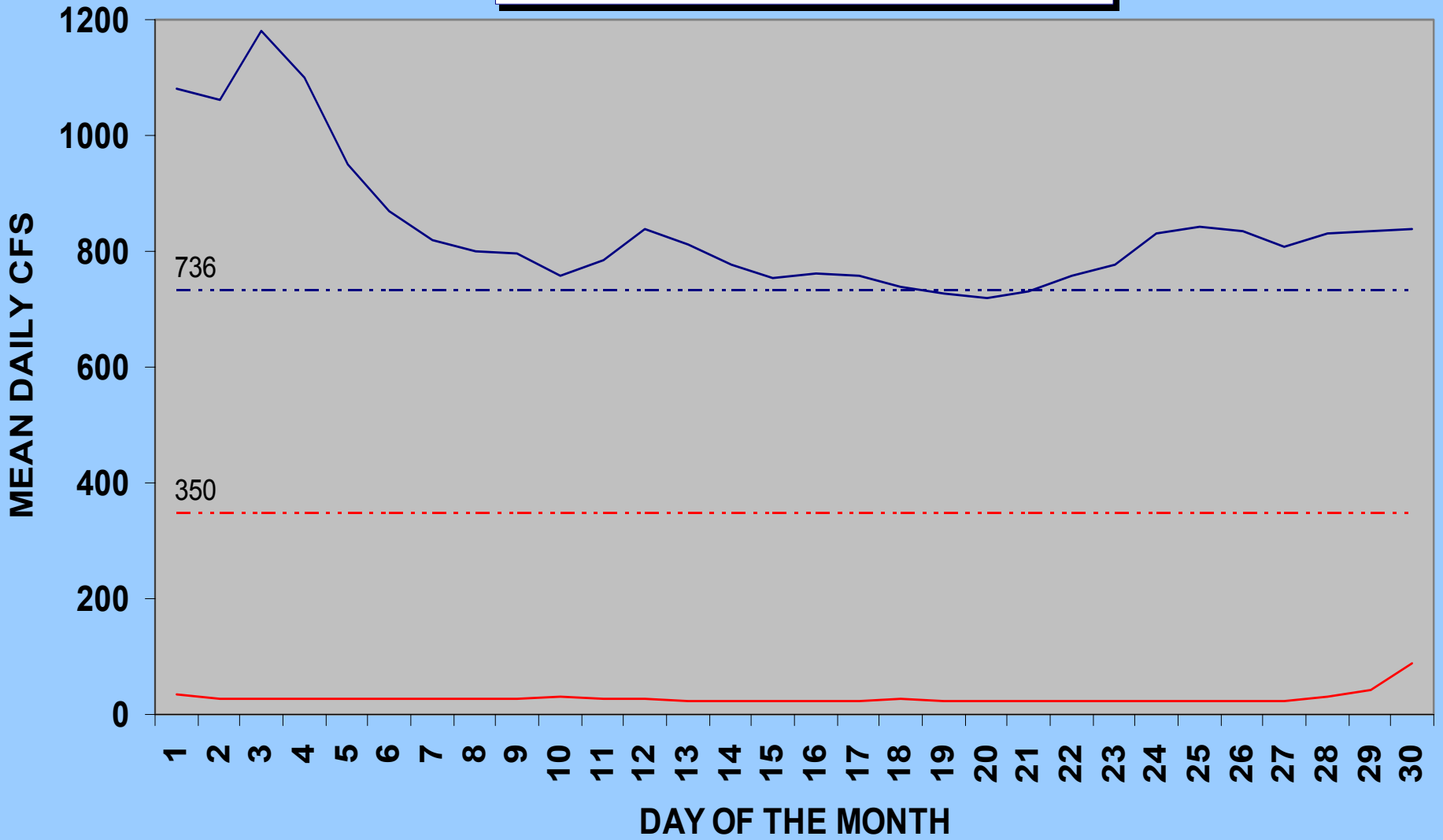


SOUTH PLATTE RIVER NOVEMBER 2003



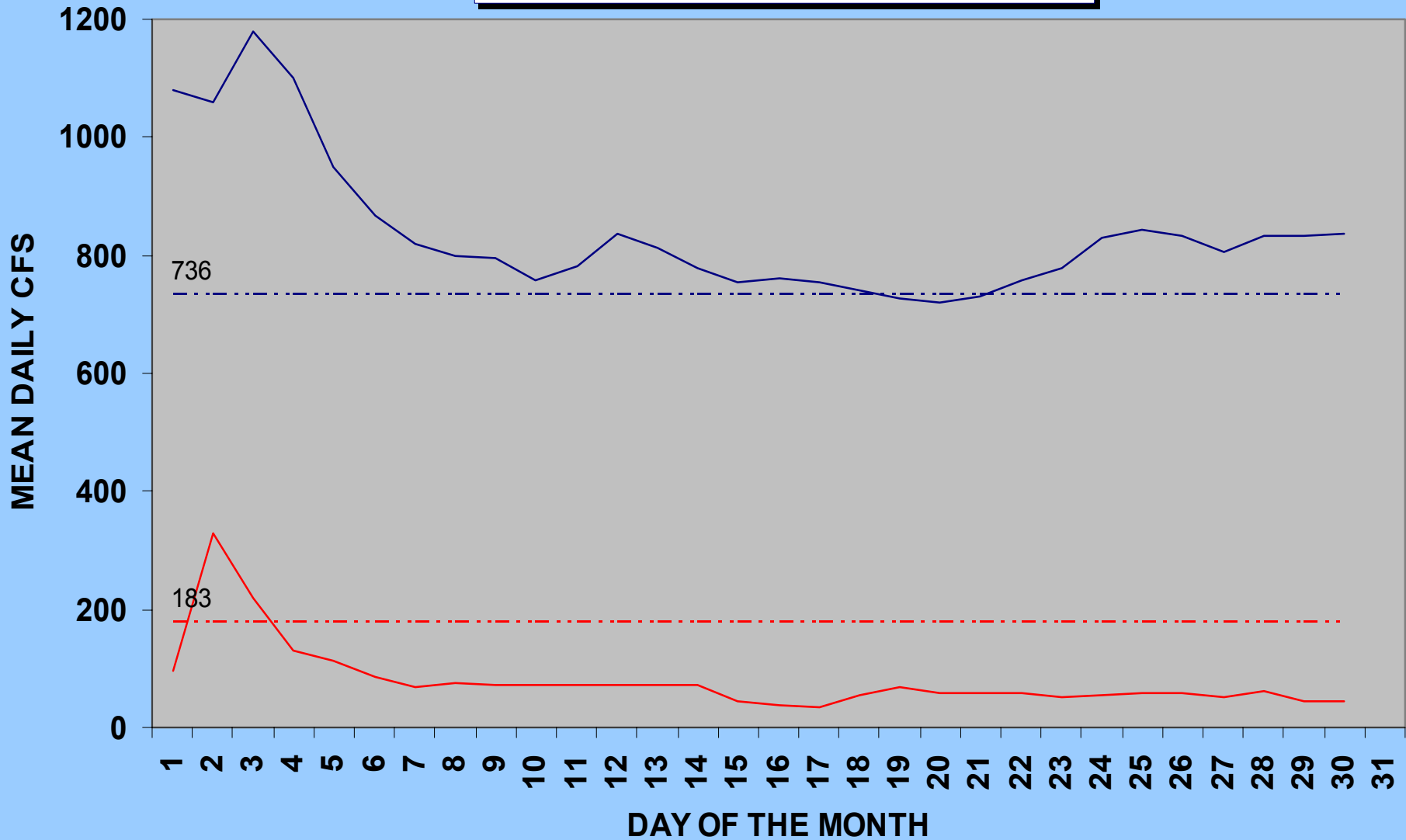
— Kersey — Julesburg - · - · Kersey 1901-2002 Avg. - · - · Julesburg 1902-2002 Avg.

SOUTH PLATTE RIVER NOVEMBER 2004



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

KERSEY and BALZAC NOVEMBER 2004



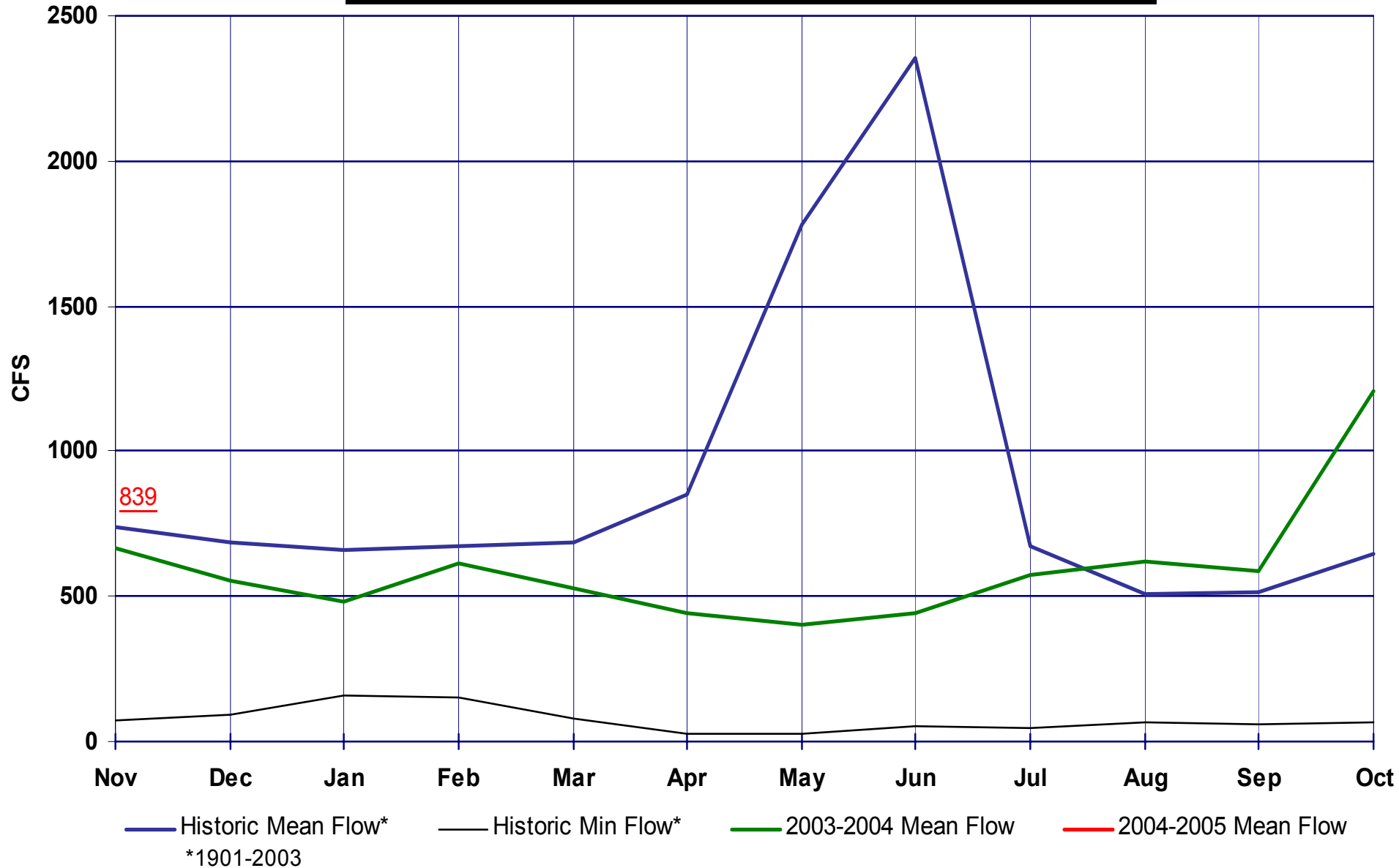
— Kersey — Balzac - - - Kersey 1901-2003 Avg. - - - Balzac 1917-2003 Avg.

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		Nov	350	2900	1985	4.2	1904	28	
Dec	684	1890	1962	91	1935			Dec	411	1820	1985	13	2003		
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							

