



South Platte Summary

October 2004

**By Claudia Engelmann for
The Colorado Division of
Water Resources**

Warren Lake

COLORADO DIVISION OF WATER RESOURCES, DIVISION 1

MONTH OF OCTOBER 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	5,190	4,900	64	-290	-6%	22%	10%	0
NORTH STERLING	73,730	2,850	17,440	64	14,590	512%	24%	13%	0
PREWITT	28,500	6,340	16,690	64	10,350	163%	59%	26%	0
JACKSON	27,257	6,500	1,320	1	-5,180	-80%	5%	13%	0
EMPIRE	37,700	890	3,889	1	2,999	337%	10%	10%	0
RIVERSIDE	63,113	9,315	18,234	1	8,919	96%	29%	23%	0
BARR LAKE	31,652	6,762	9,164	2	2,402	36%	29%	33%	0
CHEESMAN	79,064	68,896	67,697	80	-1,199	-2%	86%	75%	0
ELEVEN MILE	97,779	87,810	92,491	23	4,681	5%	95%	70%	0
SPINNEY	53,651	33,346	29,117	23	-4,229	-13%	54%	59%	0
ANTERO	20,015	10	0	23	-10	-100%	0%	0%	0

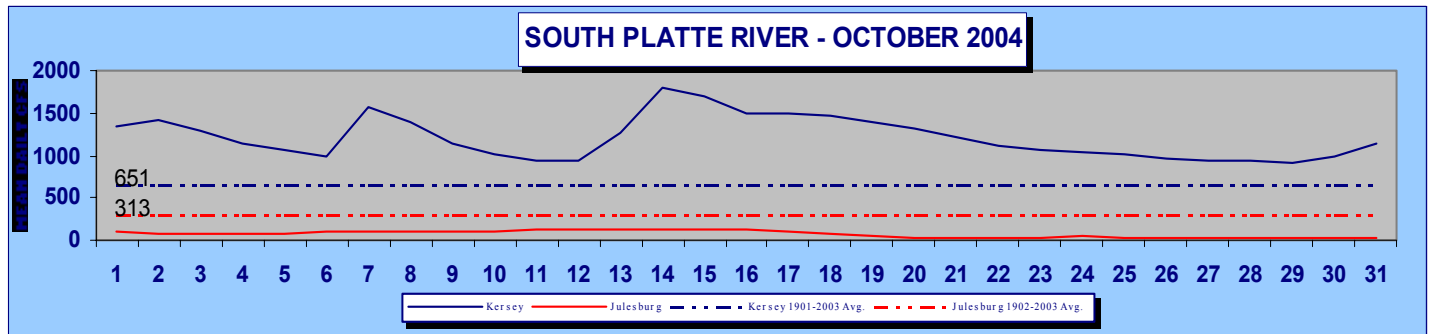
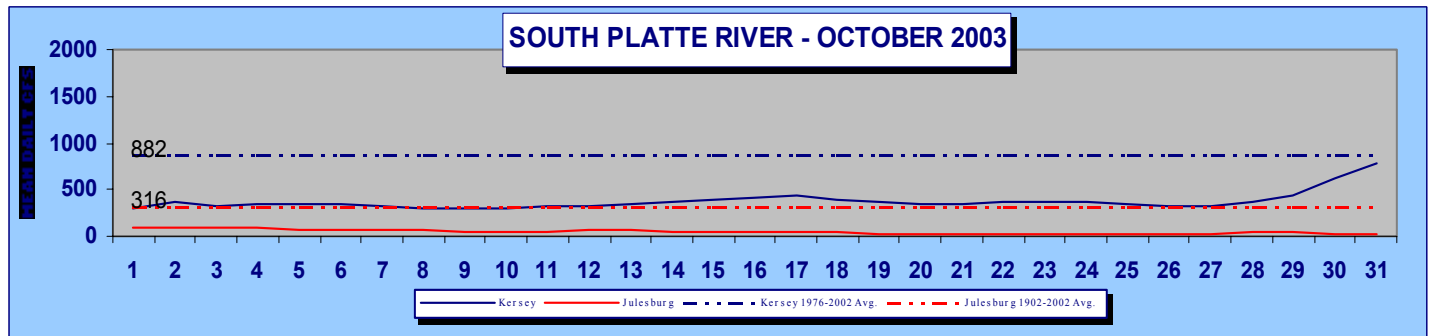
RIVER GAGES	MEAN DAILY FLOW (CFS)
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KERSEY	1,207
JULESBURG	74

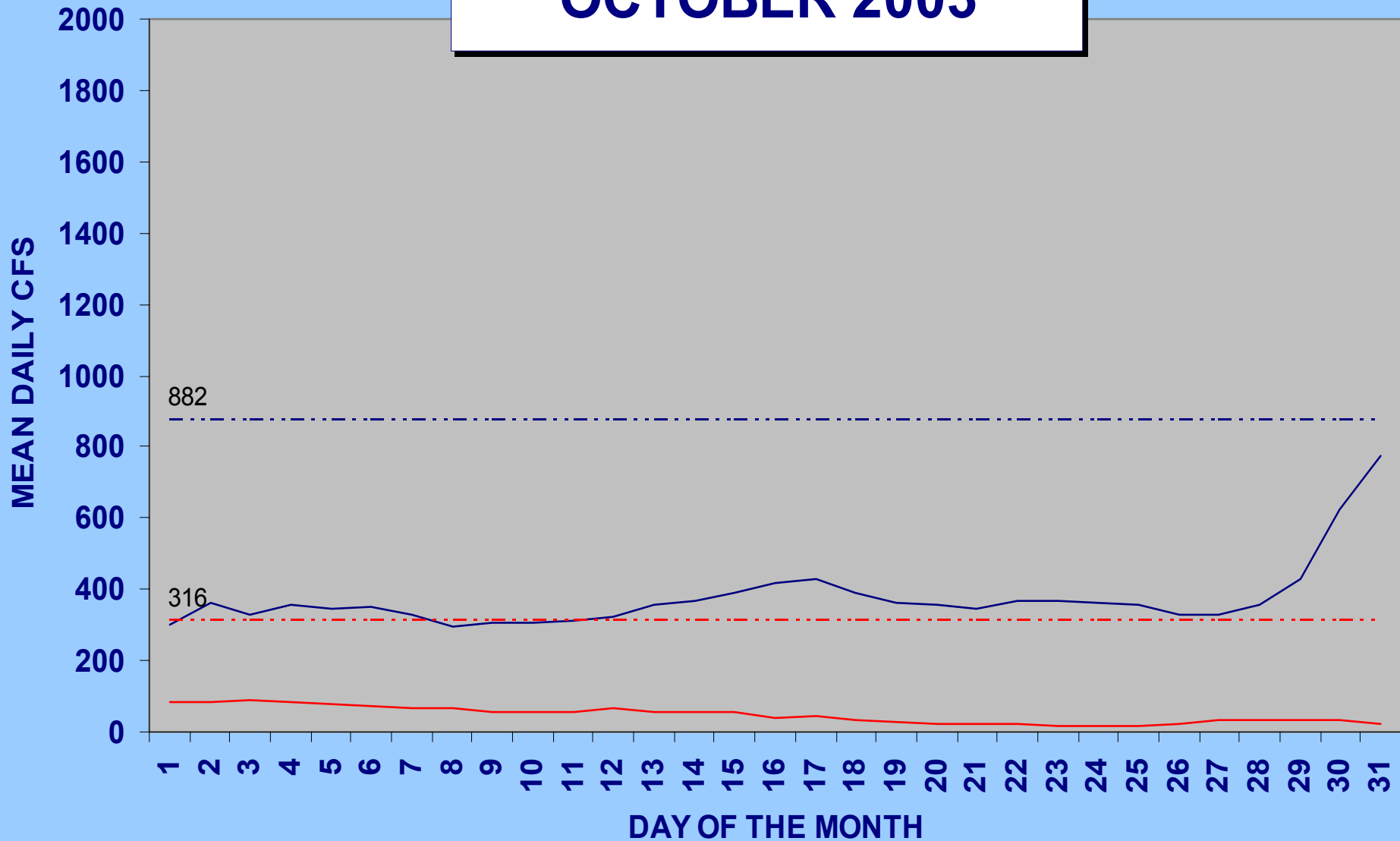
THIS MONTH LAST YEAR	
KERSEY	375
JULESBURG	47

MEAN FOR PERIOD OF RECORD*	
KERSEY	651
JULESBURG	313

* 1901-2003
1902-2003

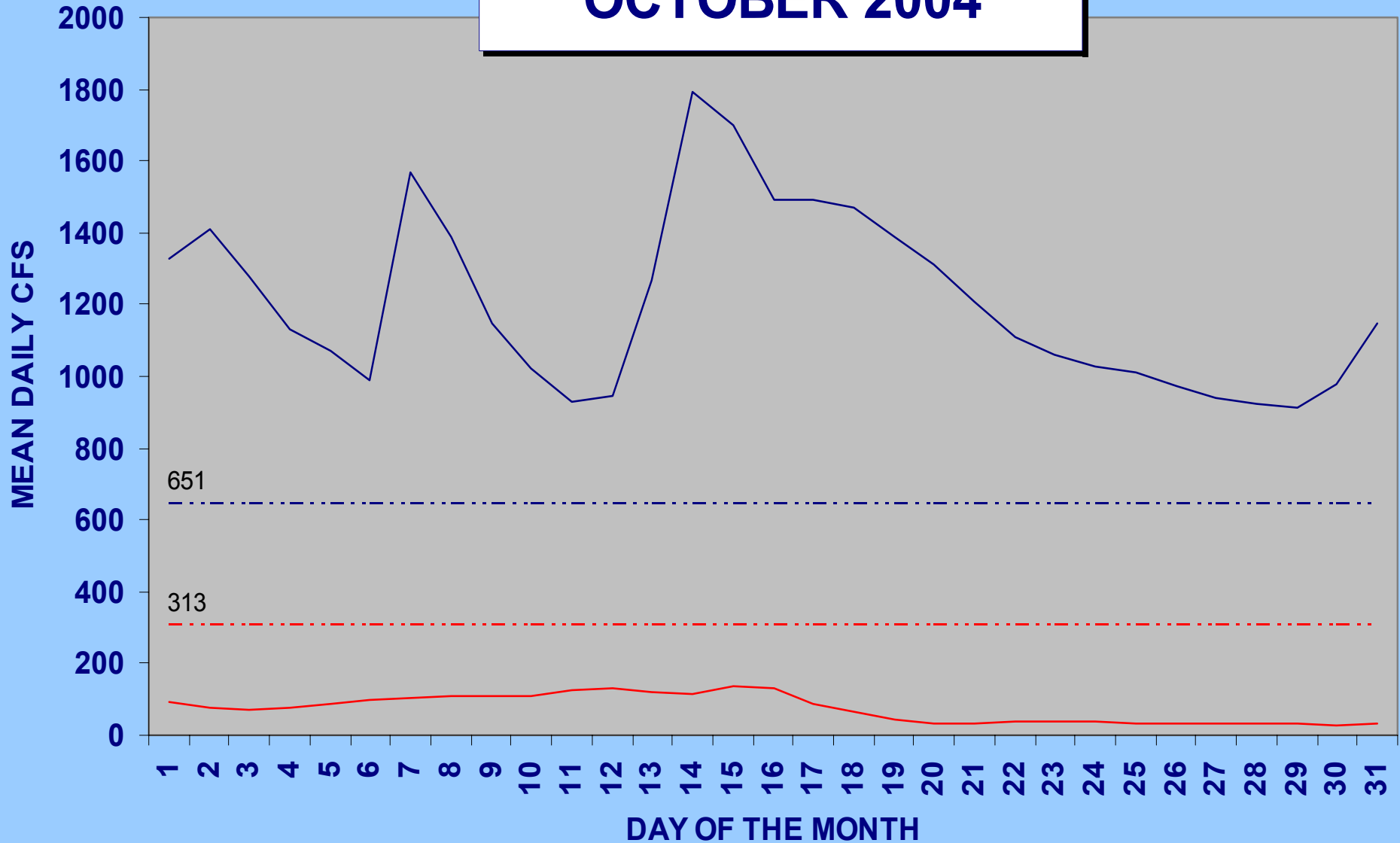


SOUTH PLATTE RIVER OCTOBER 2003



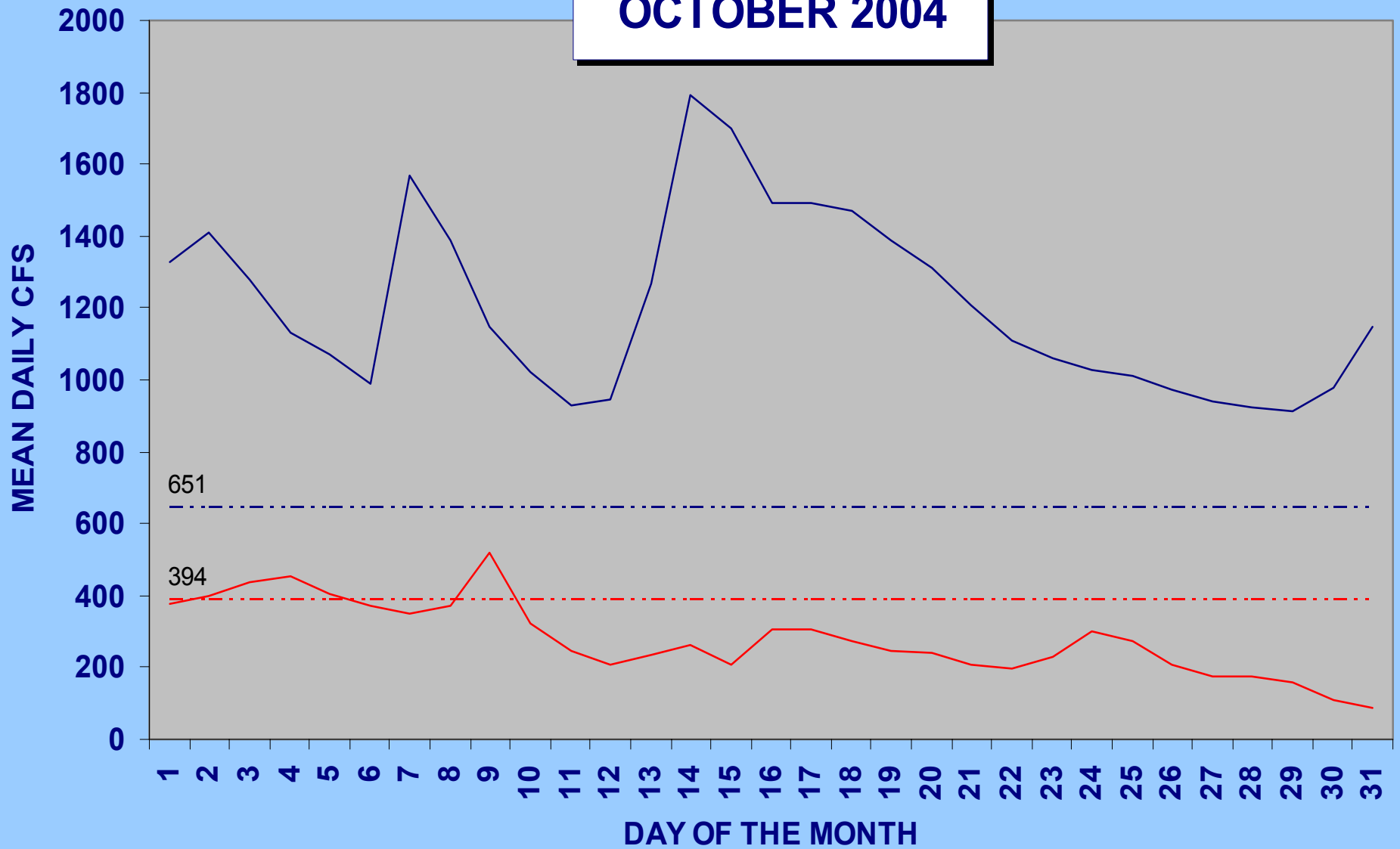
— Kersey — Julesburg - - - - Kersey 1976-2002 Avg. - . . . Julesburg 1902-2002 Avg.

SOUTH PLATTE RIVER OCTOBER 2004



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

Kersey, Balzac OCTOBER 2004



— Kersey — Balzac - - - - Kersey 1901-2003 Avg. - Balzac 1980-2002 Avg.

South Platte River Monthly Means, Historic, Max, Min.

