

South Platte Summary

April 2005

near Berthoud Falls
(photo by Jana Ash)

By Claudia Engelmann
Colorado Division of Water Resources

*In Loving
Memory
of our
Dear
Friend*



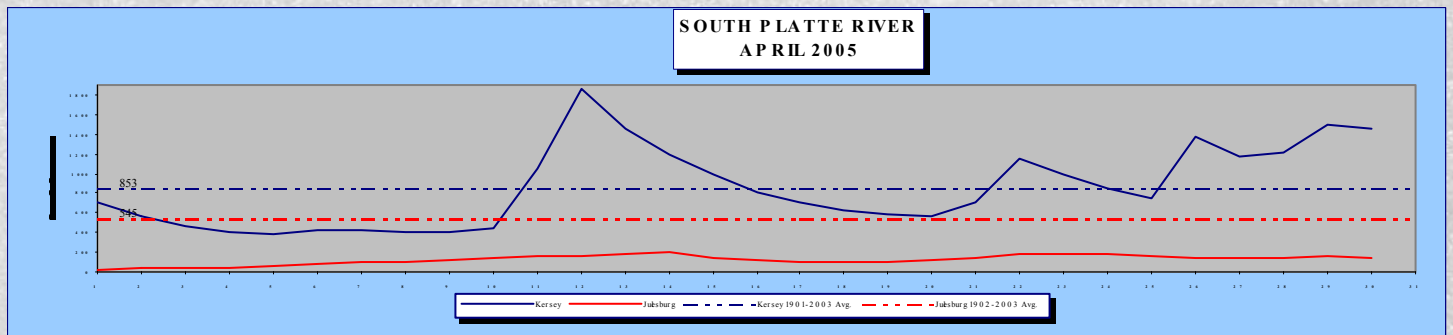
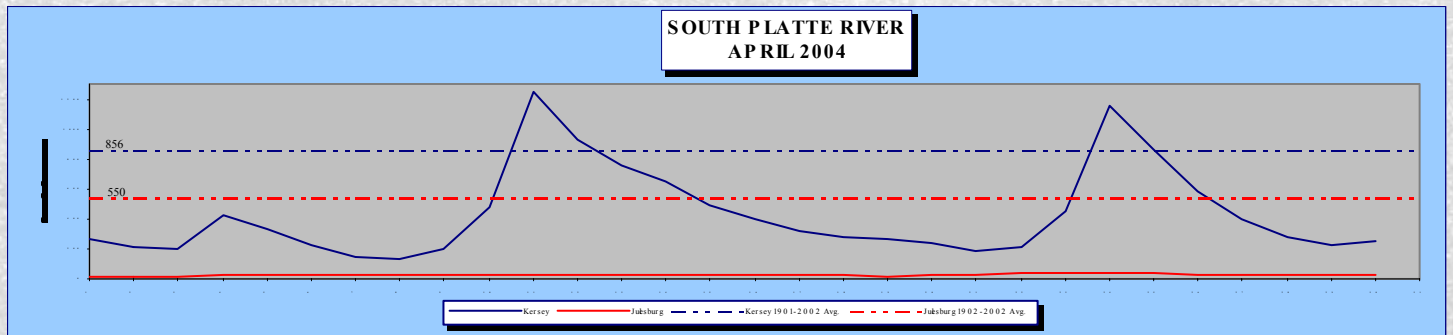
Rich Cooper
April 24, 1947 – April 25, 2005

COLORADO DIVISION OF WATER RESOURCES, DIVISION 1

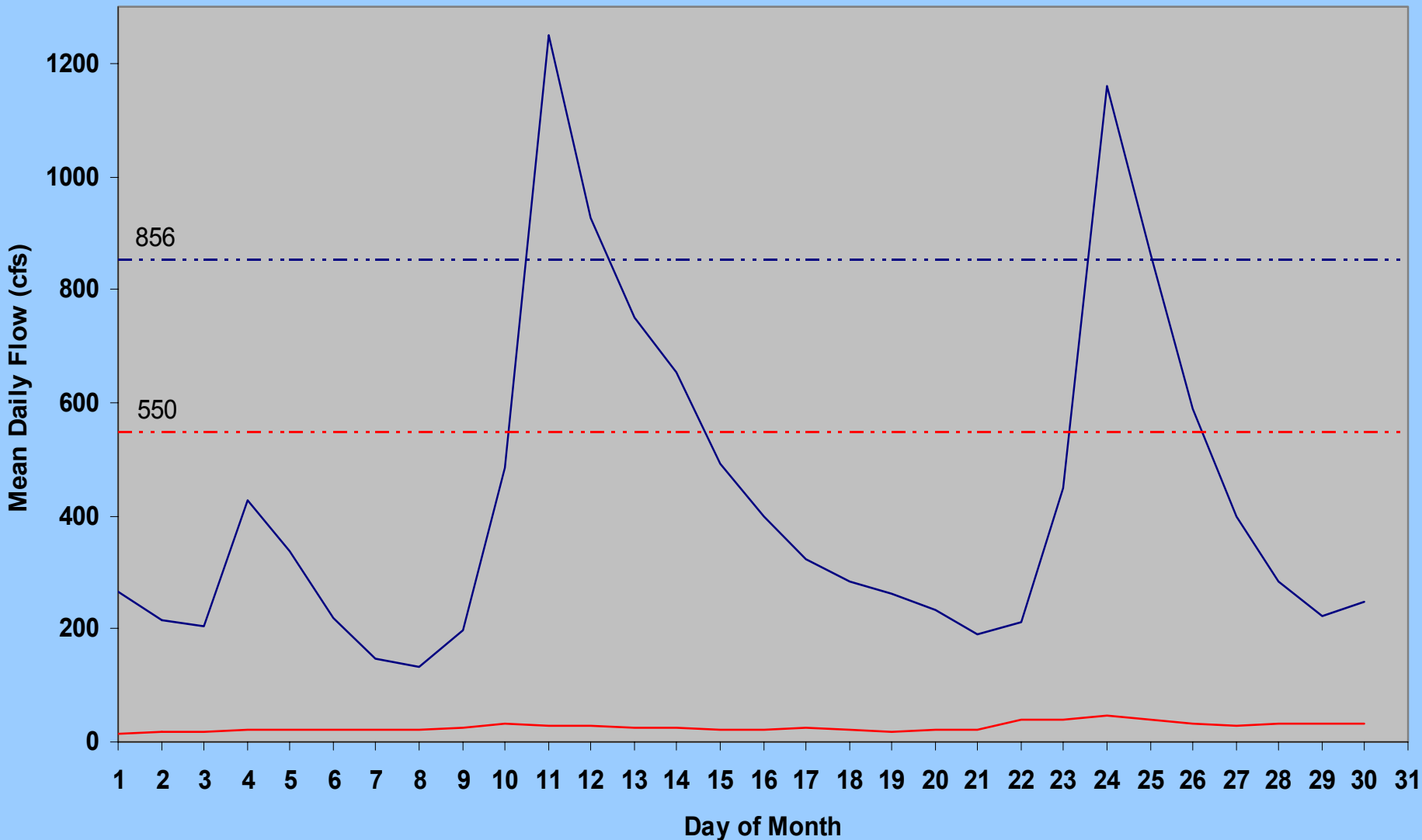
MONTH OF APRIL 2005

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	22,591	22,961	64	370	2%	100%	96%	295
N STERLING	73,730	74,590	70,040	64	-4,550	-6%	95%	82%	0
PREWITT	28,500	28,600	27,560	64	-1,040	-4%	97%	44%	0
JACKSON	27,257	27,256	26,912	1	-344	-1%	99%	91%	0
EMPIRE	37,700	32,700	34,930	1	2,230	7%	93%	56%	0
RIVERSIDE	63,113	62,923	63,113	1	190	0%	100%	80%	0
BARR LAKE	31,652	30,351	30,351	2	0	0%	96%	62%	0
CHEESMAN	79,064	68,719	79,493	80	10,774	16%	100%	82%	429
ELEVEN MILE	97,779	99,795	98,835	23	-960	-1%	100%	81%	1,056
SPINNEY	53,651	22,813	25,024	23	2,211	10%	47%	42%	0
ANTERO	20,015	1,226	1,691	23	465	38%	8%	0%	0

RIVER GAGES	MEAN DAILY FLOW (CFS)
KERSEY	854
JULESBURG	125
THIS MONTH LAST YEAR	
KERSEY	427
JULESBURG	26
MEAN FOR PERIOD OF RECORD*	
KERSEY	853
JULESBURG	545
* 1901-2003	
1902-2003	

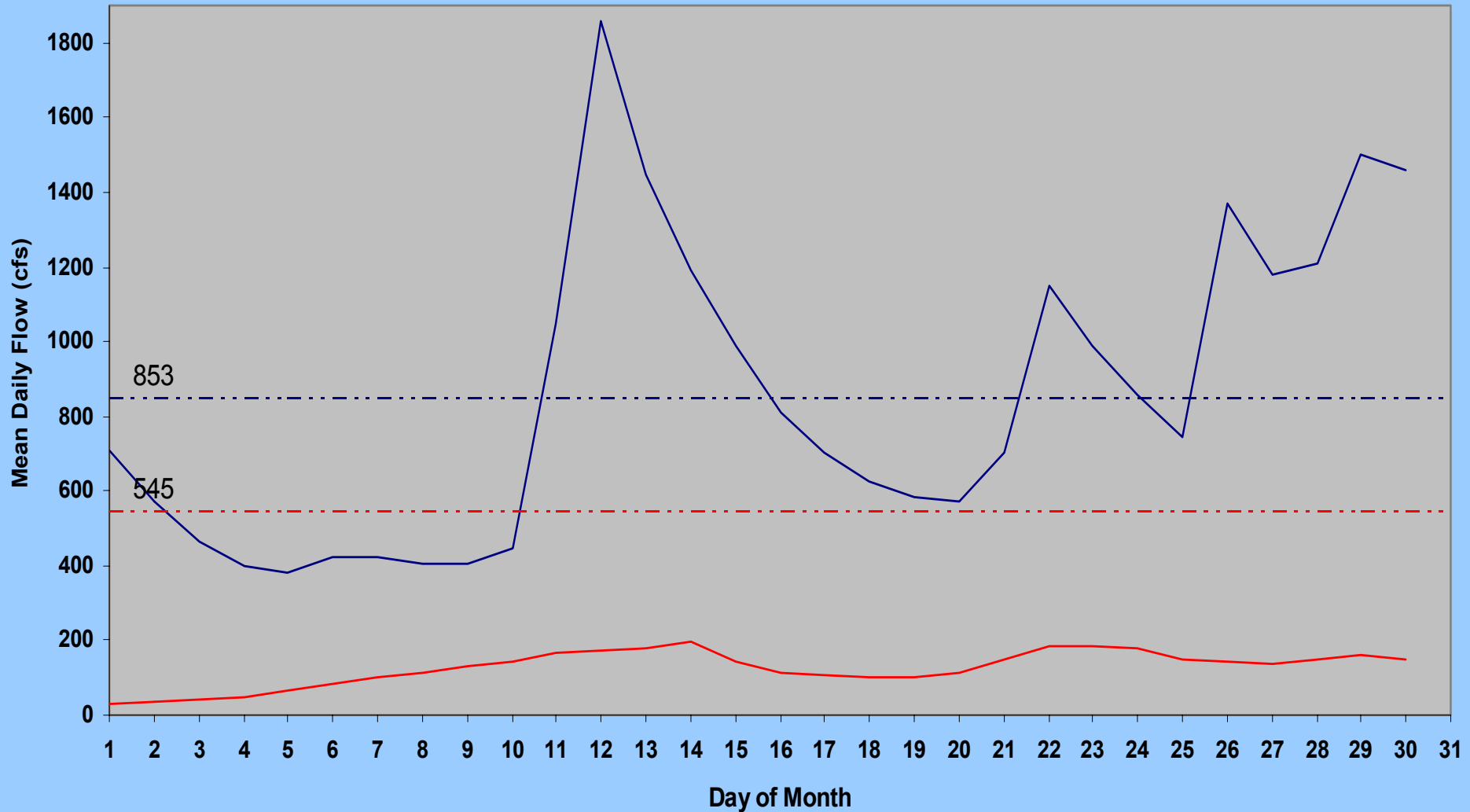


SOUTH PLATTE RIVER APRIL 2004



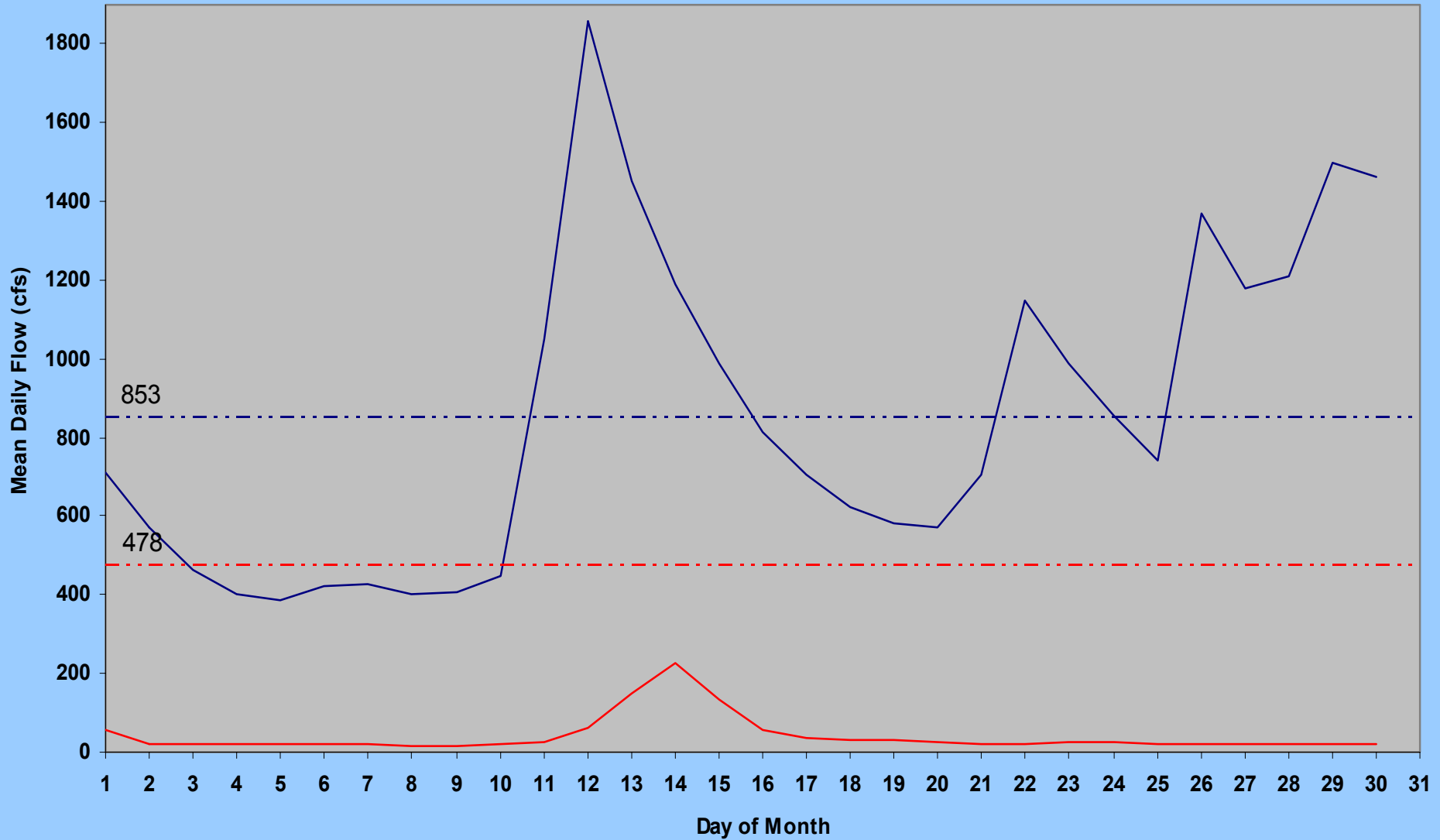
— Kersey — Julesburg - - - Kersey 1901-2002 Avg. - - - Julesburg 1902-2002 Avg.

