

South Platte Summary

November 2002

By John Lochhead Assistant Division Engineer for Division I, Districts
8,9,80 & 23

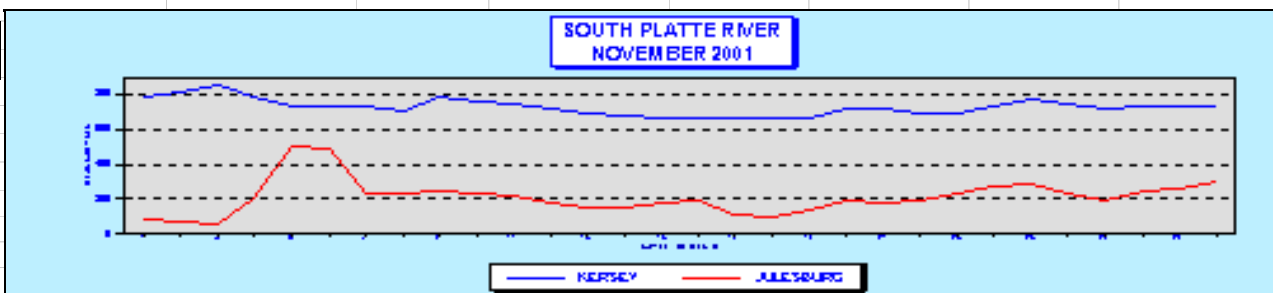
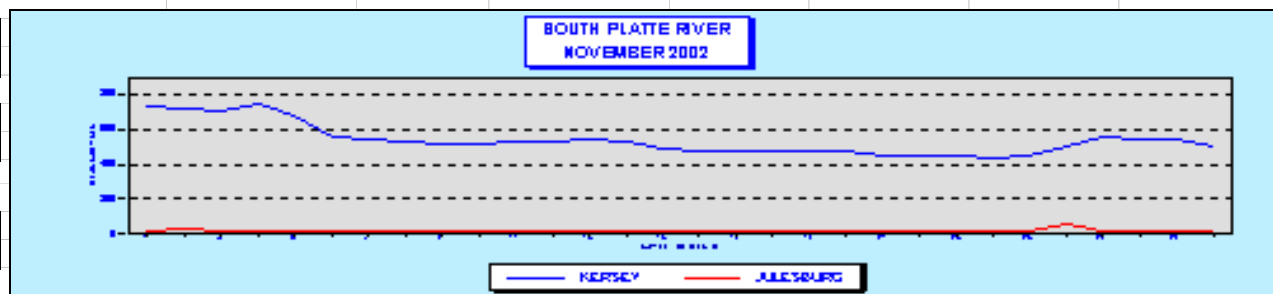
COLORADO DIVISION OF WATER RESOURCES, DIVISION 1

MONTH OF NOVEMBER 2002

05-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	500	16,250	64	15,750	3150%	72%	81%	0
NORTH STERLING	73,730	5,170	11,100	64	5,930	115%	15%	39%	0
PREWITT	28,500	100	100	64	0	0%	0%	41%	0
JACKSON	27,257	0	14,445	1	14,445	ERR	53%	0%	0
EMPIRE	37,700	0	4,170	1	4,170	ERR	11%	36%	0
RIVERSIDE	63,113	0	16,000	1	16,000	ERR	25%	56%	0
BARR LAKE	31,652	1,886	3,766	2	1,880	100%	12%	39%	0
CHEESMAN	79,064	32,707	48,047	80	15,340	47%	61%	73%	0
ELEVEN MILE	97,779	66,875	50,096	23	(16,779)	-25%	51%	100%	0
SPINNEY	53,651	26,787	24,176	23	(2,611)	-10%	45%	50%	0
ANTERO	20,015	8	8	23	0	0%	0%	100%	0

RIVER GAGES	MEAN DAILY FLOW (CFS)
KERSEY	536
JULESBURG	16
THIS MONTH LAST YEAR	
KERSEY	728
JULESBURG	210
MEAN FOR PERIOD OF RECORD*	
KERSEY	780
JULESBURG	358



* 1976-2001
1902-2001

Preliminary data indicates a new mean monthly low for November at Julesburg

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

South Platte River at Kersey

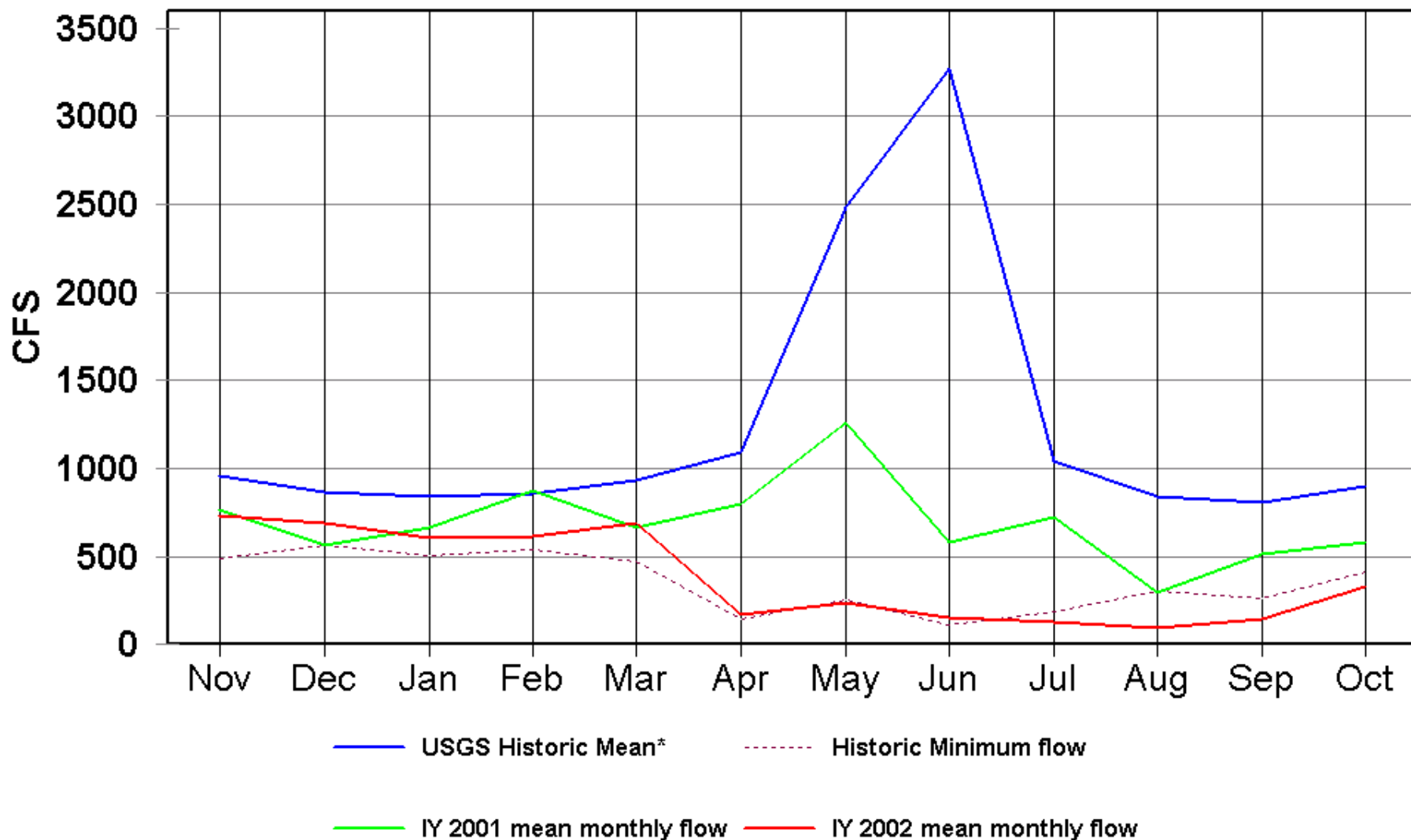
South Platte River at Julesburg

	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	953	2585	1985	488	1978	536		Nov	358	2358	1985	23	1911	16
Dec	863	1337	1985	568	1982			Dec	420	1371	1985	18.8	1912	
Jan	845	1434	1984	503	1982			Jan	538	1571	1998	89.9	1965	
Feb	858	1641	1984	540	1978			Feb	619	1864	1930	78.9	1935	
Mar	929	1852	1983	473	1982			Mar	559	2200	1939	56.9	1904	
Apr	1096	3894	1983	144	1982			Apr	555	2808	1983	17.3	1904	
May	2486	13060	1980	251	1977			May	1075	9922	1980	24.1	1911	
Jun	3267	14520	1983	113	1977			Jun	1504	12200	1983	8.33	1910	
Jul	1040	5784	1983	183	1994			Jul	309	5059	1983	2.15	1903	
Aug	844	2783	1984	304	1981			Aug	189	1882	1997	2.52	1902	
Sep	809	2079	1984	259	1977			Sep	252	1964	1984	5.6	1903	
Oct	894	3388	1985	415	1978			Oct	318	2427	1985	5.85	1904	

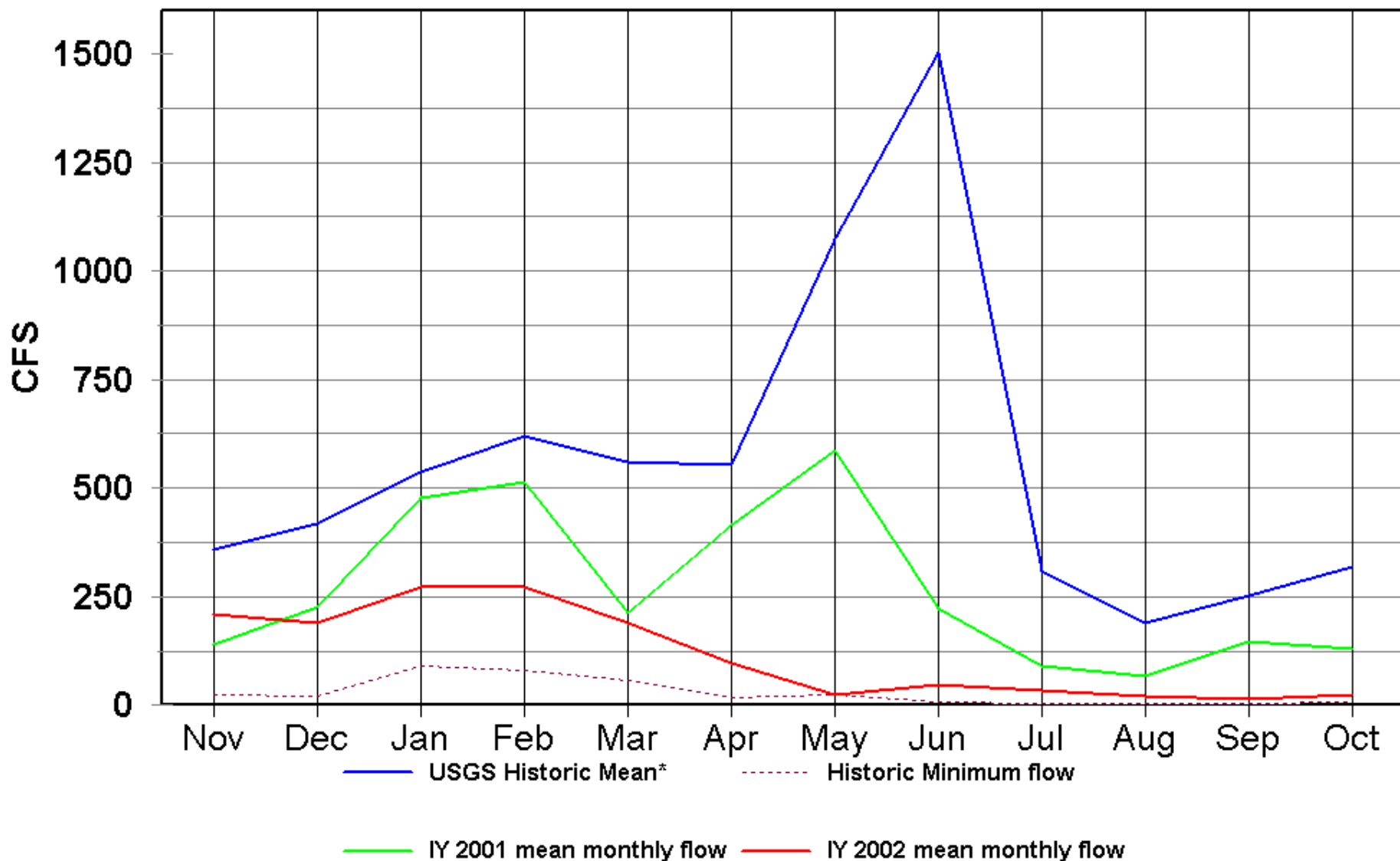
*Period of record 1976-2001

*Period of record 1902-2001

South Platte River at Kersey IY 2002



South Platte River at Julesburg IY 2002



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

South Platte River at Kersey

South Platte River at Julesburg

	South Platte River at Kersey							South Platte River at Julesburg							
	USGS Historic Mean *	Historic Max flow *	Year	Historic Mir flow *	Year	IY 2002 mean monthly flow	Estimated Mean	USGS Historic Mean *	Historic Max flow *	Year	Historic Min flow *	Year	IY 2002 mean monthly flow	Estimated Mean	
Nov	953	2585	1985	488	1978	728		Nov	358	2358	1985	23	1911	210	
Dec	863	1337	1985	568	1982	689		Dec	420	1371	1985	18.8	1912	188	*
Jan	845	1434	1984	503	1982	609		Jan	538	1571	1998	89.9	1965	273	*
Feb	858	1641	1984	540	1978	615		Feb	619	1864	1930	78.9	1935	272	*
Mar	929	1852	1983	473	1982	686		Mar	559	2200	1939	56.9	1904	190	*
Apr	1096	3894	1983	144	1982	171		Apr	555	2808	1983	17.3	1904	97	
May	2486	13060	1980	251	1977	235		May	1075	9922	1980	24.1	1911	24	
Jun	3267	14520	1983	113	1977	149		Jun	1504	12200	1983	8.33	1910	46	
Jul	1040	5784	1983	183	1994	124		Jul	309	5059	1983	2.15	1903	34	
Aug	844	2783	1984	304	1981	92		Aug	189	1882	1997	2.52	1902	19	
Sep	809	2079	1984	259	1977	143		Sep	252	1964	1984	5.6	1903	13	
Oct	894	3388	1985	415	1978	325		Oct	318	2427	1985	5.85	1904	25	

