



South Platte Summary

October 2003

By John Lochhead for The Colorado Division
of Water Resources

Snow Making at Loveland Ski Area

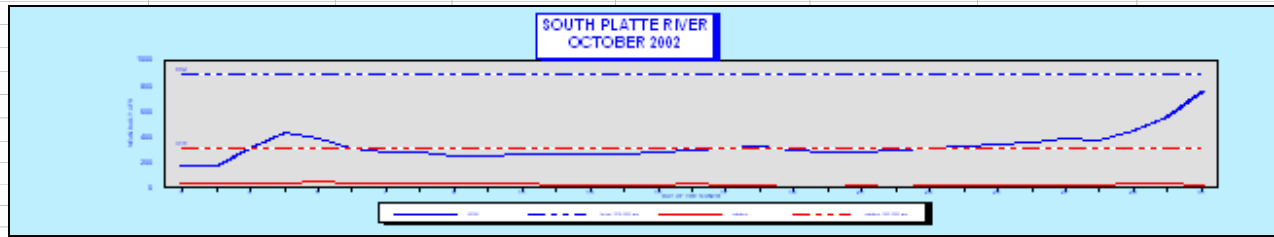
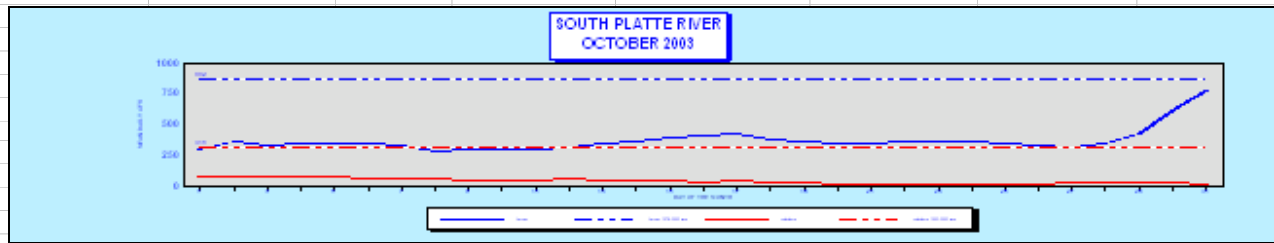
COLORADO DIVISION OF WATER RESOURCES, DIVISION 1

MONTH OF OCTOBER 2003

04-Nov

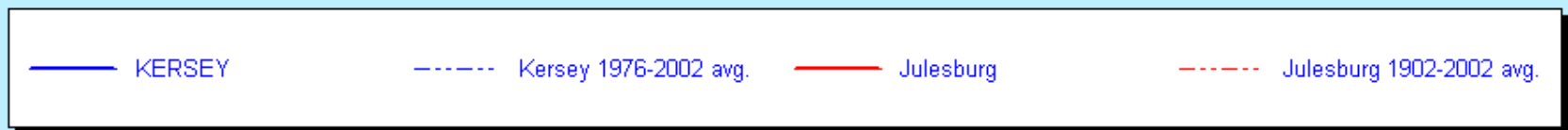
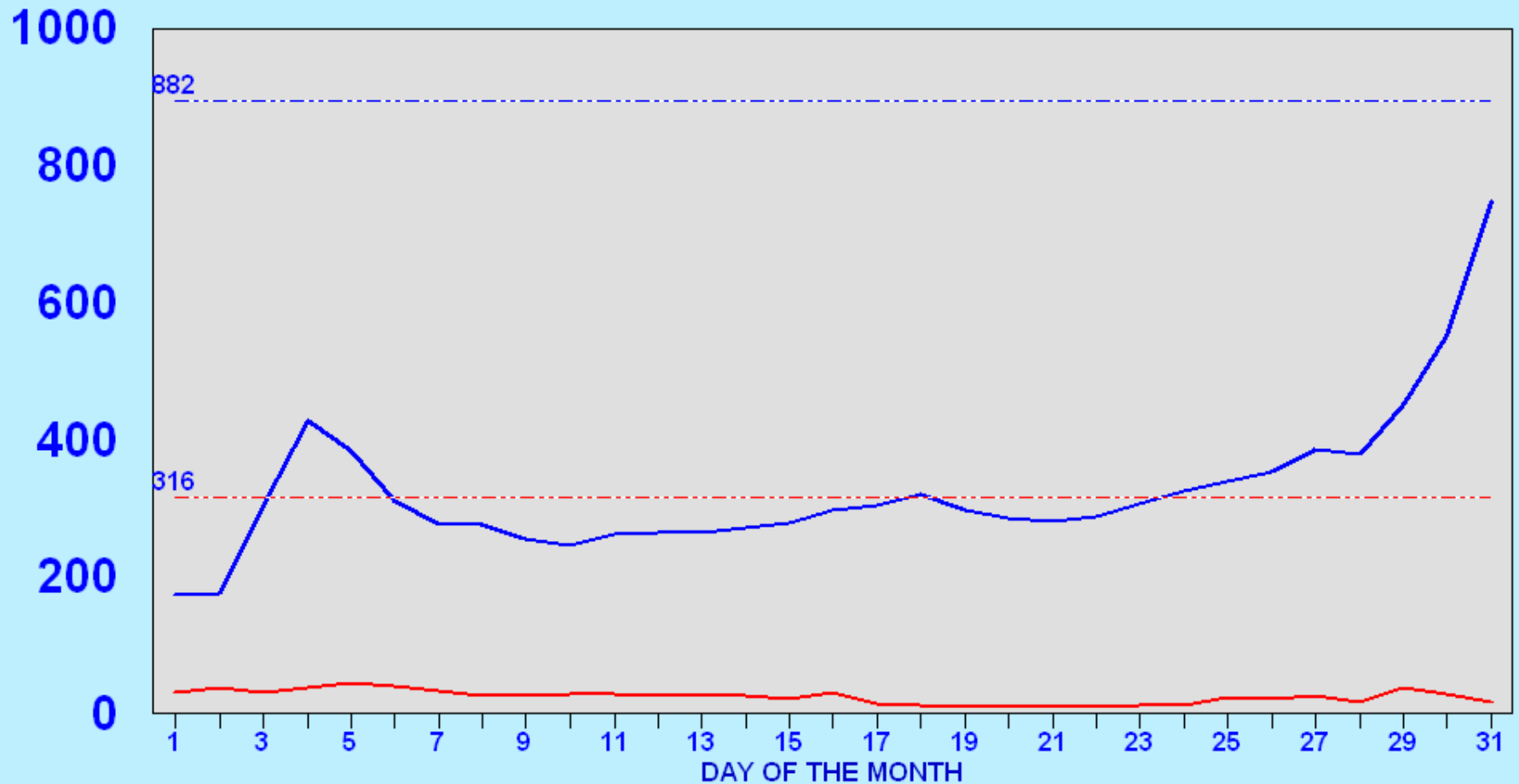
RESERVOIR	FULL ALLOWABLE CAPACITY (ACRE FEET)	FIRST OF MONTH (ACRE FEET)	END OF MONTH (ACRE FEET)	DISTRICT	CHANGE IN STORAGE (ACRE FEET)	% CHANGE IN STORAGE BASED ON FIRST OF MONTH STORAGE	% OF CURRENT FULL ALLOWABLE CAPACITY	% OF CURRENT FULL ALLOWABLE CAPACITY THIS MONTH, (LAST YEAR)	SURCHARGE (ACRE FEET)
JULESBURG	22,666	3,540	2,160	64	(1,380)	-39%	10%	2%	0
NORTH STERLING	73,730	12,790	9,460	64	(3,330)	-26%	13%	7%	0
PREWITT	28,500	4,790	7,340	64	2,550	53%	26%	0%	0
JACKSON	27,257	0	3,560	1	3,560	ERR	13%	0%	0
EMPIRE	37,700	5,260	3,899	1	(1,361)	-26%	10%	0%	0
RIVERSIDE	63,113	17,760	14,577	1	(3,183)	-18%	23%	0%	0
BARR LAKE	31,652	8,436	10,445	2	2,009	24%	33%	6%	0
CHEESMAN	79,064	58,385	59,458	80	1,073	2%	75%	41%	0
ELEVEN MILE	97,779	65,042	68,607	23	3,565	5%	70%	68%	0
SPINNEY	53,651	34,432	31,597	23	(2,835)	-8%	59%	50%	0
ANTERO	20,015	8	8	23	0	0%	0%	0%	0

RIVER GAGES	MEAN DAILY FLOW (CFS)
KERSEY	375
JULESBURG	47
THIS MONTH LAST YEAR	
KERSEY	325
JULESBURG	25
MEAN FOR PERIOD OF RECORD*	
KERSEY	882
JULESBURG	316

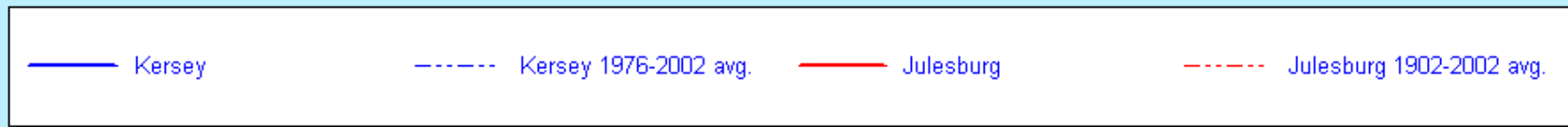
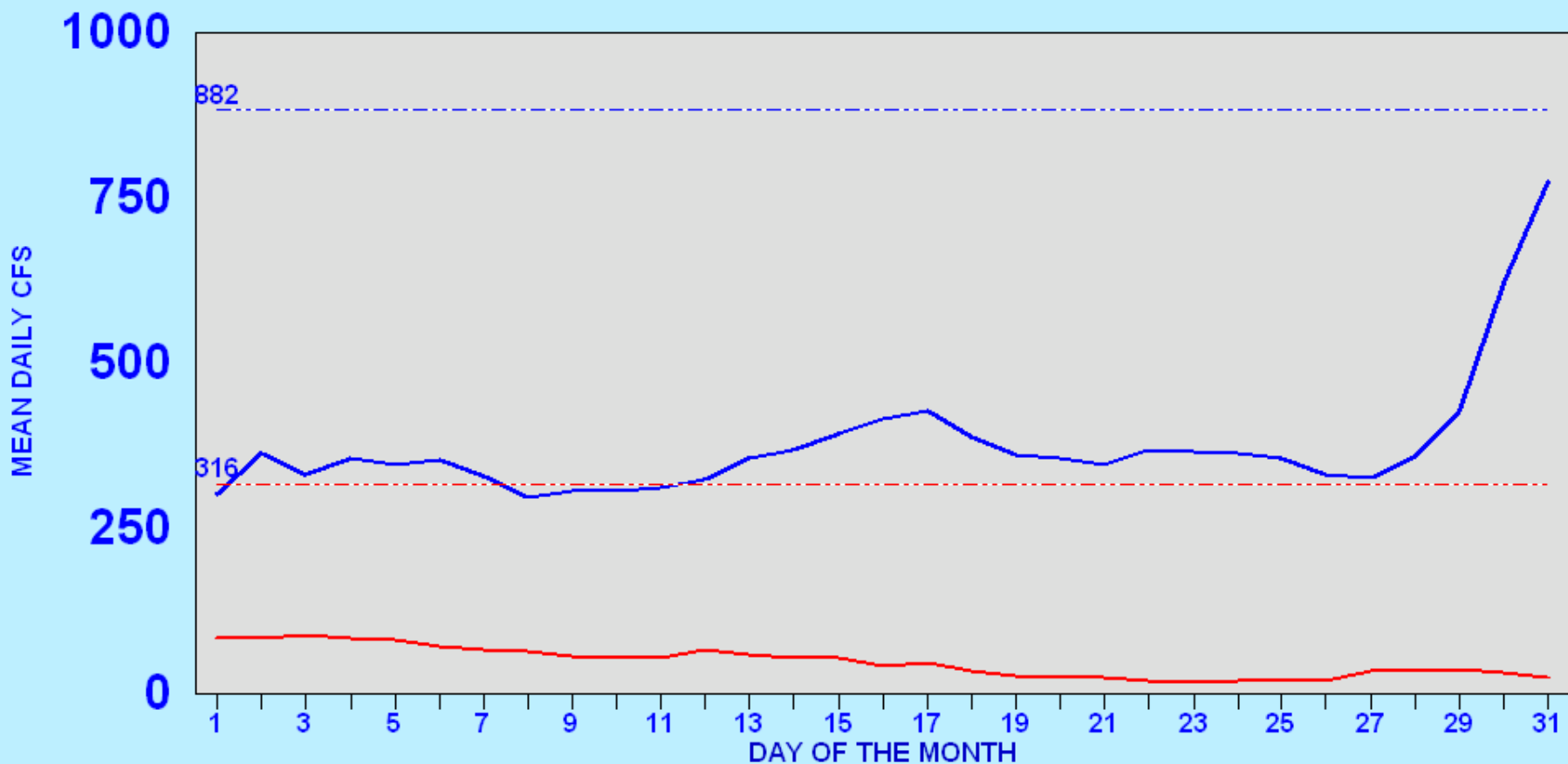


* 1976-2002
1902-2002

SOUTH PLATTE RIVER OCTOBER 2002

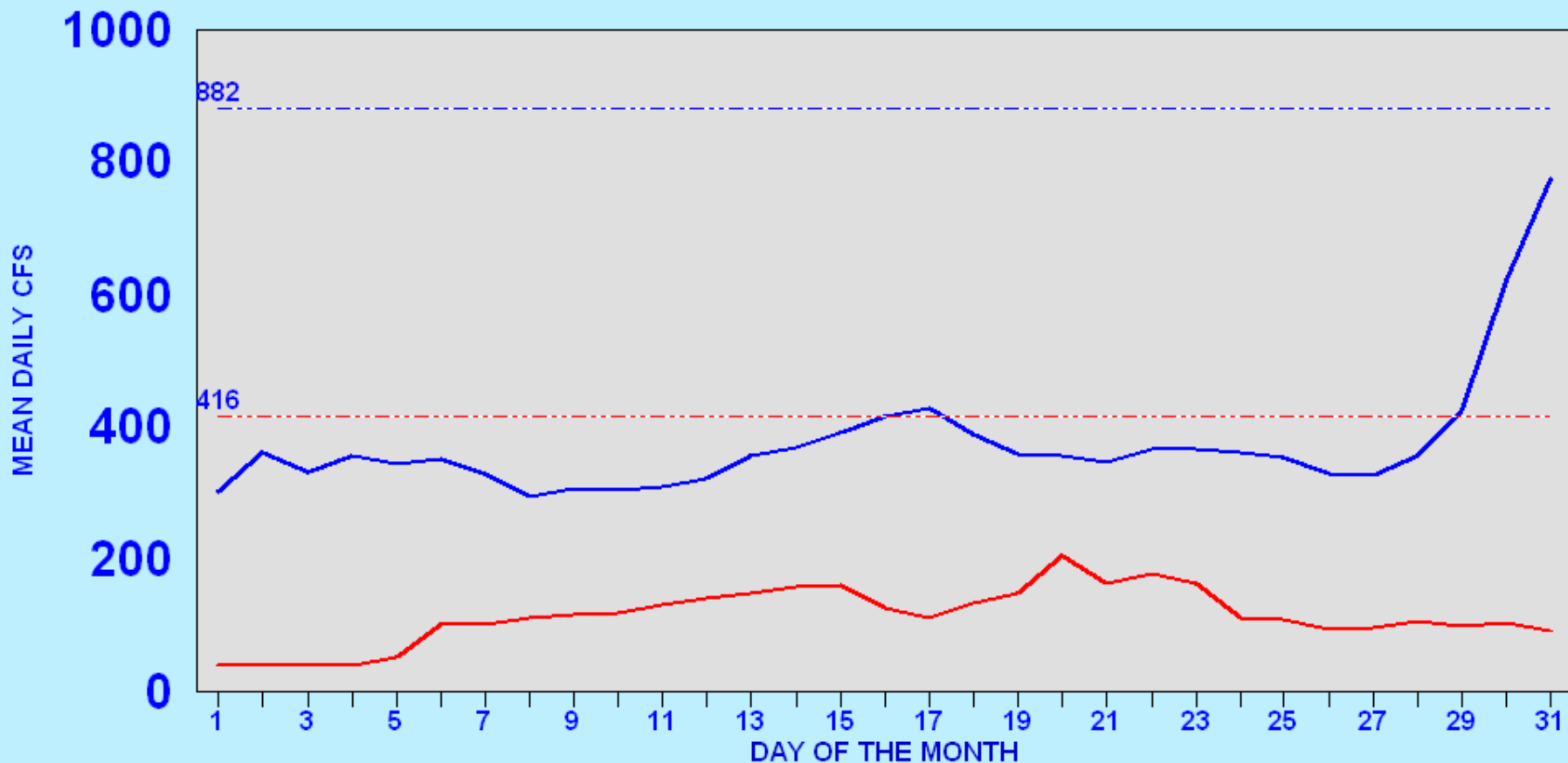


SOUTH PLATTE RIVER OCTOBER 2003



Kersey Balzac

OCTOBER 2003



— kersey

- - - Kersey 1976-2002 avg.

— Balzac

- - - Balzac 1980-2002 avg.

