



# **South Platte Summary**

## **February 2005**

**Parvin Lake**

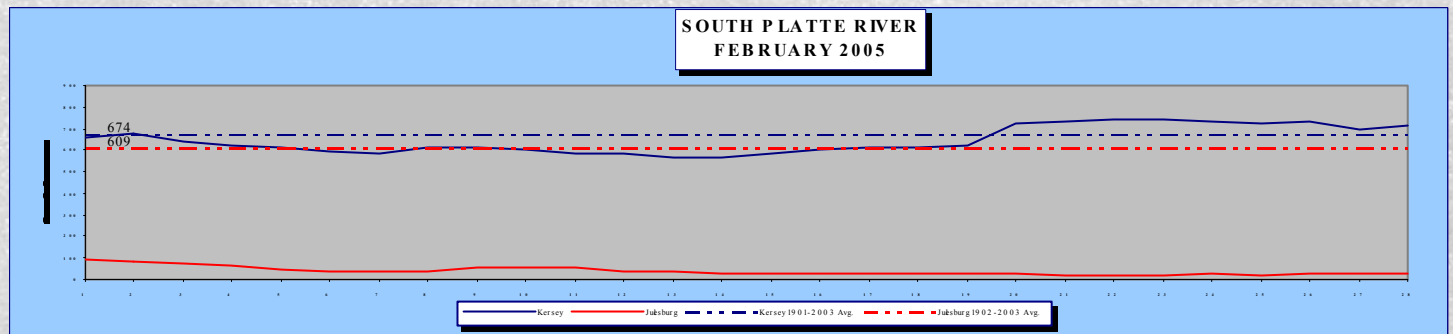
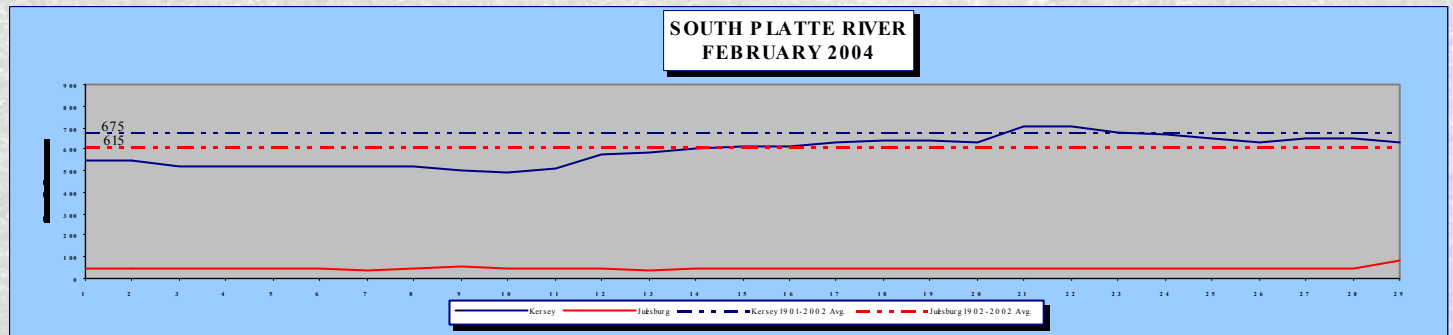
**By Claudia Engelmann**  
**Colorado Division of Water Resources**

# COLORADO DIVISION OF WATER RESOURCES, DIVISION 1

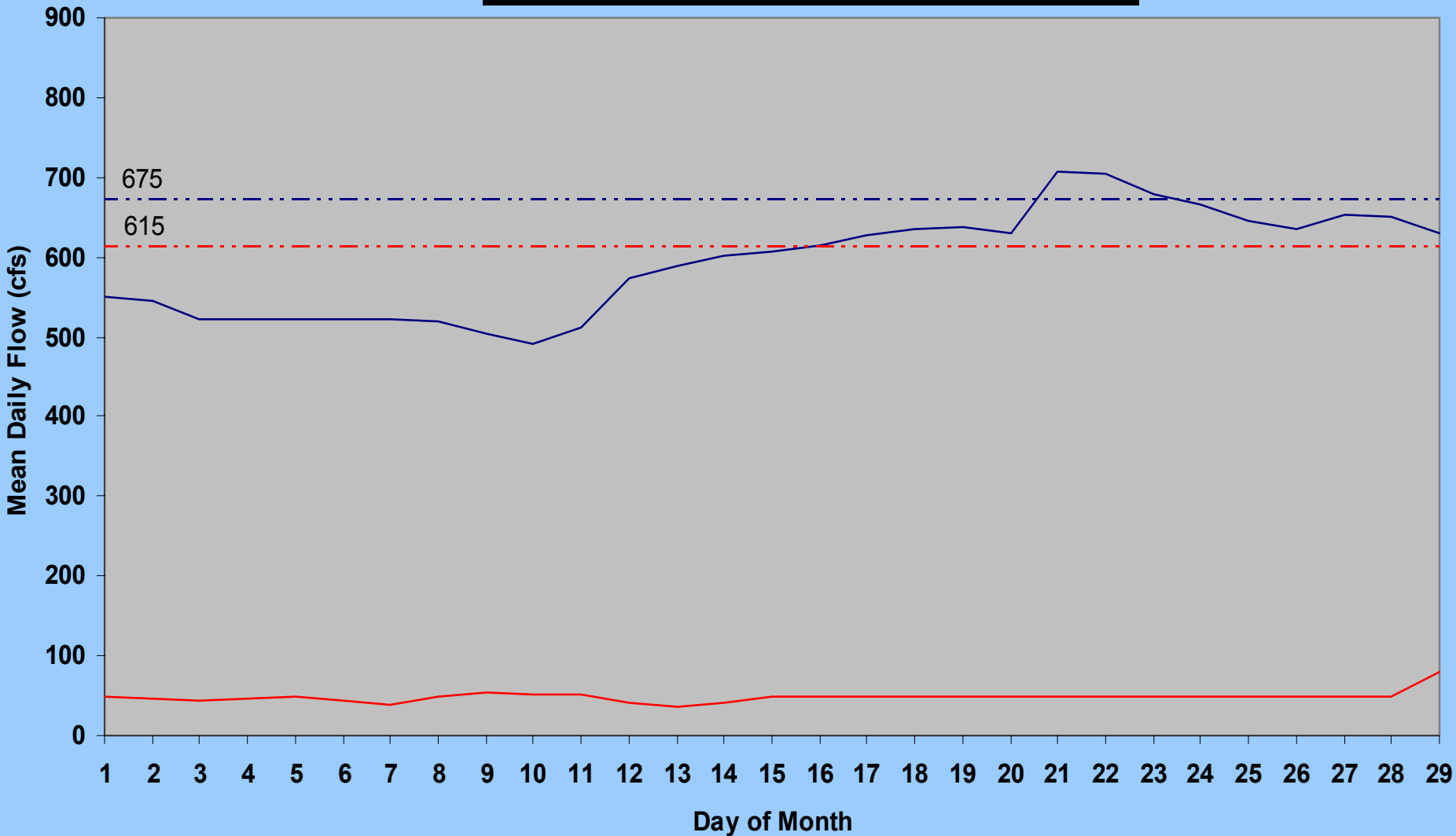
## MONTH OF FEBRUARY 2005

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	17,326	17,326	64	0	0%	76%	88%	0
N STERLING	73,730	53,080	66,440	64	13,360	25%	90%	39%	0
PREWITT	28,500	25,890	25,890	64	0	0%	91%	32%	0
JACKSON	27,257	22,875	22,265	1	-610	-3%	82%	91%	0
EMPIRE	37,700	16,118	24,303	1	8,185	51%	64%	67%	0
RIVERSIDE	63,113	50,788	56,446	1	5,658	11%	89%	60%	0
BARR LAKE	31,652	22,379	30,723	2	8,344	37%	97%	44%	0
CHEESMAN	79,064	69,105	69,888	80	783	1%	88%	58%	0
ELEVEN MILE	97,779	98,528	98,460	23	-68	0%	100%	46%	681
SPINNEY	53,651	21,132	23,215	23	2,083	10%	43%	34%	0
ANTERO	20,015	551	782	23	231	42%	4%	0%	0

RIVER GAGES	MEAN DAILY FLOW (CFS)
<b>KERSEY</b>	<b>647</b>
<b>JULESBURG</b>	<b>39</b>
<b>THIS MONTH LAST YEAR</b>	
<b>KERSEY</b>	<b>594</b>
<b>JULESBURG</b>	<b>49</b>
<b>MEAN FOR PERIOD OF RECORD*</b>	
<b>KERSEY</b>	<b>674</b>
<b>JULESBURG</b>	<b>609</b>
* 1901-2003	
1902-2003	