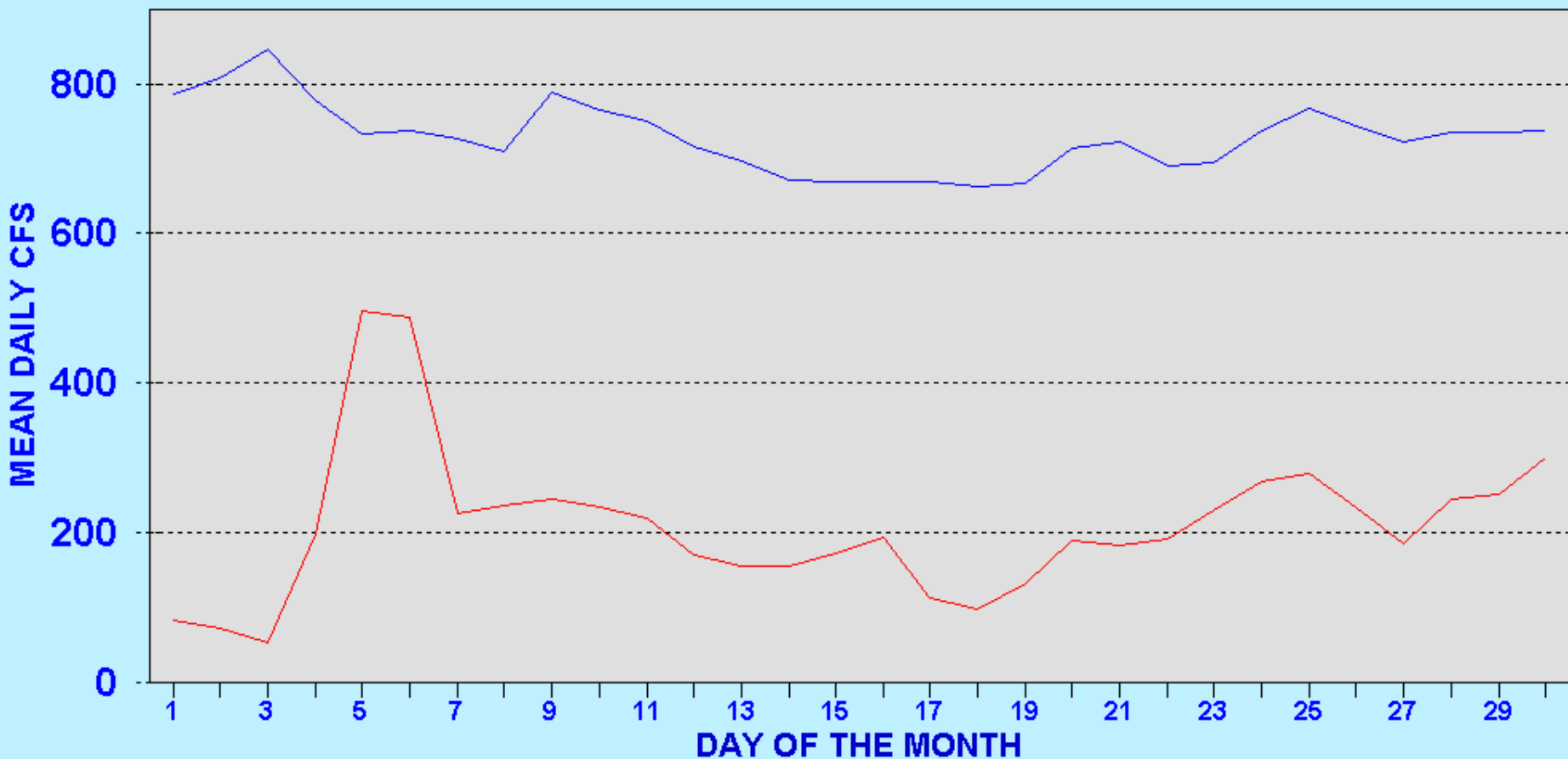
*Period of record 1976-2001

*Period of record 1902-2001

2002 Irrigation year November 2001 October 2002

By John Lochhead

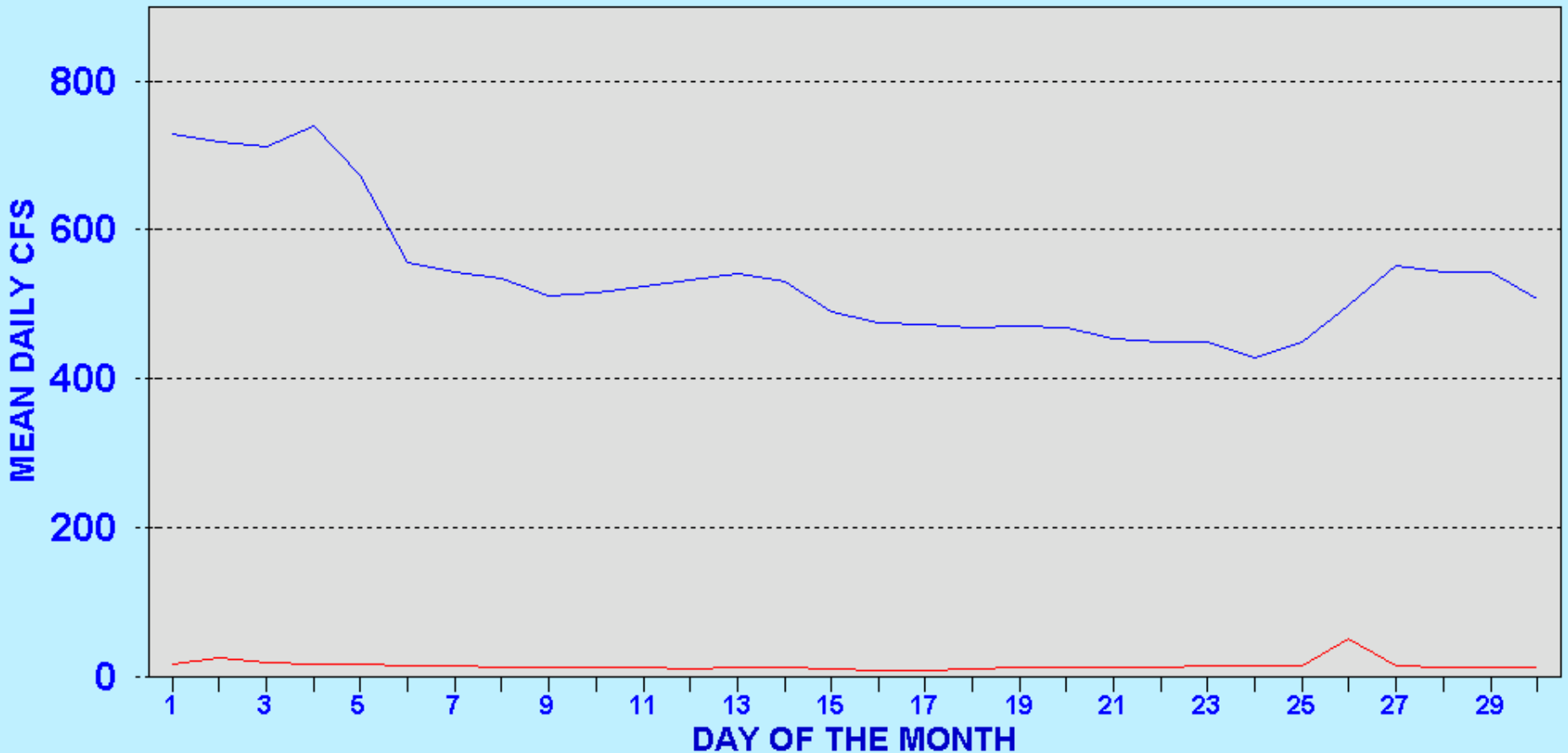
SOUTH PLATTE RIVER NOVEMBER 2001



— KERSEY

— JULESBURG

SOUTH PLATTE RIVER NOVEMBER 2002

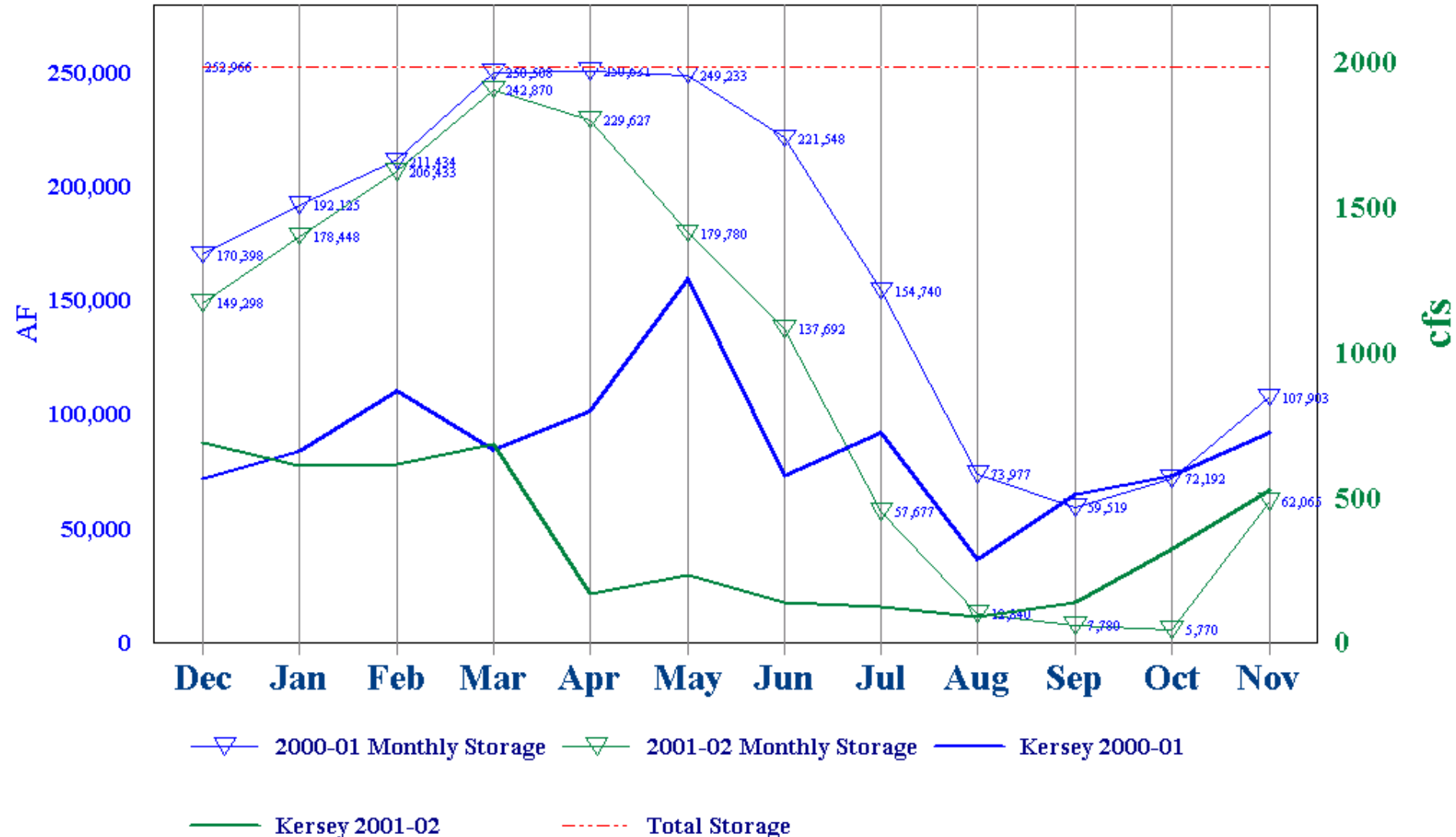


— KERSEY

— JULESBURG

Reservoir Storage below Kersey

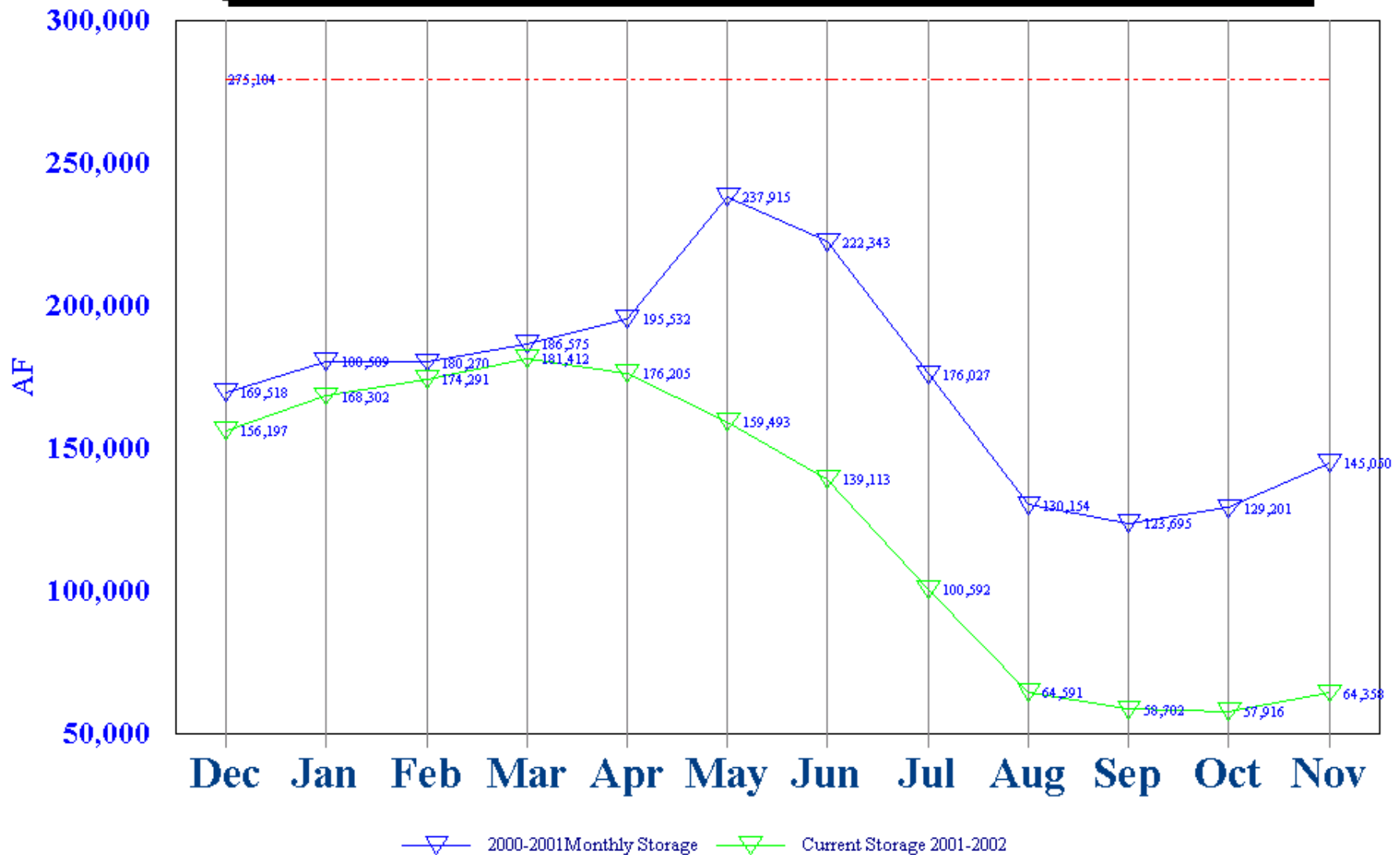
Selected Reservoirs*



