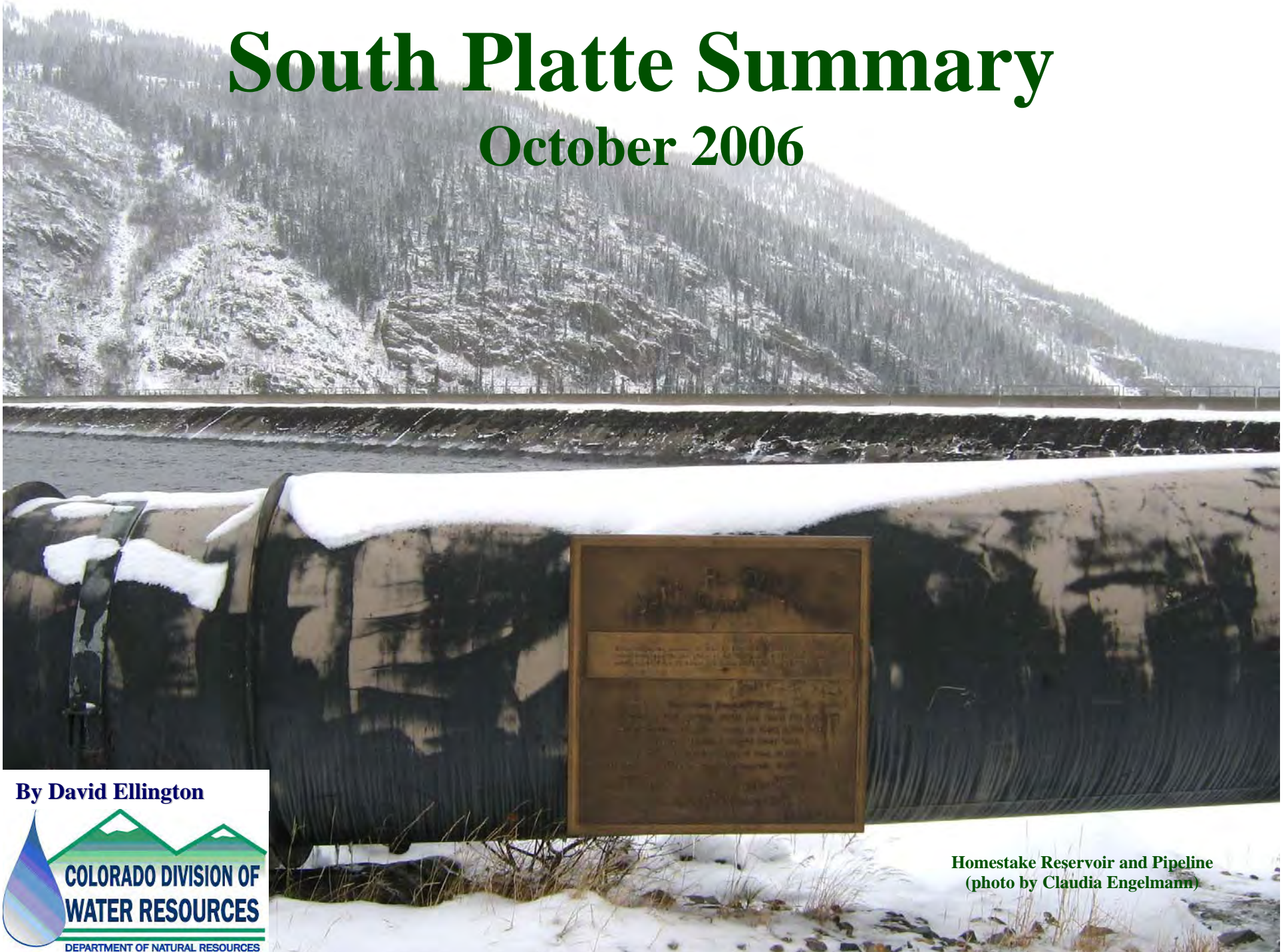
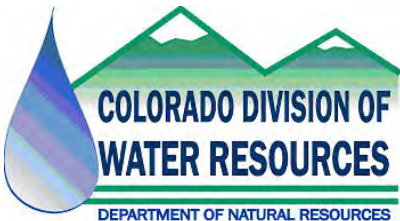


# South Platte Summary

## October 2006



By David Ellington



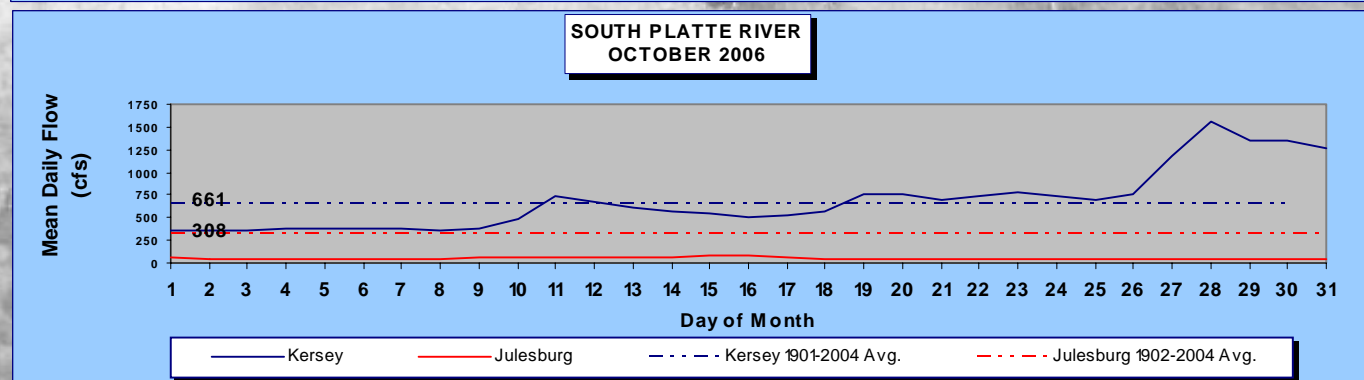
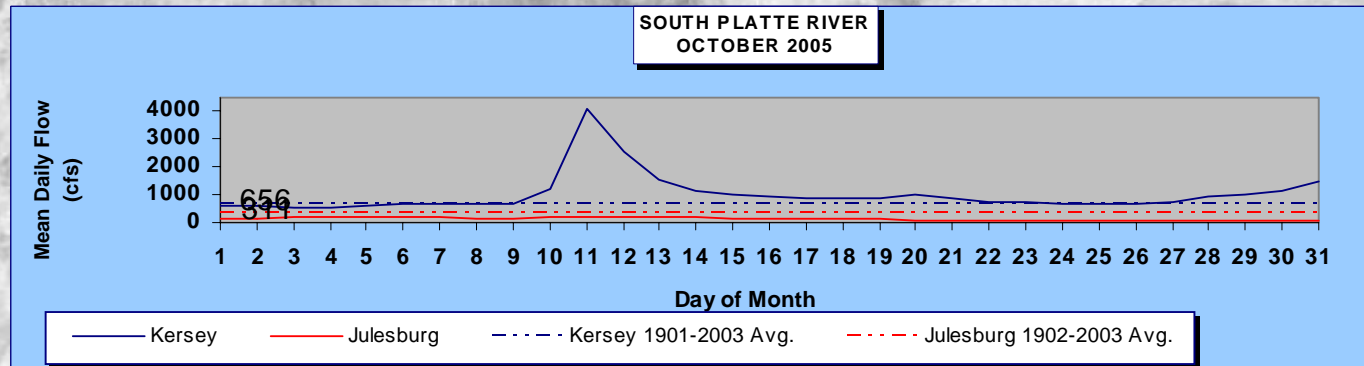
Homestake Reservoir and Pipeline  
(photo by Claudia Engelmann)

# COLORADO DIVISION OF WATER RESOURCES, DIVISION 1

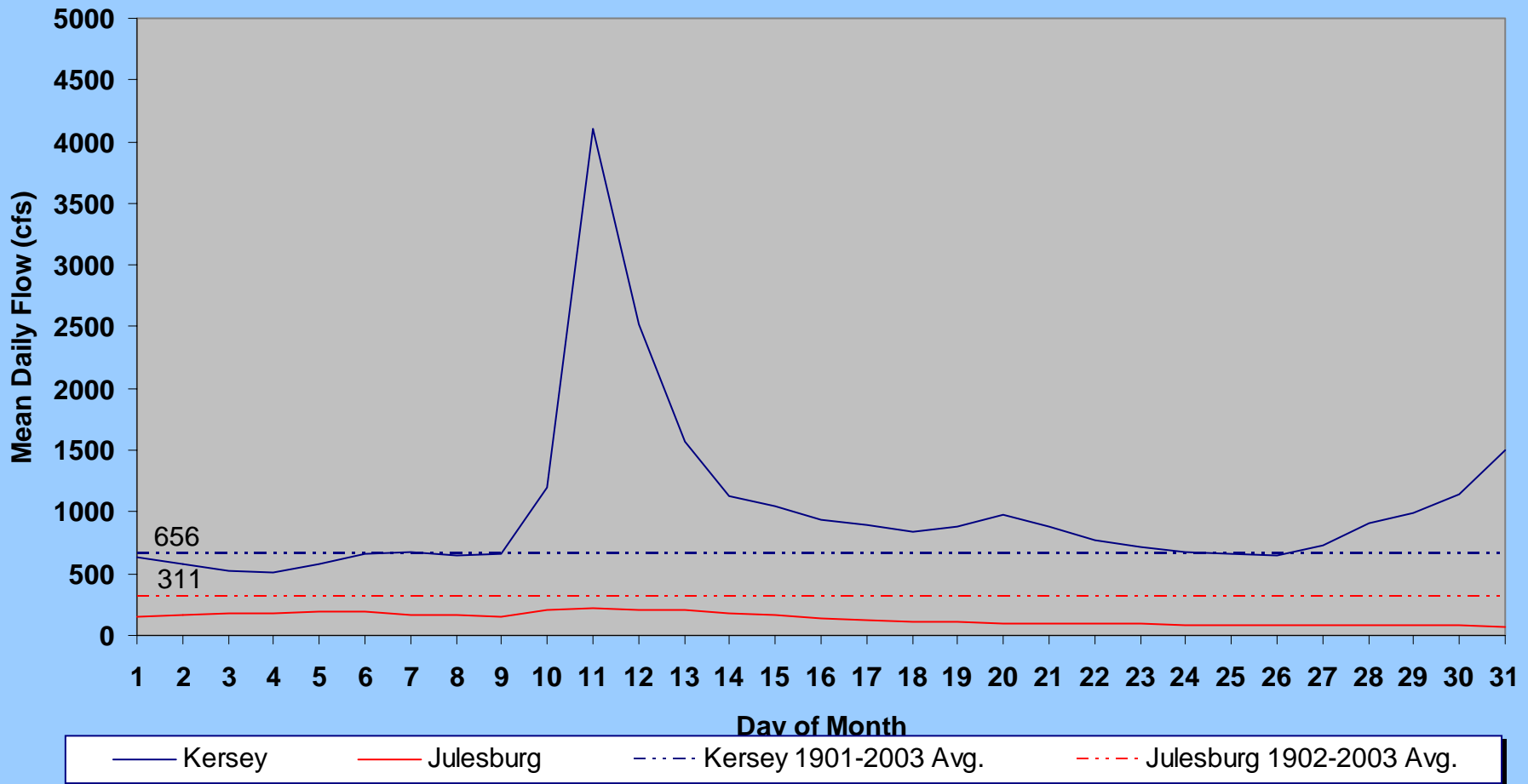
## MONTH OF OCTOBER 2006

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	0	197	64	197	0%	1%	39%	0
N STERLING	73,730	3,210	10,990	64	7,780	242%	15%	24%	0
PREWITT	28,500	4,700	0	64	-4,700	-100%	0%	77%	0
JACKSON	27,257	0	0	1	0	0%	0%	62%	0
EMPIRE	37,700	0	0	1	0	0%	0%	8%	0
RIVERSIDE	63,113	8,960	13,599	1	4,639	52%	22%	36%	0
BARR LAKE	31,652	3,826	8,800	2	4,974	130%	28%	30%	0
CHEESMAN	79,064	69,556	65,495	80	-4,061	-6%	83%	94%	0
ELEVEN MILE	97,779	99,555	99,246	23	-309	0%	100%	100%	1,467
SPINNEY	53,651	46,552	46,552	23	0	0%	87%	65%	0
ANTERO	20,015	15,740	16,315	23	575	4%	82%	34%	0

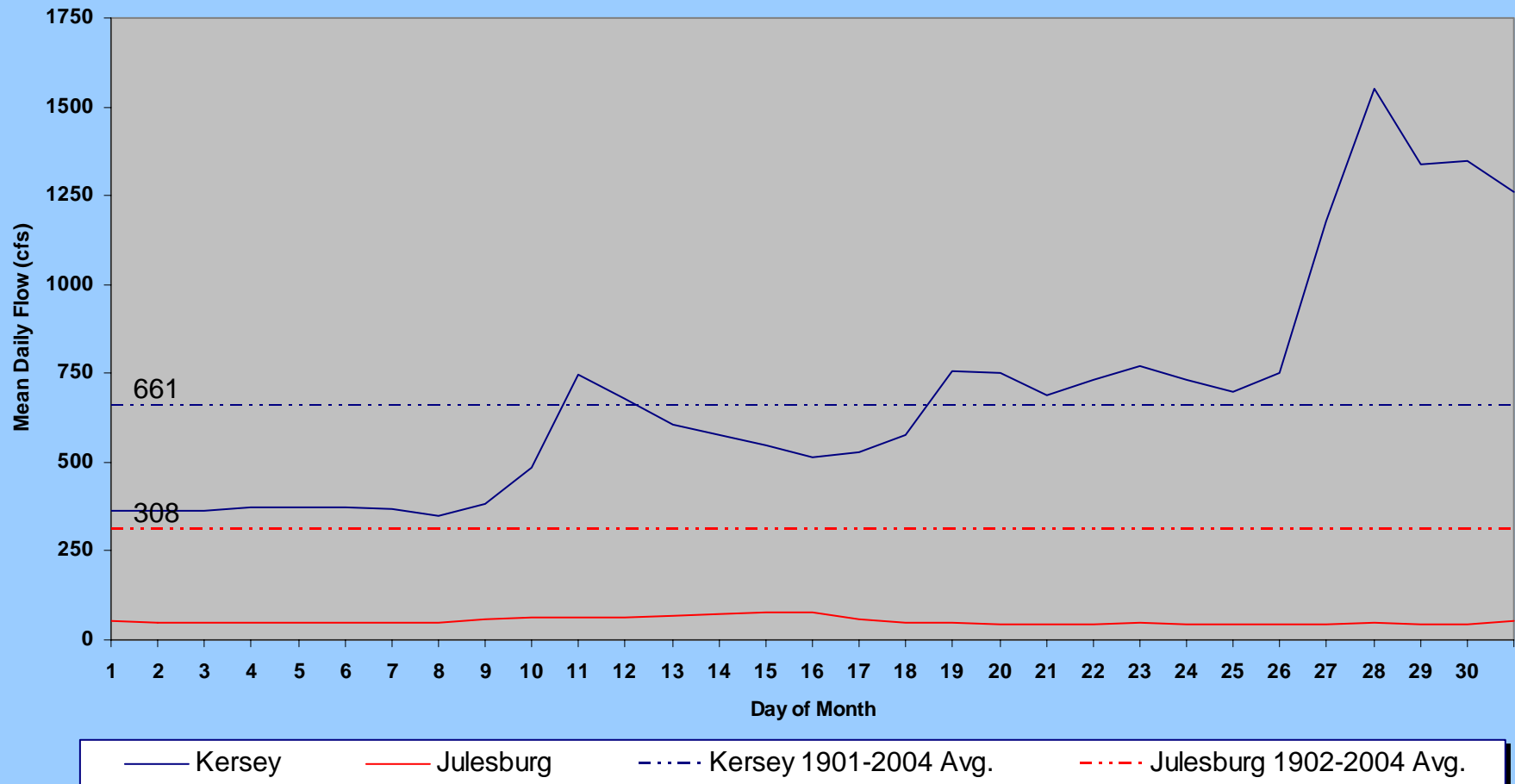
RIVER GAGES	MEAN DAILY FLOW (CFS)
<b>KERSEY</b>	<b>682</b>
<b>JULESBURG</b>	<b>53</b>
<b>THIS MONTH LAST YEAR</b>	
<b>KERSEY</b>	<b>1007</b>
<b>JULESBURG</b>	<b>137</b>
<b>MEAN FOR PERIOD OF RECORD*</b>	
<b>KERSEY</b>	<b>662</b>
<b>JULESBURG</b>	<b>308</b>
* 1901-2004	
1902-2004	



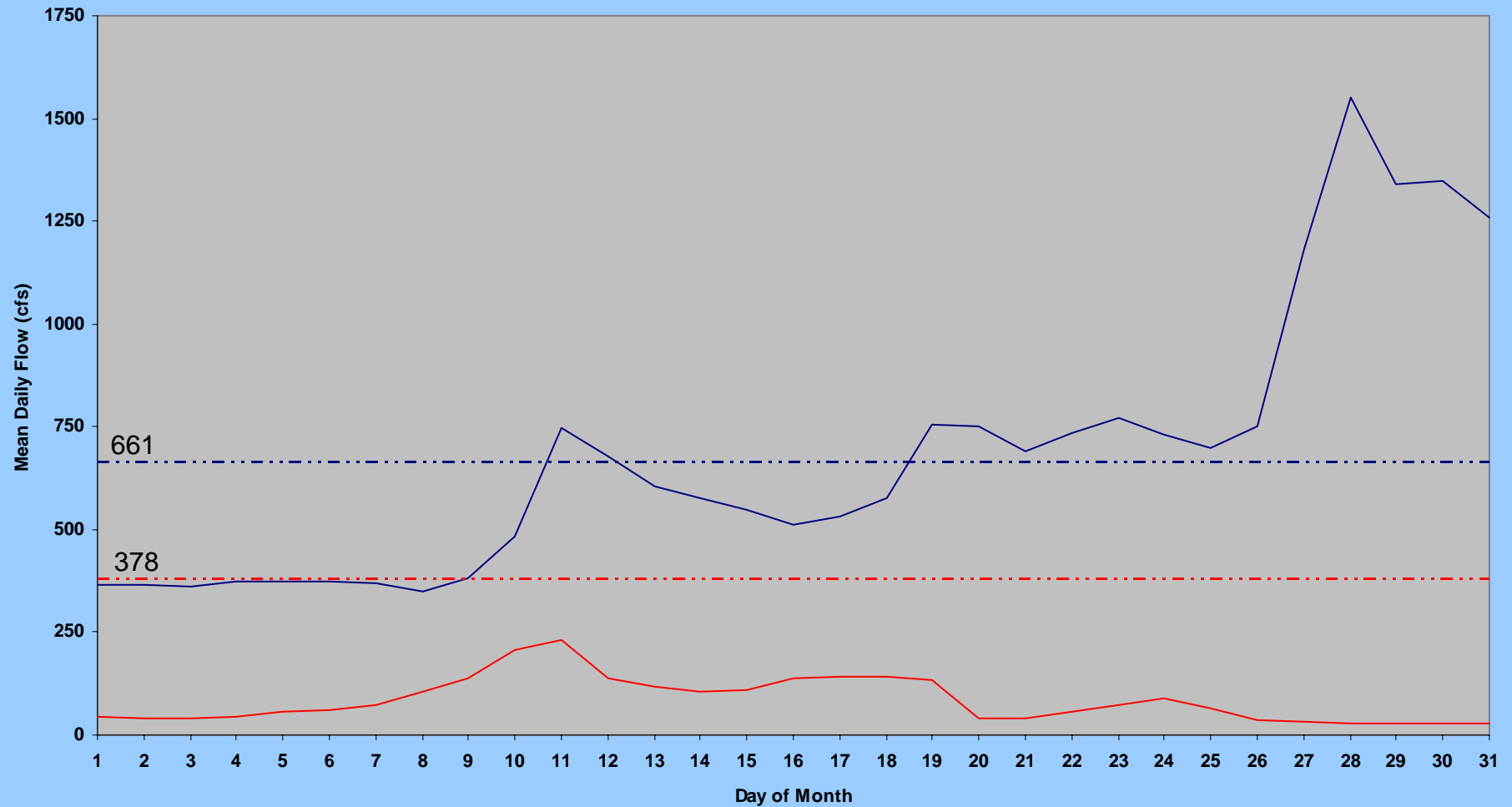
# SOUTH PLATTE RIVER OCTOBER 2005



# SOUTH PLATTE RIVER OCTOBER 2006



# KERSEY and BALZAC SEPTEMBER 2006



— Kersey

— Balzac

- - - Kersey 1901-2004 Avg.

