



South Platte Summary

Beginning 2004 Irrigation Water
Year

November 2003

By John Lochhead for The Colorado
Division of Water Resources

Croke Canal at Headgate Flume

COLORADO DIVISION OF WATER RESOURCES, DIVISION 1

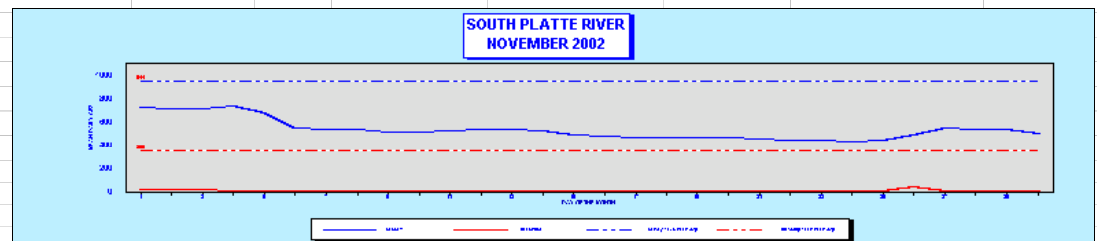
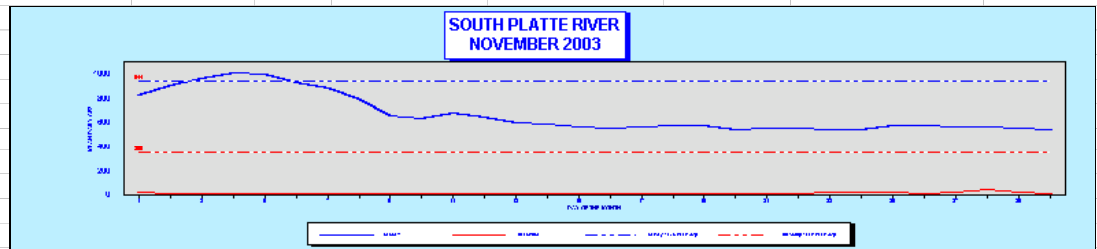
MONTH OF NOVEMBER 2003

04-Dec

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	2,160	11,020	64	8,860	410%	49%	72%	0
NORTH STERLING	73,730	9,460	18,790	64	9,330	99%	25%	15%	0
PREWITT	28,500	7,340	7,340	64	0	0%	26%	0%	0
JACKSON	27,257	3,560	13,890	1	10,330	290%	51%	53%	0
EMPIRE	37,700	3,899	3,500	1	(399)	-10%	9%	11%	0
RIVERSIDE	63,113	14,577	29,538	1	14,961	103%	47%	25%	0
BARR LAKE	31,652	10,445	17,621	2	7,176	69%	56%	12%	0
CHEESMAN	79,064	59,458	59,334	80	(124)	-0%	75%	61%	0
ELEVEN MILE	97,779	68,607	69,777	23	1,170	2%	71%	51%	0
SPINNEY	53,651	31,597	33,885	23	2,288	7%	63%	45%	0
ANTERO	20,015	8	0	23	(8)	-100%	0%	0%	0

RIVER GAGES	MEAN DAILY FLOW (CFS)
KERSEY	671
JULESBURG	19
THIS MONTH LAST YEAR	
KERSEY	536
JULESBURG	16
MEAN FOR PERIOD OF RECORD*	
KERSEY	944
JULESBURG	356

* 1976-2002
1902-2002

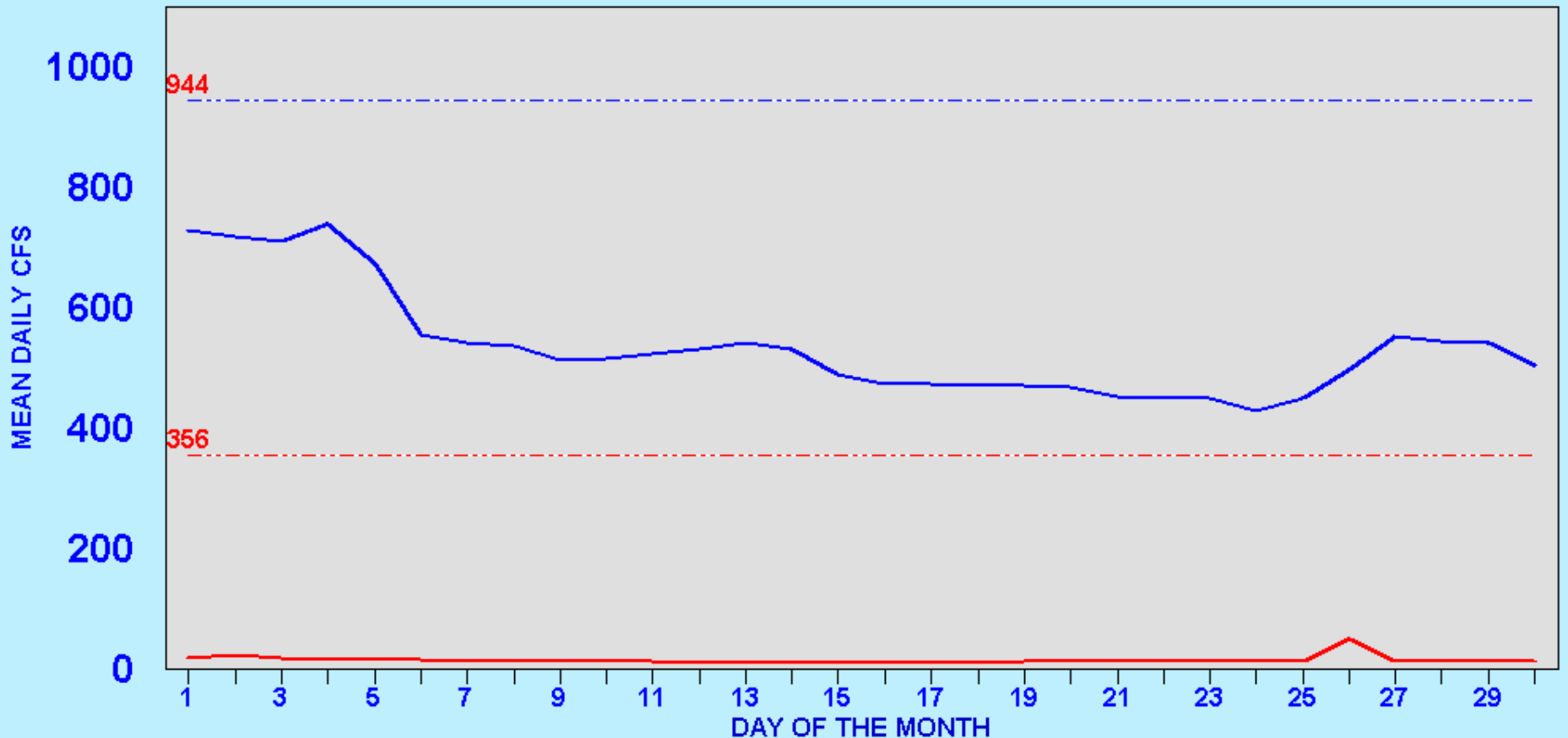


South Platte River Monthly Means, Historic, Max, Min.

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			Dec	419	1371	1985	18.8	1912		
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 NOVEMBER 2002



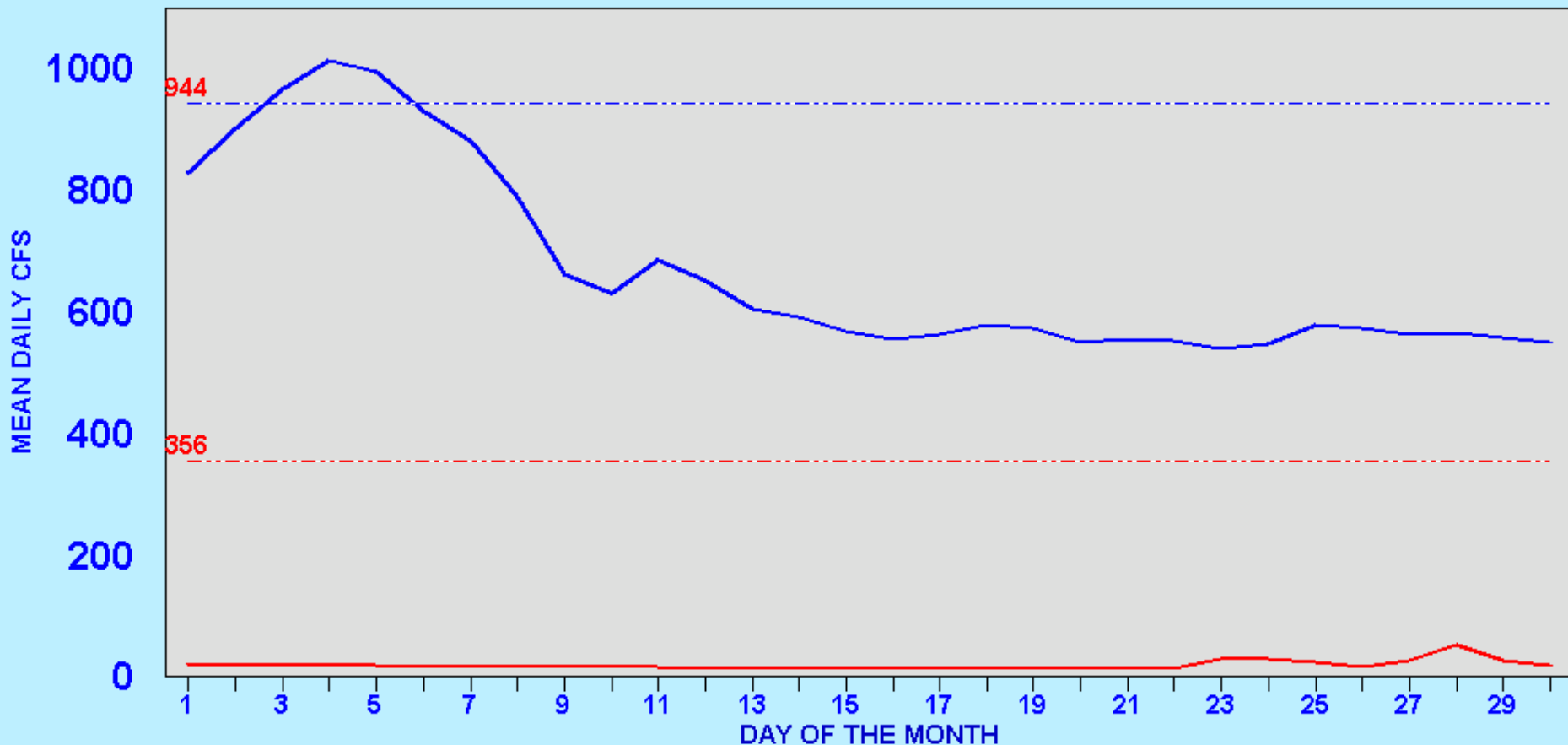
— KERSEY

— JULESBURG

- - - Kersey 1976-2002 Avg.

- - - Julesburg 1902-2002 Avg

SOUTH PLATTE RIVER NOVEMBER 2003



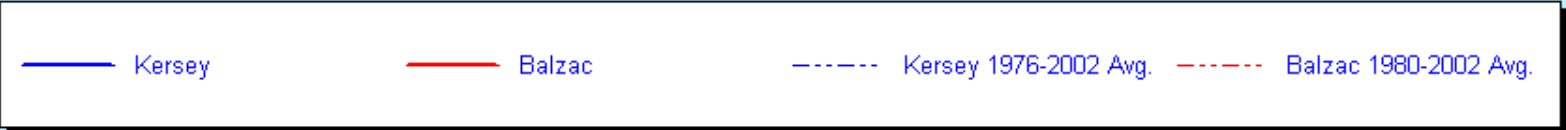
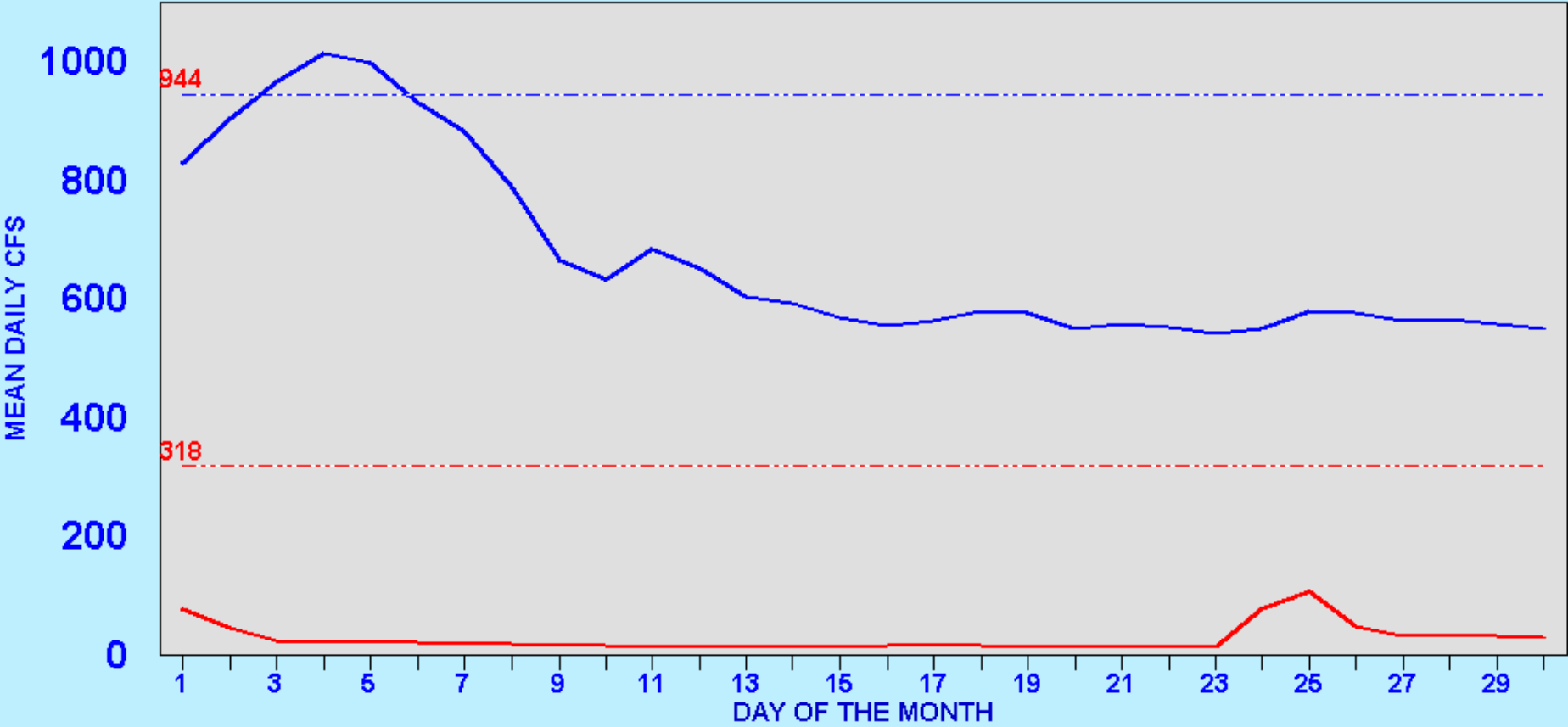
— KERSEY

— JULESBURG

- - - Kersey 1976-2002 Avg.

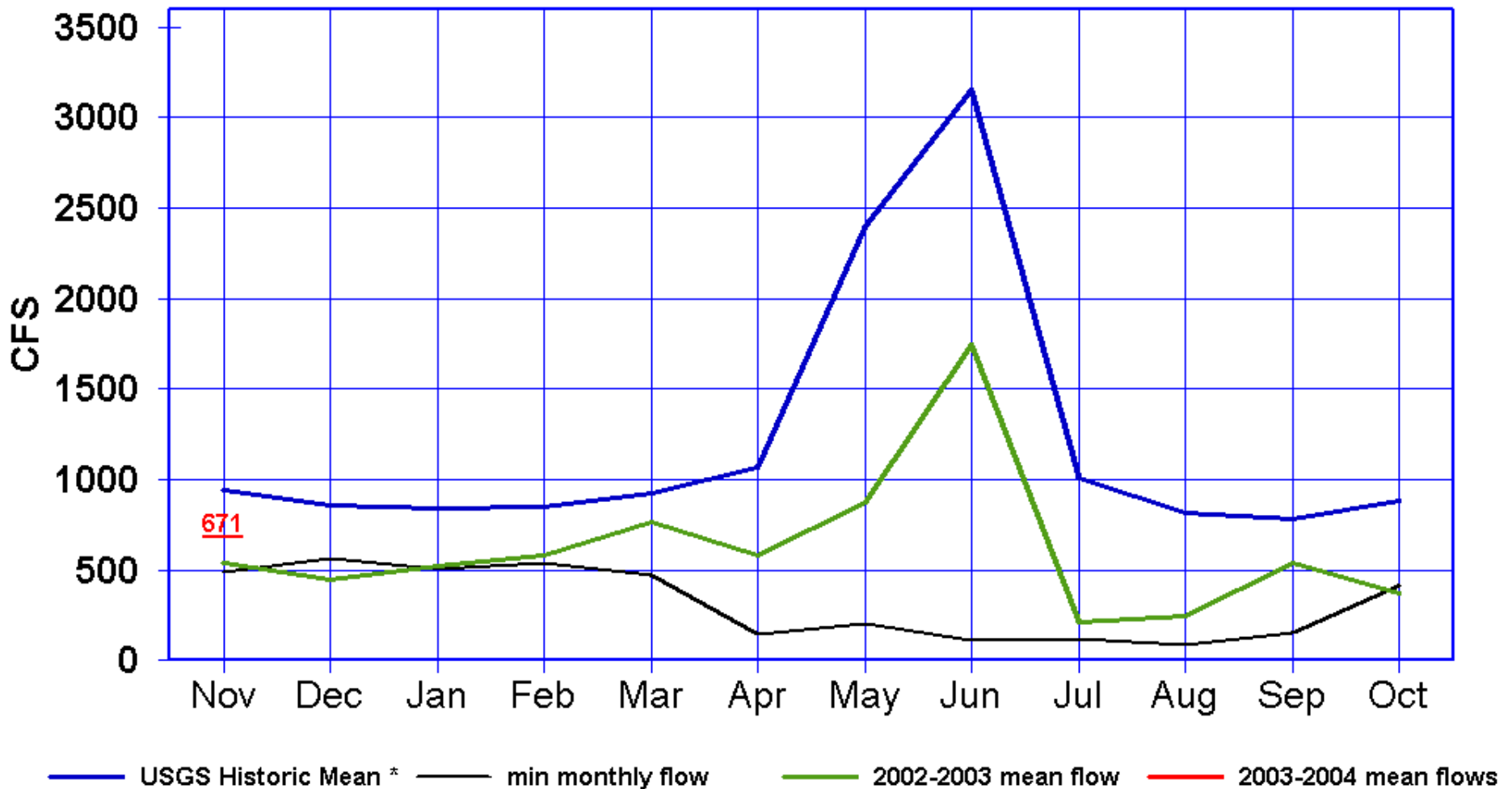
- - - Julesburg 1902-2002 Avg.