South Platte River at Kersey

South Platte River at Julesburg

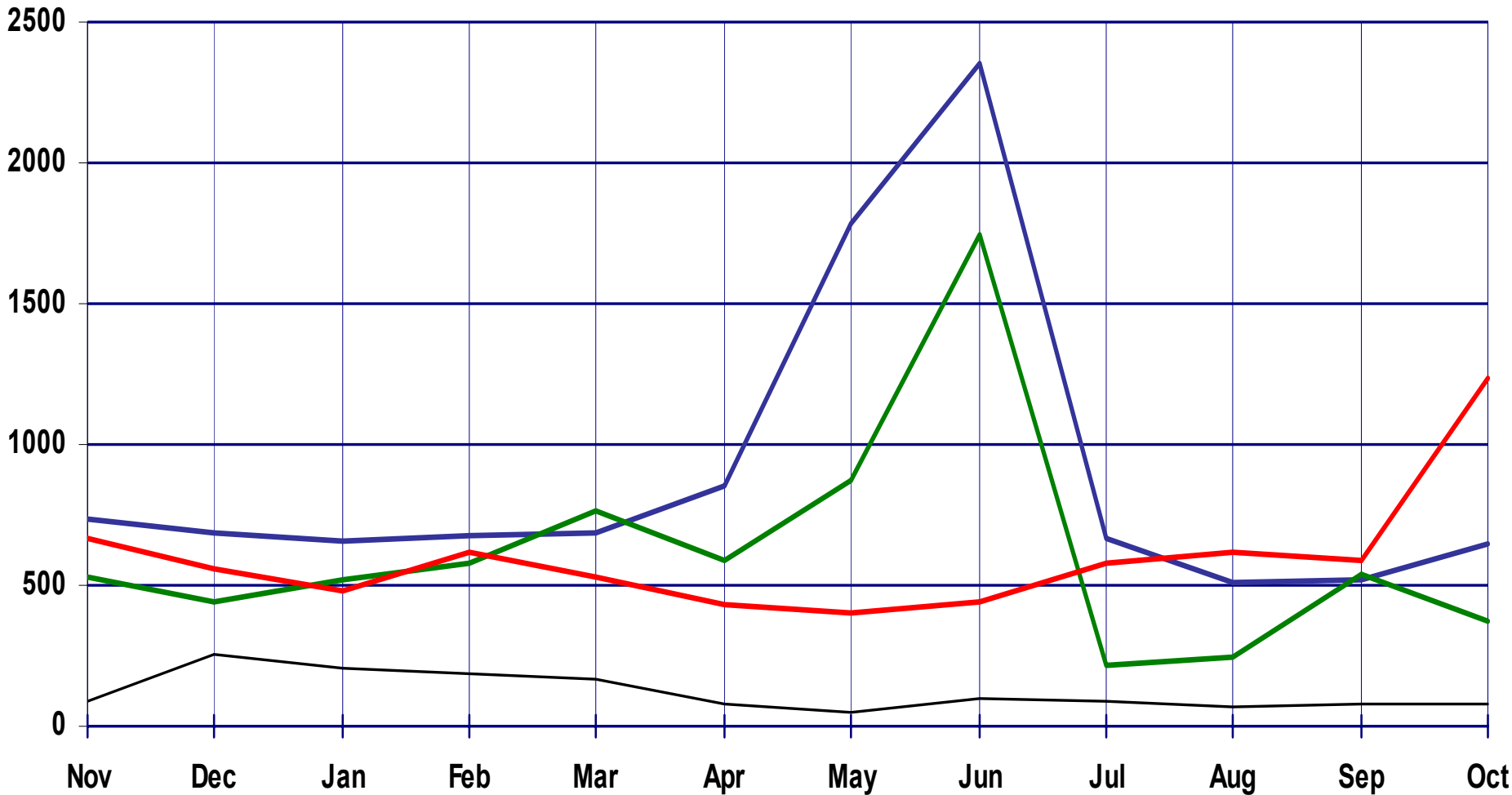
	USGS Historic Mean *	Historic Max flow *	Year	Historic Min flow *	Year	IY 2004 mean monthly flow	Estimated Mean		USGS Historic Mean *	Historic Max flow *	Year	Historic Min flow *	Year	IY 2004 mean monthly flow	Estimated Mean
Nov	737	2585	1985	87	1935	671		Nov	353	2358	1985	15.4	2003	19	
Dec	685	1375	1962	251	1935	557		Dec	415	1371	1985	18.8	1912	19	Yes
Jan	658	1434	1984	209	1935	485		Jan	530	1571	1998	49.6	2003	63	Yes
Feb	680	1861	1914	182	1935	615		Feb	610	1864	1930	49.4	2003	54	Yes
Mar	688	1852	1983	170	1935	528		Mar	550	2200	1939	44.9	2003	19	
Apr	853	5091	1942	82	1935	432		Apr	545	2808	1983	17.3	1904	27	
May	1780	13065	1980	52	1963	399		May	1054	9922	1980	24.1	1911	34	
Jun	2355	14517	1983	95	1940	444		Jun	1474	12200	1983	8.33	1910	39	
Jul	671	5784	1983	84	1963	575		Jul	303	5059	1983	2.15	1903	46	
Aug	505	2782	1984	68	1940	622		Aug	186	1882	1997	2.52	1902	38	
Sep	516	2769	1938	77	1954	589		Sep	247	1964	1984	5.6	1903	46	
Oct	651	3388	1985	82	1935	1206		Oct	313	2427	1985	5.85	1904	34	

*Period of record 1901-2003

*Period of record 1902-2003

South Platte River at Kersey

Irrigation Water Year



— USGS Historic Mean Flow*

— USGS Historic Min Flow*

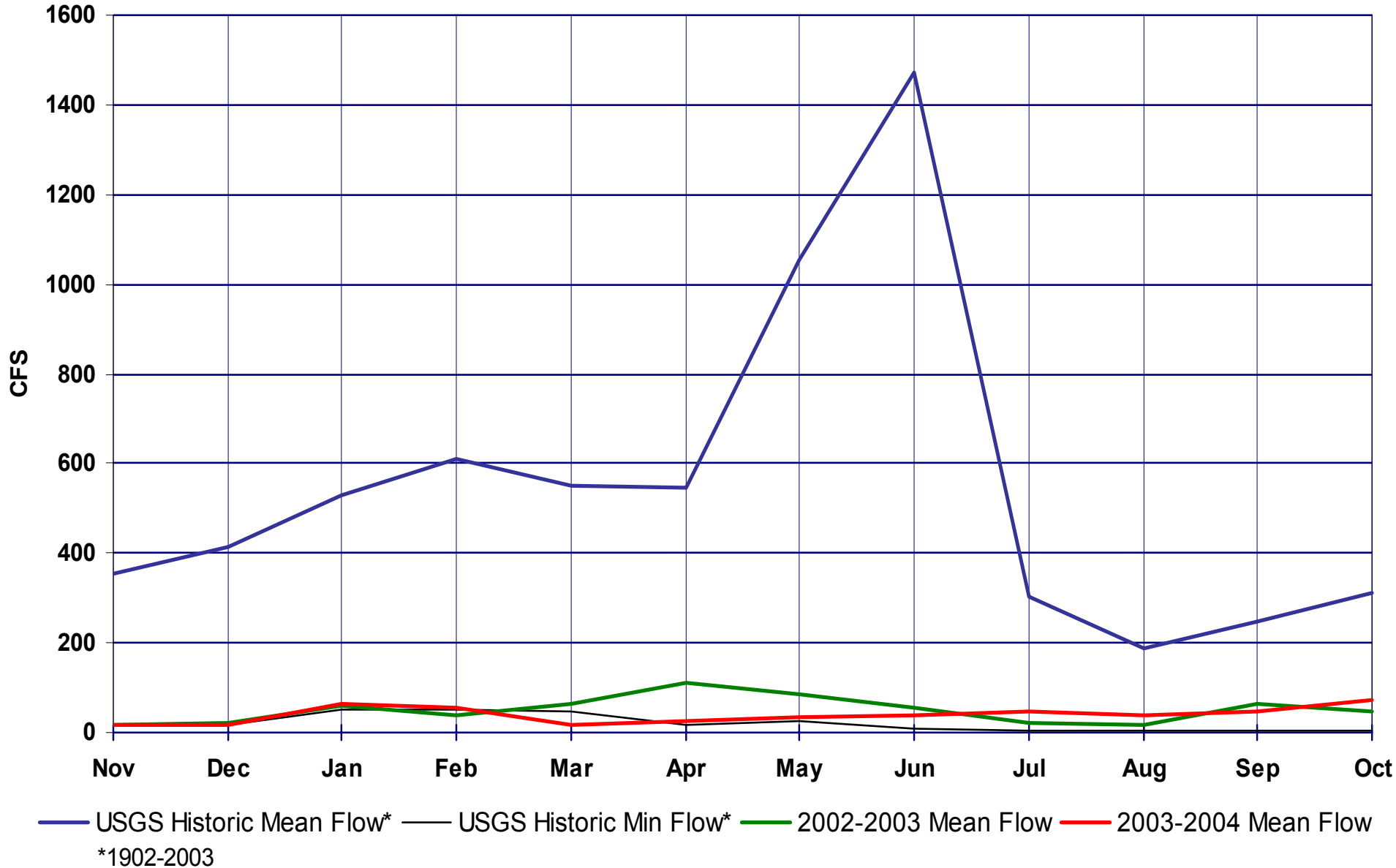
— 2002-2003 Mean Flow

— 2003-2004 Mean Flow

*1901-2003

South Platte River at Julesburg

Irrigation Water Year

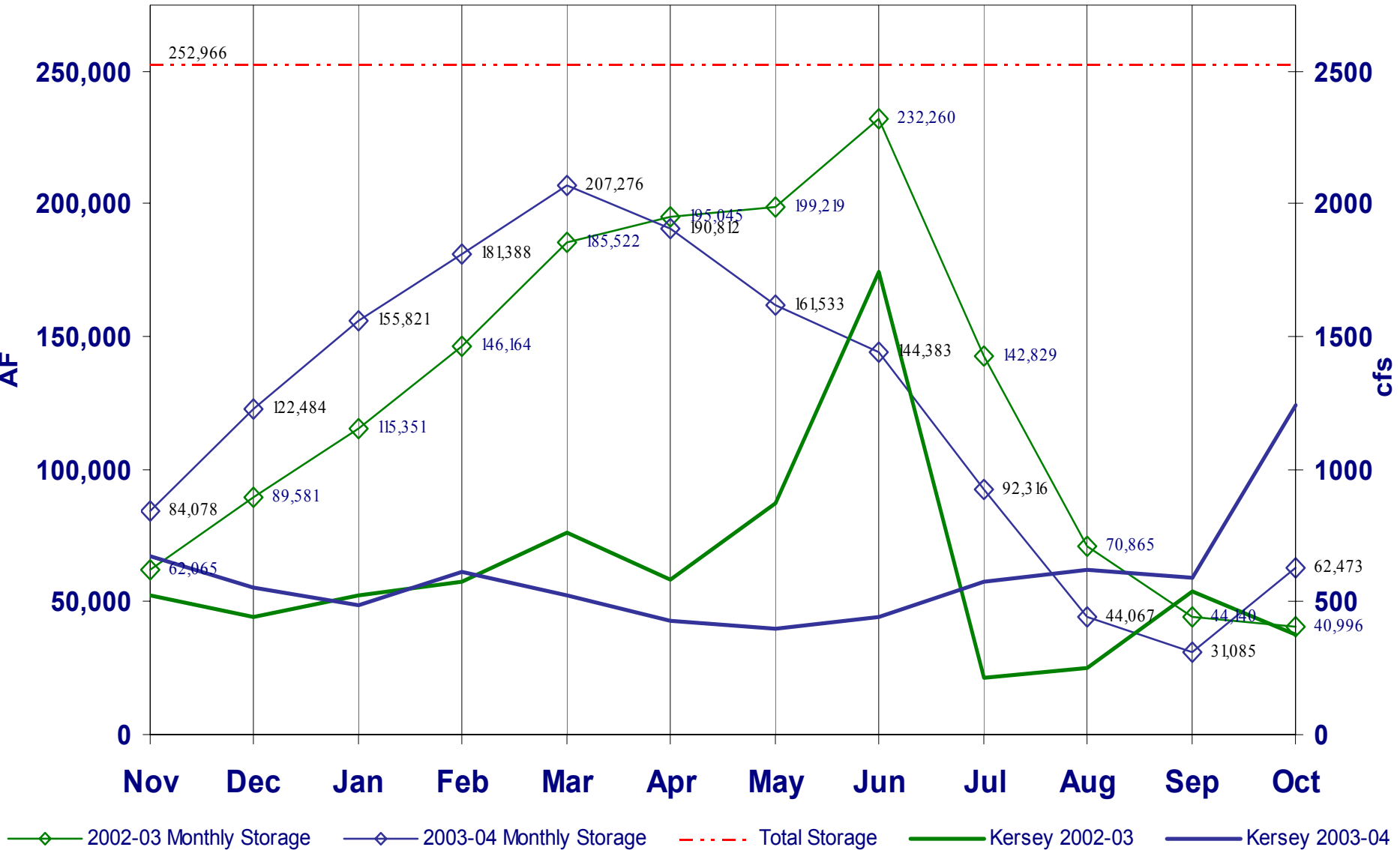


A scenic view of a waterfall cascading over rocks, framed by green willow branches in the foreground. The water is white and frothy as it falls, creating a misty spray at the base. The surrounding area is lush with greenery, and the overall atmosphere is serene and natural.

