

# South Platte Summary

July 2005



**Bear Creek Reservoir**

By Claudia Engelmann



**COLORADO DIVISION OF  
WATER RESOURCES**

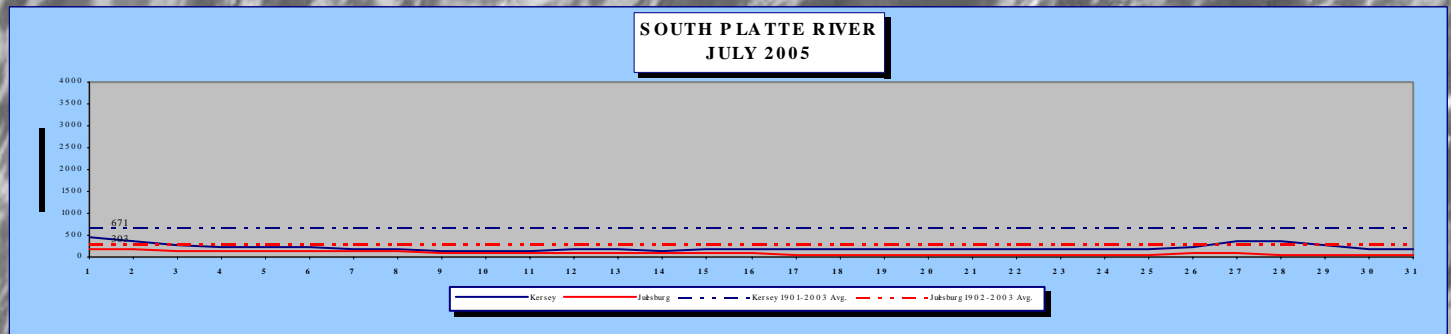
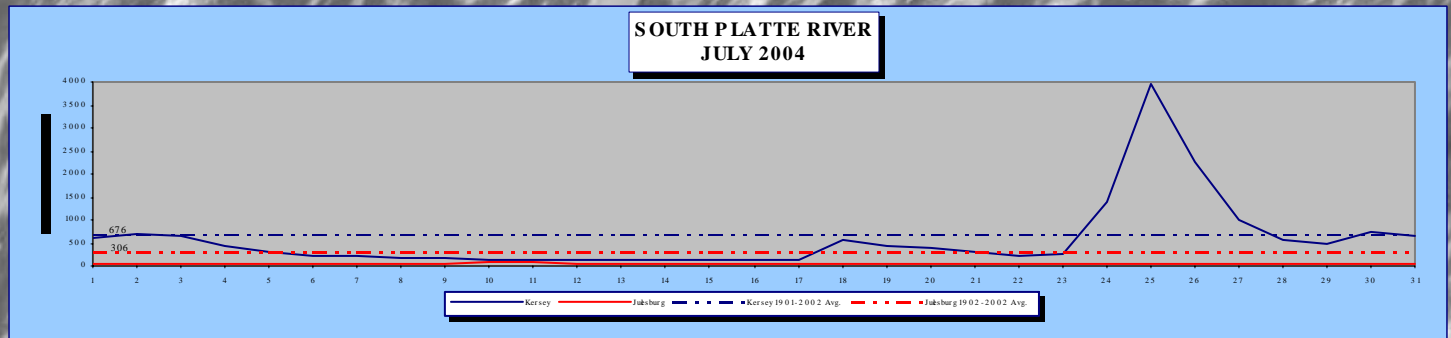
DEPARTMENT OF NATURAL RESOURCES

# COLORADO DIVISION OF WATER RESOURCES, DIVISION 1

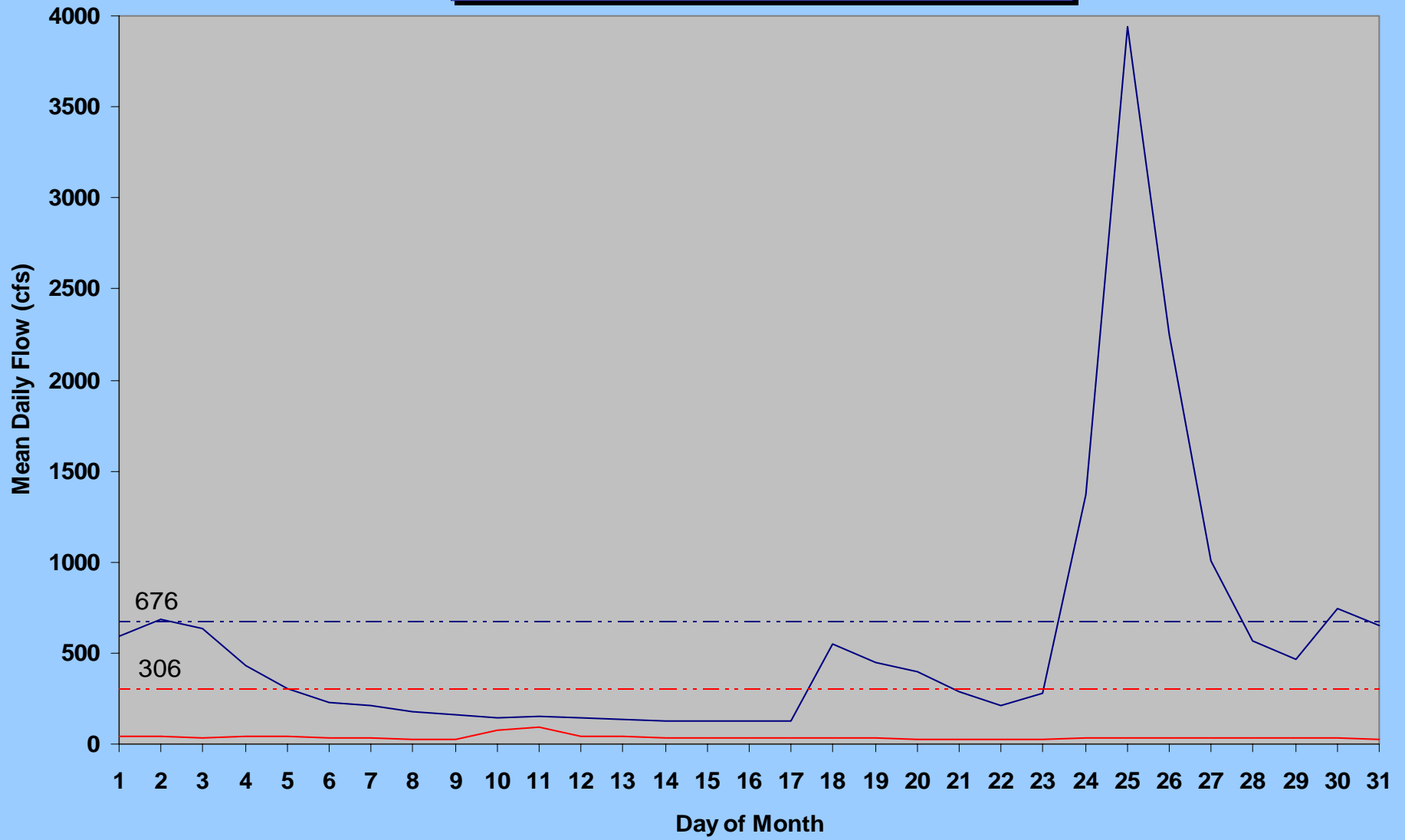
## MONTH OF JULY 2005

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	21,990	16,787	64	-5,203	-24%	74%	59%	0
N STERLING	73,730	72,160	47,120	64	-25,040	-35%	64%	39%	0
PREWITT	28,500	27,560	20,170	64	-7,390	-27%	71%	23%	0
JACKSON	27,257	26,920	17,587	1	-9,333	-35%	65%	61%	0
EMPIRE	37,700	31,246	14,952	1	-16,294	-52%	40%	6%	0
RIVERSIDE	63,113	63,113	43,734	1	-19,379	-31%	69%	39%	0
BARR LAKE	31,652	29,431	18,961	2	-10,470	-36%	60%	44%	0
CHEESMAN	79,064	79,326	78,480	80	-846	-1%	99%	98%	0
ELEVEN MILE	97,779	98,596	100,174	23	1,578	2%	100%	85%	2,395
SPINNEY	53,651	38,457	39,875	23	1,418	4%	74%	71%	0
ANTERO	20,015	5,177	5,540	23	363	7%	28%	0%	0

RIVER GAGES	MEAN DAILY FLOW (CFS)
<b>KERSEY</b>	<b>216</b>
<b>JULESBURG</b>	<b>91</b>
<b>THIS MONTH LAST YEAR</b>	
<b>KERSEY</b>	<b>570</b>
<b>JULESBURG</b>	<b>37</b>
<b>MEAN FOR PERIOD OF RECORD*</b>	
<b>KERSEY</b>	<b>671</b>
<b>JULESBURG</b>	<b>303</b>
* 1901-2003	
1902-2003	

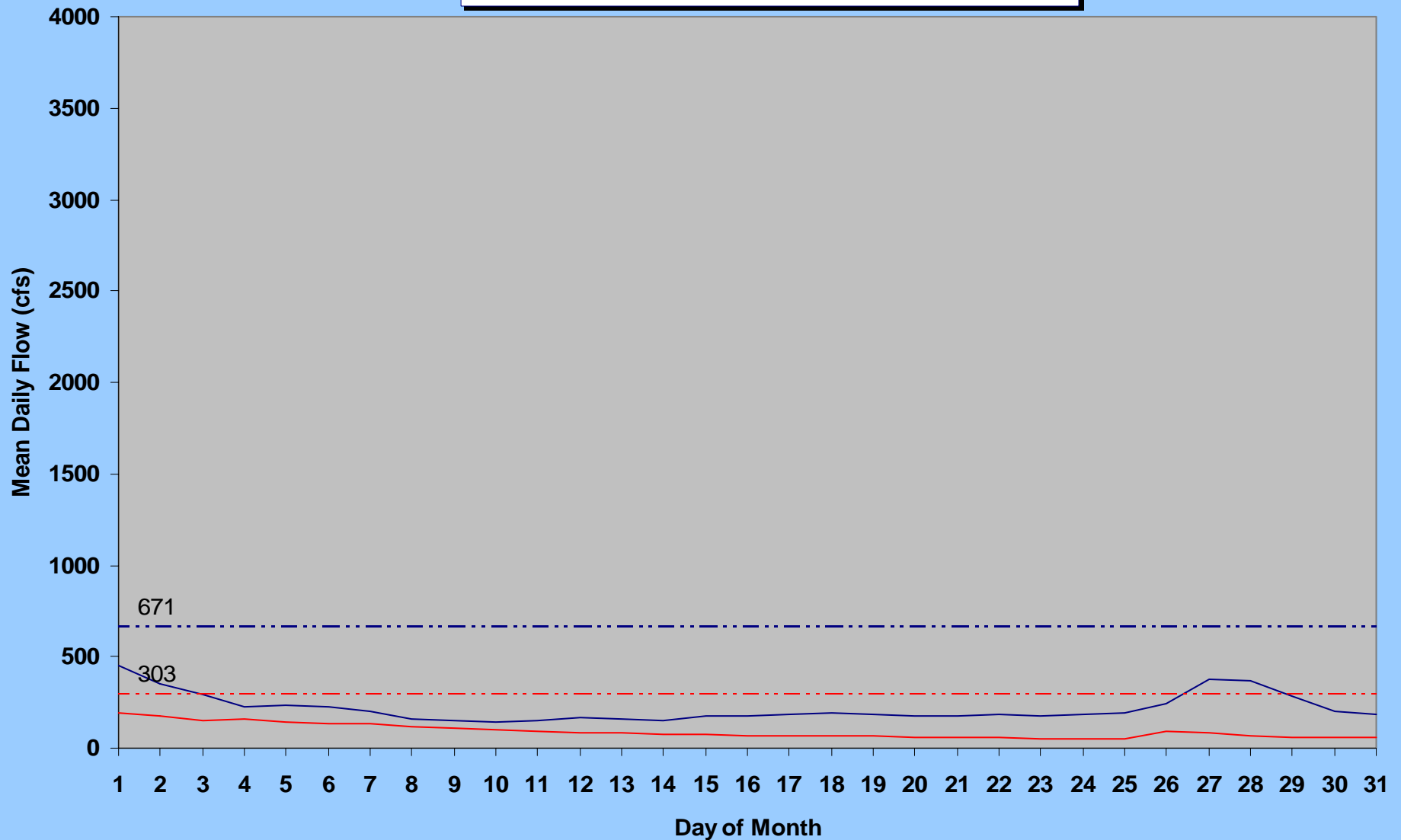


# SOUTH PLATTE RIVER JULY 2004



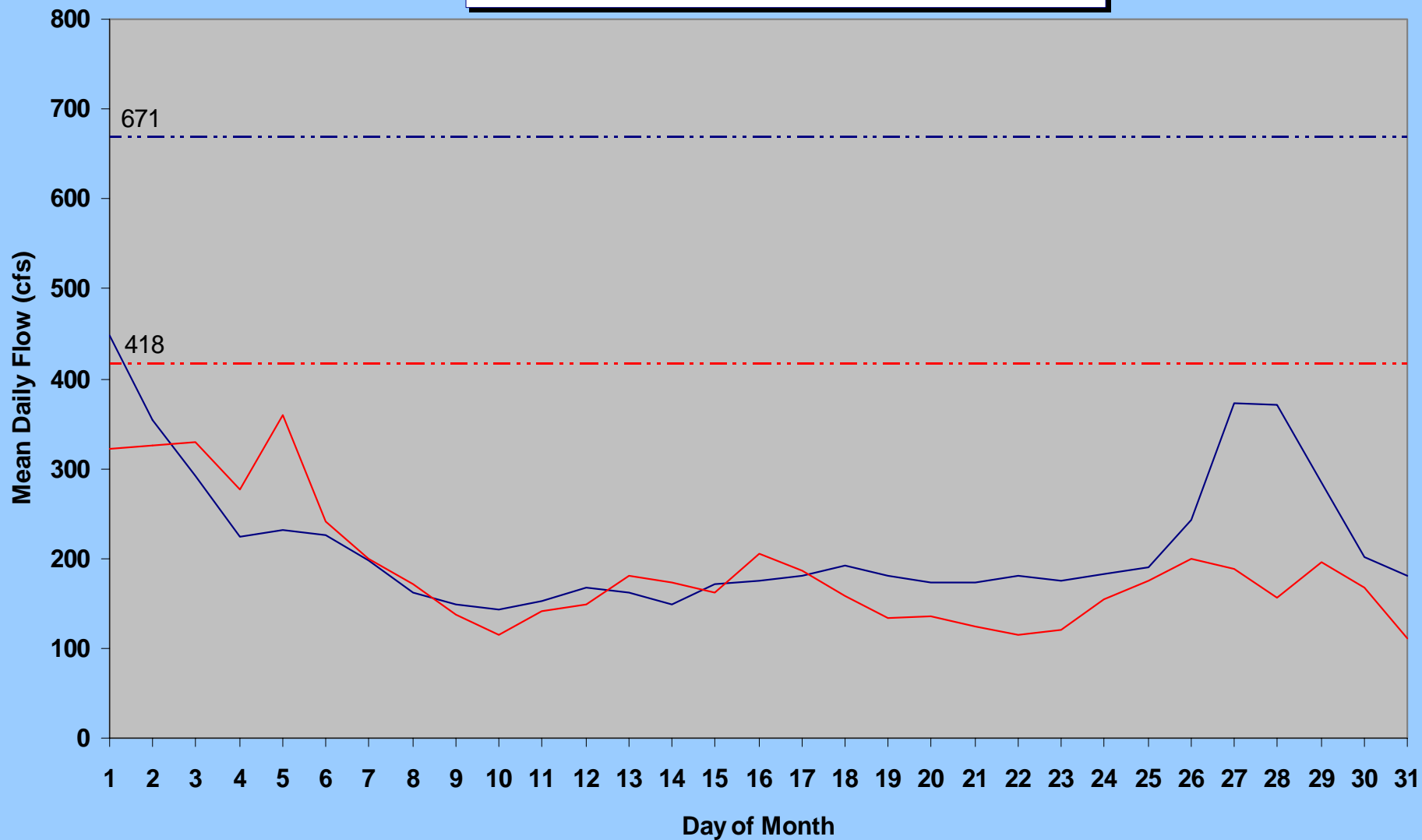
— Kersey — Julesburg - - - Kersey 1901-2002 Avg. - - - Julesburg 1902-2002 Avg.

