

An aerial photograph of a river in winter, showing numerous large, irregular ice floes floating in the water. The ice is a mix of white and grey, with some areas appearing more translucent. The water between the floes is a dark, deep blue. The overall scene is a vast expanse of broken ice.

South Platte Summary

December 2003

By John Lochhead for The
Colorado Division of Water
Resources

COLORADO DIVISION OF WATER RESOURCES, DIVISION 1

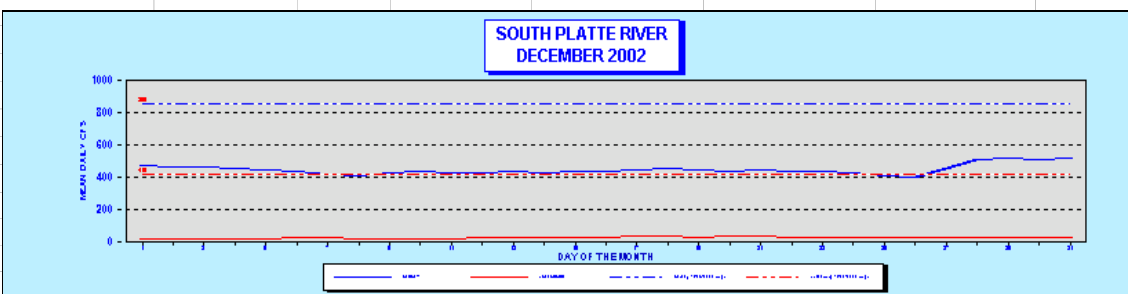
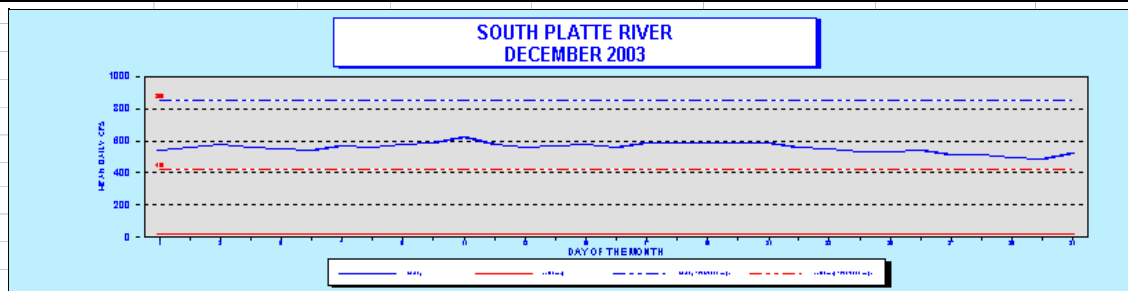
MONTH OF DECEMBER 2003

07-Jan

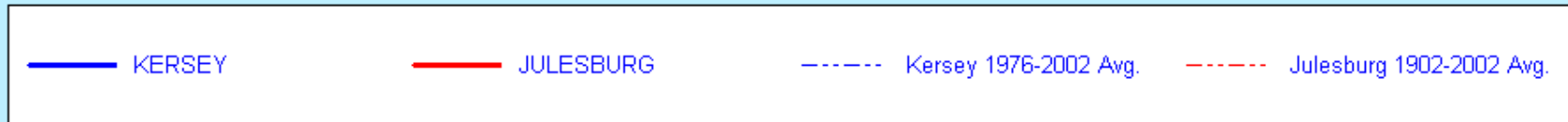
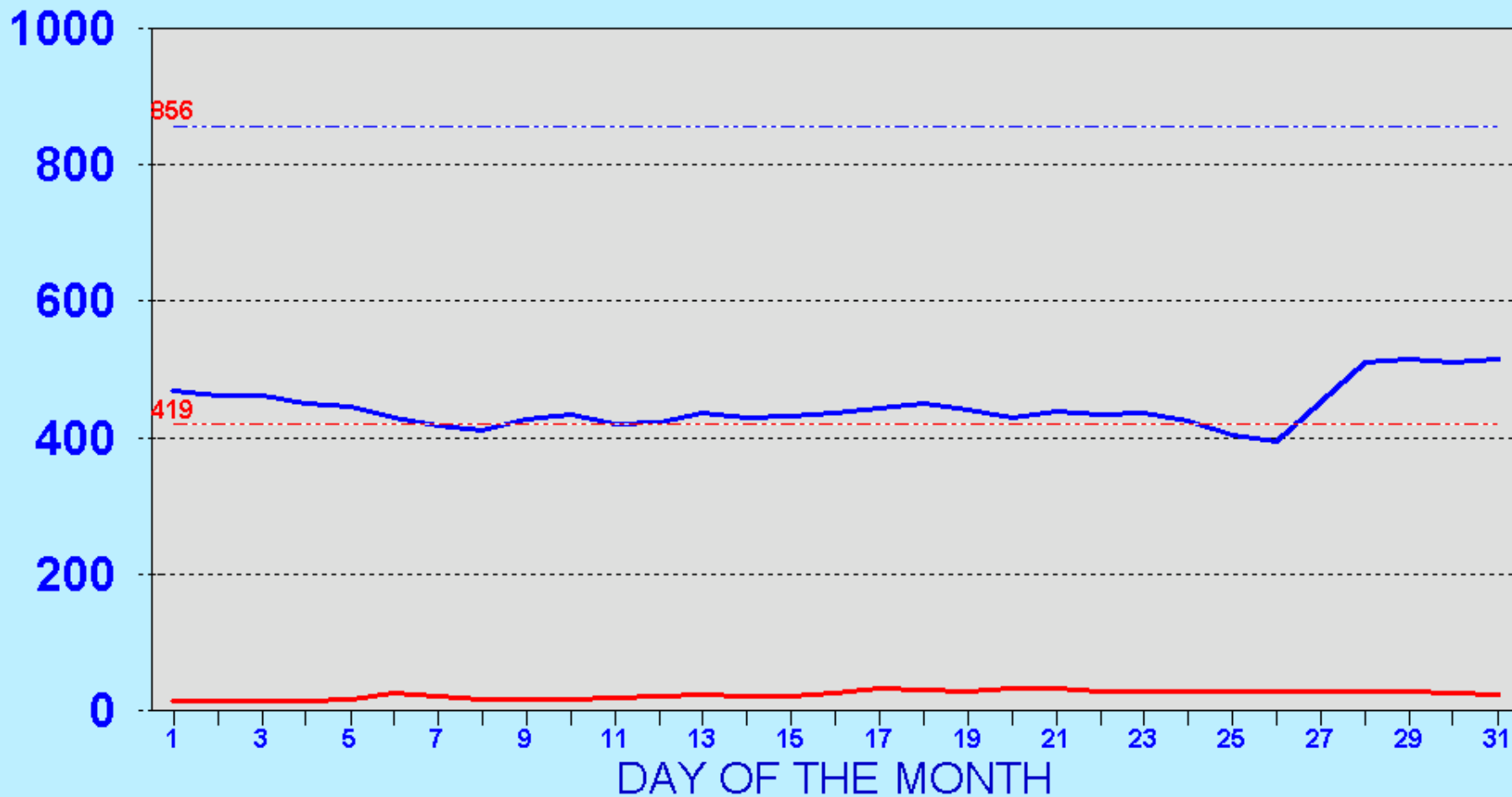
RESERVOIR	FULL ALLOWABLE CAPACITY (ACRE FEET)	FIRST OF MONTH (ACRE FEET)	END OF MONTH (ACRE FEET)	DISTRICT	CHANGE IN STORAGE (ACRE FEET)	% CHANGE IN STORAGE BASED ON FIRST OF MONTH STORAGE	% OF CURRENT FULL ALLOWABLE CAPACITY	% OF CURRENT FULL ALLOWABLE CAPACITY THIS MONTH, (LAST YEAR)	SURCHARGE (ACRE FEET)
JULESBURG	22,666	11,020	18,270	64	7,250	66%	81%	82%	0
NORTH STERLING	73,730	18,790	28,570	64	9,780	52%	39%	24%	0
PREWITT	28,500	7,340	7,460	64	120	2%	26%	13%	0
JACKSON	27,257	13,890	24,900	1	11,010	79%	91%	94%	0
EMPIRE	37,700	3,500	11,423	1	7,923	226%	30%	28%	0
RIVERSIDE	63,113	29,538	31,861	1	2,323	8%	50%	25%	0
BARR LAKE	31,652	17,621	21,104	2	3,483	20%	67%	37%	0
CHEESMAN	79,064	59,334	60,018	80	684	1%	76%	64%	0
ELEVEN MILE	97,779	69,777	70,609	23	832	1%	72%	45%	0
SPINNEY	53,651	33,885	31,597	23	(2,288)	-7%	59%	40%	0
ANTERO	20,015	0	8	23	8	ERR	0%	0%	0

RIVER GAGES	MEAN DAILY FLOW (CFS)
KERSEY	557
JULESBURG	19
THIS MONTH LAST YEAR	
KERSEY	445
JULESBURG	23
MEAN FOR PERIOD OF RECORD*	
KERSEY	856
JULESBURG	419

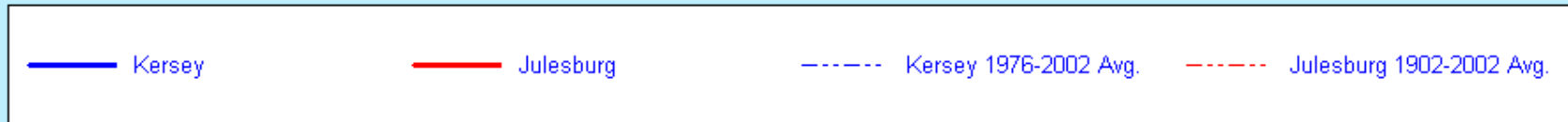
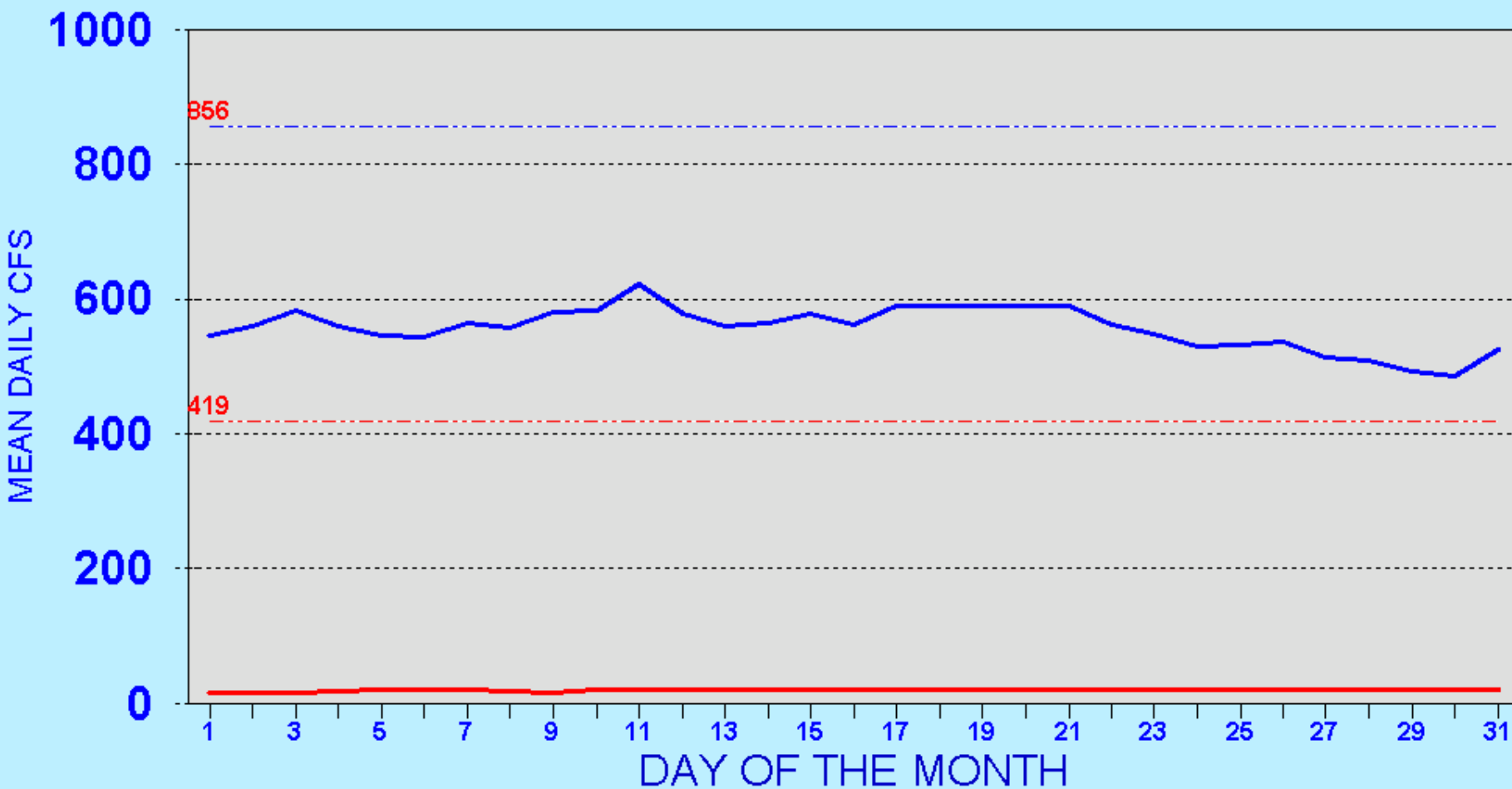
* 1976-2002
1902-2002



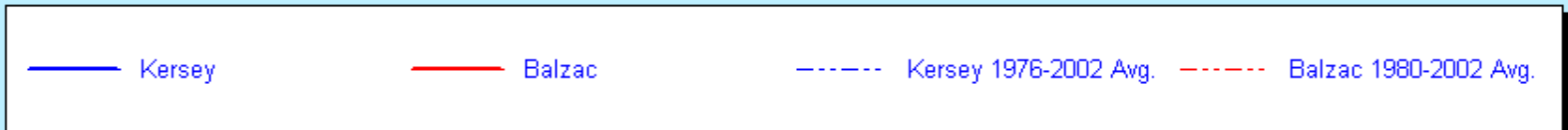
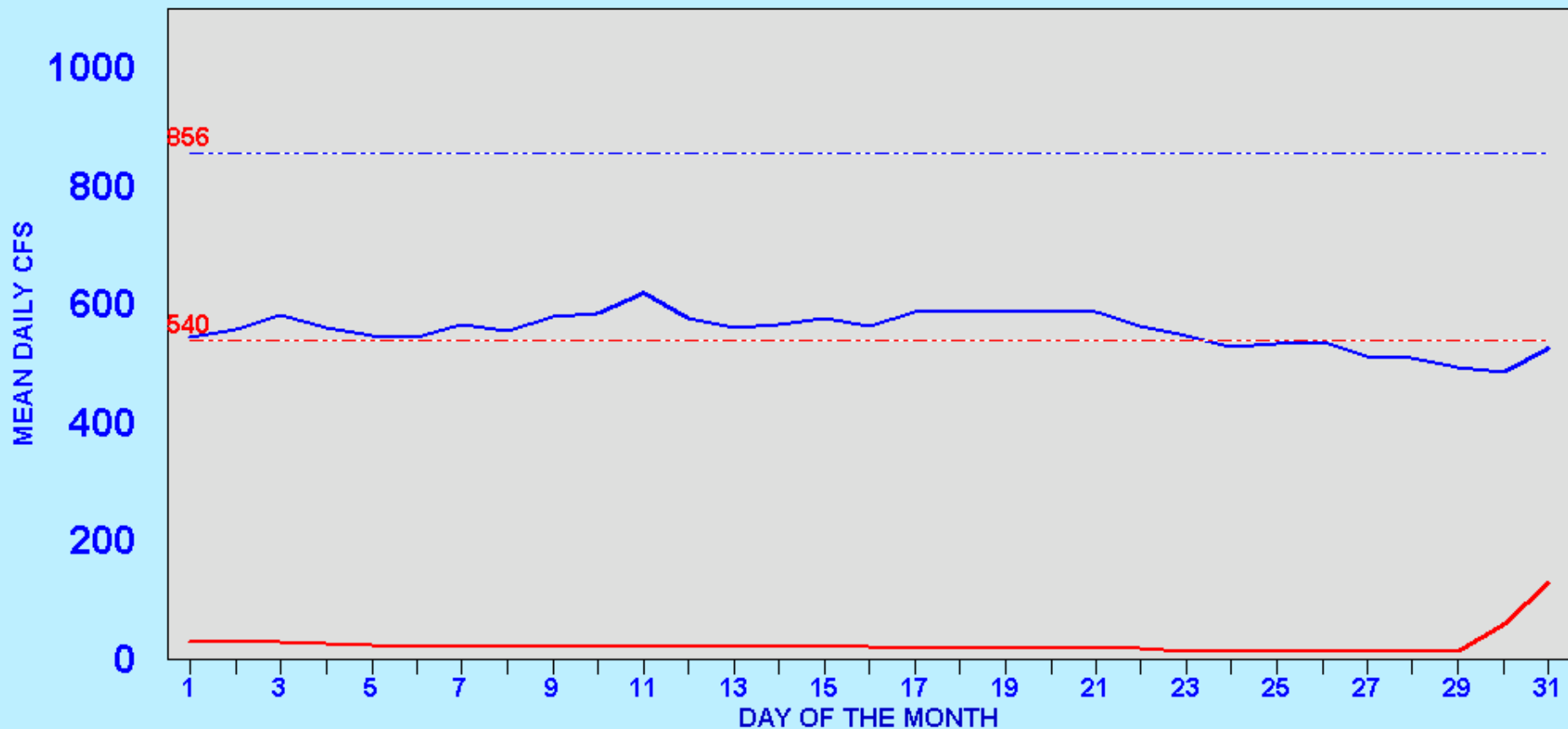
SOUTH PLATTE RIVER DECEMBER 2002



SOUTH PLATTE RIVER DECEMBER 2003



Kersey, Balzac December 2003



South Platte River Monthly Means, Historic, Max, Min.

