

South Platte River Summary

The image shows a large concrete structure, likely a dam or outlet works, with multiple levels of yellow metal railings. A metal walkway with a grid pattern is visible in the foreground. The structure is situated in a rocky, hilly area. The water in the channel below is brownish. The background shows a steep, rocky hillside.

May, 2003

Roberts Tunnel Outlet Works above Grant

COLORADO DIVISION OF WATER RESOURCES, DIVISION 1

MONTH OF MAY 2003

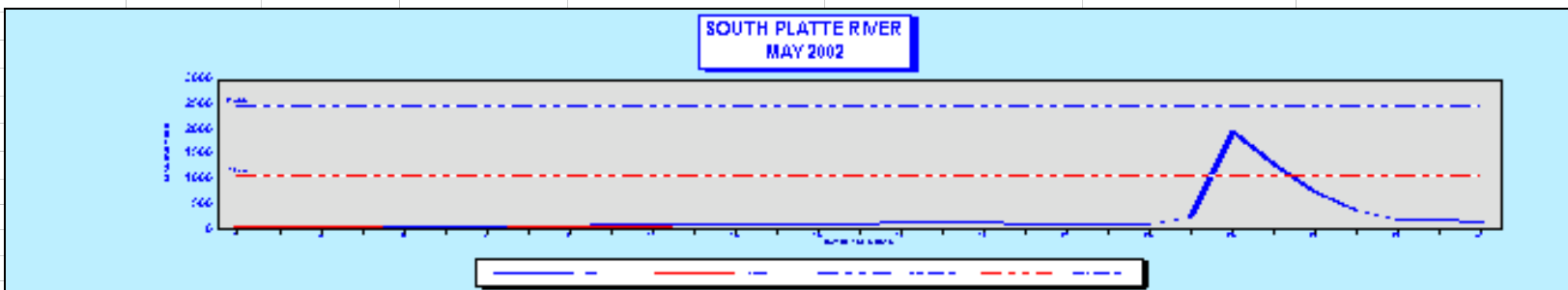
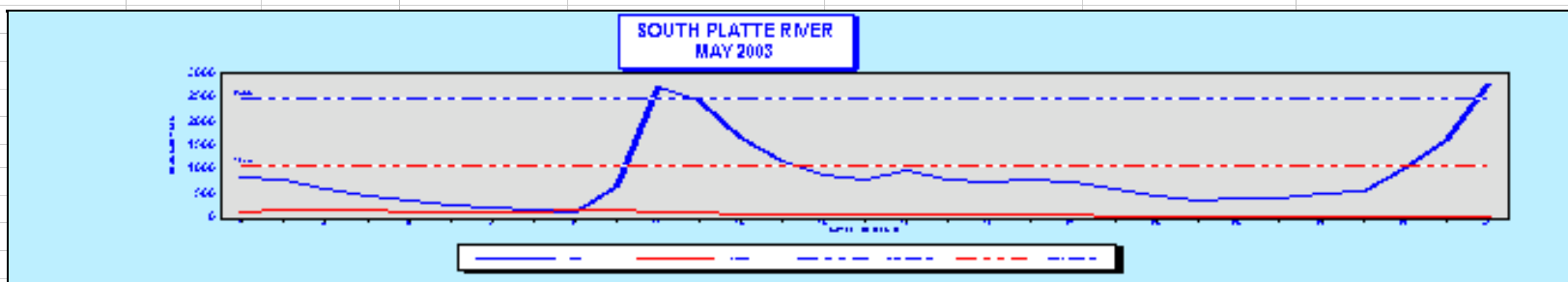
FULL ALLOWABLE CAPACITY (ACRE FEET)	FIRST OF MONTH (ACRE FEET)	END OF MONTH (ACRE FEET)	DISTRICT	CHANGE IN STORAGE (ACRE FEET)	% CHANGE IN STORAGE BASED ON FIRST OF MONTH STORAGE	% OF CURRENT FULL ALLOWABLE CAPACITY	% OF CURRENT FULL ALLOWABLE CAPACITY THIS MONTH, (LAST YEAR)	SURCHARGE (ACRE FEET)
22,666	22,520	21,650	64	(870)	-4%	96%	75%	0
73,730	53,680	59,850	64	6,170	11%	81%	76%	0
28,500	16,240	19,780	64	3,540	22%	69%	76%	0
27,257	25,277	25,420	1	143	1%	93%	64%	0
37,700	22,930	20,337	1	(2,593)	-11%	54%	59%	0
63,113	54,398	52,182	1	(2,216)	-4%	83%	71%	0
31,652	30,600	31,095	2	495	2%	98%	71%	0
79,064	53,700	62,690	80	8,990	17%	79%	56%	0
97,779	45,914	47,612	23	1,698	4%	49%	100%	0
53,651	16,876	19,547	23	2,671	16%	36%	61%	0
20,015	0	8	23	8	ERR	0%	97%	0

MEAN DAILY FLOW (CFS)

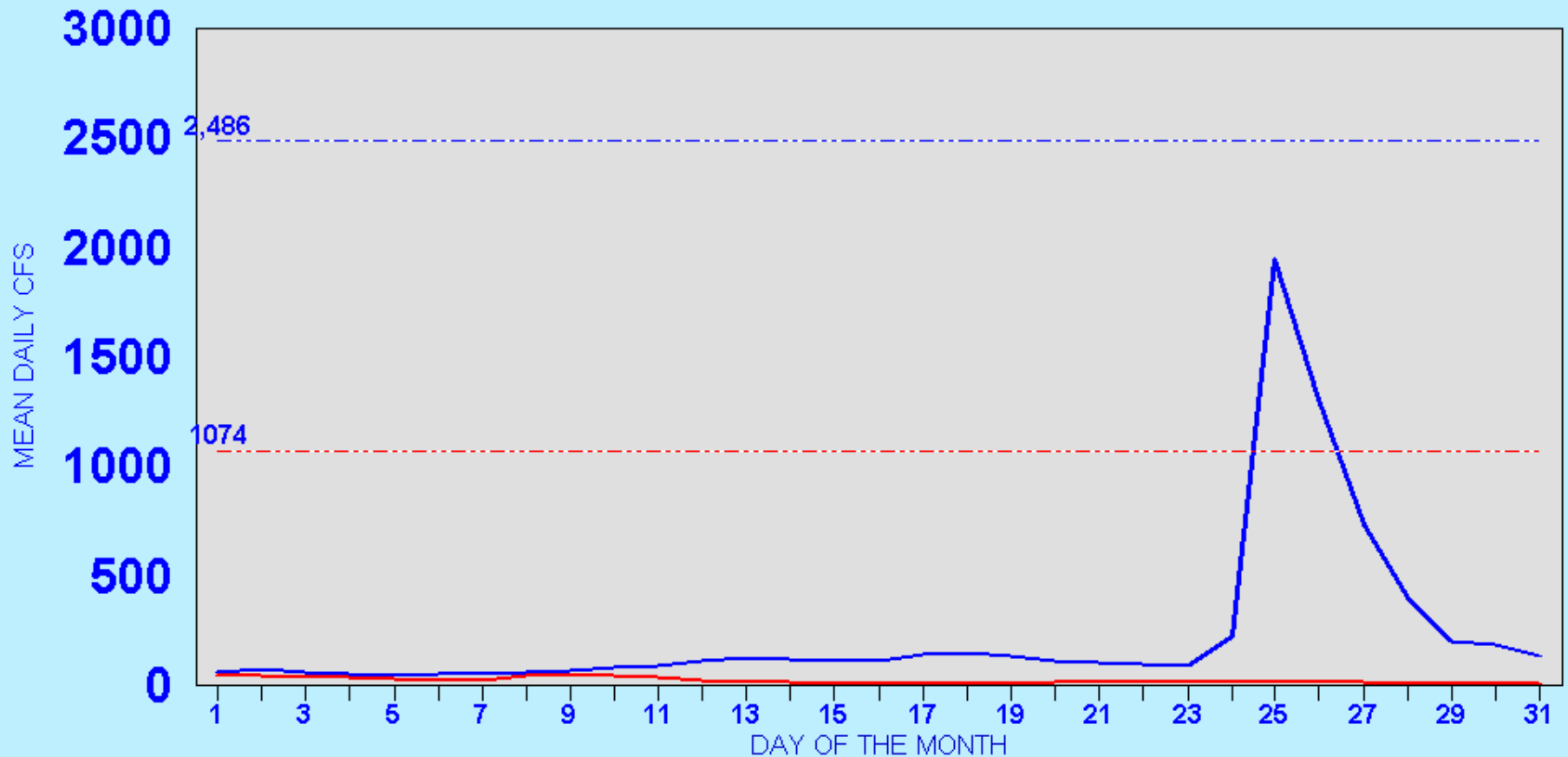
871
87

235
24

2486
1,074



SOUTH PLATTE RIVER MAY 2002



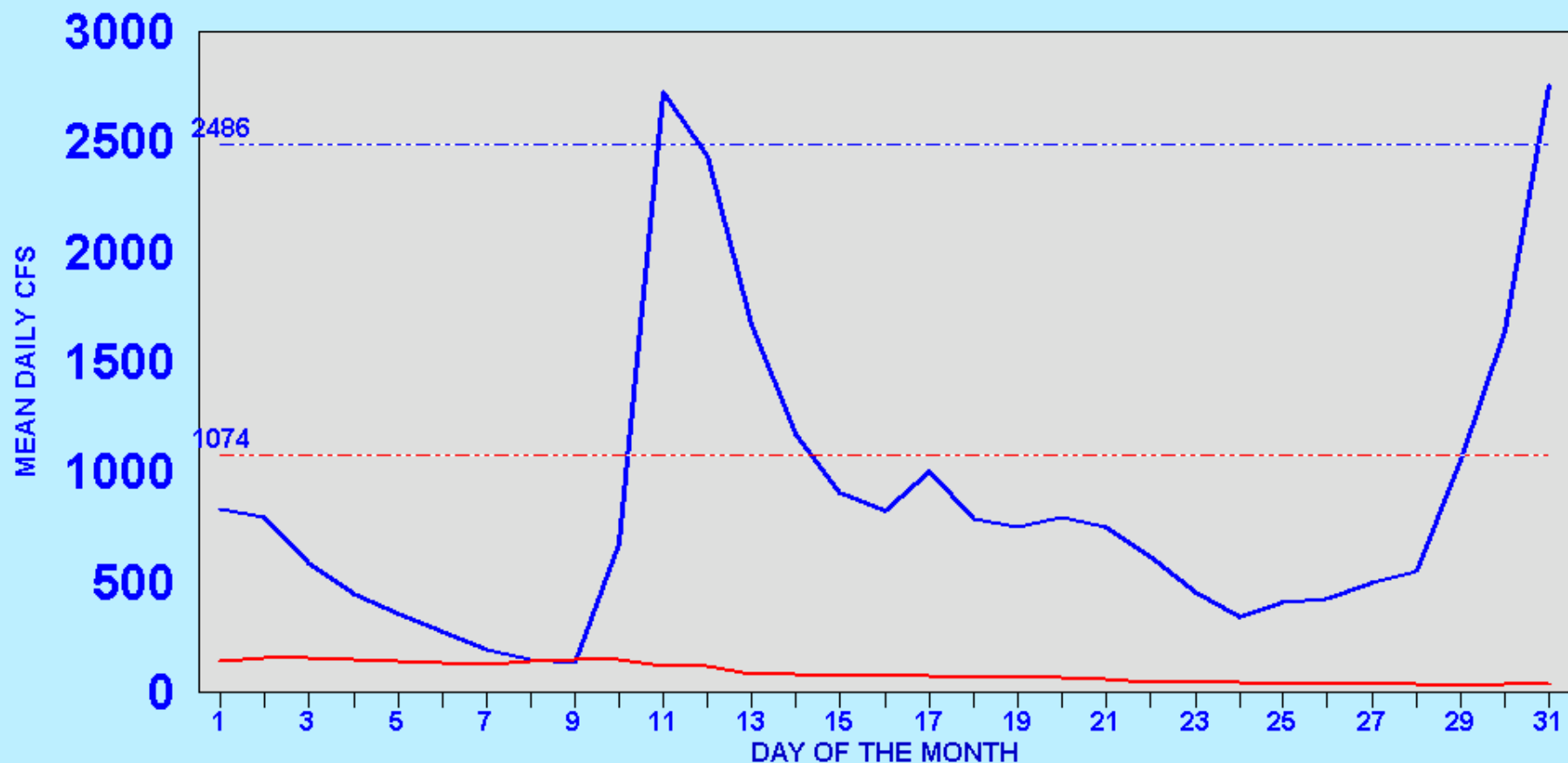
— KERSEY

— JULESBURG

- - - Kersey 1976-2001 Avg.

- - - Julesburg 1902-2001 Avg.

SOUTH PLATTE RIVER MAY 2003



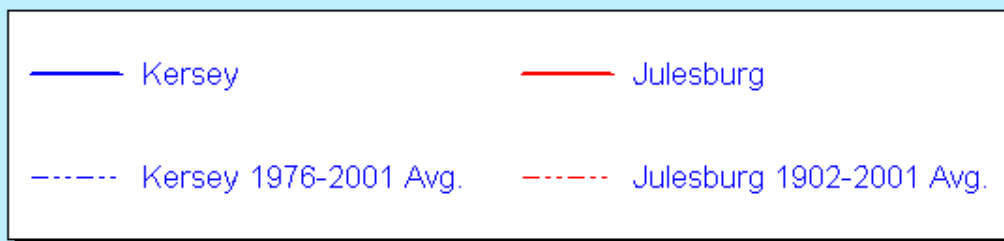
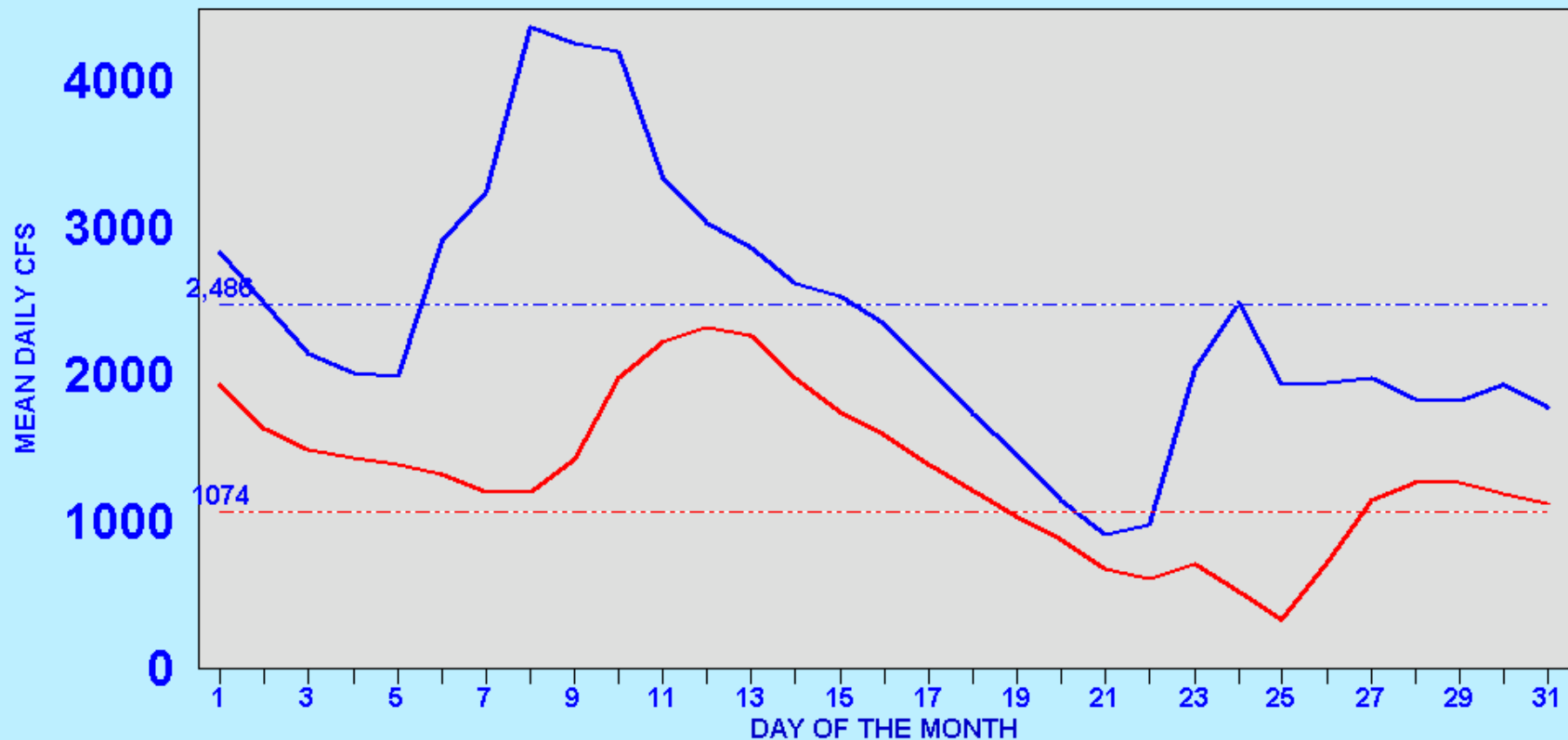
— KERSEY