# SOUTH PLATTE RIVER JULY 2005



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

# KERSEY and BALZAC JULY 2005



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

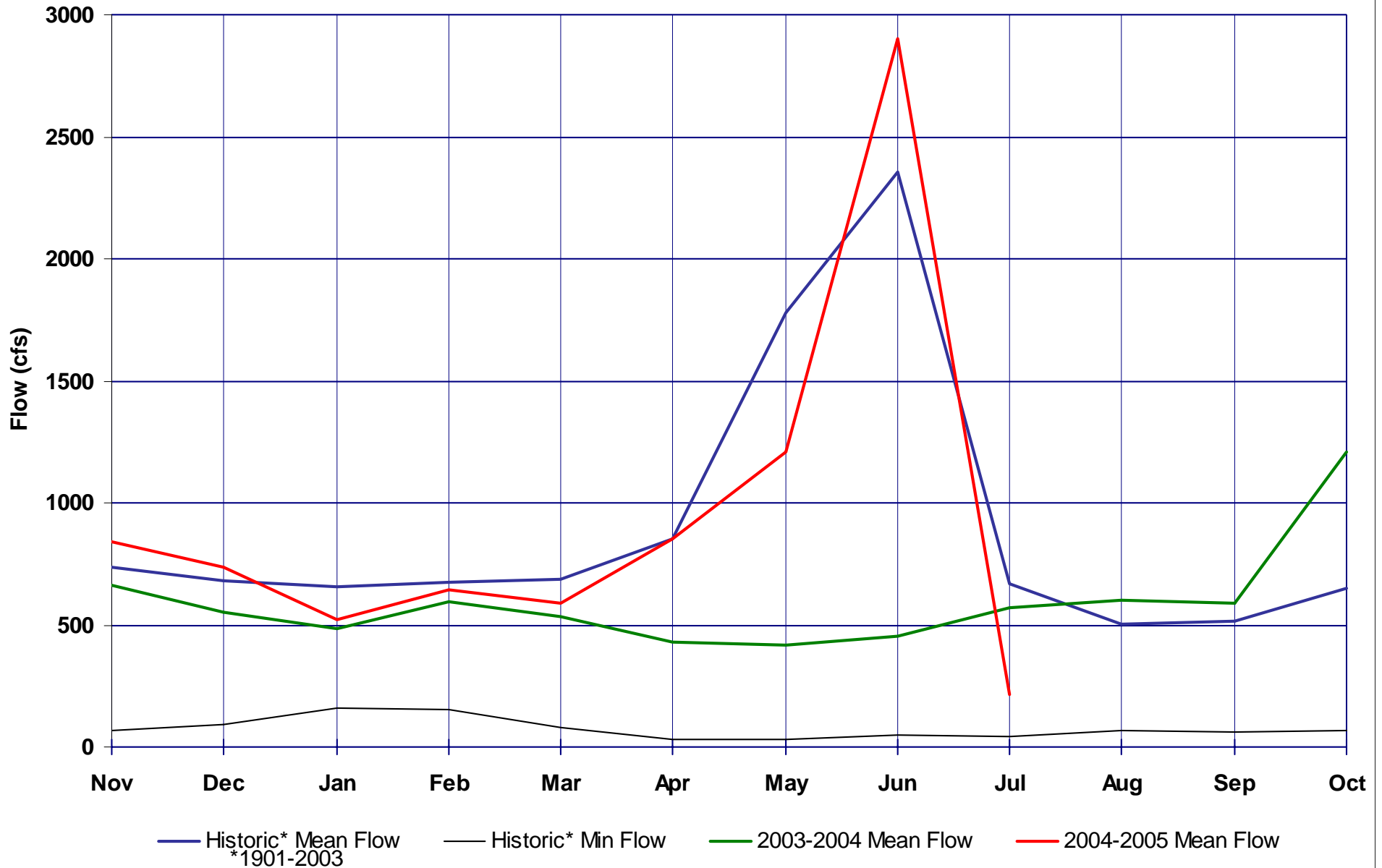
\*Period of record 1901-2003

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Dillon Reservoir

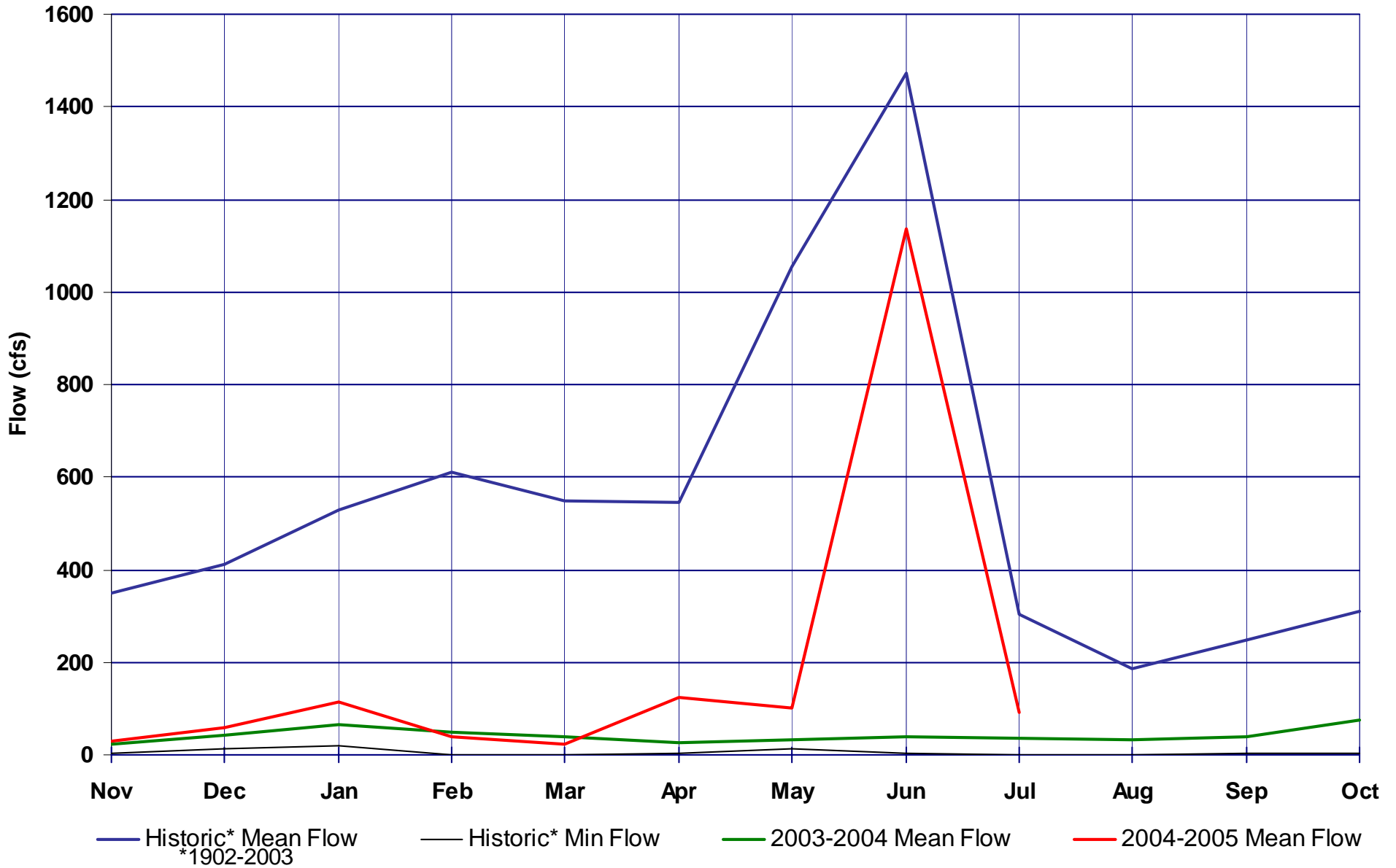
# South Platte River at Kersey

Irrigation Water Year



# South Platte River at Julesburg

Irrigation Water Year





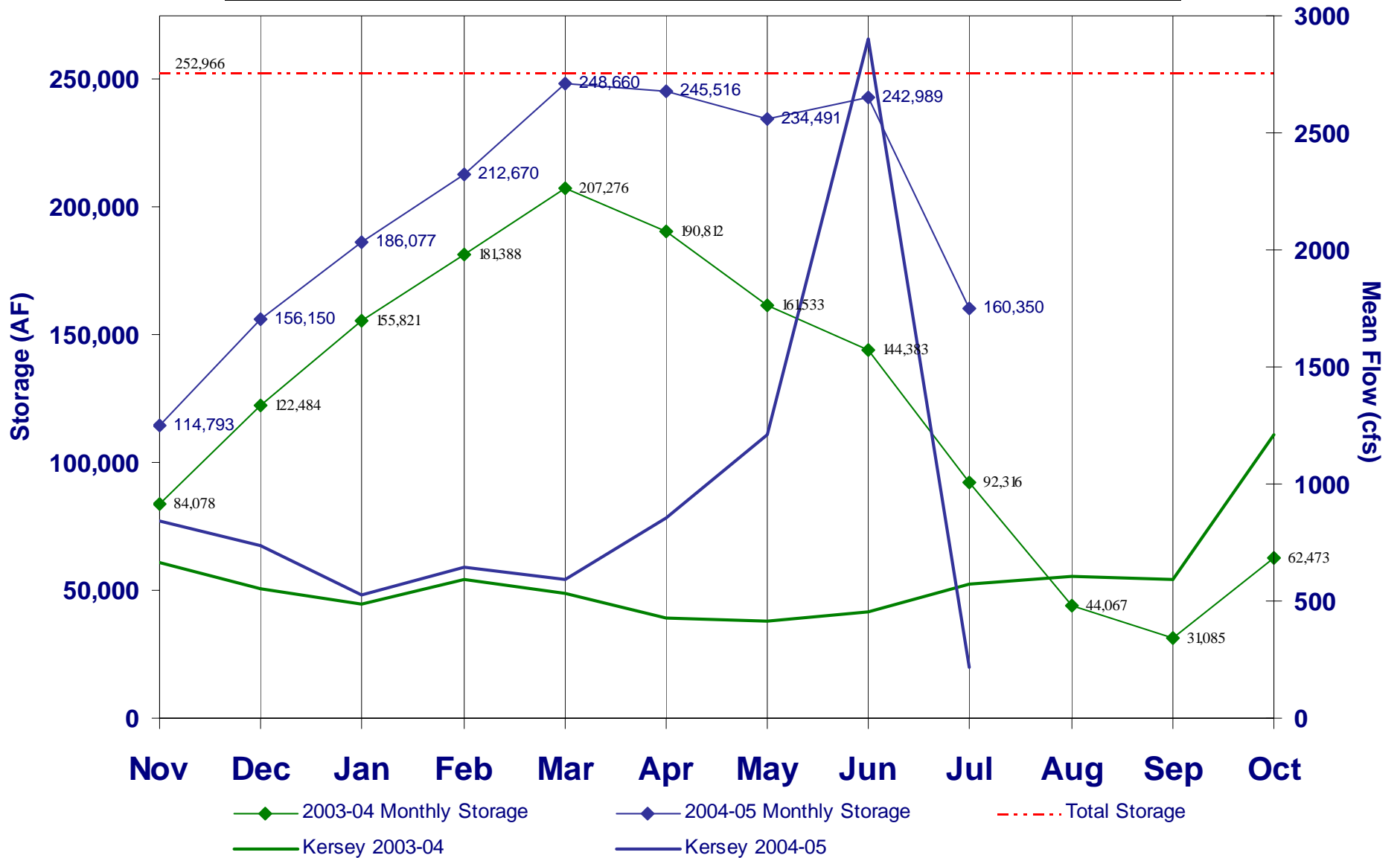


**Next four slides show  
Reservoir Storage  
below and above Kersey**

**Rueter-Hess Reservoir  
Construction  
(photo by Mark Trivisonno)**

# Reservoir Storage below Kersey

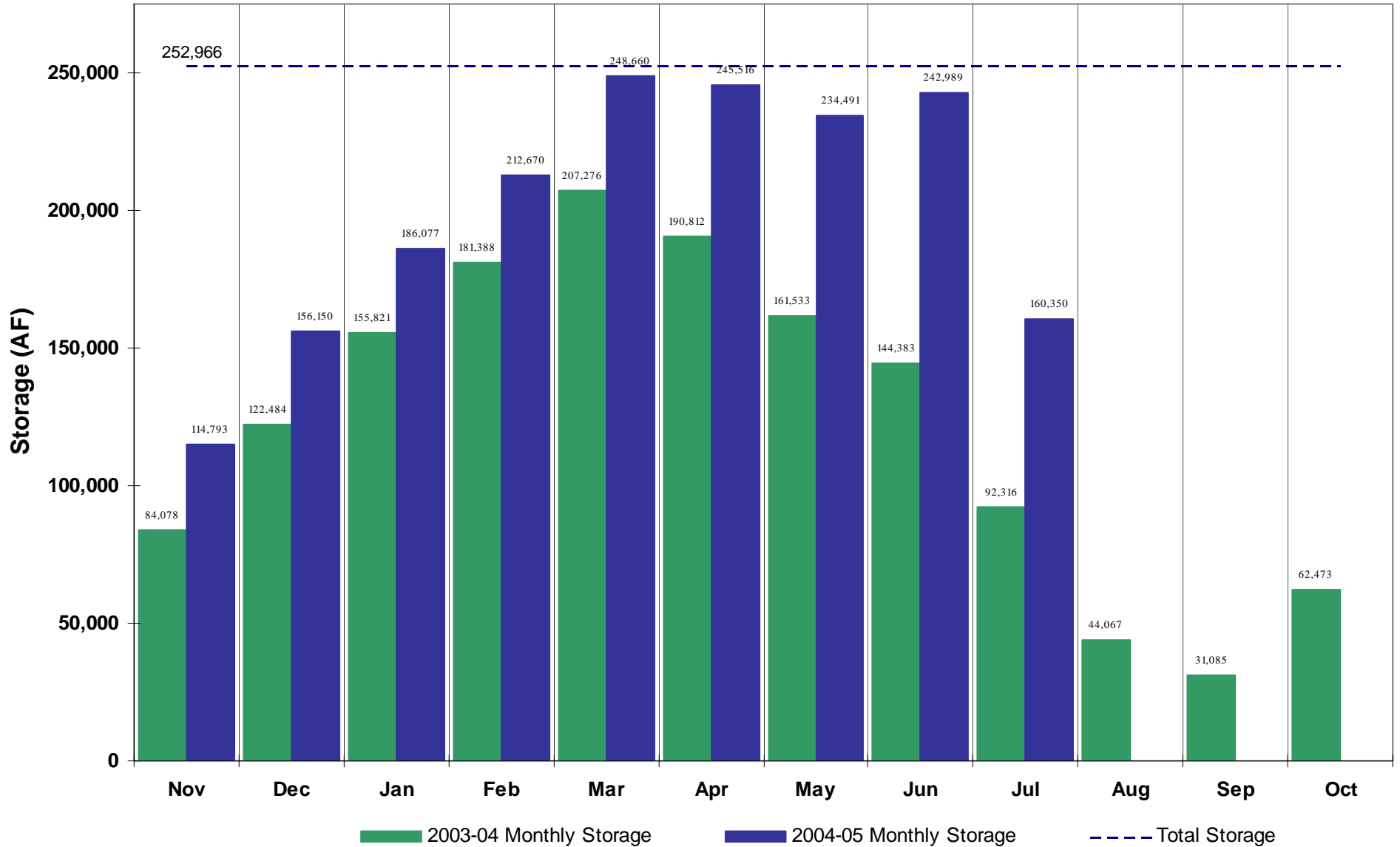
