

A scenic landscape photograph of Tarryall Reservoir. The foreground is filled with the dark blue, rippling water of the reservoir. In the middle ground, there are rocky, grassy hillsides. In the background, a range of large, rugged mountains is visible, with significant snow cover on their peaks and ridges. The sky is a clear, bright blue with a few wispy white clouds.

South Platte Summary

May 2005

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

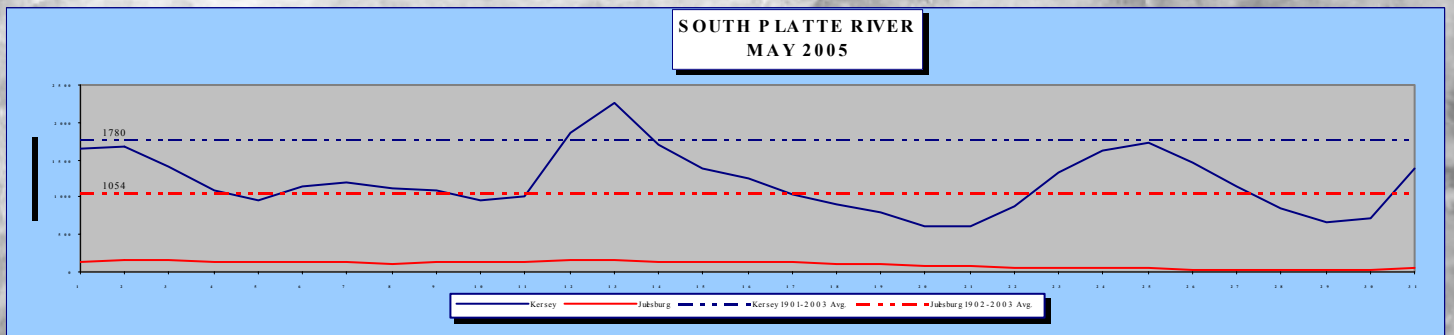
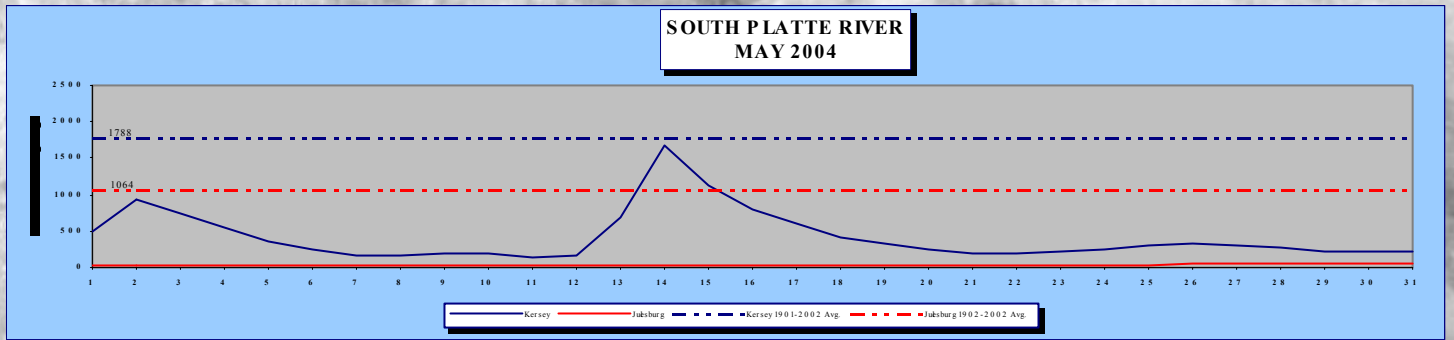
Tarryall Reservoir

COLORADO DIVISION OF WATER RESOURCES, DIVISION 1

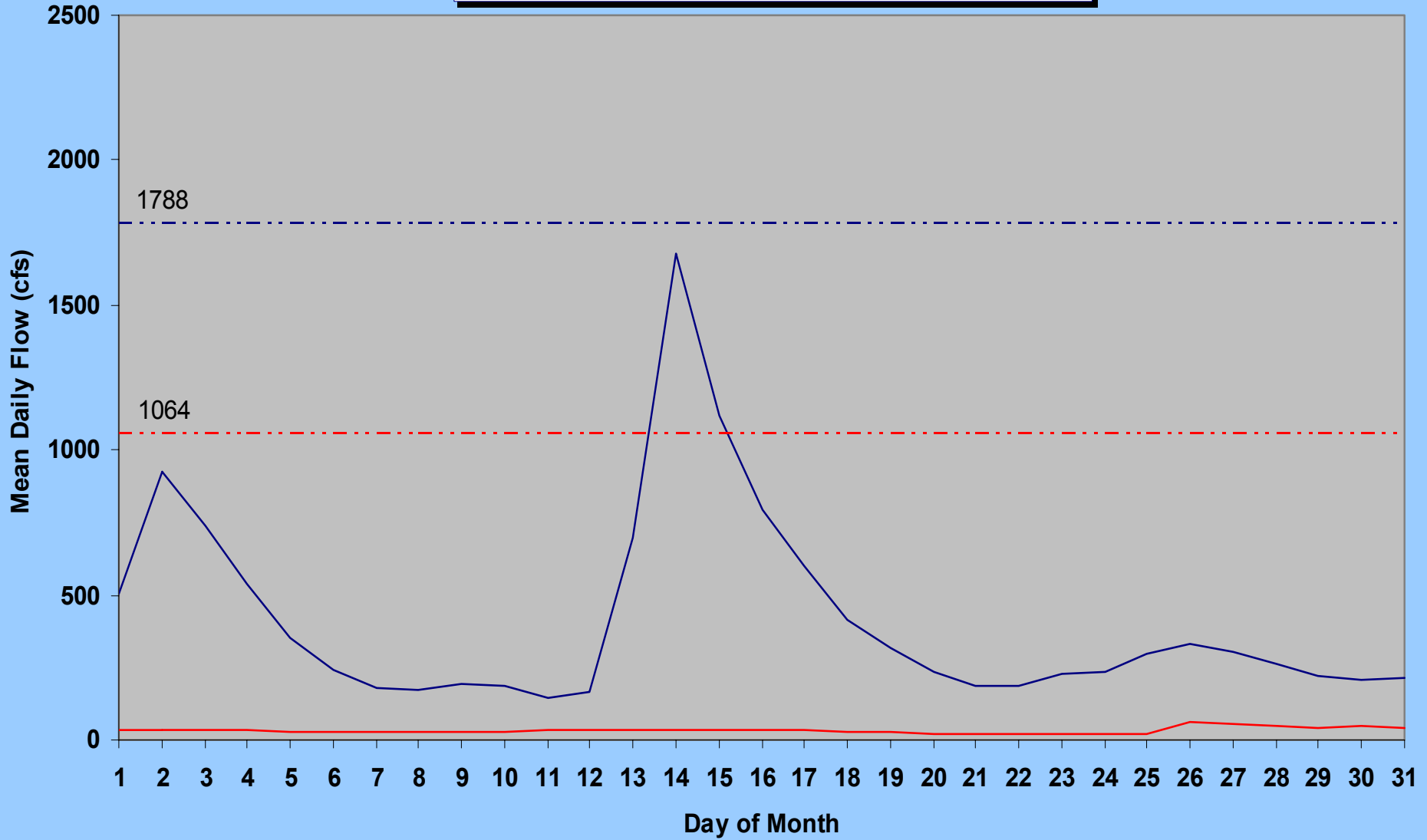
MONTH OF MAY 2005

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	22,961	21,359	64	-1,602	-7%	94%	90%	0
N STERLING	73,730	70,040	69,060	64	-980	-1%	94%	66%	0
PREWITT	28,500	27,560	27,200	64	-360	-1%	95%	38%	0
JACKSON	27,257	26,912	26,826	1	-86	0%	98%	86%	0
EMPIRE	37,700	34,930	29,899	1	-5,031	-14%	79%	43%	0
RIVERSIDE	63,113	63,113	60,147	1	-2,966	-5%	95%	66%	0
BARR LAKE	31,652	30,351	29,980	2	-371	-1%	95%	63%	0
CHEESMAN	79,064	79,493	79,537	80	44	0%	100%	85%	473
ELEVEN MILE	97,779	98,835	99,212	23	377	0%	100%	81%	1,433
SPINNEY	53,651	25,024	30,419	23	5,395	22%	57%	49%	0
ANTERO	20,015	1,691	3,262	23	1,571	93%	16%	7%	0

RIVER GAGES	MEAN DAILY FLOW (CFS)
KERSEY	1210
JULESBURG	101
THIS MONTH LAST YEAR	
KERSEY	416
JULESBURG	33
MEAN FOR PERIOD OF RECORD*	
KERSEY	1780
JULESBURG	1054
* 1901-2003	
1902-2003	

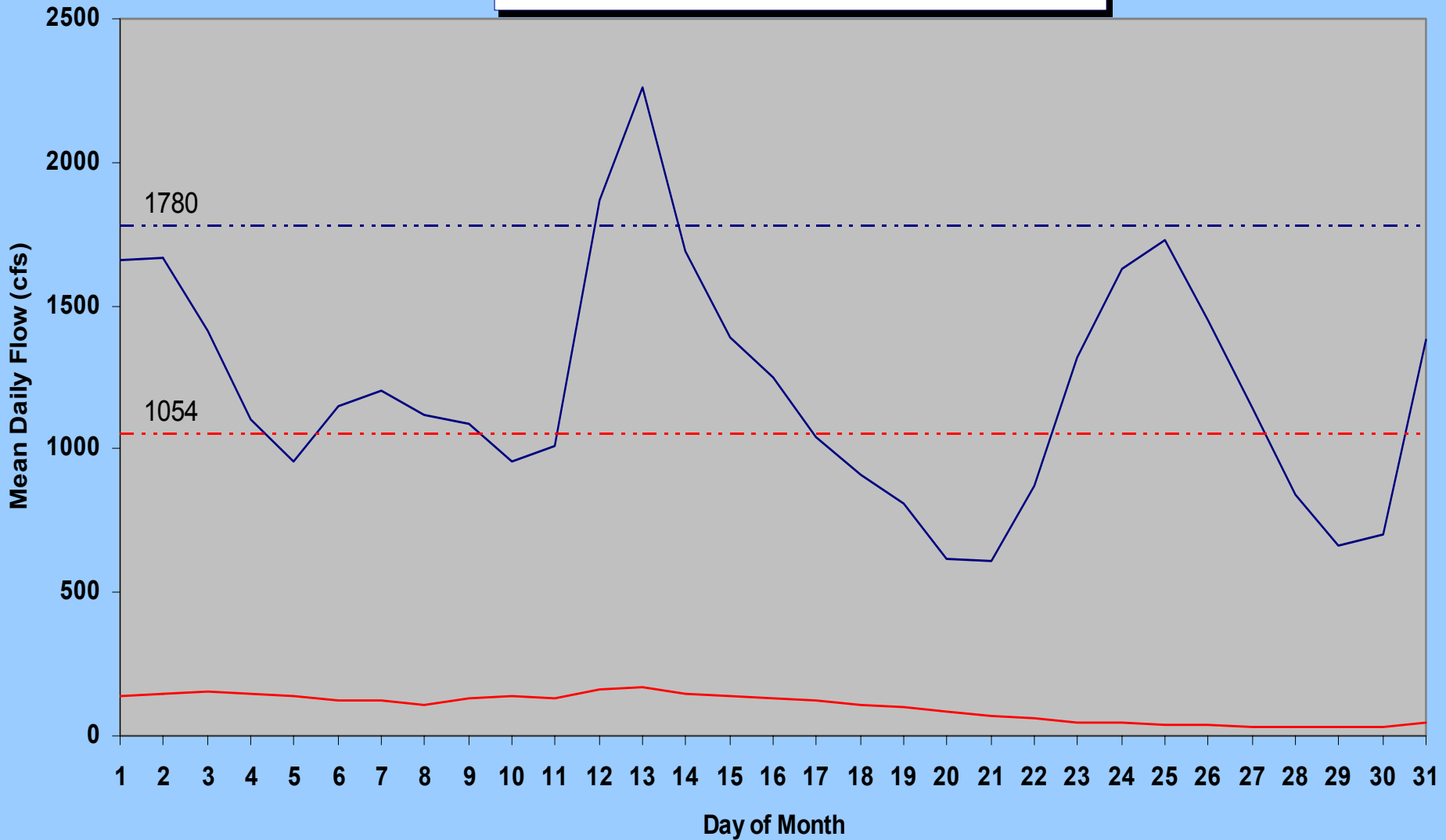


SOUTH PLATTE RIVER MAY 2004



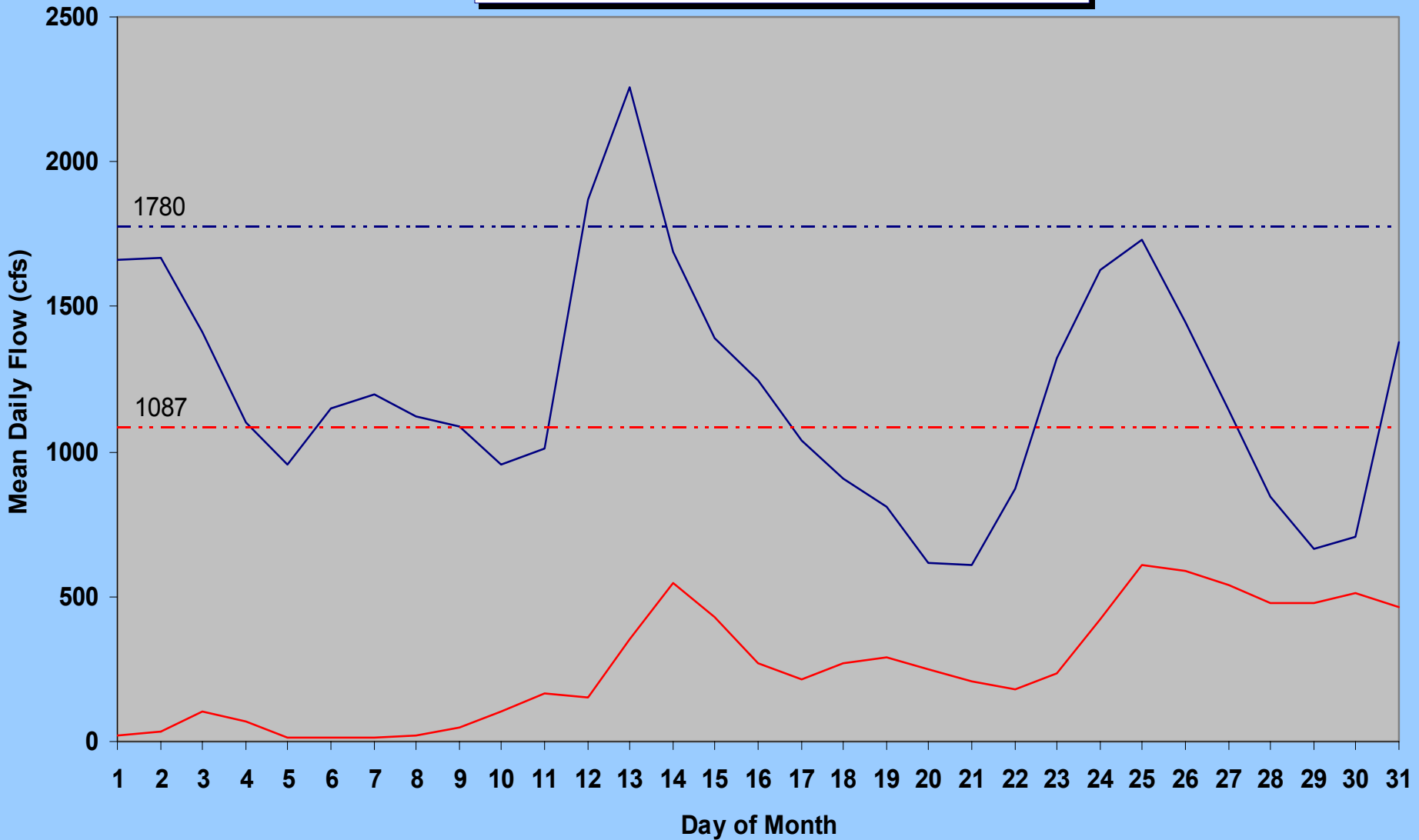
— Kersey — Julesburg - - - Kersey 1901-2002 Avg. - - - Julesburg 1902-2002 Avg.