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

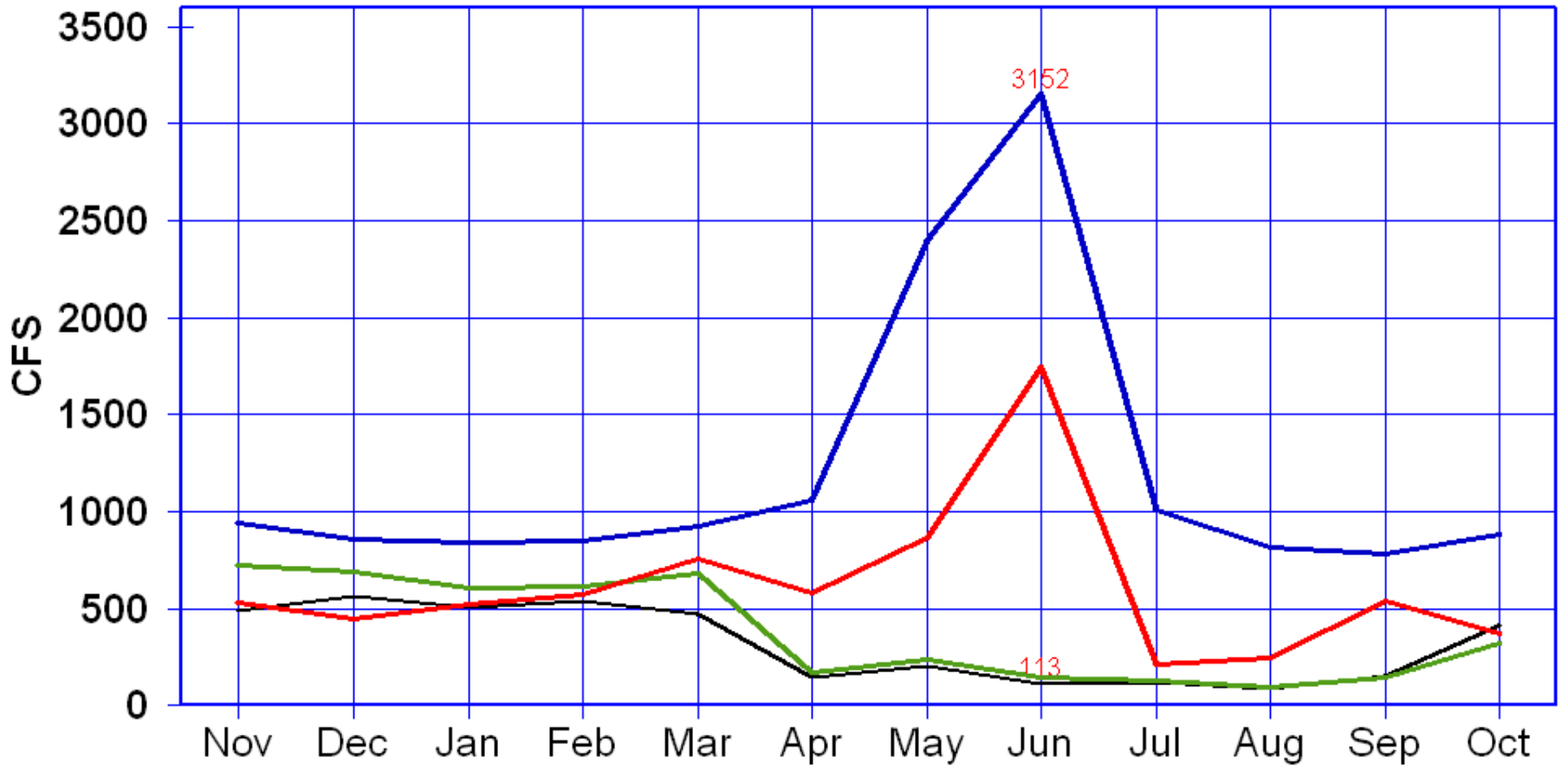
South Platte River at Kersey							South Platte River at Julesburg								
	USGS Historic Mean *	Historic Max flow *	Year	Historic Min flow *	Year	IY 2003 mean monthly flow	Estimated Mean		USGS Historic Mean *	Historic Max flow *	Year	Historic Min flow *	Year	IY 2003 mean monthly flow	Estimated Mean
Nov	944	2585	1985	488	1978	536		Nov	356	2358	1985	23	1911	16	
Dec	856	1337	1985	568	1982	445		Dec	419	1371	1985	18.8	1912	23	
Jan	836	1434	1984	503	1982	523		Jan	535	1571	1998	89.9	1965	59	
Feb	849	1641	1984	540	1978	576		Feb	616	1864	1930	78.9	1935	40	*
Mar	920	1852	1983	473	1982	760		Mar	555	2200	1939	56.9	1904	63	
Apr	1062	3894	1983	144	1982	584		Apr	550	2808	1983	17.3	1904	113	
May	2401	13060	1980	199	2002	871		May	1064	9922	1980	24.1	1911	87	
Jun	3152	14520	1983	113	1977	1748		Jun	1489	12200	1983	8.33	1910	57	
Jul	1005	5784	1983	115	2002	212		Jul	306	5059	1983	2.15	1903	21	
Aug	816	2783	1984	85.5	2002	248		Aug	188	1882	1997	2.52	1902	19	
Sep	784	2079	1984	156	2002	540		Sep	249	1964	1984	5.6	1903	62	
Oct	882	3388	1985	415	1978	375		Oct	316	2427	1985	5.85	1904	47	
*Period of record 1976-2002							*Period of record 1902-2002								



Xcel Energy Arapahoe Plant

South Platte River at Kersey

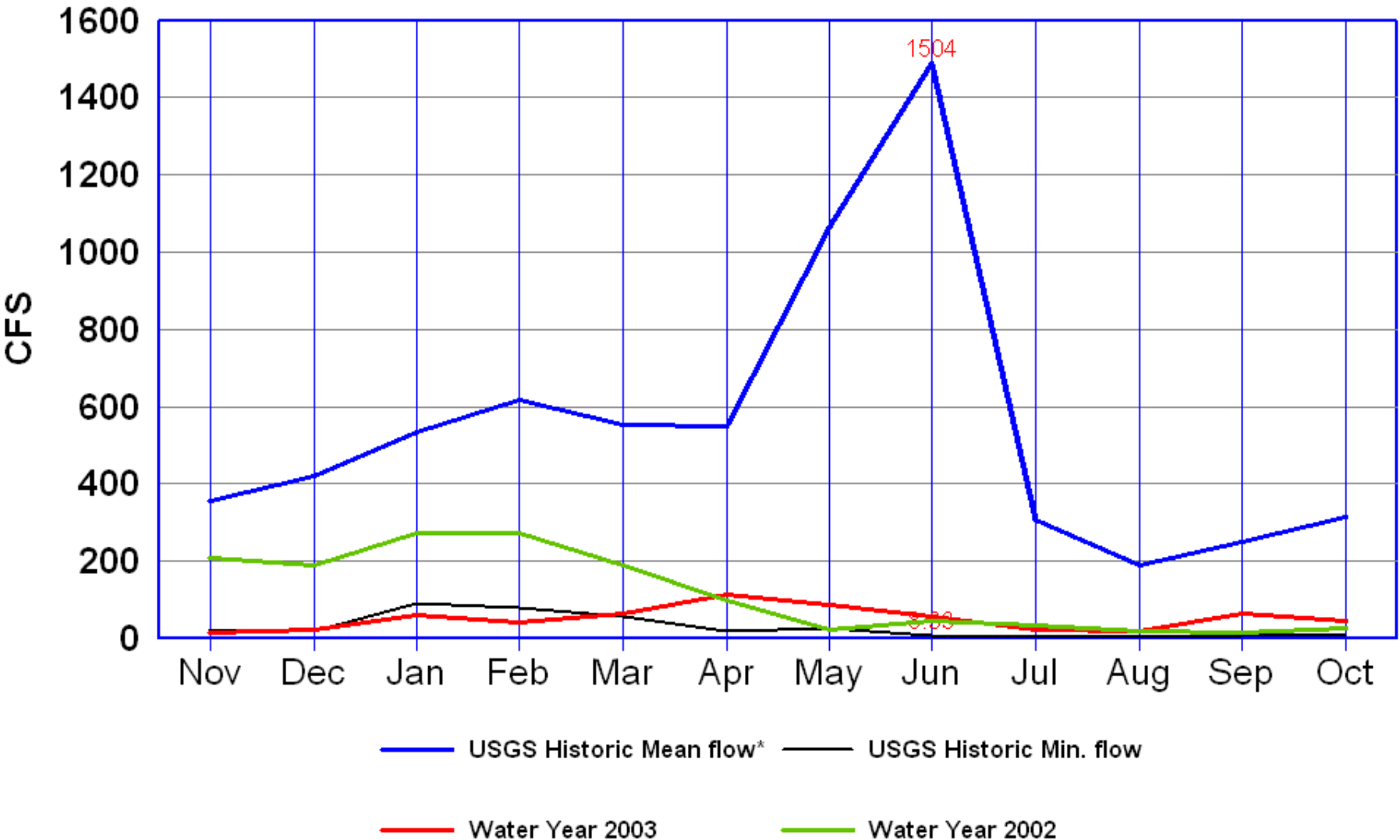
Irrigation Water Year*



— Mean monthly flows* — Min. monthly flow* — 2001-2002 mean flow — 2002-2003 mean flow

South Platte River at Julesburg

Irrigation Water Year*



*1902-2002

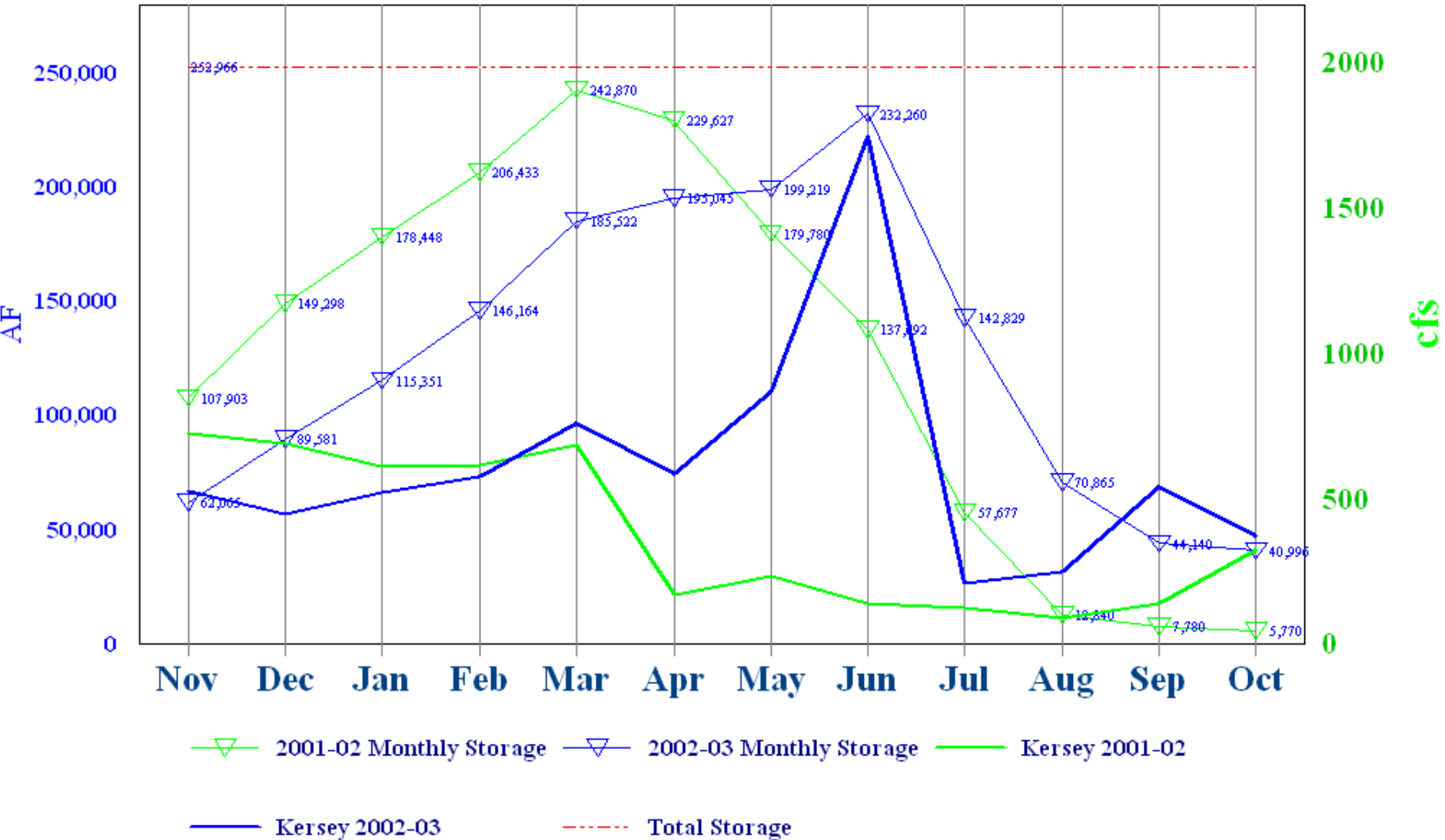
Next 4 slides show Reservoir storage below and above Kersey



Downtown Denver from State Engineers Office

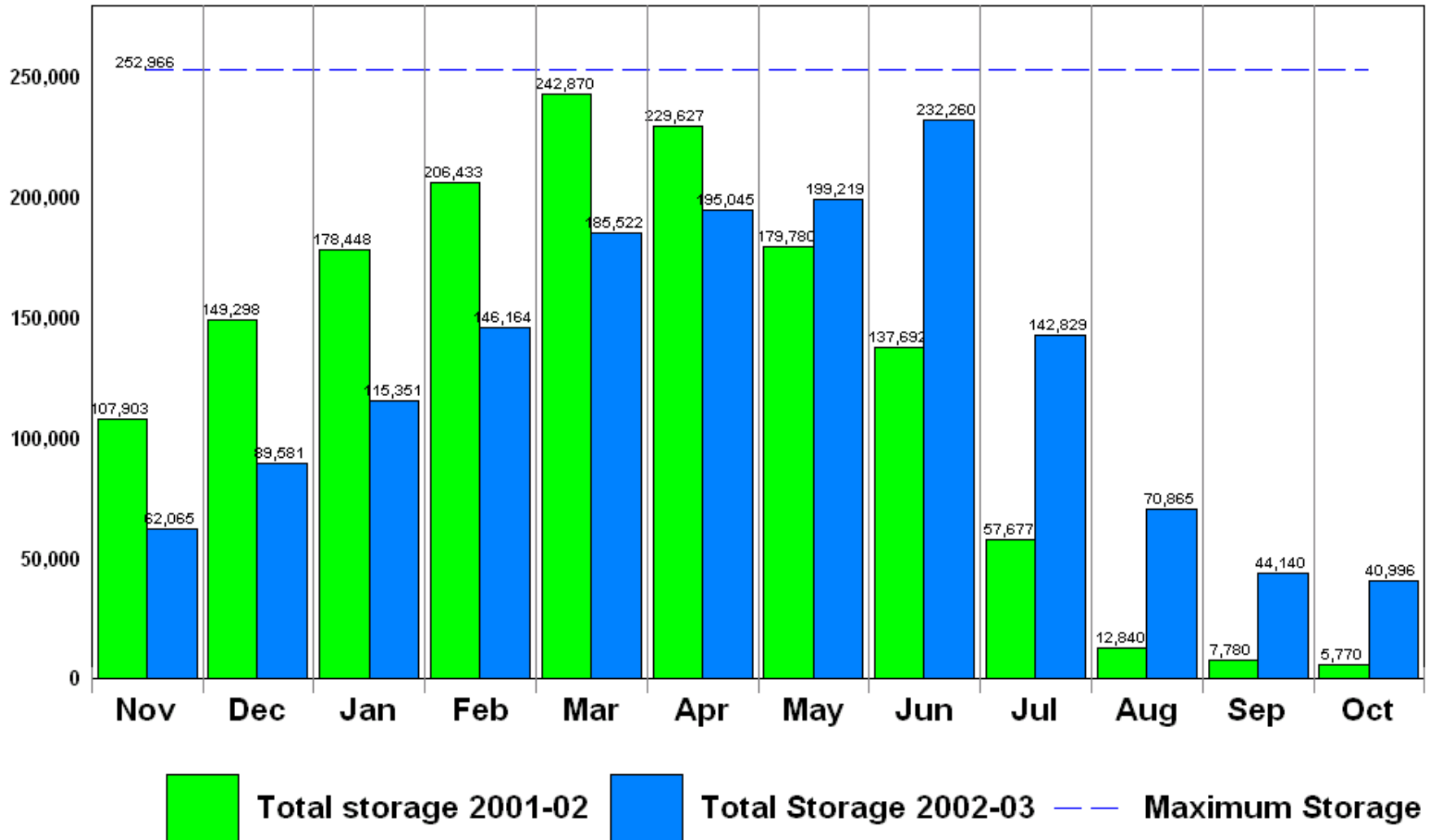
Reservoir Storage below Kersey

Selected Reservoirs*



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

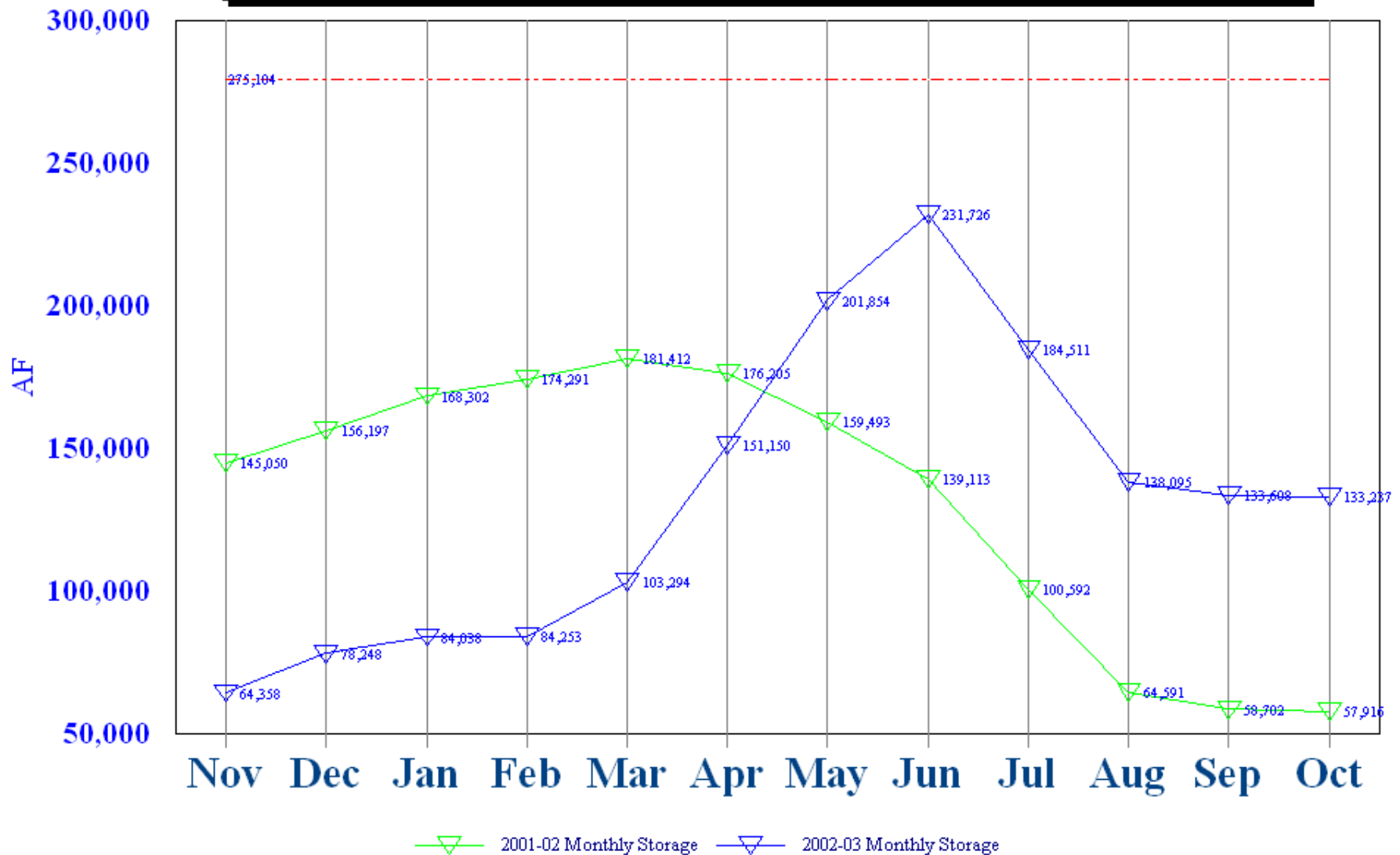
South Platte Reservoirs Storage below Kersey*