- - - Balzac 1981-2004 Avg.



John P. Elliot Dam (photo by Claudia Engelmann)

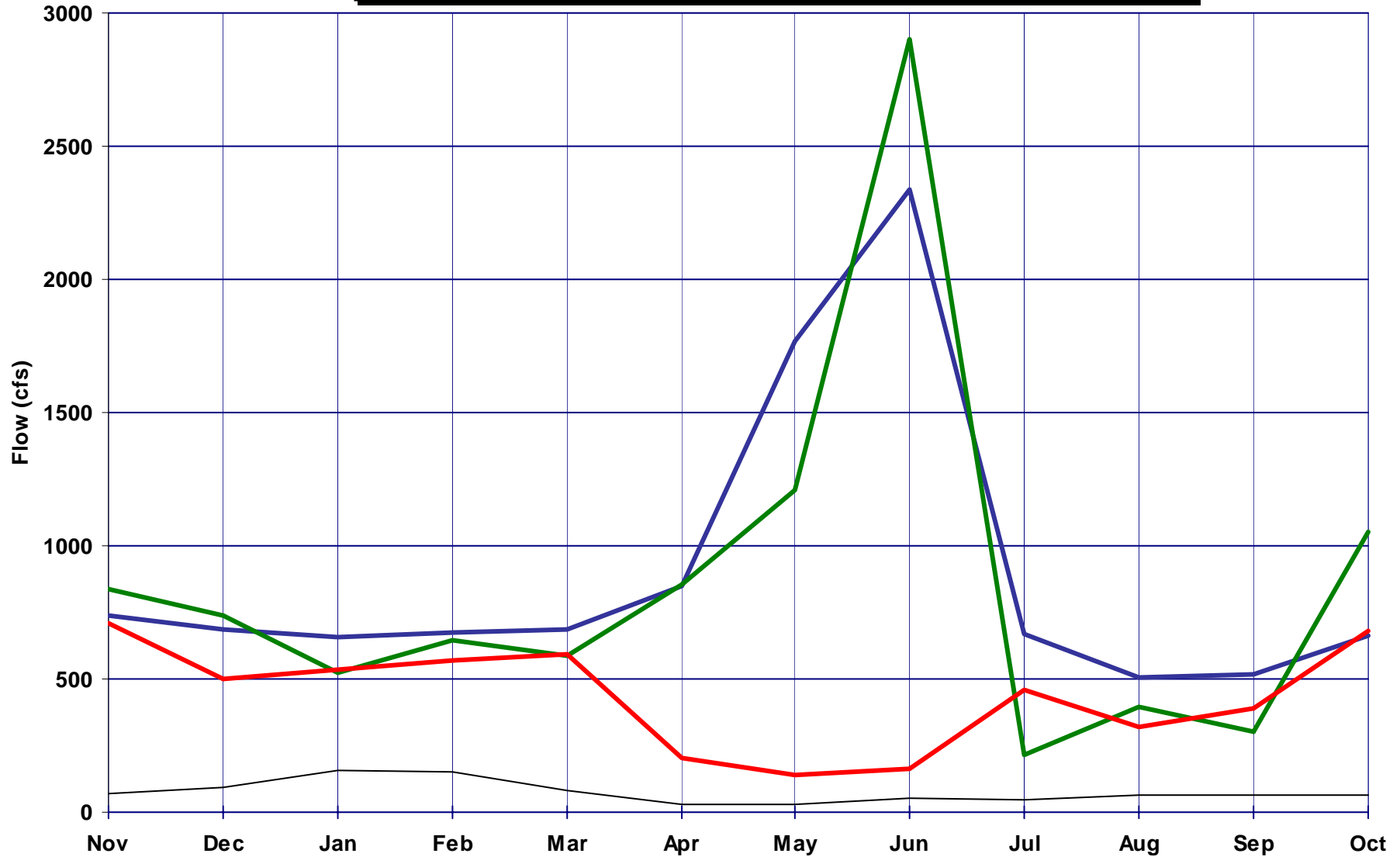


## South Platte River Monthly Stream Flow (cfs) Statistics

South Platte River at Kersey							South Platte River at Julesburg						
Month	Historic* Mean Flow	Historic* Max Flow	Year	Historic* Min Flow	Year	IY 2006 Mean Monthly Flow	Month	Historic* Mean Flow	Historic* Max Flow	Year	Historic* Min Flow	Year	IY 2006 Mean Monthly Flow
Nov	737	3650	1984	70	1934	709	Nov	346	2900	1984	4.2	1903	71
Dec	684	1890	1961	91	1934	502	Dec	408	1820	1984	13	2002	165
Jan	656	2160	1974	158	1935	537	Jan	526	2510	1970	21	2003	98
Feb	673	3060	1914	152	1935	569	Feb	604	3220	1930	22	2004	115
Mar	686	3470	1983	80	1935	592	Mar	545	12900	1910	15	1904	100
Apr	849	18100	1942	28	1955	204	Apr	540	14400	1942	4.0	1904	144
May	1766	26100	1973	29	1955	138	May	1043	18100	1973	12	1911	174
Jun	2336	31000	1921	52	1954	165	Jun	1459	30800	1921	2.0	1910	34
Jul	670	12600	1983	44	1955	462	Jul	300	12600	1983	0.0	1903	31
Aug	506	9690	1951	65	1934	320	Aug	184	8920	1968	0.0	1903	25
Sep	517	14200	1938	62	1940	389	Sep	245	7130	1938	2.0	1902	42
Oct	662	6180	1984	66	1954	682	Oct	308	3130	1984	4.2	1903	53
*Period of record 1901-2004							*Period of record 1902-2004						

# South Platte River at Kersey

Irrigation Water Year



— Historic\* Mean Flow

\*1901-2004

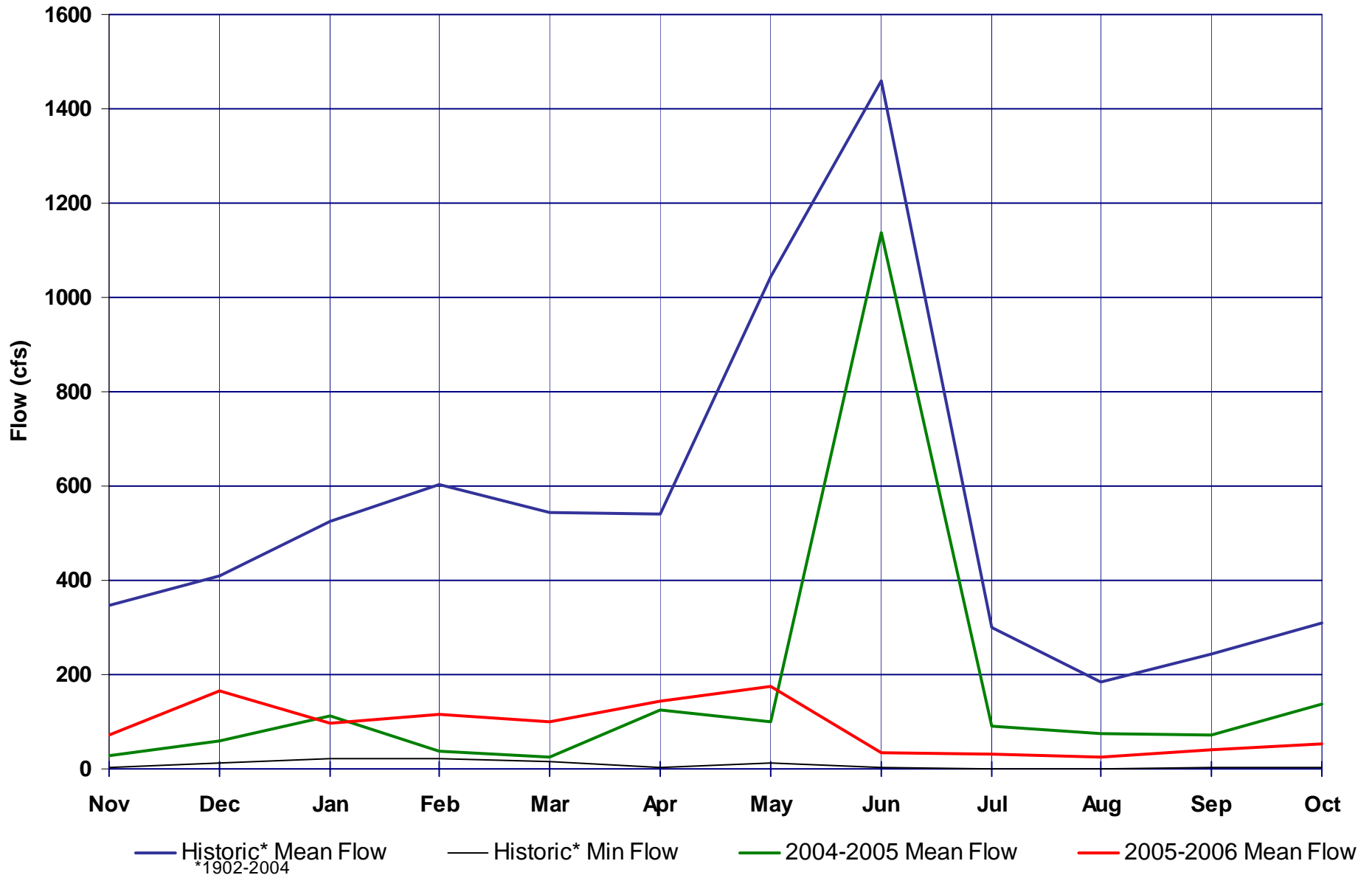
— Historic\* Min Flow

— 2004-2005 Mean Flow

— 2005-2006 Mean Flow

# South Platte River at Julesburg

Irrigation Water Year





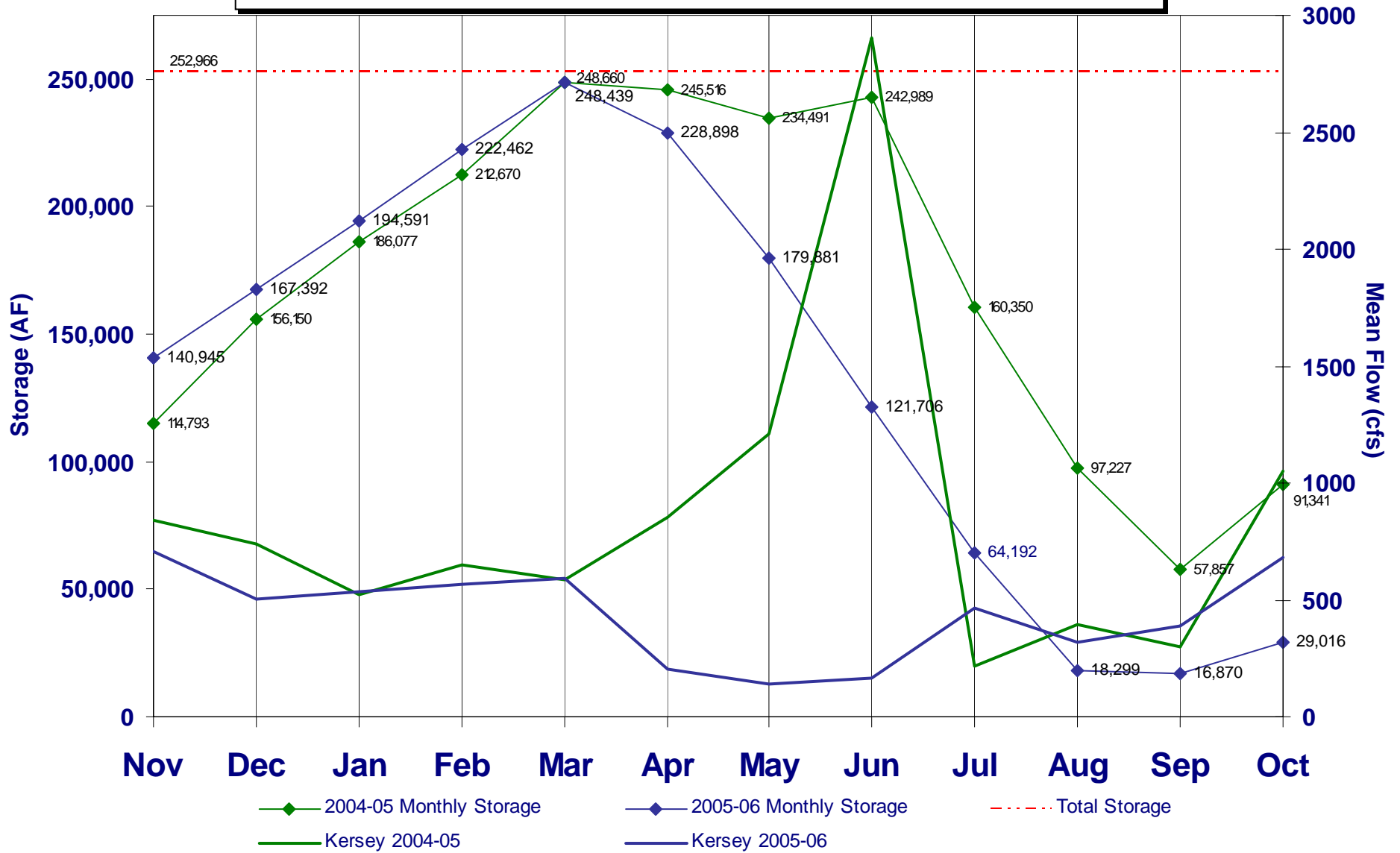
**Next four slides show Reservoir Storage  
below and above Kersey**



