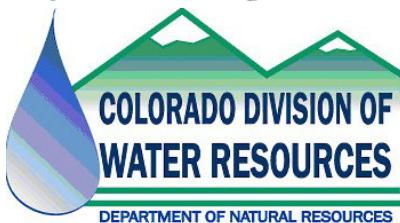


# South Platte Summary

## September 2005

By Claudia Engelmann



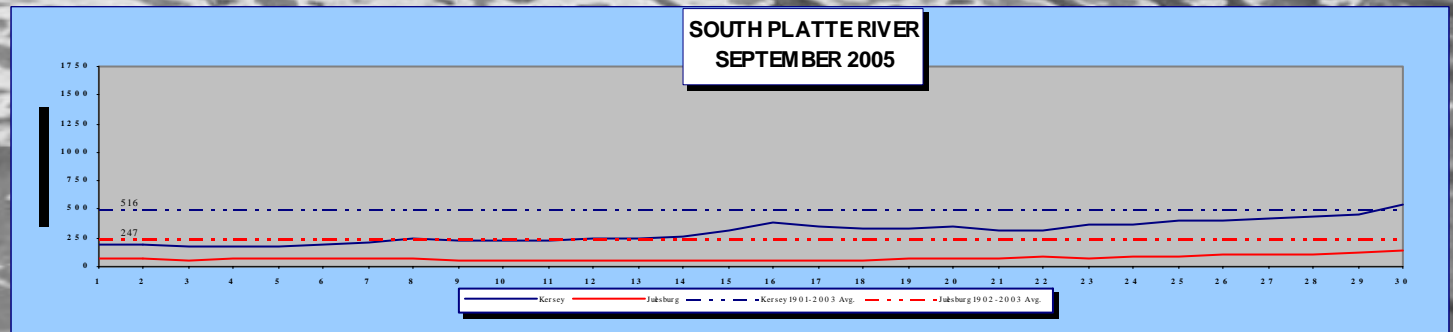
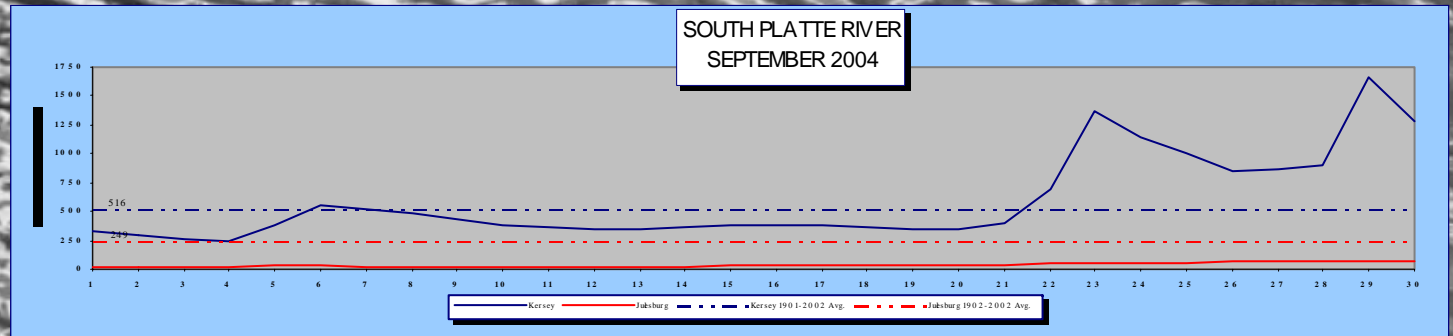
Rueter-Hess Dam Construction

# COLORADO DIVISION OF WATER RESOURCES, DIVISION 1

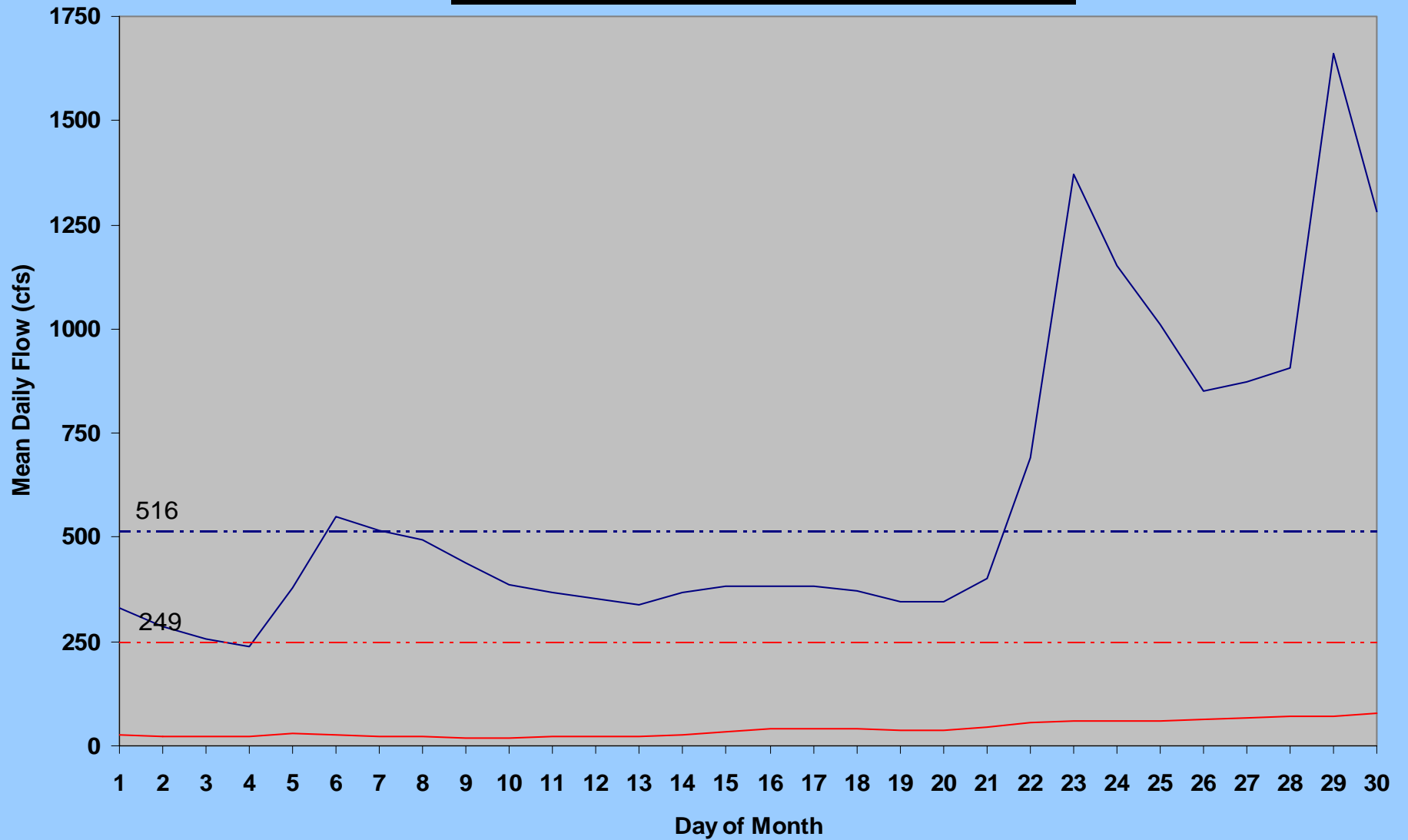
## MONTH OF SEPTEMBER 2005

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	8,923	5,851	64	-3,073	-34%	26%	23%	0
N STERLING	73,730	28,230	14,490	64	-13,740	-49%	20%	4%	0
PREWITT	28,500	14,350	10,240	64	-4,110	-29%	36%	22%	0
JACKSON	27,257	14,293	11,526	1	-2,767	-19%	42%	24%	0
EMPIRE	37,700	6,155	2,894	1	-3,261	-53%	8%	2%	0
RIVERSIDE	63,113	25,276	12,856	1	-12,420	-49%	20%	15%	0
BARR LAKE	31,652	10,033	5,081	2	-4,952	-49%	16%	21%	0
CHEESMAN	79,064	77,656	71,643	80	-6,013	-8%	91%	87%	0
ELEVEN MILE	97,779	100,174	99,555	23	-619	-1%	100%	90%	1,776
SPINNEY	53,651	39,263	38,258	23	-1,005	-3%	71%	62%	0
ANTERO	20,015	6,201	5,955	23	-246	-4%	30%	0%	0

RIVER GAGES	MEAN DAILY FLOW (CFS)
<b>KERSEY</b>	<b>302</b>
<b>JULESBURG</b>	<b>73</b>
<b>THIS MONTH LAST YEAR</b>	
<b>KERSEY</b>	<b>590</b>
<b>JULESBURG</b>	<b>40</b>
<b>MEAN FOR PERIOD OF RECORD*</b>	
<b>KERSEY</b>	<b>516</b>
<b>JULESBURG</b>	<b>247</b>
* 1901-2003	
1902-2003	

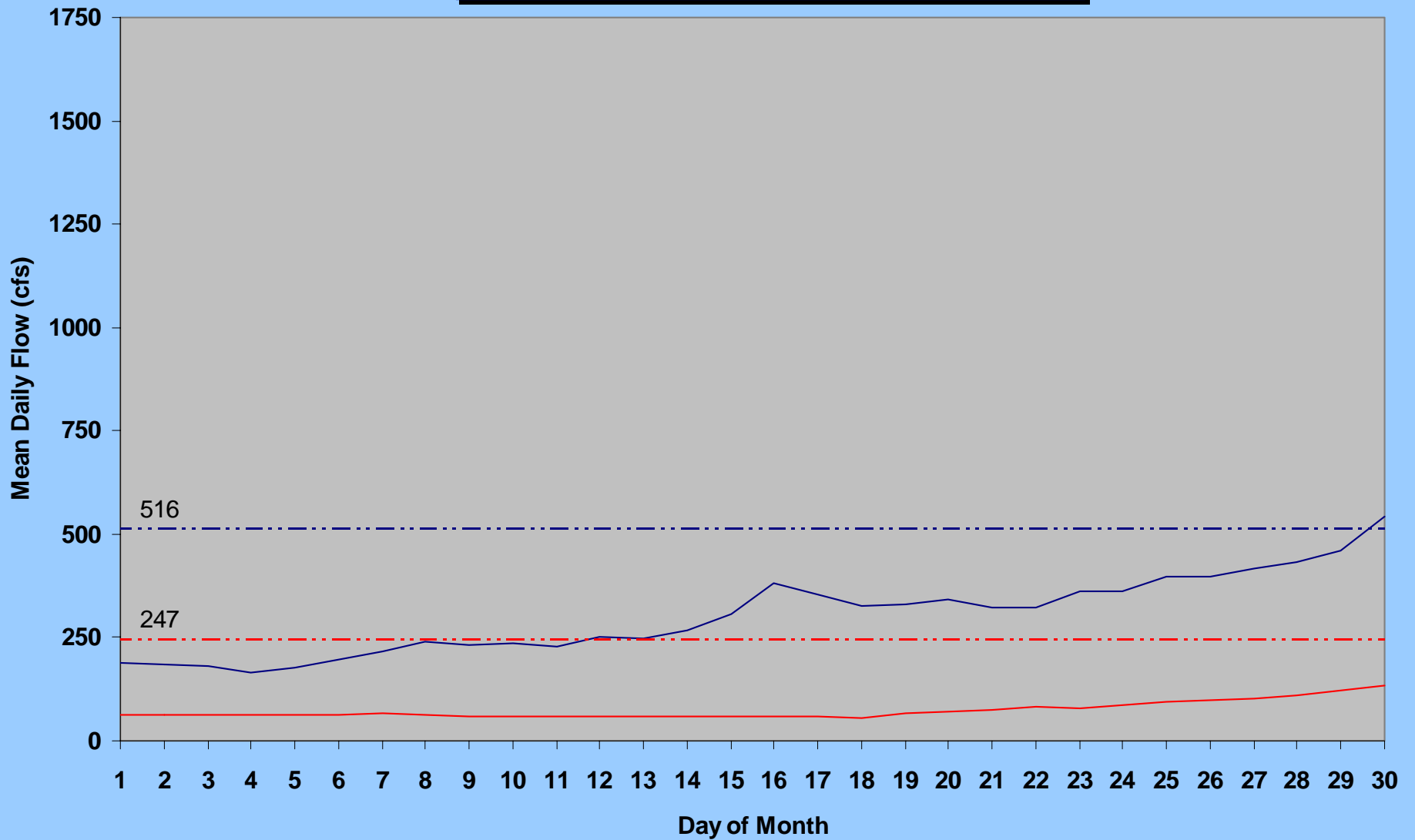


# SOUTH PLATTE RIVER SEPTEMBER 2004



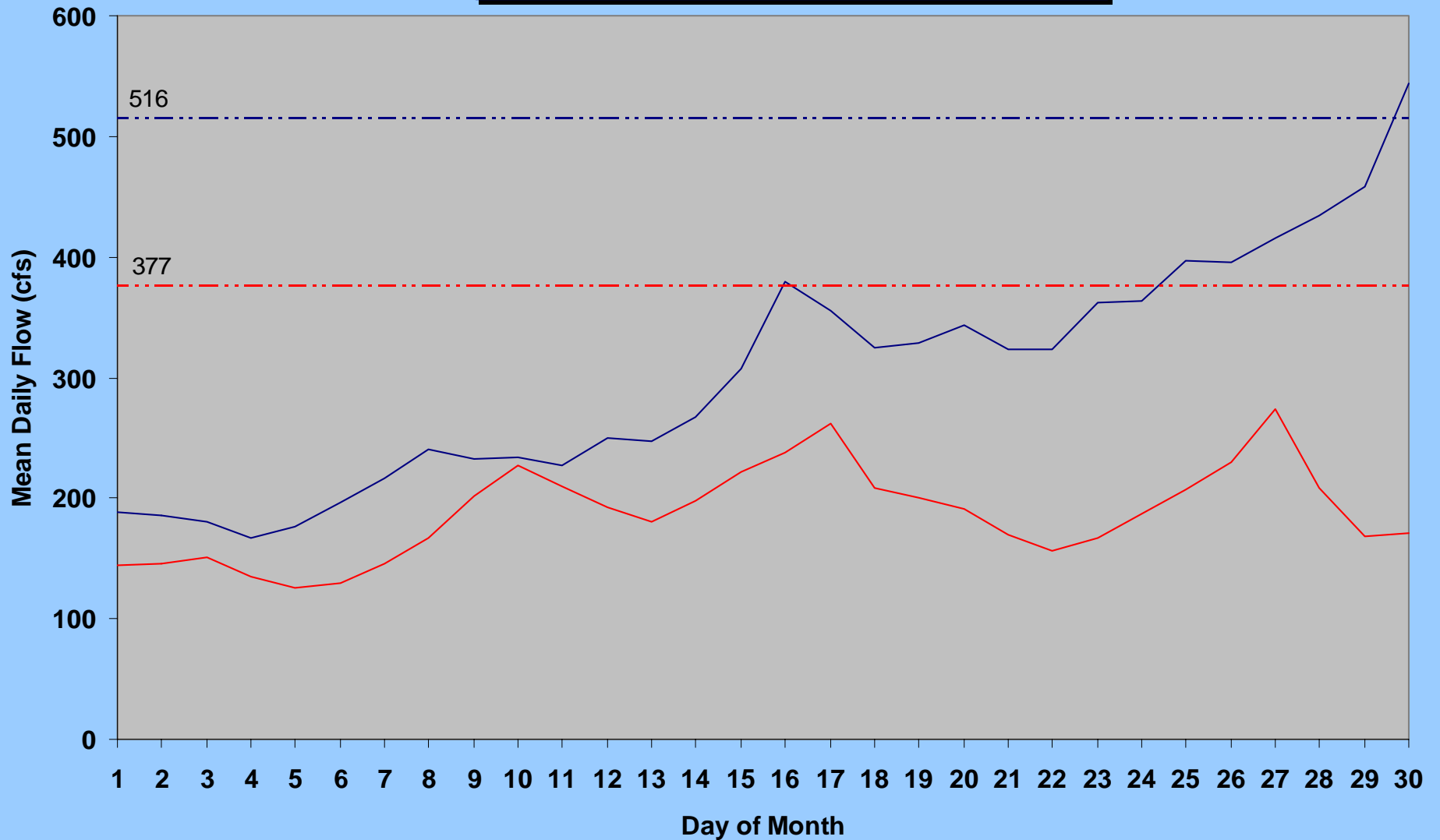
— Kersey — Julesburg - - - Kersey 1901-2002 Avg. - - - Julesburg 1902-2002 Avg.