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

Reservoir Storage below Kersey

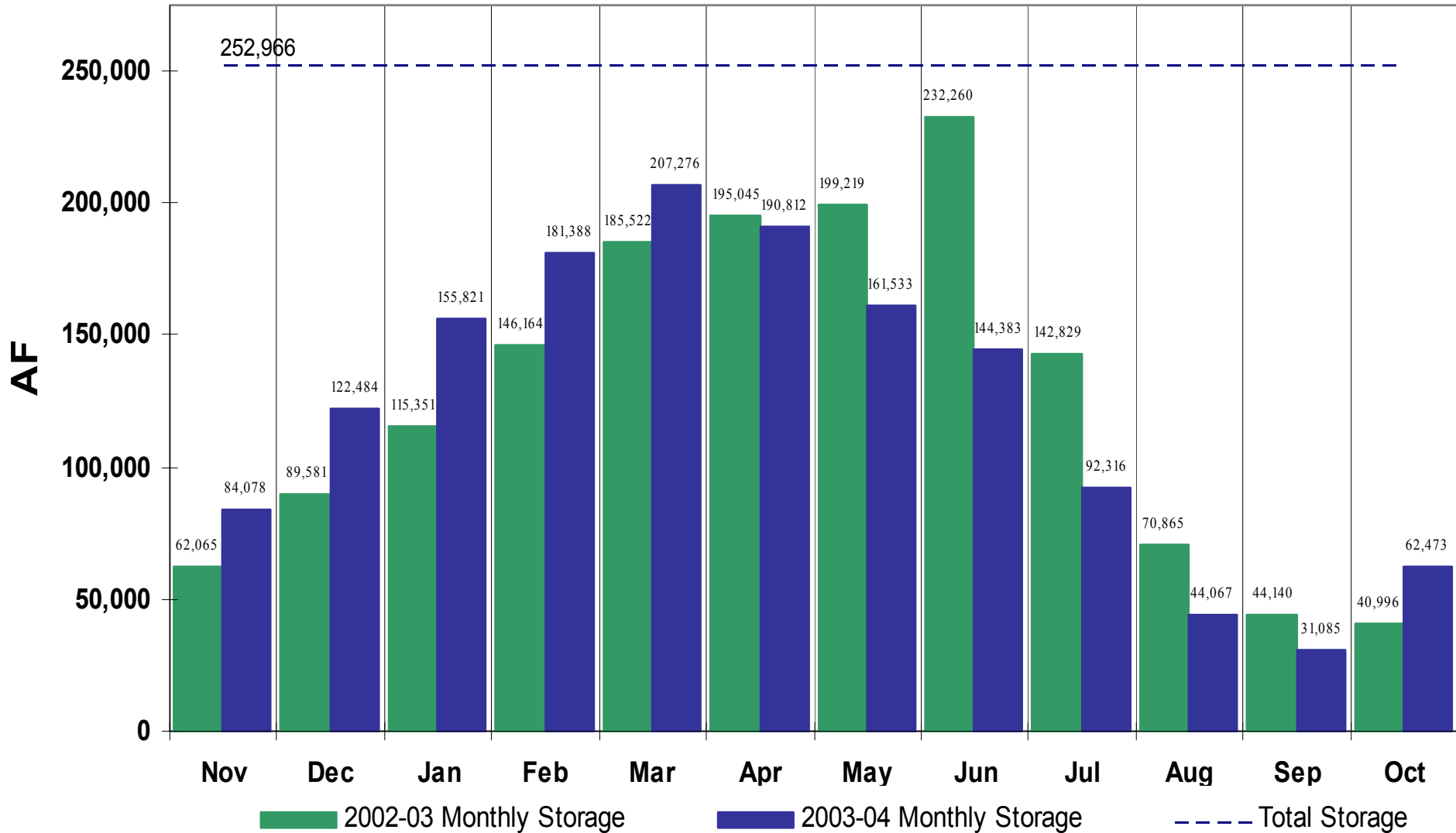
Selected Reservoirs*



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

South Platte Reservoirs

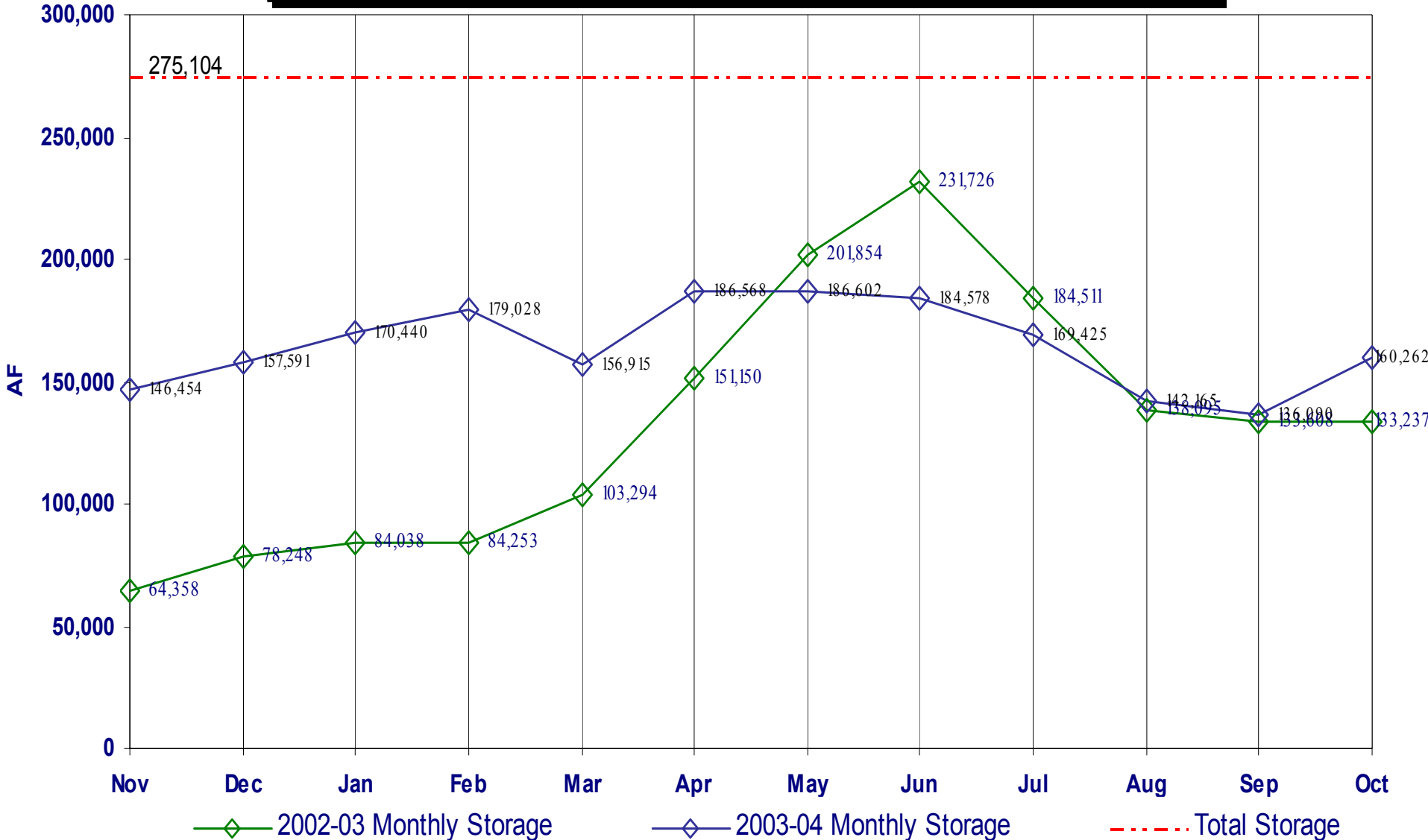
Storage below Kersey*



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

Reservoir Storage above Kersey

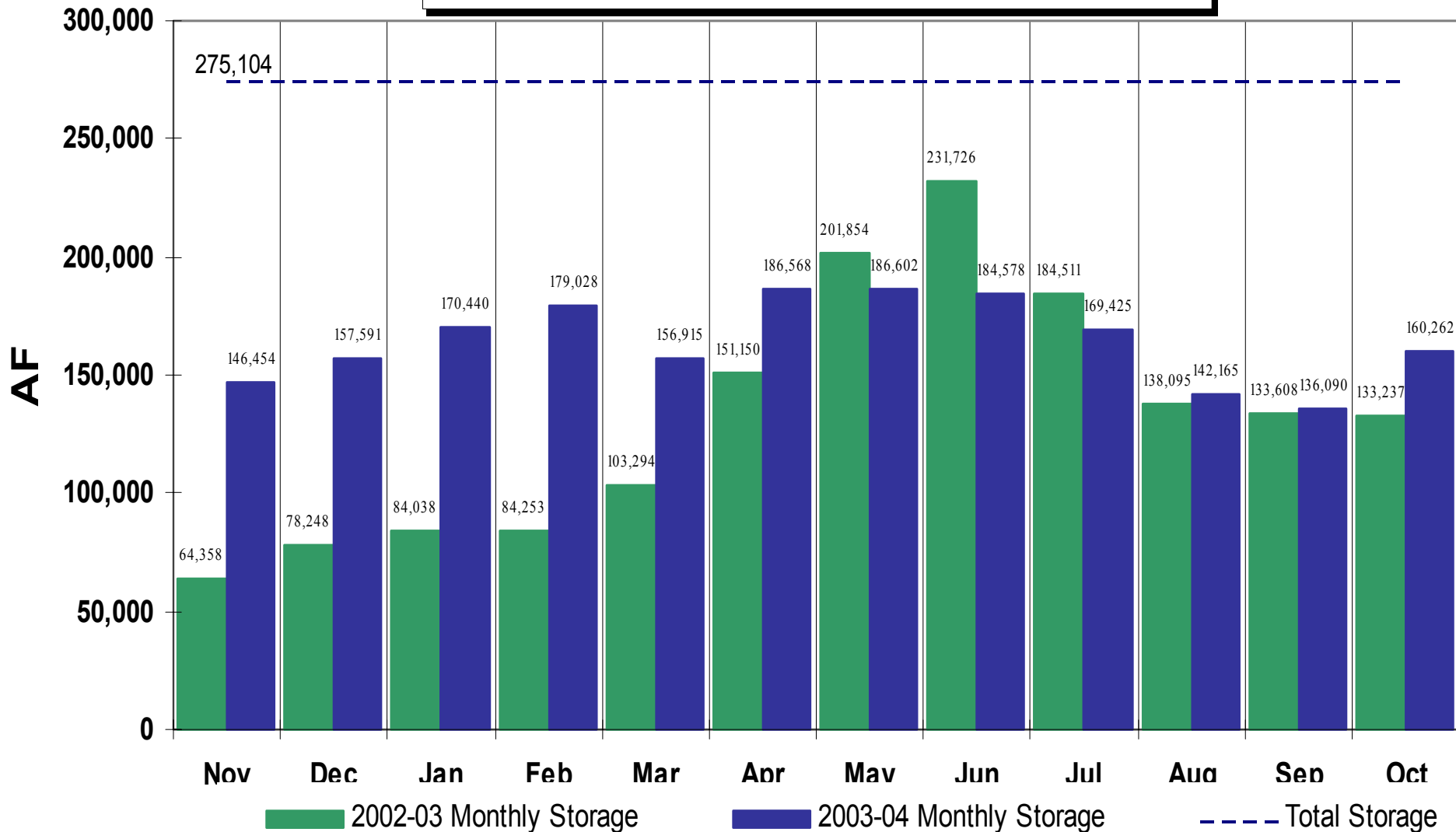
Selected Reservoirs*



*Barr, Cobb, Fossil Crk, Halligan, Marshall, Milton, Union, Standley, Lower Latham, Boyd, Loveland, Windsor, Horse Crk, & Prospect

South Platte Reservoirs

Storage above Kersey*



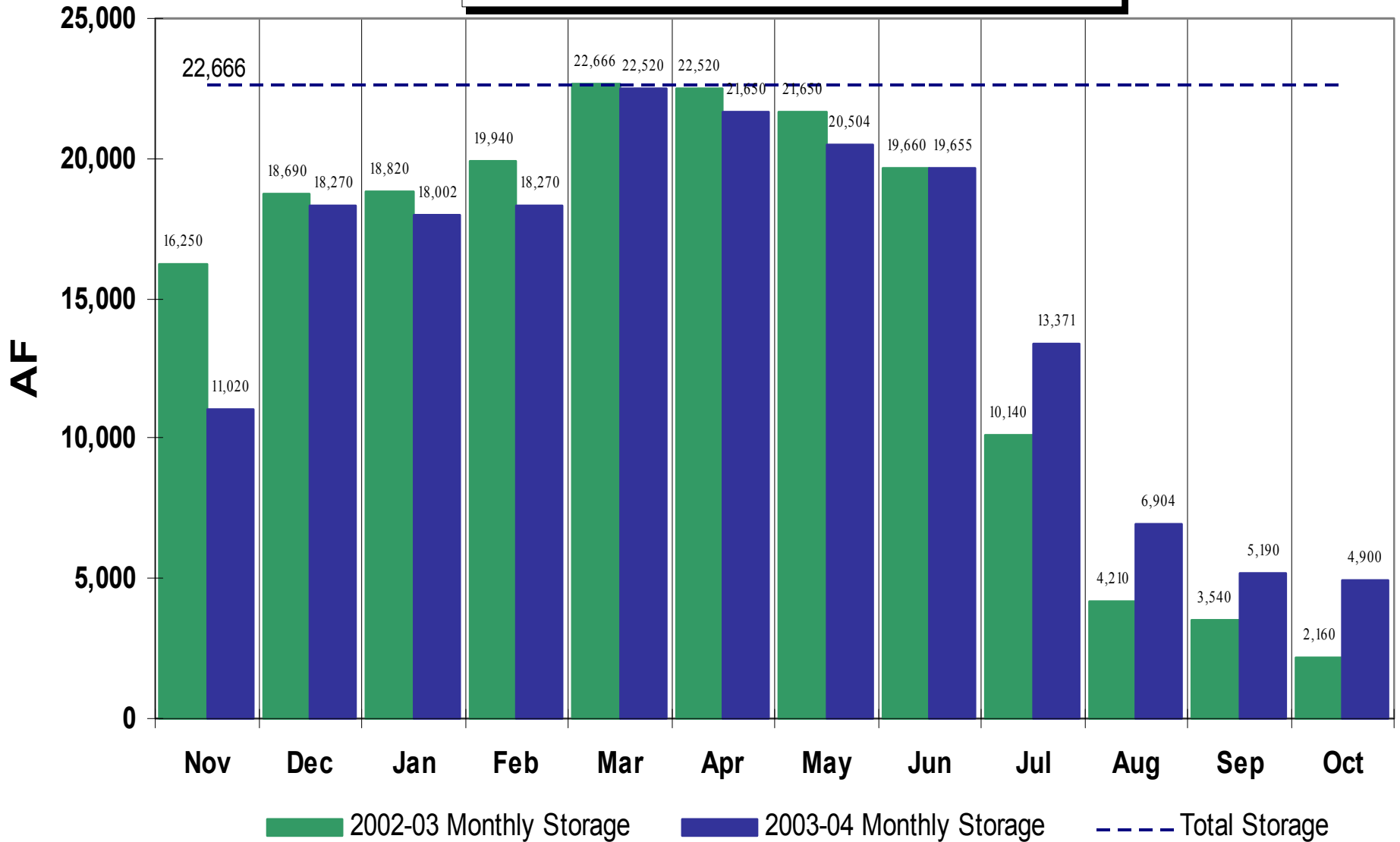
*Barr, Cobb, Fossil Crk, Halligan, Marshall, Milton, Union, Standley, Lower Latham, Boyd, Loveland, Windsor, Horse Crk, & Prospect

A dense forest of birch trees with white bark and yellow autumn foliage. The trees are tall and slender, with their white bark contrasting against the golden leaves. The ground is covered in fallen yellow leaves, and the overall atmosphere is warm and autumnal.

**Individual Reservoir Storage
follows:**

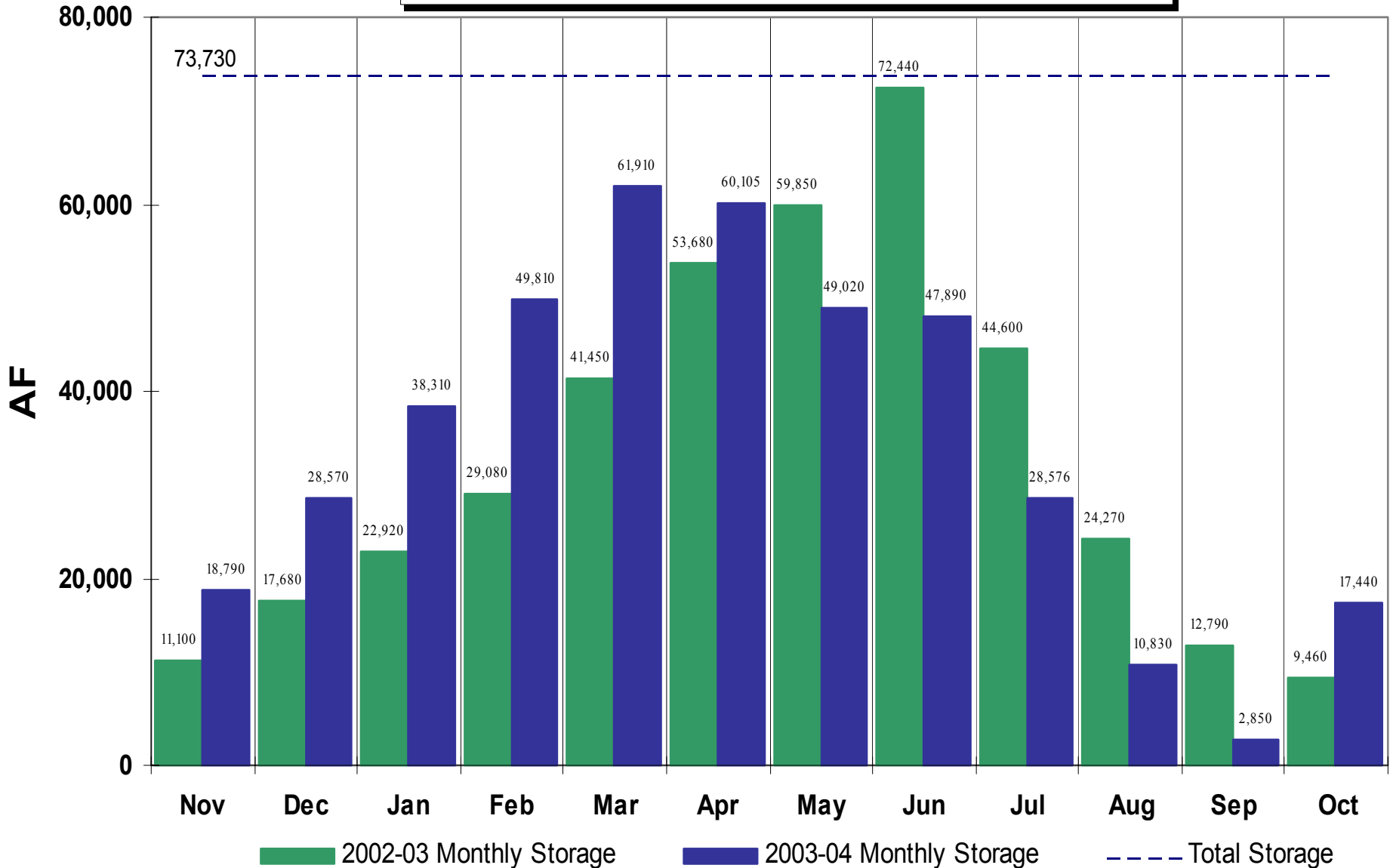
Julesburg Reservoir

(Agricultural)



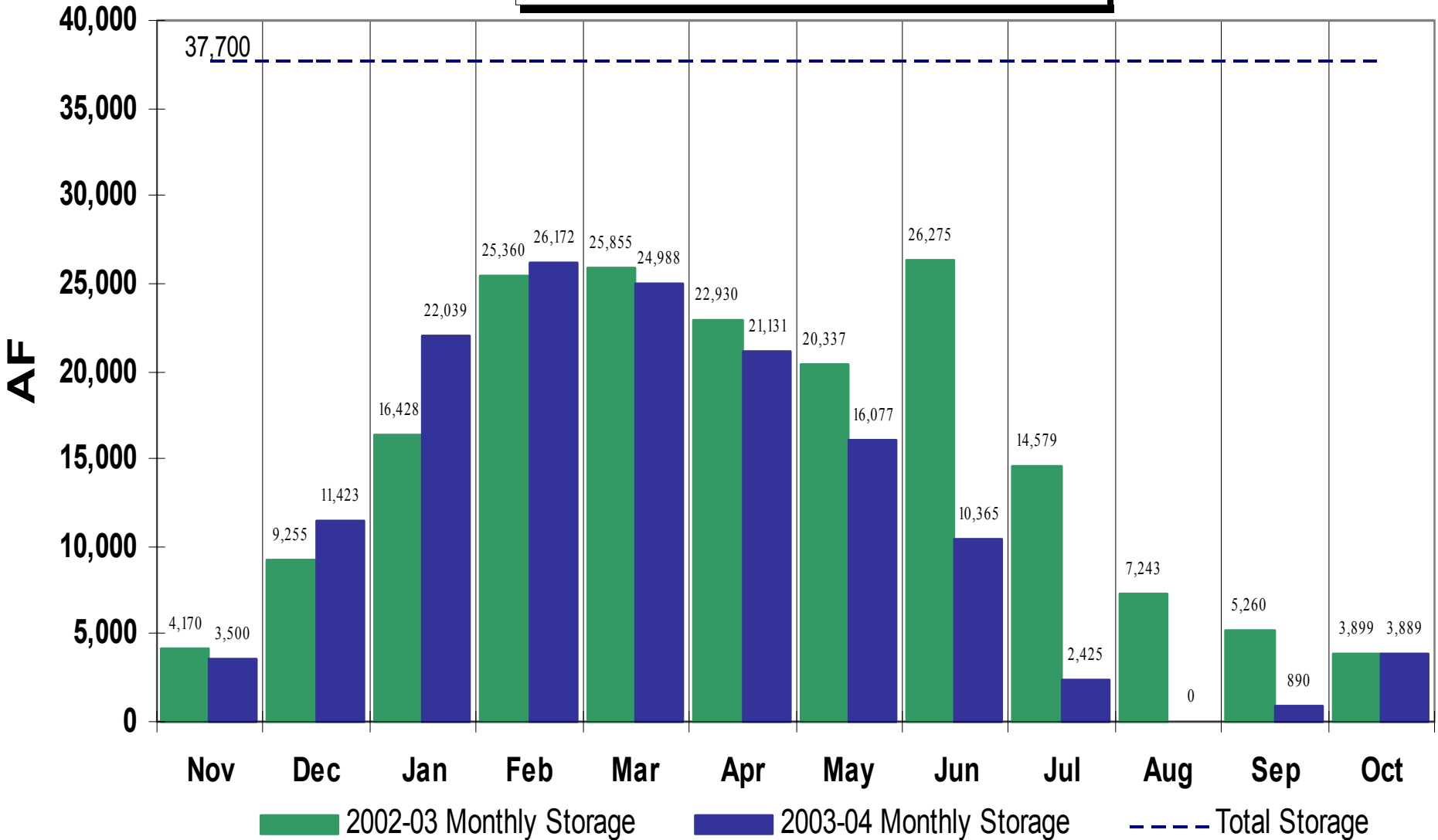
North Sterling Reservoir

(Agricultural)