SOUTH PLATTE RIVER APRIL 2005



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

KERSEY and BALZAC APRIL 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			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		

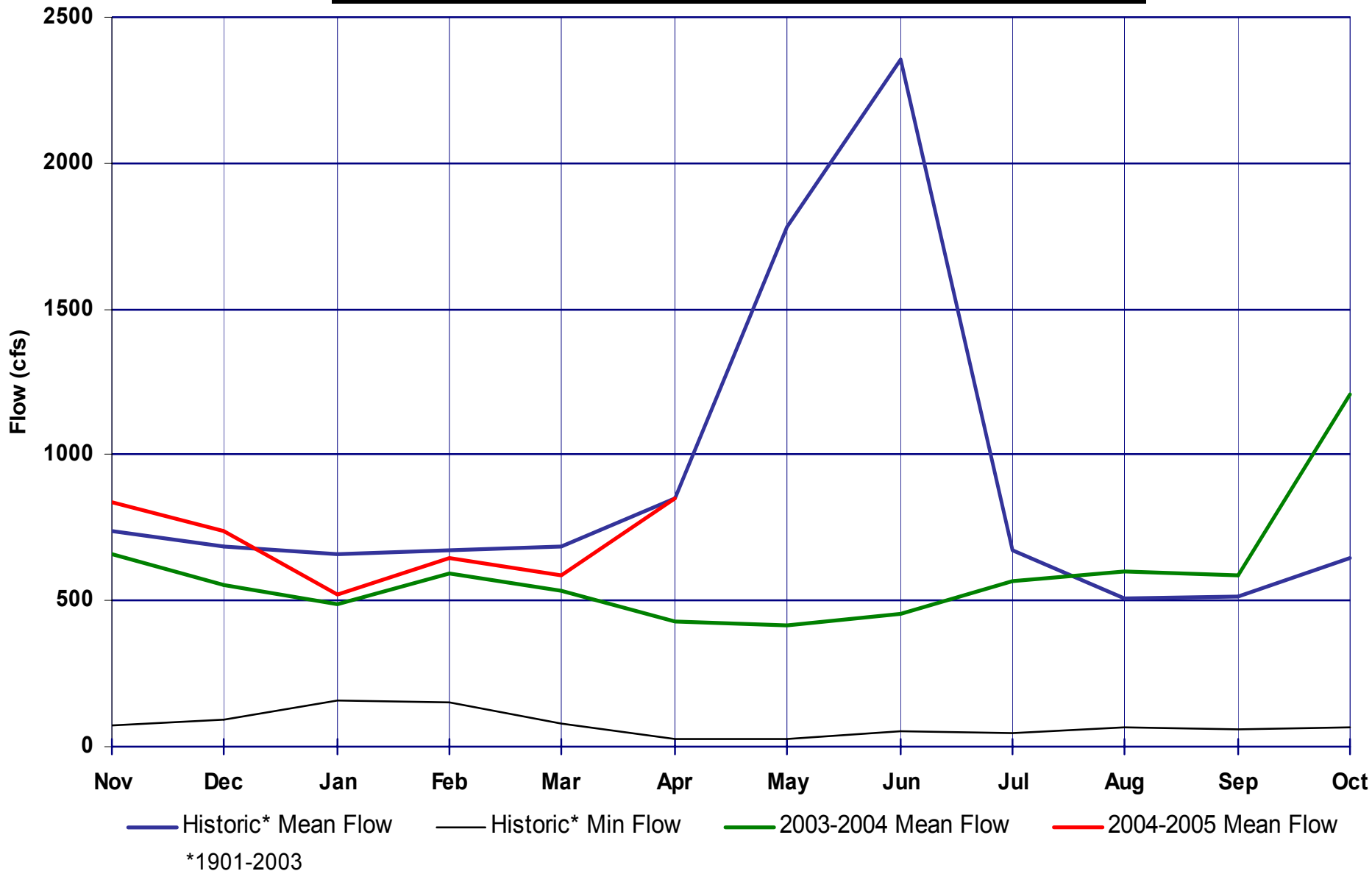
*Period of record 1901-2003

*Period of record 1902-2003

Bear Creek Gage
(photo by Mark Trivisonno)

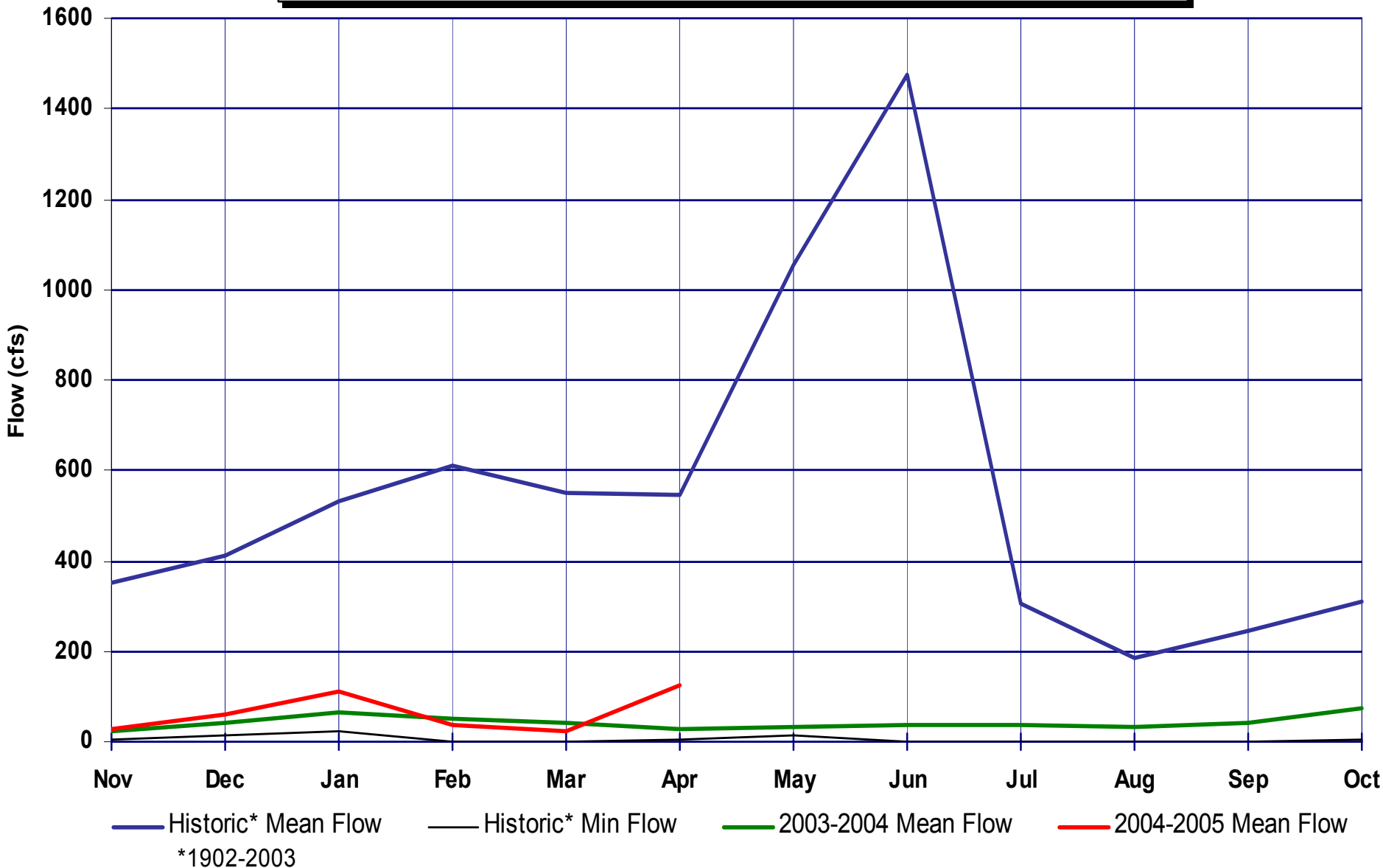
South Platte River at Kersey

Irrigation Water Year



South Platte River at Julesburg

Irrigation Water Year



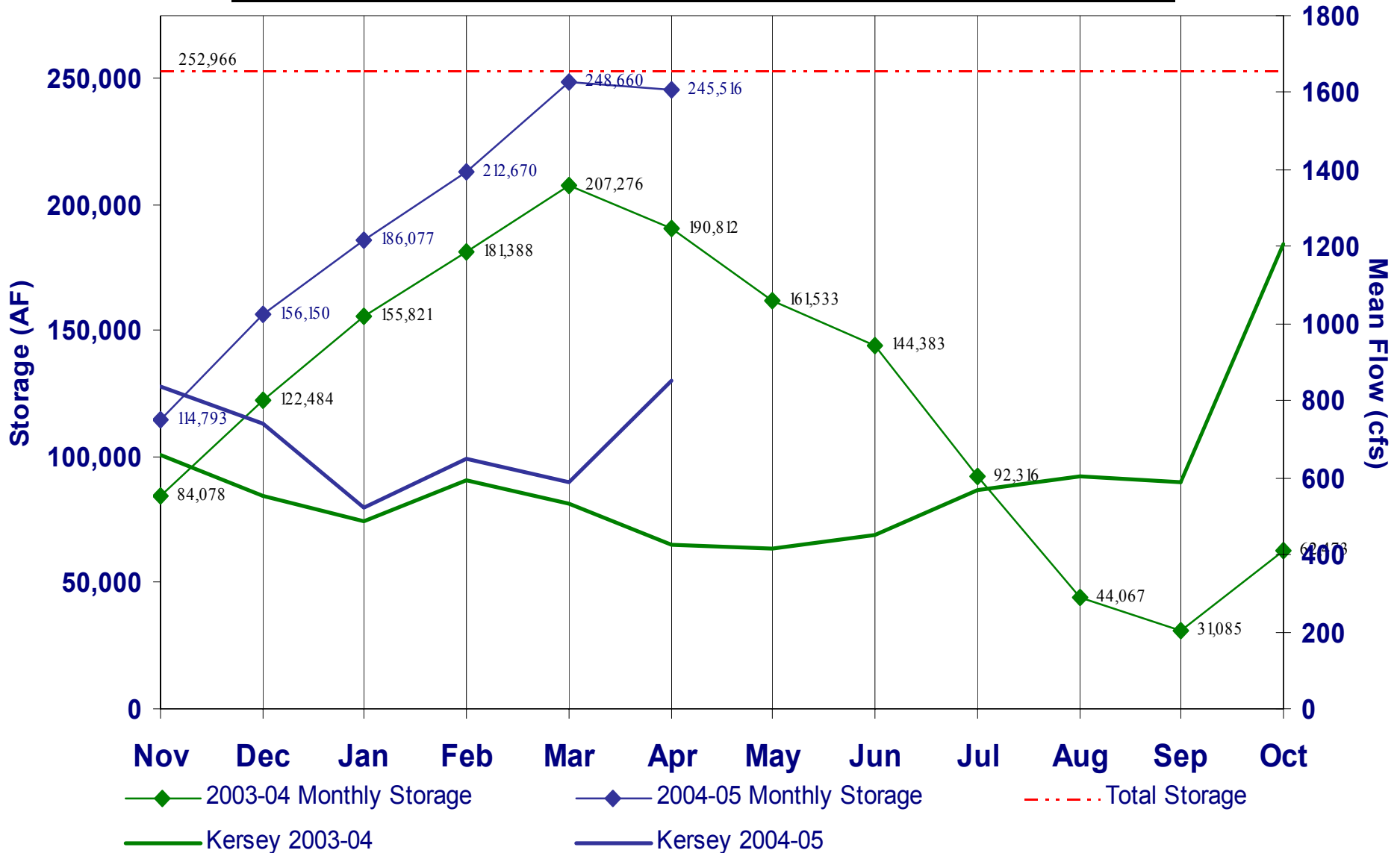
Next four slides show Reservoir Storage below and above Kersey



Perry Pit Slurry Wall Construction
(photo by Mike Bender)