SOUTH PLATTE RIVER MAY 2005



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

KERSEY and BALZAC MAY 2005



— 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	58	N
Jan	658	2160	1974	158	1935	524	N	Jan	530	2510	1970	21	2003	113	Y
Feb	674	3060	1914	152	1935	647	N	Feb	609	5610	2004	0	2004	39	N
Mar	688	3470	1983	80	1935	589	N	Mar	550	12900	1910	0.83	2004	24	N
Apr	853	18100	1942	28	1955	854	N	Apr	545	14400	1942	4	1904	125	N
May	1780	26100	1973	29	1955	1210	N	May	1054	18100	1973	12	1911	101	N
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

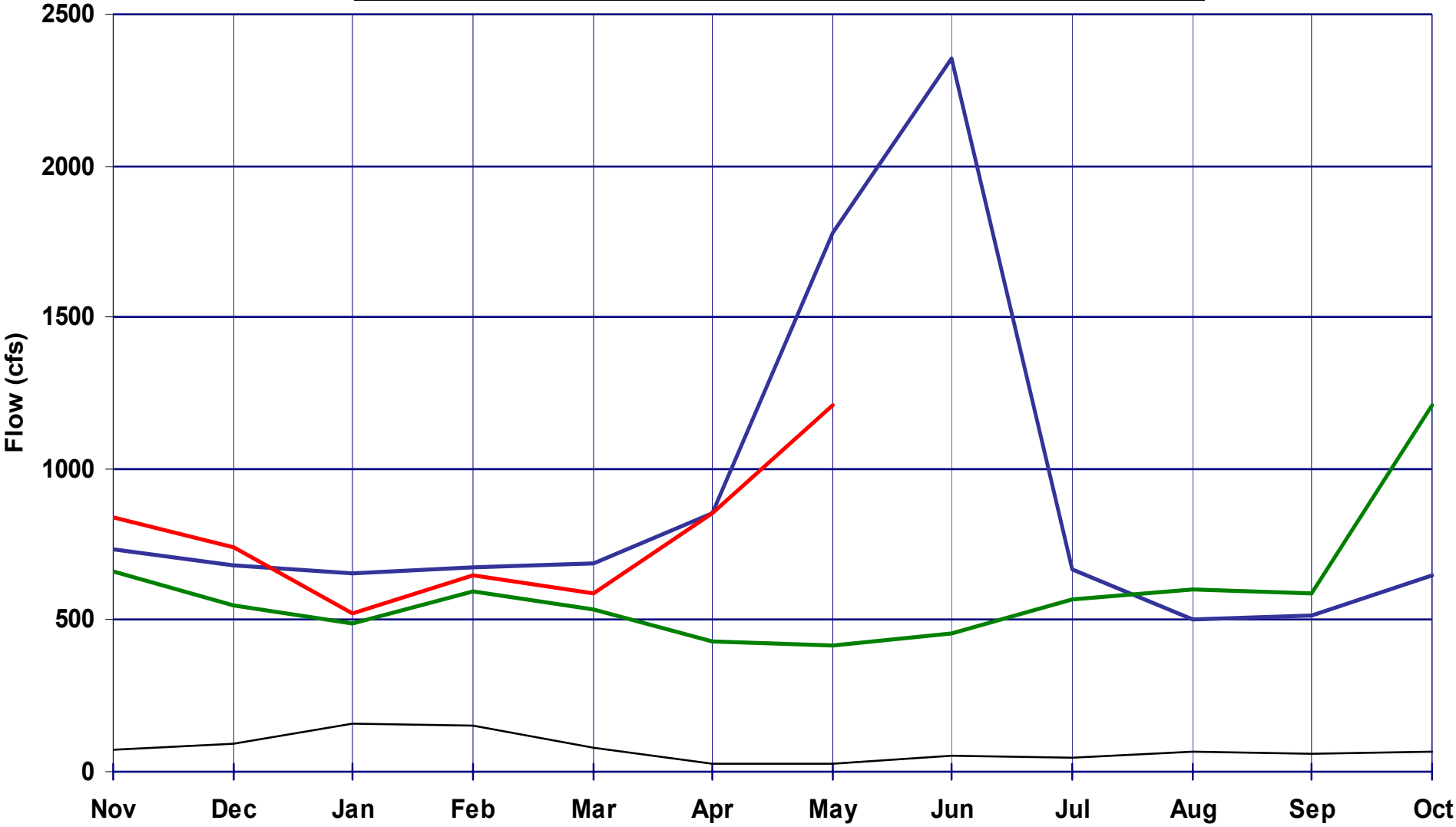
*Period of record 1902-2003



Cherry Creek
Reservoir

South Platte River at Kersey

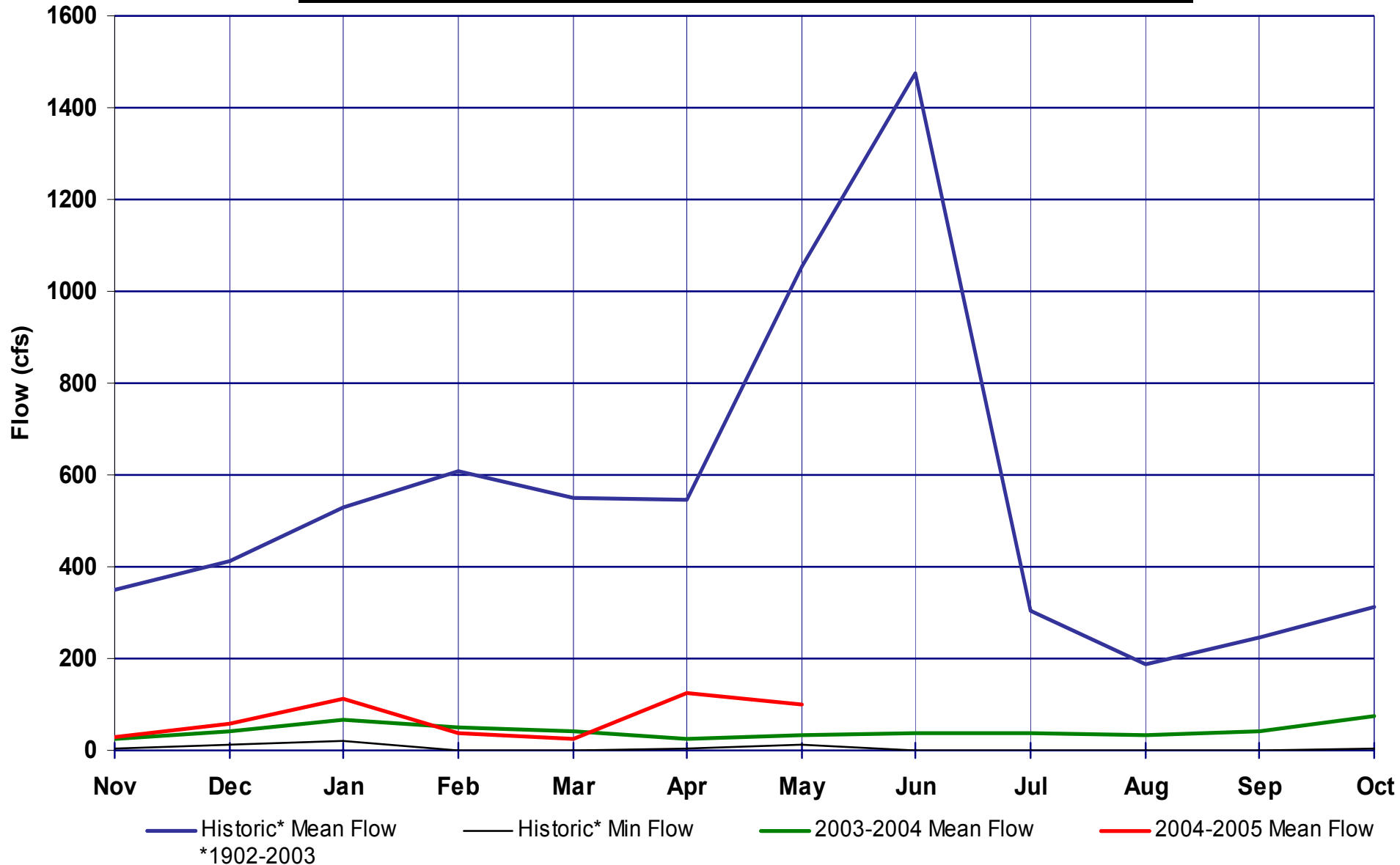
Irrigation Water Year



— Historic* Mean Flow *1901-2003 — Historic* Min Flow — 2003-2004 Mean Flow — 2004-2005 Mean Flow