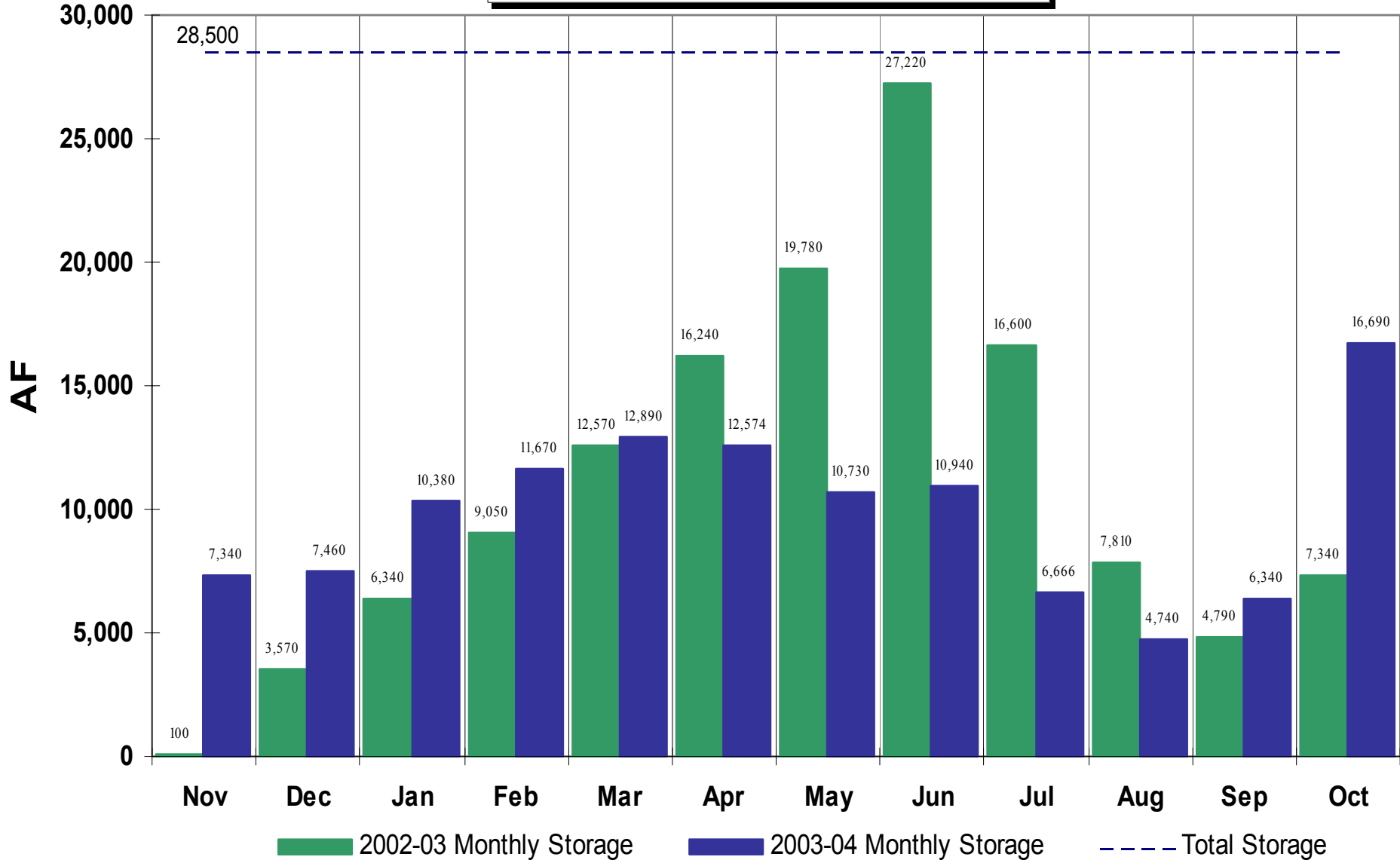
Empire Reservoir

(Agricultural)



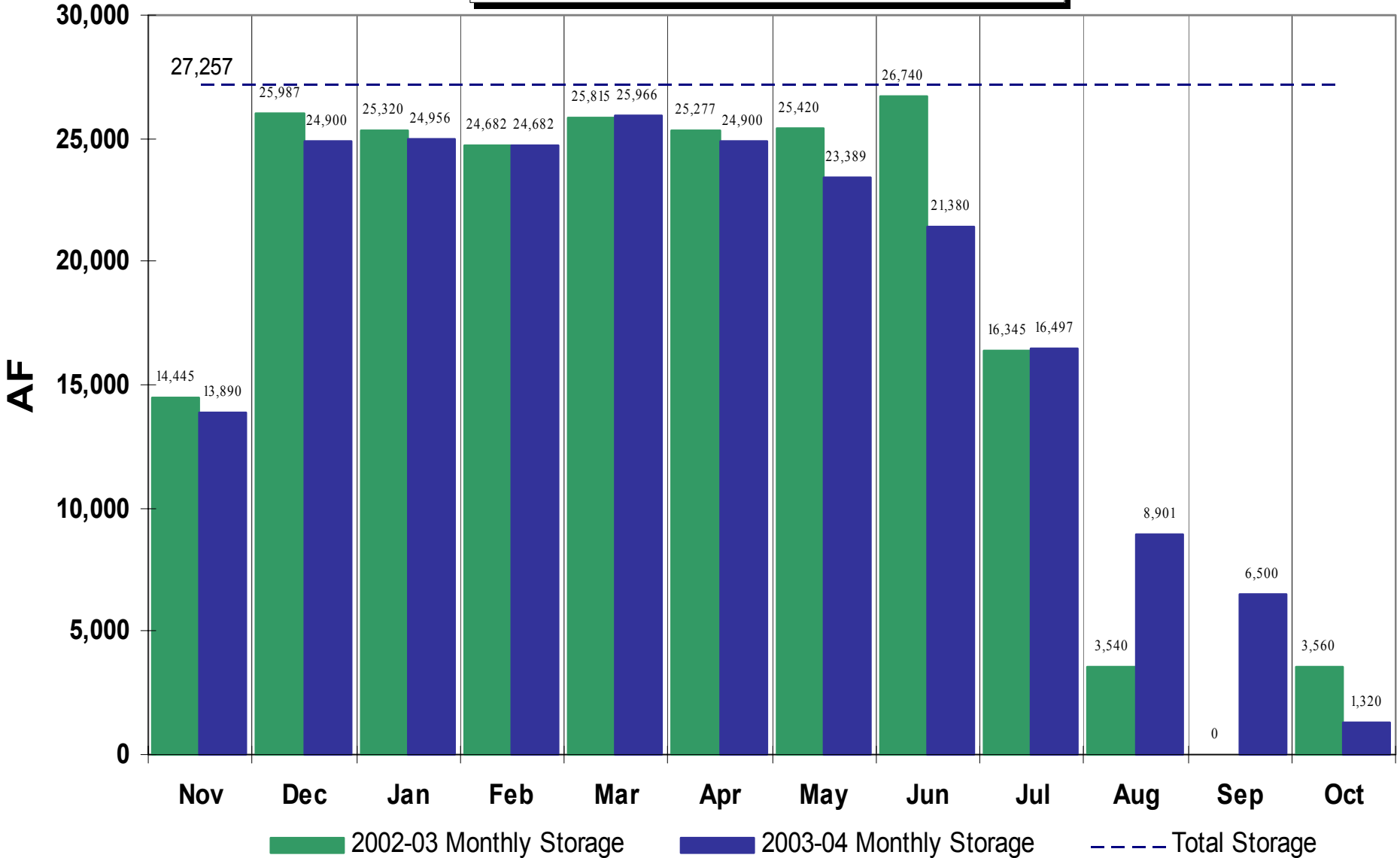
Prewitt Reservoir

(Agricultural)



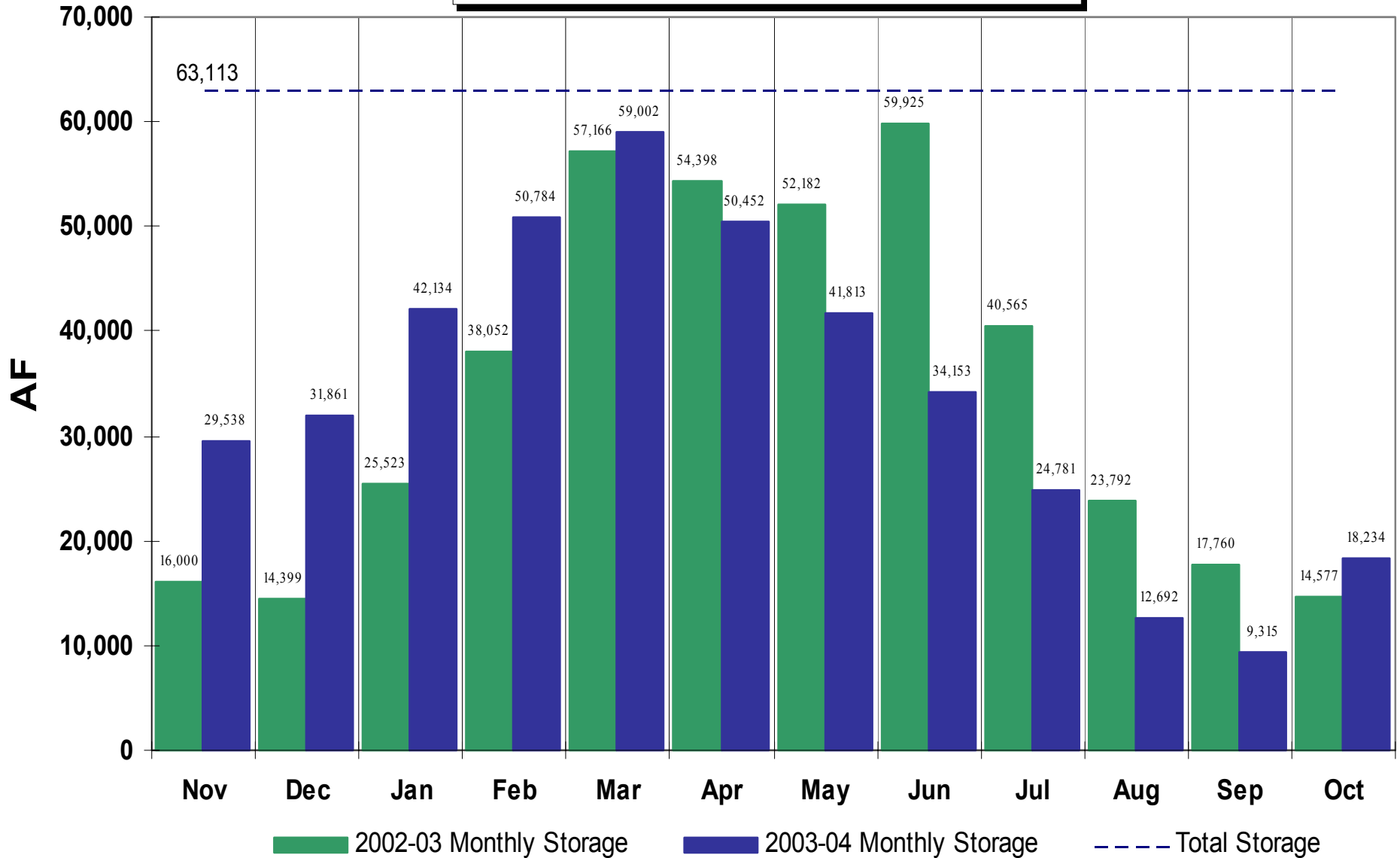
Jackson Reservoir

(Agricultural)



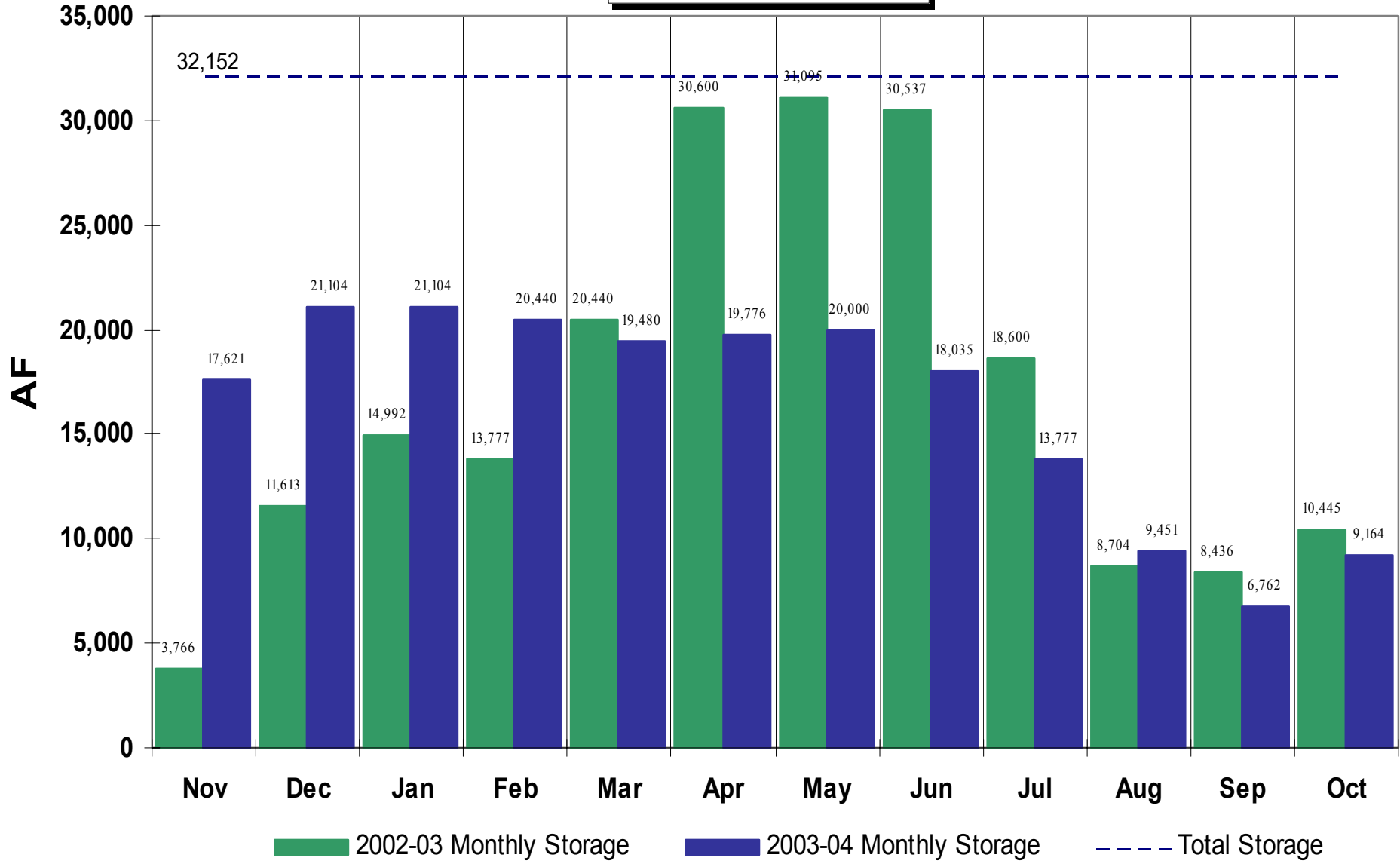
Riverside Reservoir

(Agricultural)



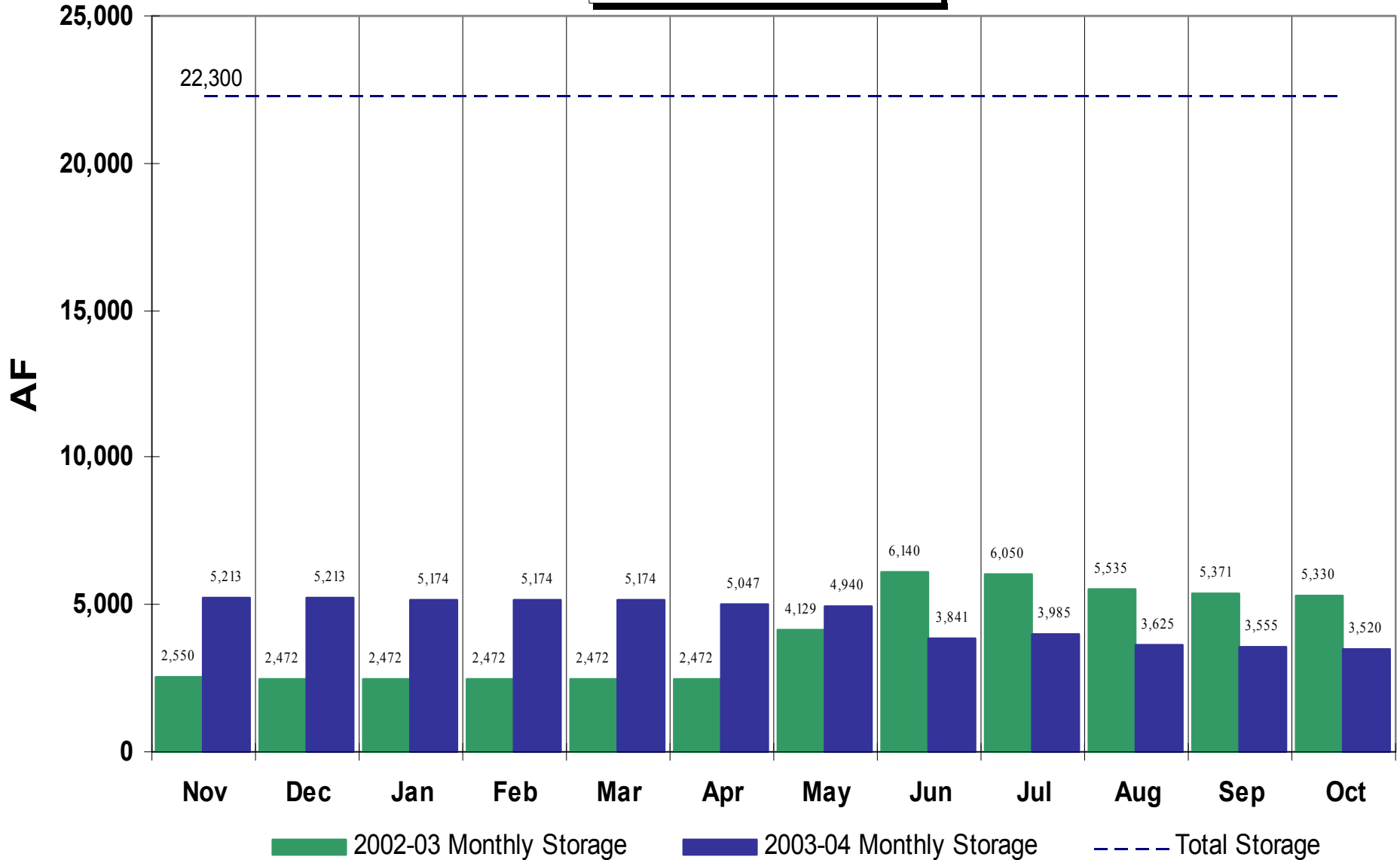
Barr Lake

(Agricultural)