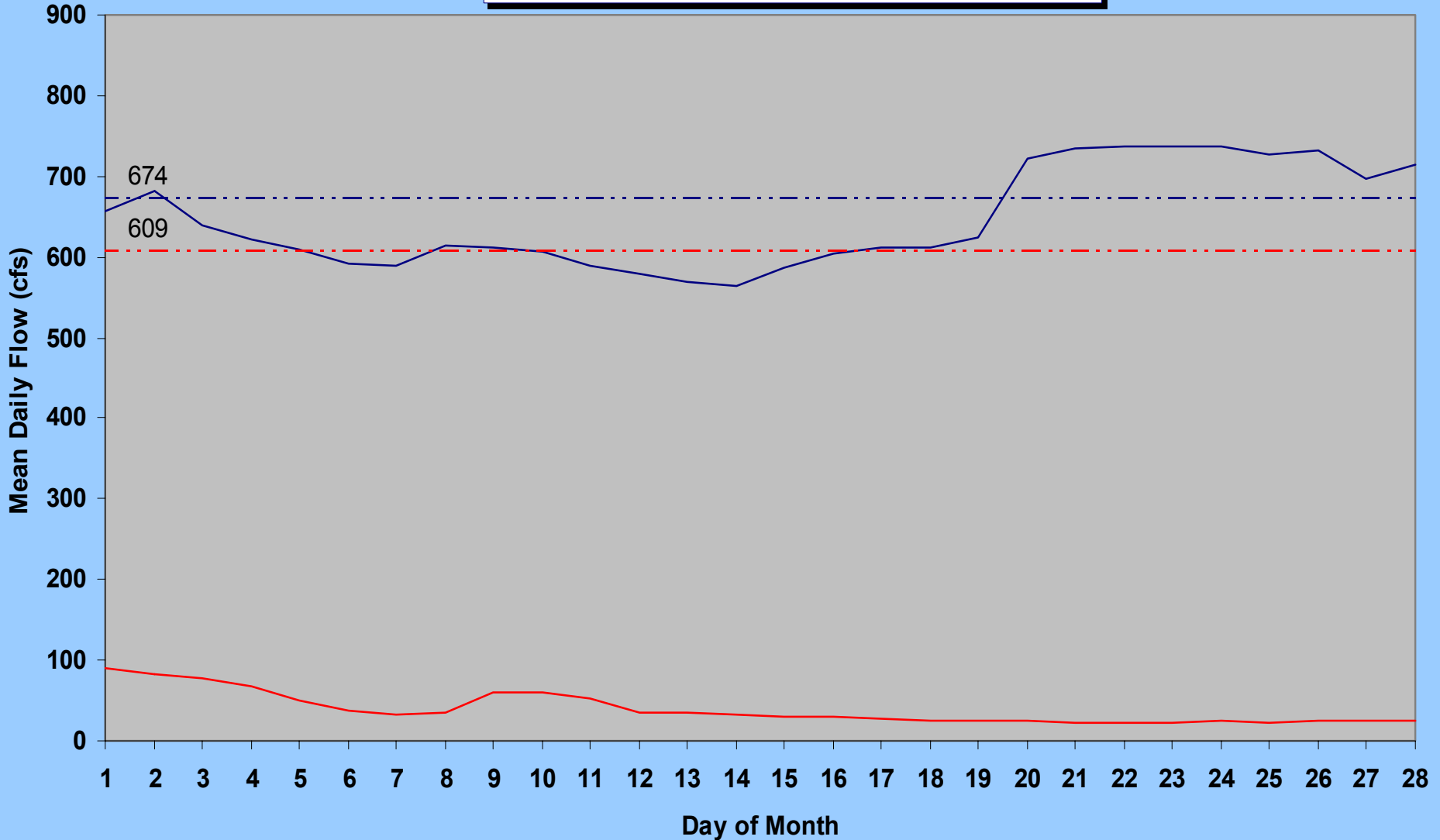


# SOUTH PLATTE RIVER FEBRUARY 2004



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

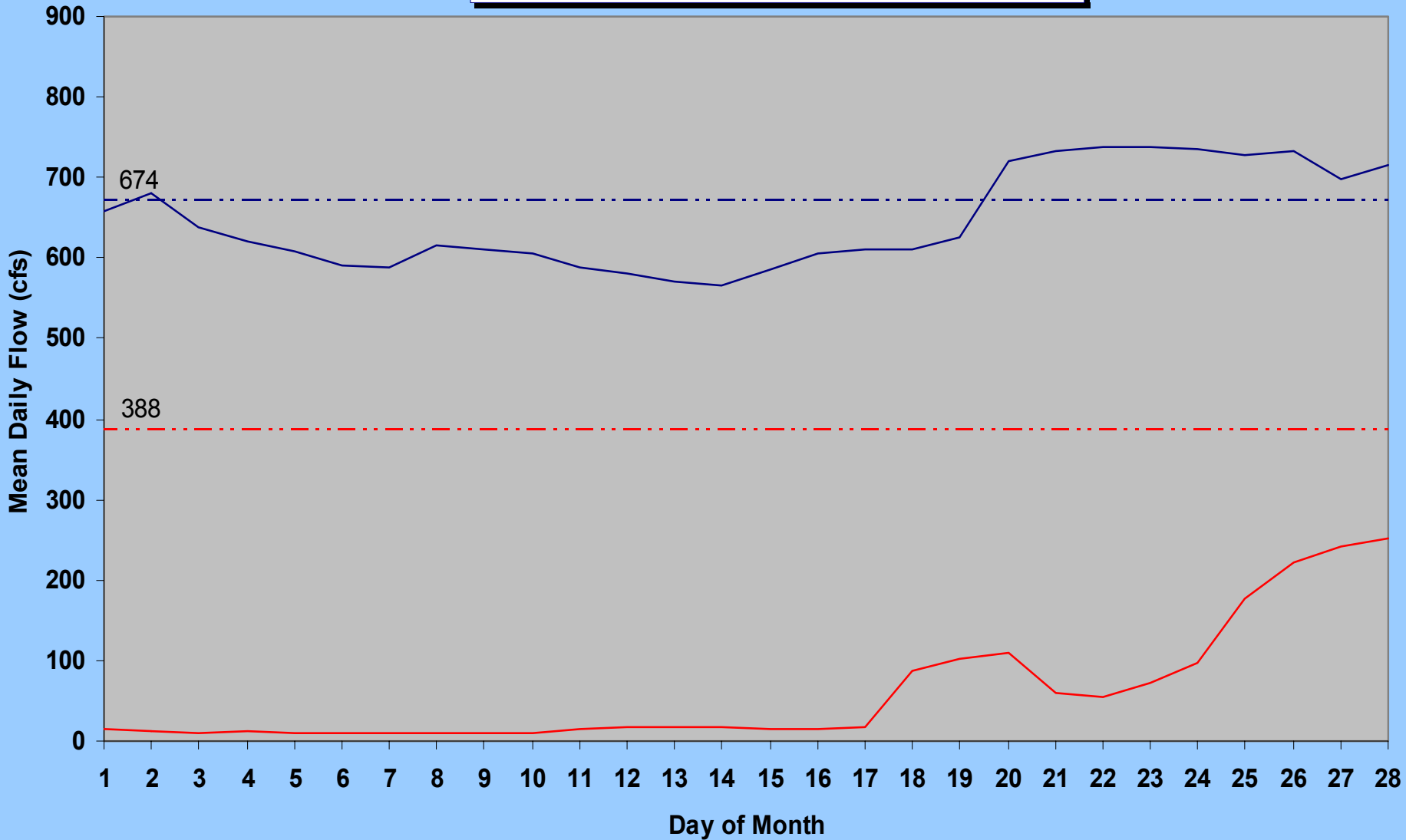
# SOUTH PLATTE RIVER FEBRUARY 2005



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

# KERSEY and BALZAC

## FEBRUARY 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

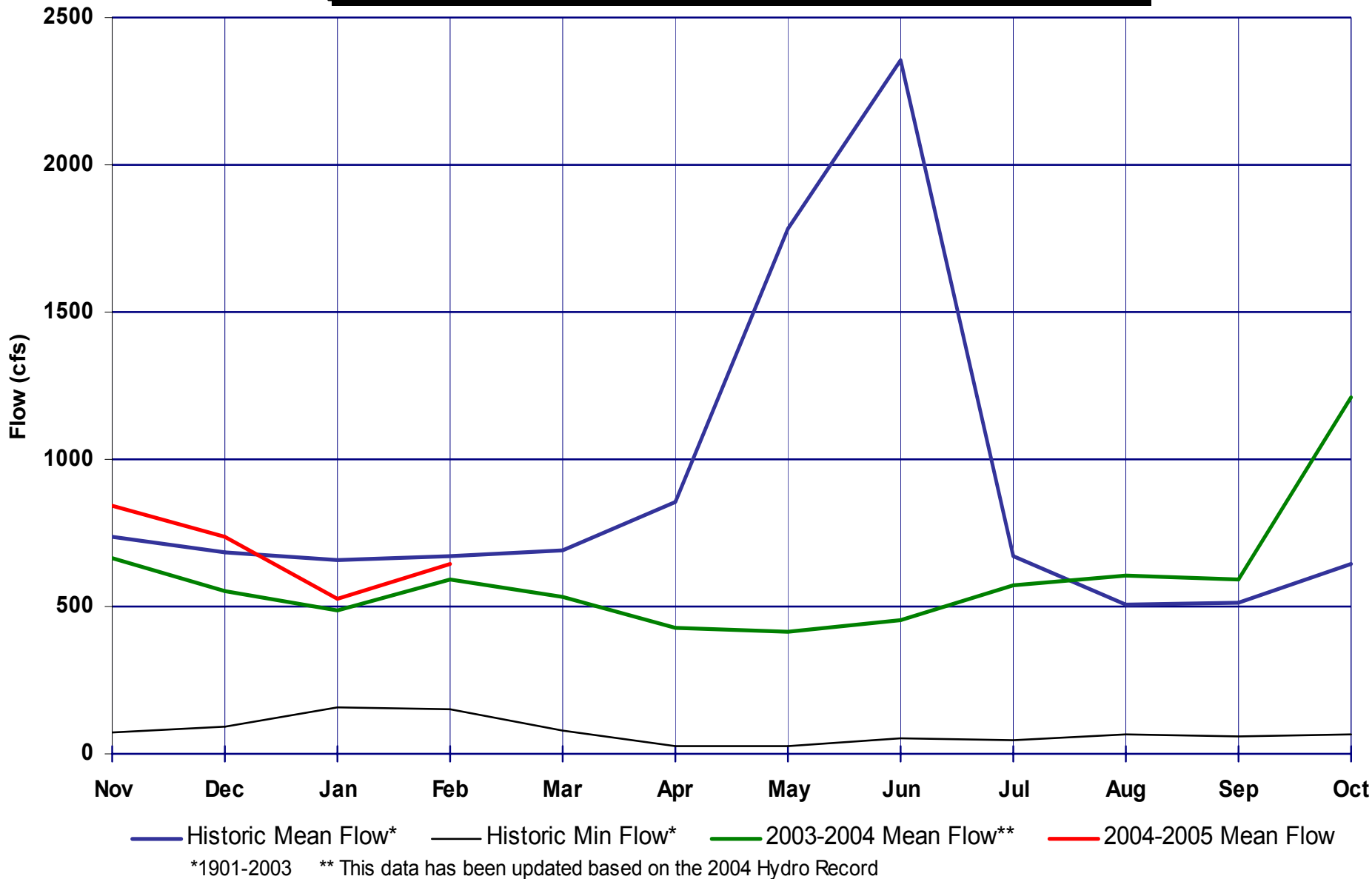
	Historic* Mean Flow	Historic* Max Flow	Year	Historic* Min Flow	Year	IY 2005 Mean Monthly Flow	Estimated Mean? (Y/N)		Historic* Mean Flow	Historic* Max Flow	Year	Historic* Min Flow	Year	IY 2005 Mean Monthly Flow	Estimated Mean? (Y/N)
Nov	736	3650	1985	70	1935	839	N	Nov	350	2900	1985	4.2	1904	28	N
Dec	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			Mar	550	12900	1910	0.83	2004		
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 \*\*Values have been corrected