Reservoir Storage below Kersey

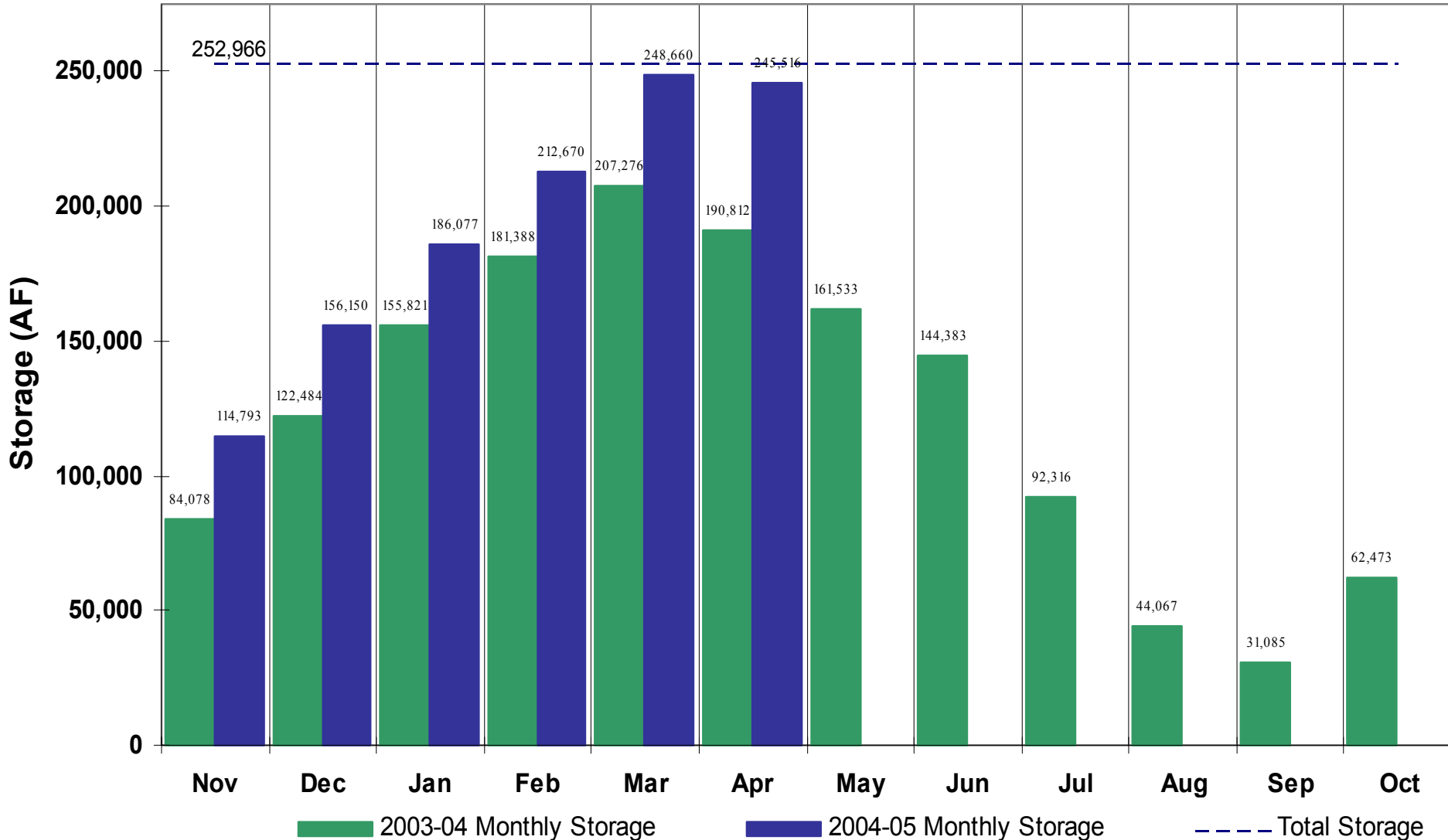
Selected Reservoirs*



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

South Platte Reservoirs

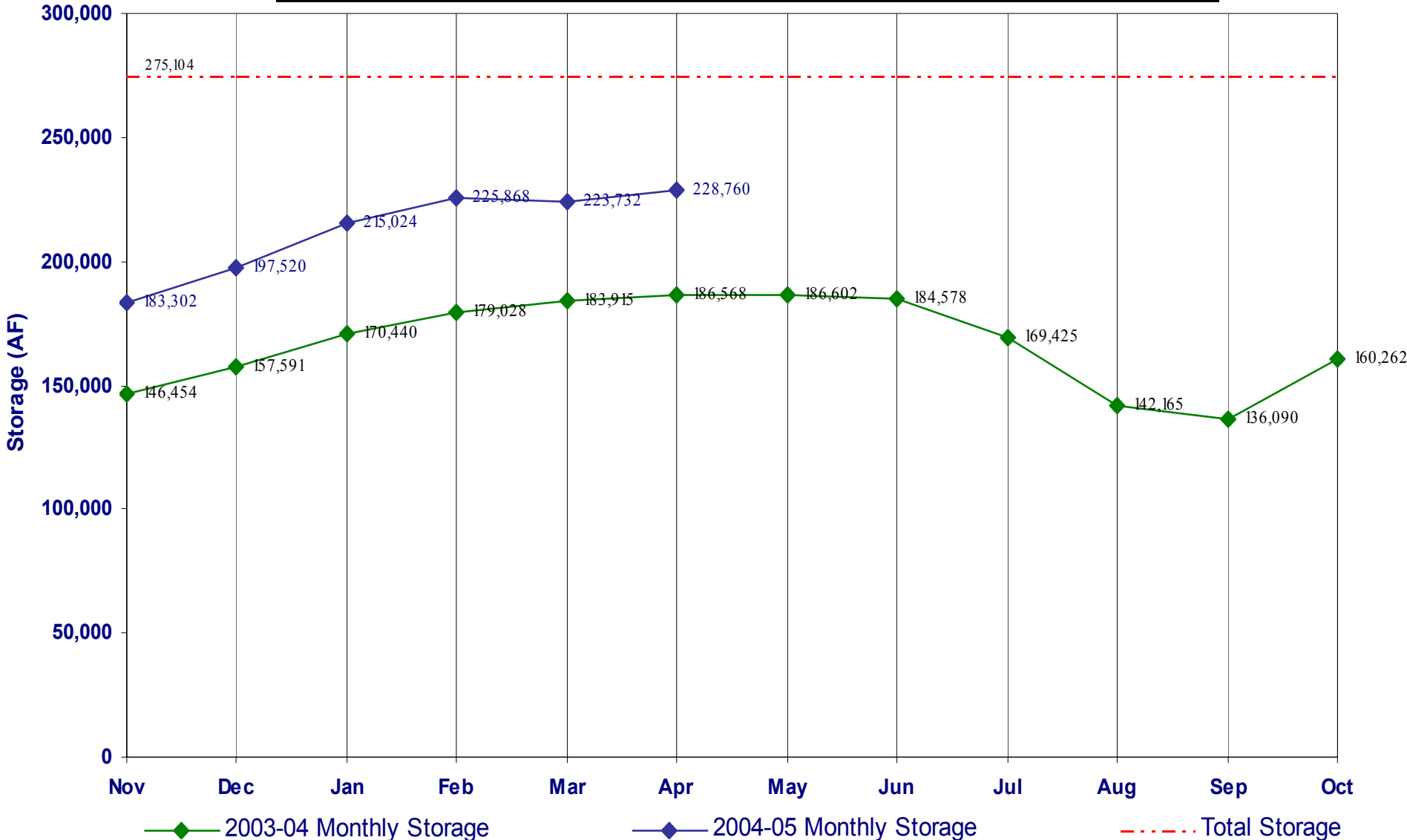
Storage below Kersey*



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

Reservoir Storage above Kersey

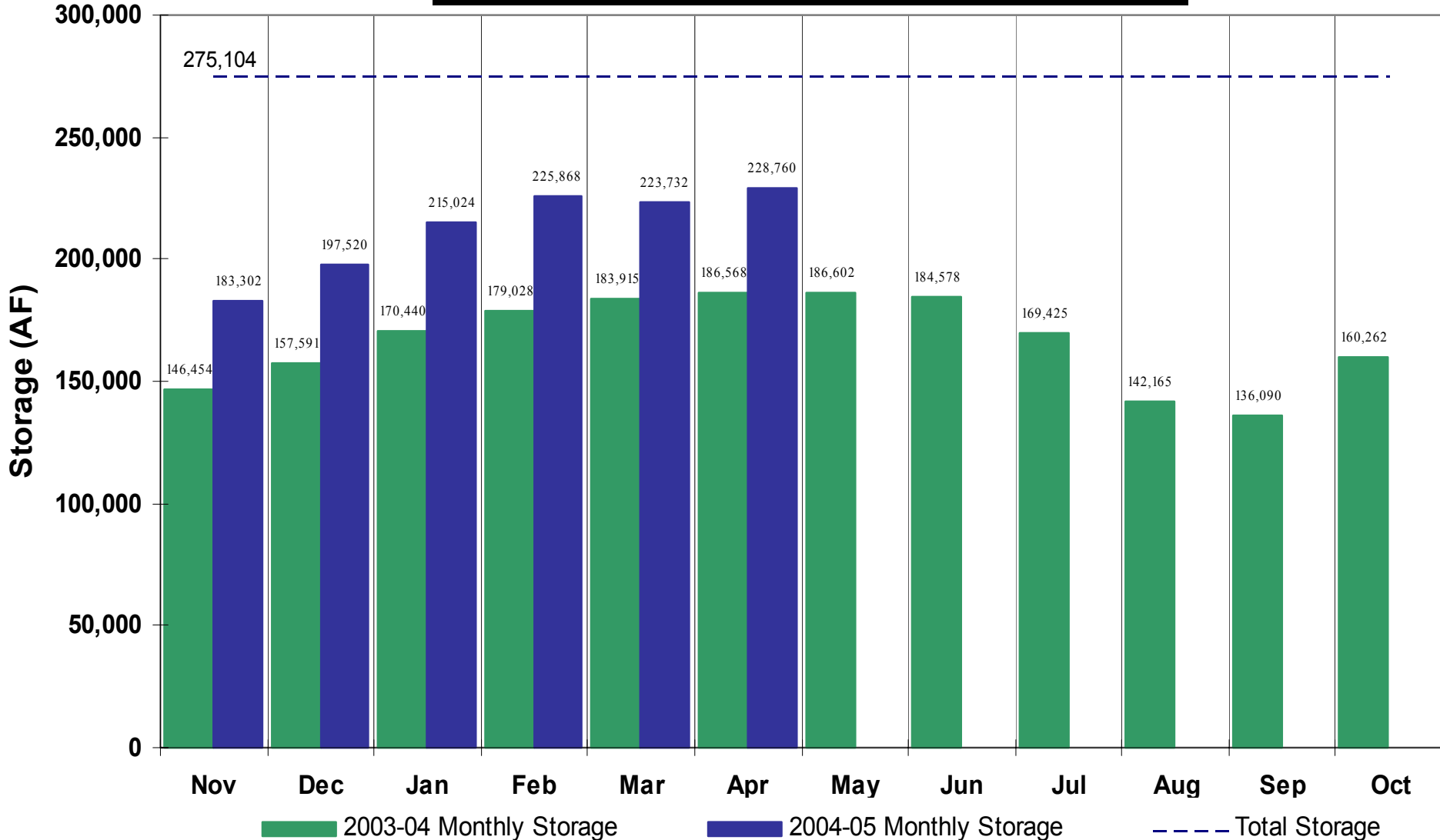
Selected Reservoirs*



*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

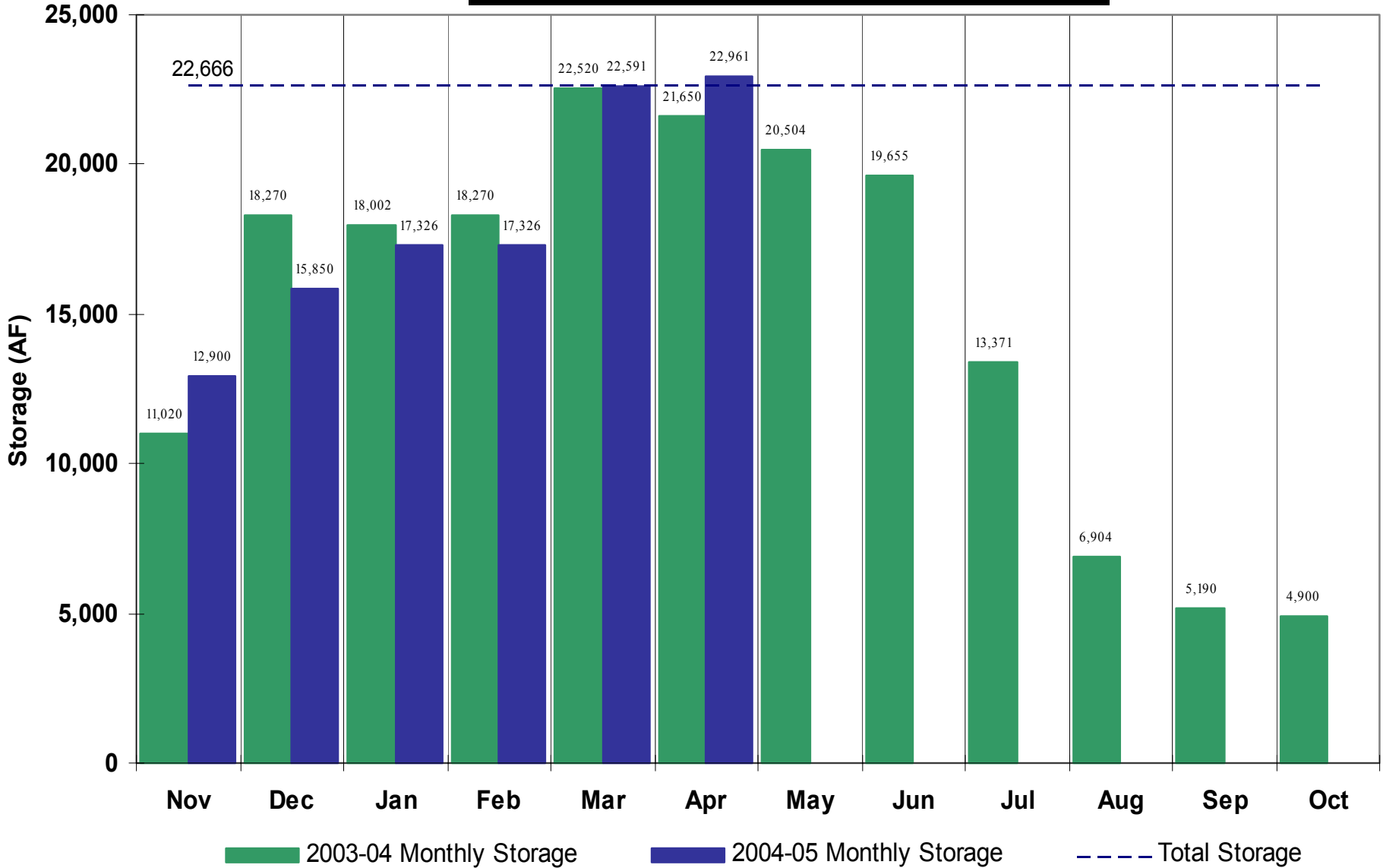


**Northern Leopard Frog
at Indian Creek near Sedalia**

(photo by Mark Trivisonno)

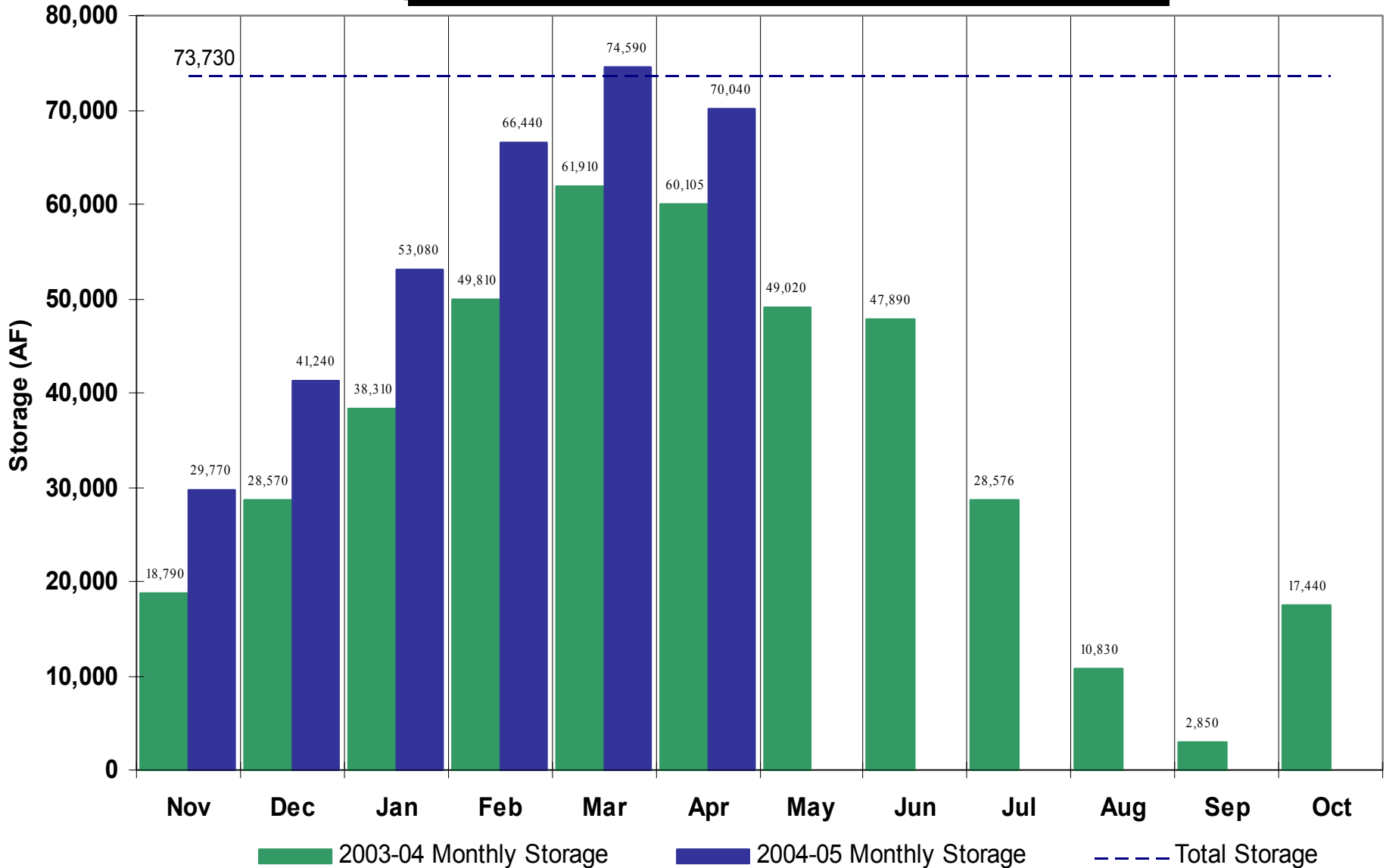
Julesburg Reservoir

(Agricultural)

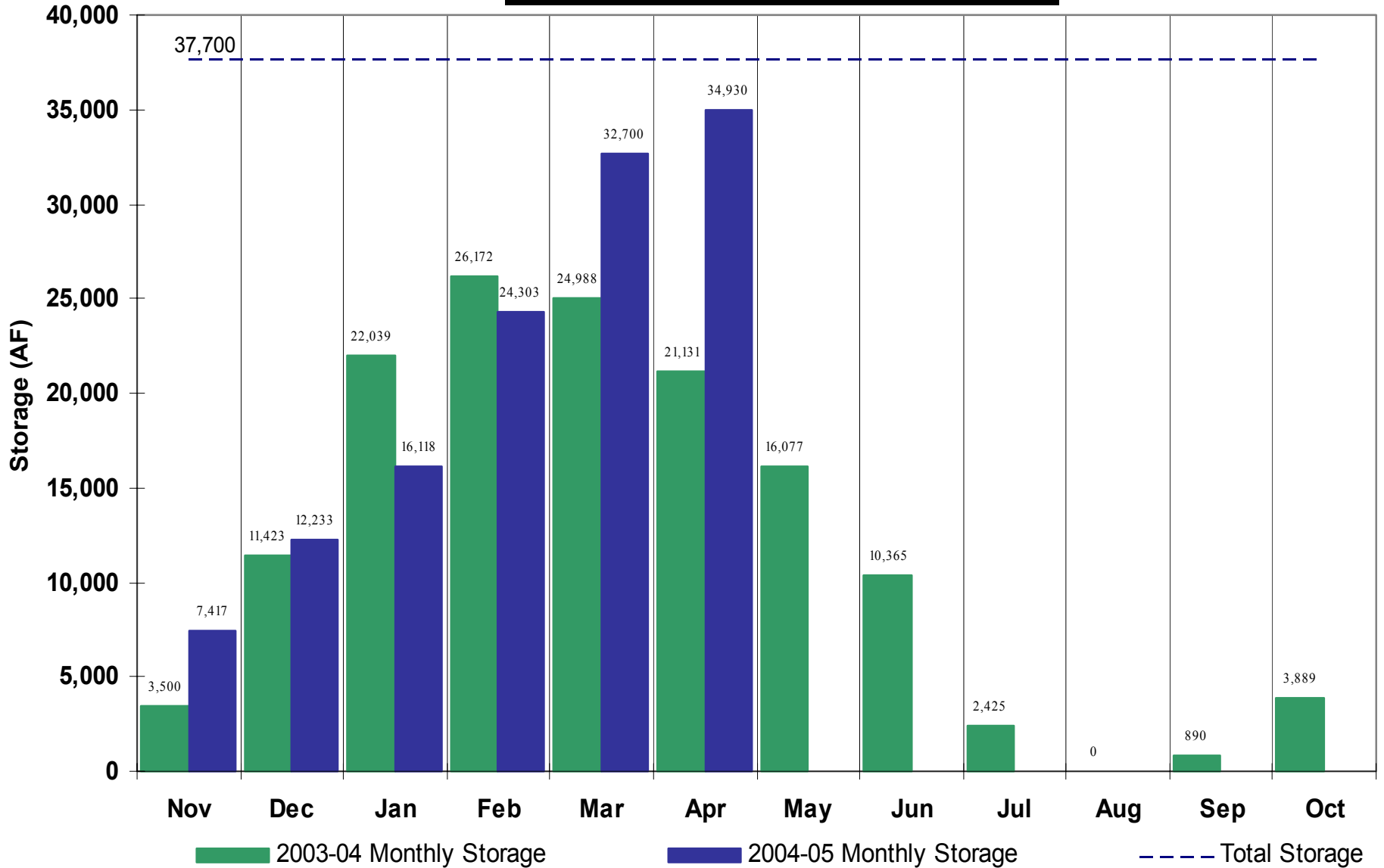


North Sterling Reservoir

(Agricultural)

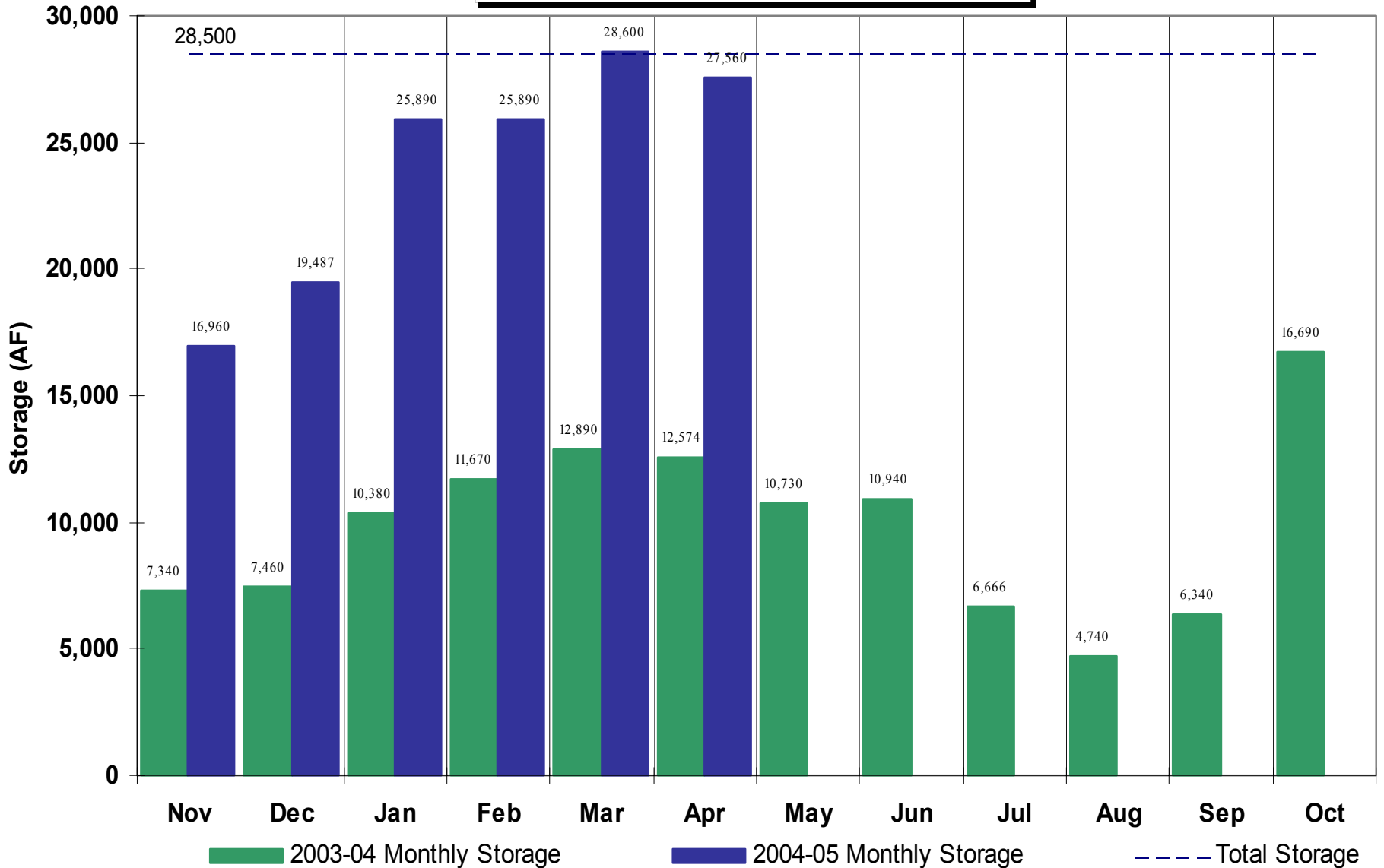


Empire Reservoir (Agricultural)