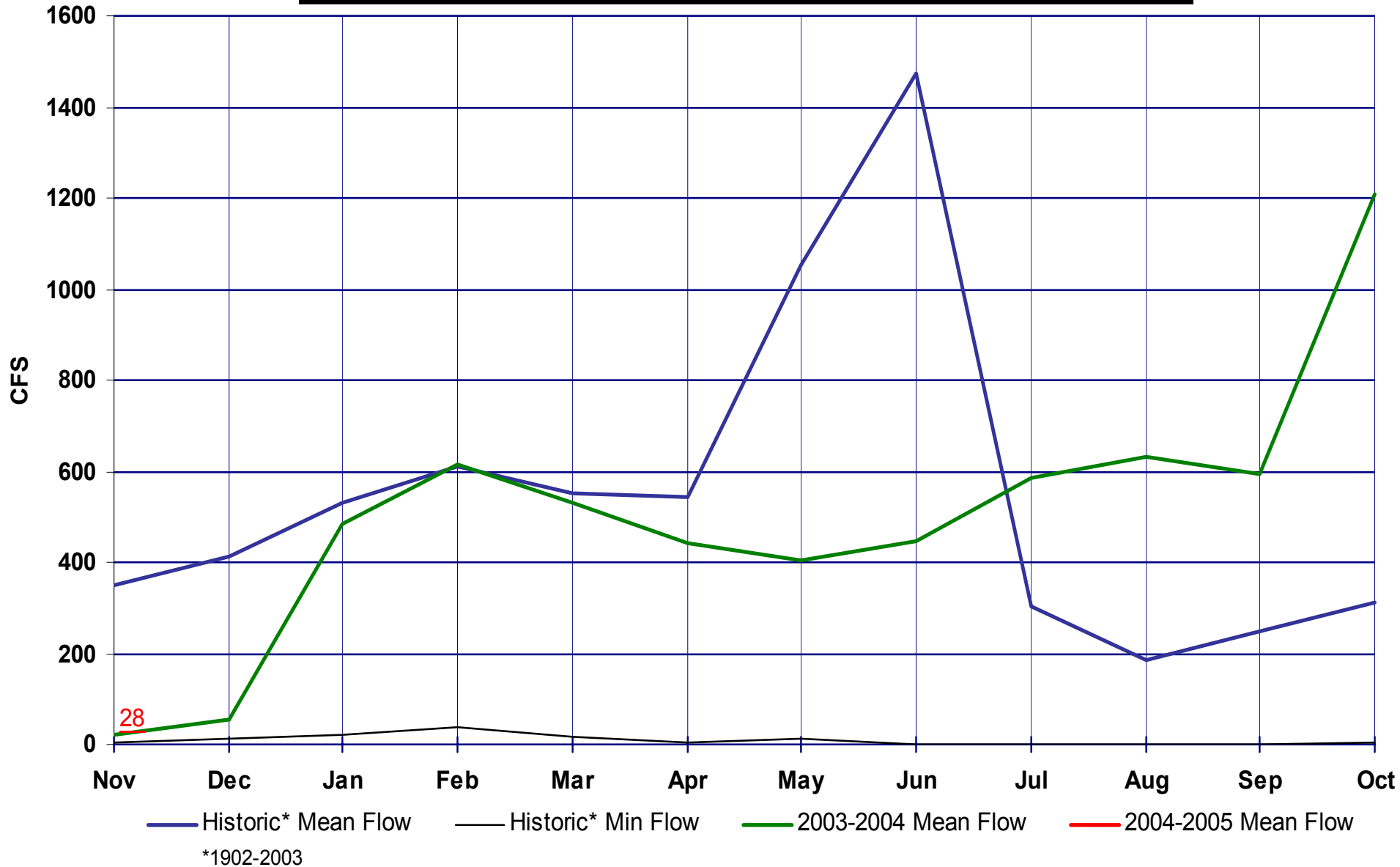
South Platte River at Kersey

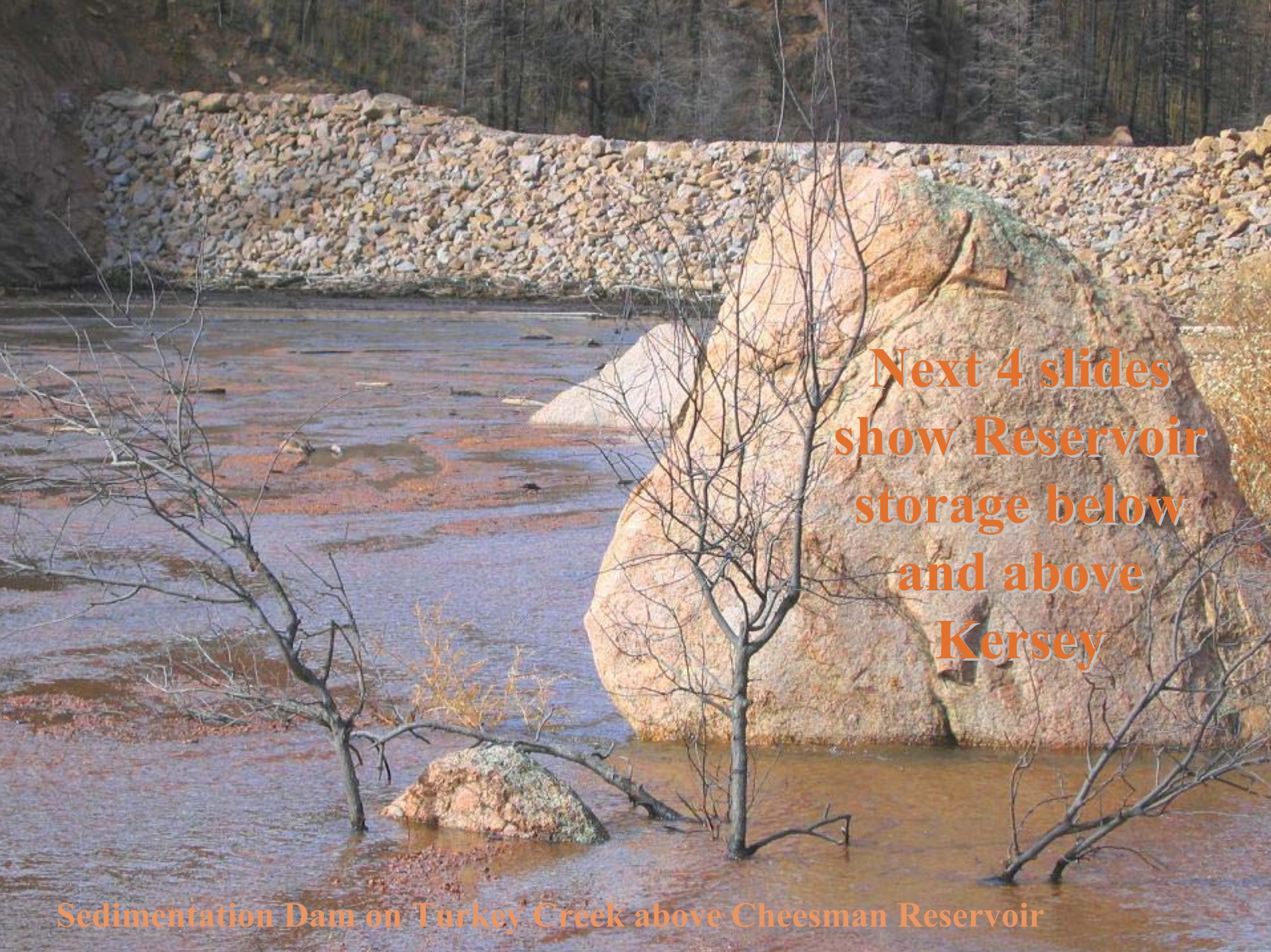
Irrigation Water Year



South Platte River at Julesburg

Irrigation Water Year



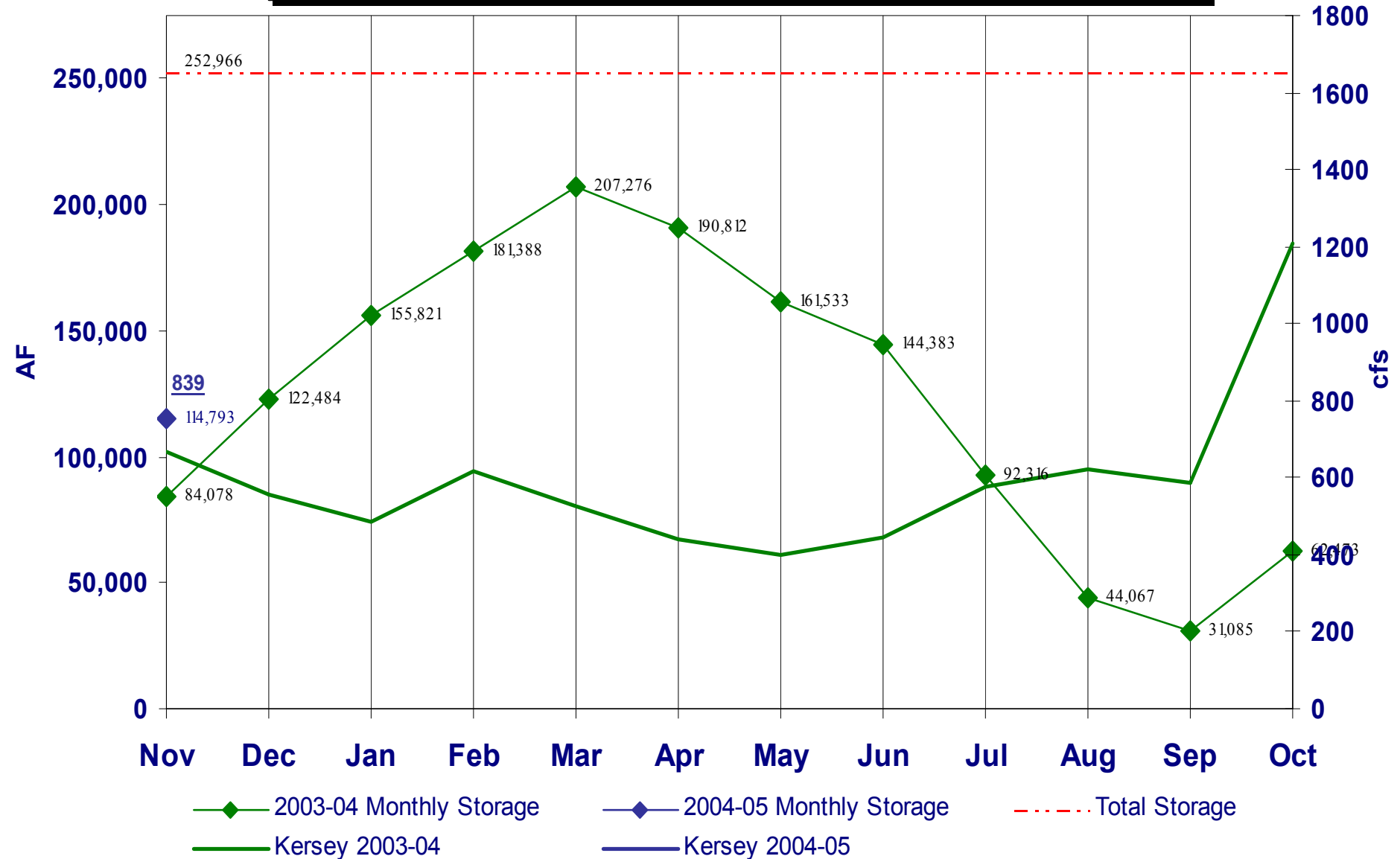


**Next 4 slides
show Reservoir
storage below
and above
Kersey**

Sedimentation Dam on Turkey Creek above Cheesman Reservoir

Reservoir Storage below Kersey

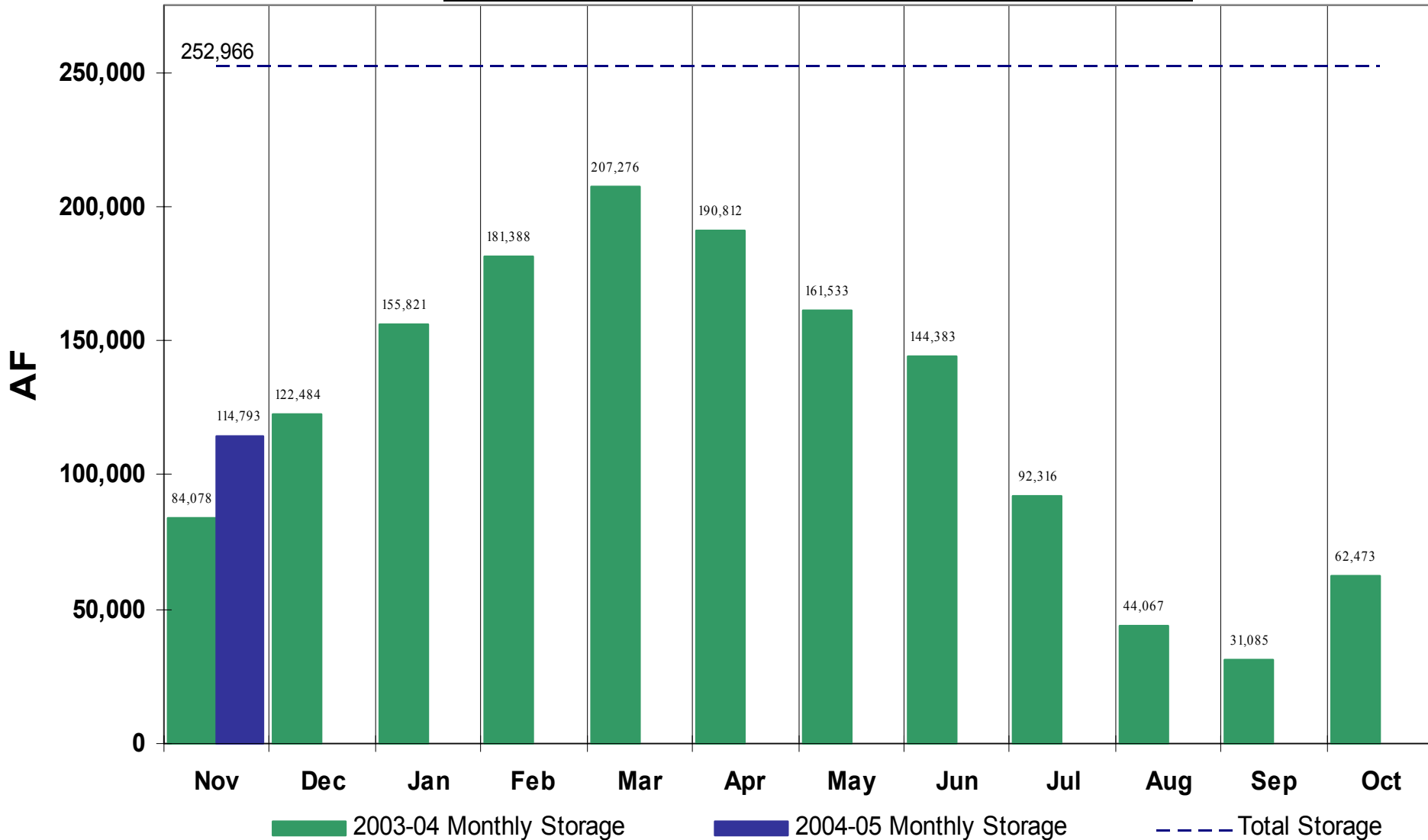
Selected Reservoirs*



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

South Platte Reservoirs

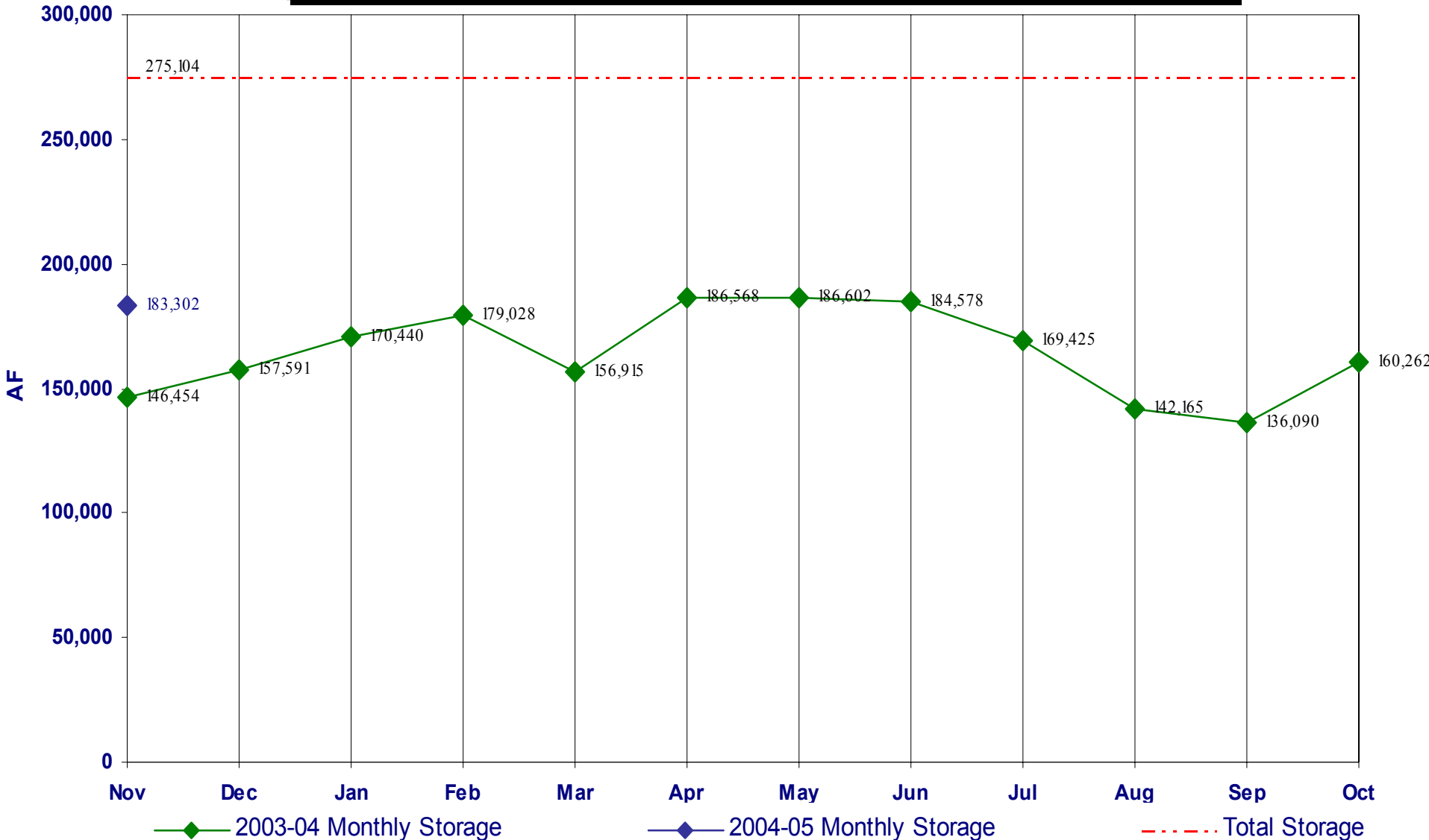
Storage below Kersey*



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

Reservoir Storage above Kersey

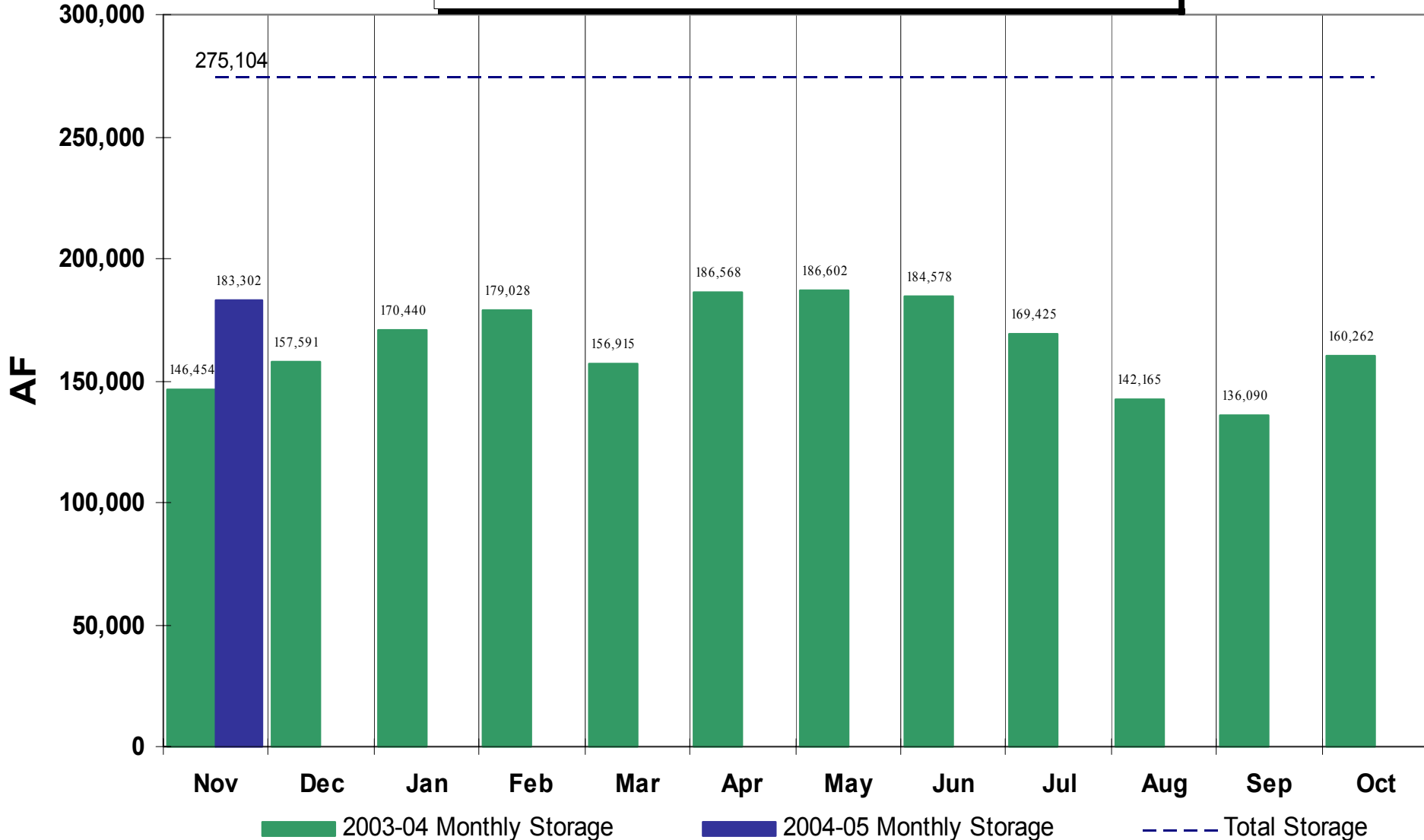
Selected Reservoirs*



*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