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

Reservoir Storage above Kersey

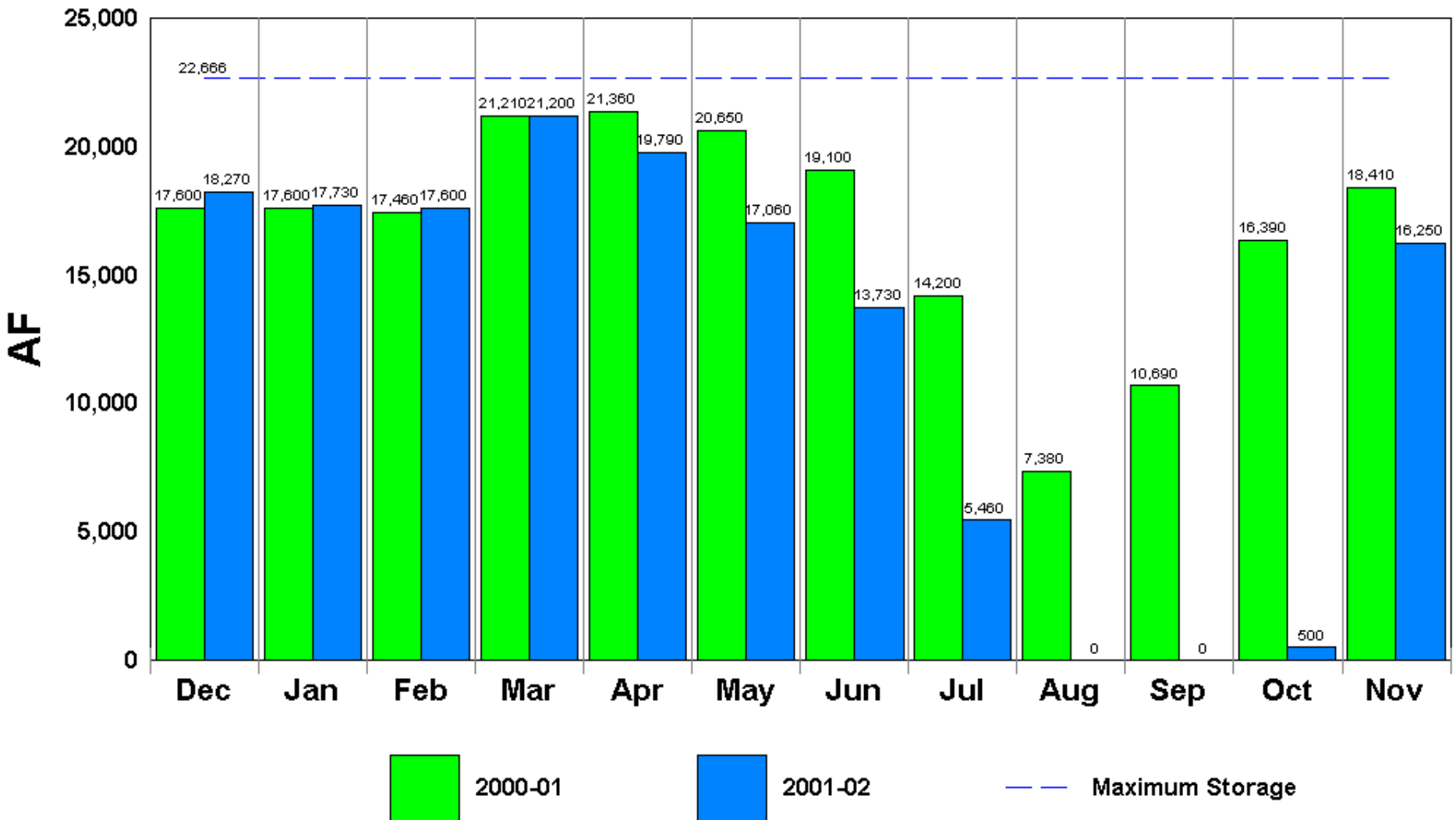
Selected Reservoirs*



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

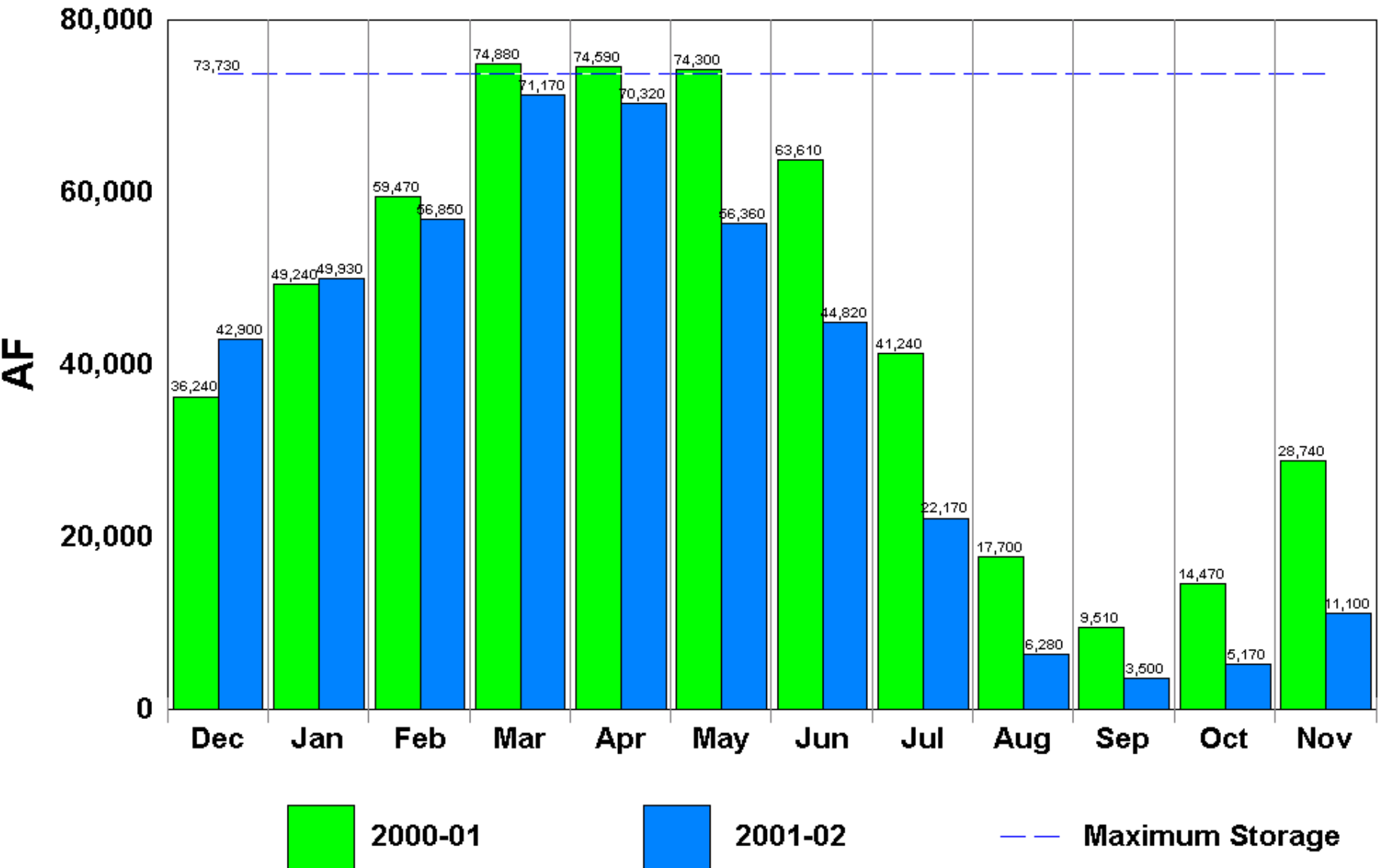
Julesburg Reservoir

(Agricultural)



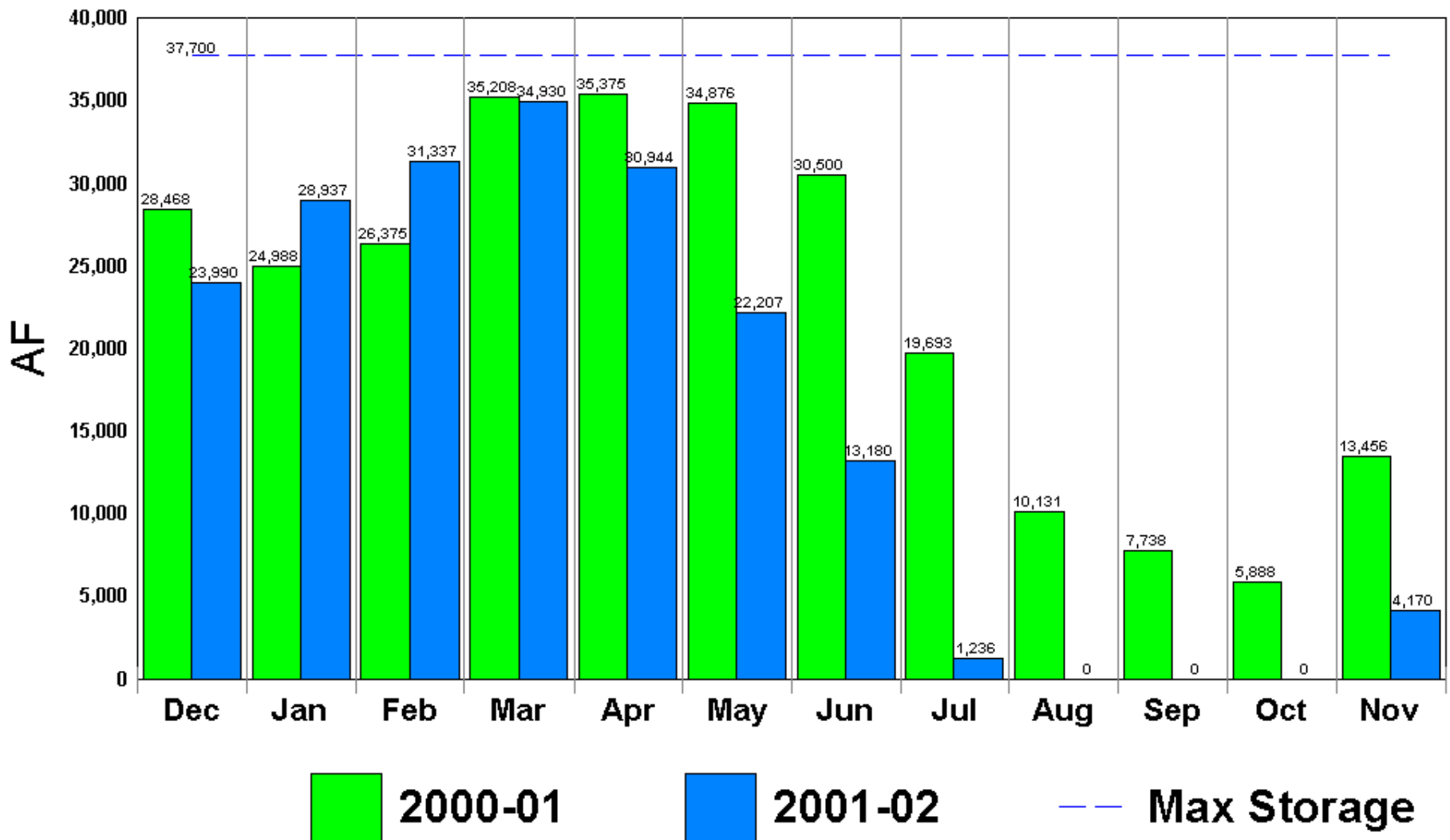
N. Sterling Reservoir

(Agricultural)



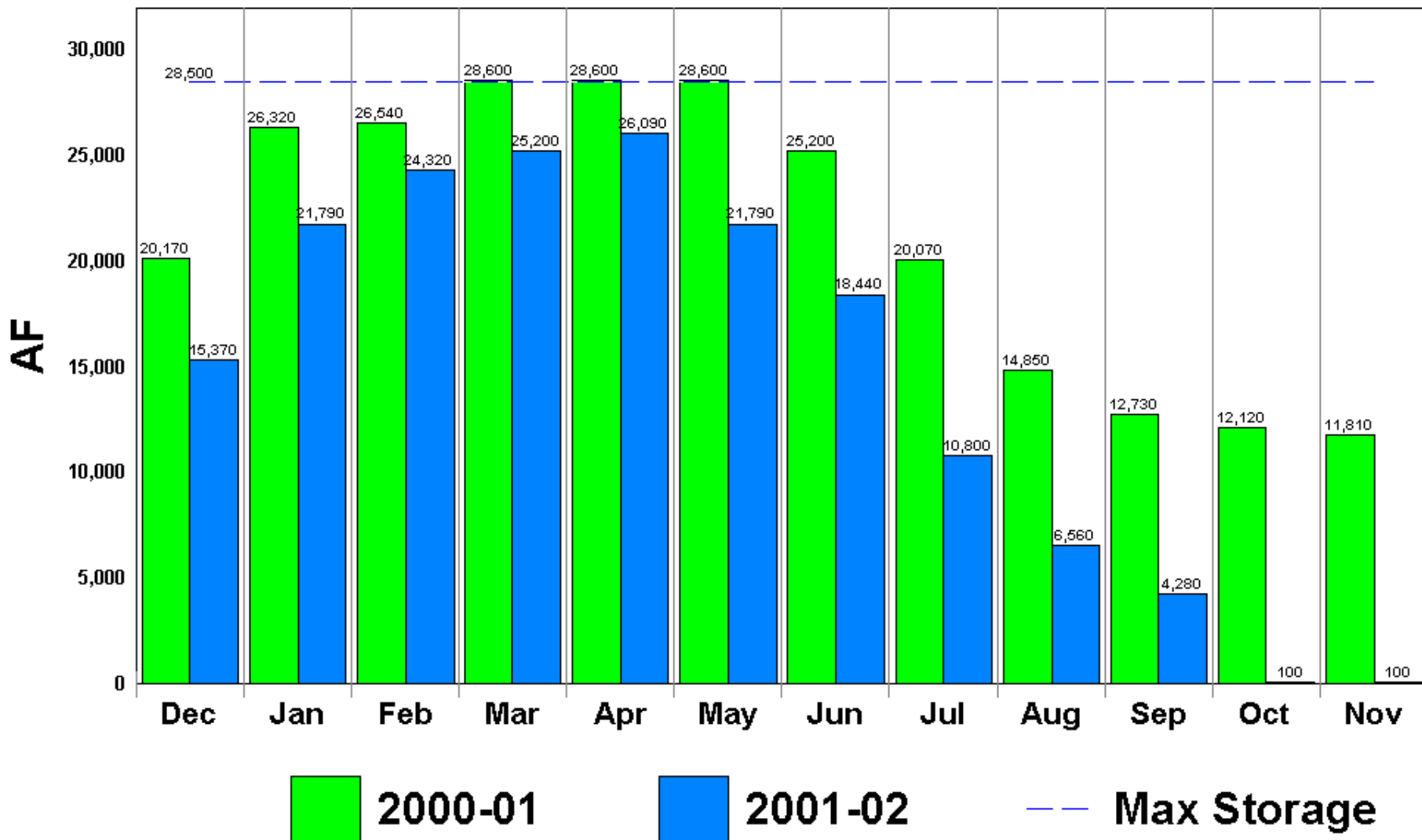
Empire Reservoir

(Agricultural)