South Platte River at Kersey

South Platte River at Julesburg

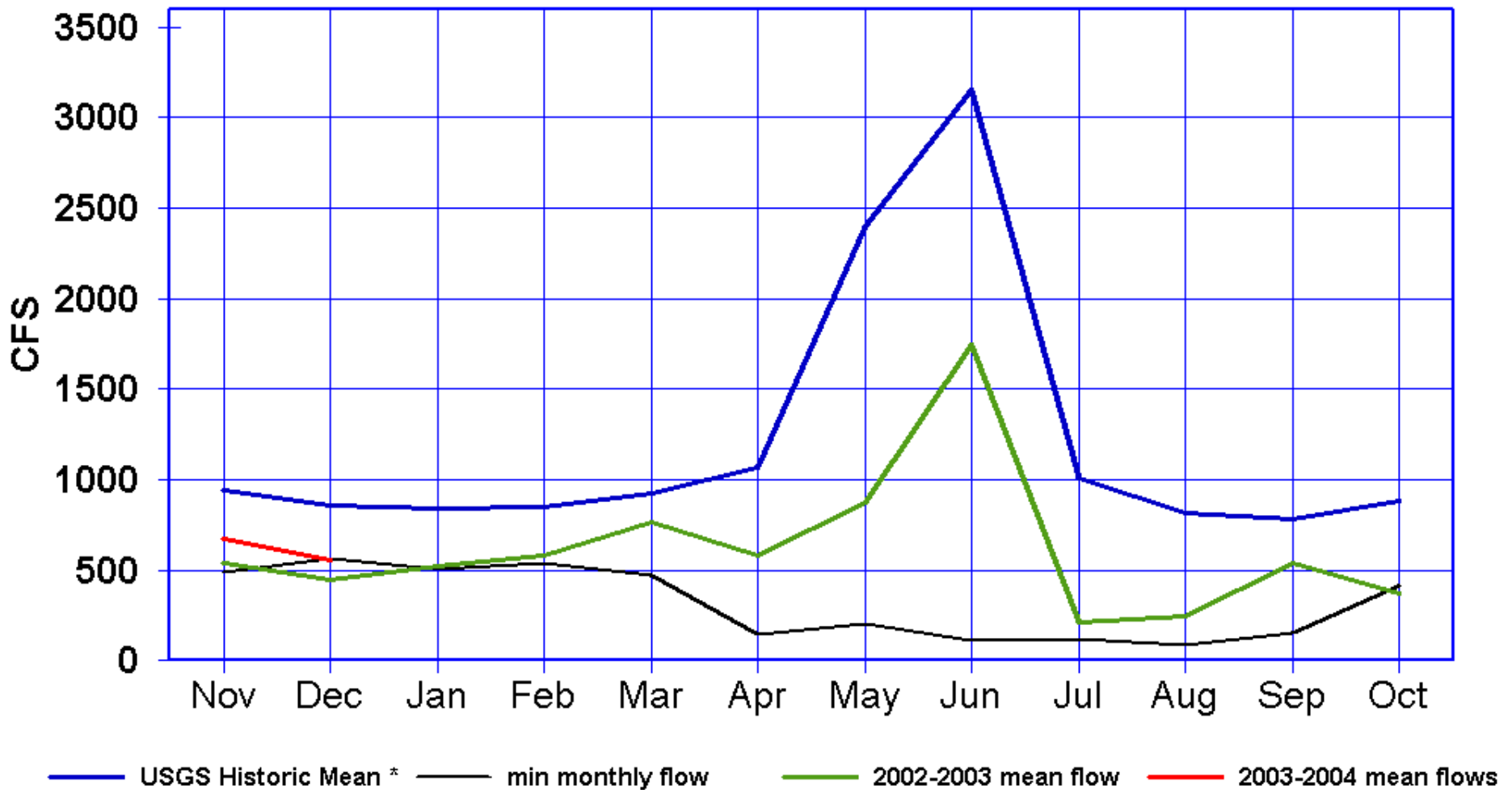
	USGS Historic Mean *	Historic Max flow *	Year	Historic Min flow *	Year	IY 2004 mean monthly flow	Estimated Mean		USGS Historic Mean *	Historic Max flow *	Year	Historic Min flow *	Year	IY 2004 mean monthly flow	Estimated Mean
Nov	944	2585	1985	488	1978	671		Nov	356	2358	1985	23	1911	19	
Dec	856	1337	1985	568	1982	557		Dec	419	1371	1985	18.8	1912	33	*
Jan	836	1434	1984	503	1982			Jan	535	1571	1998	89.9	1965		
Feb	849	1641	1984	540	1978			Feb	616	1864	1930	78.9	1935		
Mar	920	1852	1983	473	1982			Mar	555	2200	1939	56.9	1904		
Apr	1062	3894	1983	144	1982			Apr	550	2808	1983	17.3	1904		
May	2401	13060	1980	199	2002			May	1064	9922	1980	24.1	1911		
Jun	3152	14520	1983	113	1977			Jun	1489	12200	1983	8.33	1910		
Jul	1005	5784	1983	115	2002			Jul	306	5059	1983	2.15	1903		
Aug	816	2783	1984	85.5	2002			Aug	188	1882	1997	2.52	1902		
Sep	784	2079	1984	156	2002			Sep	249	1964	1984	5.6	1903		
Oct	882	3388	1985	415	1978			Oct	316	2427	1985	5.85	1904		

*Period of record 1976-2002

*Period of record 1902-2002

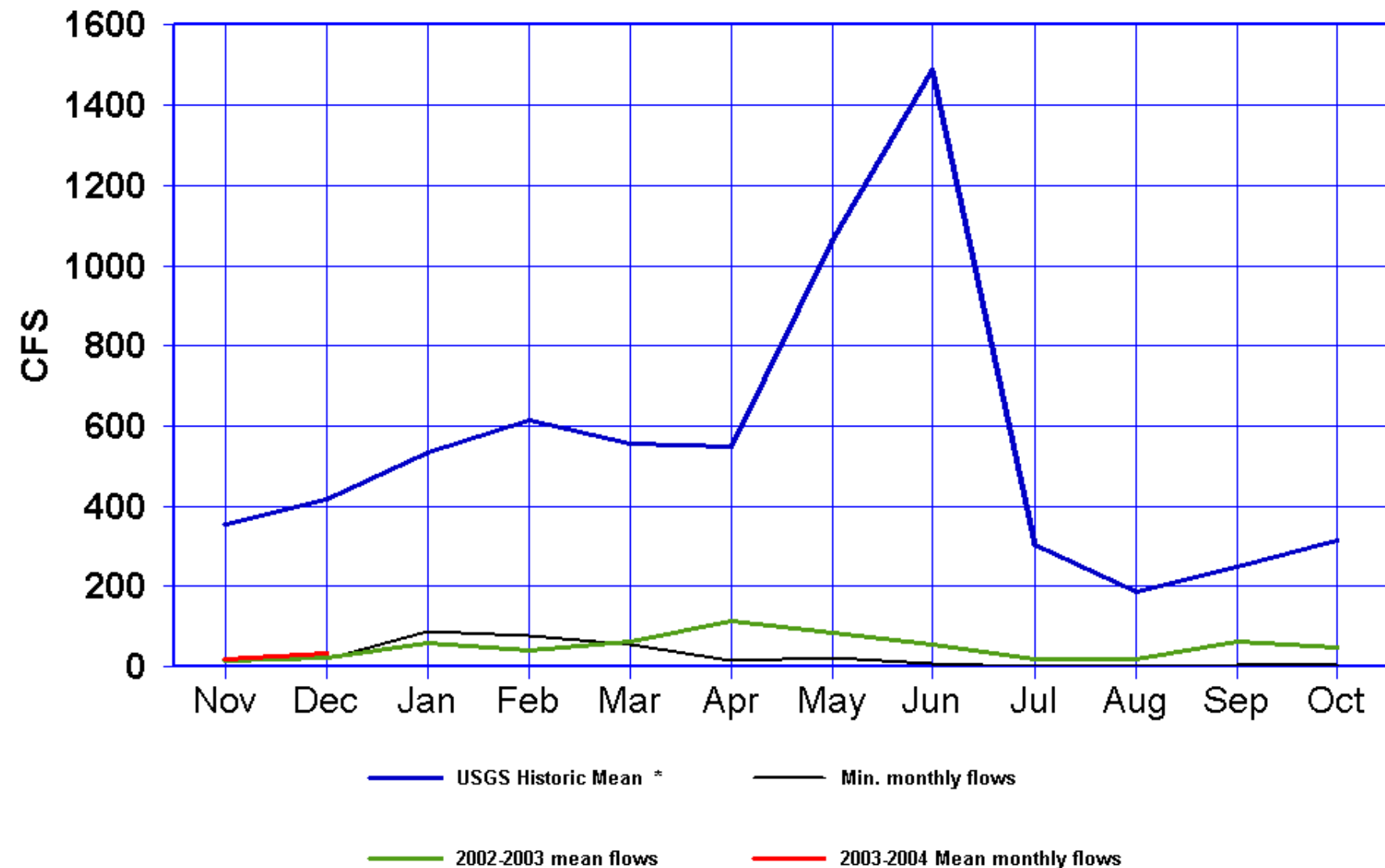
South Platte River at Kersey

Irrigation Water Year*



South Platte River at Julesburg

Irrigation Water Year*



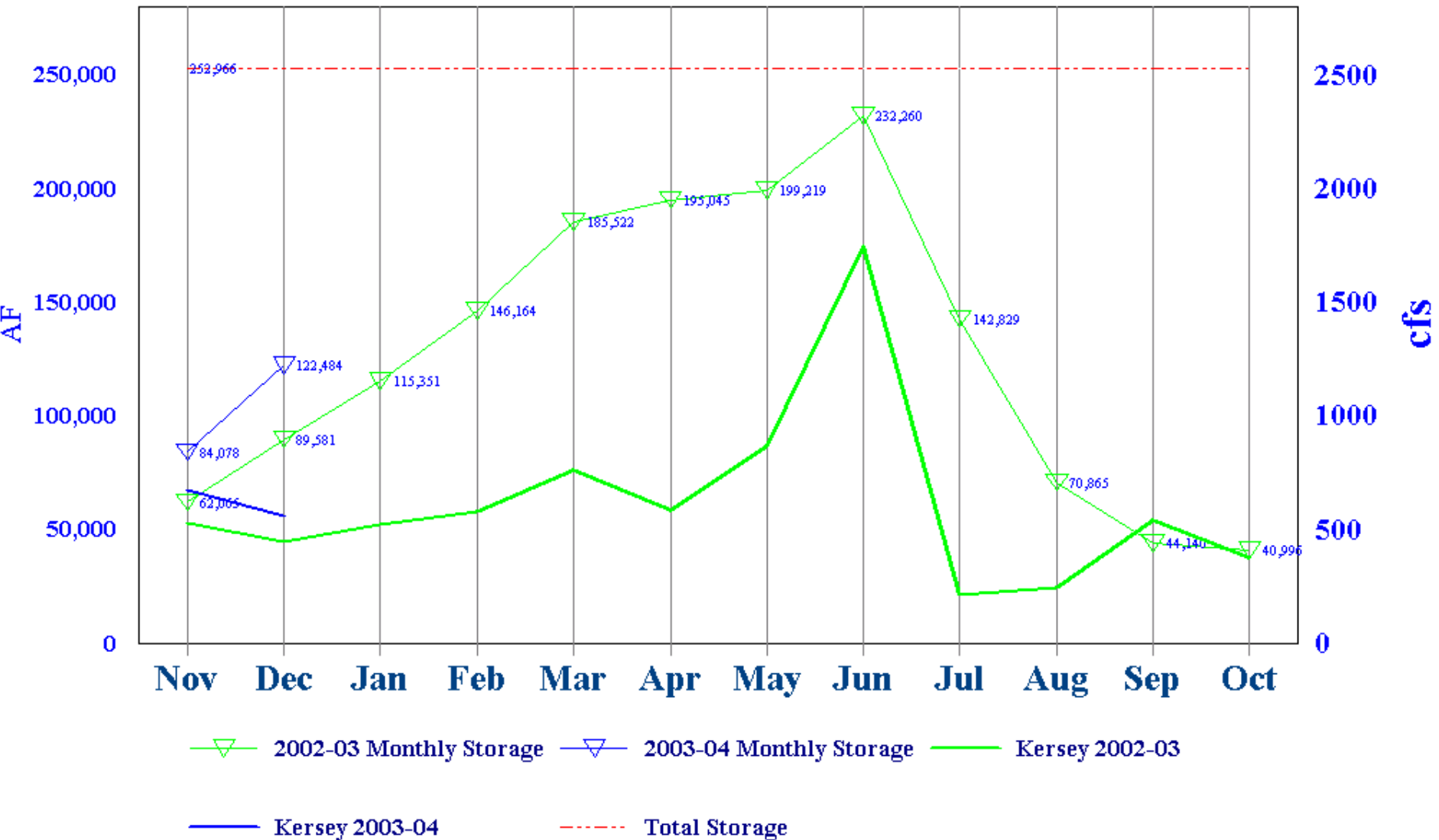
Next 4 slides show Reservoir storage below and above Kersey