# SOUTH PLATTE RIVER SEPTEMBER 2005



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

# KERSEY and BALZAC SEPTEMBER 2005



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

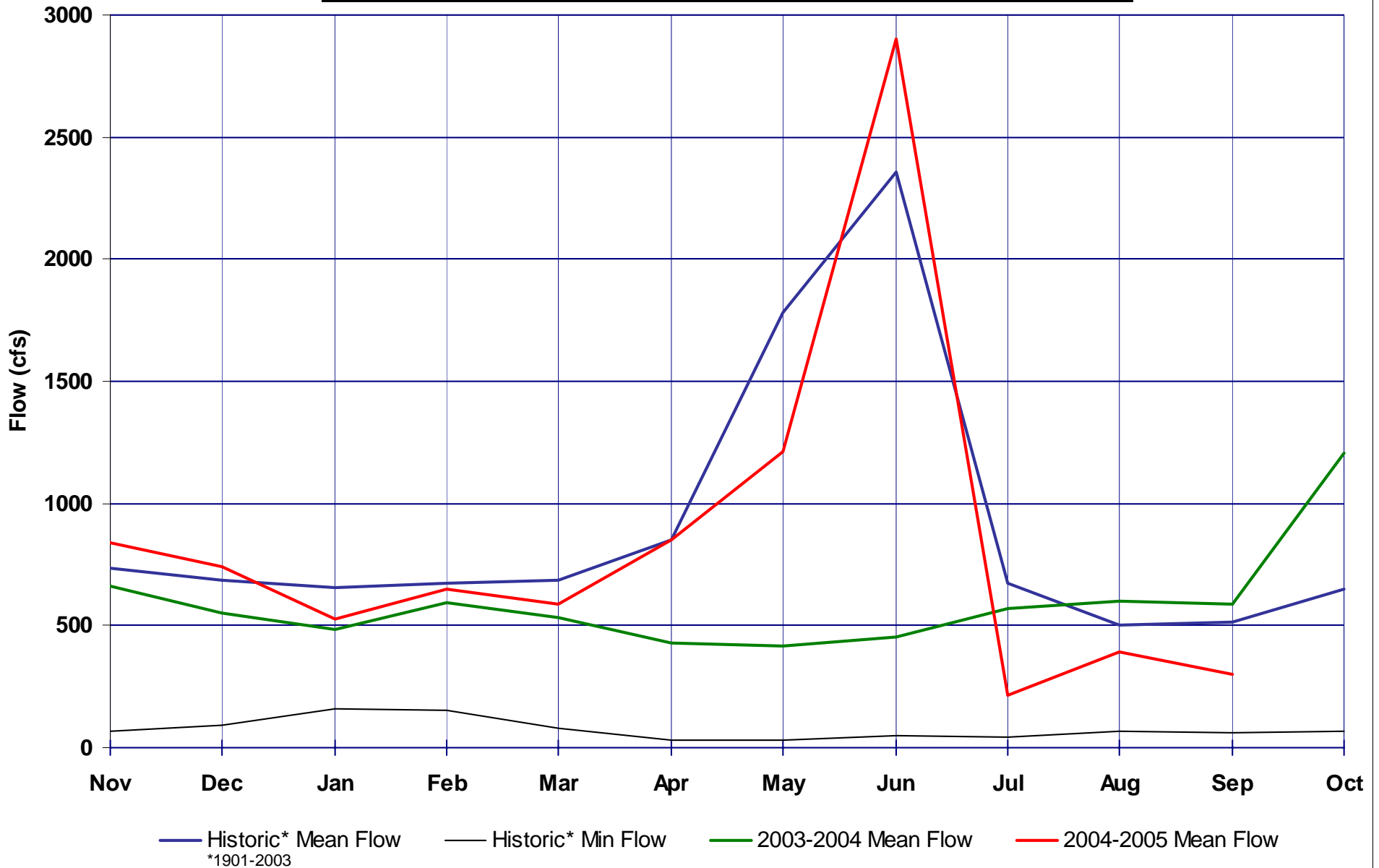


## South Platte River Monthly Stream Flow (cfs) Statistics

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	2902	N	Jun	1474	30800	1921	2	1910	1137	N
Jul	671	12600	1983	44	1955	216	N	Jul	303	12600	1983	0	1903	91	N
Aug	505	9690	1951	65	1934	393	N	Aug	186	8920	1968	0	1903	74	N
Sep	516	14200	1938	62	1940	302	N	Sep	247	7130	1938	2	1902	73	N
Oct	648	6180	1985	66	1955			Oct	311	3130	1985	4.2	1904		
*Period of record 1901-2003								*Period of record 1902-2003							