**Gage Below Homestake Reservoir  
(photo by Claudia Engelmann)**

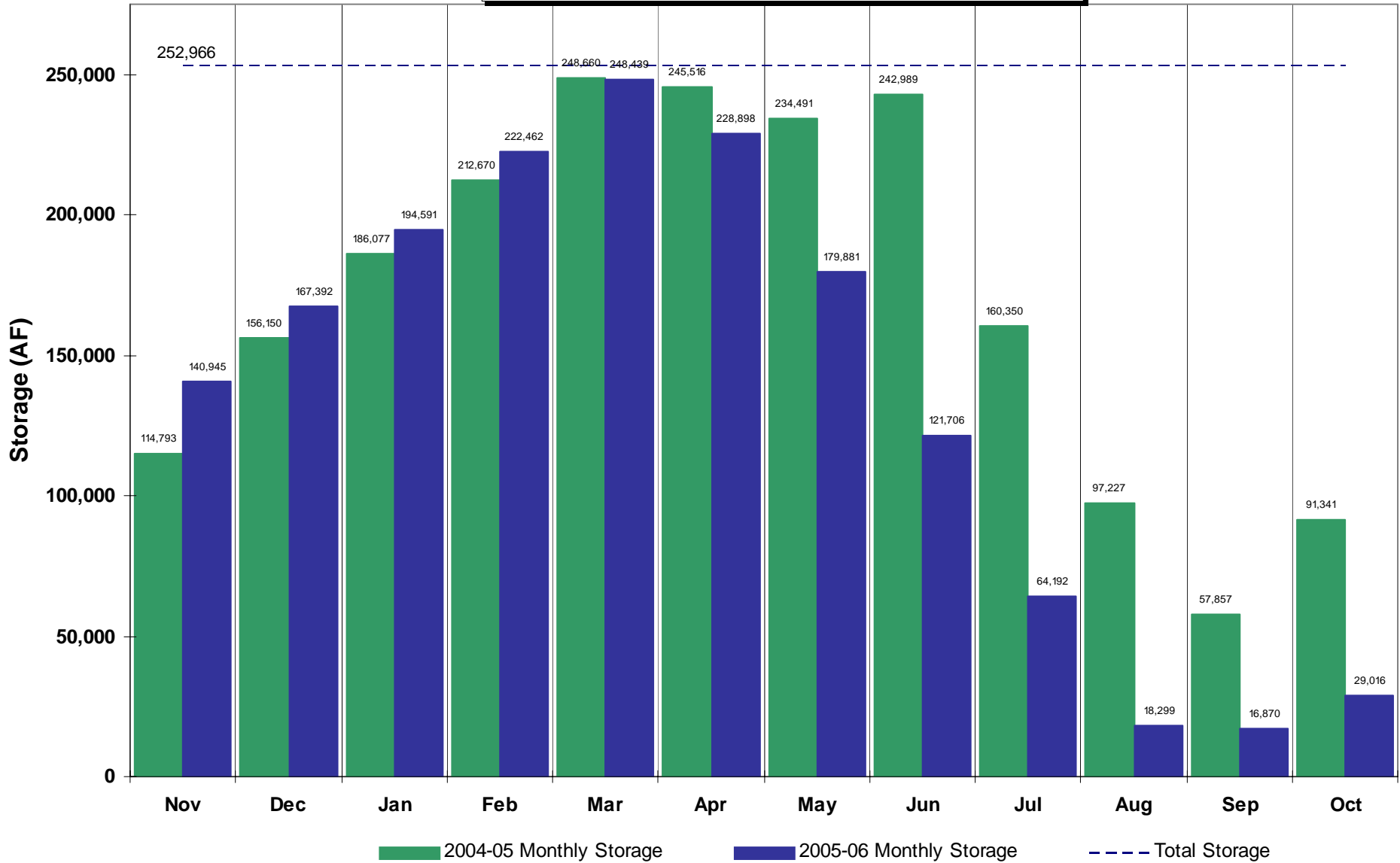
# Reservoir Storage below Kersey

Selected Reservoirs\*



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

# South Platte Reservoirs Storage below Kersey\*

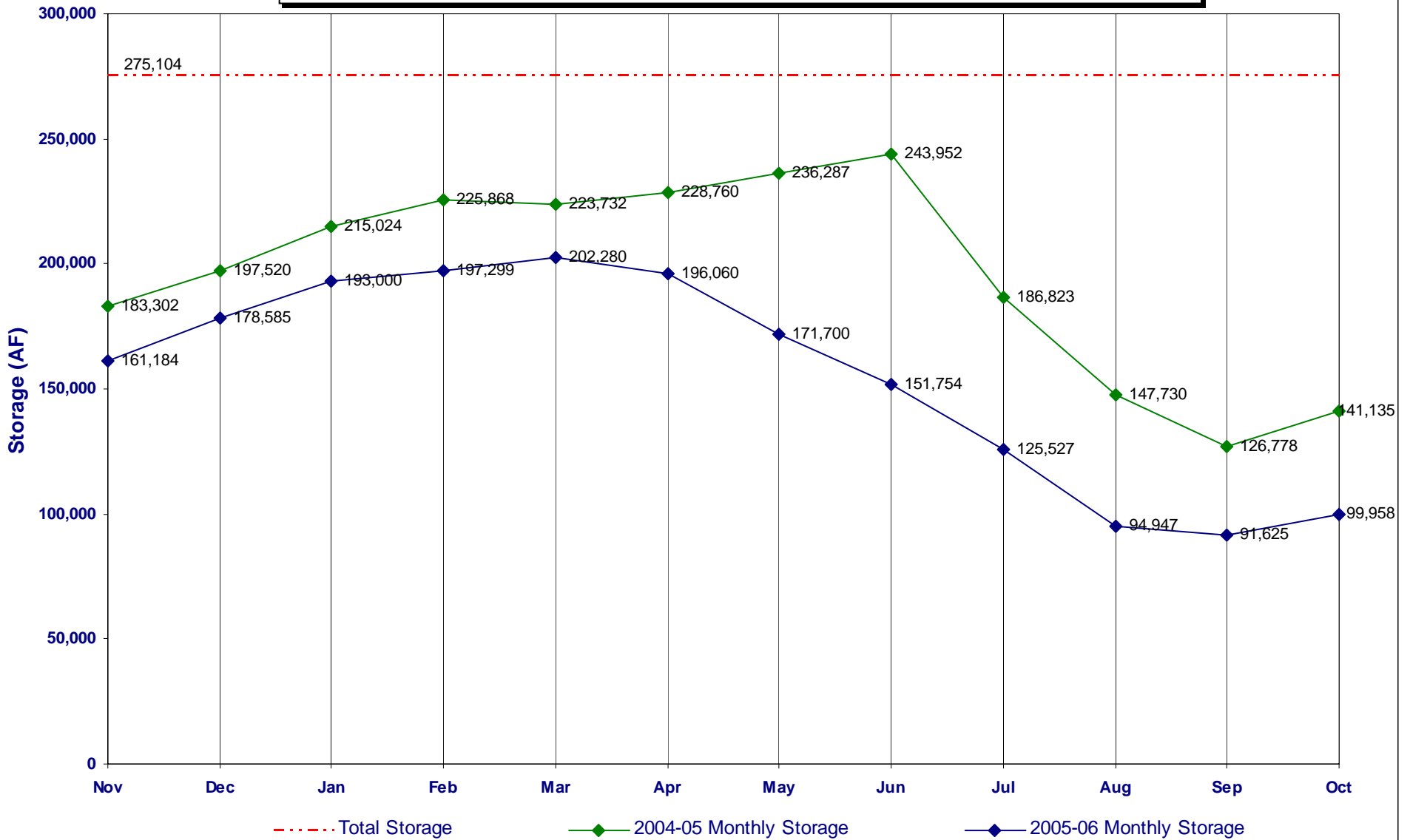


\*Empire, Riverside, Jackson, Prewitt, North Sterling, & Julesburg



# Reservoir Storage above Kersey

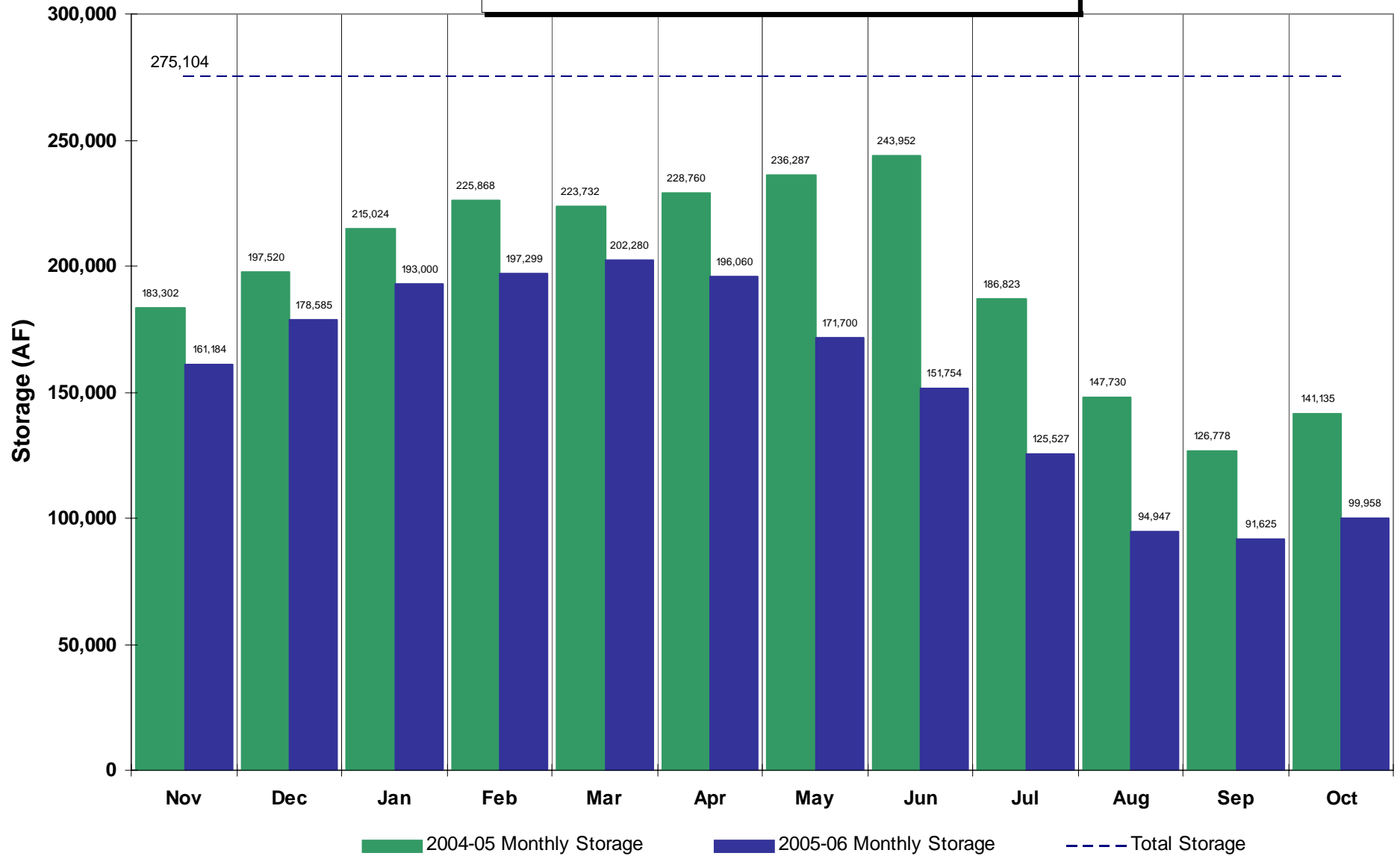
Selected Reservoirs\*



\*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, &



A photograph of a snowy forest. The trees are heavily covered in snow, and the ground is also covered in a thick layer of snow. In the foreground, there is a stream of water, possibly a reservoir, which is partially frozen. The overall scene is a winter landscape.

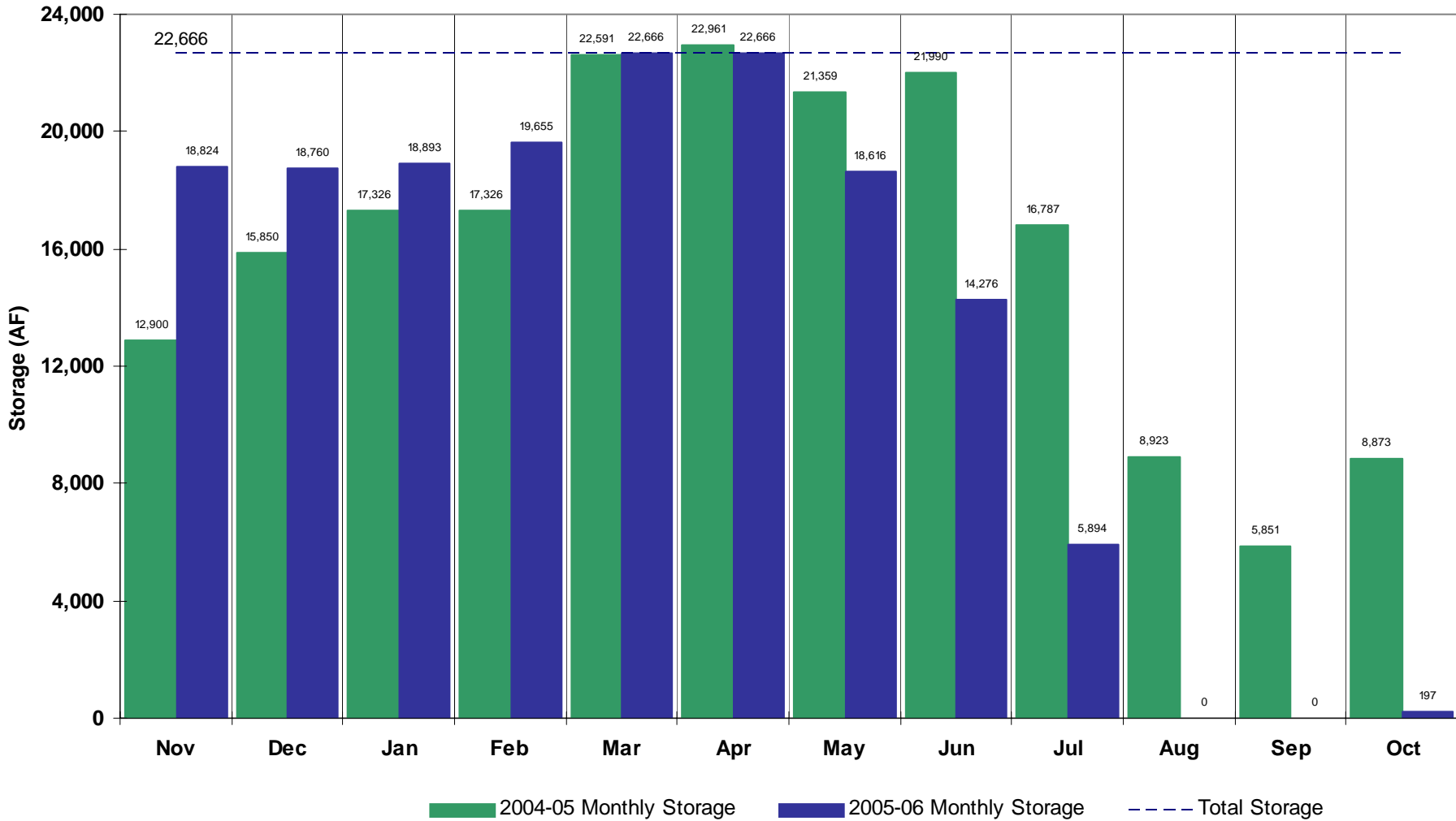
# **Individual Reservoir Storage Follows**