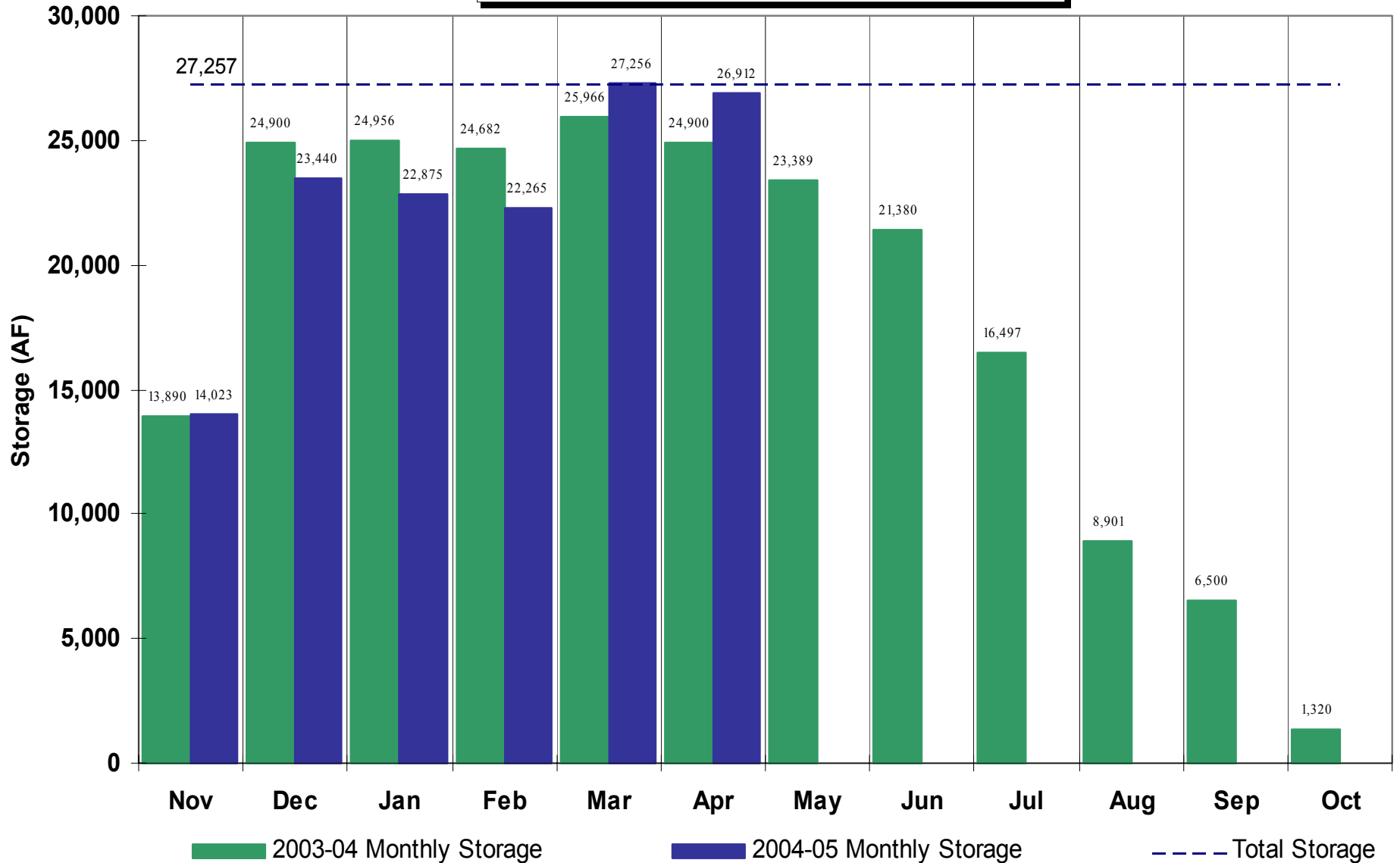
Prewitt Reservoir

(Agricultural)



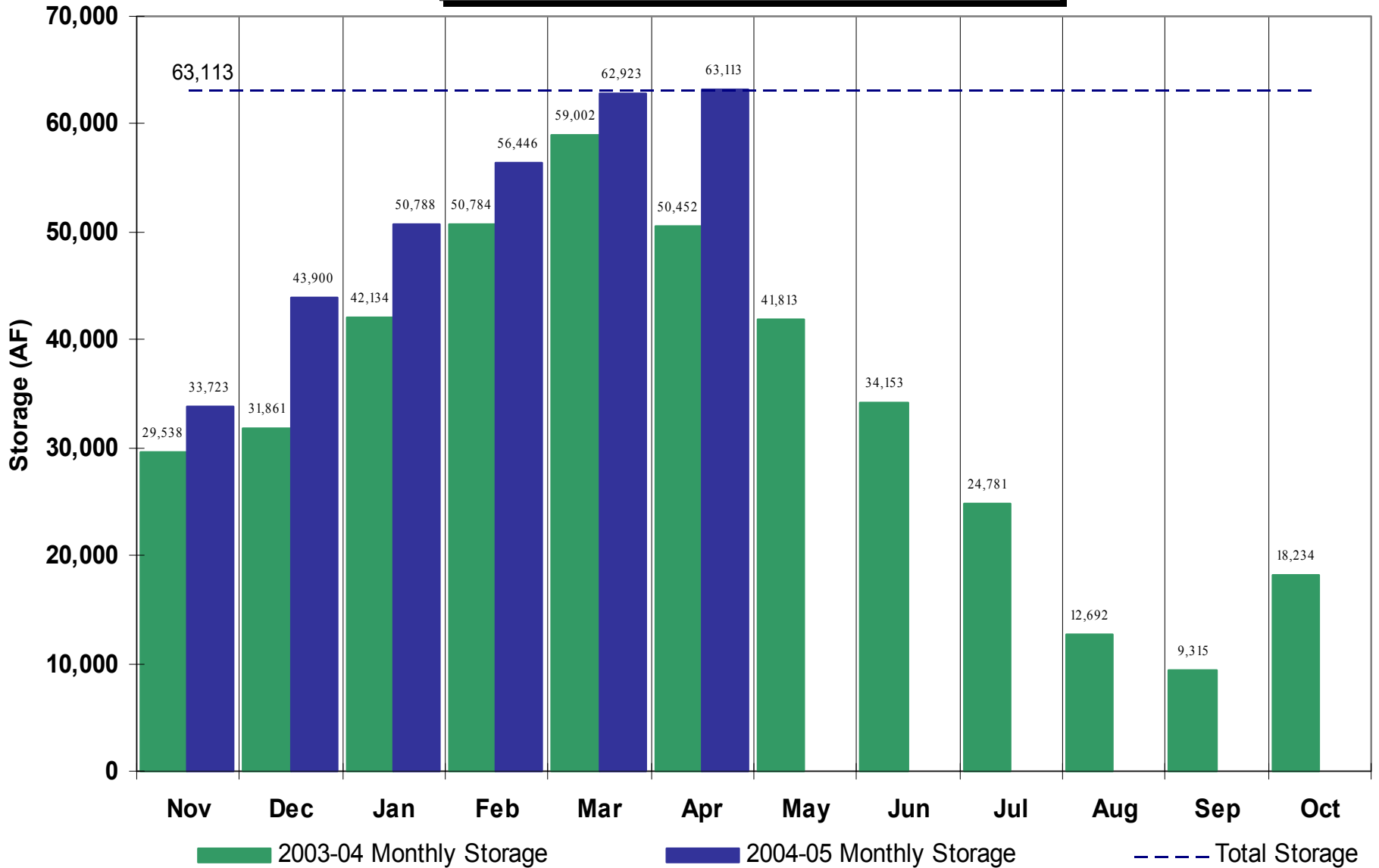
Jackson Reservoir

(Agricultural)



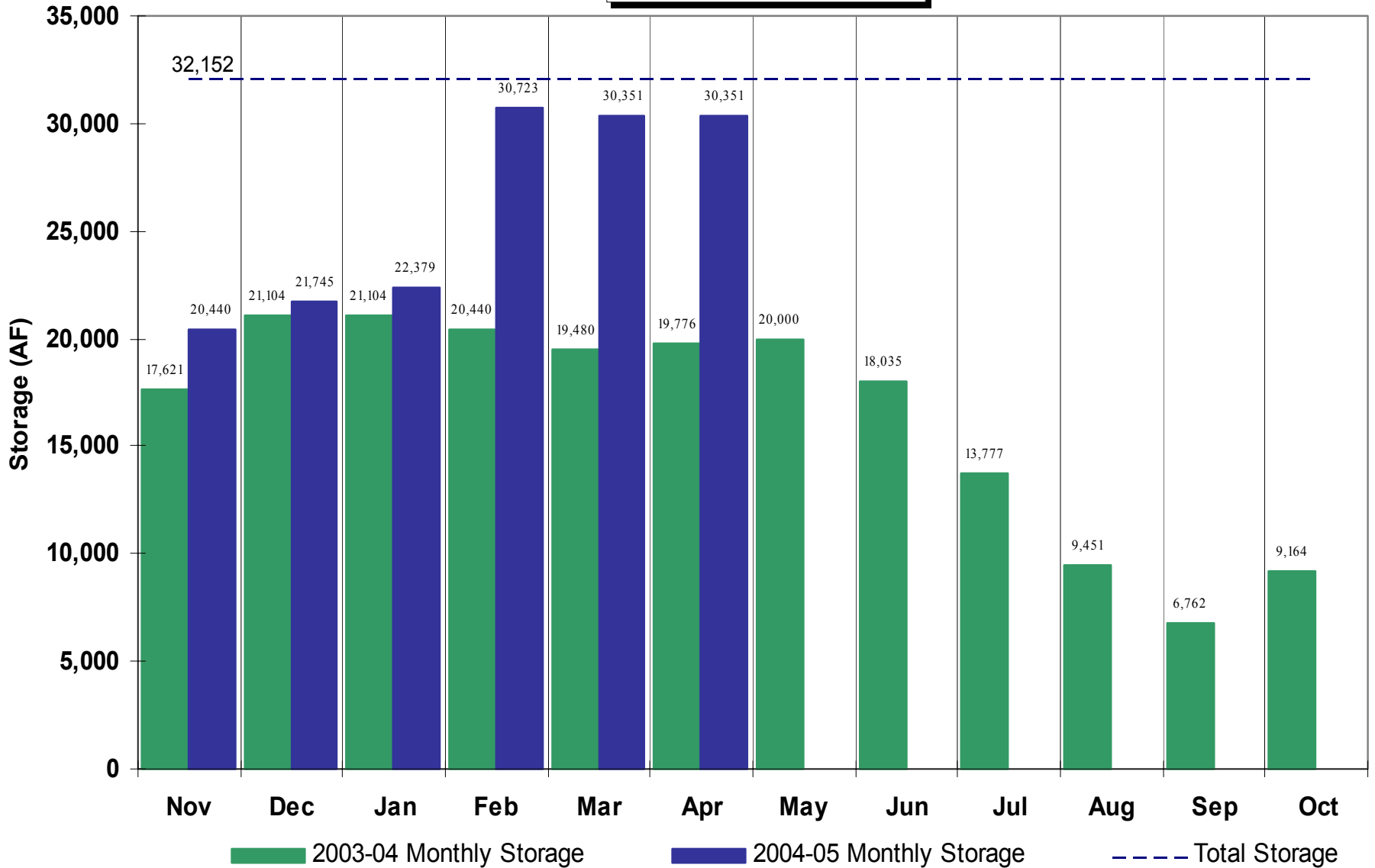
Riverside Reservoir

(Agricultural)



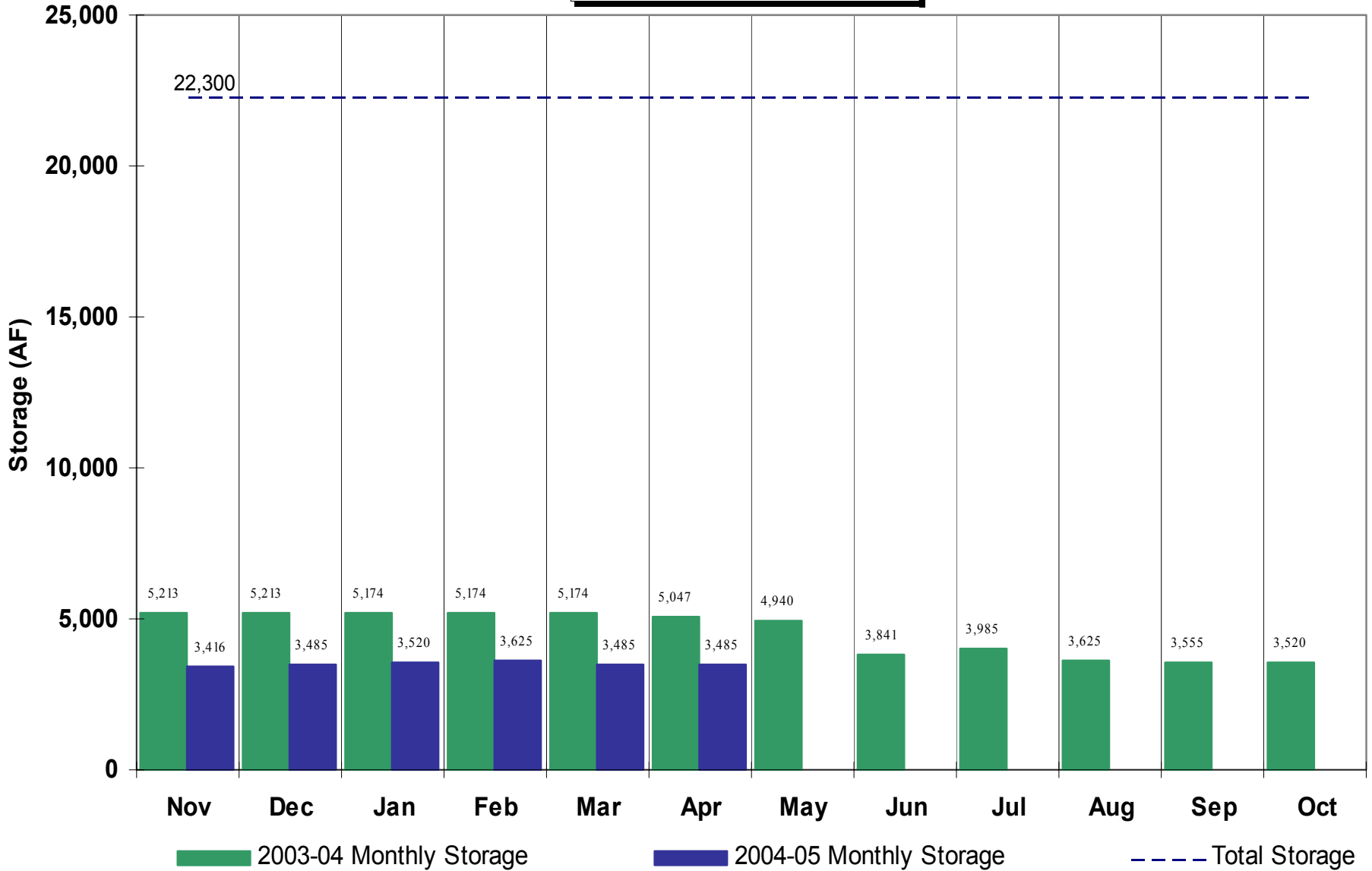
Barr Lake

(Agricultural)