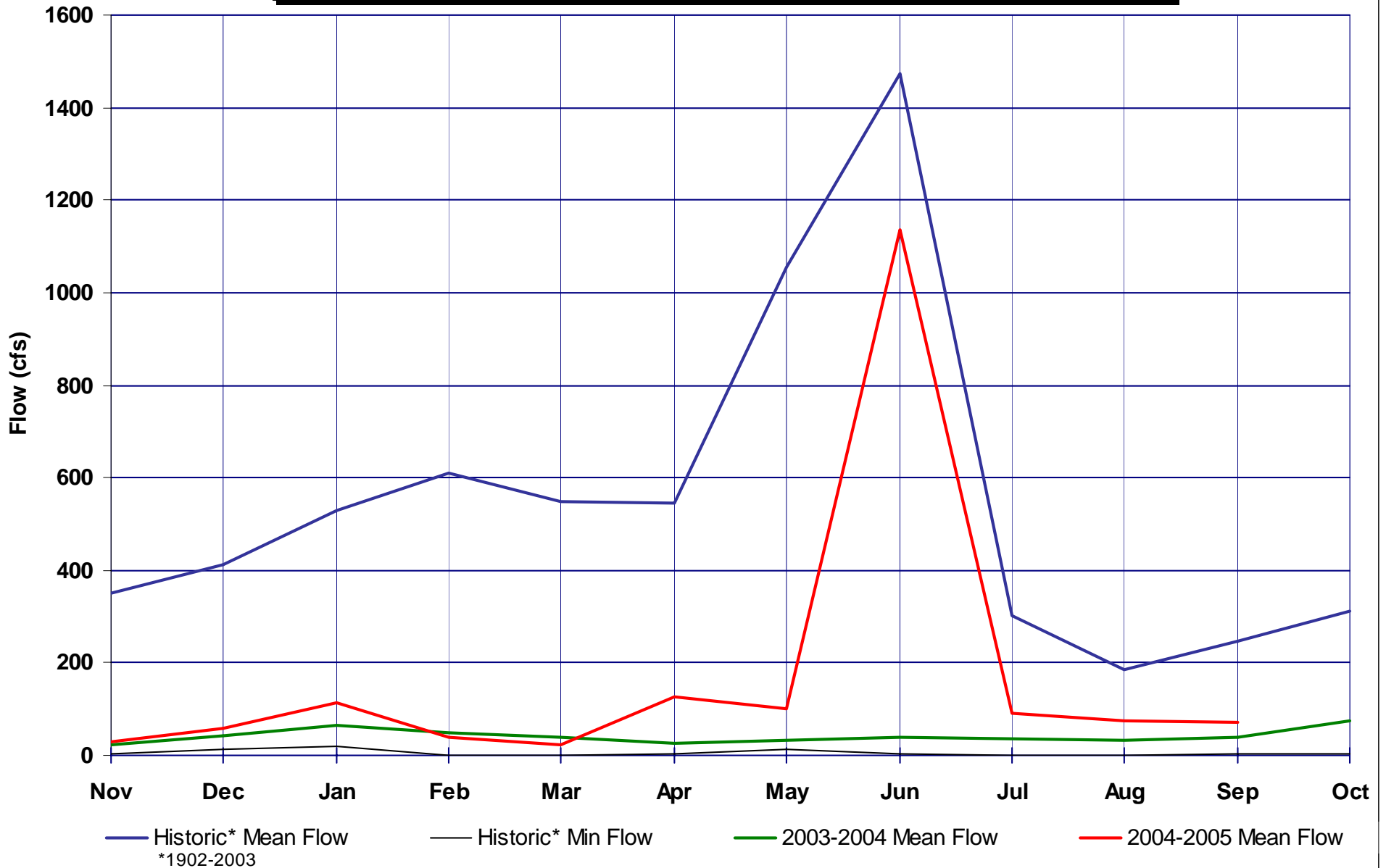
# South Platte River at Kersey

Irrigation Water Year



# South Platte River at Julesburg

Irrigation Water Year





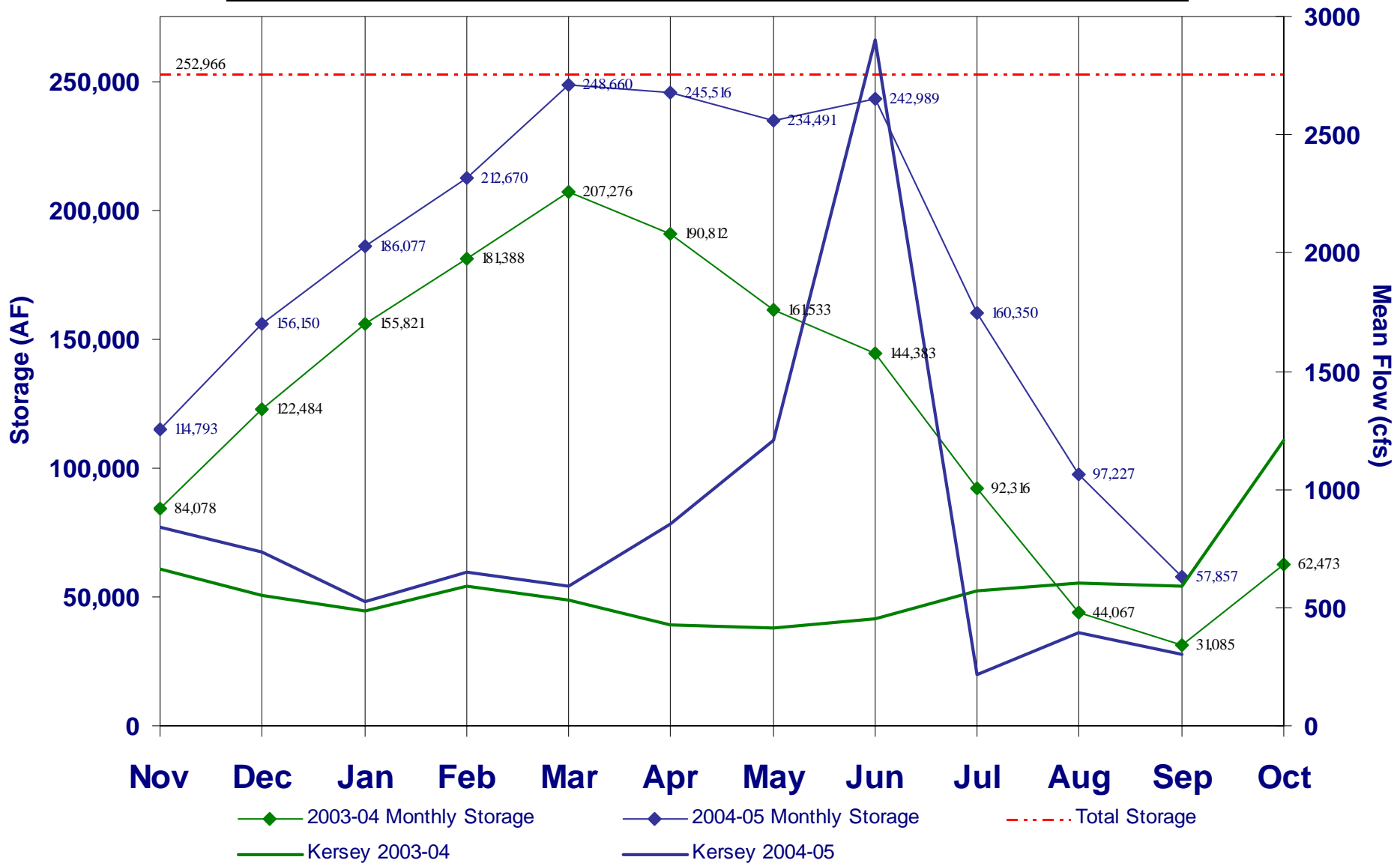


**Next four slides show  
Reservoir Storage  
below and above Kersey**

**Rueter-Hess Dam  
Outlet Works**

# Reservoir Storage below Kersey

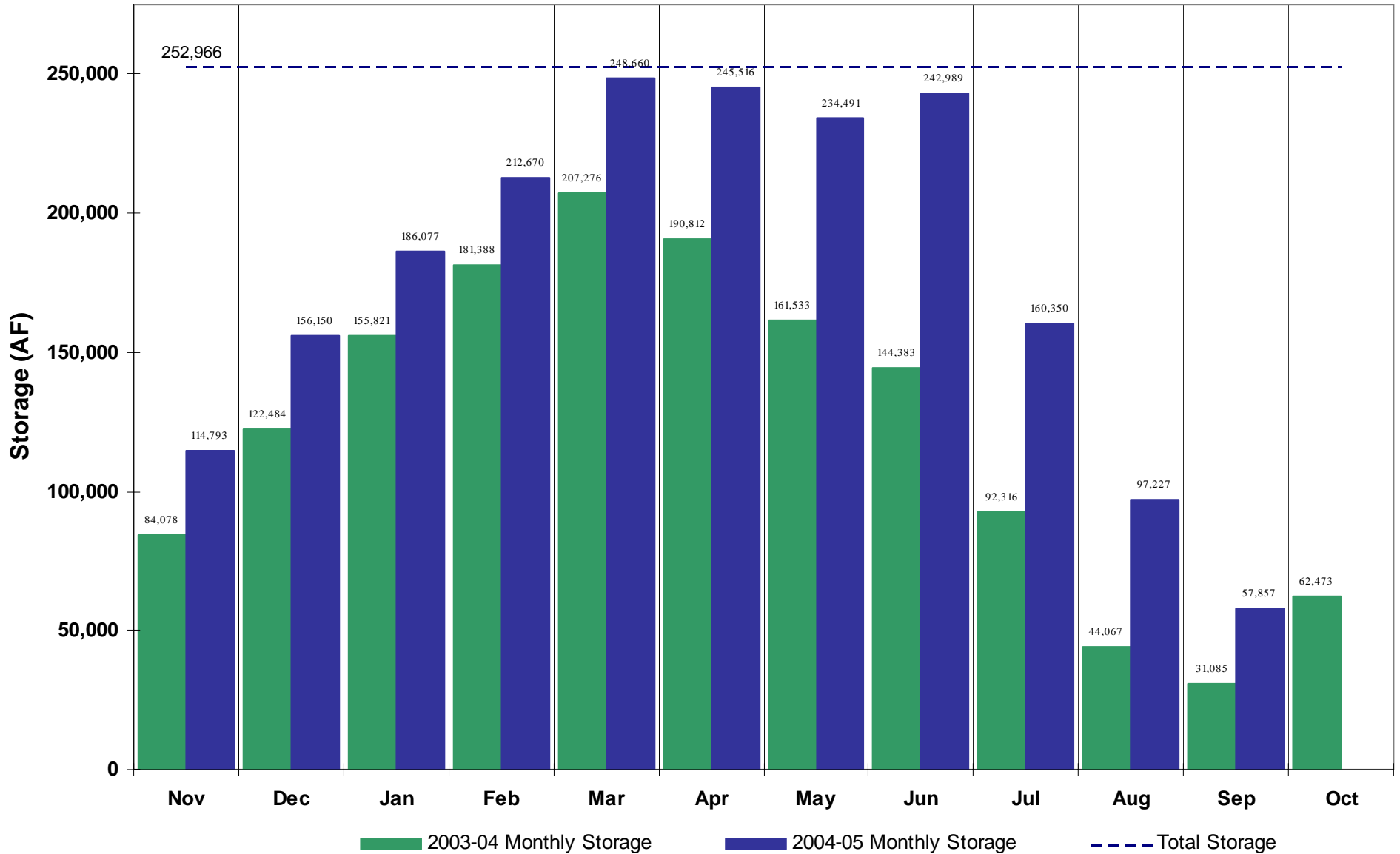
## Selected Reservoirs\*



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

# South Platte Reservoirs

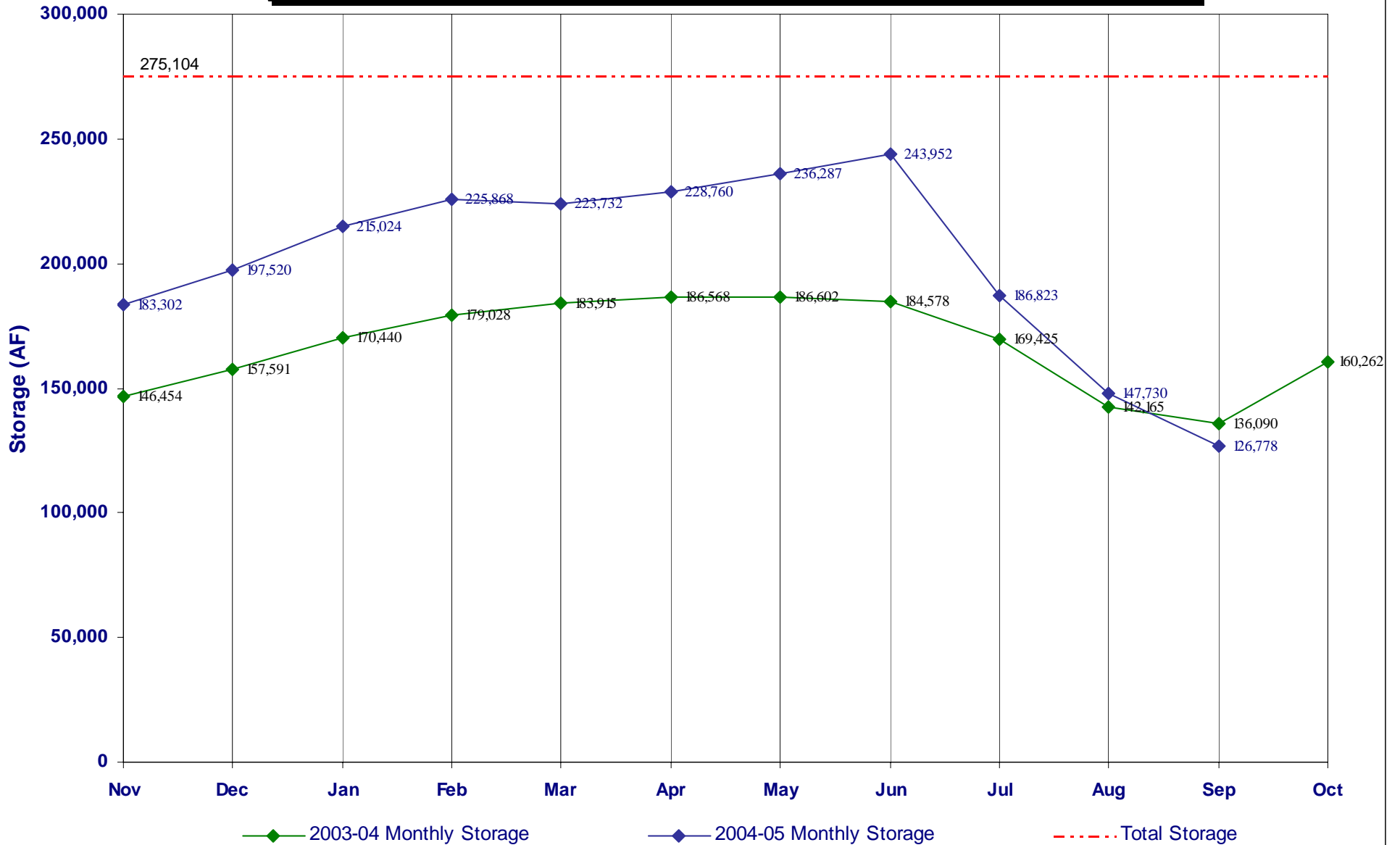
## Storage below Kersey\*



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

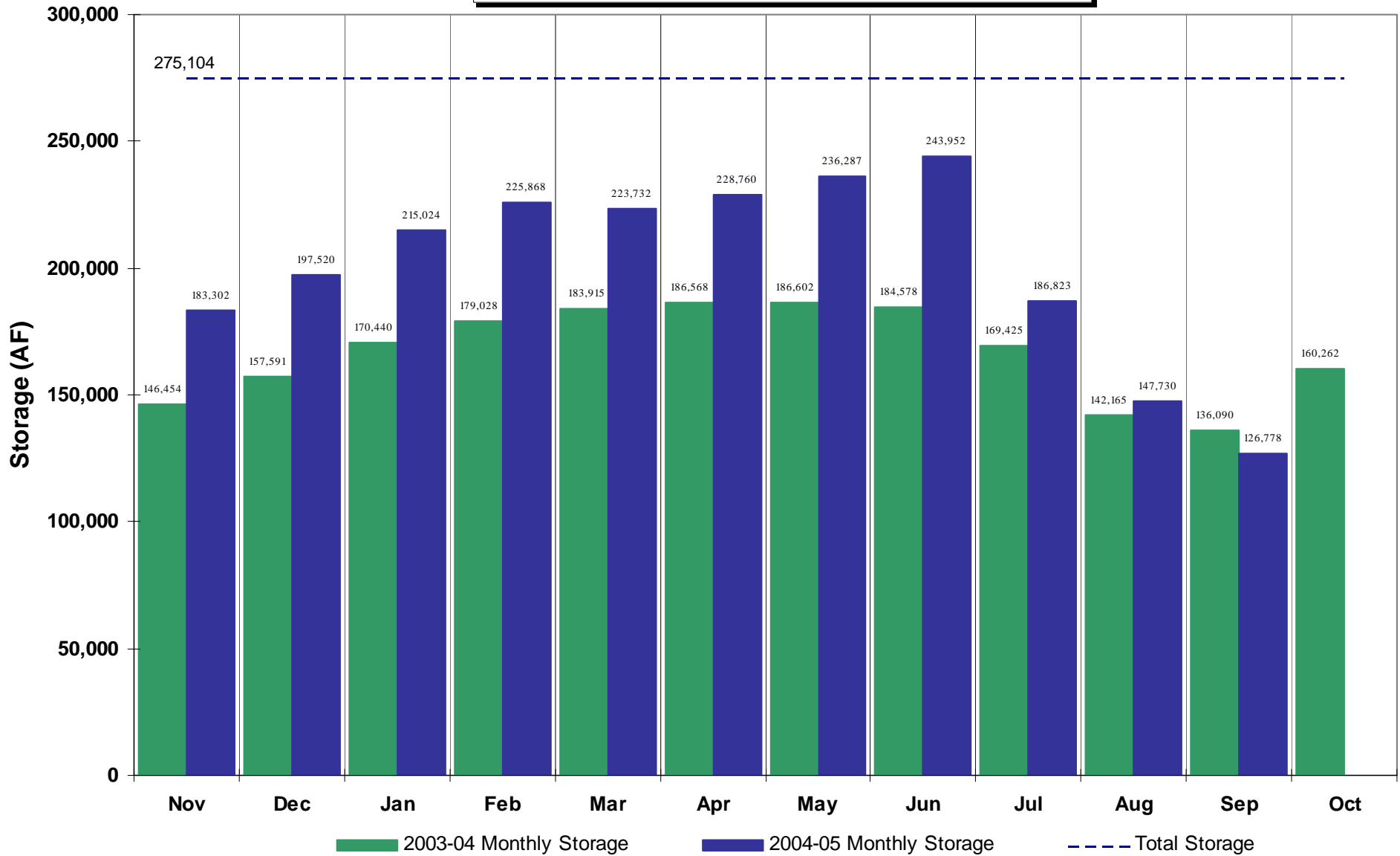
# Reservoir Storage above Kersey

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\*



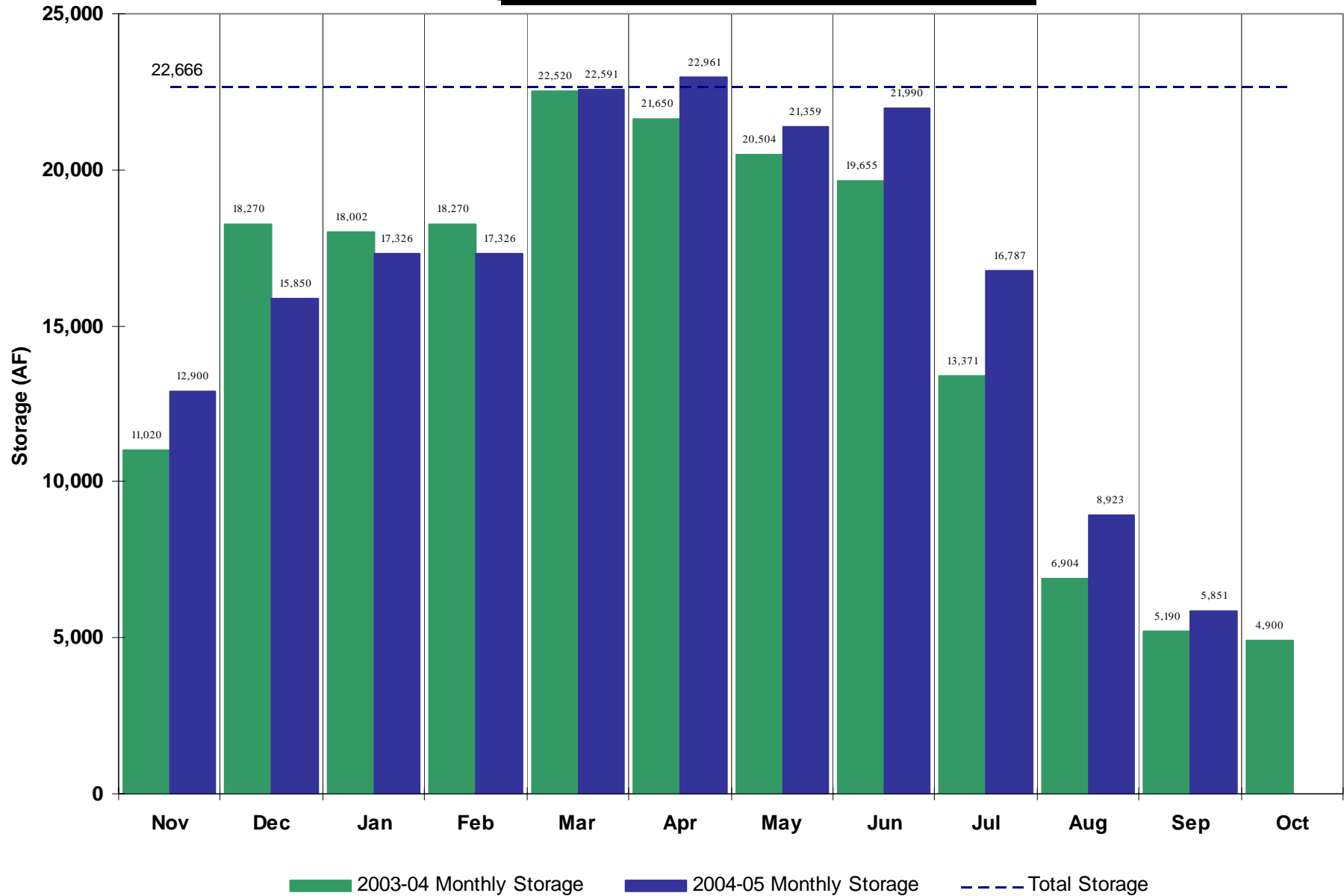
\*Barr, Cobb, Fossil Crk, Halligan, Marshall, Milton, Union, Standley, Lower Latham, Boyd, Loveland, Windsor, Horse Crk, & Prospect



**Individual  
Reservoir Storage  
Follows**

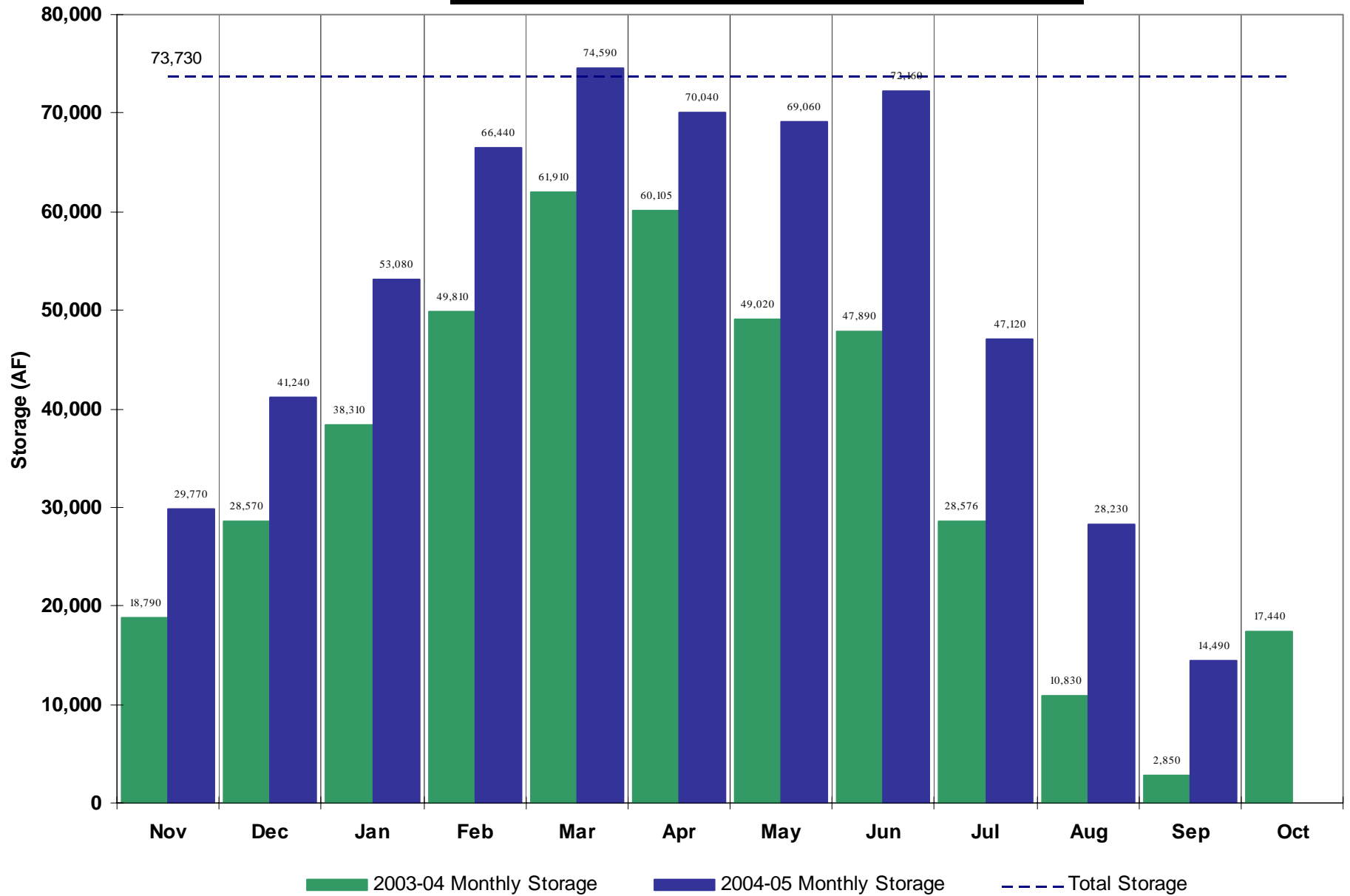
**South Platte Dam Spillway**

# Julesburg Reservoir (Agricultural)



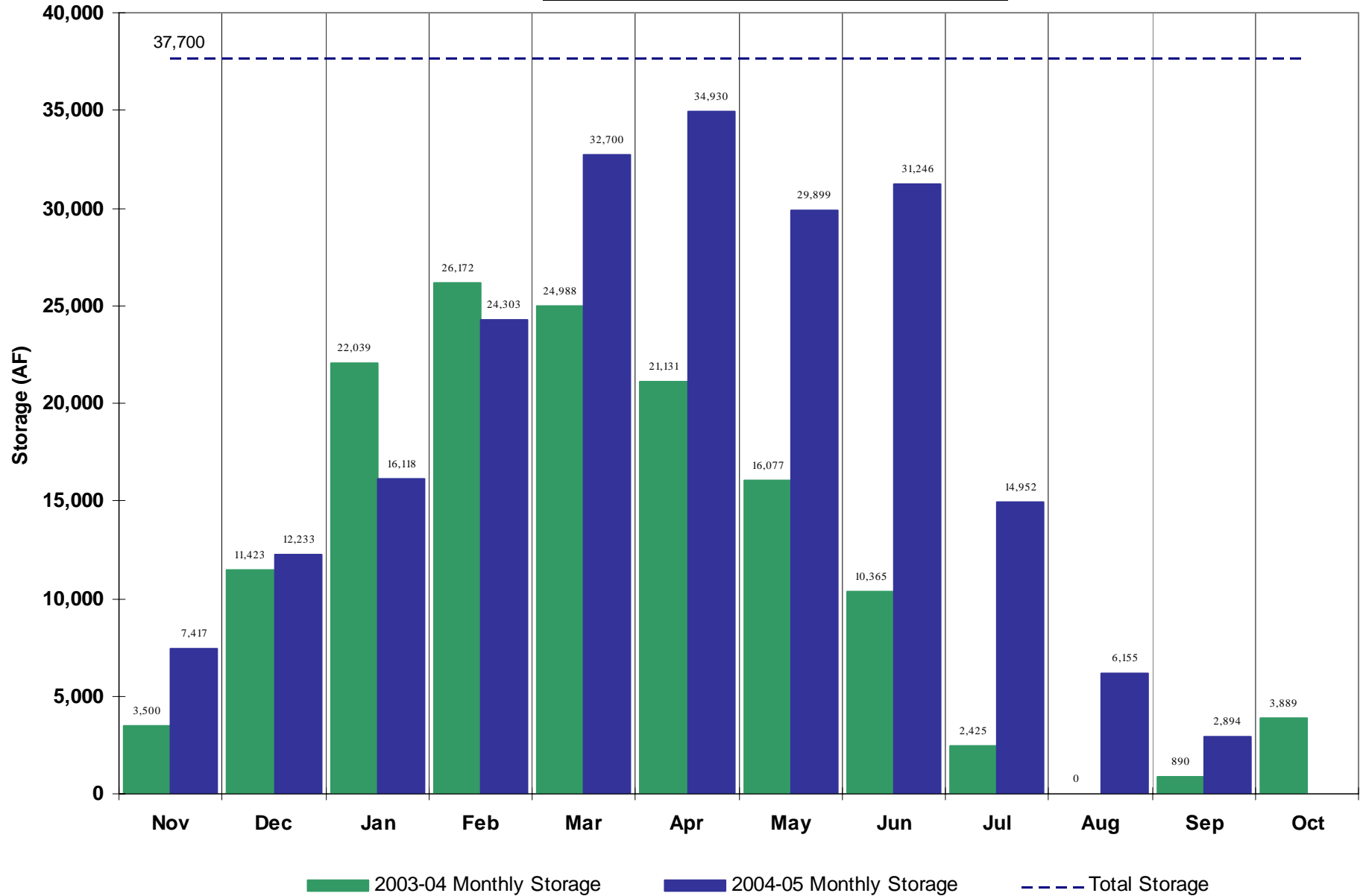
# North Sterling Reservoir

(Agricultural)