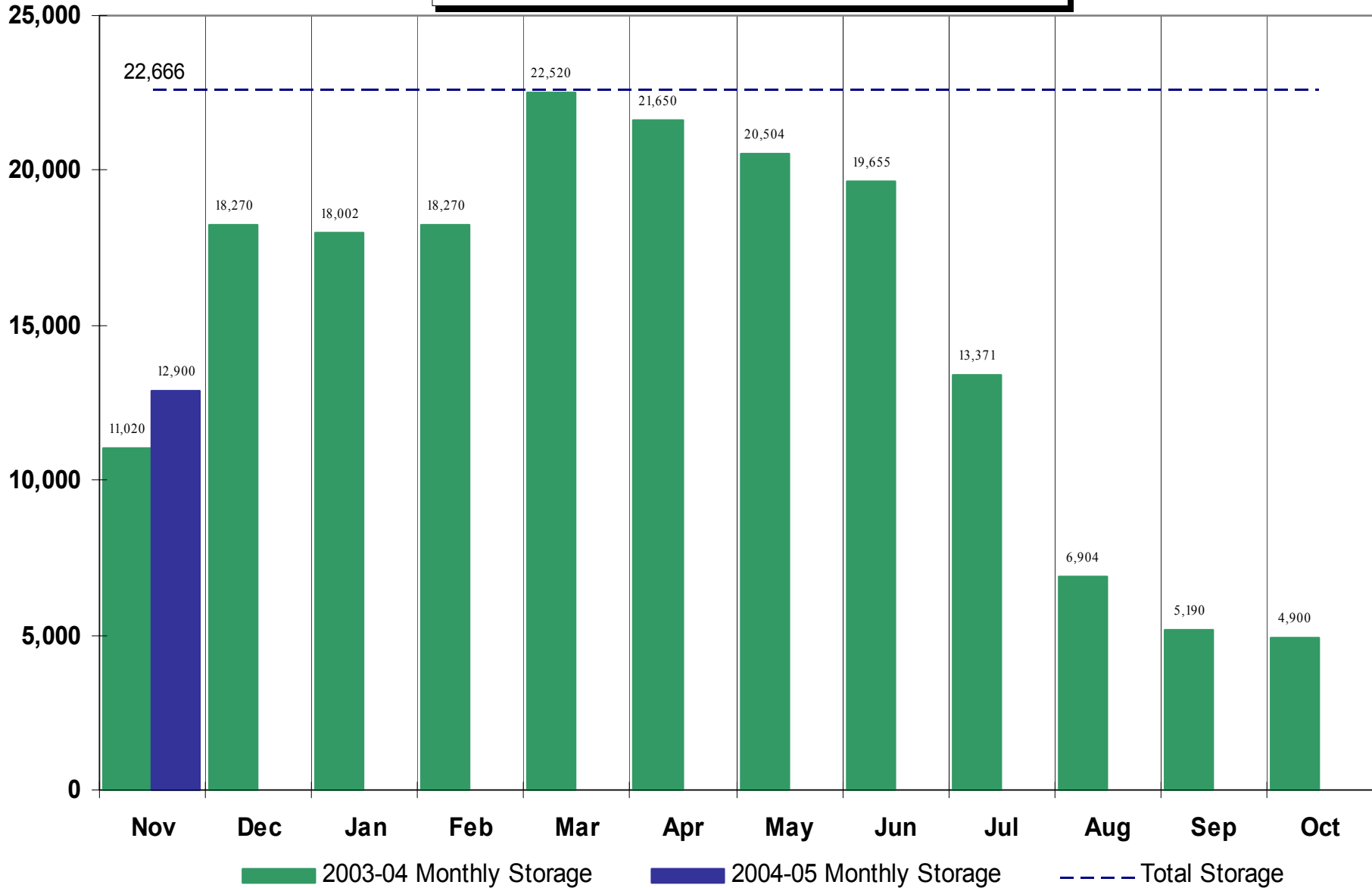
A landscape photograph of a reservoir. In the foreground, several bare trees with thin trunks and intricate branch structures stand in a field of dry, yellowish-brown grass. The trees are mostly without leaves, suggesting a late autumn or winter setting. In the middle ground, a calm body of water reflects the sky and the surrounding trees. The far shore is a rocky embankment with sparse, low-lying vegetation. The sky is a pale, overcast blue. The overall scene is quiet and somewhat desolate.

**Individual
Reservoir
Storage
follows:**

McLellan Reservoir

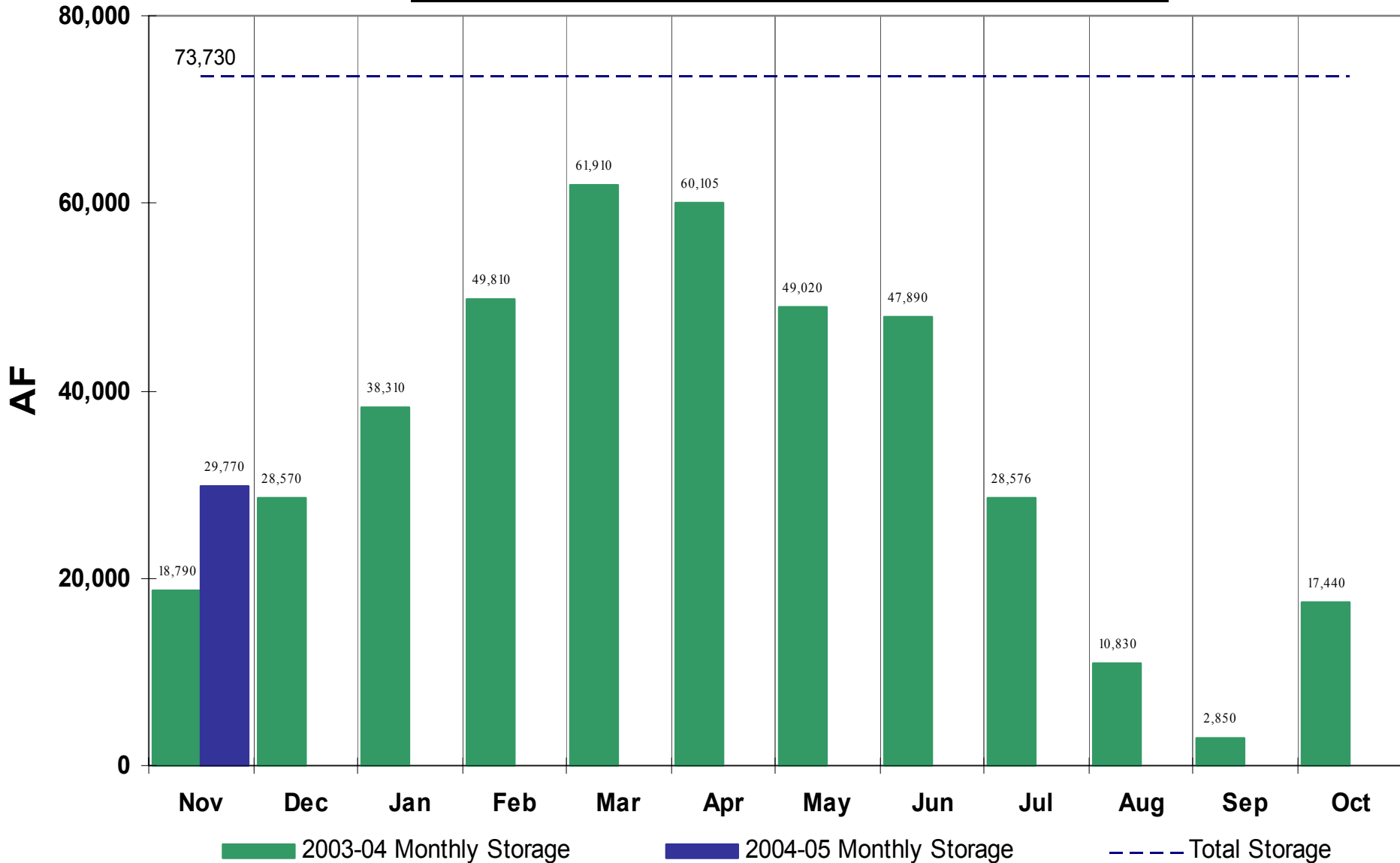
Julesburg Reservoir

(Agricultural)

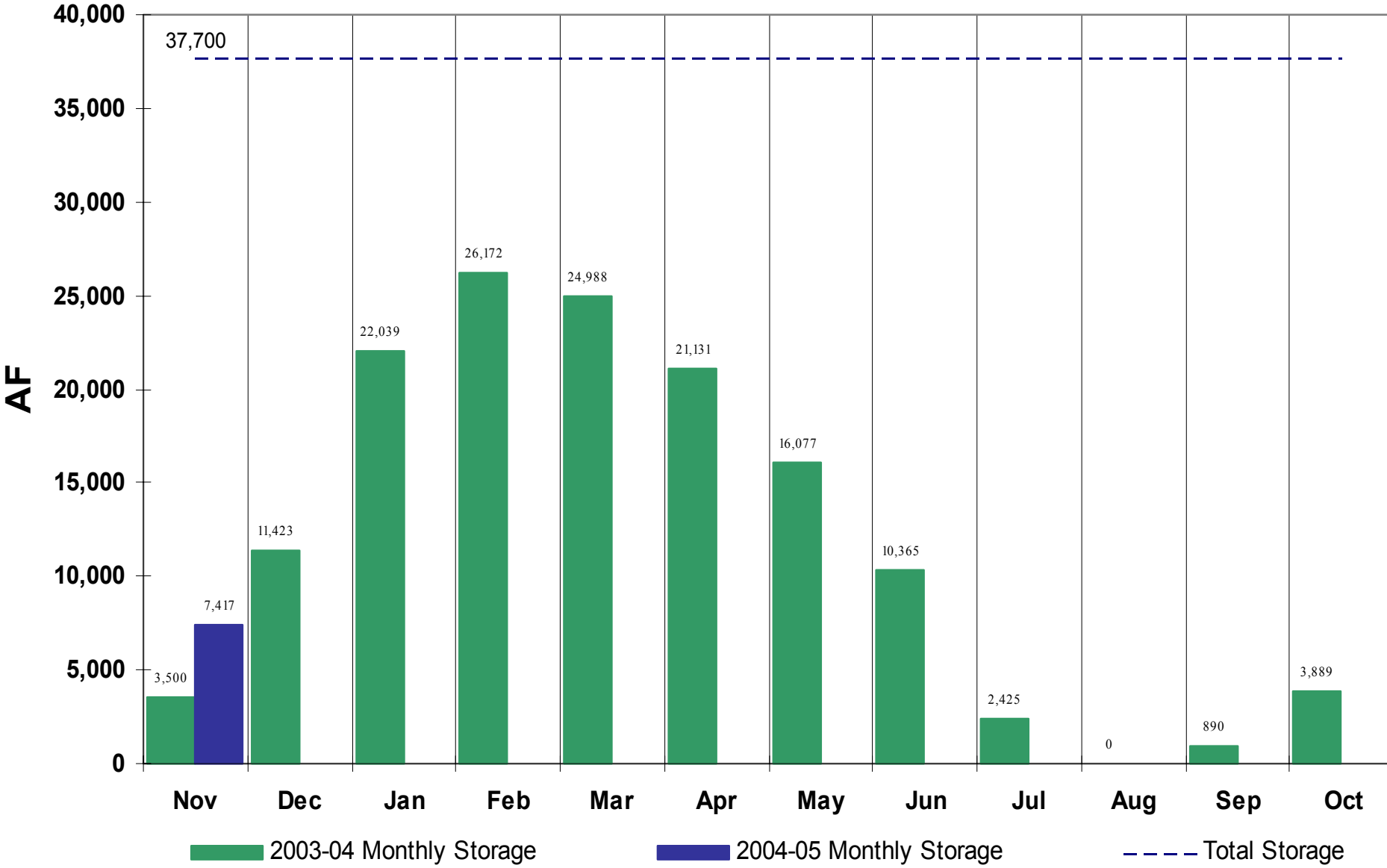


North Sterling Reservoir

(Agricultural)

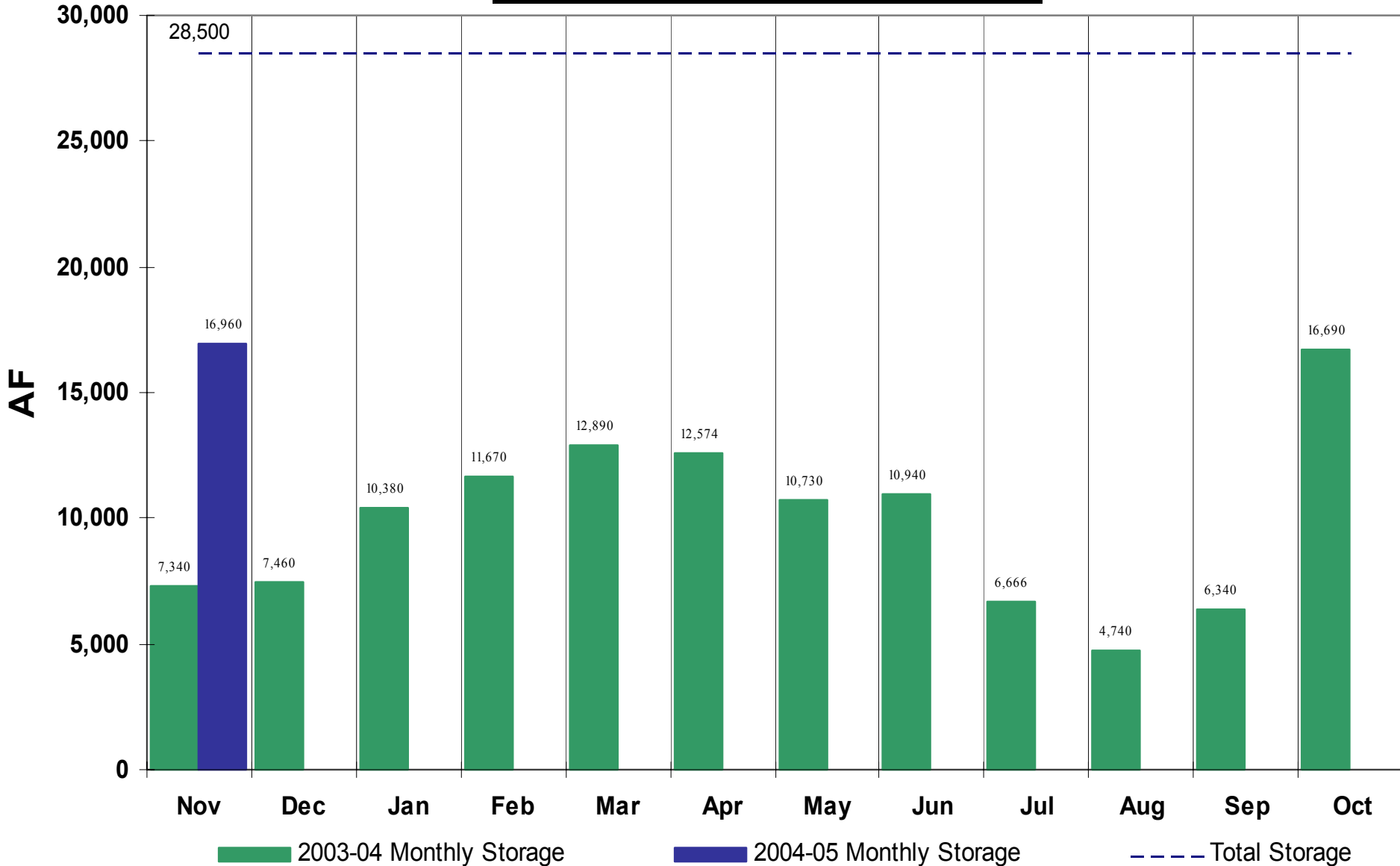


Empire Reservoir (Agricultural)