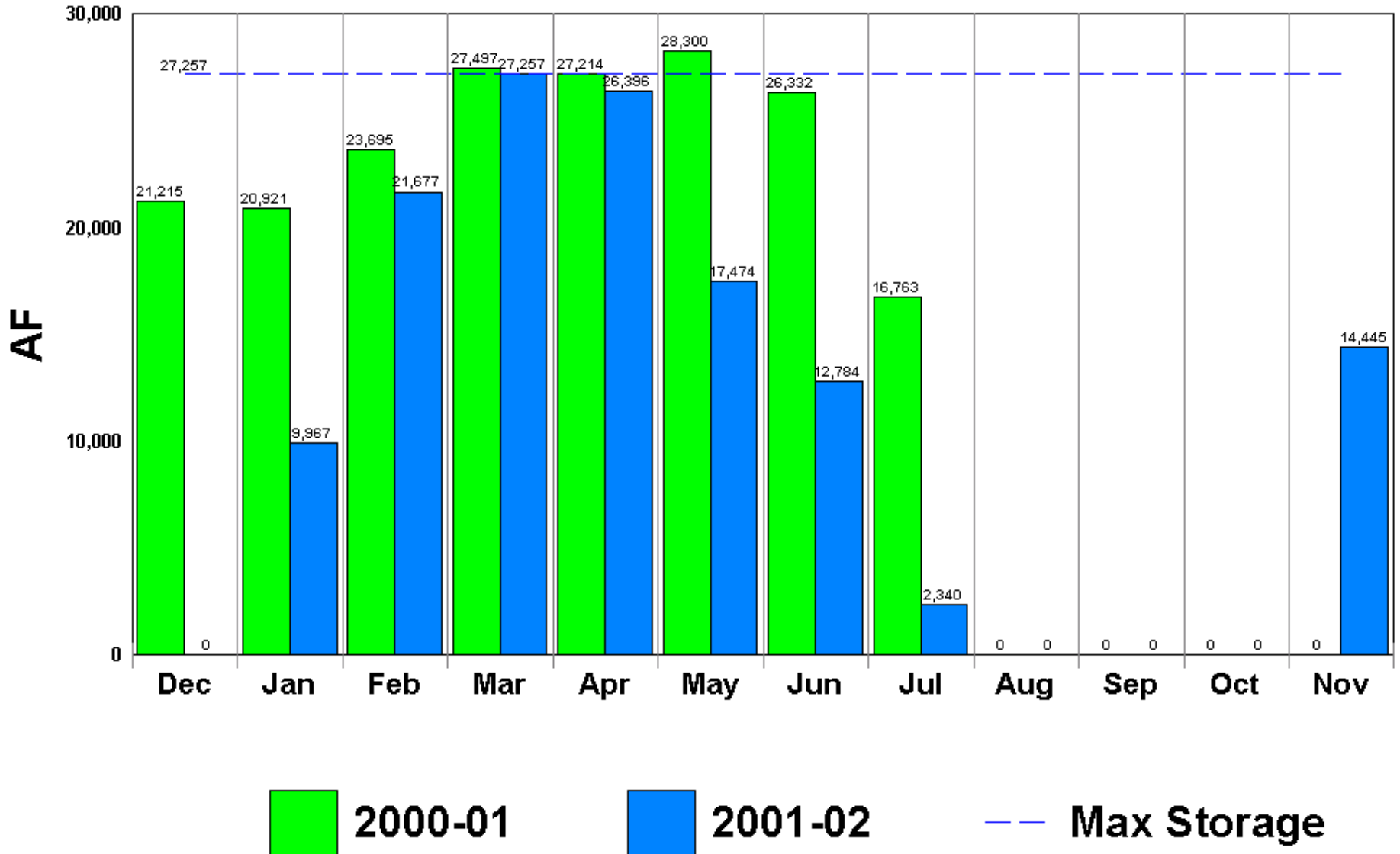
Prewitt Reservoir

(Agricultural)



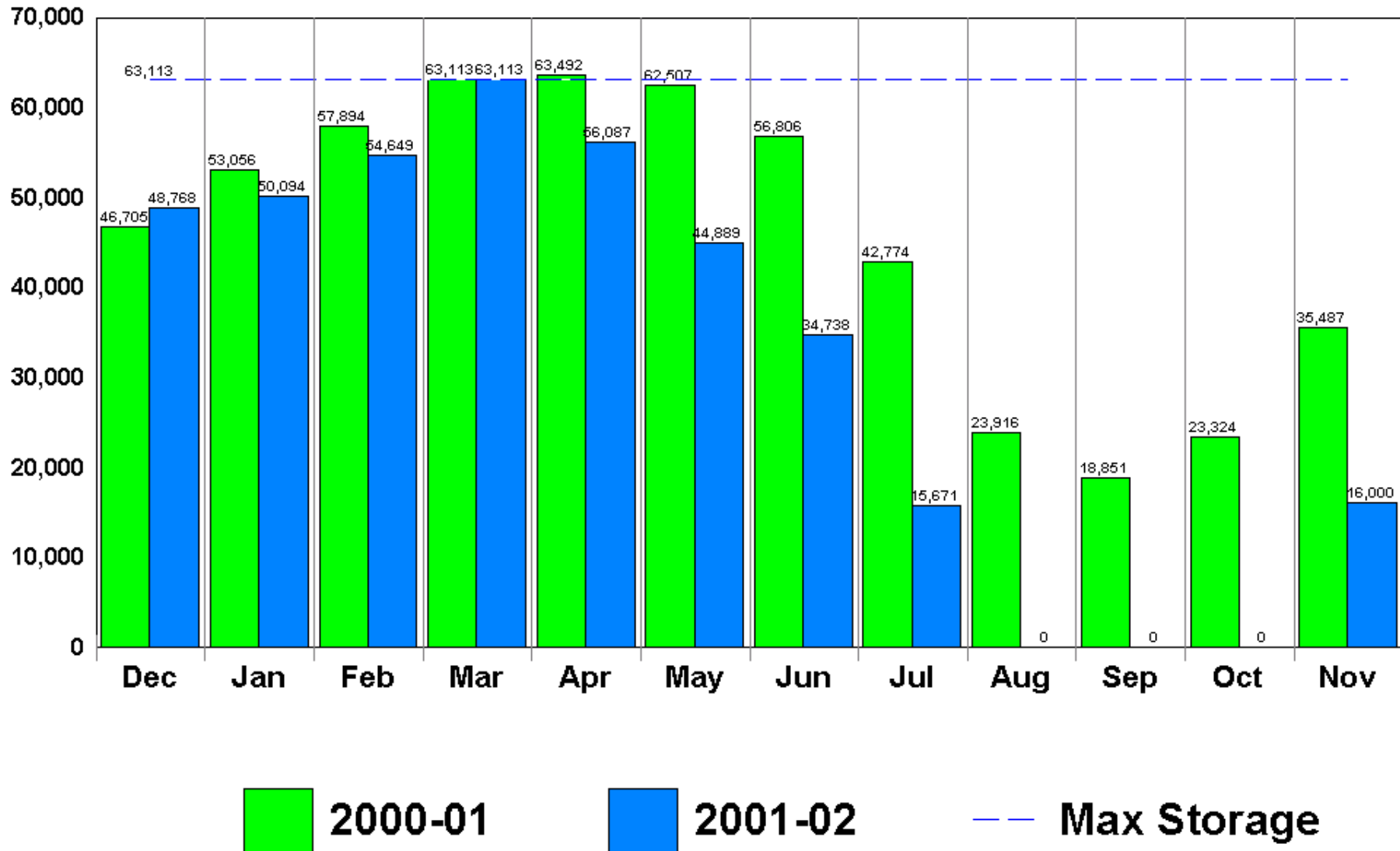
Jackson Reservoir

(Agricultural)



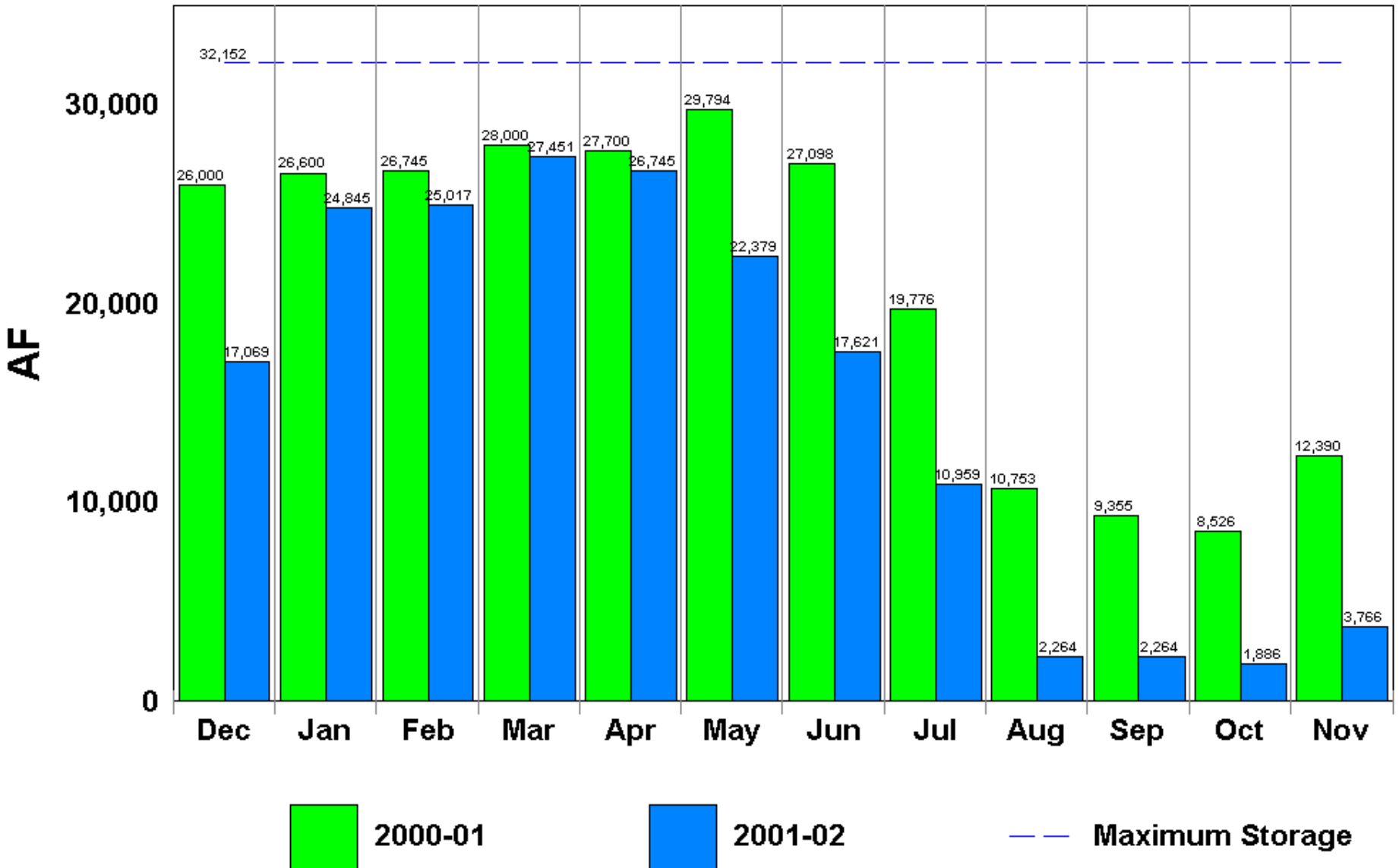
Riverside Reservoir

(Agricultural)



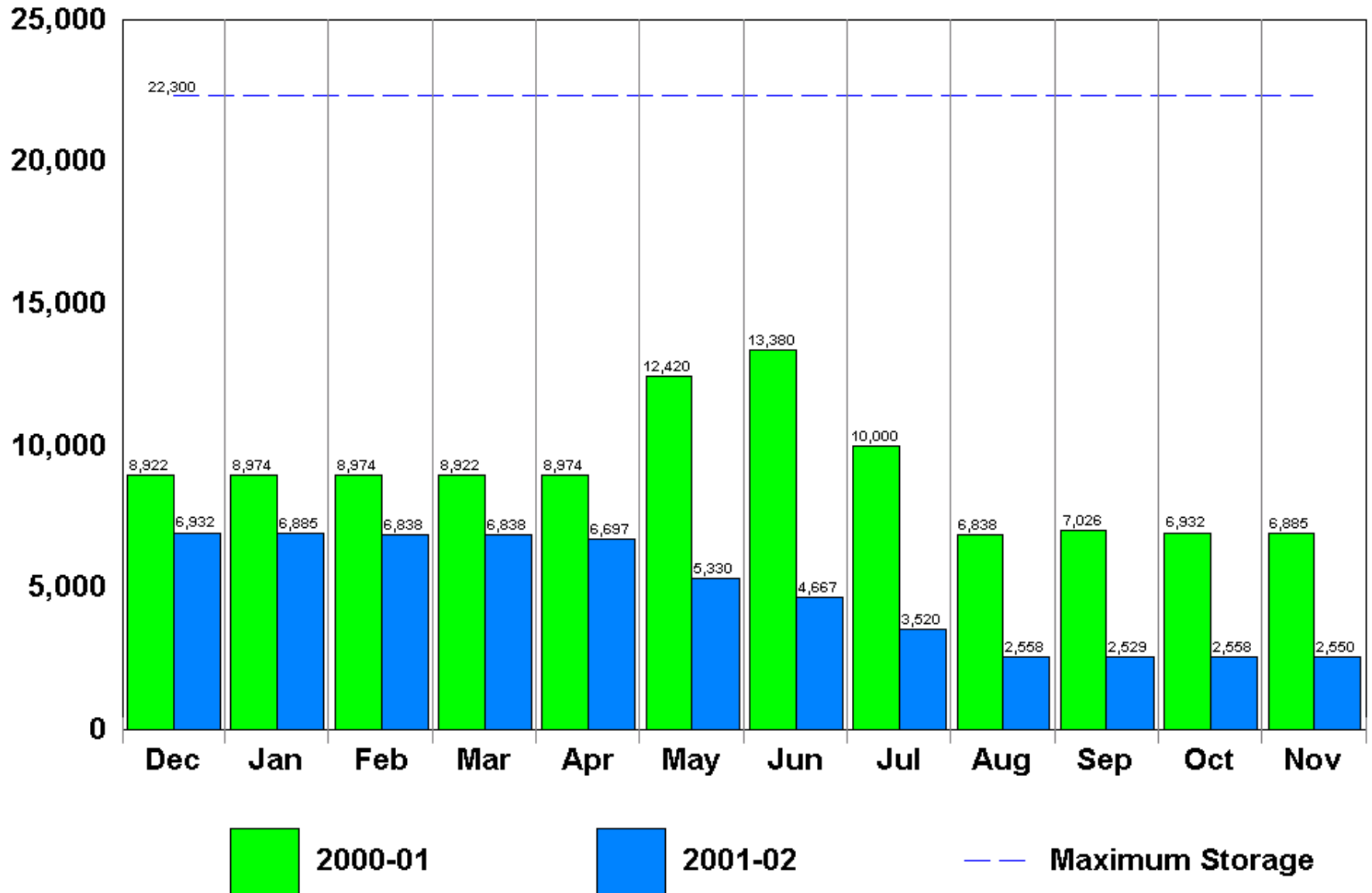
Barr Lake

(Agricultural)