**Homestake Collection System  
(photo by Claudia Engelmann)**

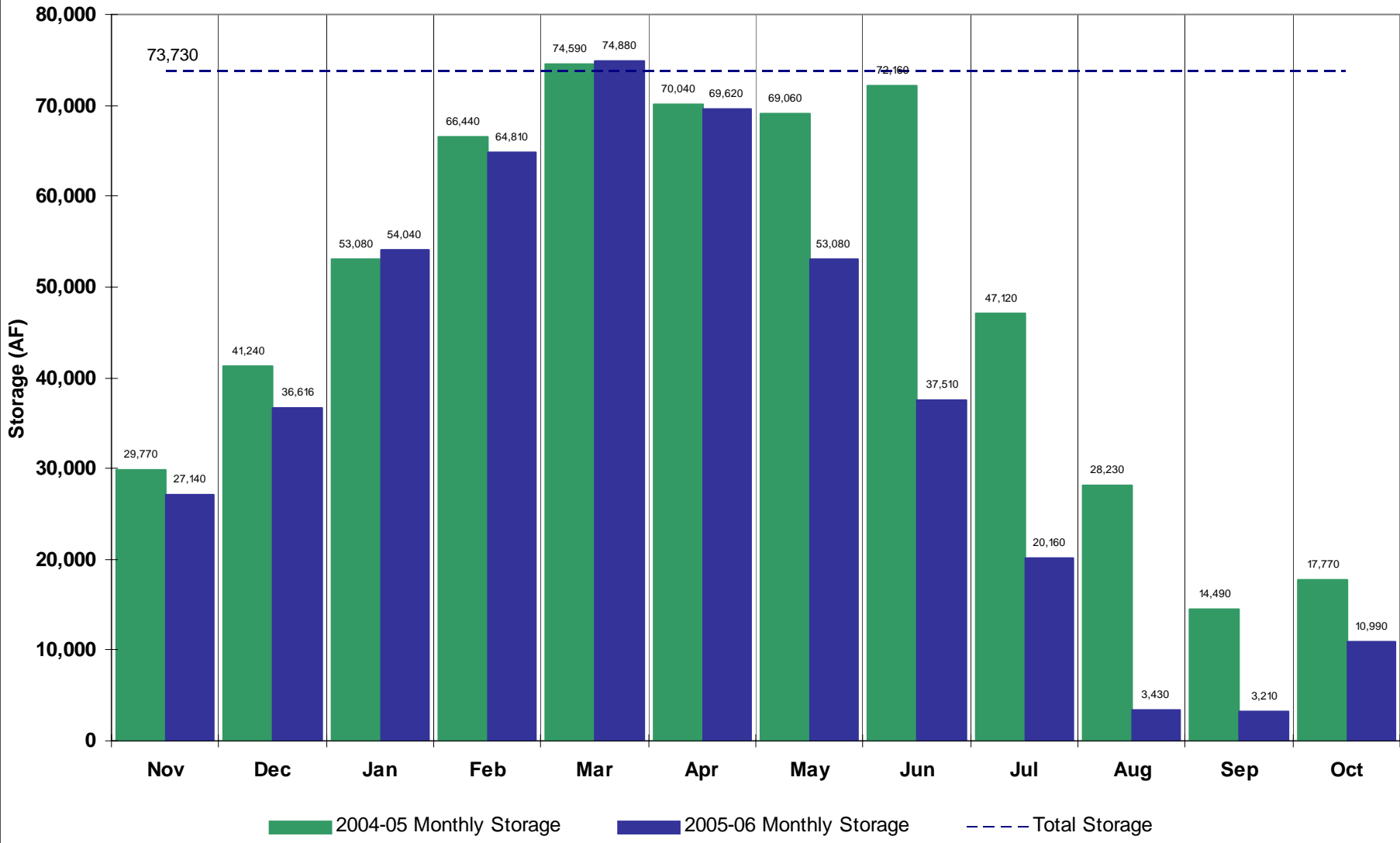


# Julesburg Reservoir

## (Agricultural)

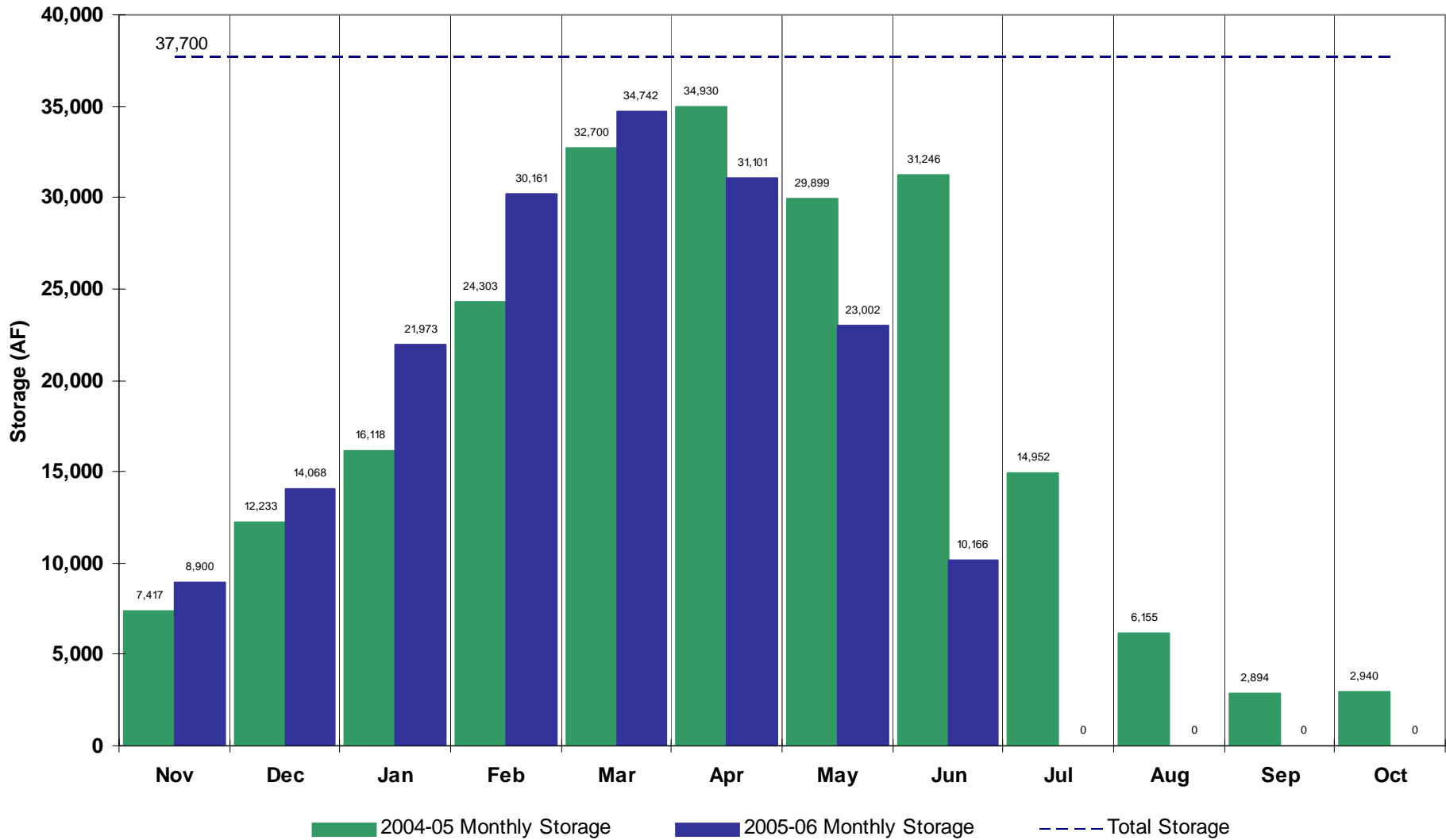


# North Sterling Reservoir (Agricultural)



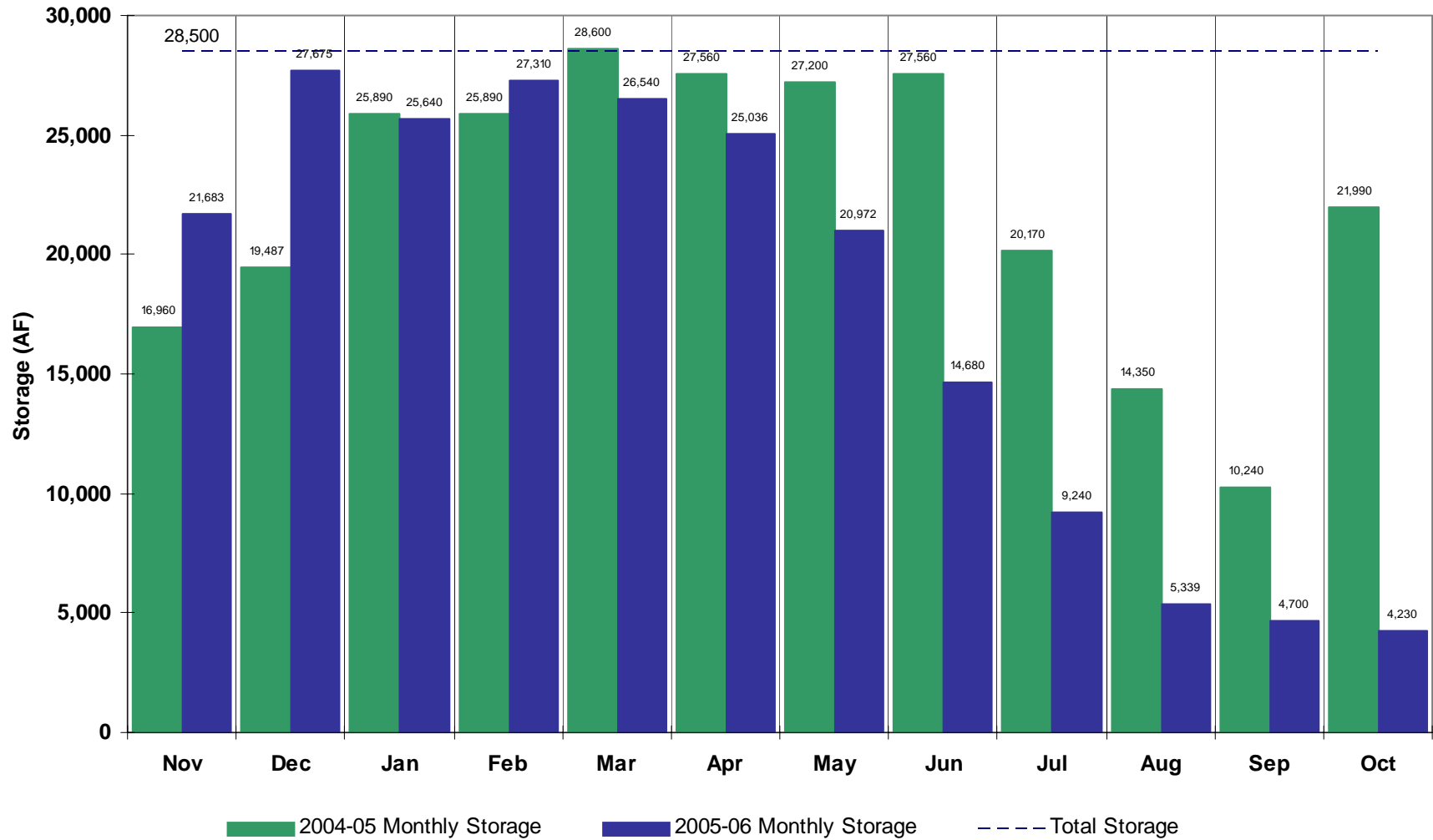


# Empire Reservoir (Agricultural)



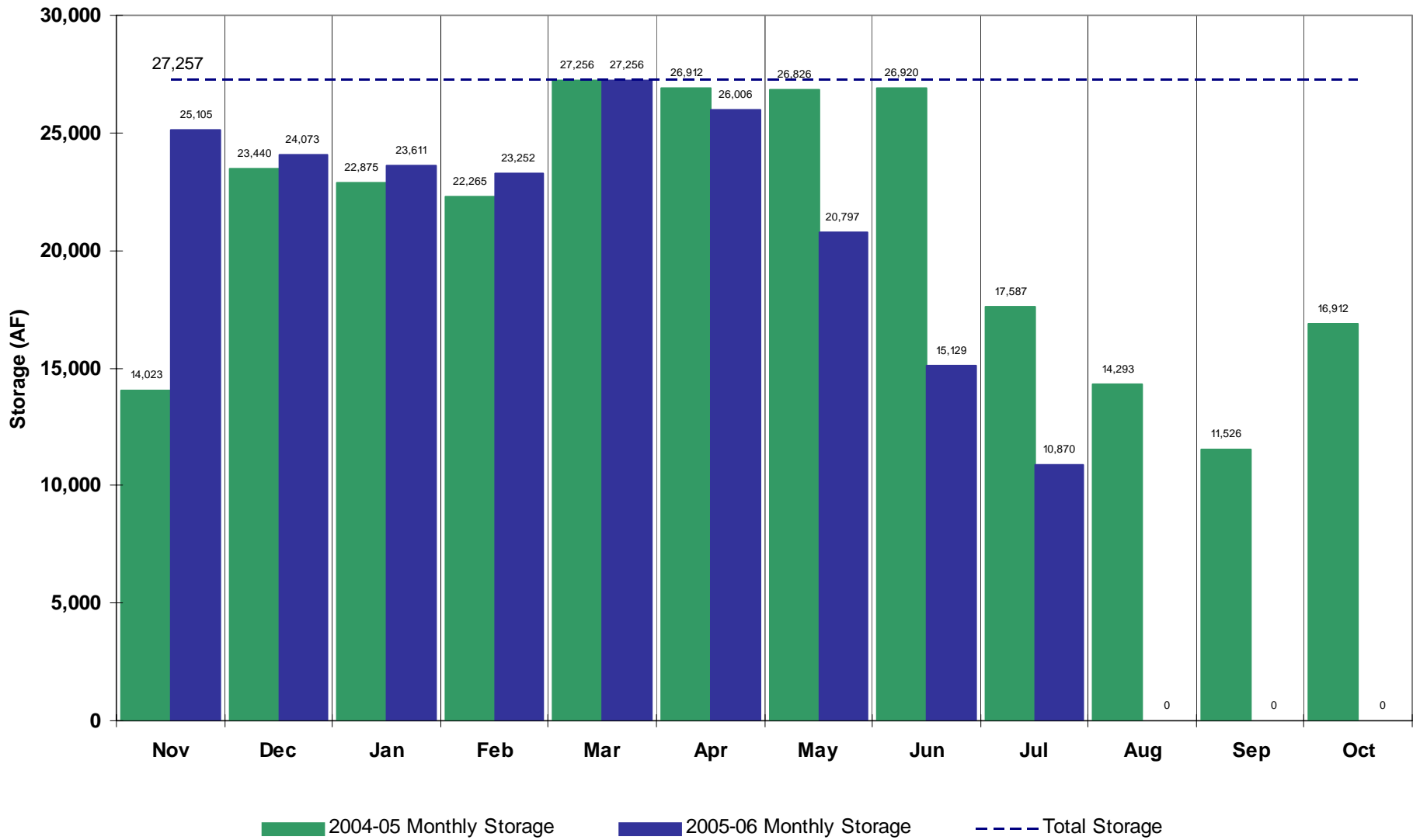
# Prewitt Reservoir

(Agricultural)



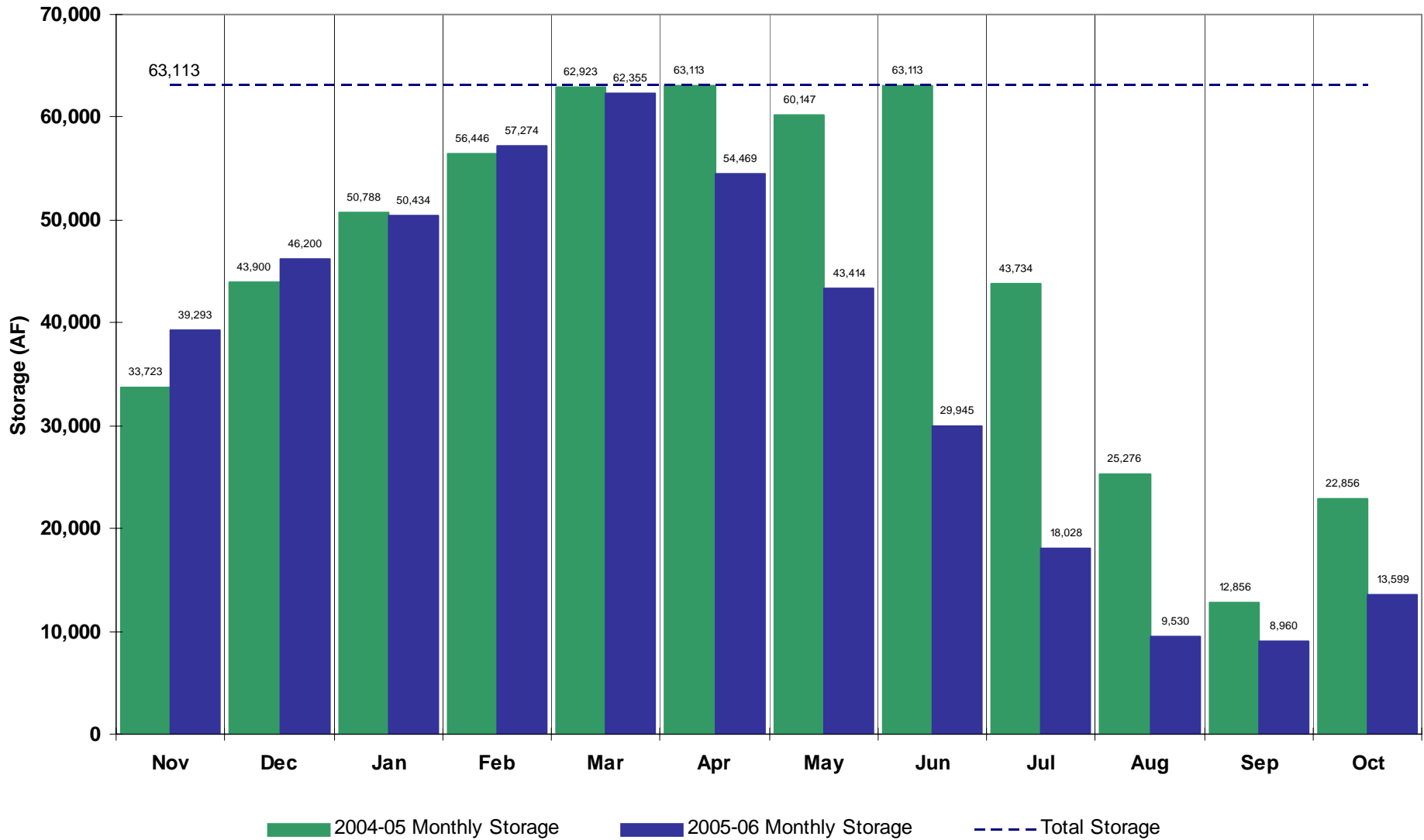
# Jackson Reservoir

(Agricultural)



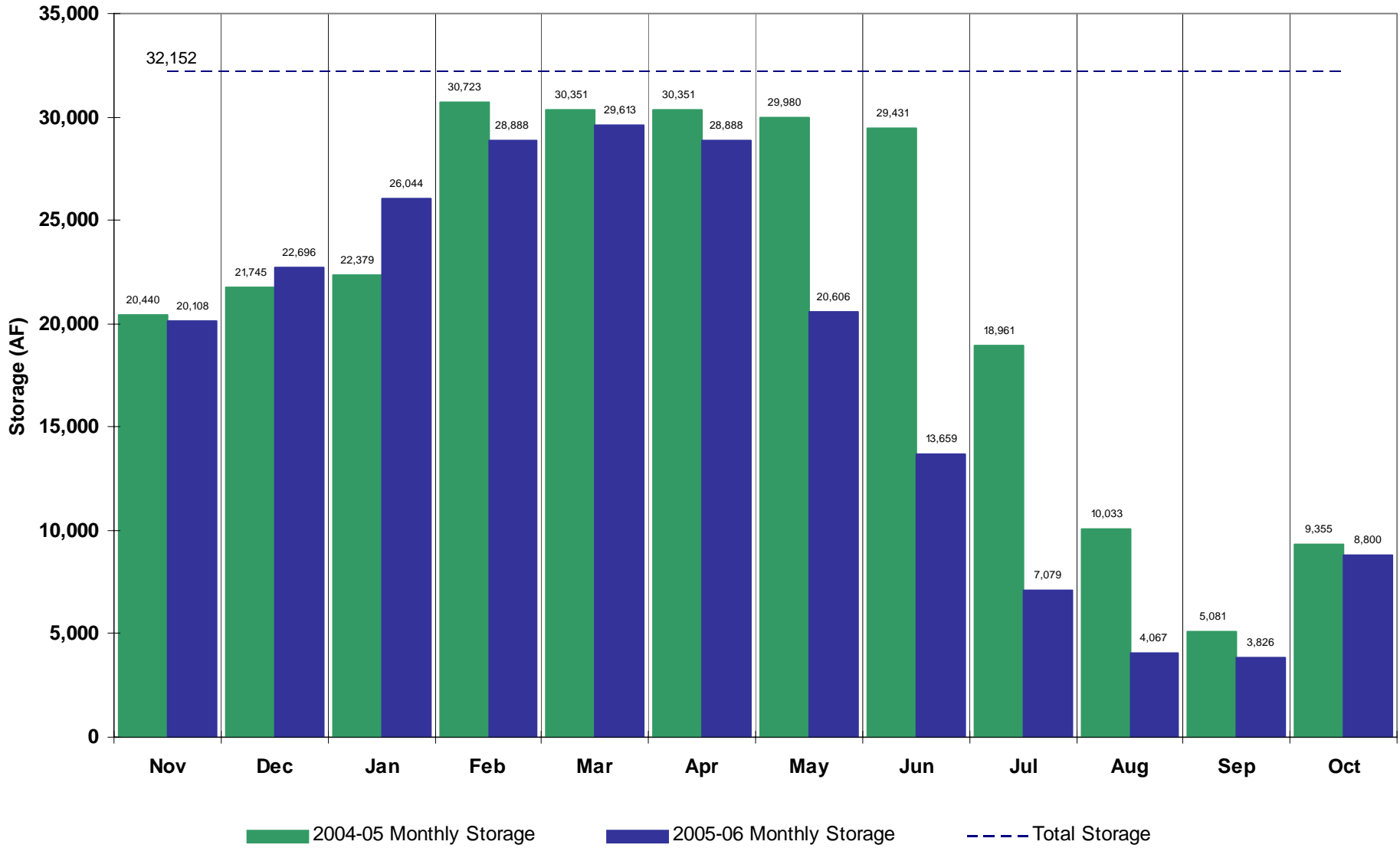
# Riverside Reservoir

(Agricultural)