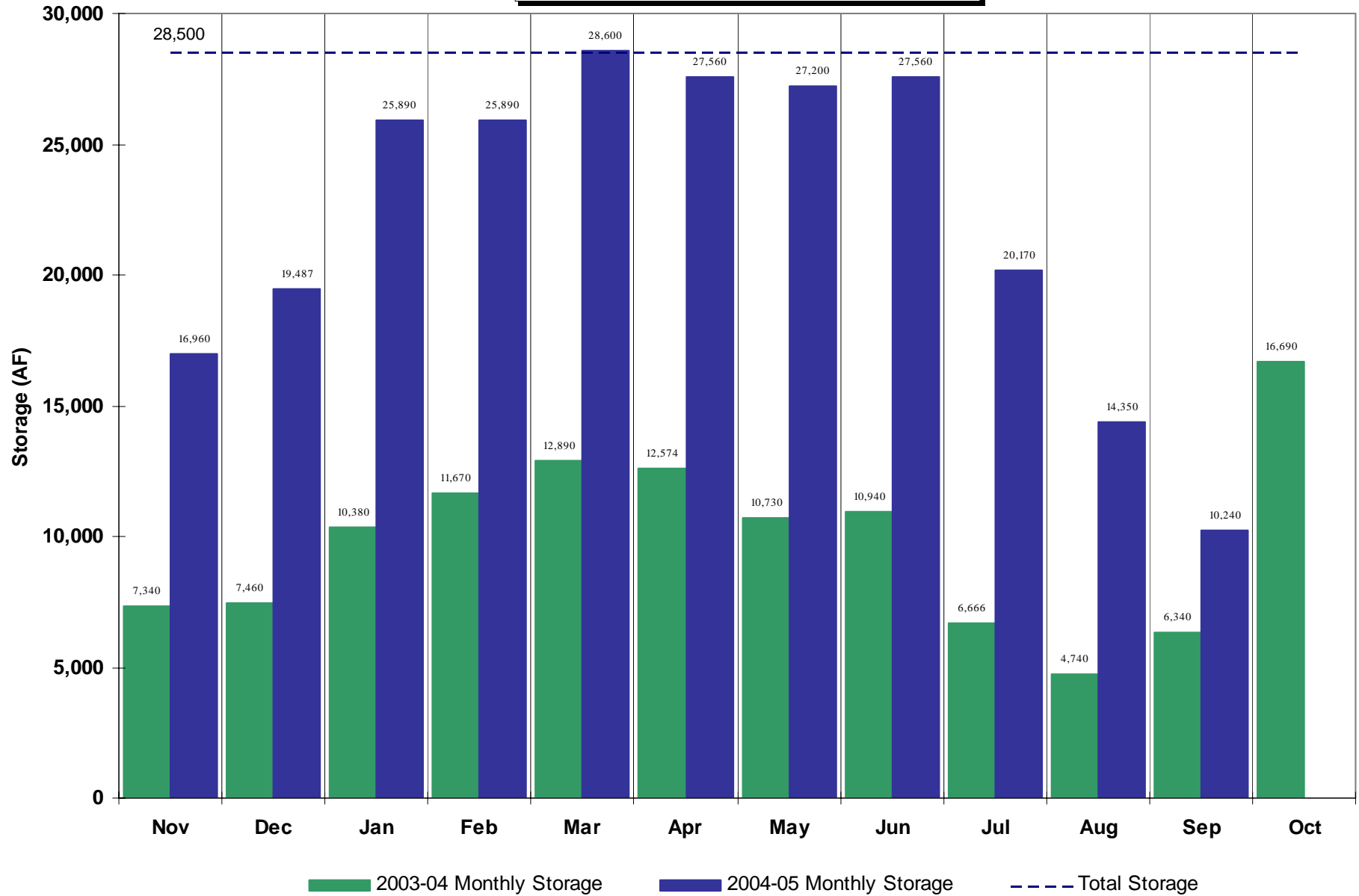




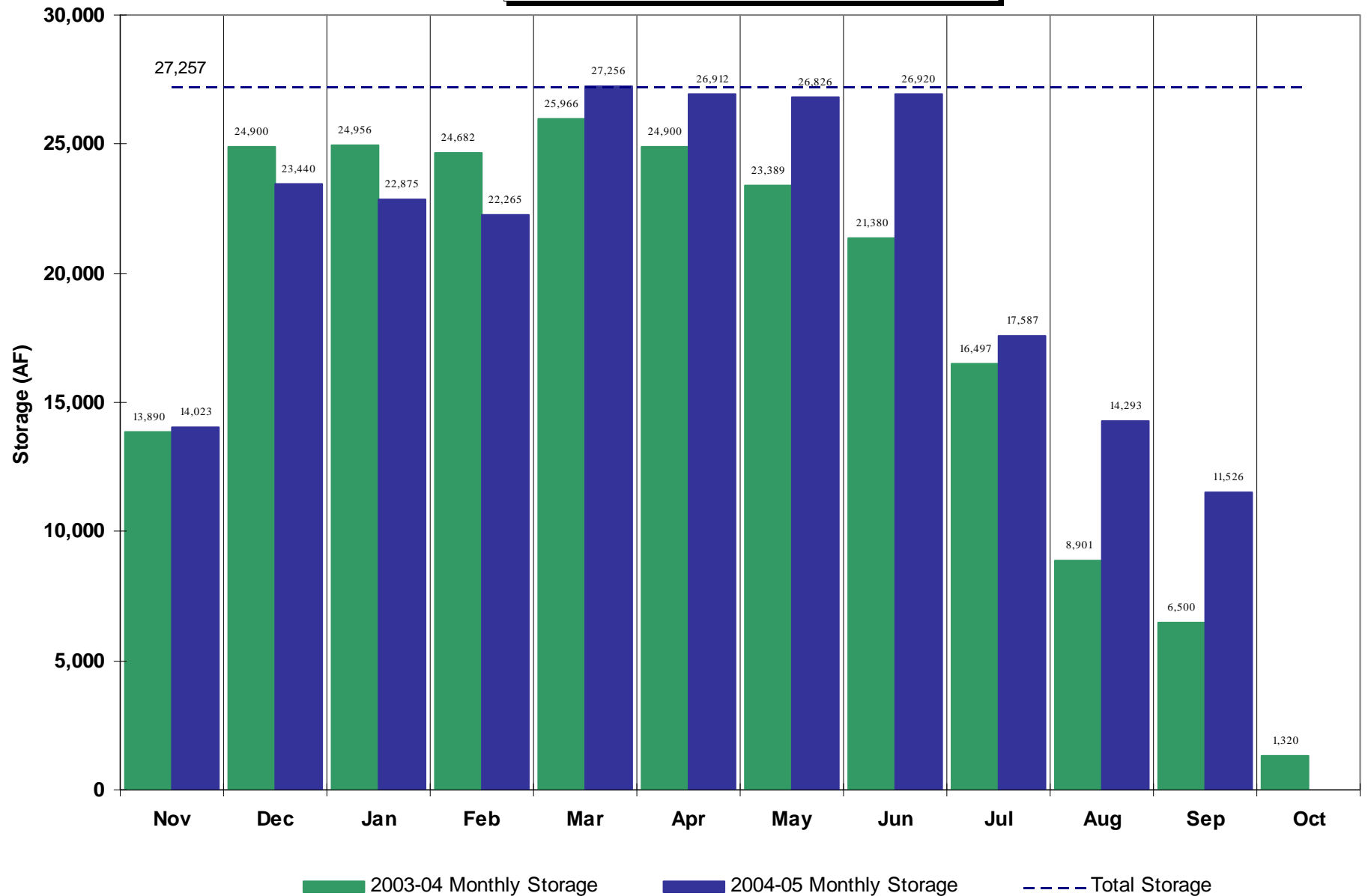
# Empire Reservoir (Agricultural)



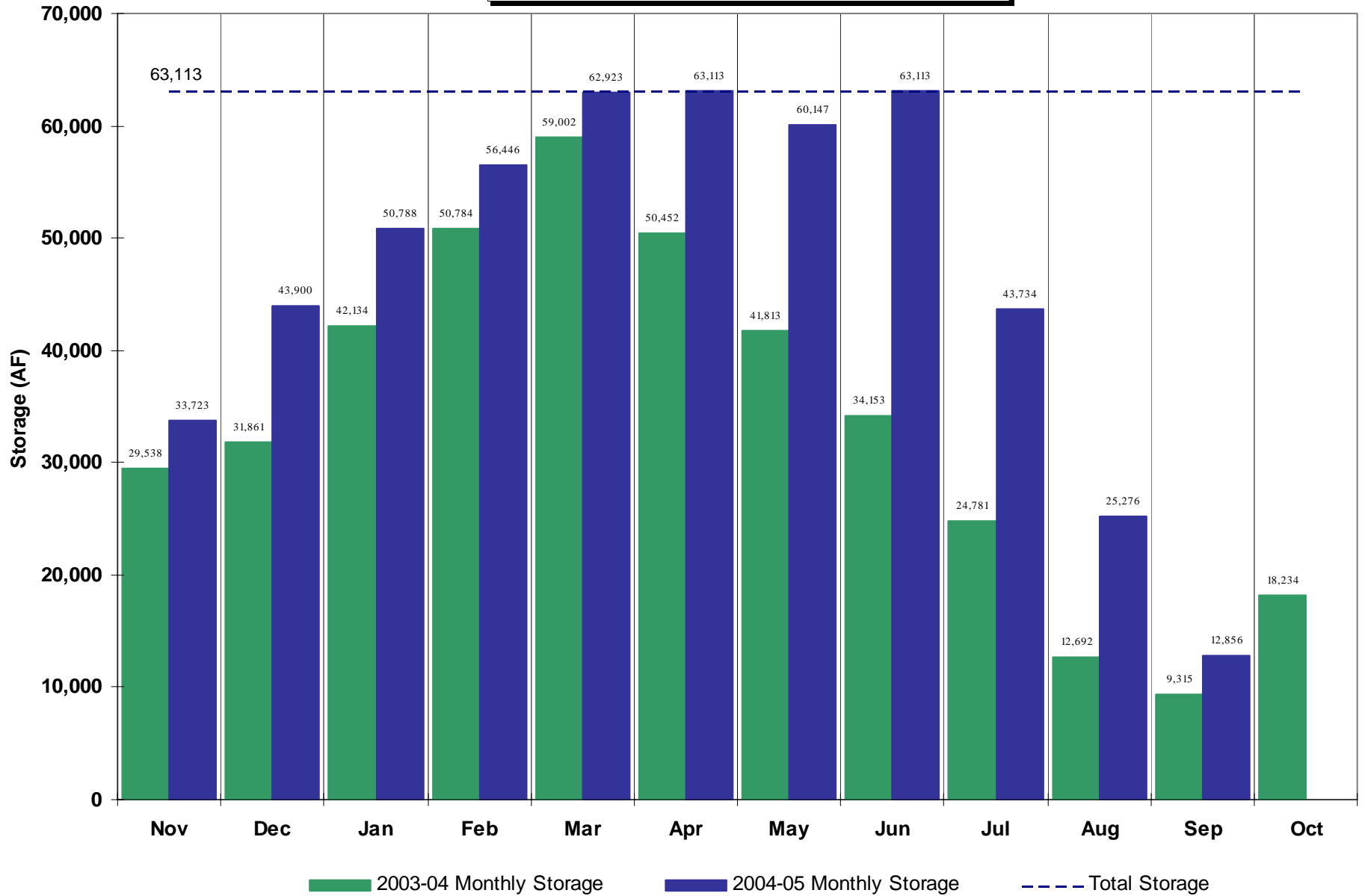
# Prewitt Reservoir (Agricultural)



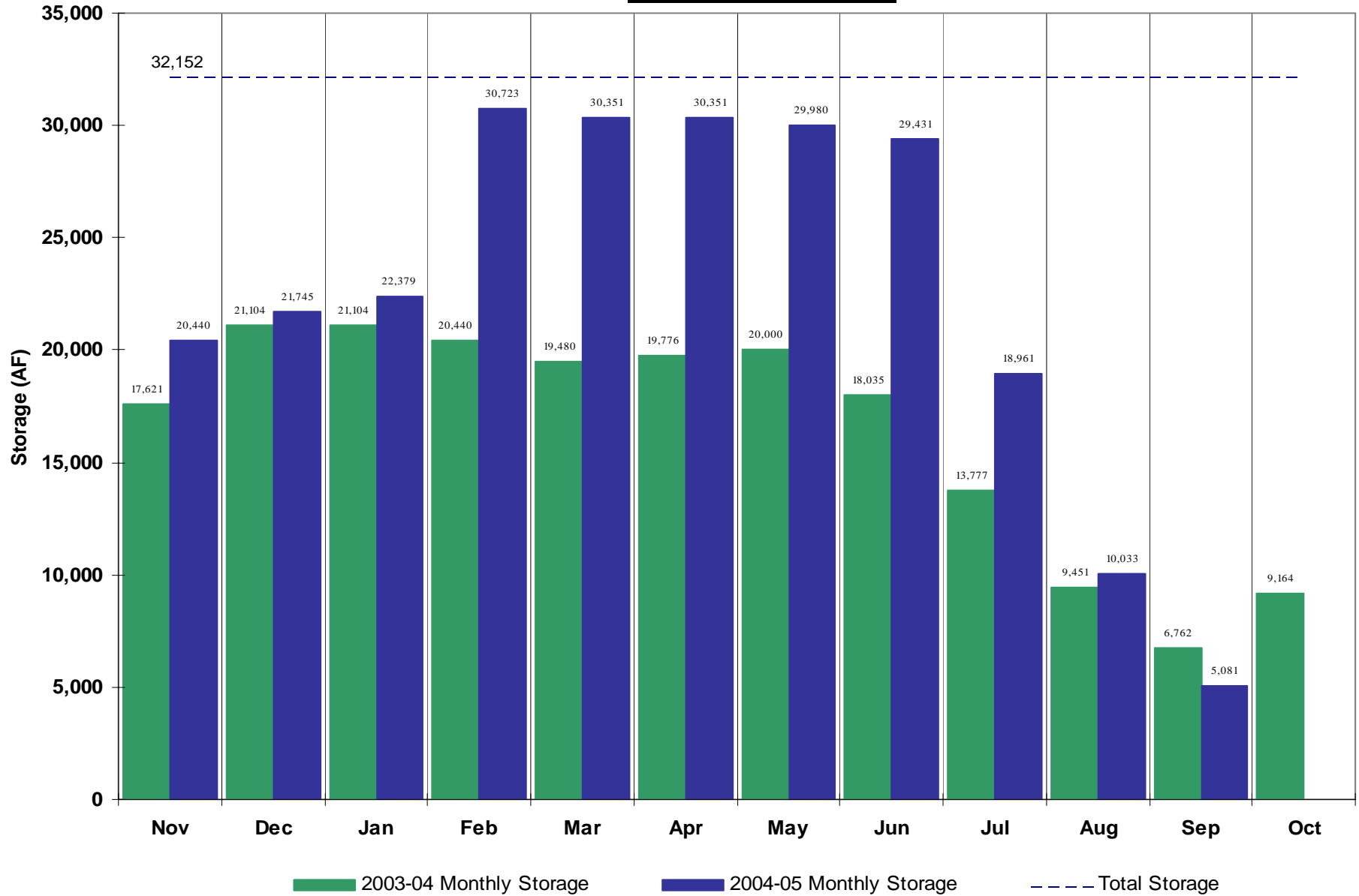
# Jackson Reservoir (Agricultural)