Kersey, Balzac November 2003



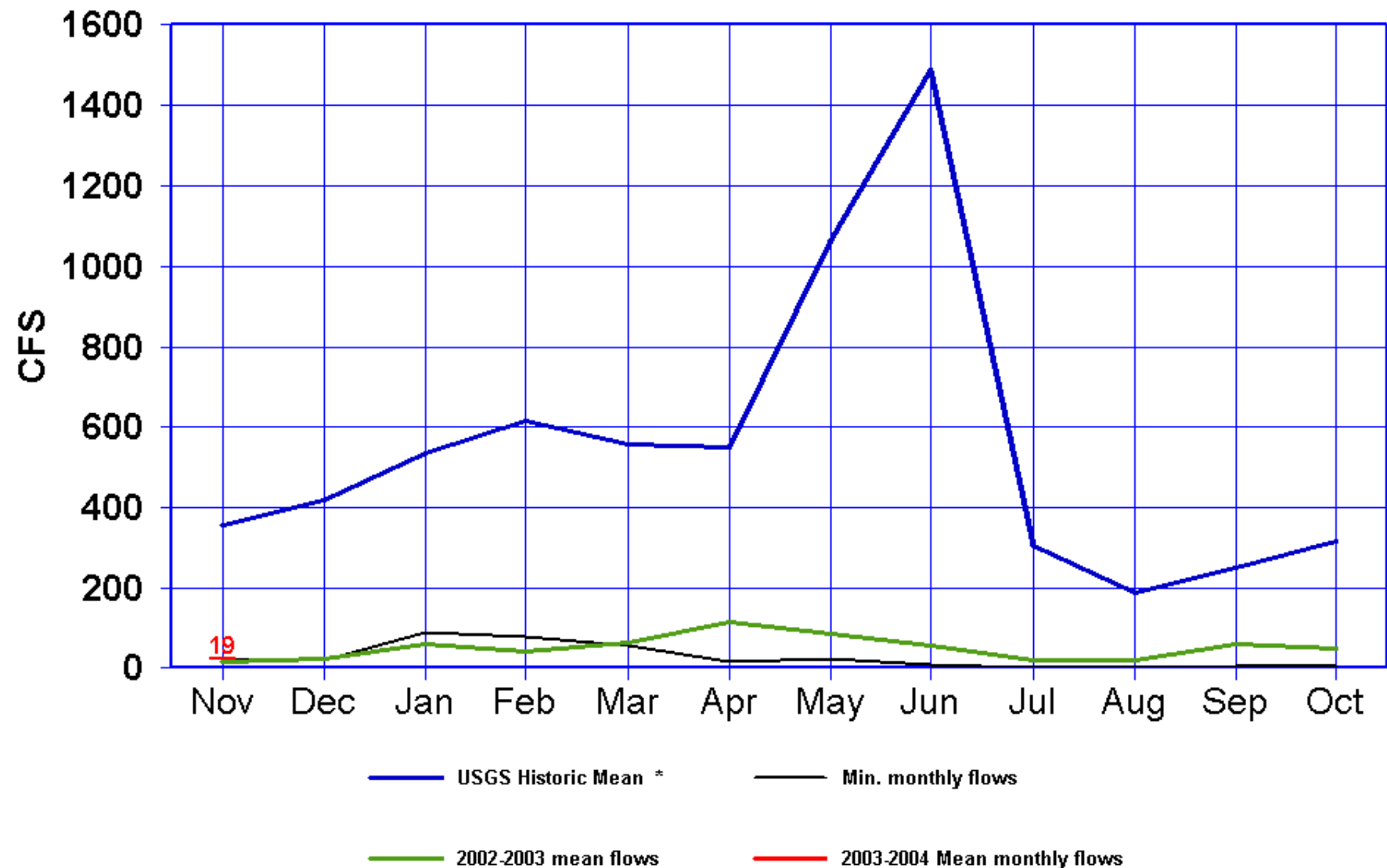
South Platte River at Kersey

Irrigation Water Year*



South Platte River at Julesburg

Irrigation Water Year*



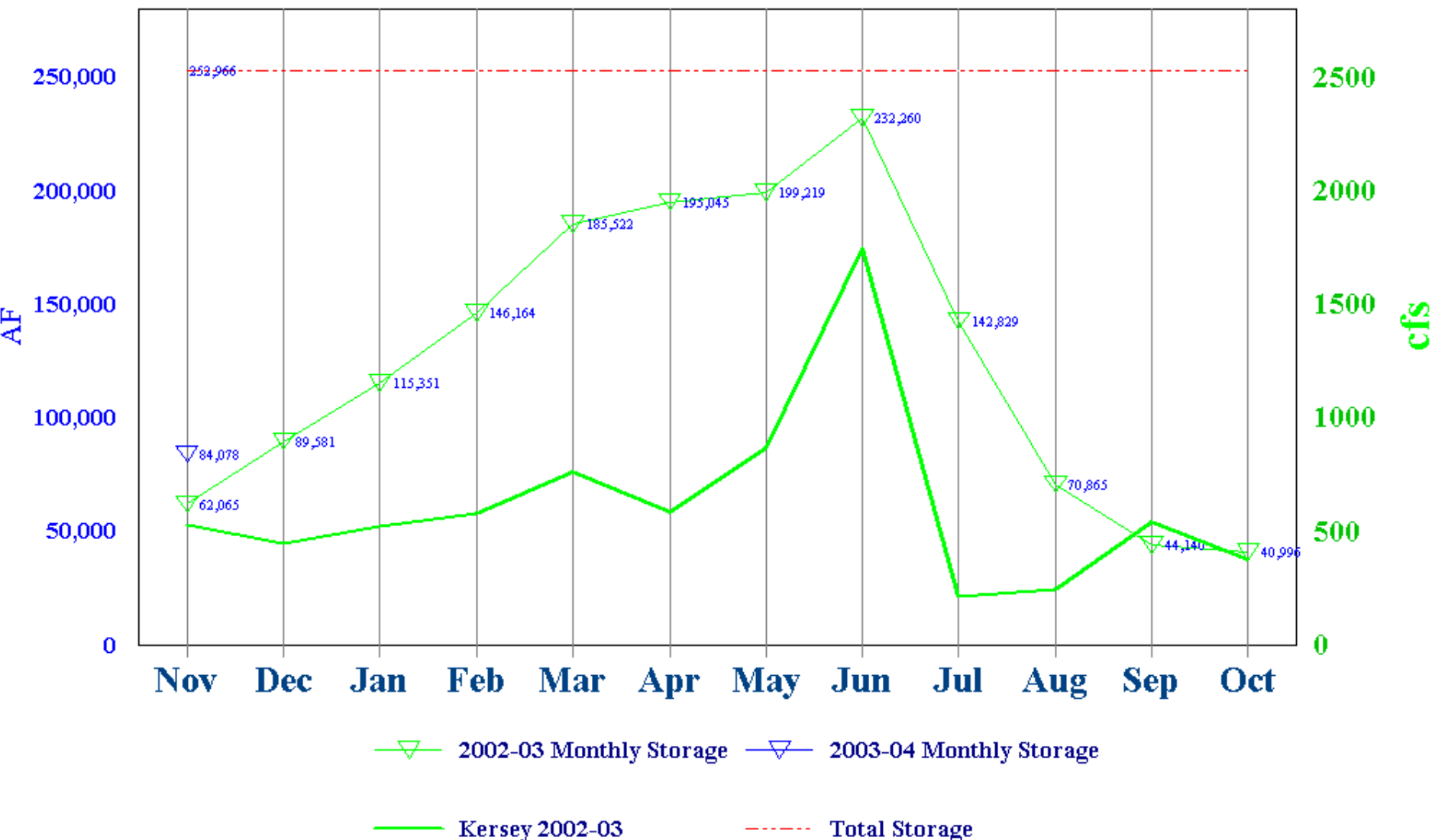
Next 4 slides show Reservoir storage below and above Kersey



Croke Canal Diversion Dam

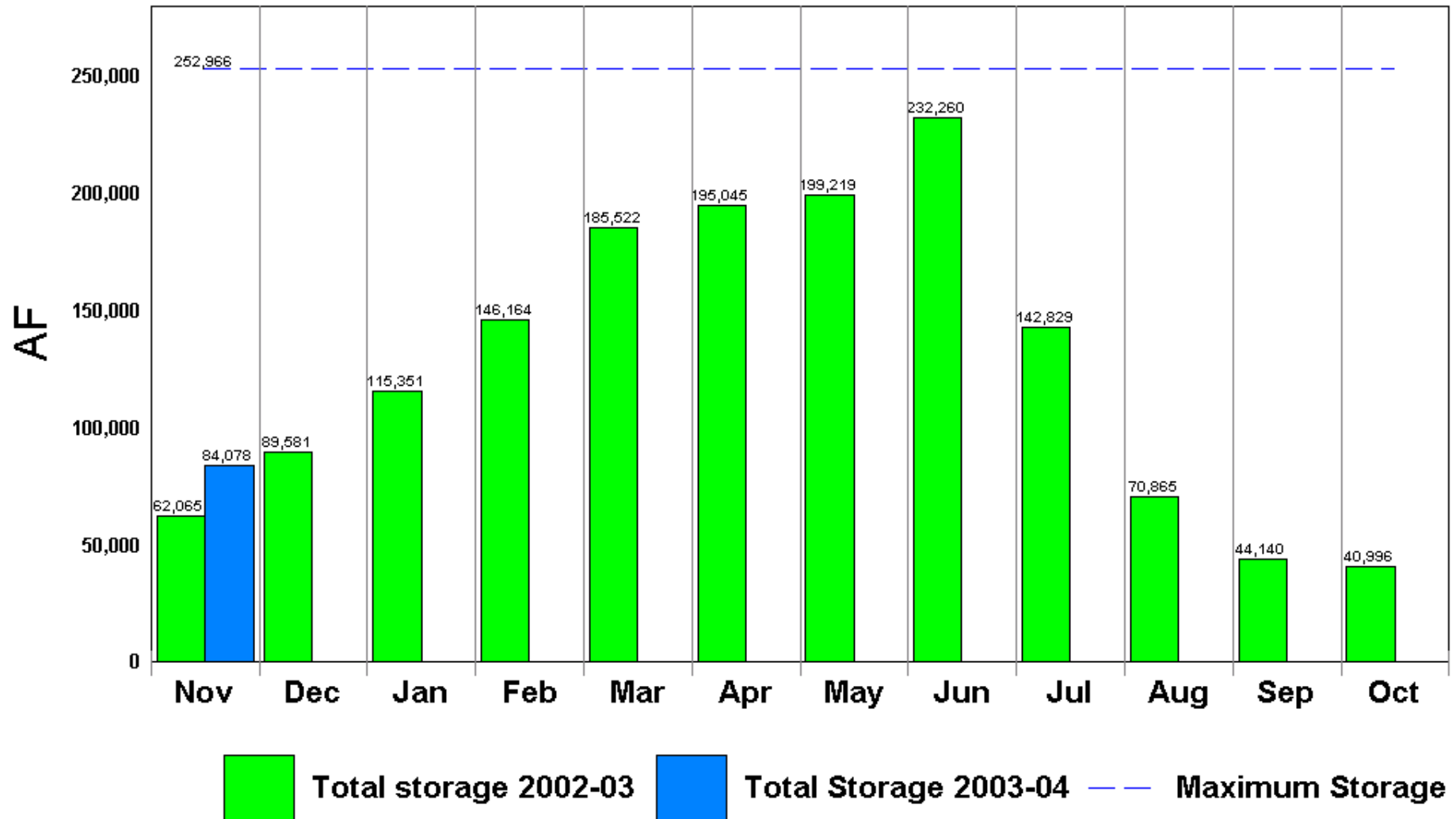
Reservoir Storage below Kersey

Selected Reservoirs*



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

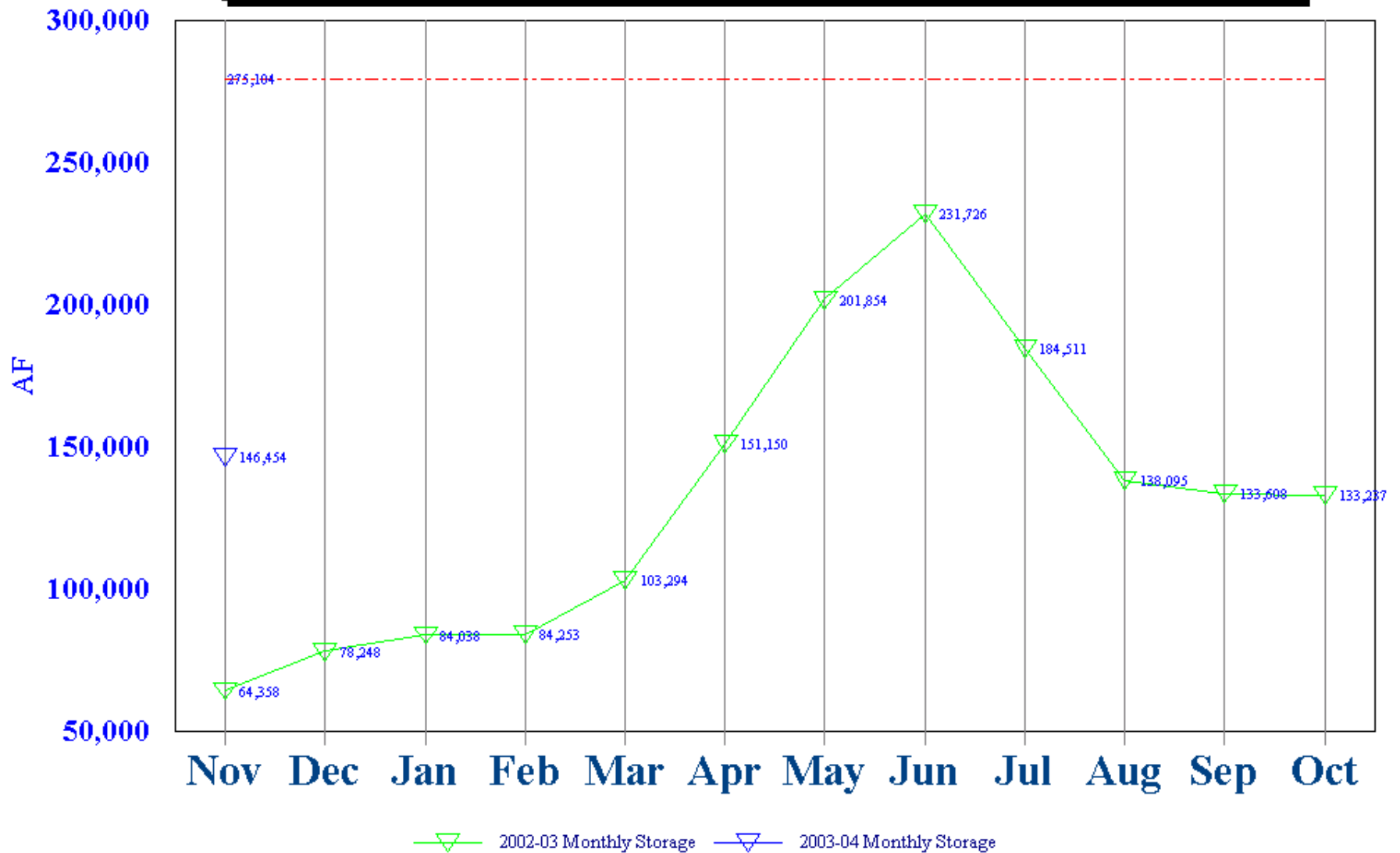
South Platte Reservoirs Storage below Kersey*