— JULESBURG

- - - Kersey 1976-2001 Avg

- - - Julesburg 1902-2001 Avg

SOUTH PLATTE RIVER MAY 1998



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	445		Dec	420	1371	1985	18.8	1912	23	
Jan	845	1434	1984	503	1982	523		Jan	538	1571	1998	89.9	1965	59	
Feb	858	1641	1984	540	1978	576		Feb	619	1864	1930	78.9	1935	40	*
Mar	929	1852	1983	473	1982	760		Mar	559	2200	1939	56.9	1904	63	
Apr	1096	3894	1983	144	1982	584		Apr	555	2808	1983	17.3	1904	113	
May	2486	13060	1980	251	1977	871		May	1075	9922	1980	24.1	1911	87	
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		

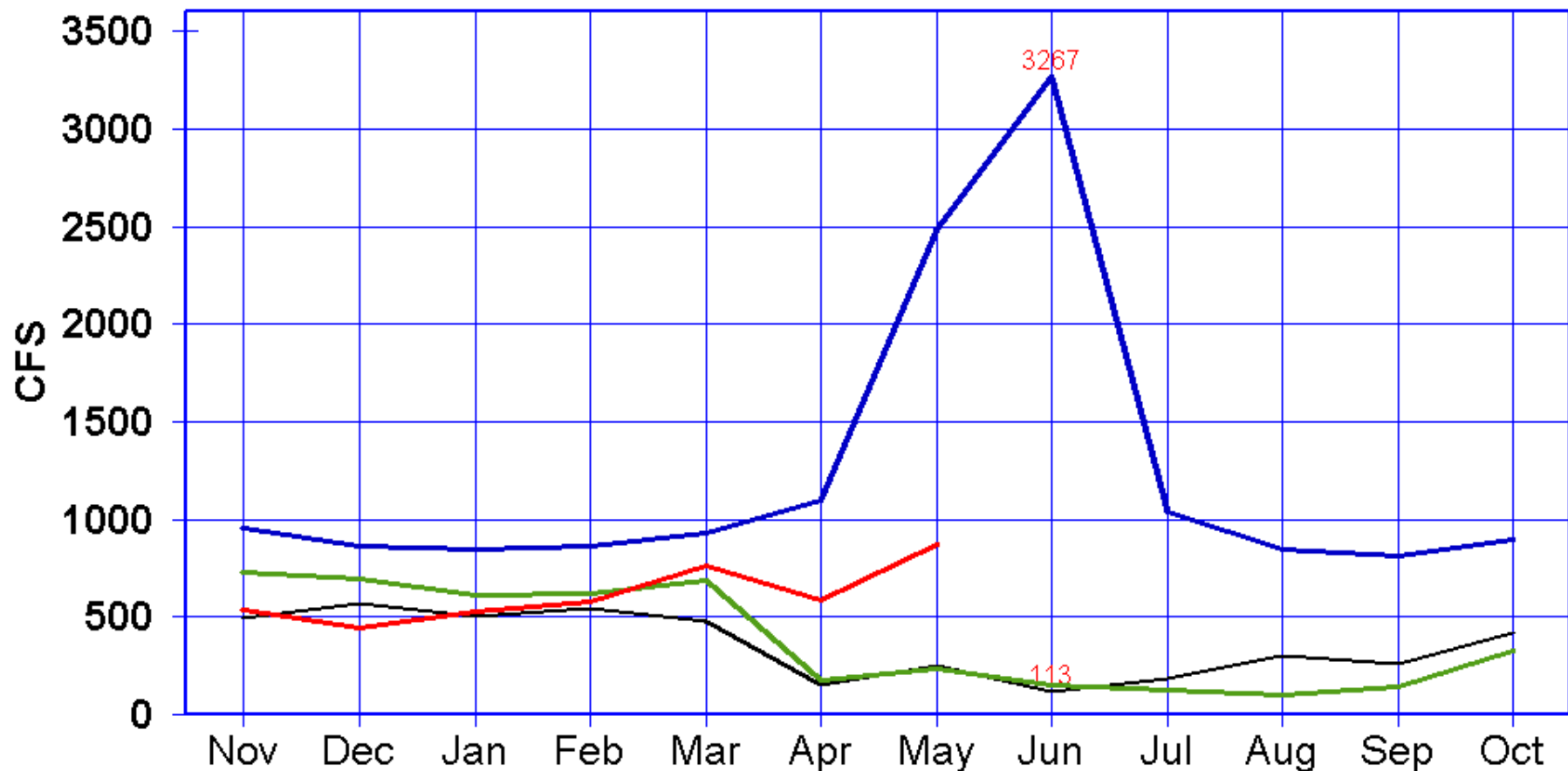
*Period of record 1976-2001

*Period of record 1902-2001



South Platte River at Kersey

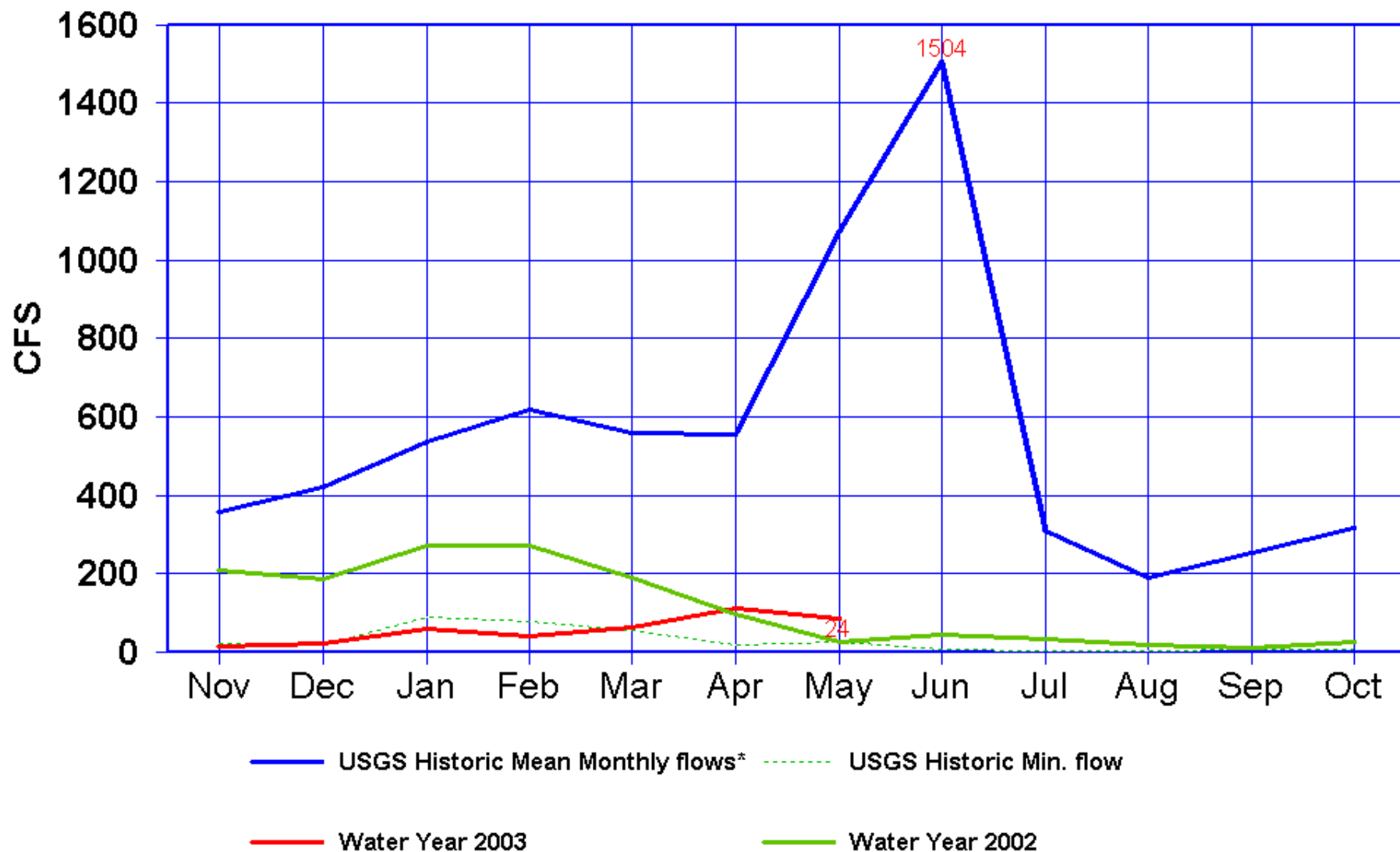
Irrigation Water Year*



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

South Platte River at Julesburg

Irrigation Water Year*



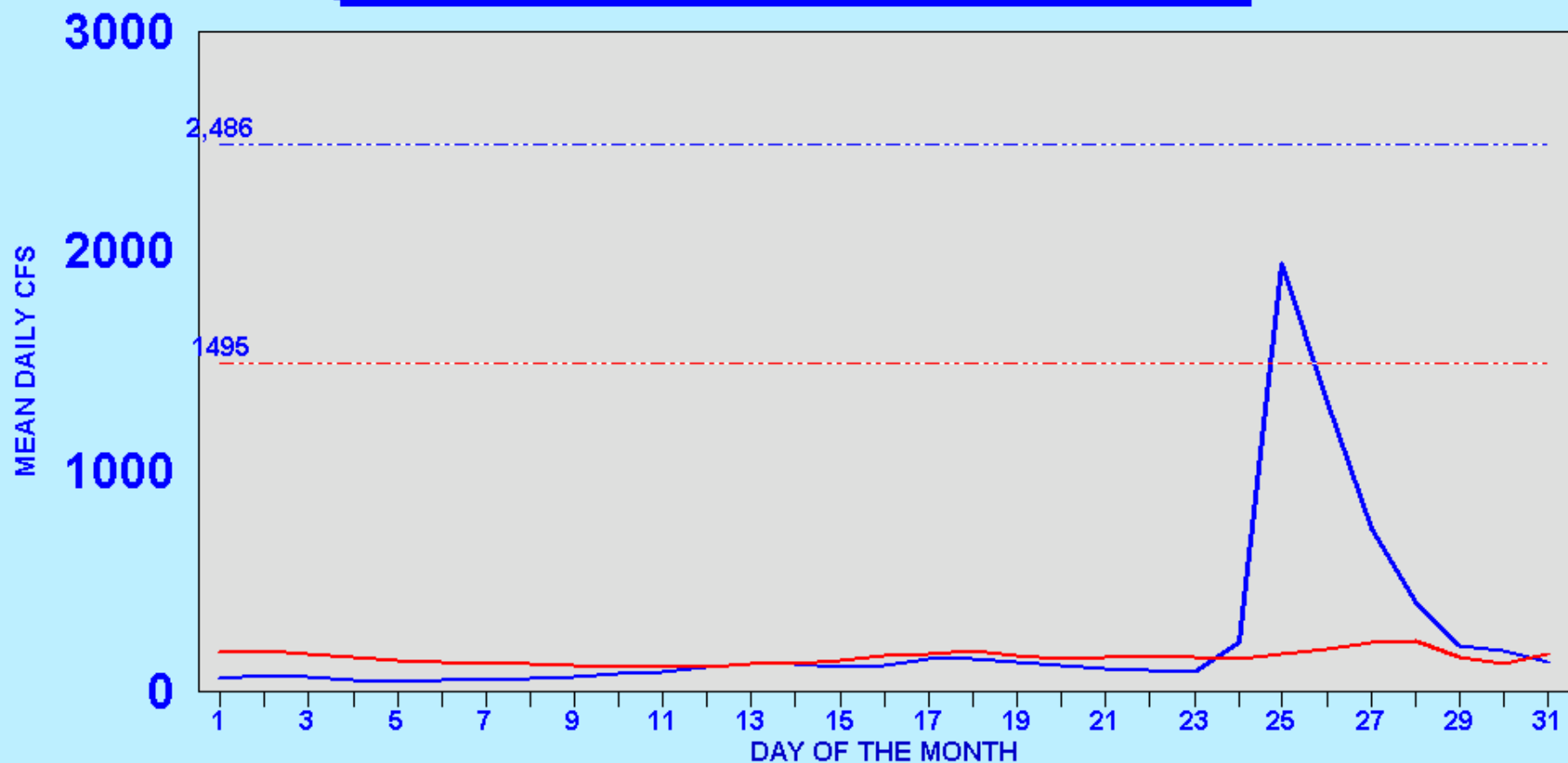
Comparison of Kersey and Balzac Mean daily flows for May 2002, 2003 and 1998, a near average year.