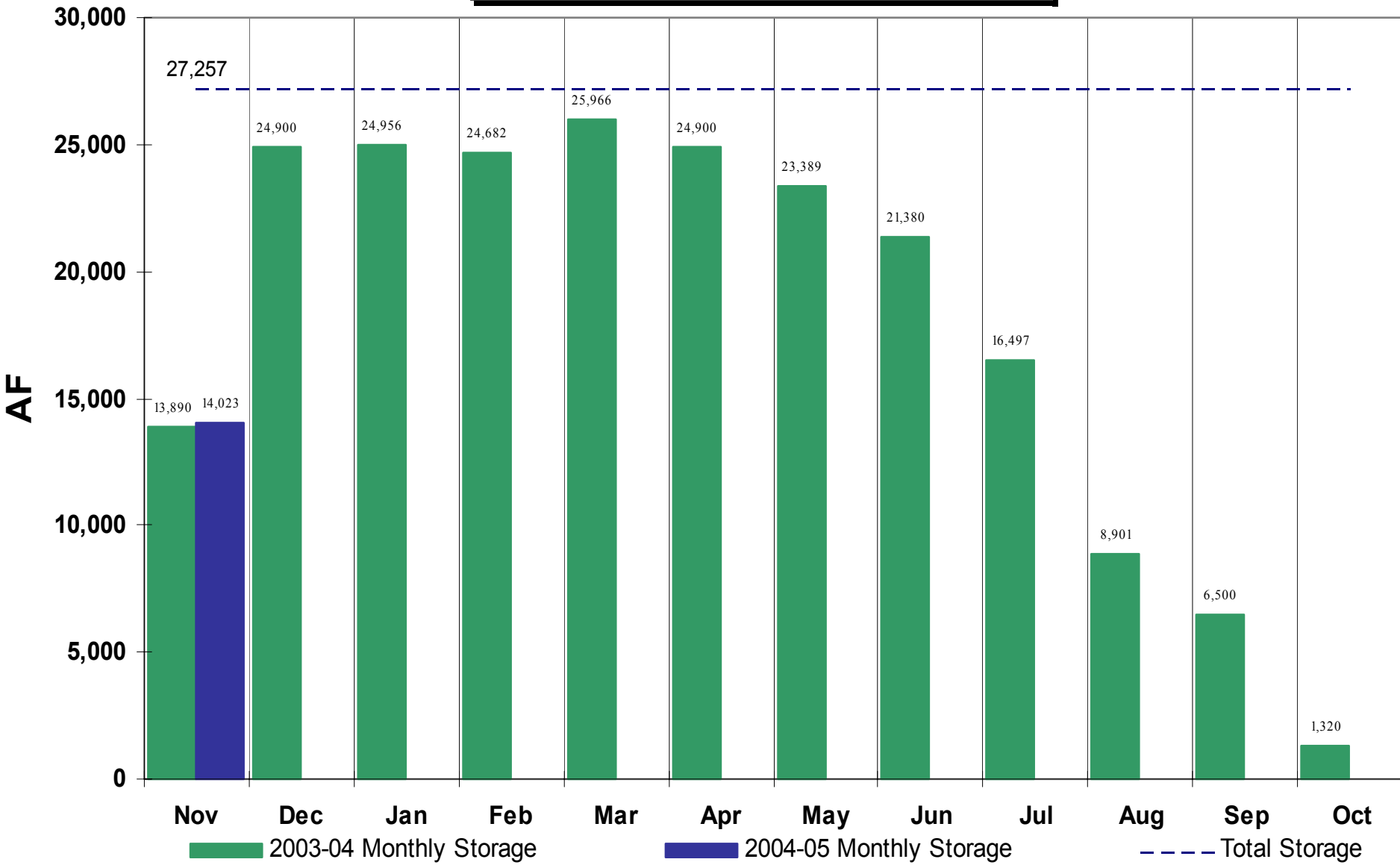
Prewitt Reservoir

(Agricultural)



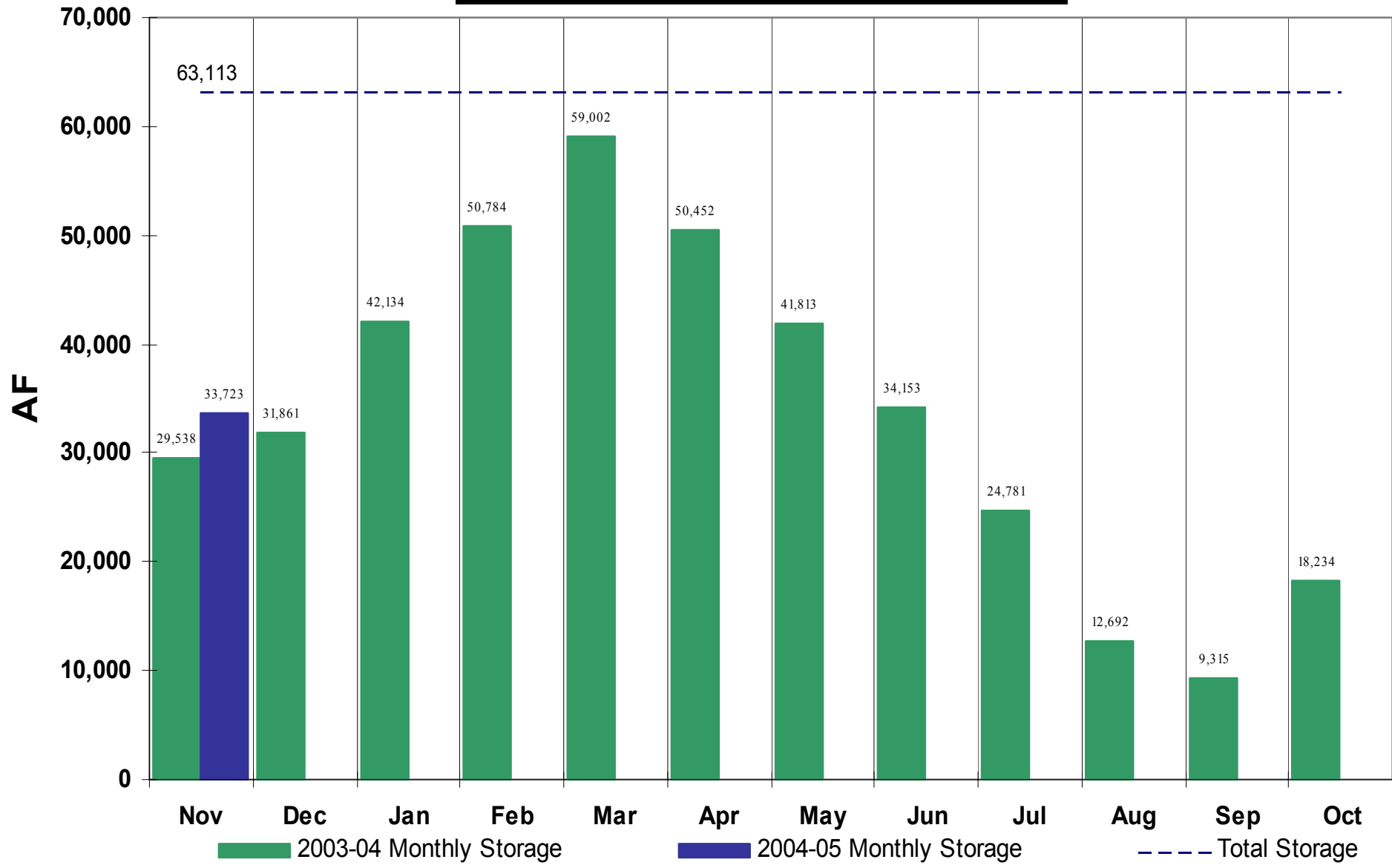
Jackson Reservoir

(Agricultural)



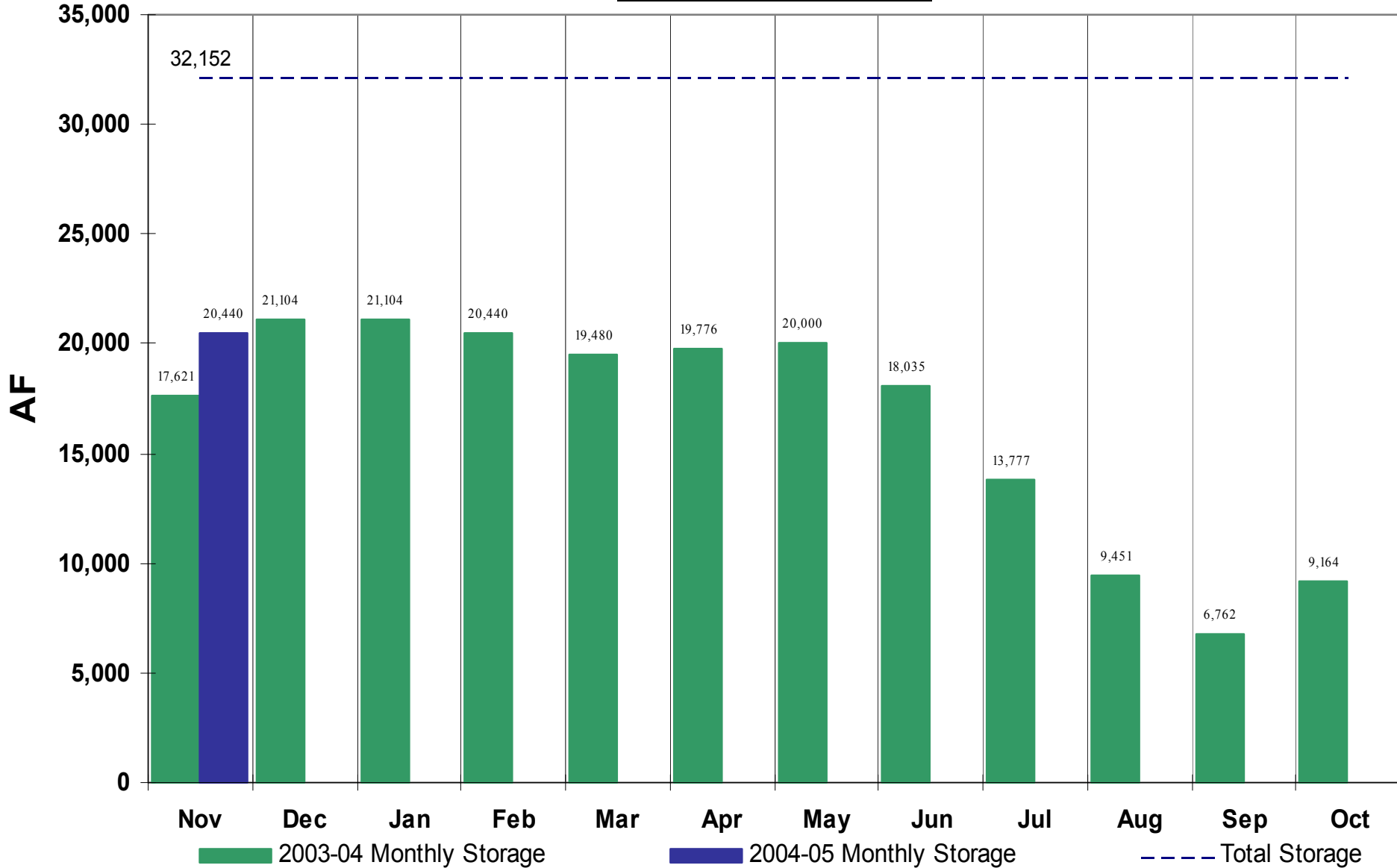
Riverside Reservoir

(Agricultural)



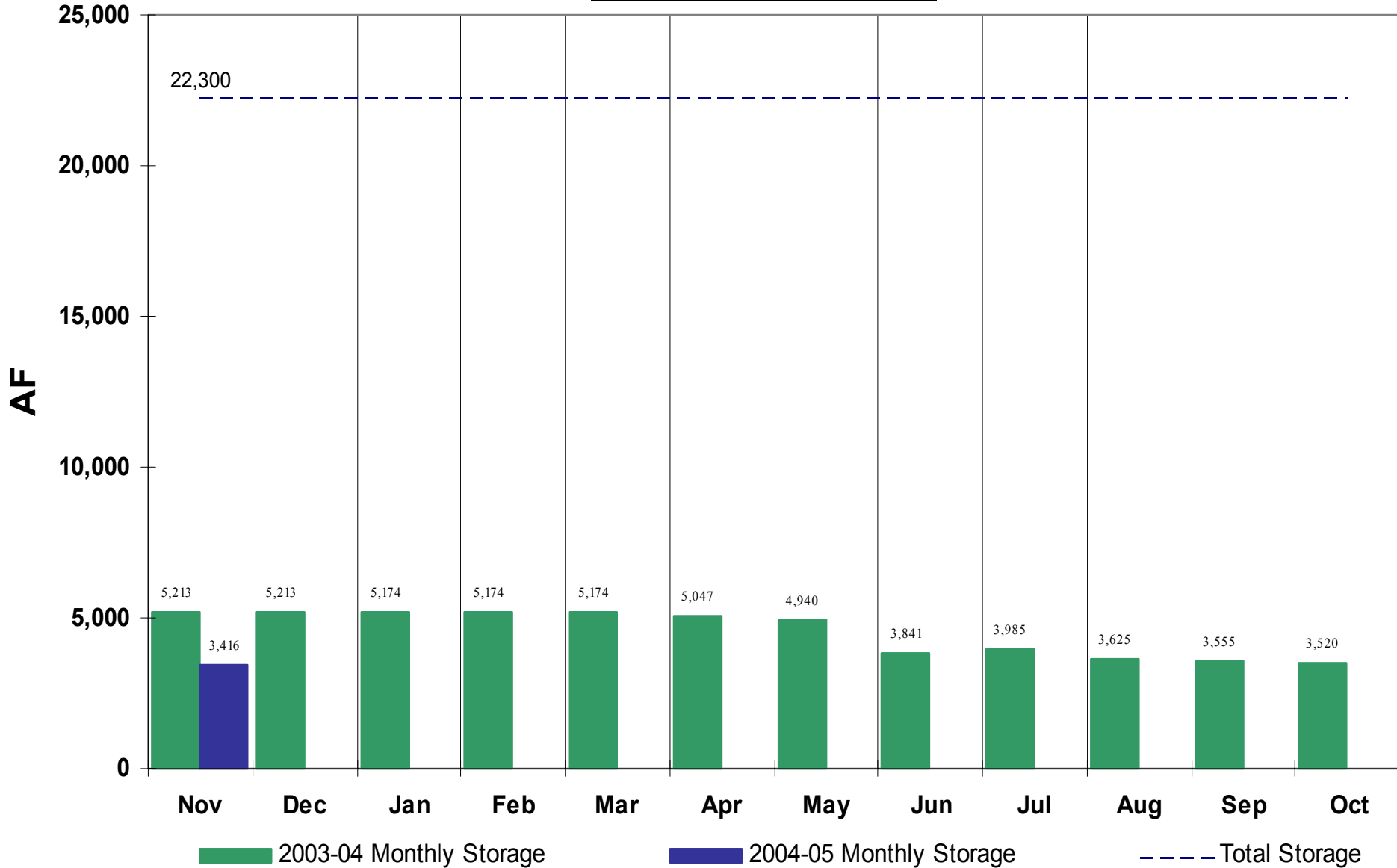
Barr Lake

(Agricultural)