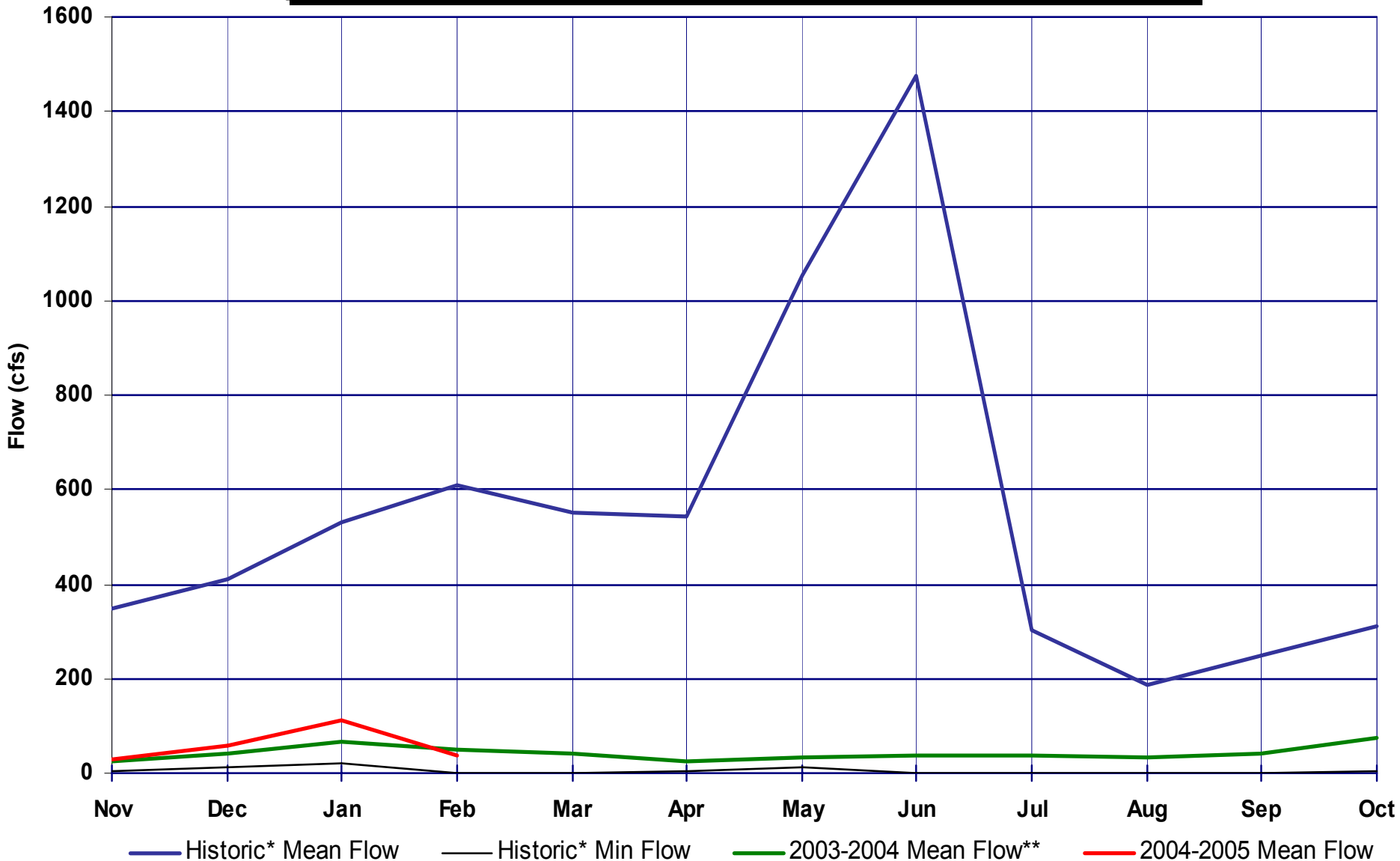
# South Platte River at Kersey

Irrigation Water Year



# South Platte River at Julesburg

Irrigation Water Year



\*1902-2003

\*\* This data has been updated based on the 2004 Hydro Record



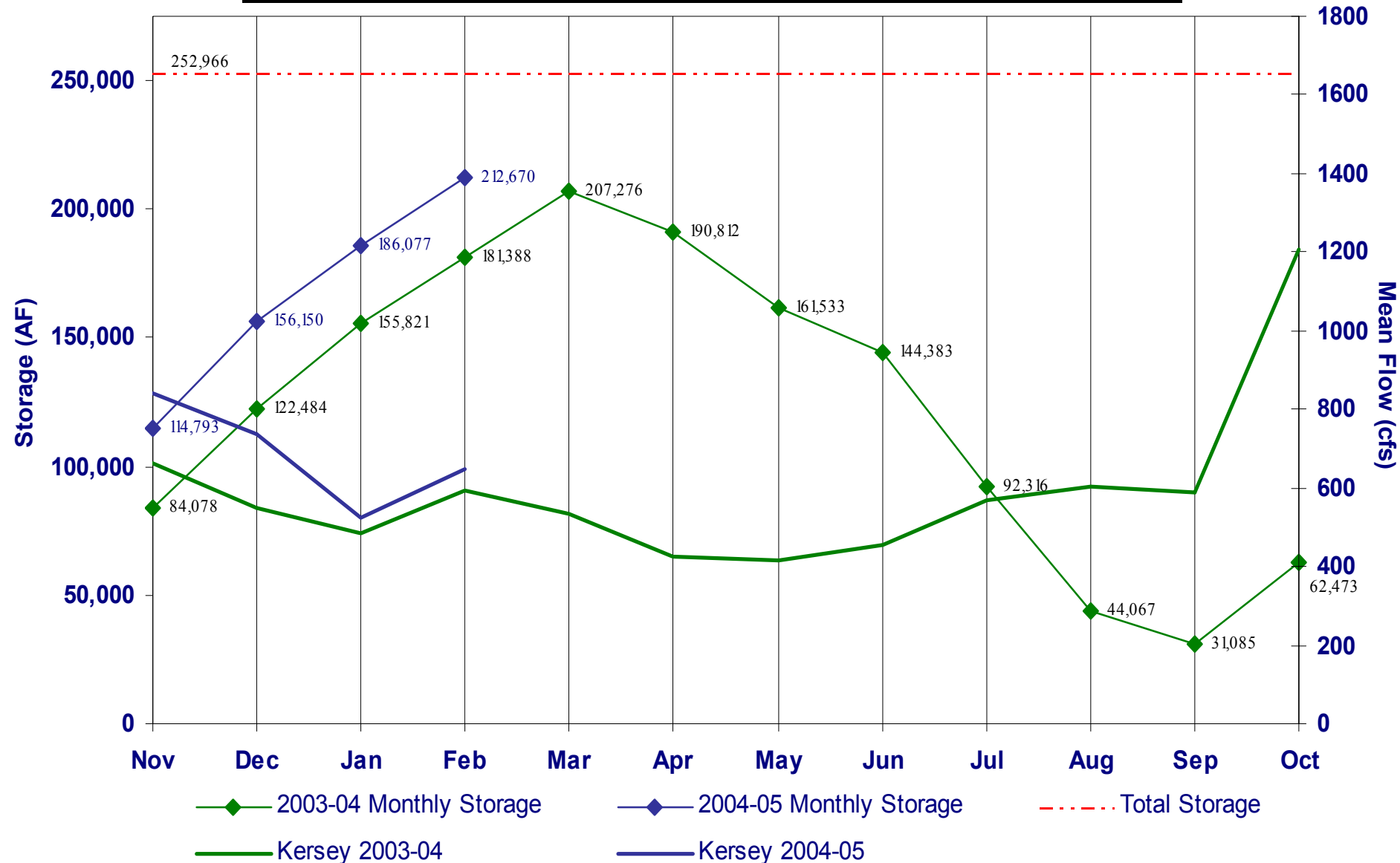


**Next four slides show  
Reservoir Storage  
below and above Kersey**

**Lost Lake**

# Reservoir Storage below Kersey

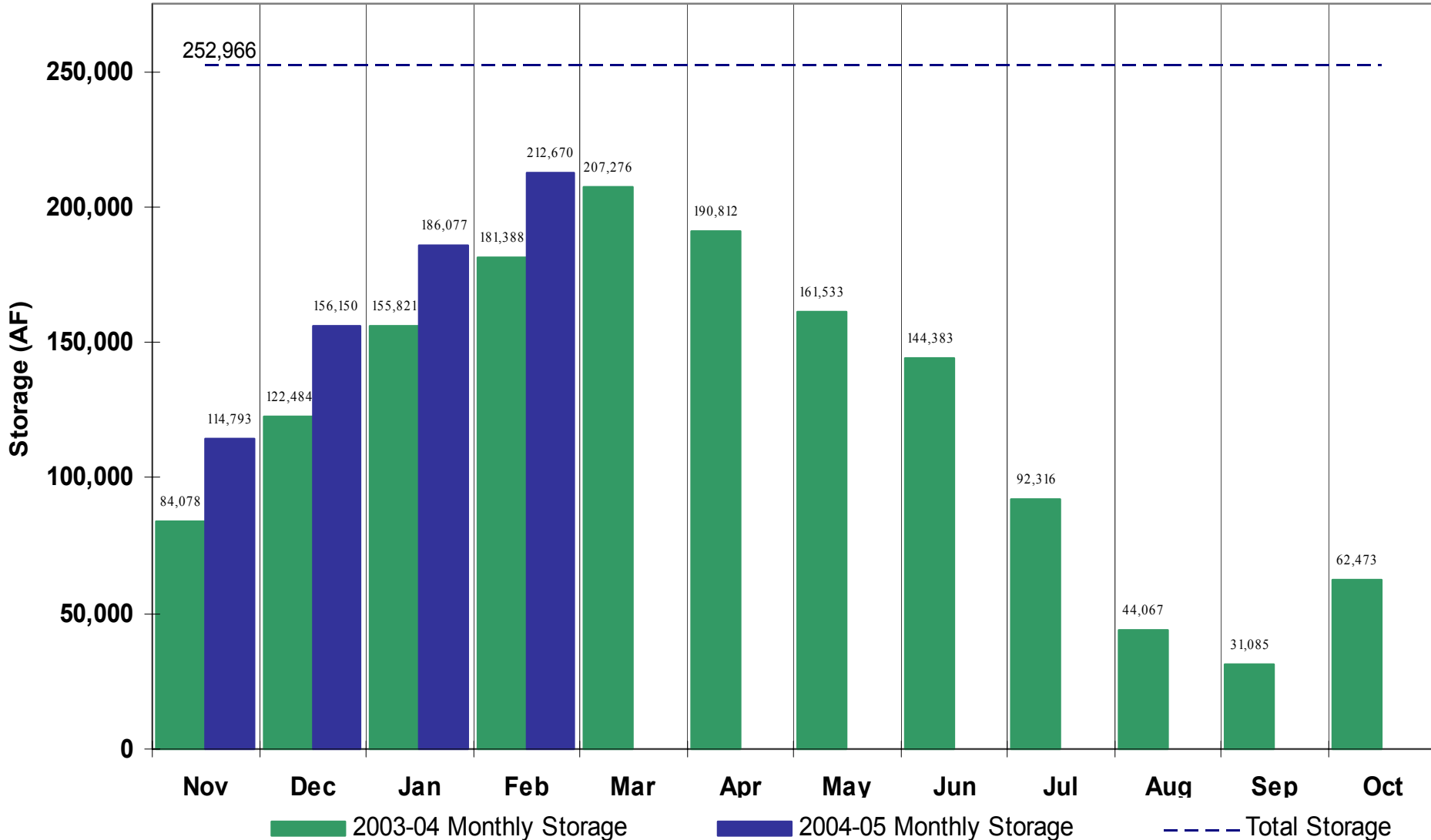
Selected Reservoirs\*



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

# South Platte Reservoirs

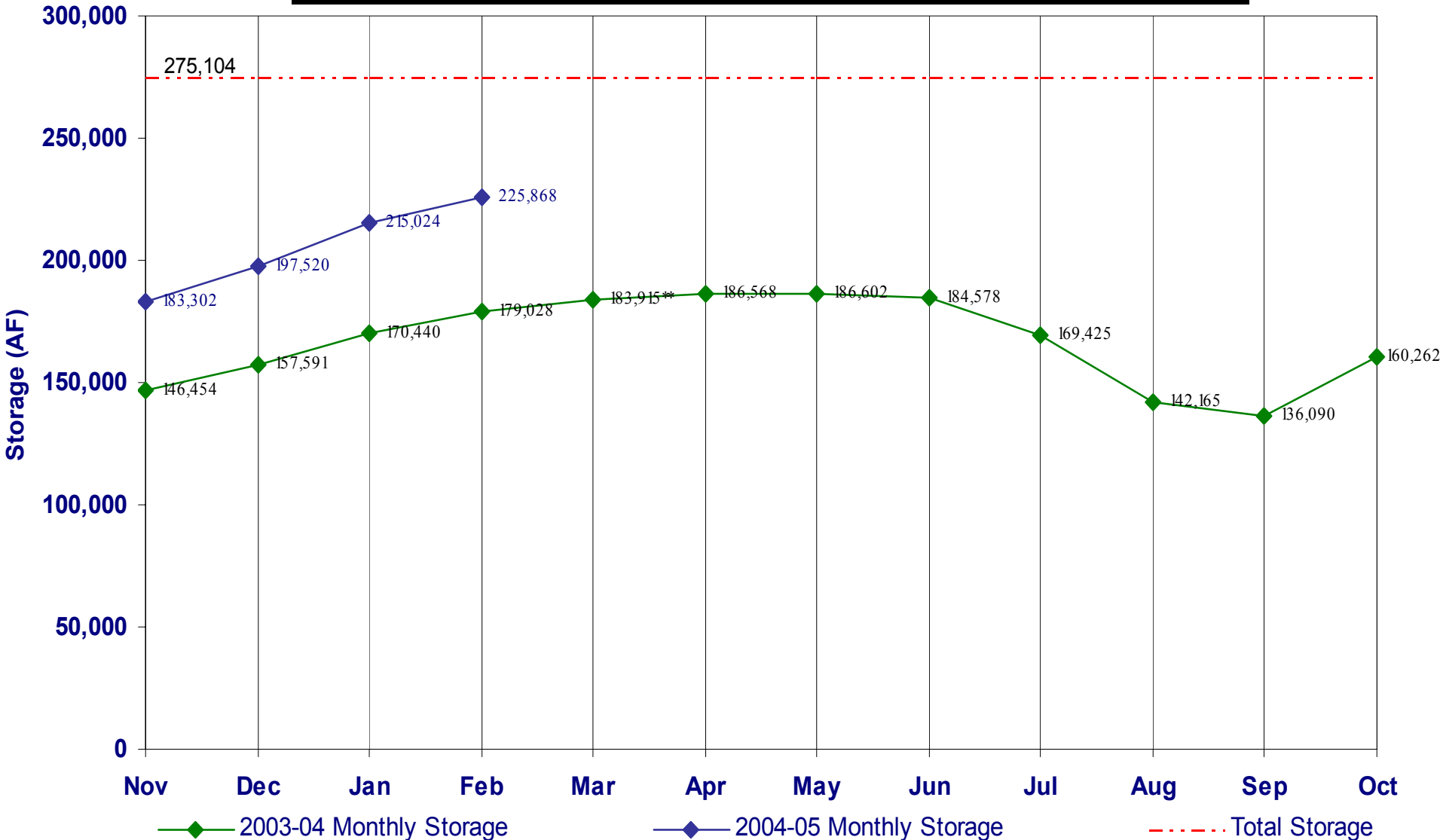
## Storage below Kersey\*



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

# Reservoir Storage above Kersey

Selected Reservoirs\*

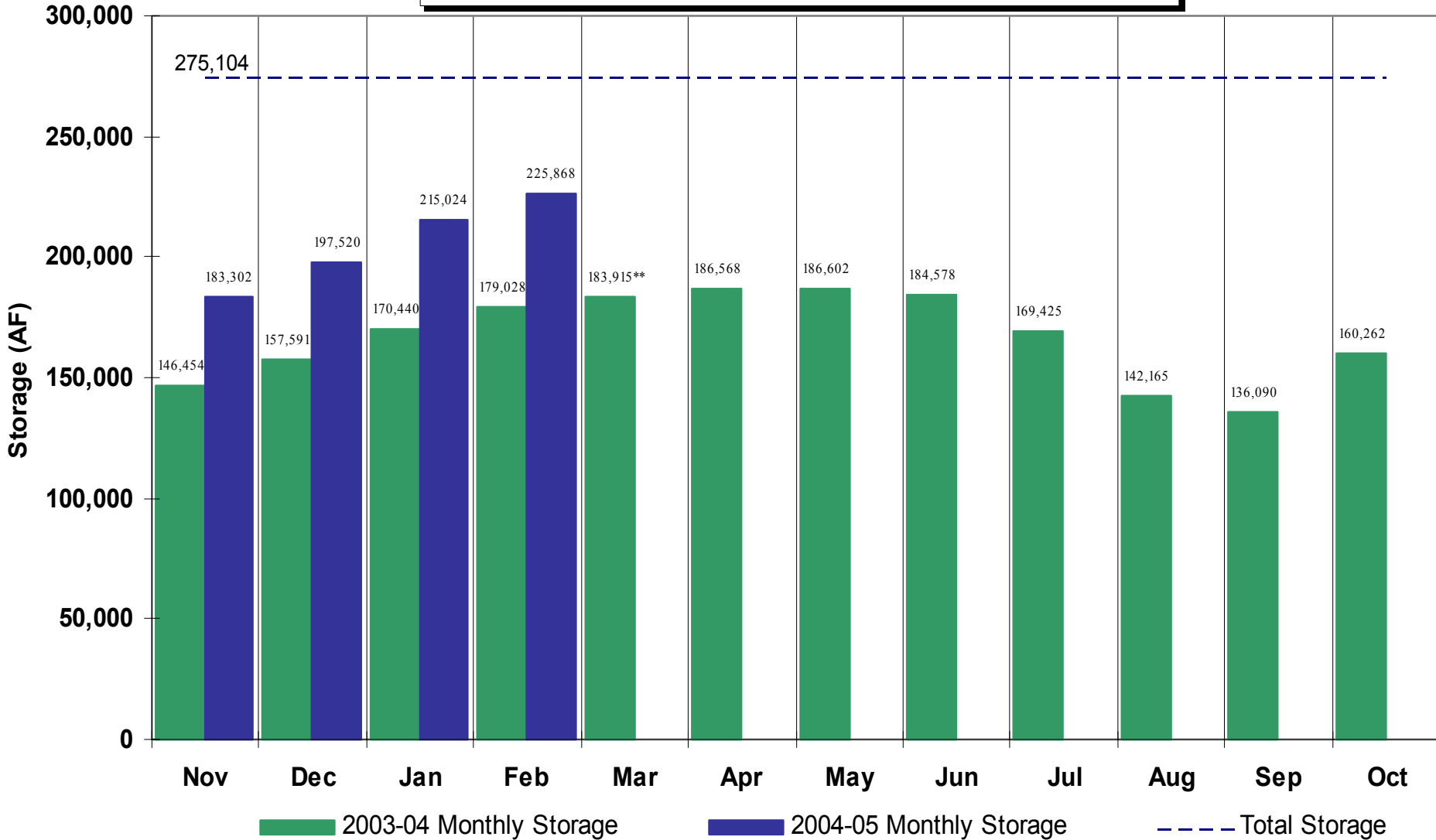


\*Barr, Cobb, Fossil Crk, Halligan, Marshall, Milton, Union, Standley, Lower Latham, Boyd, Loveland, Windsor, Horse Crk, & Prospect

\*\* This value was corrected; there was a typo in the Boyd Lake March 2004 value.

# South Platte Reservoirs

## Storage above Kersey\*



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

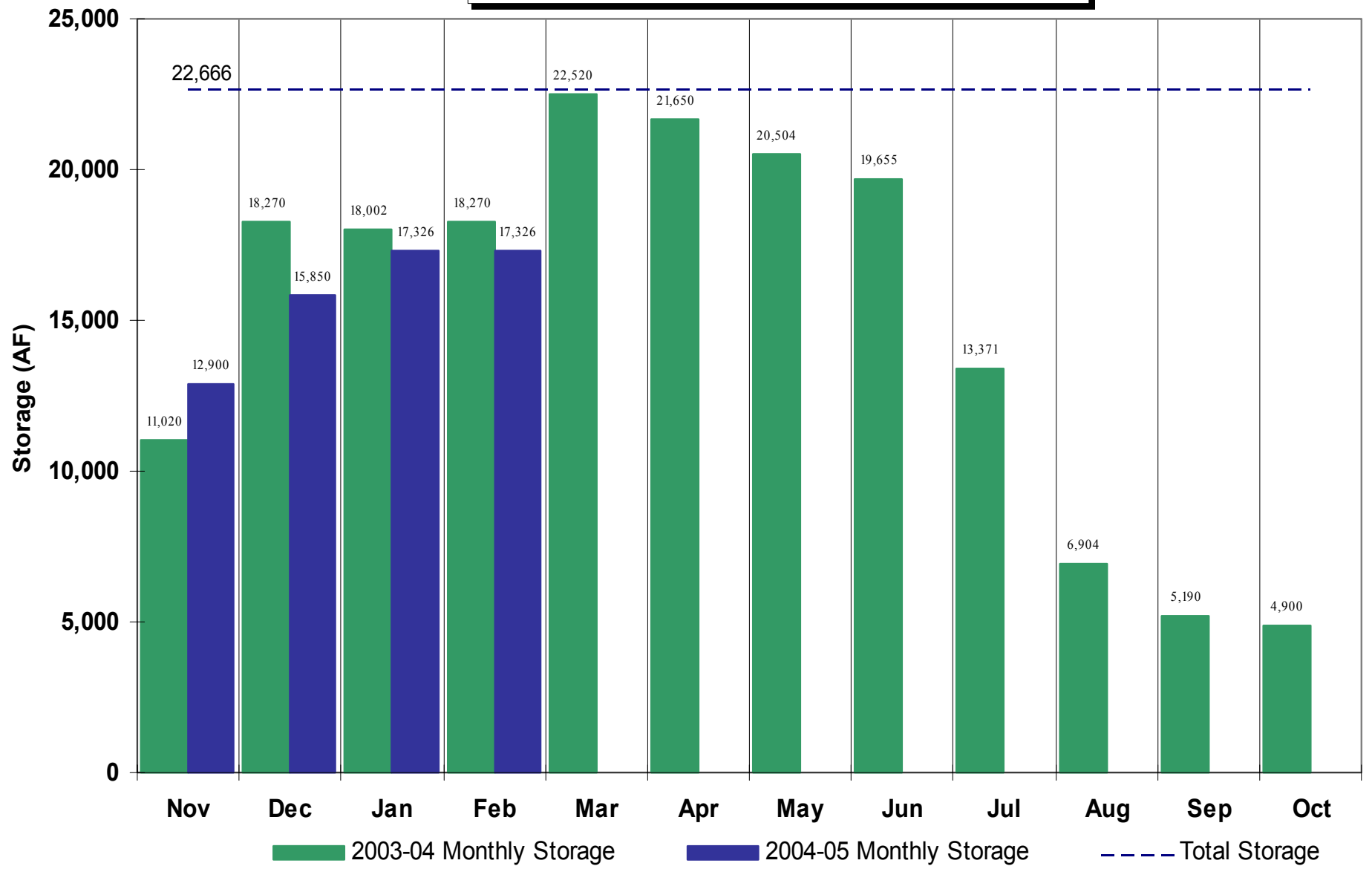
\*\* This value was corrected; there was a typo in the Boyd Lake March 2004 value.



**Individual Reservoir Storage Follows**

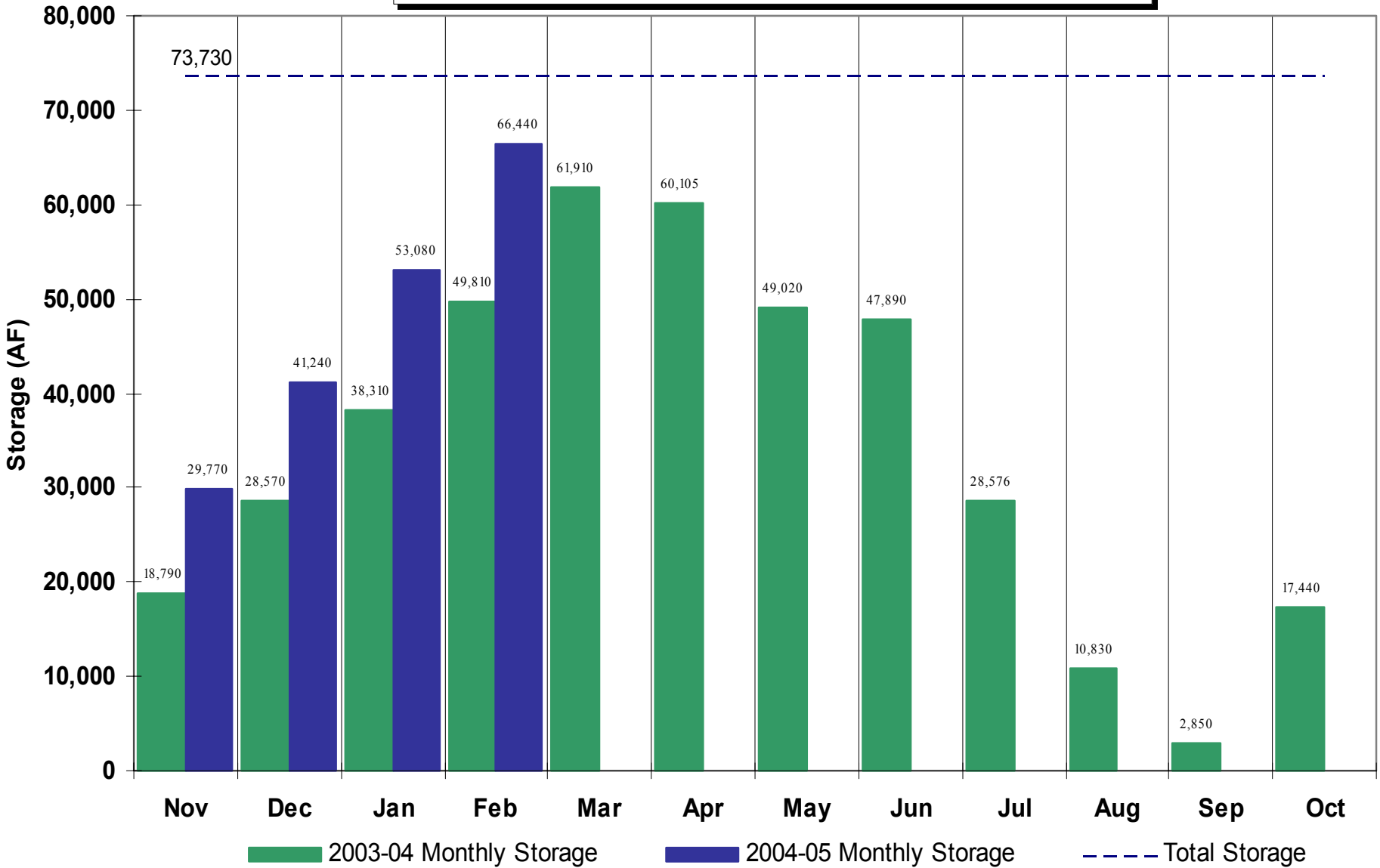
# Julesburg Reservoir

(Agricultural)



# North Sterling Reservoir

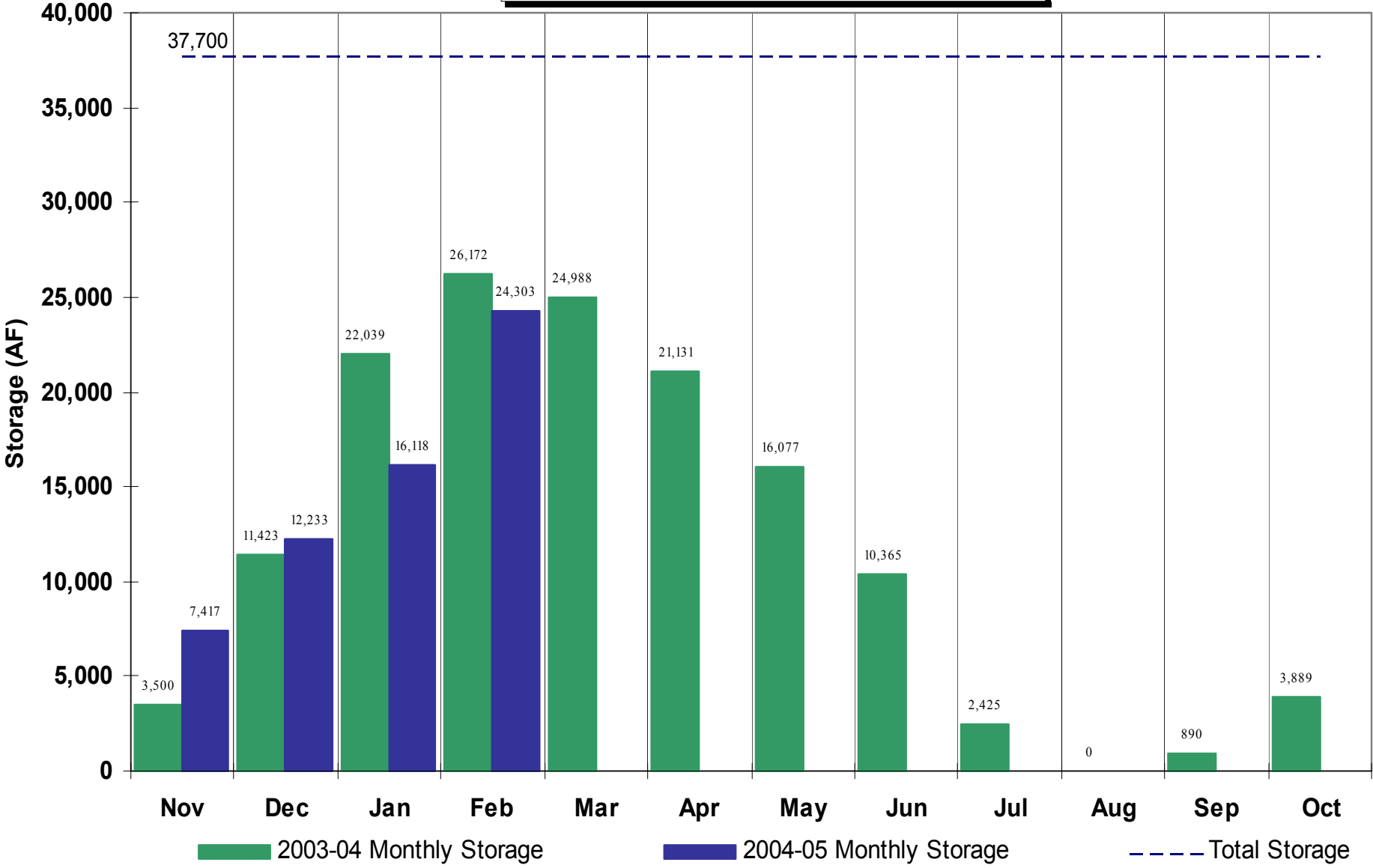
## (Agricultural)