Main Reservoir, Lakewood

Kersey Balzac

MAY 2002



— Kersey

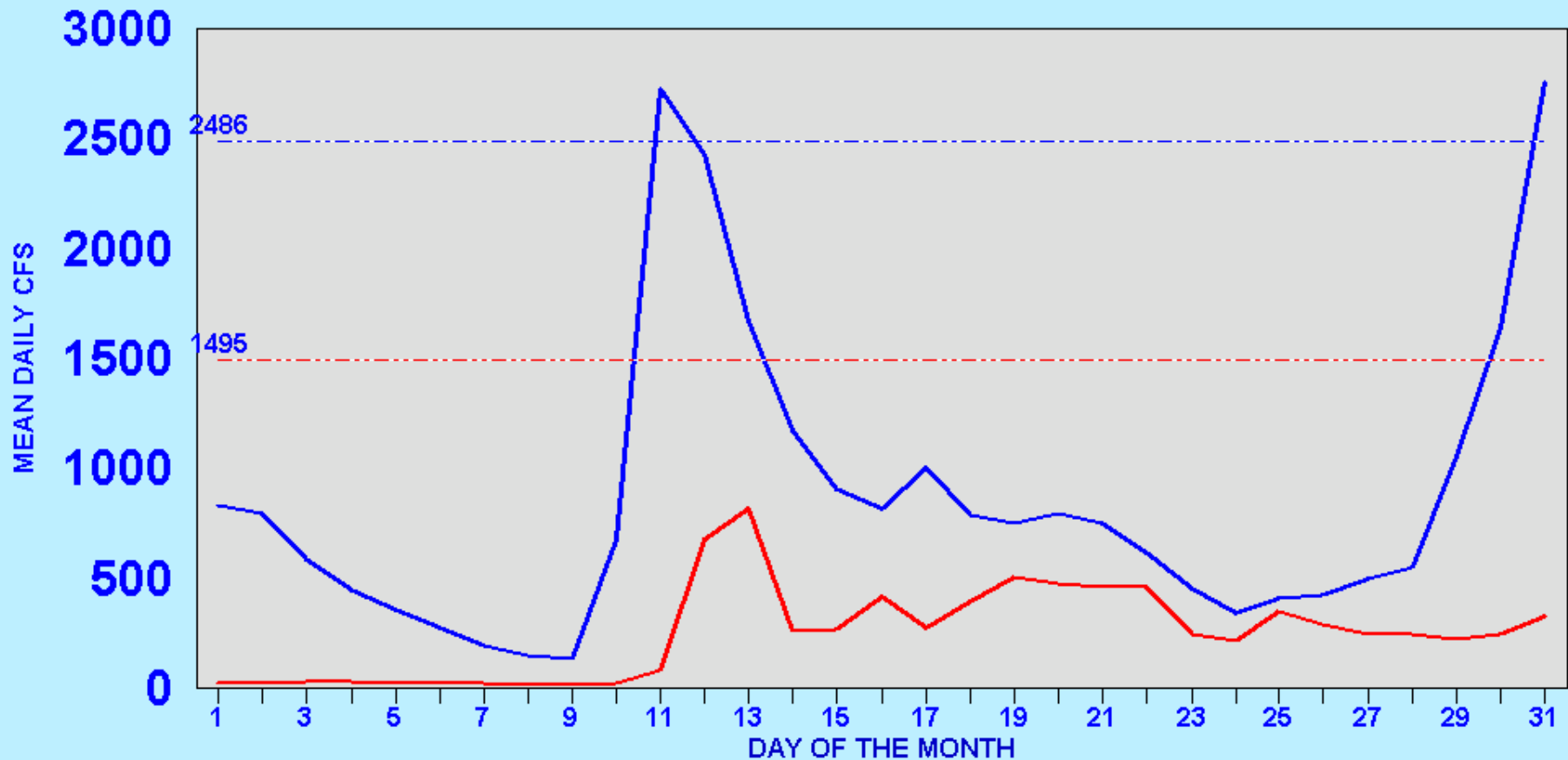
— Balzac

----- Kersey 1976-2001 Avg.

----- Balzac 1980-2001 Avg.

Kersey Balzac

MAY 2003



— Kersey

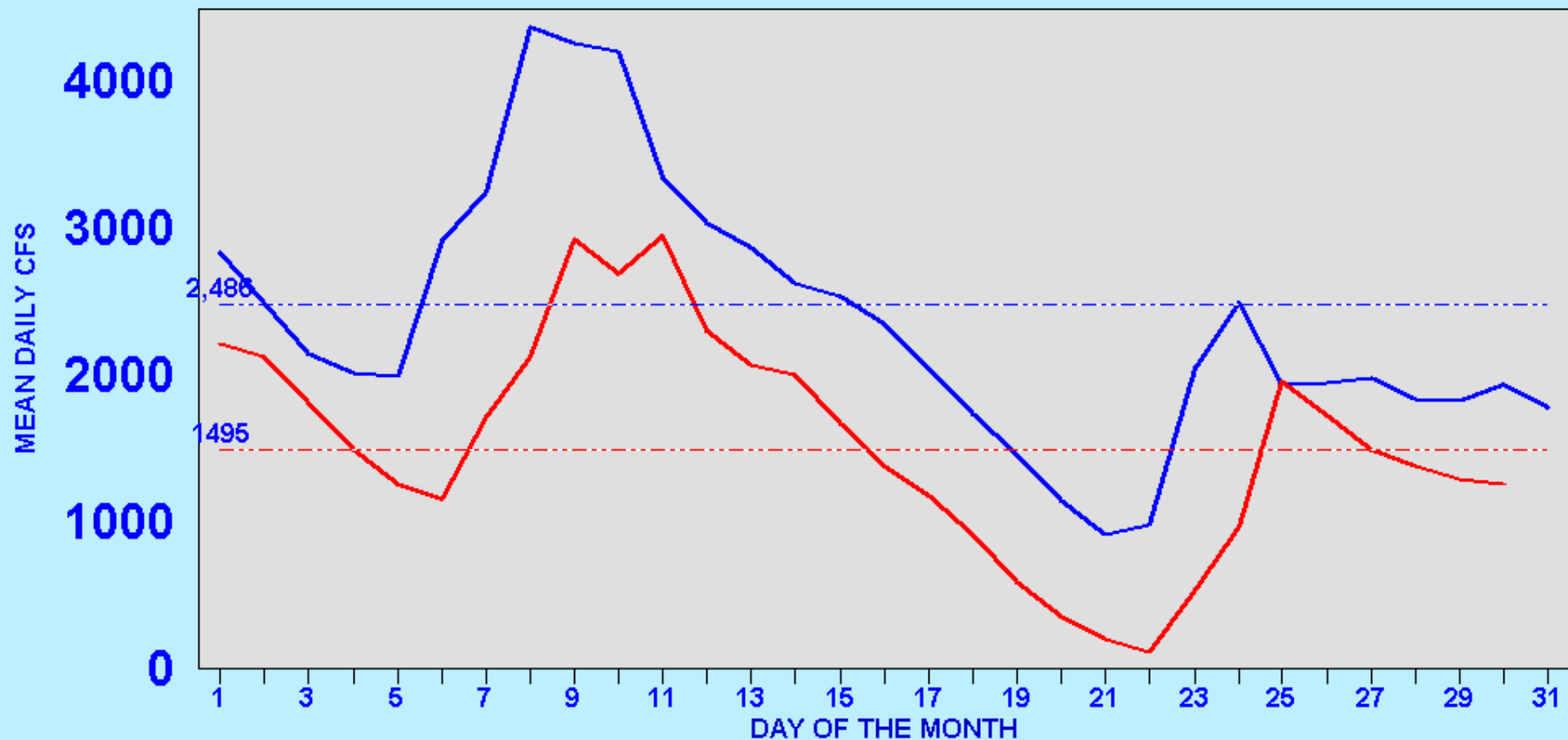
— Balzac

- - - Kersey 1976-2001 Avg.

- - - Balzac 1980-2001 Avg.

Kersey Balzac

MAY 1998



— Kersey

— Balzac

- - - Kersey 1976-2001 Avg.

- - - Balzac 1980-2001 Avg.

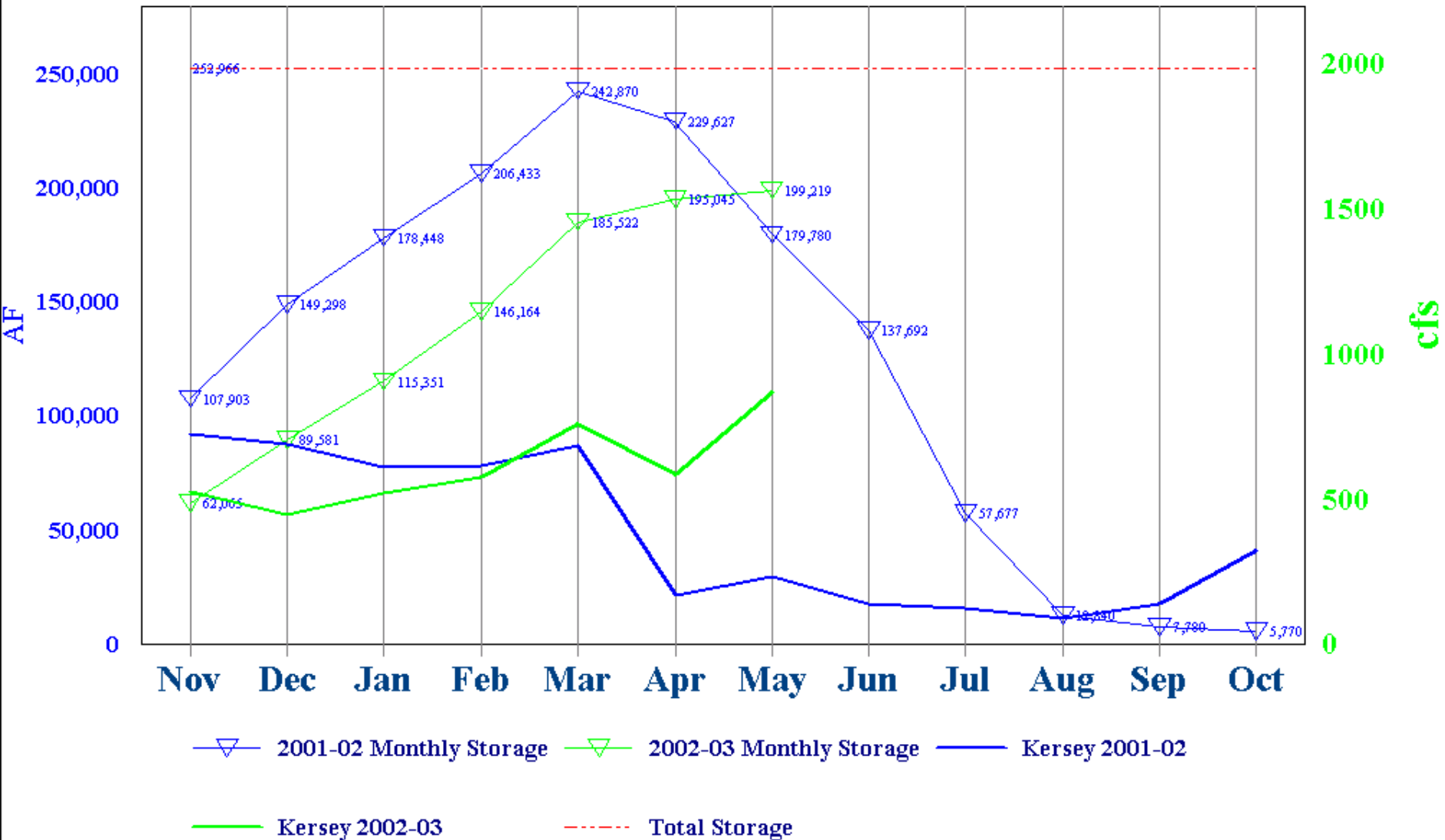
Selected Reservoir Storage for May 2003 with comparisons from 2002



Return gate on Fairmont Ditch, Deer Creek

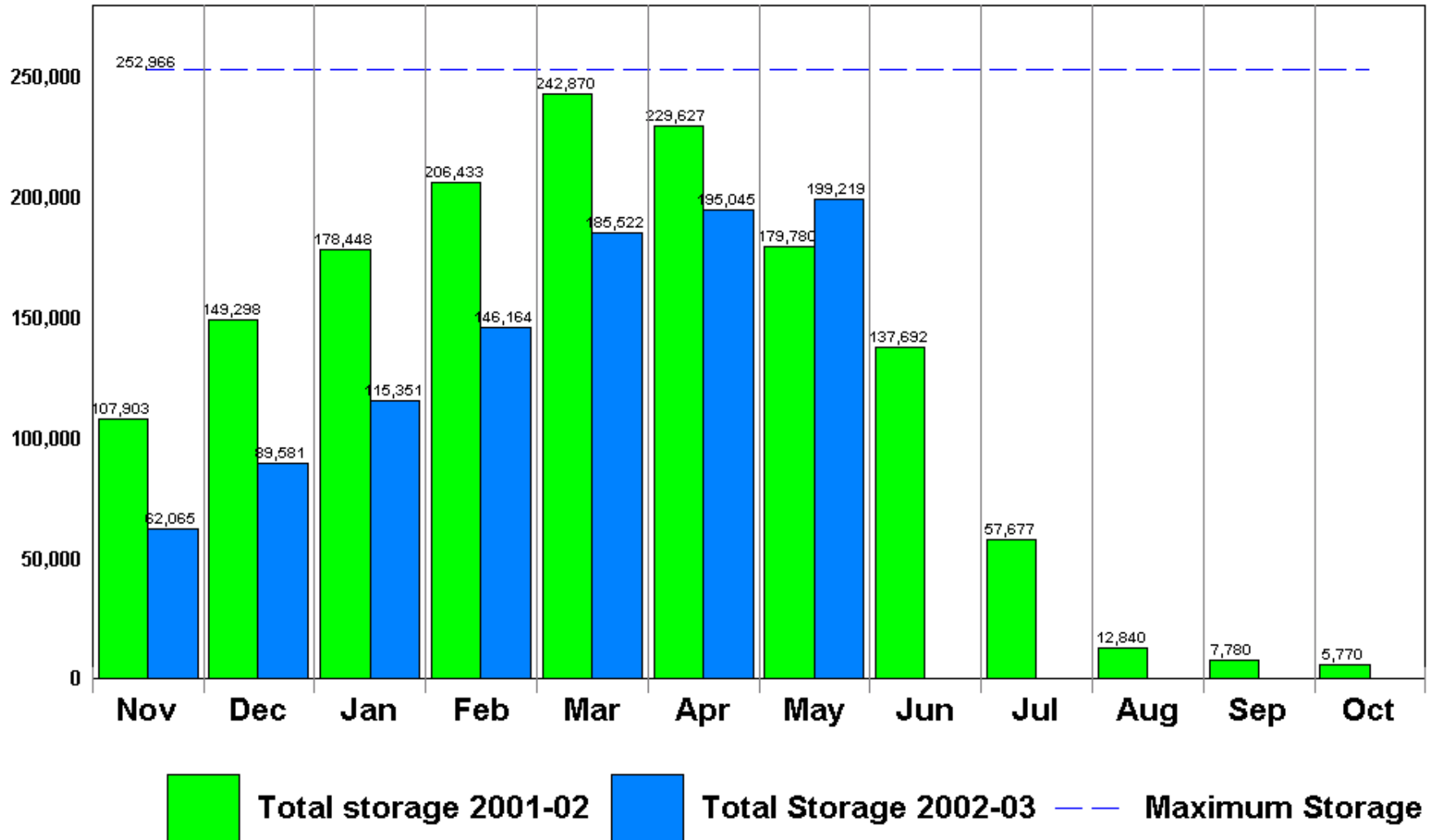
Reservoir Storage below Kersey

Selected Reservoirs*



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

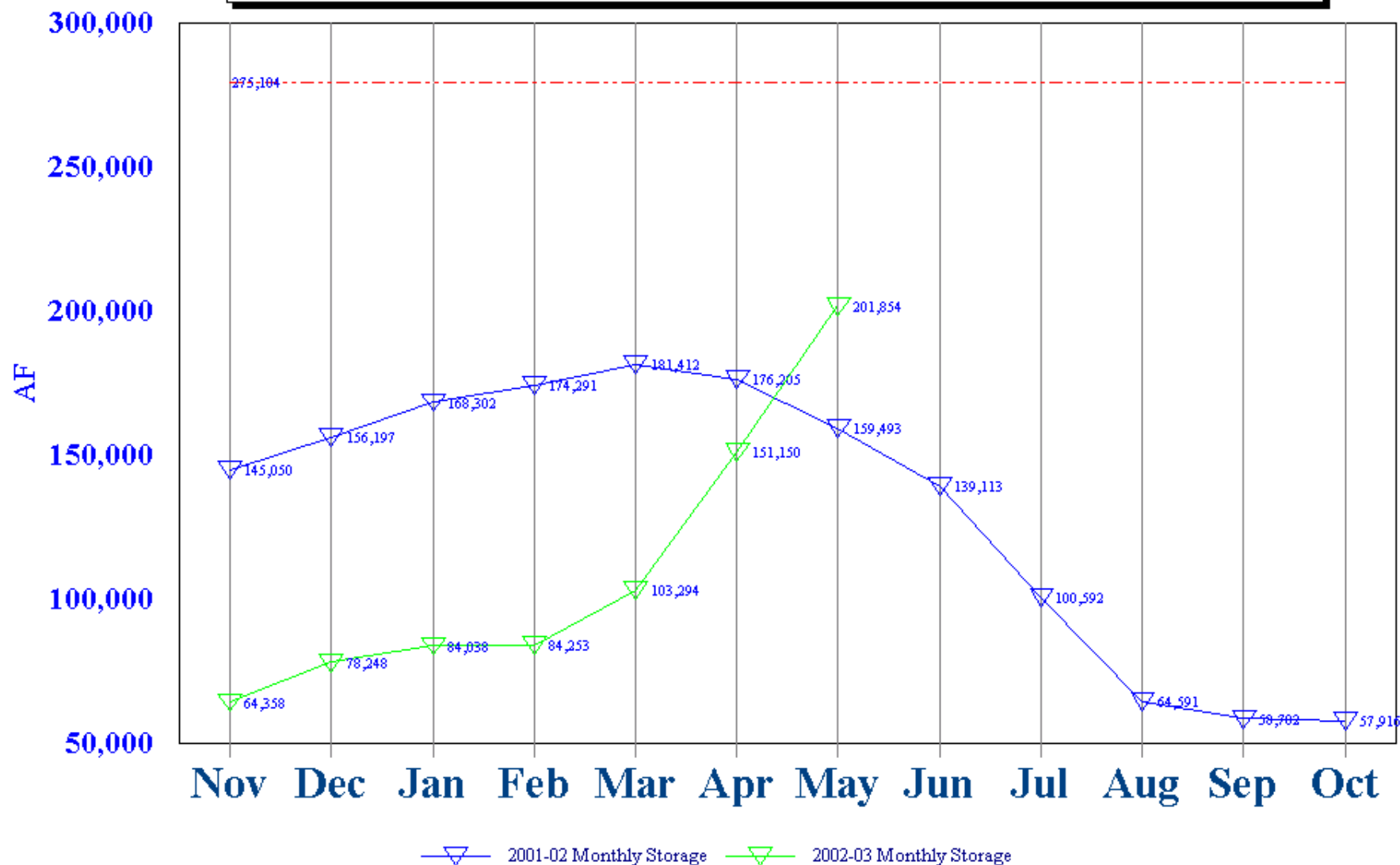
South Platte Reservoirs Storage below Kersey*