South Platte River at Julesburg

Irrigation Water Year

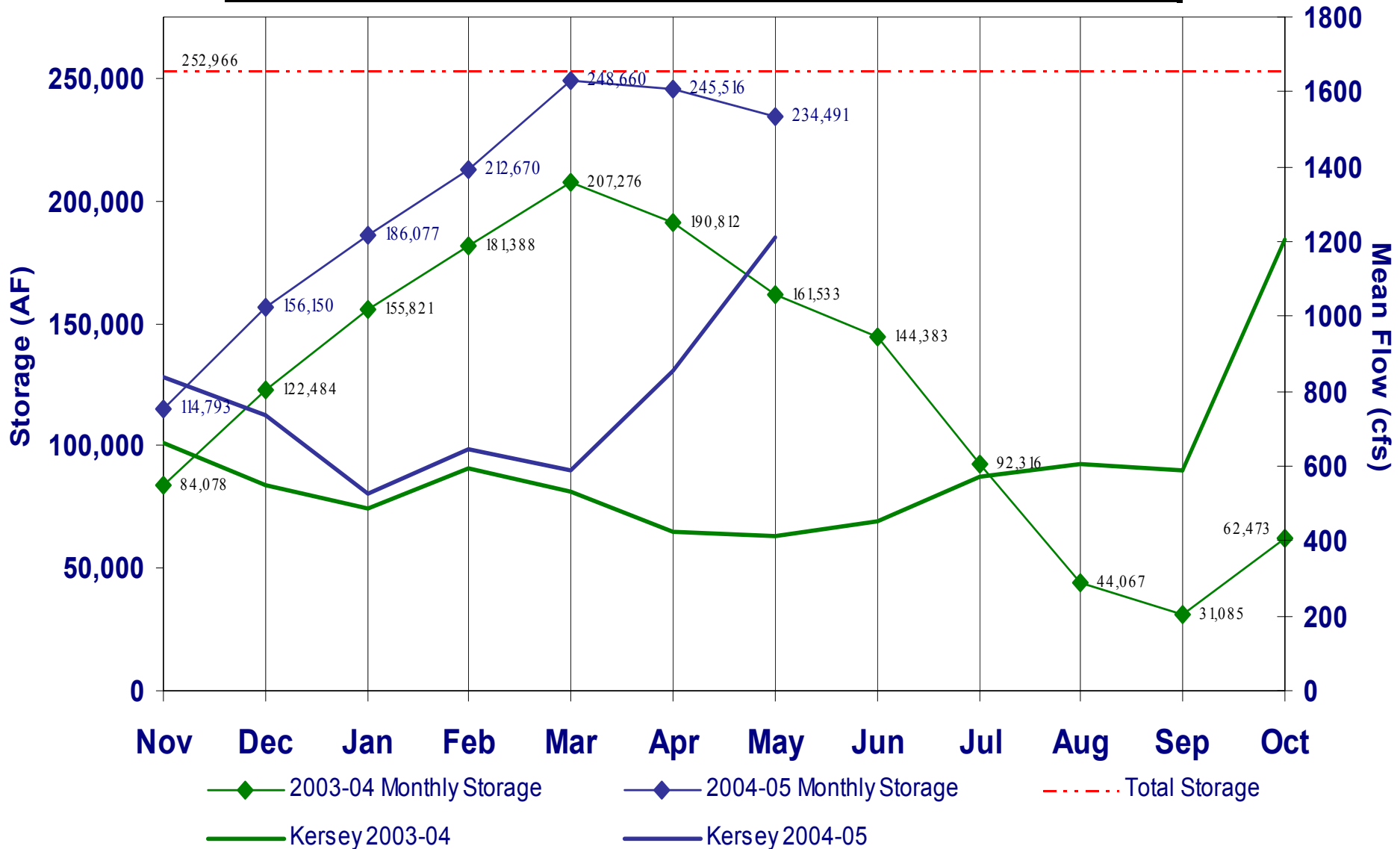


**Next four slides show Reservoir Storage
below and above Kersey**



Reservoir Storage below Kersey

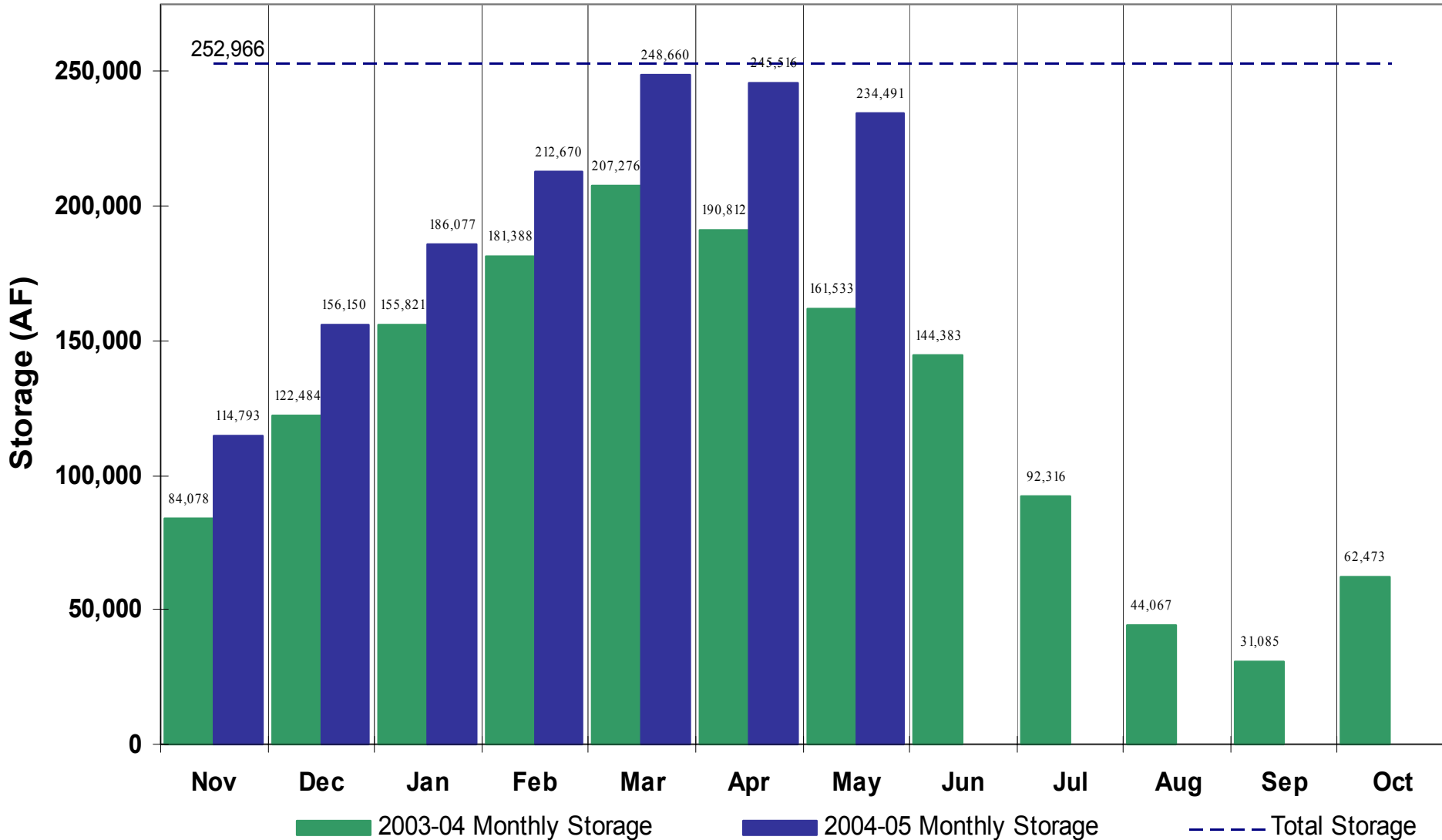
Selected Reservoirs*



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

South Platte Reservoirs

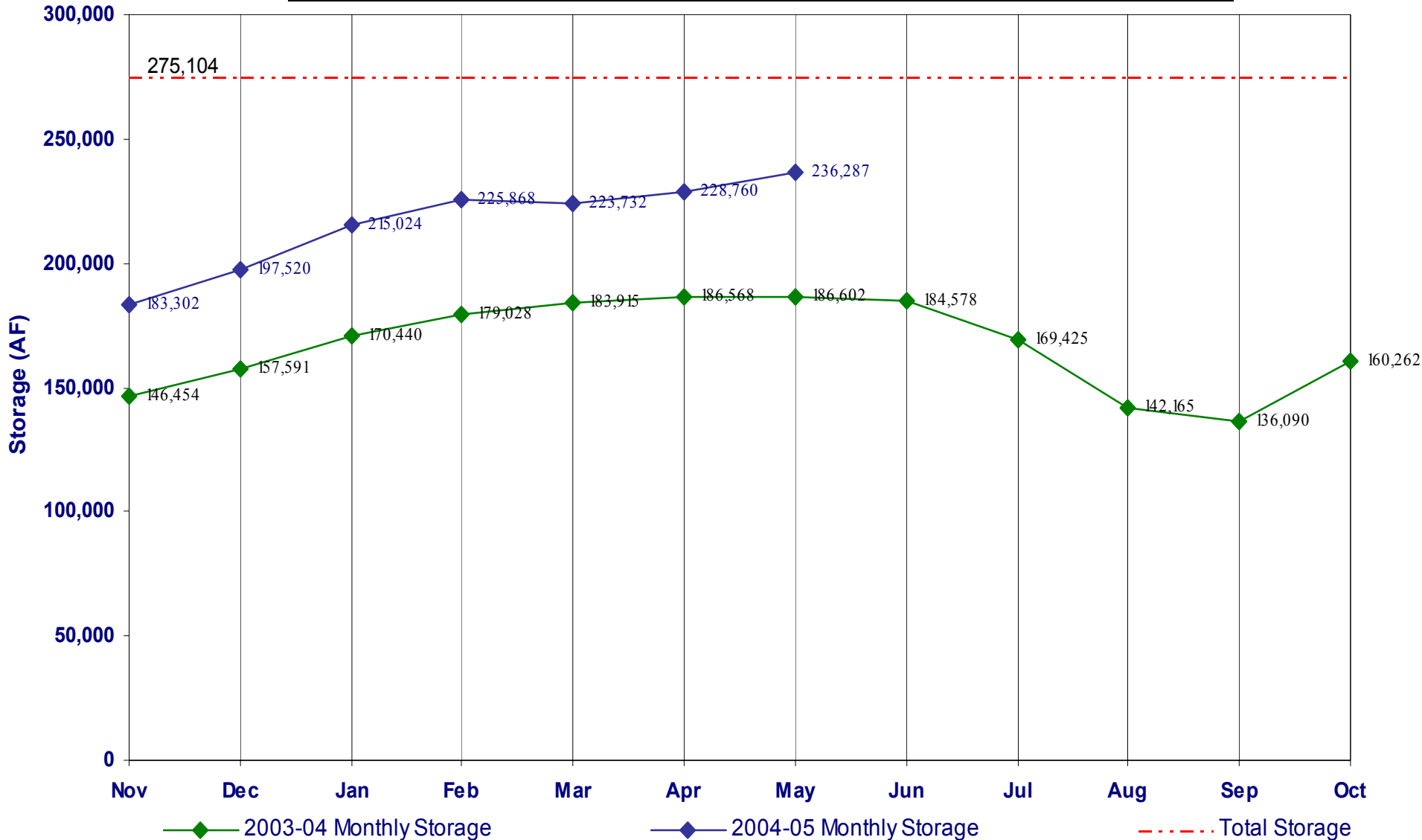
Storage below Kersey*



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

Reservoir Storage above Kersey

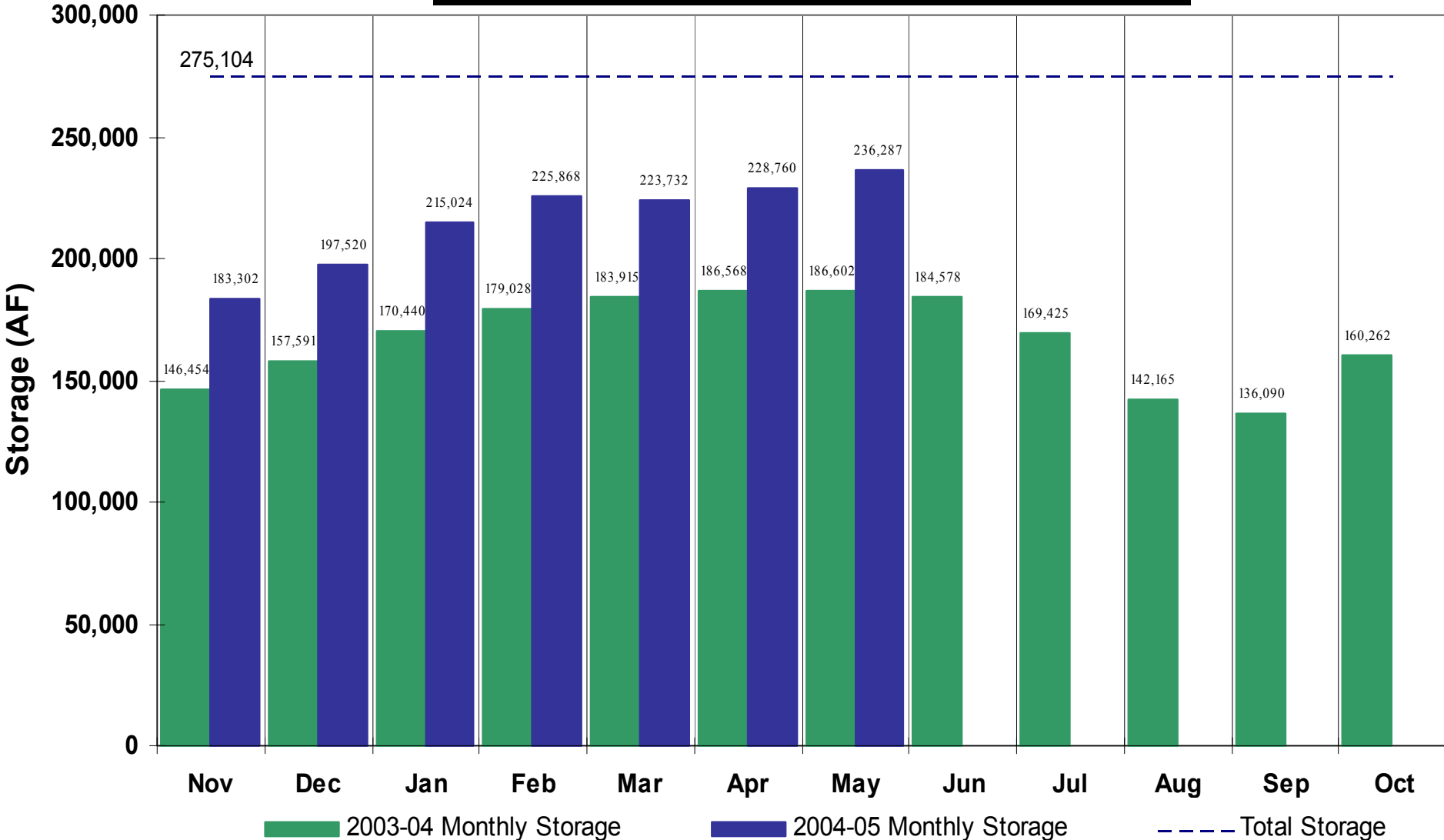
Selected Reservoirs*



*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



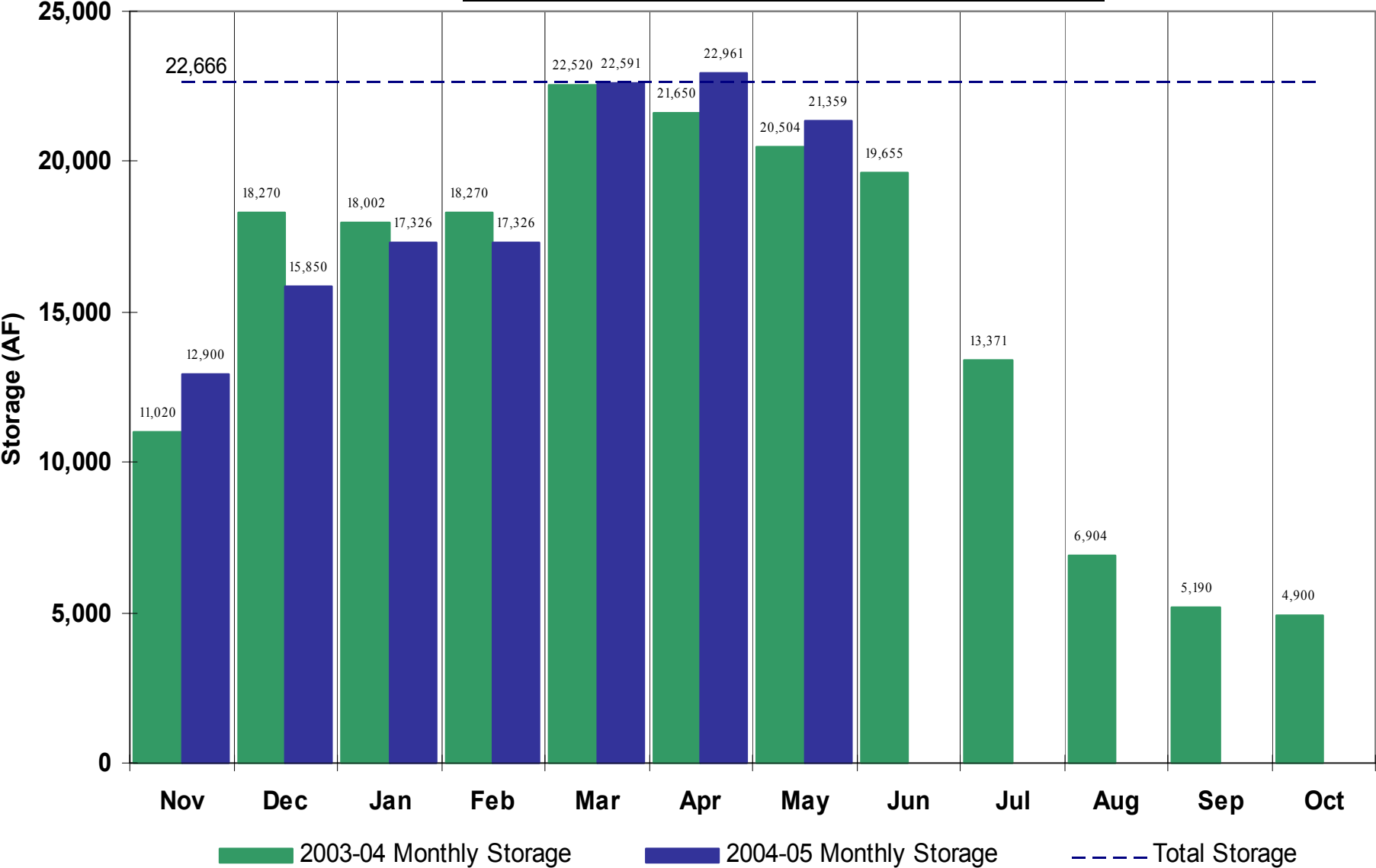
Individual Reservoir Storage Follows



Carp at Empire Weir
(photos by John Anderson)

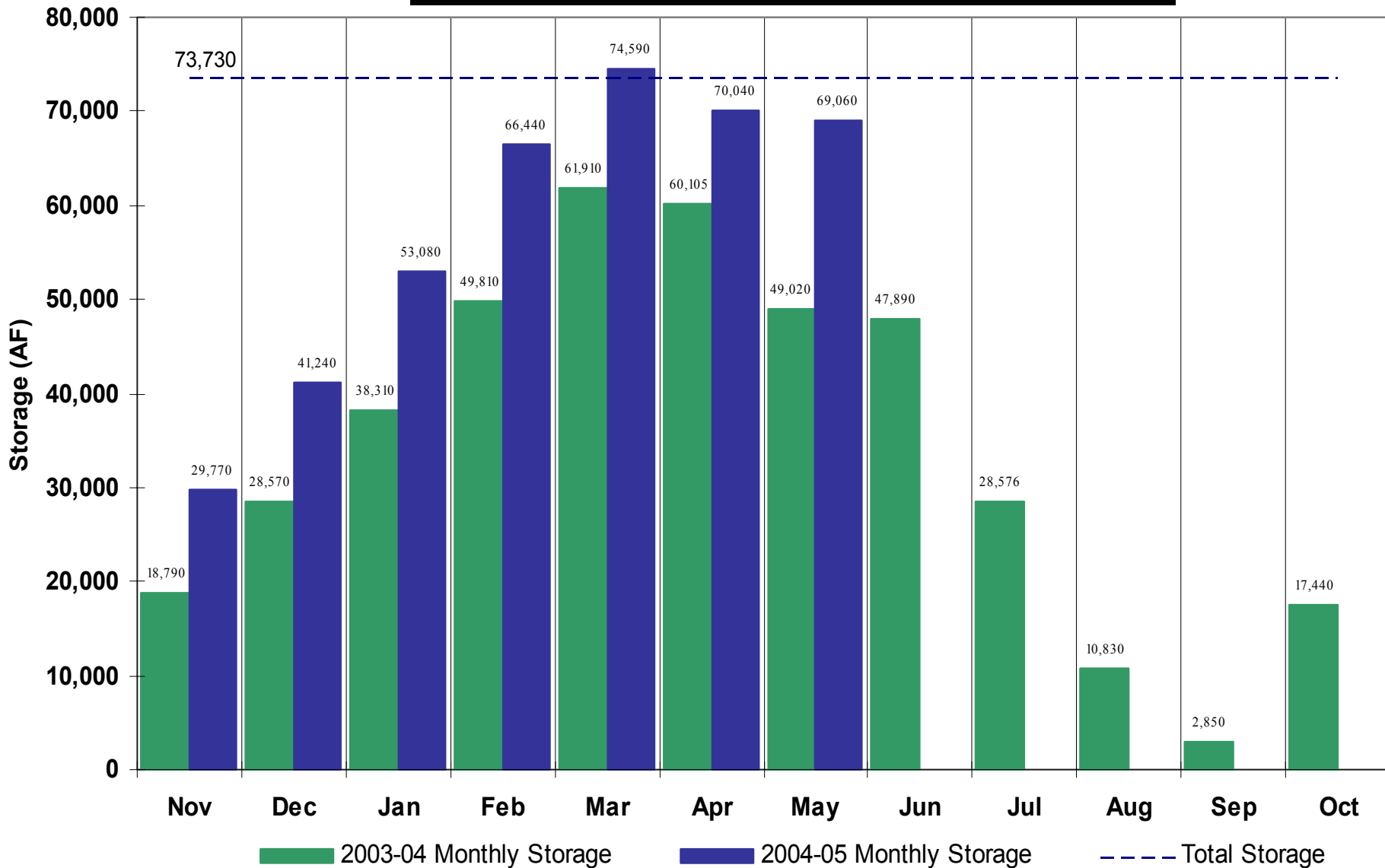
Julesburg Reservoir

(Agricultural)



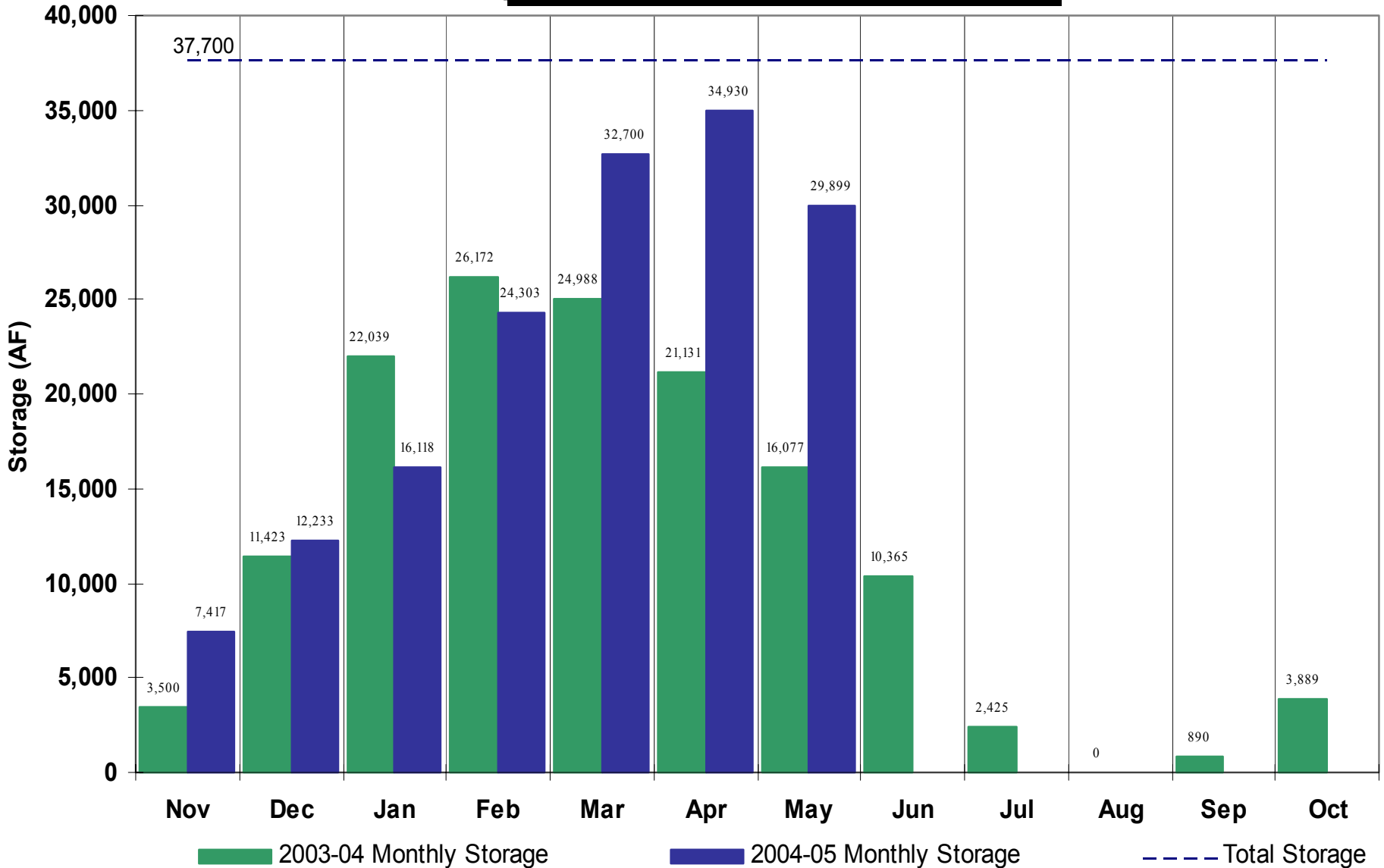
North Sterling Reservoir

(Agricultural)



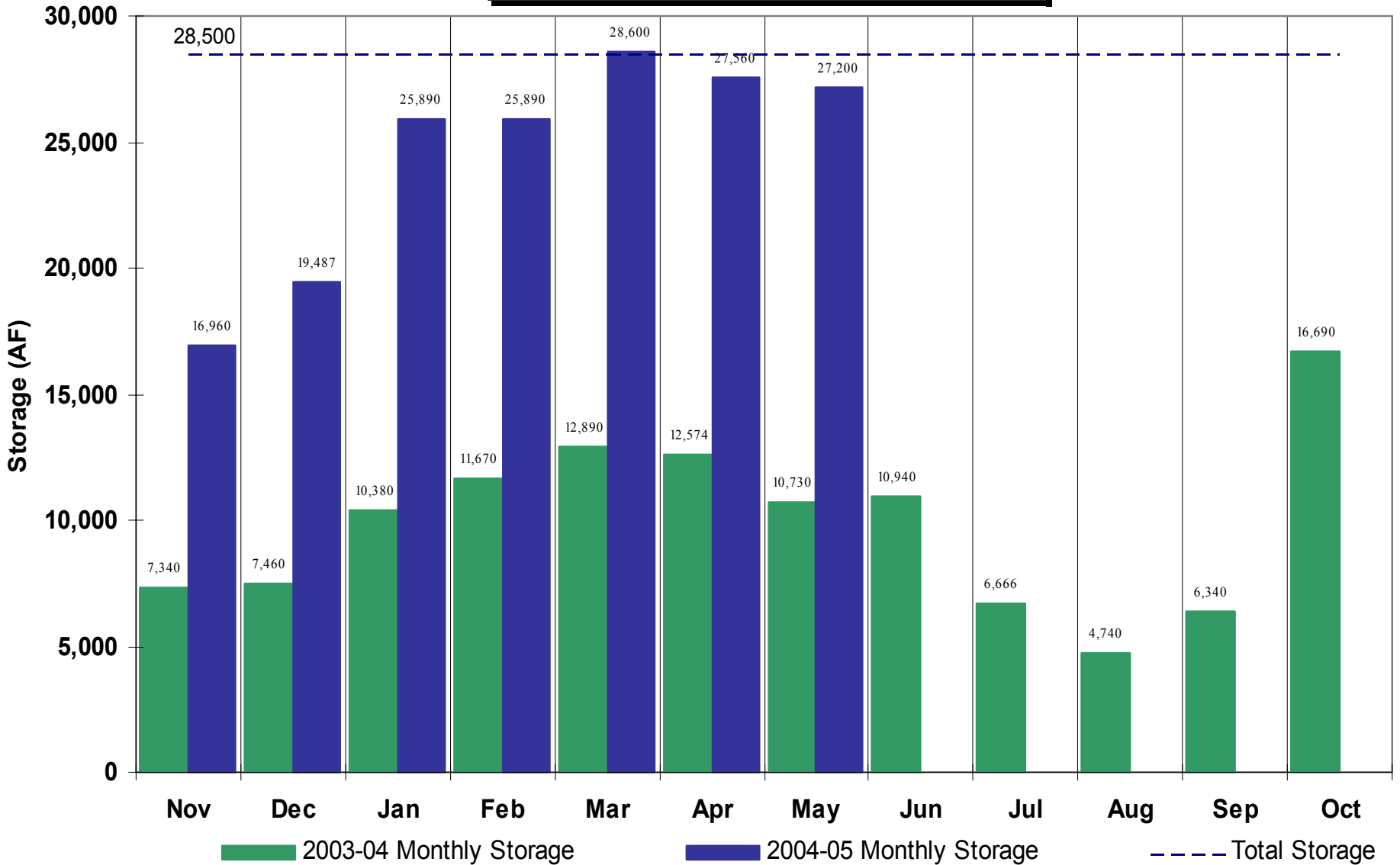
Empire Reservoir

(Agricultural)