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

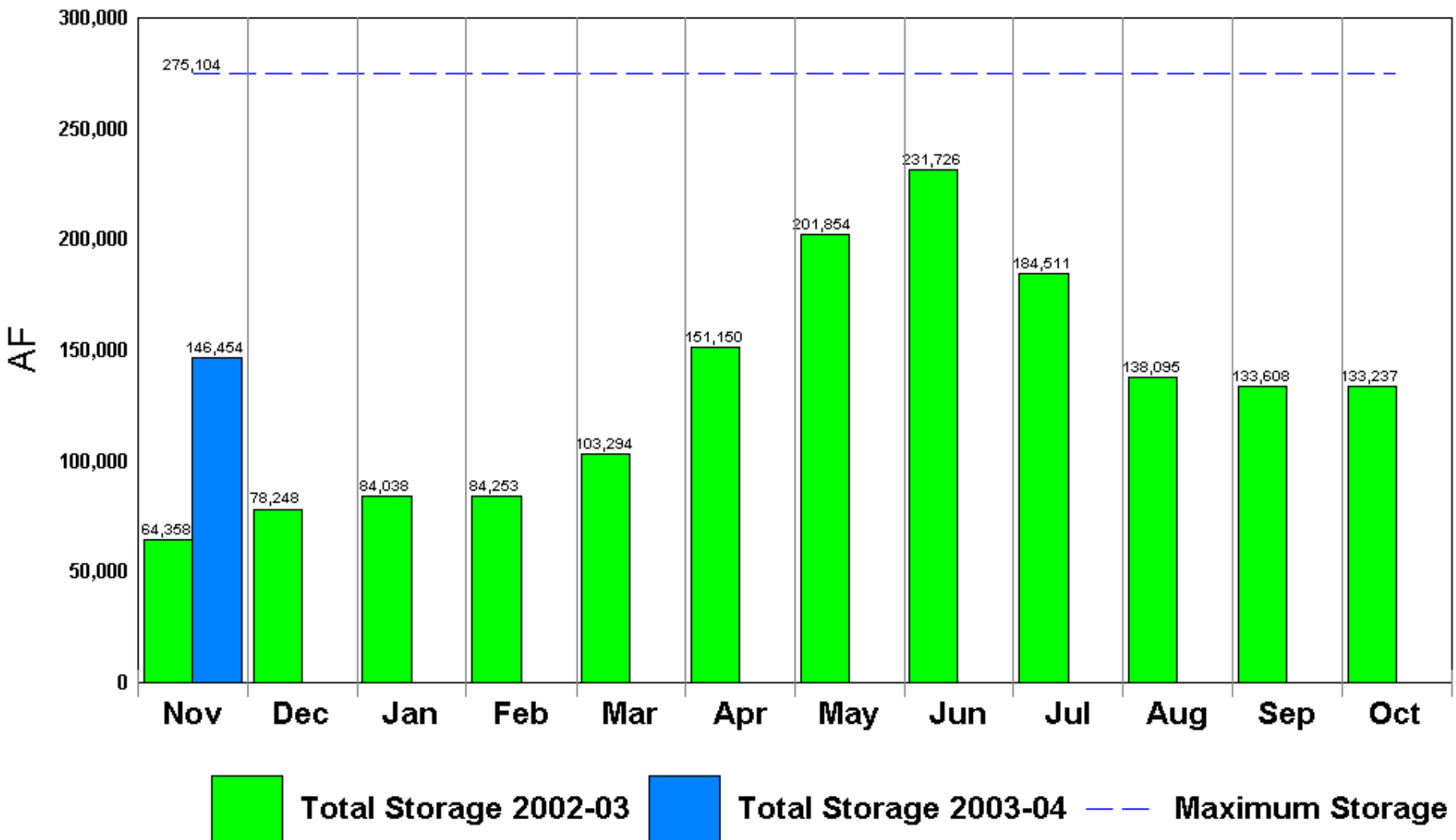
Reservoir Storage above Kersey

Selected Reservoirs*



—▽— 2002-03 Monthly Storage —▽— 2003-04 Monthly Storage

South Platte Reservoirs Storage above Kersey*



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

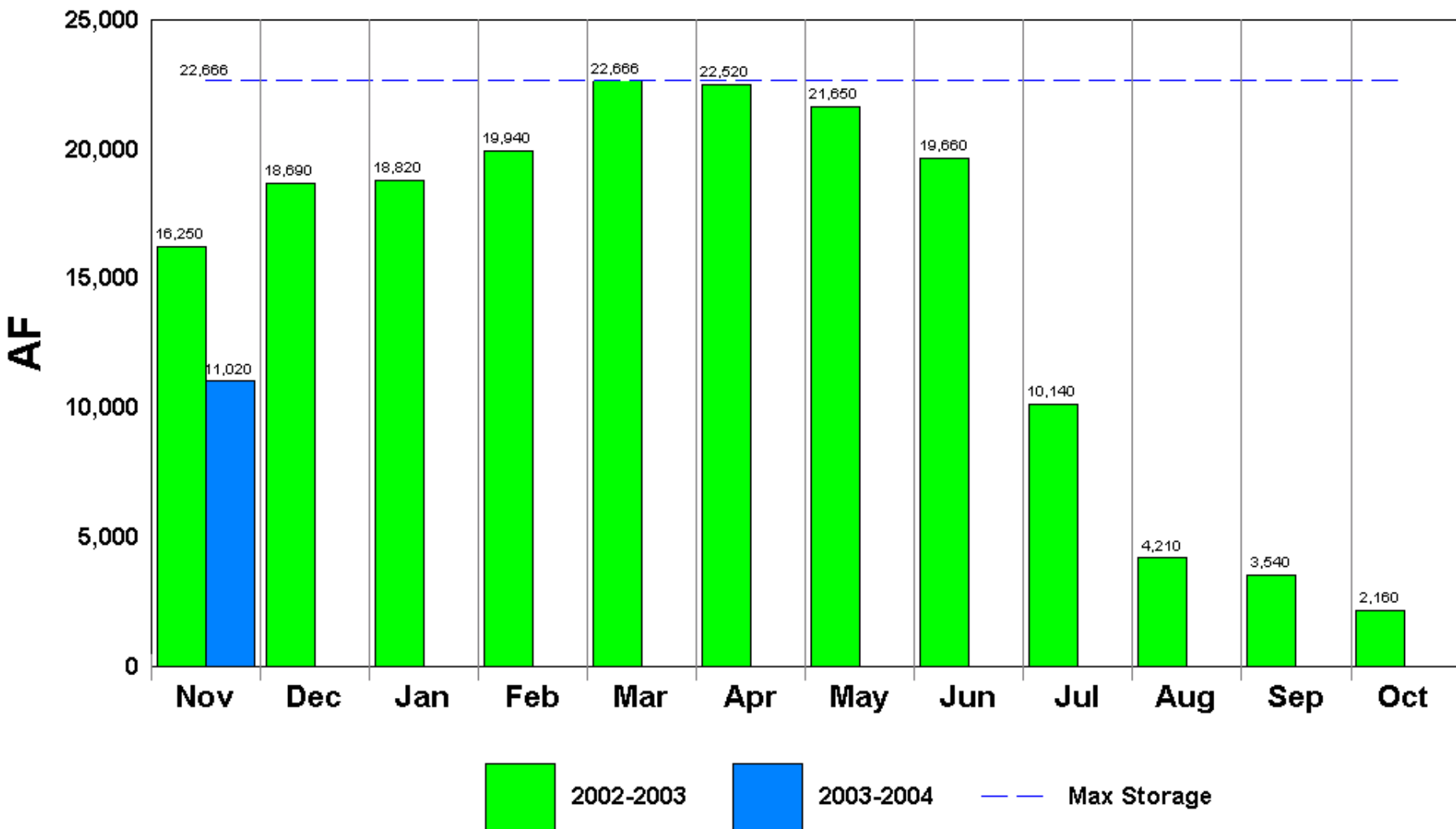
Individual Reservoir Storage follows:



Inlet gates to Croke Canal

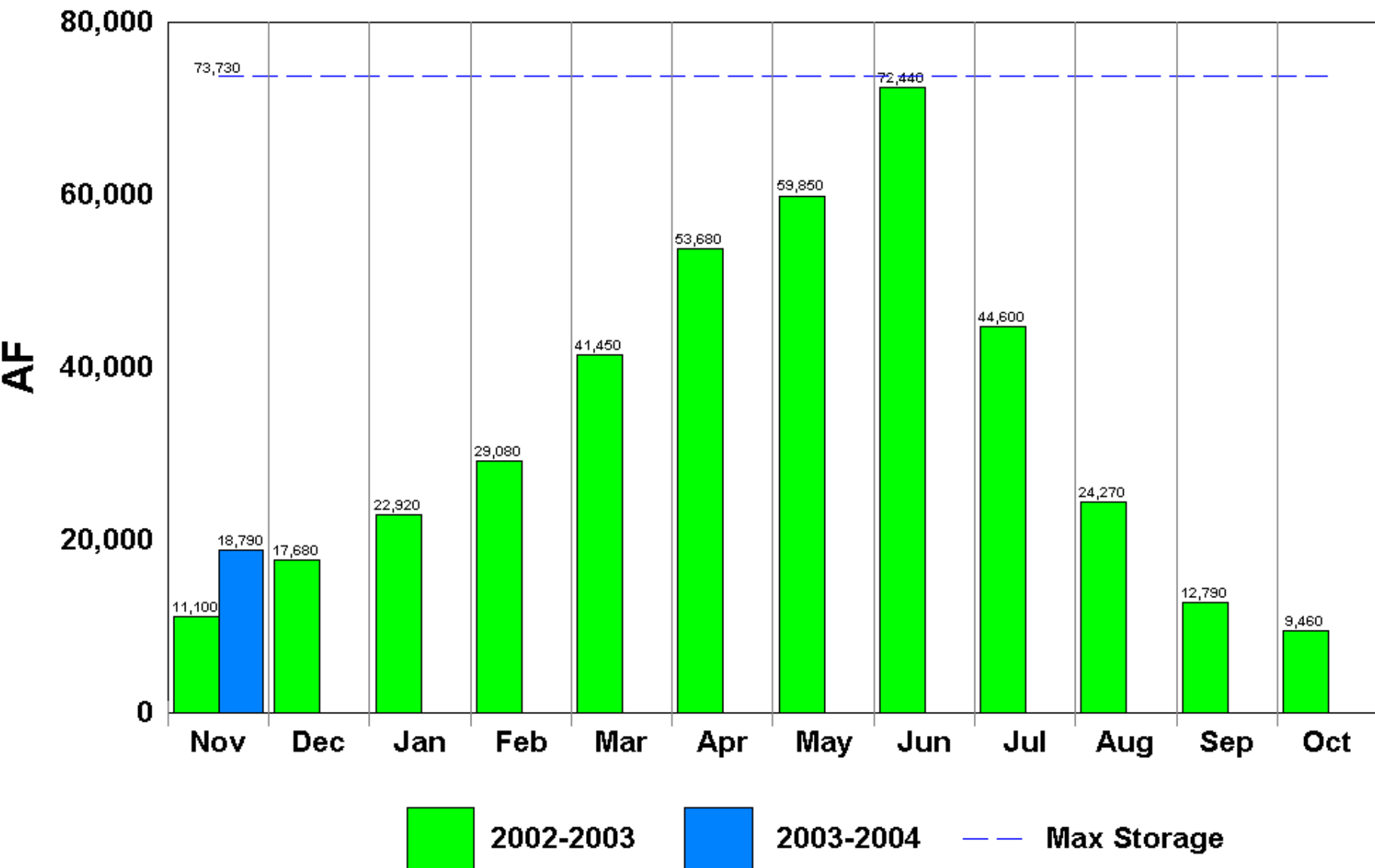
Julesburg Reservoir

(Agricultural)



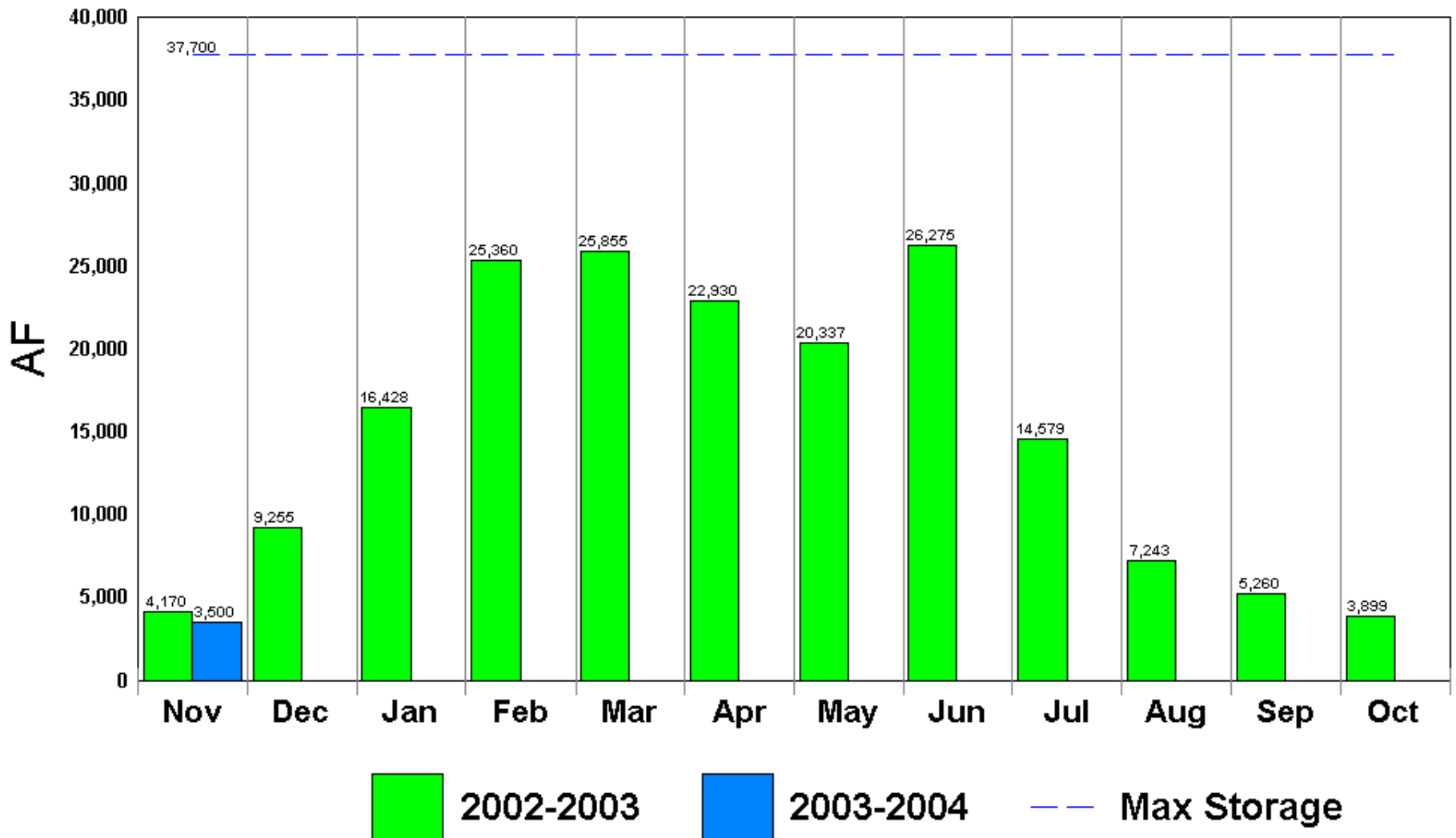
N. Sterling Reservoir

(Agricultural)