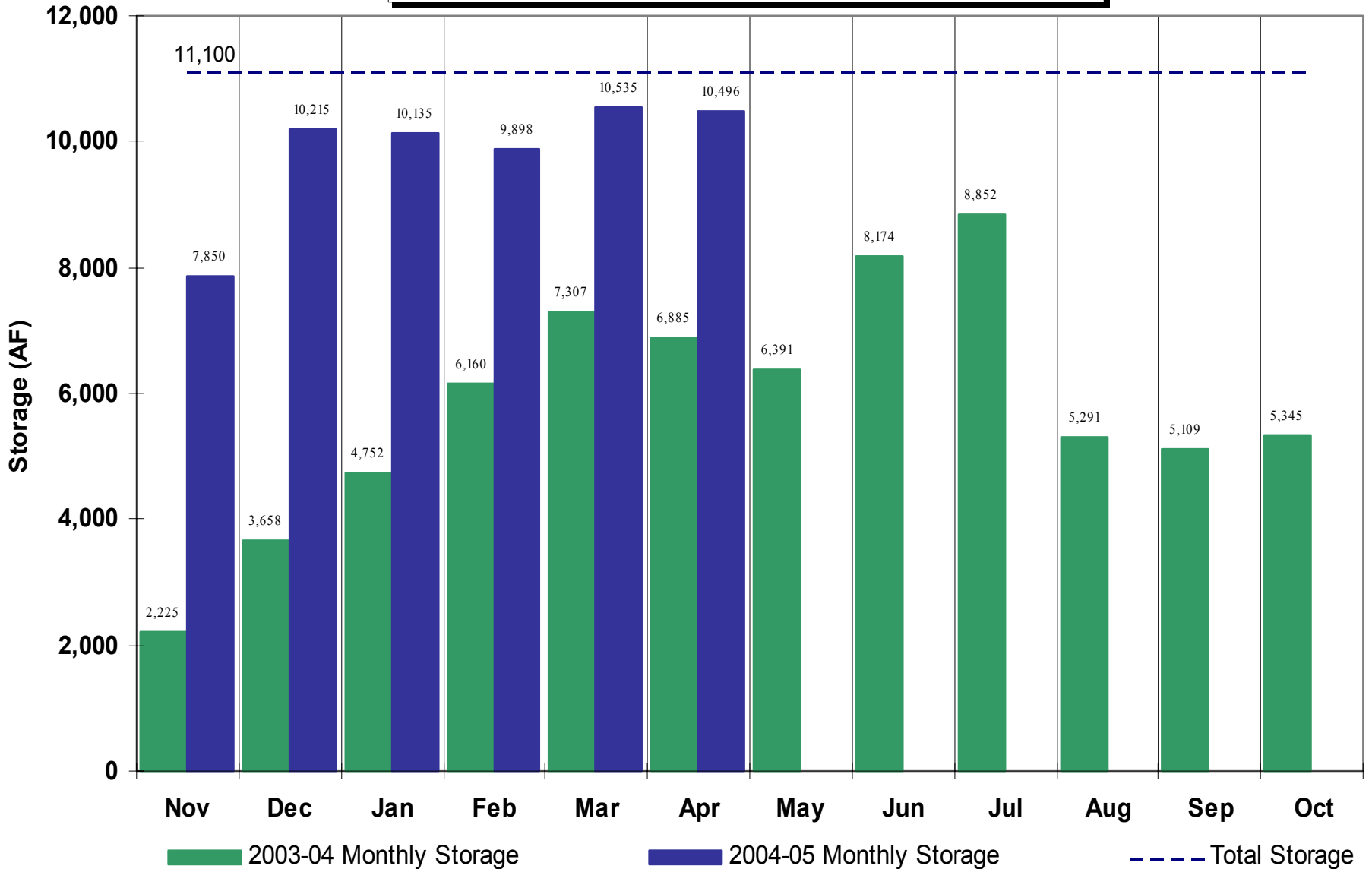
Cobb Lake

(Agricultural)



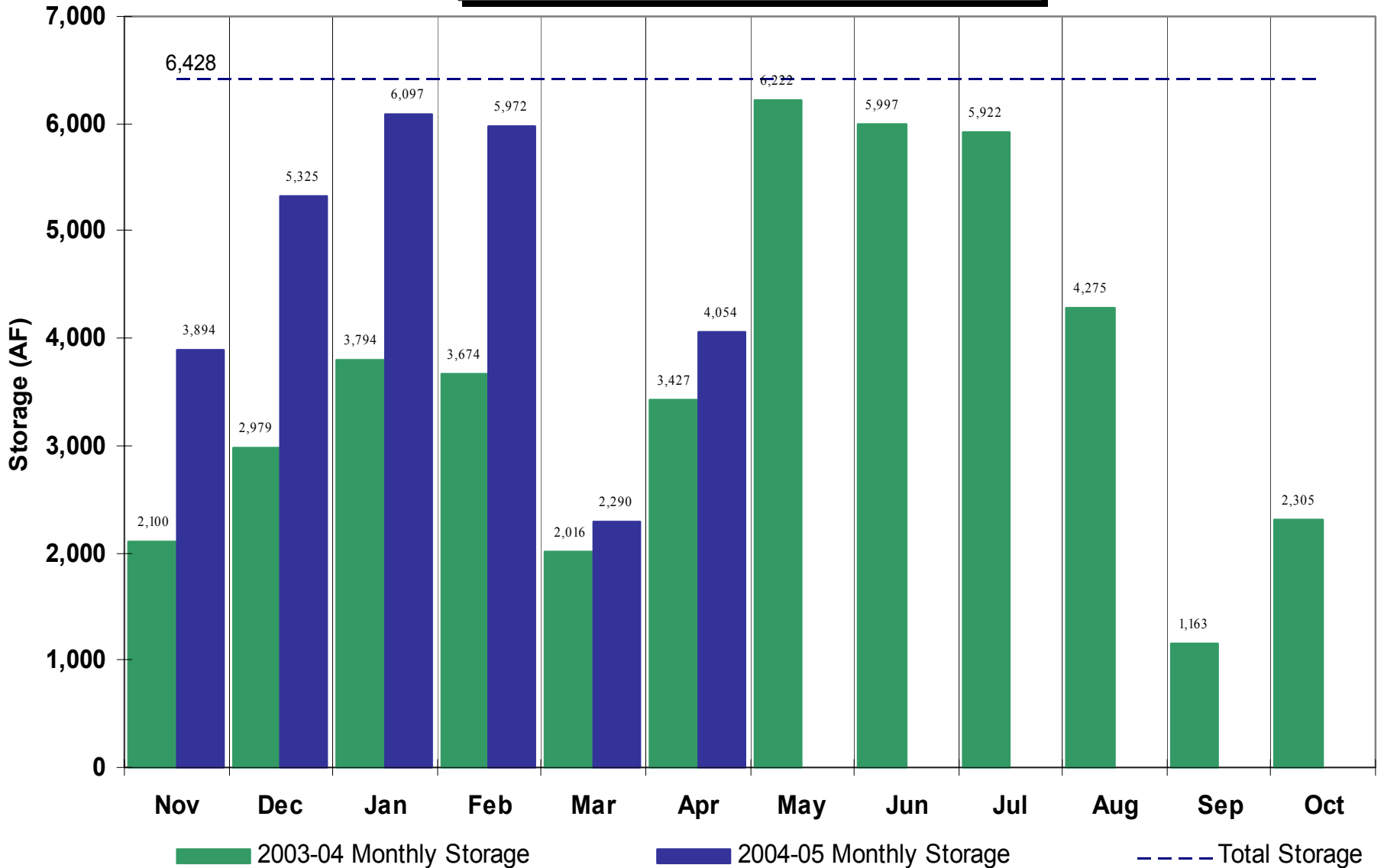
Fossil Creek Reservoir

(Agricultural)



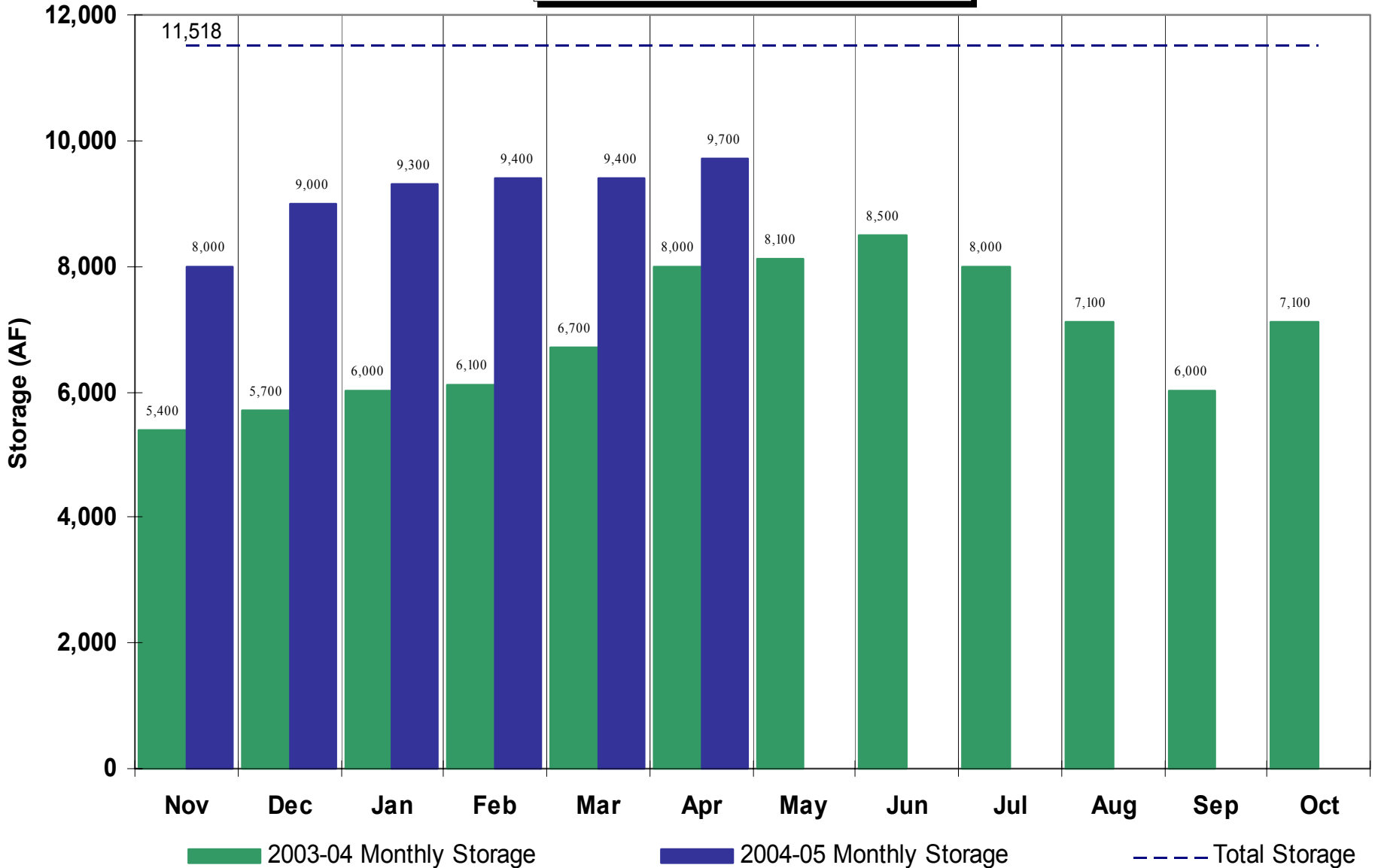
Halligan Reservoir

(Agricultural)



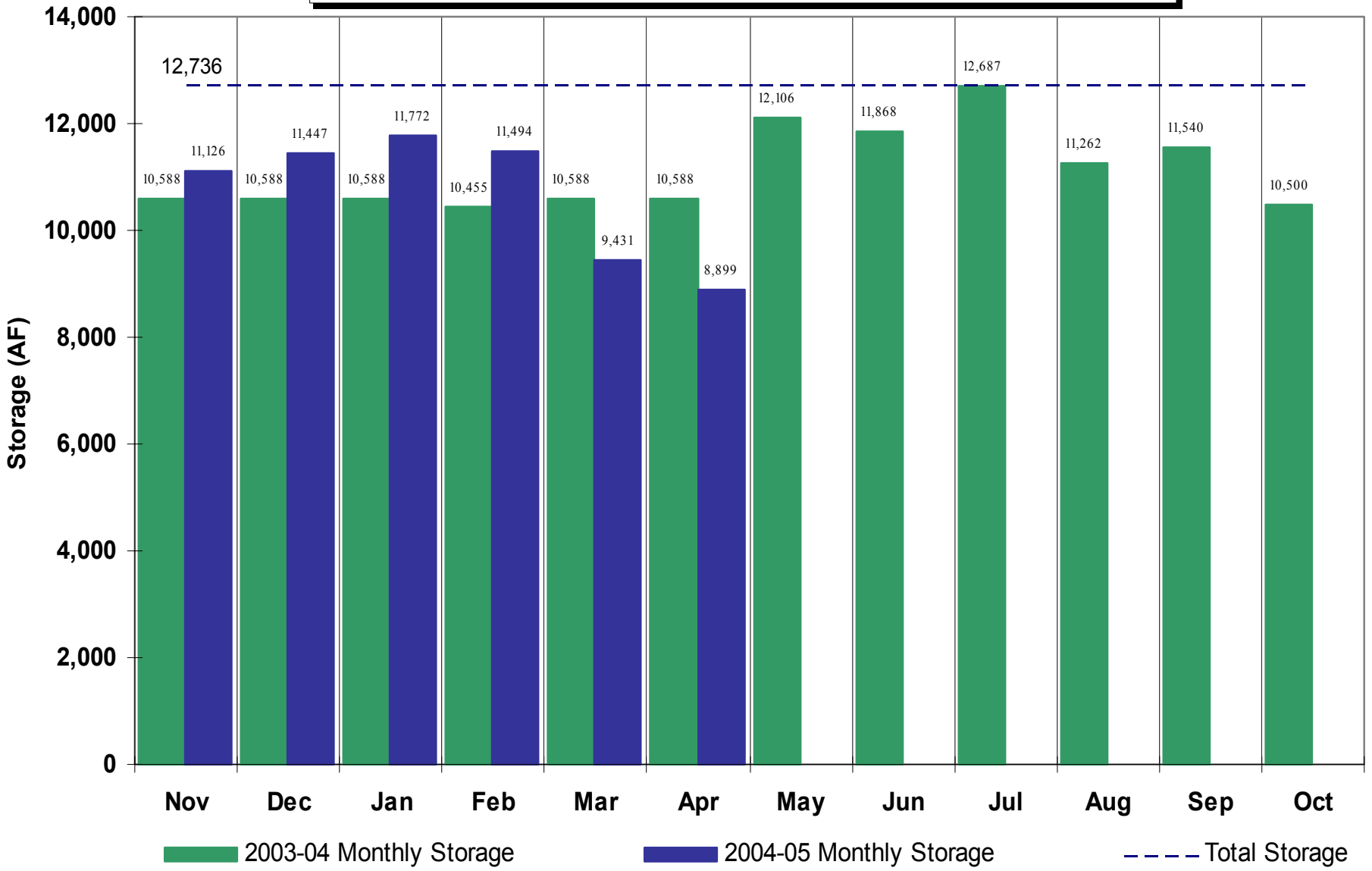
Marshall Lake

(Agricultural)



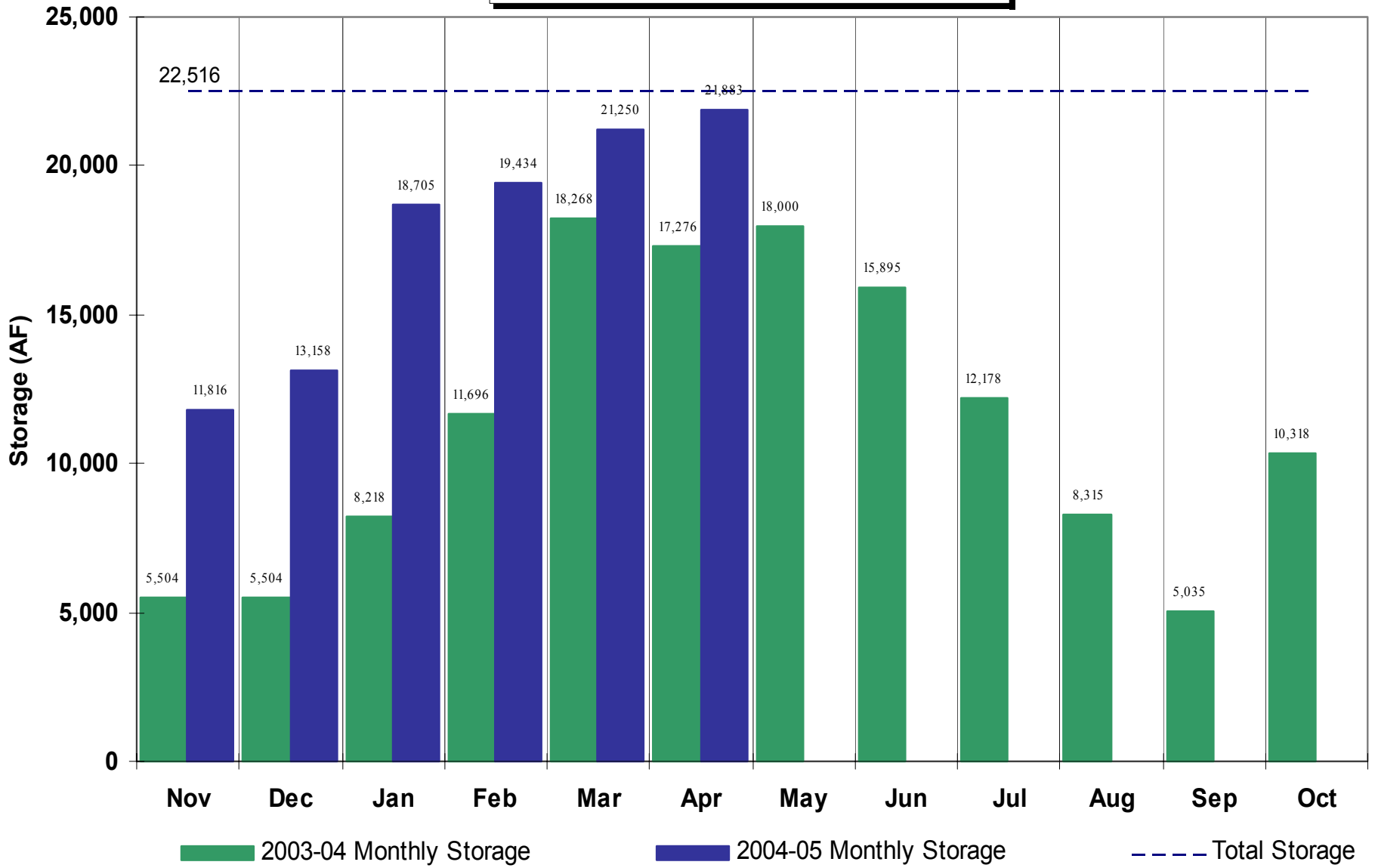
Loveland Greeley Reservoir

(Agricultural)