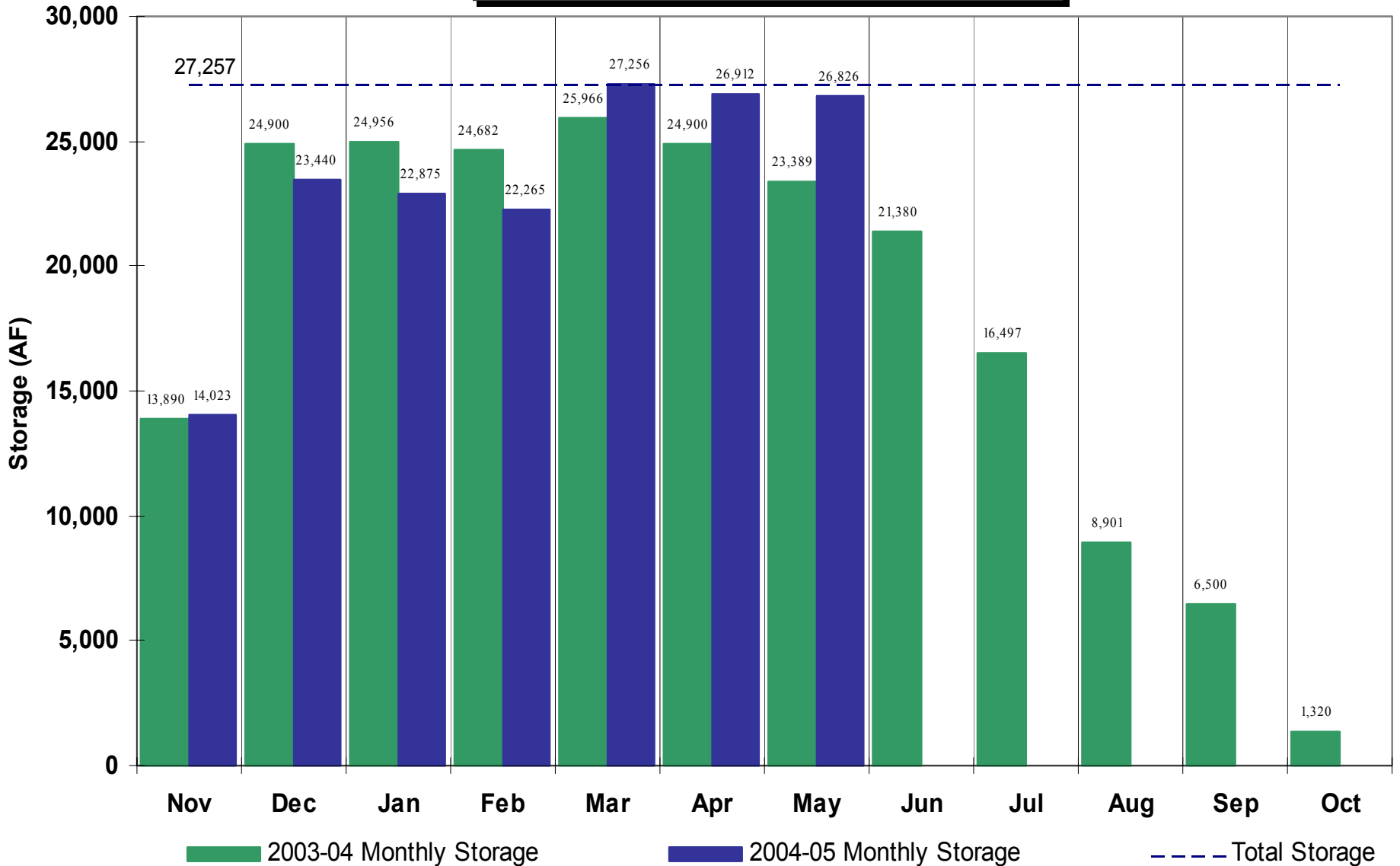
Prewitt Reservoir

(Agricultural)



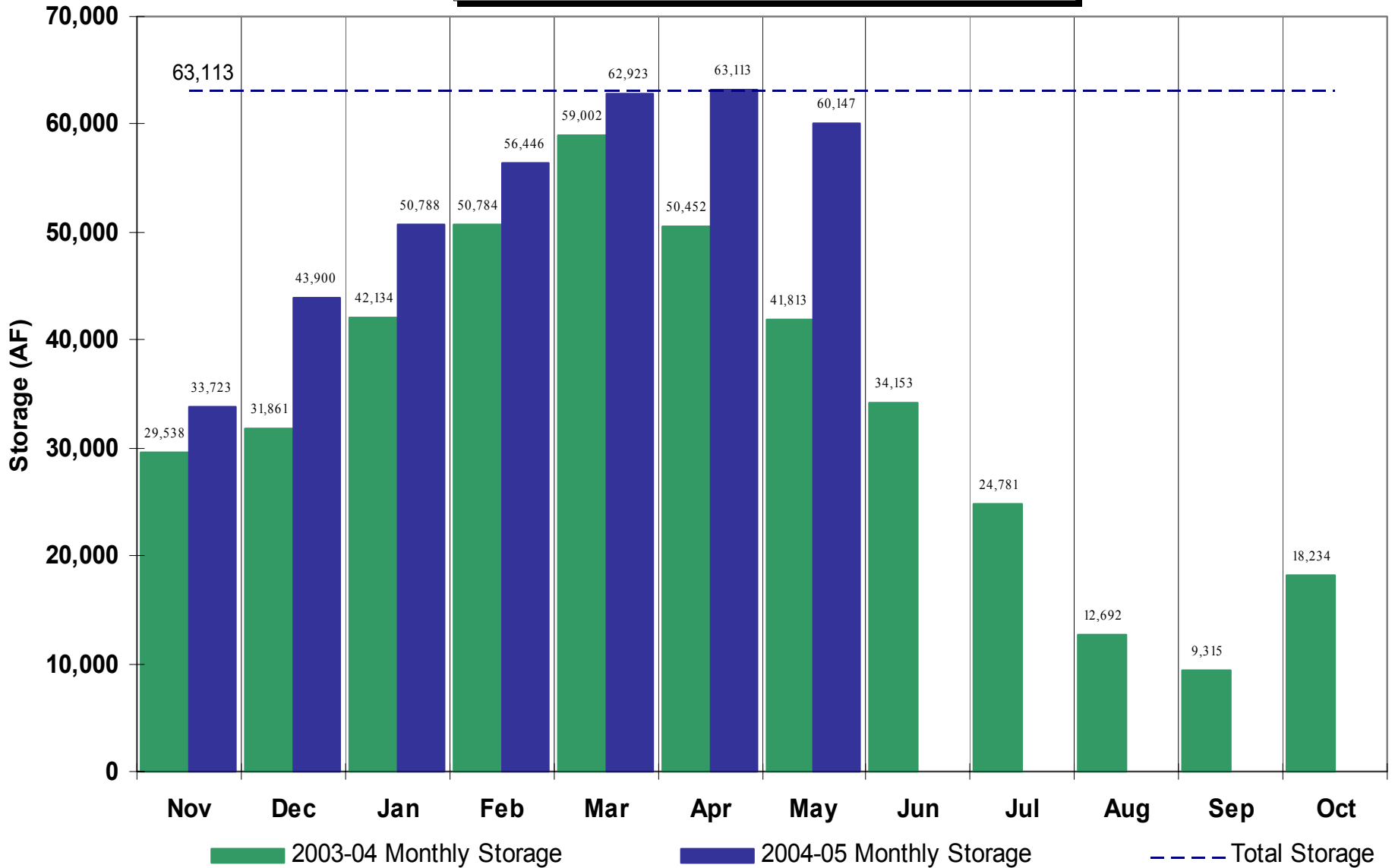
Jackson Reservoir

(Agricultural)



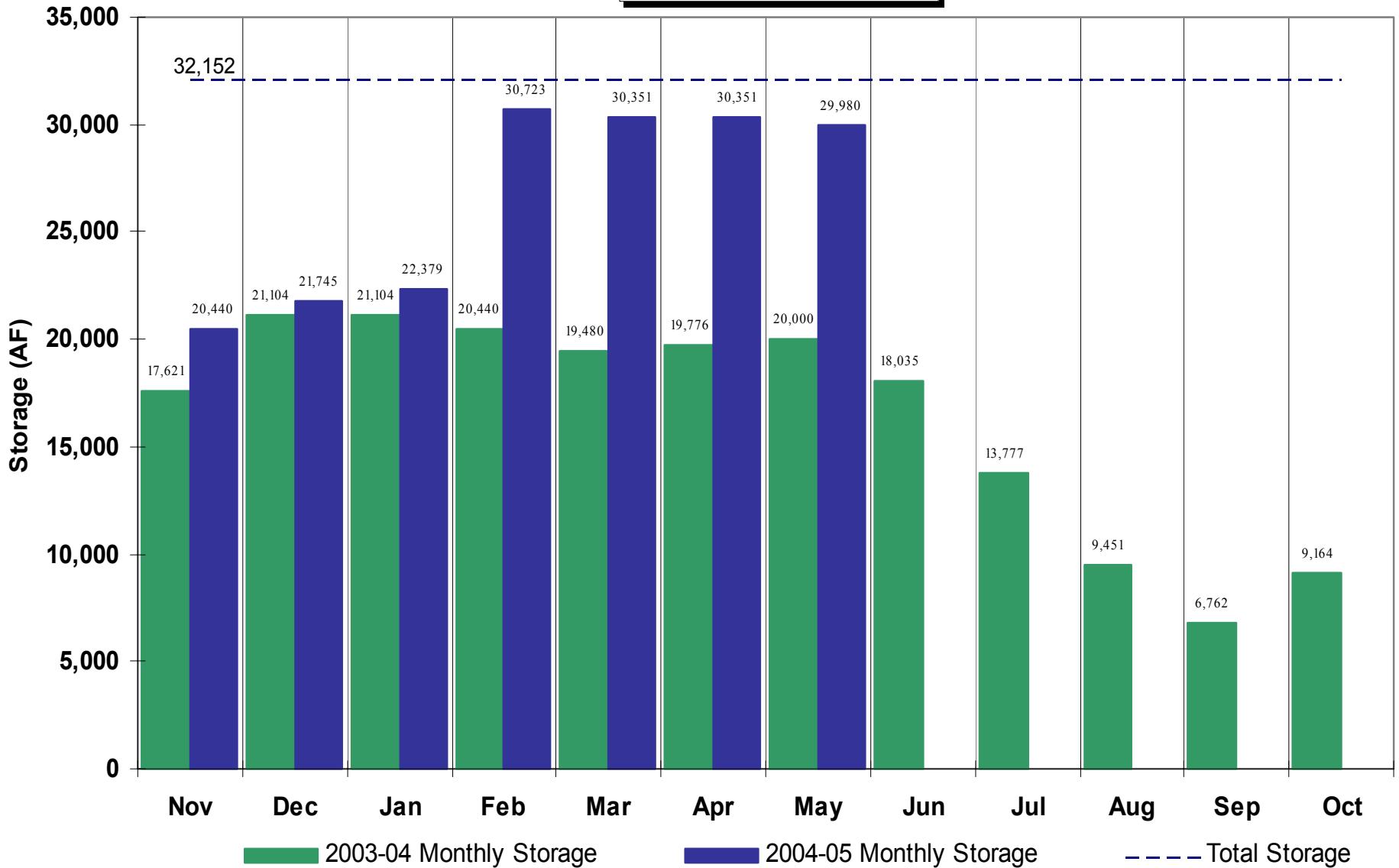
Riverside Reservoir

(Agricultural)



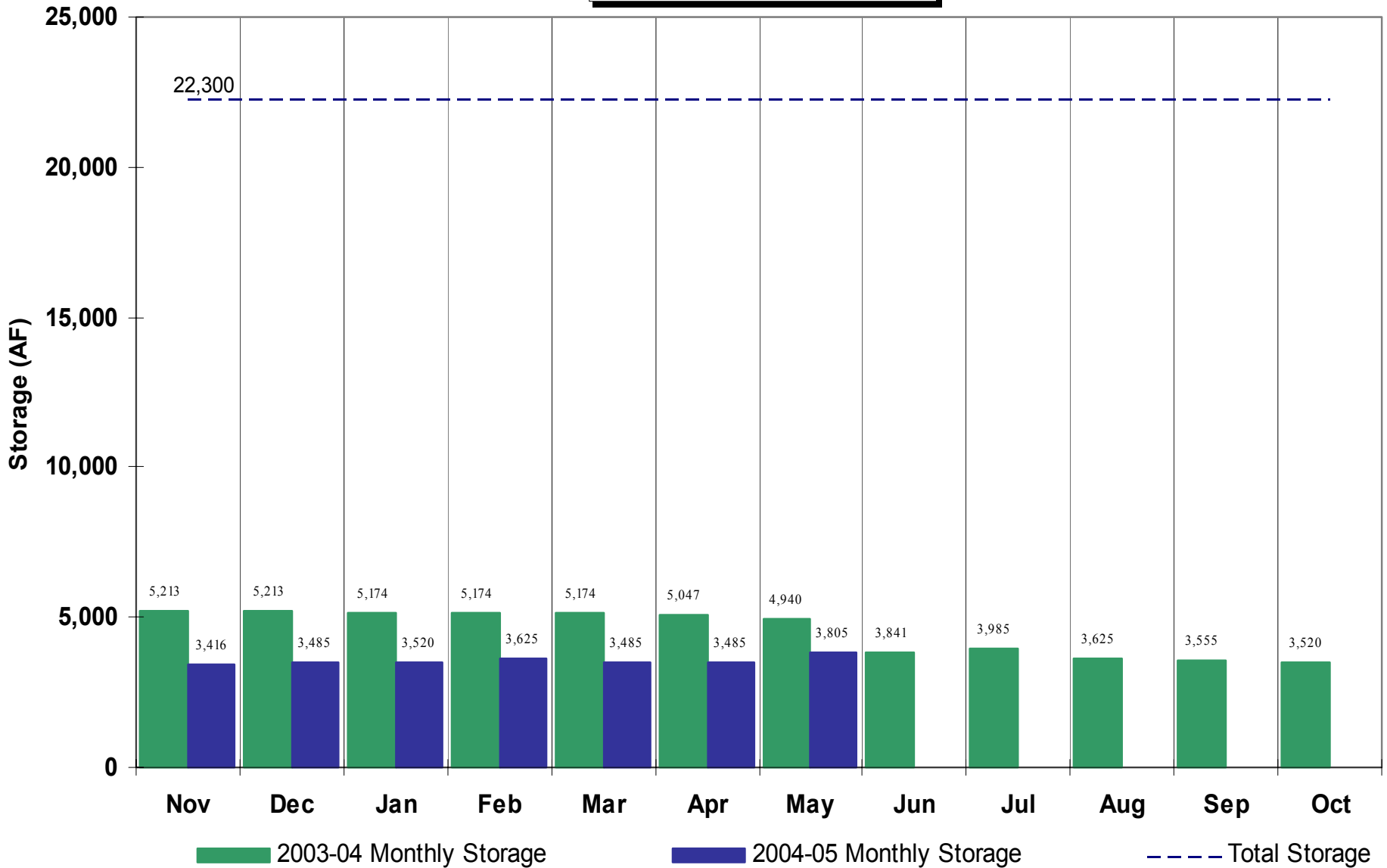
Barr Lake

(Agricultural)