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

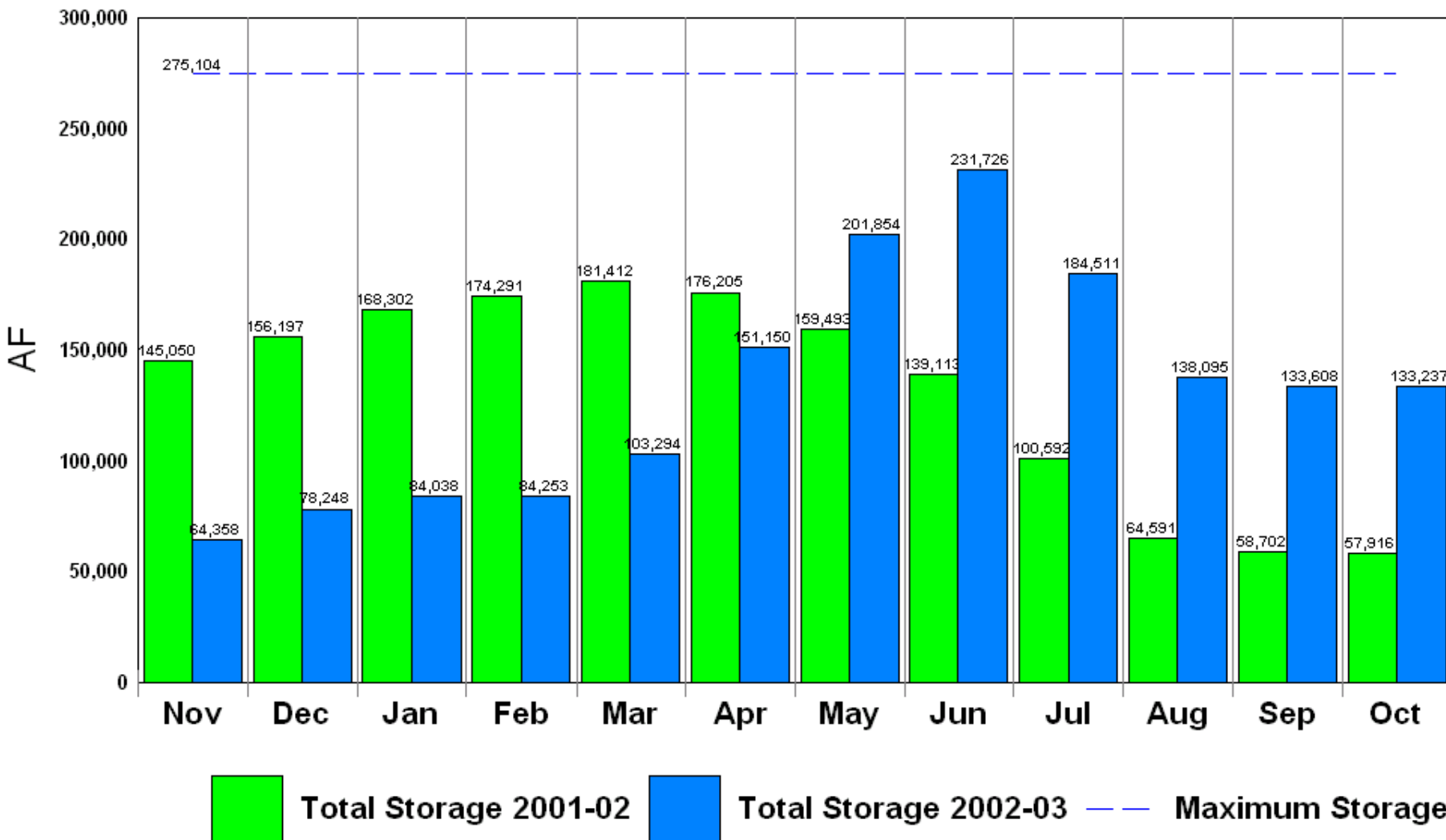
Reservoir Storage above Kersey

Selected Reservoirs*



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

South Platte Reservoirs Storage above Kersey*



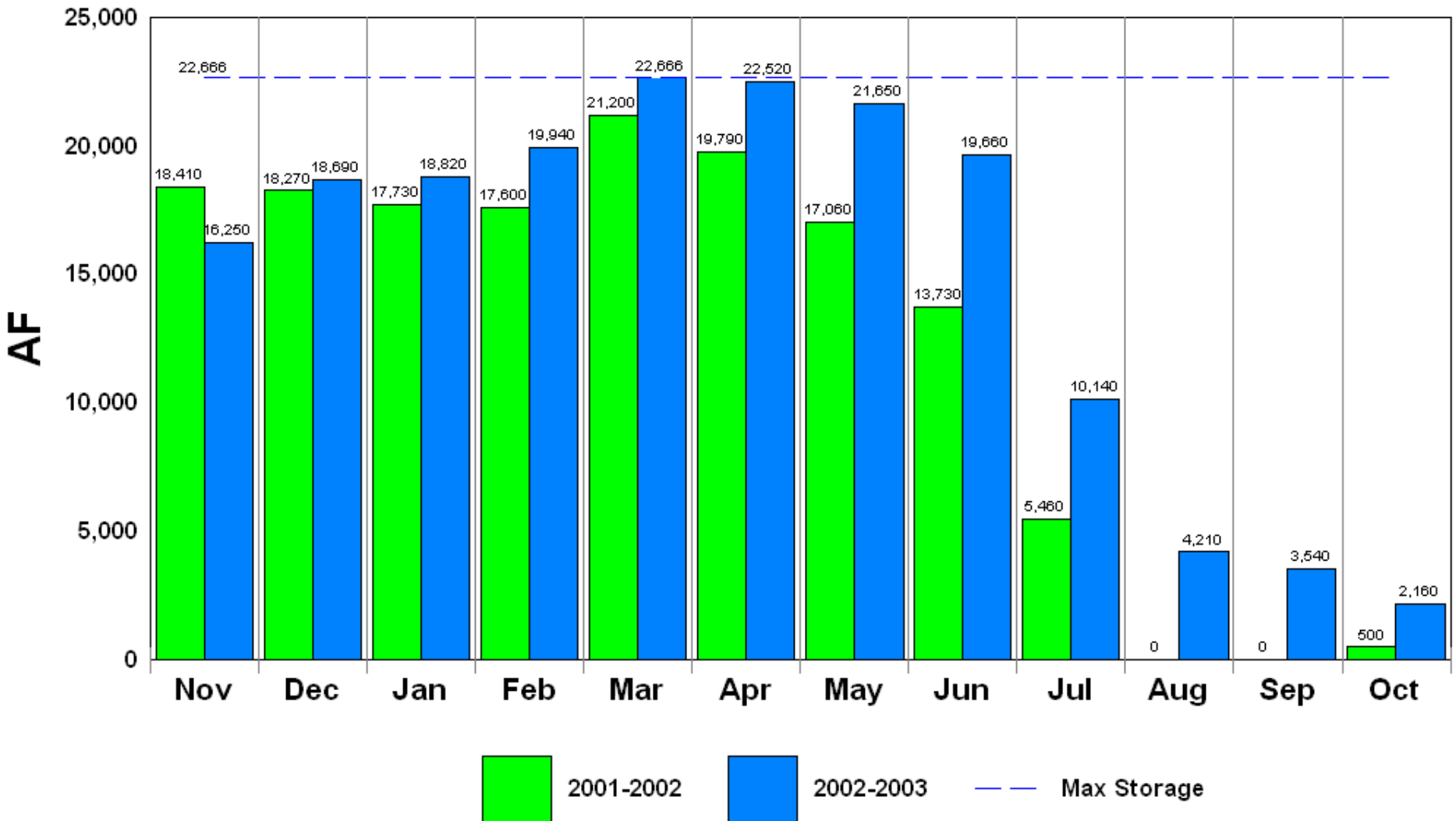
*Barr,Cobb,FossilCrk,Halligan,Marshall,Milton,Union,Standley,LowerLatham,Boyd,Loveland,Windsor,HorseCrk,Prospect. by jhl

Individual Reservoir Storage
follows:



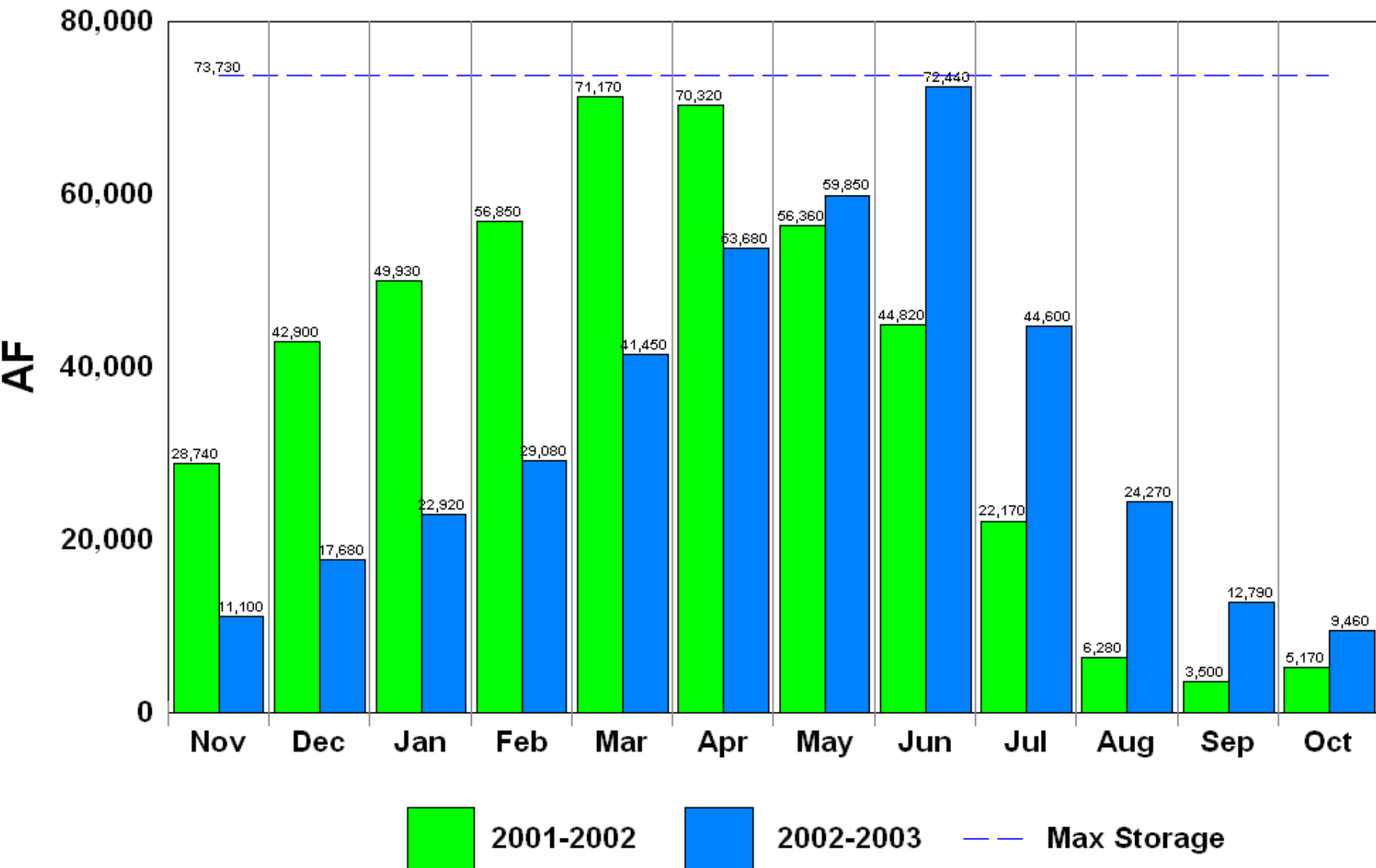
Julesburg Reservoir

(Agricultural)



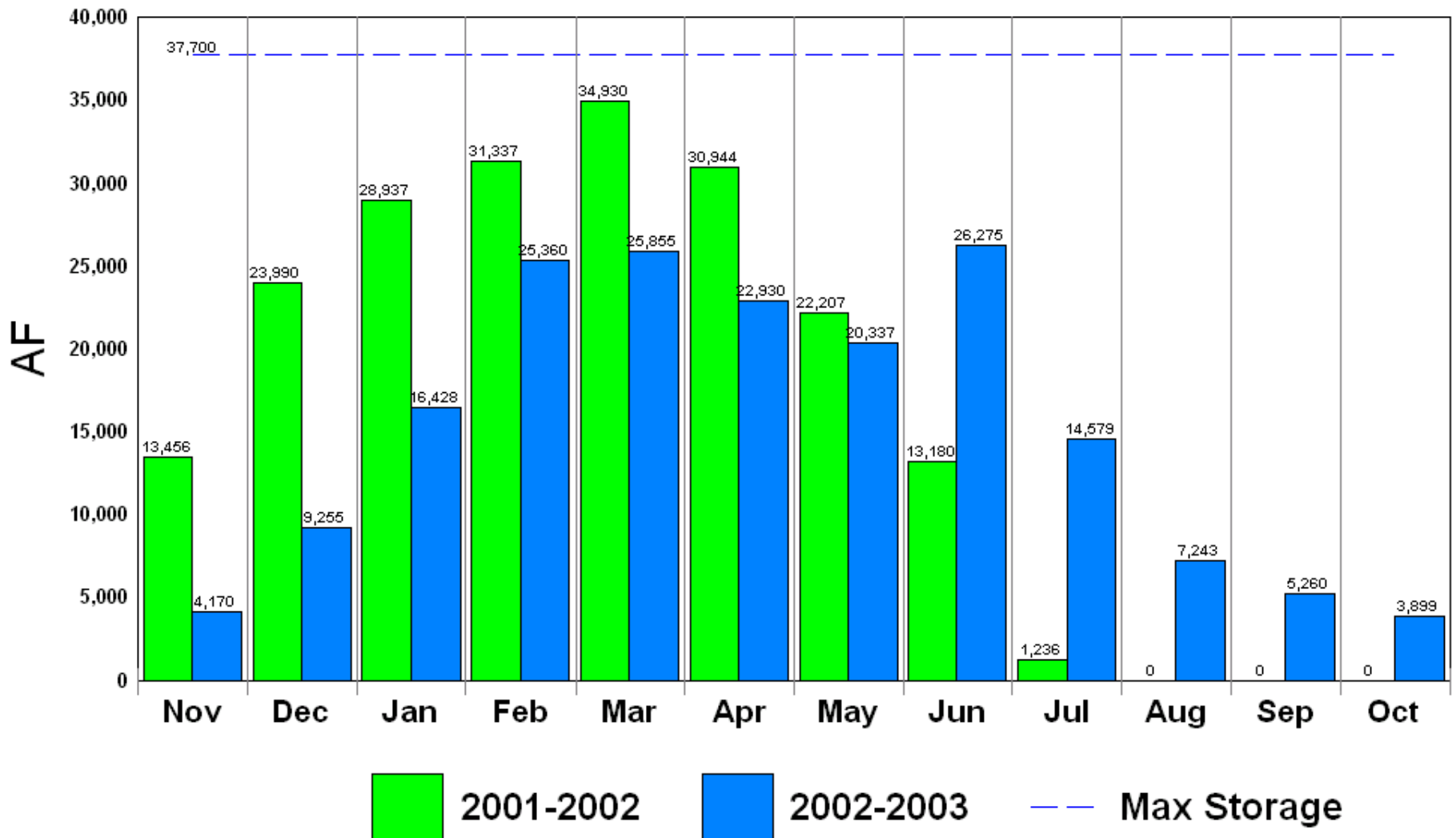
N. Sterling Reservoir

(Agricultural)