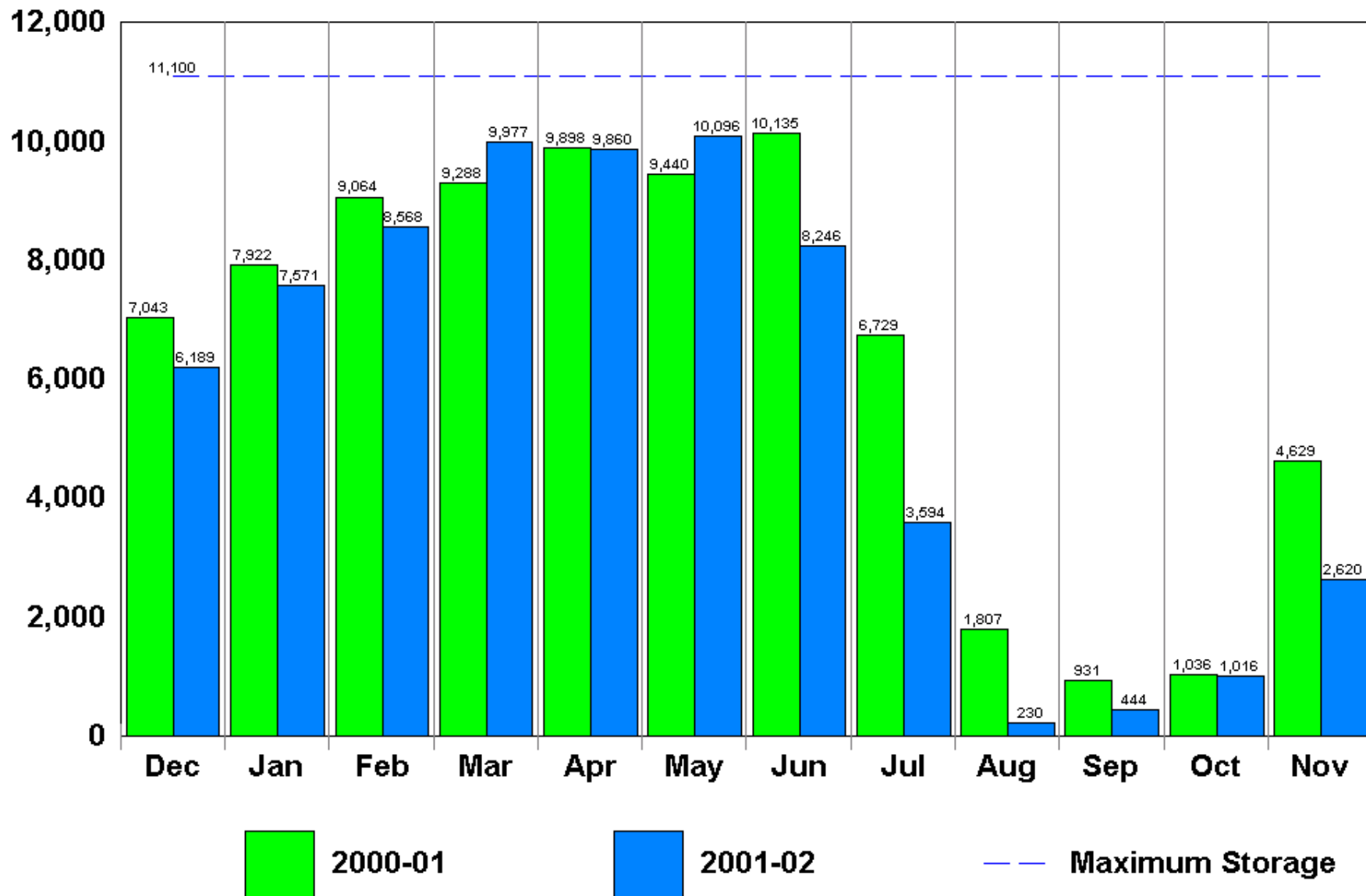
Cobb Lake

(Agricultural)



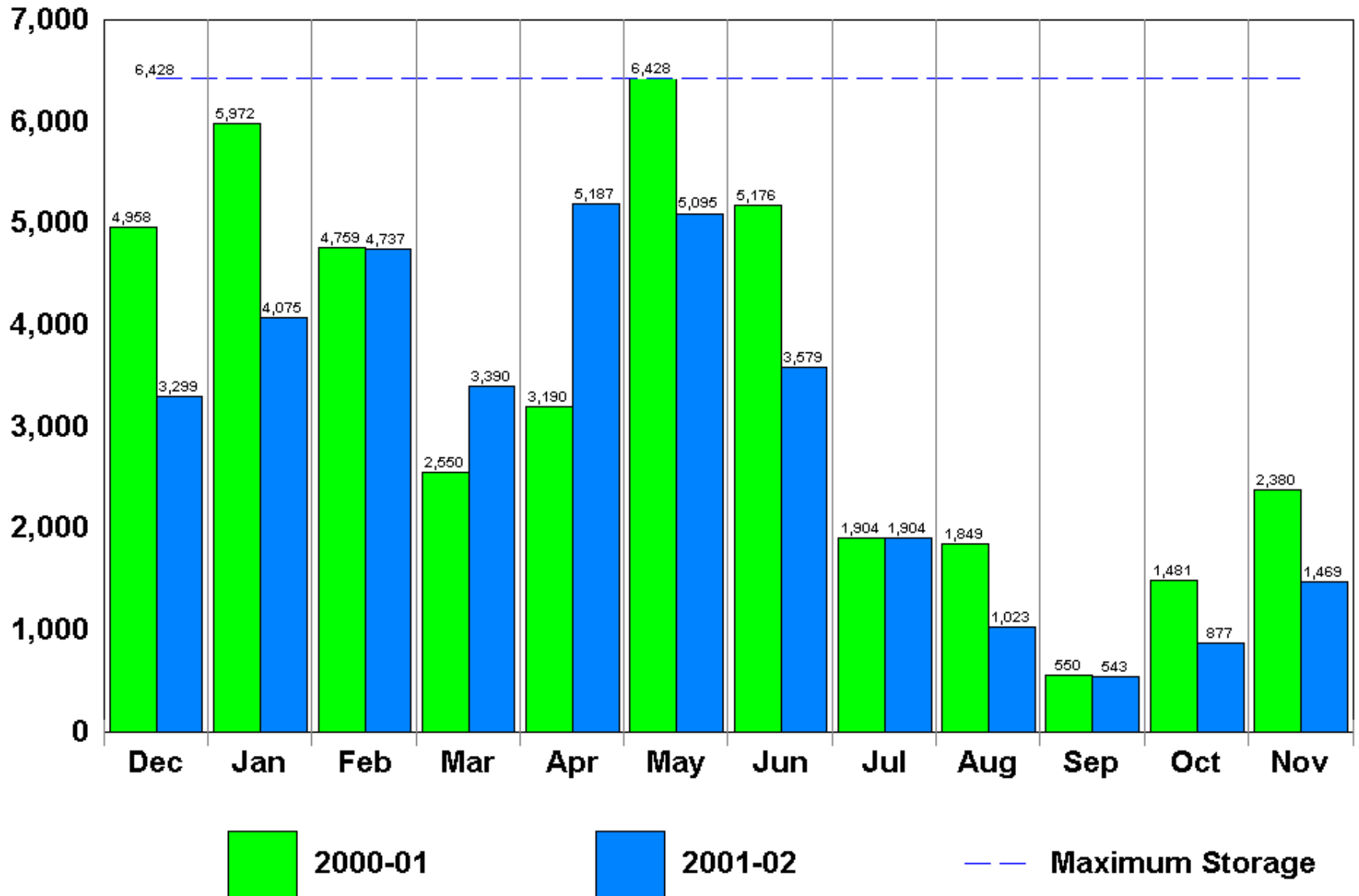
Fossil Creek Reservoir

(Agricultural)



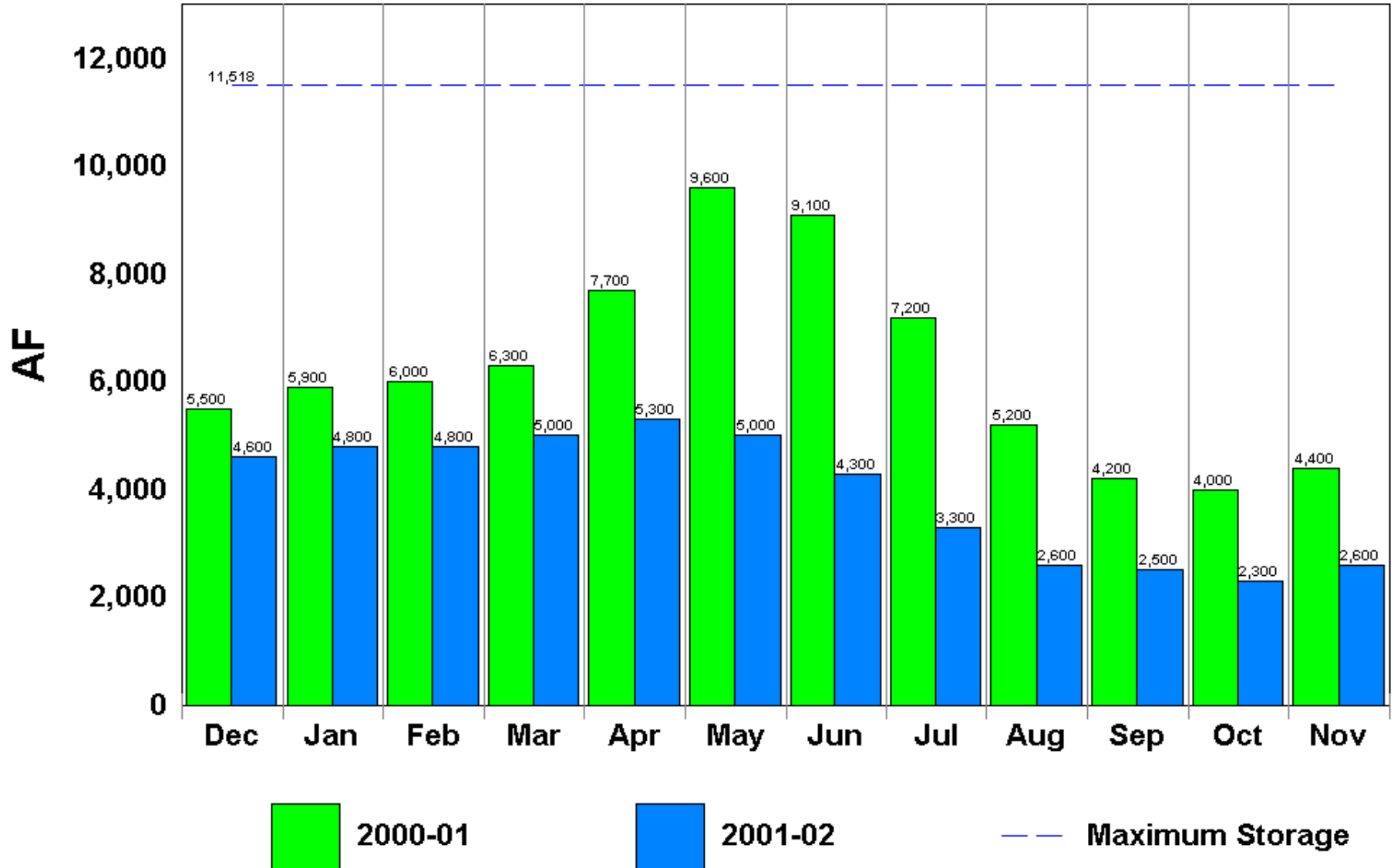
Halligan Reservoir

(Agricultural)