Coors return gates to Clear Creek

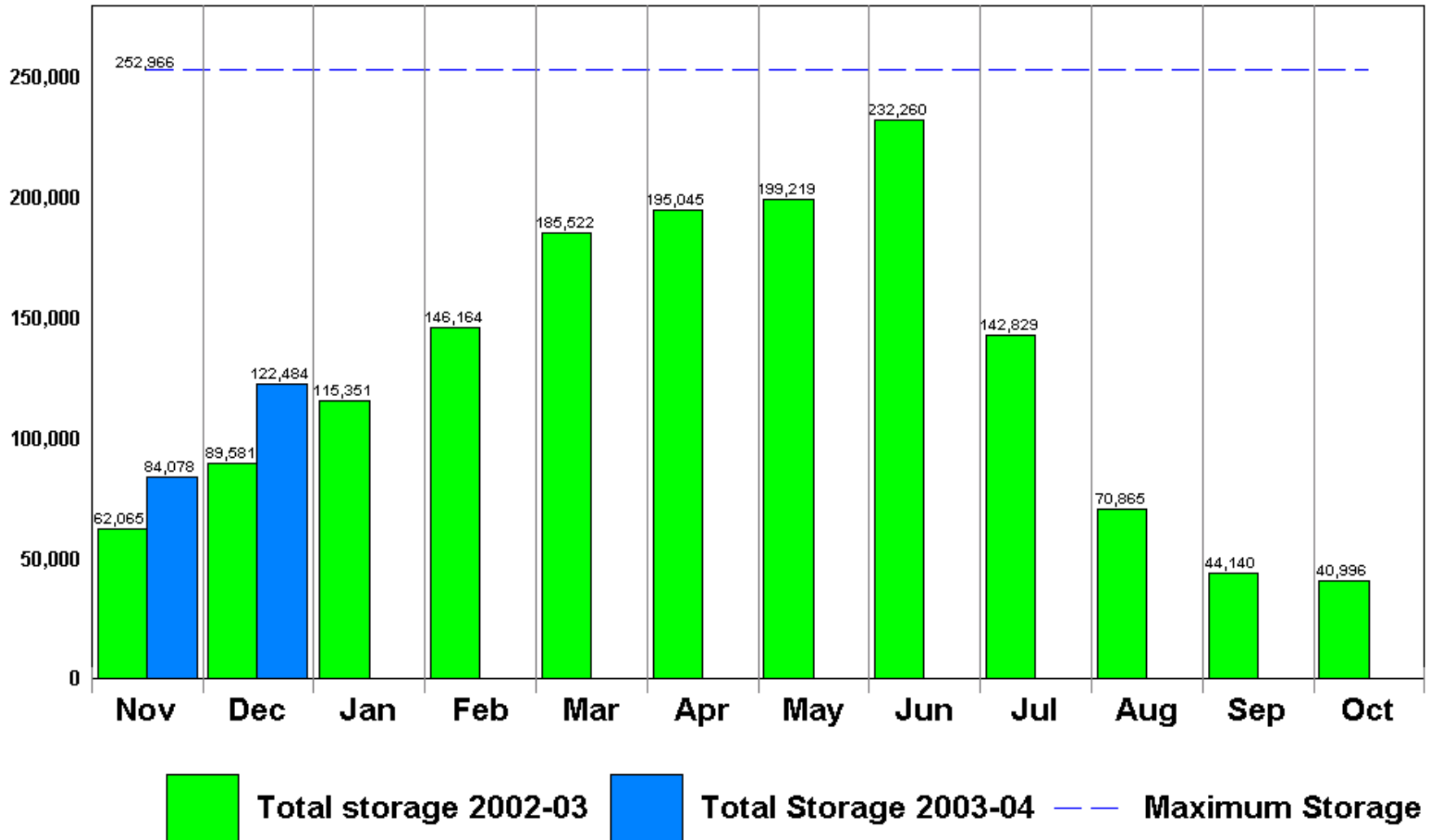
Reservoir Storage below Kersey

Selected Reservoirs*



*Empire, Riverside, Jackson, Prewitt, N. Sterling, Julesburg. by jhl

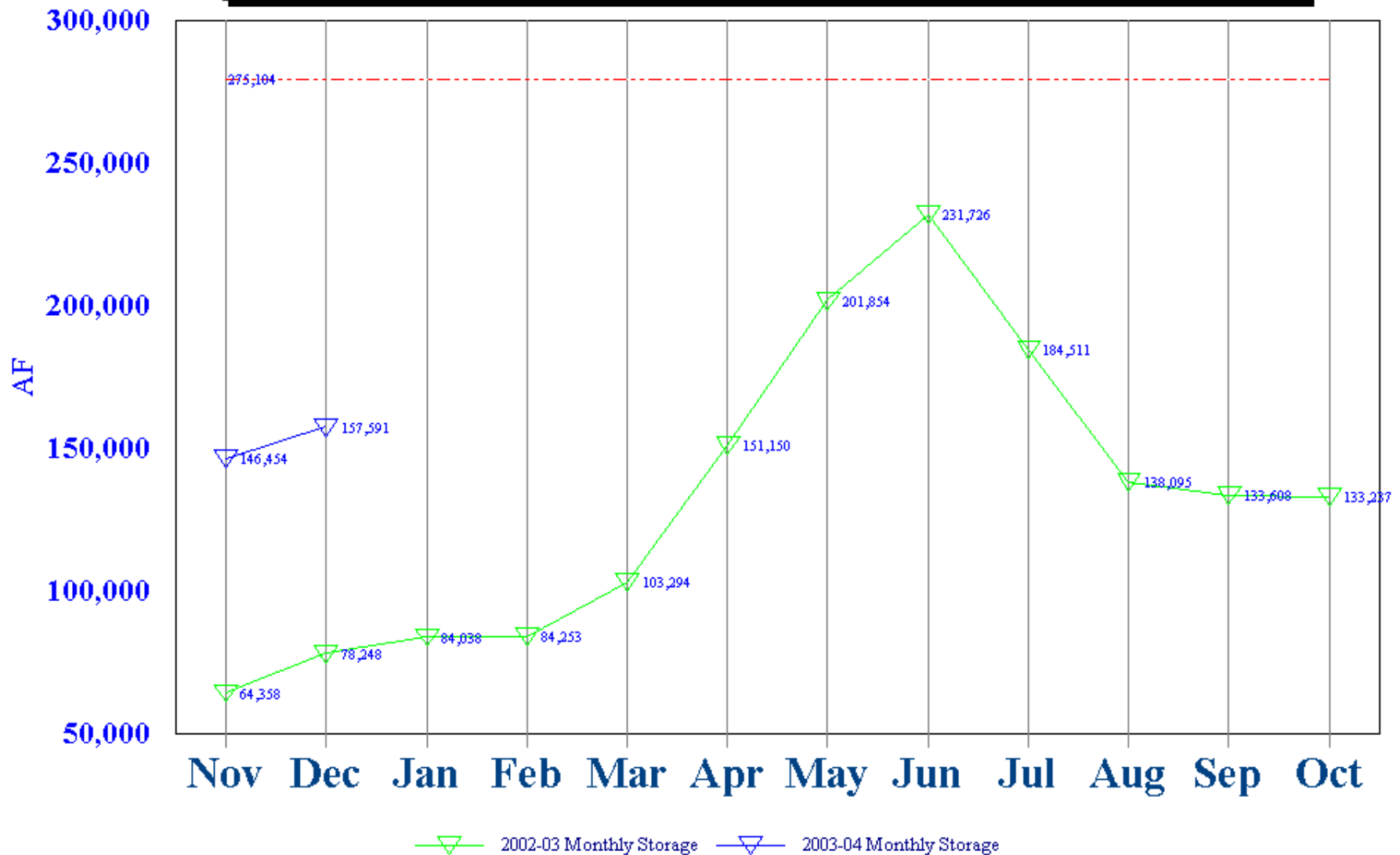
South Platte Reservoirs Storage below Kersey*



*Empire, Riverside, Jackson, Prewitt, N. Sterling, Julesburg. by jhl

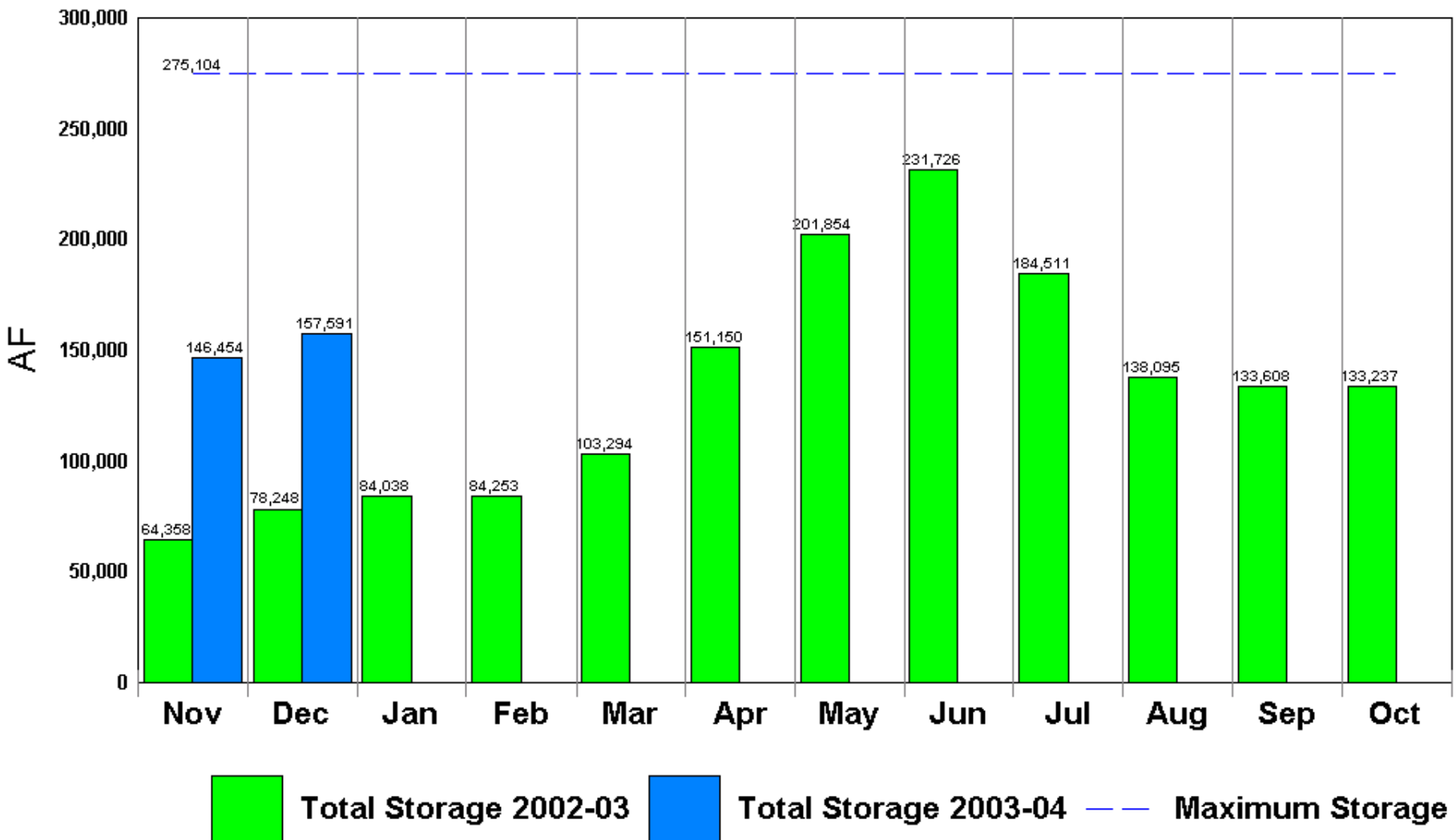
Reservoir Storage above Kersey

Selected Reservoirs*



*Barr, Cobb, FossilCrk, Halligan, Marshall, Milton, Union, Standley, LowerLatham, Boyd, Loveland, Windsor, HorseCrk, Prospect. by jhl

South Platte Reservoirs Storage above Kersey*



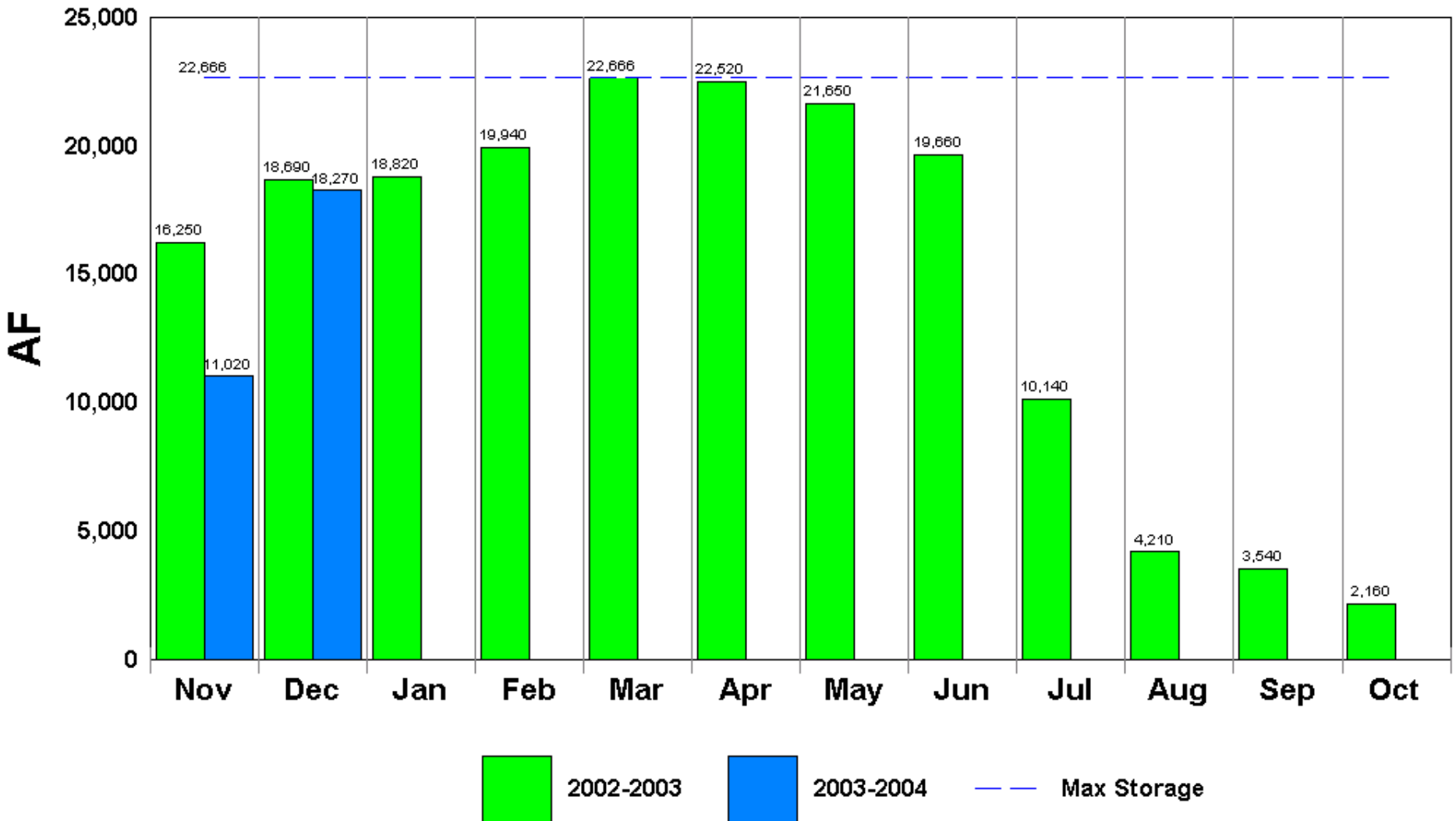
*Barr,Cobb,FossilCrk,Halligan,Marshall,Milton,Union,Standley,LowerLatham,Boyd,Loveland,Windsor,HorseCrk,Prospect. by jhl

Individual Reservoir Storage follows:



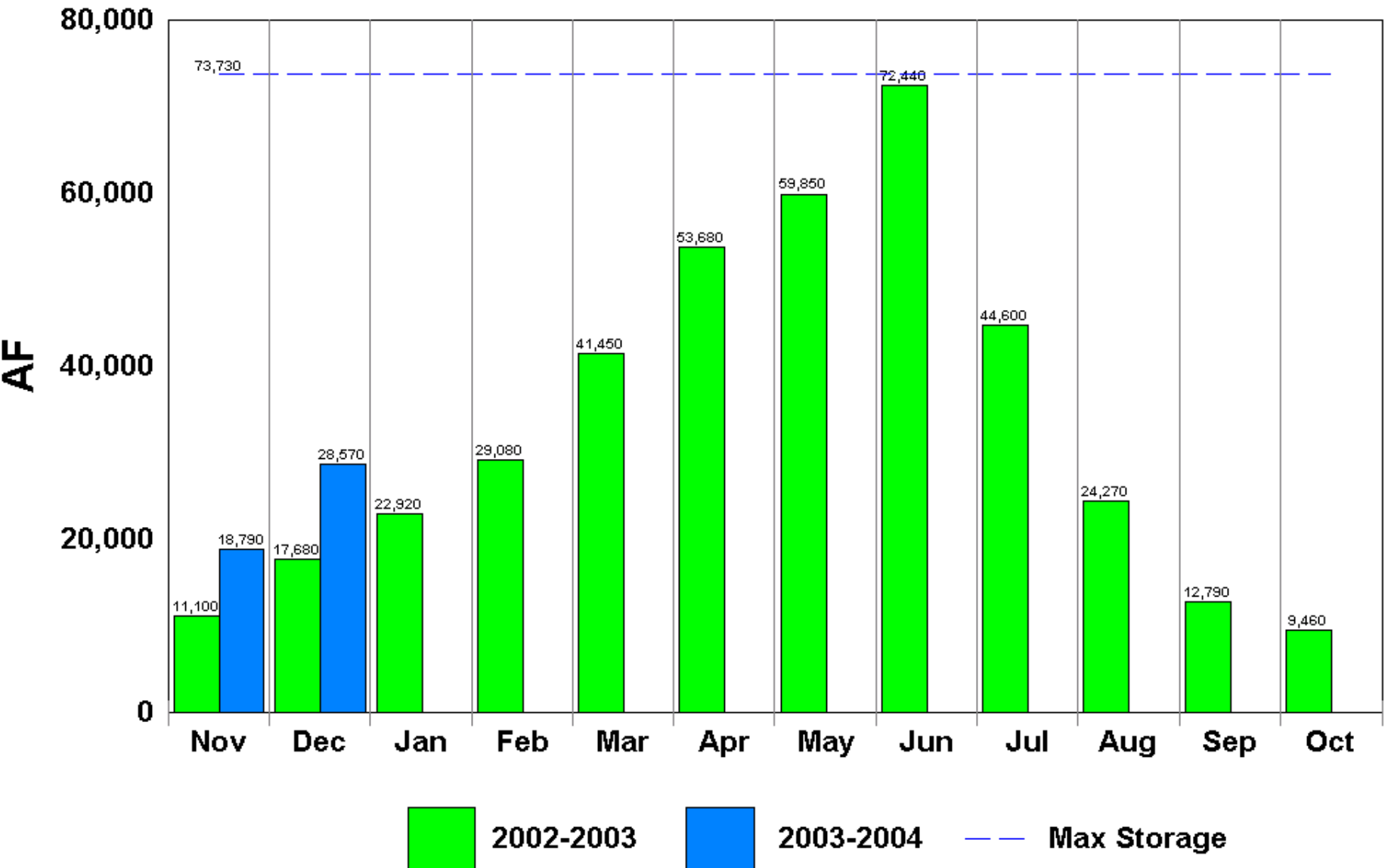
Julesburg Reservoir

(Agricultural)



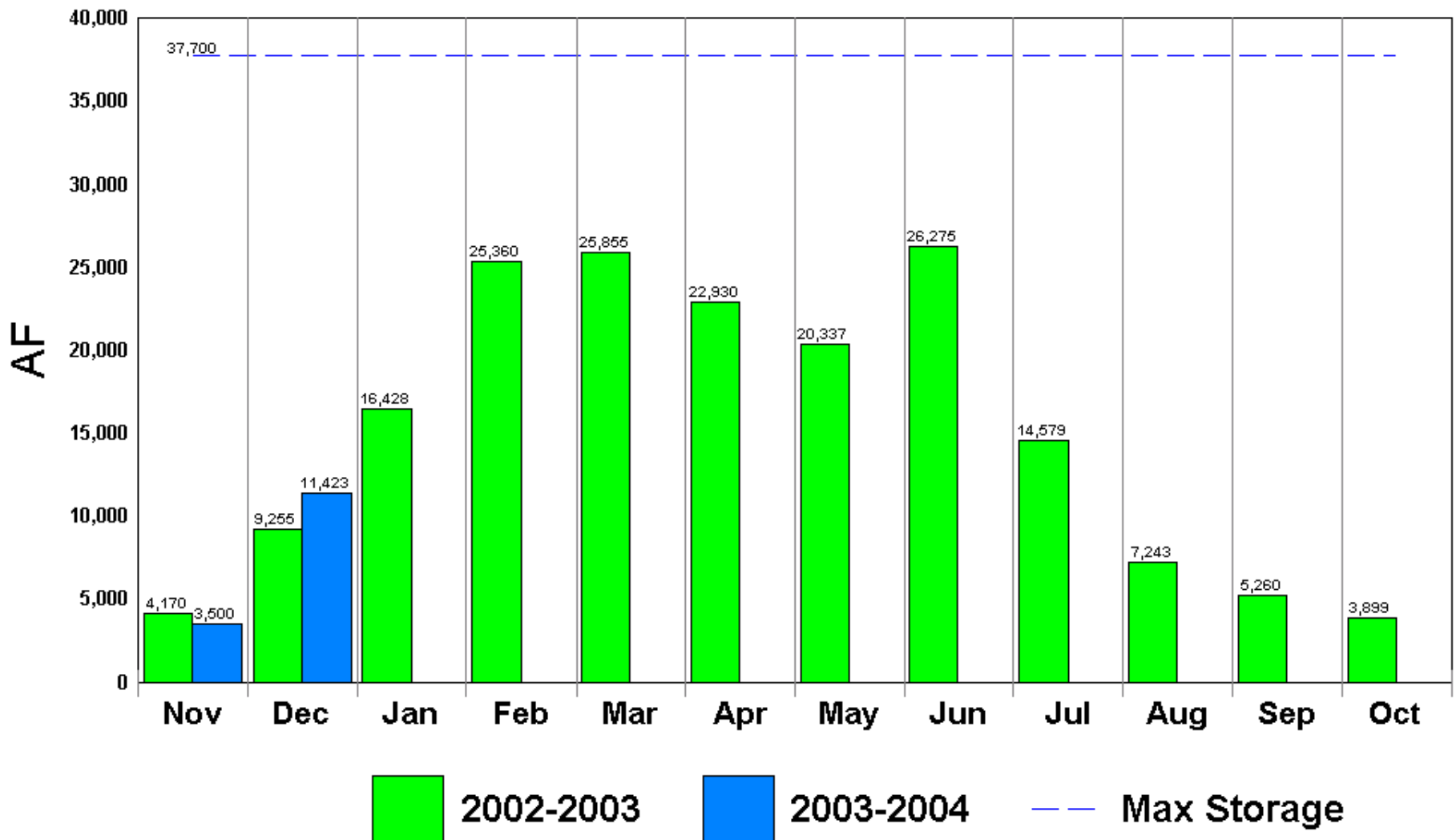
N. Sterling Reservoir

(Agricultural)