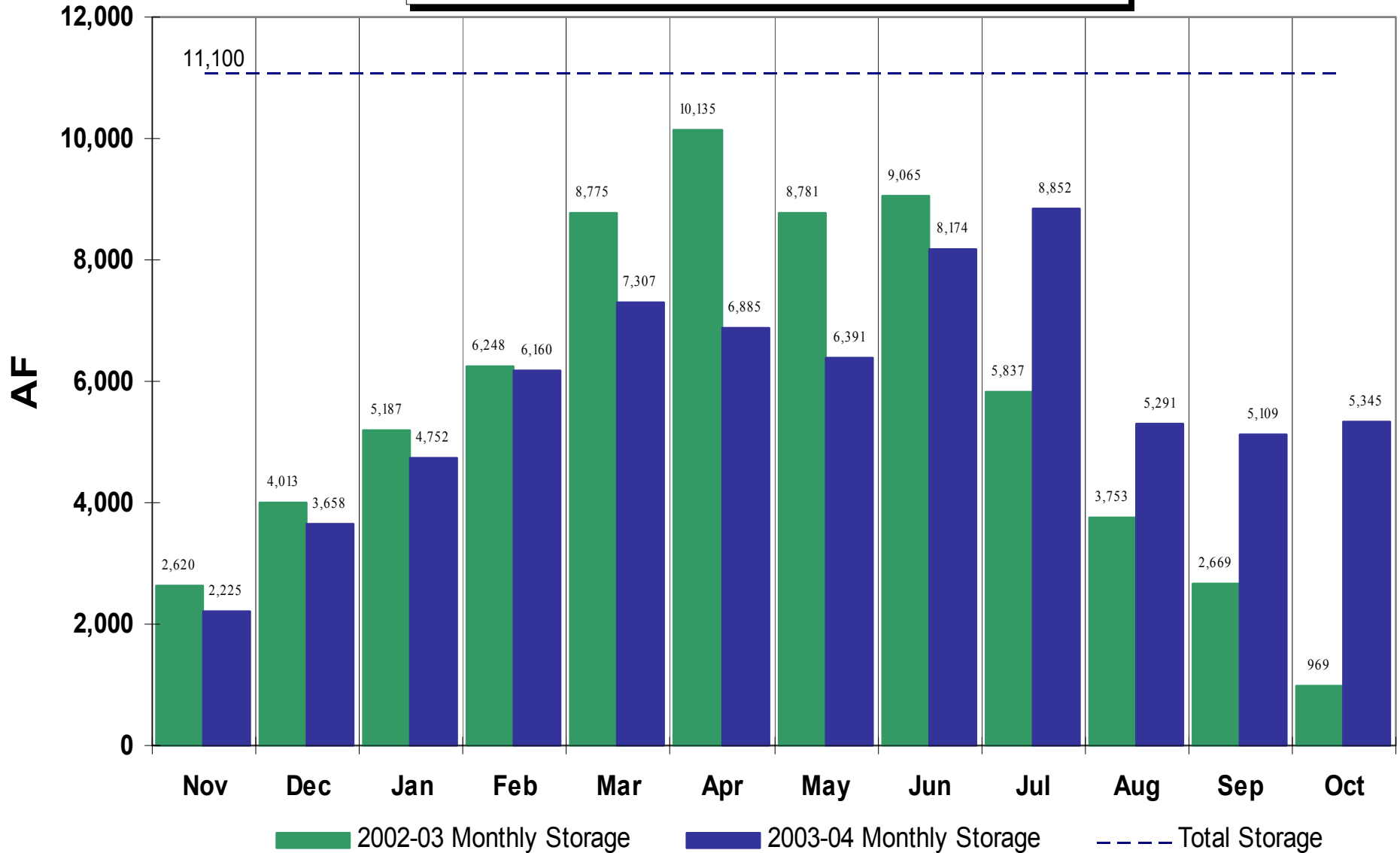
Cobb Lake

(Agricultural)



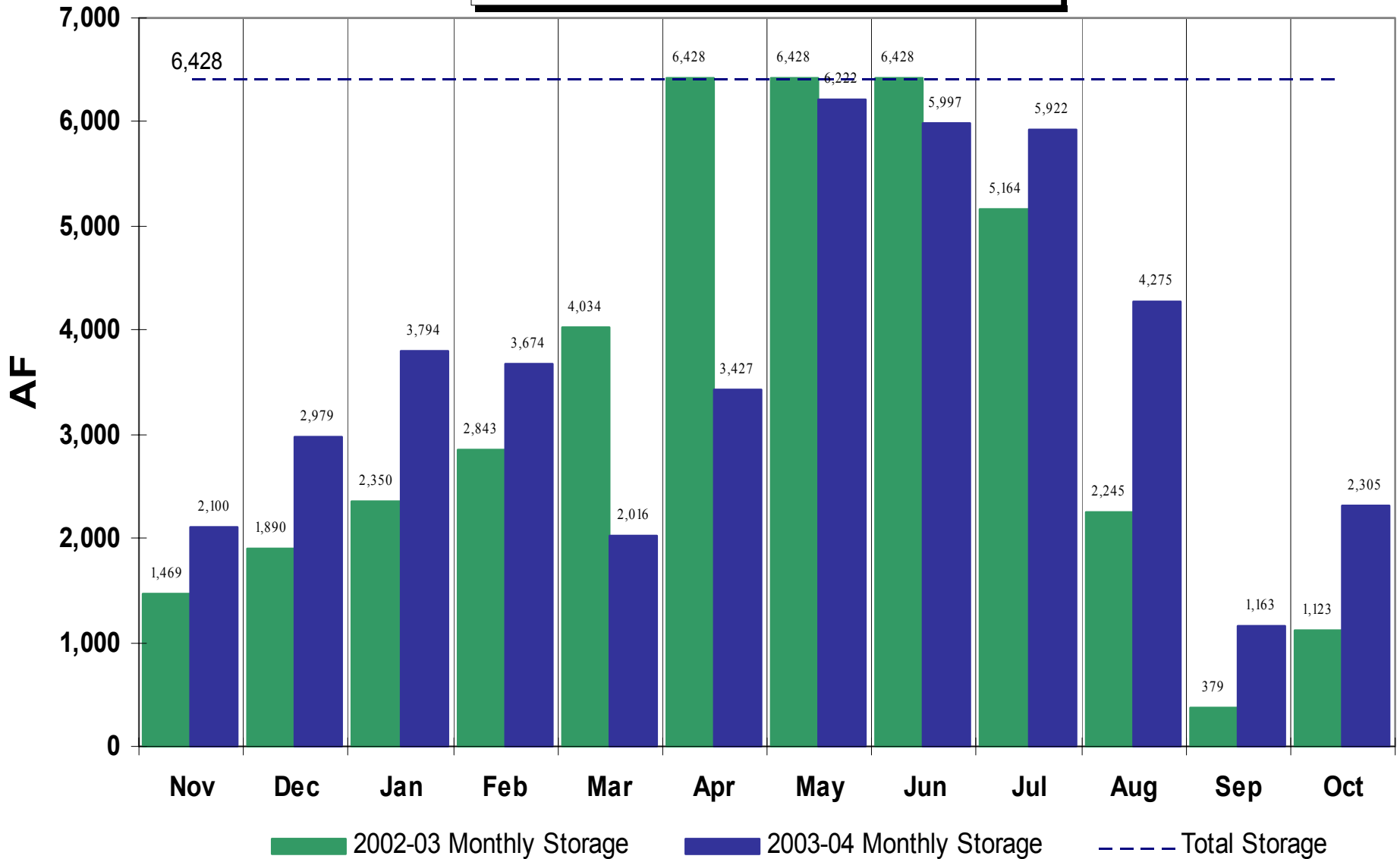
Fossil Creek Reservoir

(Agricultural)



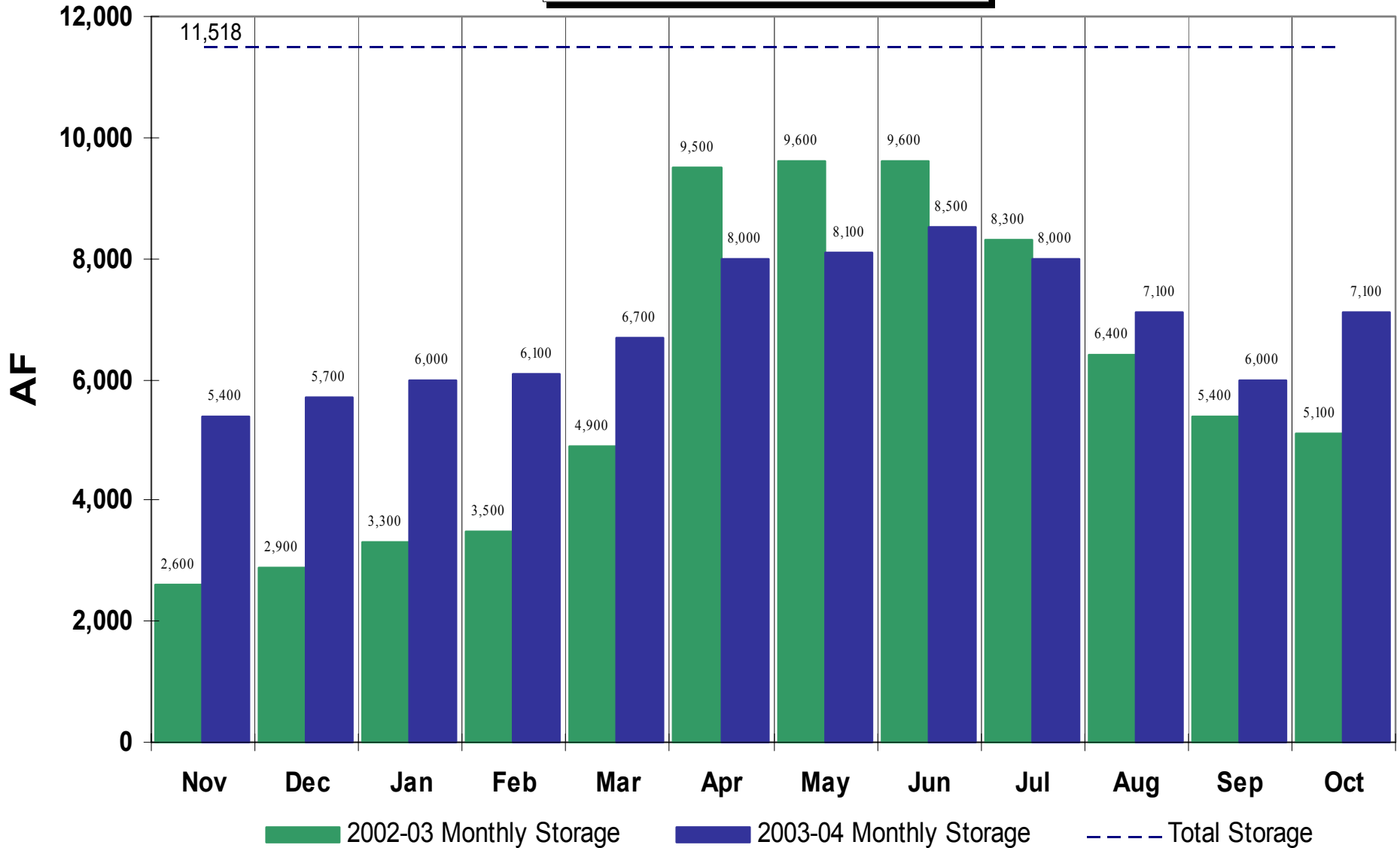
Halligan Reservoir

(Agricultural)



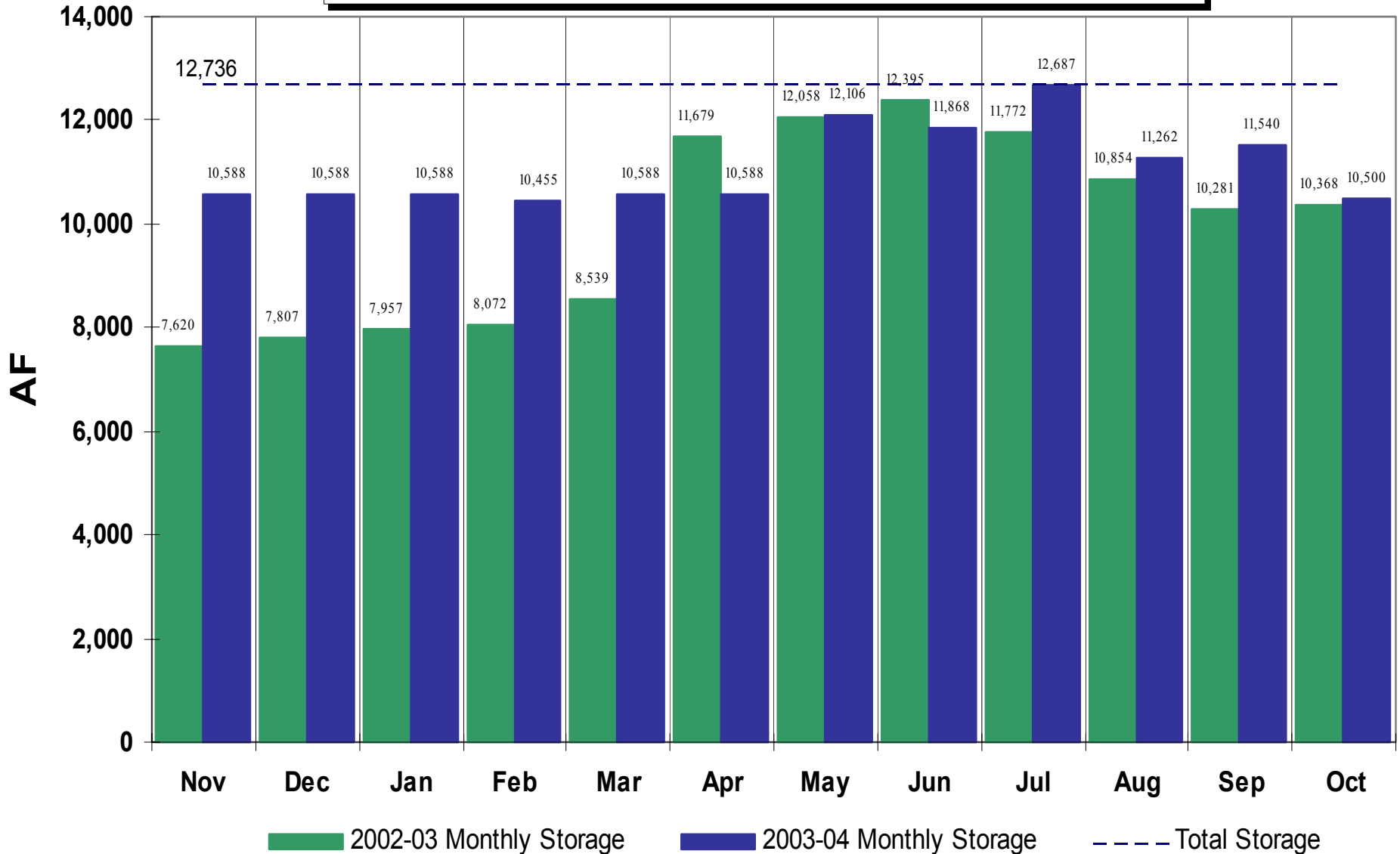
Marshall Lake

(Agricultural)