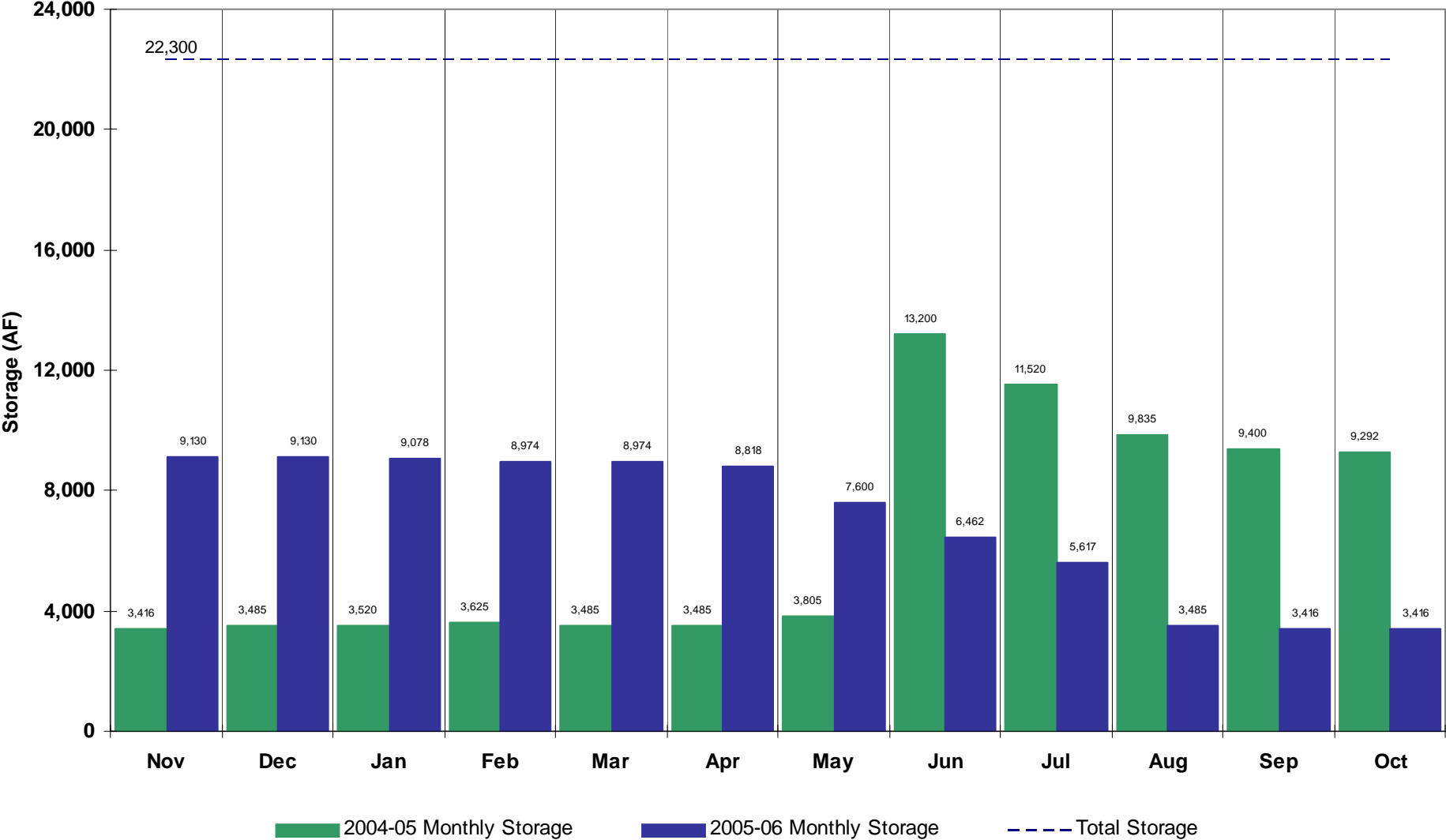




# Barr Lake (Agricultural)

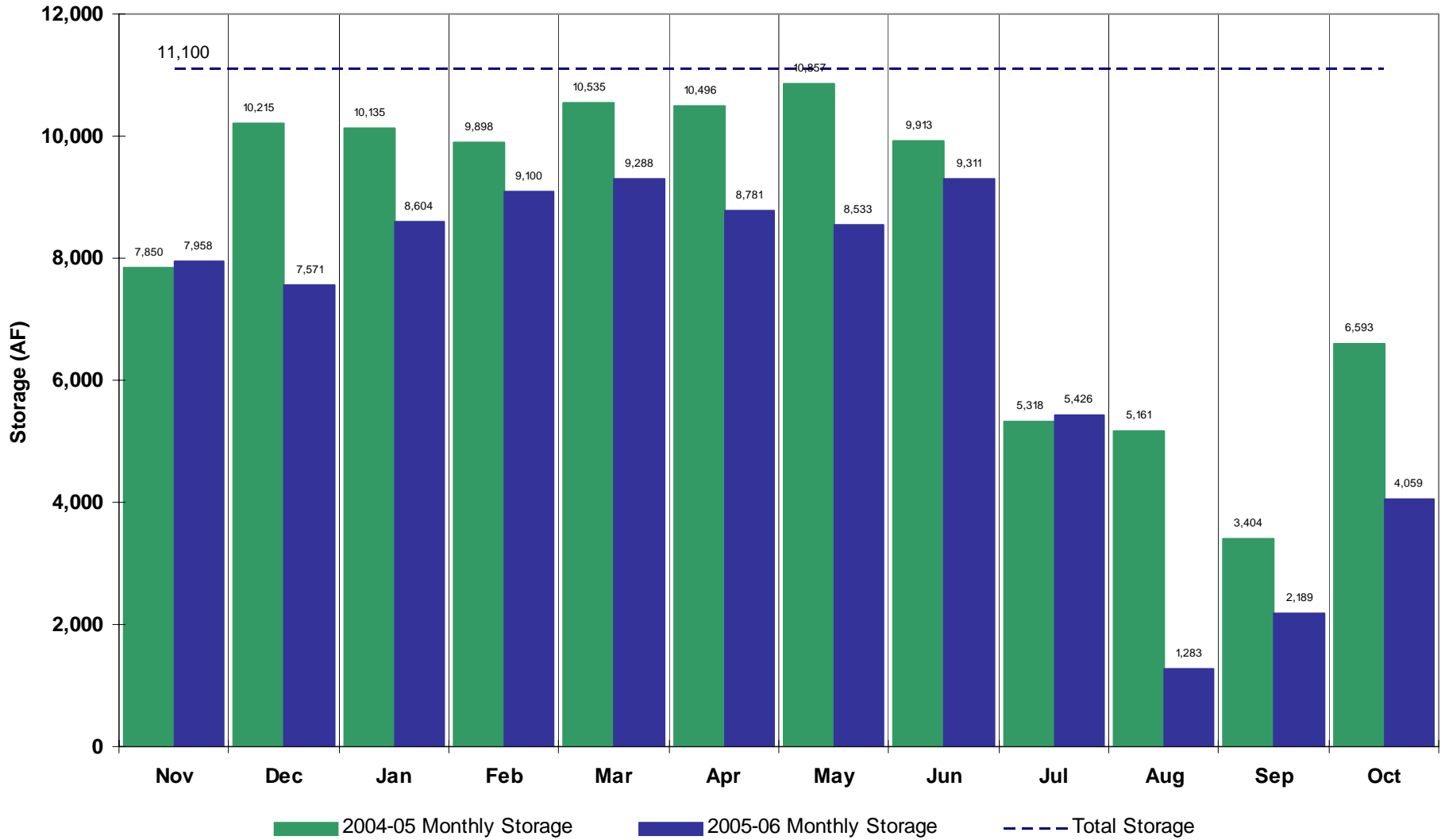


# Cobb Lake (Agricultural)

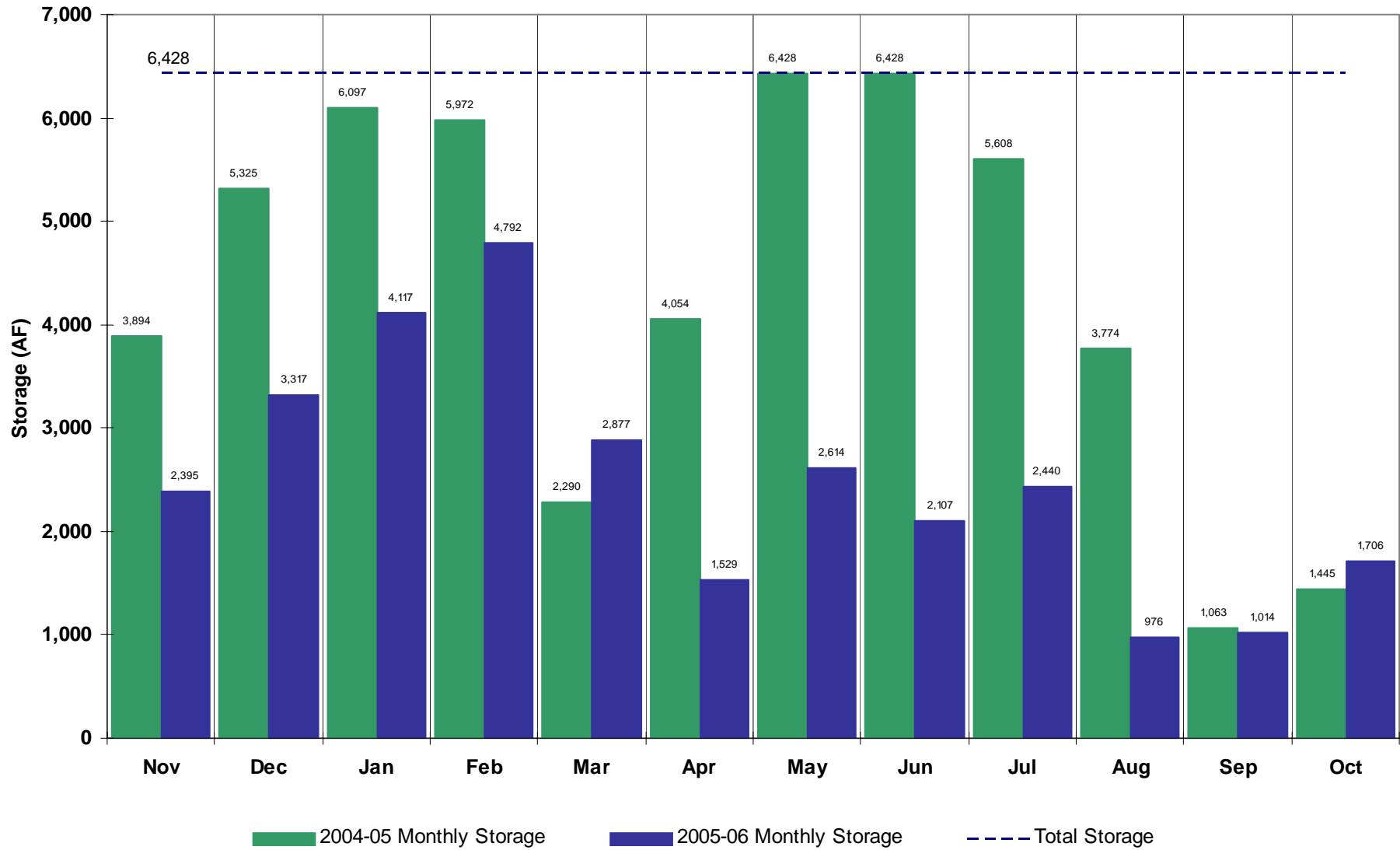


# Fossil Creek Reservoir

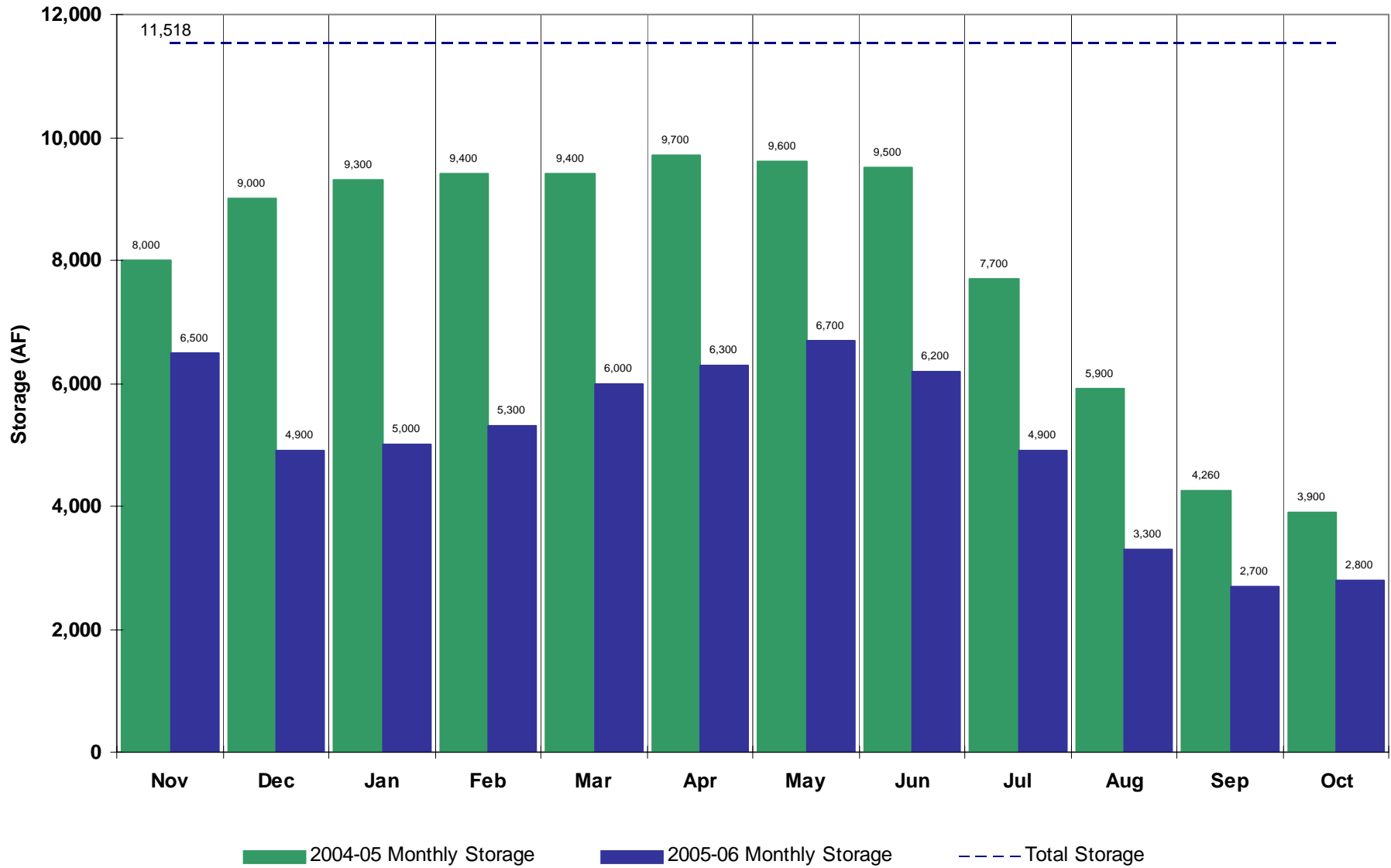
## (Agricultural)