## Selected Reservoirs\*



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

# South Platte Reservoirs

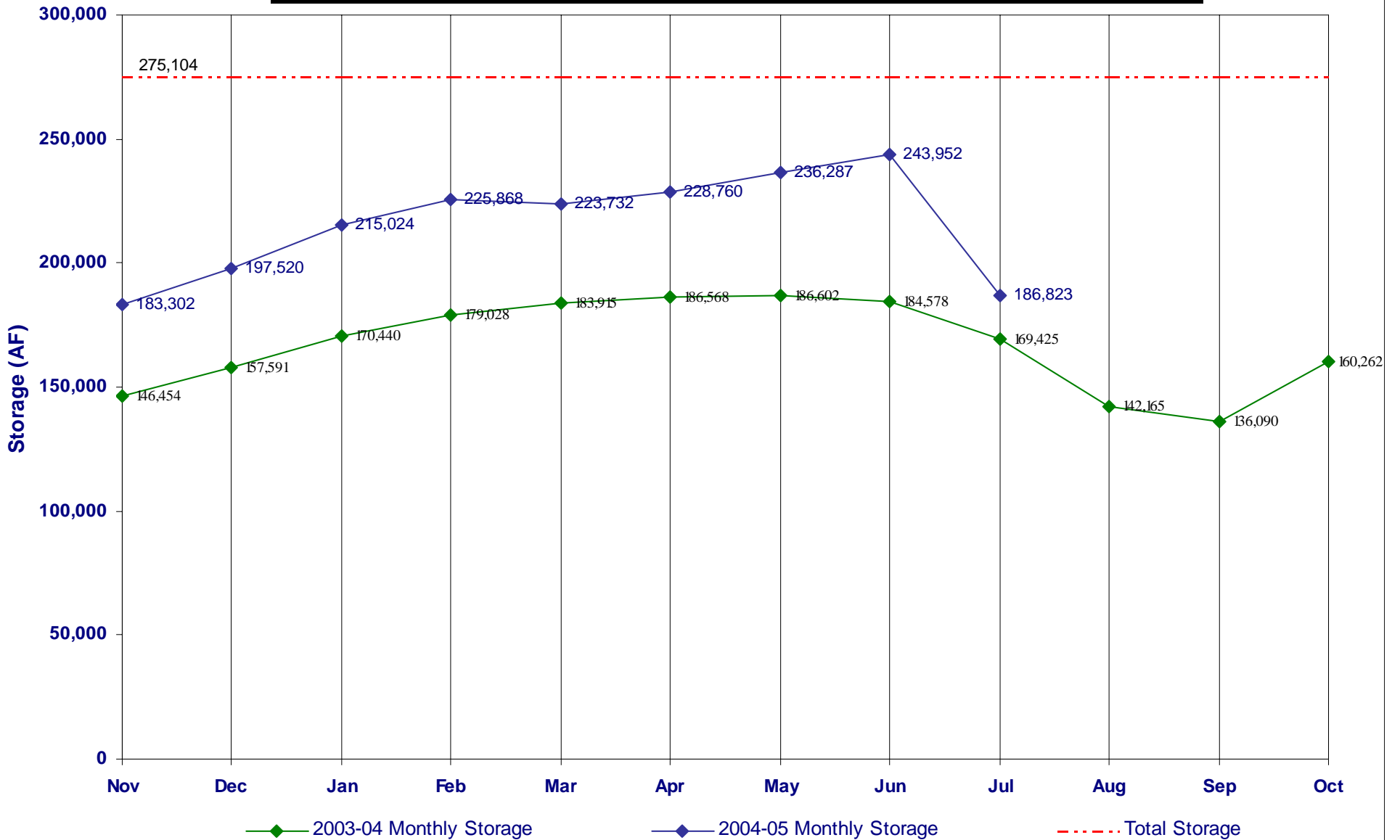
## Storage below Kersey\*



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

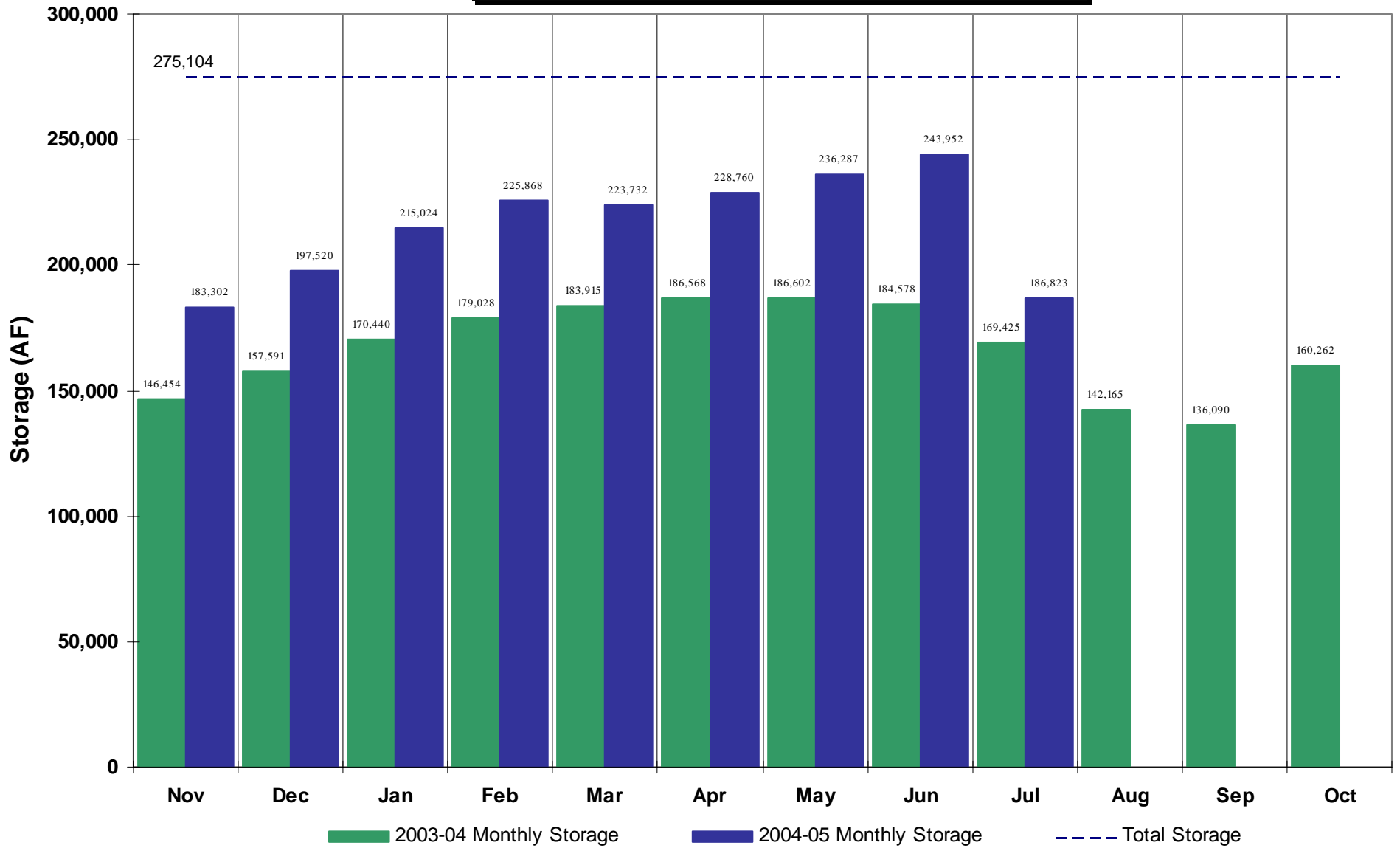
# Reservoir Storage above Kersey

Selected Reservoirs\*



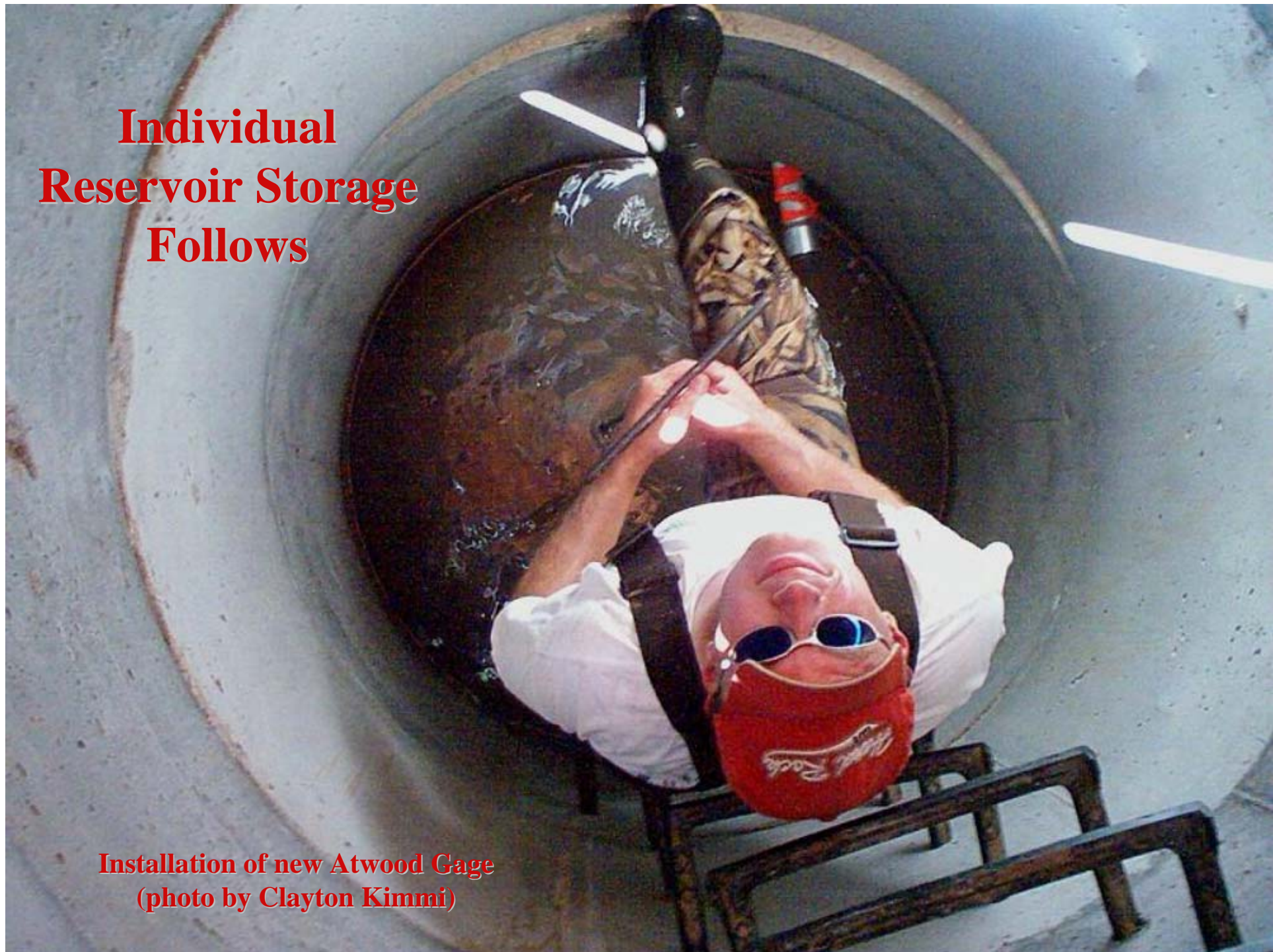
\*Barr, Cobb, Fossil Crk, Halligan, Marshall, Milton, Union, Standley, Lower Latham, Boyd, Loveland, Windsor, Horse Crk, & Prospect

# South Platte Reservoirs Storage above Kersey\*



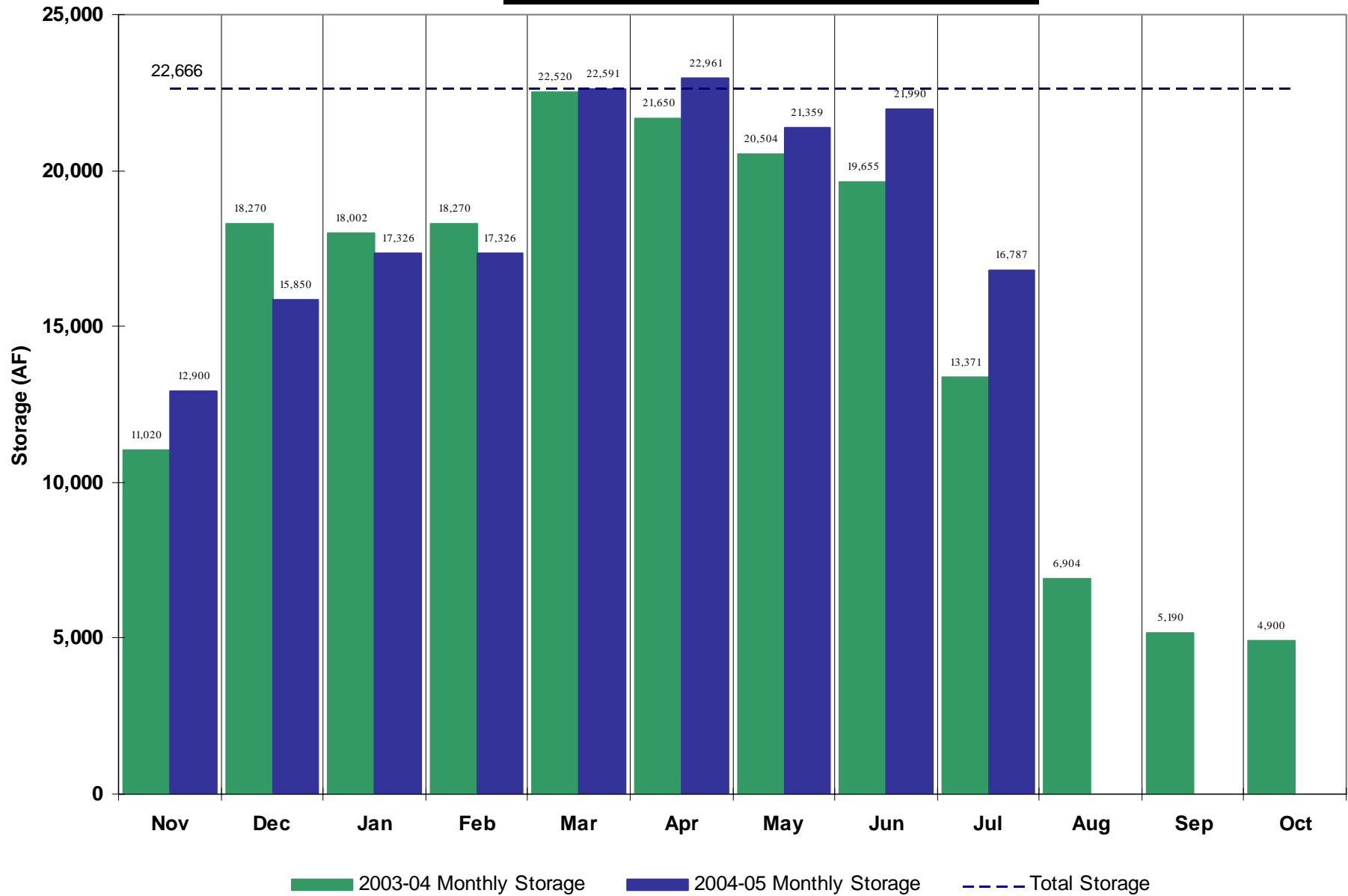
\*Barr, Cobb, Fossil Crk, Halligan, Marshall, Milton, Union, Standley, Lower Latham, Boyd, Loveland, Windsor, Horse Crk, & Prospect