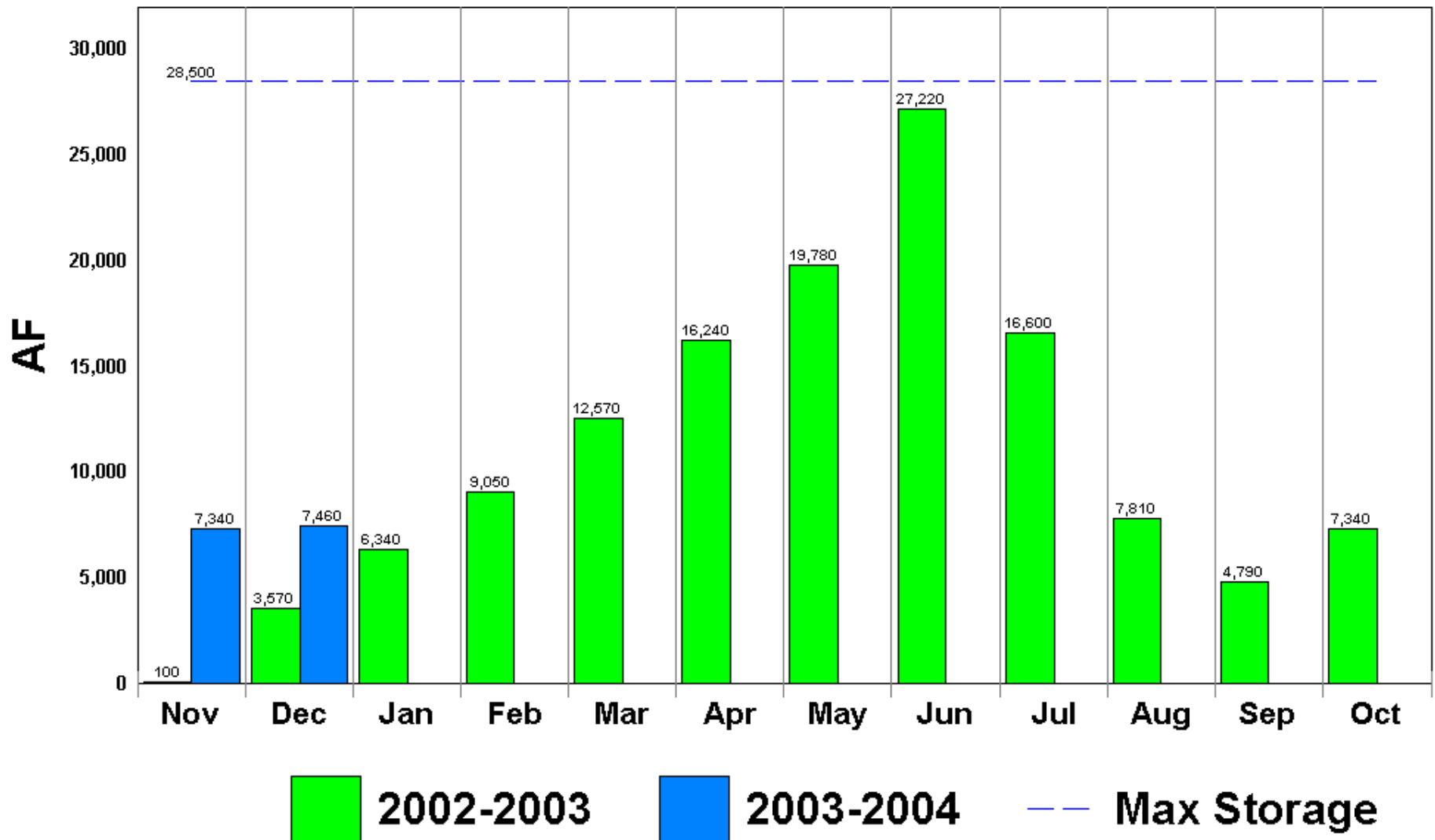
Empire Reservoir

(Agricultural)



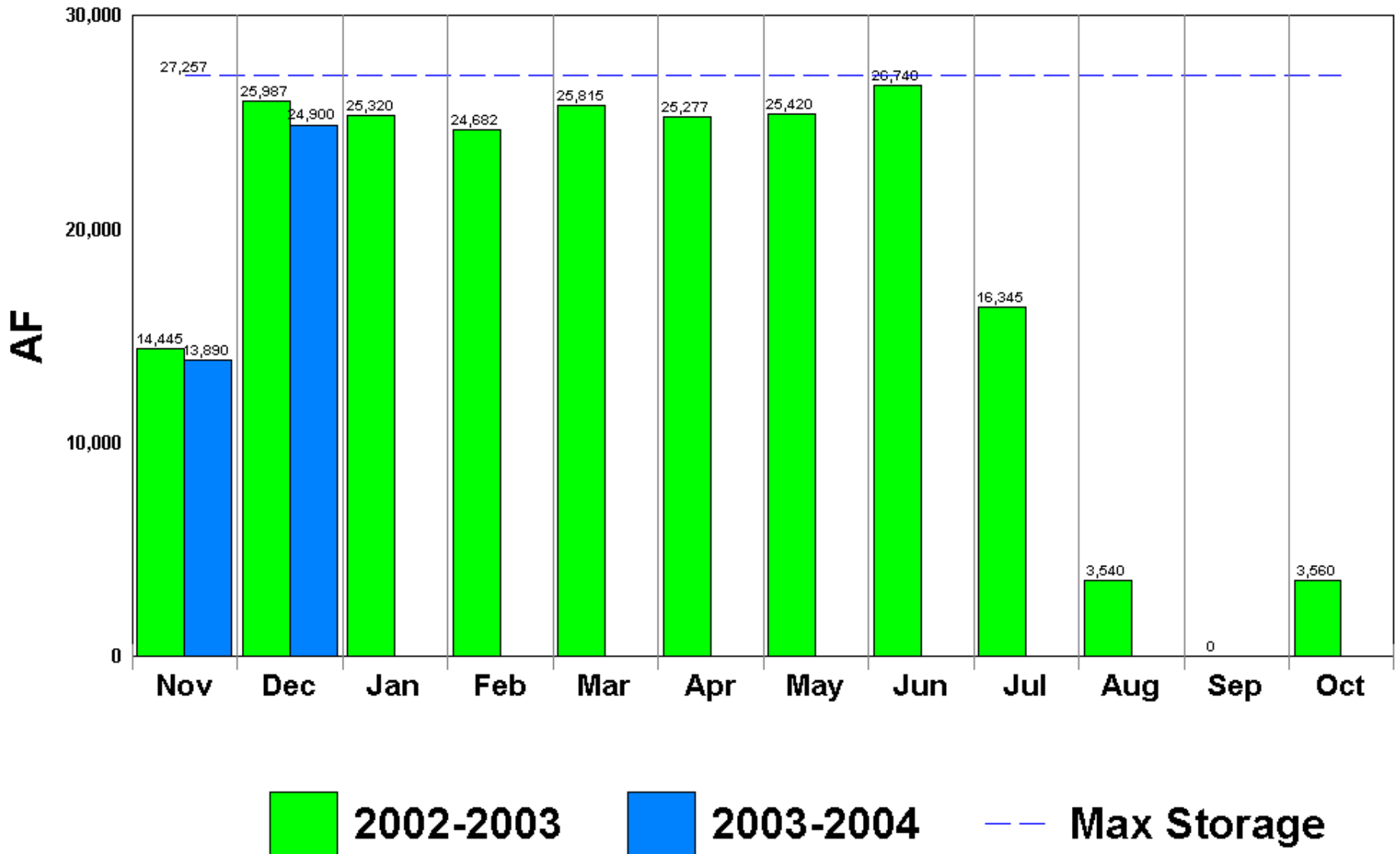
Prewitt Reservoir

(Agricultural)



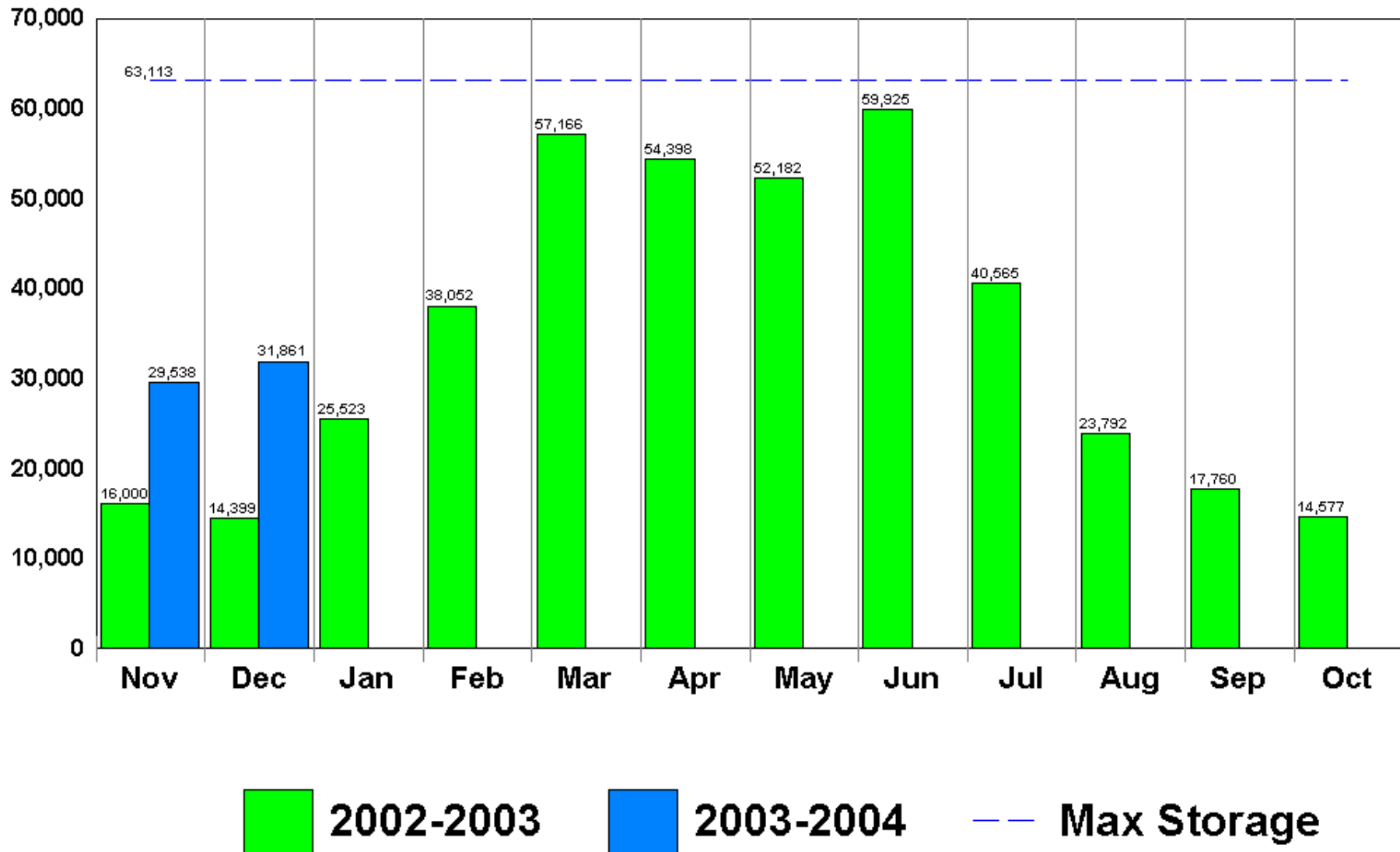
Jackson Reservoir

(Agricultural)



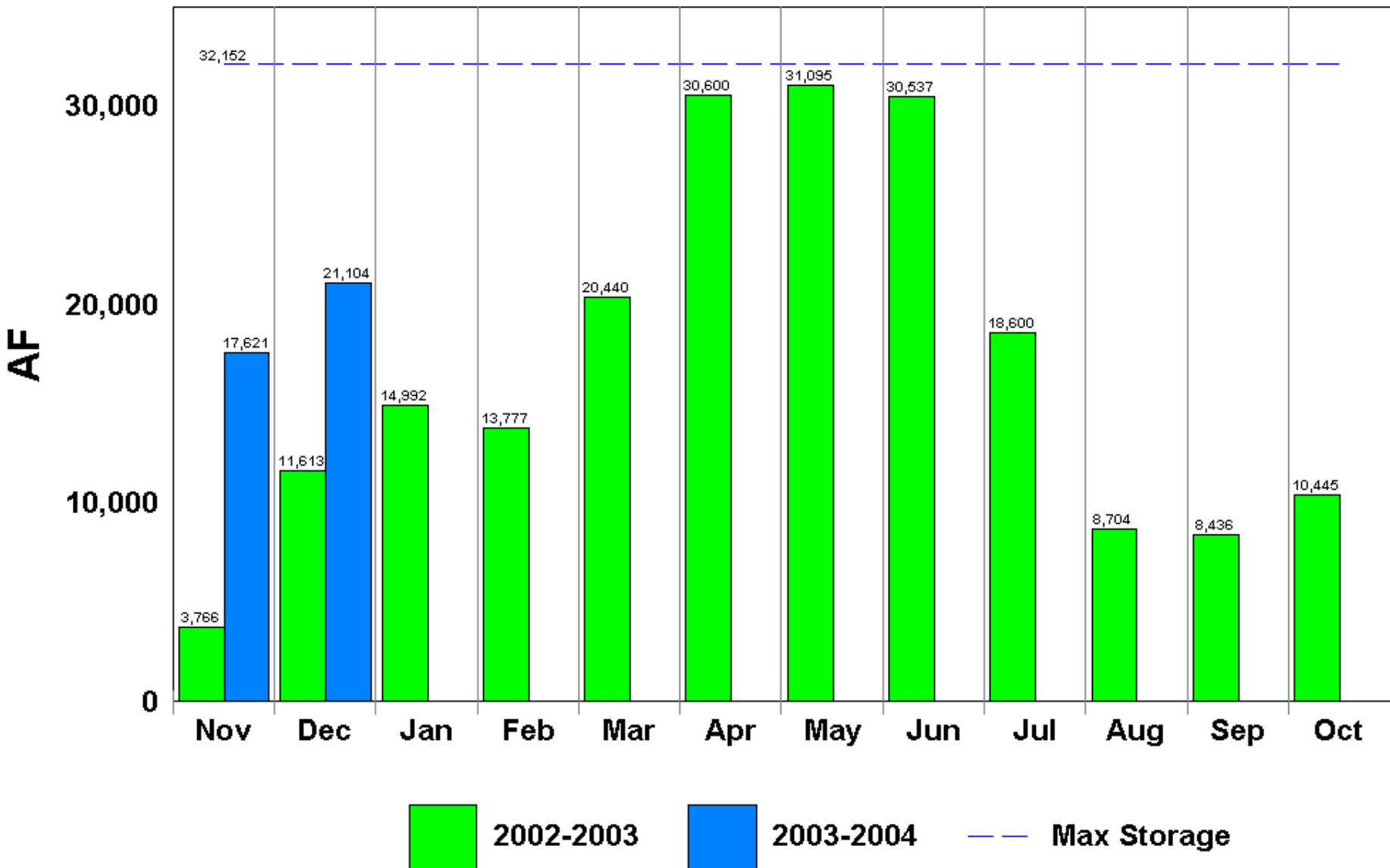
Riverside Reservoir

(Agricultural)