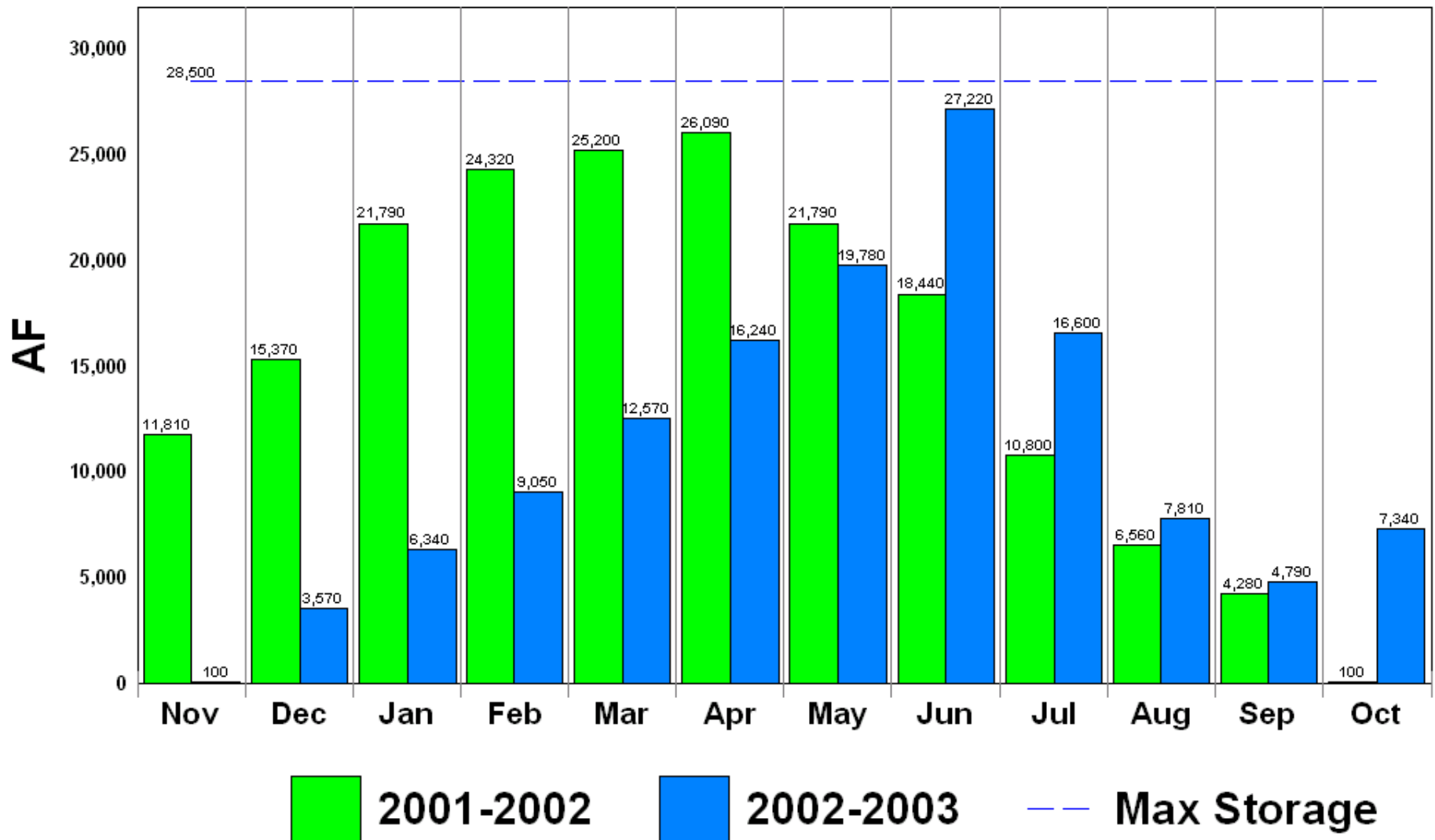
Empire Reservoir

(Agricultural)



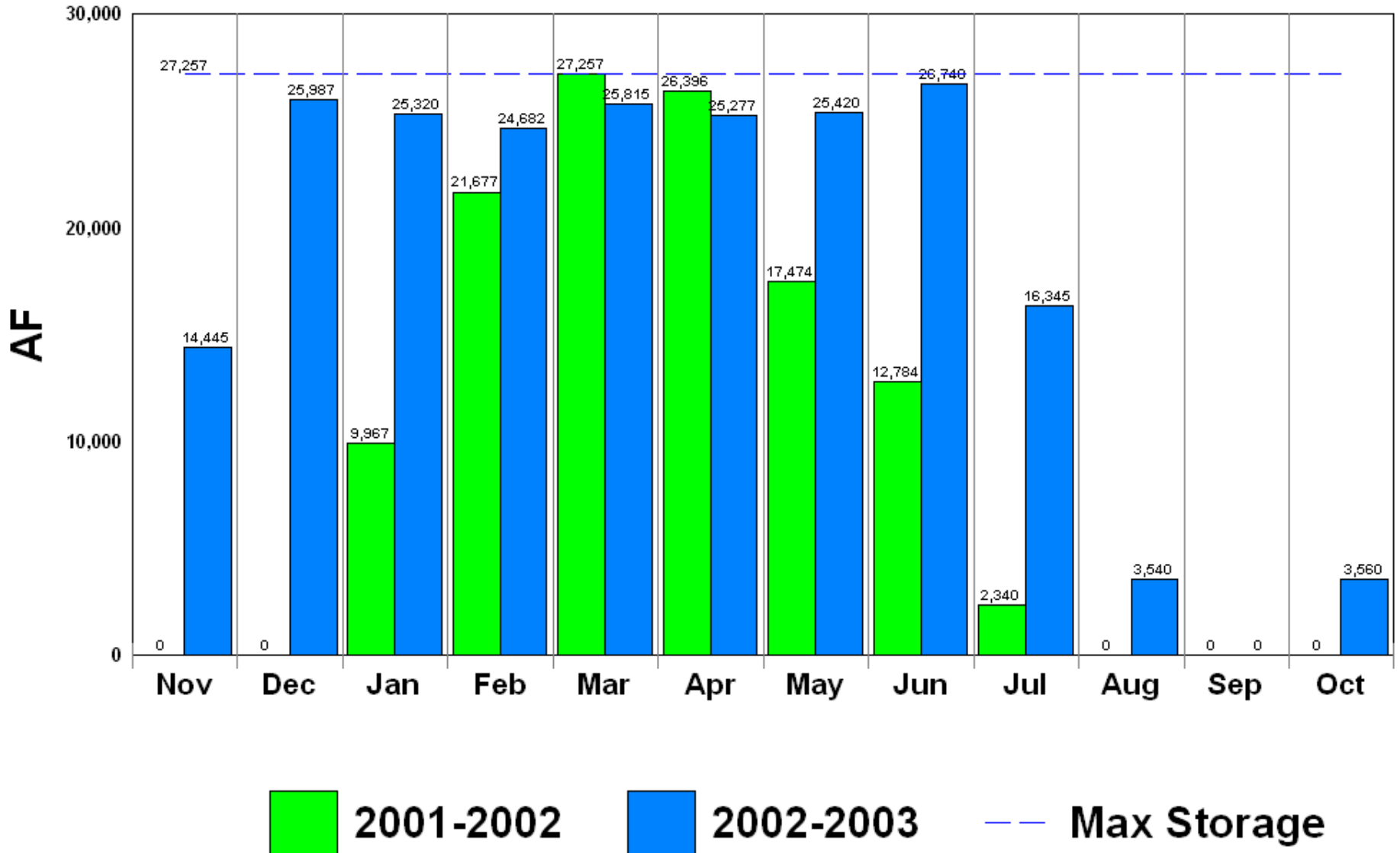
Prewitt Reservoir

(Agricultural)



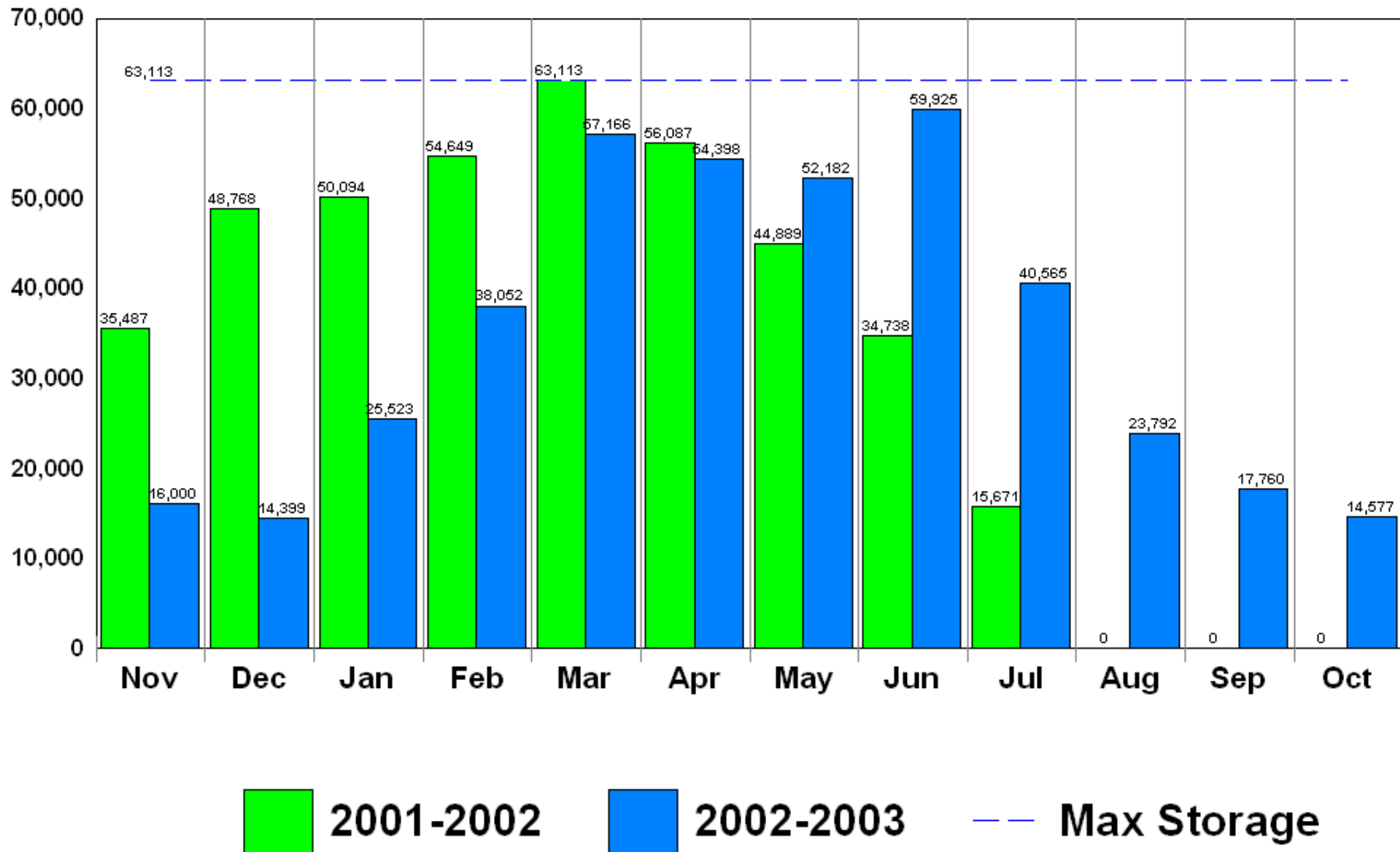
Jackson Reservoir

(Agricultural)



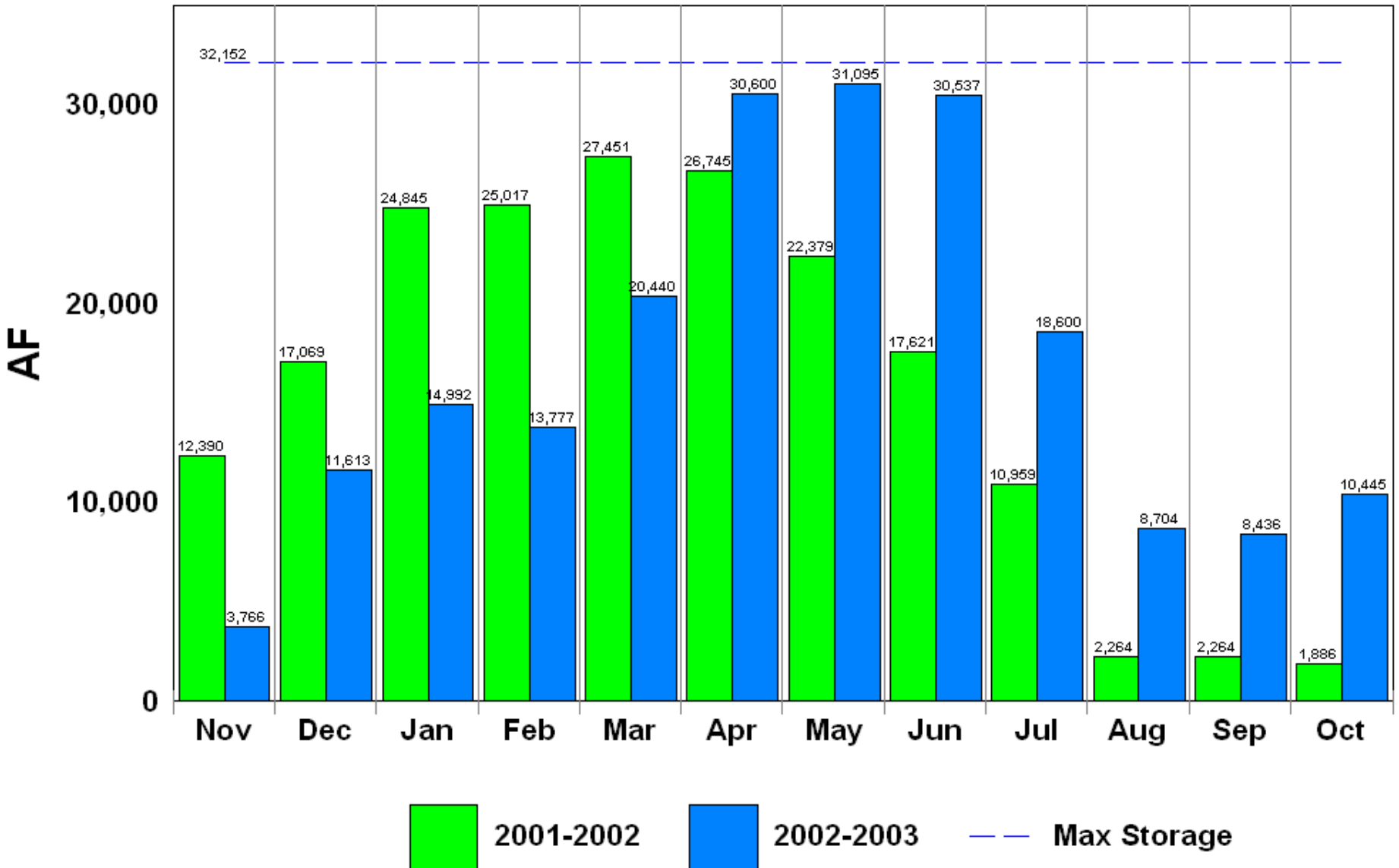
Riverside Reservoir

(Agricultural)



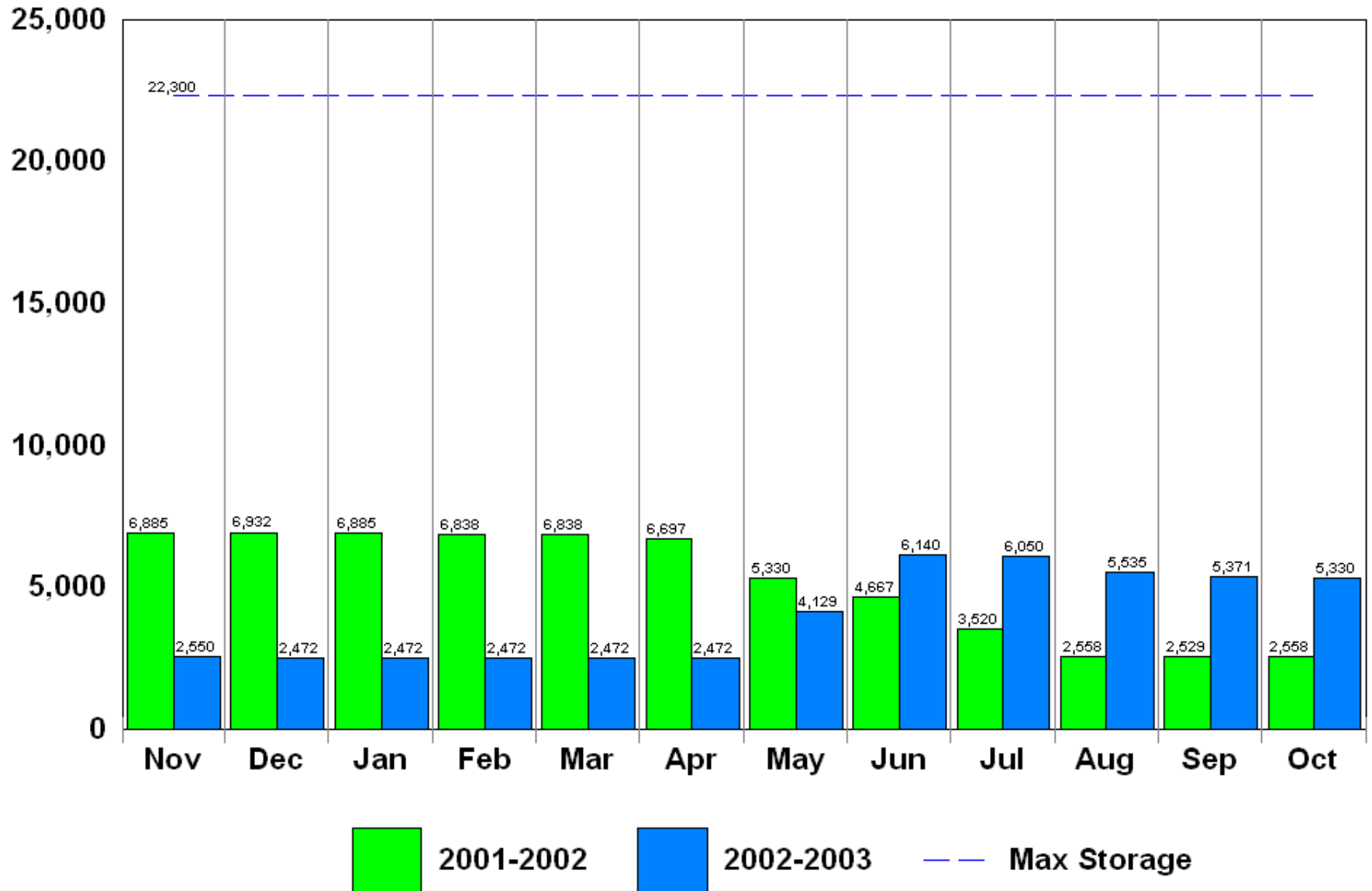
Barr Lake

(Agricultural)