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

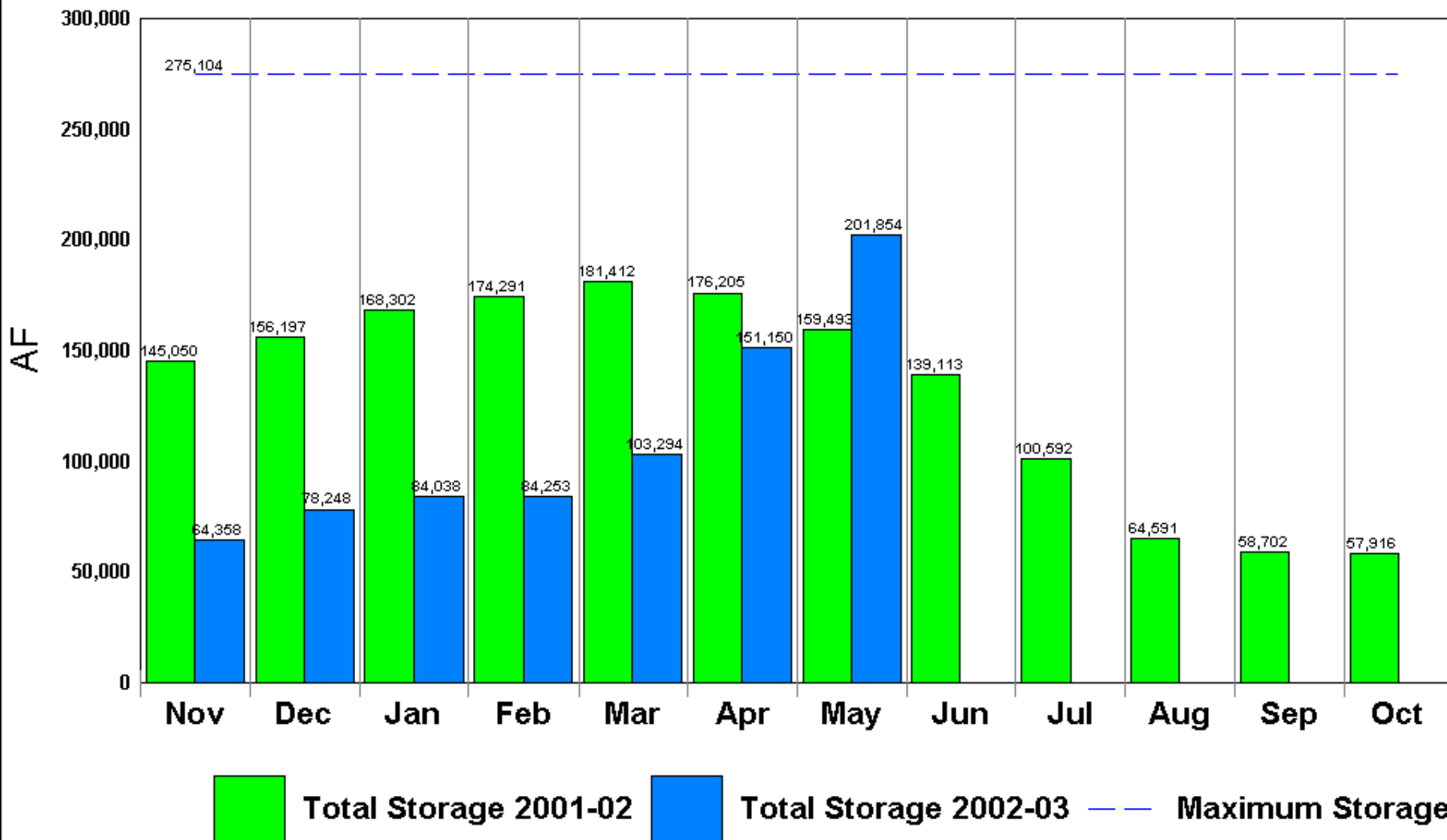
Reservoir Storage above Kersey

Selected Reservoirs*



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

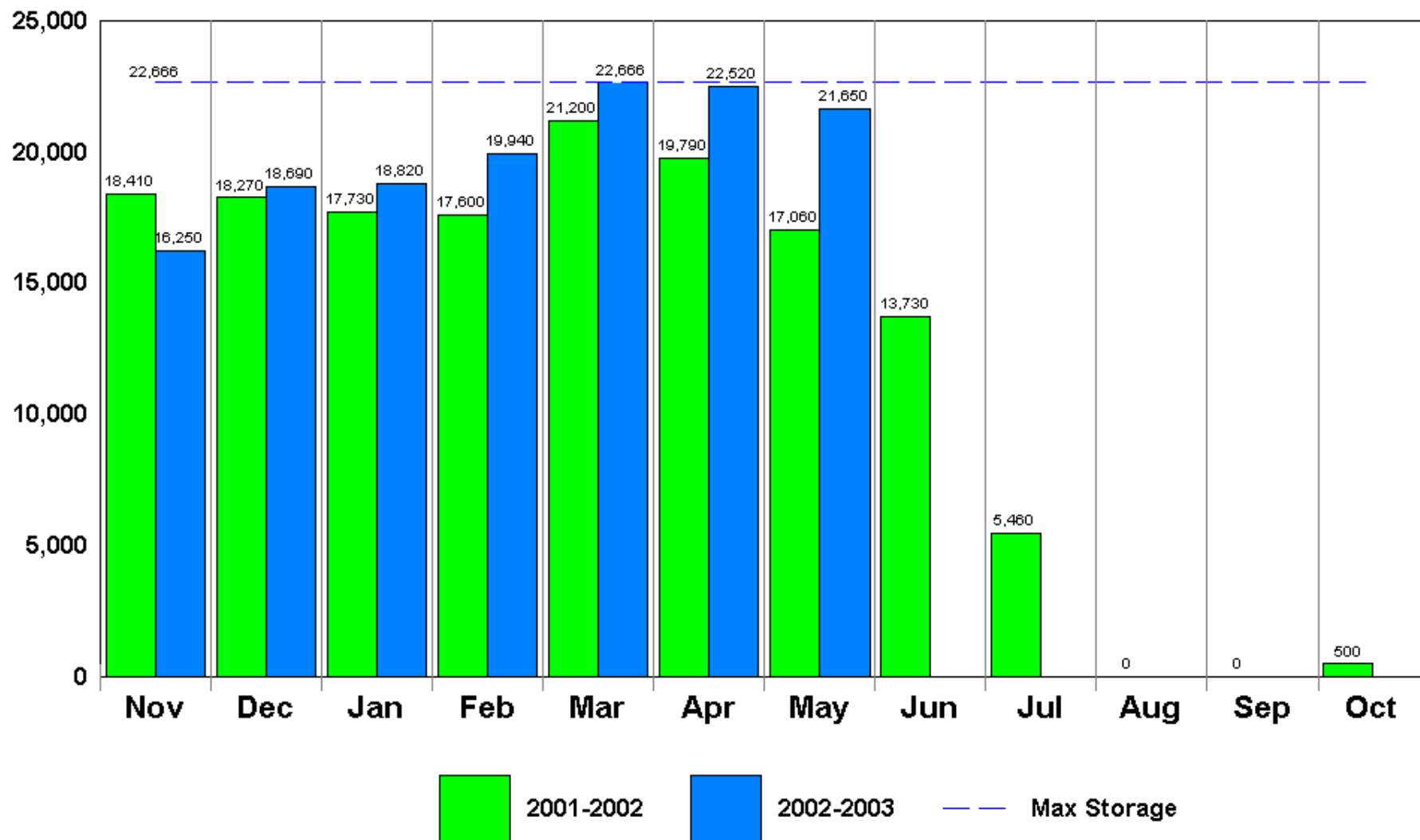
South Platte Reservoirs Storage above Kersey*



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

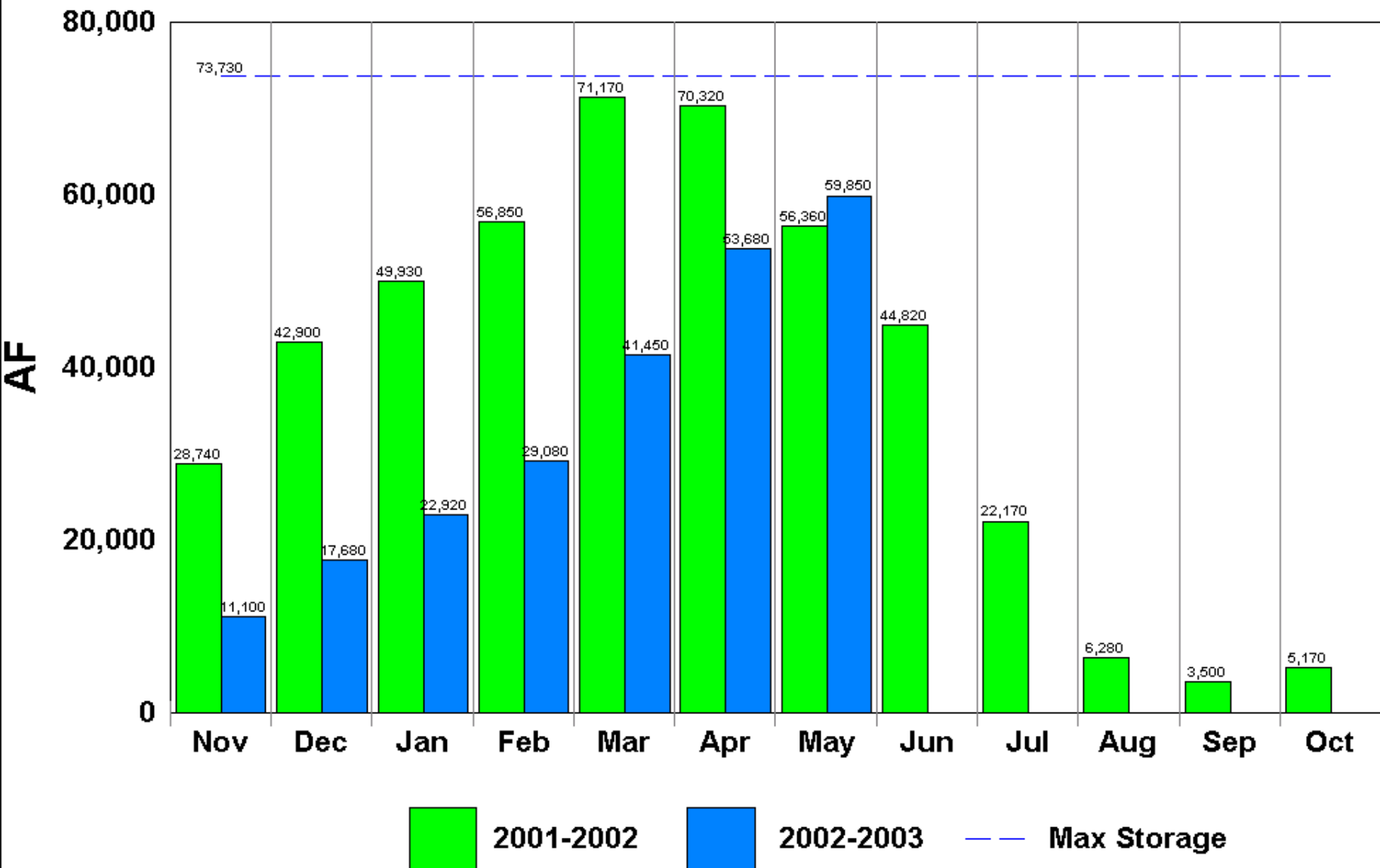
Julesburg Reservoir

(Agricultural)



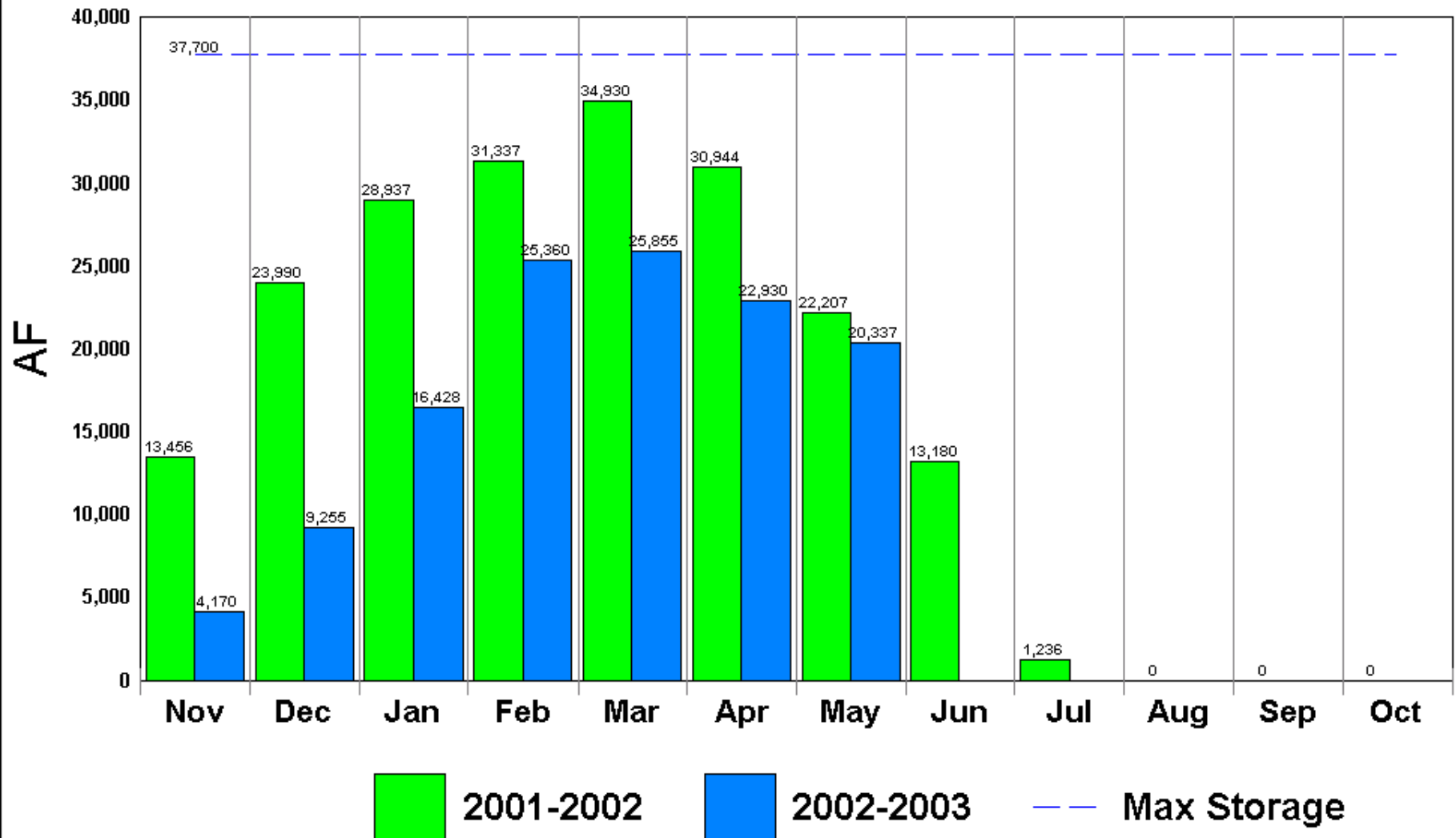
N. Sterling Reservoir

(Agricultural)