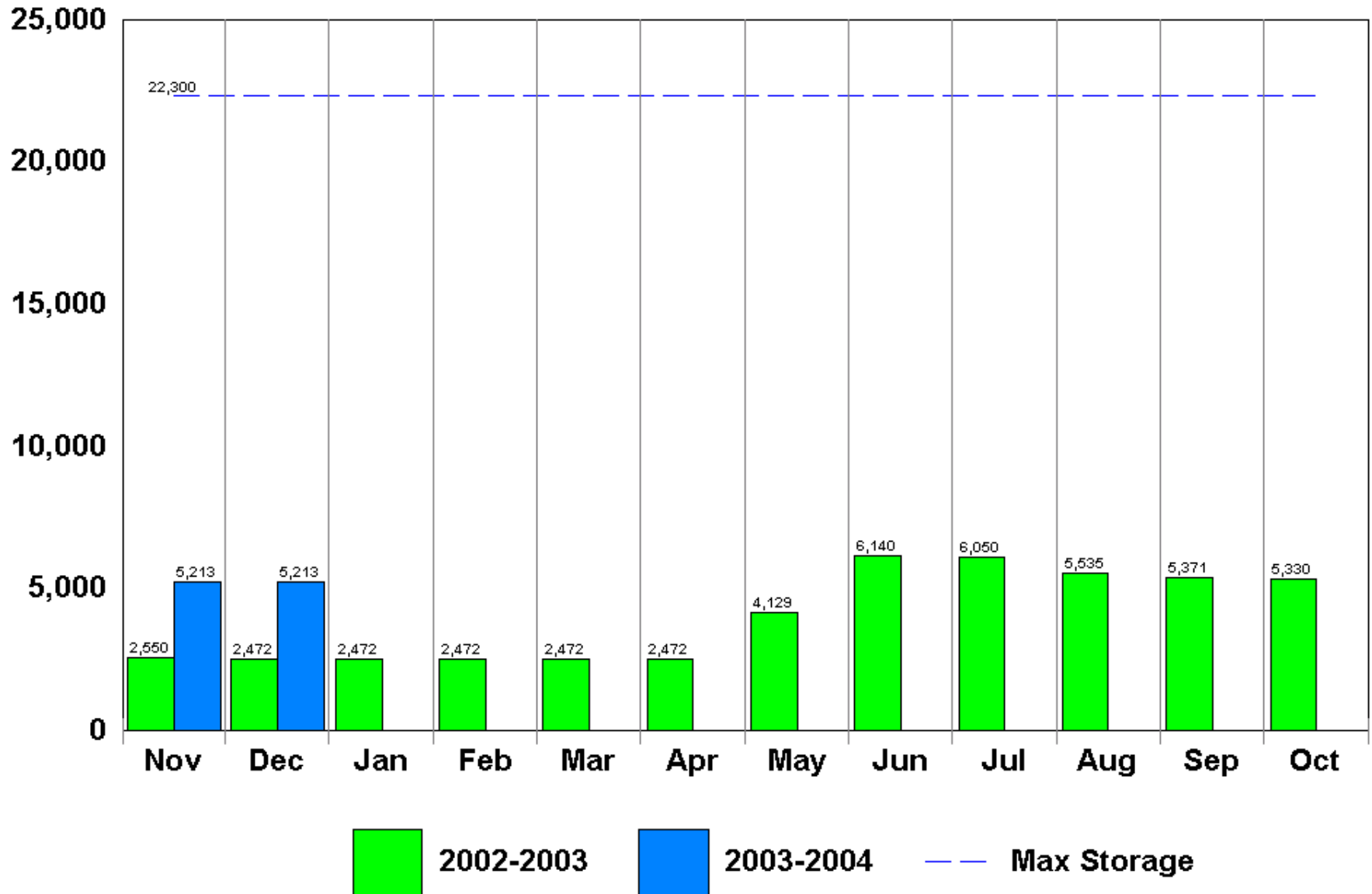
Barr Lake

(Agricultural)



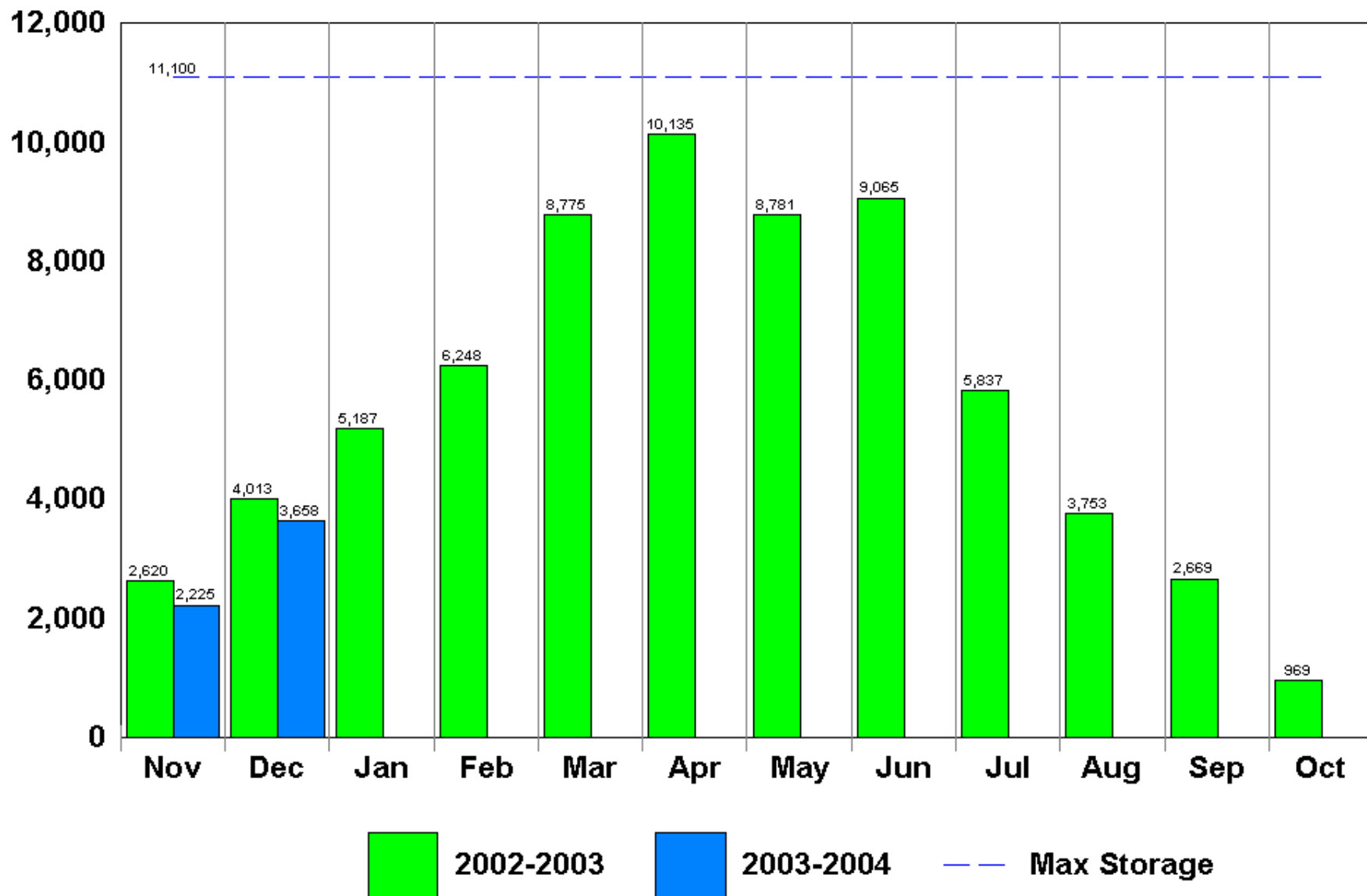
Cobb Lake

(Agricultural)



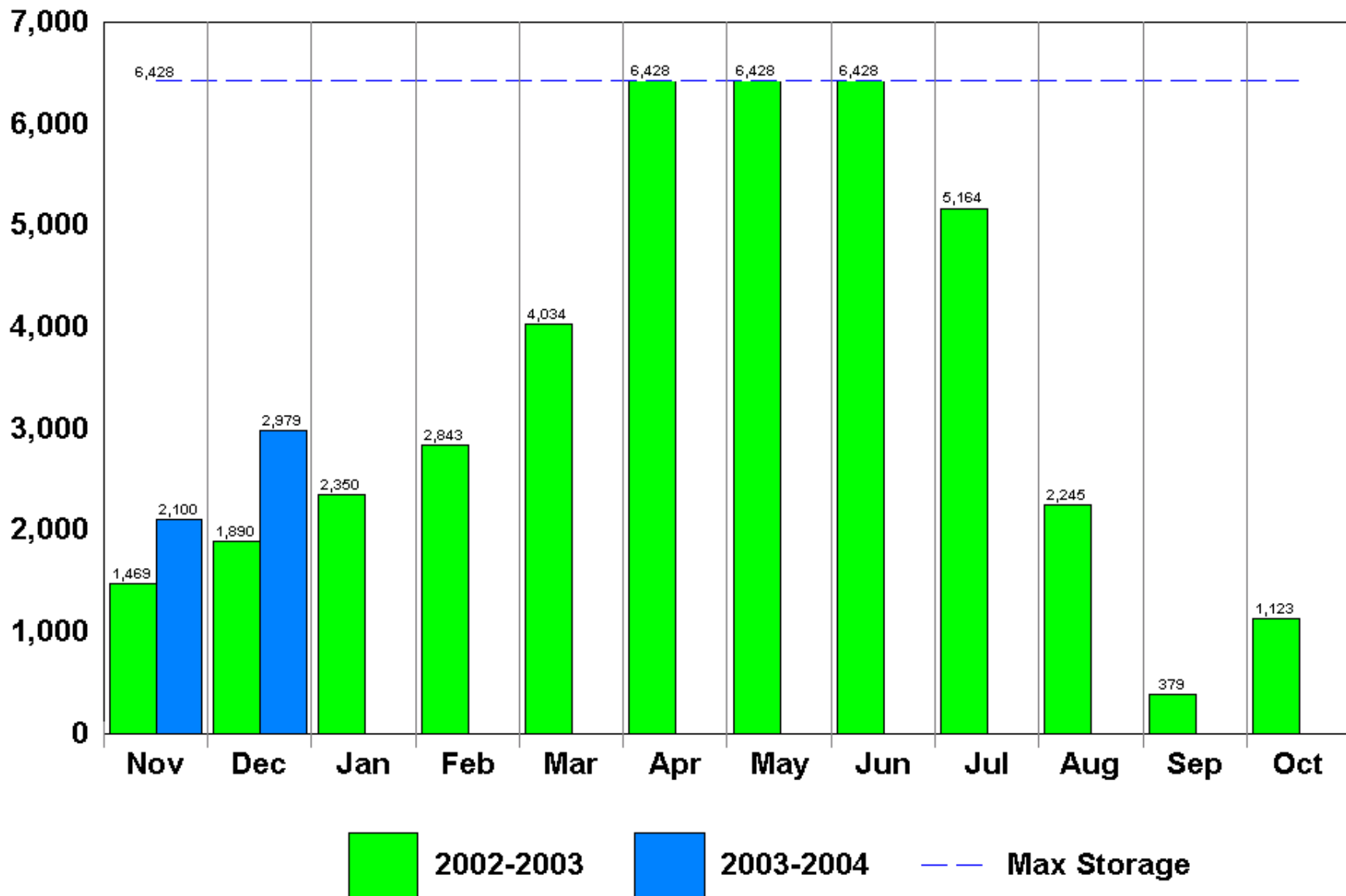
Fossil Creek Reservoir

(Agricultural)



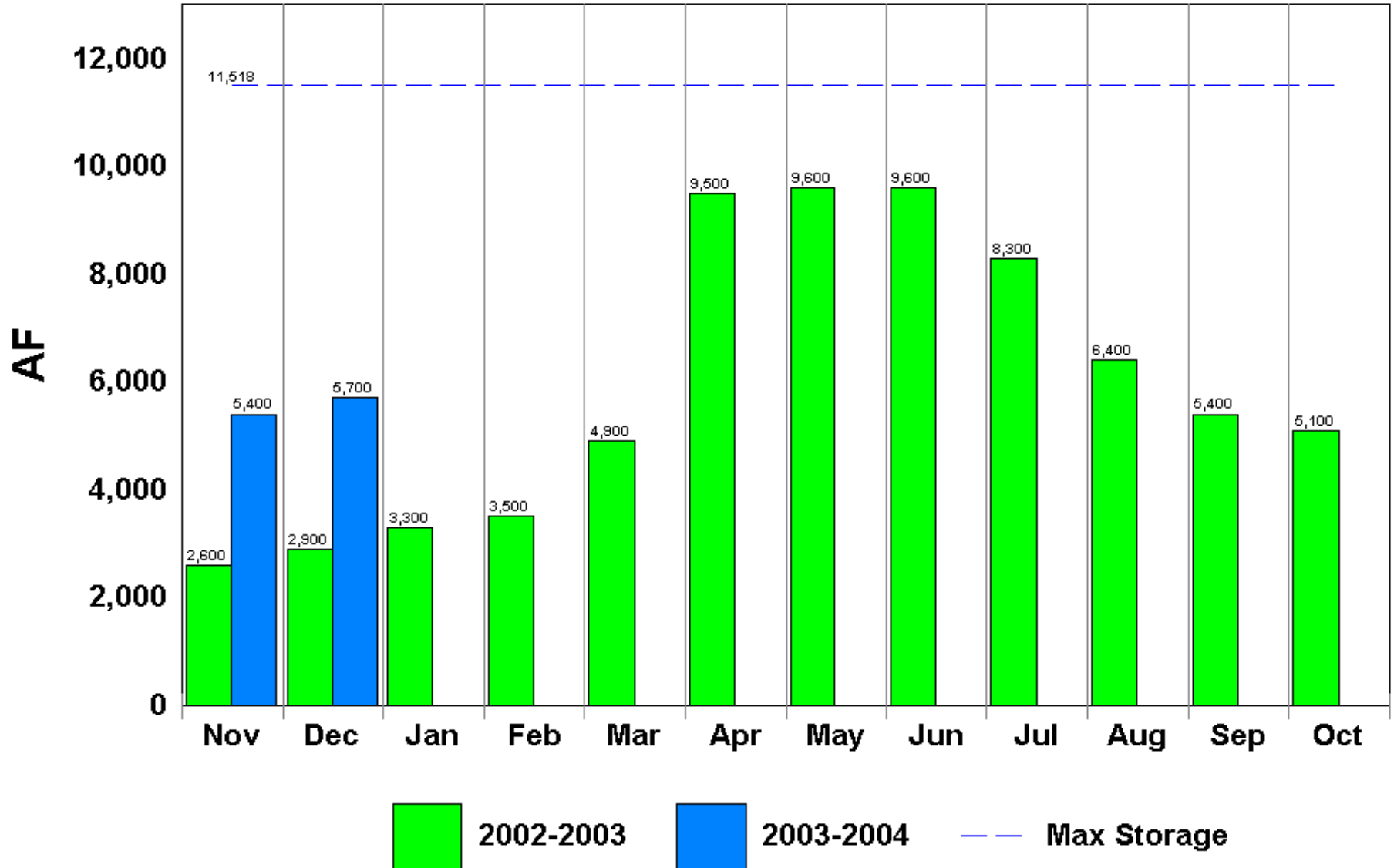
Halligan Reservoir

(Agricultural)



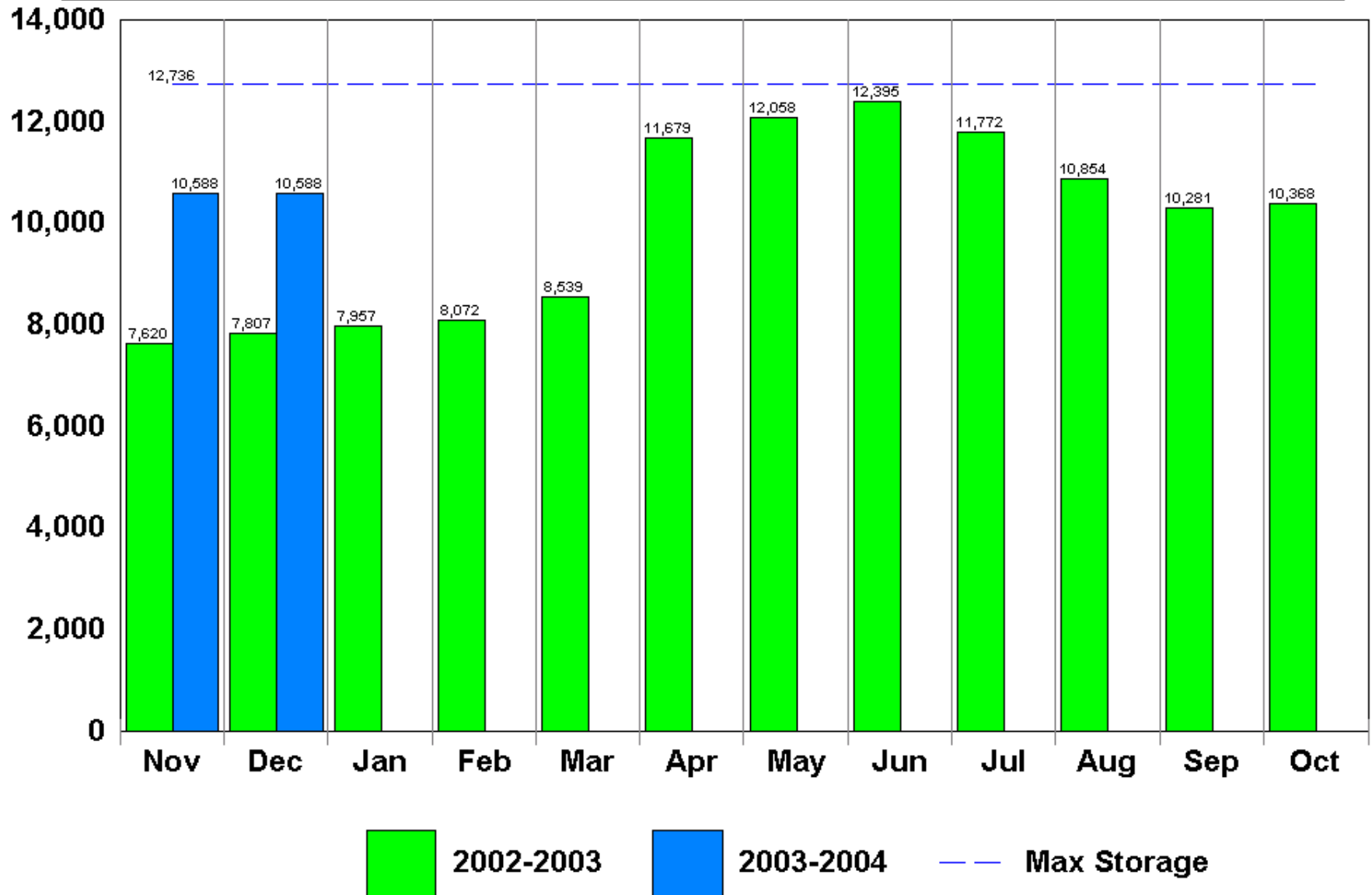
Marshall Lake

(Agricultural)