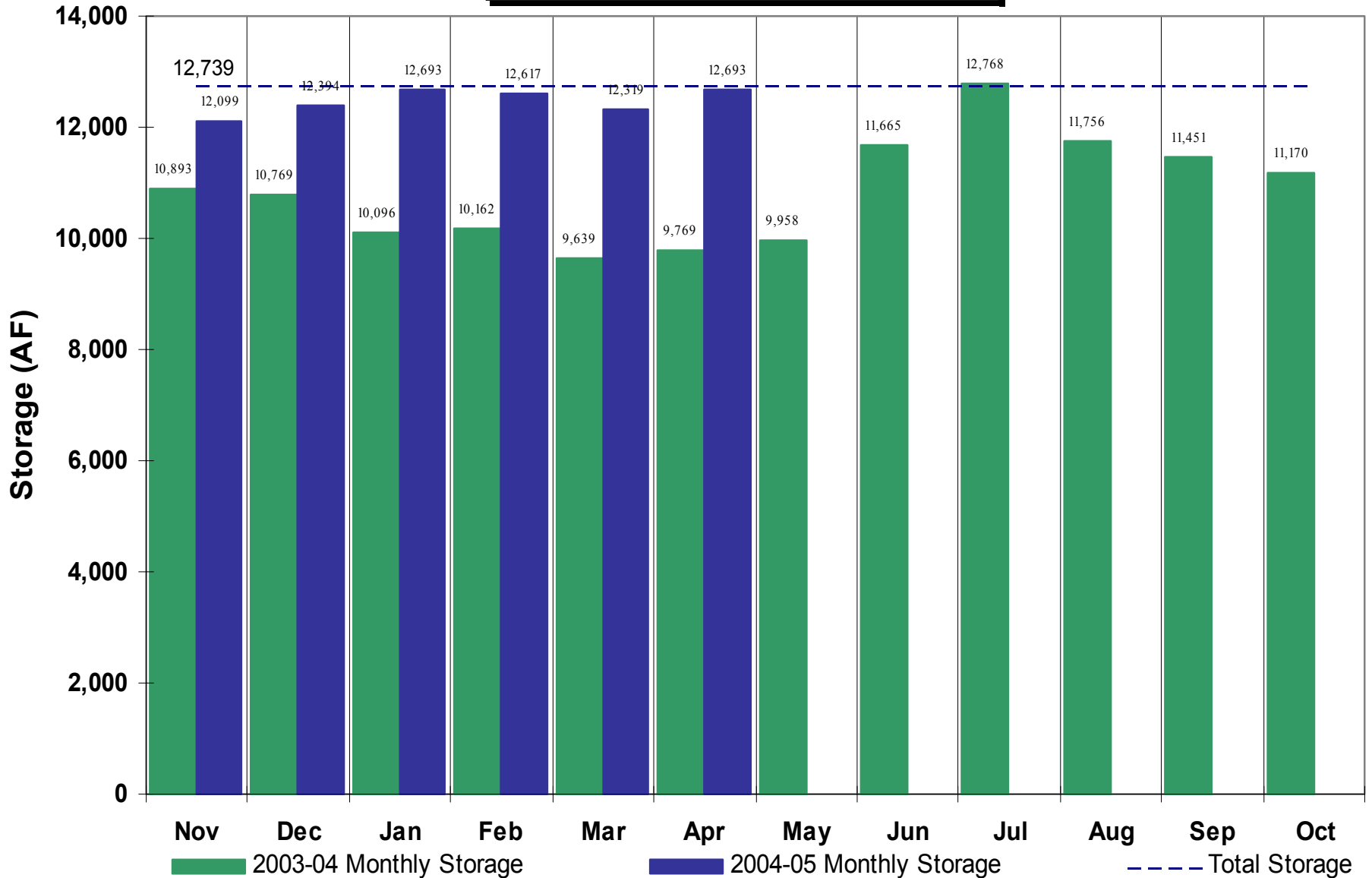


Milton Reservoir

(Agricultural)

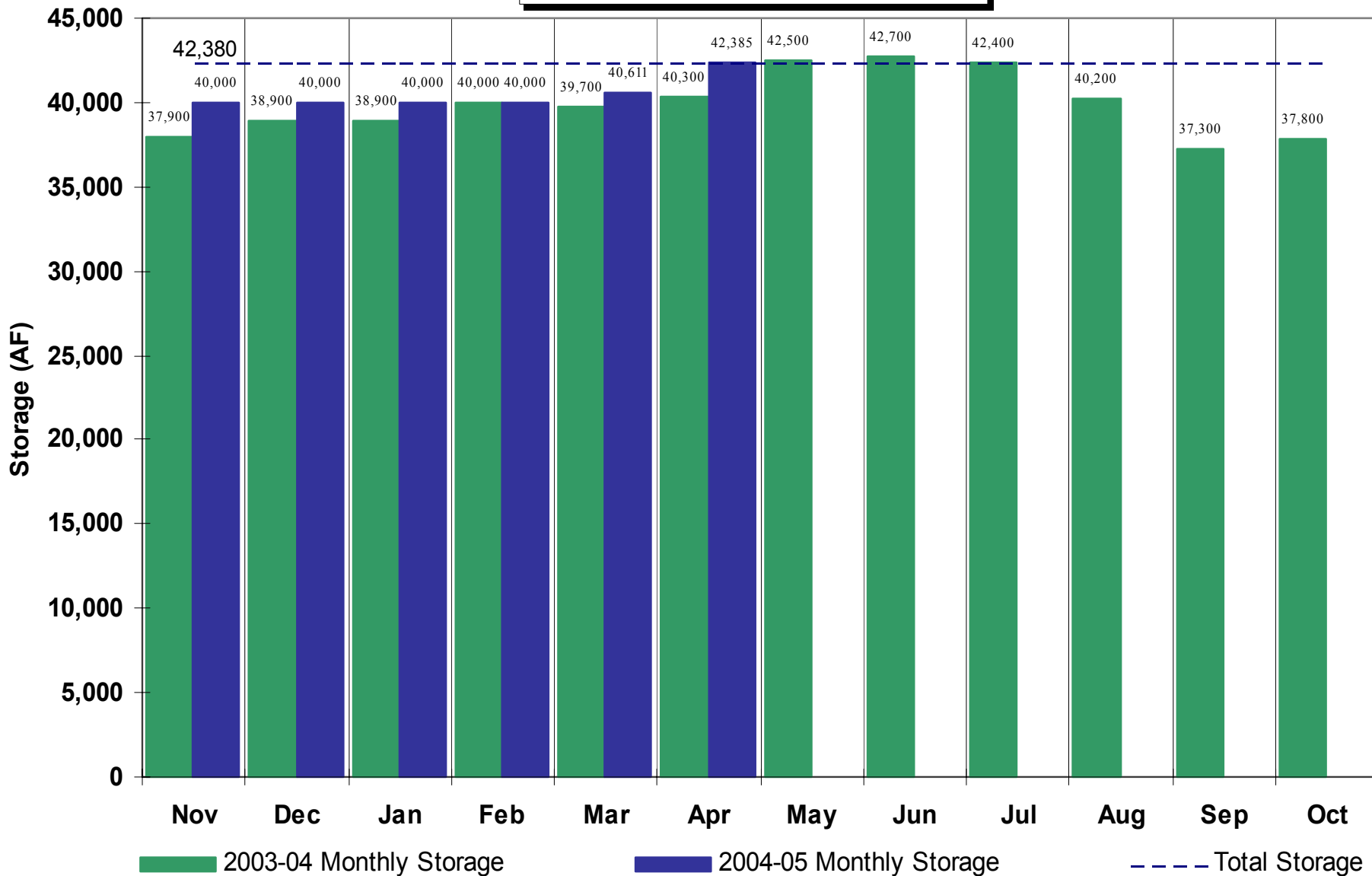


Union Reservoir (Agricultural)



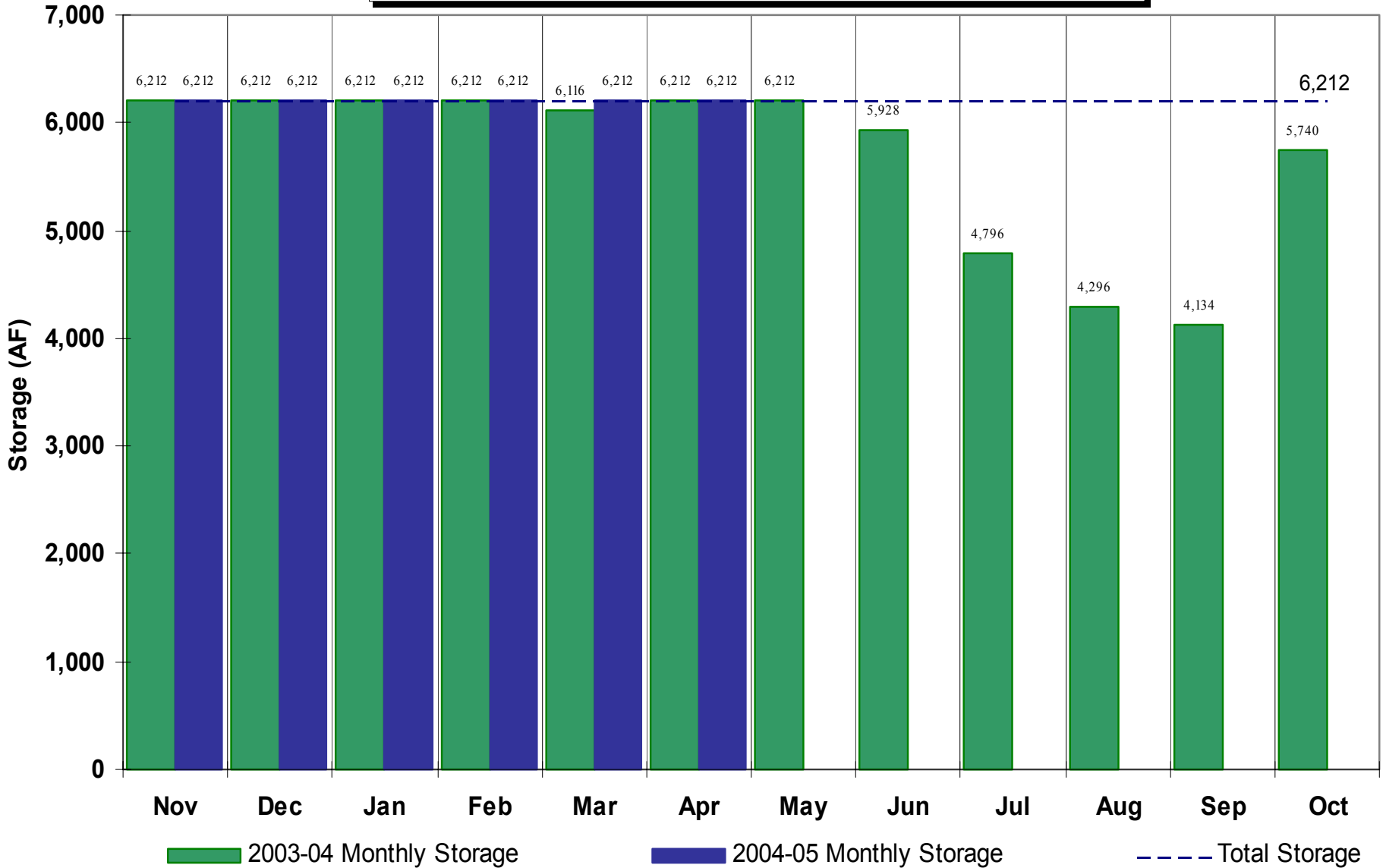
Standley Lake

(Agricultural)

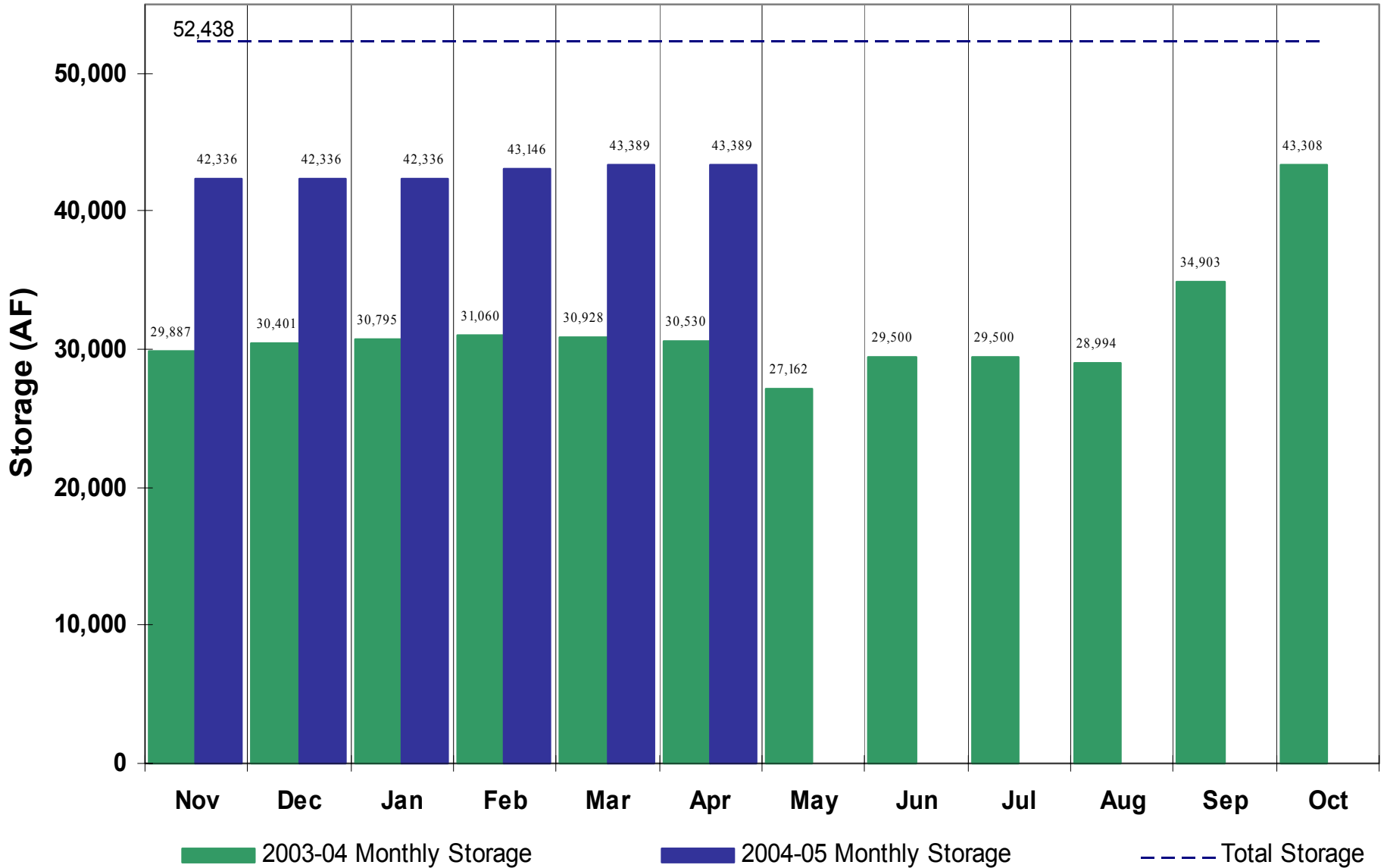


Lower Latham Reservoir

(Agricultural)

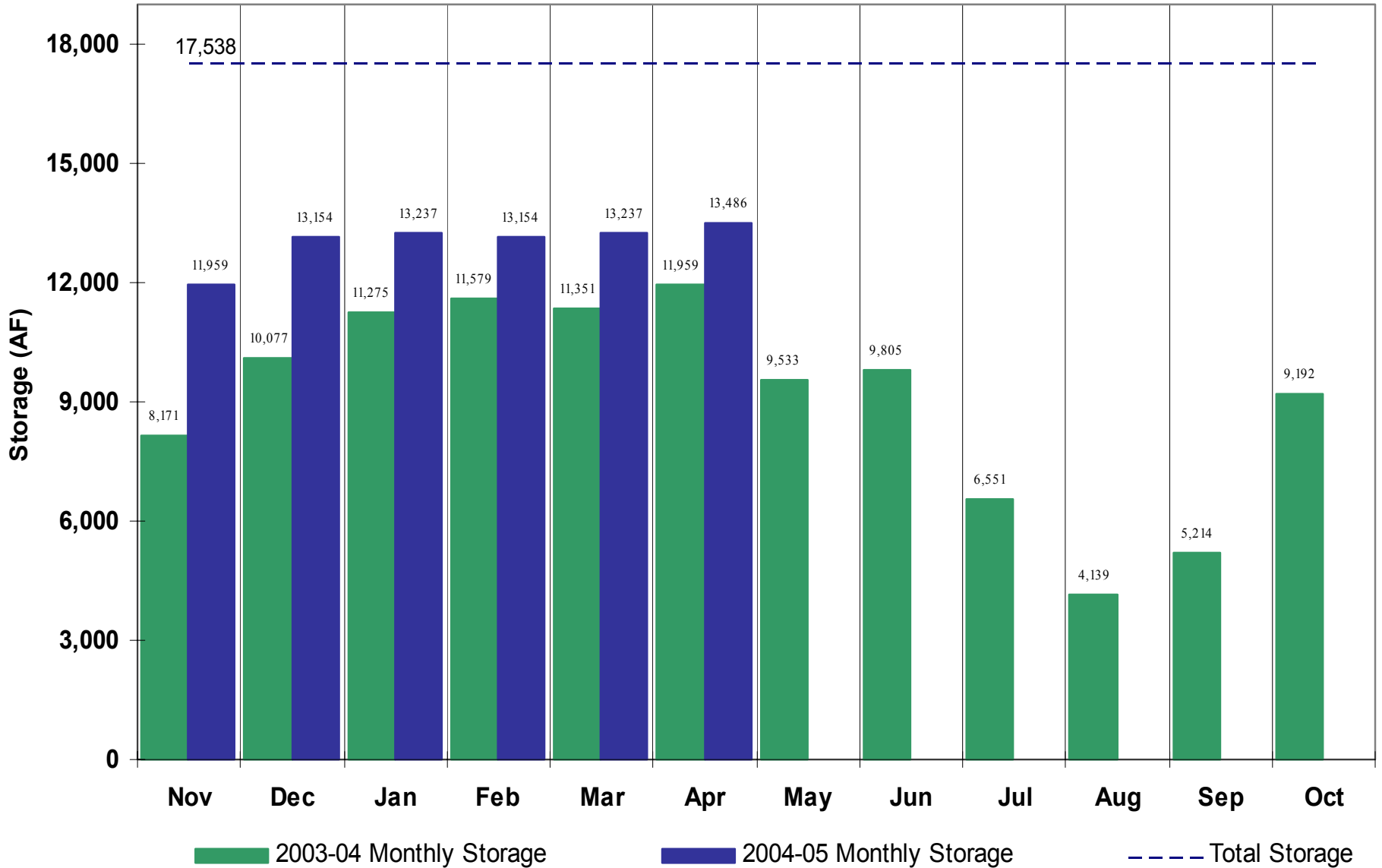


Boyd Lake (Agricultural)