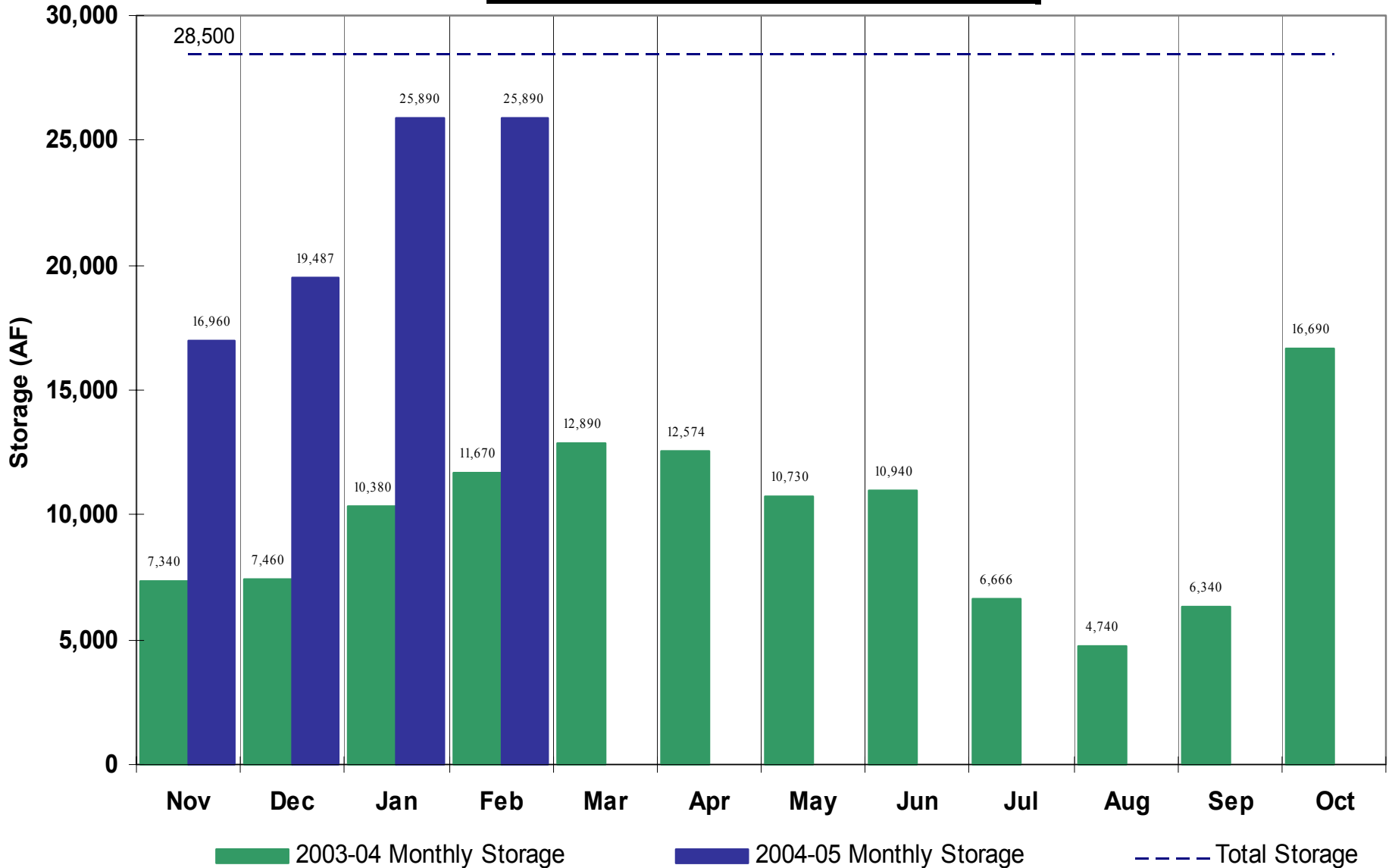
# Empire Reservoir

(Agricultural)



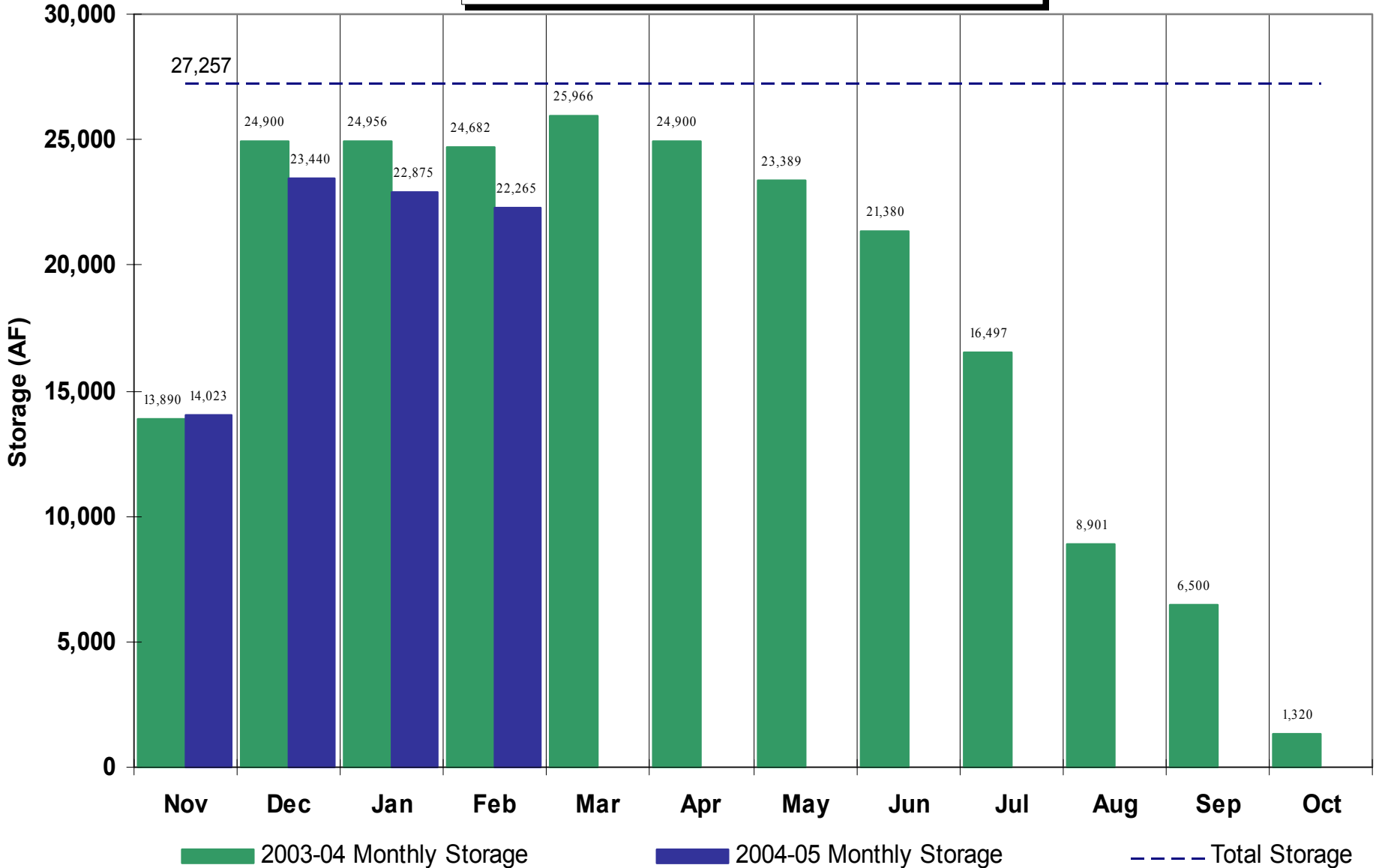
# Prewitt Reservoir

(Agricultural)



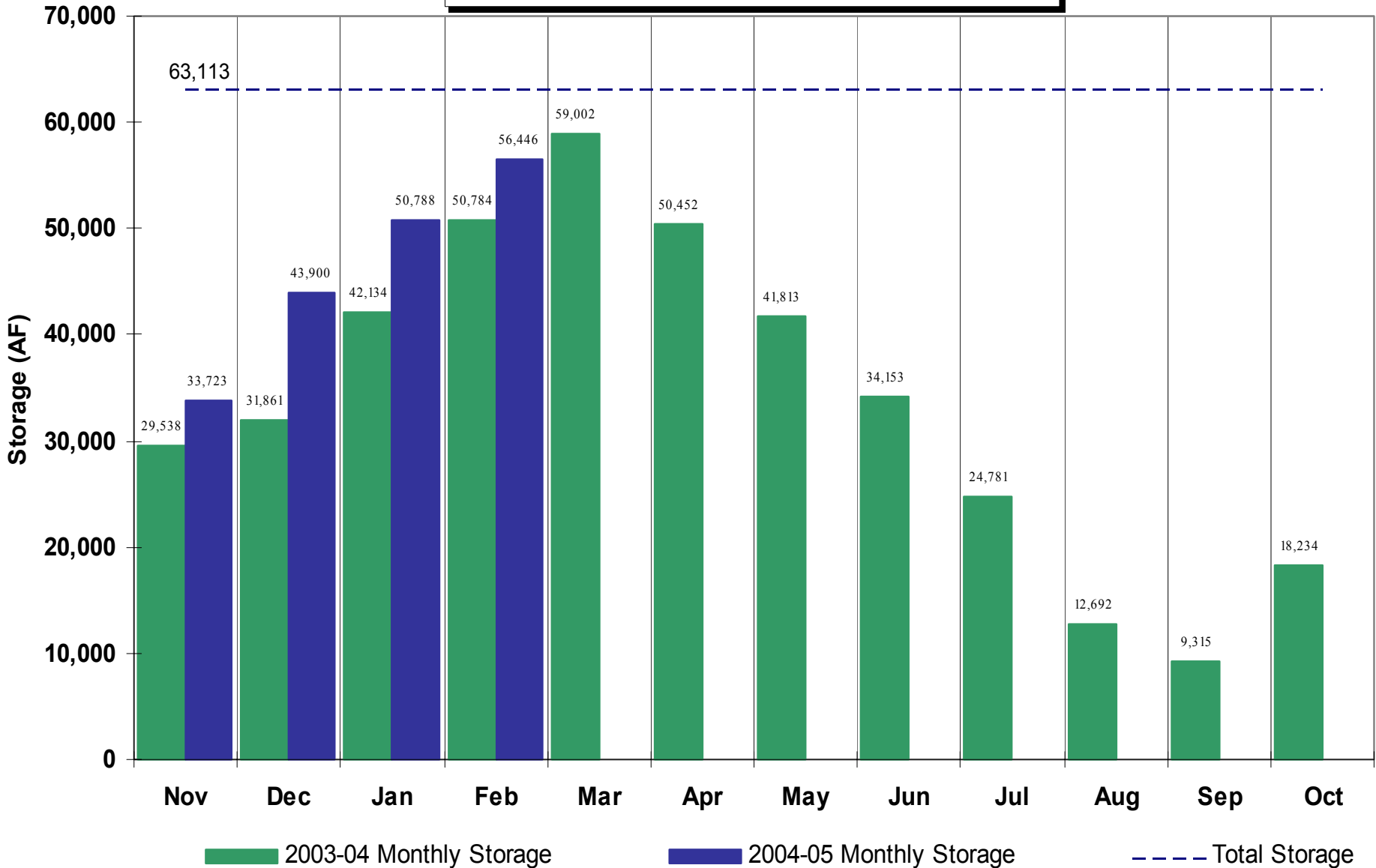
# Jackson Reservoir

(Agricultural)



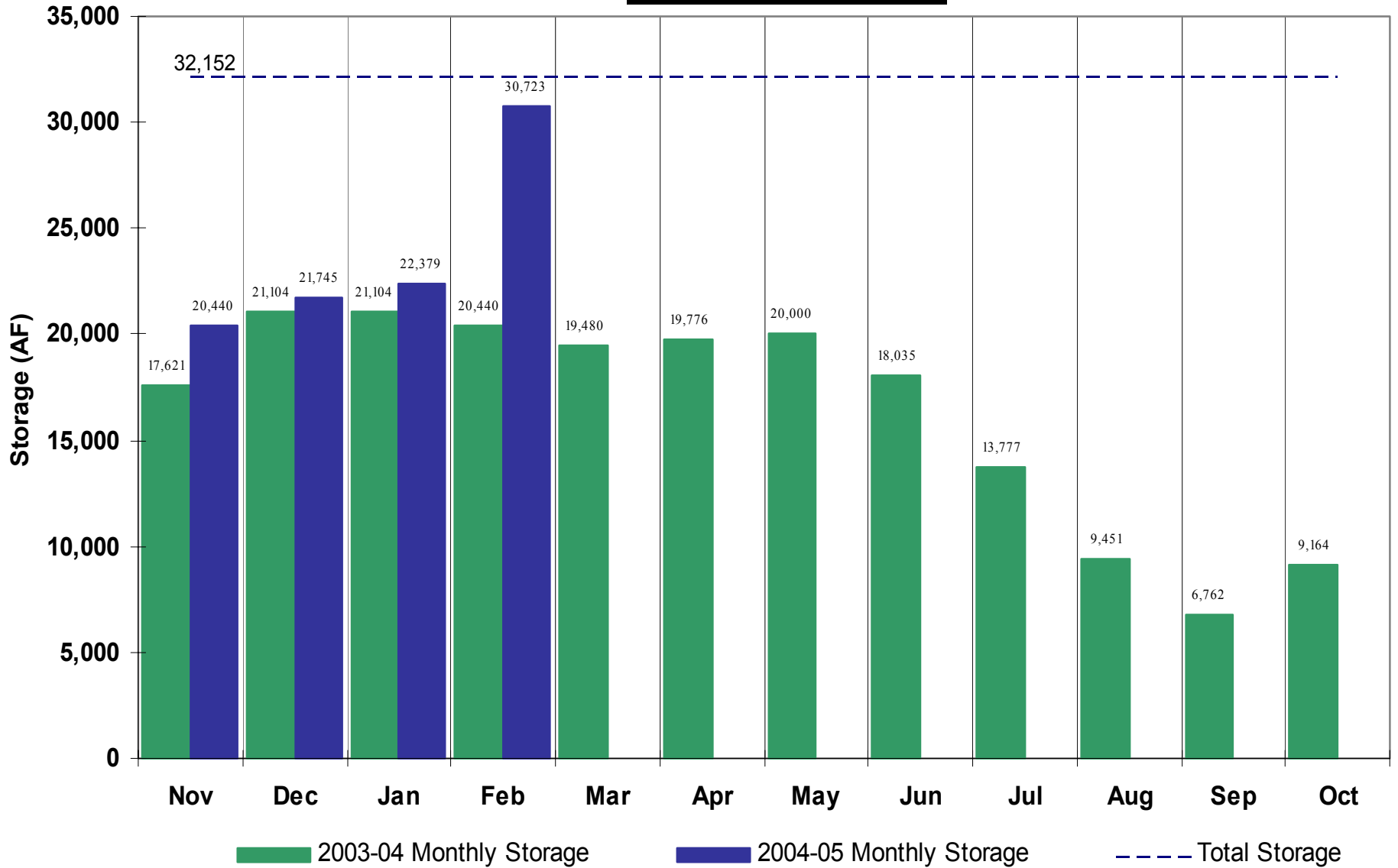
# Riverside Reservoir

(Agricultural)



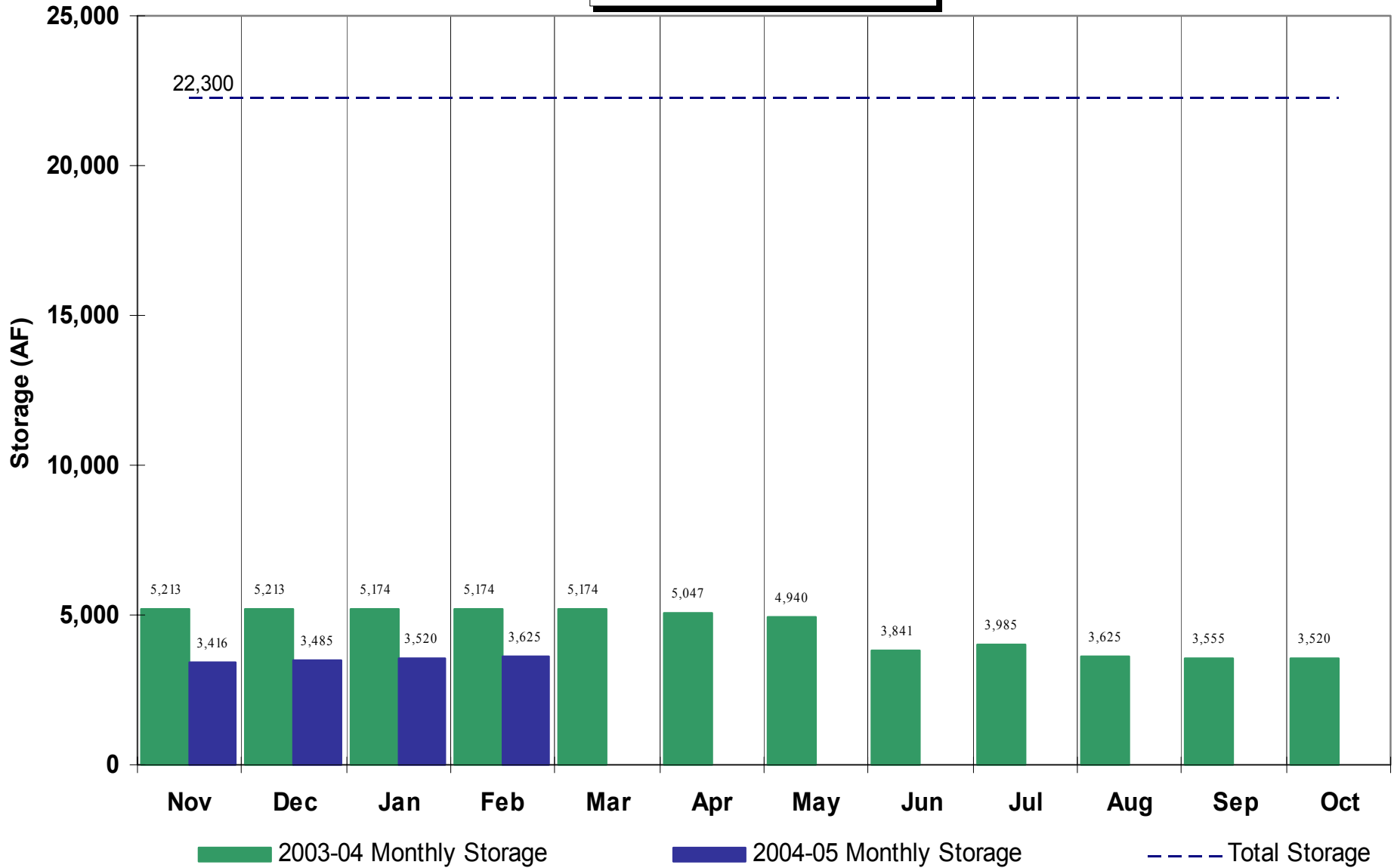
# Barr Lake

(Agricultural)