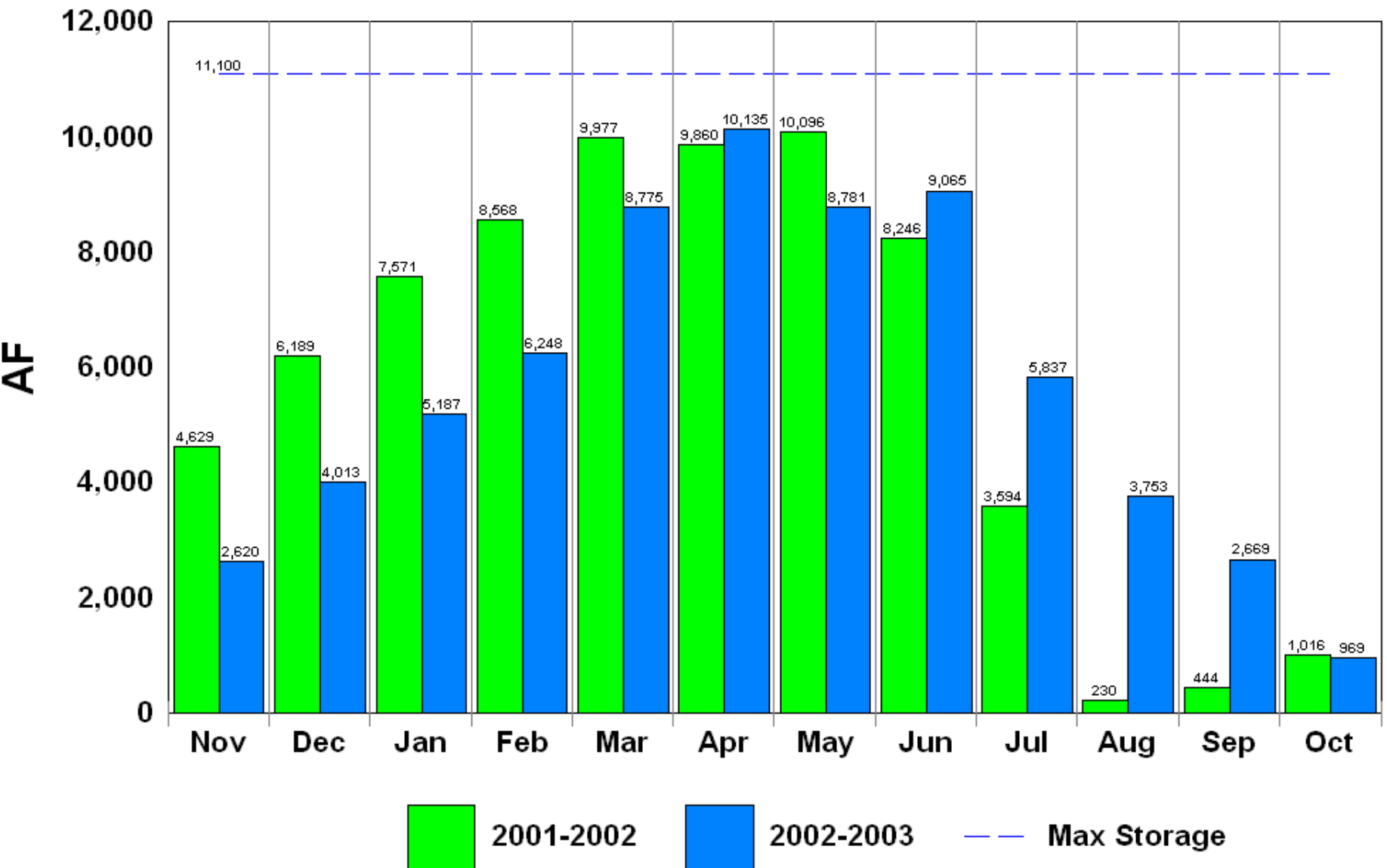
Cobb Lake

(Agricultural)



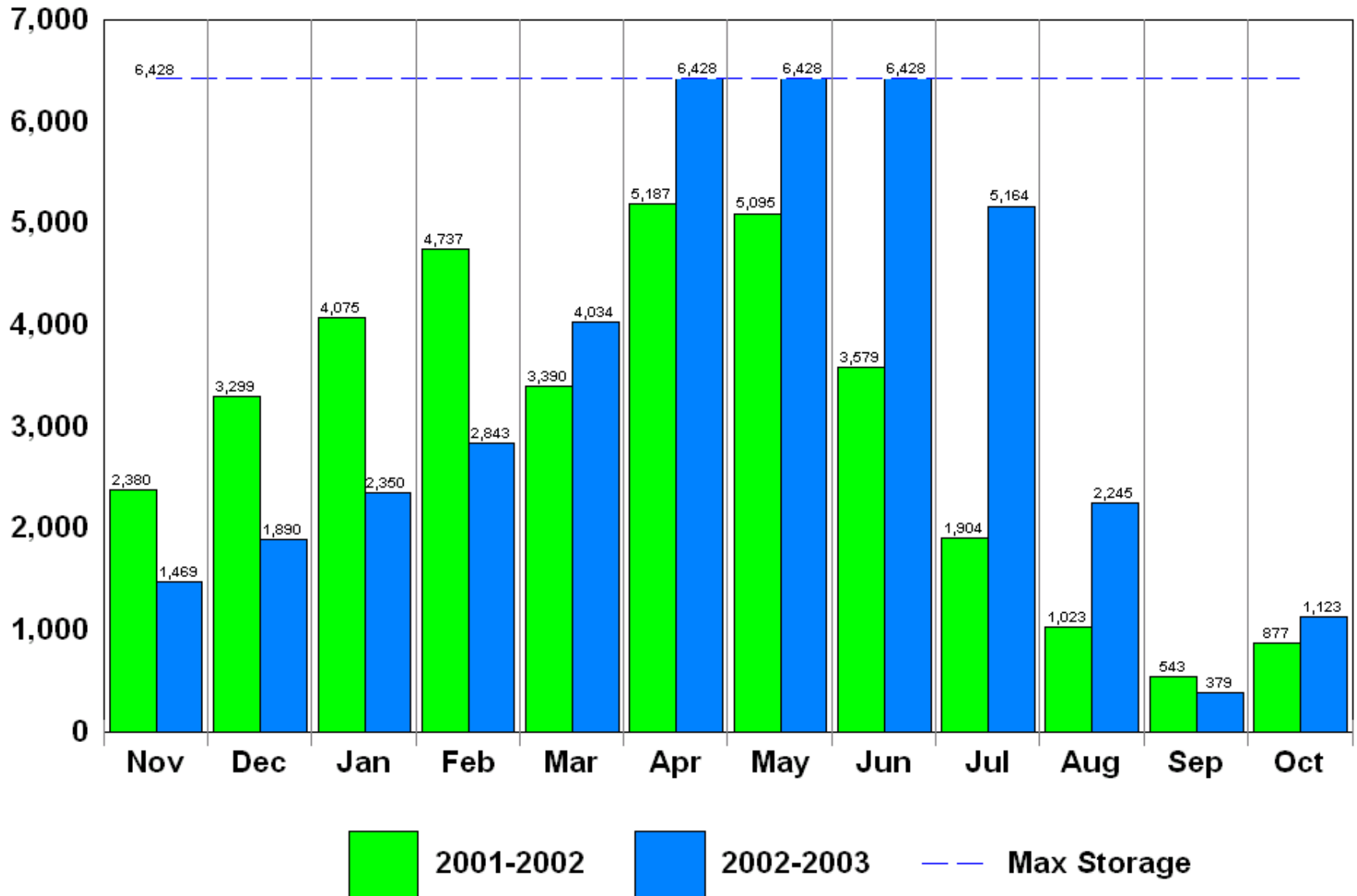
Fossil Creek Reservoir

(Agricultural)



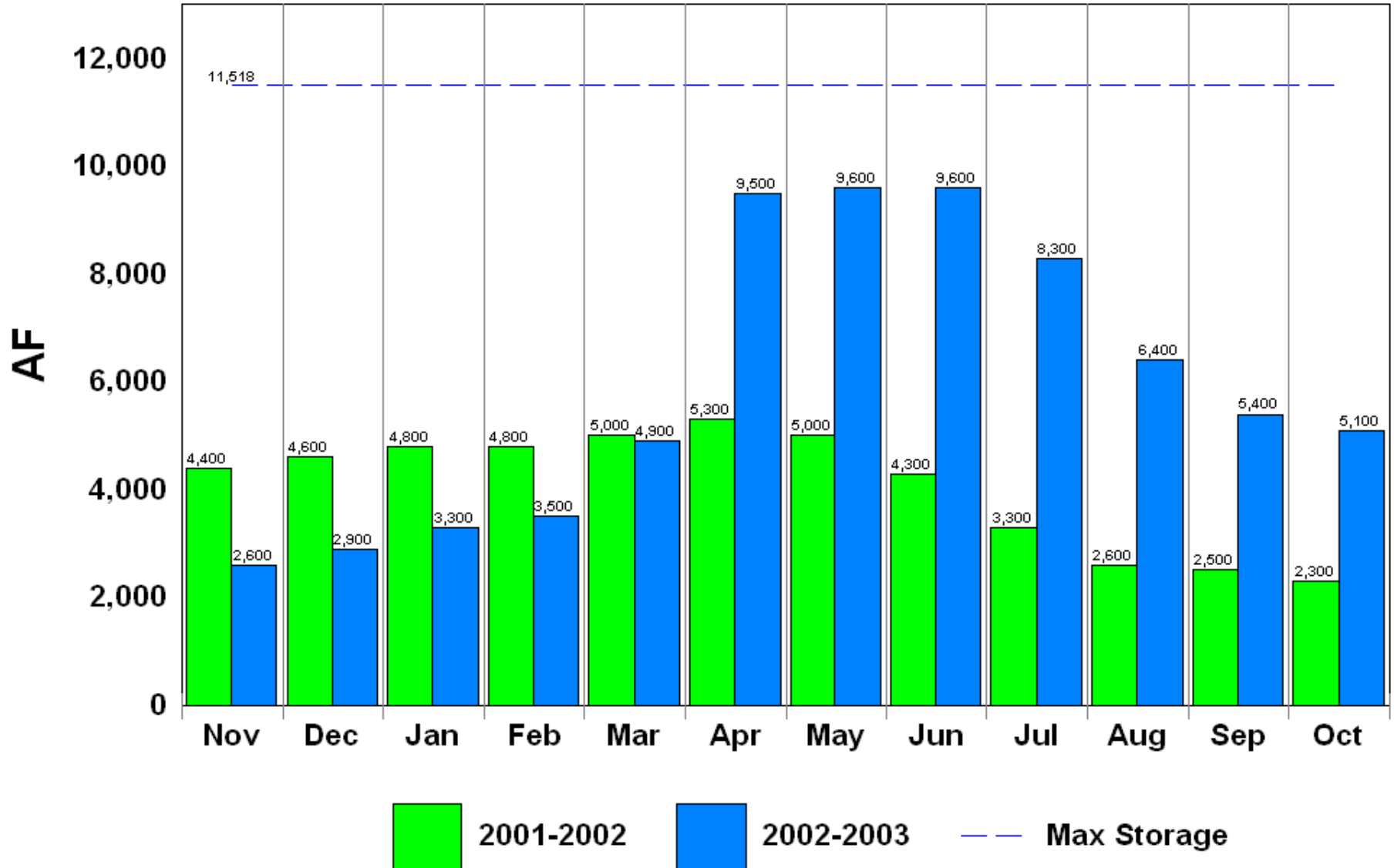
Halligan Reservoir

(Agricultural)



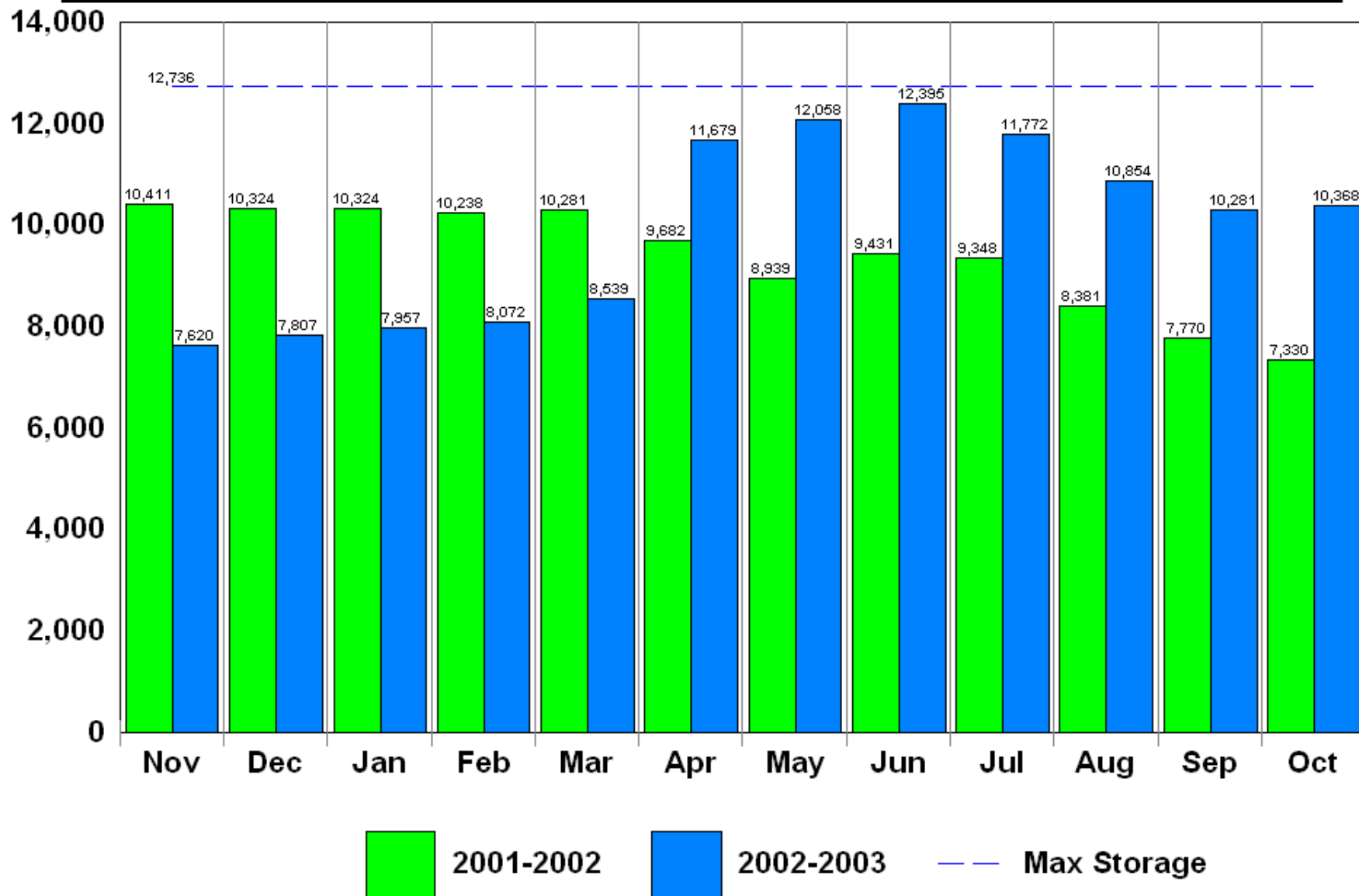
Marshall Lake

(Agricultural)