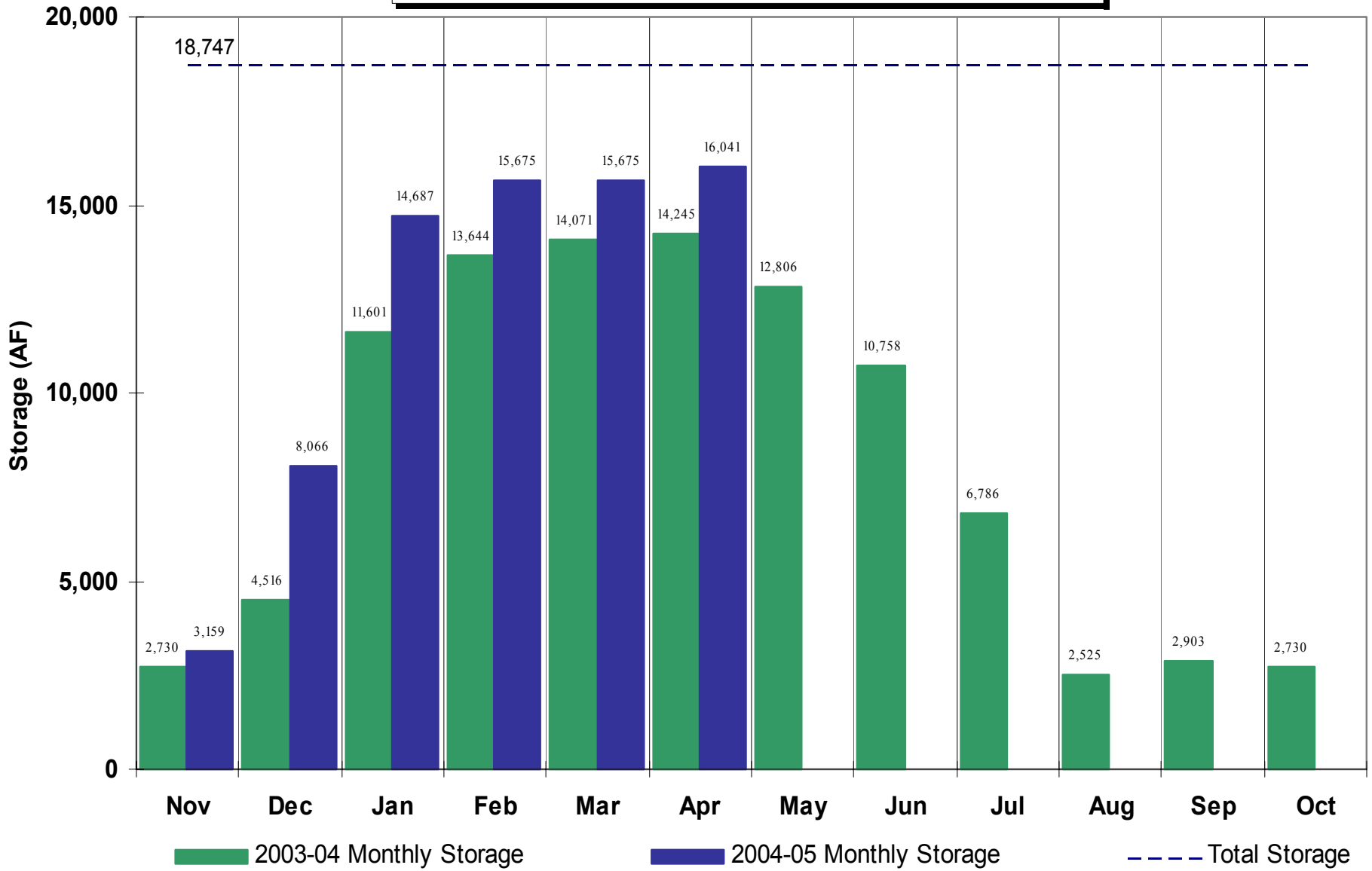
Windsor Reservoir

(Agricultural)



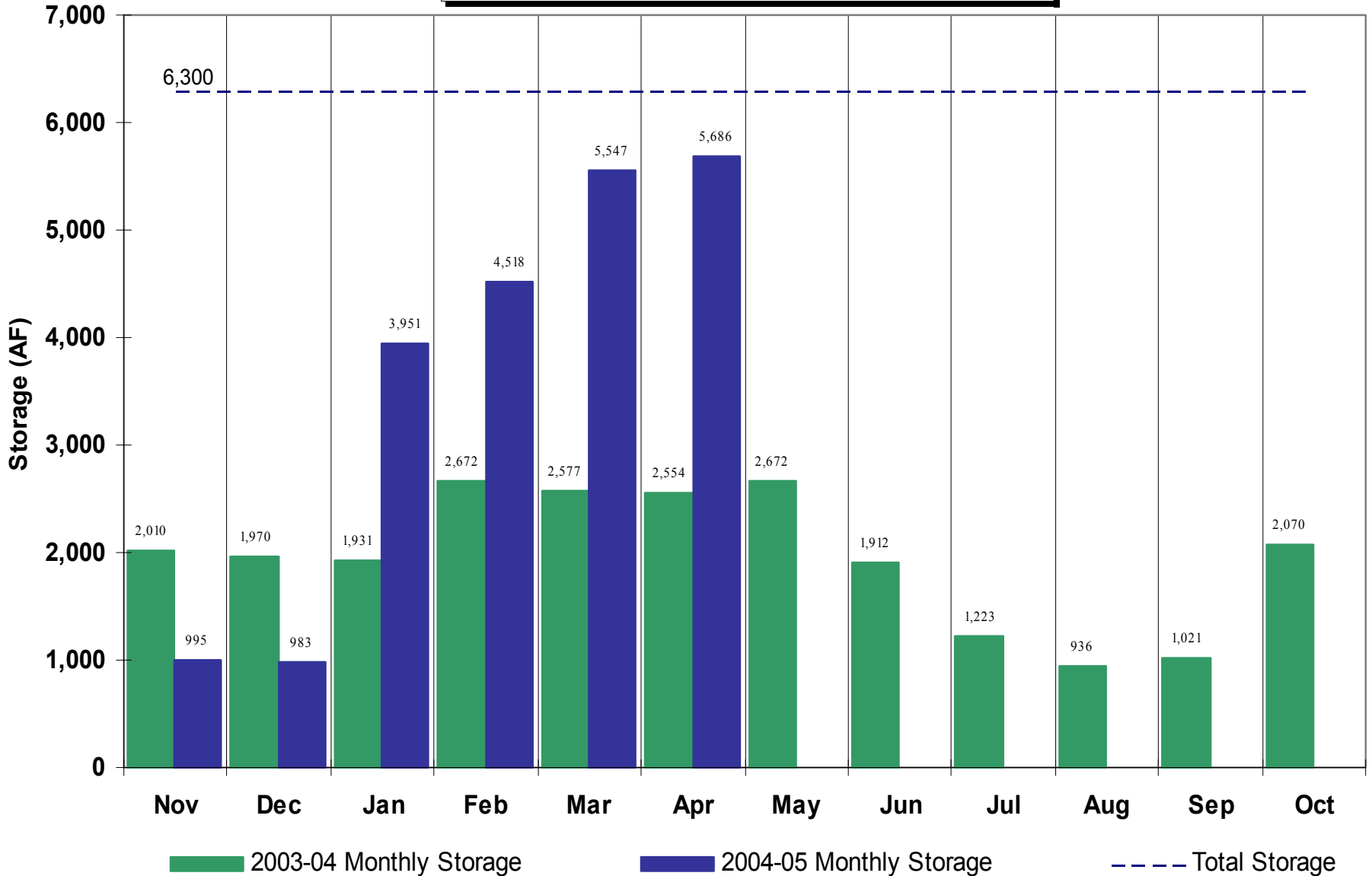
Horse Creek Reservoir

(Agricultural)



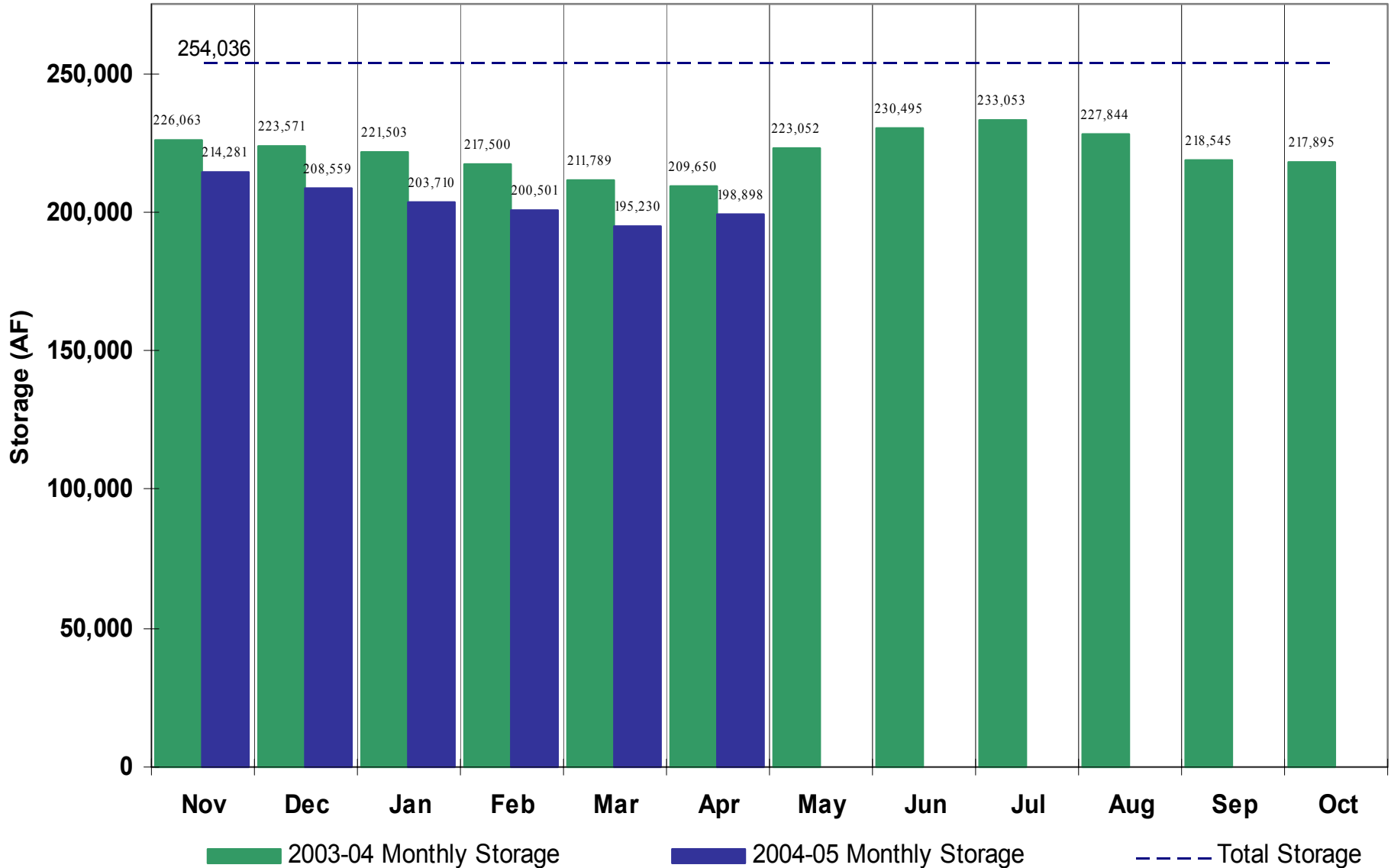
Prospect Reservoir

(Agricultural)



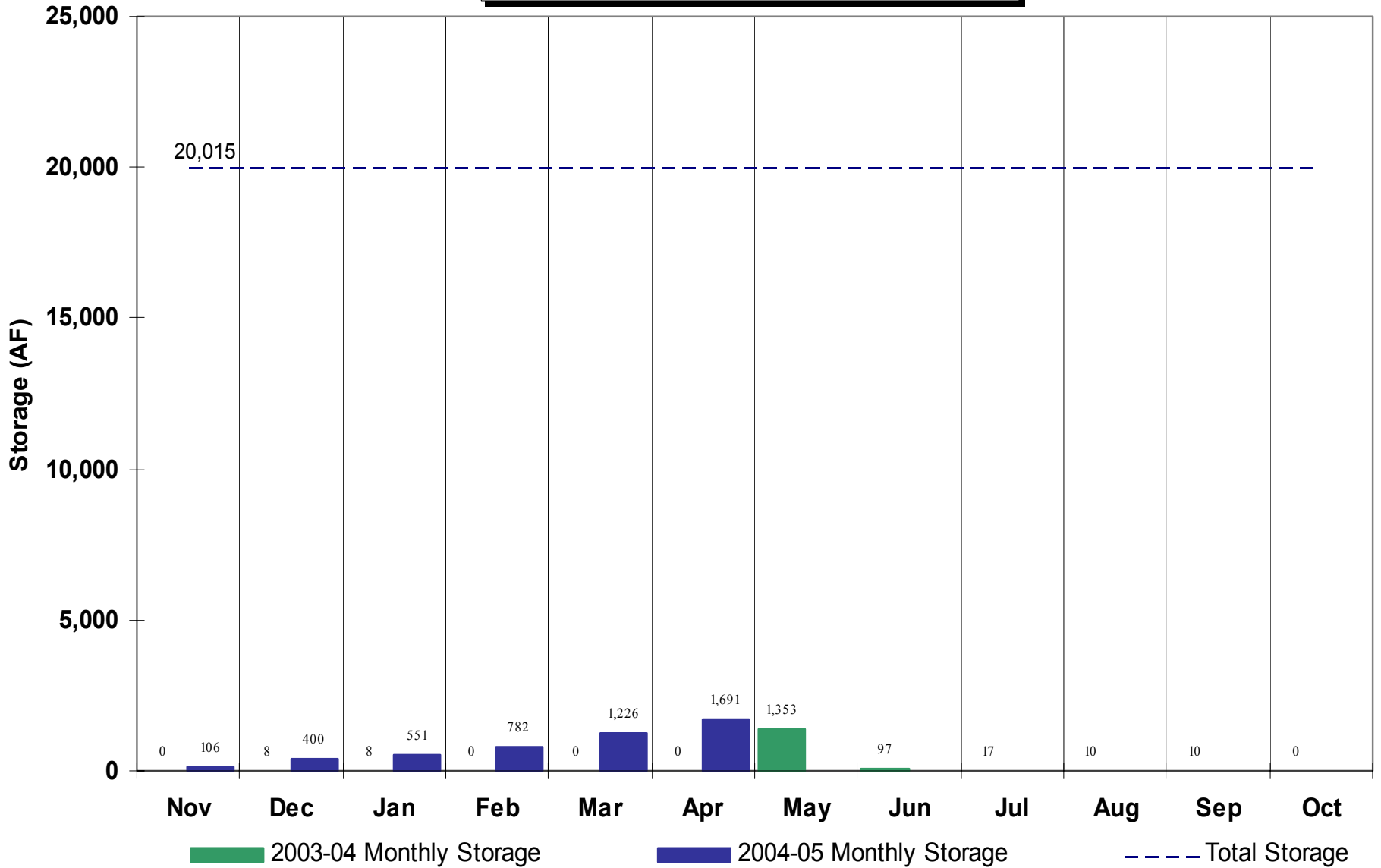
Dillon Reservoir

(Municipal)