# Halligan Reservoir (Agricultural)

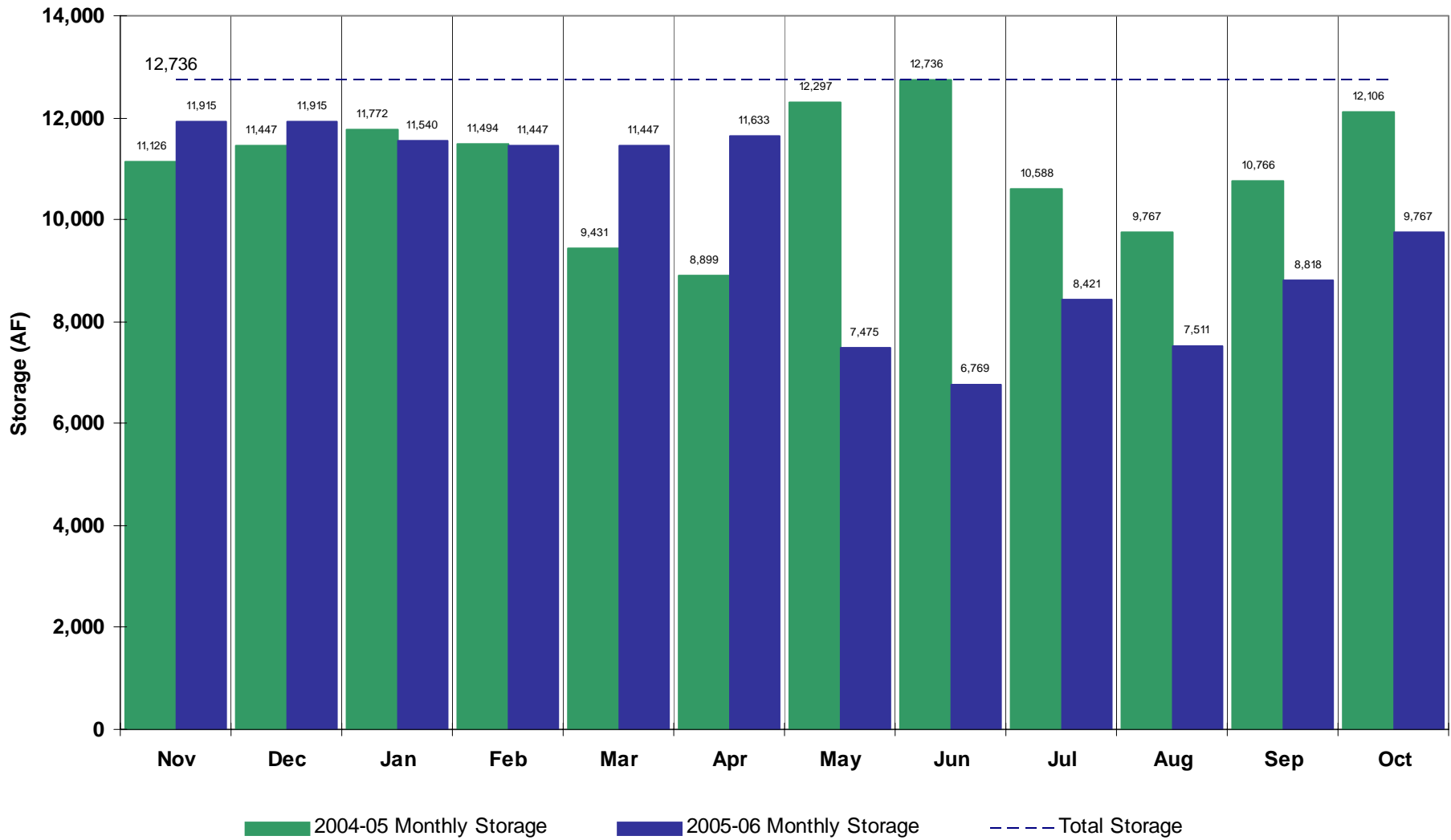


# Marshall Lake (Agricultural)



# Loveland Greeley Reservoir

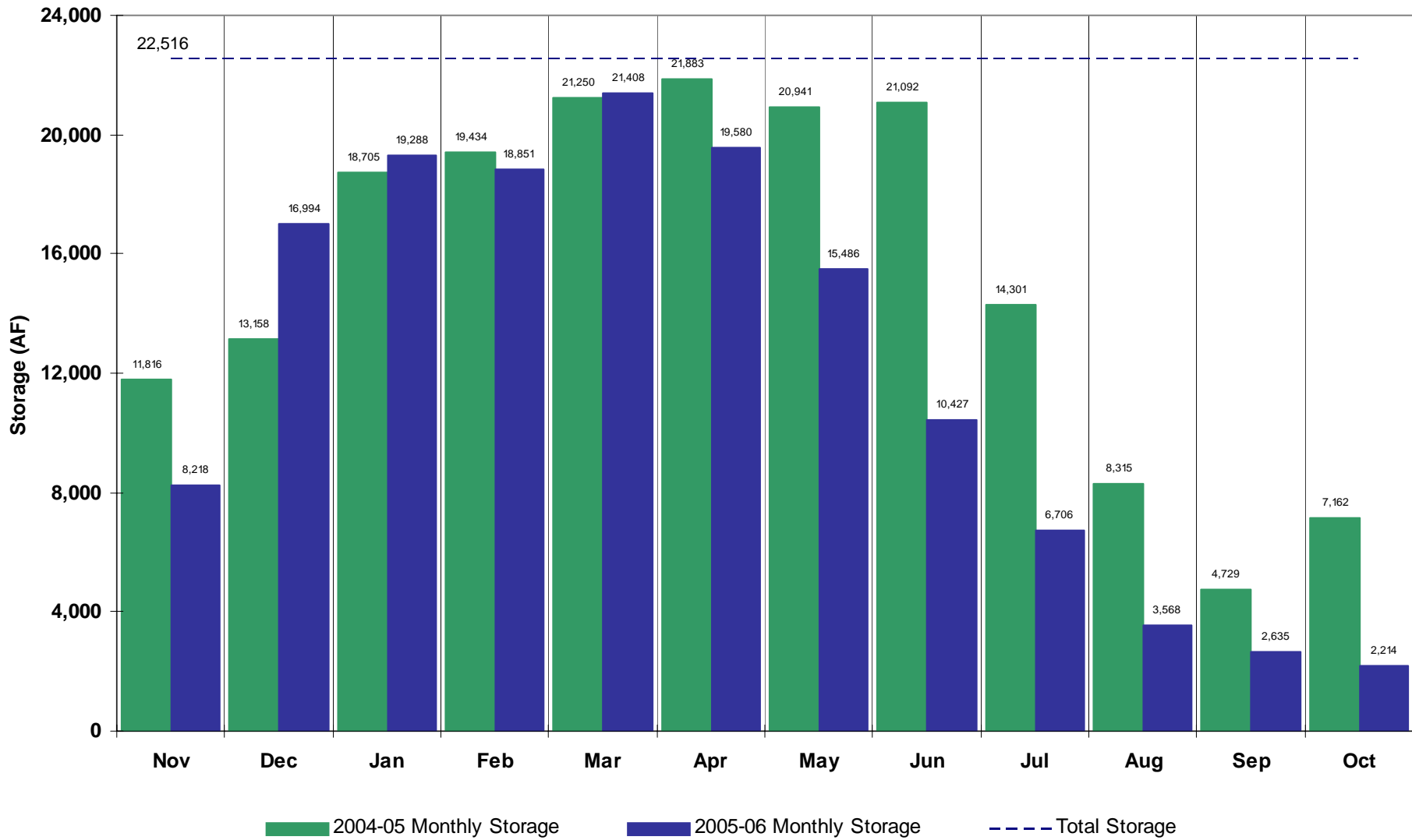
## (Agricultural)



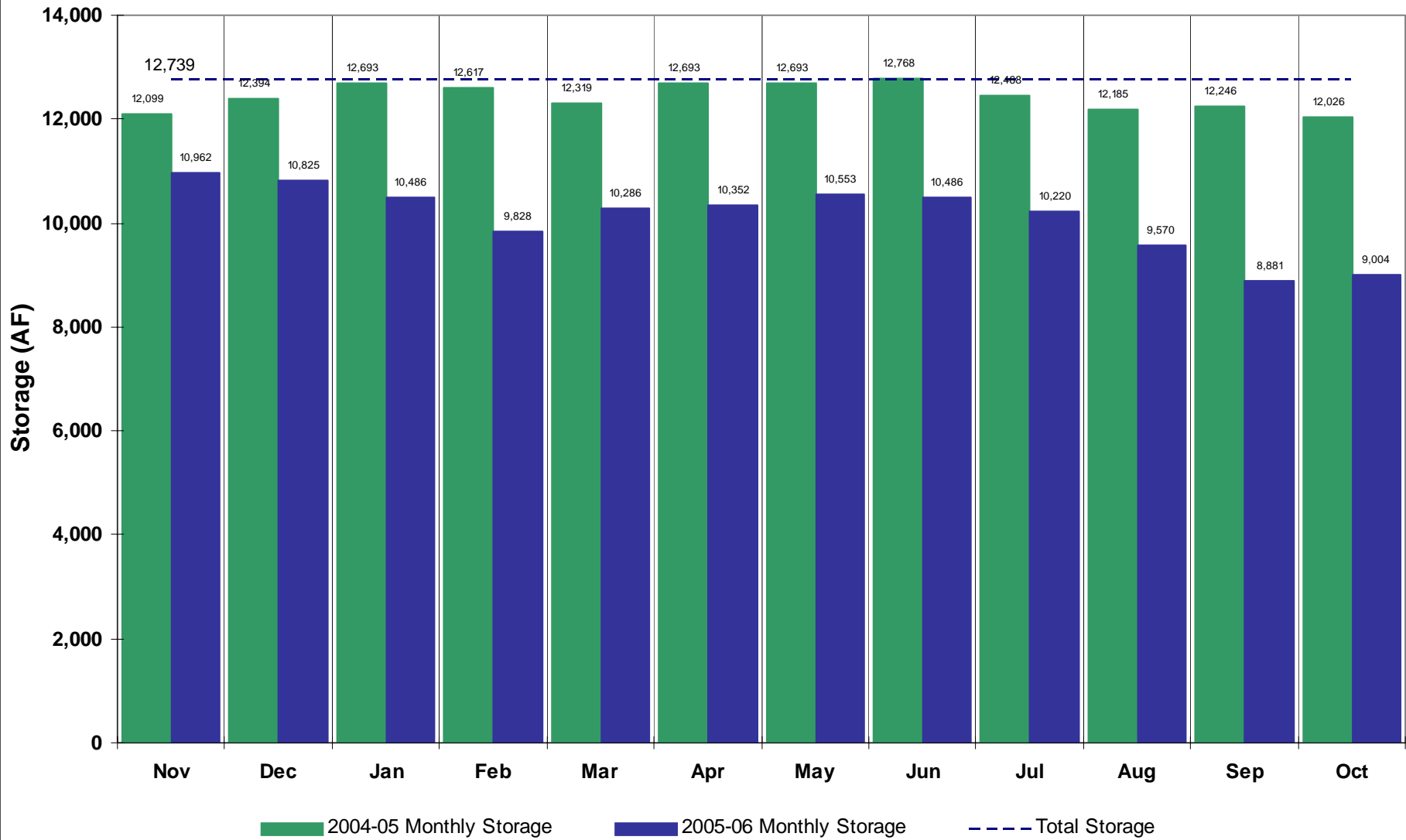


# Milton Reservoir

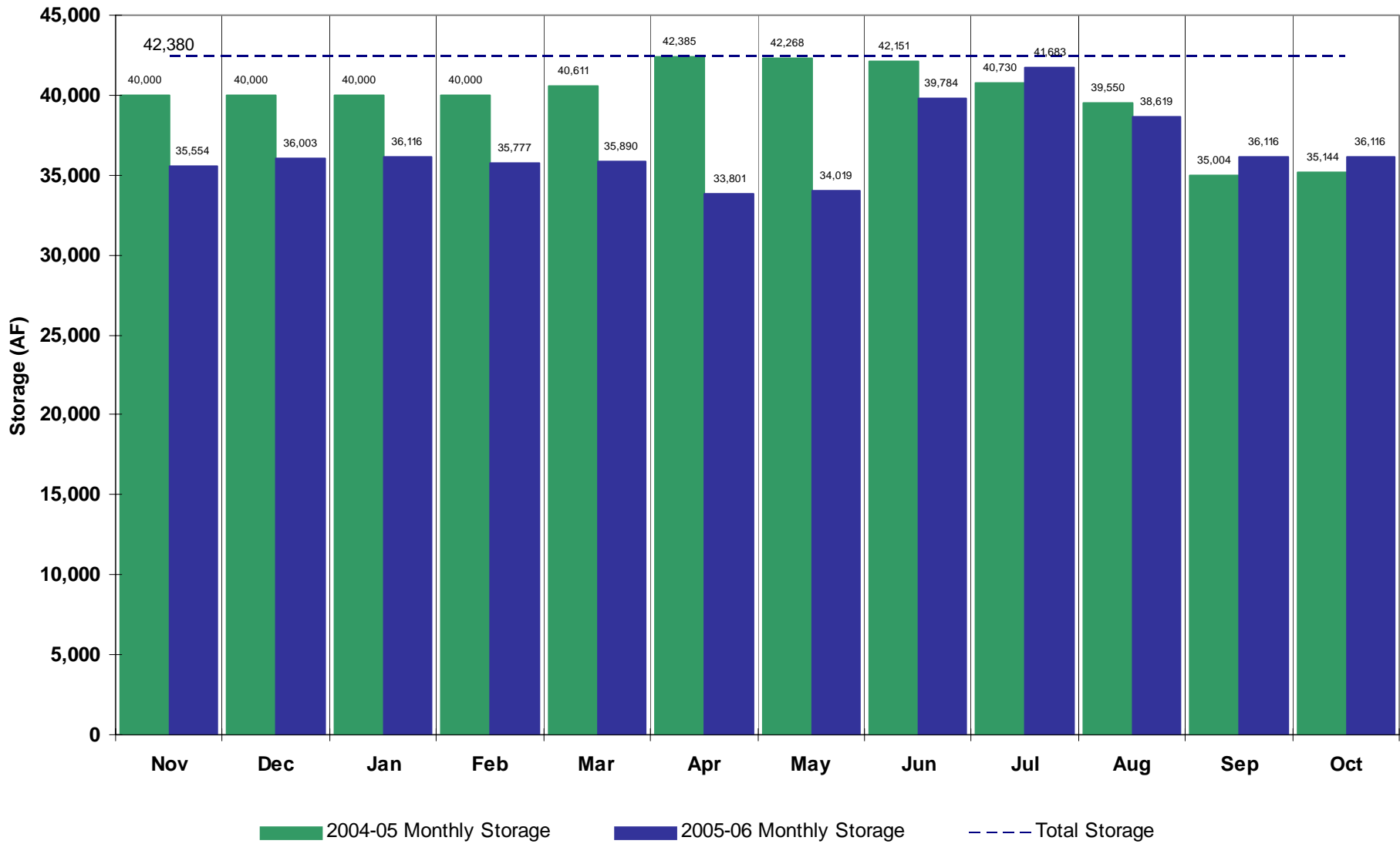
(Agricultural)



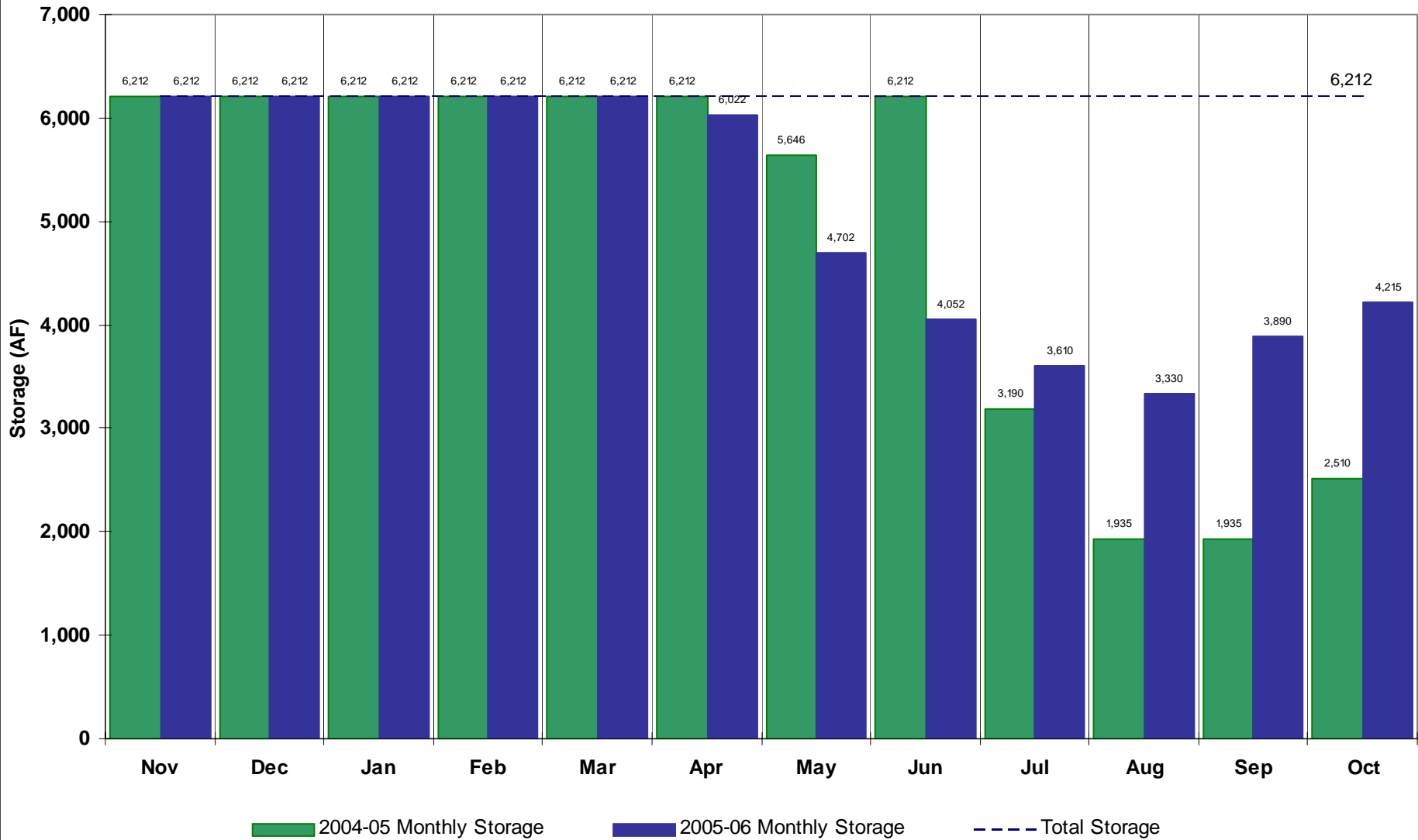
# Union Reservoir (Agricultural)