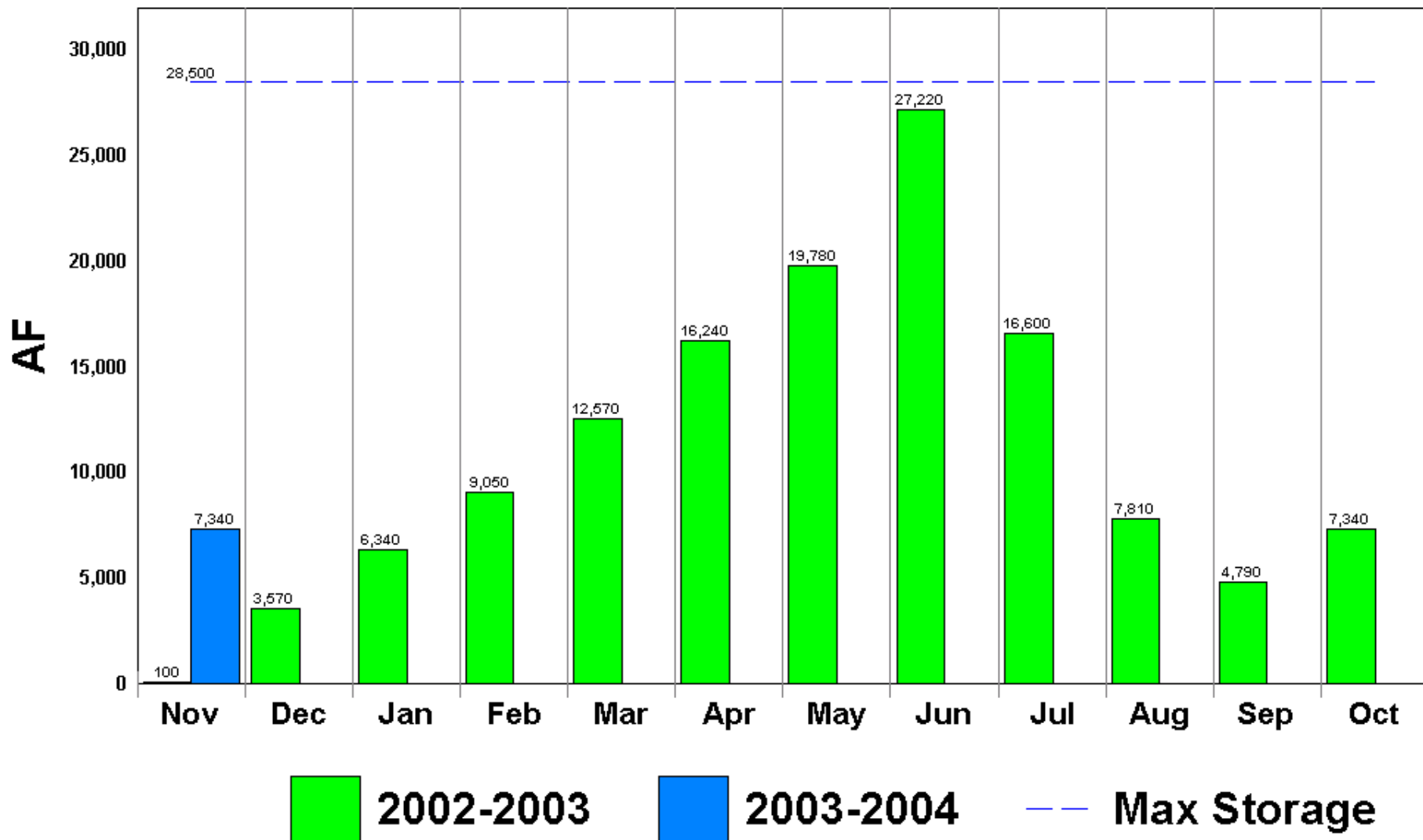
Empire Reservoir

(Agricultural)



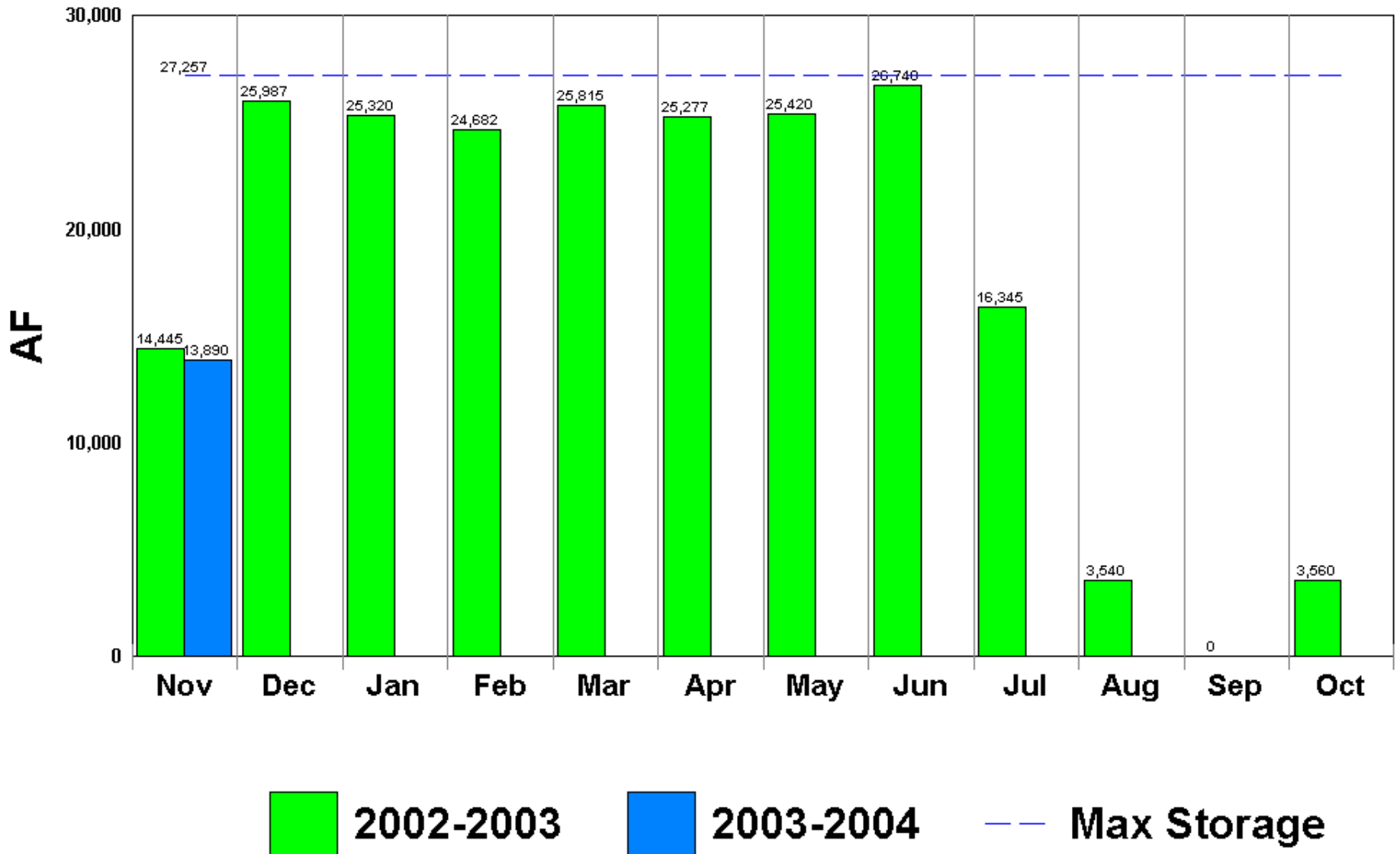
Prewitt Reservoir

(Agricultural)



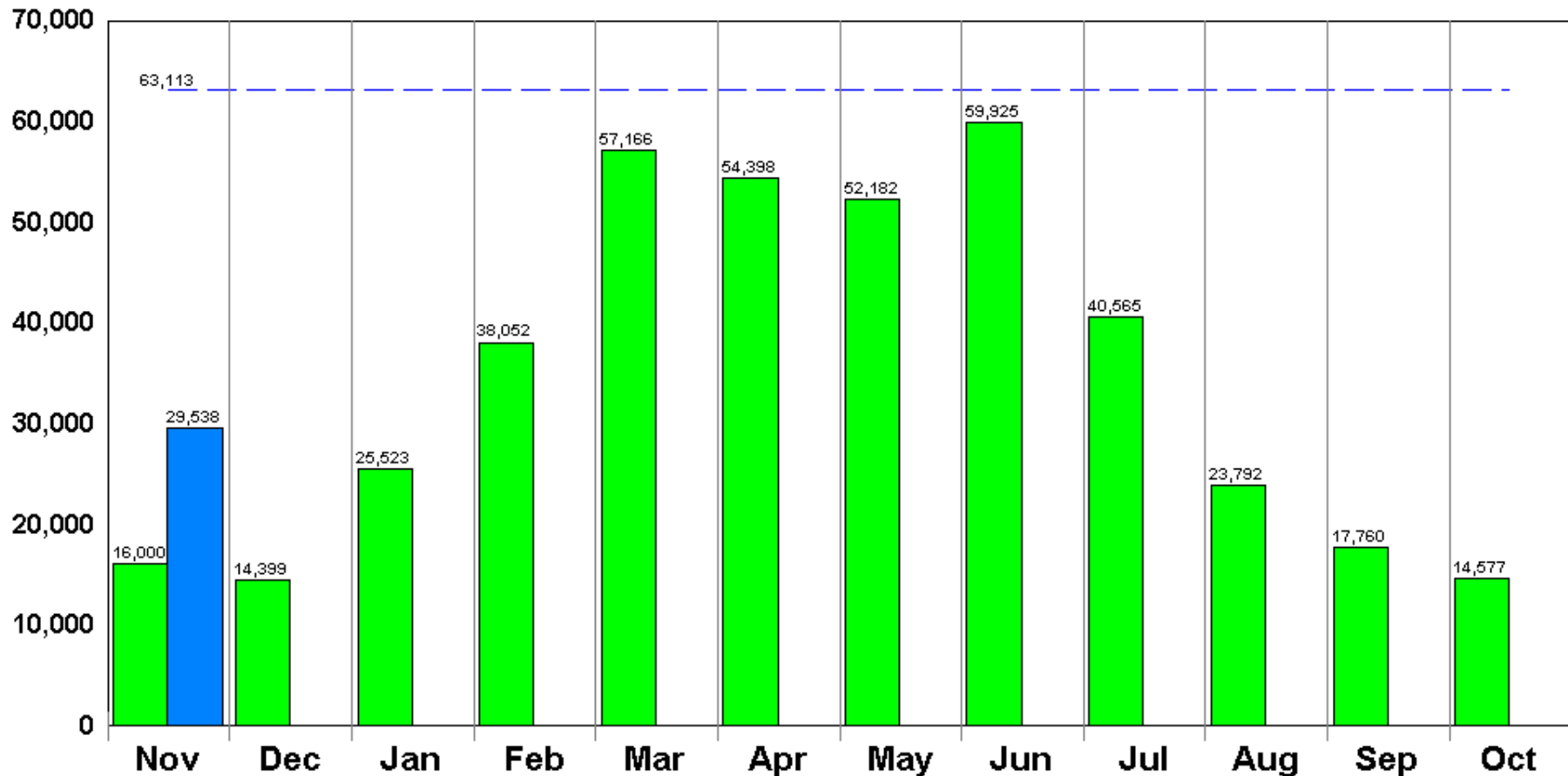
Jackson Reservoir

(Agricultural)



Riverside Reservoir

(Agricultural)



2002-2003



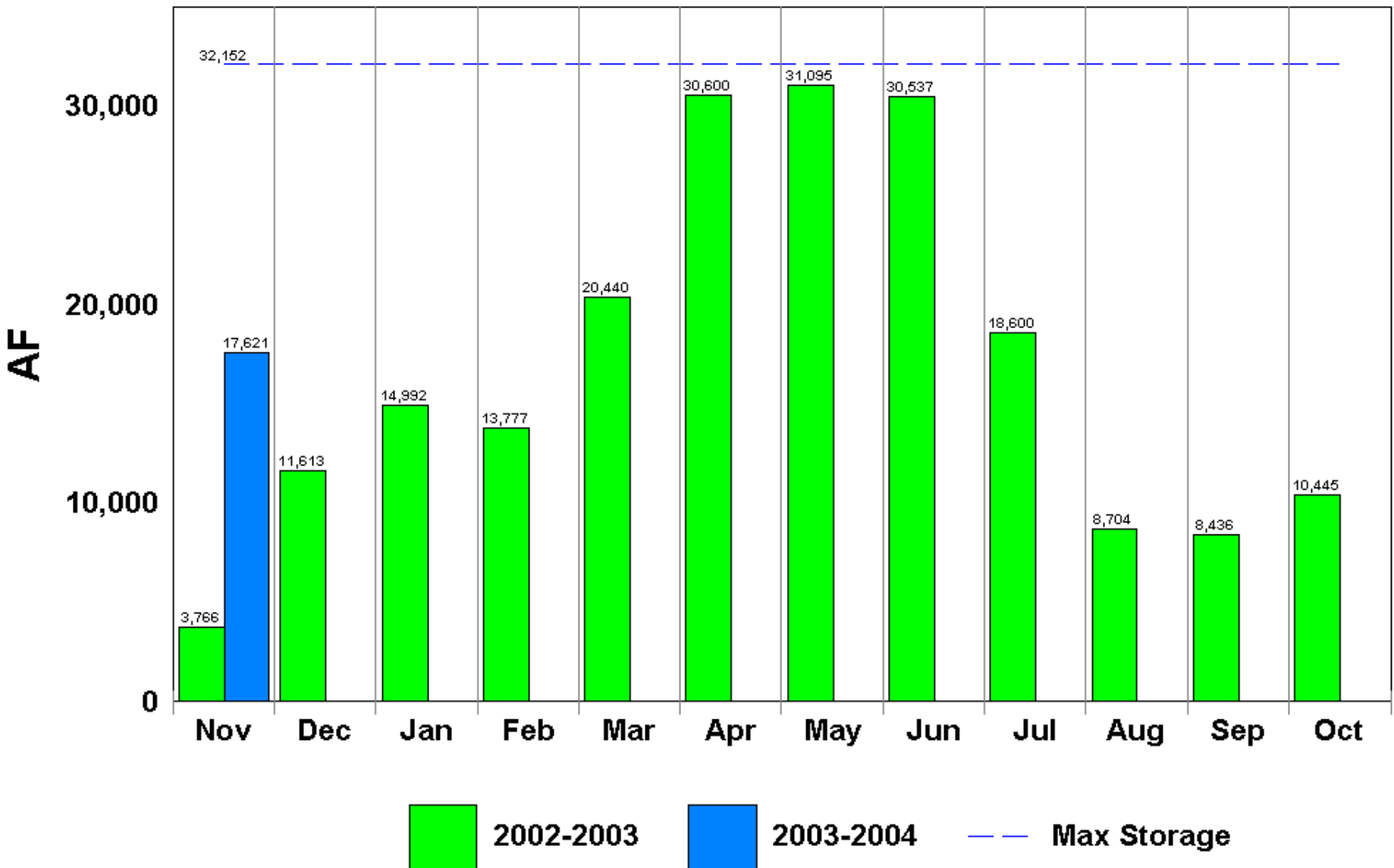
2003-2004



Max Storage

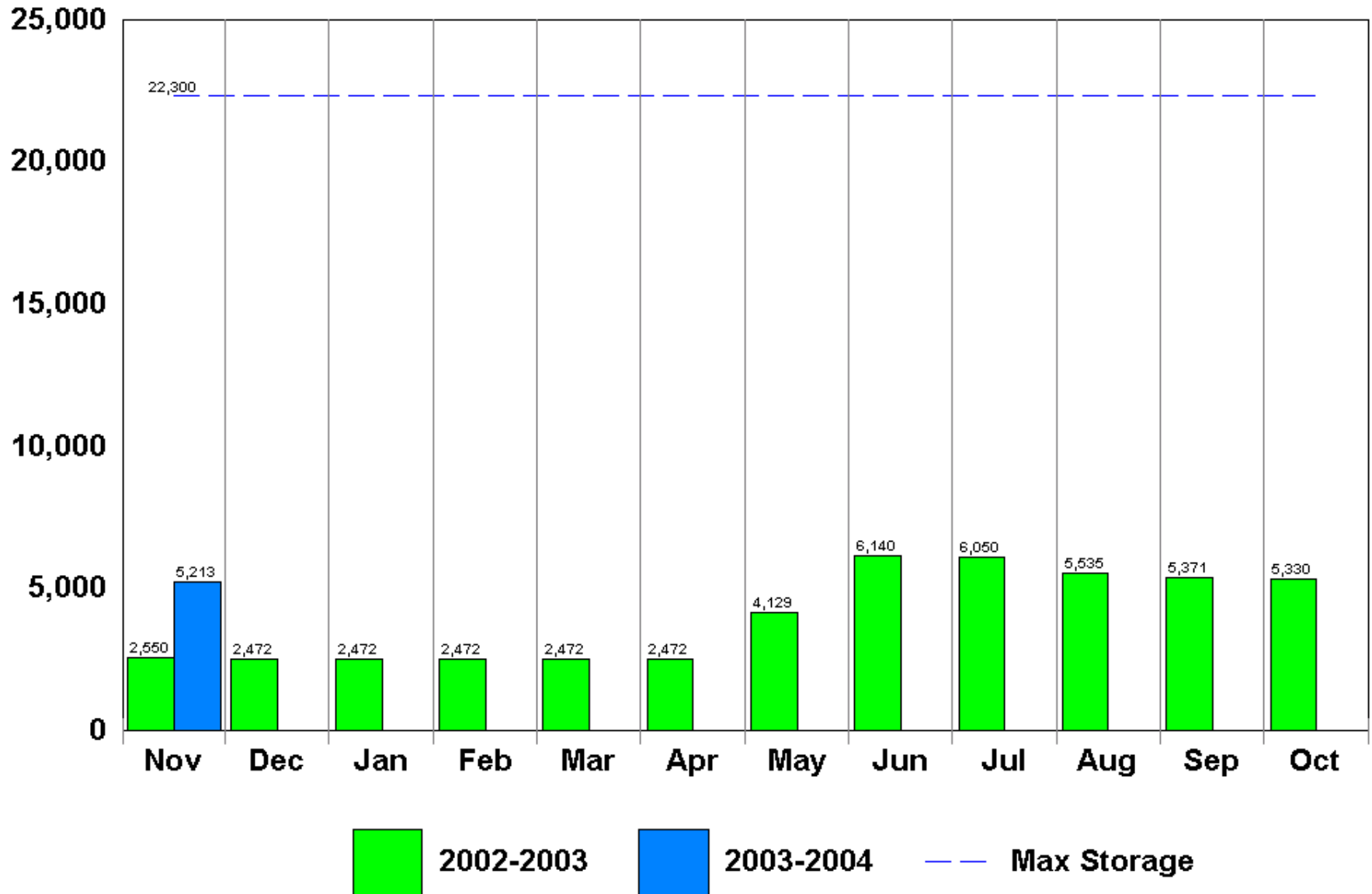
Barr Lake

(Agricultural)