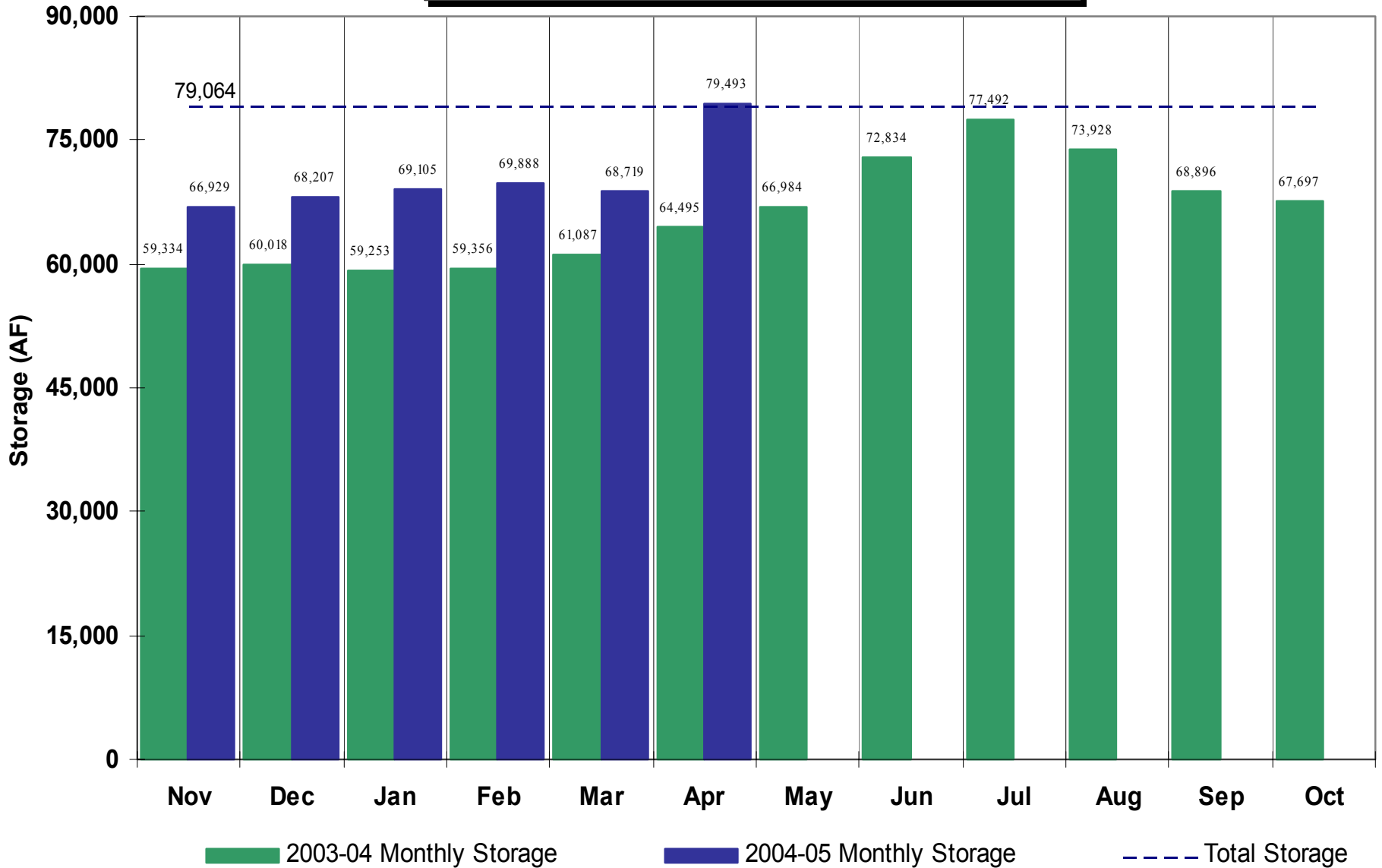
Antero Reservoir

(Municipal)



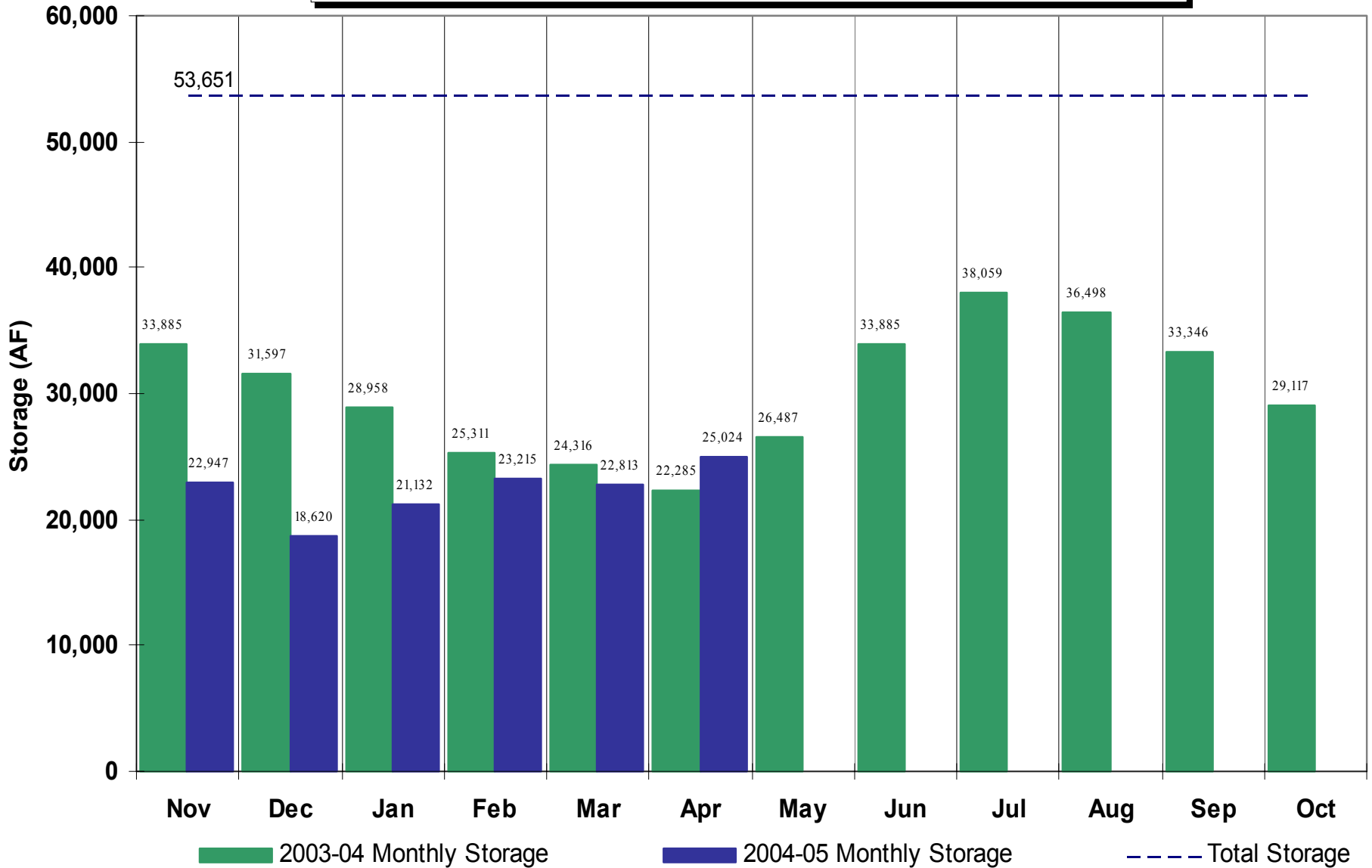
Cheesman Reservoir

(Municipal)



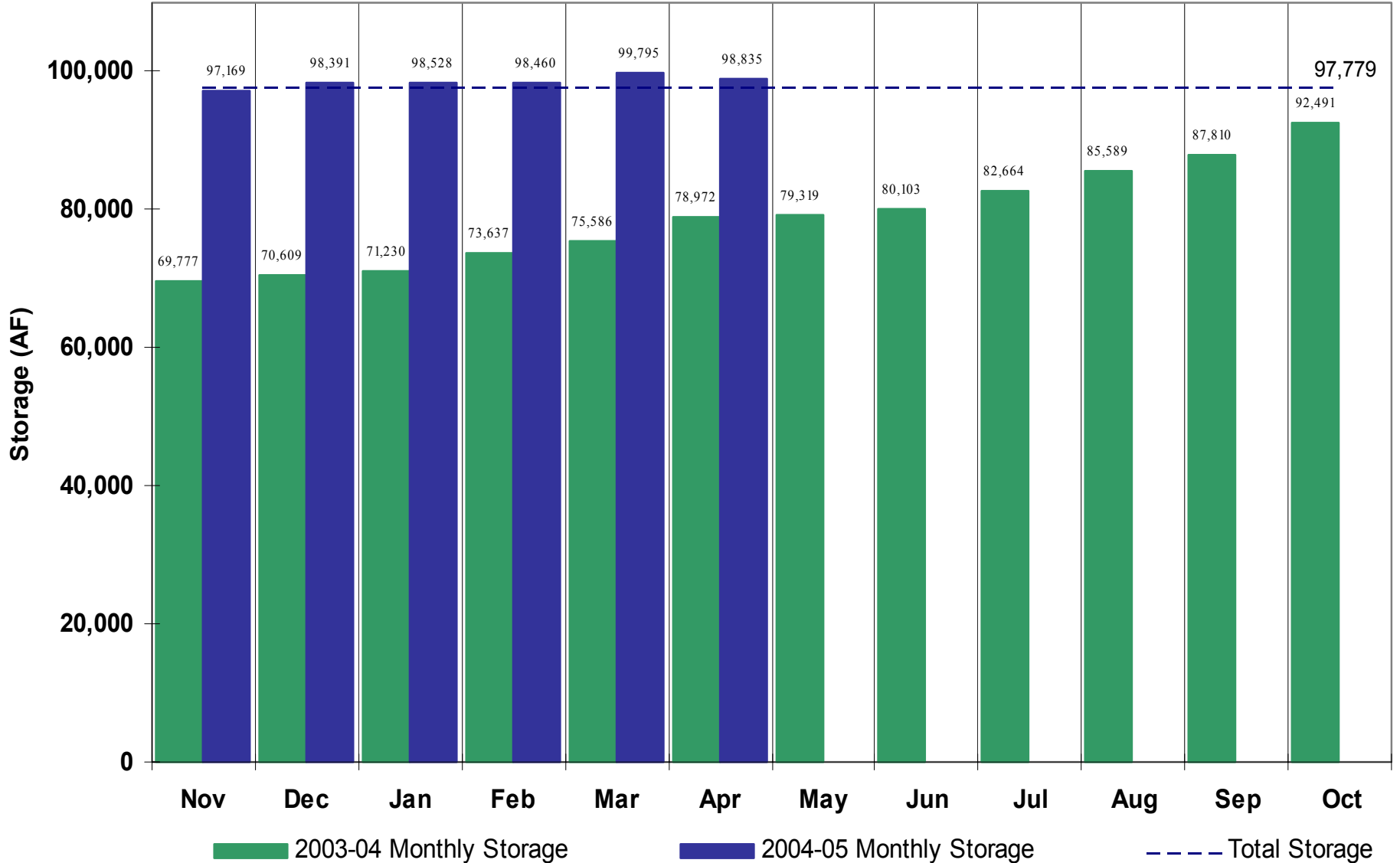
Spinney Mountain Reservoir

(Municipal)

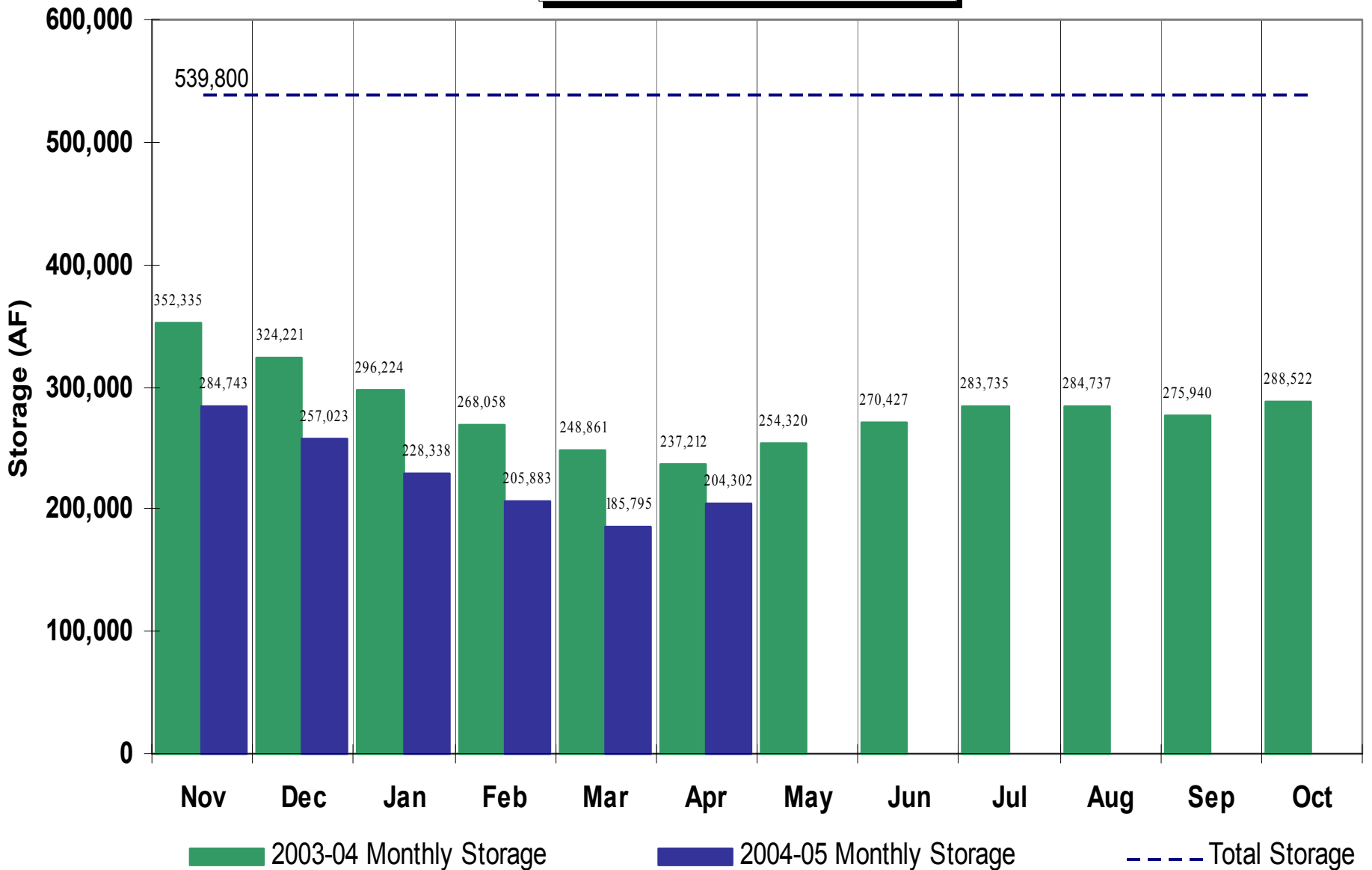


Eleven Mile Reservoir

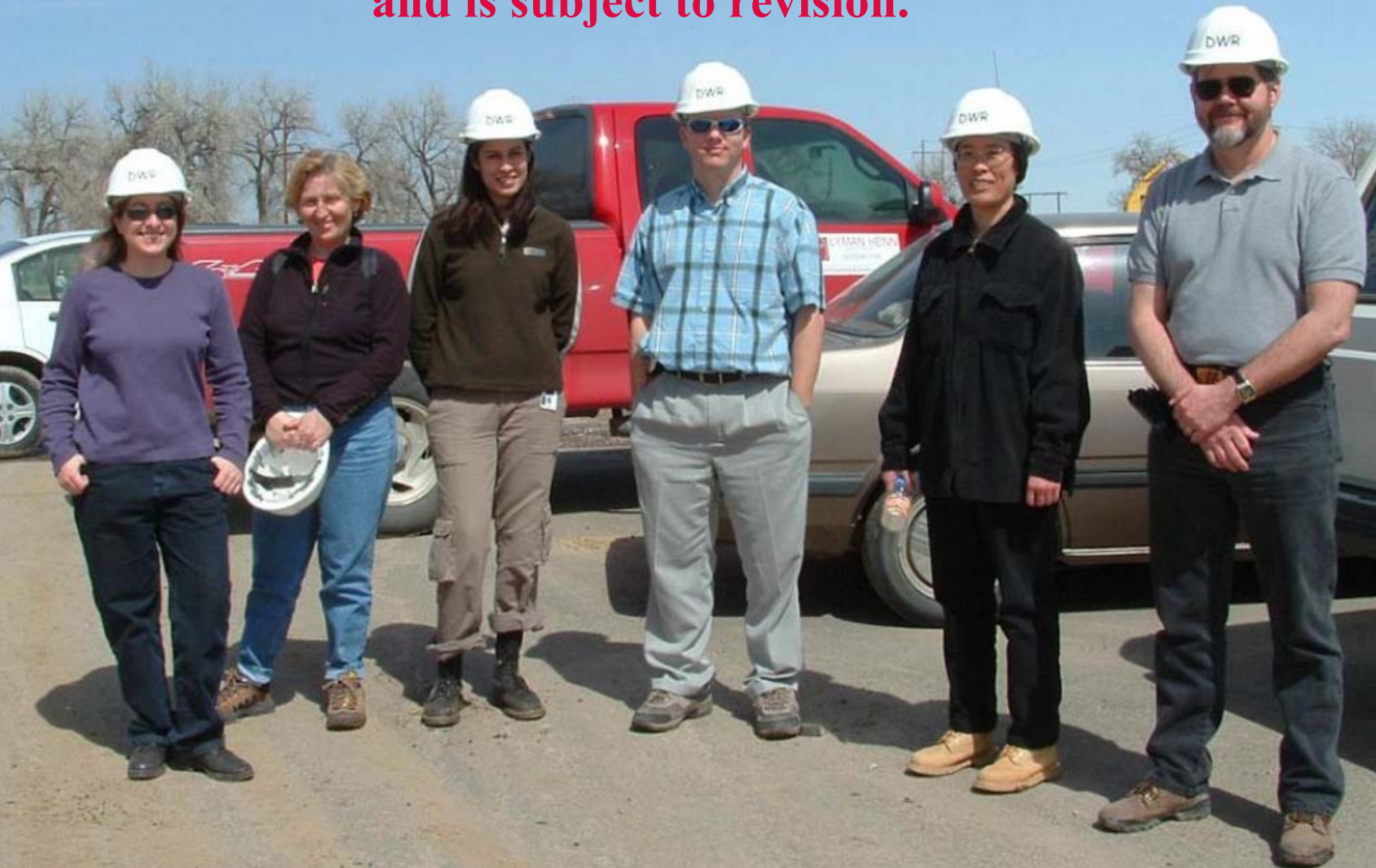
(Municipal)



Lake Granby



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



(photo by Mike Bender)