**Individual  
Reservoir Storage  
Follows**

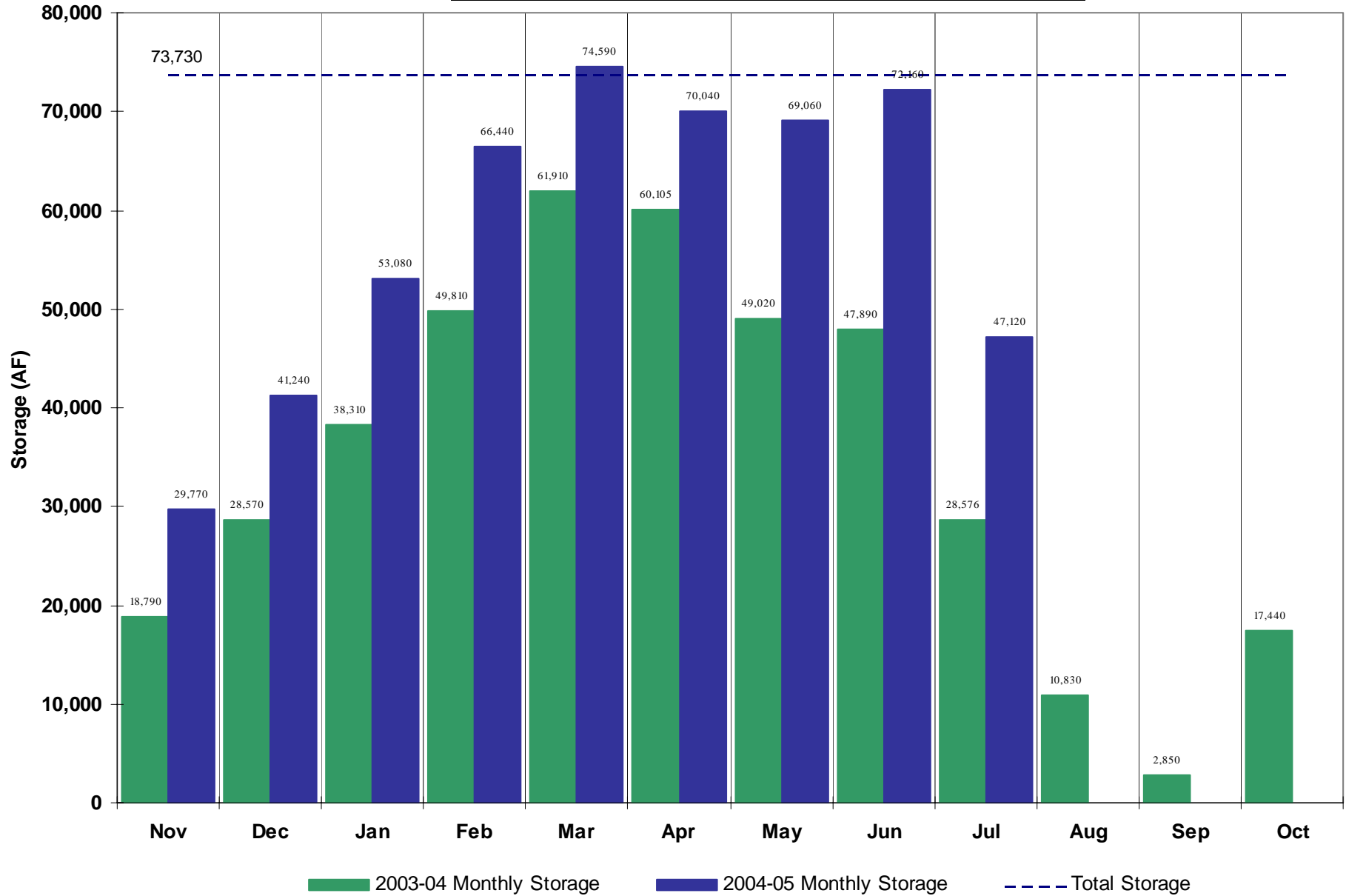


**Installation of new Atwood Gage  
(photo by Clayton Kimmi)**

# Julesburg Reservoir (Agricultural)

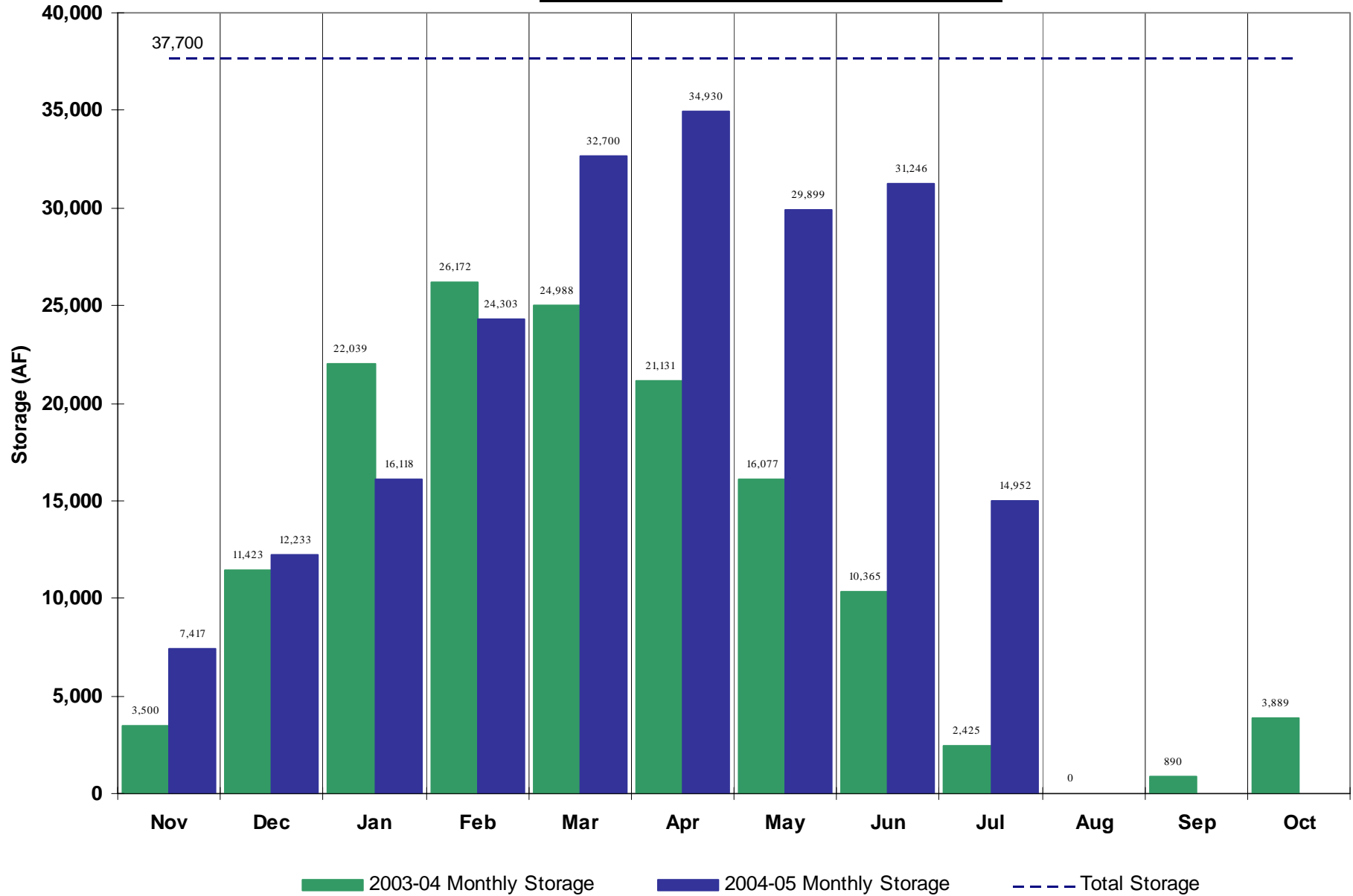


# North Sterling Reservoir (Agricultural)



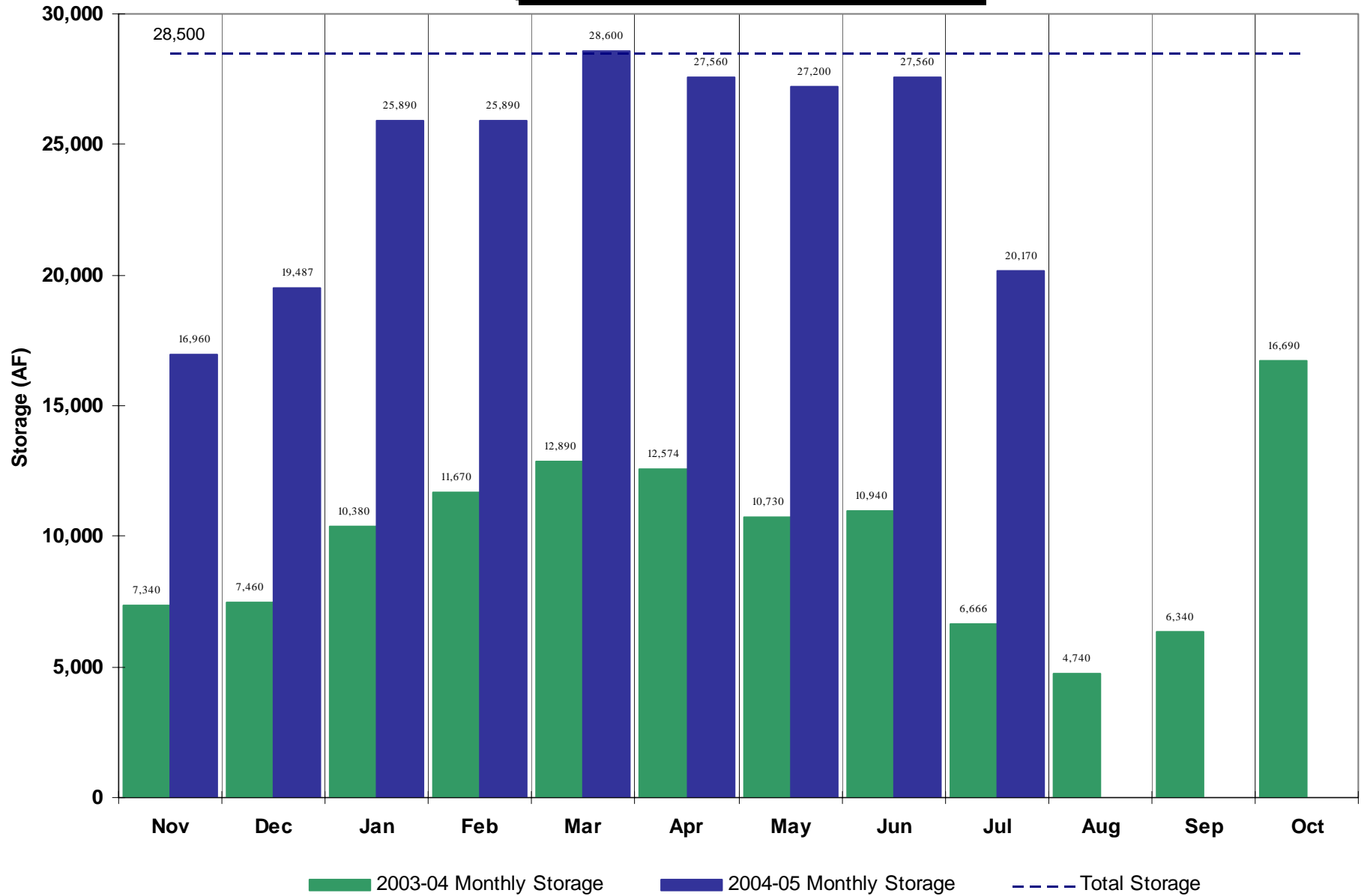


# Empire Reservoir (Agricultural)

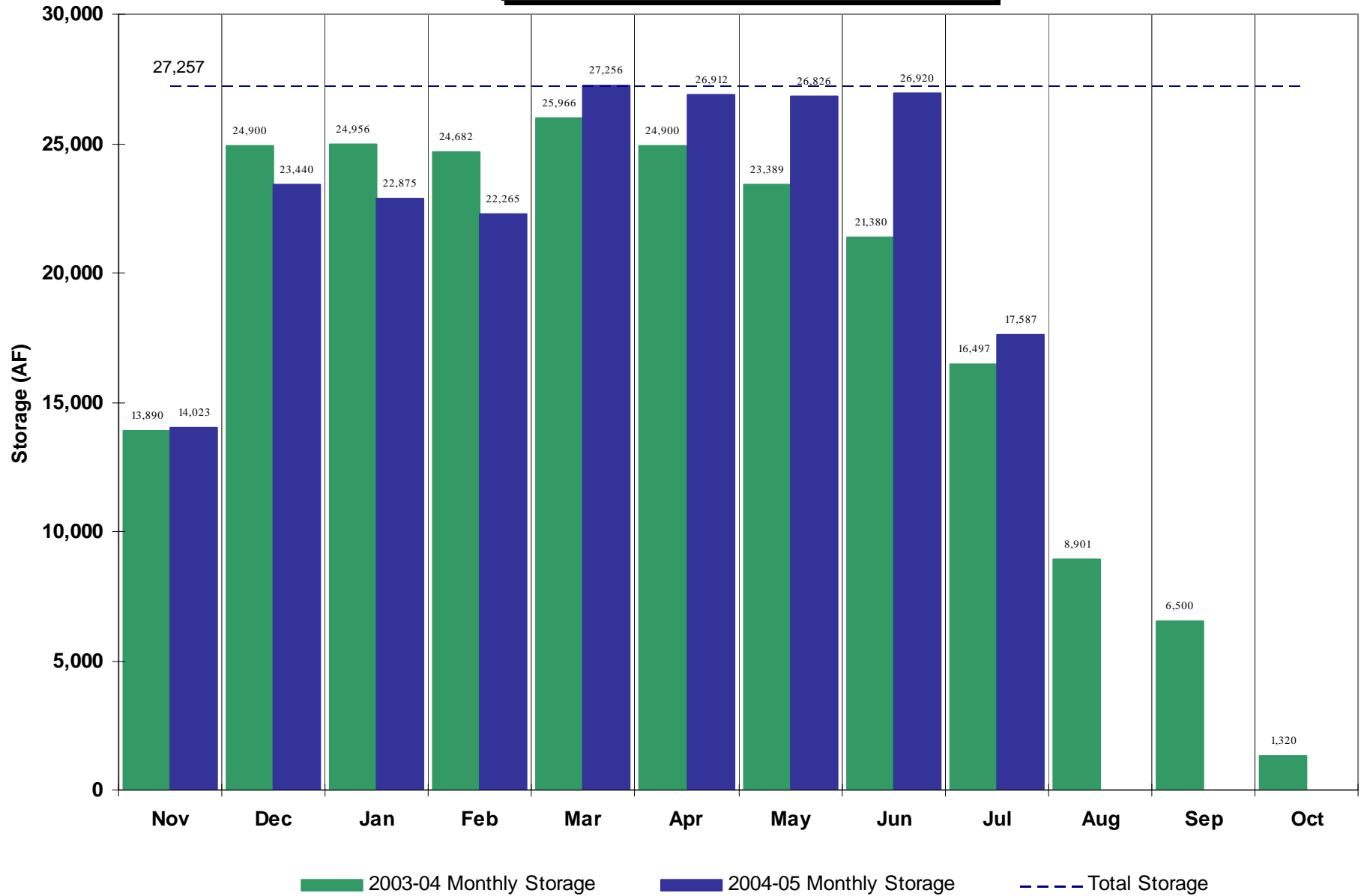


# Prewitt Reservoir

(Agricultural)

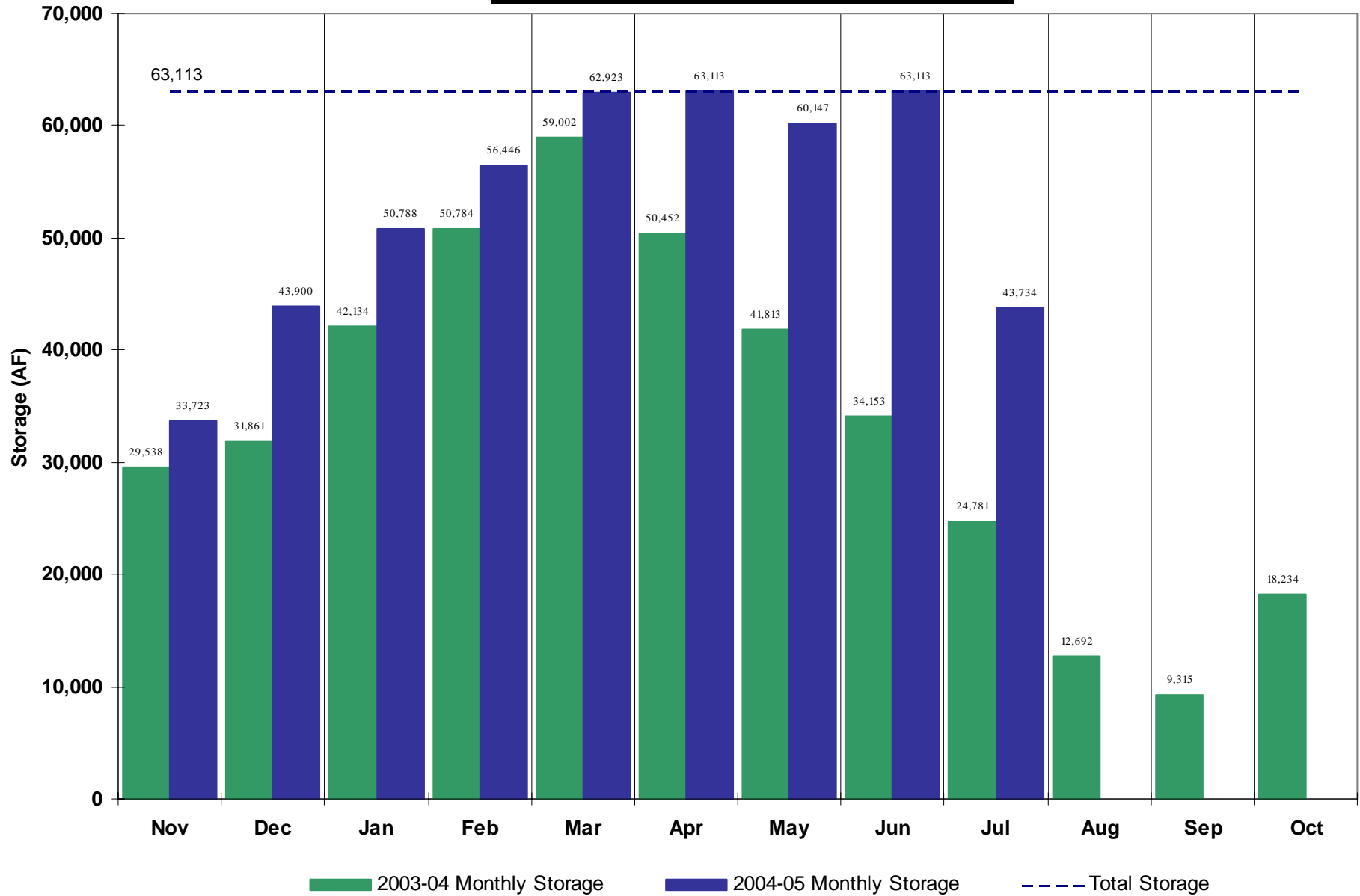


# Jackson Reservoir (Agricultural)

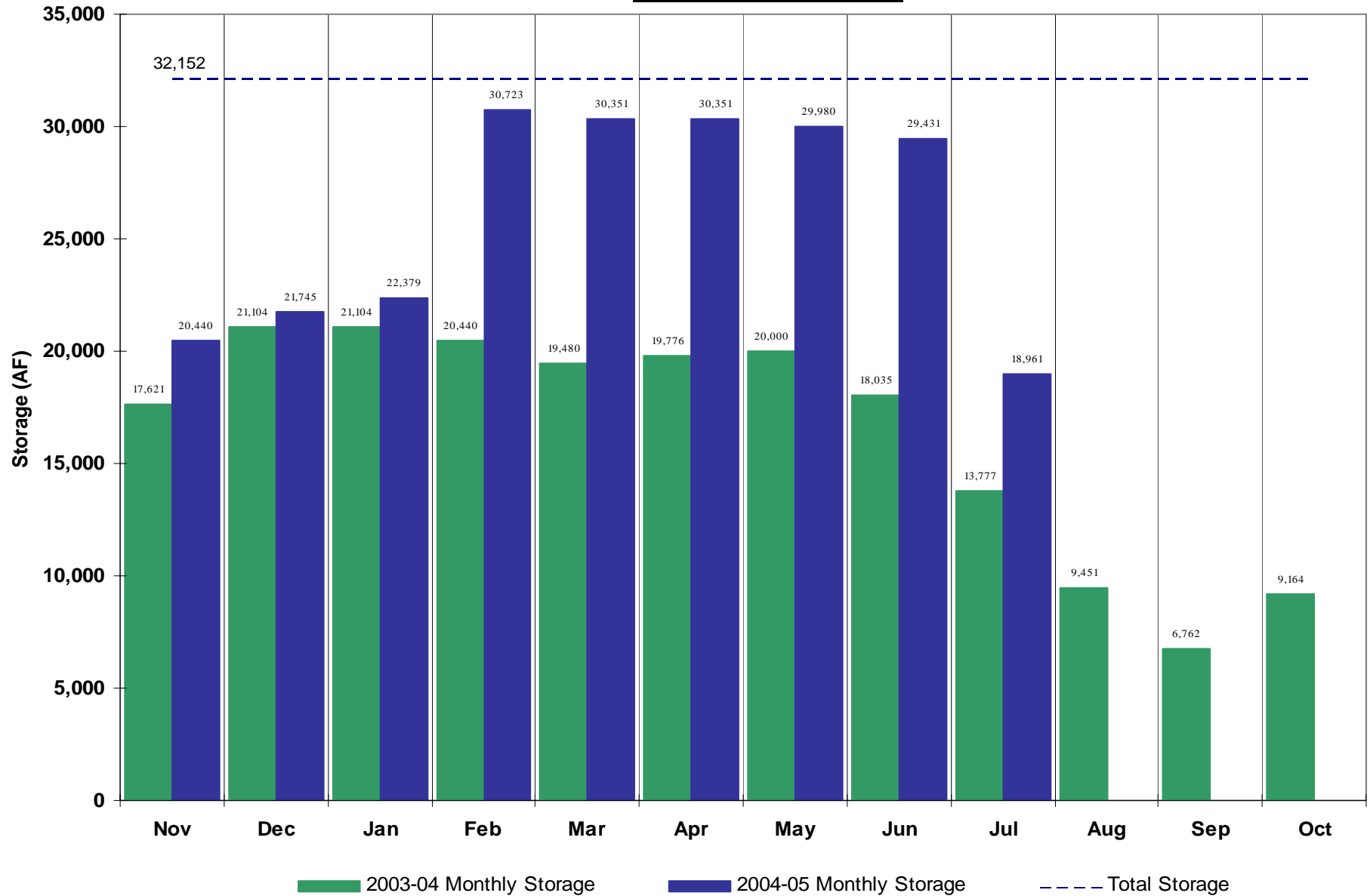


# Riverside Reservoir

(Agricultural)