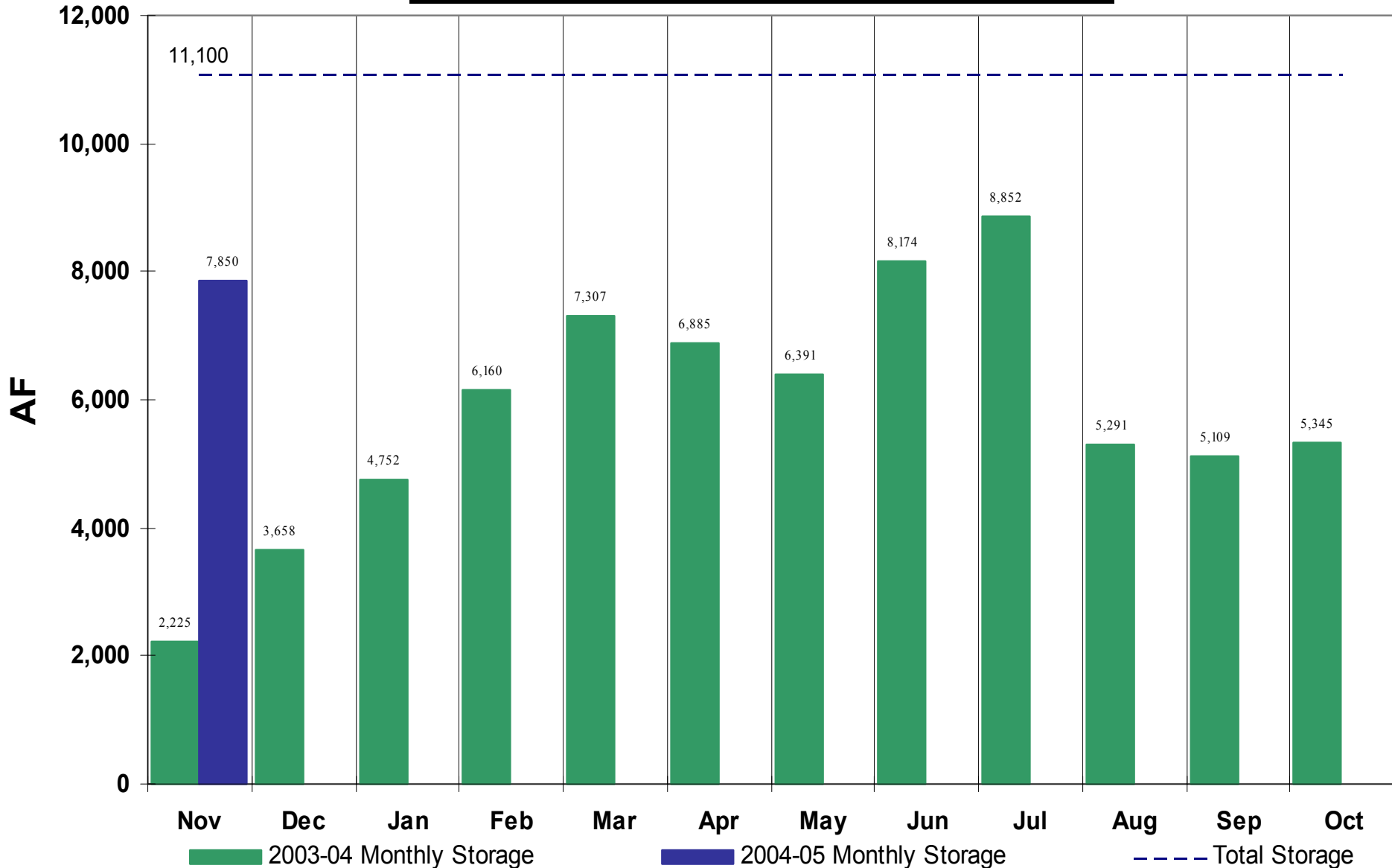
Cobb Lake

(Agricultural)



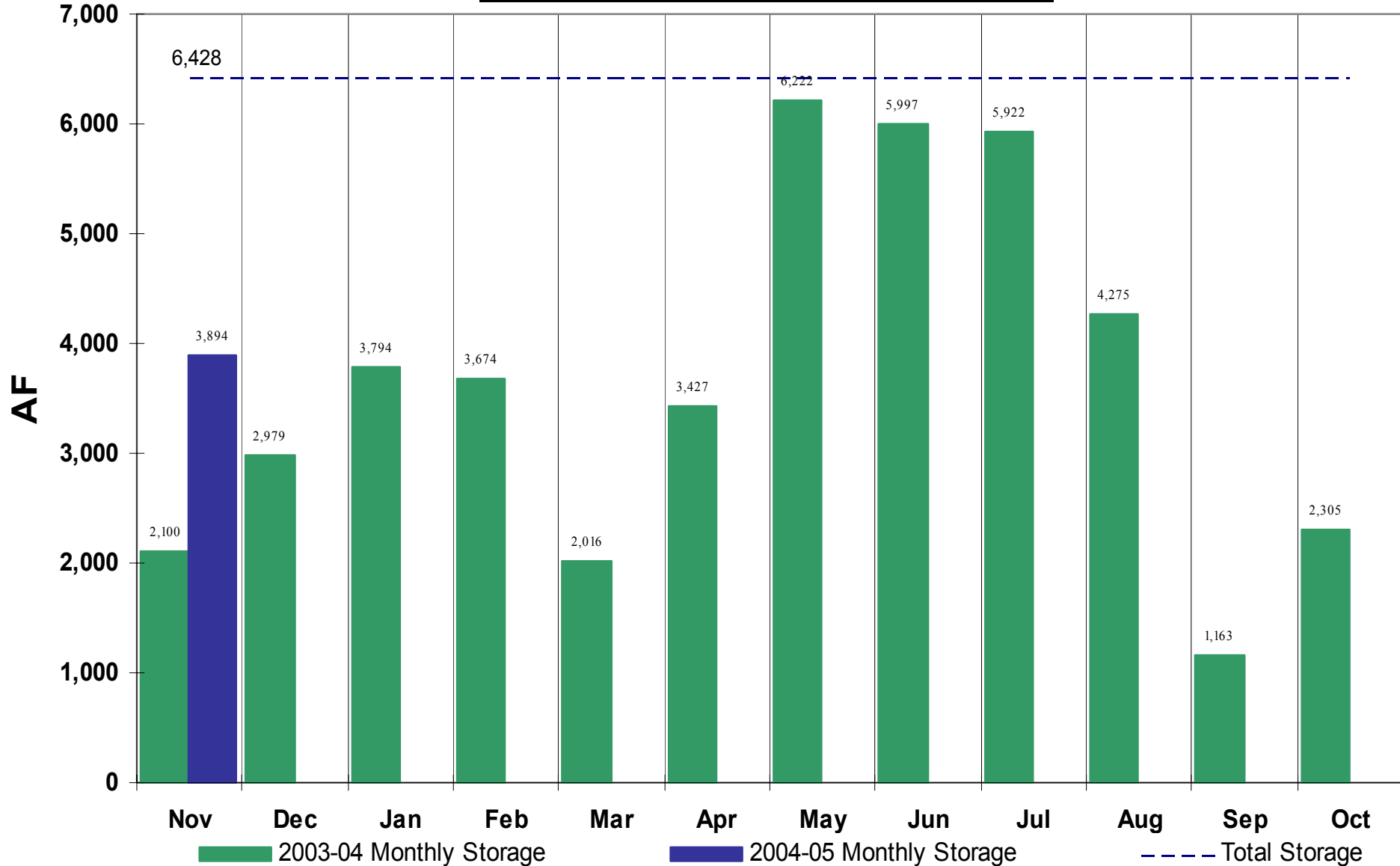
Fossil Creek Reservoir

(Agricultural)



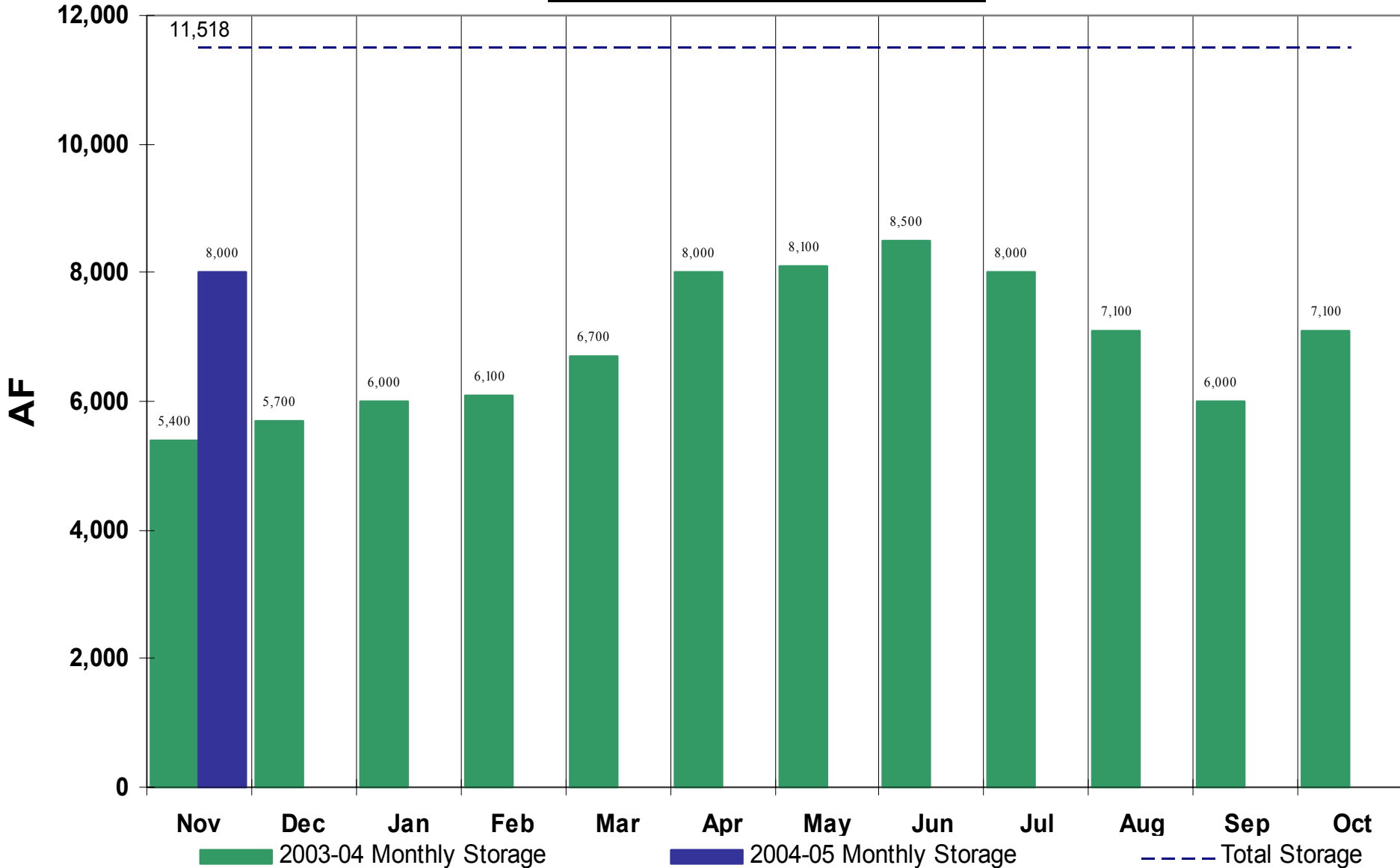
Halligan Reservoir

(Agricultural)



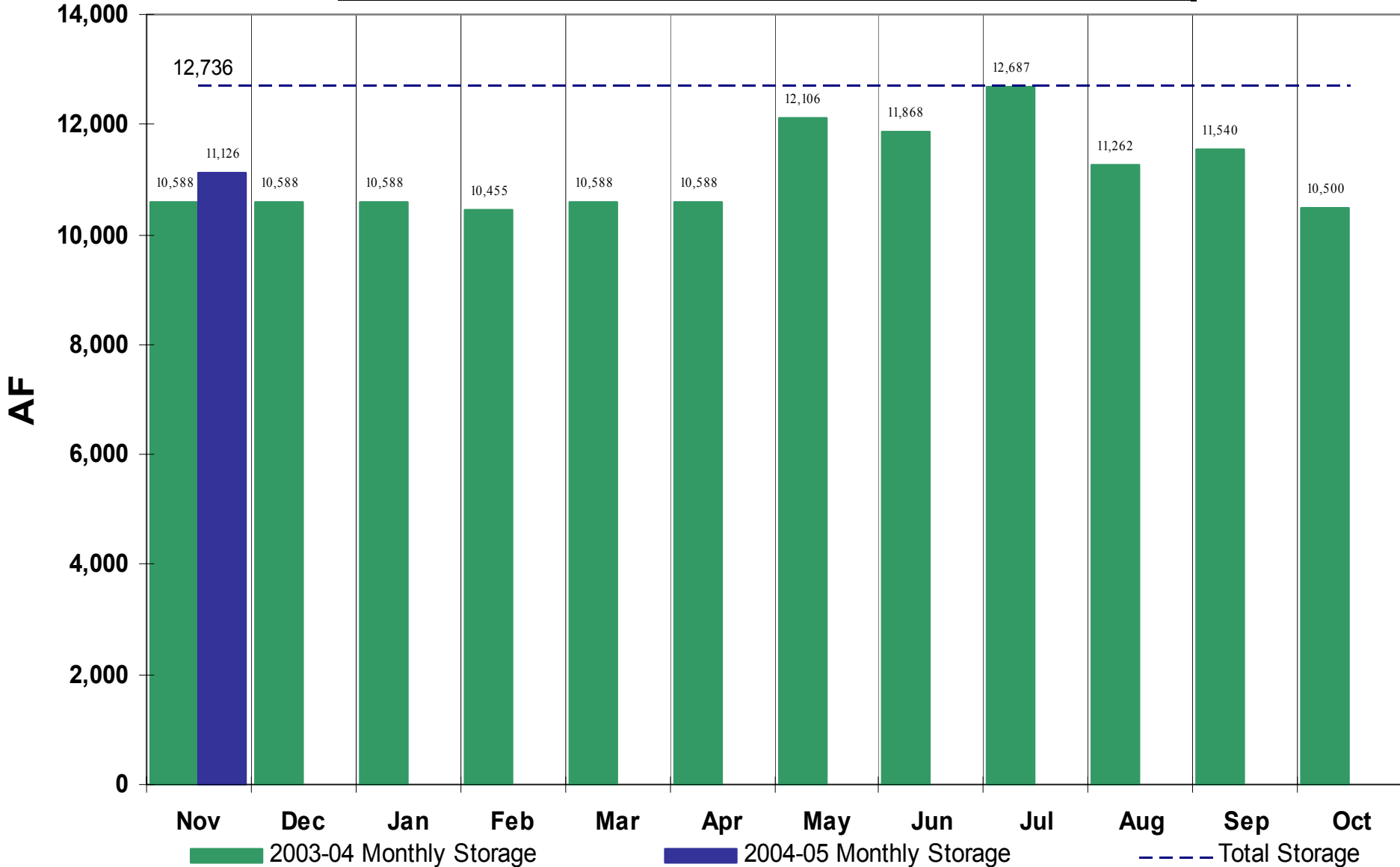
Marshall Lake

(Agricultural)



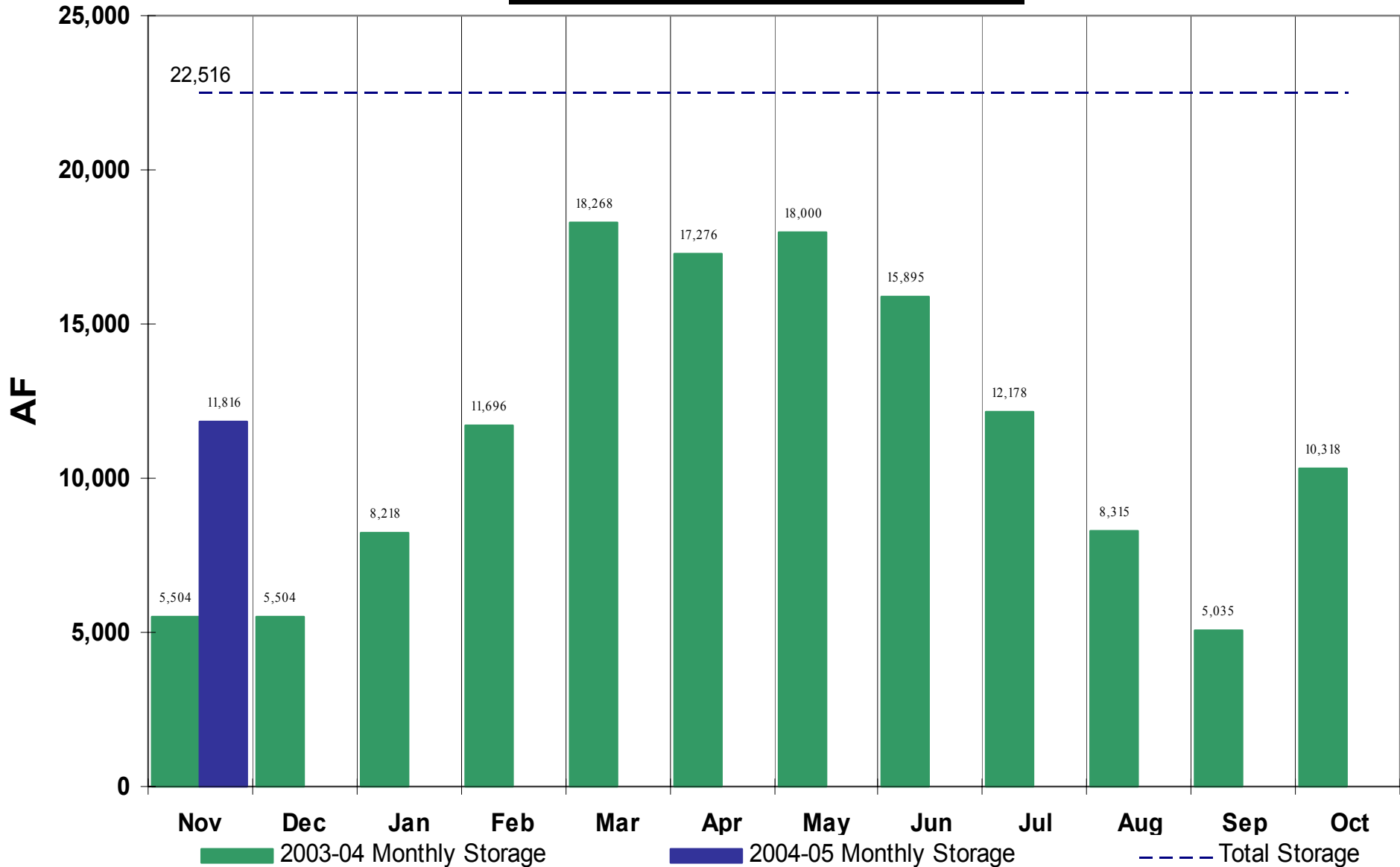
Loveland Greeley Reservoir

(Agricultural)