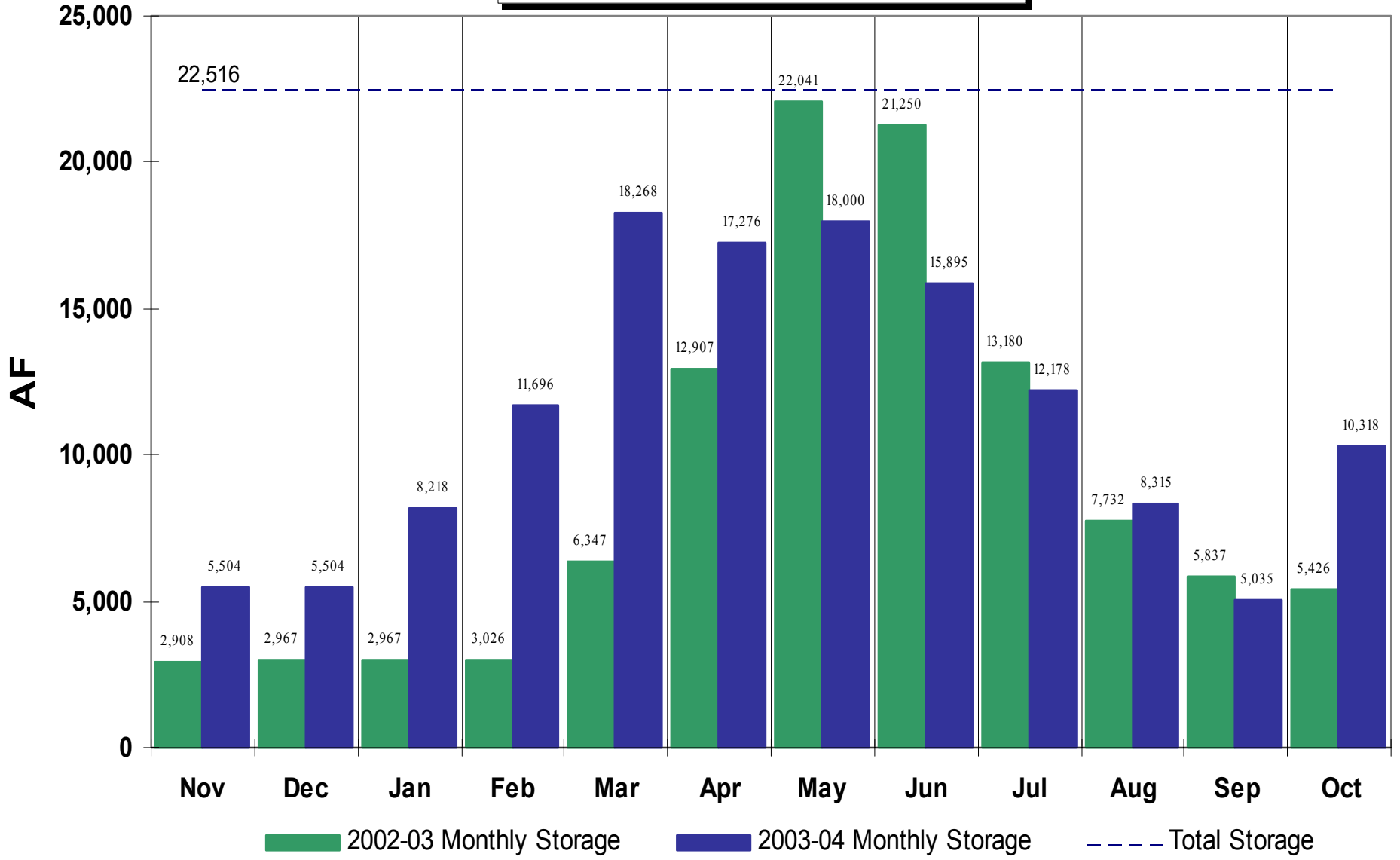
Loveland Greeley Reservoir

(Agricultural)

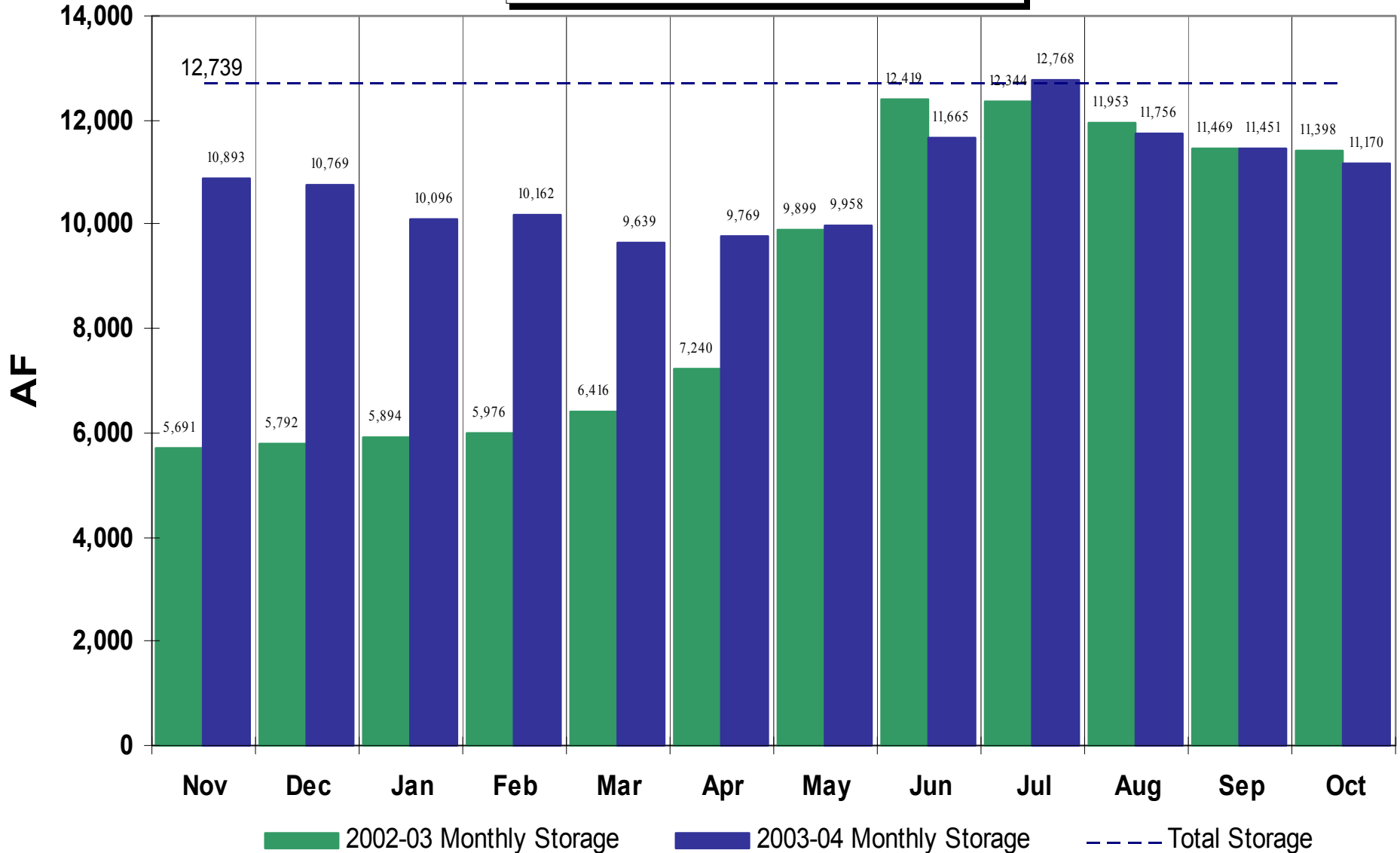


Milton Reservoir

(Agricultural)

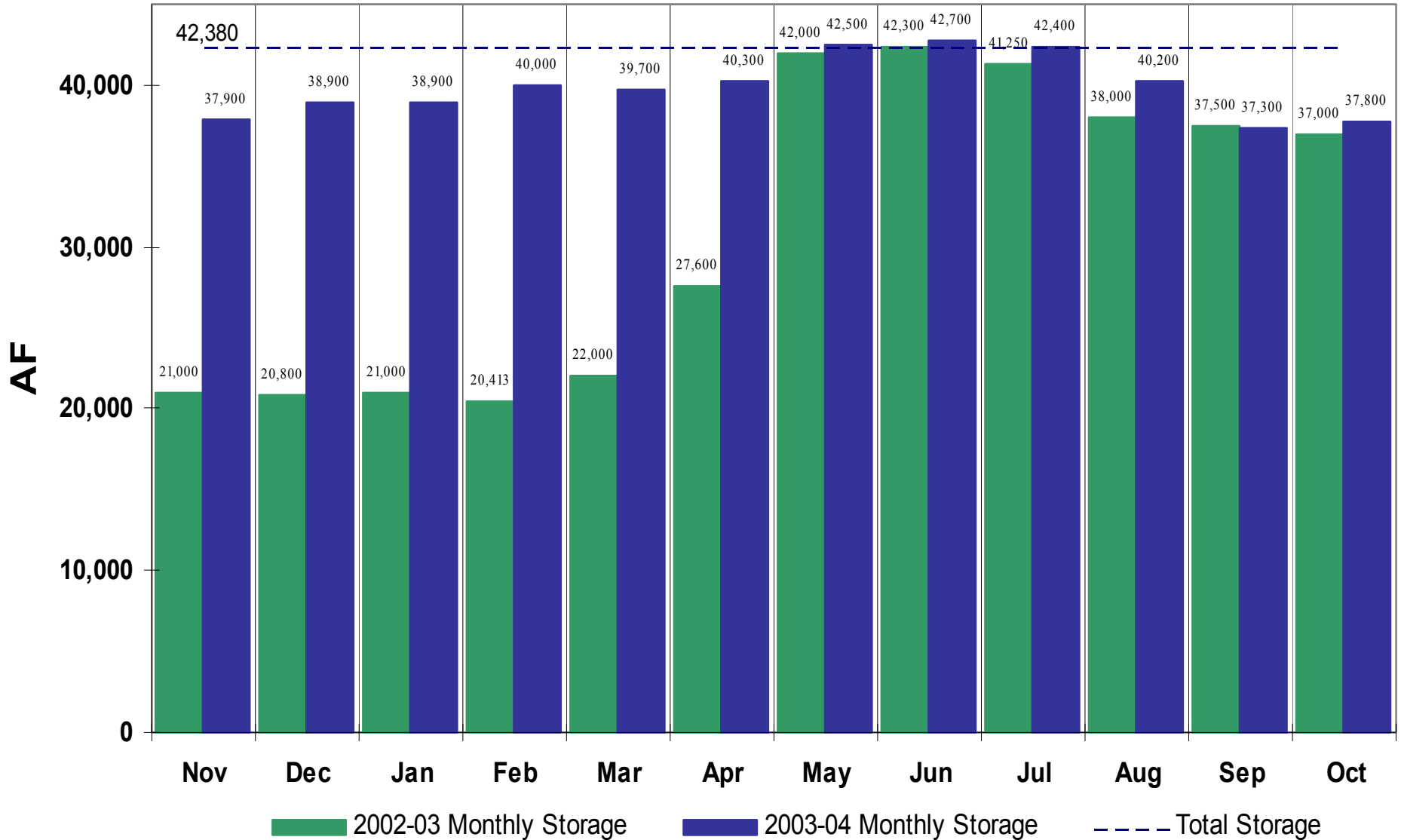


Union Reservoir (Agricultural)



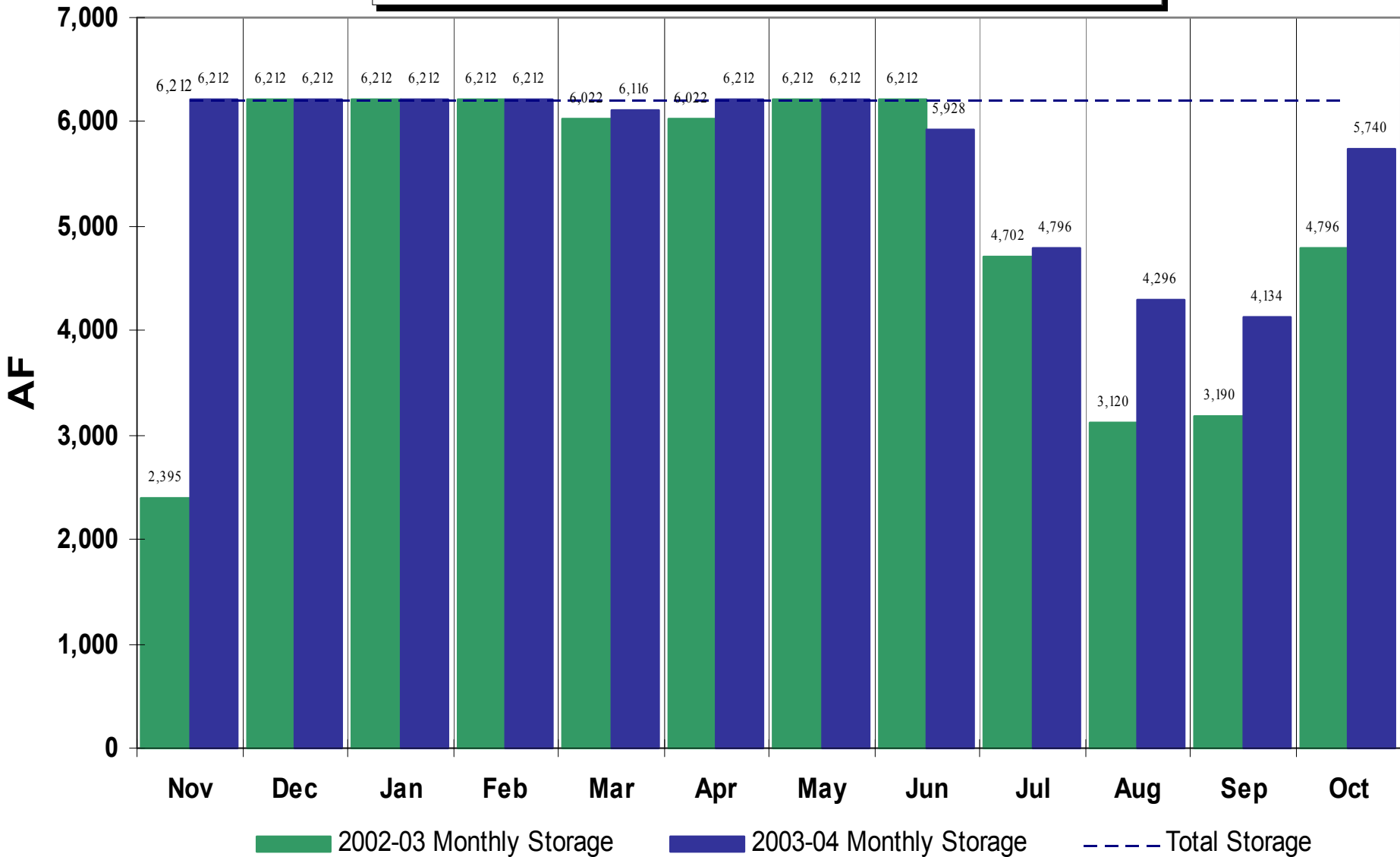
Standley Lake

(Agricultural)

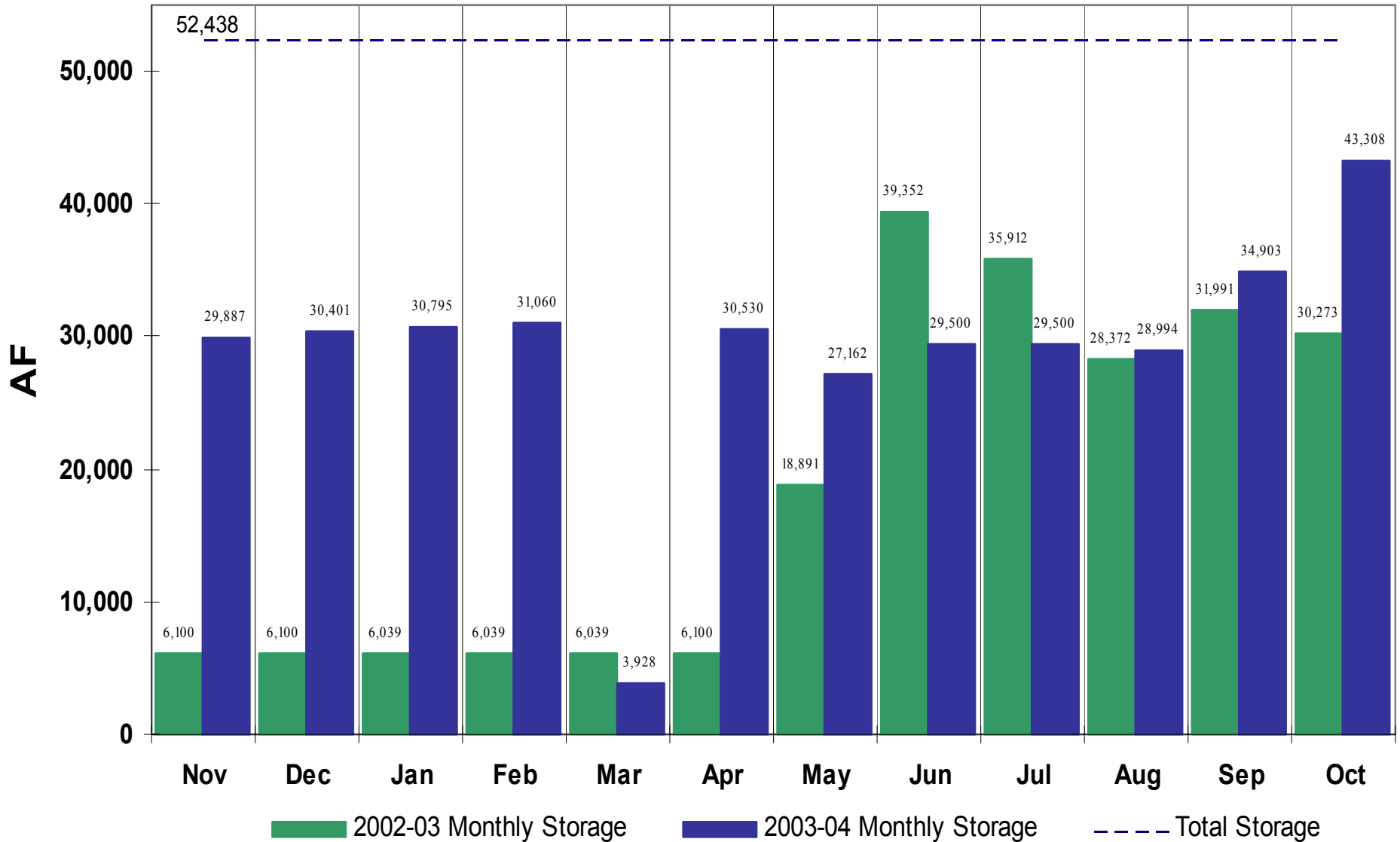


Lower Latham Reservoir

(Agricultural)