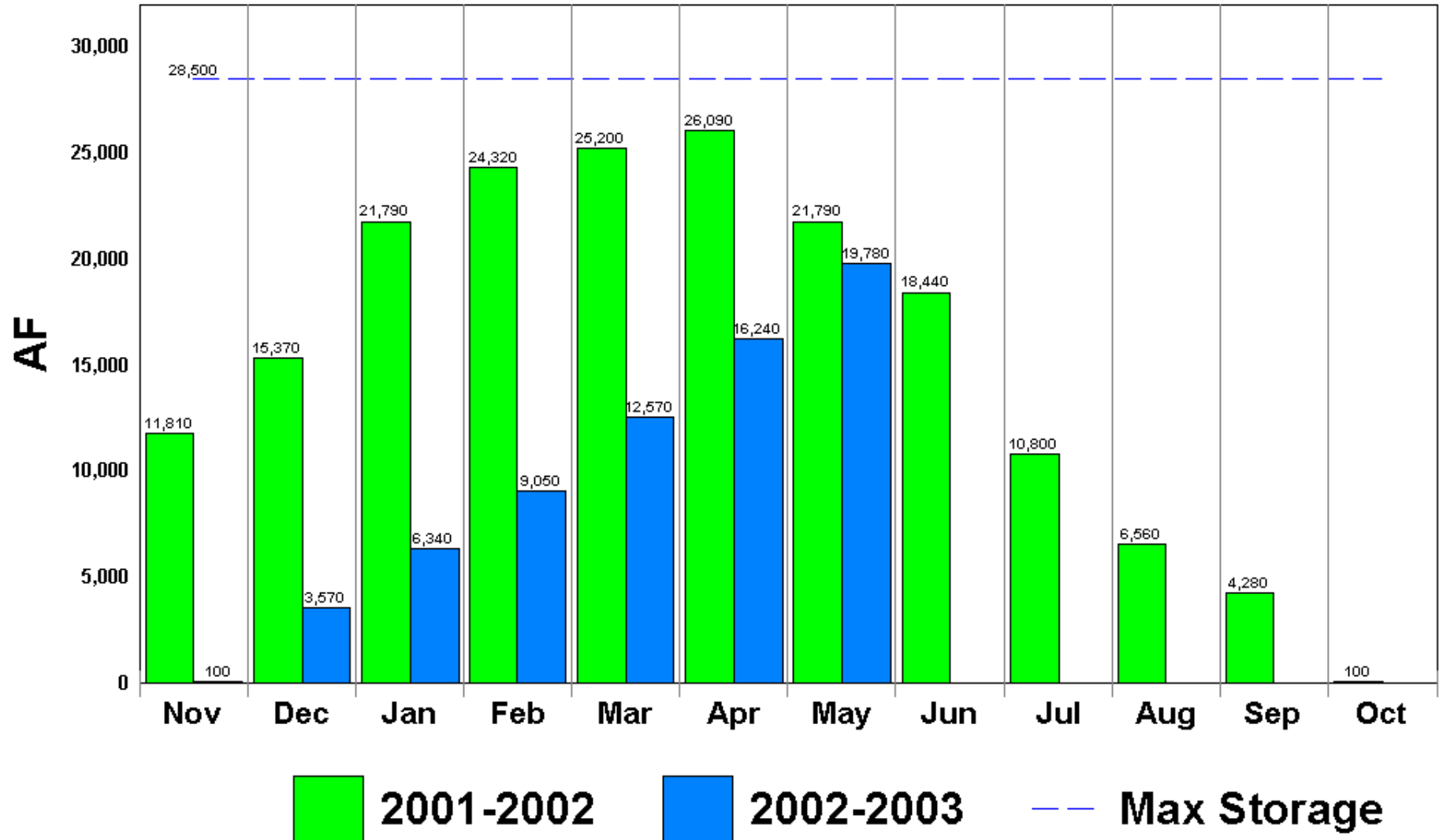
Empire Reservoir

(Agricultural)



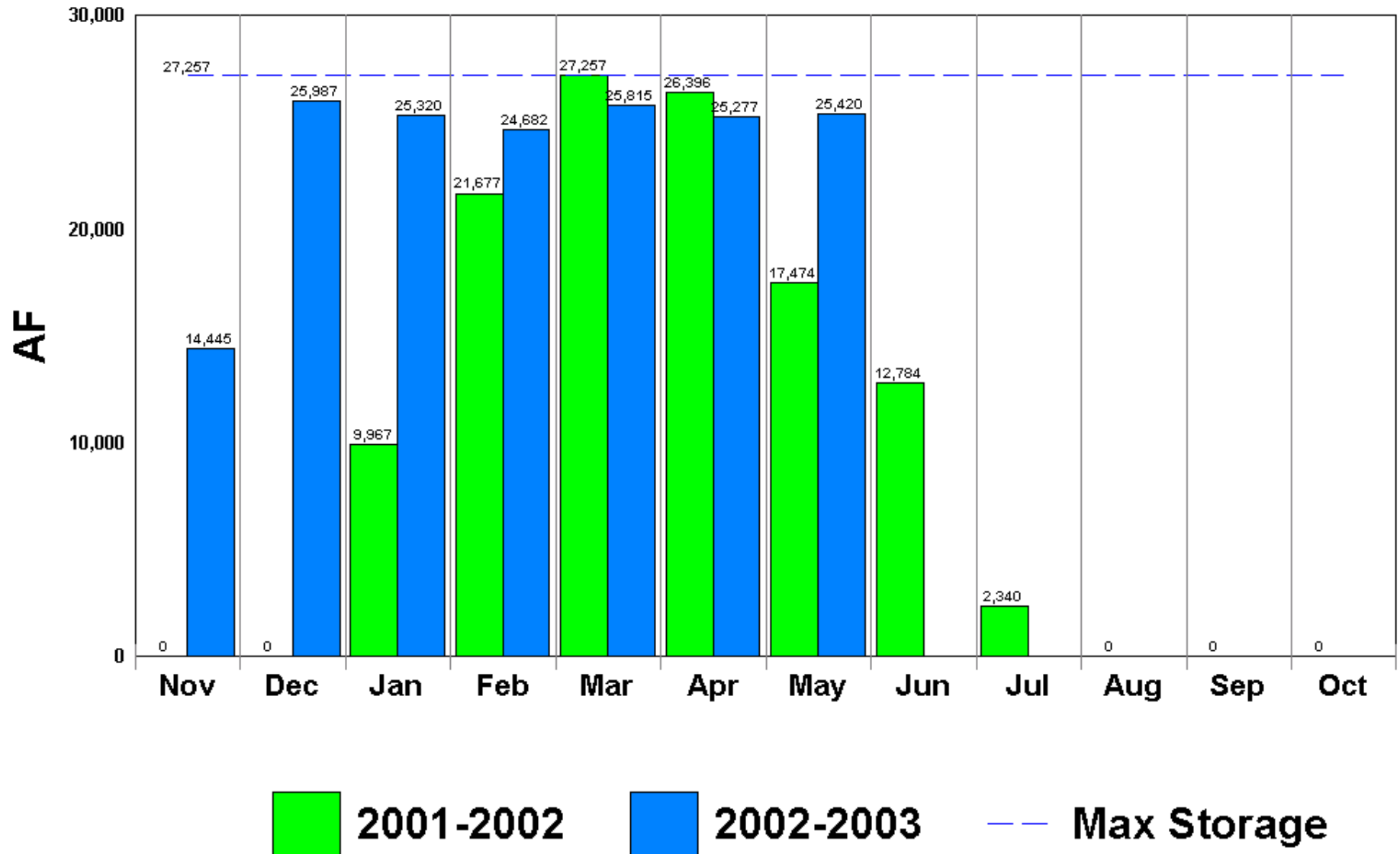
Prewitt Reservoir

(Agricultural)



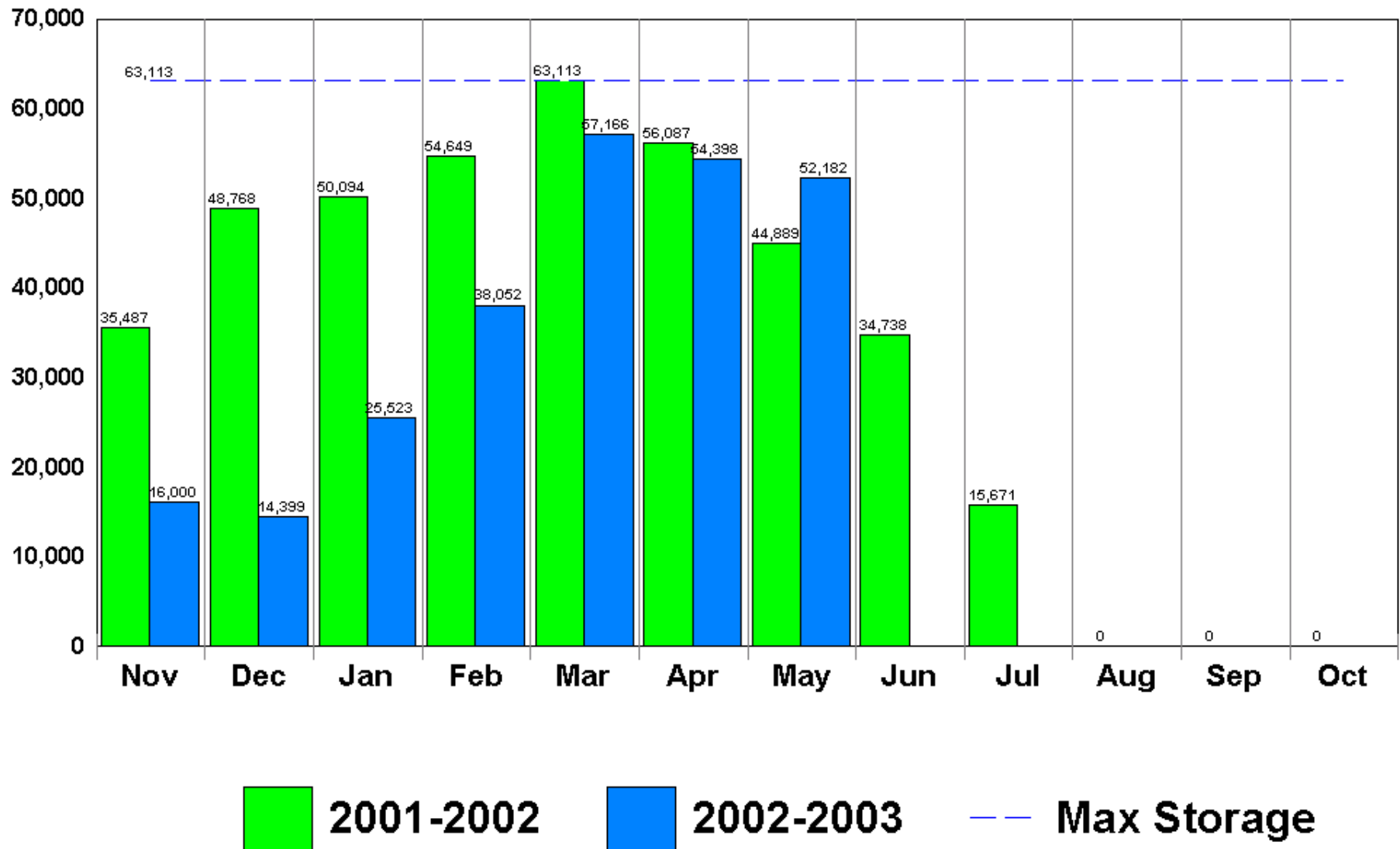
Jackson Reservoir

(Agricultural)



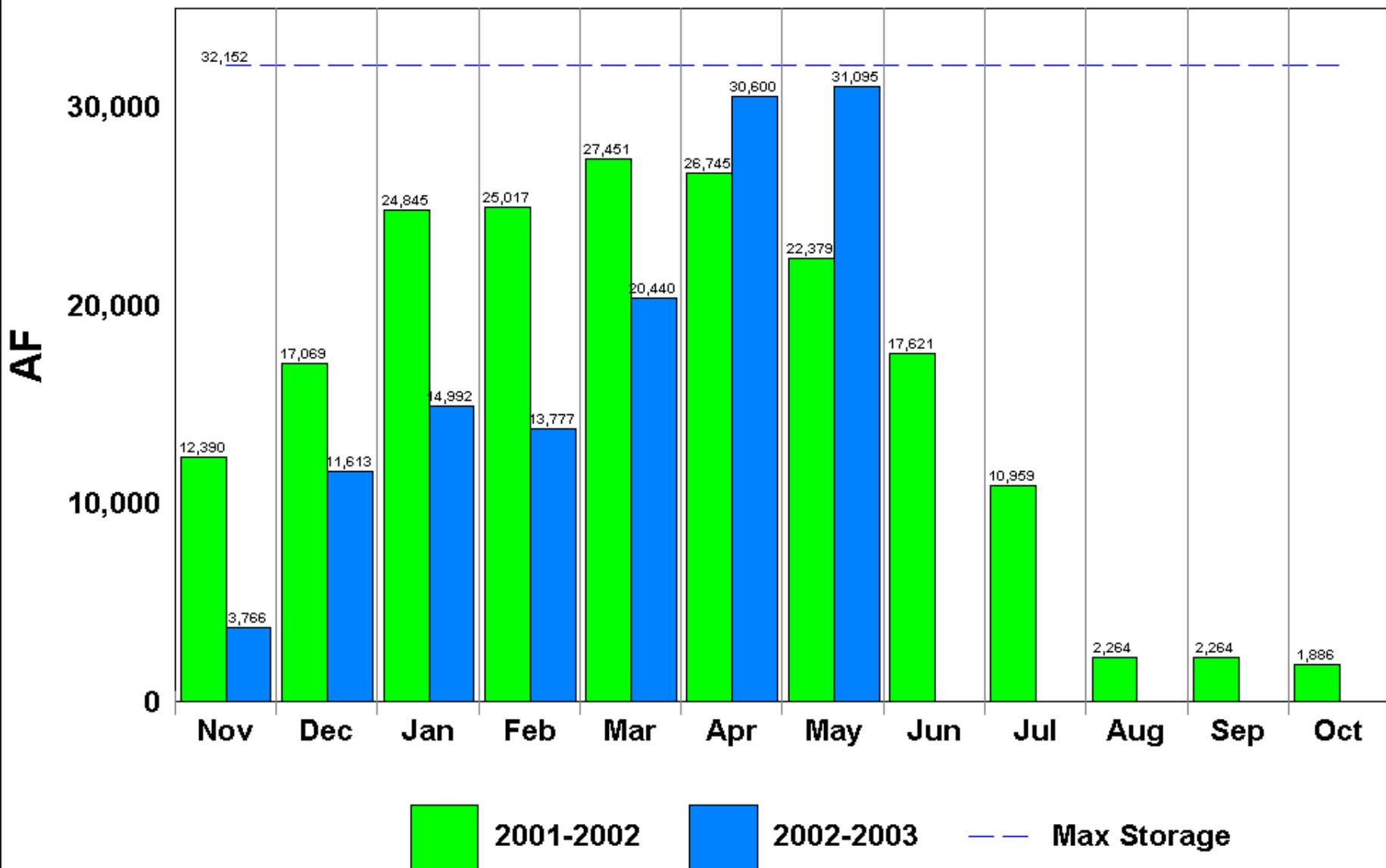
Riverside Reservoir

(Agricultural)