# Standley Lake (Agricultural)

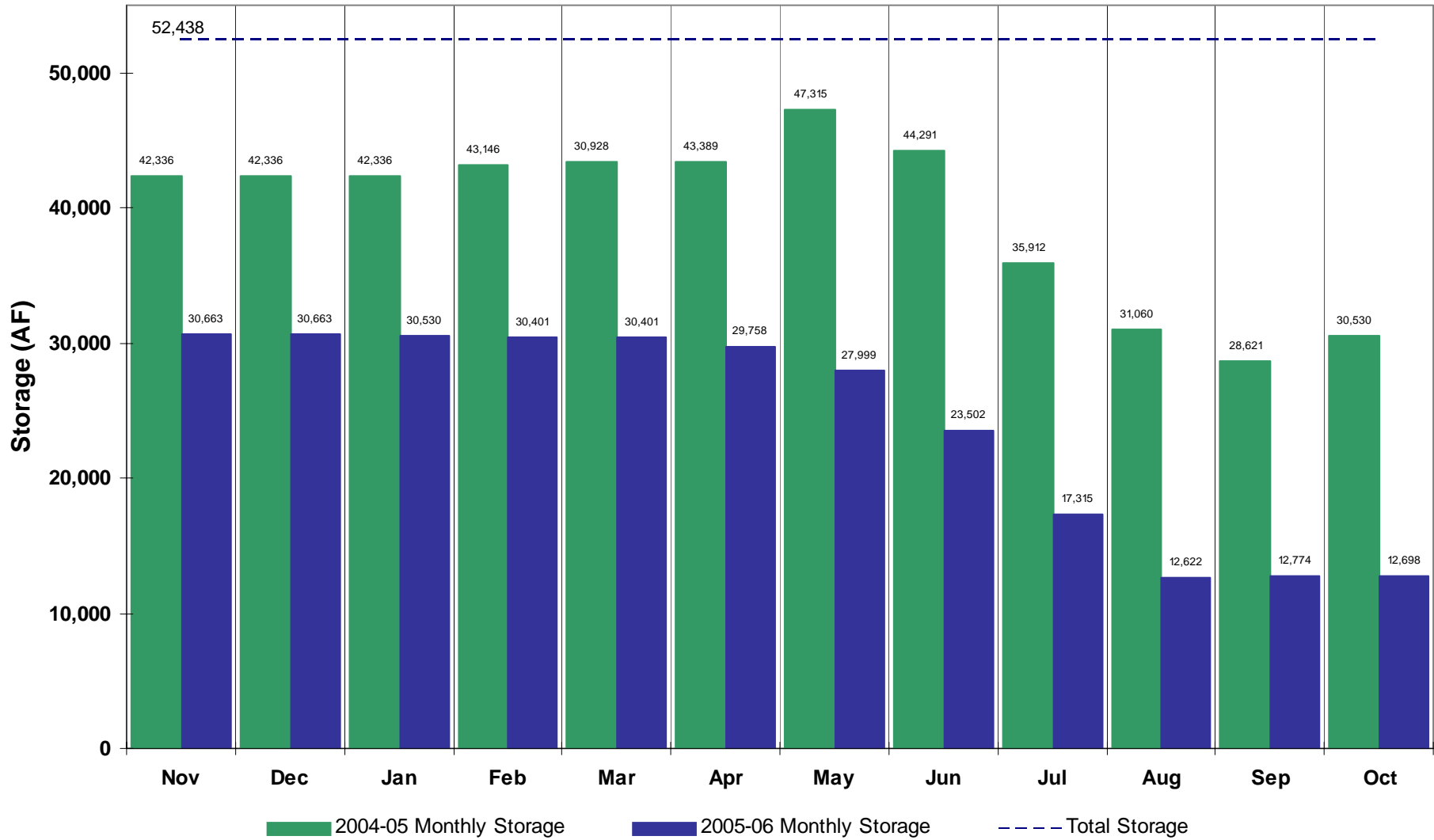


# Lower Latham Reservoir (Agricultural)



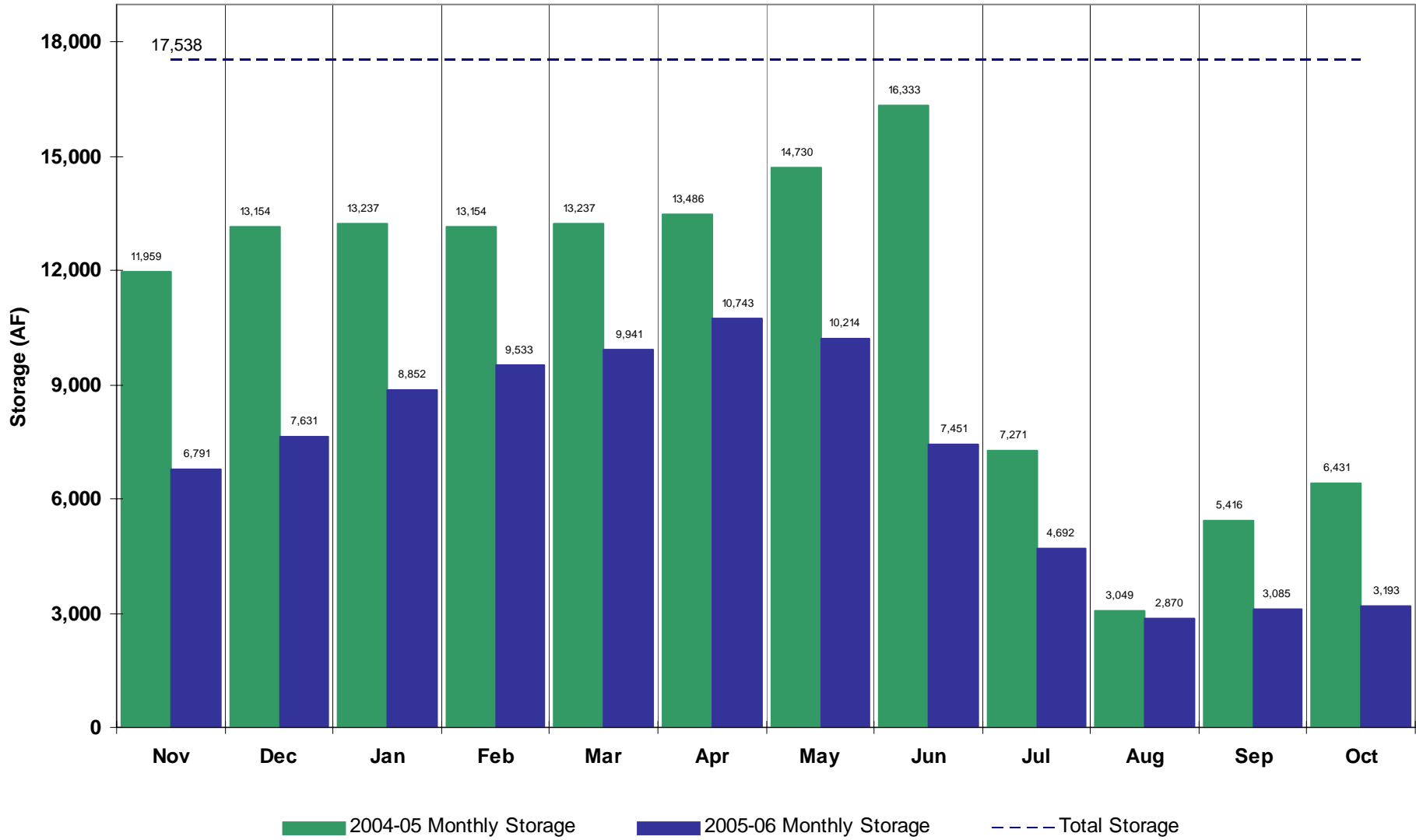


# Boyd Lake (Agricultural)



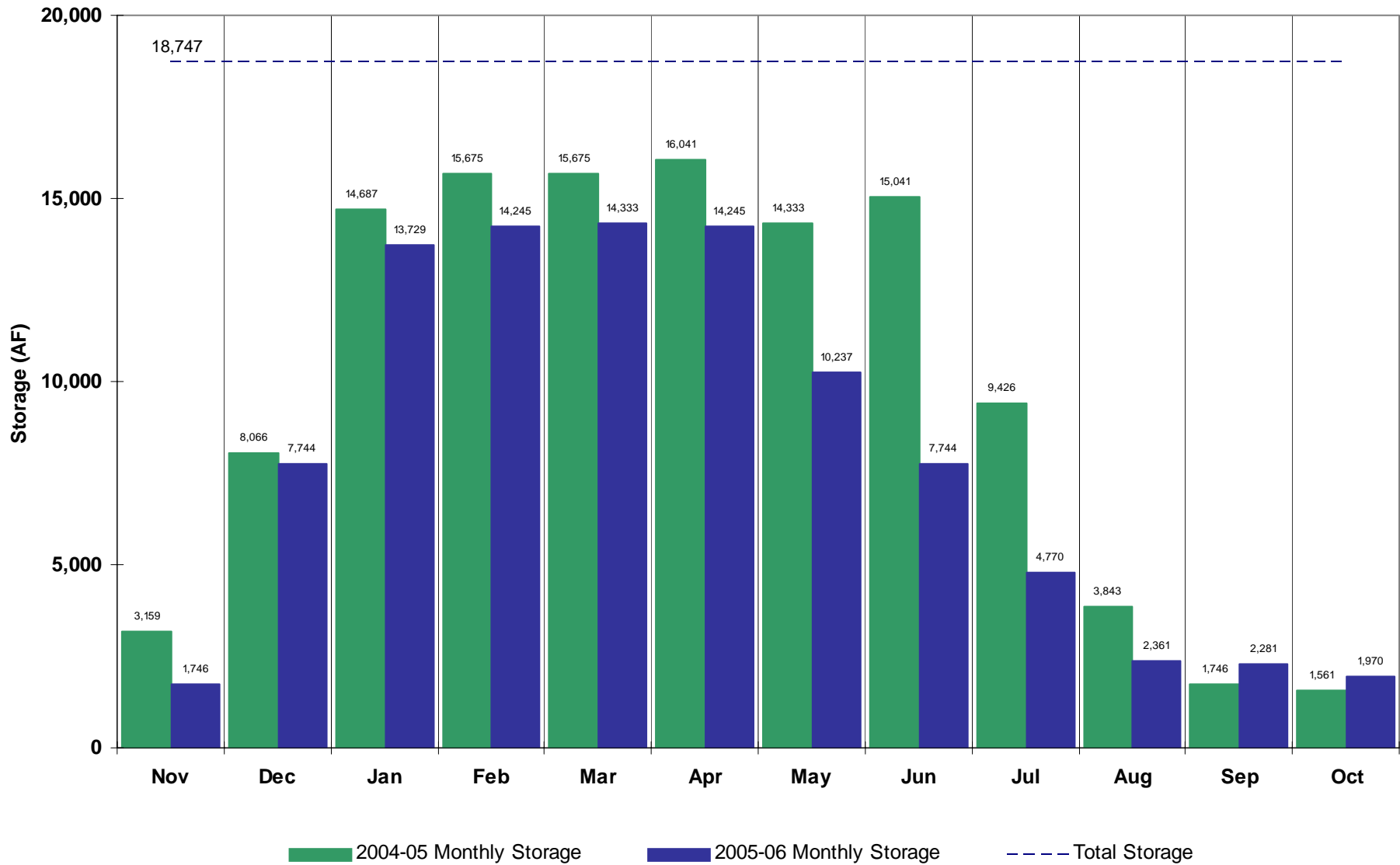
# Windsor Reservoir

(Agricultural)

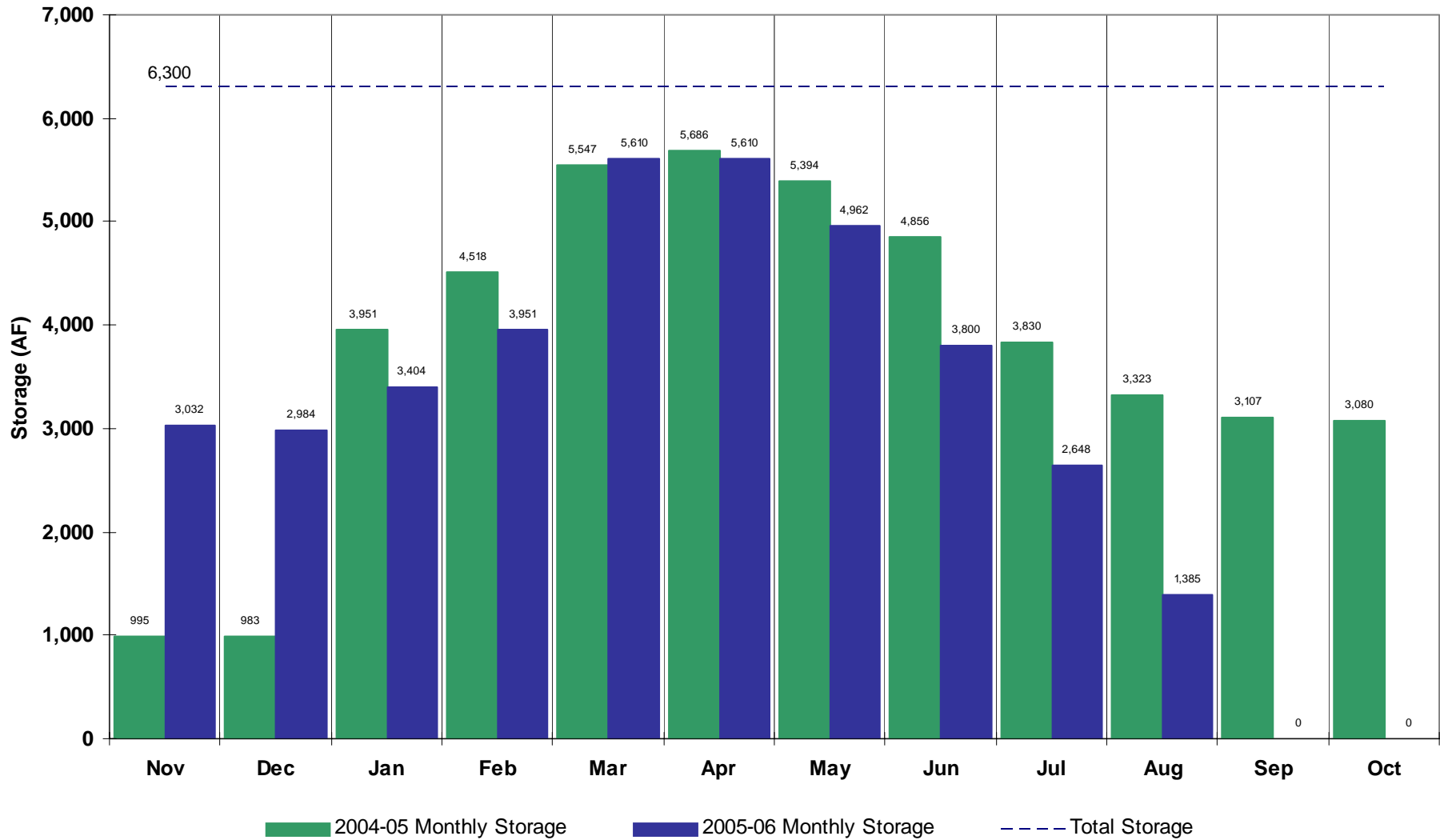


# Horse Creek Reservoir

(Agricultural)