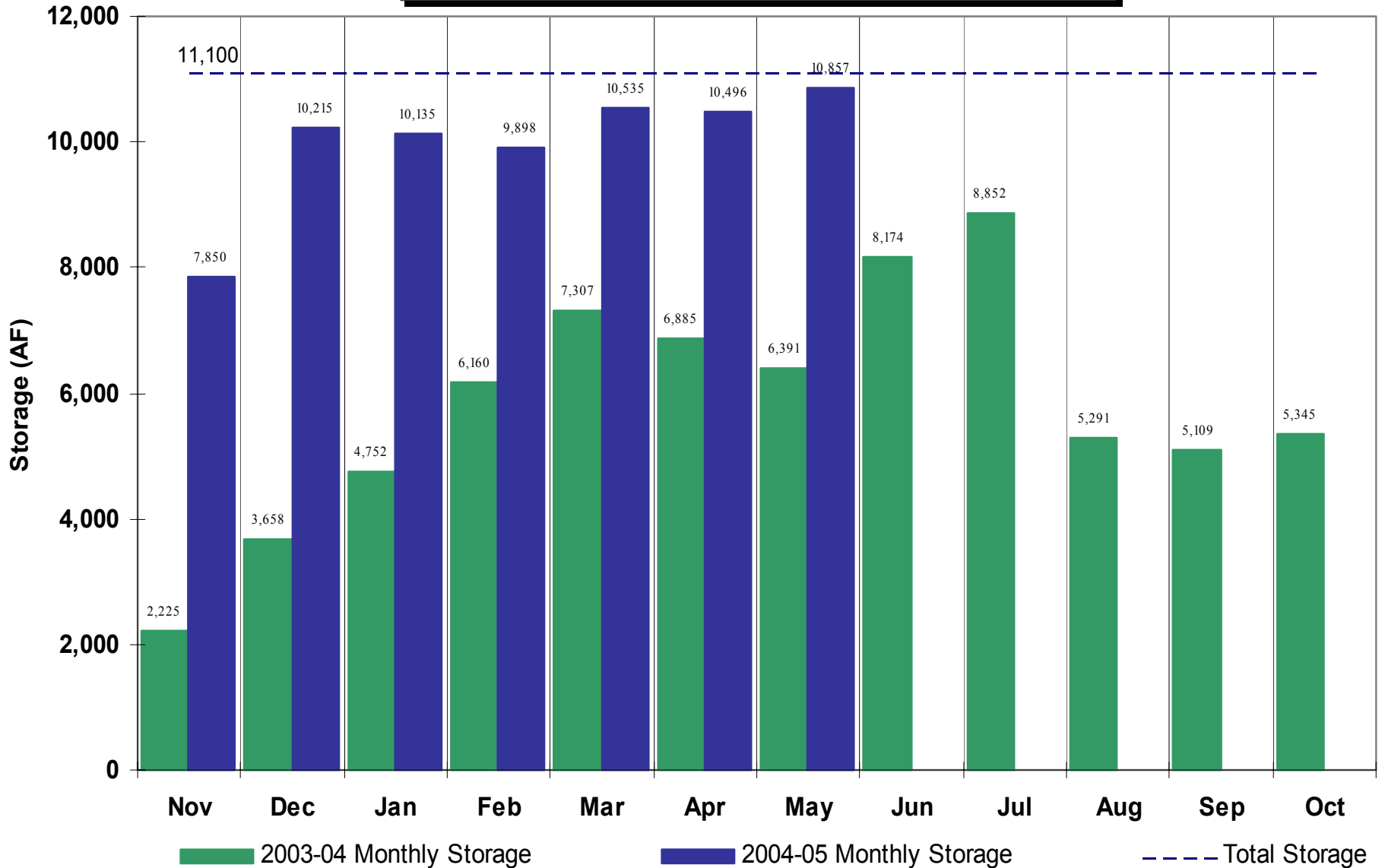
Cobb Lake

(Agricultural)



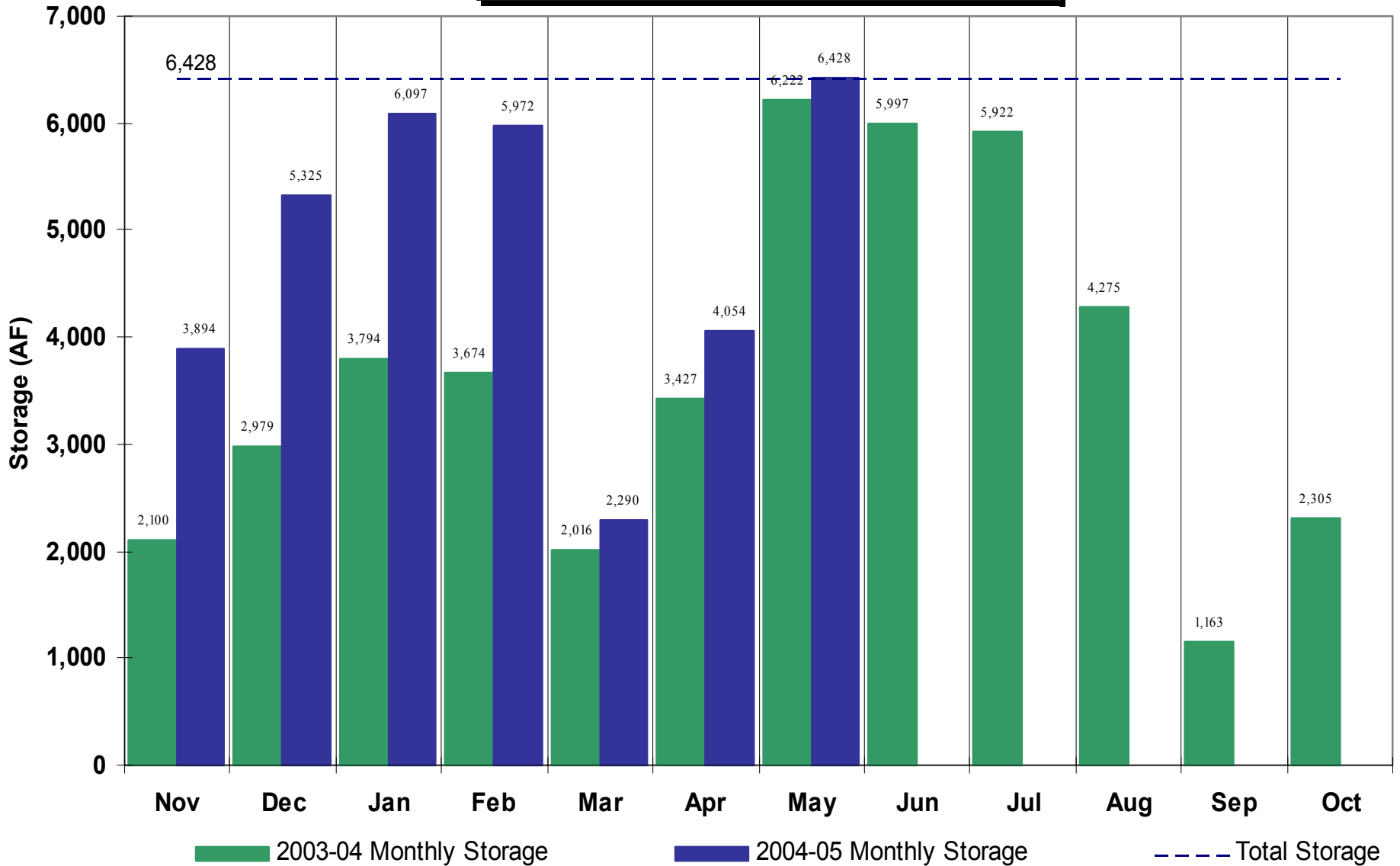
Fossil Creek Reservoir

(Agricultural)



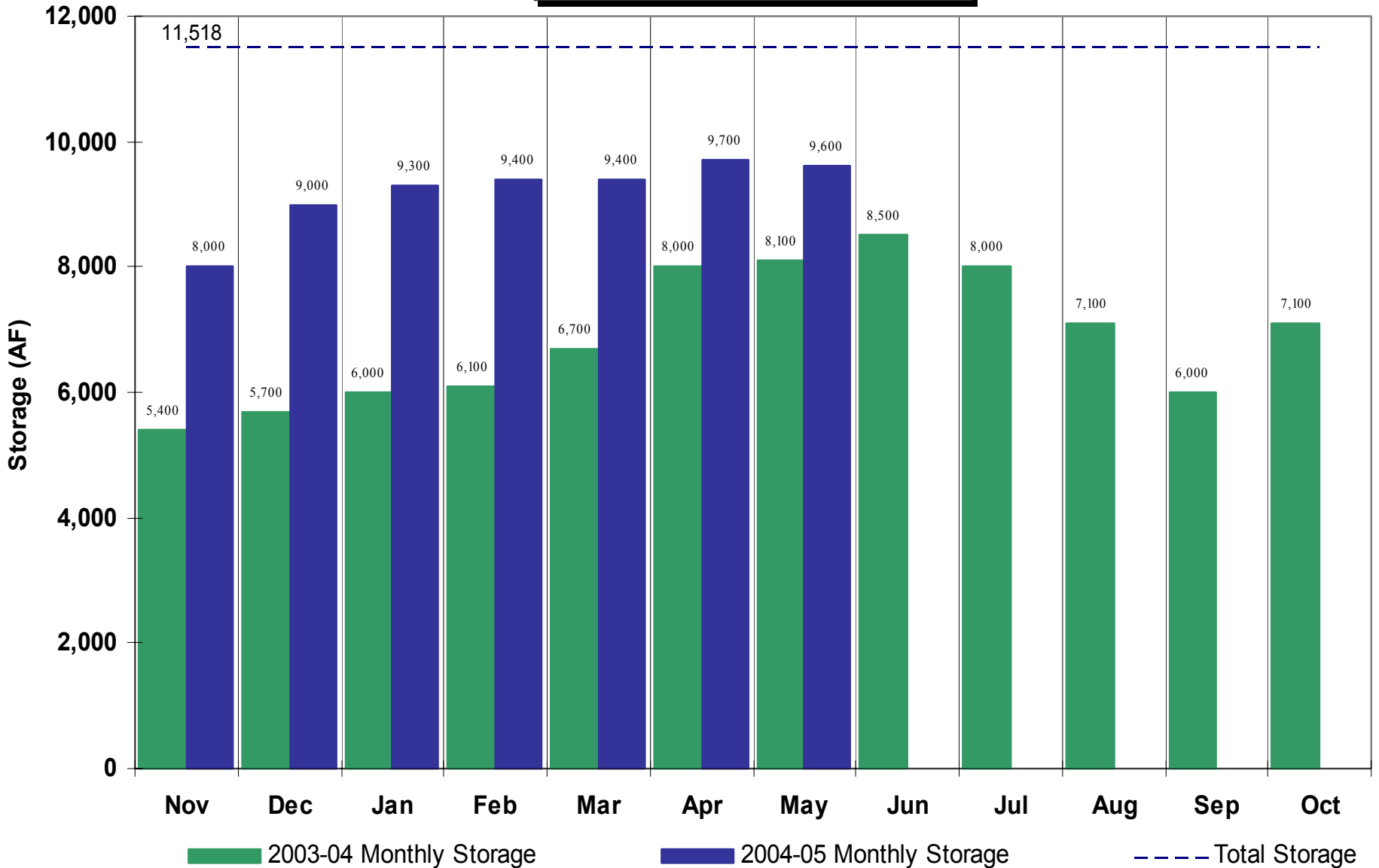
Halligan Reservoir

(Agricultural)



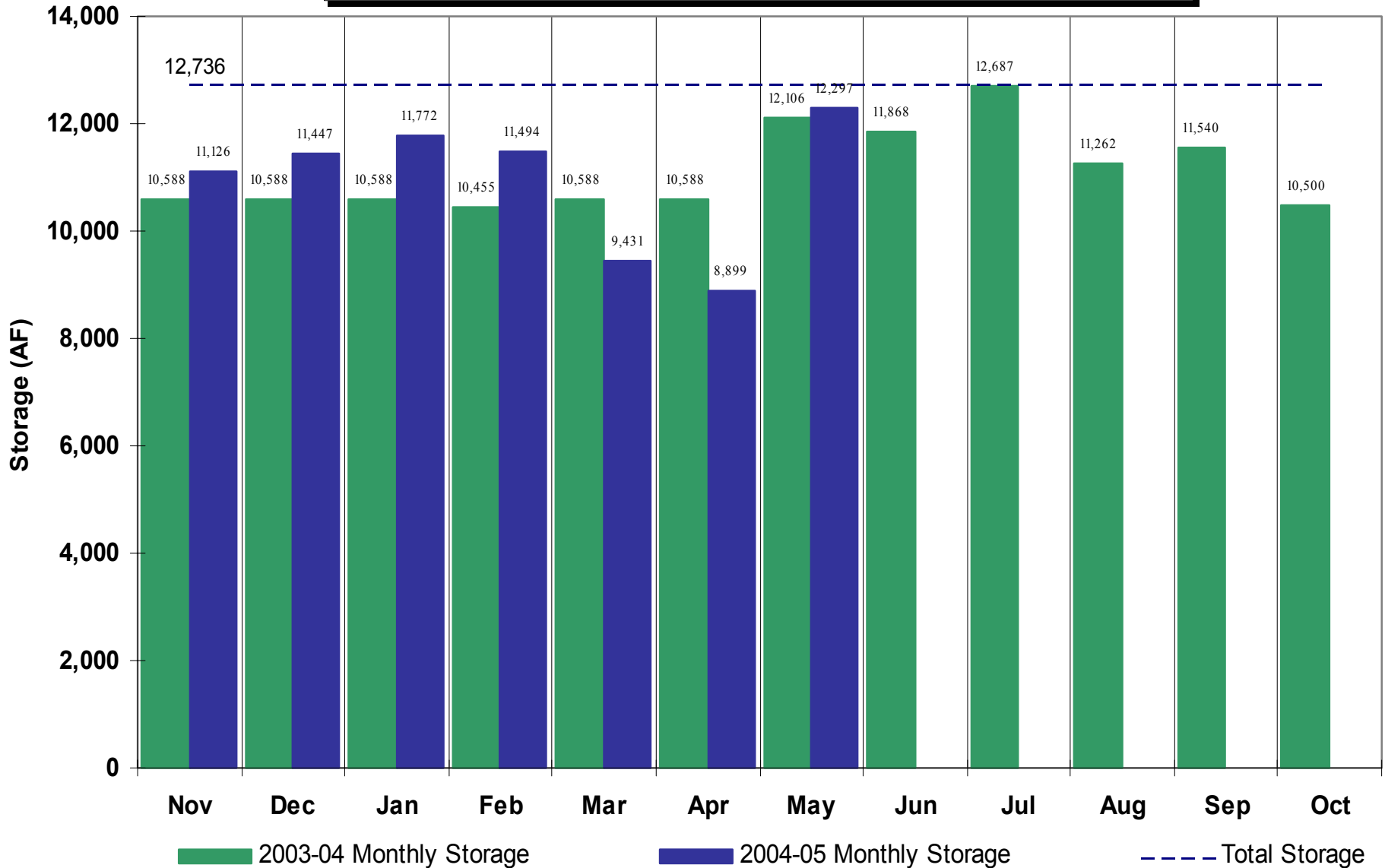
Marshall Lake

(Agricultural)



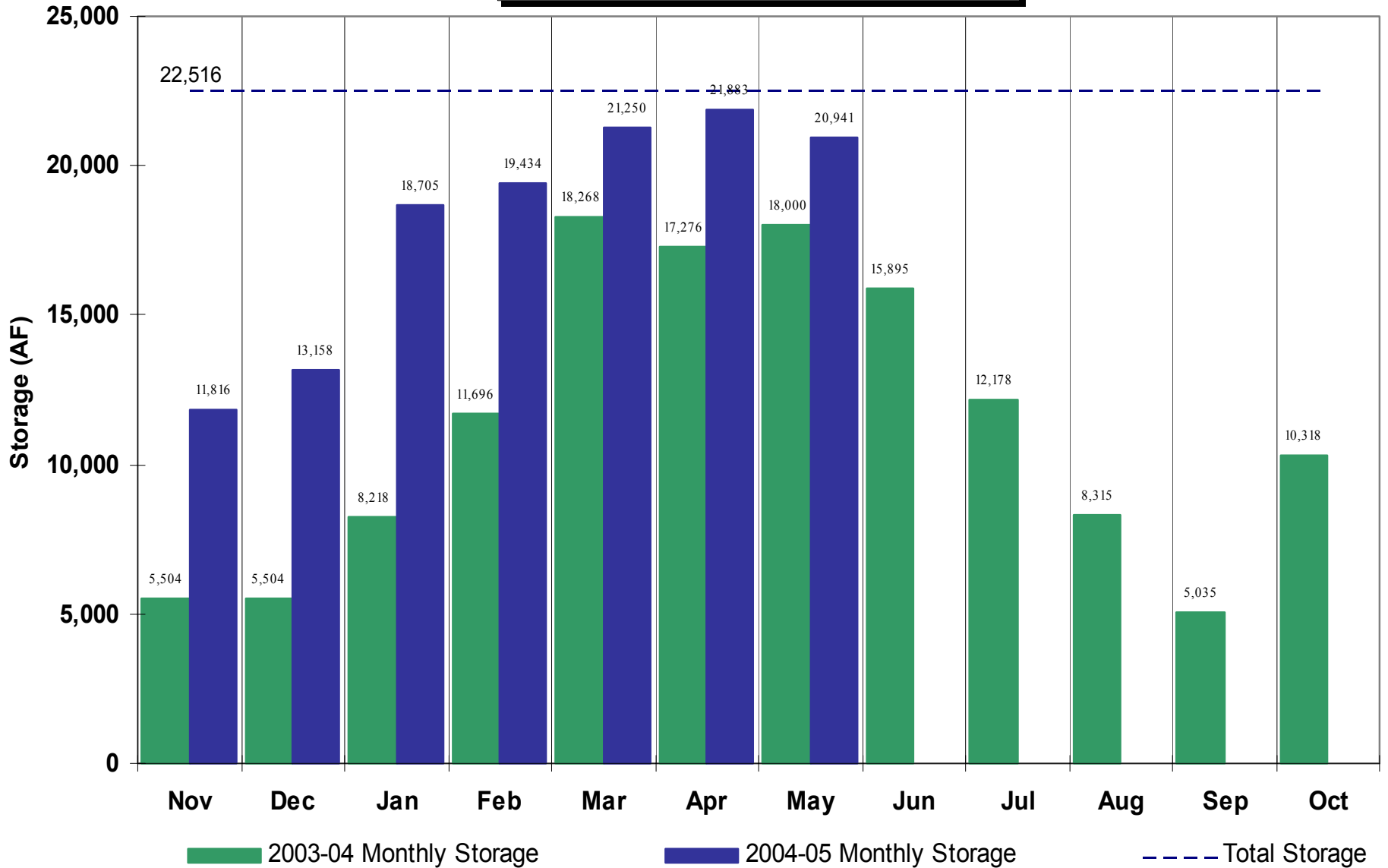
Loveland Greeley Reservoir

(Agricultural)