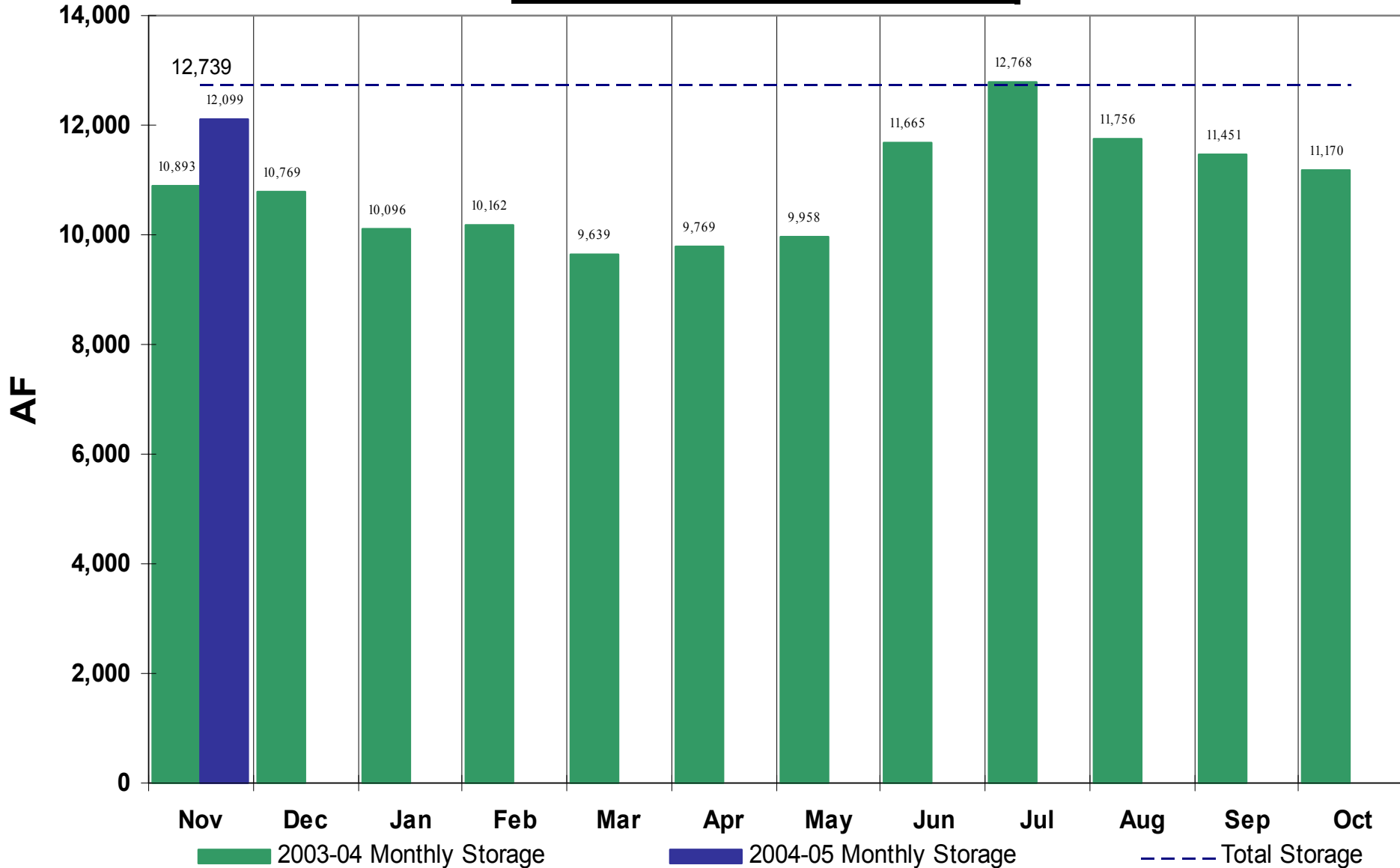


Milton Reservoir

(Agricultural)

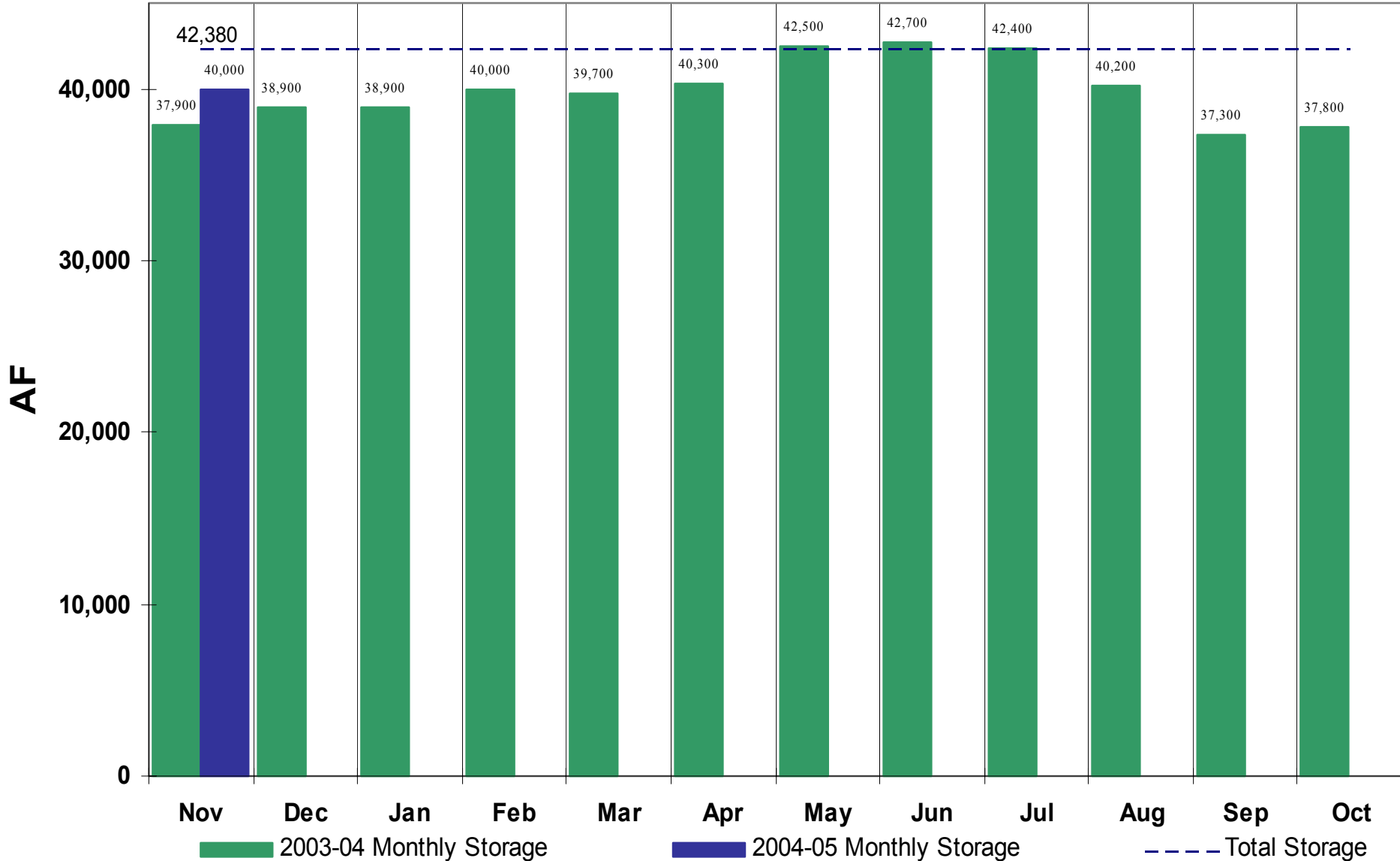


Union Reservoir (Agricultural)



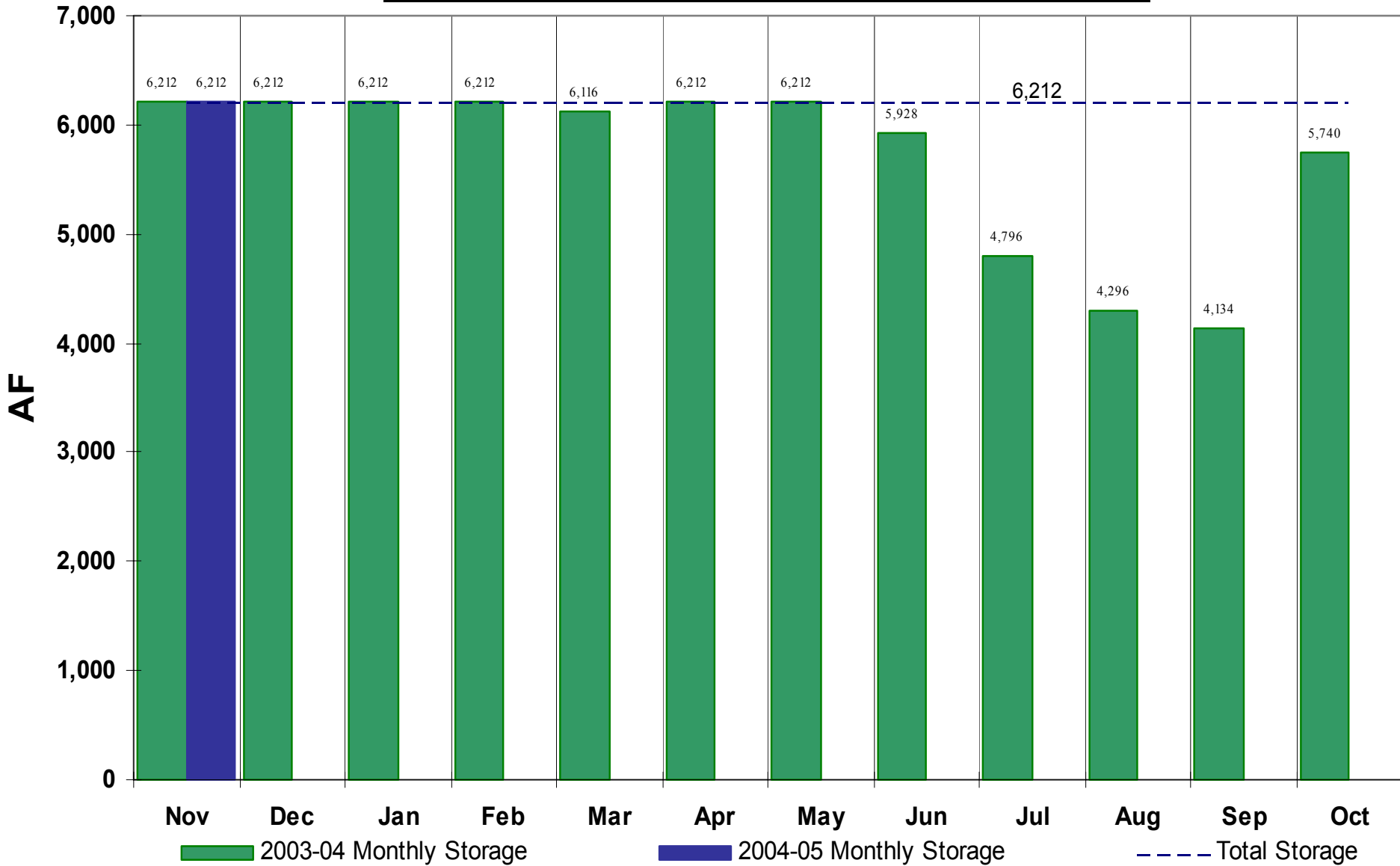
Standley Lake

(Agricultural)



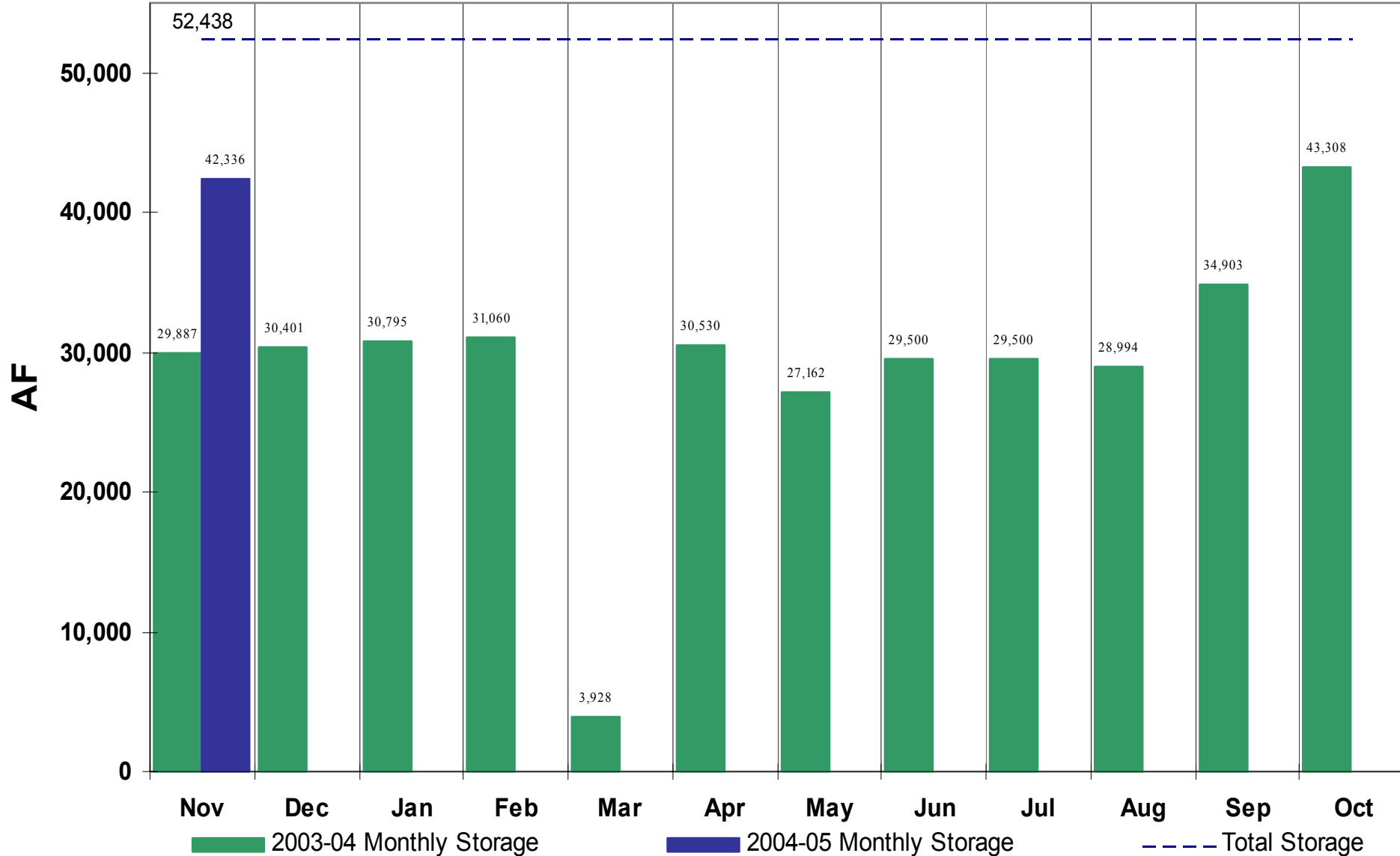
Lower Latham Reservoir

(Agricultural)