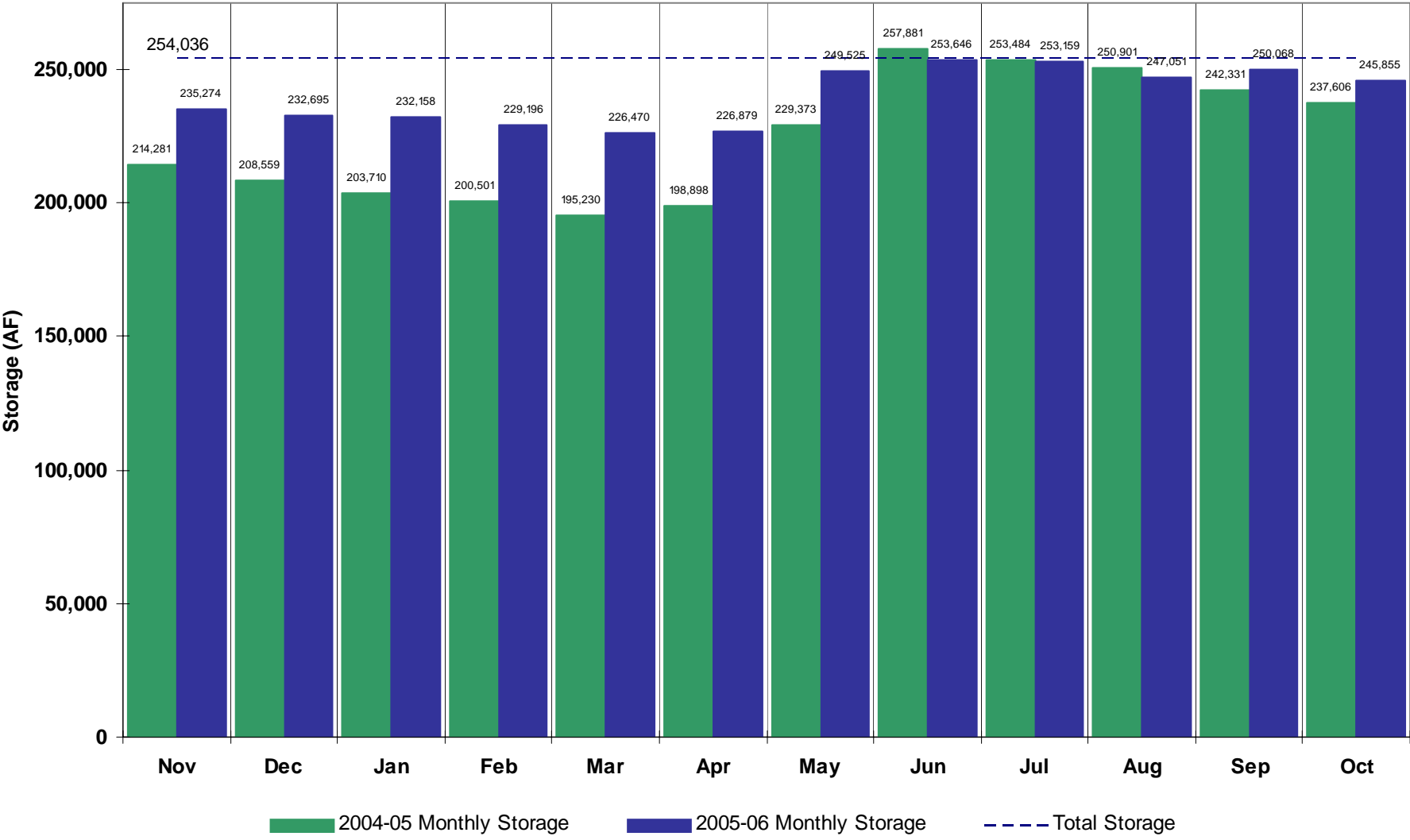


# Prospect Reservoir (Agricultural)



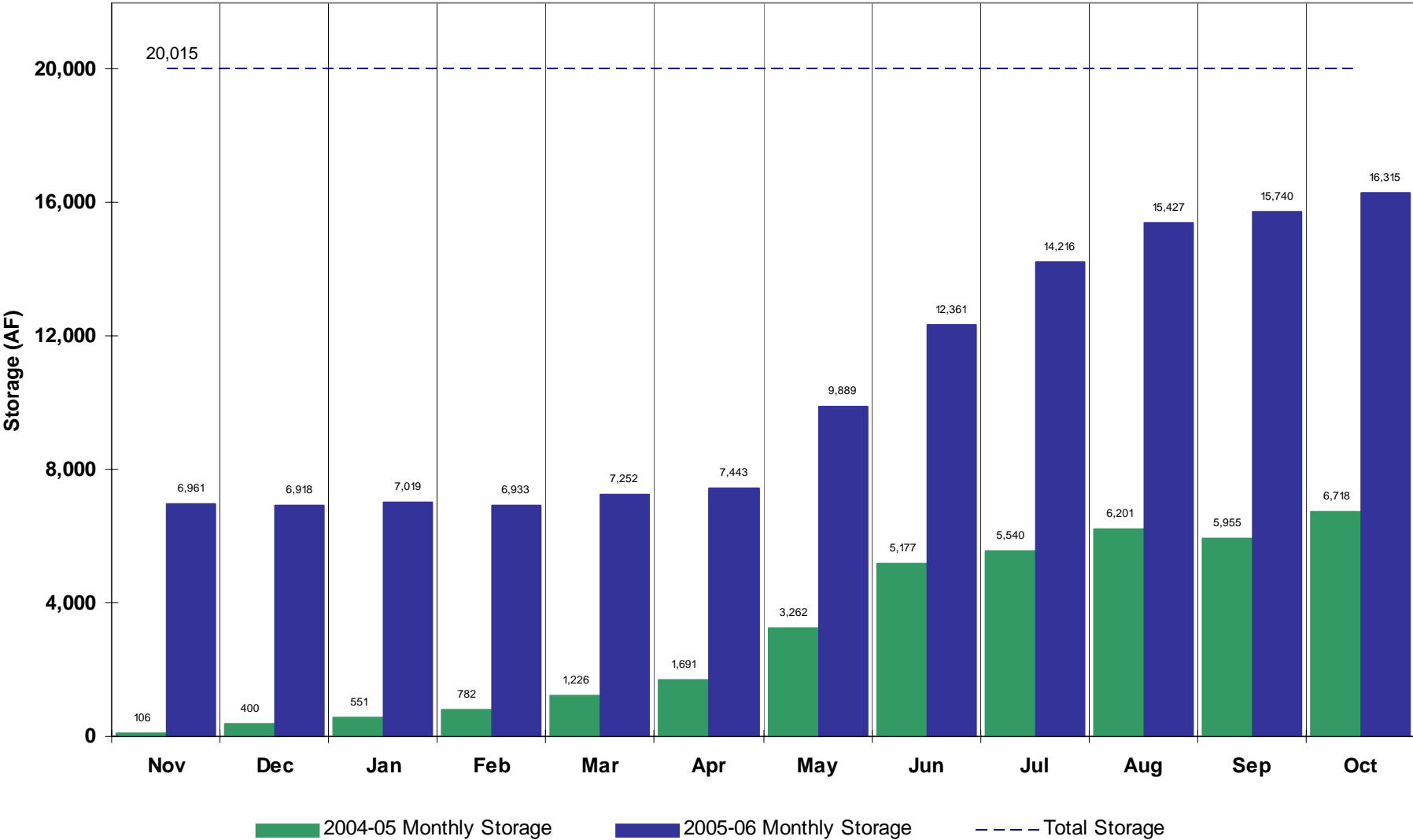


# Dillon Reservoir (Municipal)



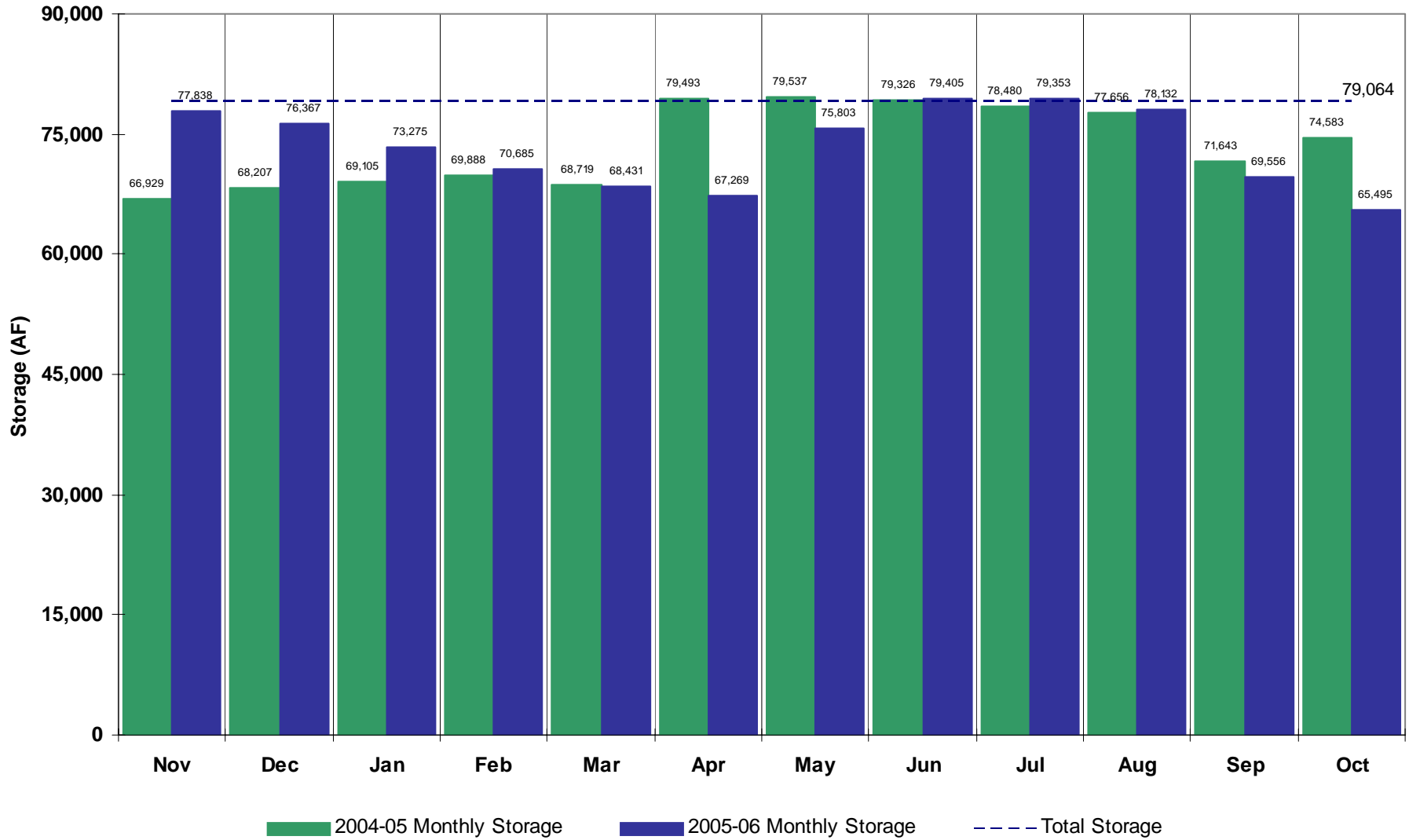
# Antero Reservoir

(Municipal)

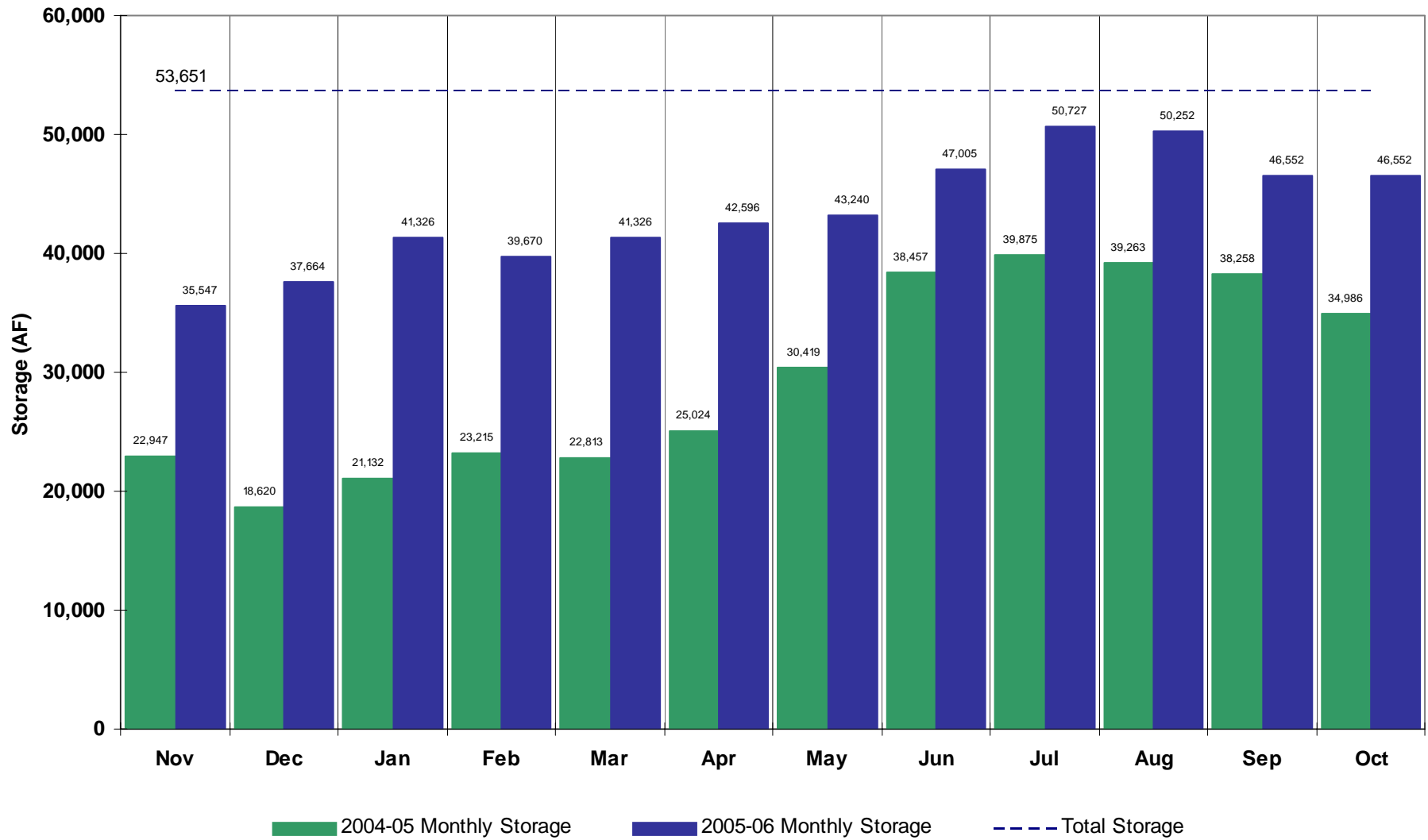


# Cheesman Reservoir

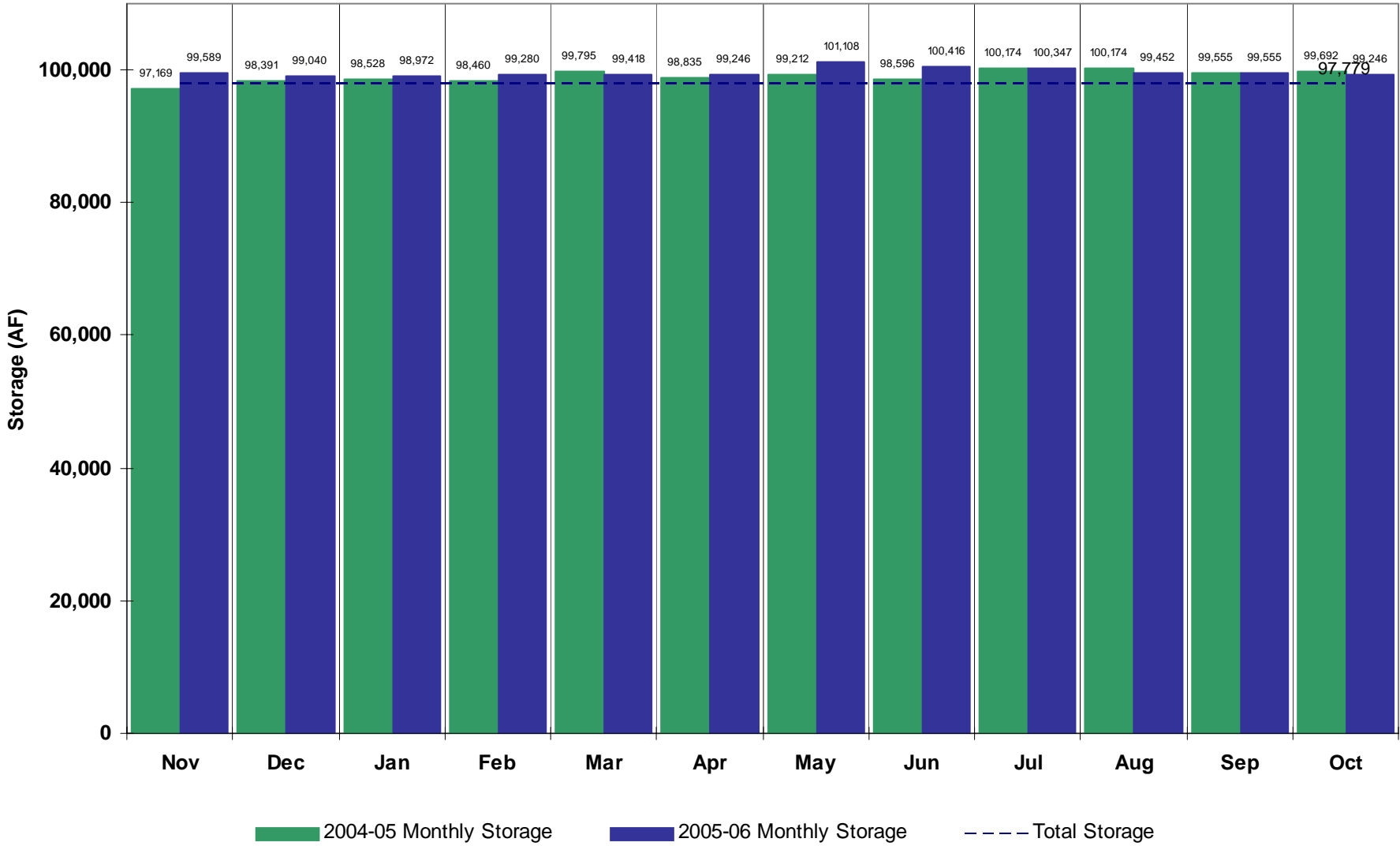
## (Municipal)



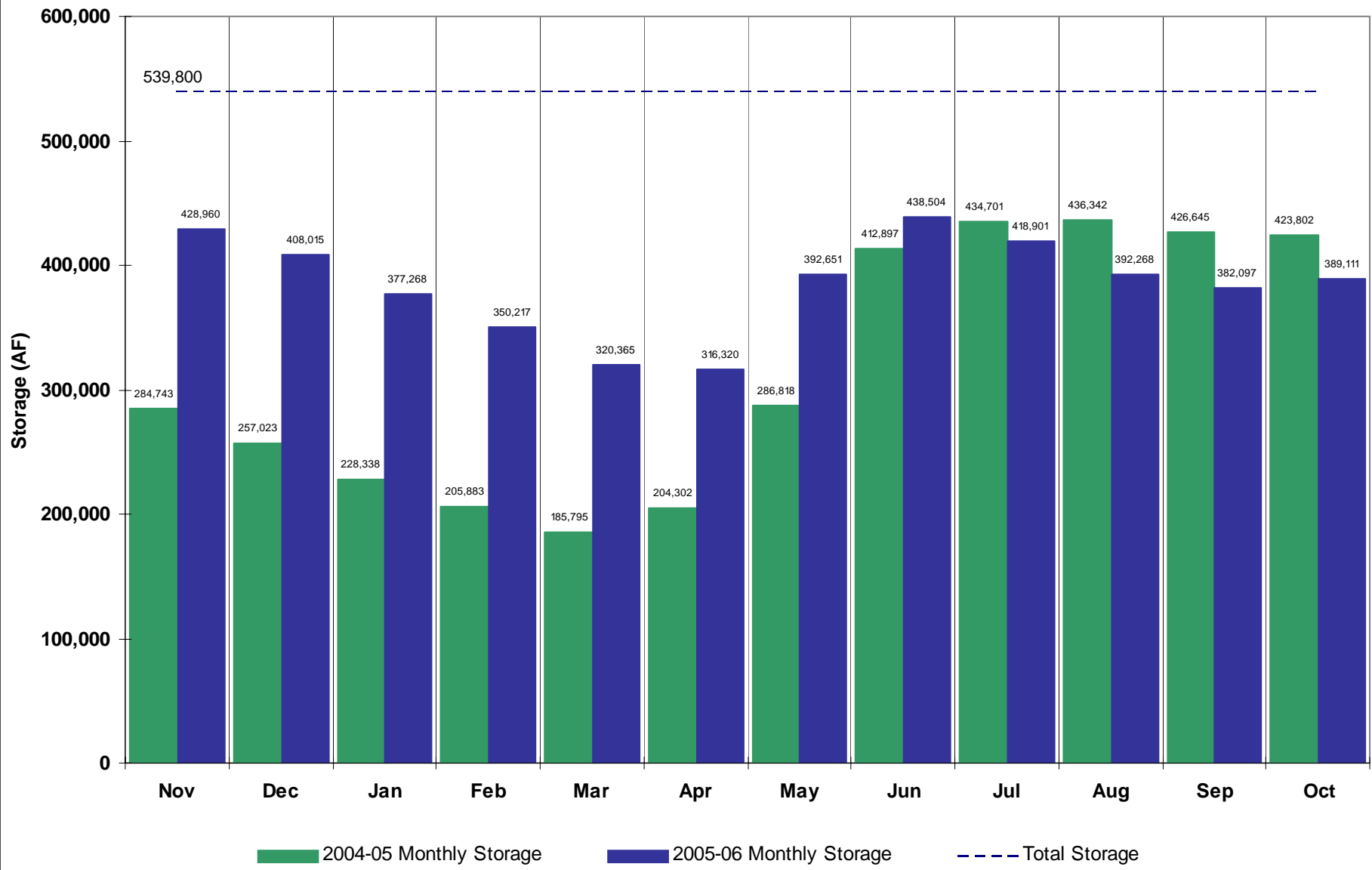
# Spinney Mountain Reservoir (Municipal)



# Eleven Mile Reservoir (Municipal)



# Lake Granby





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



Garver Brown at the Homestake  
Project – Otero Pump Station  
(photo by Claudia Engelmann)