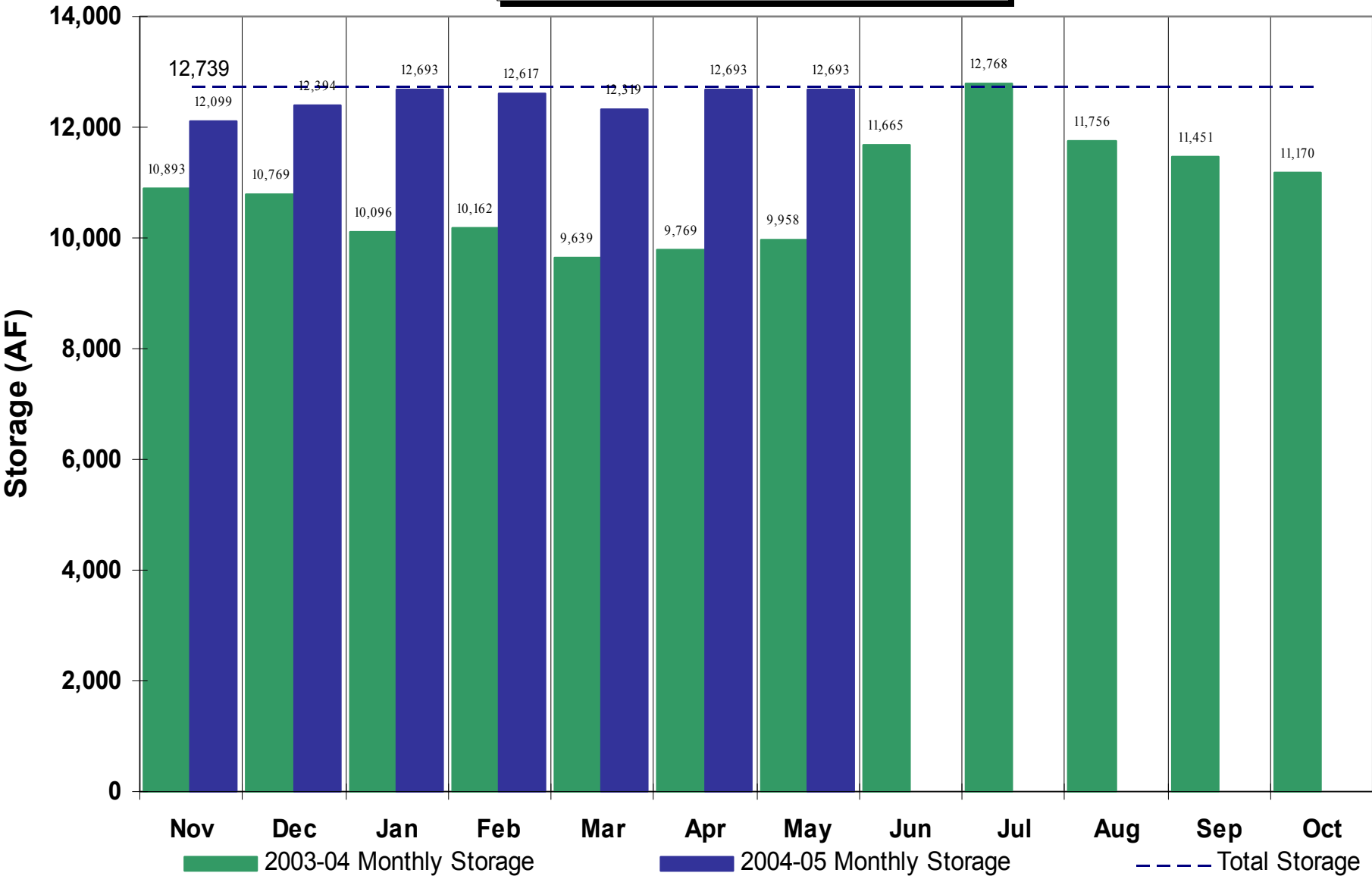
Milton Reservoir

(Agricultural)



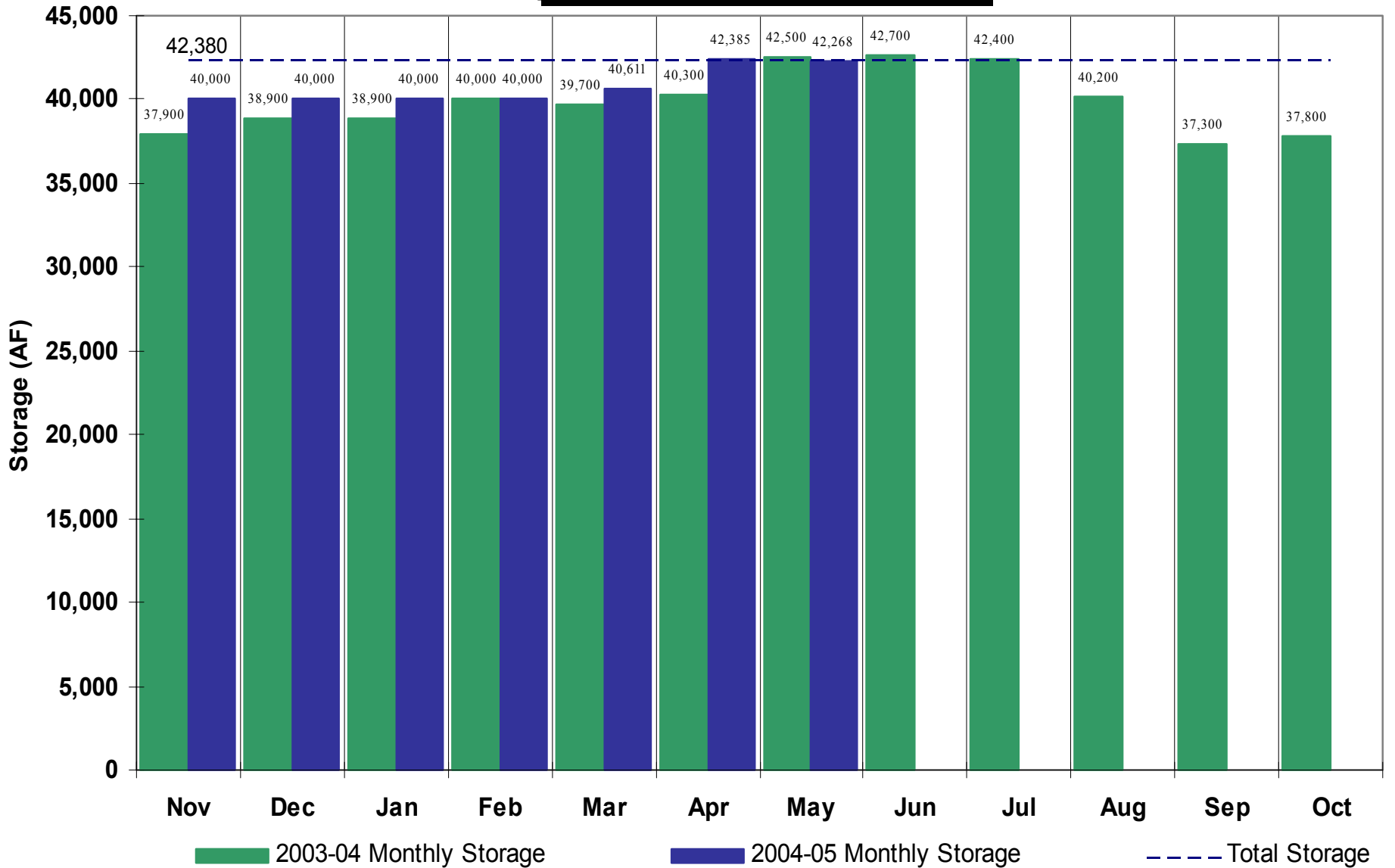
Union Reservoir

(Agricultural)



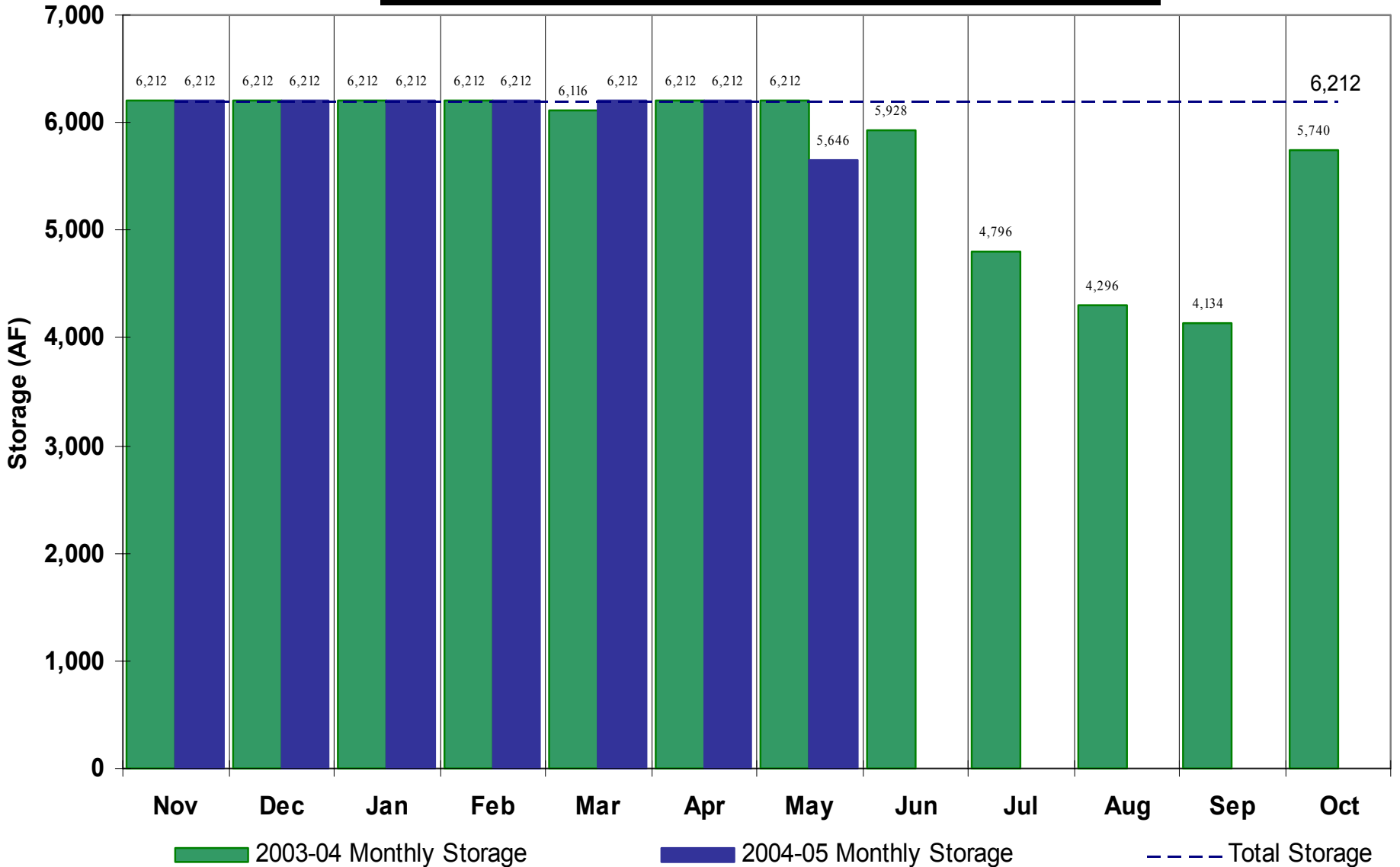
Standley Lake

(Agricultural)



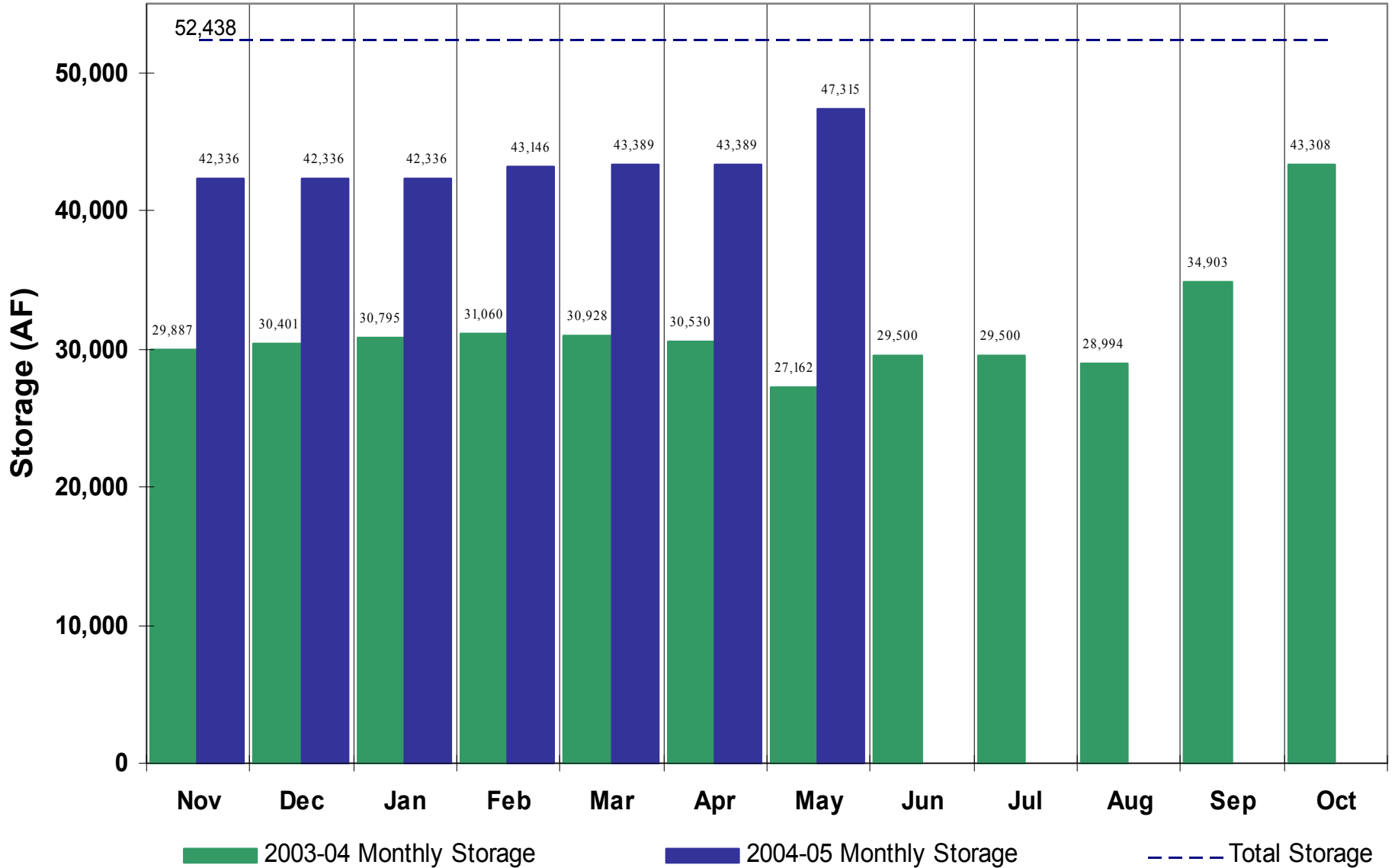
Lower Latham Reservoir

(Agricultural)



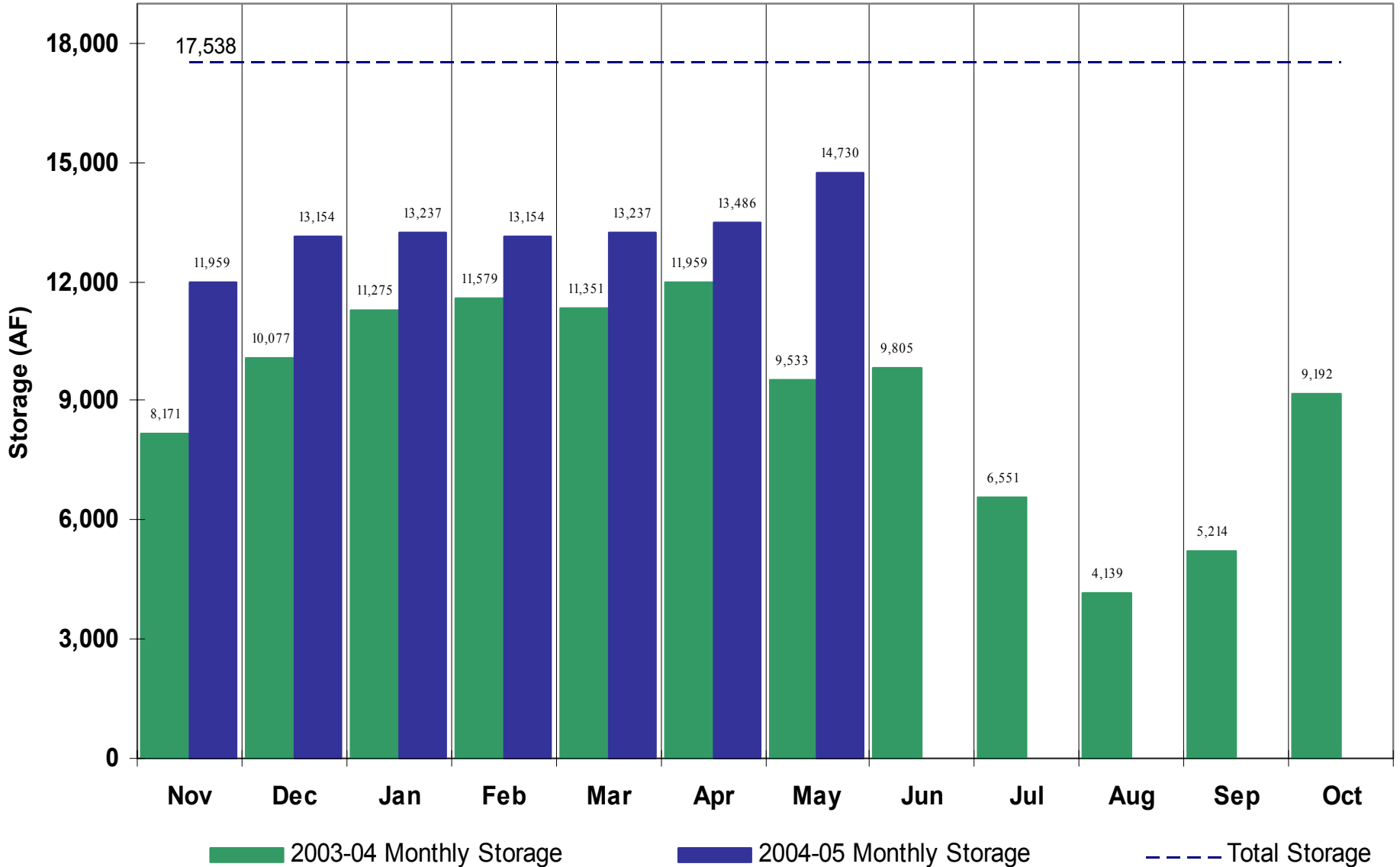
Boyd Lake

(Agricultural)