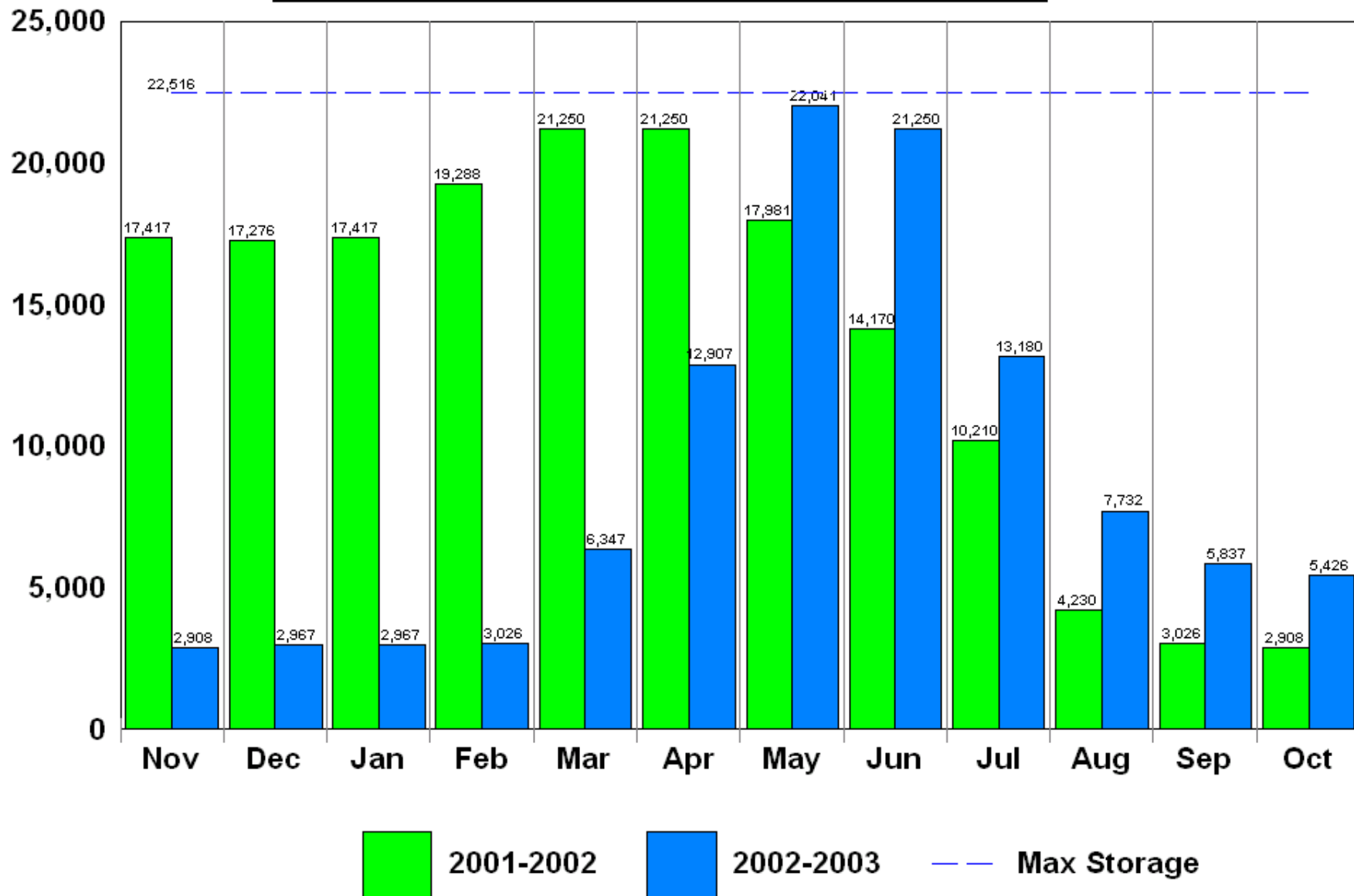
Loveland Greeley Reservoir

(Agricultural)



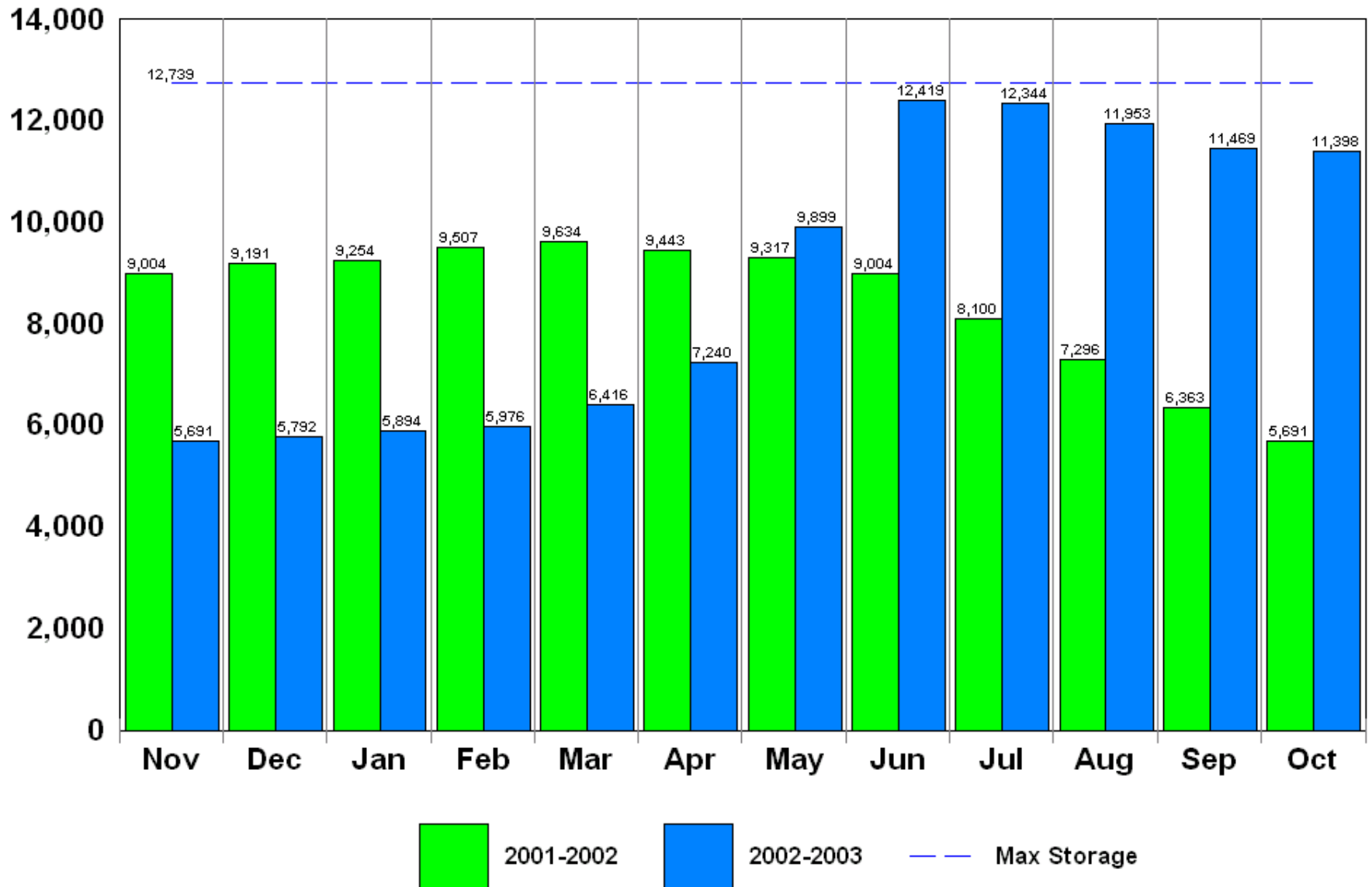
Milton Reservoir

(Agricultural)



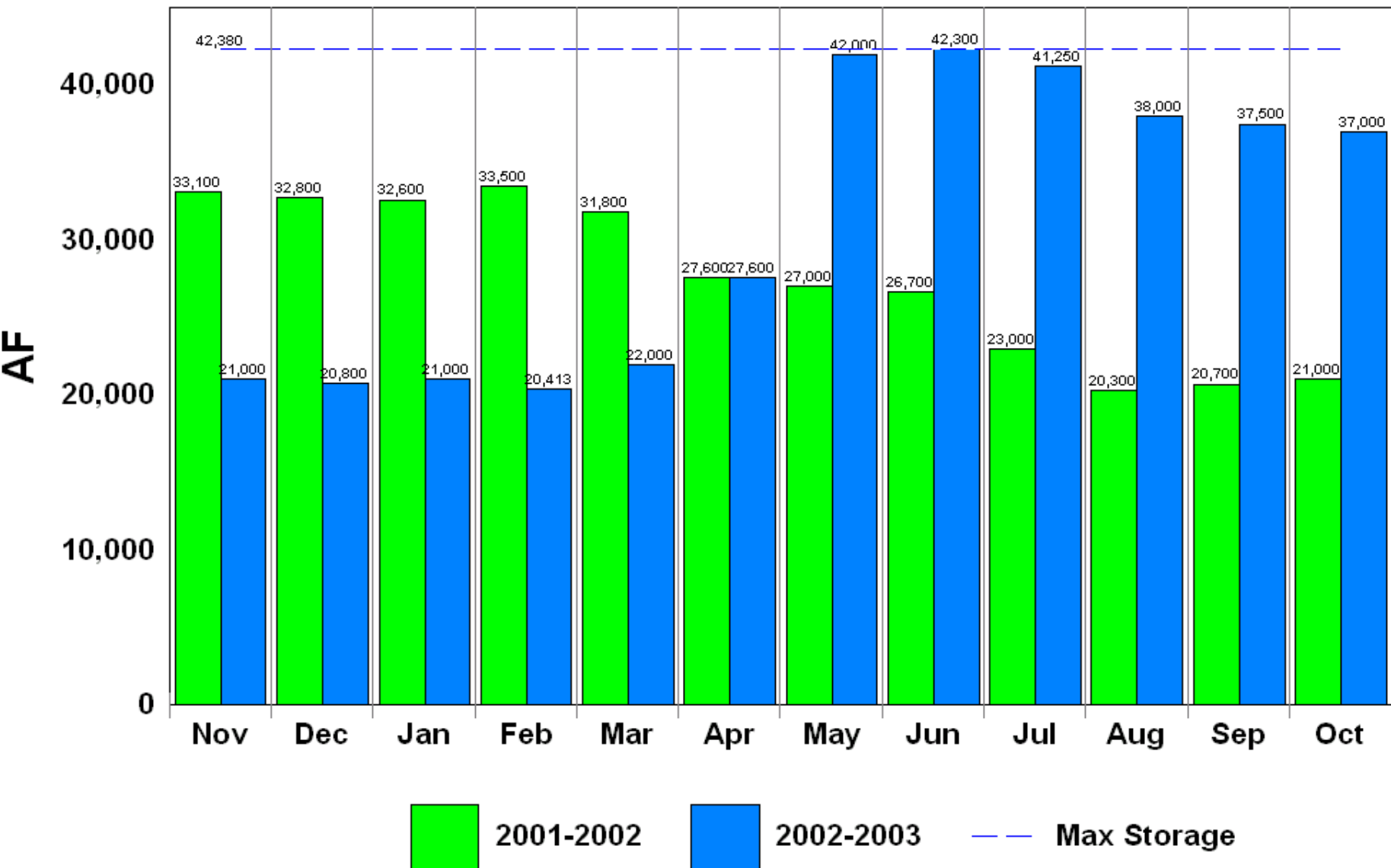
Union Reservoir

(Agricultural)



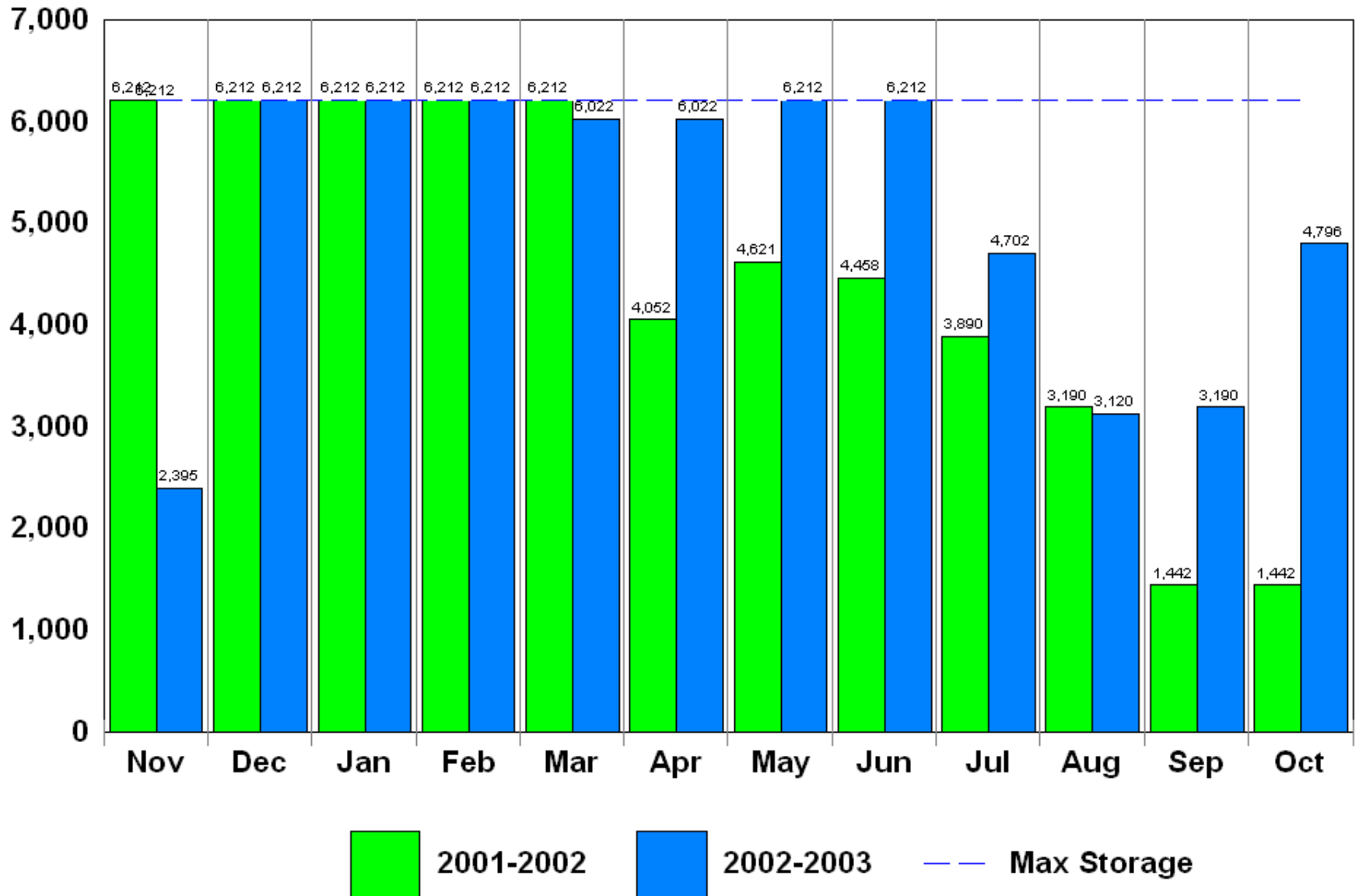
Standley Lake

(Agricultural)



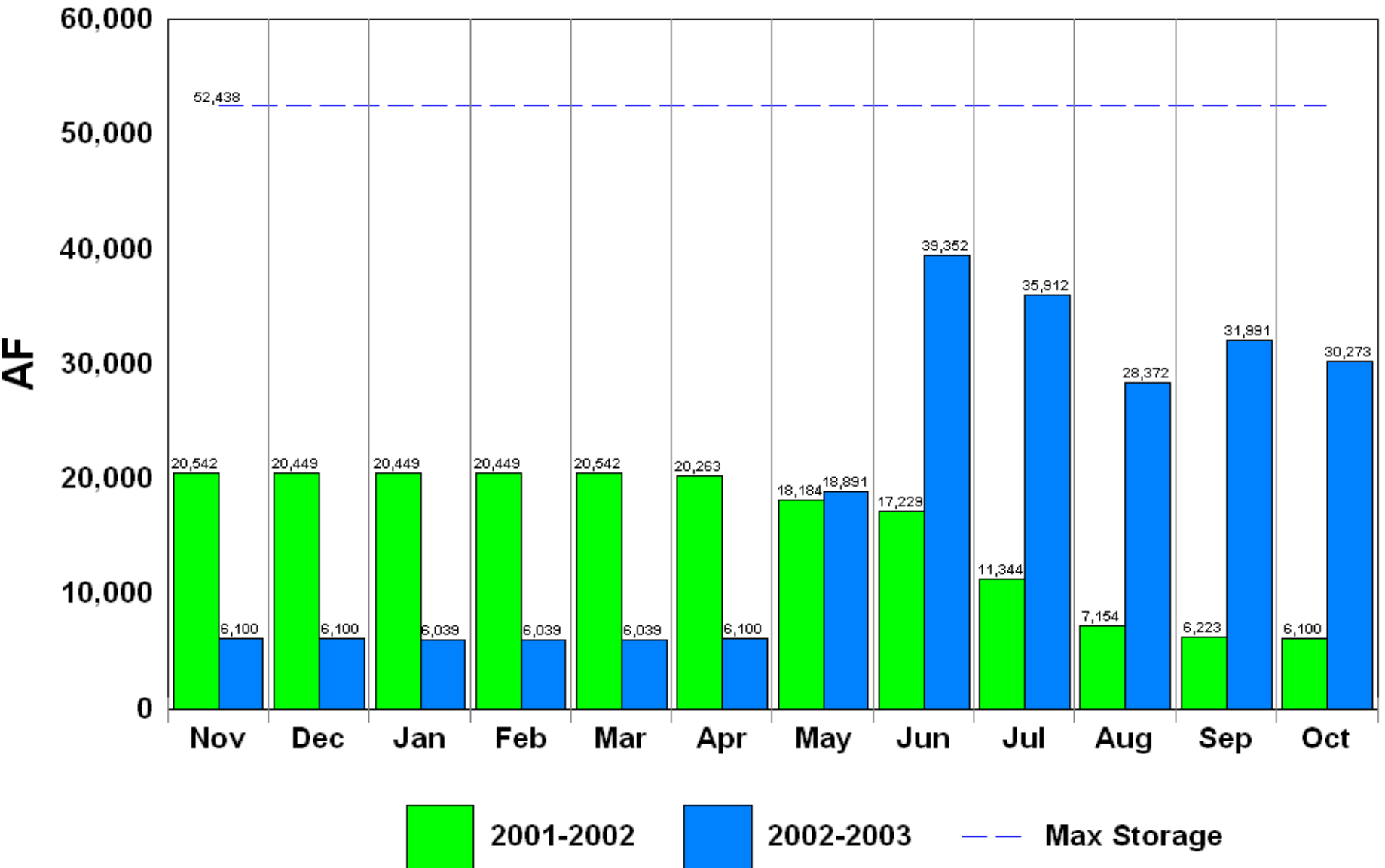
Lower Latham Reservoir

(Agricultural)