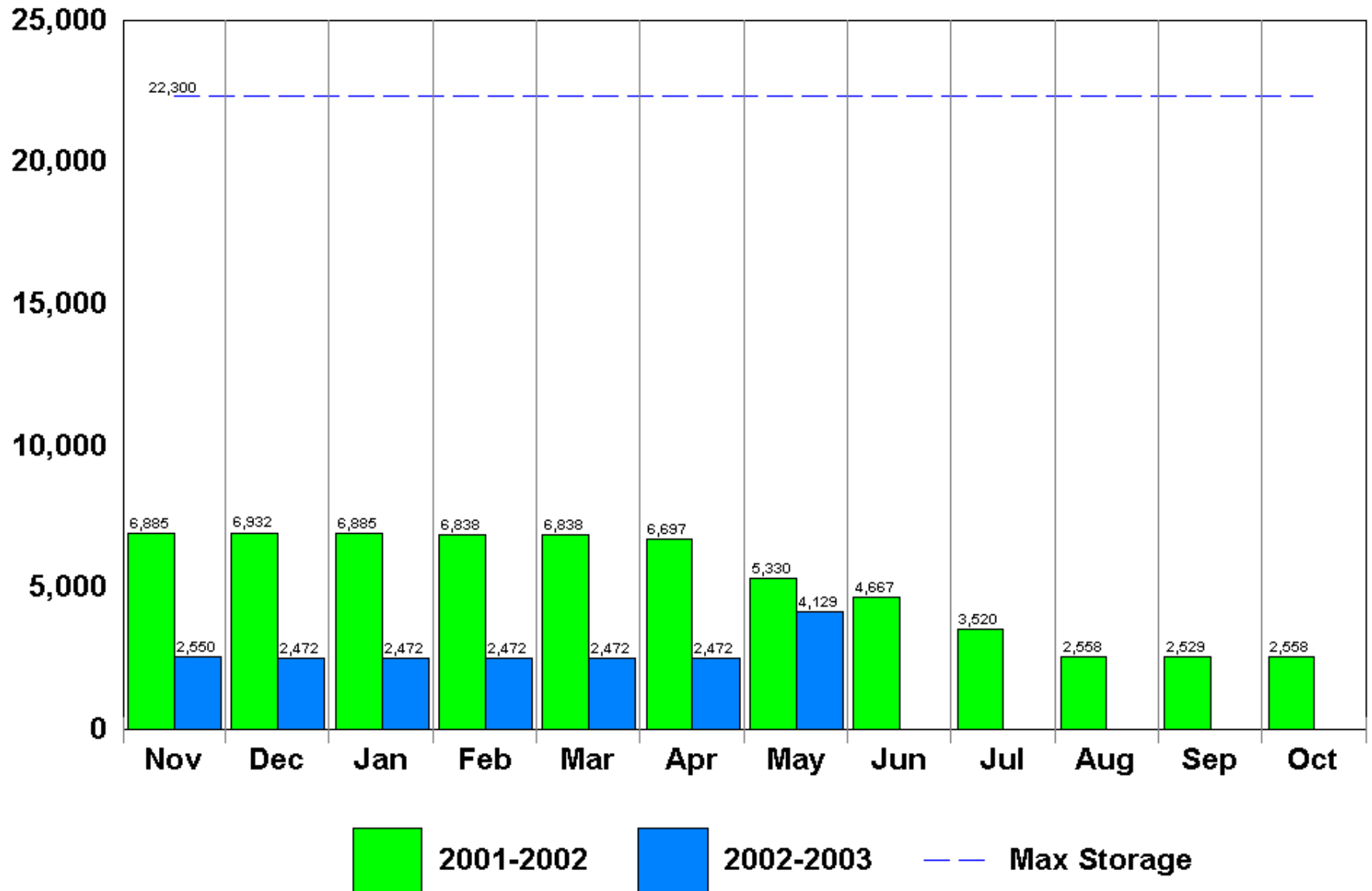
Barr Lake

(Agricultural)



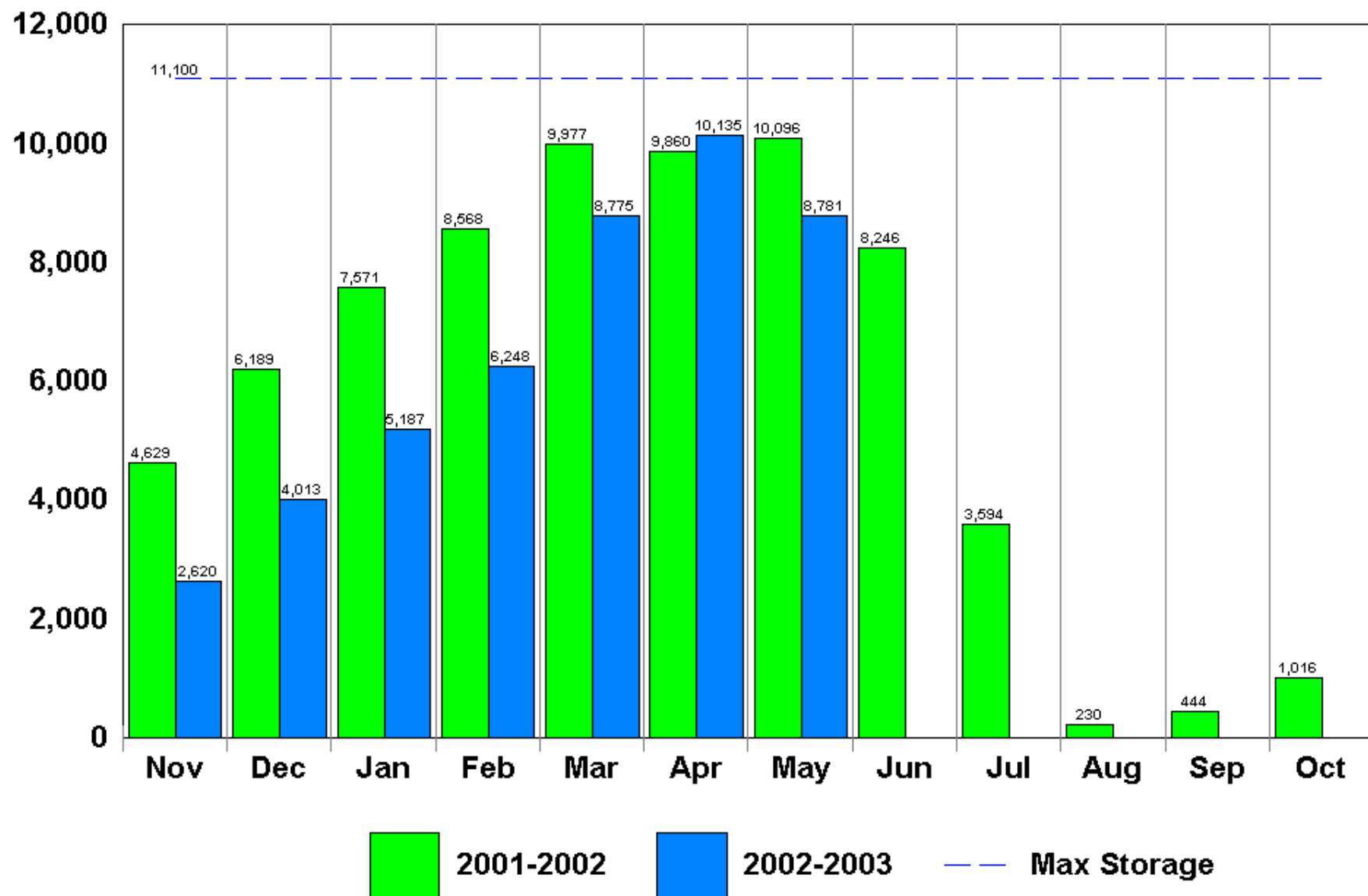
Cobb Lake

(Agricultural)



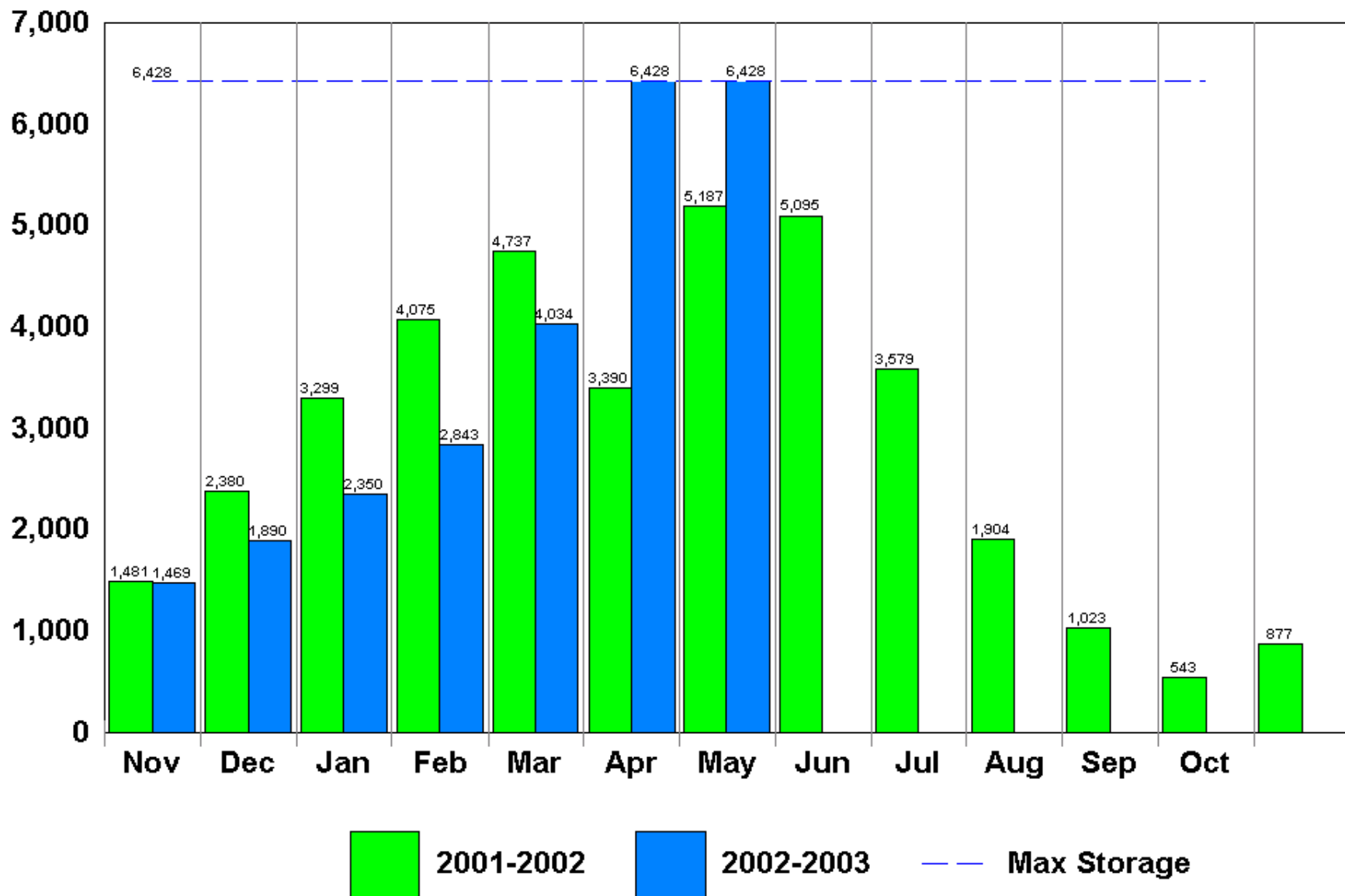
Fossil Creek Reservoir

(Agricultural)



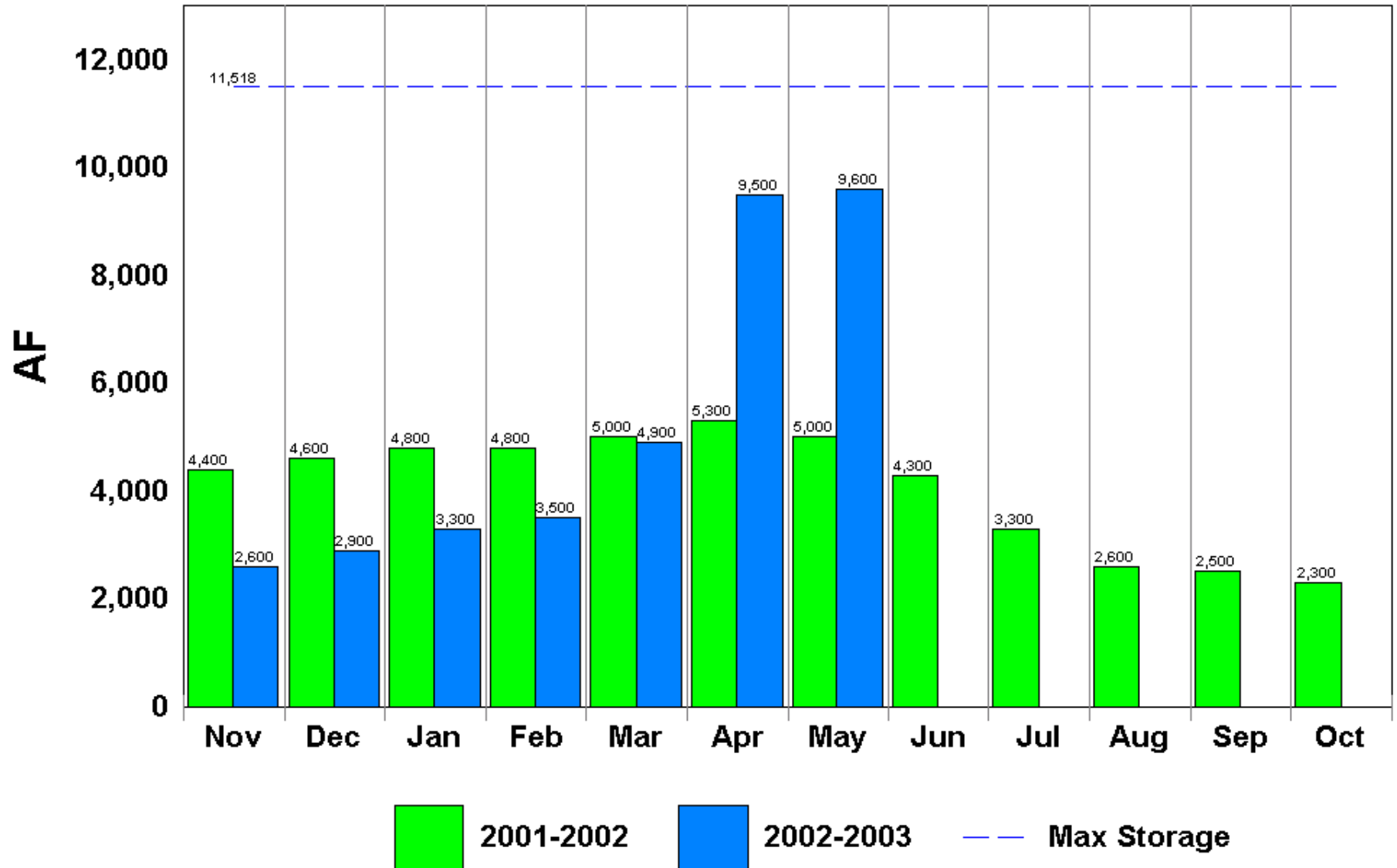
Halligan Reservoir

(Agricultural)