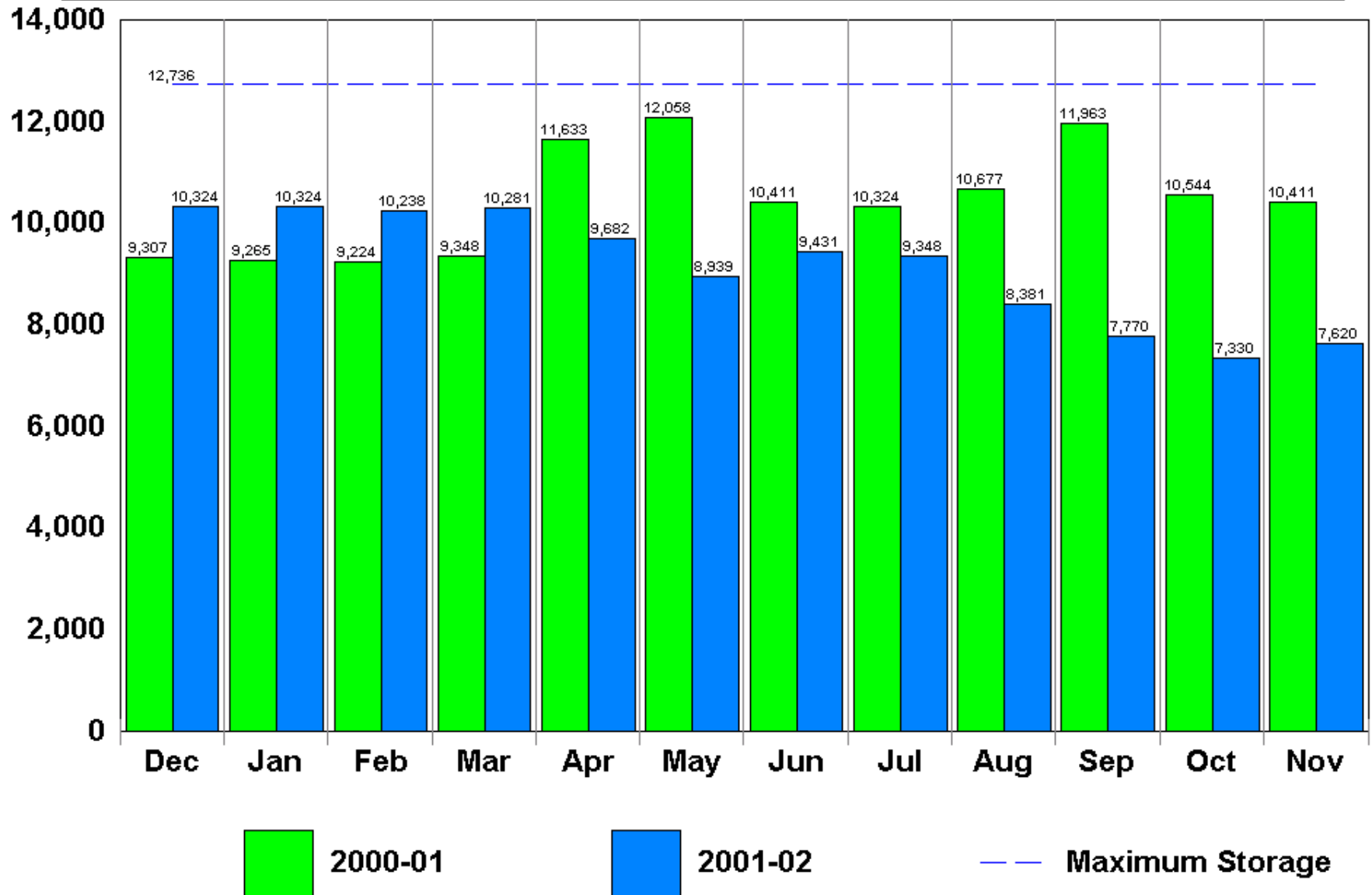
Marshall Lake

(Agricultural)



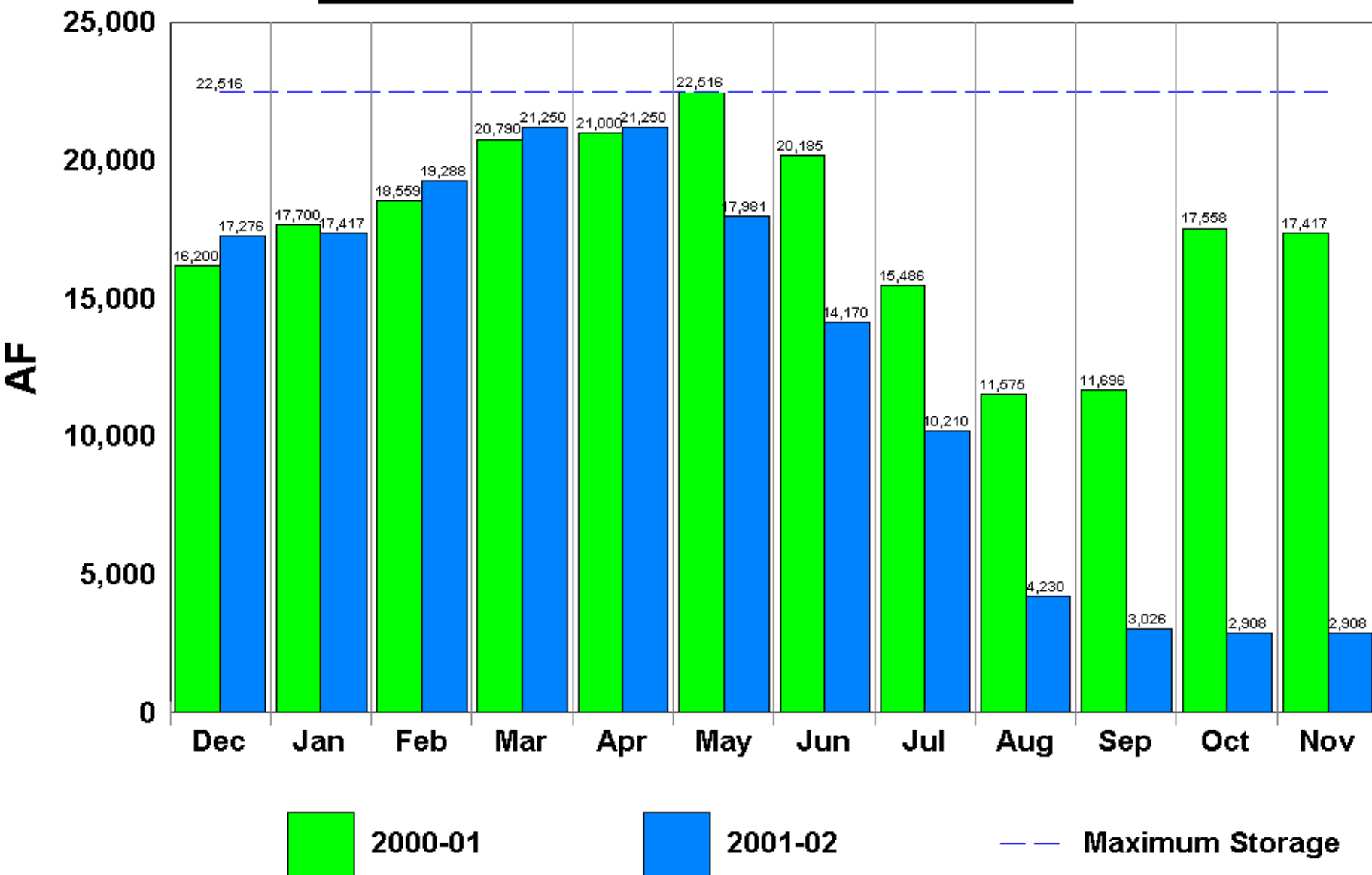
Loveland Greeley Reservoir

(Agricultural)



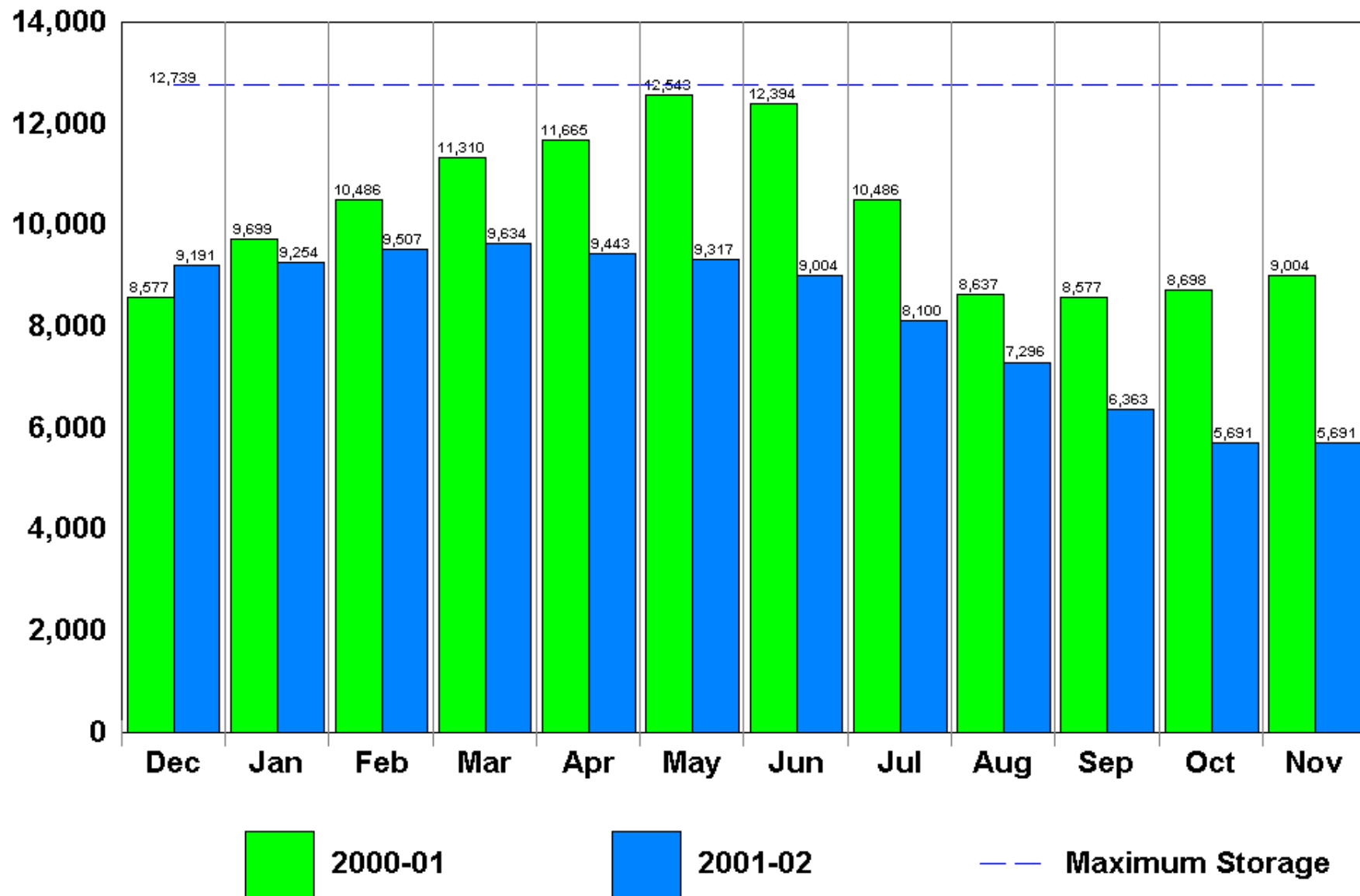
Milton Reservoir

(Agricultural)



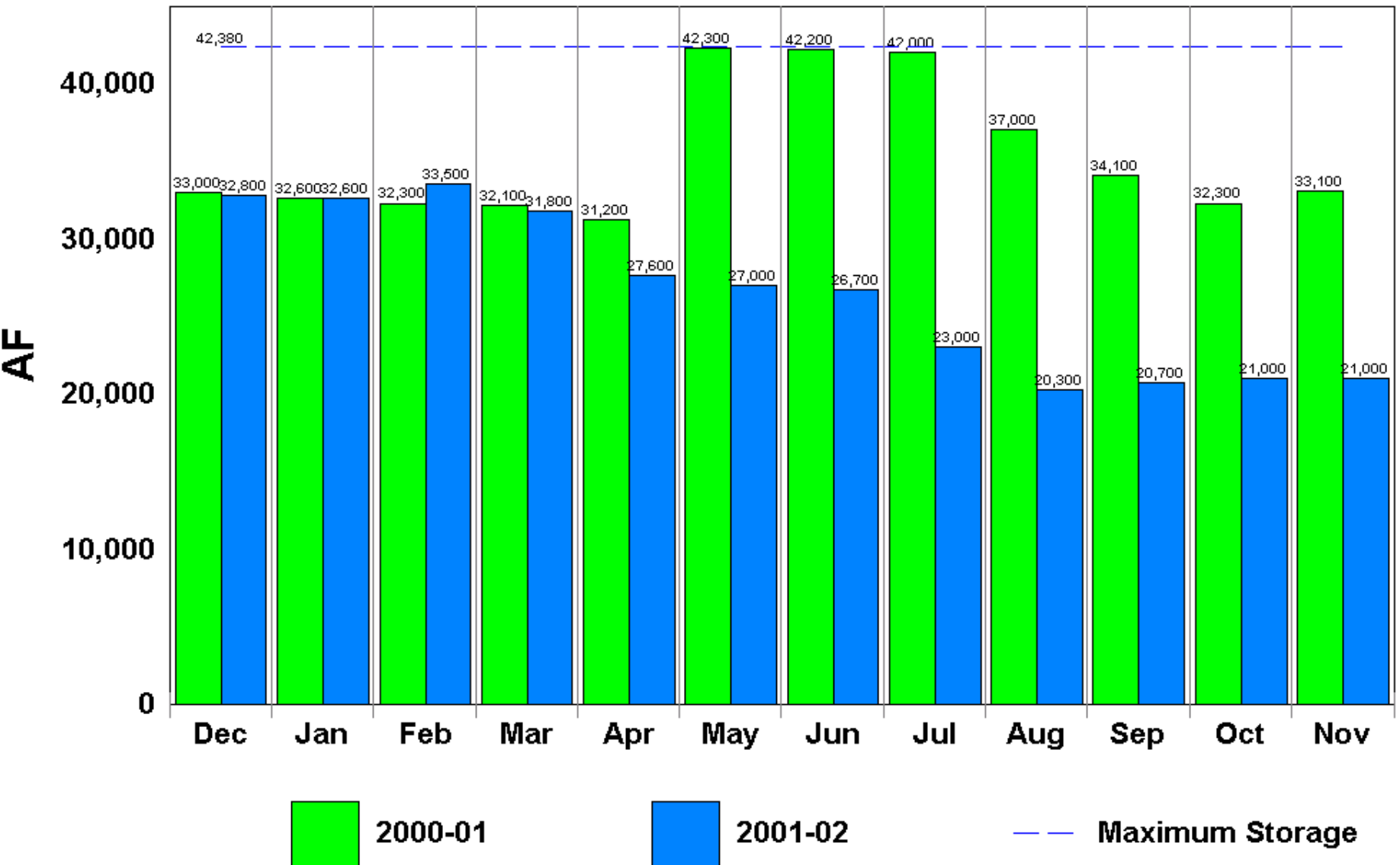
Union Reservoir

(Agricultural)