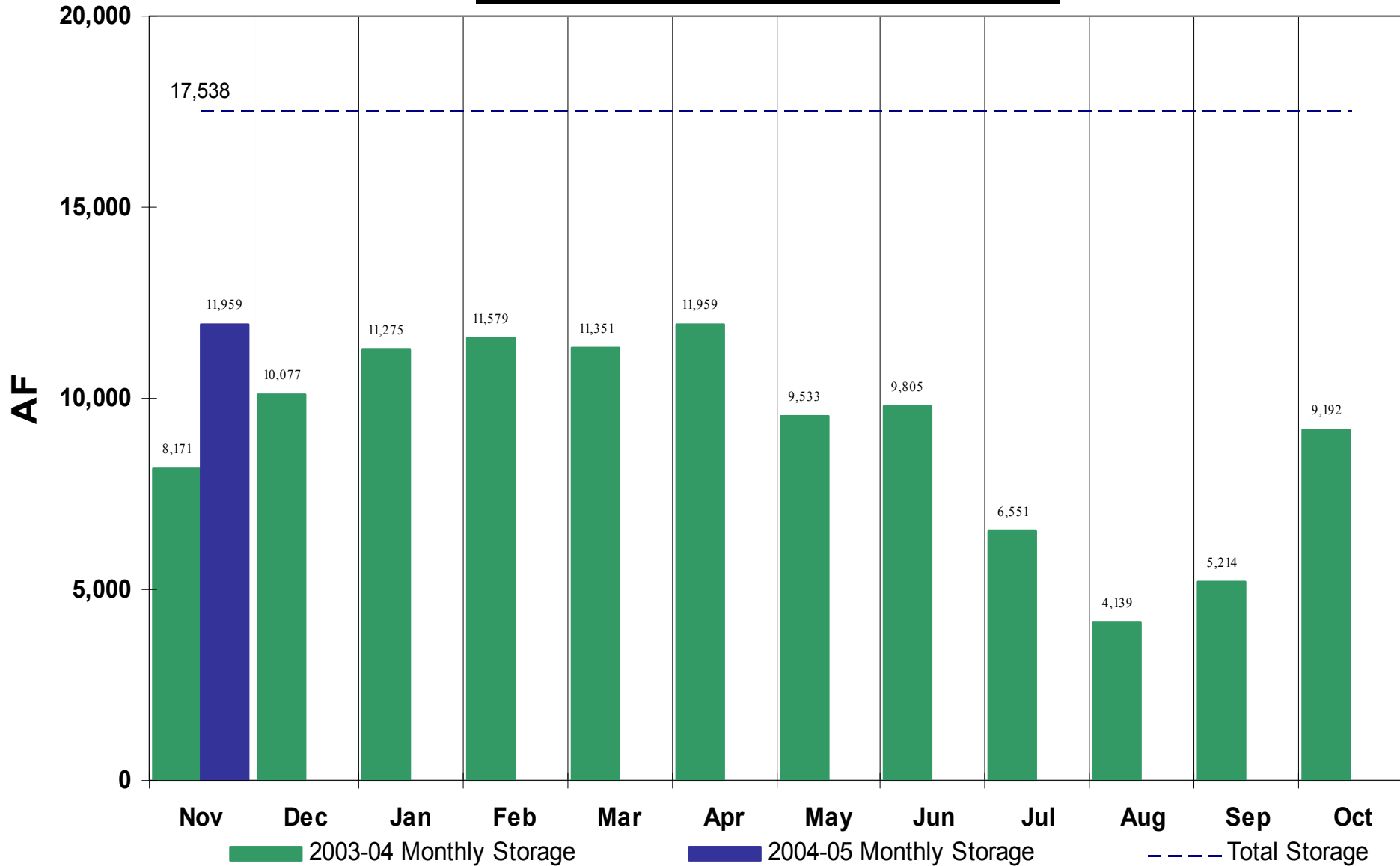
Boyd Lake

(Agricultural)



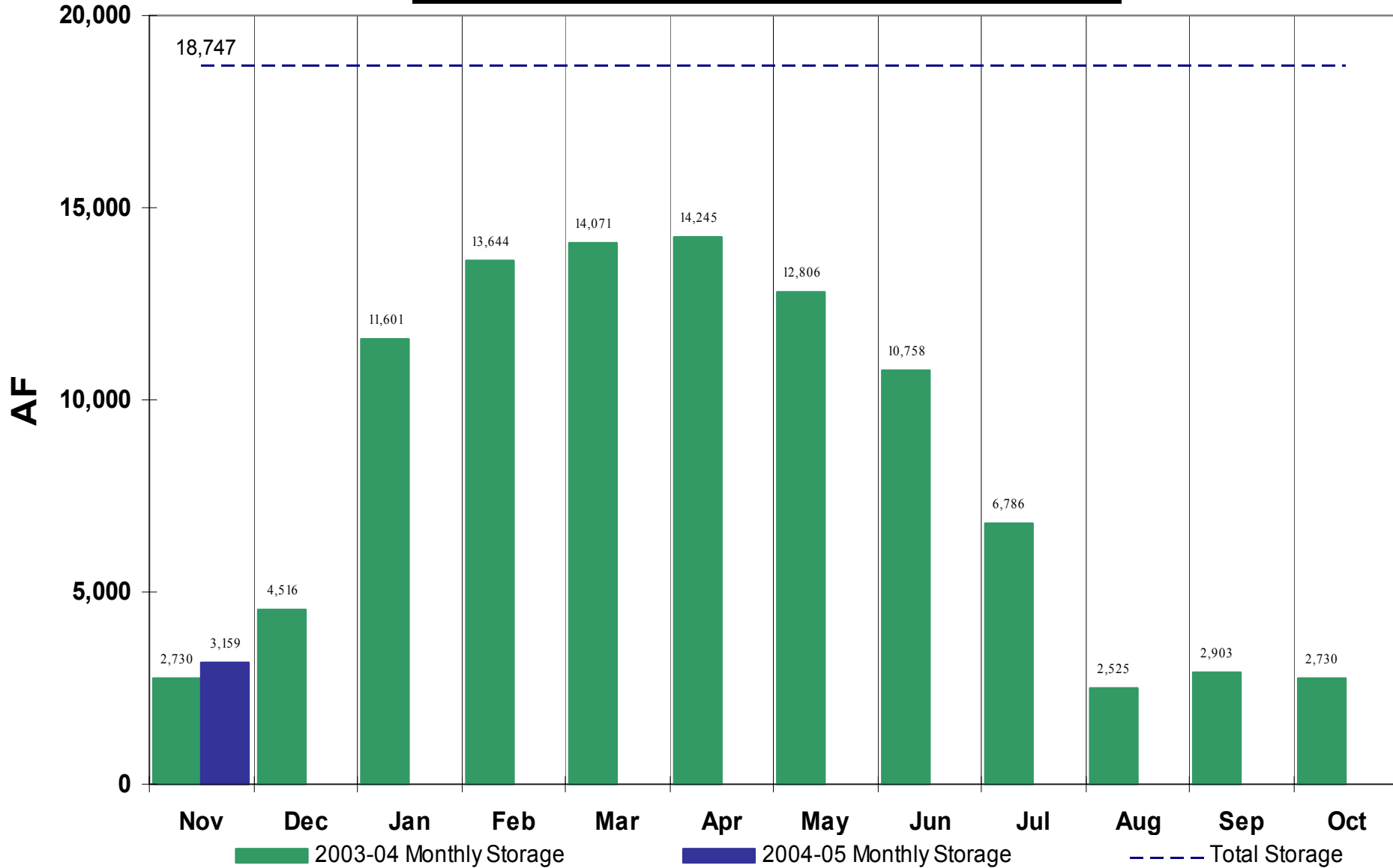
Windsor Reservoir

(Agricultural)

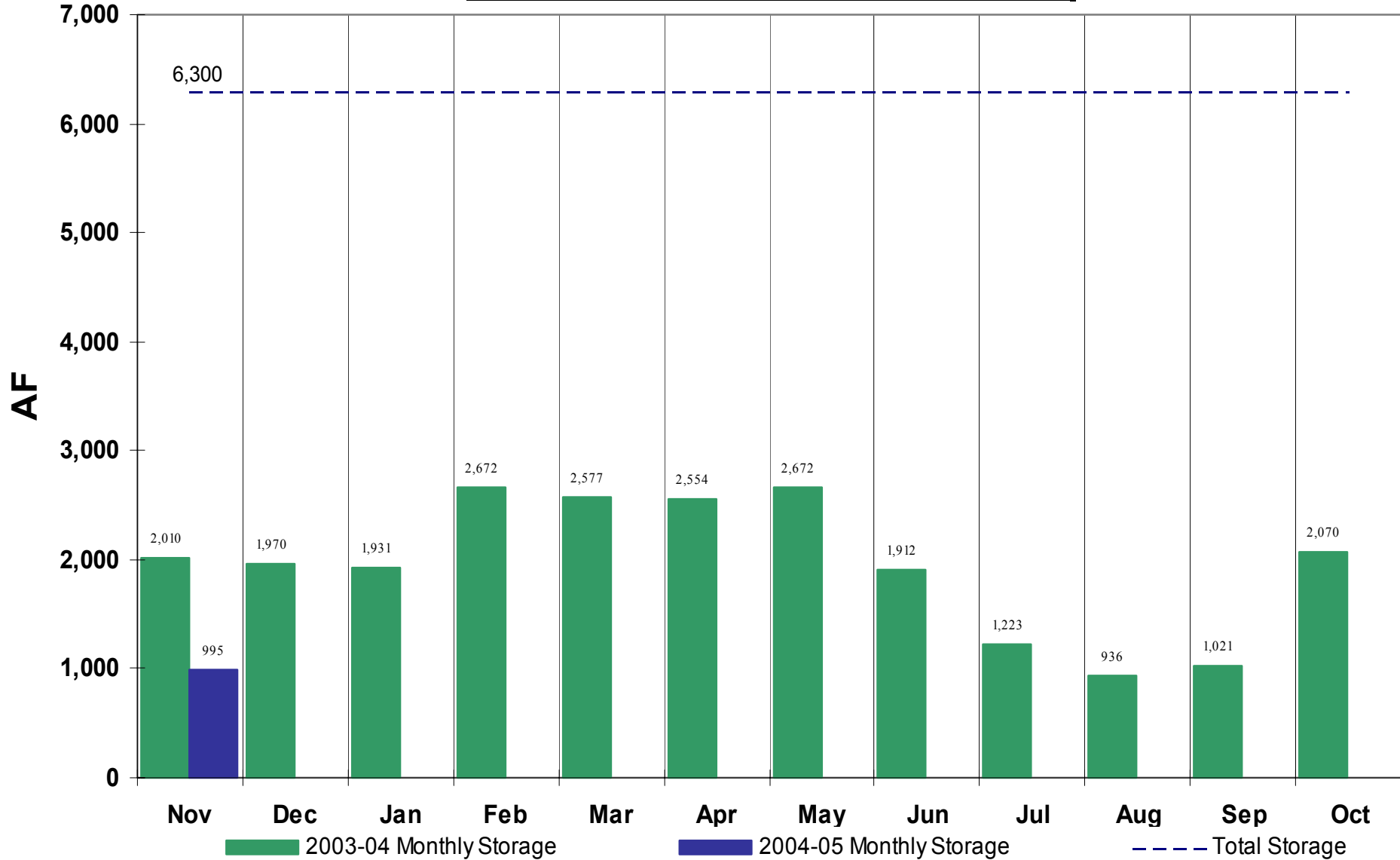


Horse Creek Reservoir

(Agricultural)

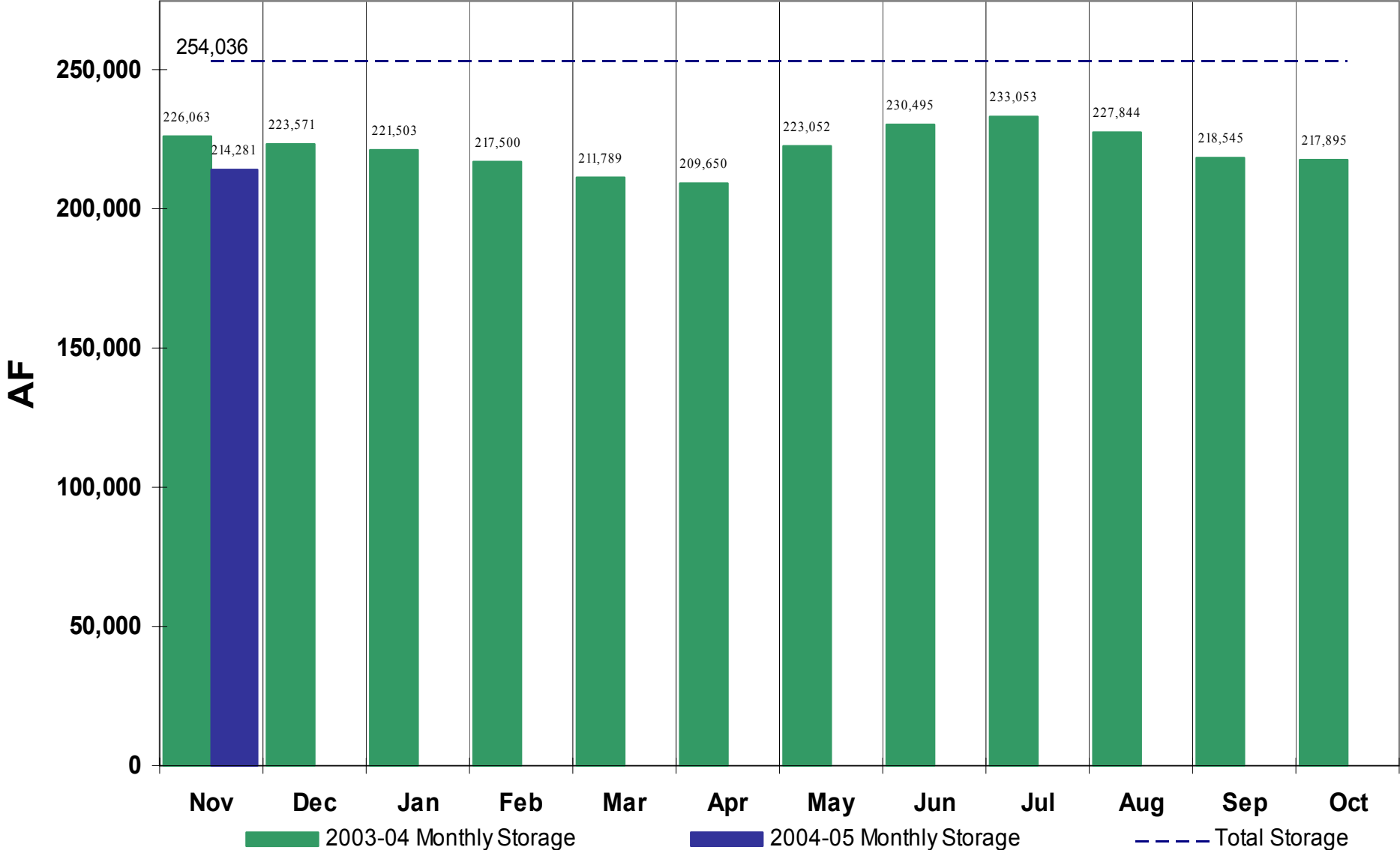


Prospect Reservoir (Agricultural)



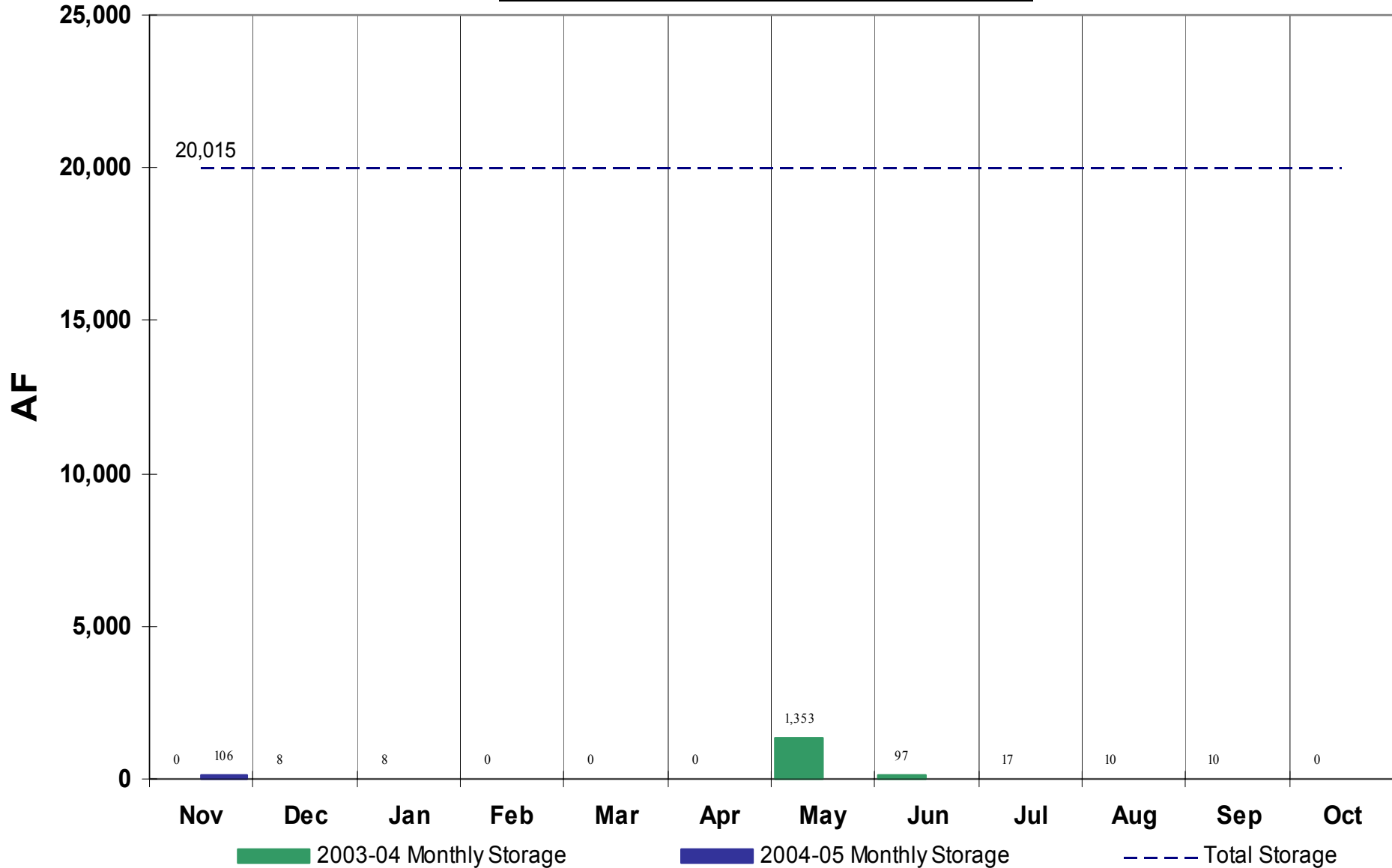
Dillon Reservoir

(Municipal)