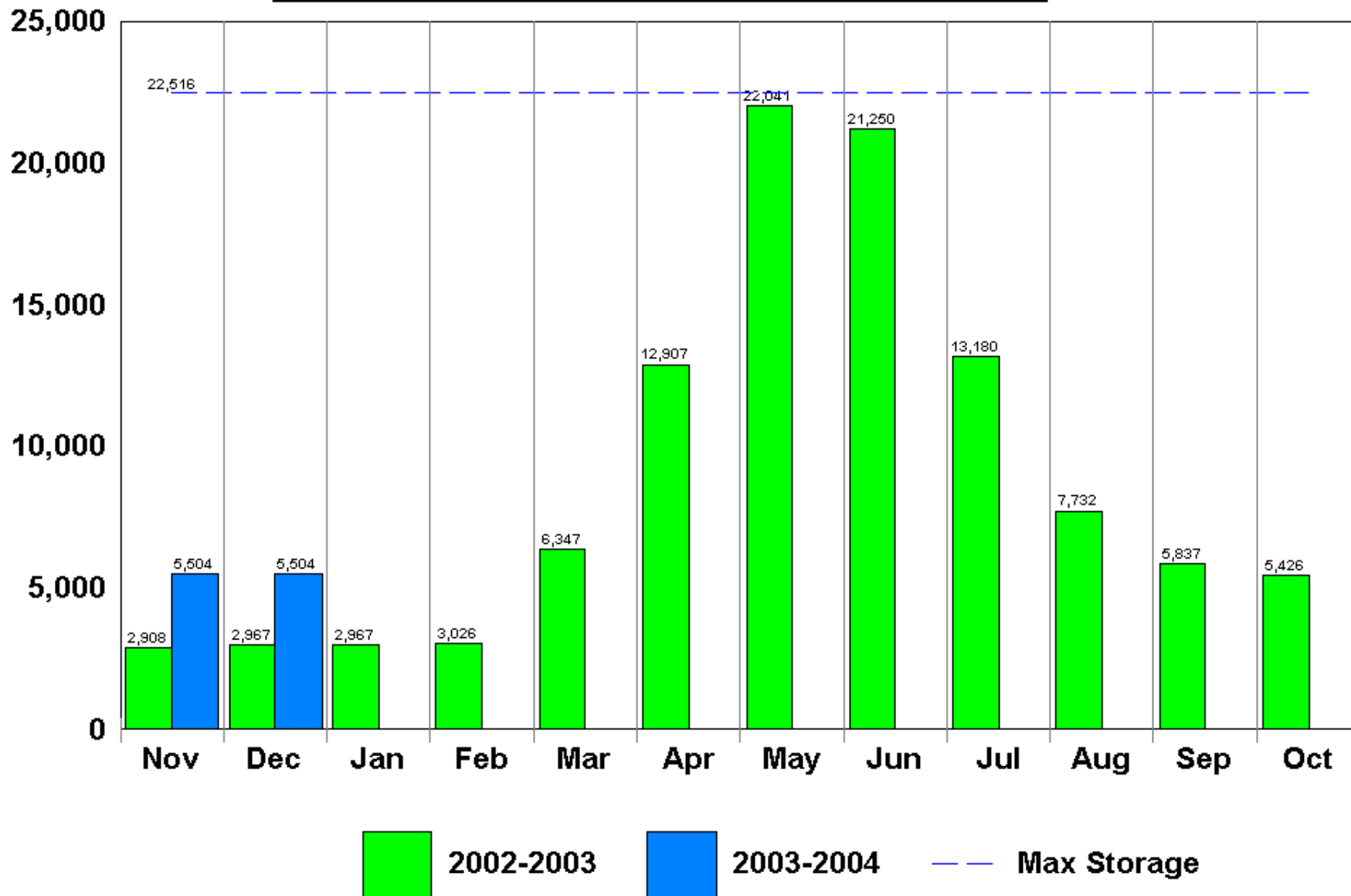
Loveland Greeley Reservoir

(Agricultural)



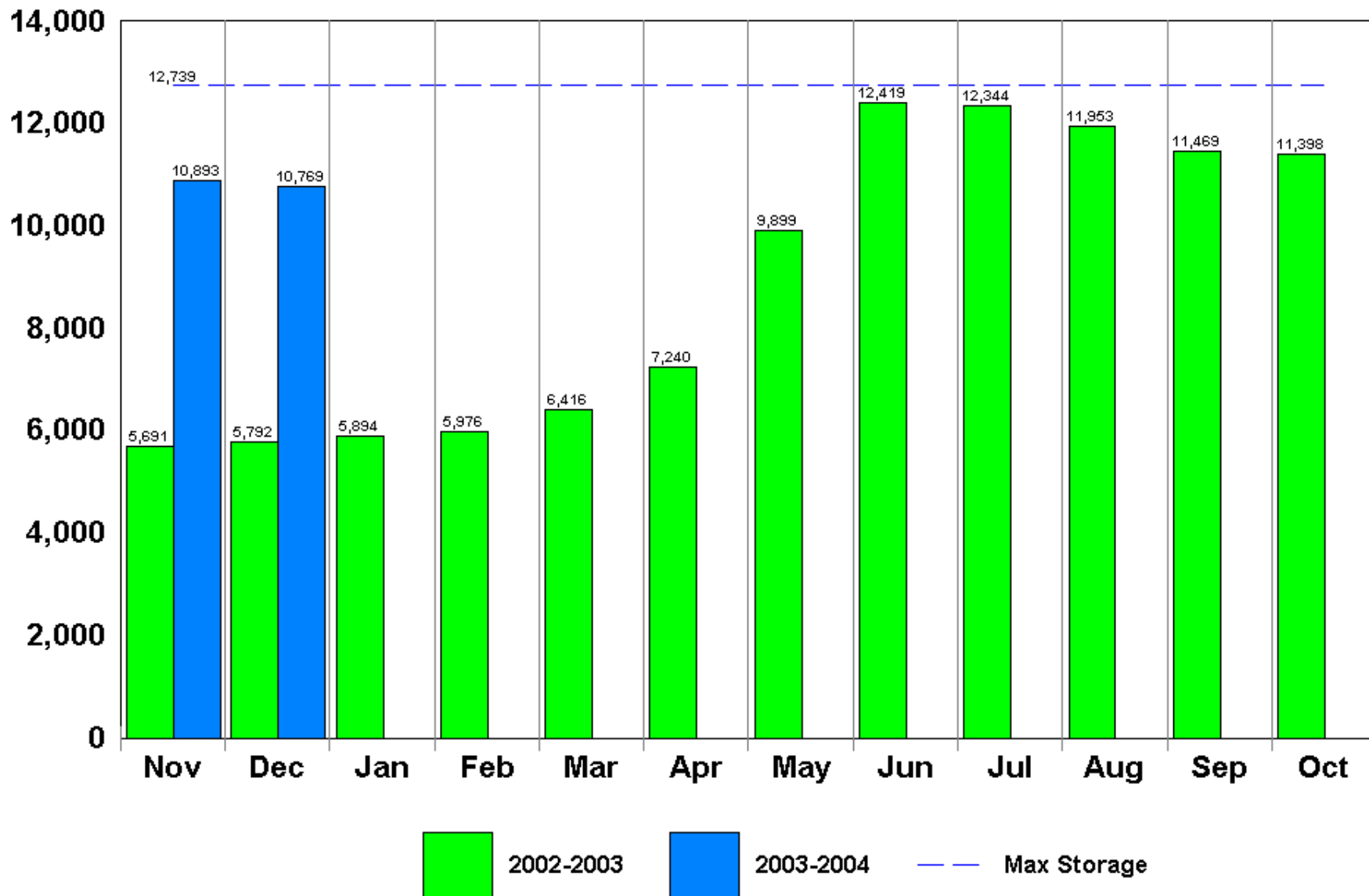
Milton Reservoir

(Agricultural)



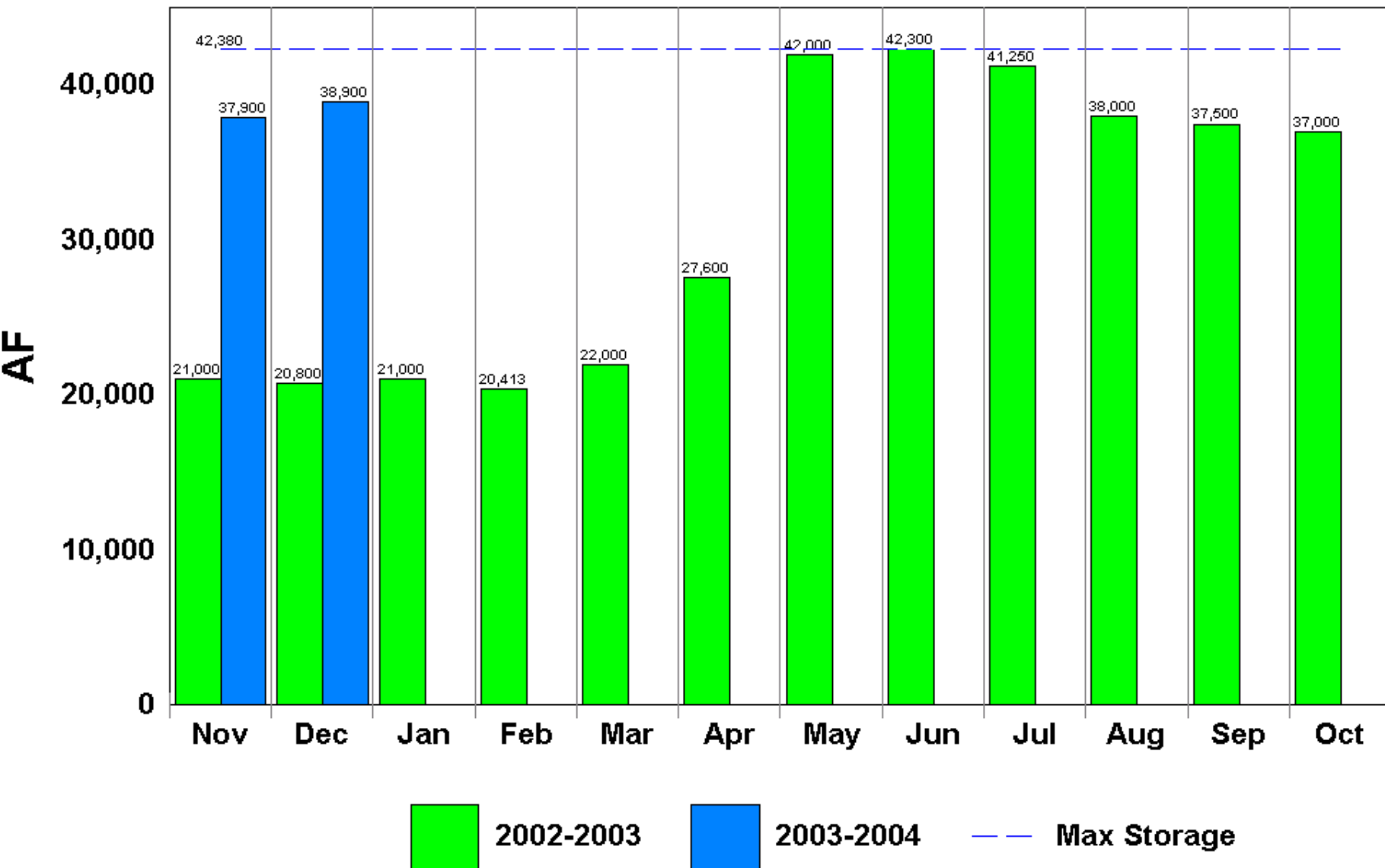
Union Reservoir

(Agricultural)



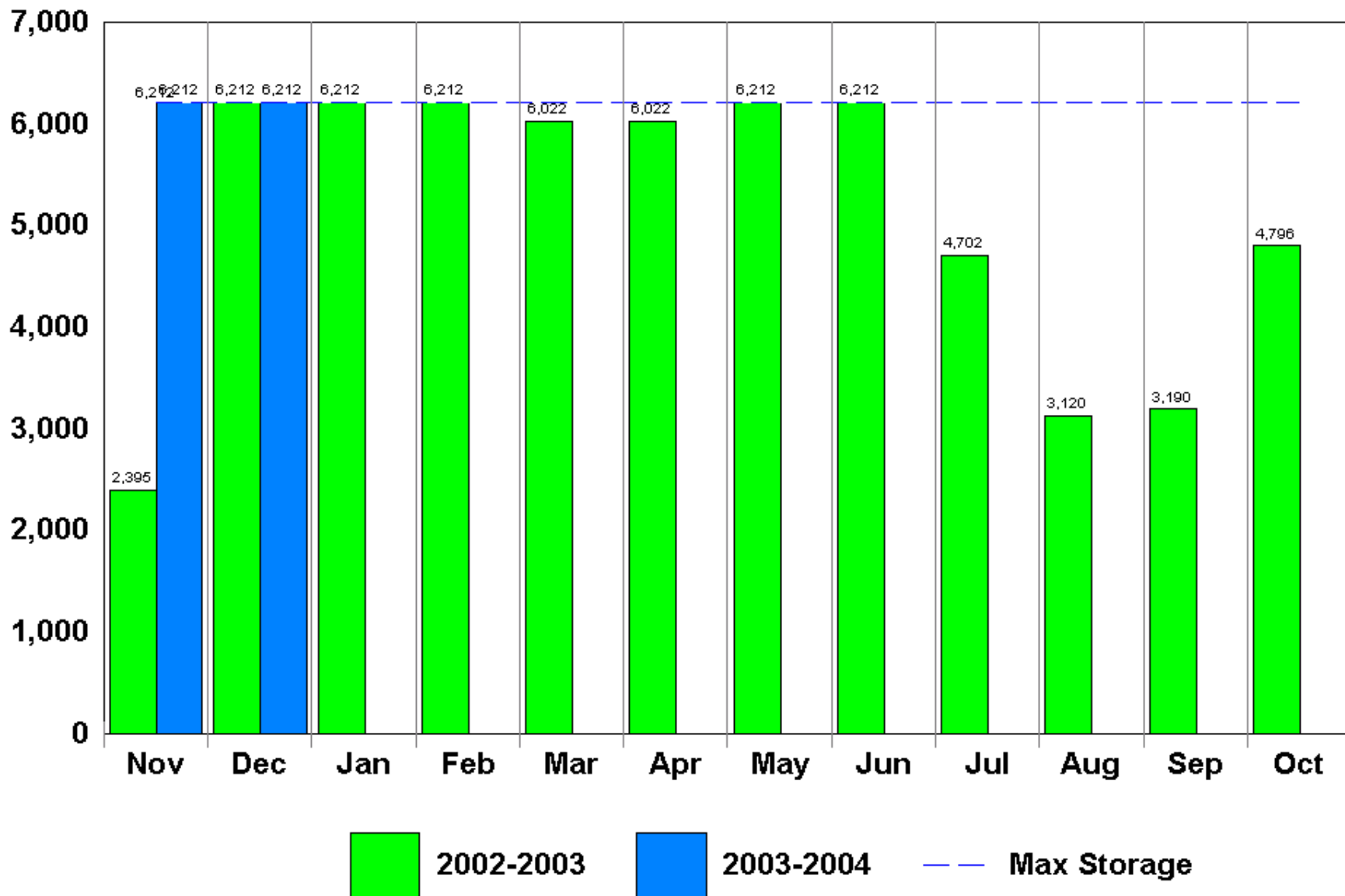
Standley Lake

(Agricultural)



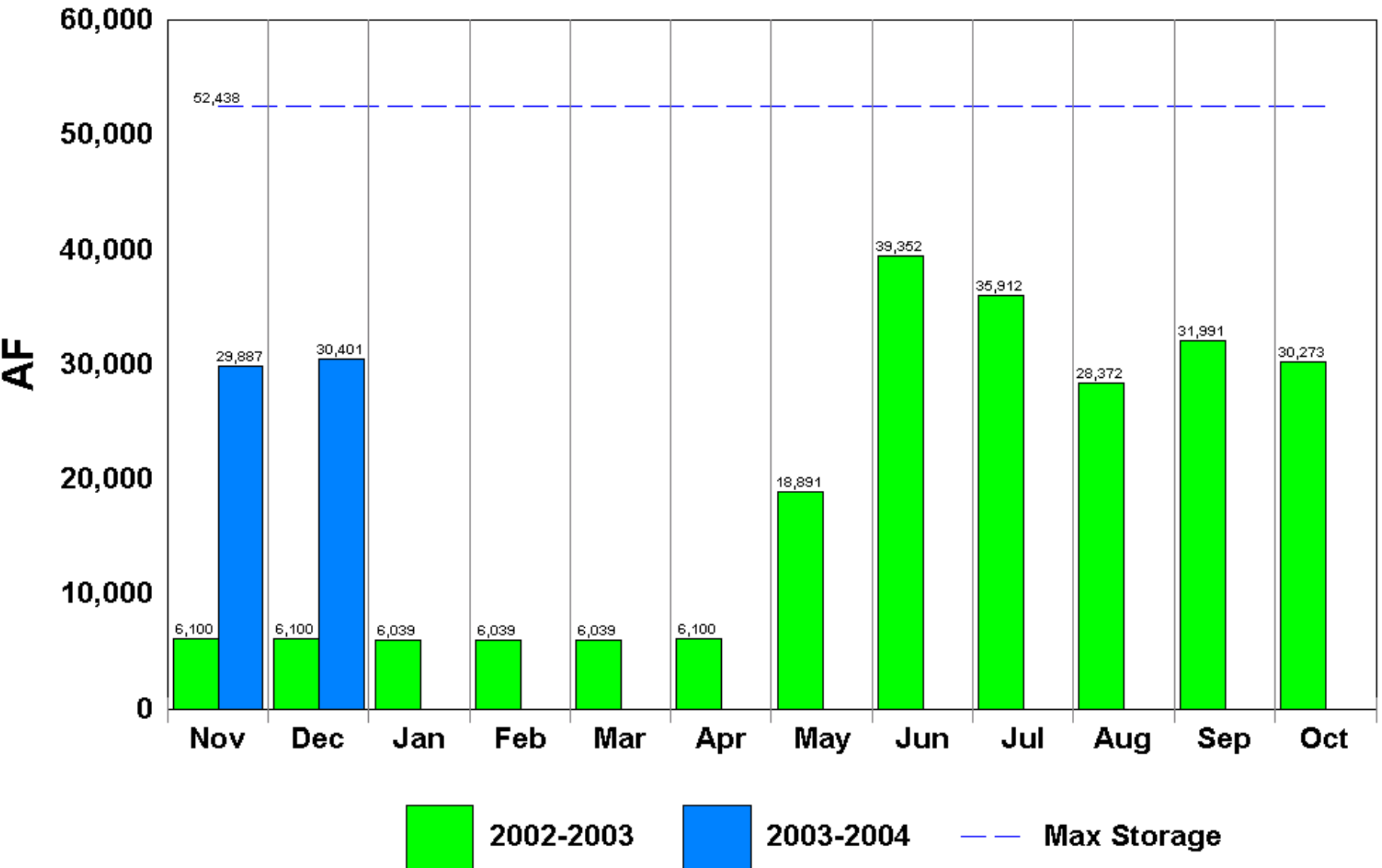
Lower Latham Reservoir

(Agricultural)