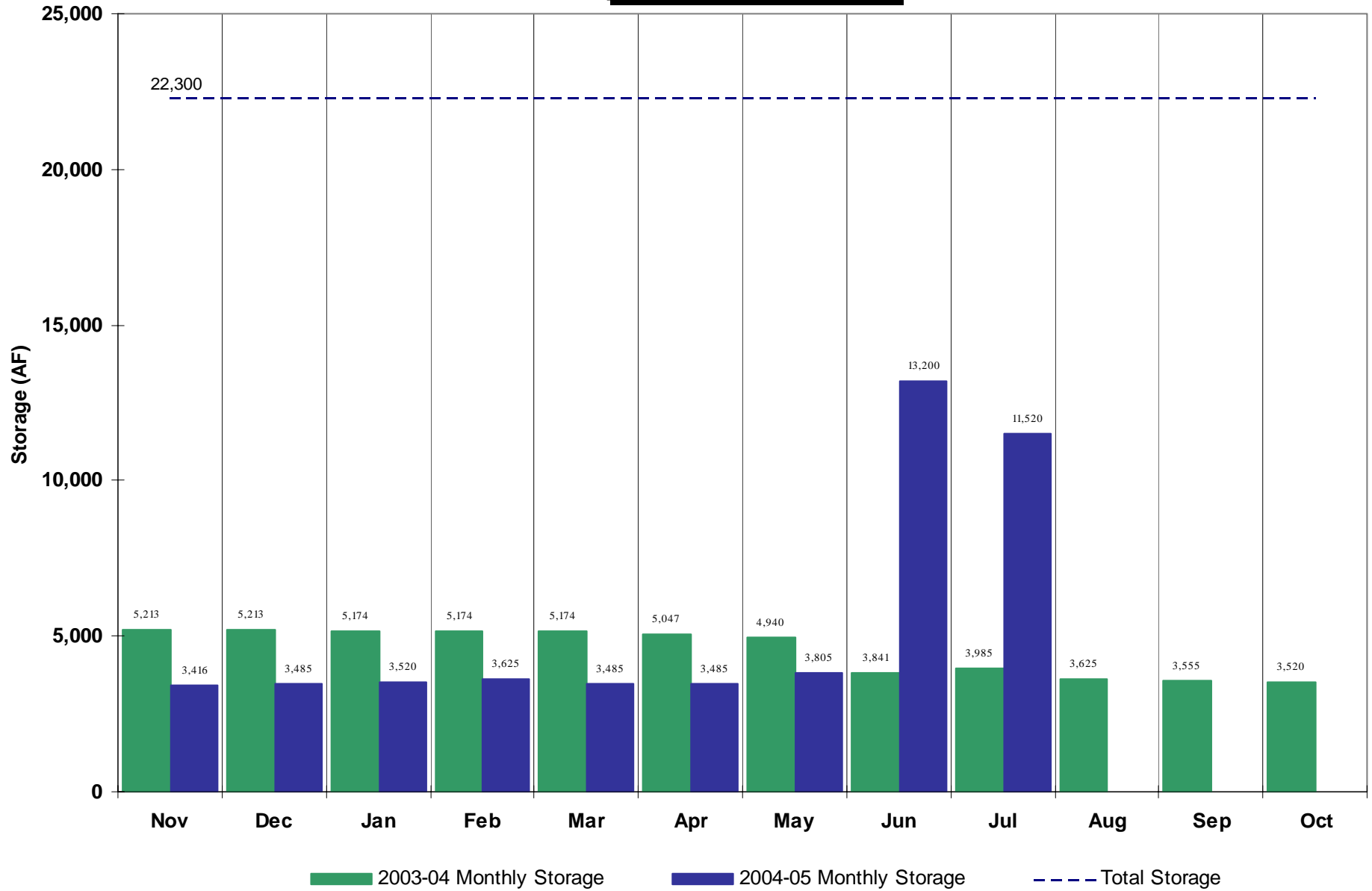


# Barr Lake (Agricultural)

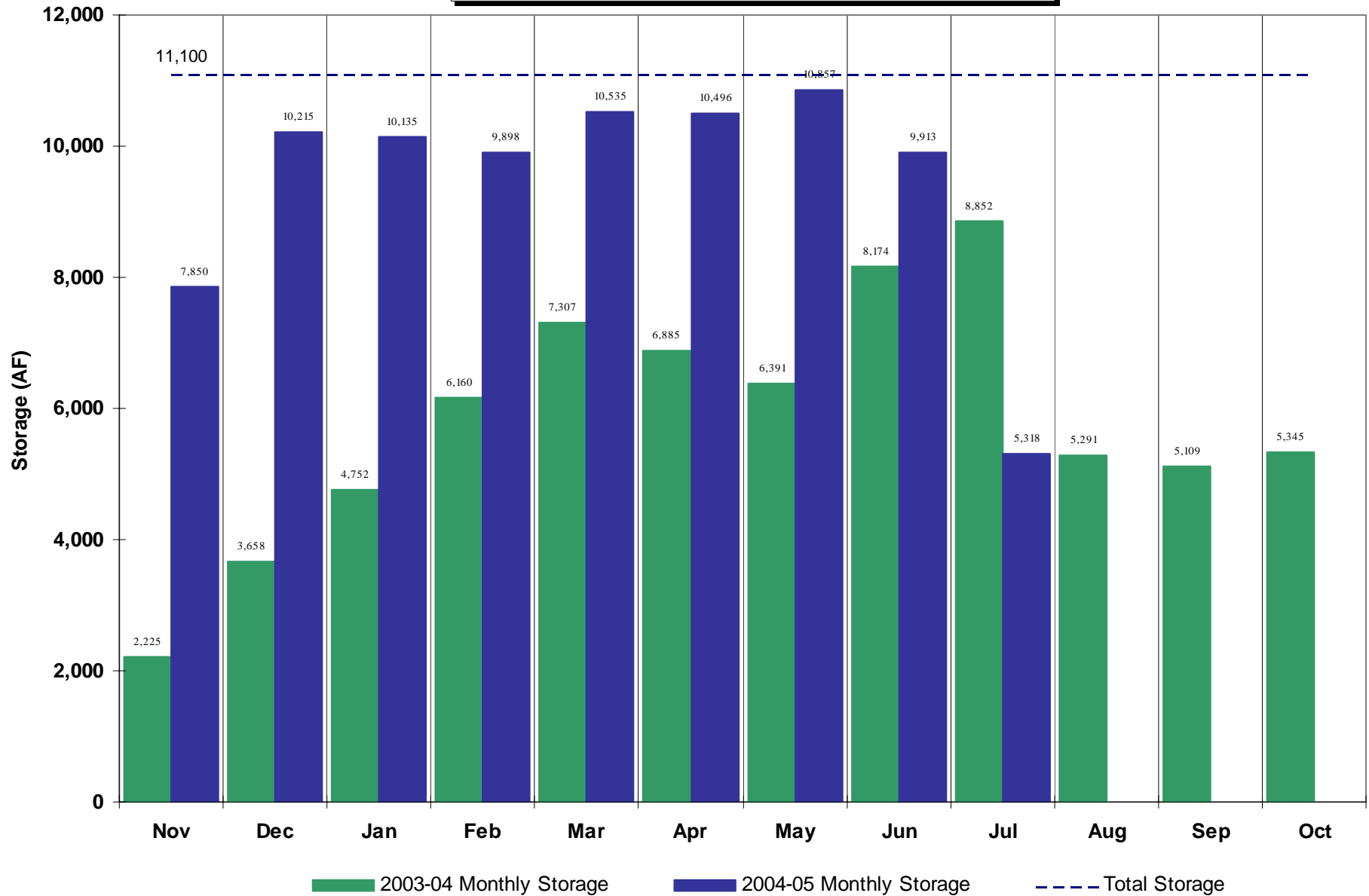


# Cobb Lake

(Agricultural)

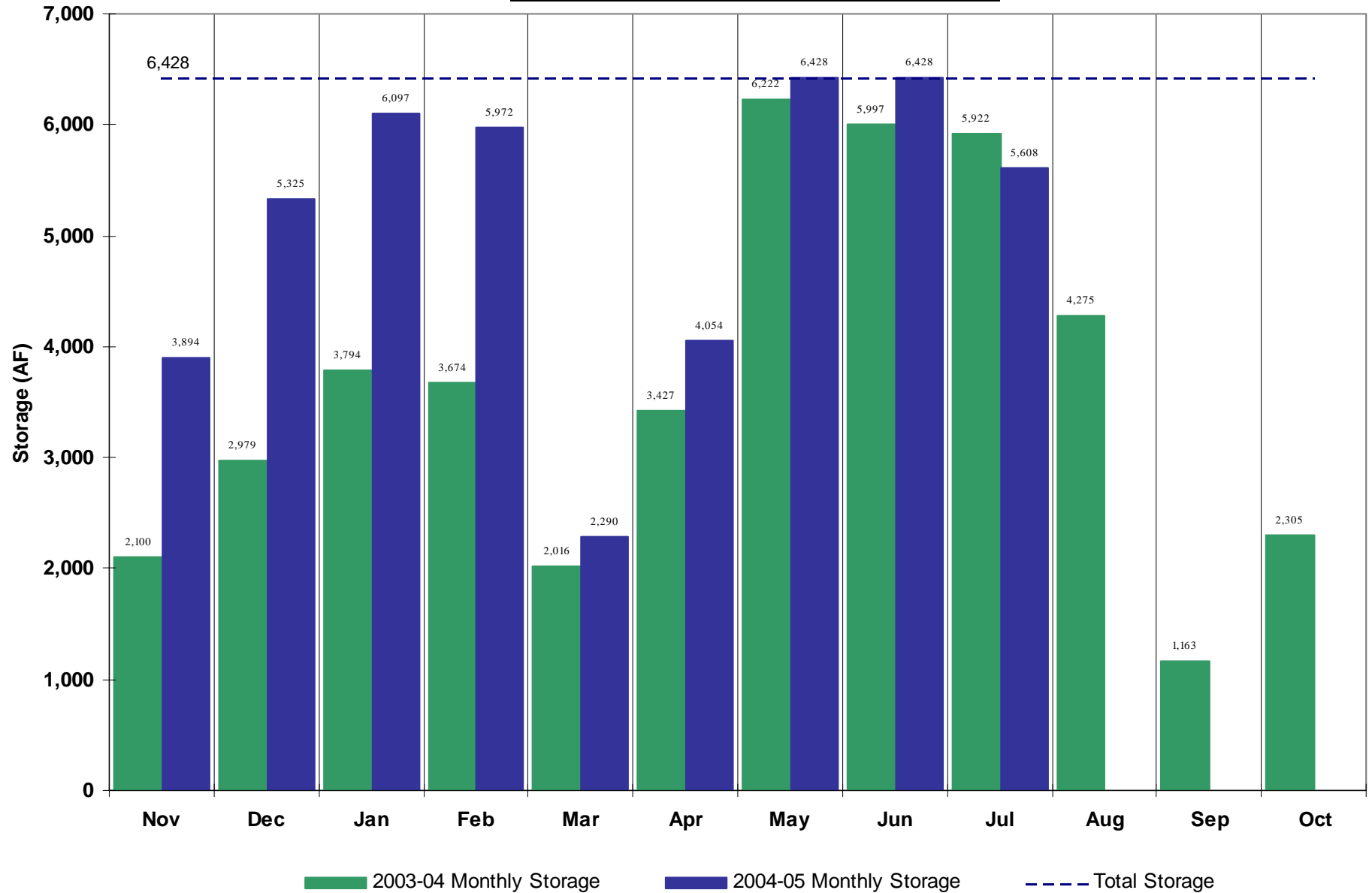


# Fossil Creek Reservoir (Agricultural)



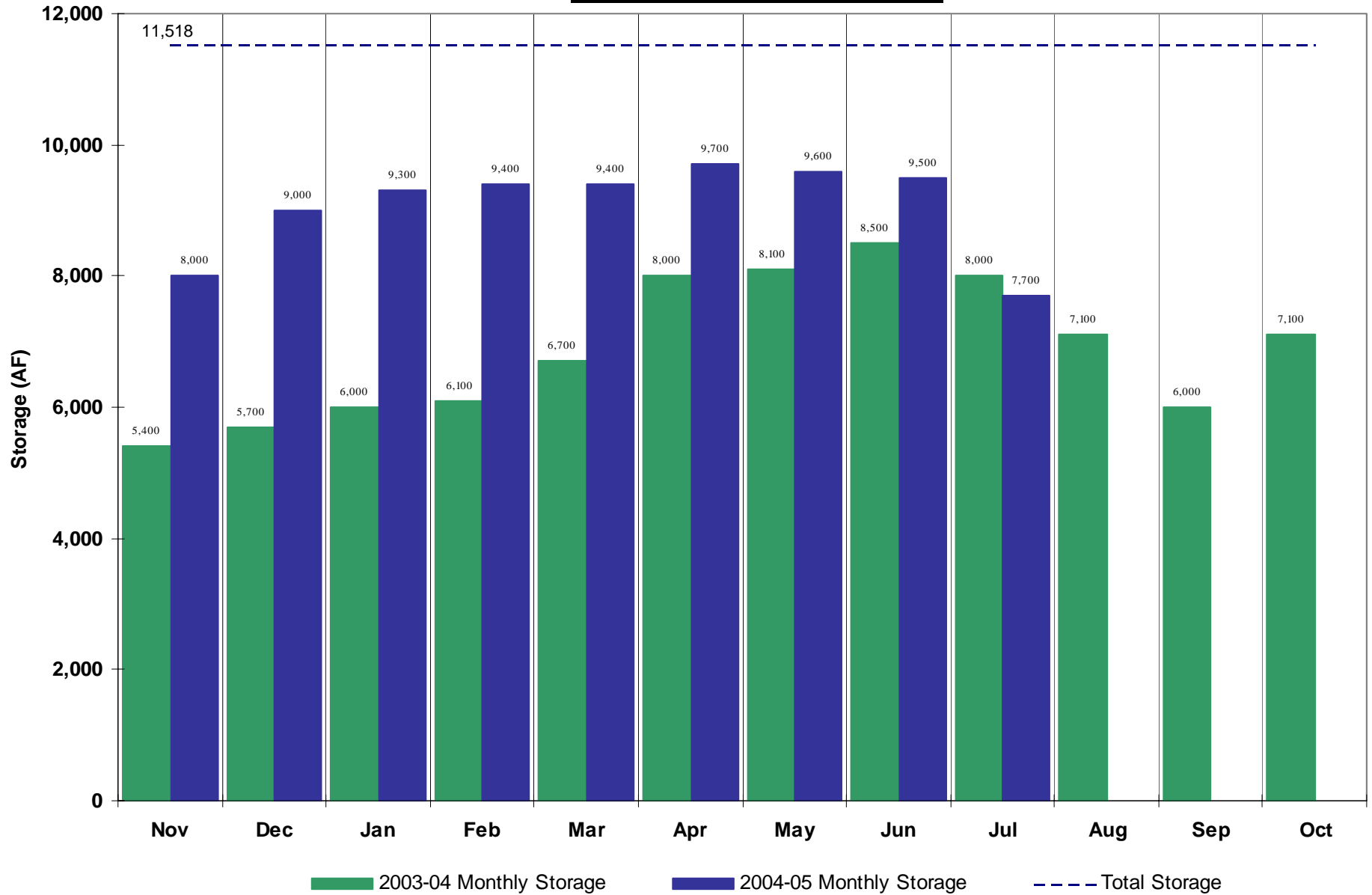
# Halligan Reservoir

(Agricultural)