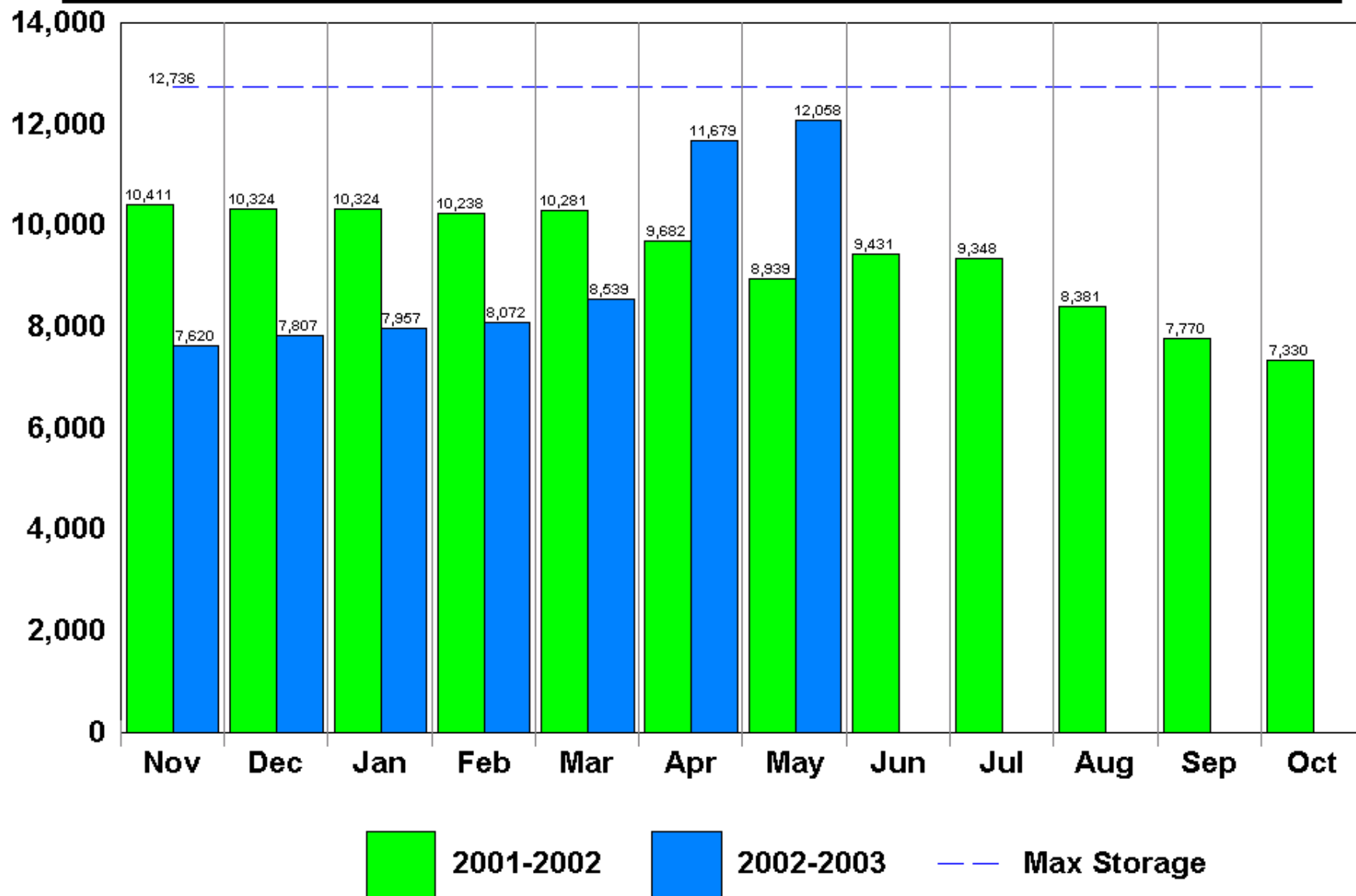
Marshall Lake

(Agricultural)



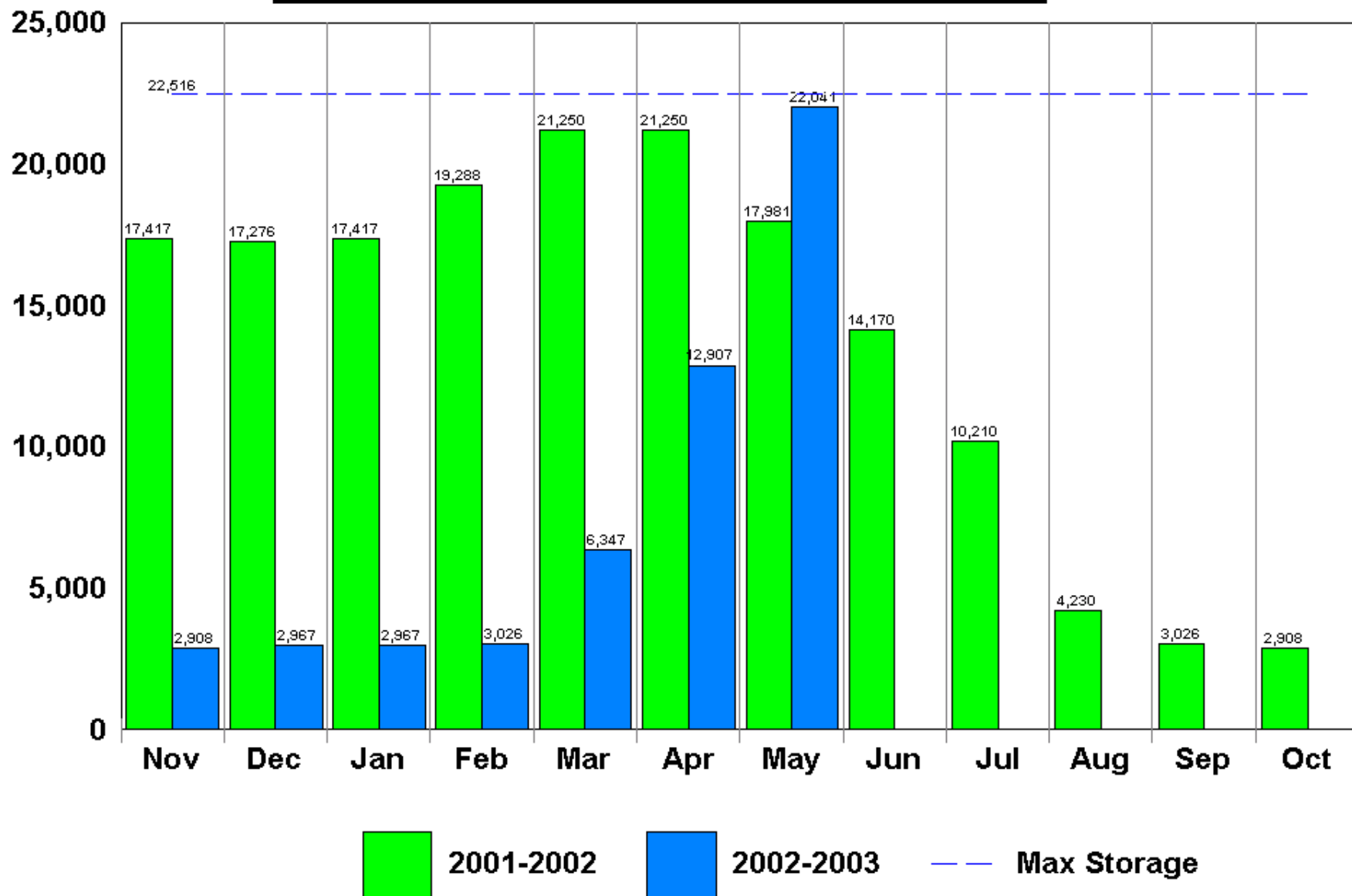
Loveland Greeley Reservoir

(Agricultural)



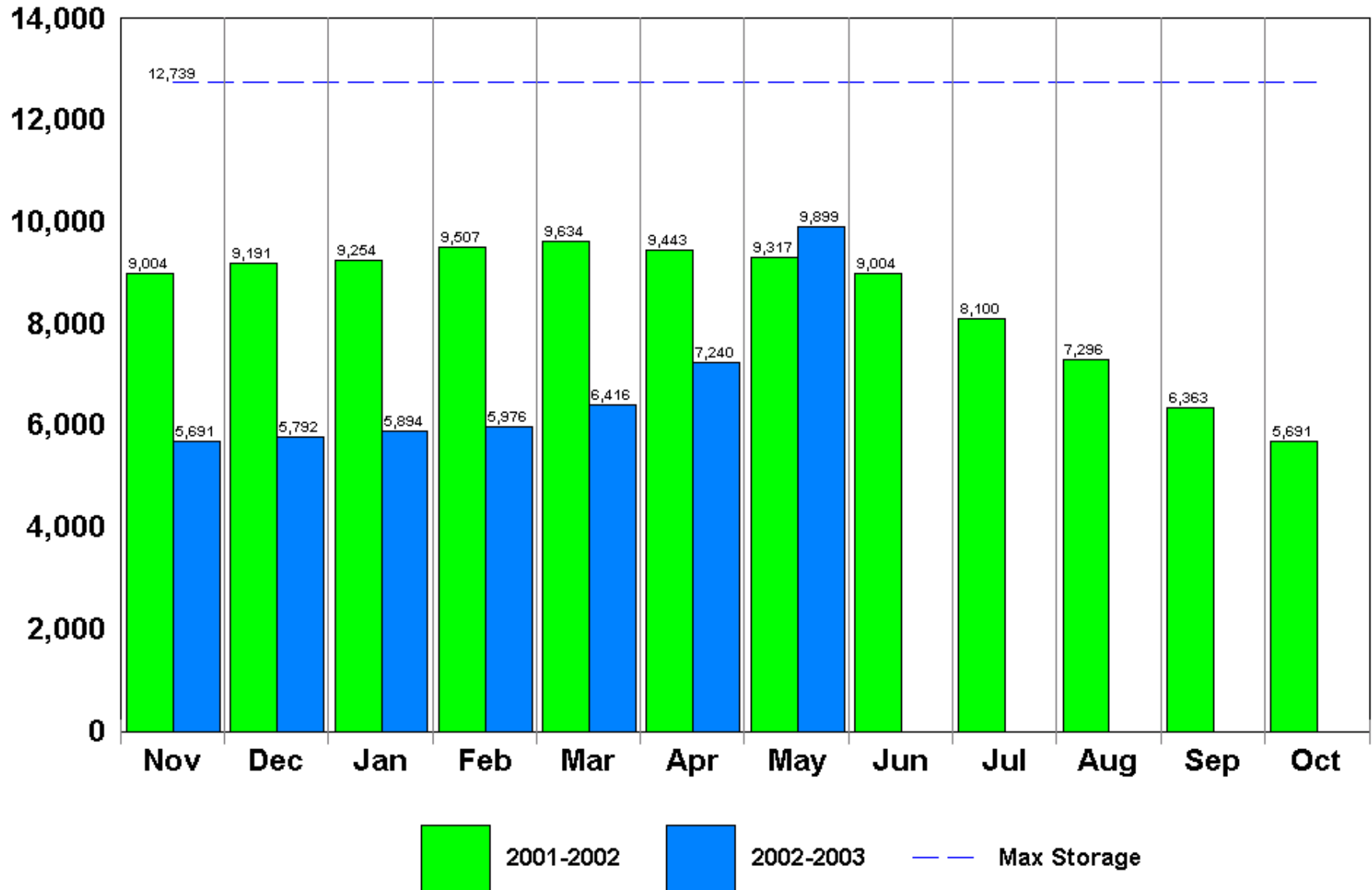
Milton Reservoir

(Agricultural)



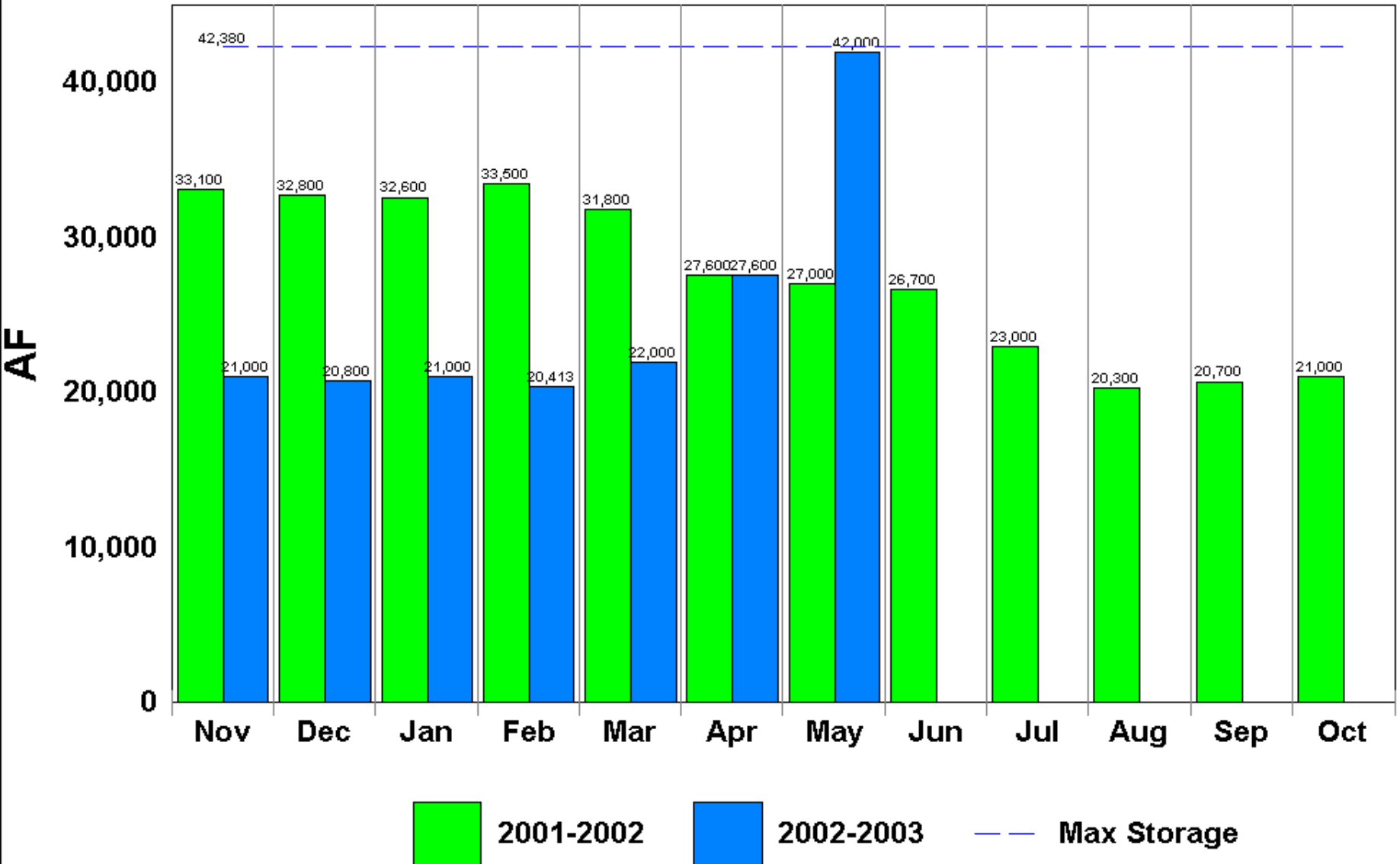
Union Reservoir

(Agricultural)