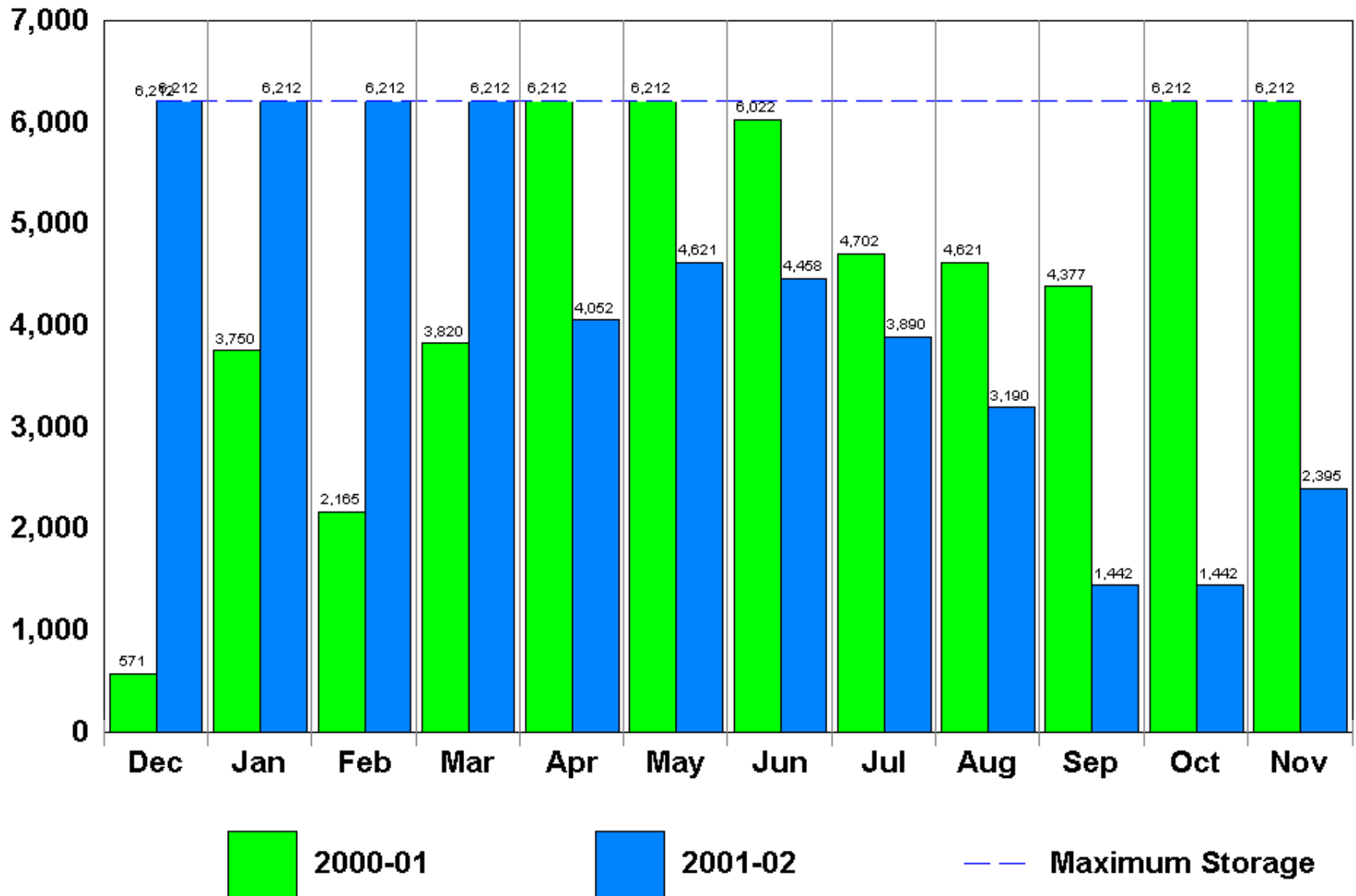
Standley Lake

(Agricultural)



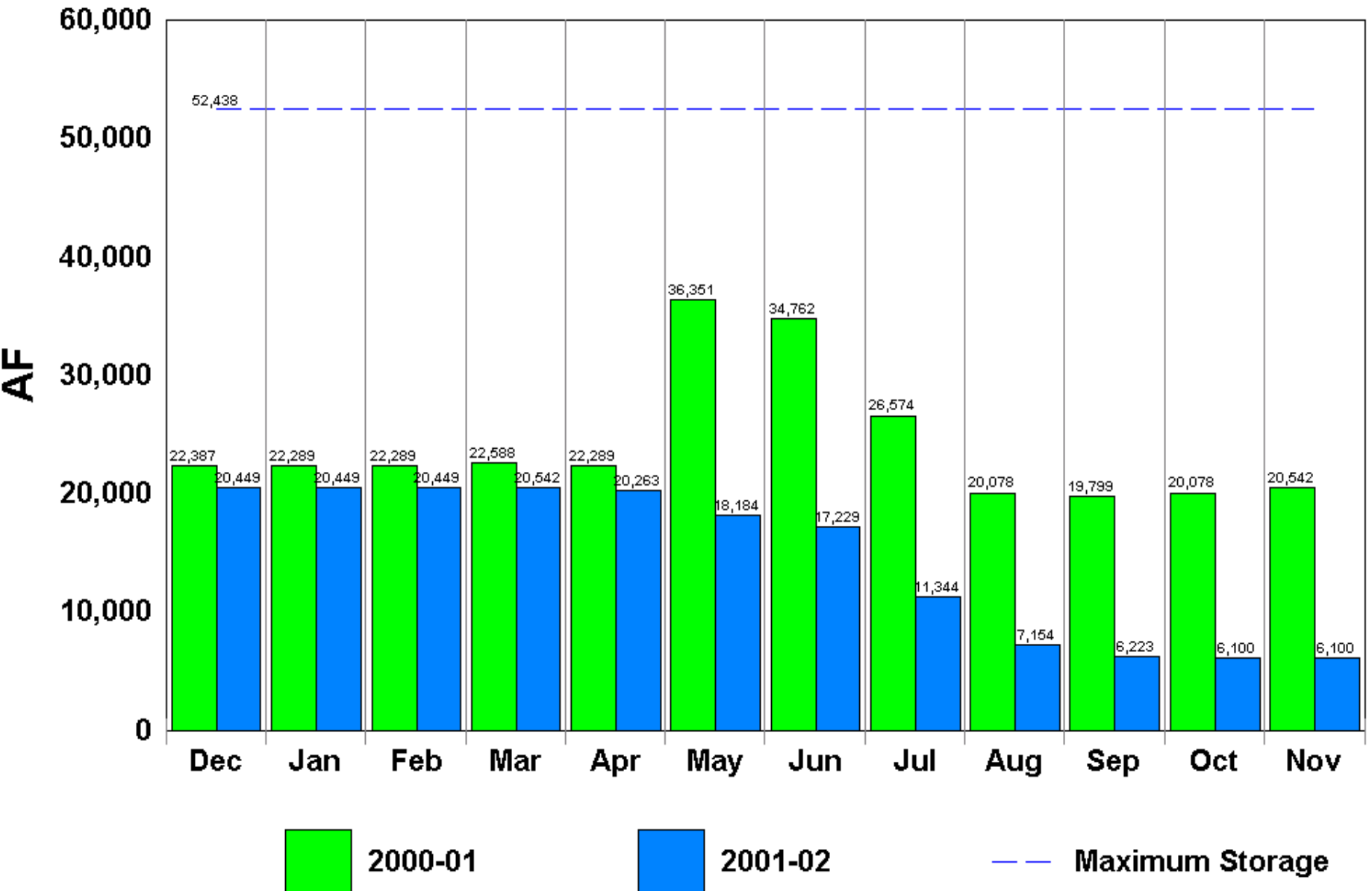
Lower Latham Reservoir

(Agricultural)



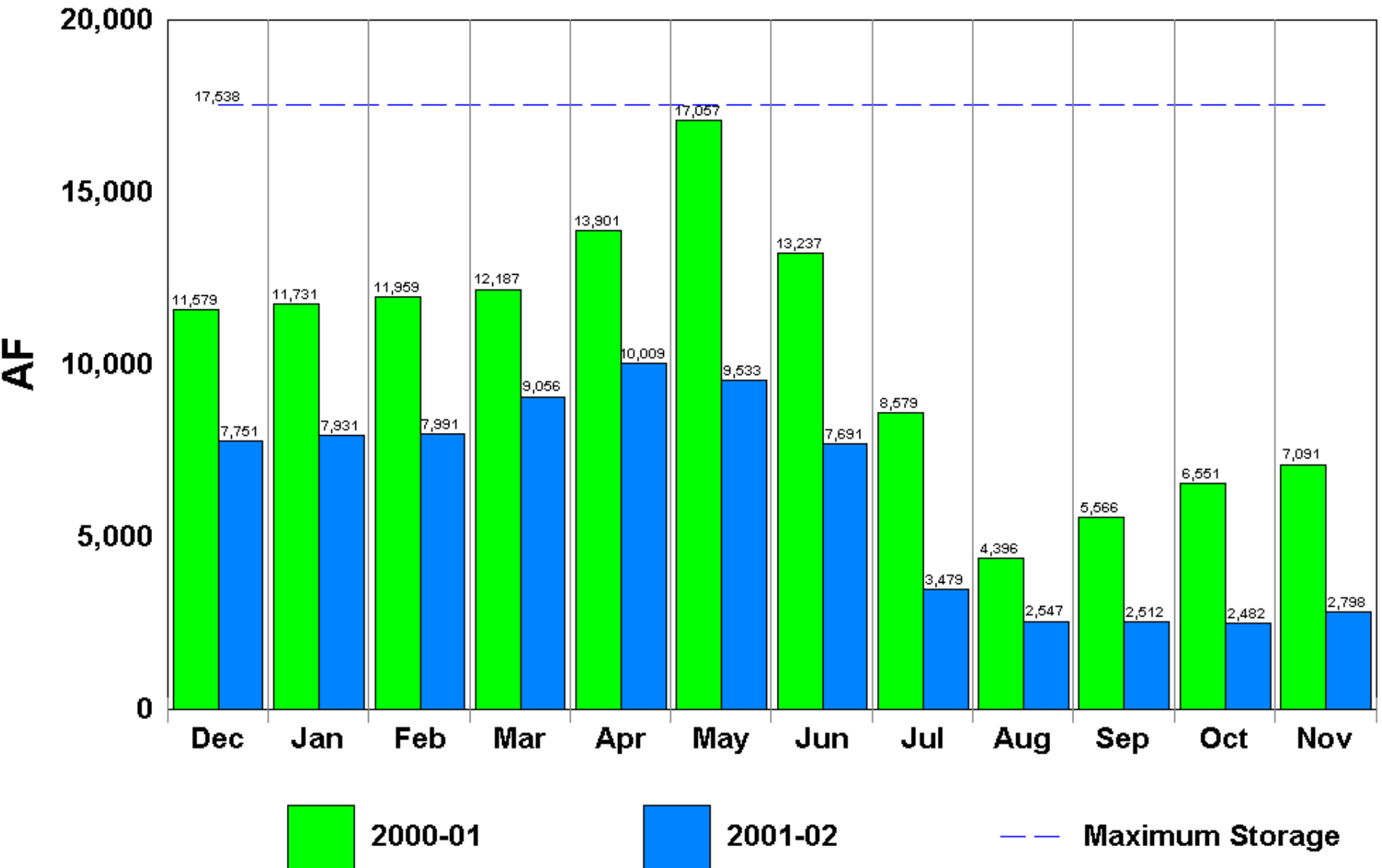
Boyd Lake

(Agricultural)



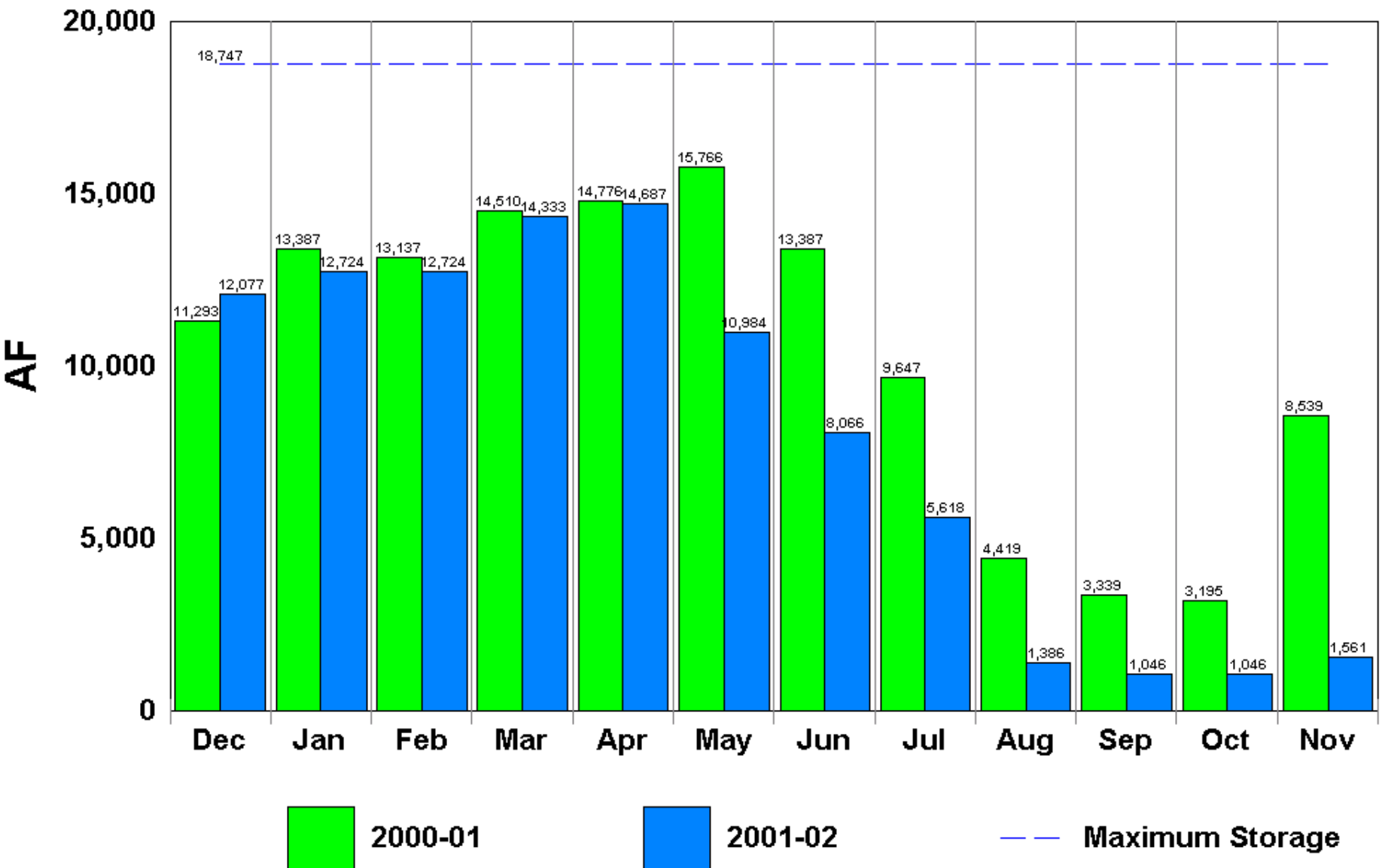
Windsor Reservoir

(Agricultural)