# Riverside Reservoir (Agricultural)

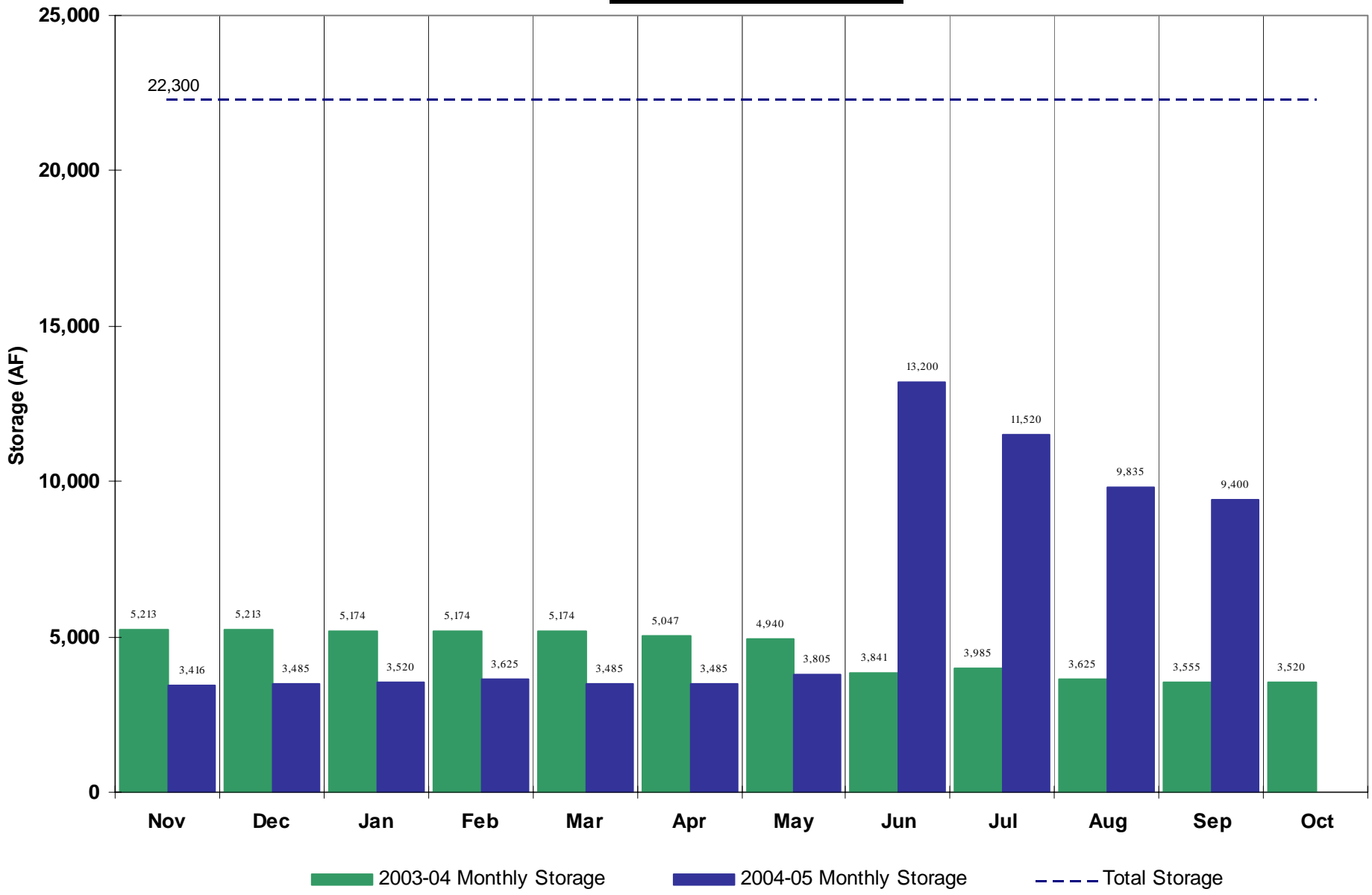


# Barr Lake (Agricultural)



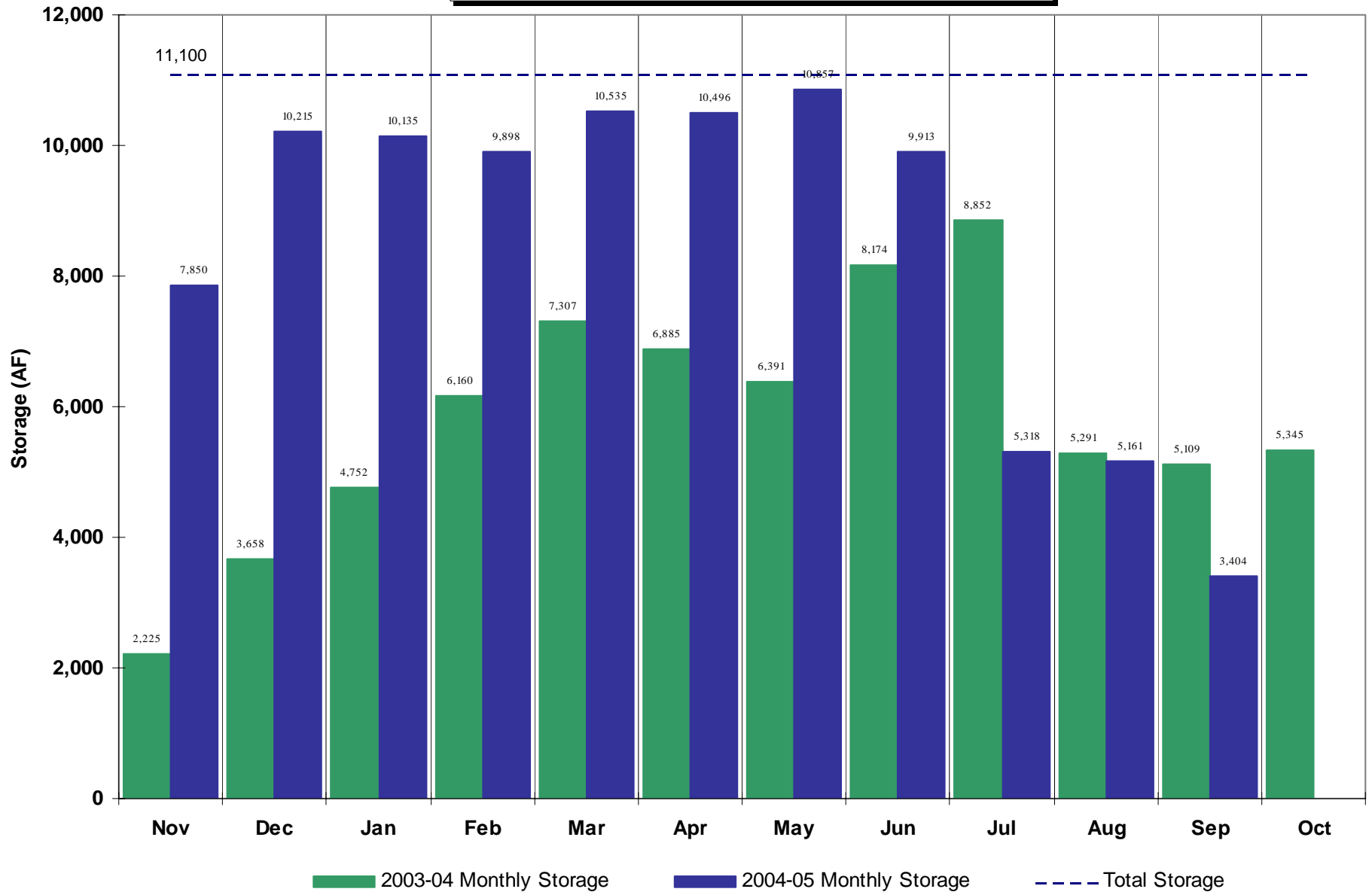
# Cobb Lake

(Agricultural)



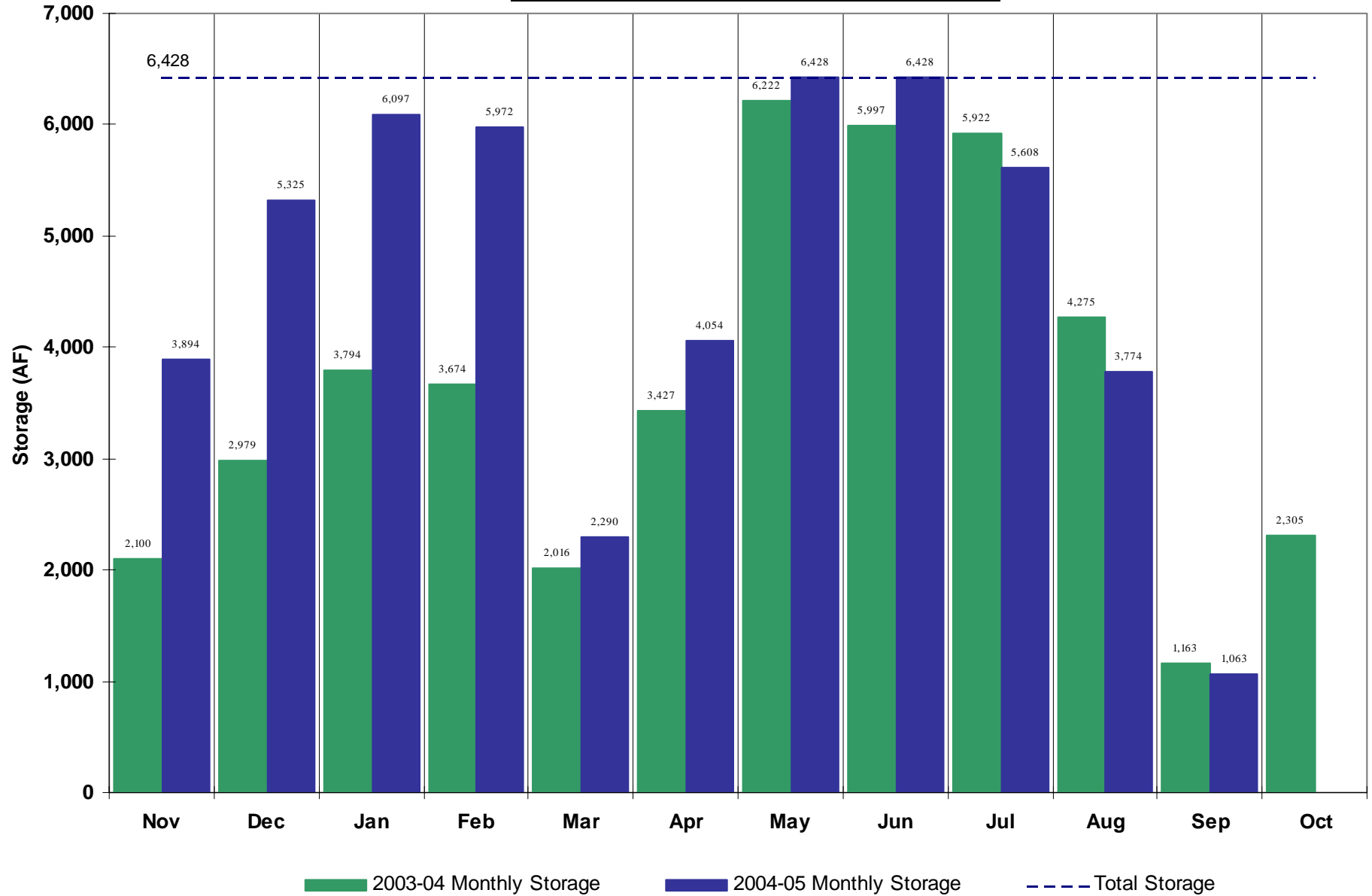
# Fossil Creek Reservoir

(Agricultural)



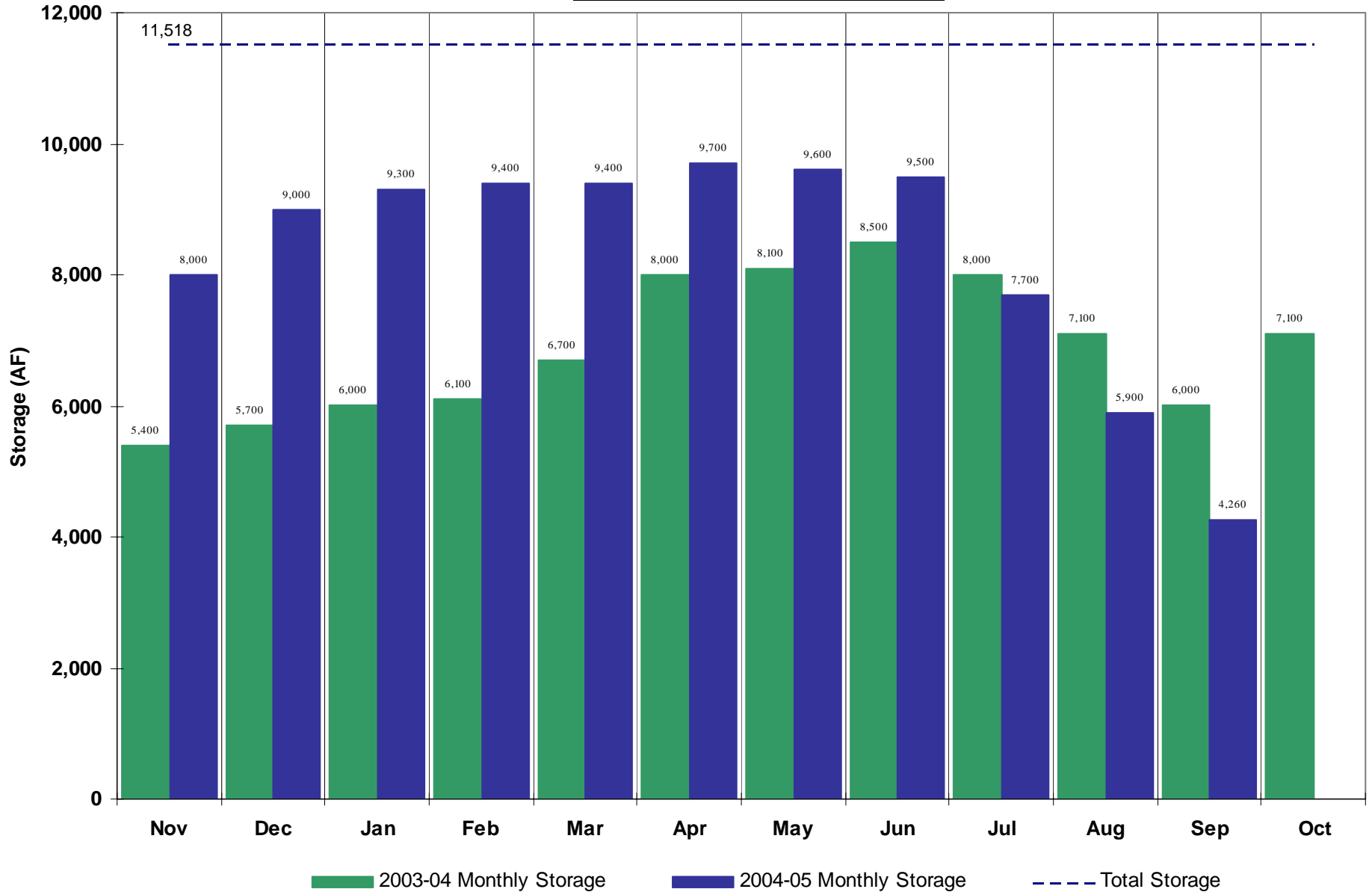
# Halligan Reservoir

(Agricultural)