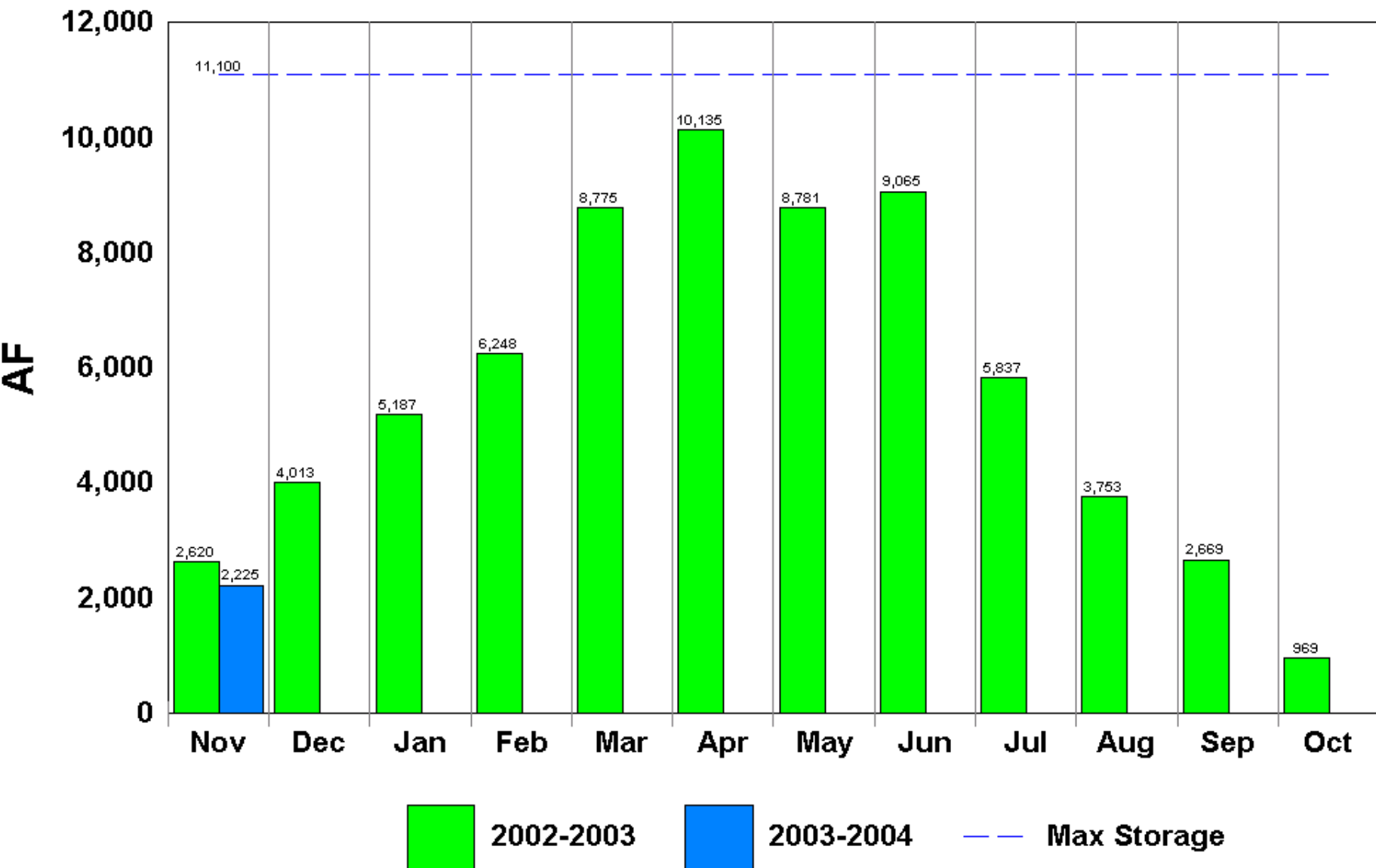
Cobb Lake

(Agricultural)



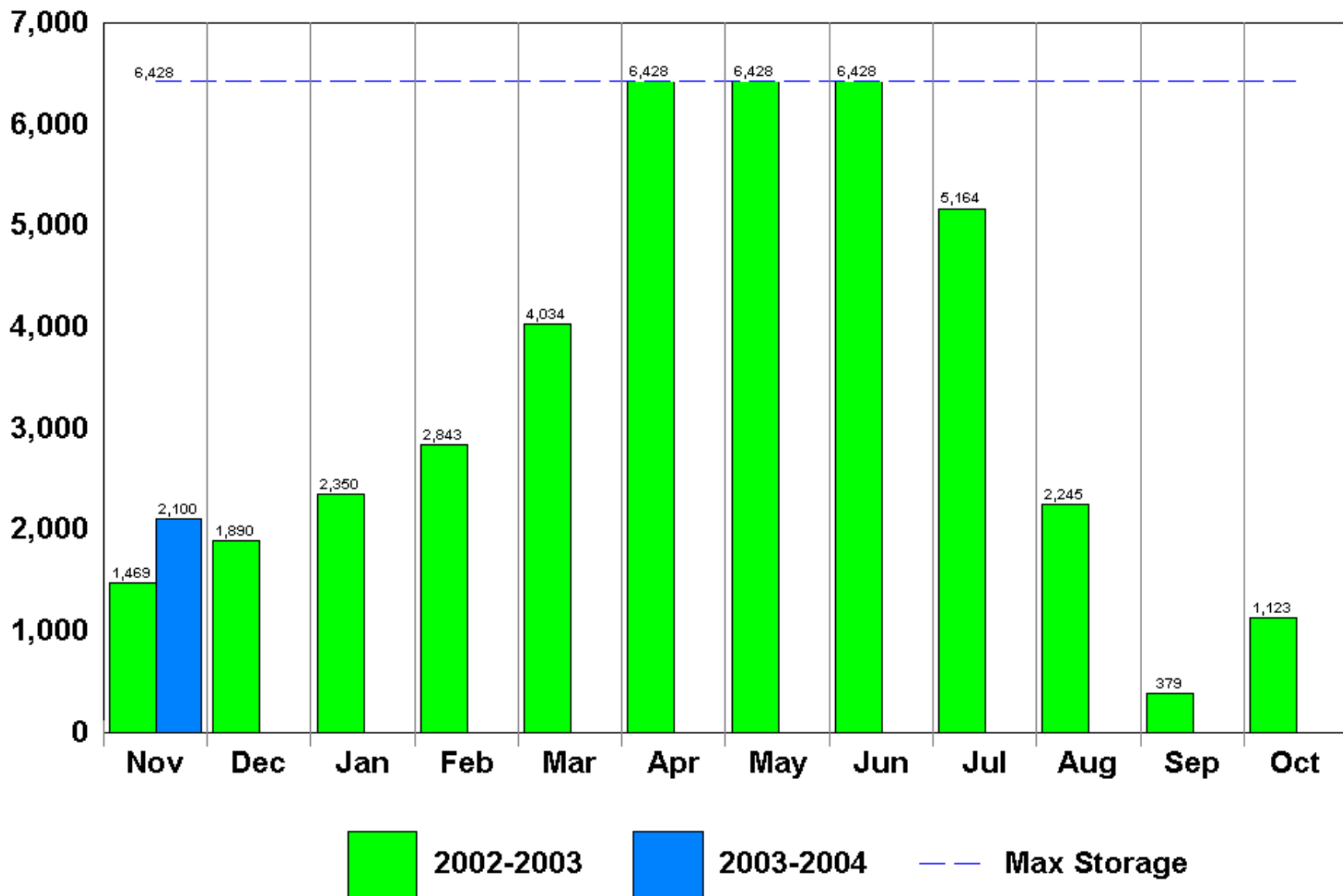
Fossil Creek Reservoir

(Agricultural)



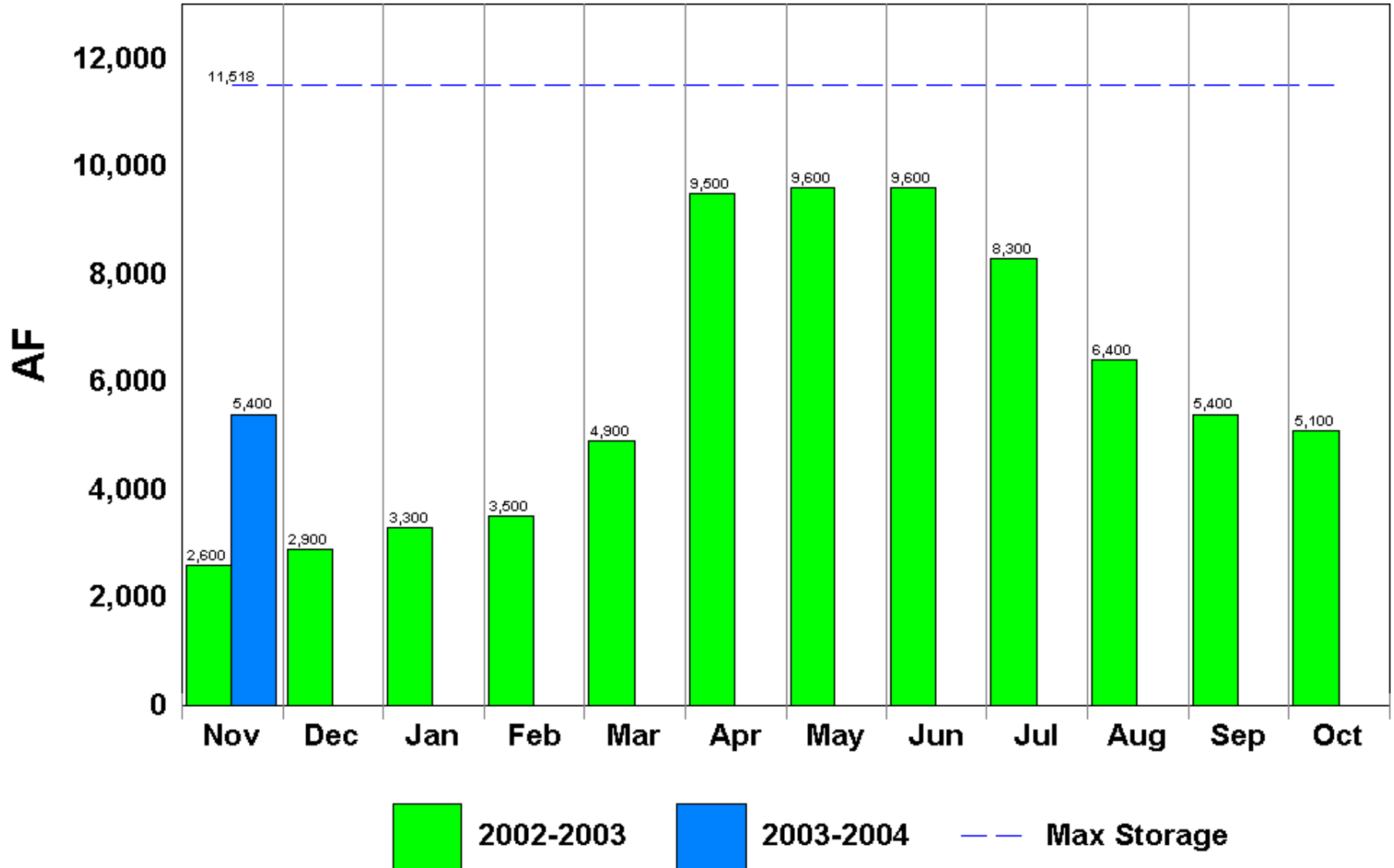
Halligan Reservoir

(Agricultural)



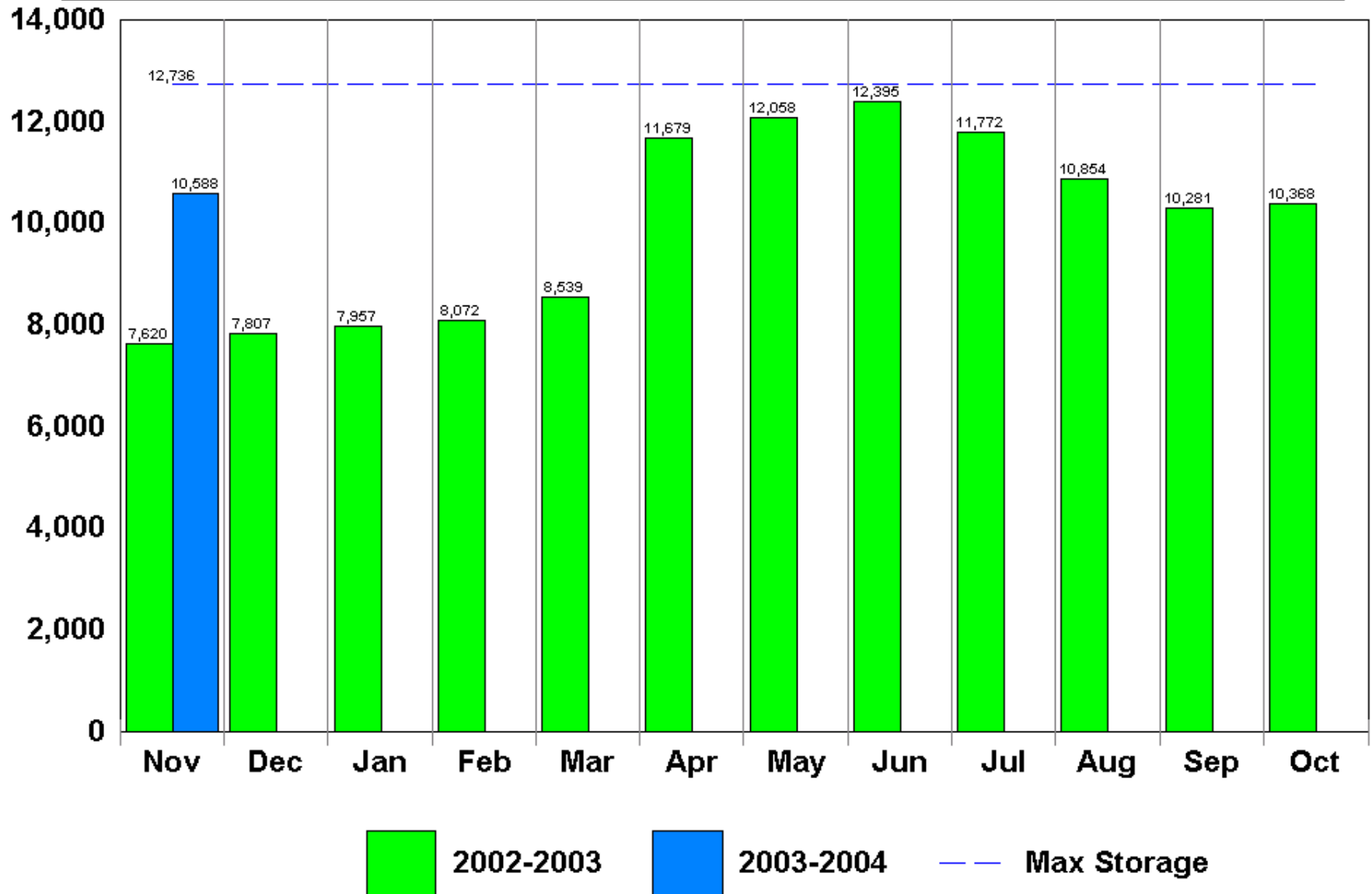
Marshall Lake

(Agricultural)