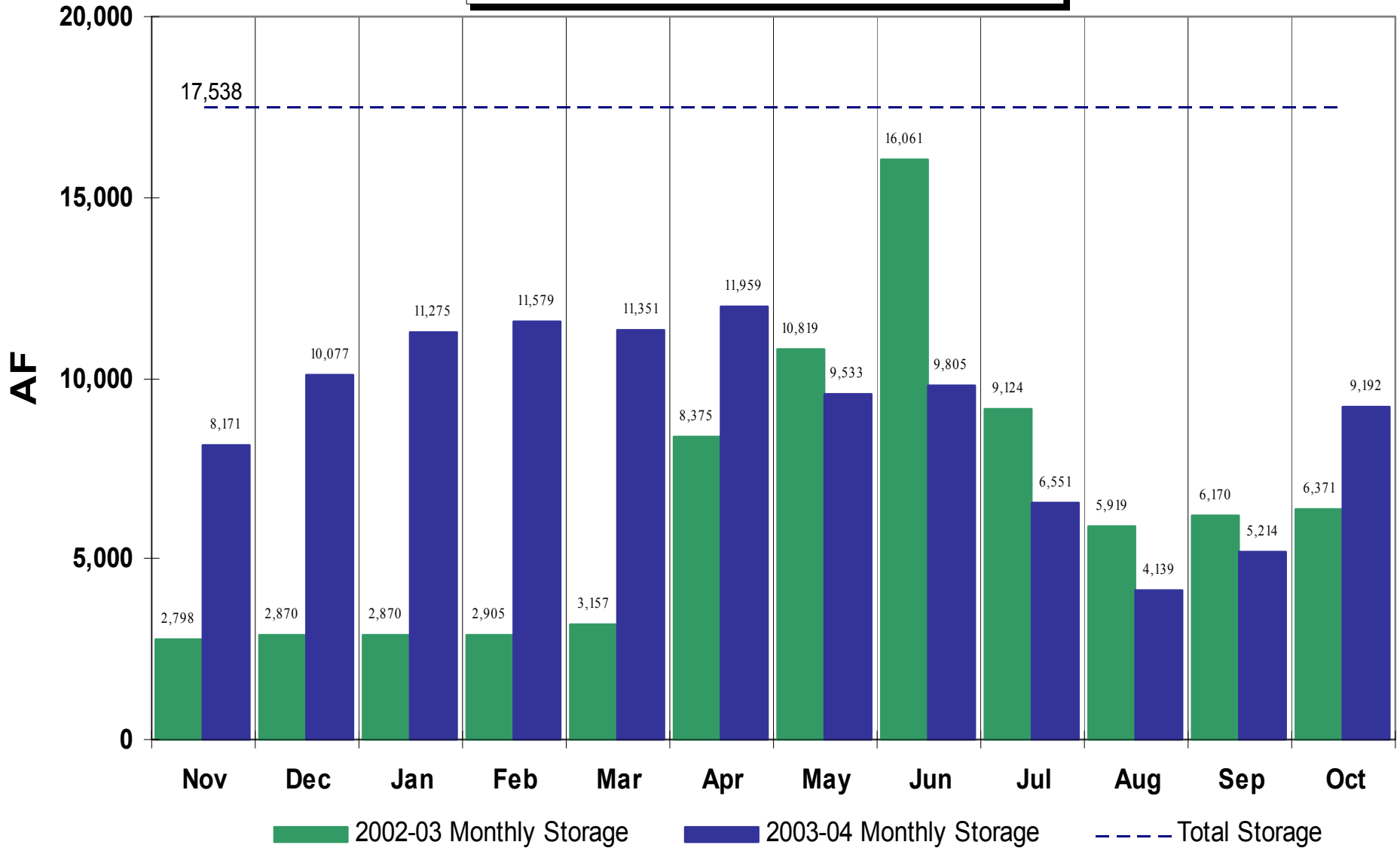


Boyd Lake (Agricultural)



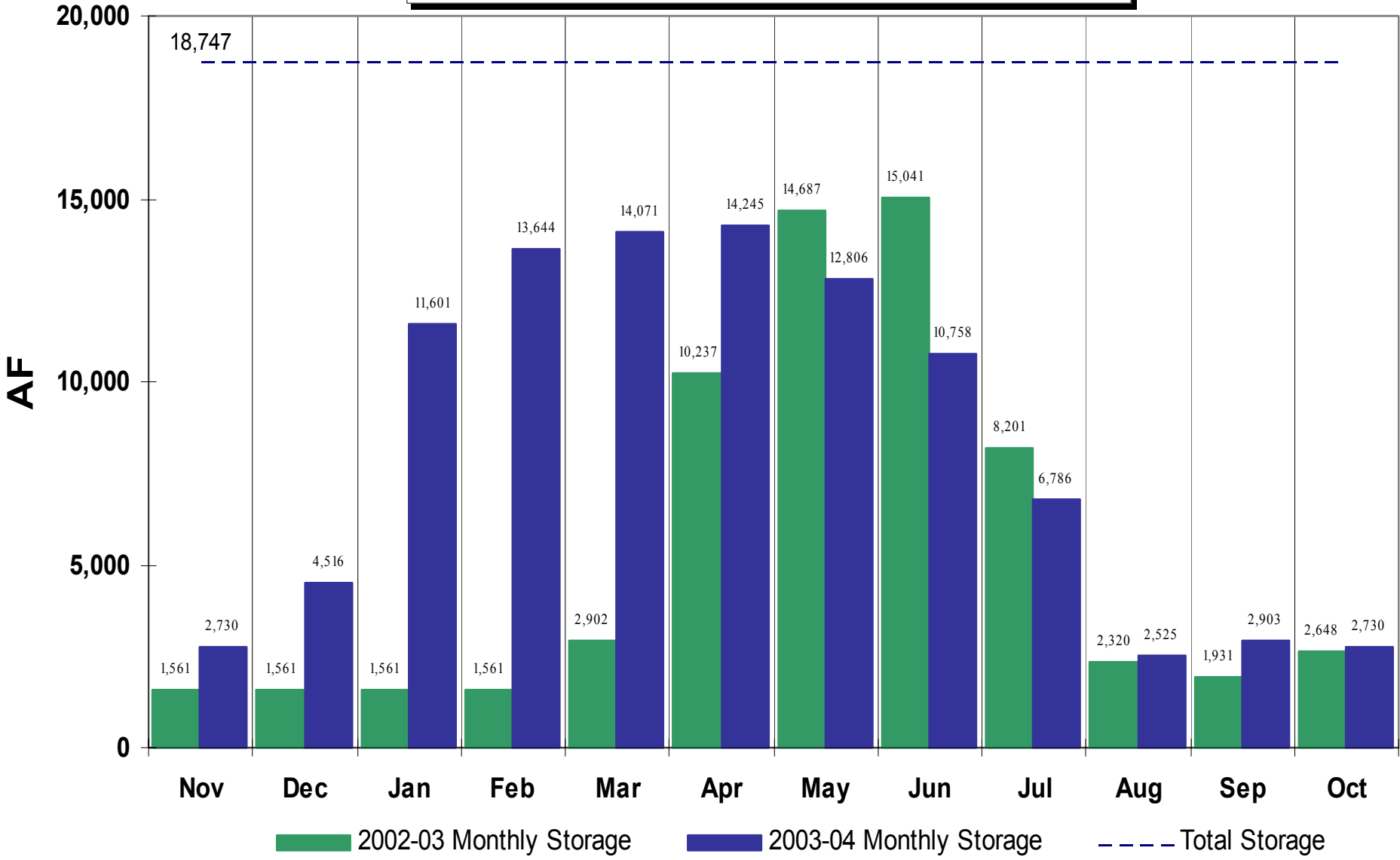
Windsor Reservoir

(Agricultural)

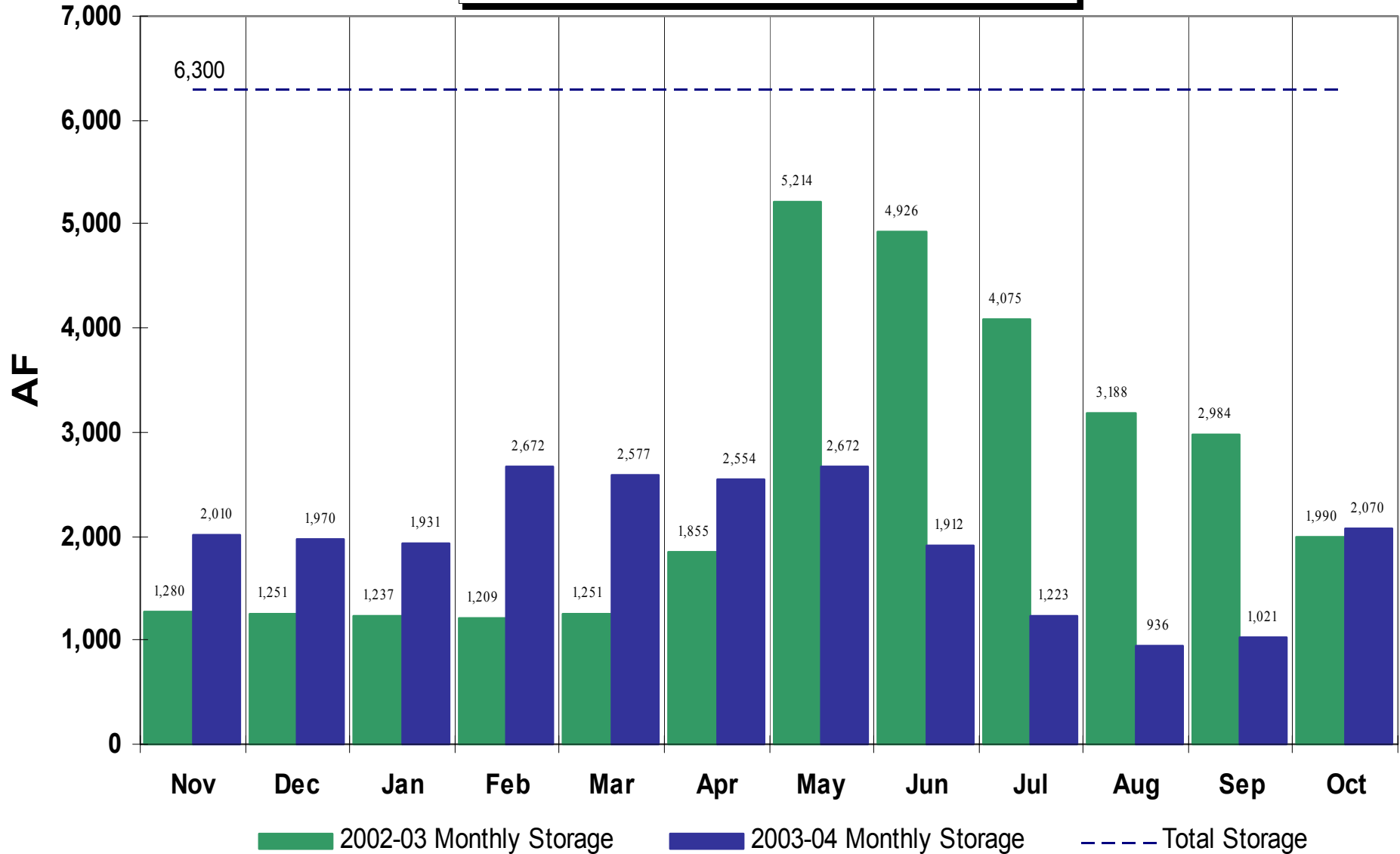


Horse Creek Reservoir

(Agricultural)



Prospect Reservoir (Agricultural)



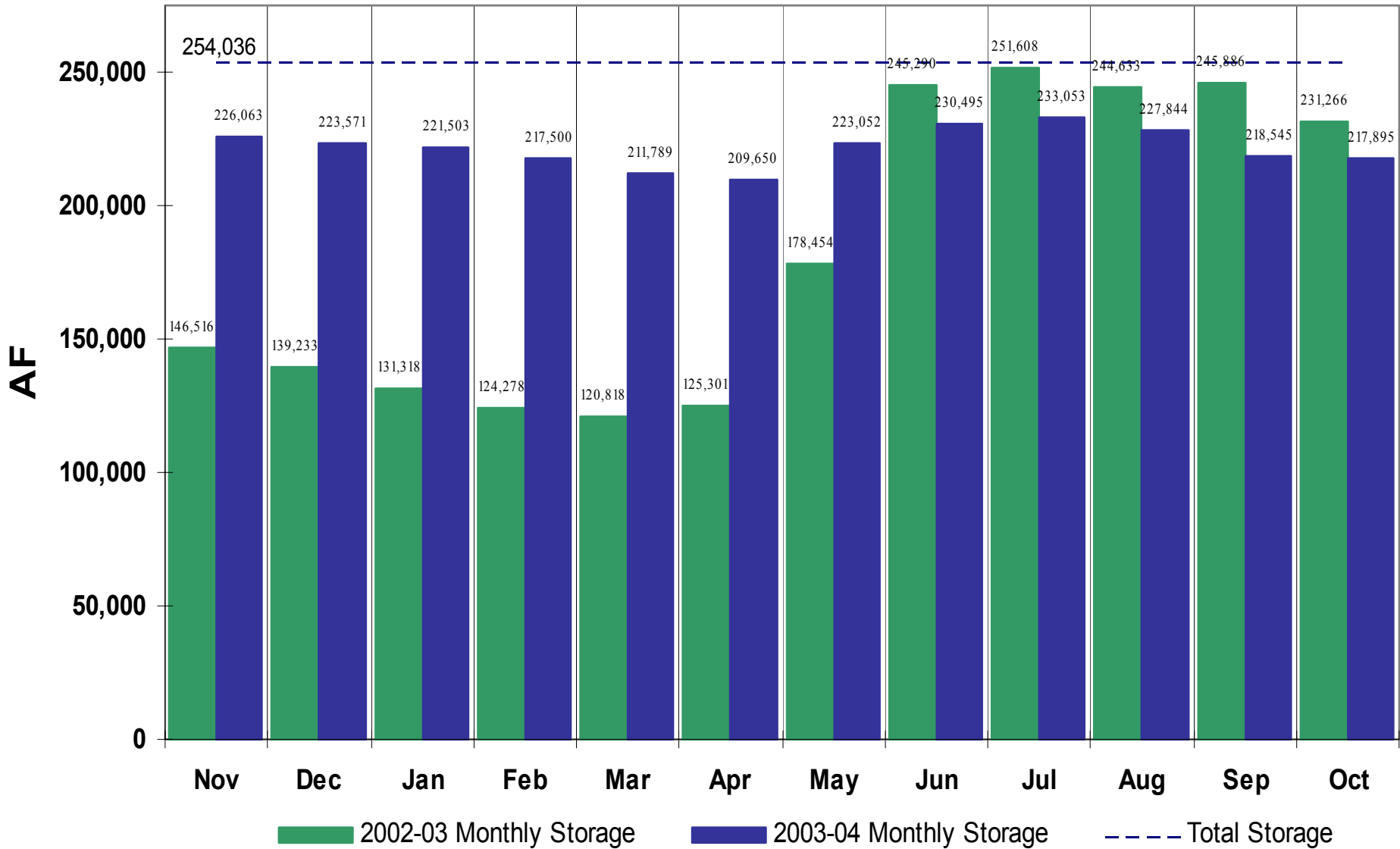
2002-03 Monthly Storage

2003-04 Monthly Storage

Total Storage

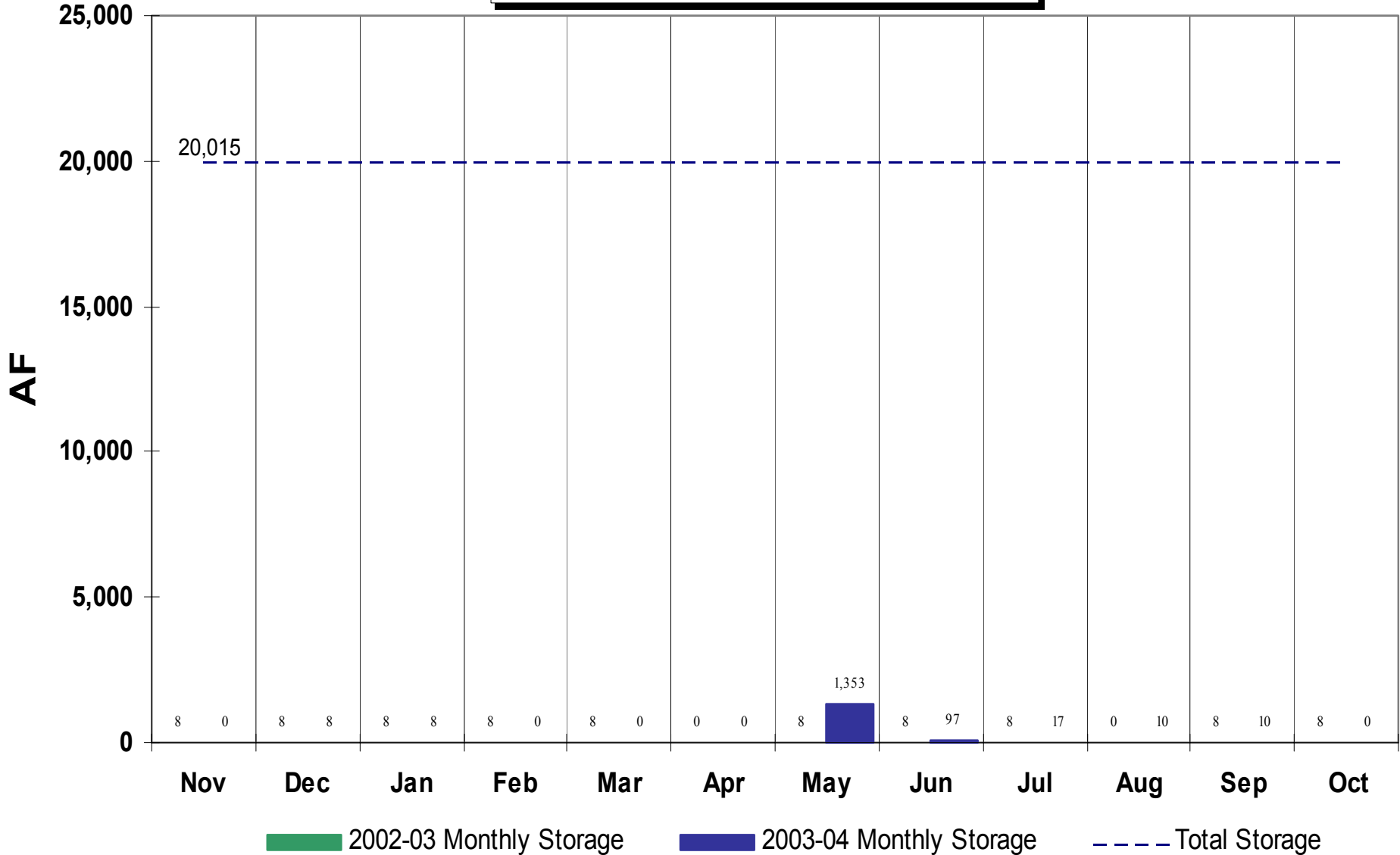
Dillon Reservoir

(Municipal)