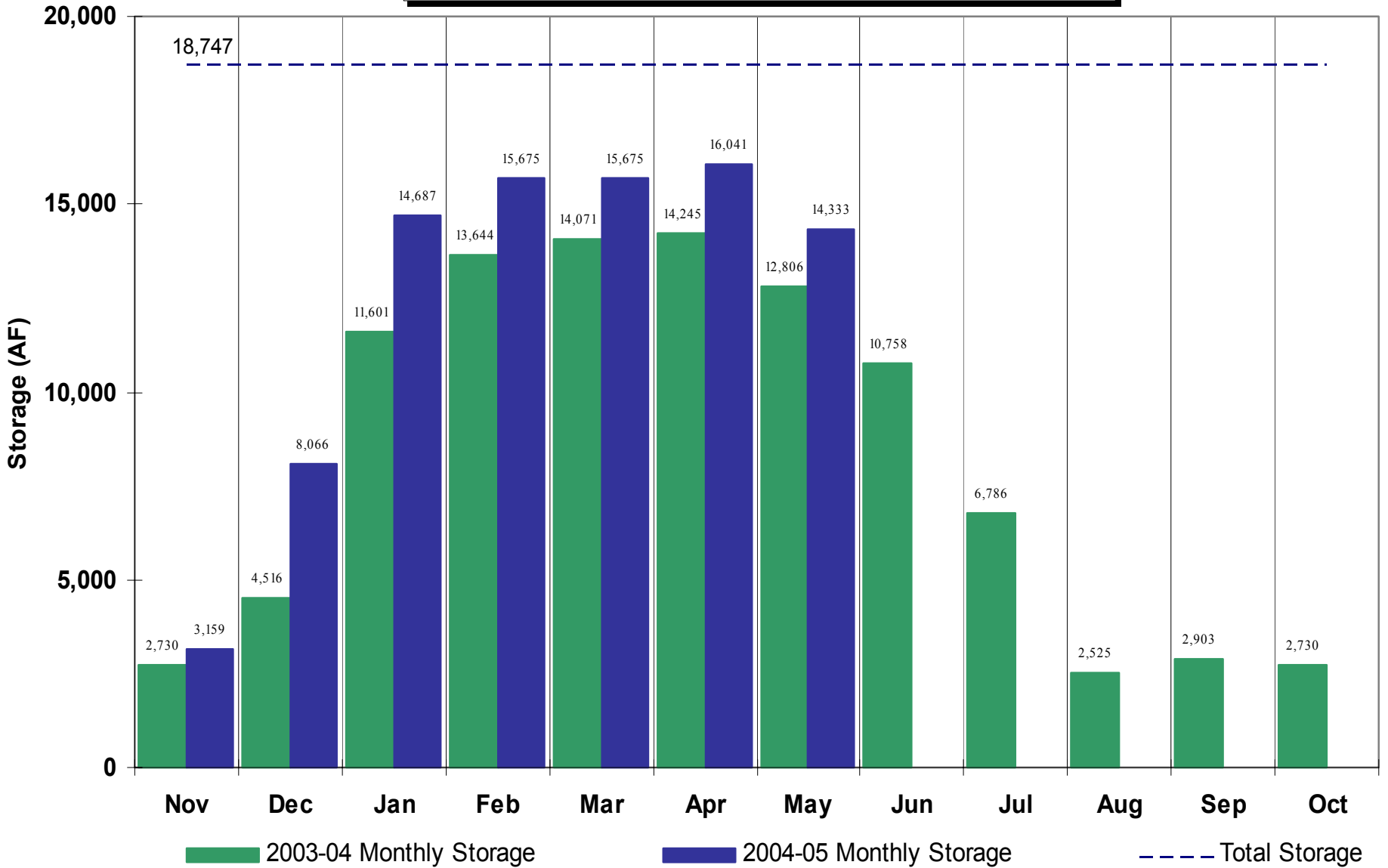
Windsor Reservoir

(Agricultural)



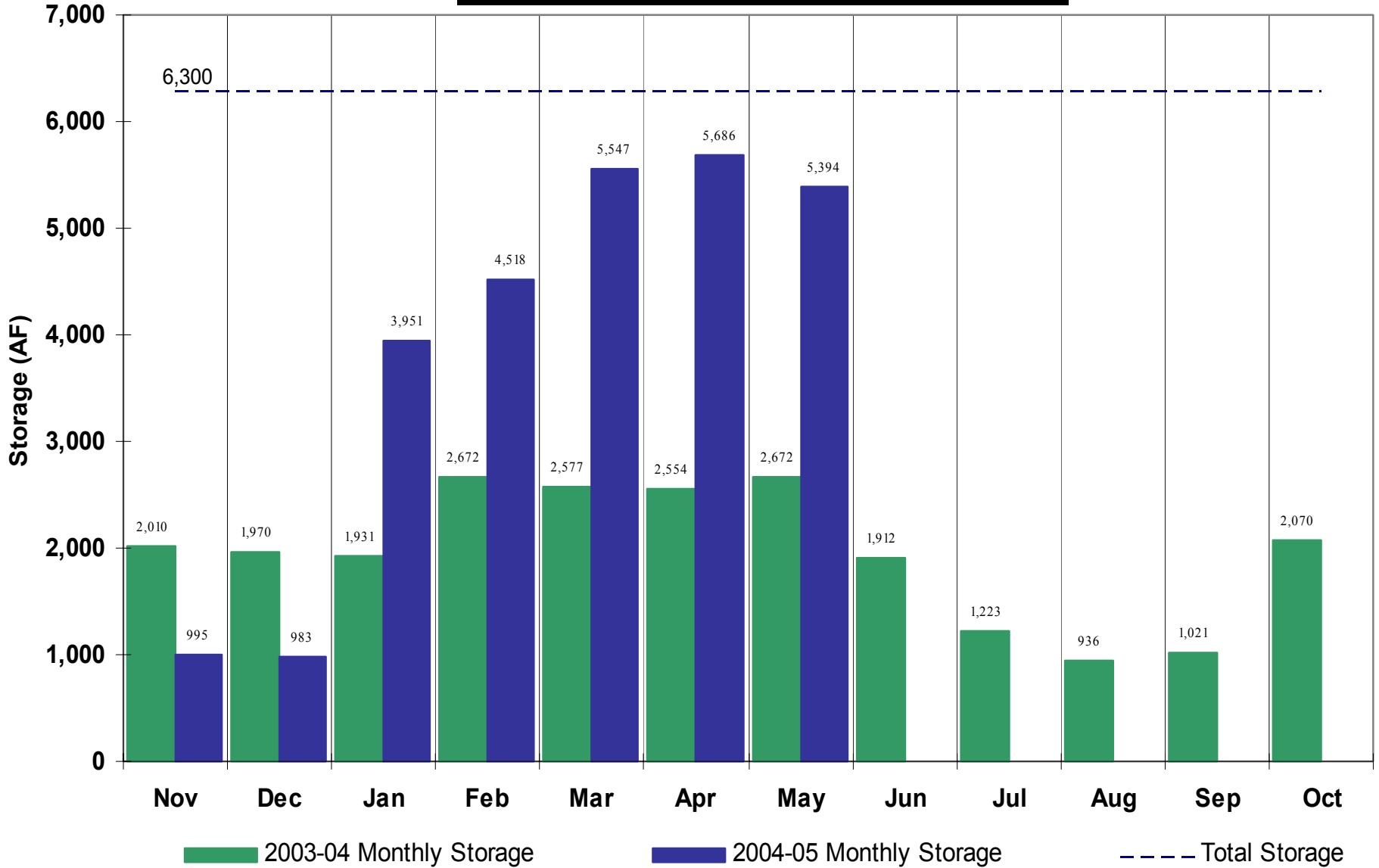
Horse Creek Reservoir

(Agricultural)



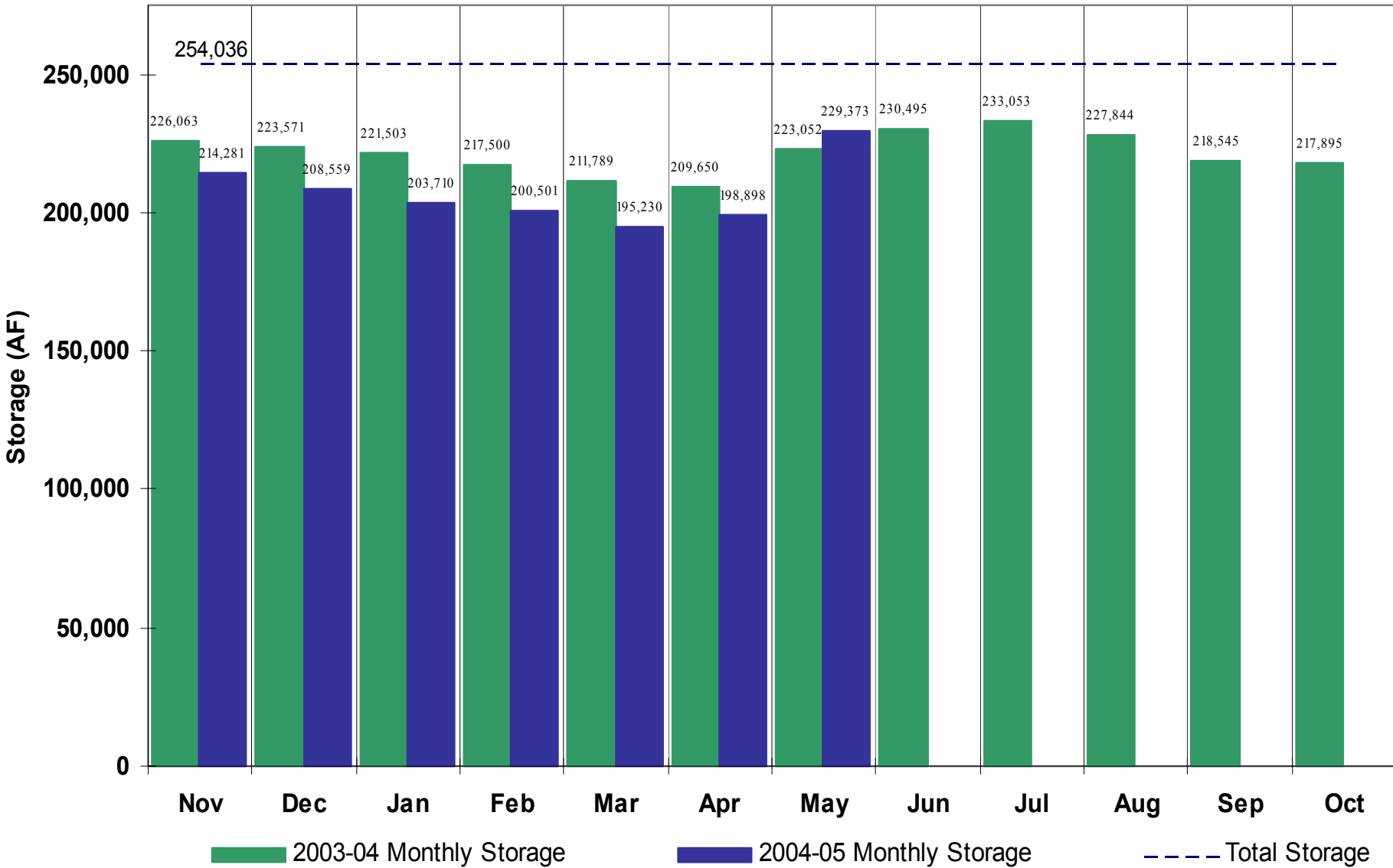
Prospect Reservoir

(Agricultural)



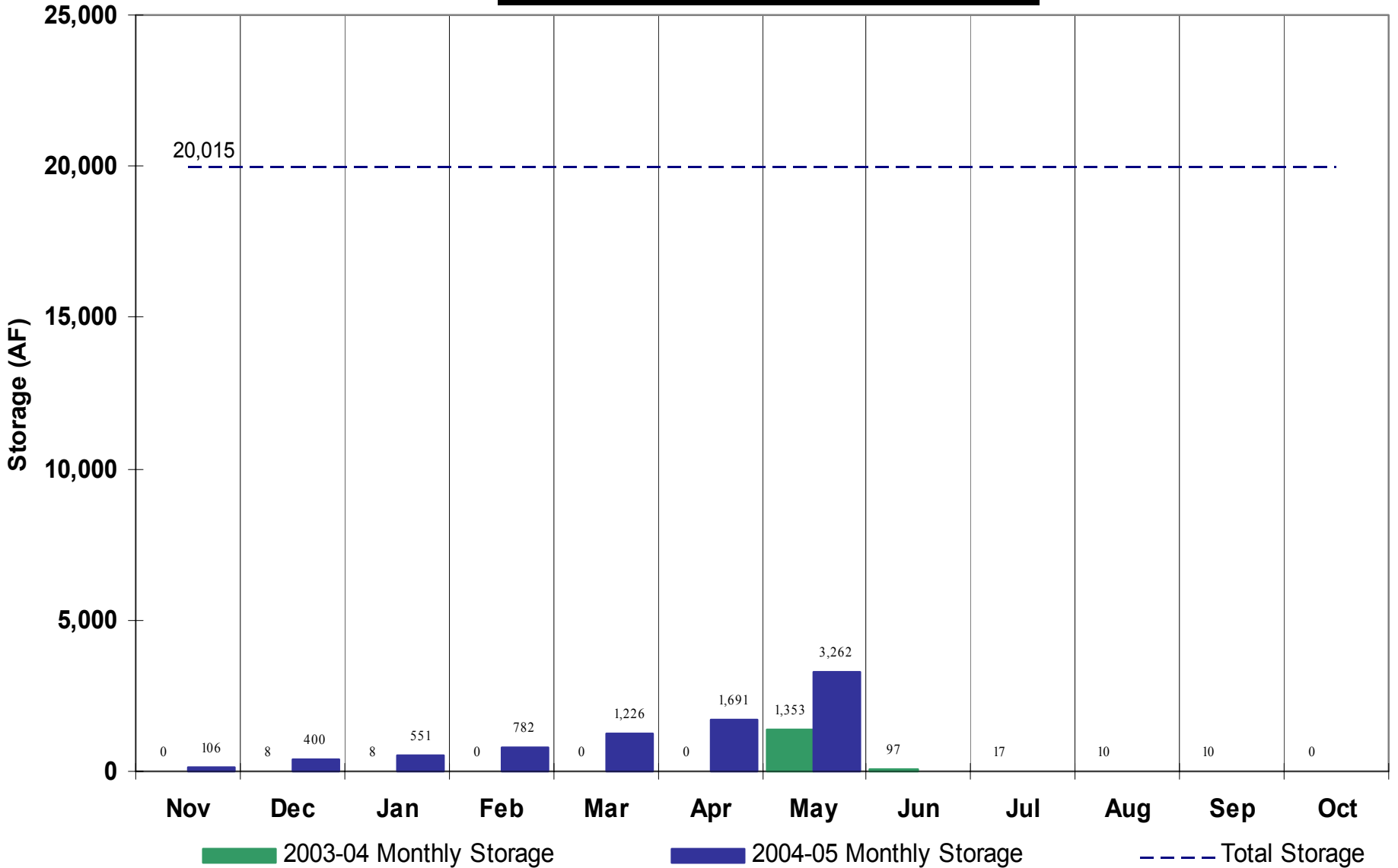
Dillon Reservoir

(Municipal)