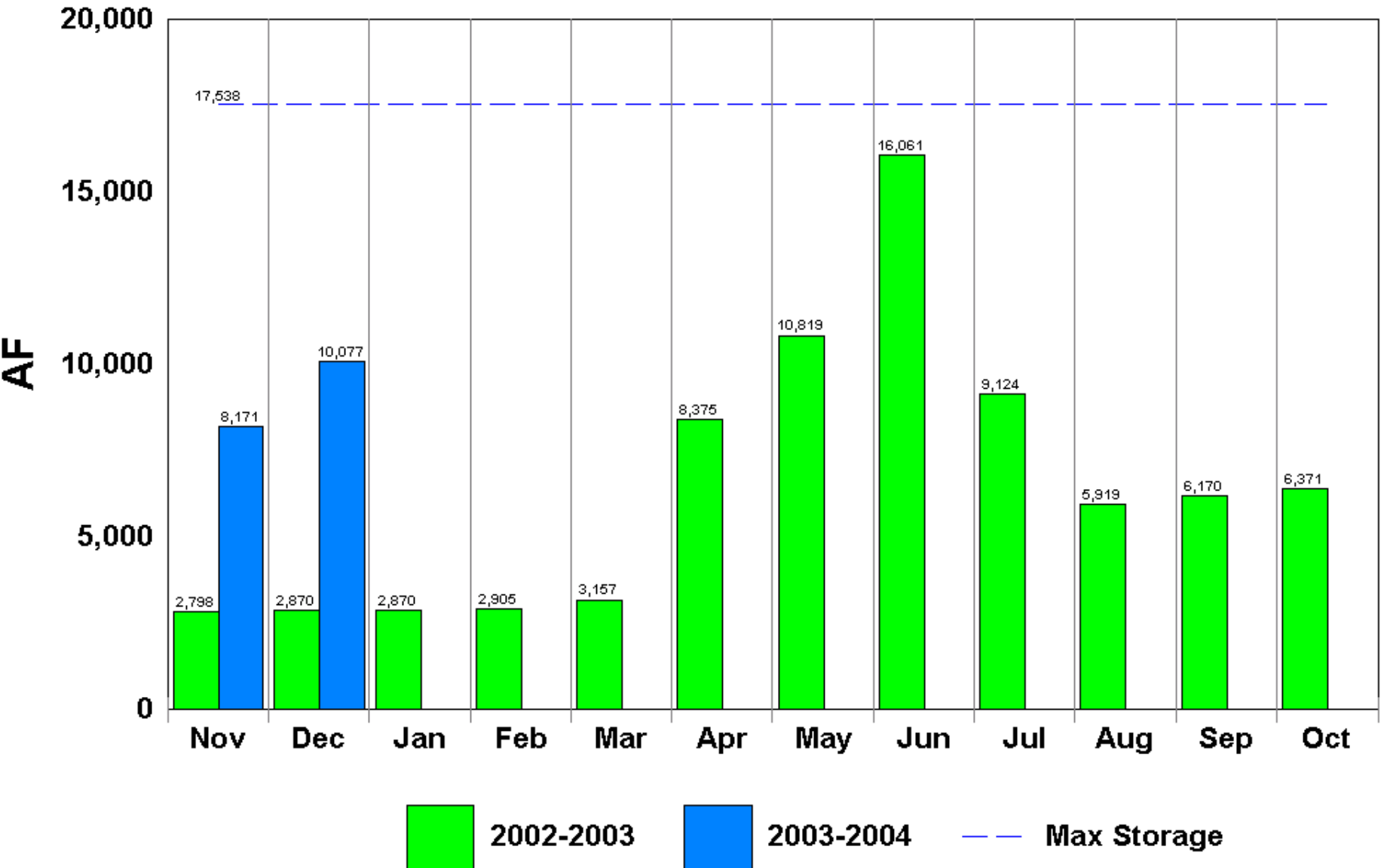
Boyd Lake

(Agricultural)



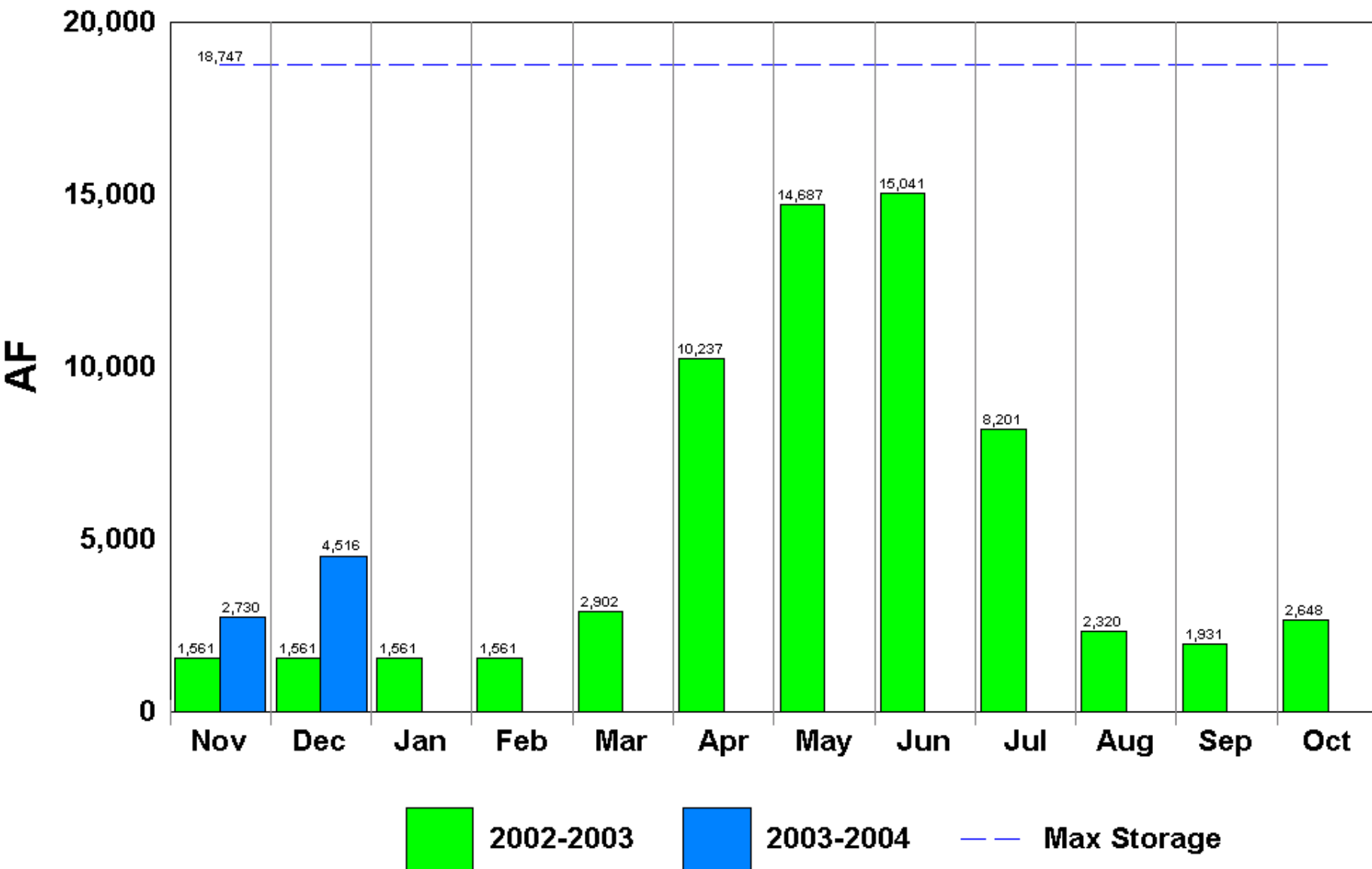
Windsor Reservoir

(Agricultural)



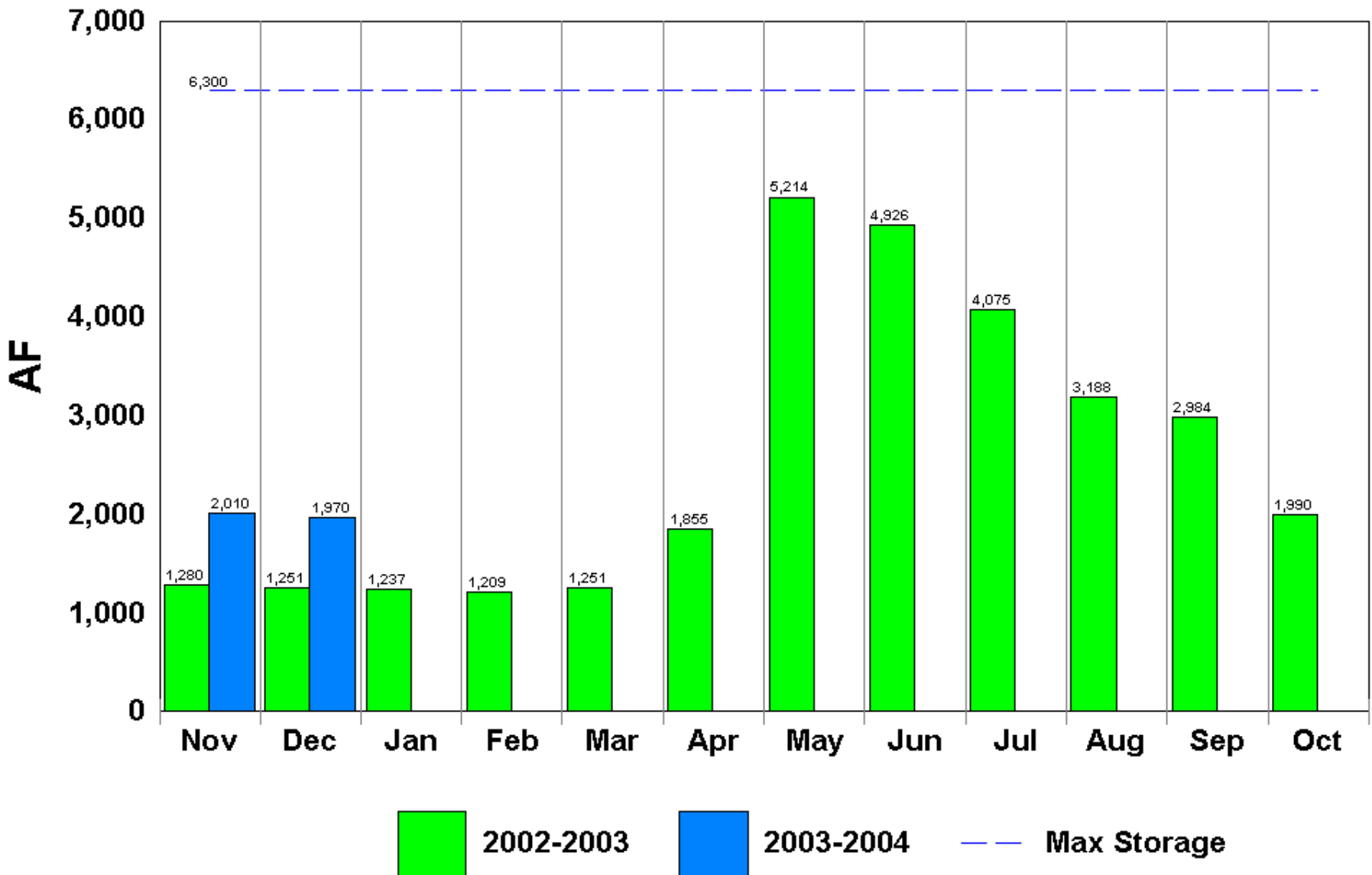
Horse Creek Reservoir

(Agricultural)



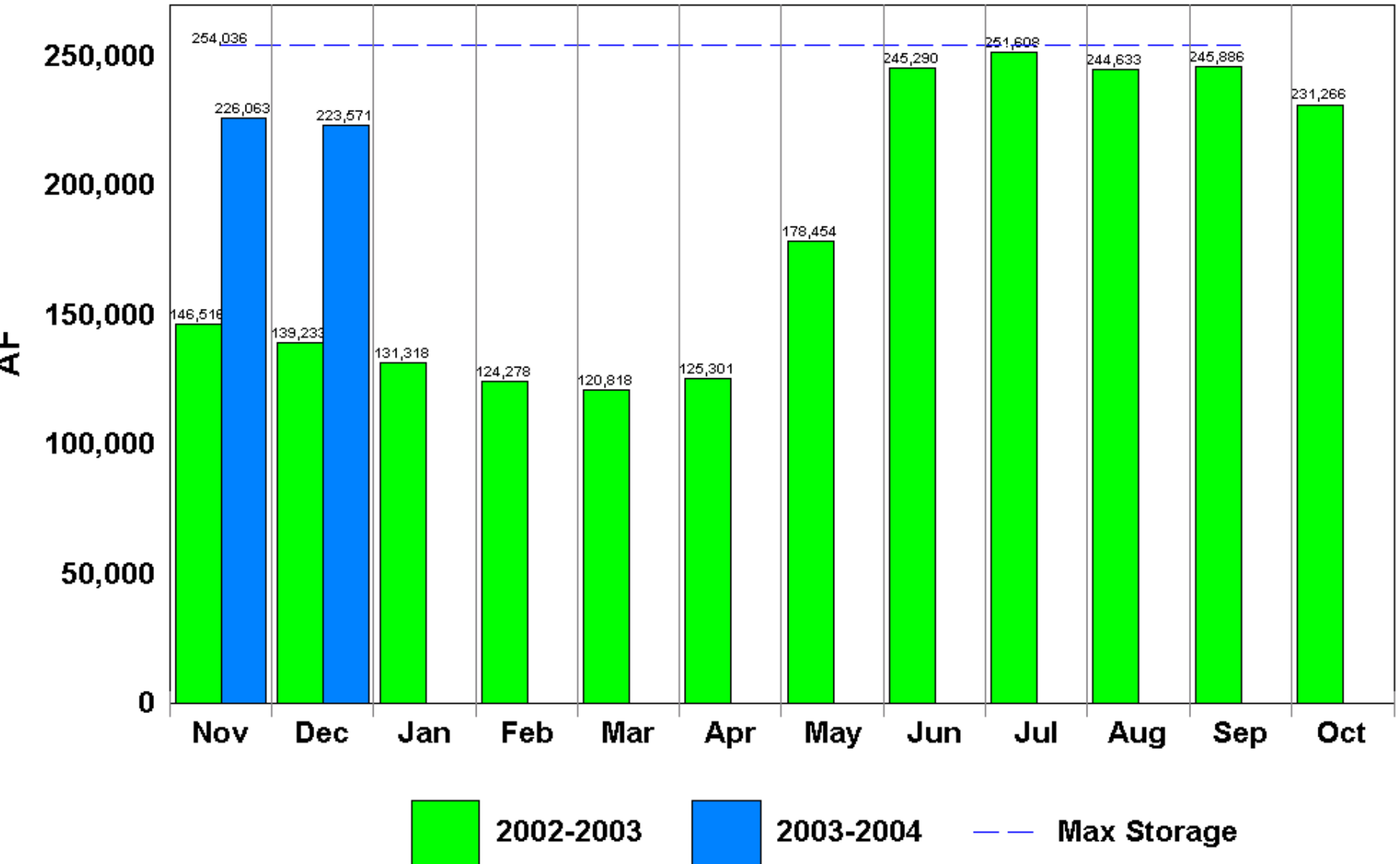
Prospect Reservoir

(Agricultural)