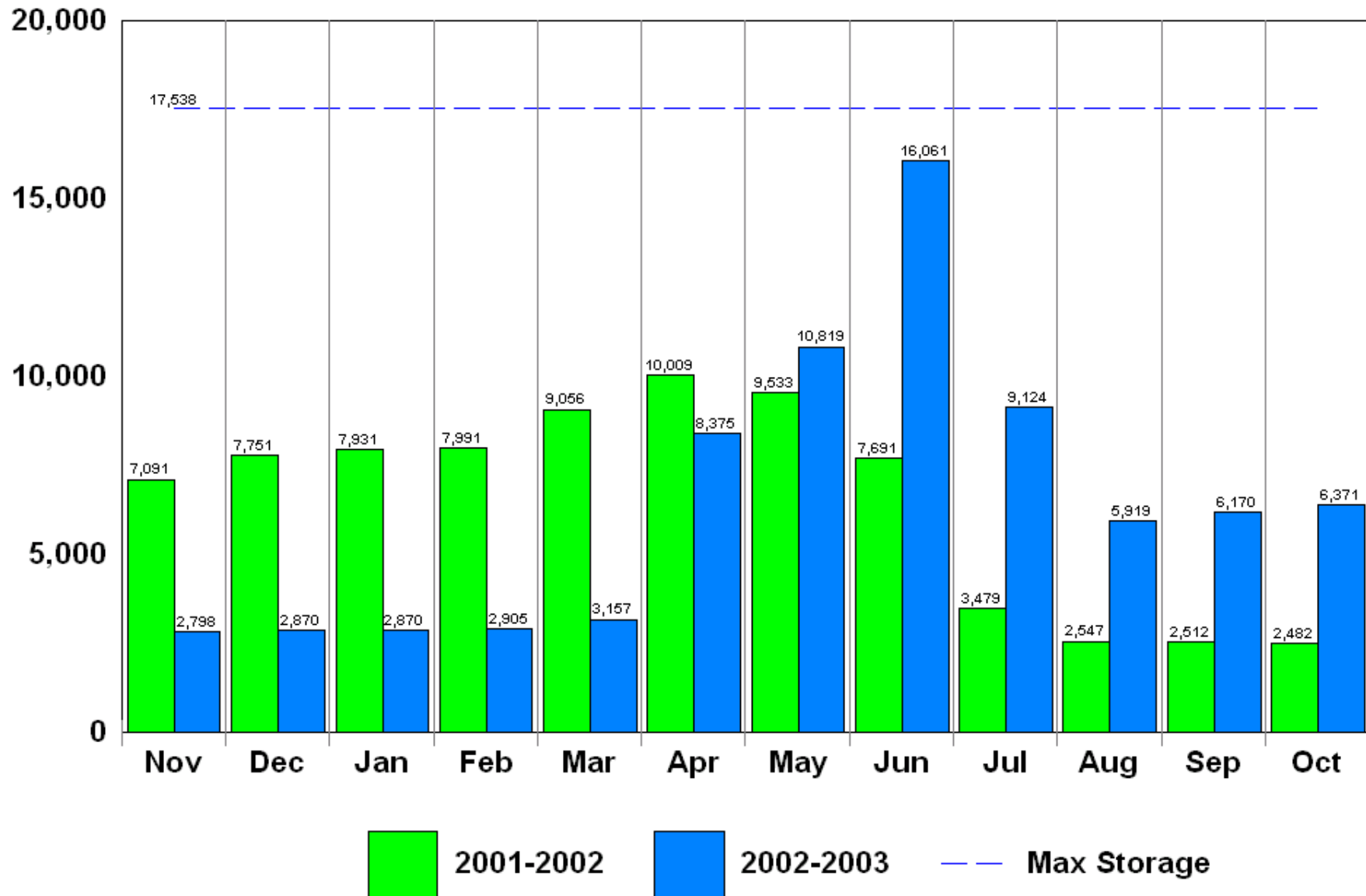
Boyd Lake

(Agricultural)



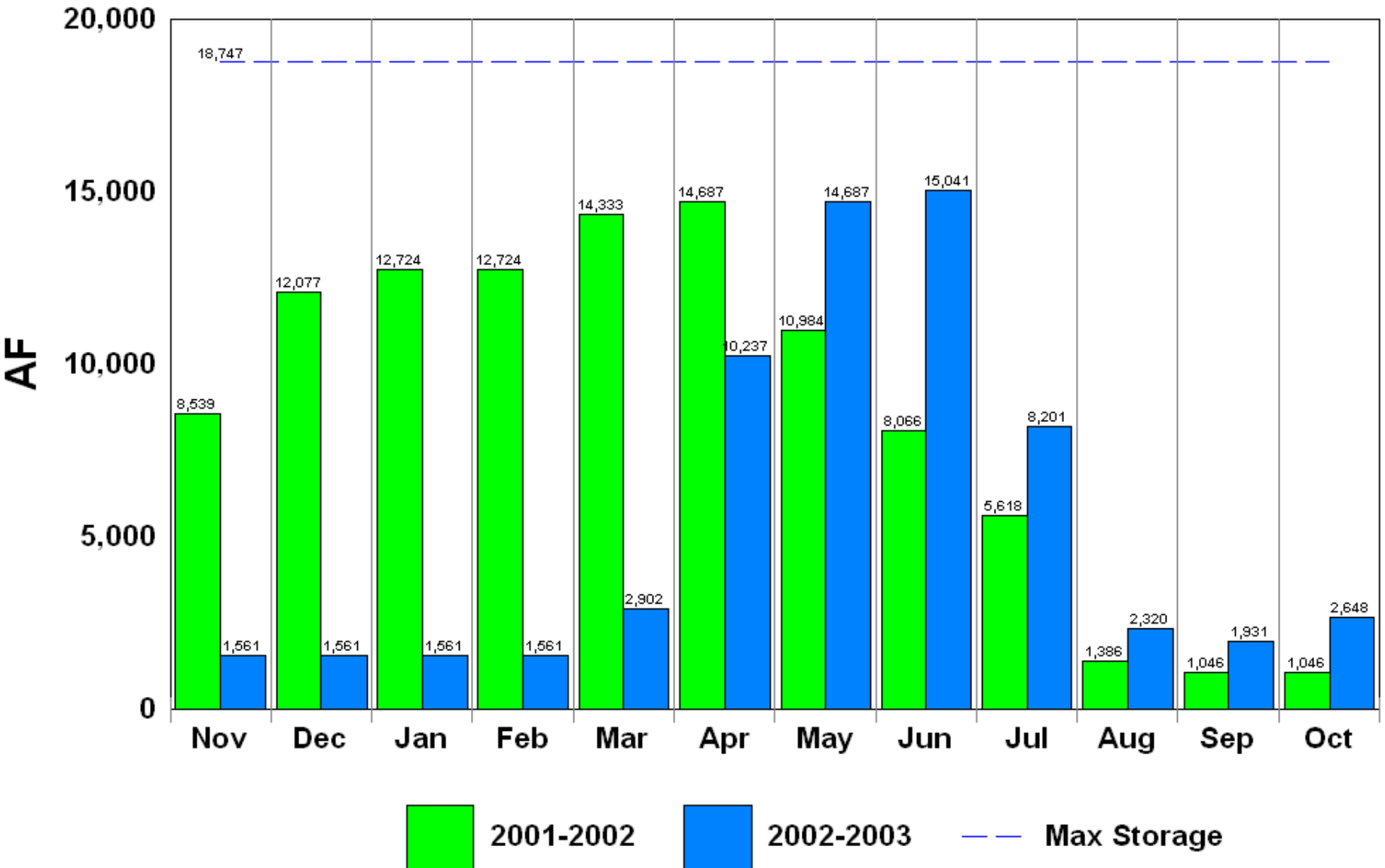
Windsor Reservoir

(Agricultural)



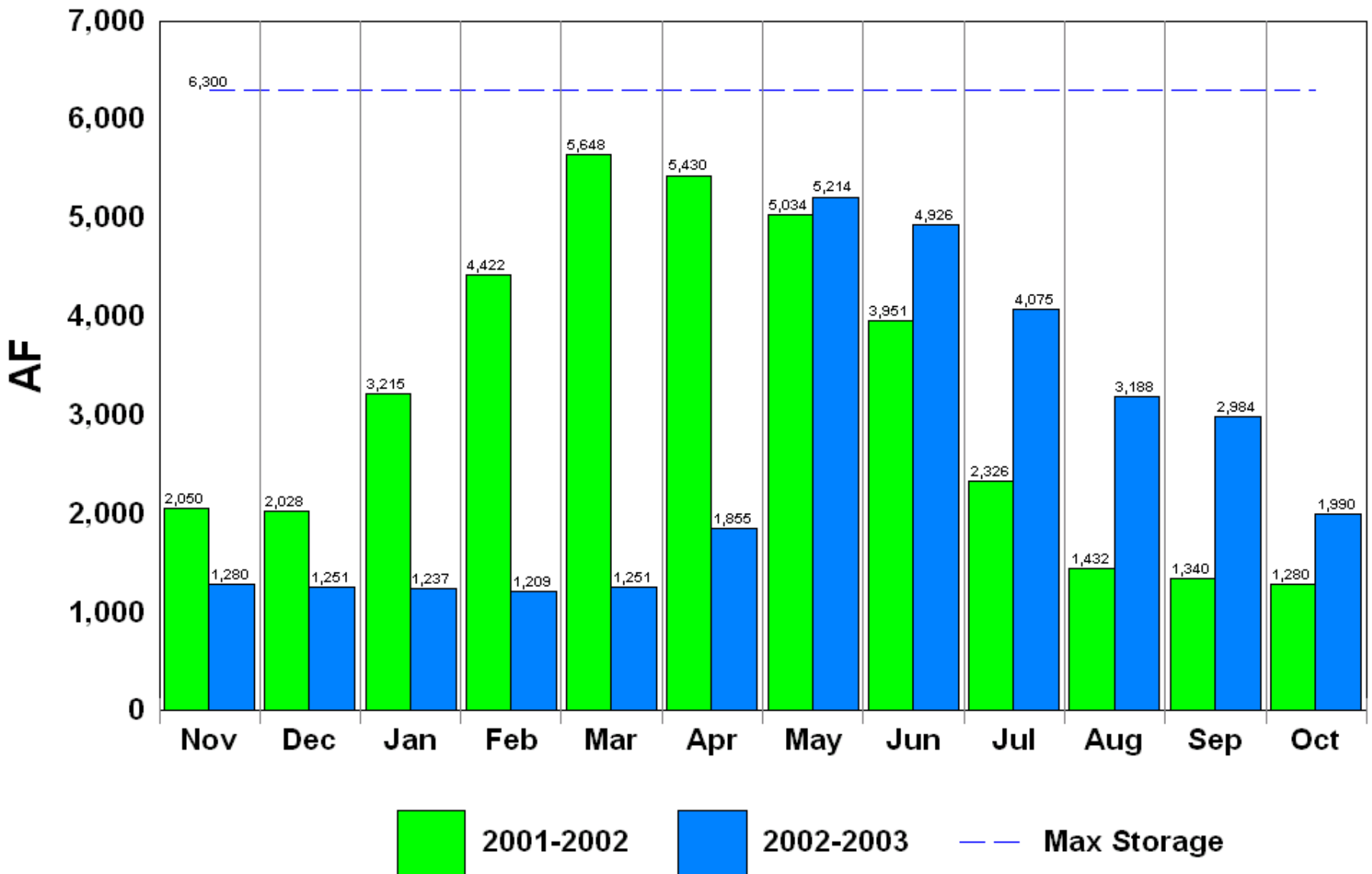
Horse Creek Reservoir

(Agricultural)



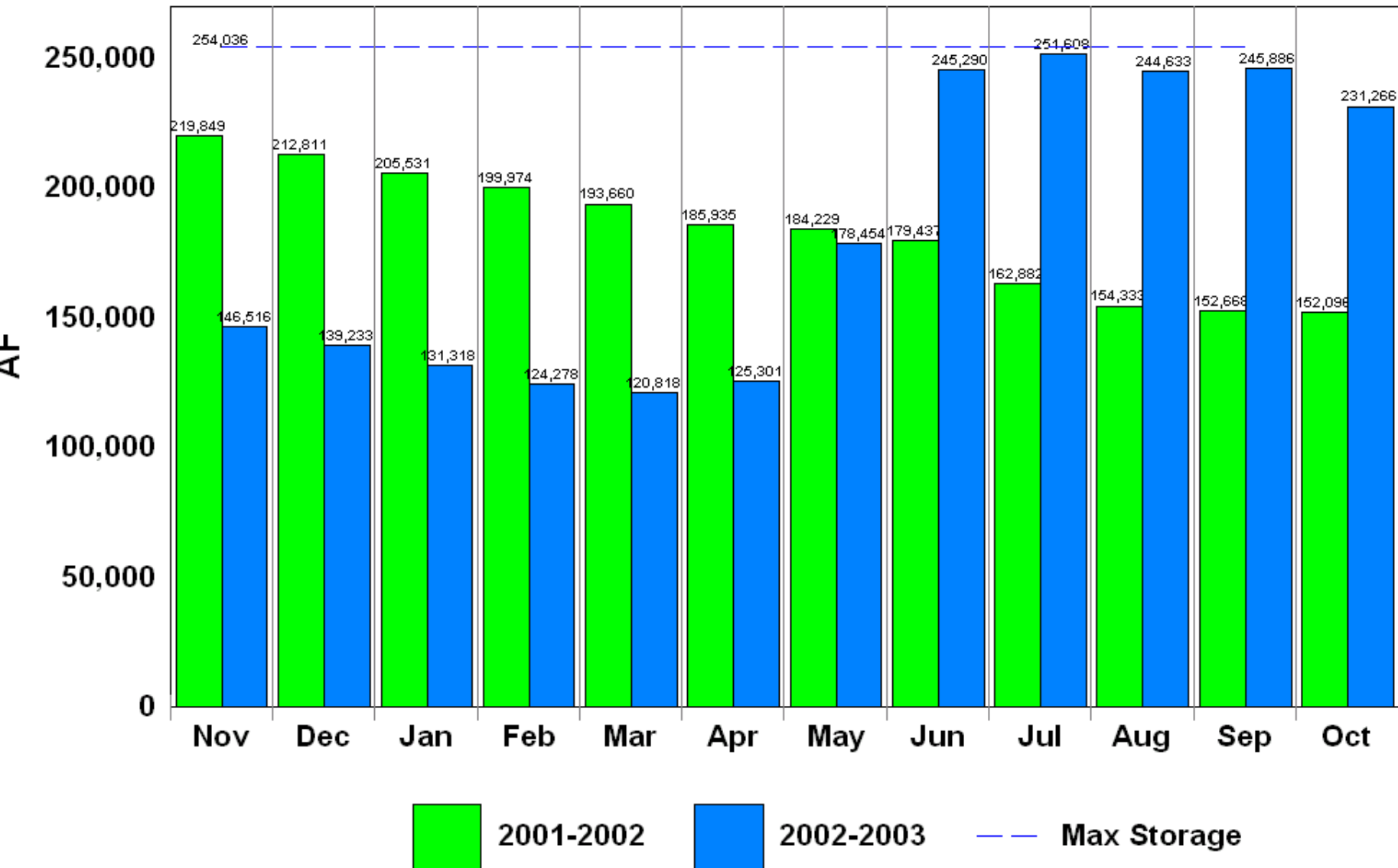
Prospect Reservoir

(Agricultural)