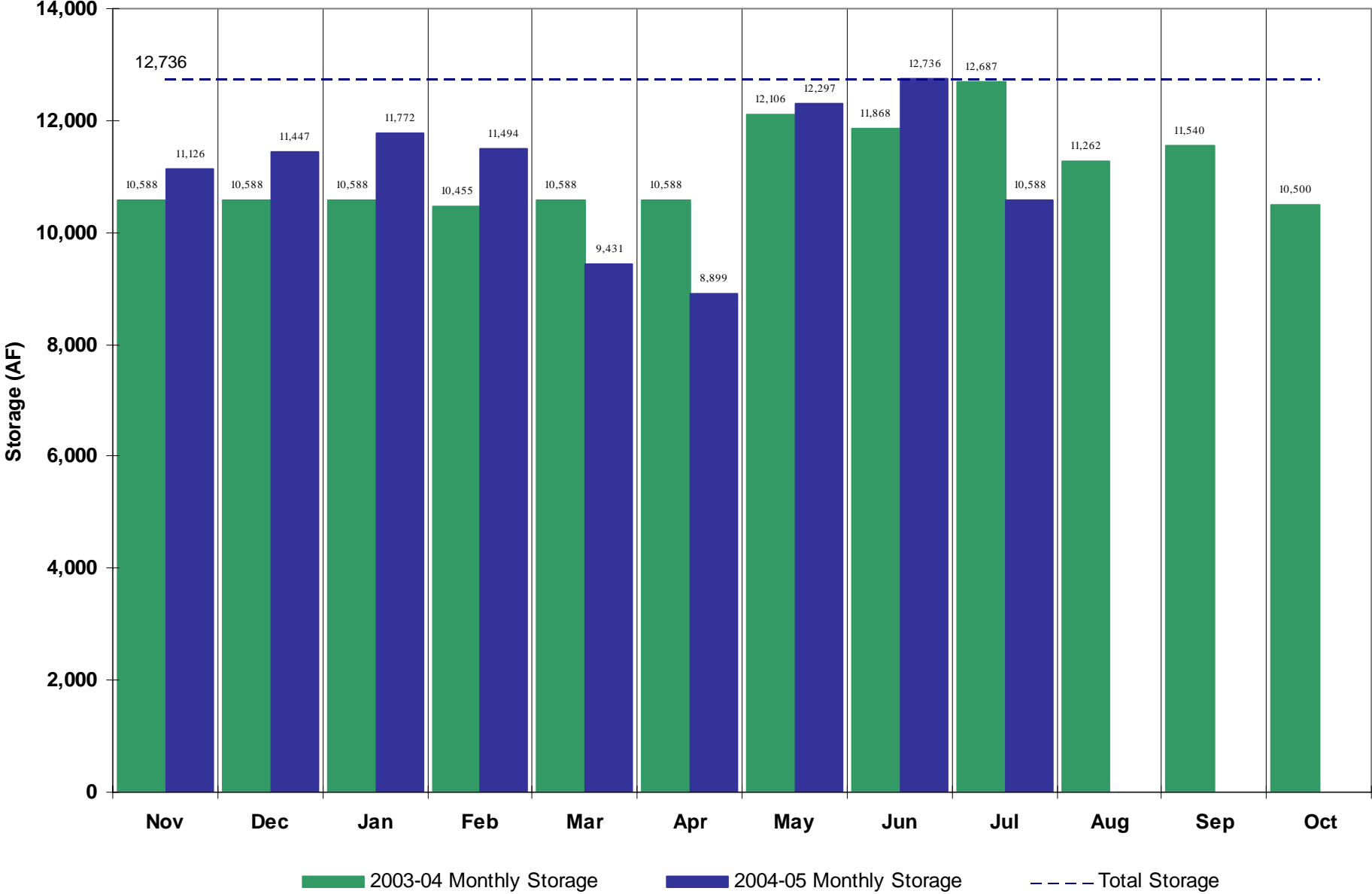




# Marshall Lake (Agricultural)

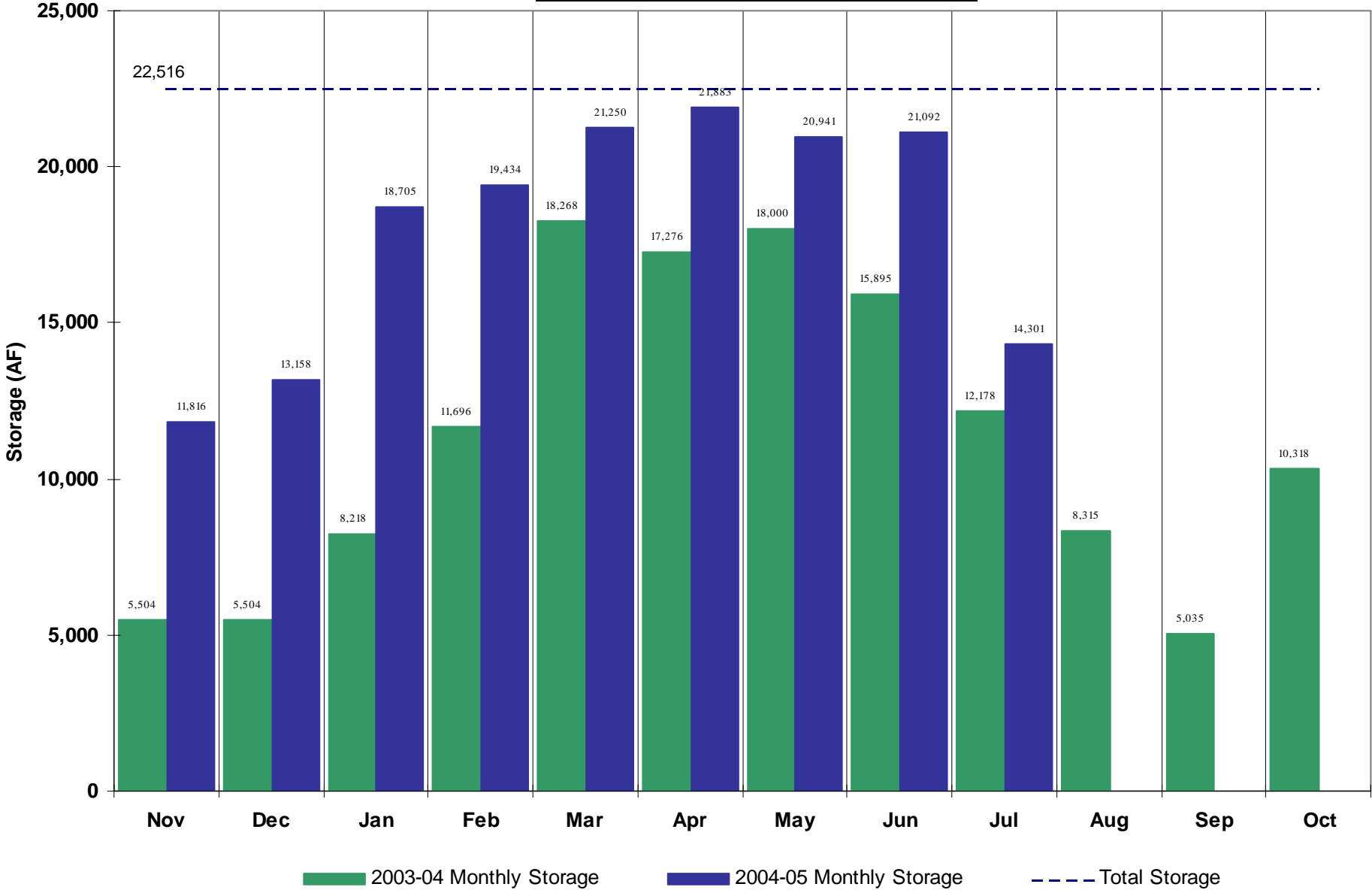


# Loveland Greeley Reservoir (Agricultural)

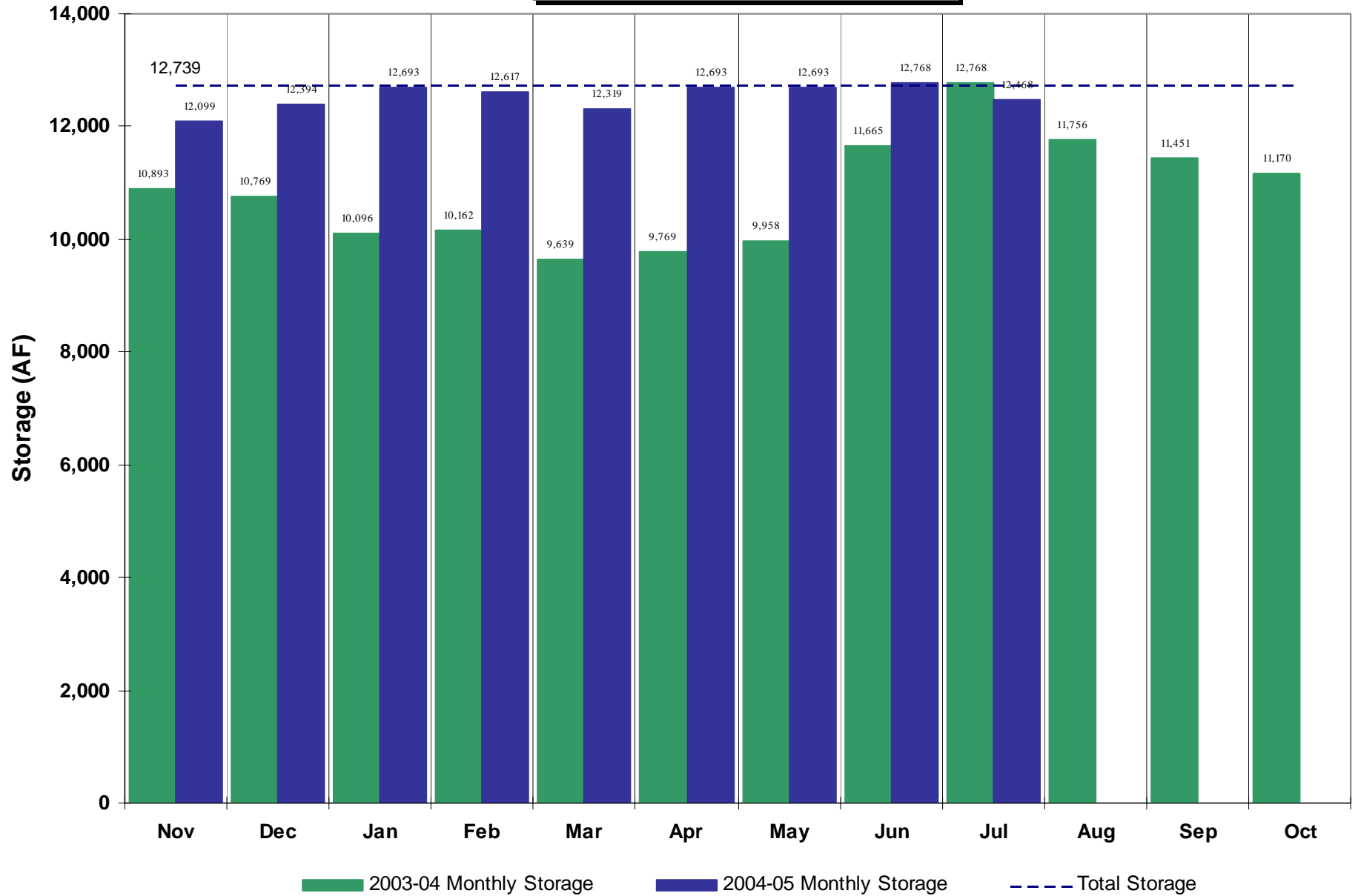


# Milton Reservoir

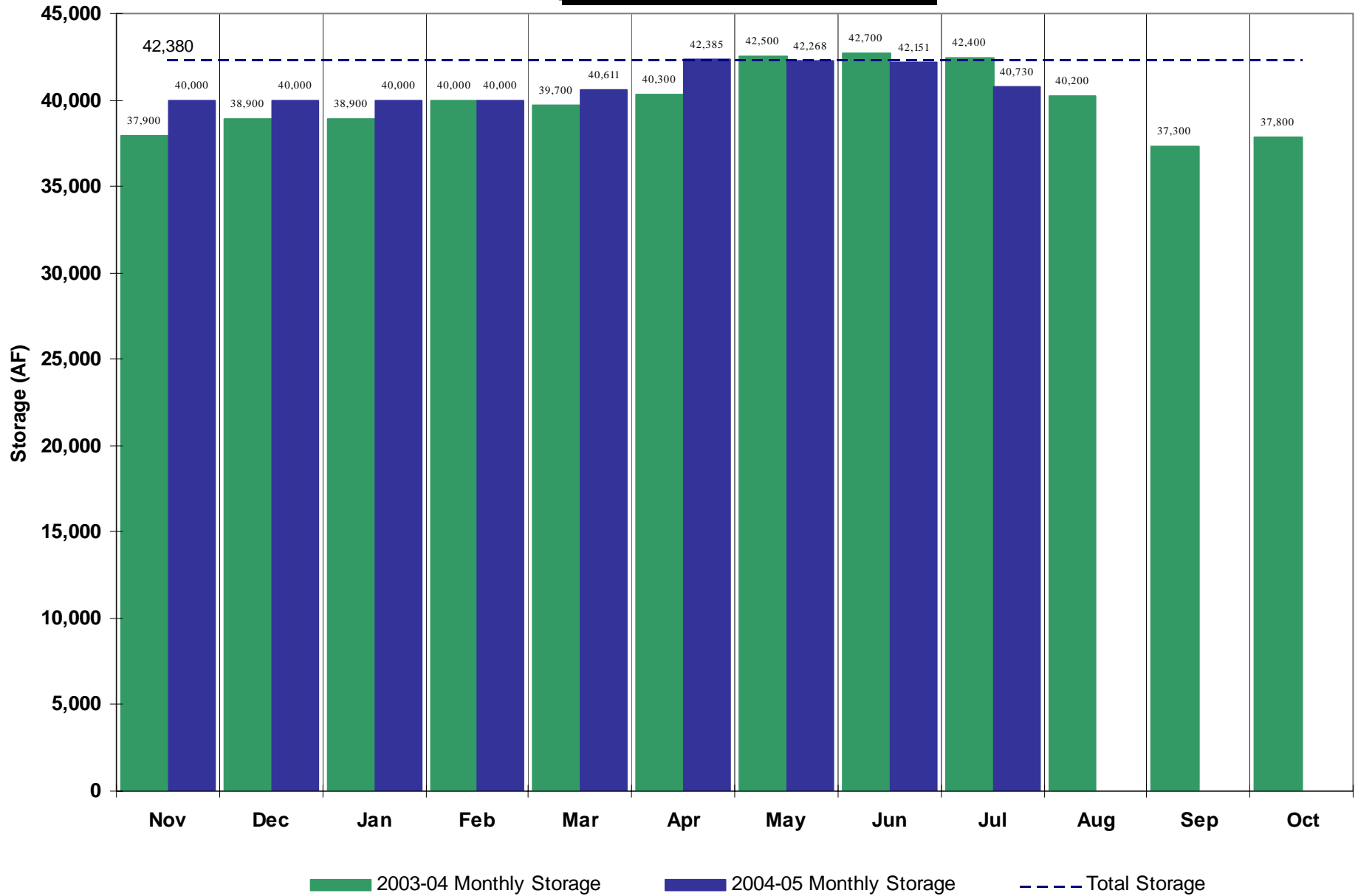
(Agricultural)



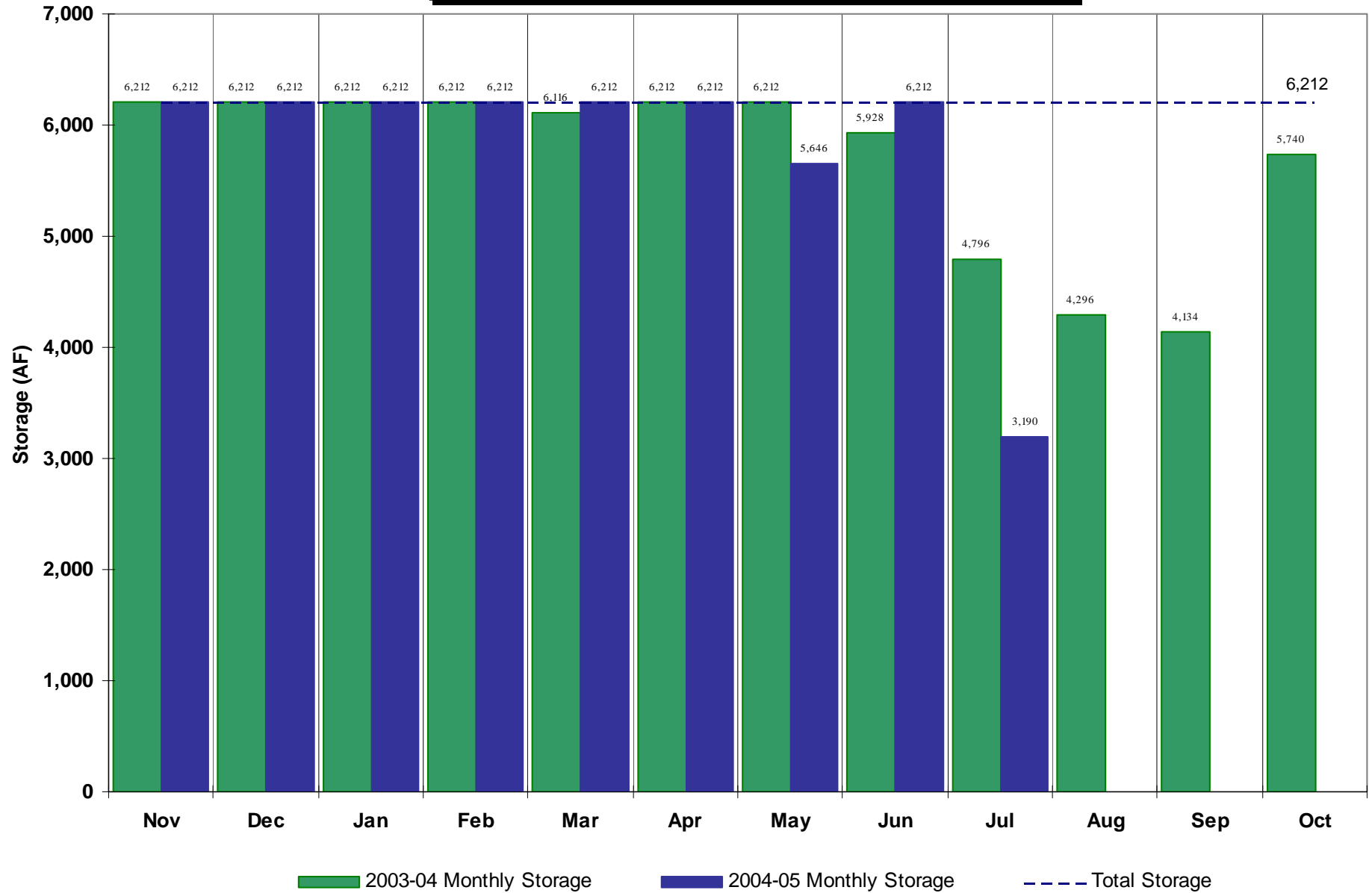
# Union Reservoir (Agricultural)



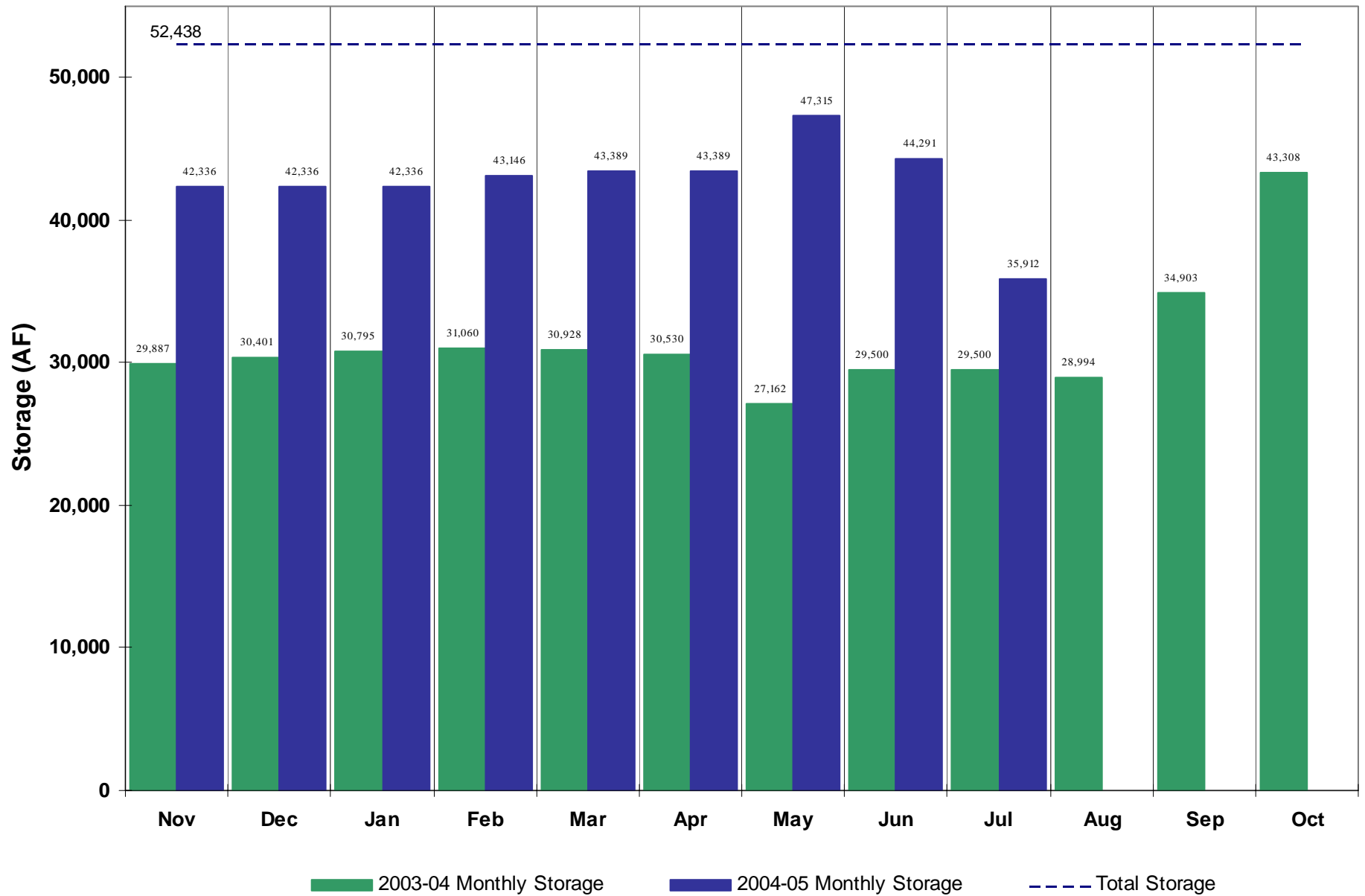
# Standley Lake (Agricultural)