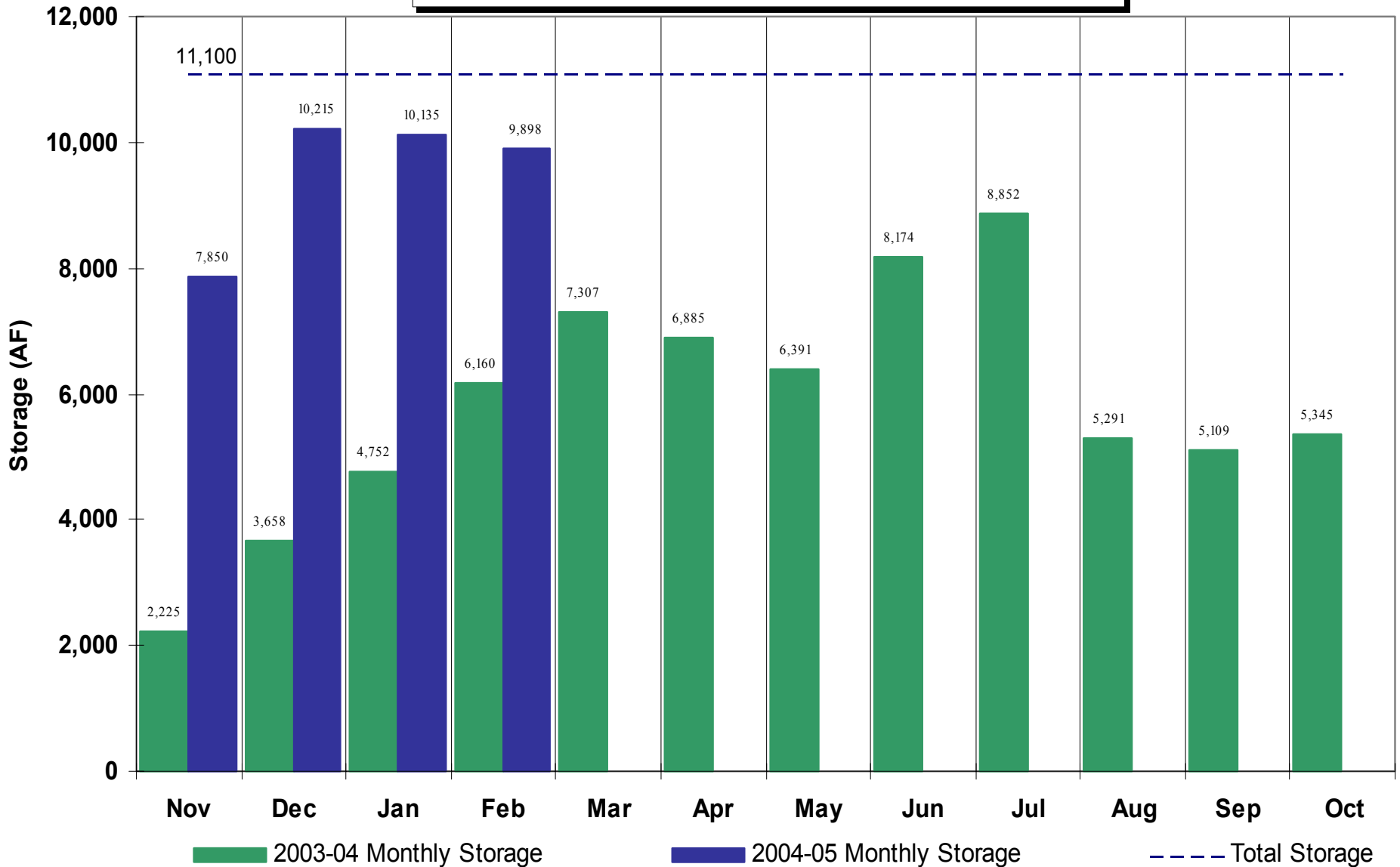
# Cobb Lake

(Agricultural)



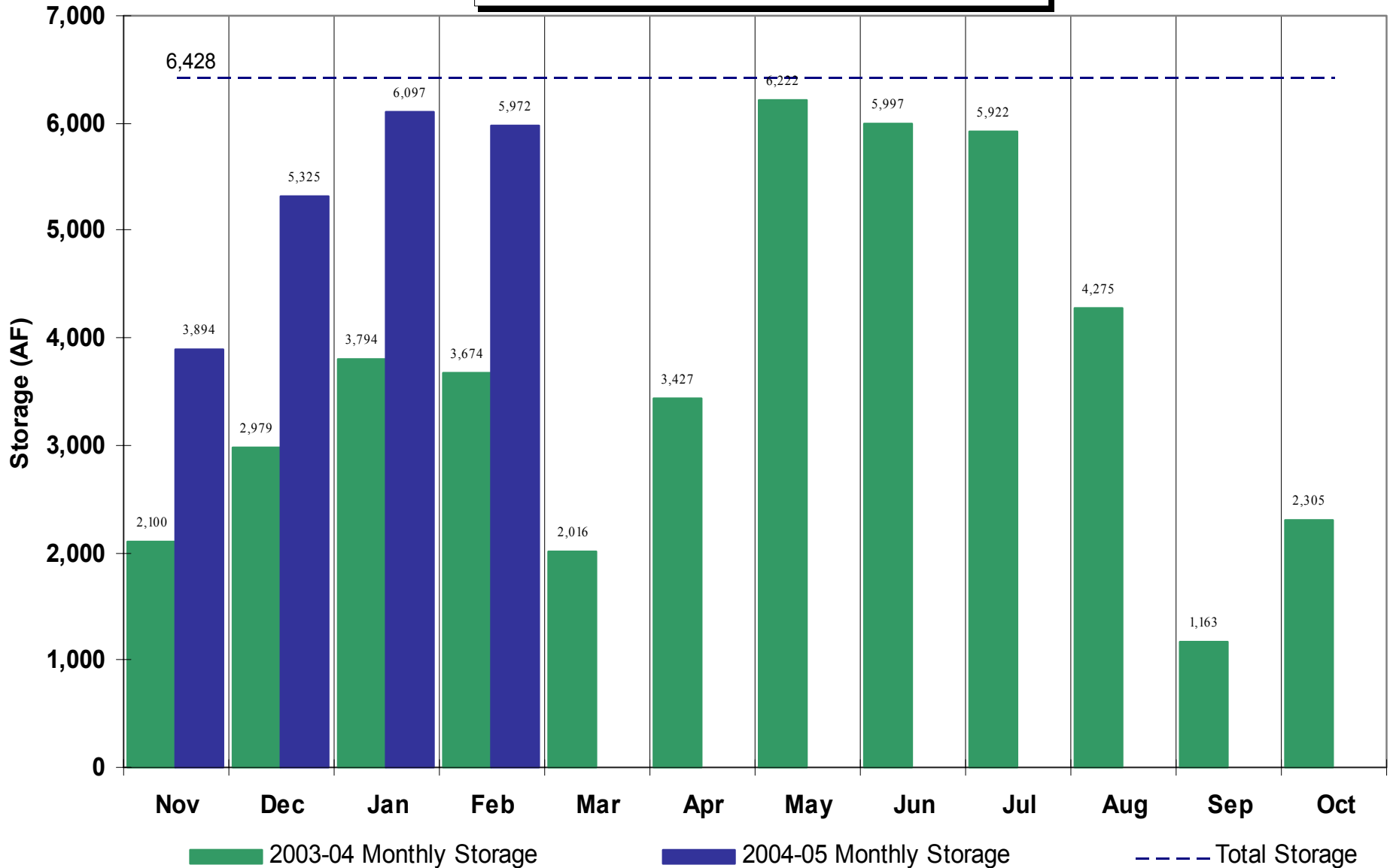
# Fossil Creek Reservoir

(Agricultural)



# Halligan Reservoir

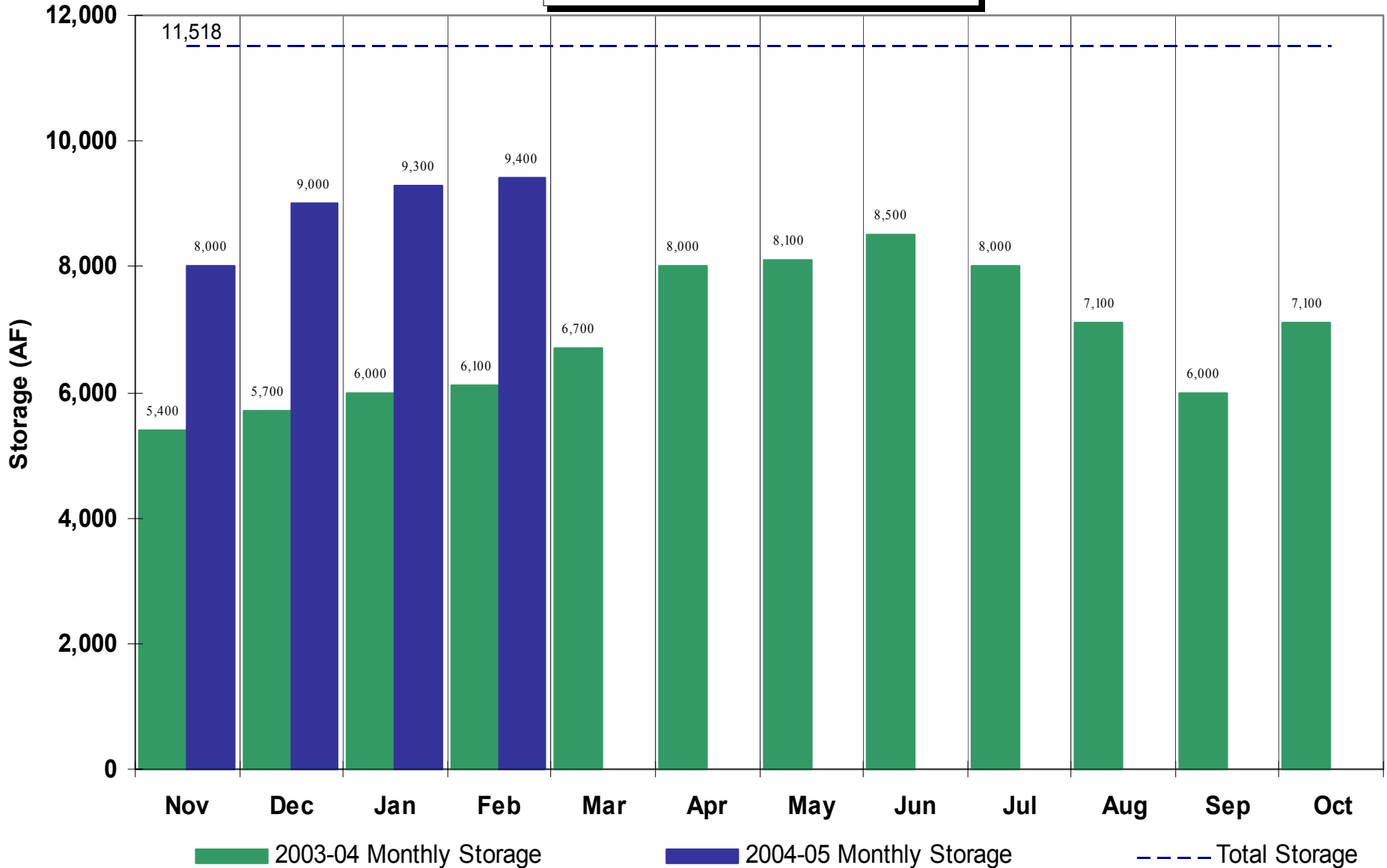
(Agricultural)





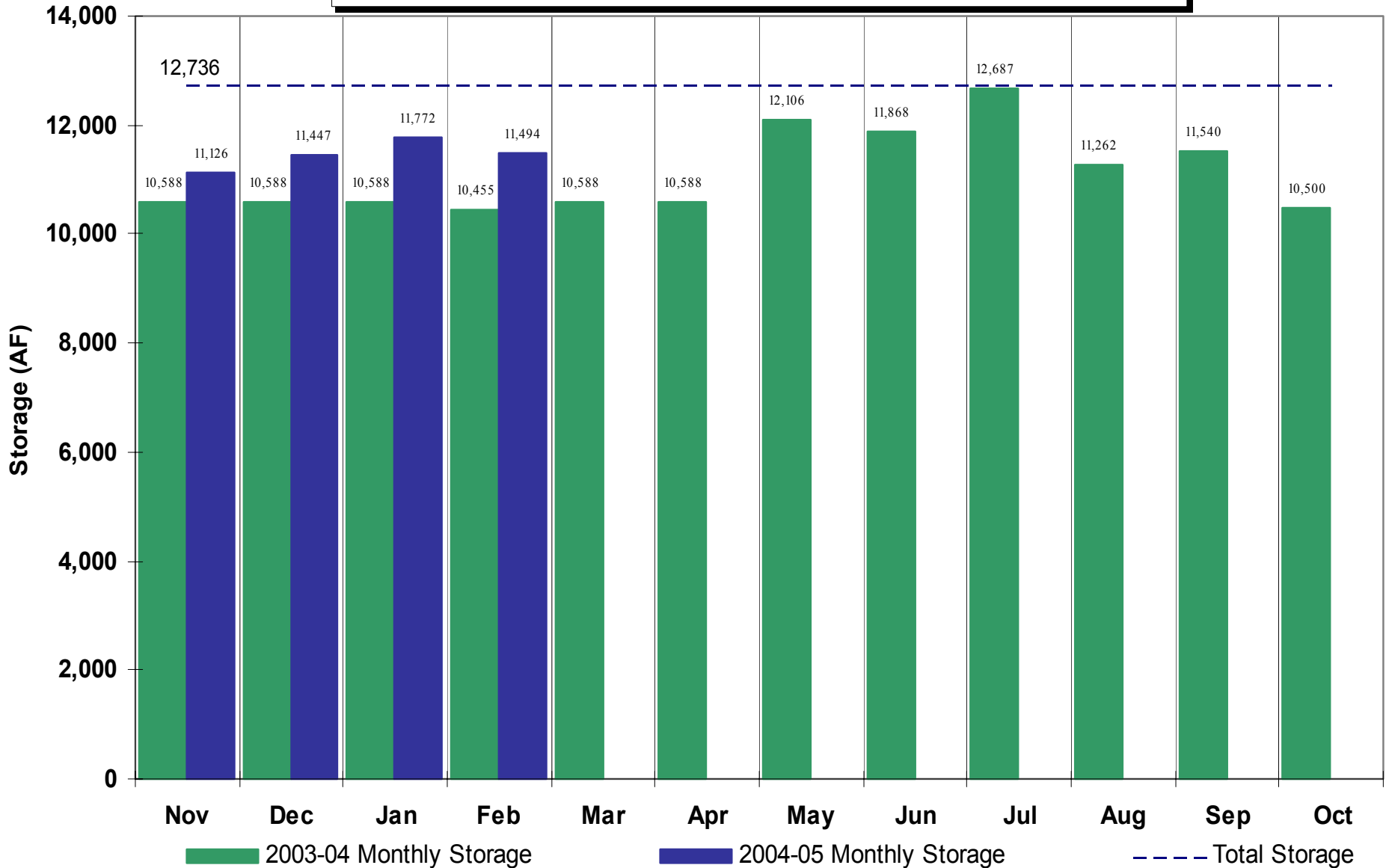
# Marshall Lake

(Agricultural)