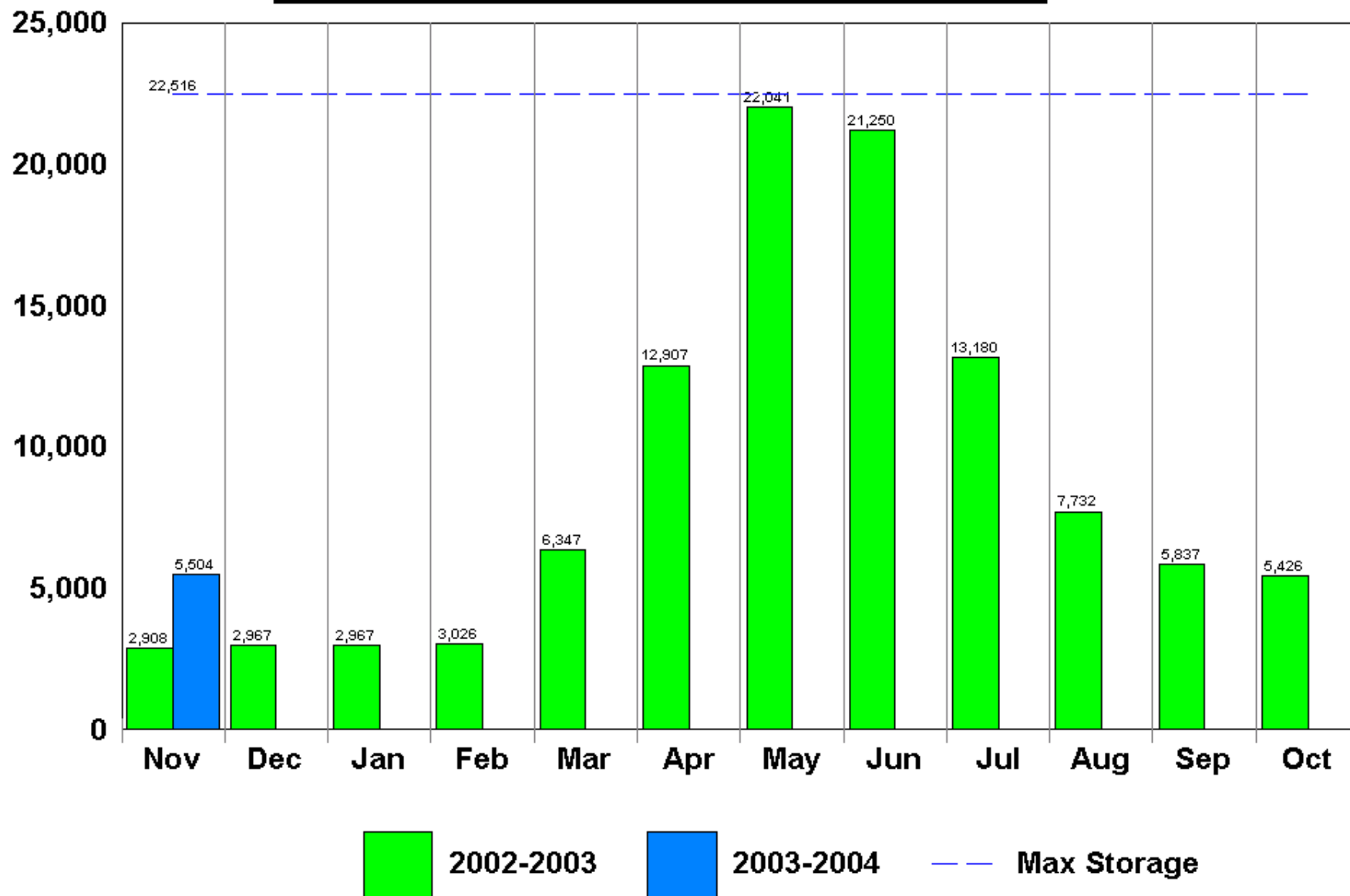
Loveland Greeley Reservoir

(Agricultural)



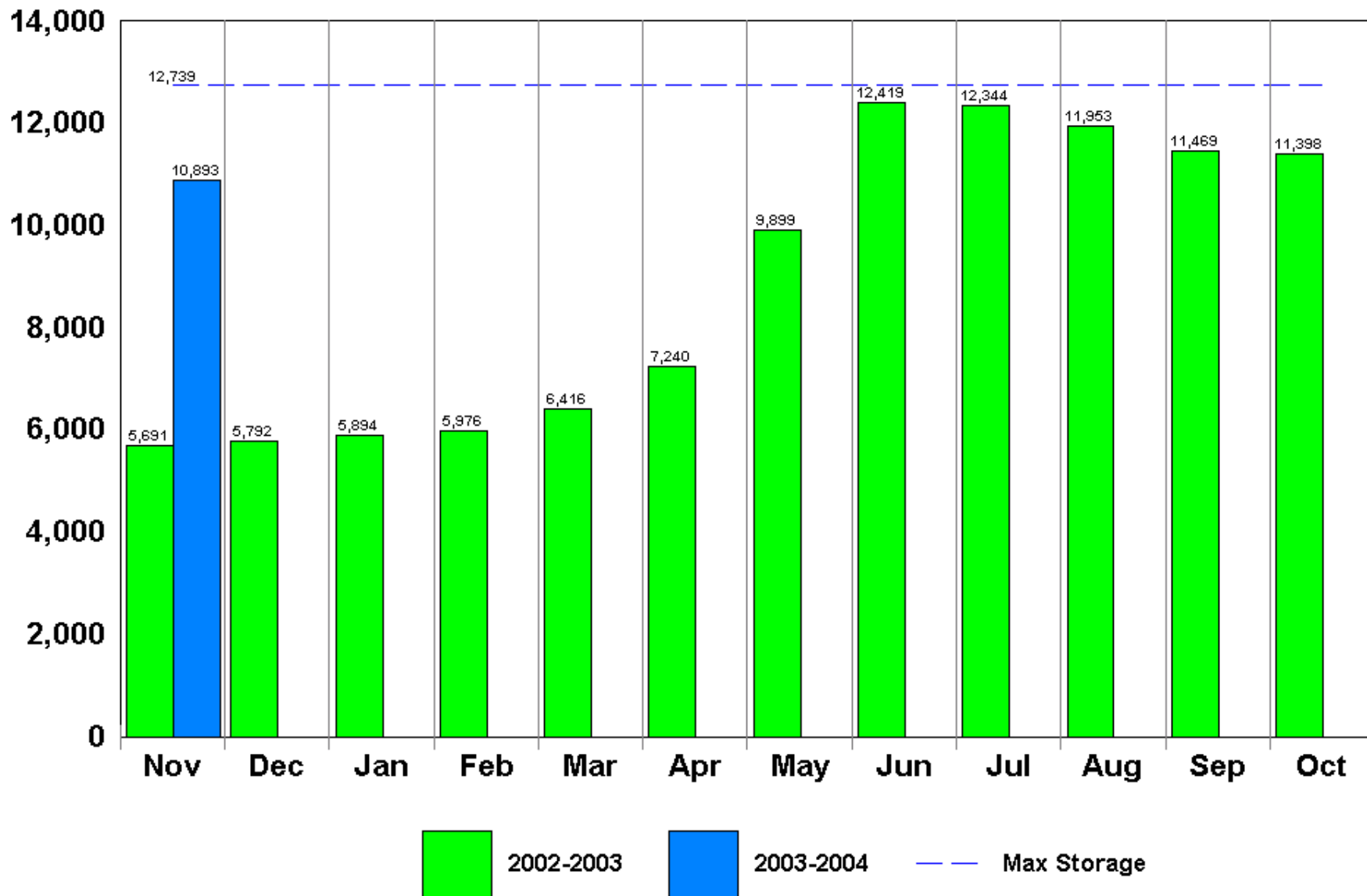
Milton Reservoir

(Agricultural)



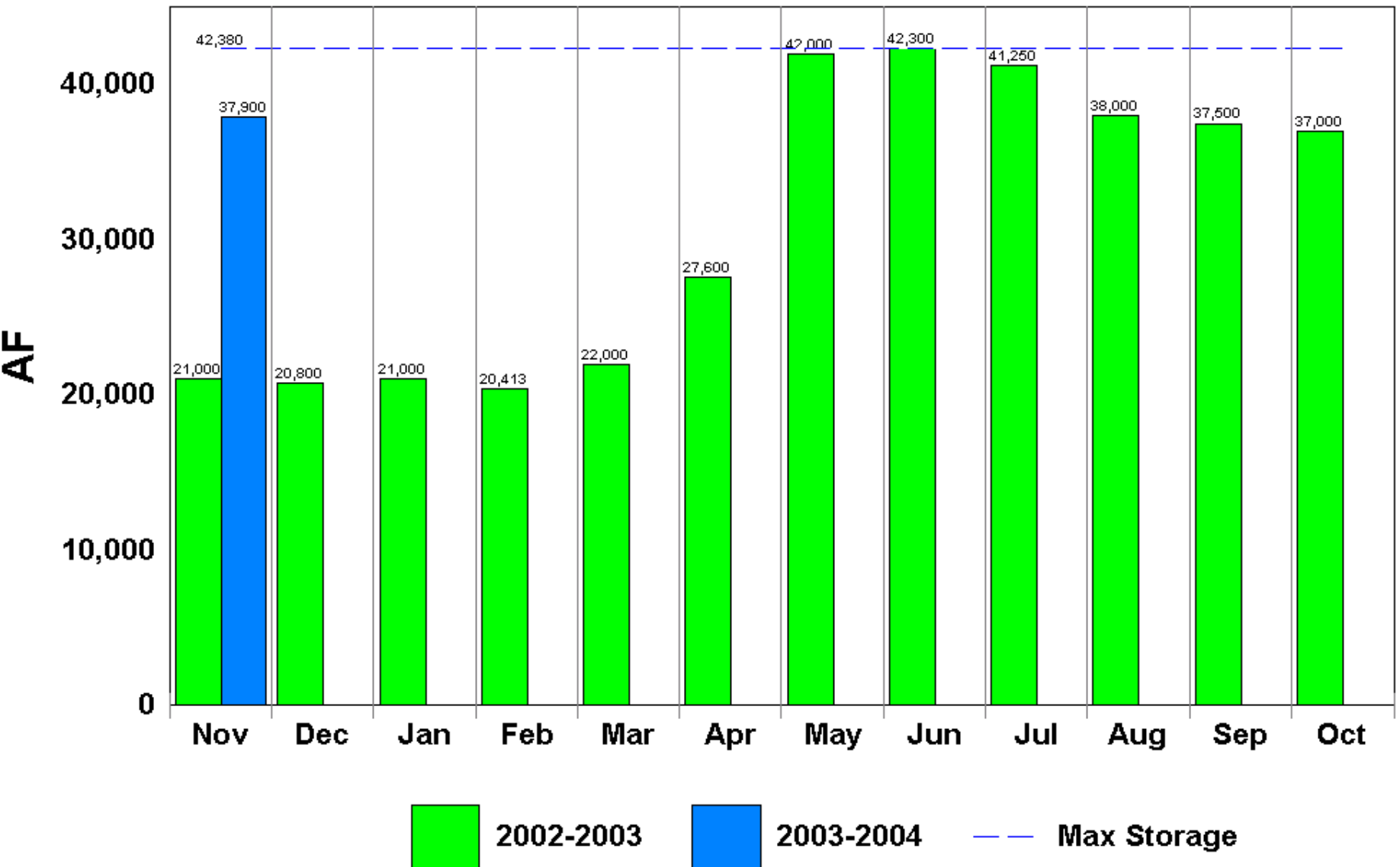
Union Reservoir

(Agricultural)



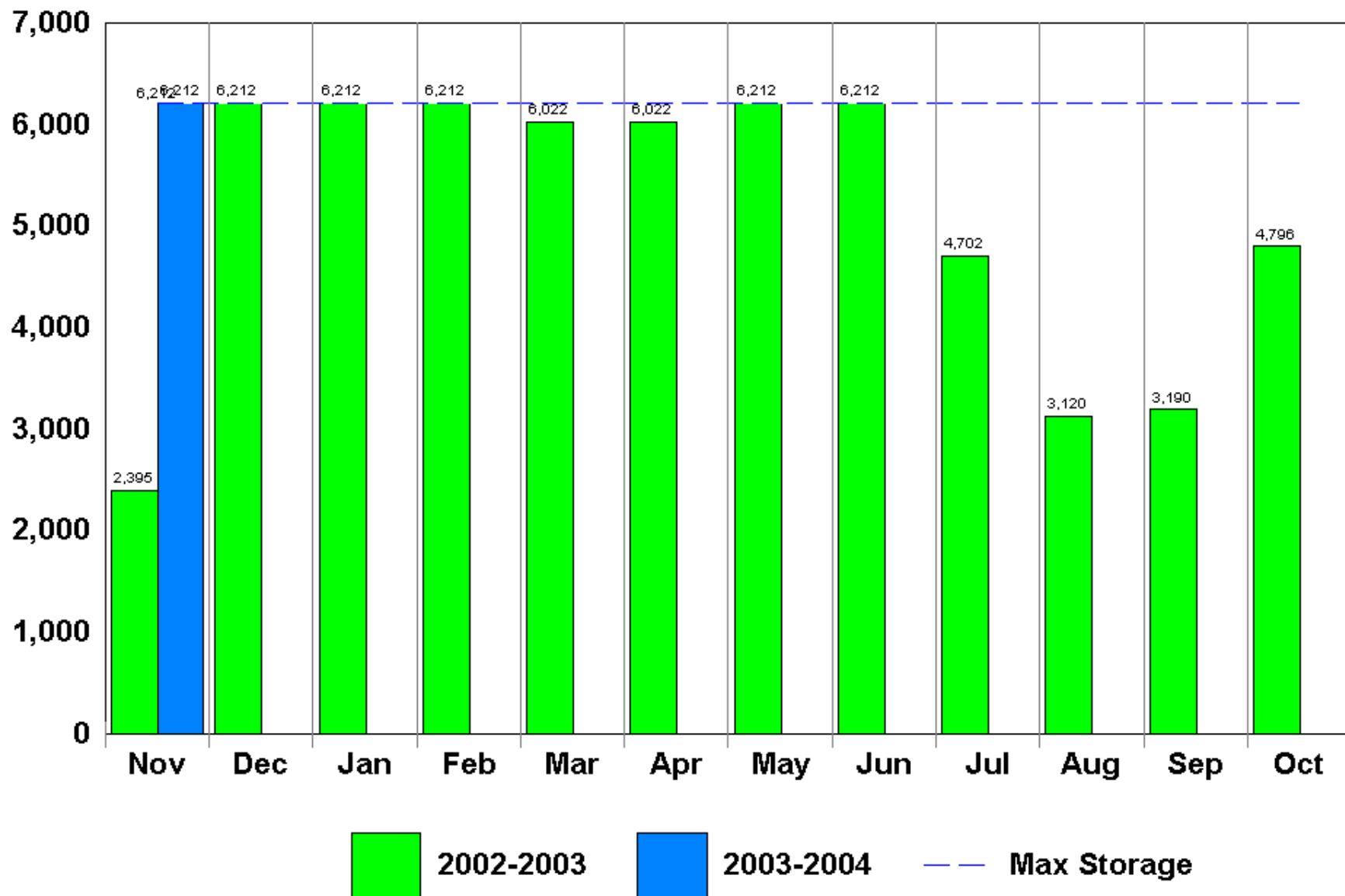
Standley Lake

(Agricultural)



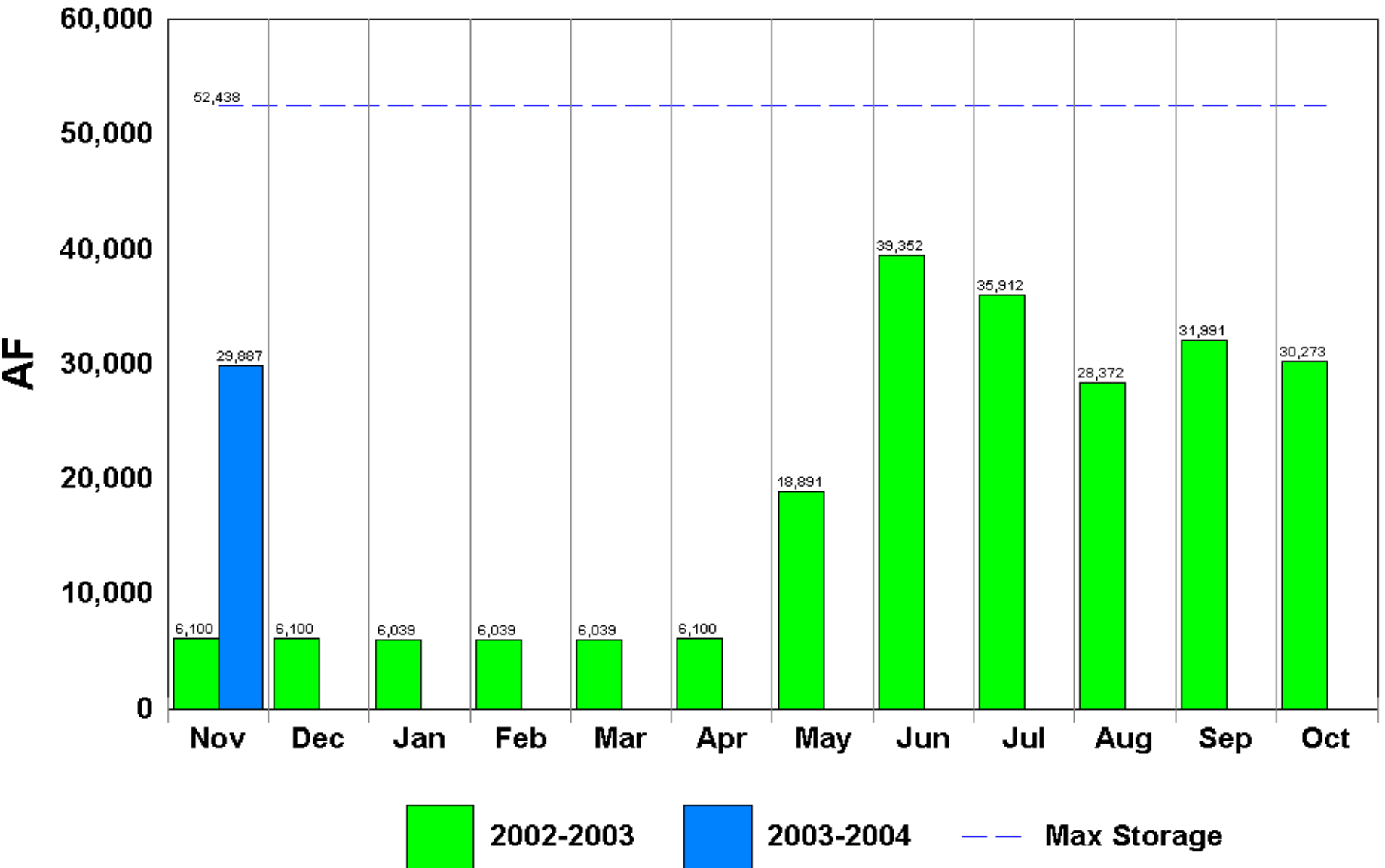
Lower Latham Reservoir

(Agricultural)