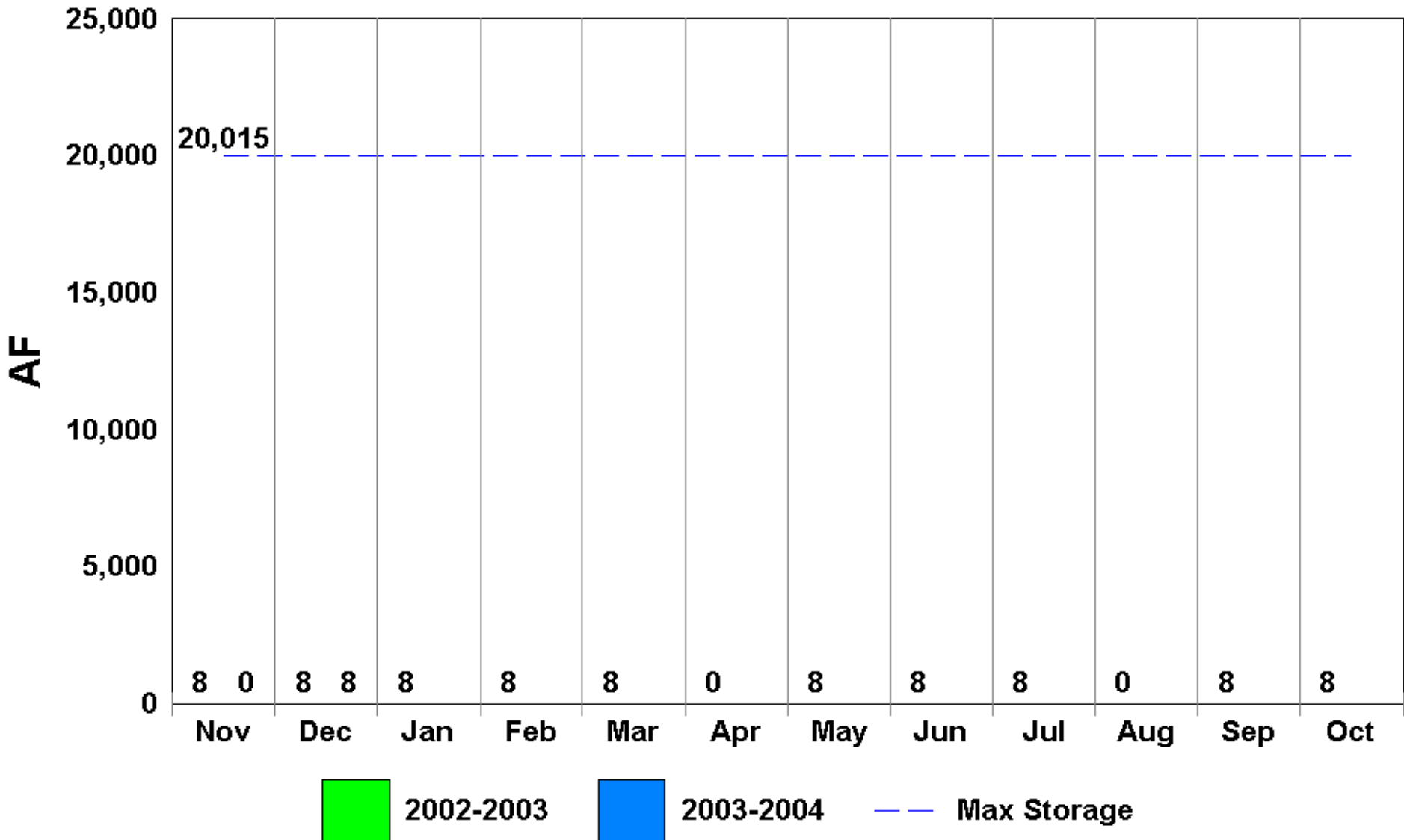
Dillon Reservoir

(Municipal)



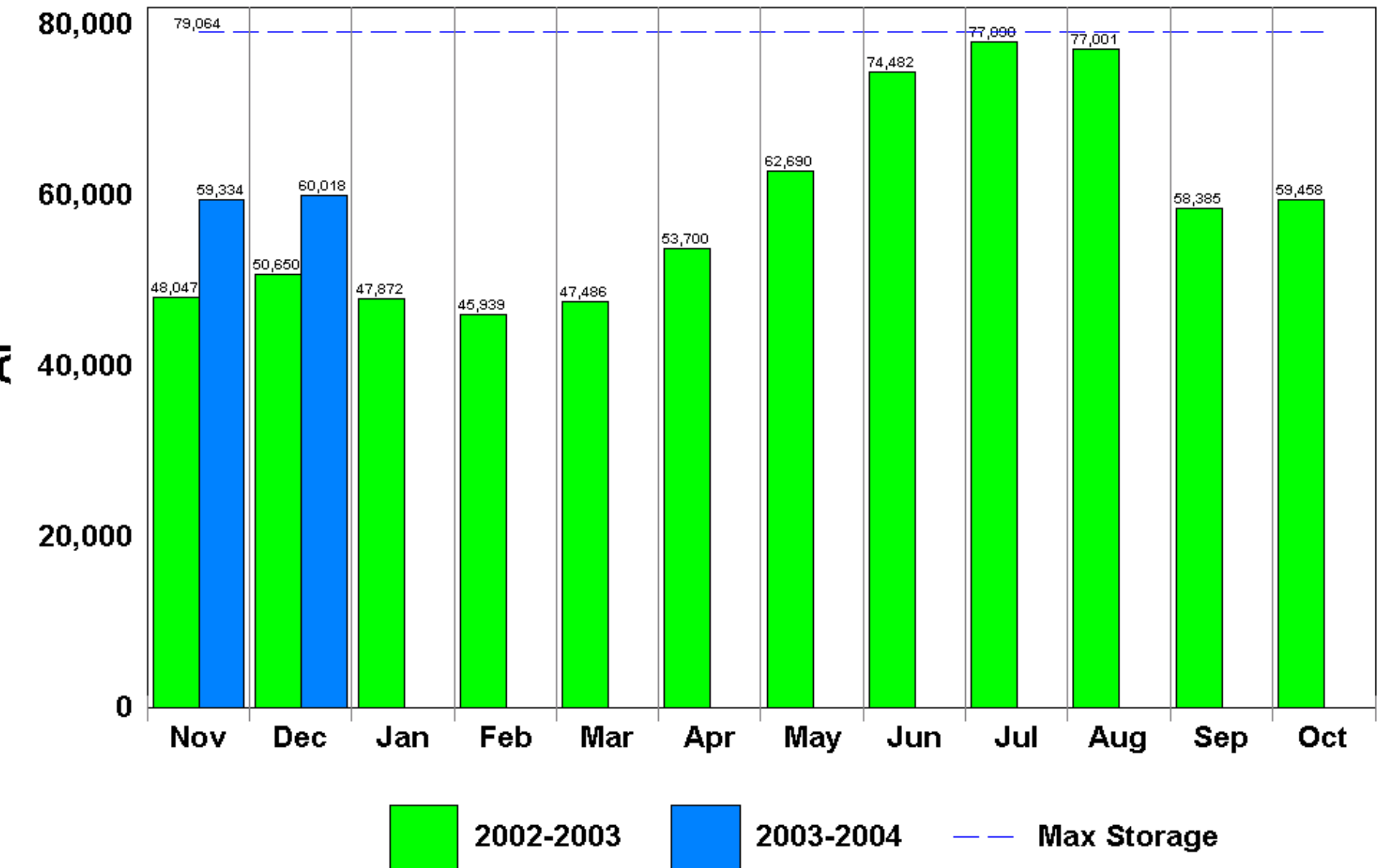
Antero Reservoir

(Municipal)



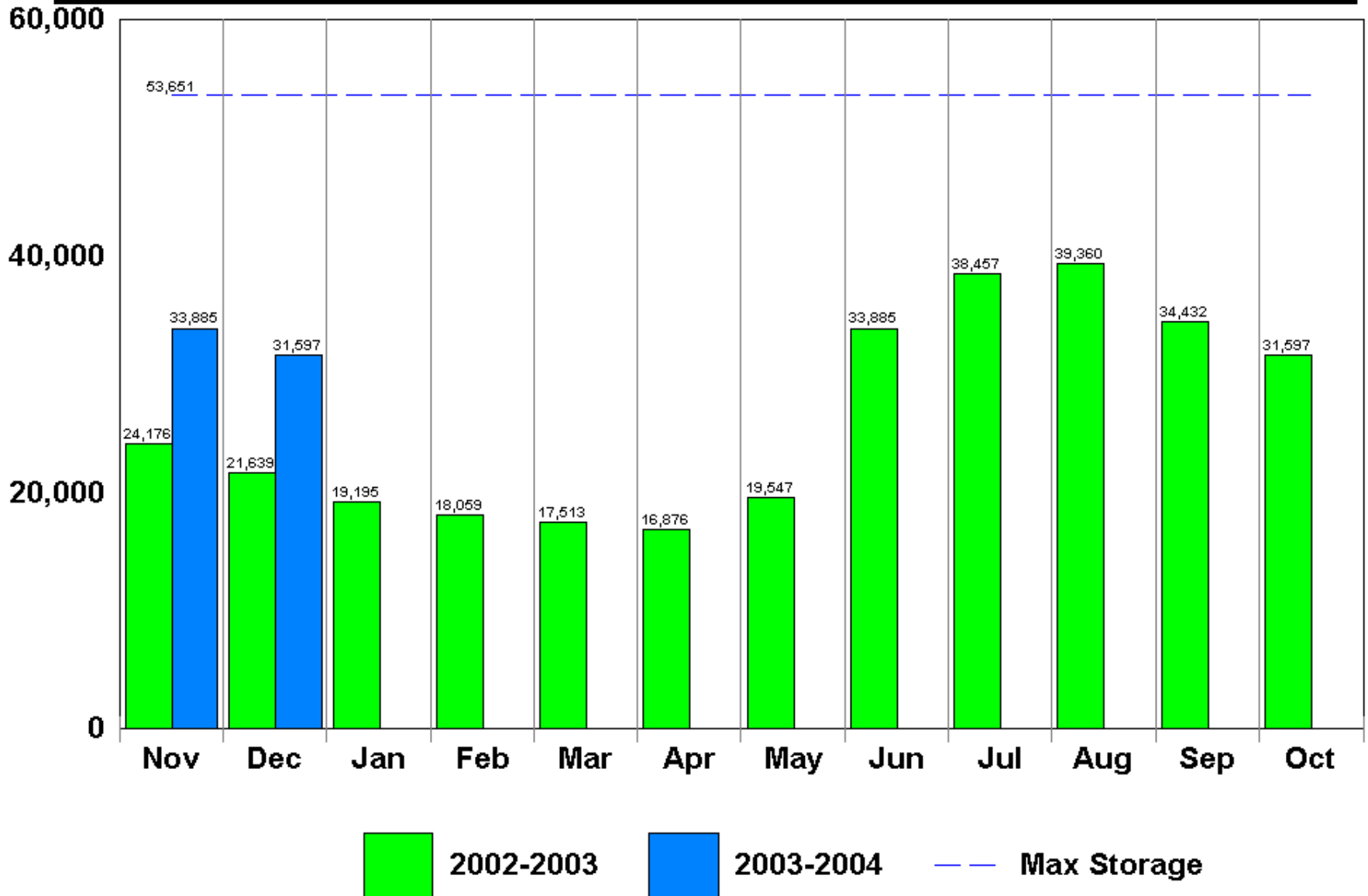
Cheesman Reservoir

(Municipal)



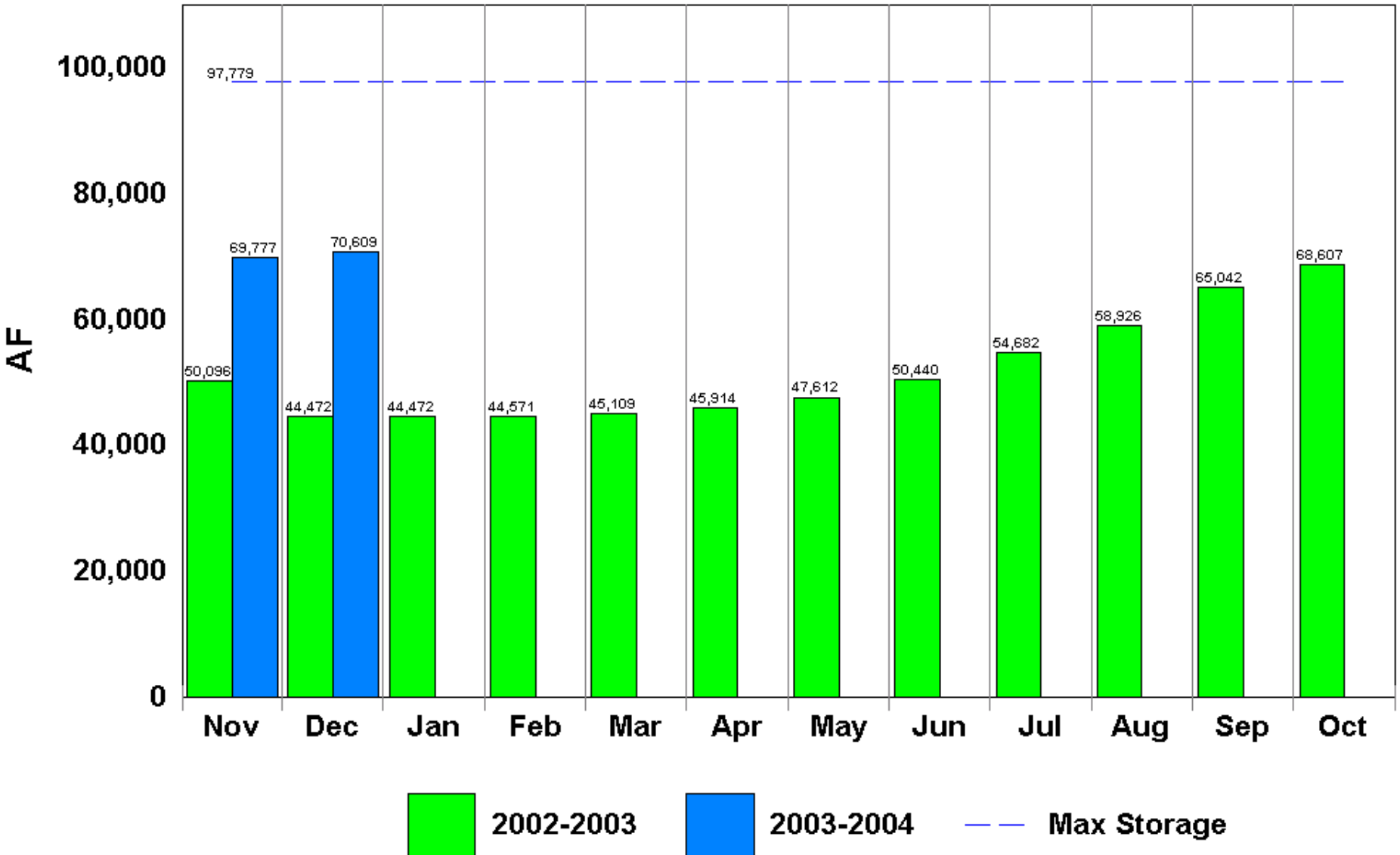
Spinney Mountain Reservoir

(Municipal)

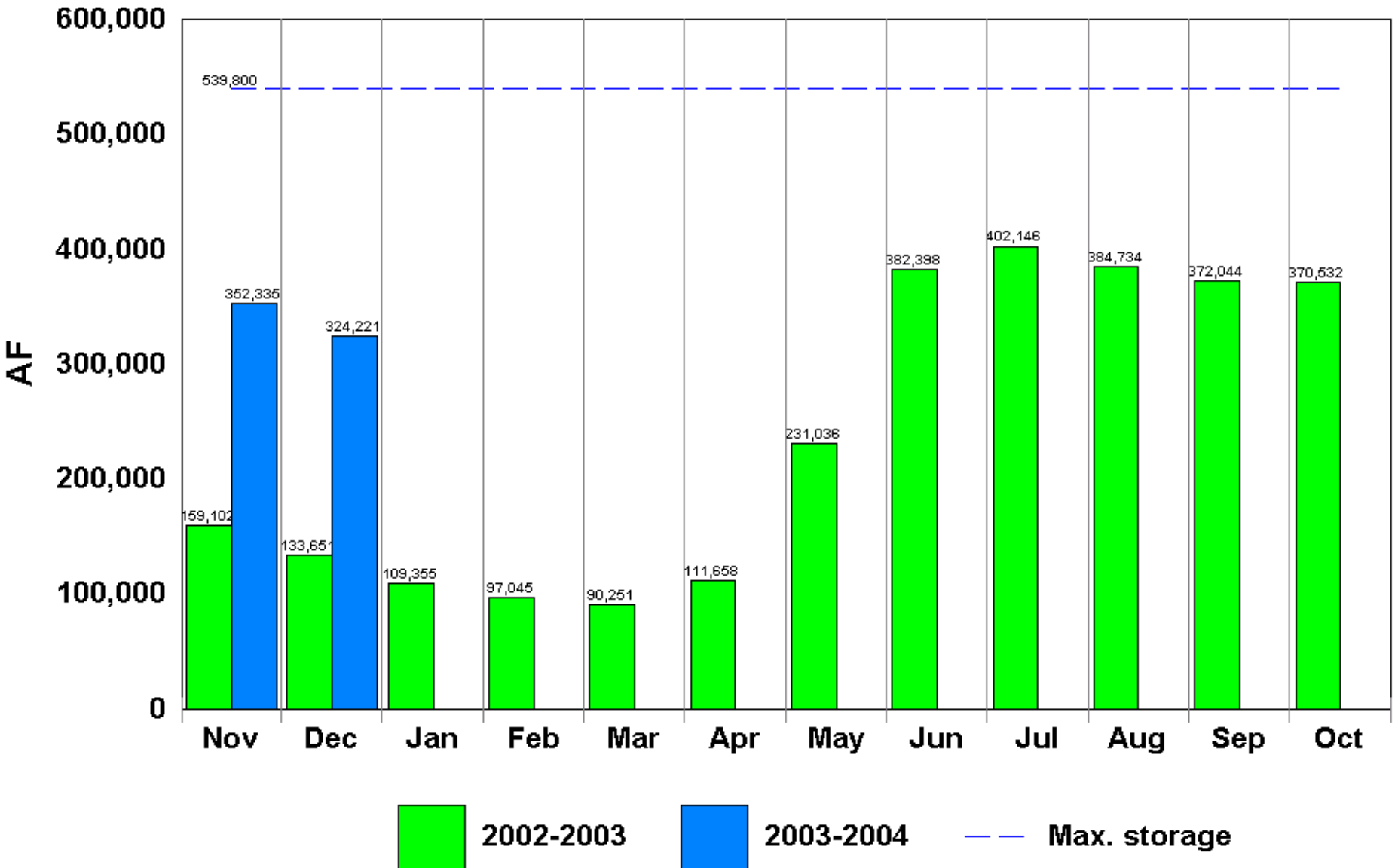


Eleven Mile Reservoir

(Municipal)



Lake Granby



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



Cover Photo Credit:

Jana Ash