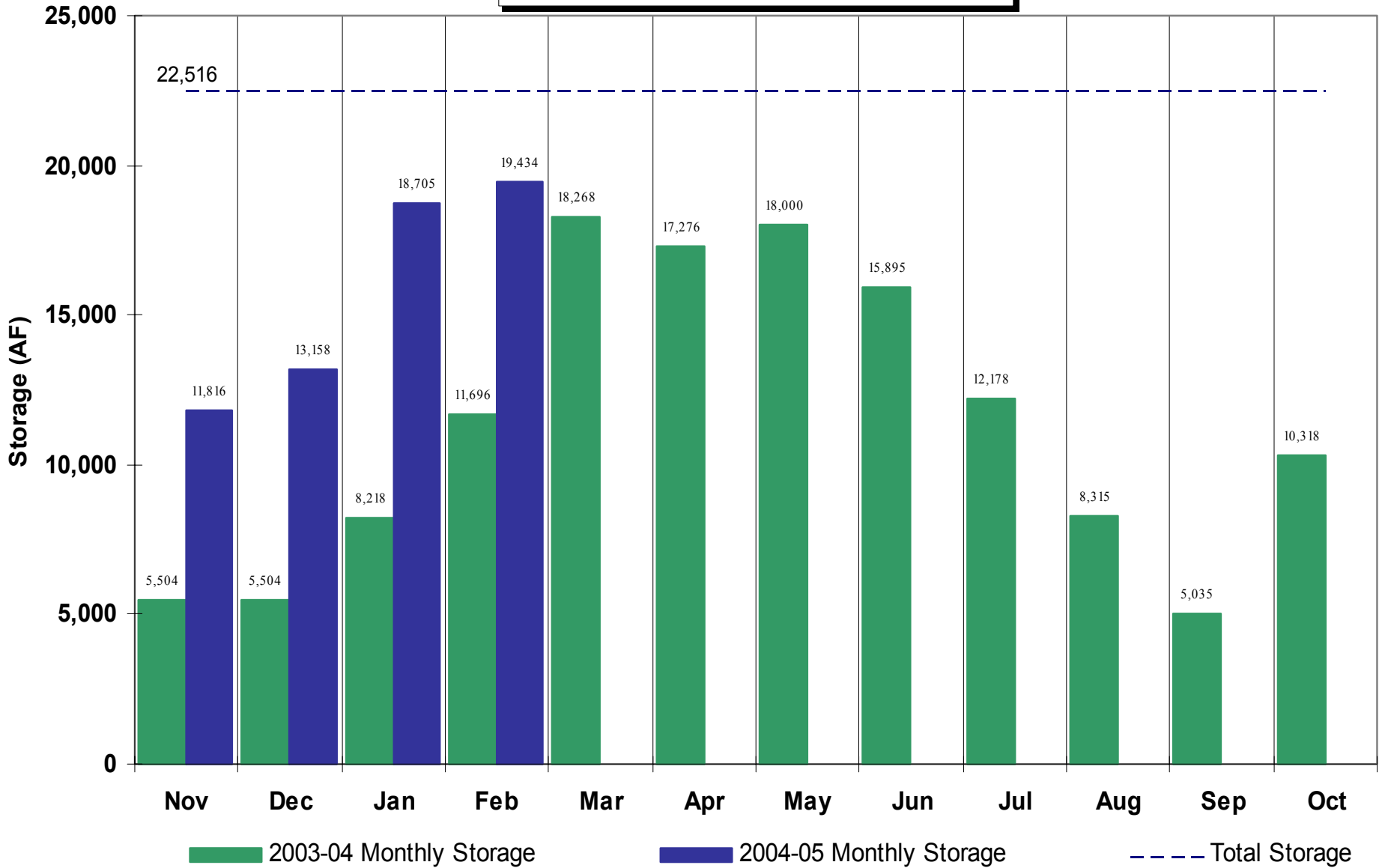
# Loveland Greeley Reservoir

(Agricultural)



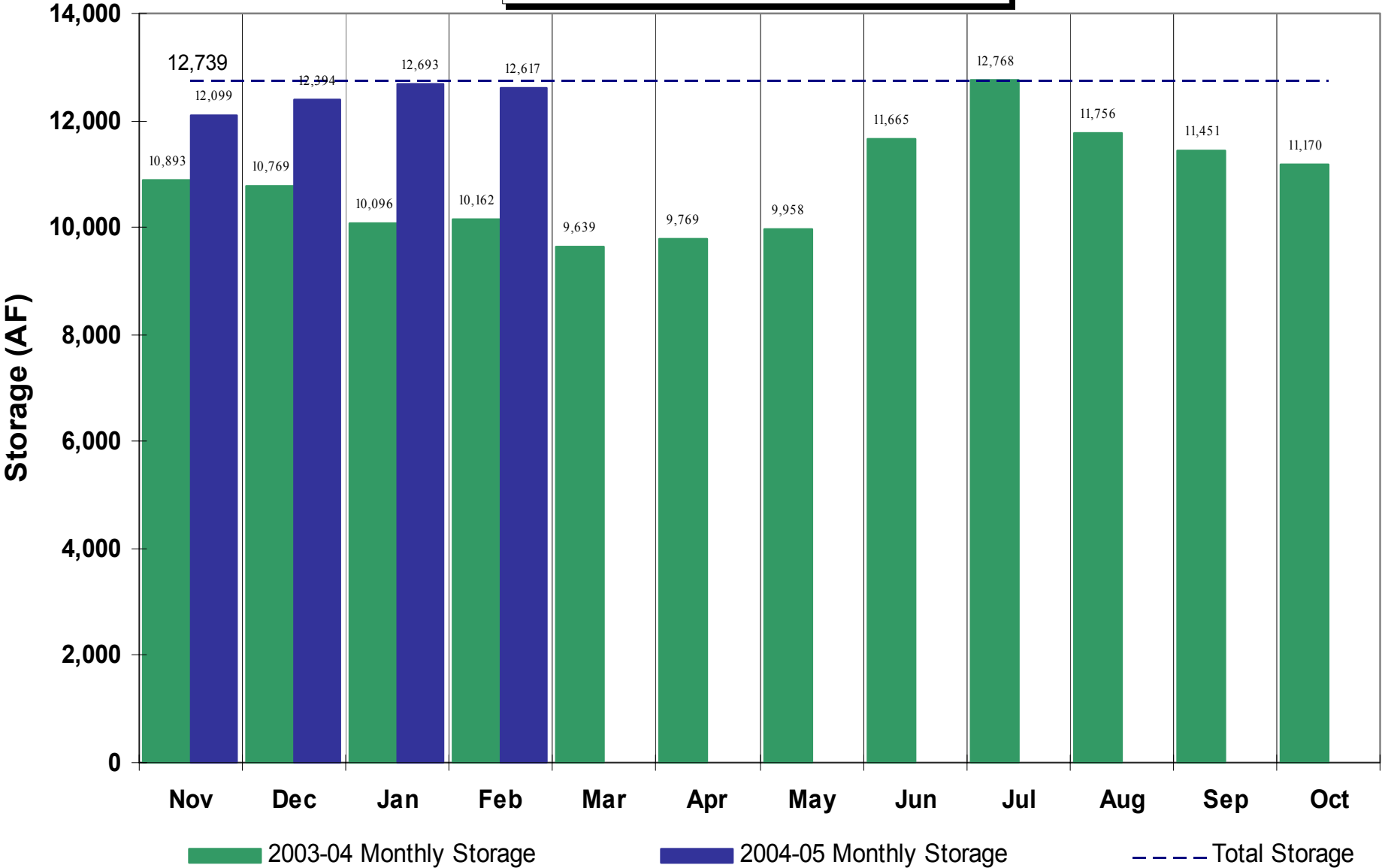
# Milton Reservoir

(Agricultural)

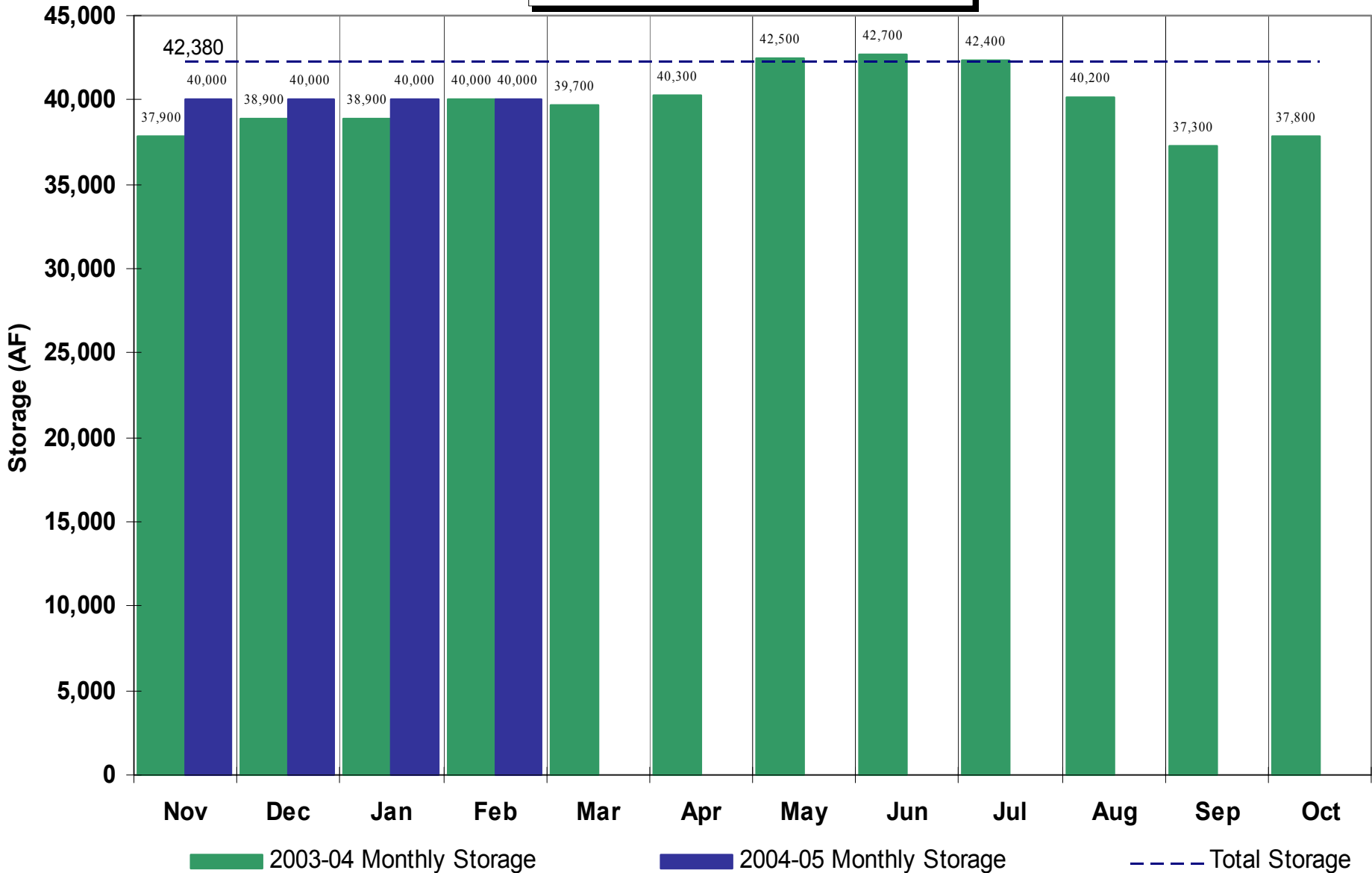


# Union Reservoir

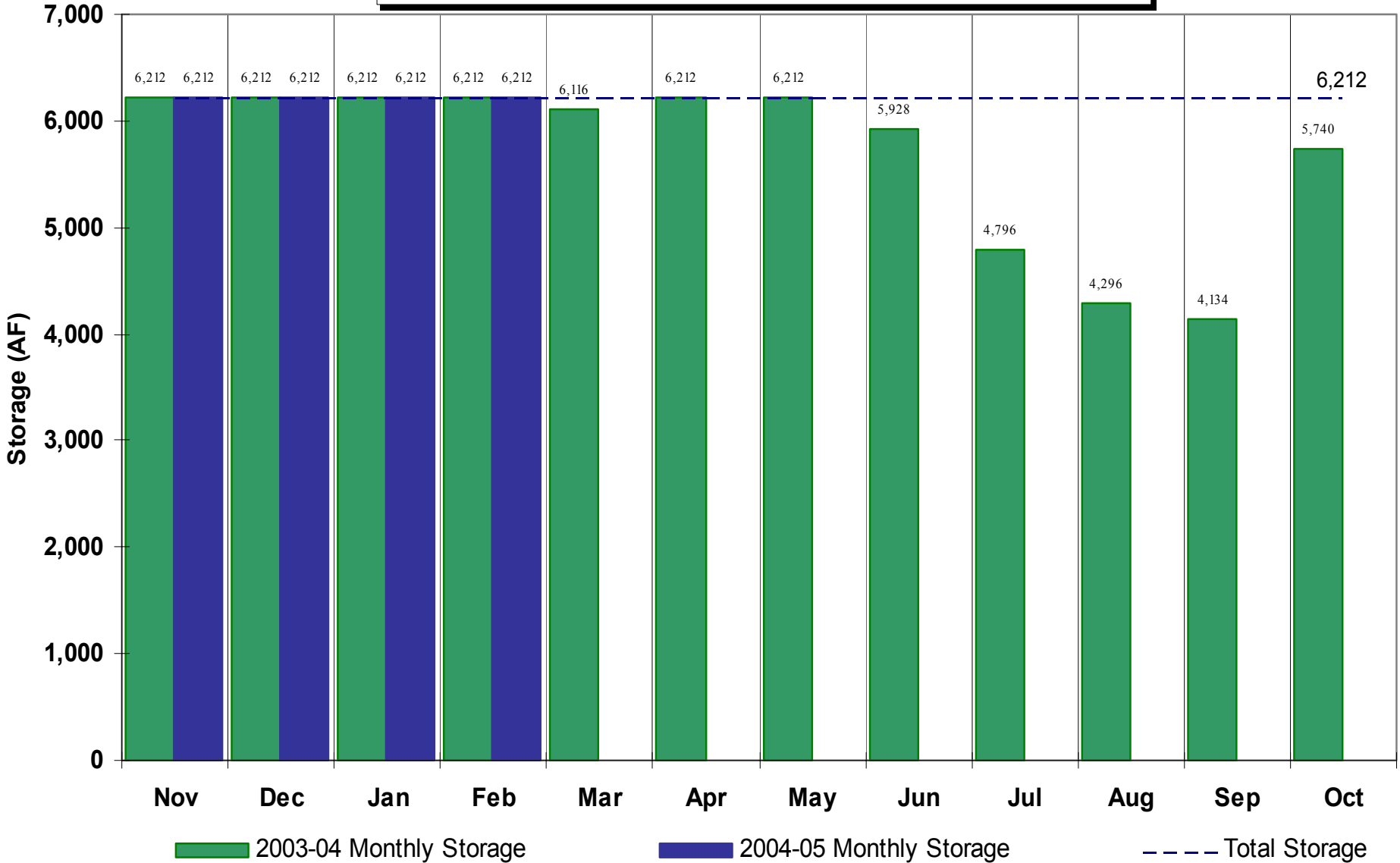
(Agricultural)



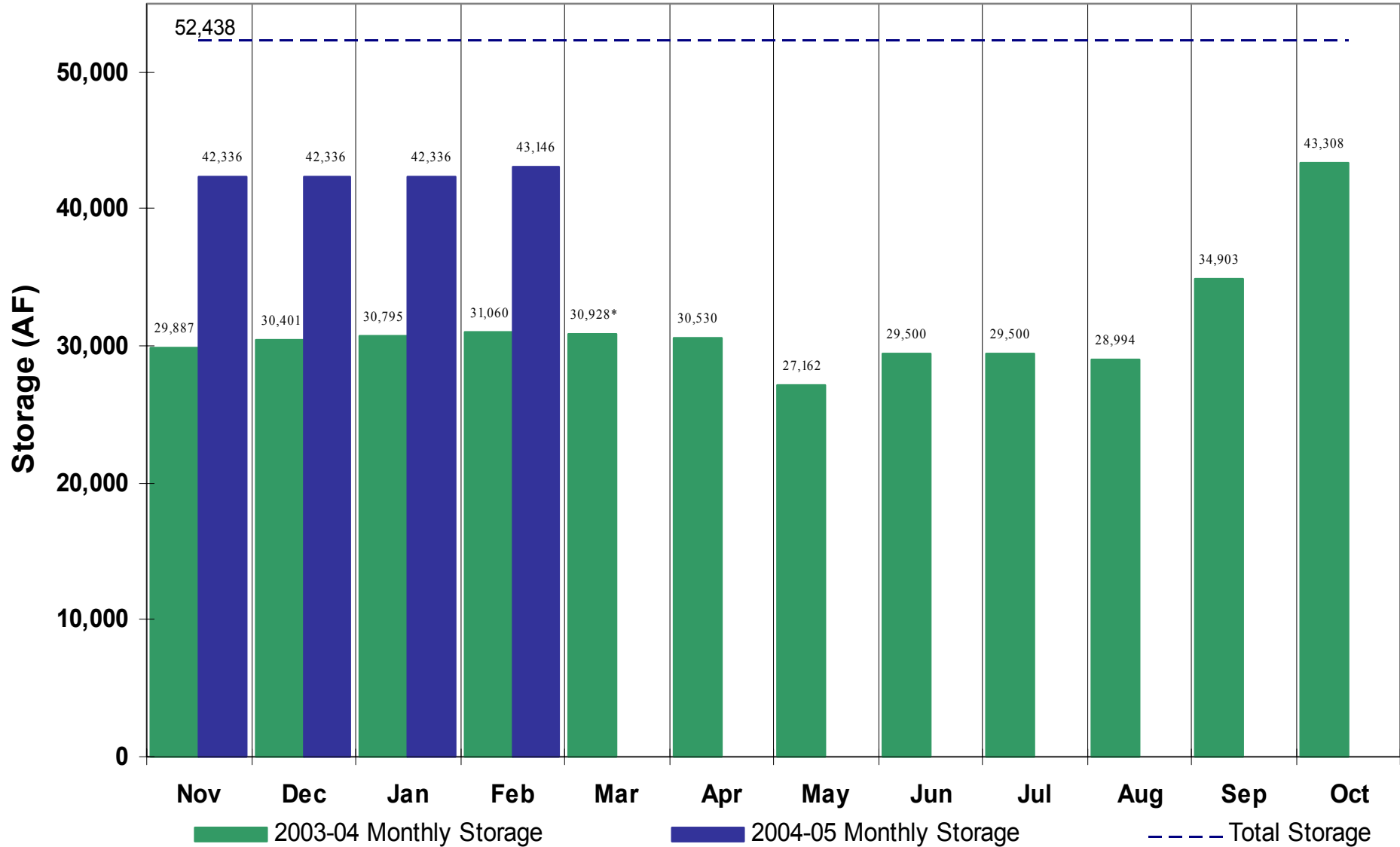
# Standley Lake (Agricultural)