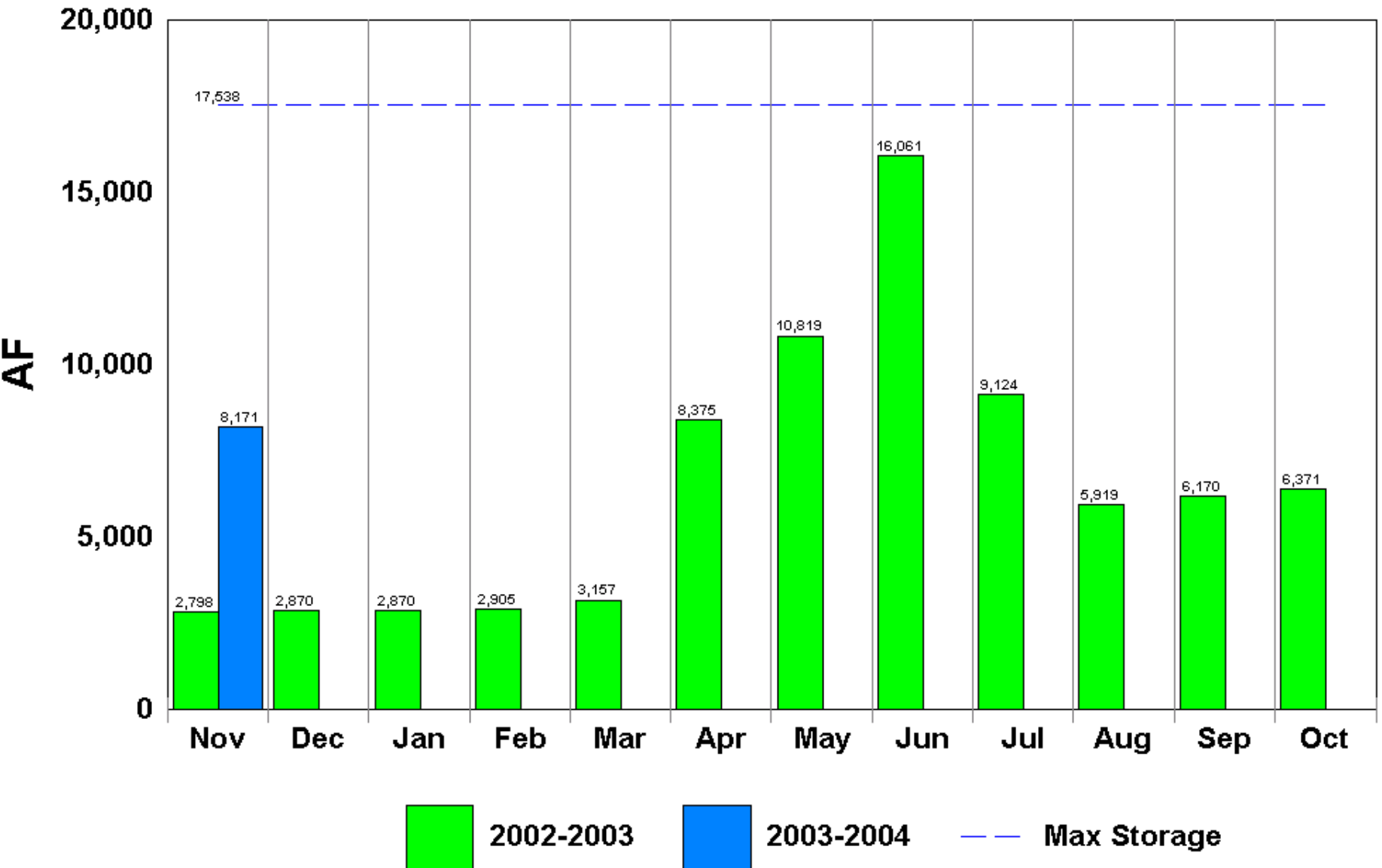
Boyd Lake

(Agricultural)



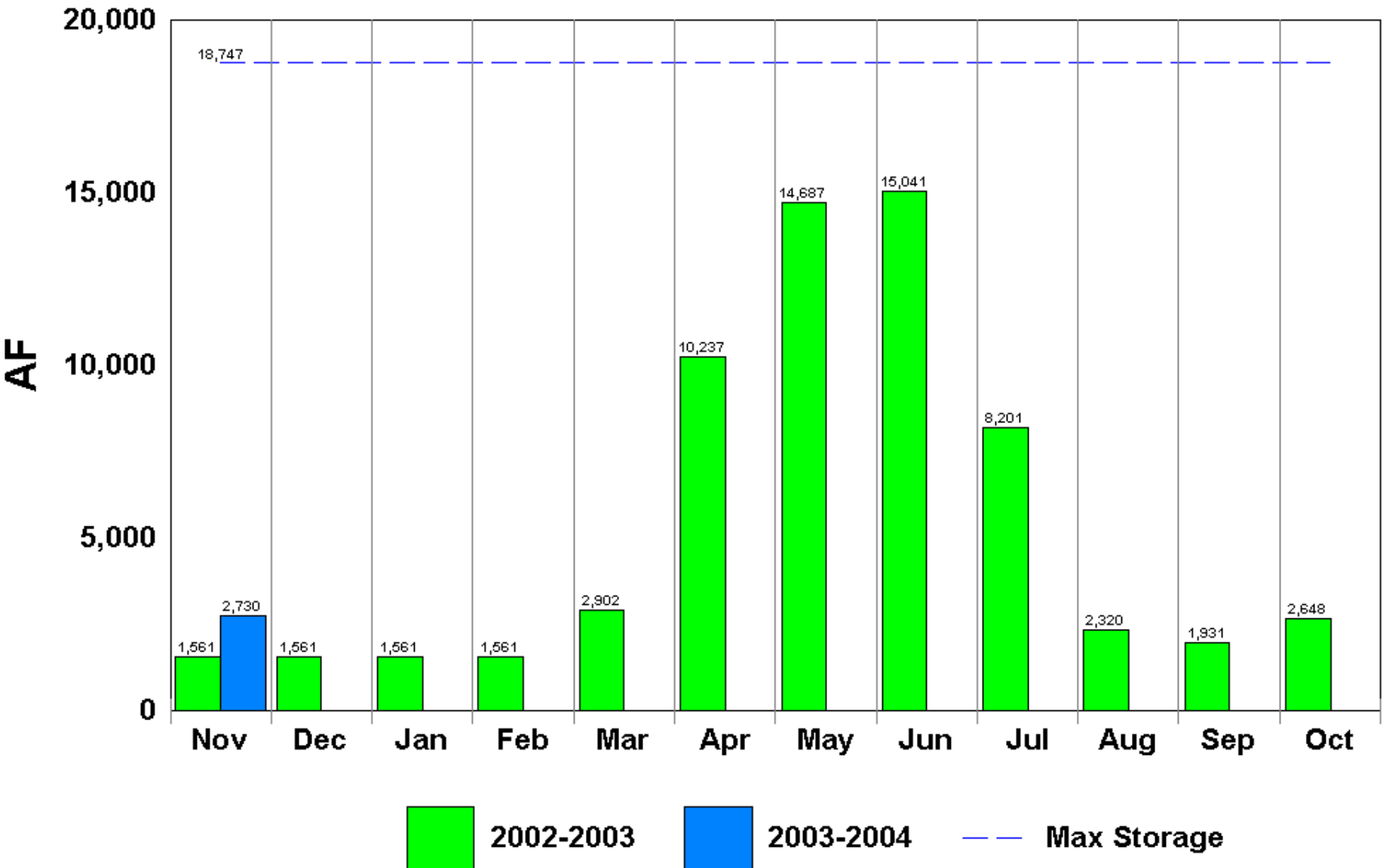
Windsor Reservoir

(Agricultural)



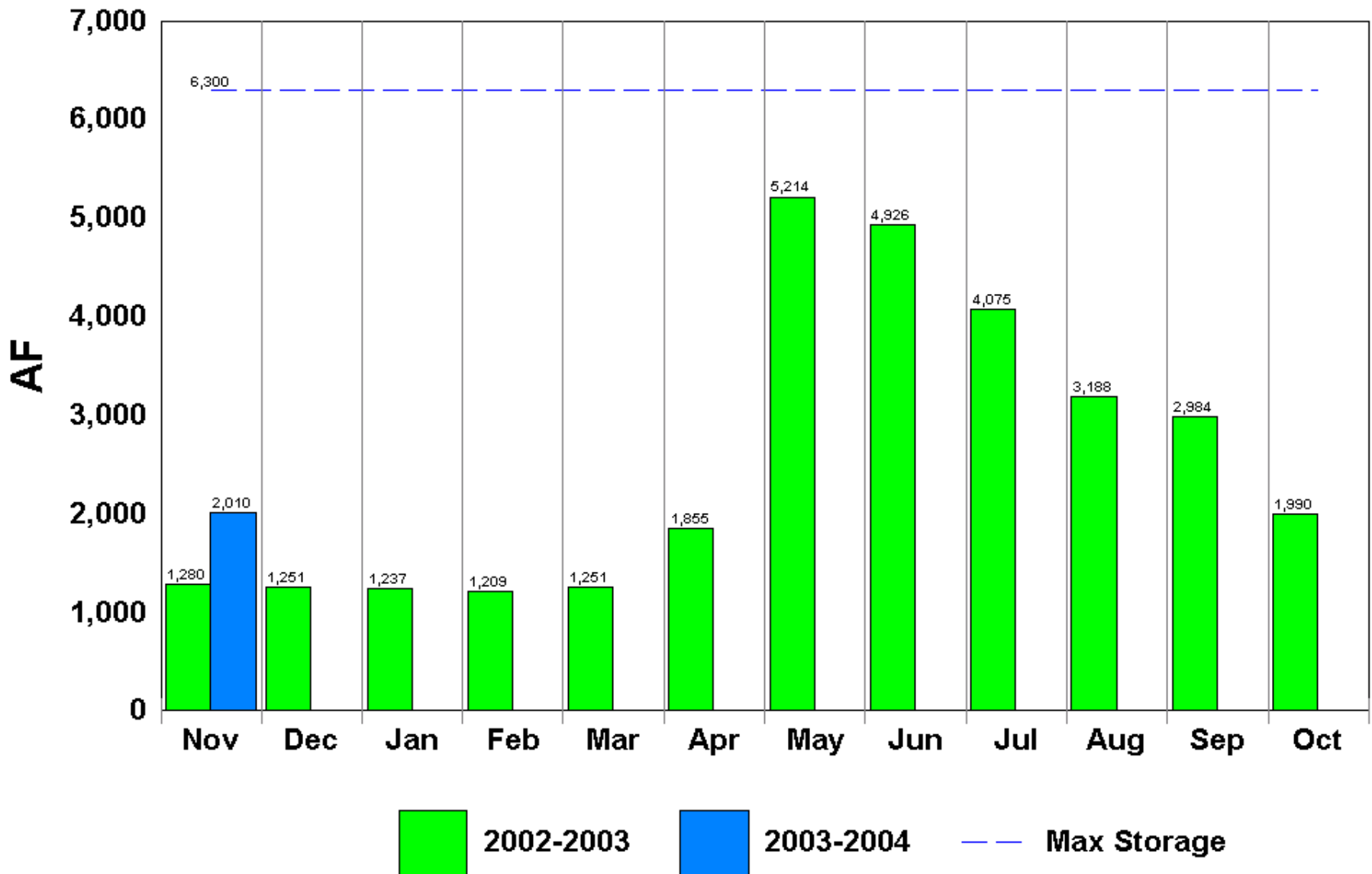
Horse Creek Reservoir

(Agricultural)



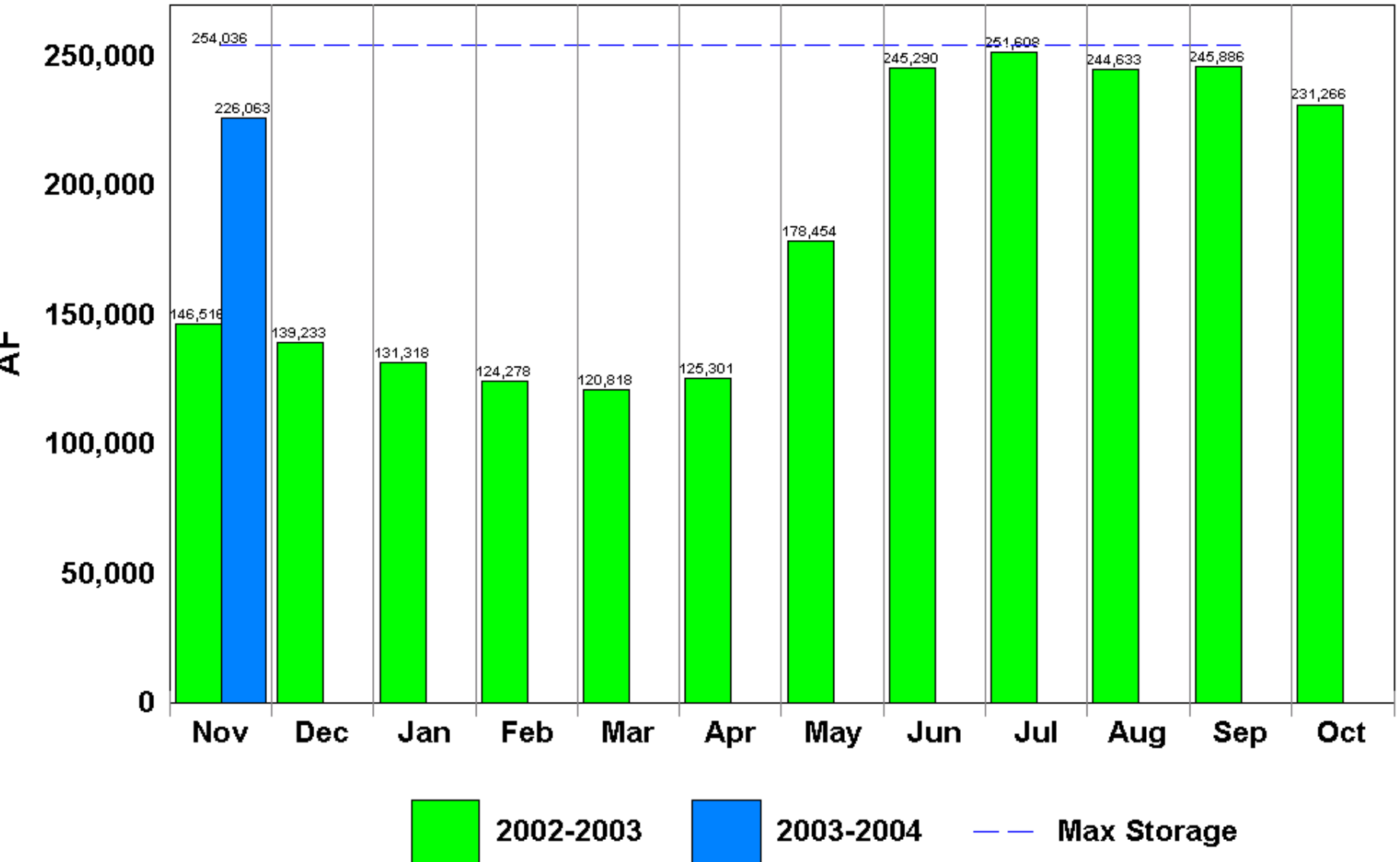
Prospect Reservoir

(Agricultural)