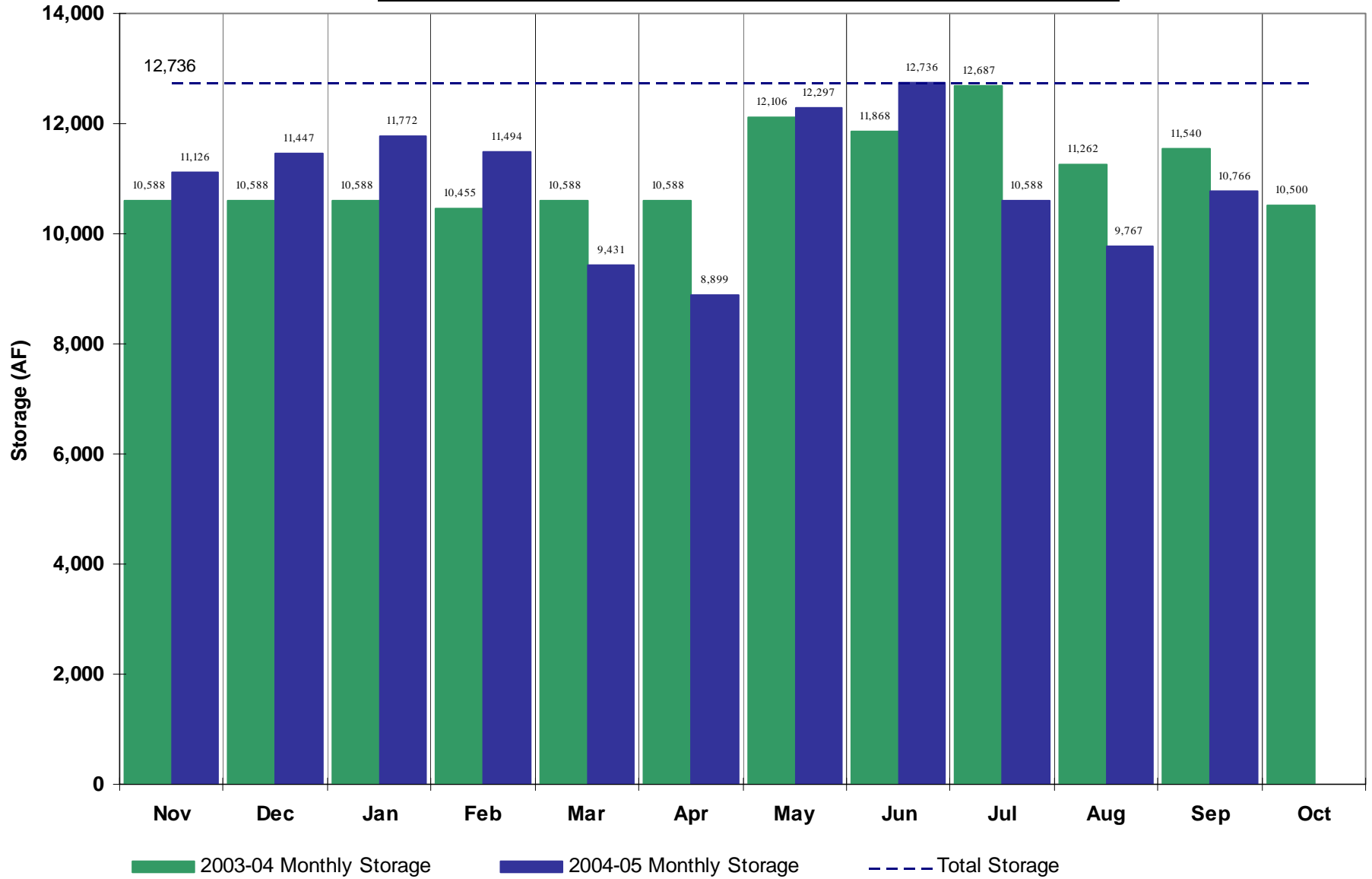




# Marshall Lake (Agricultural)

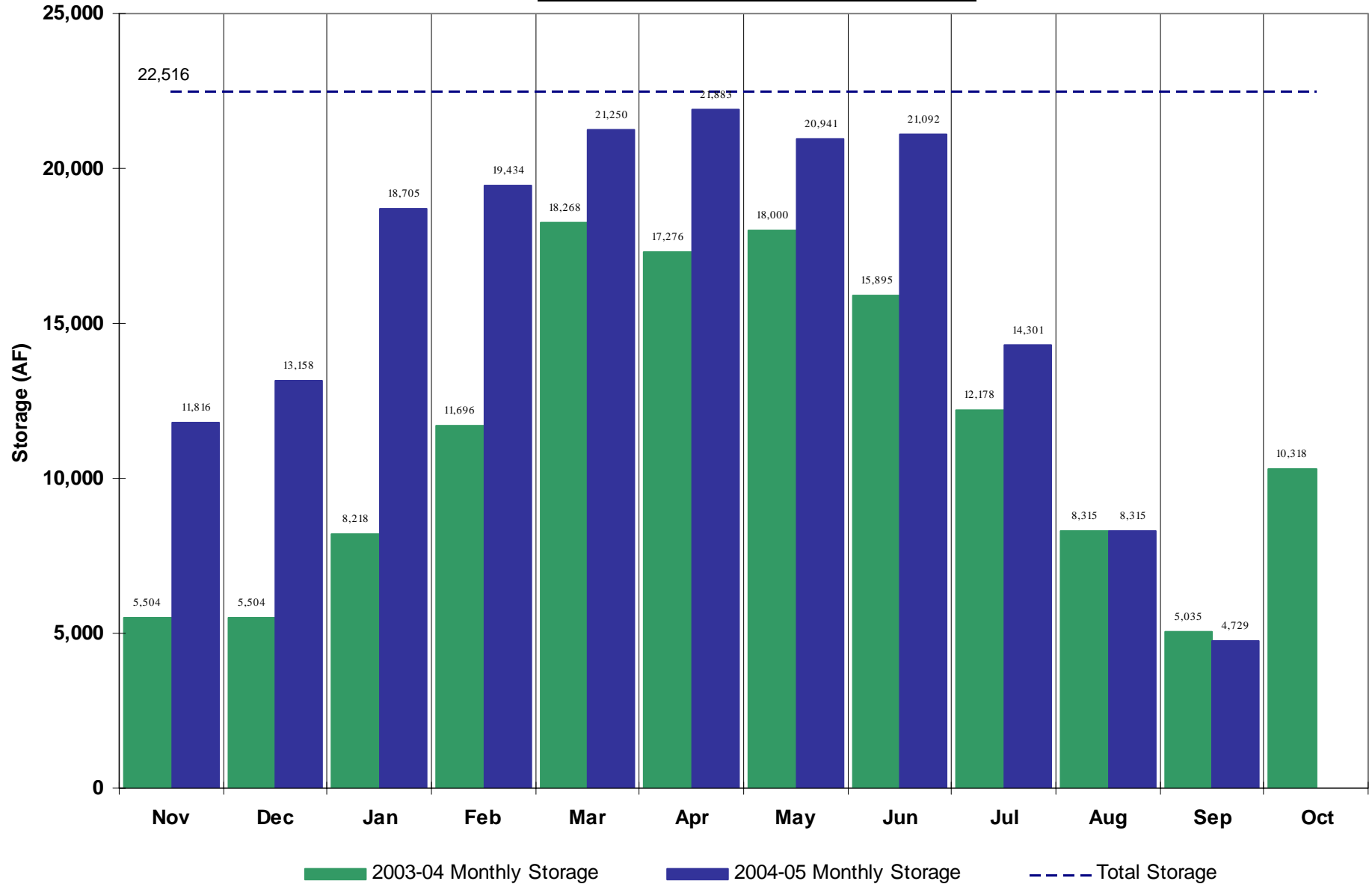


# Loveland Greeley Reservoir (Agricultural)

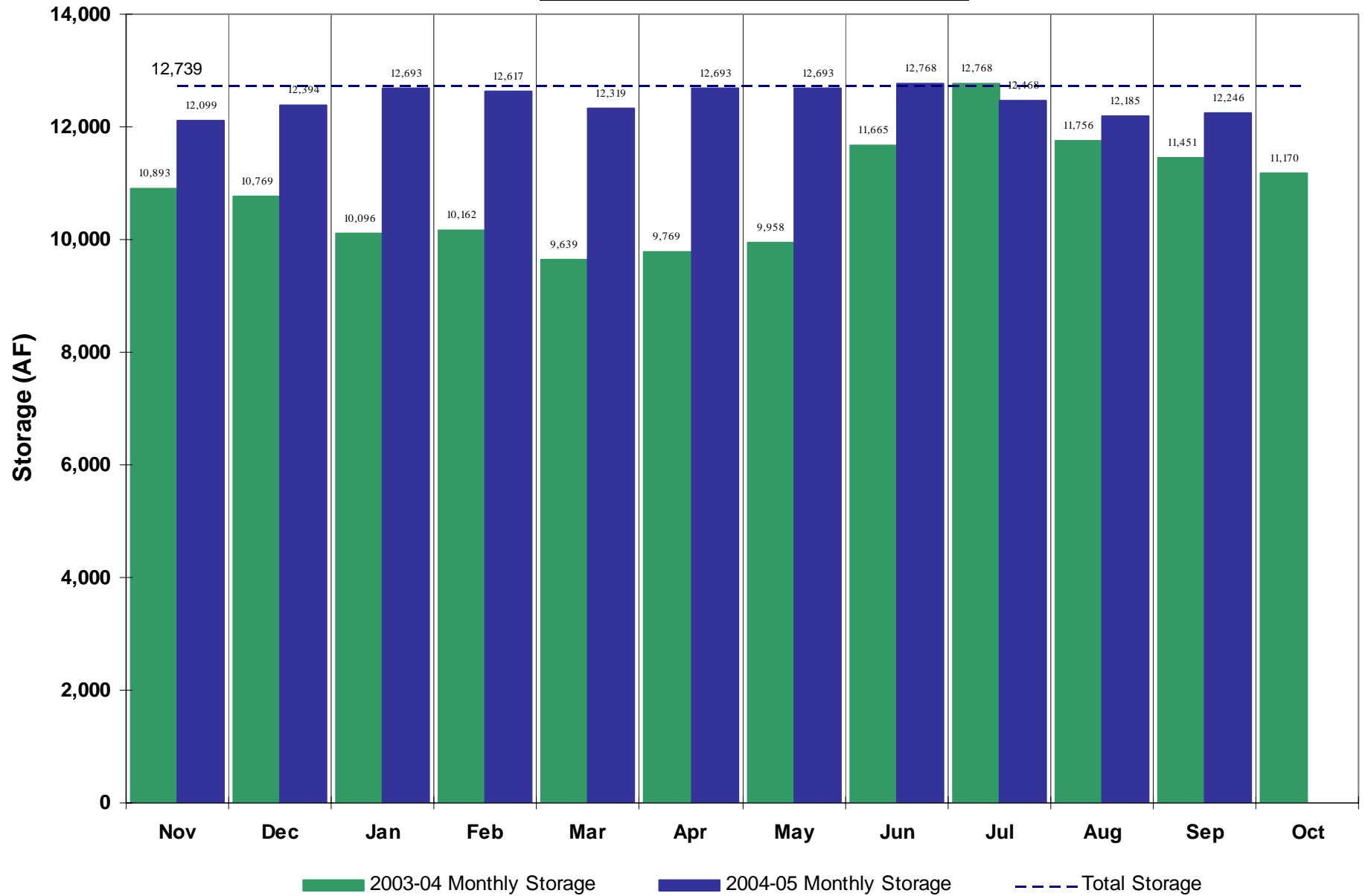


# Milton Reservoir

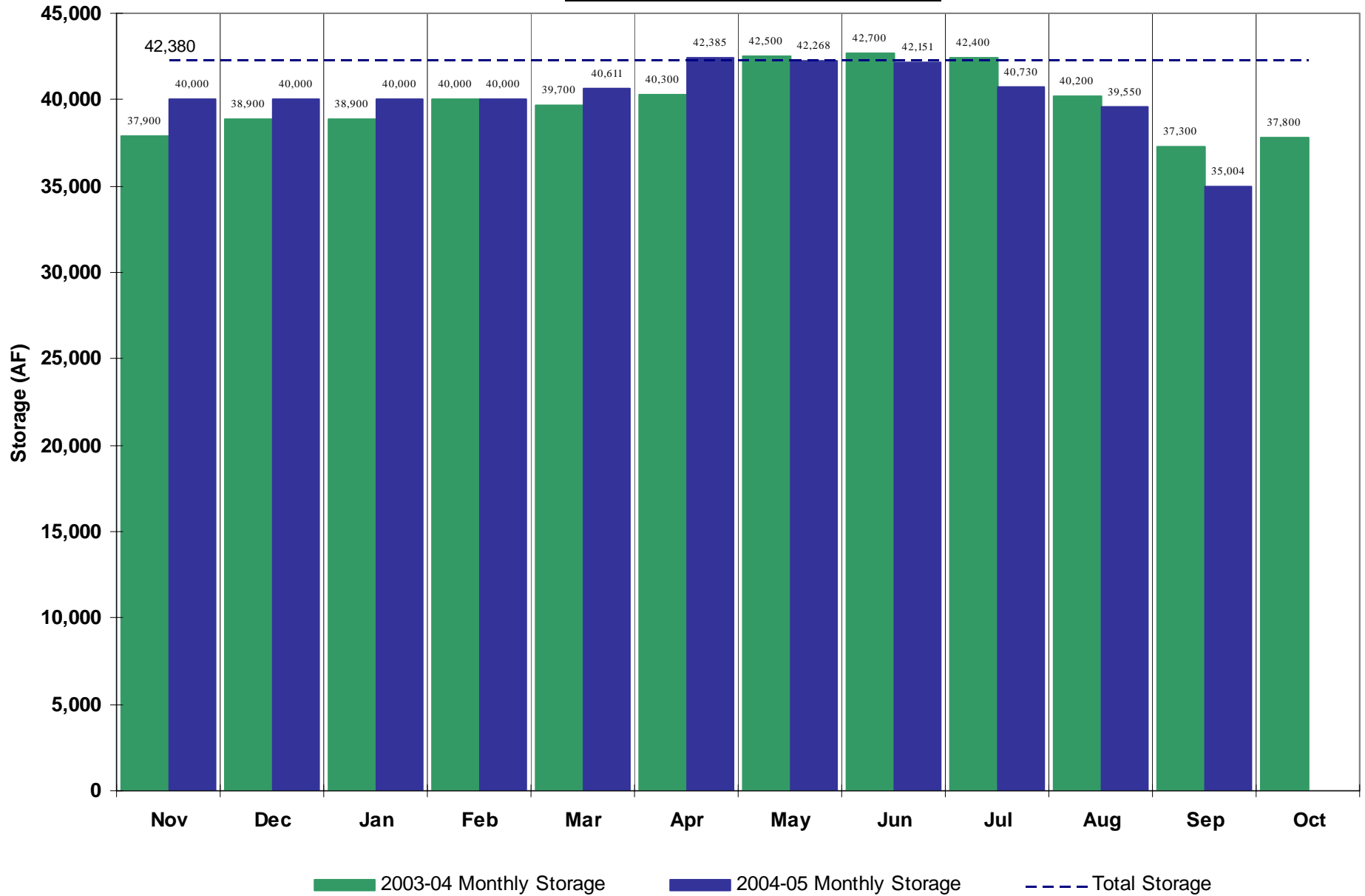
(Agricultural)



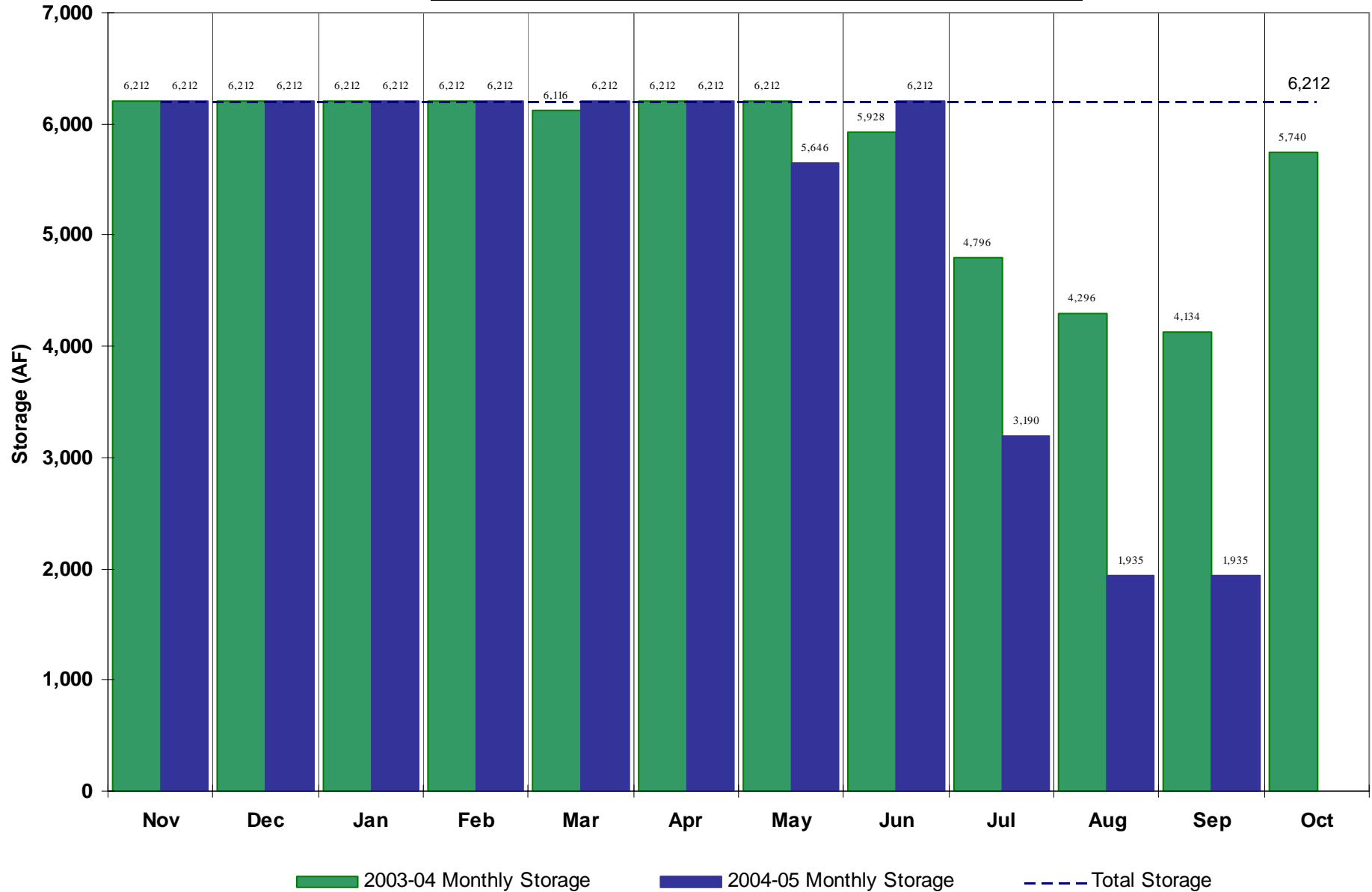
# Union Reservoir (Agricultural)



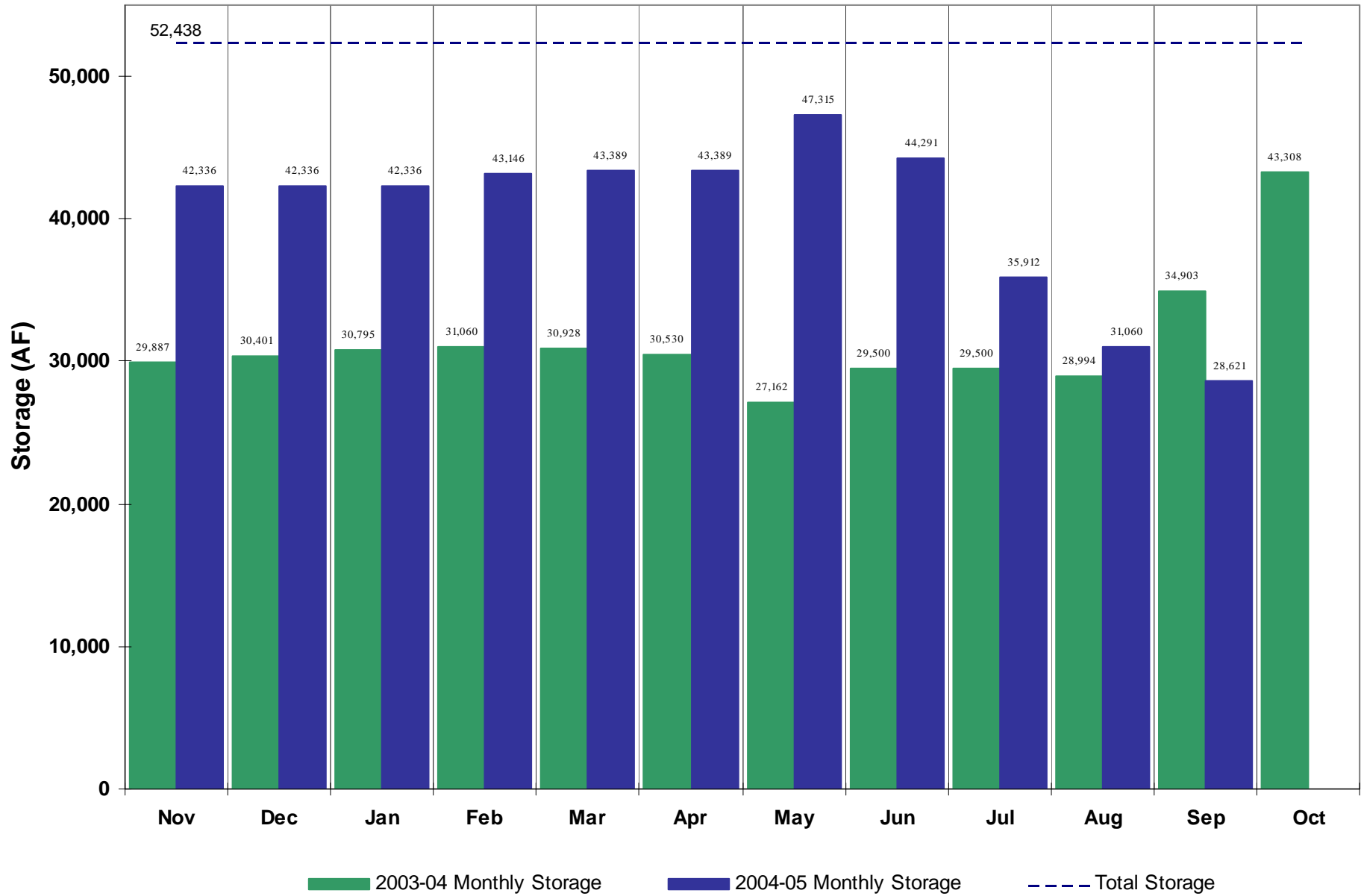
# Standley Lake (Agricultural)