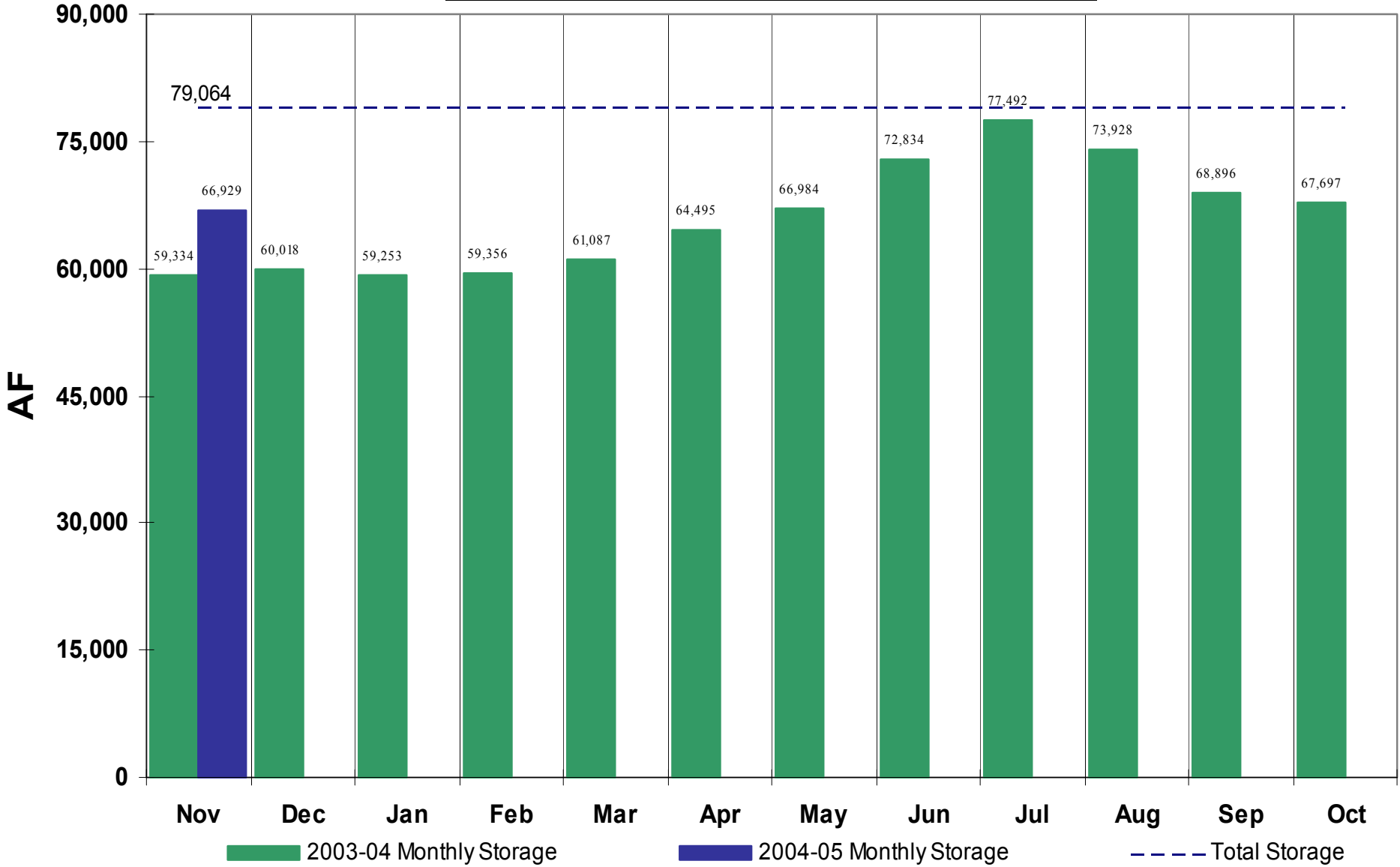
Antero Reservoir

(Municipal)



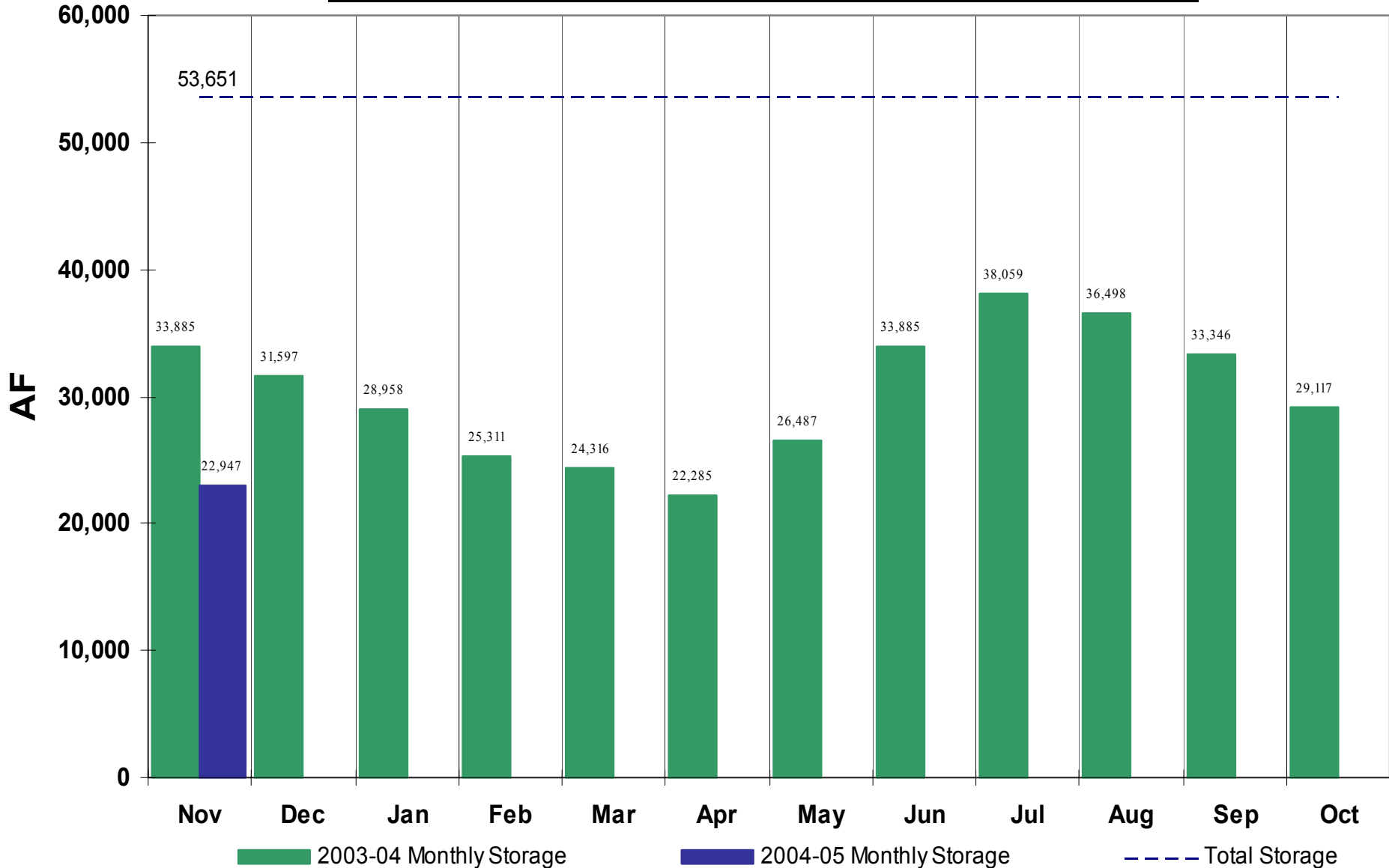
Cheesman Reservoir

(Municipal)



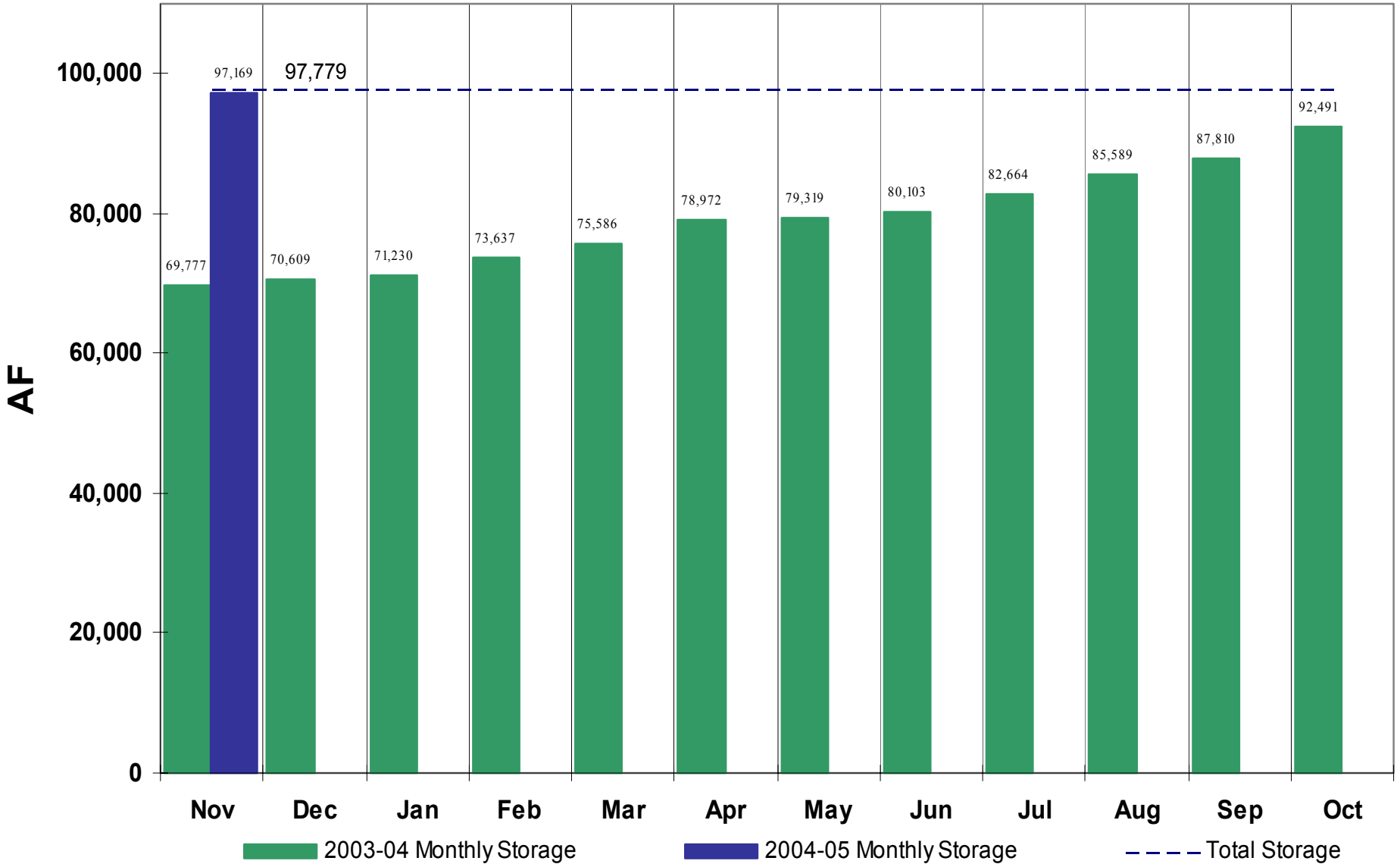
Spinney Mountain Reservoir

(Municipal)

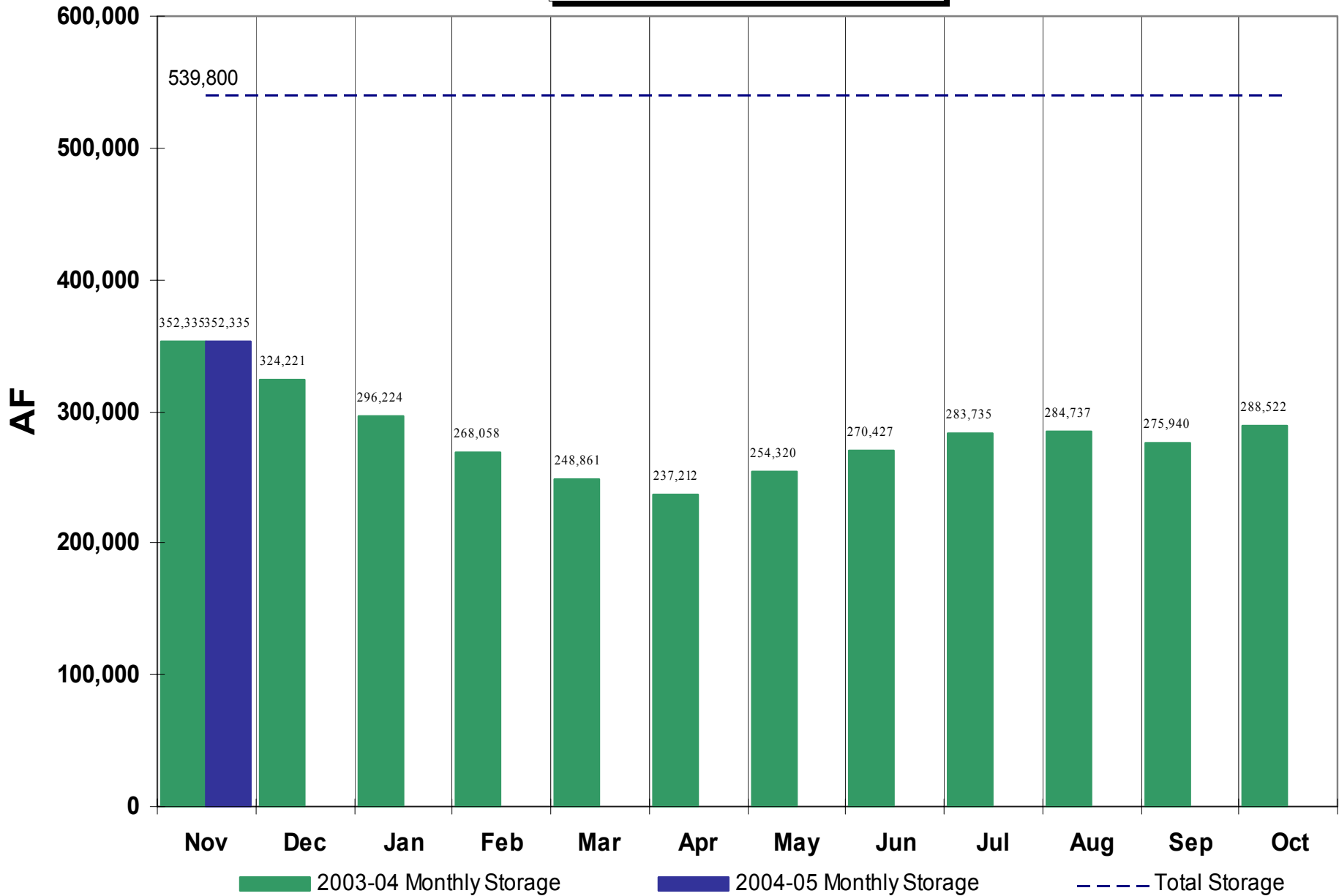



Eleven Mile Reservoir

(Municipal)



Lake Granby





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

Denver Conduit No. 20