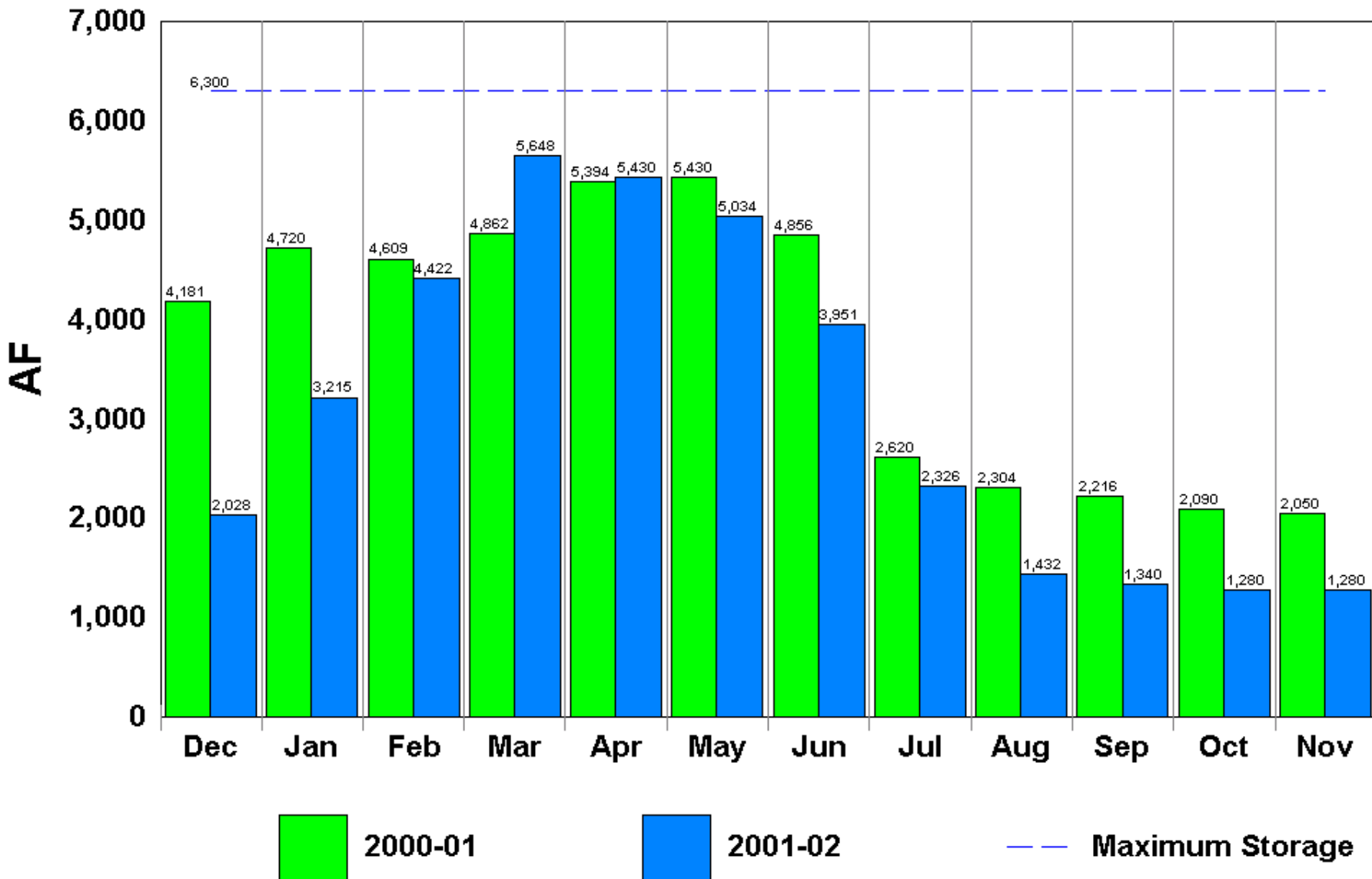
Horse Creek Reservoir

(Agricultural)



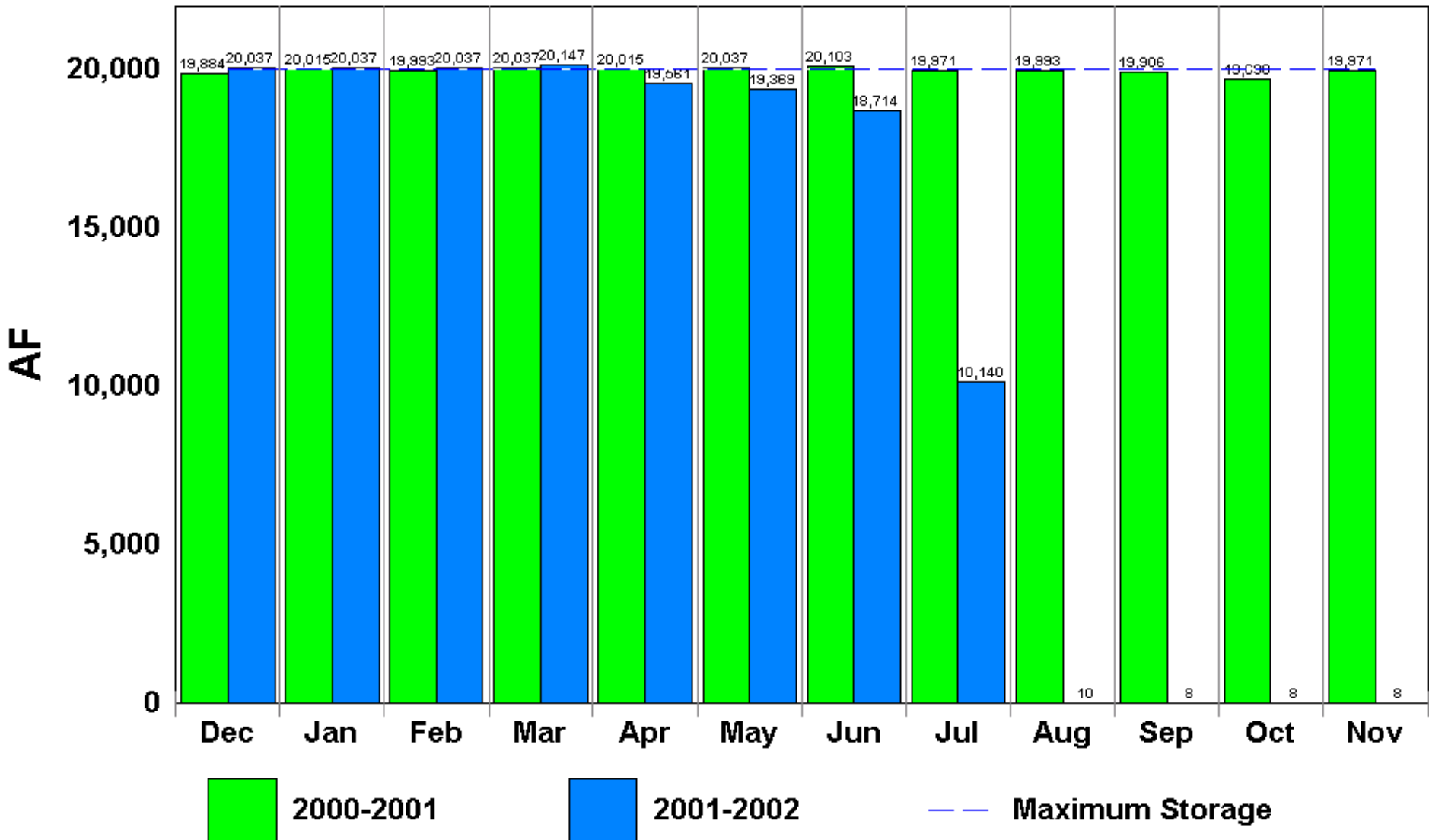
Prospect Reservoir

(Agricultural)



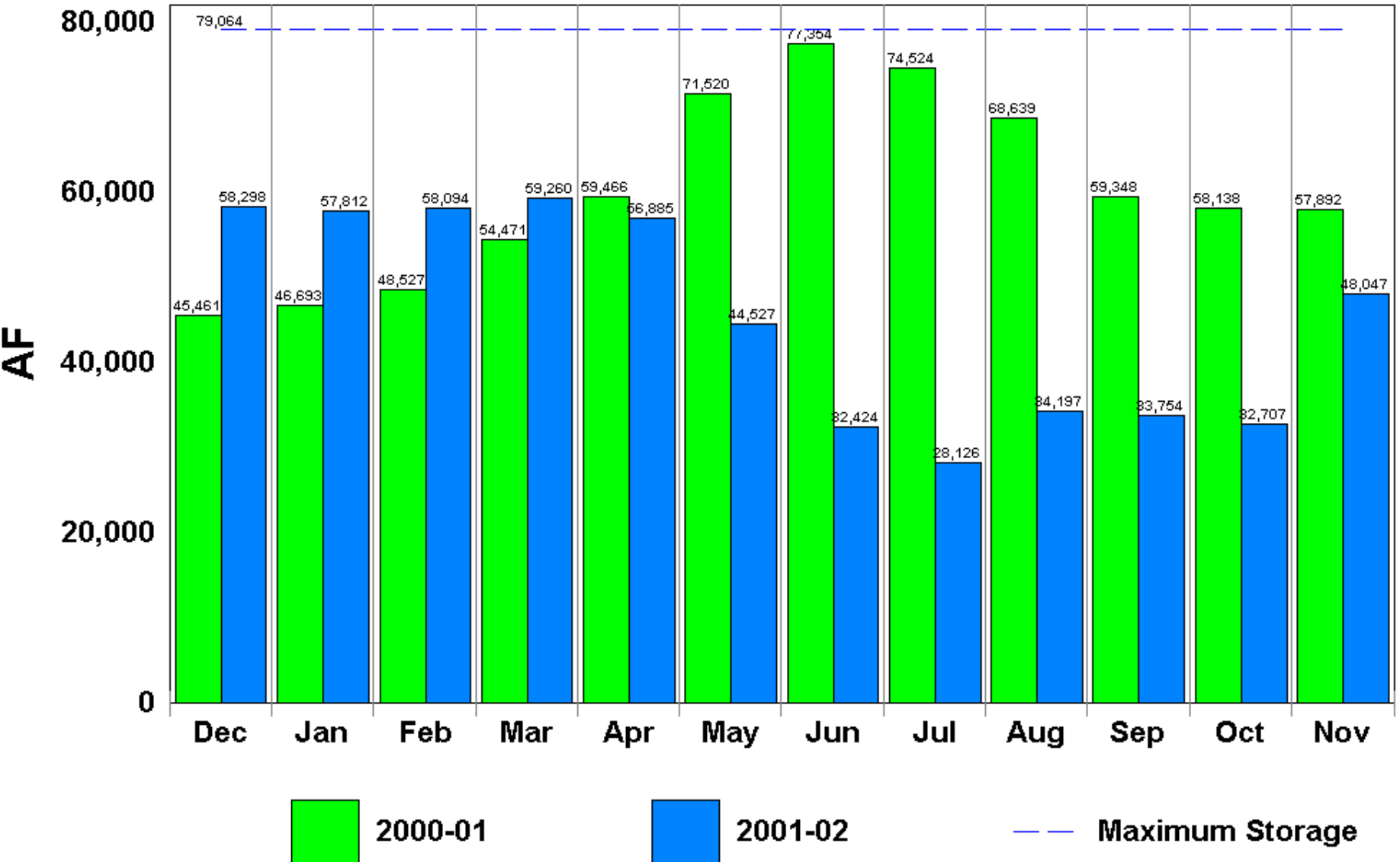
Antero Reservoir

(Municipal)



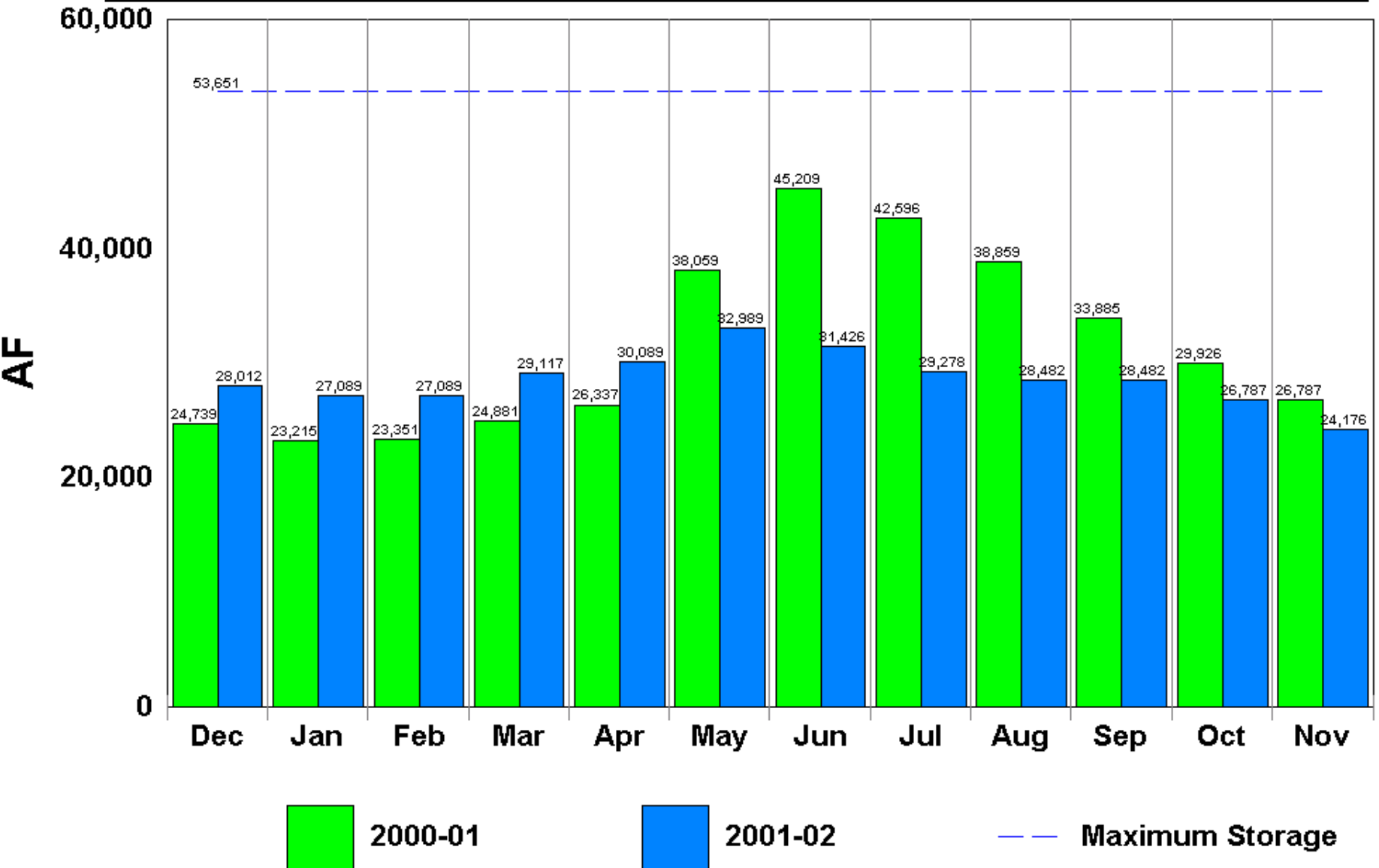
Cheesman Reservoir

(Municipal)



Spinney Mountain Reservoir

(Municipal)





East Reservoir Lakewood



Arapahoe Power Plant, industrial consumptive use