# Lower Latham Reservoir (Agricultural)

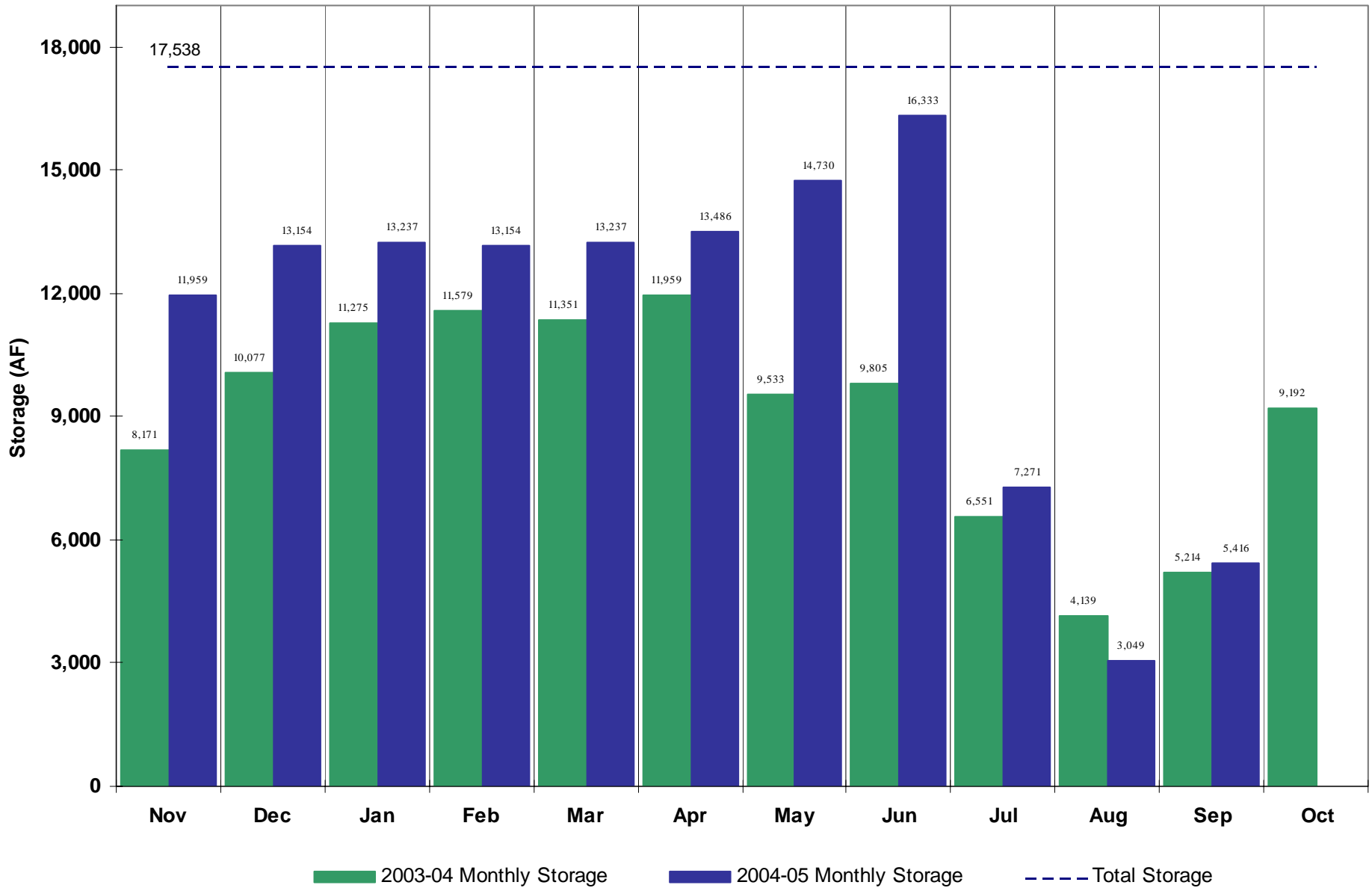


# Boyd Lake (Agricultural)



# Windsor Reservoir

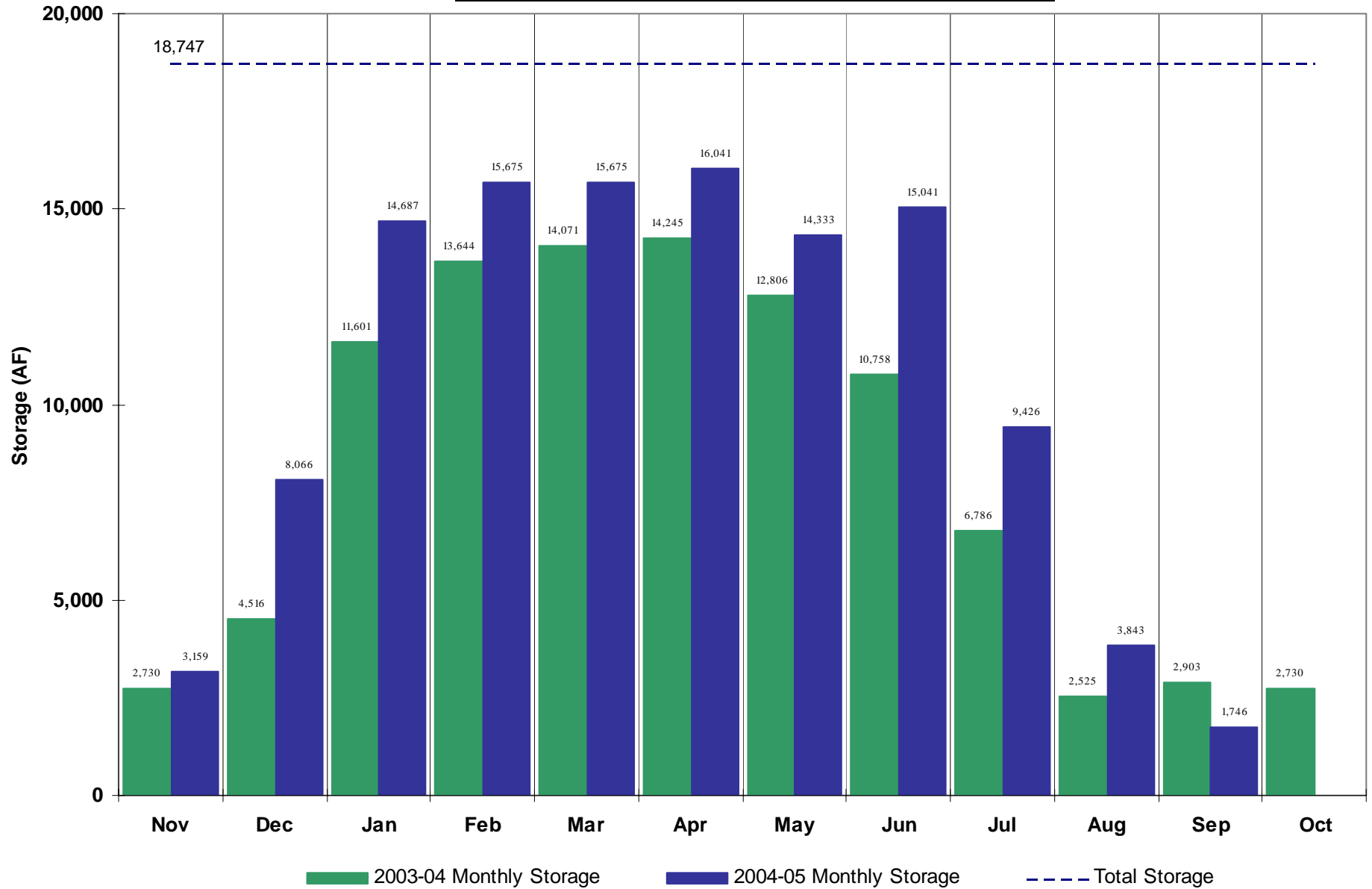
## (Agricultural)



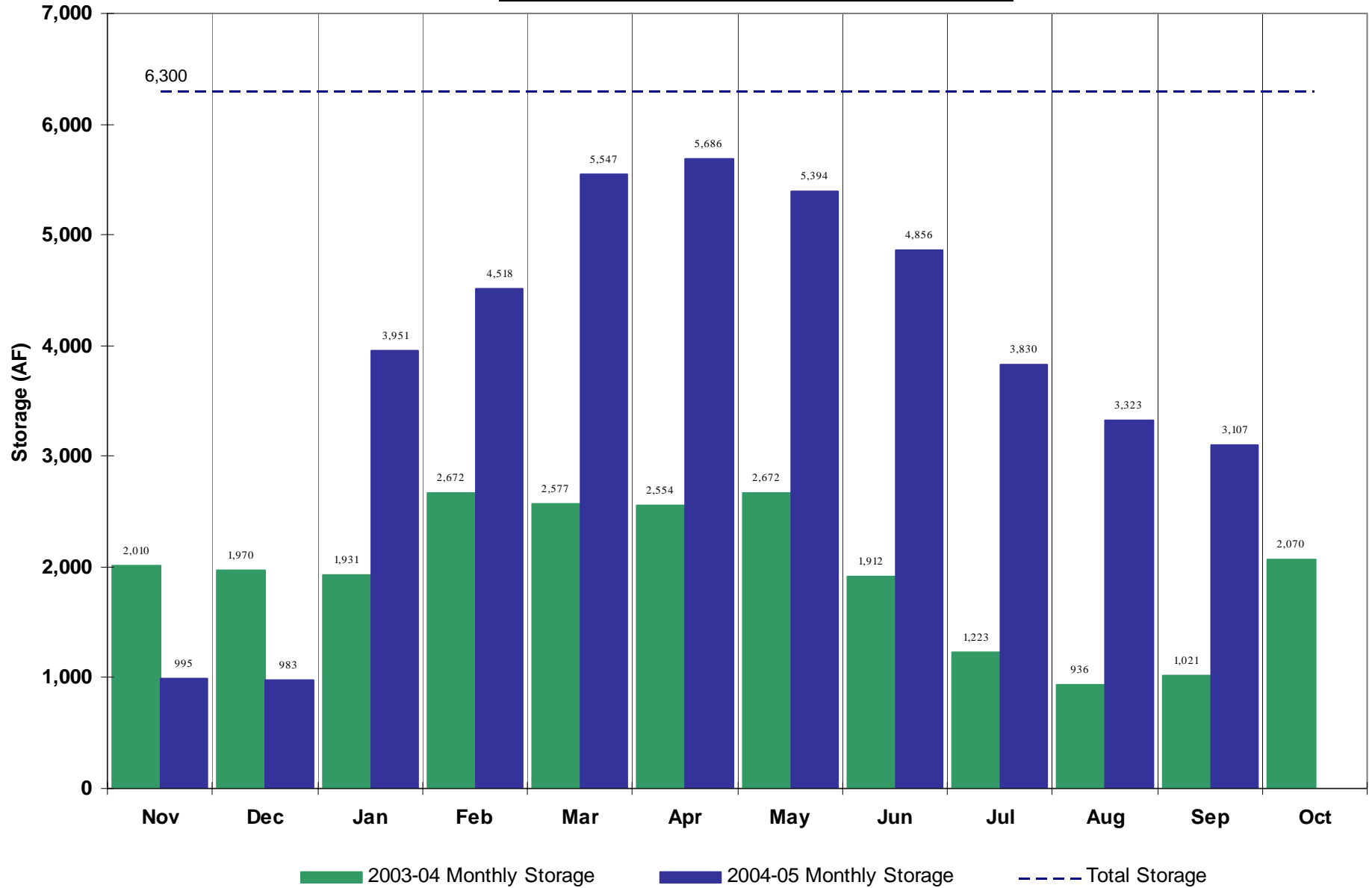


# Horse Creek Reservoir

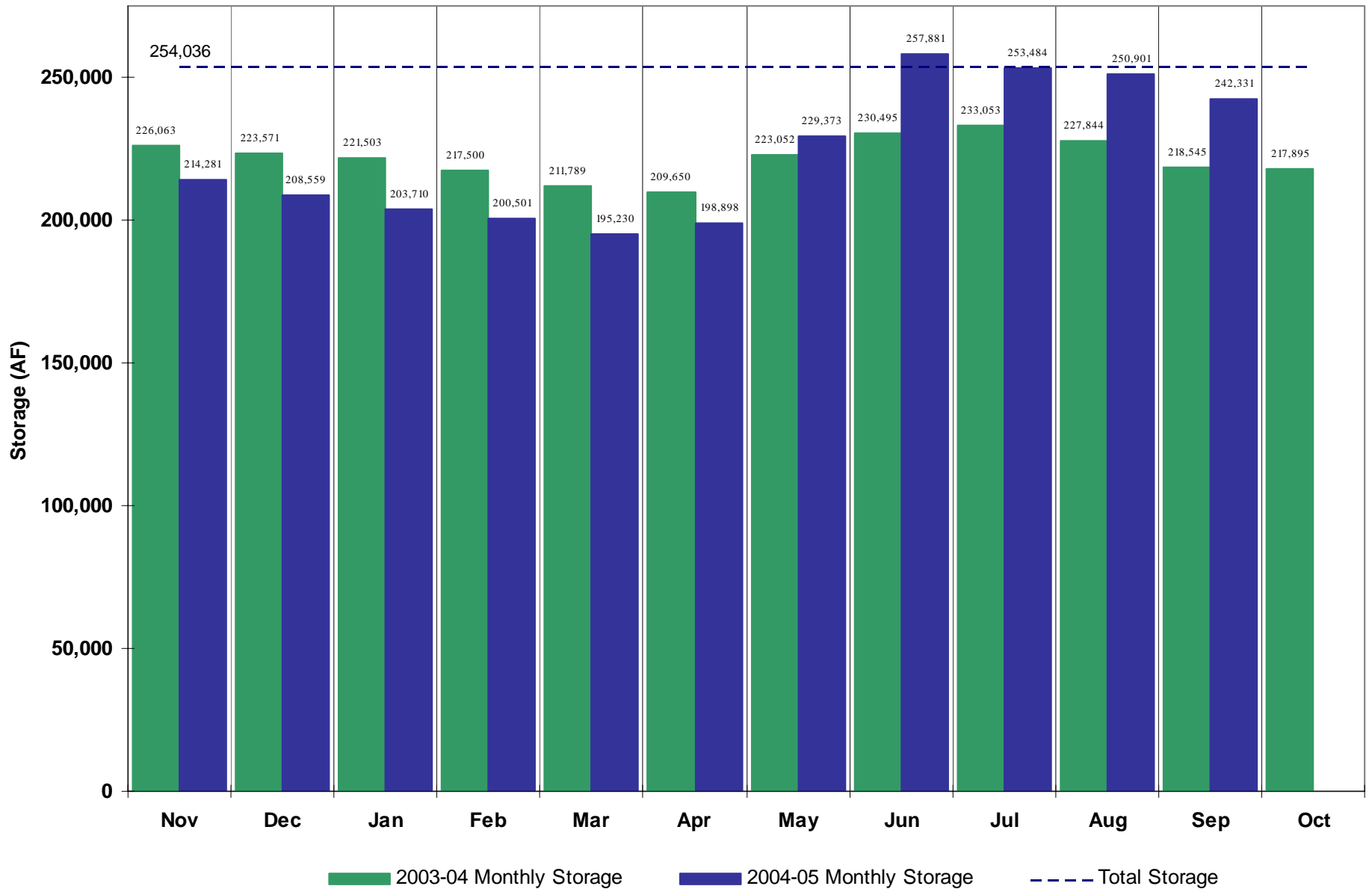
## (Agricultural)