# Lower Latham Reservoir (Agricultural)

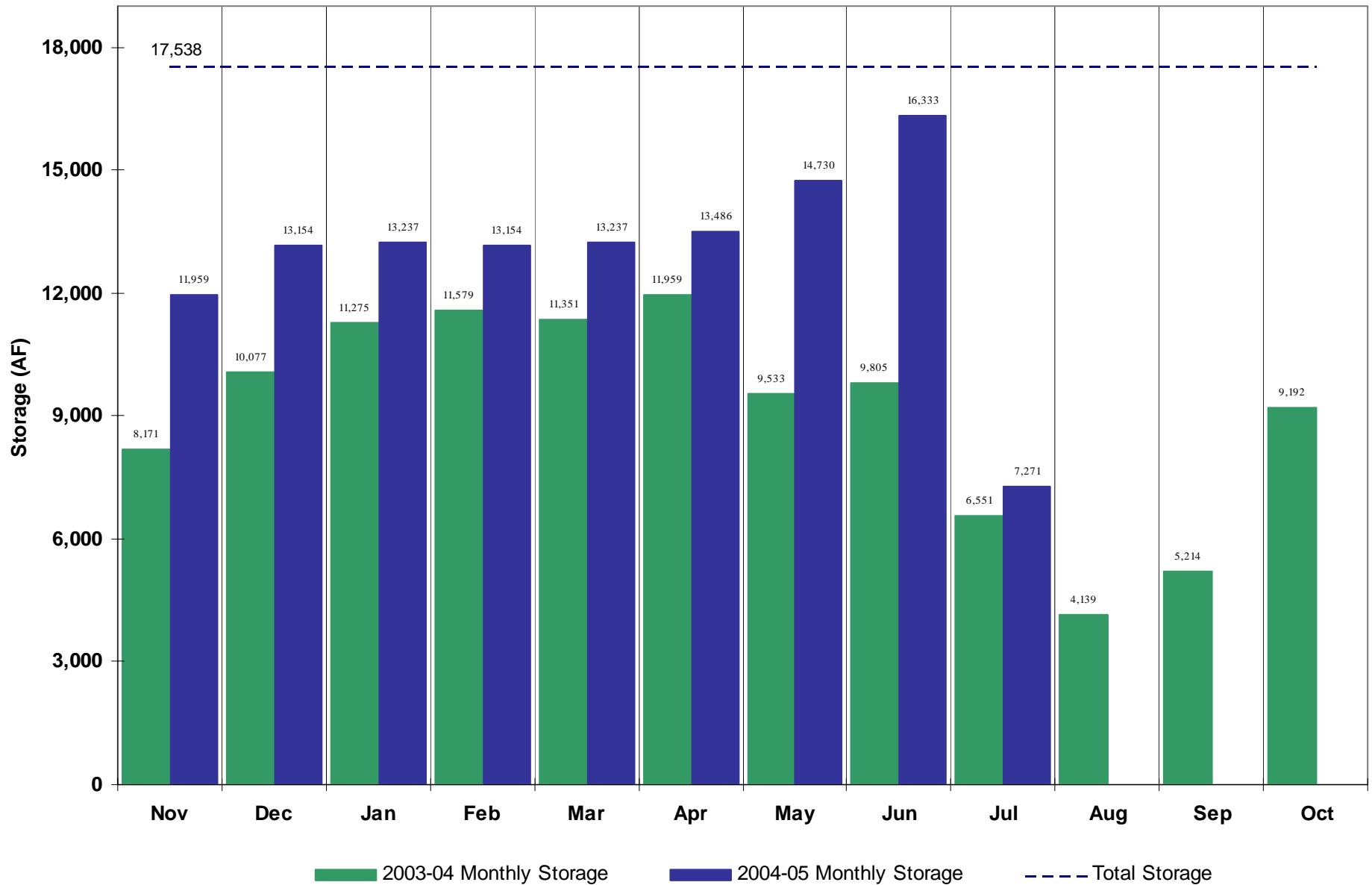


# Boyd Lake (Agricultural)



# Windsor Reservoir

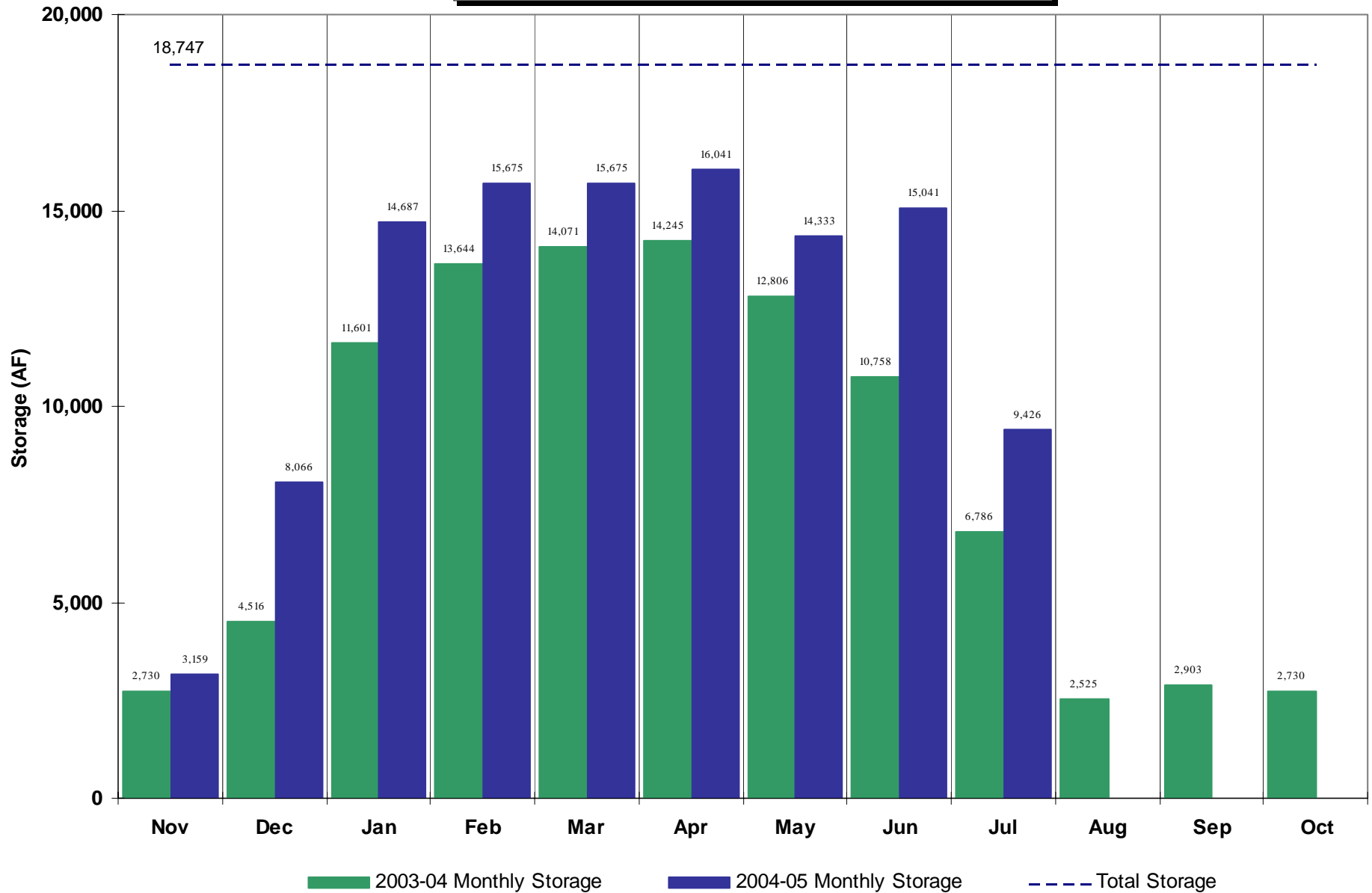
(Agricultural)



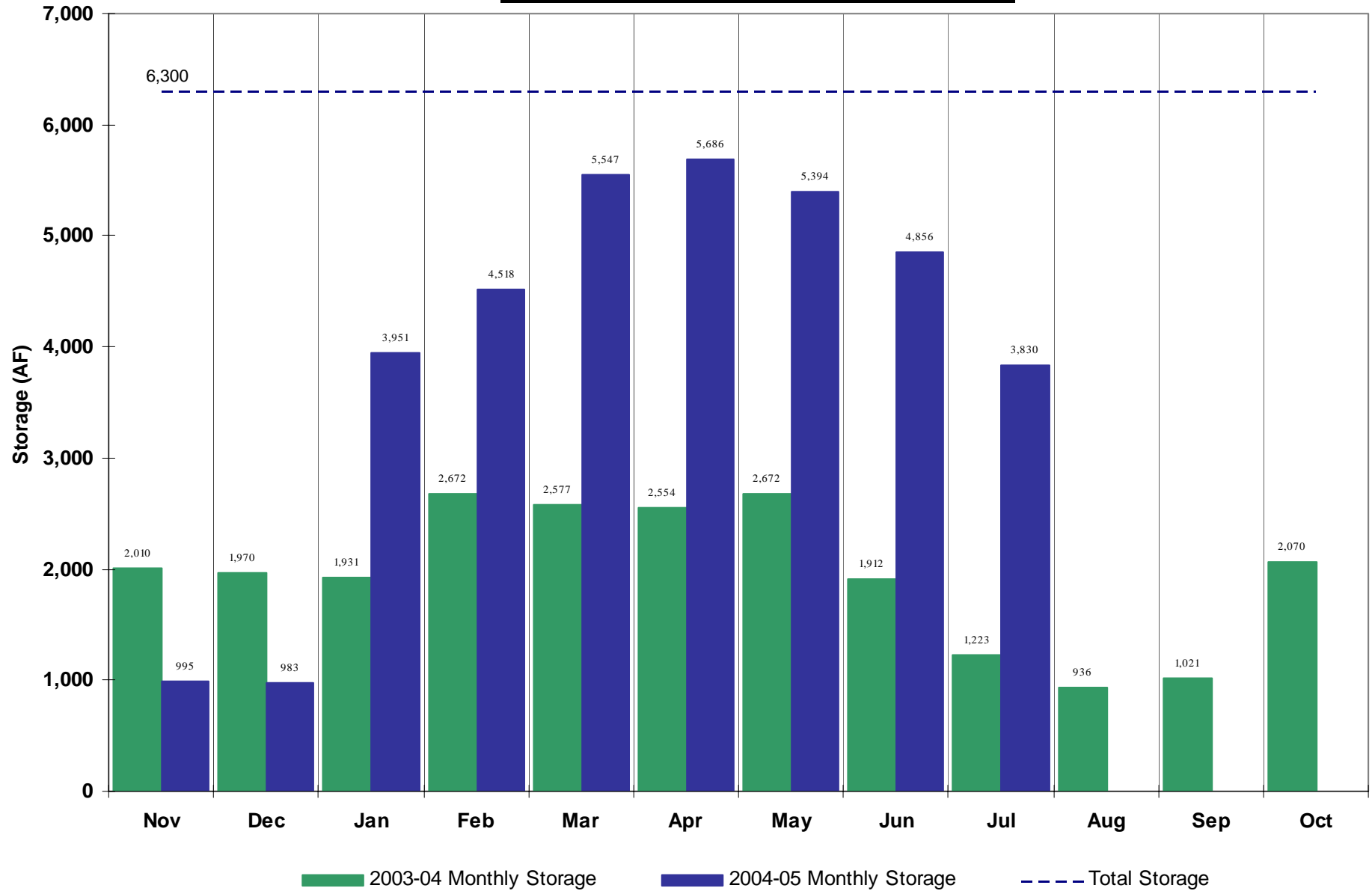


# Horse Creek Reservoir

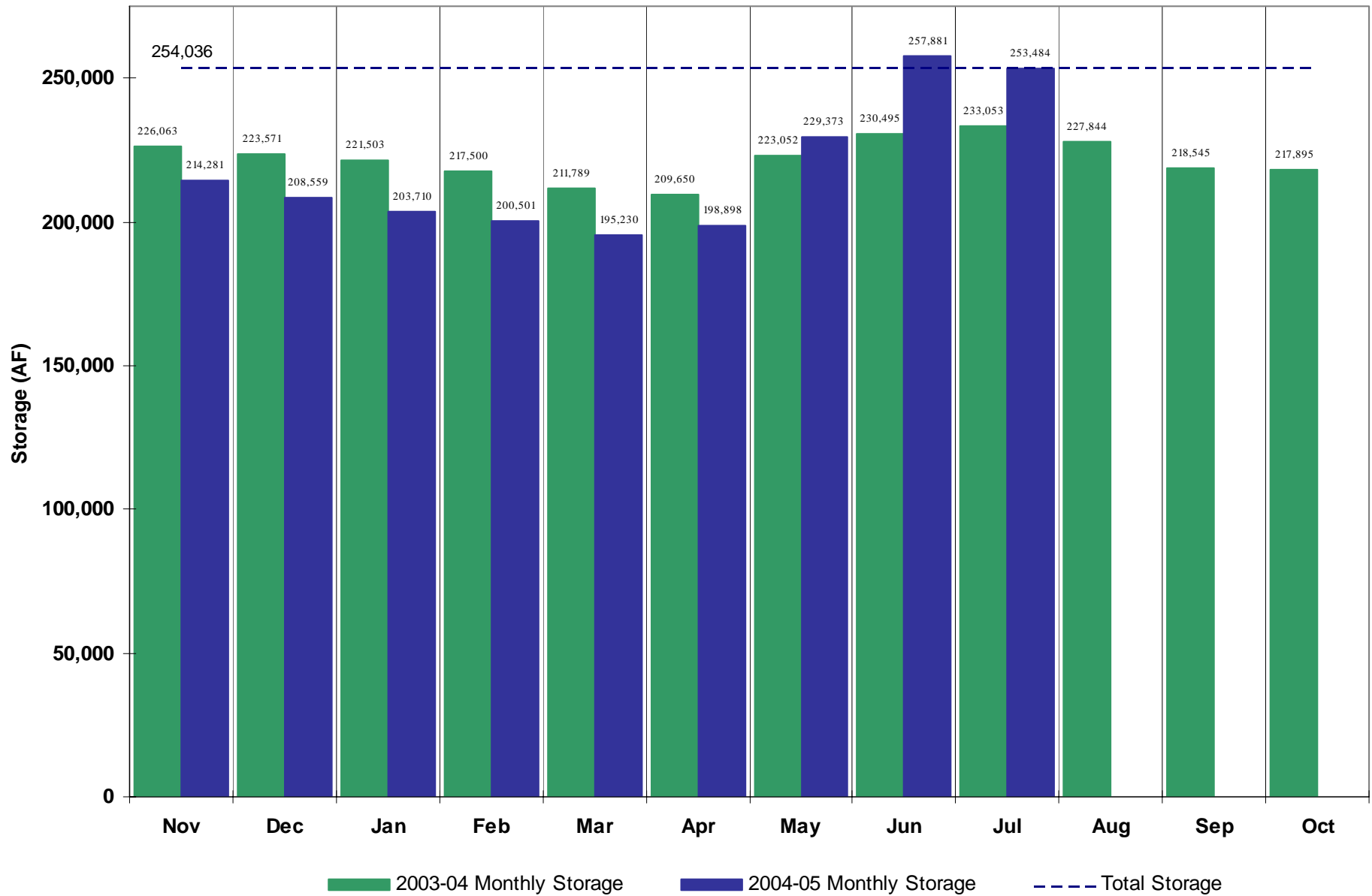
(Agricultural)



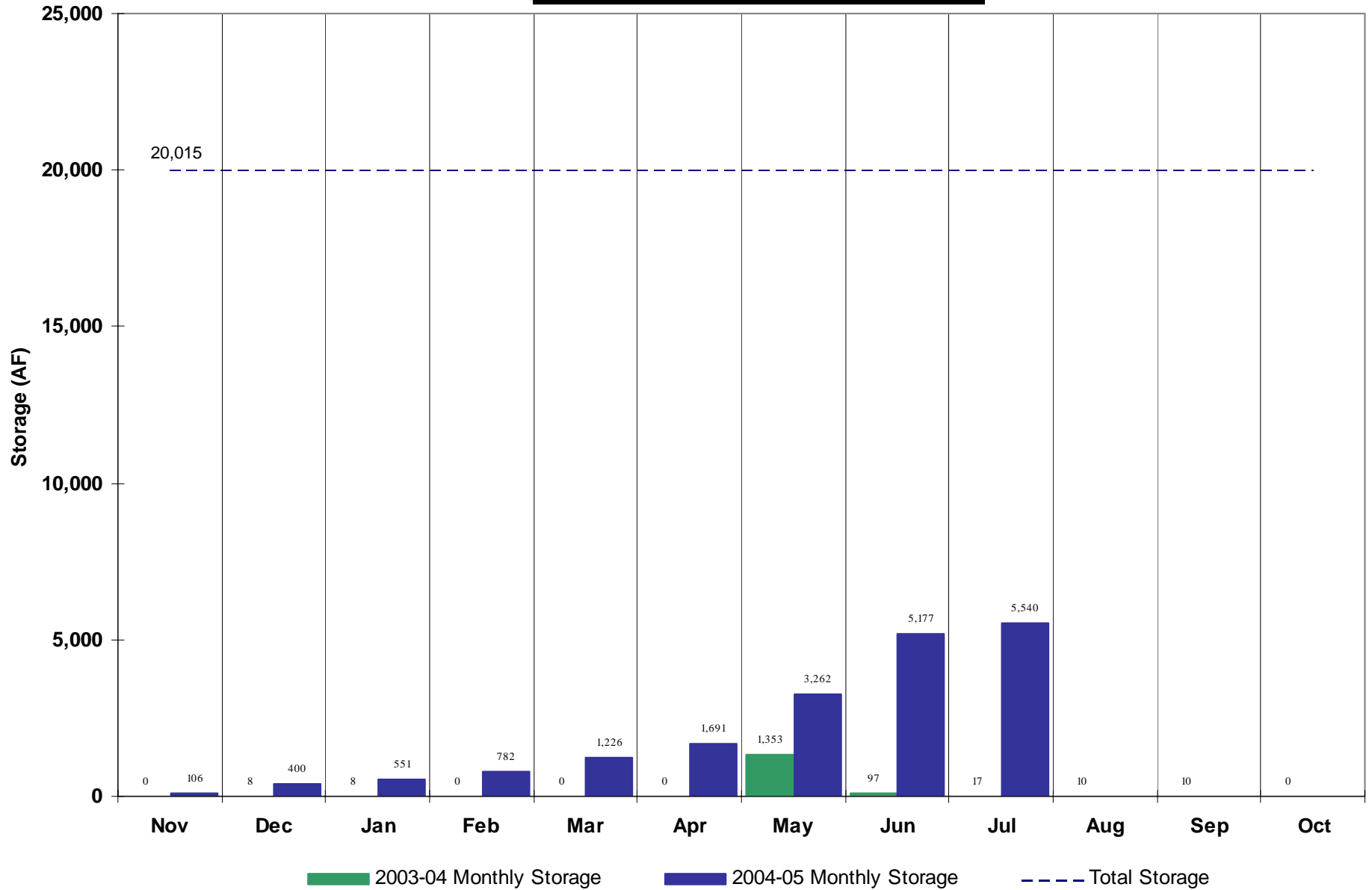
# Prospect Reservoir (Agricultural)