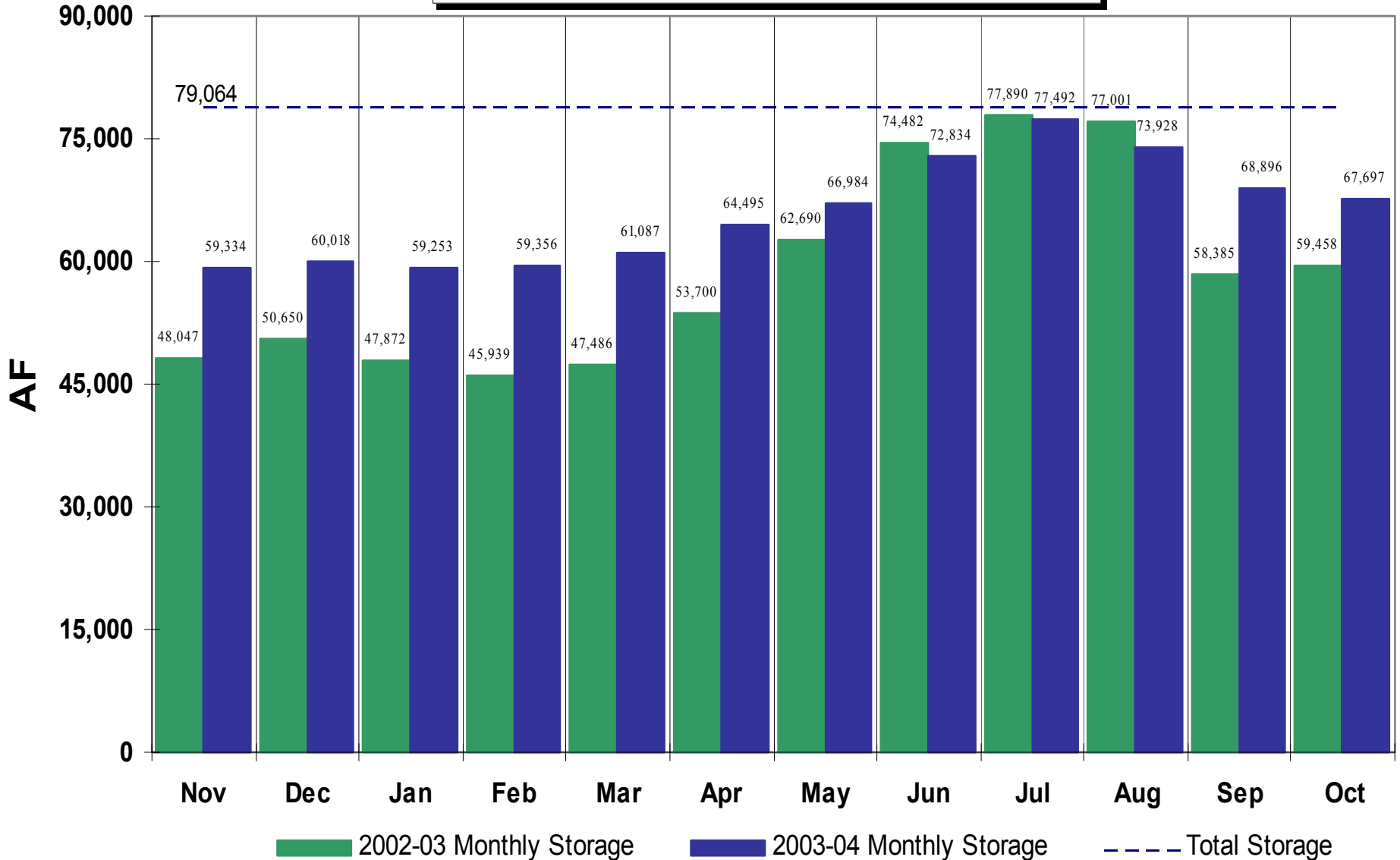
Antero Reservoir

(Municipal)



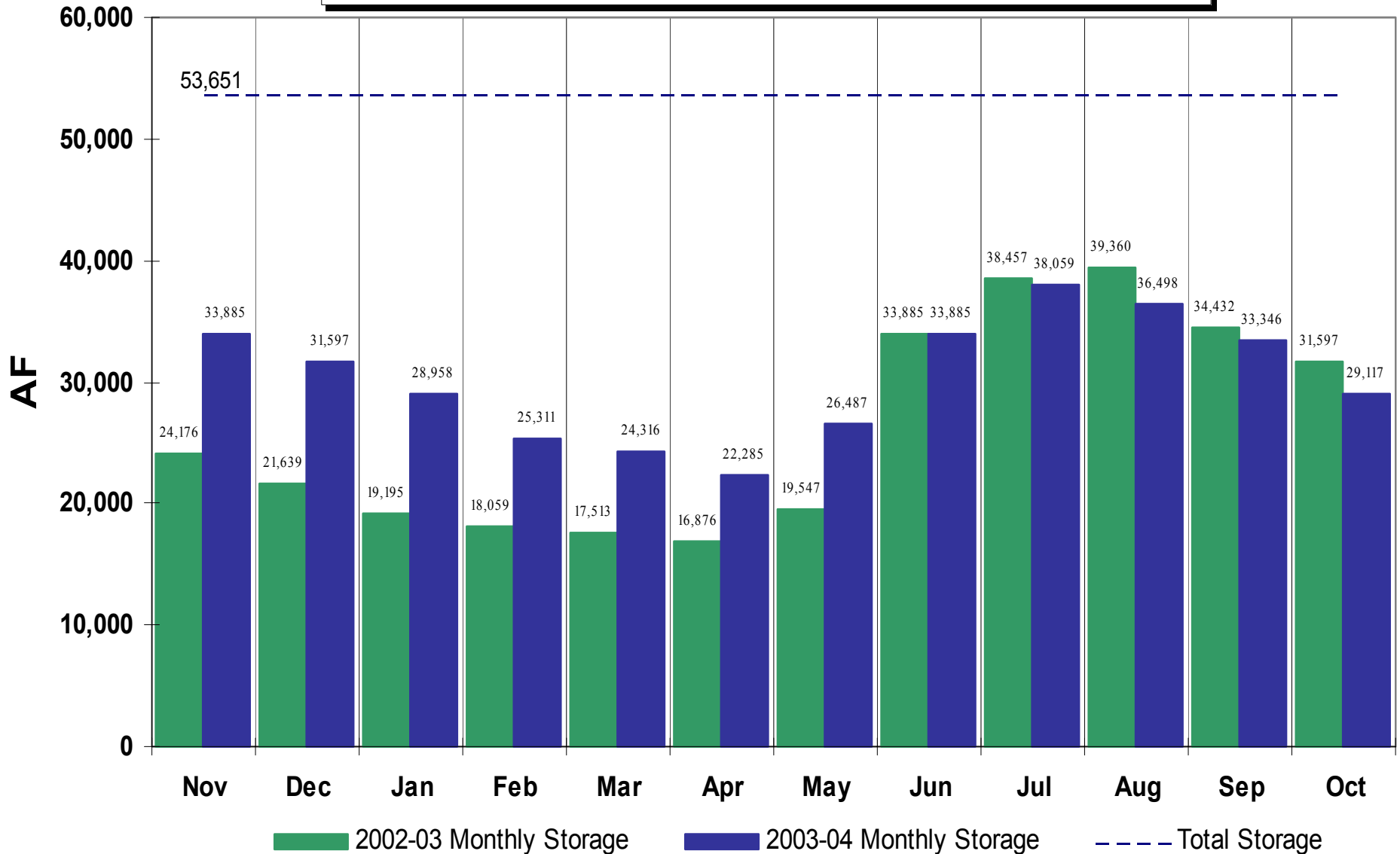
Cheesman Reservoir

(Municipal)



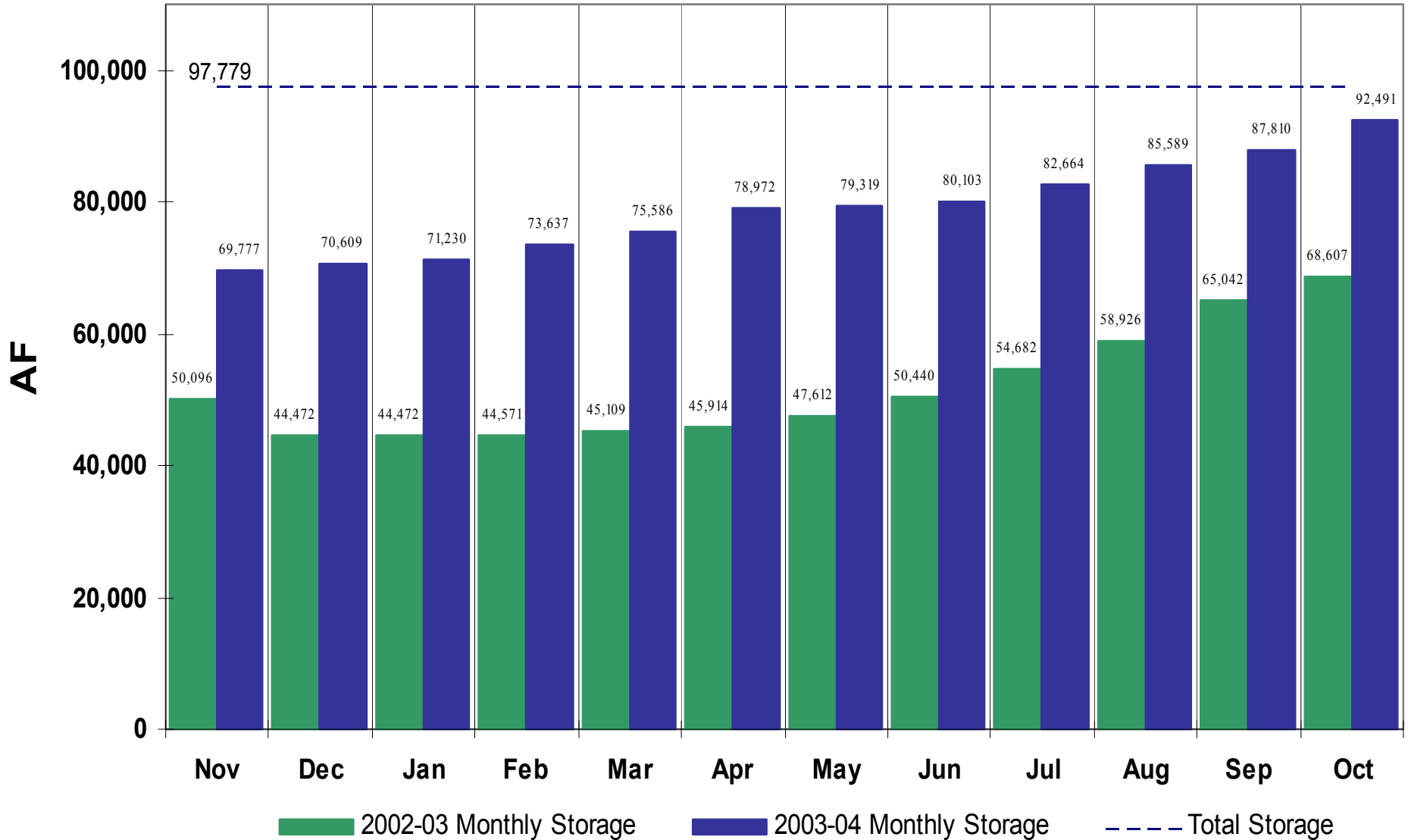
Spinney Mountain Reservoir

(Municipal)

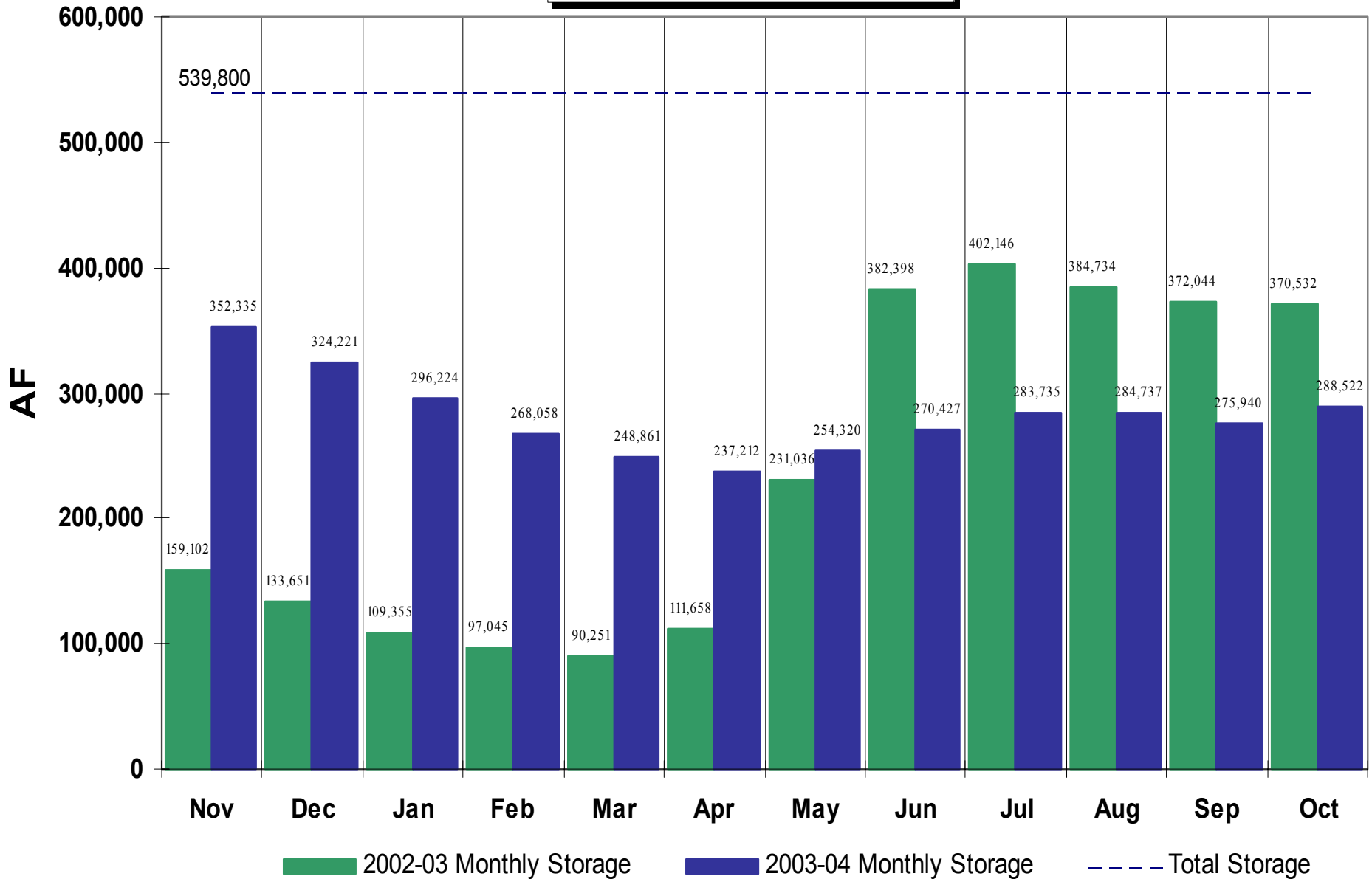



Eleven Mile Reservoir

(Municipal)



Lake Granby



A group of eight people, four men and four women, are standing in a line in front of a small, rectangular concrete structure with a doorway. They are dressed in casual work attire, including vests, jackets, and jeans. The background shows a clear blue sky and a field of tall grass. A white pickup truck is partially visible behind the group on the right.

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

**This month's summary is dedicated to John
Lochhead who retired at the end of this month.**

Thank you, John, for all you've done!

We'll miss you!