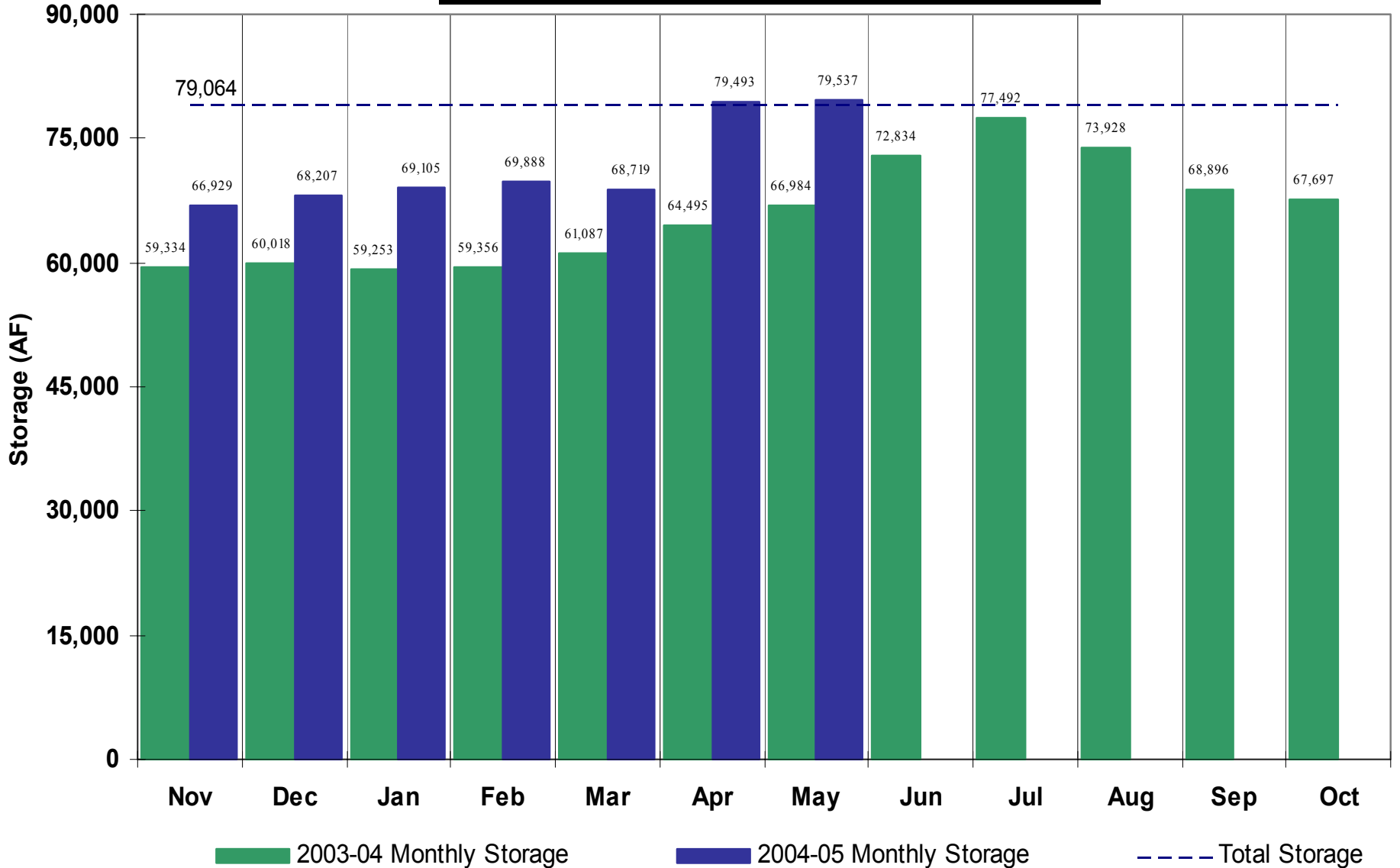
Antero Reservoir

(Municipal)



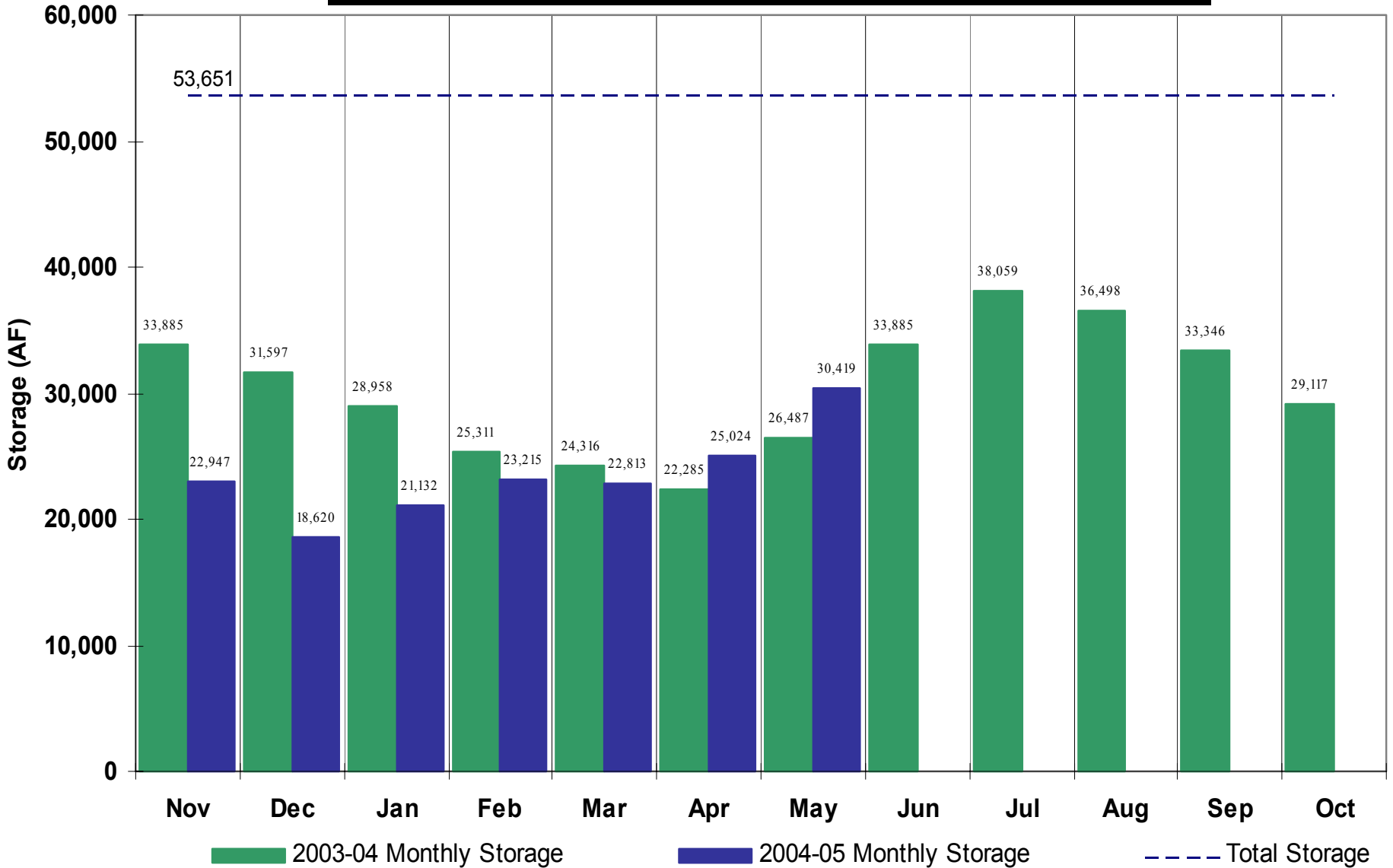
Cheesman Reservoir

(Municipal)



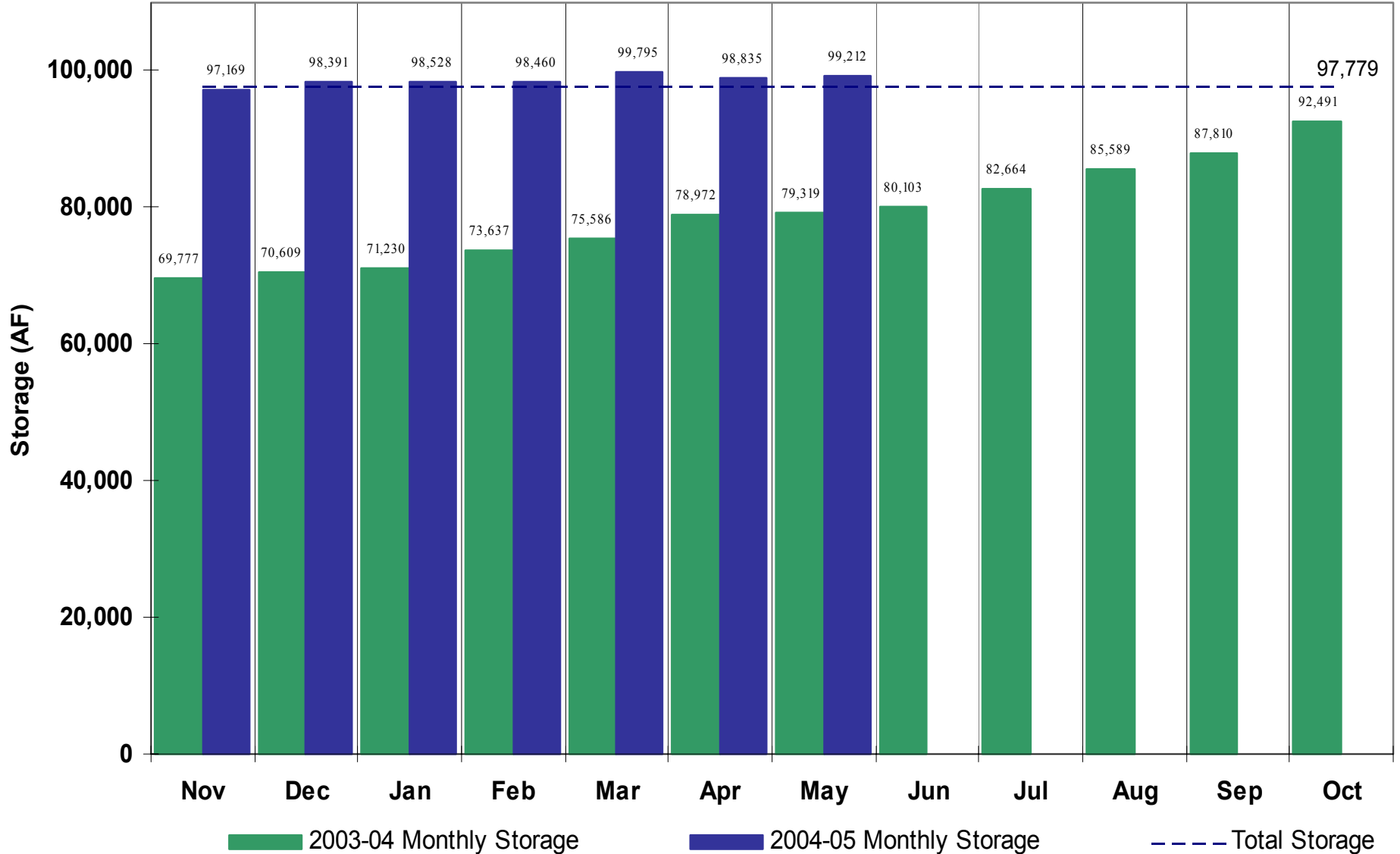
Spinney Mountain Reservoir

(Municipal)

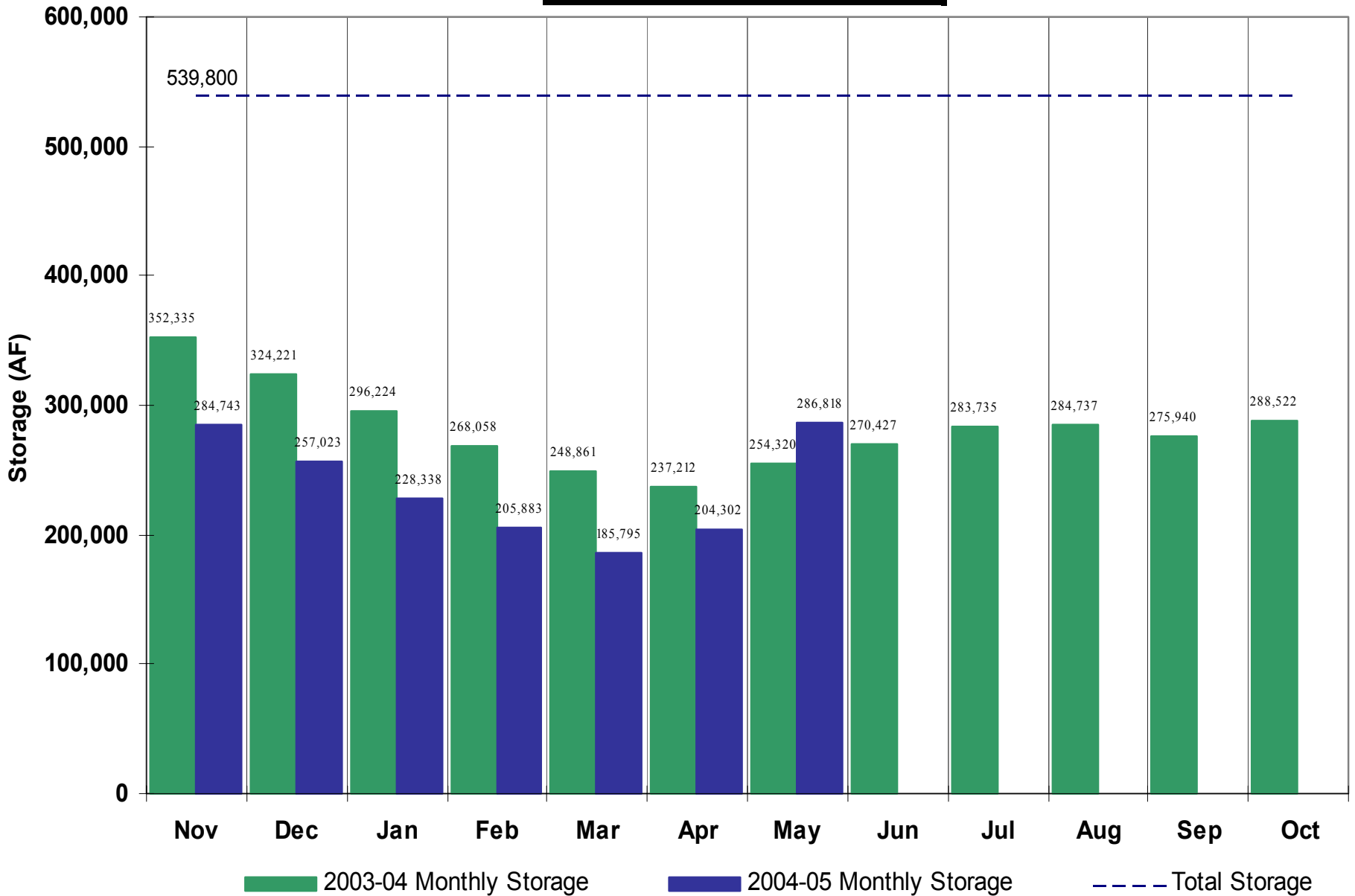


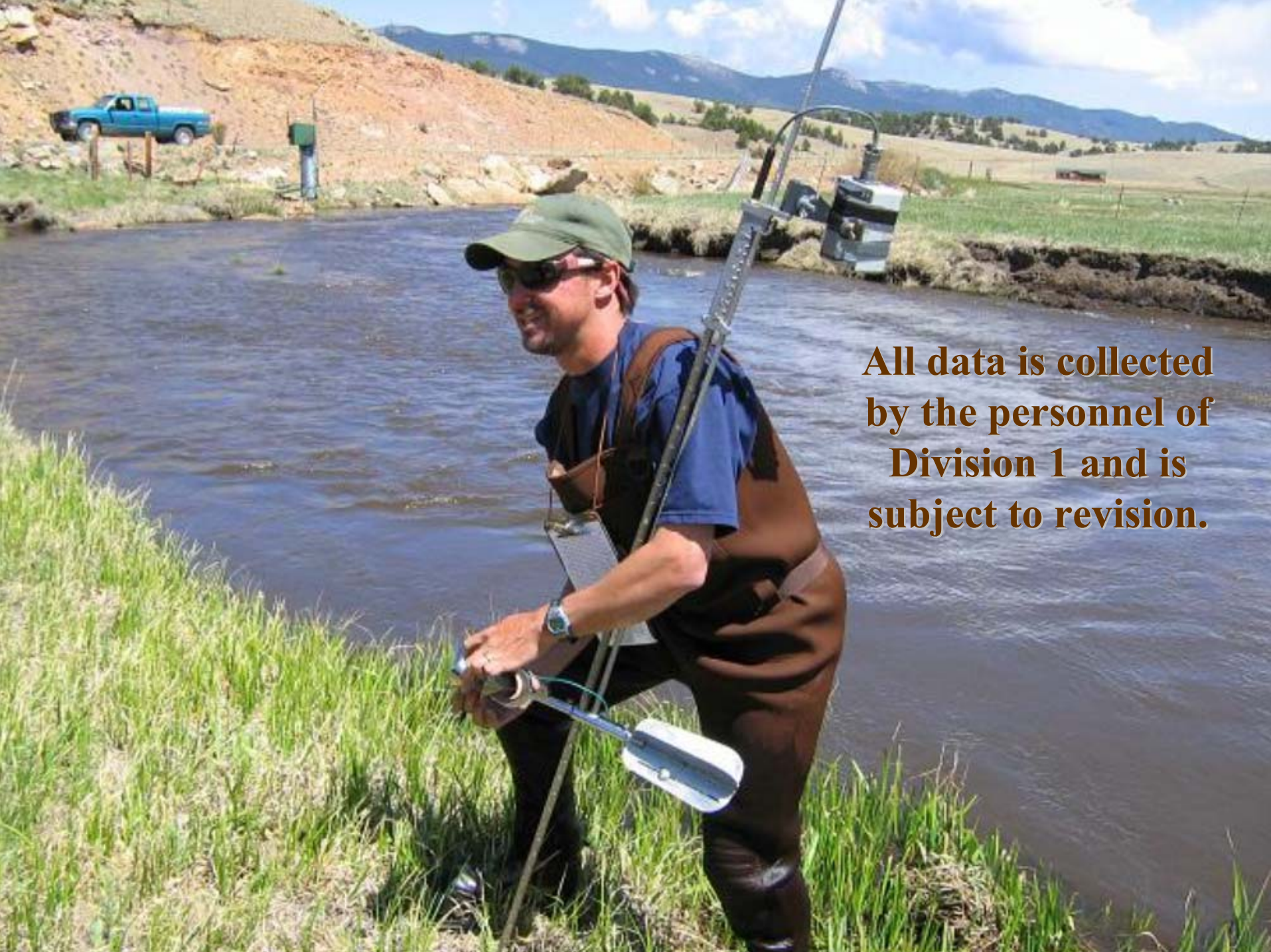
Eleven Mile Reservoir

(Municipal)



Lake Granby





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