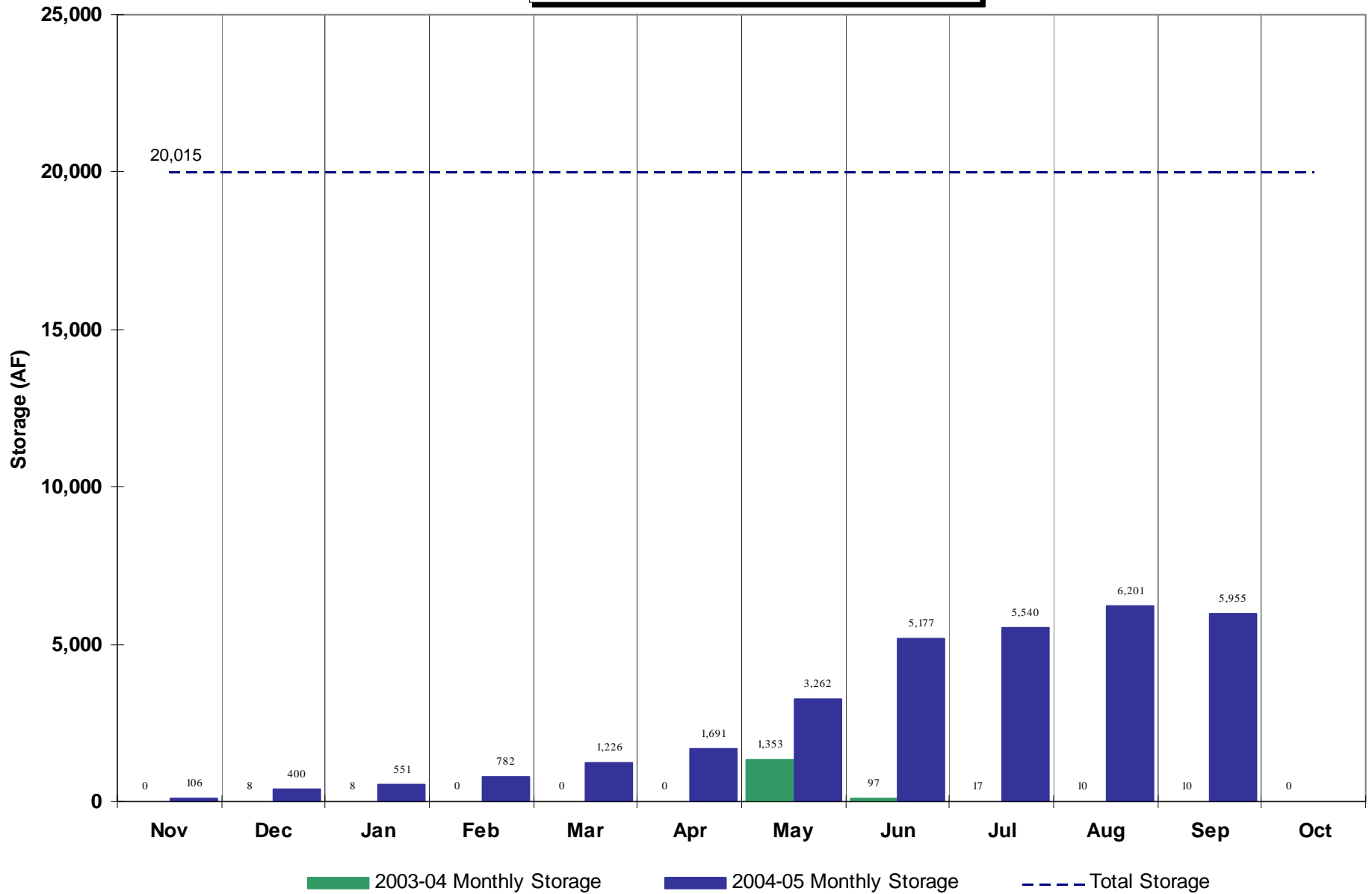
# Prospect Reservoir (Agricultural)



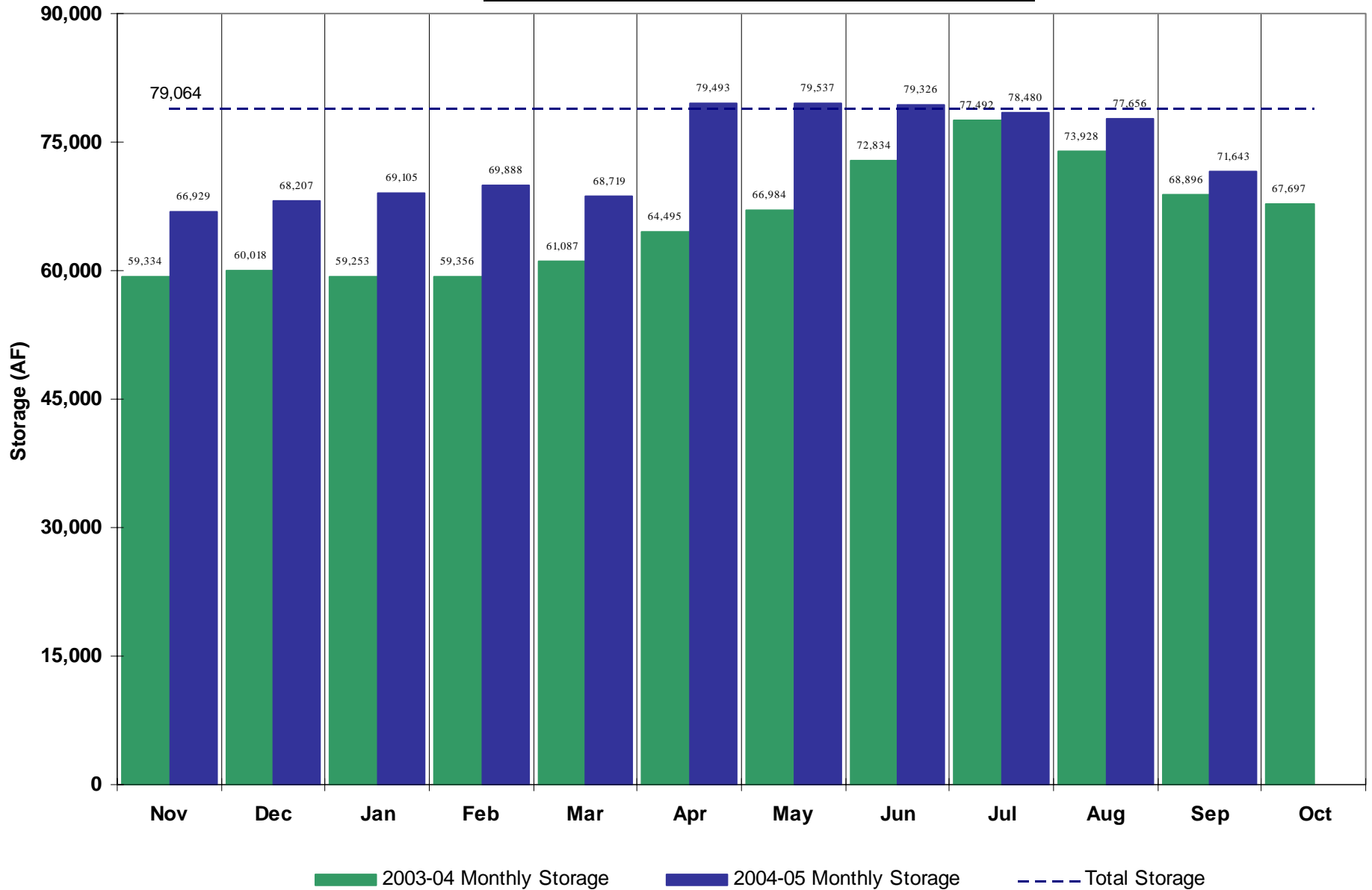
# Dillon Reservoir (Municipal)



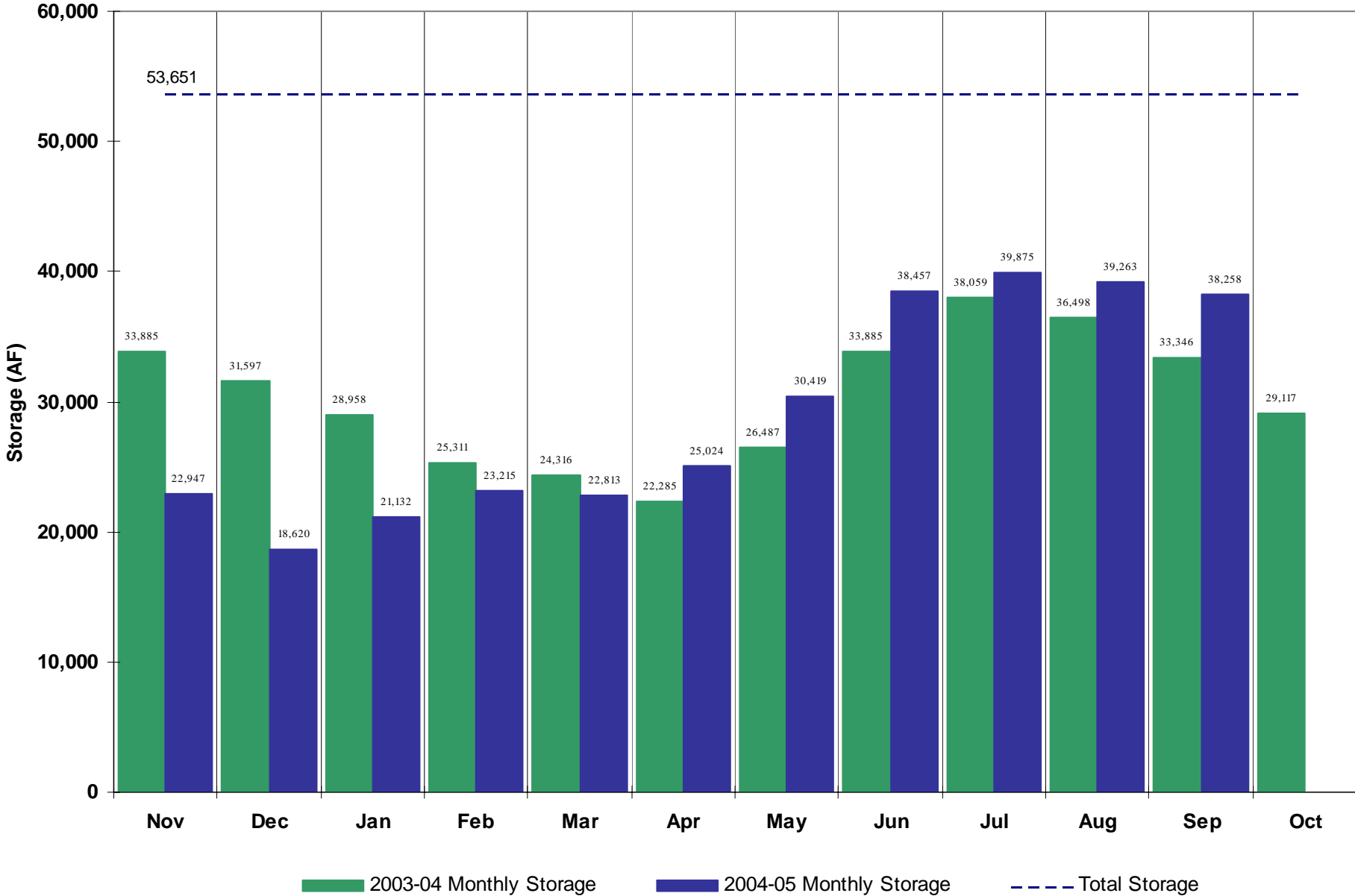
# Antero Reservoir (Municipal)



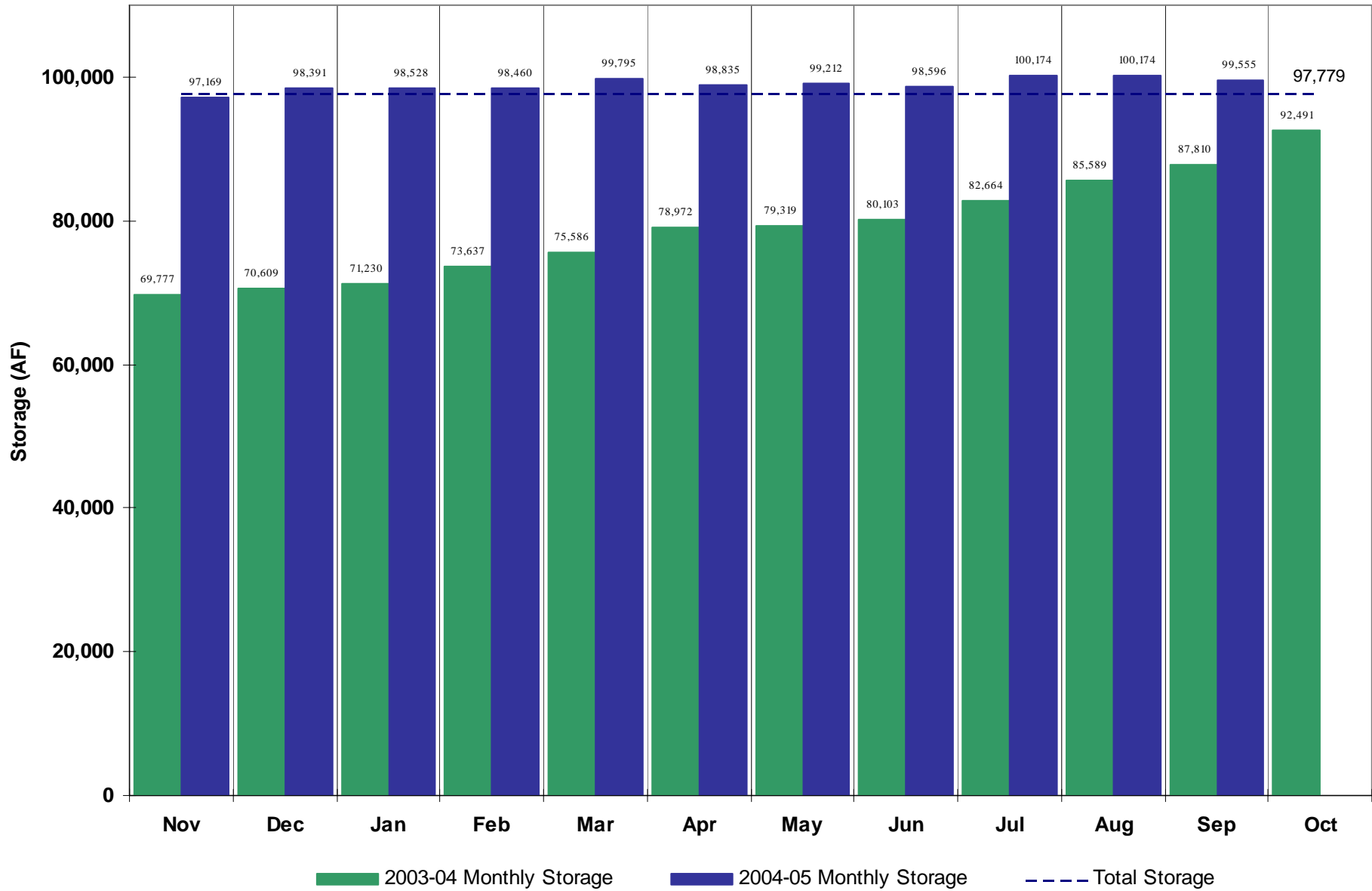
# Cheesman Reservoir (Municipal)



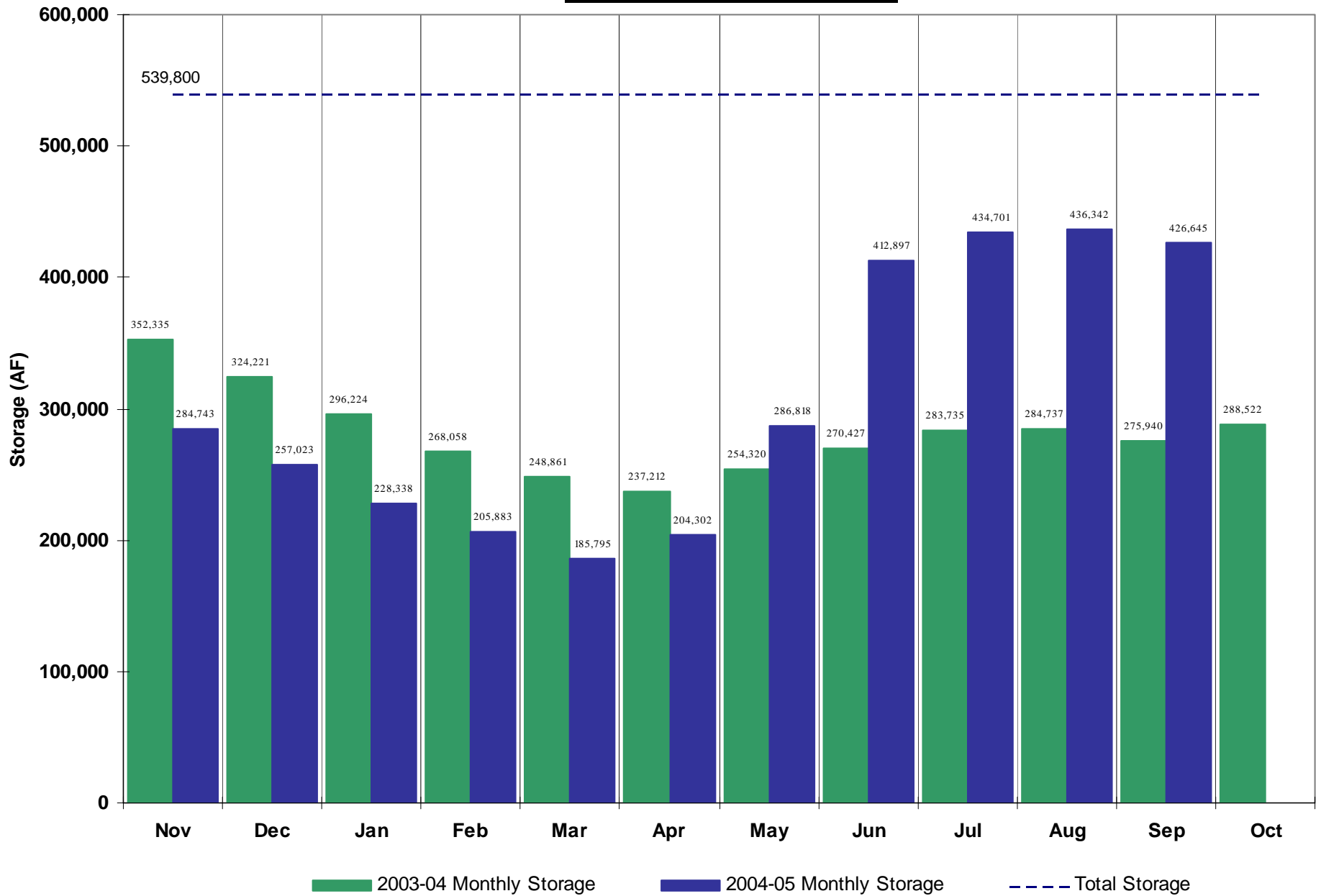
# Spinney Mountain Reservoir (Municipal)



# Eleven Mile Reservoir (Municipal)



# Lake Granby





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



**South Platte Dam Inspection**