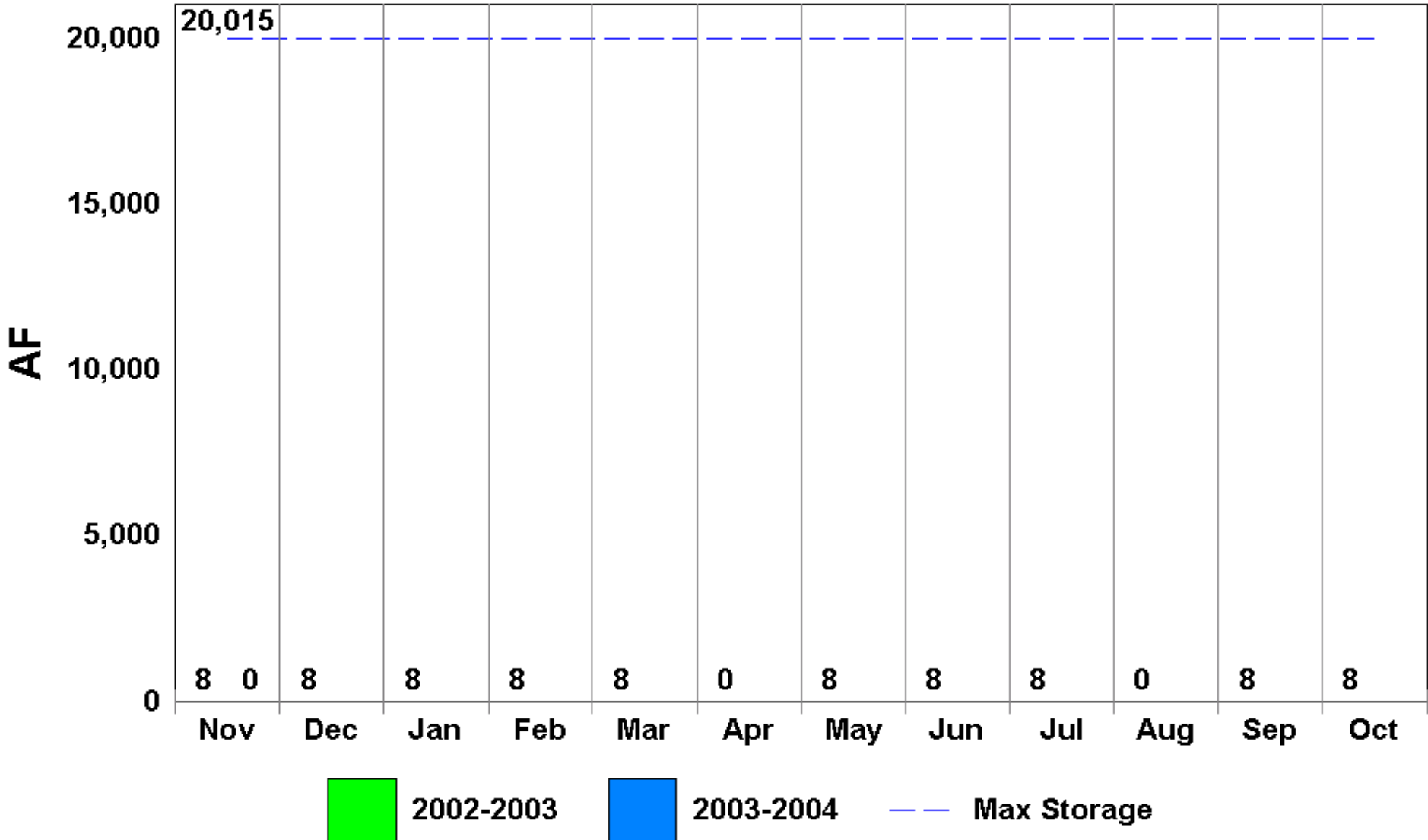
Dillon Reservoir

(Municipal)



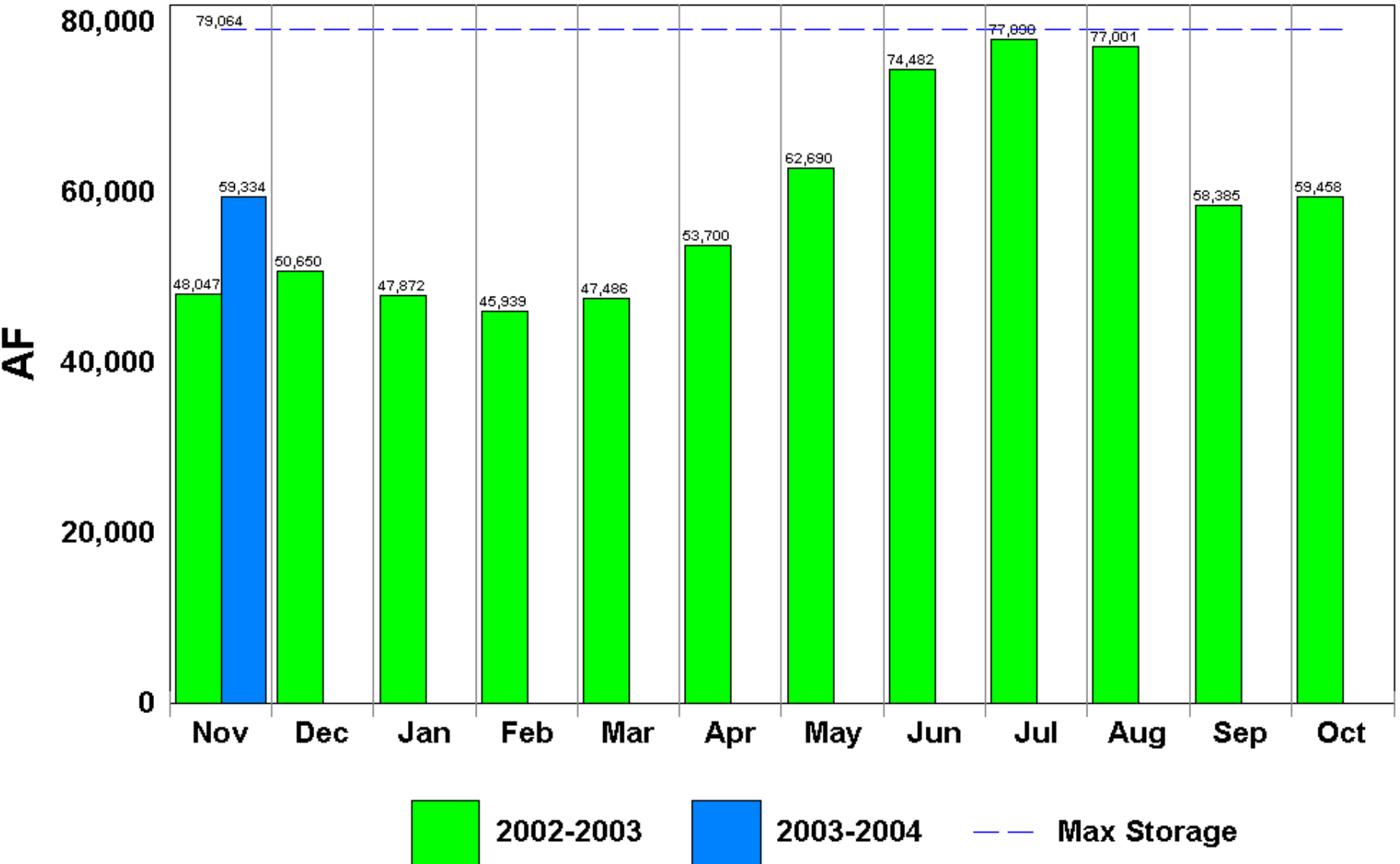
Antero Reservoir

(Municipal)



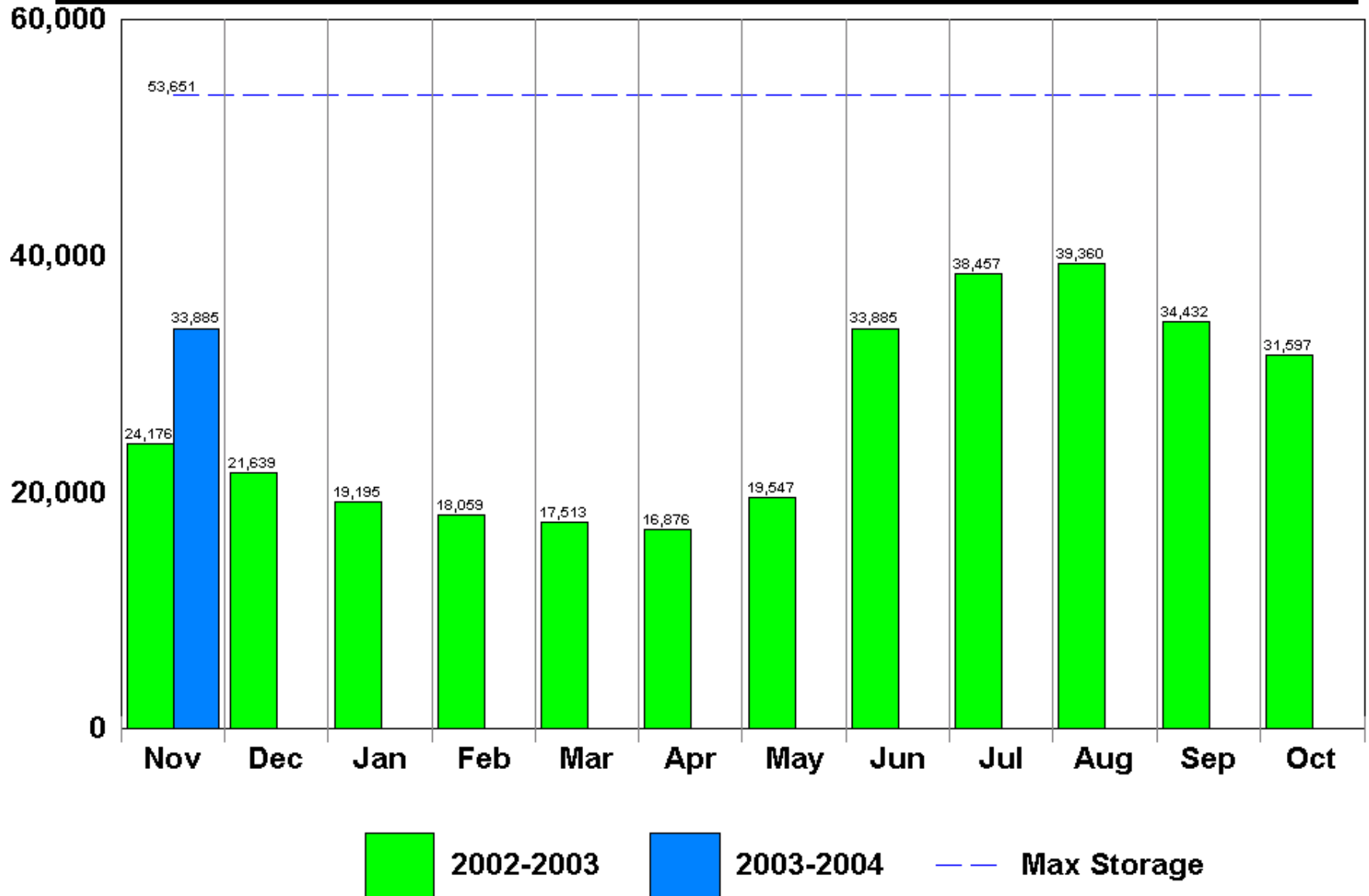
Cheesman Reservoir

(Municipal)



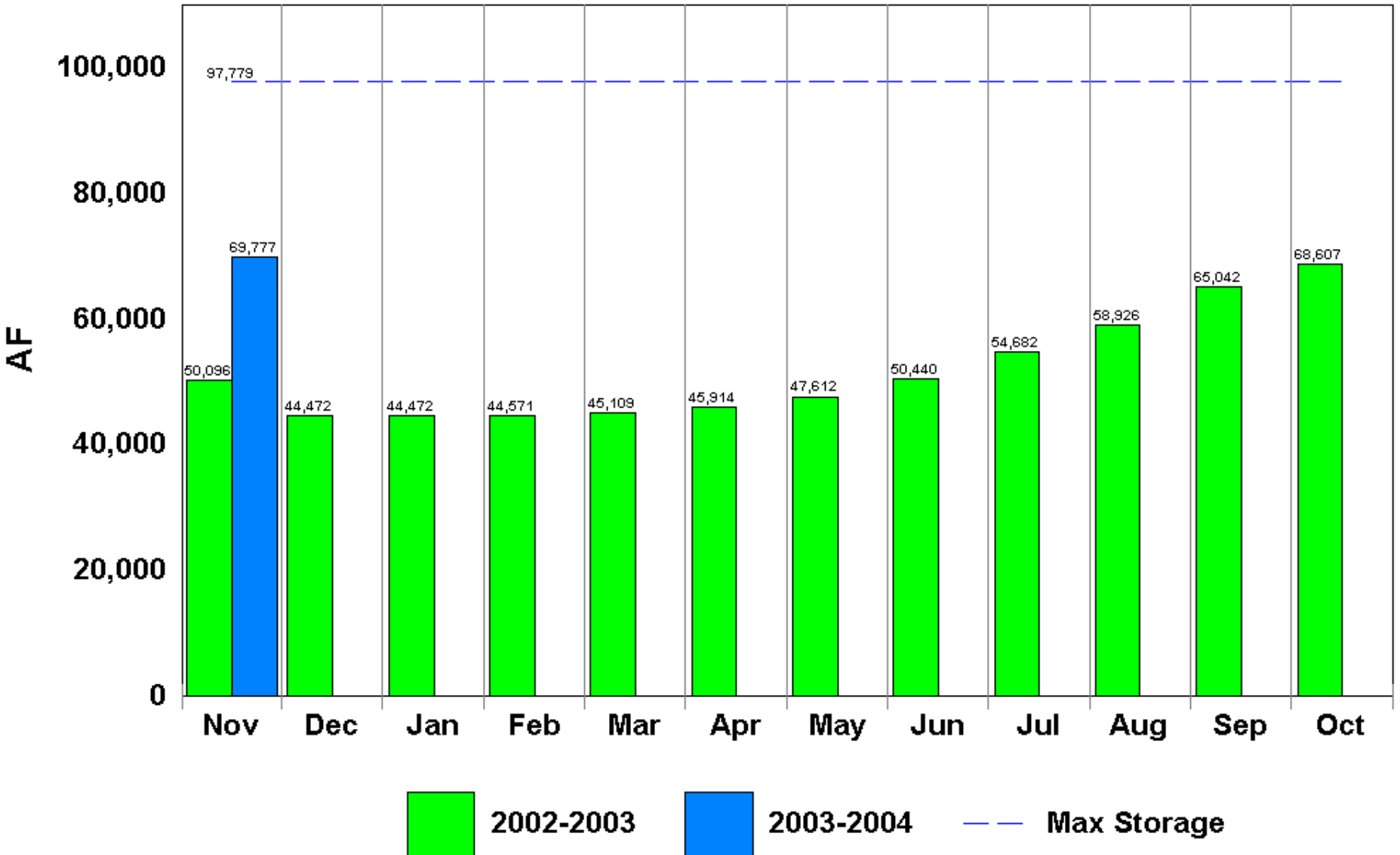
Spinney Mountain Reservoir

(Municipal)

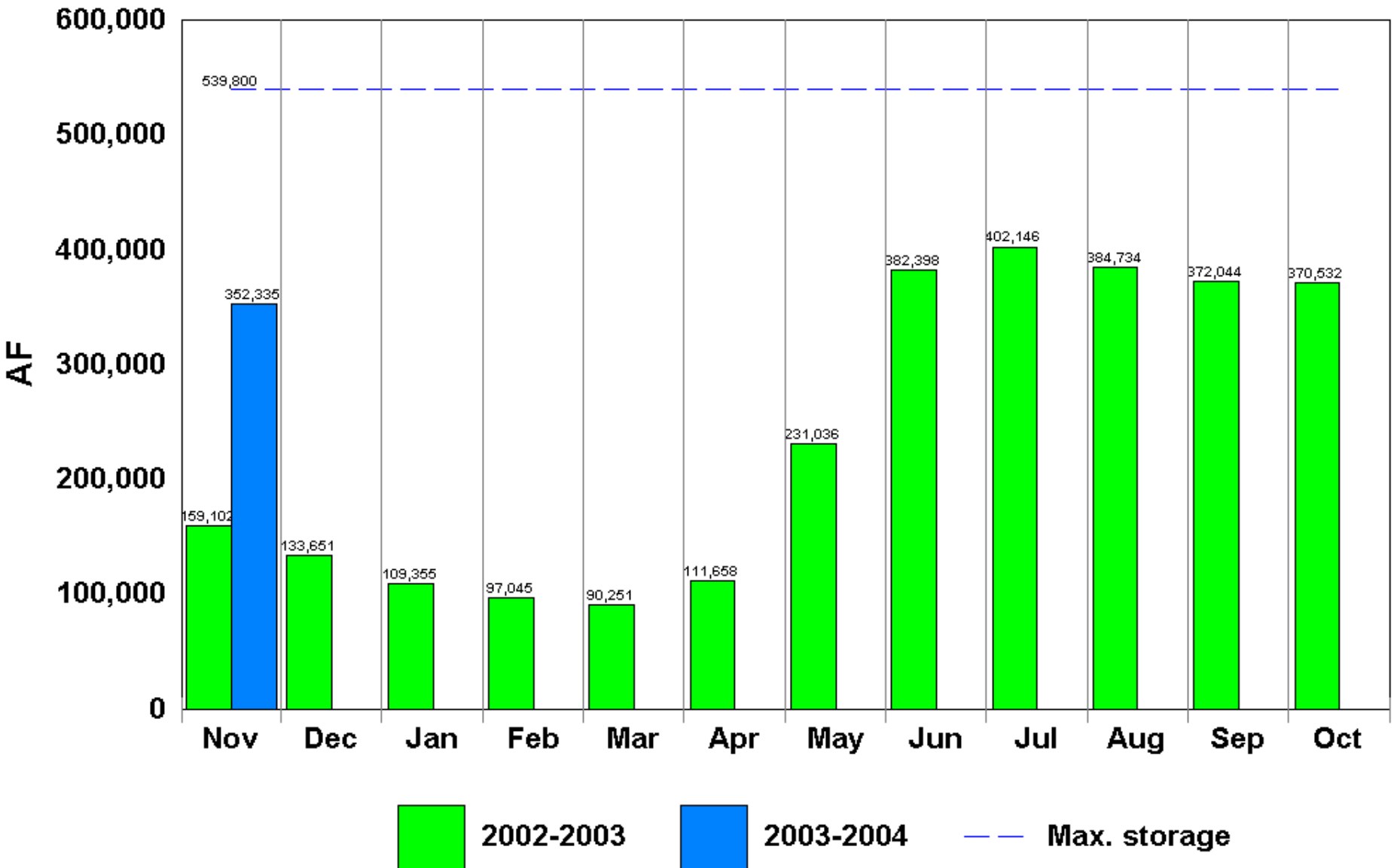


Eleven Mile Reservoir

(Municipal)



Lake Granby



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

Portion of Clear Creek Kayak Course