# Lower Latham Reservoir (Agricultural)



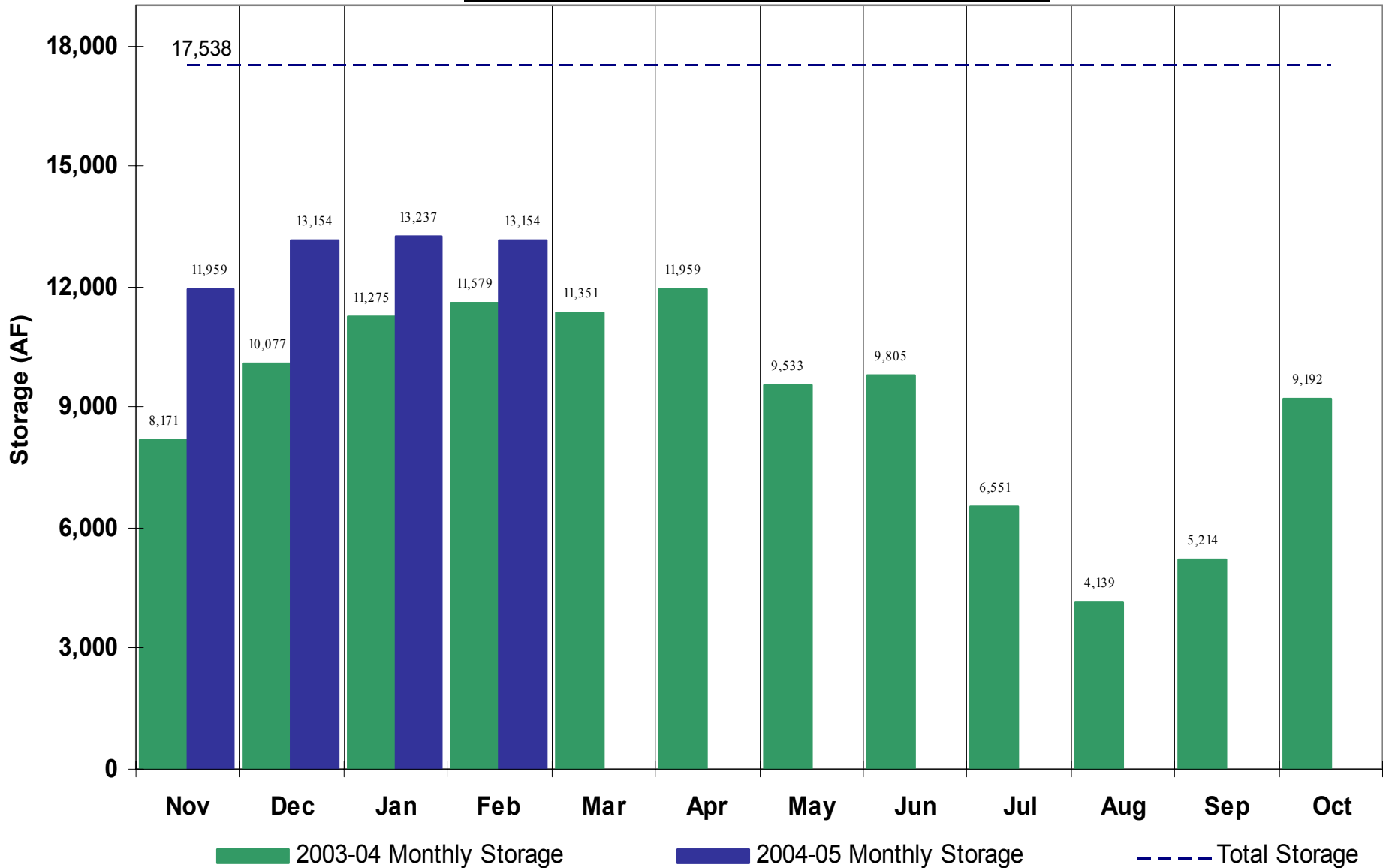
# Boyd Lake (Agricultural)



\* This value was corrected; there was a typo in the March 2004 value.

# Windsor Reservoir

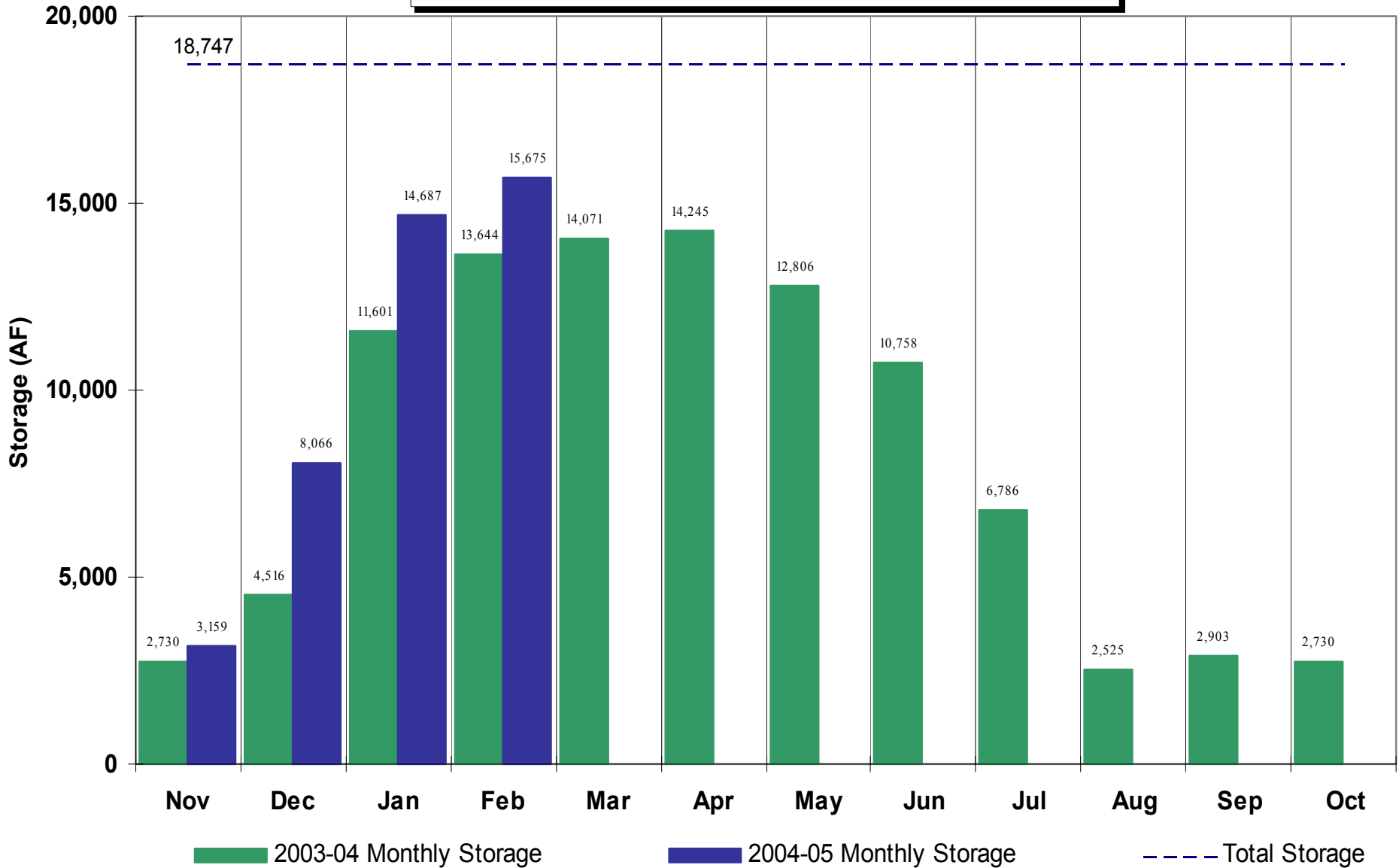
(Agricultural)





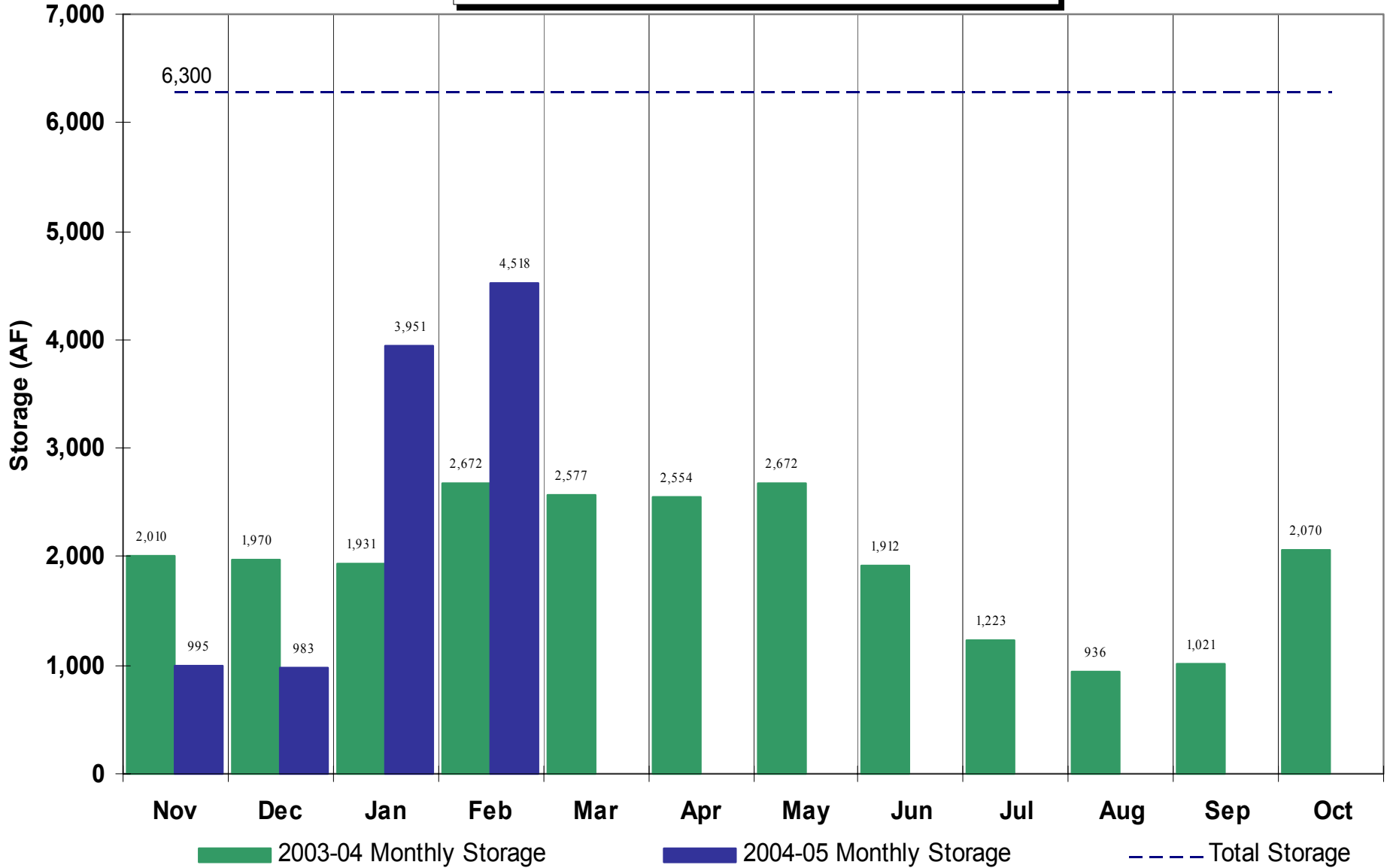
# Horse Creek Reservoir

(Agricultural)



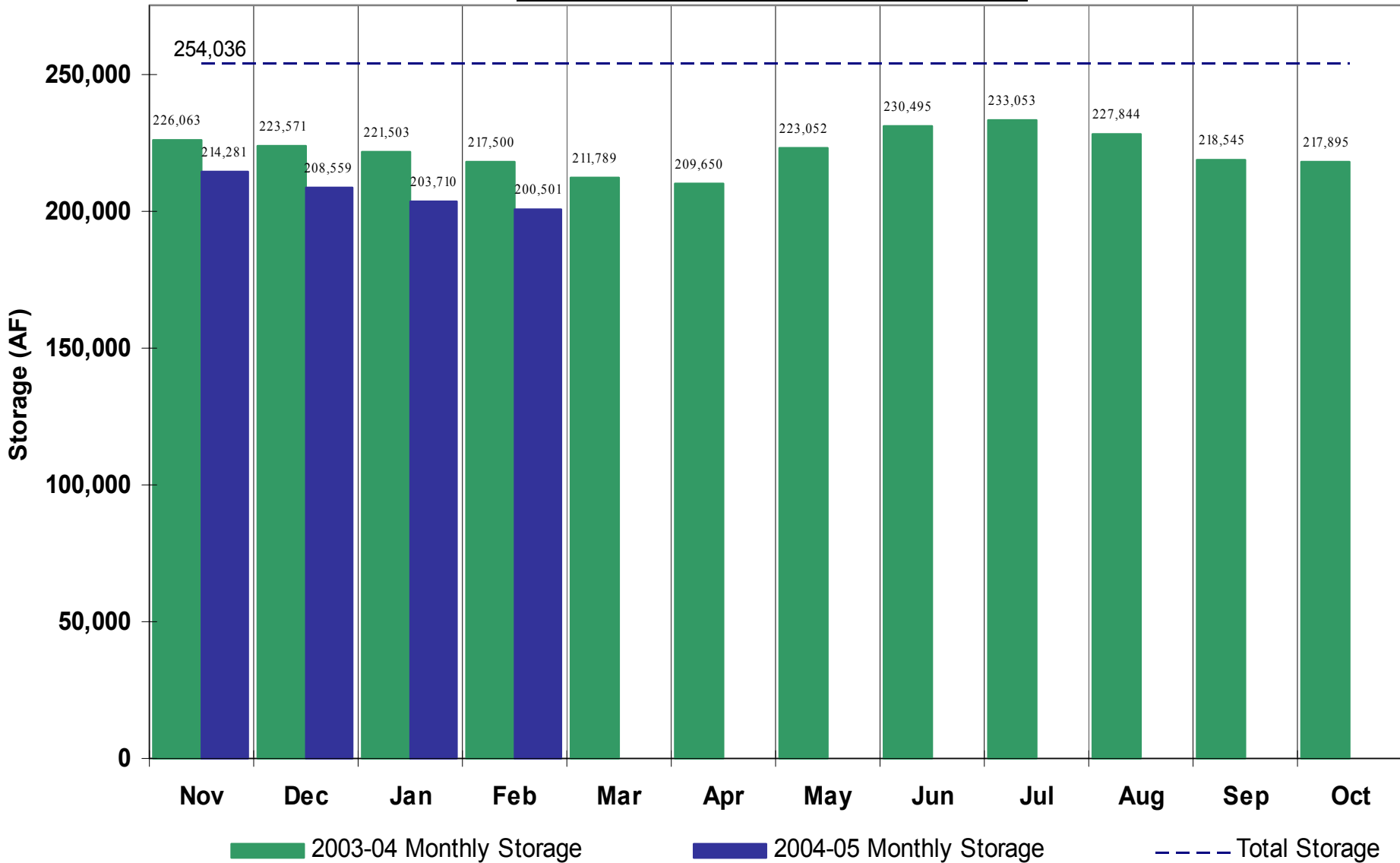
# Prospect Reservoir

(Agricultural)