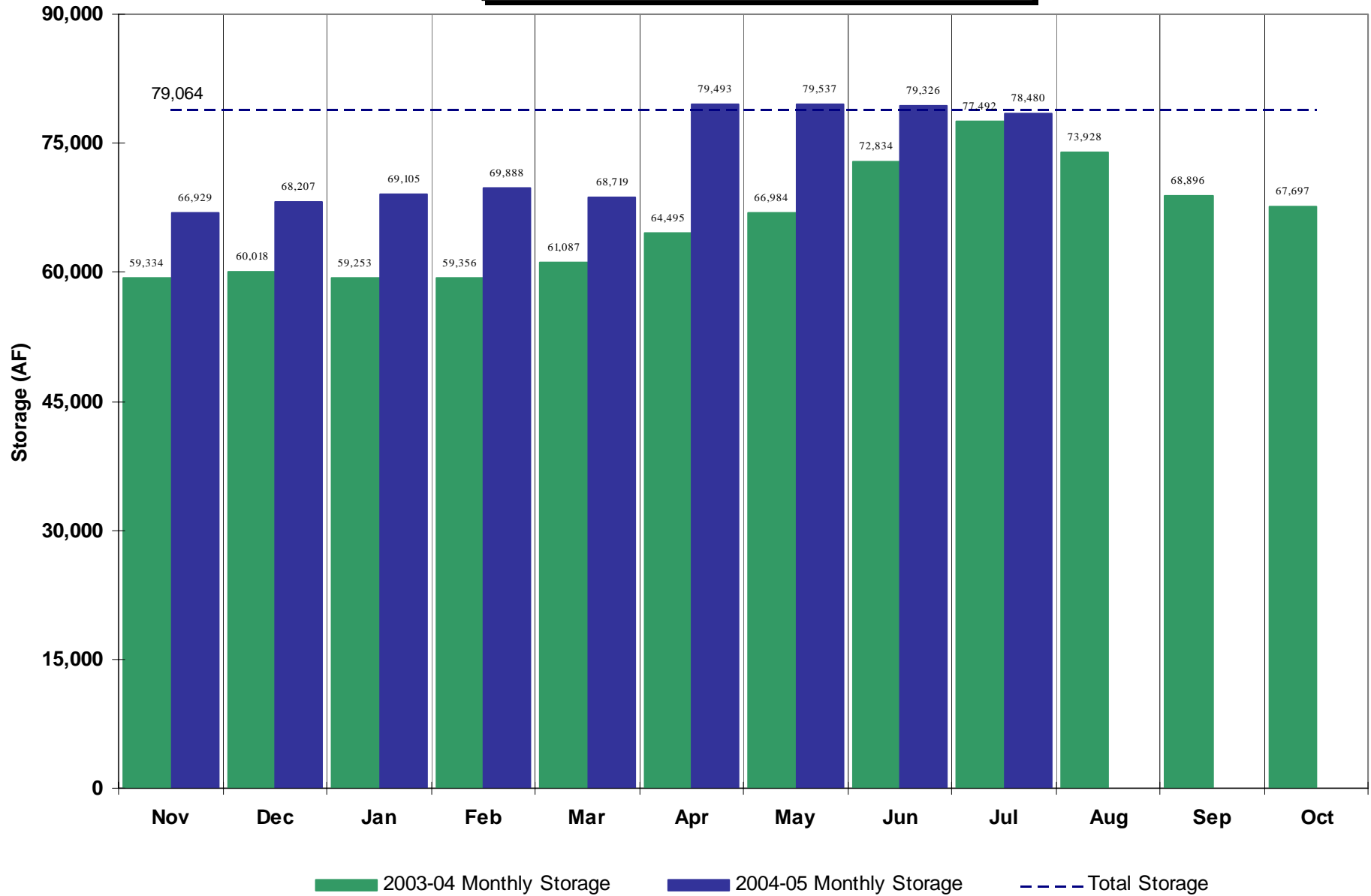
# Dillon Reservoir (Municipal)



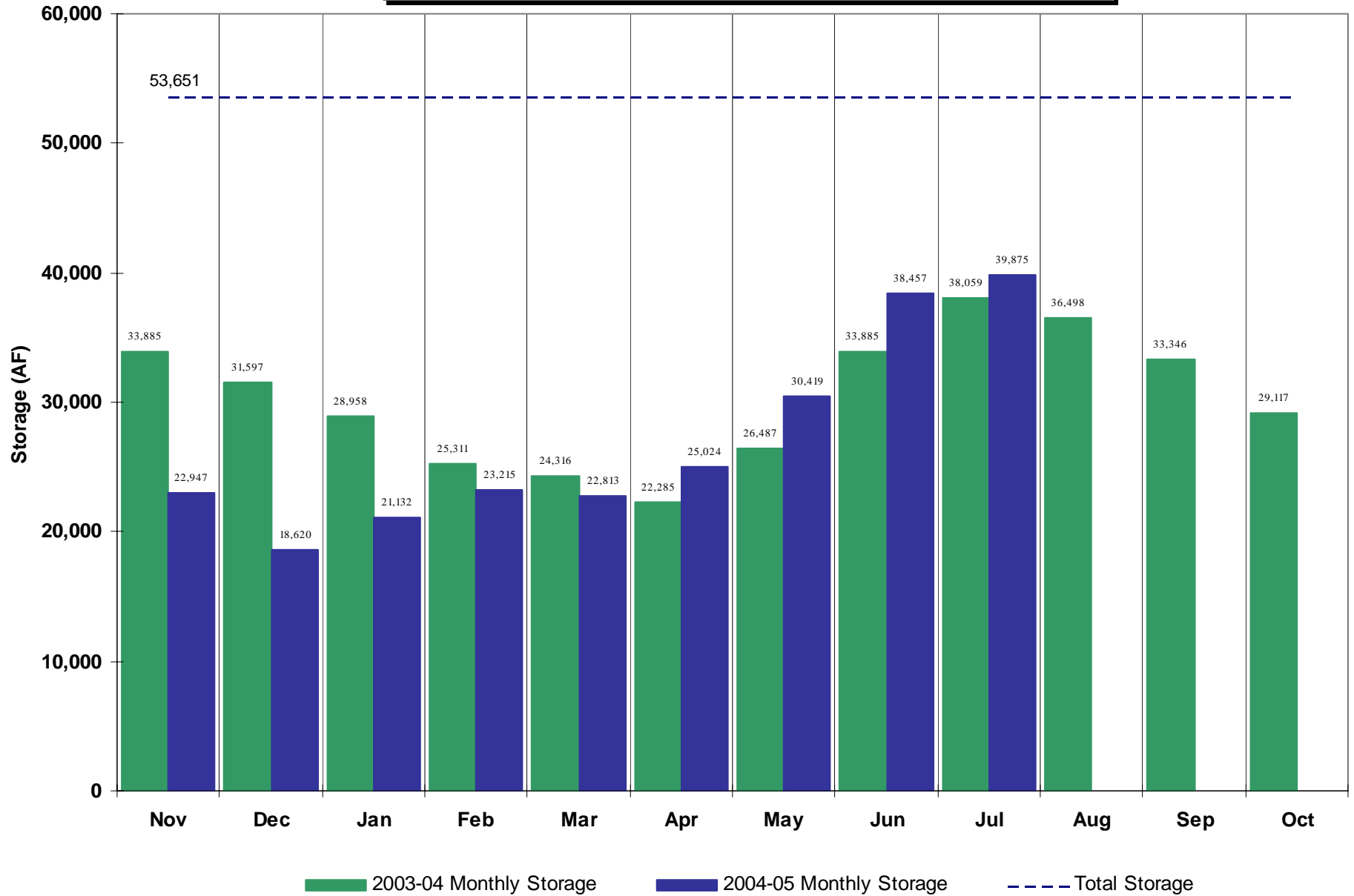
# Antero Reservoir (Municipal)



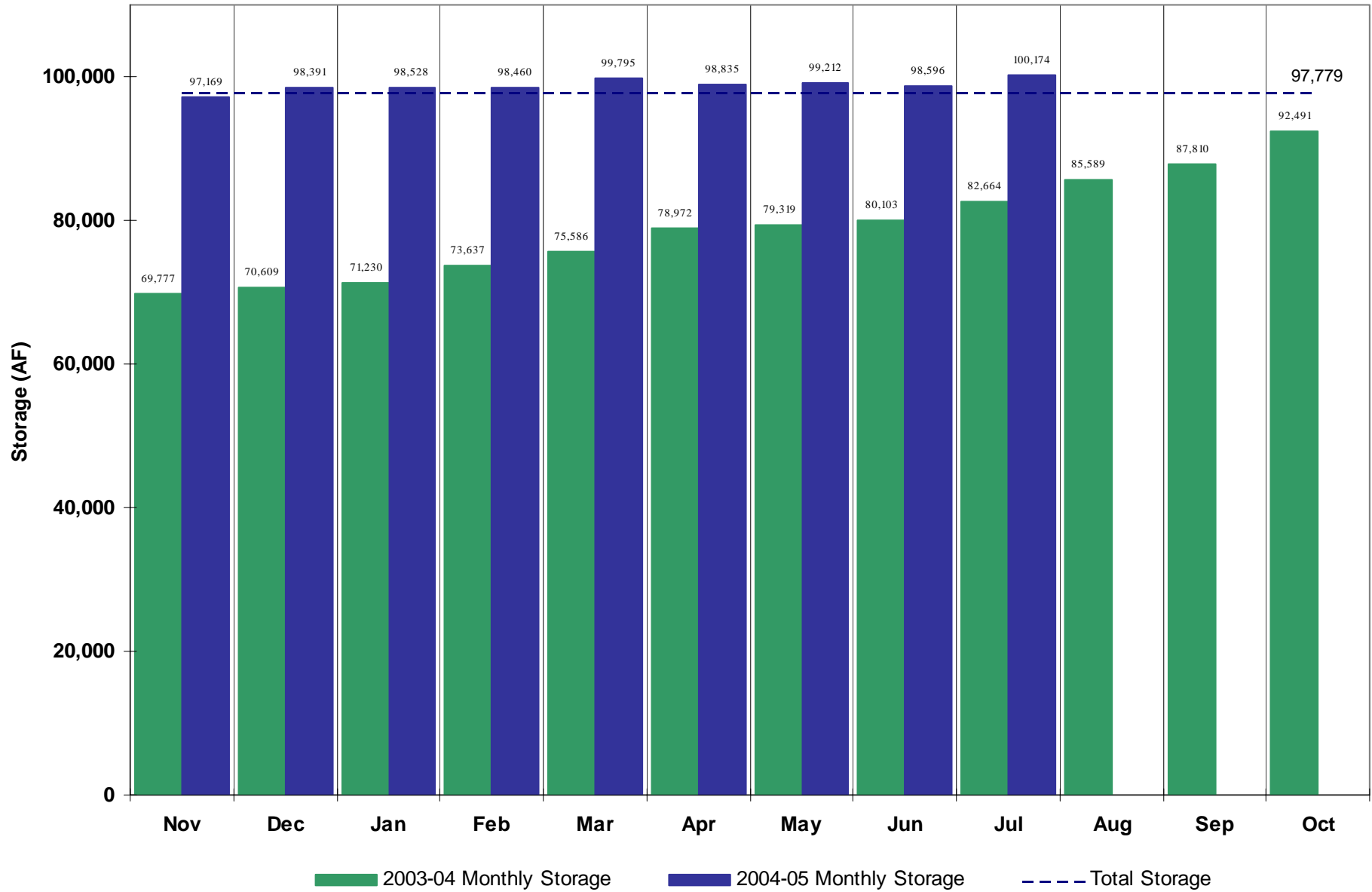
# Cheesman Reservoir (Municipal)



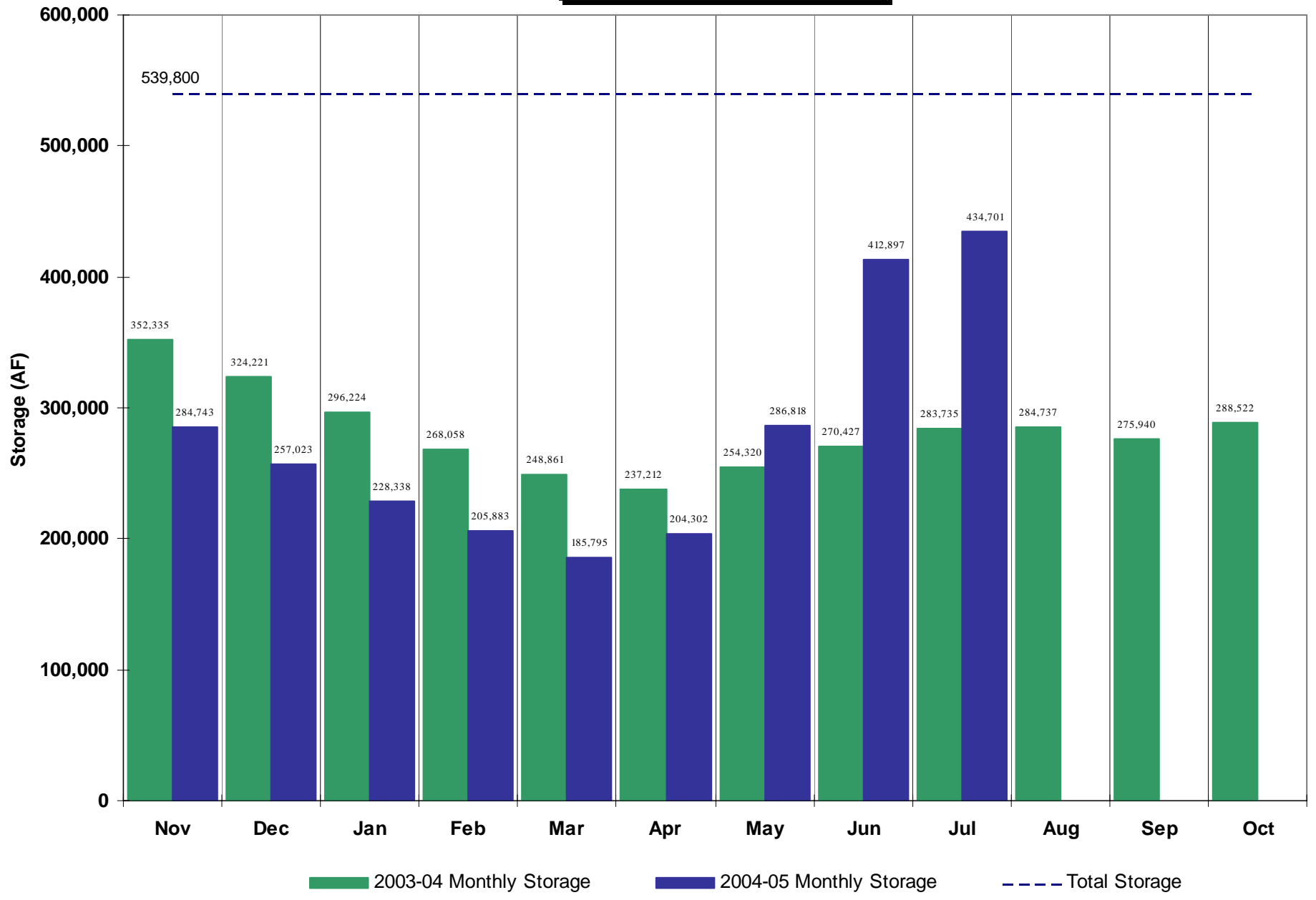
# Spinney Mountain Reservoir (Municipal)



# Eleven Mile Reservoir (Municipal)

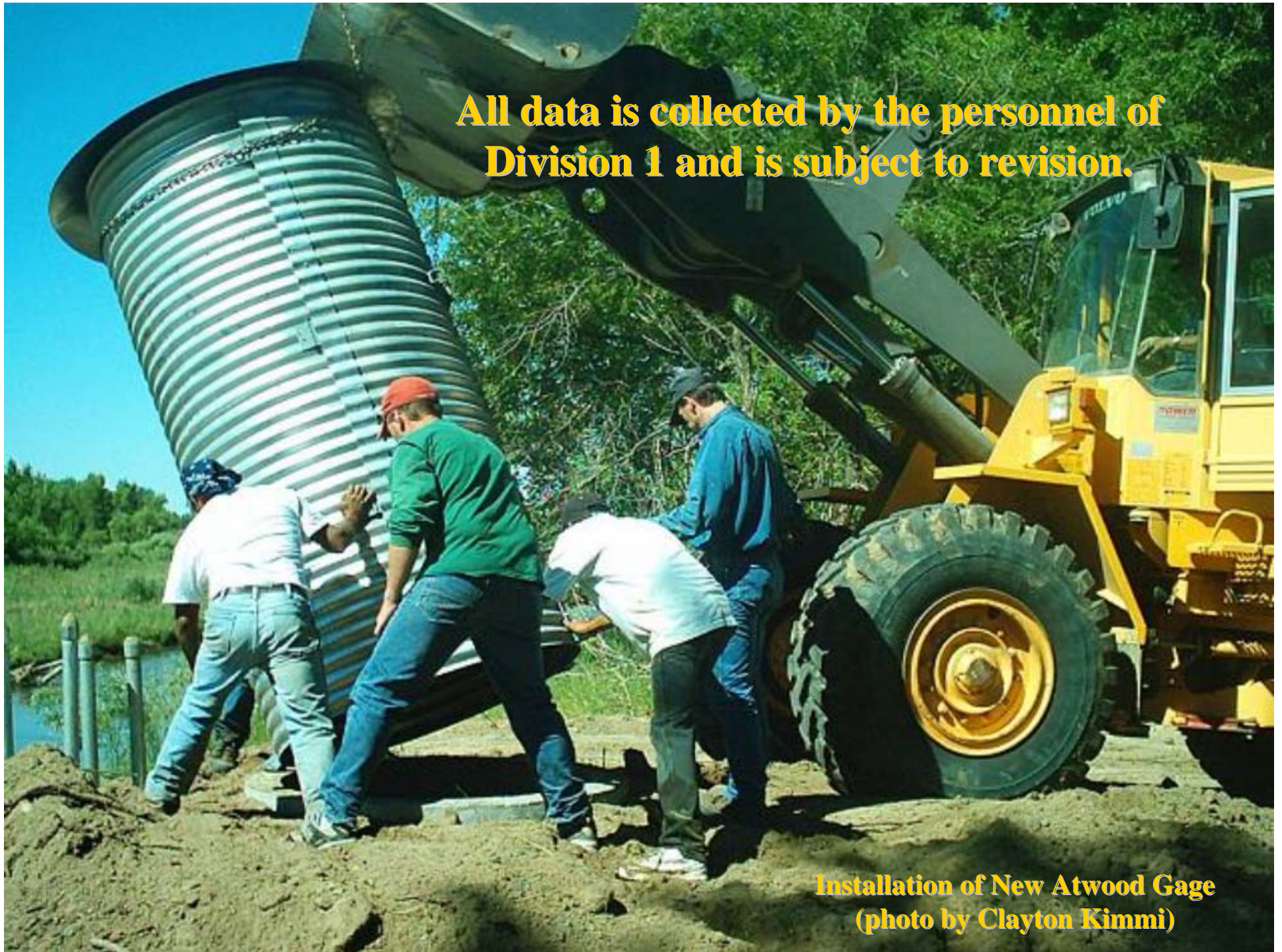


# Lake Granby





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



**Installation of New Atwood Gage  
(photo by Clayton Kimmi)**