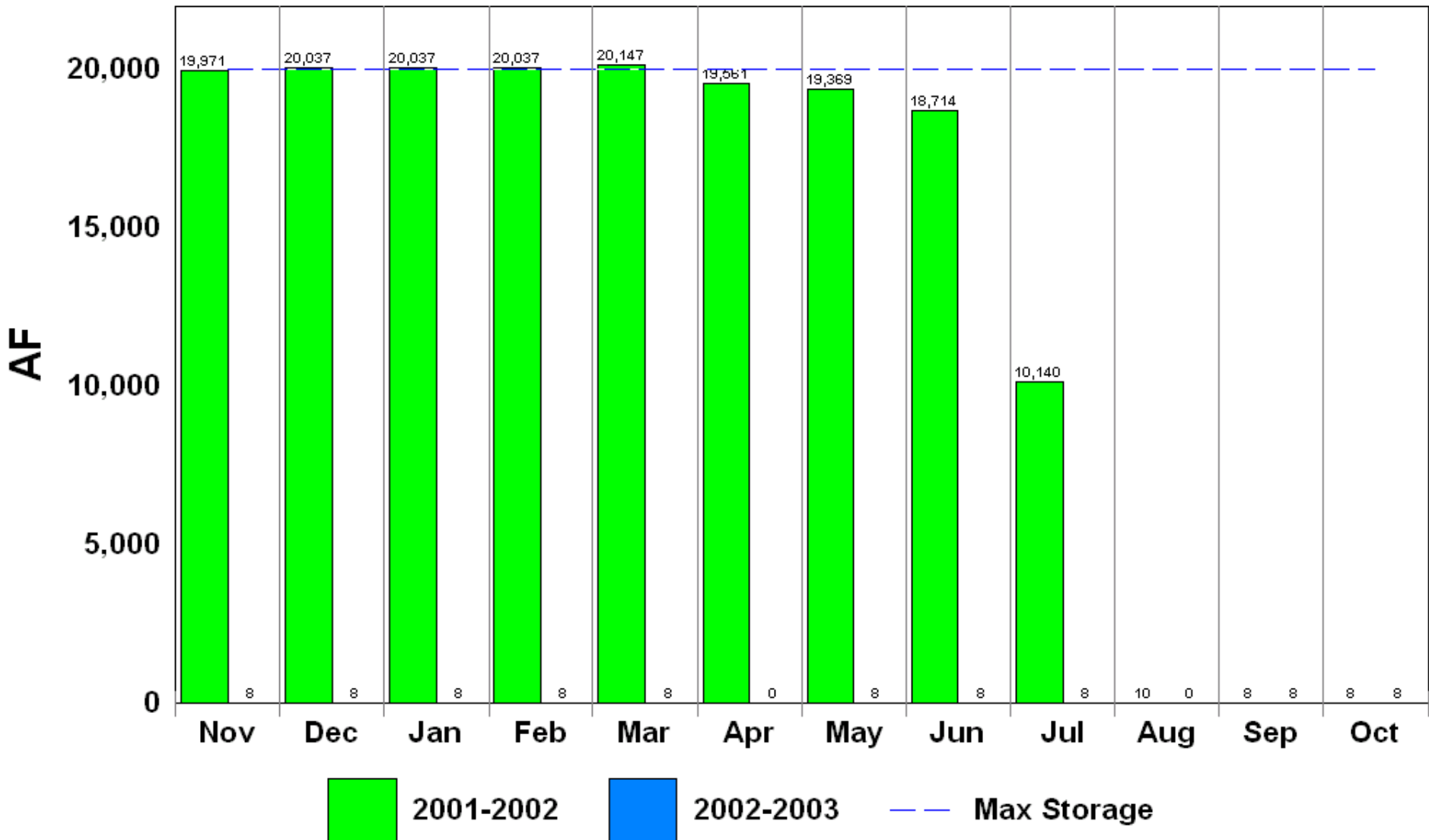
Dillon Reservoir

(Municipal)



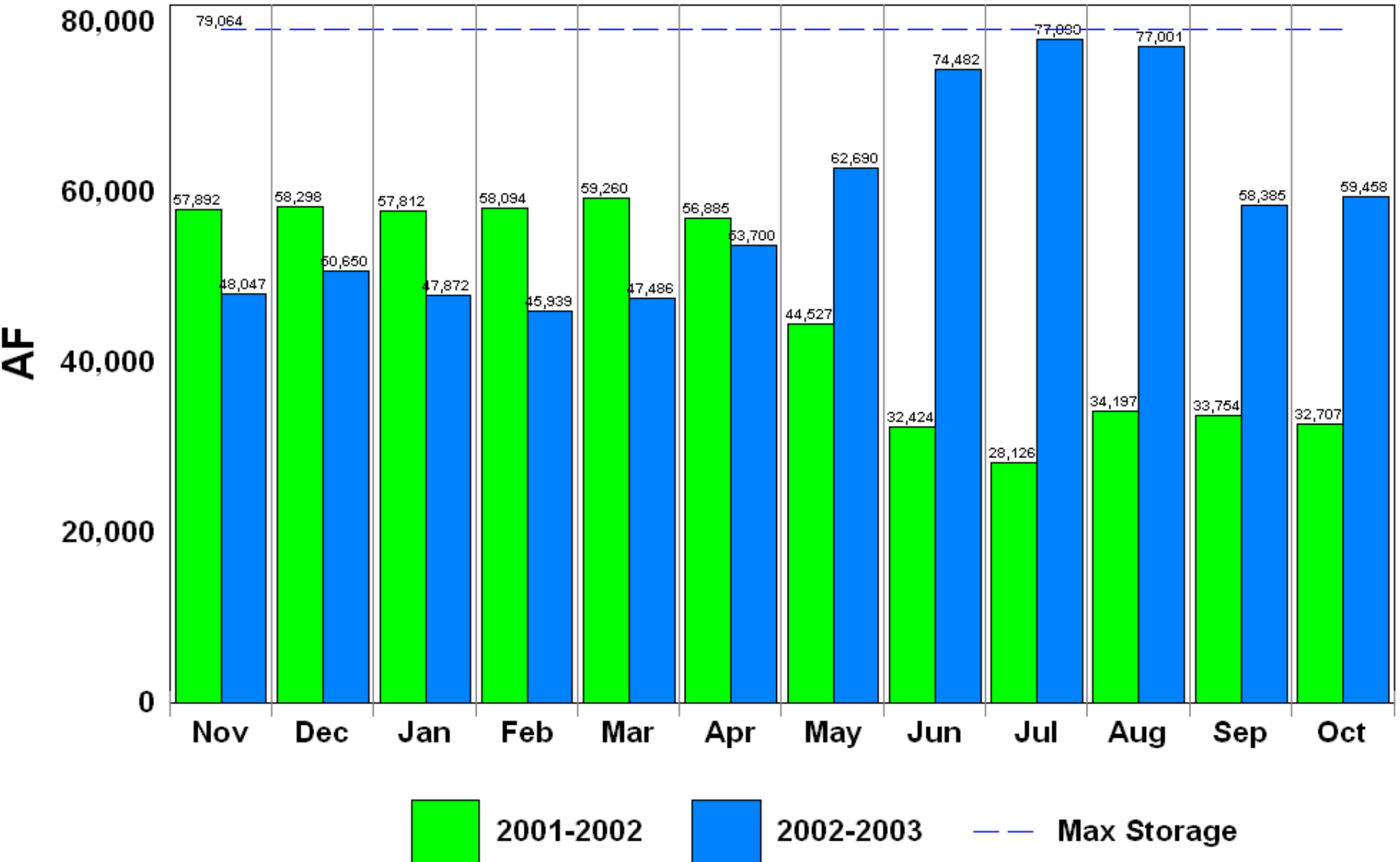
Antero Reservoir

(Municipal)



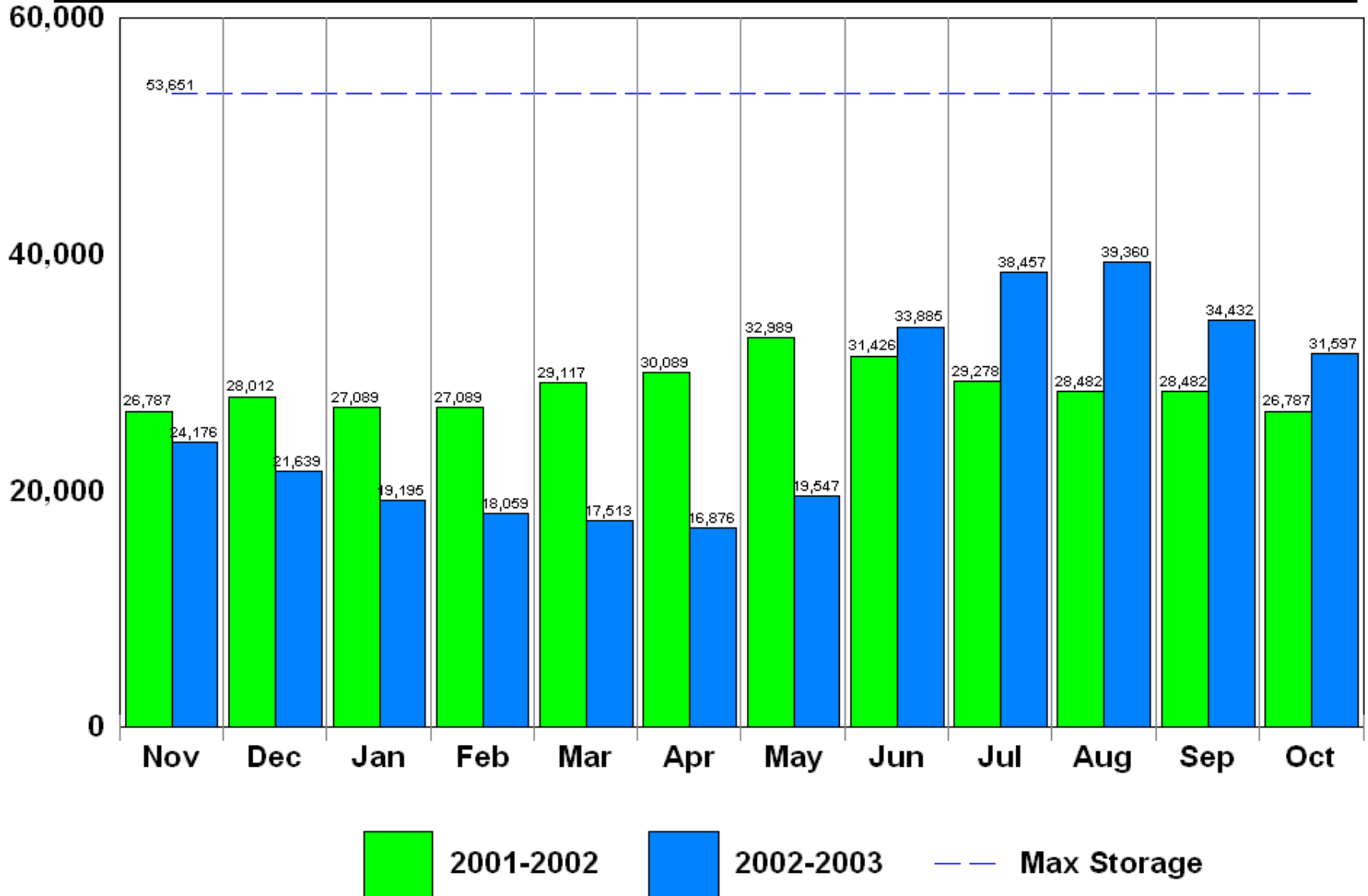
Cheesman Reservoir

(Municipal)



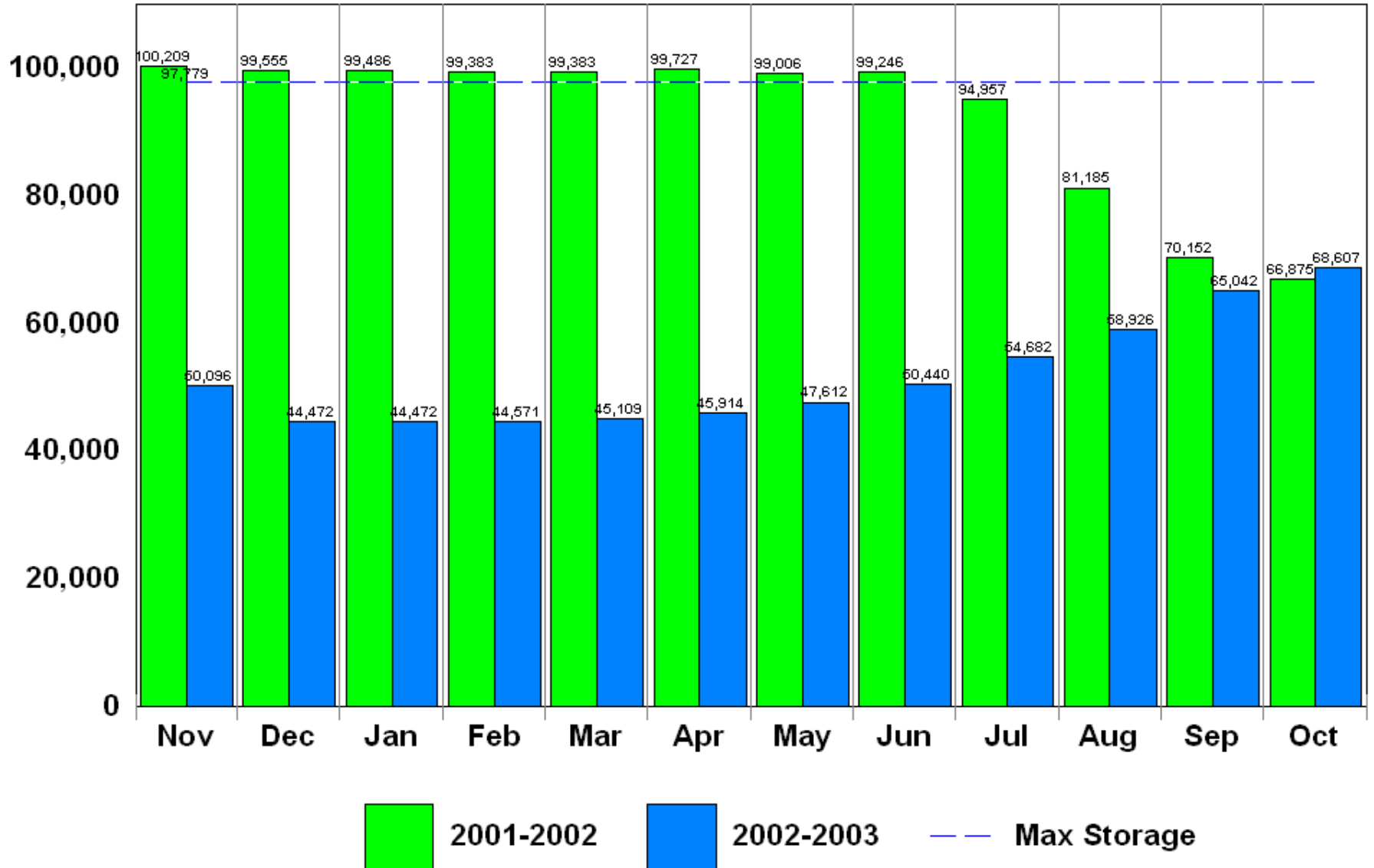
Spinney Mountain Reservoir

(Municipal)

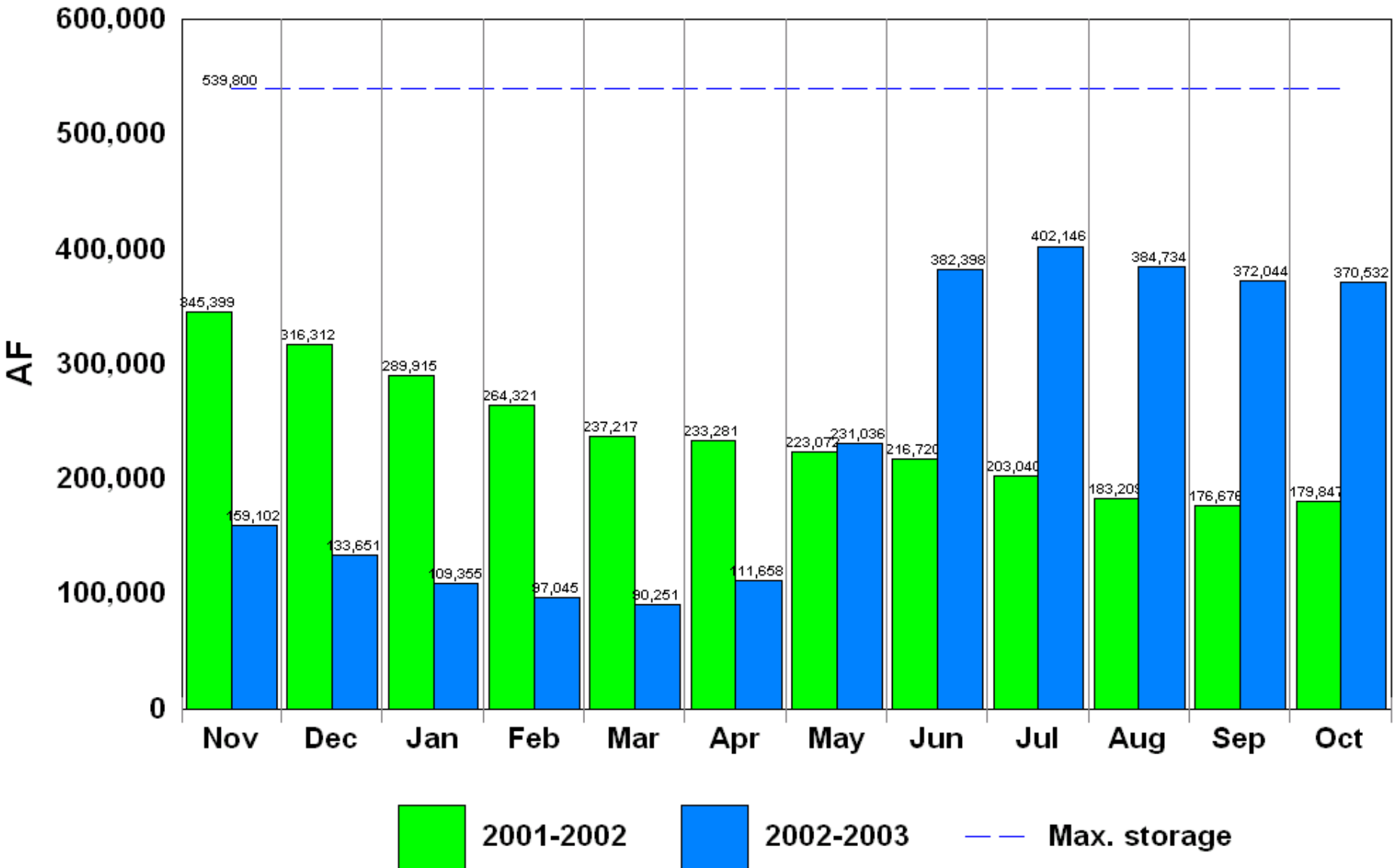


Eleven Mile Reservoir

(Municipal)



Lake Granby



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