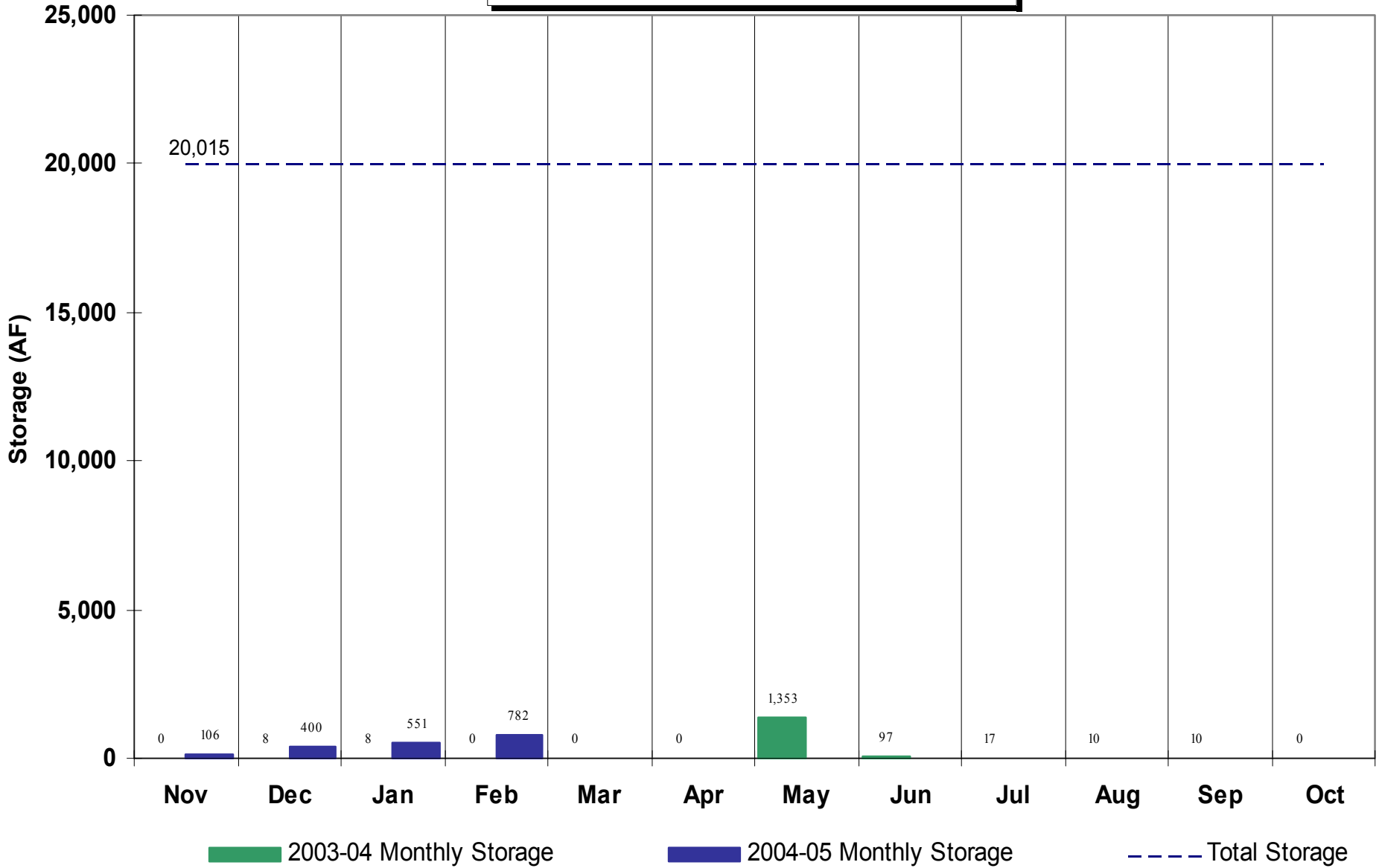
# Dillon Reservoir

## (Municipal)



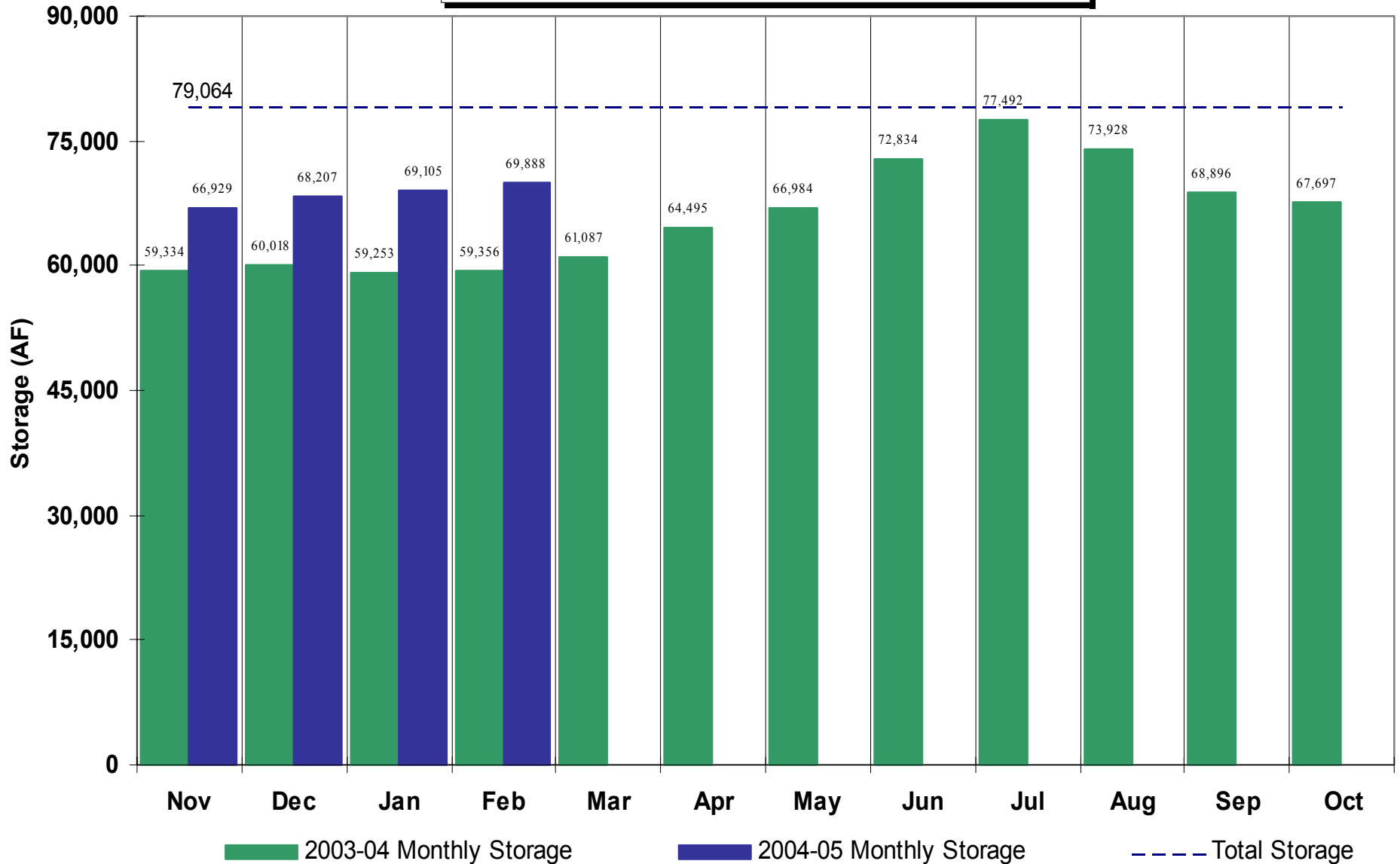
# Antero Reservoir

(Municipal)



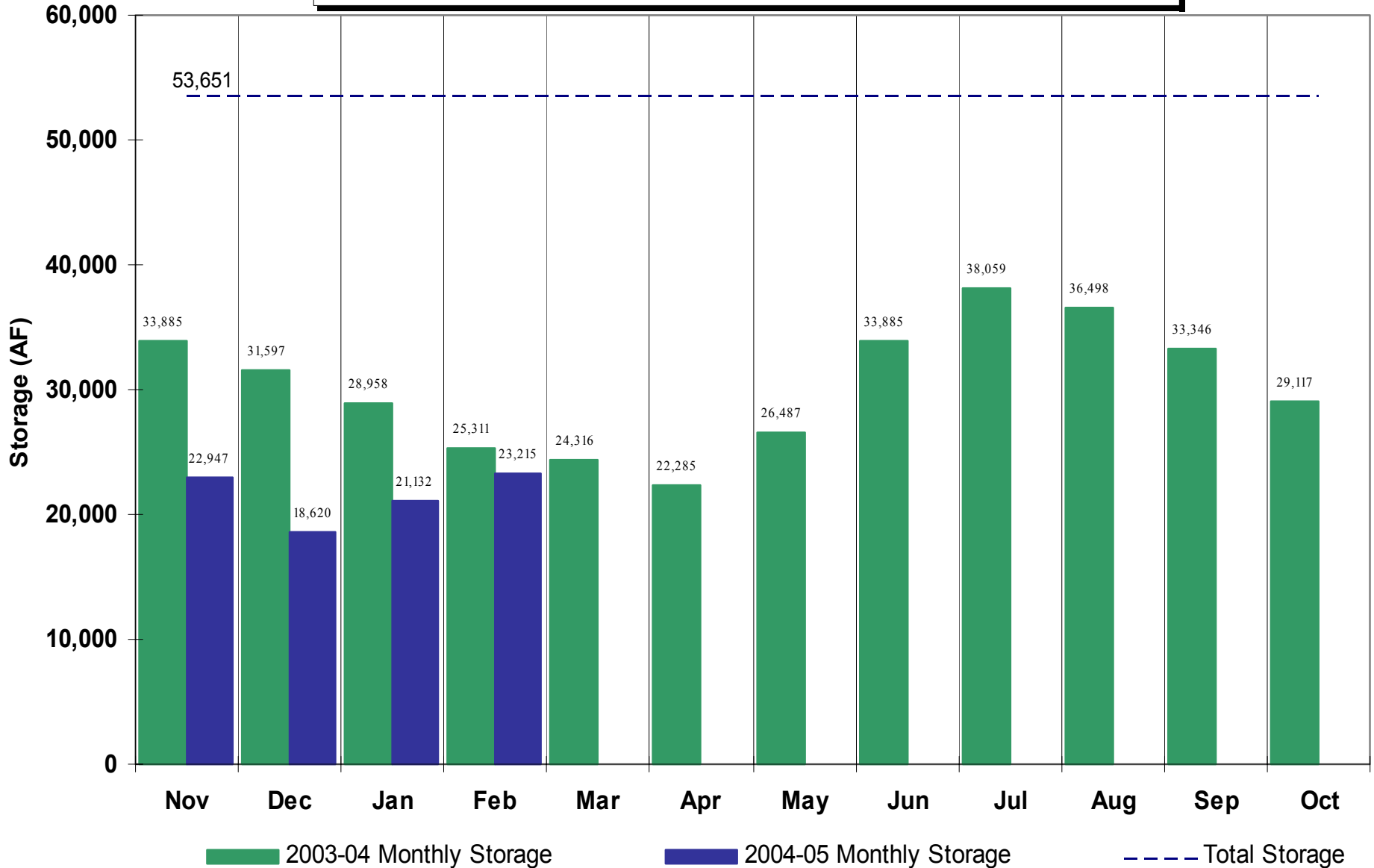
# Cheesman Reservoir

## (Municipal)



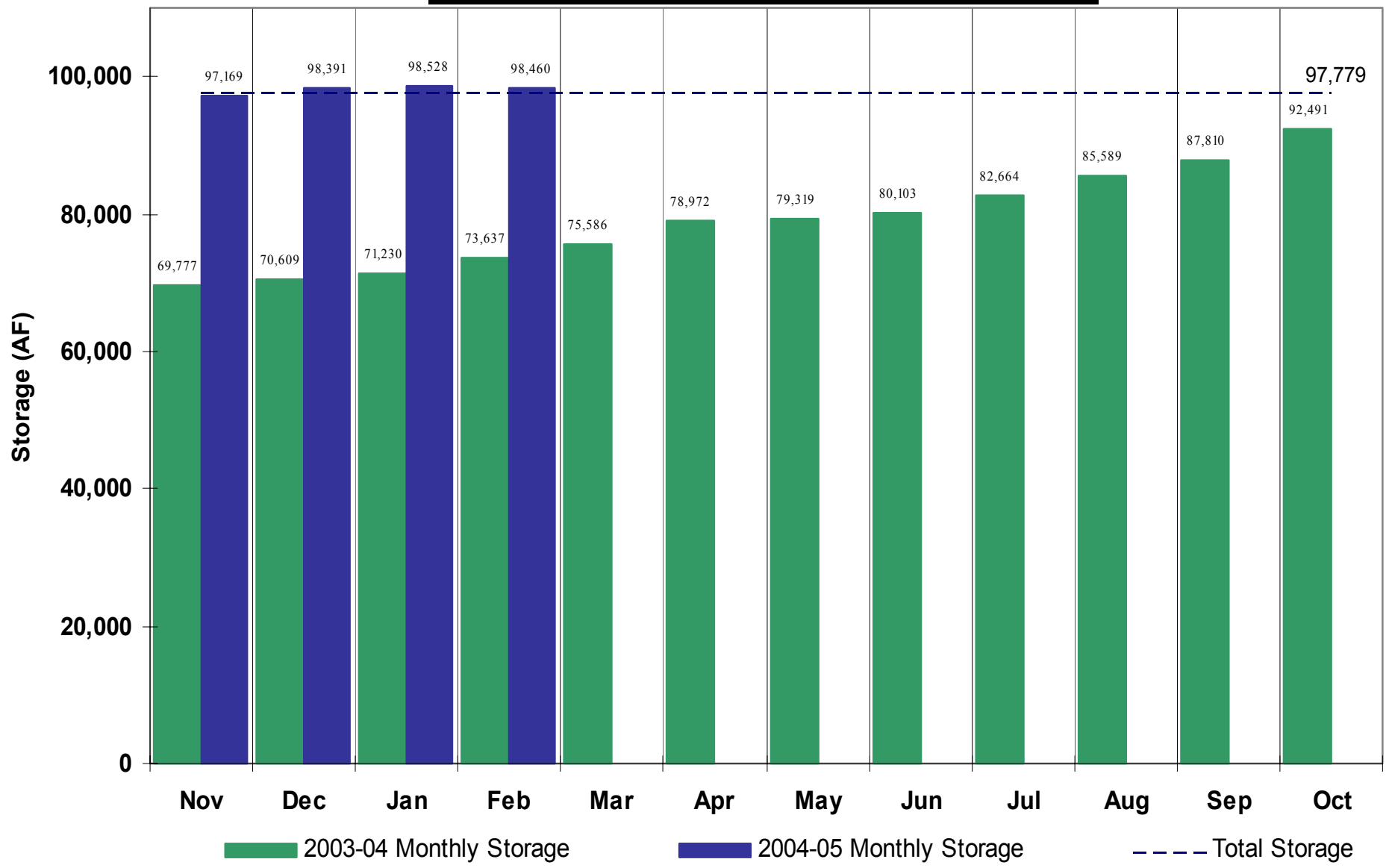
# Spinney Mountain Reservoir

(Municipal)

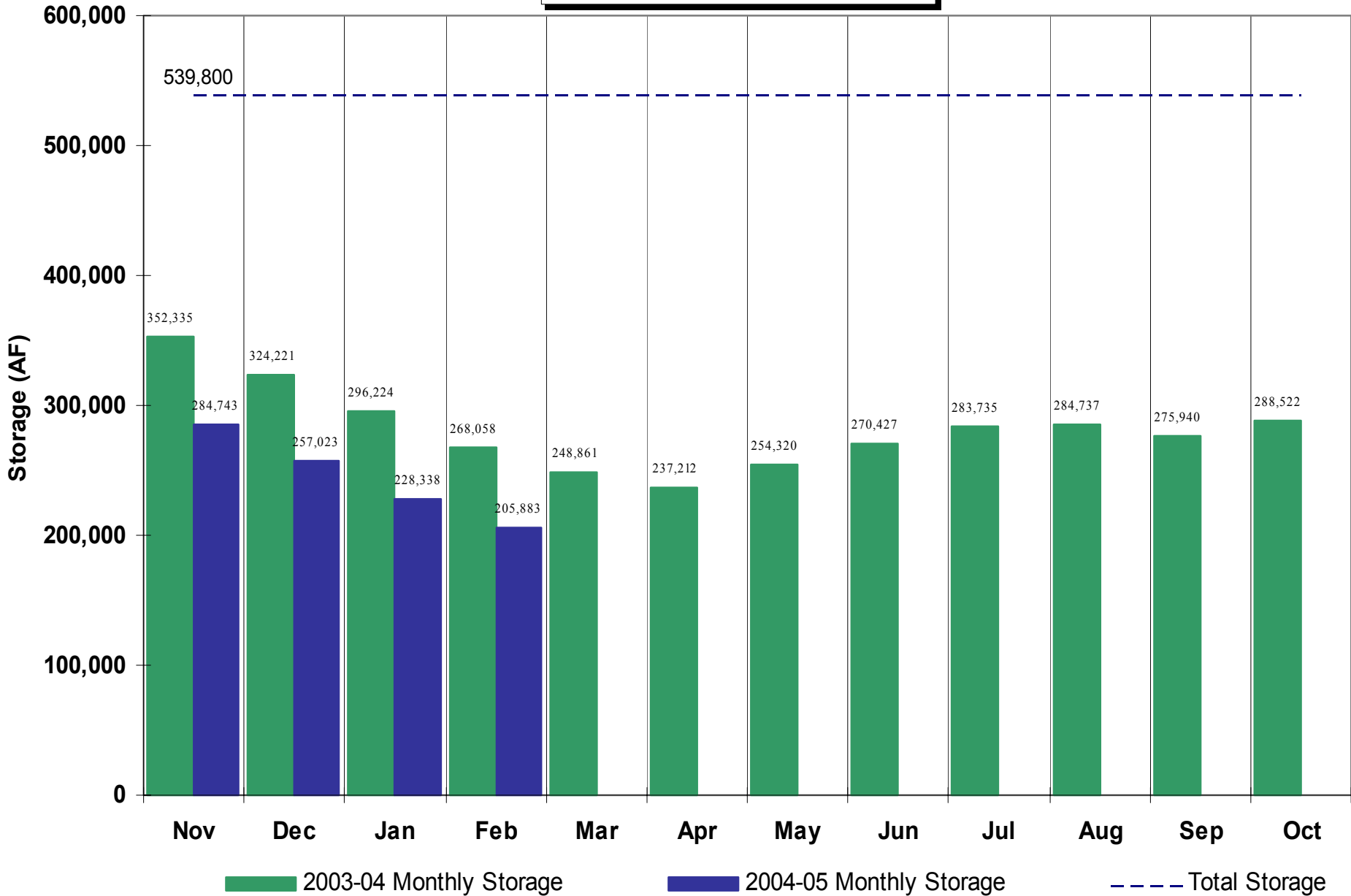


# Eleven Mile Reservoir


## (Municipal)



# Lake Granby







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

**near  
Prairie Divide**