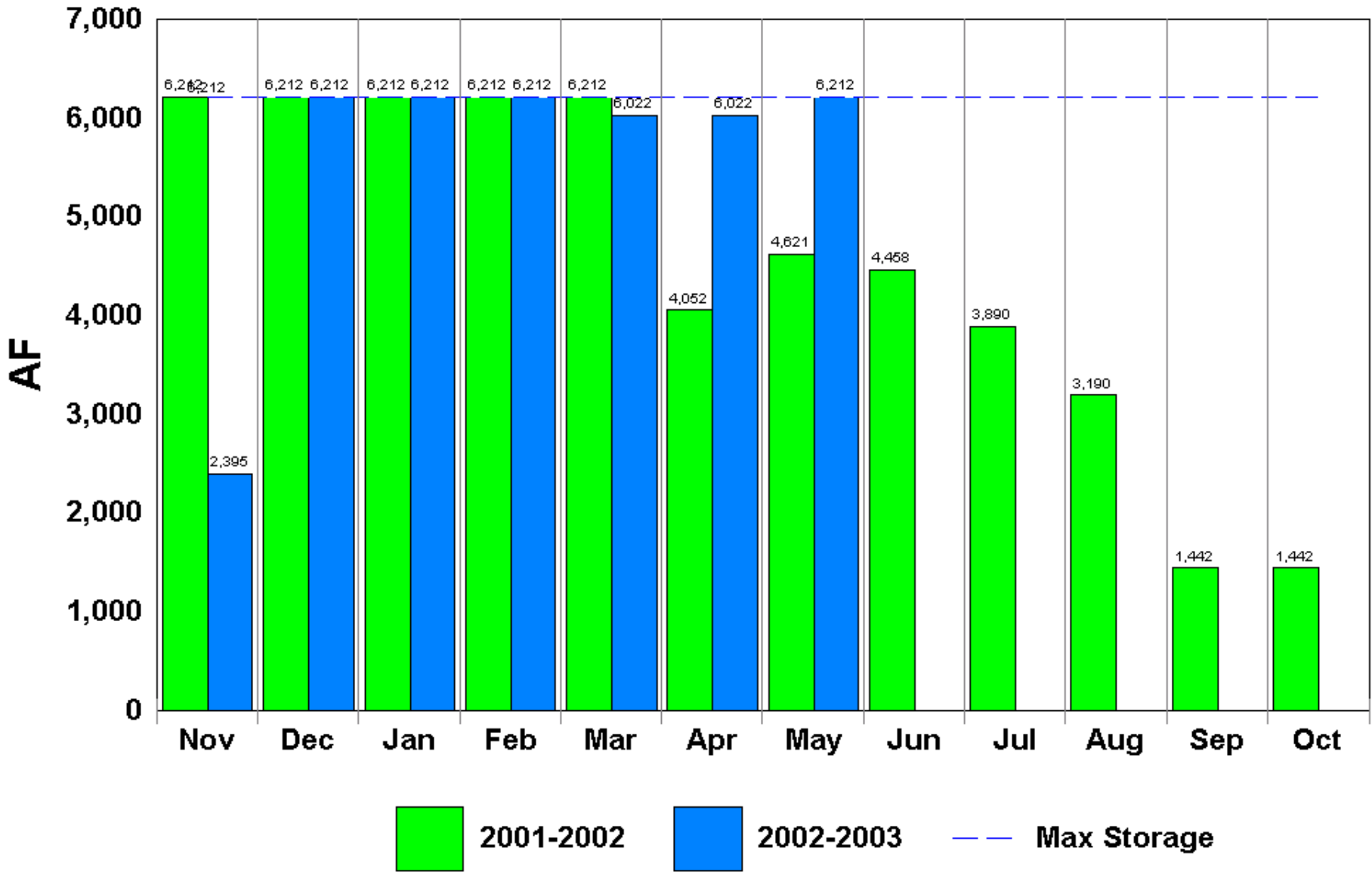
Standley Lake

(Agricultural)



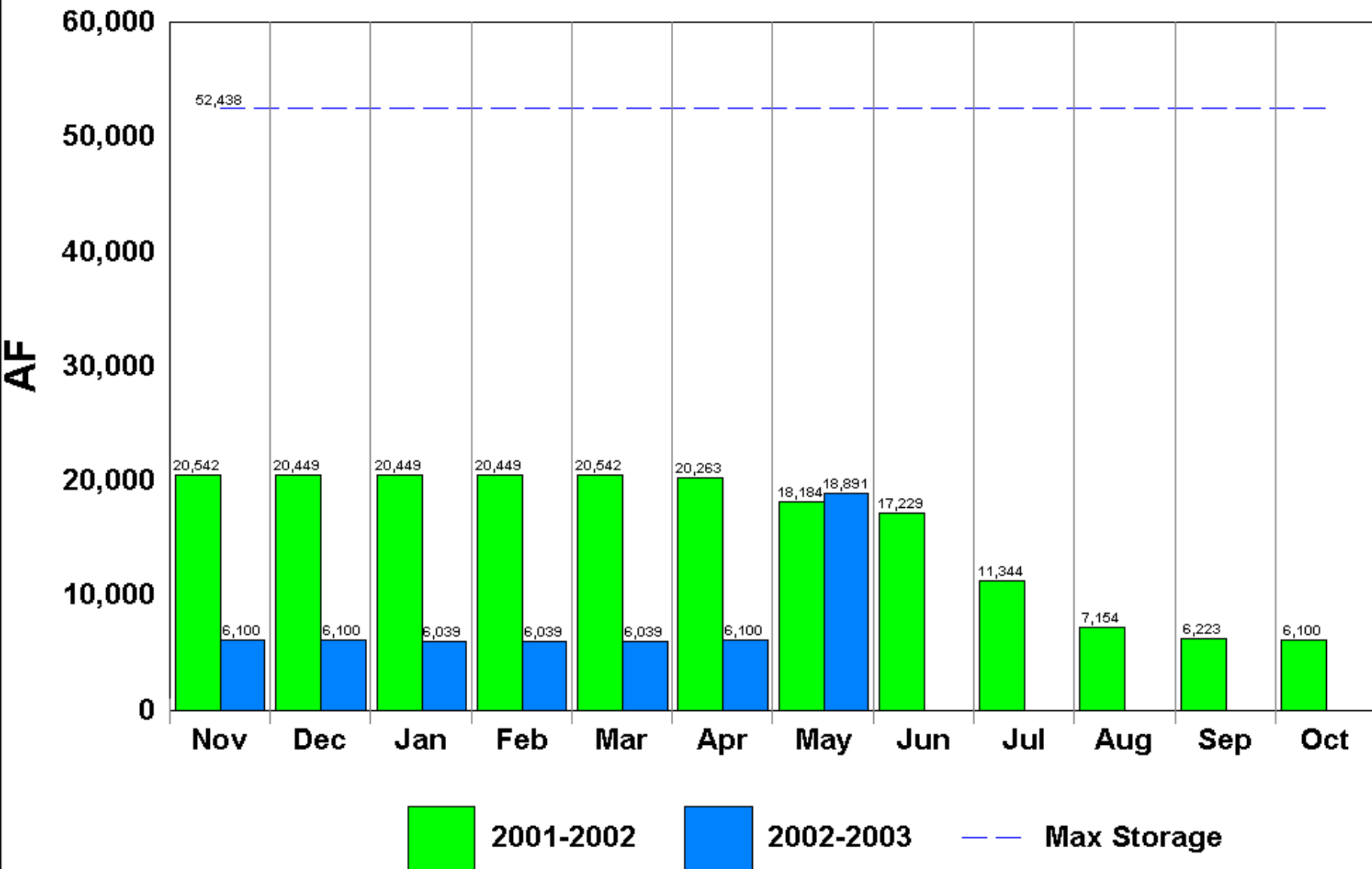
Lower Latham Reservoir

(Agricultural)



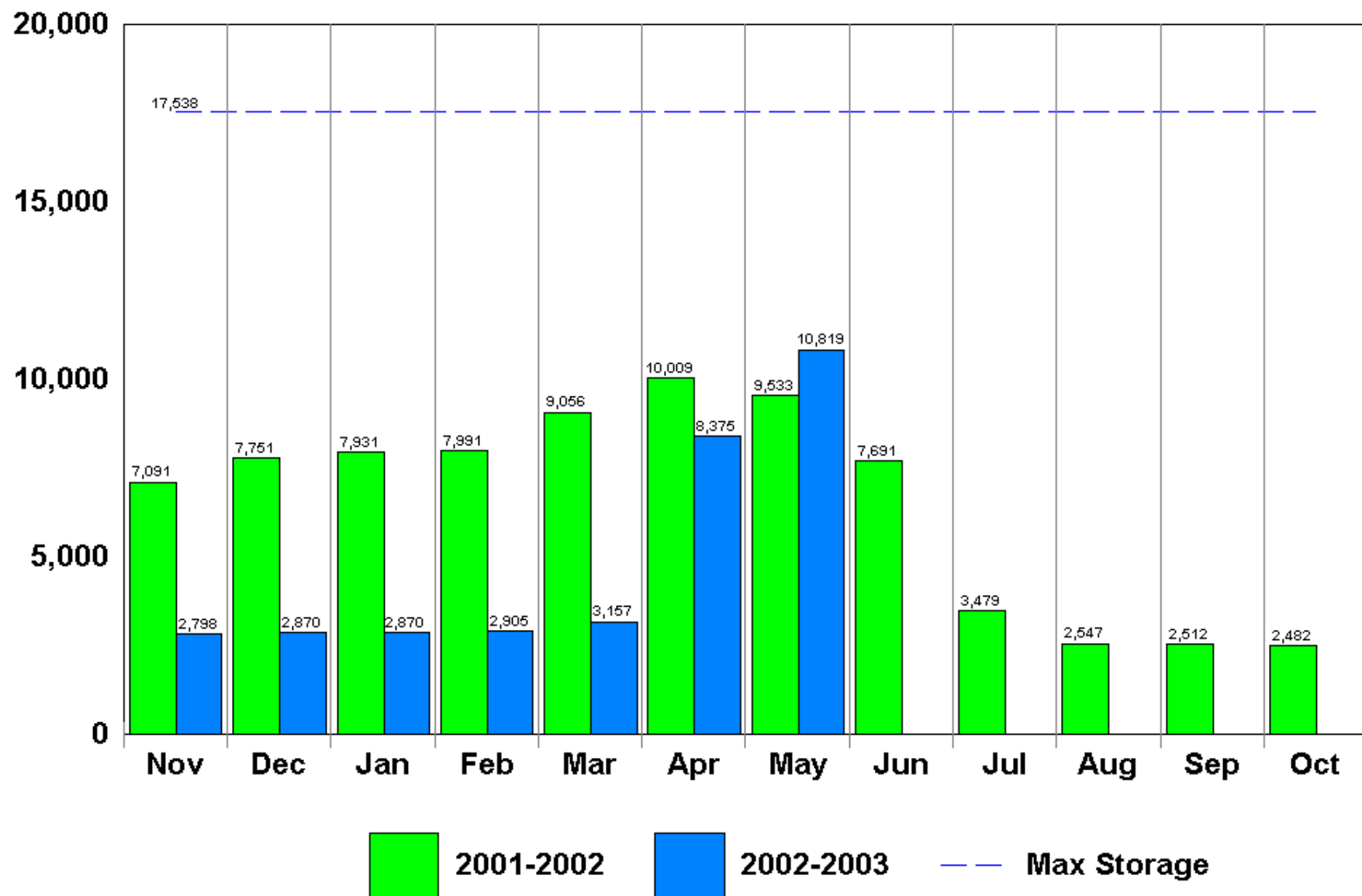
Boyd Lake

(Agricultural)



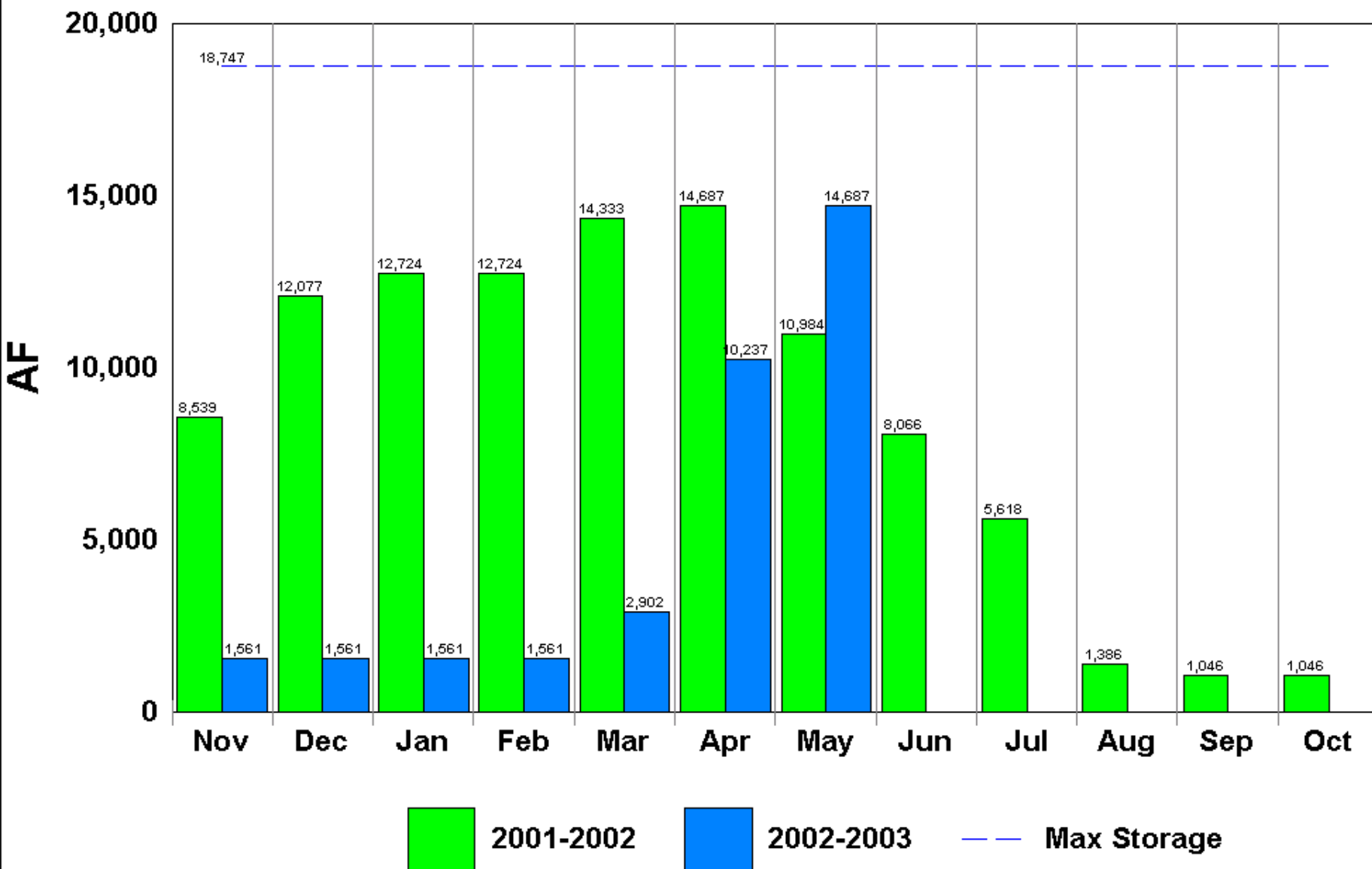
Windsor Reservoir

(Agricultural)



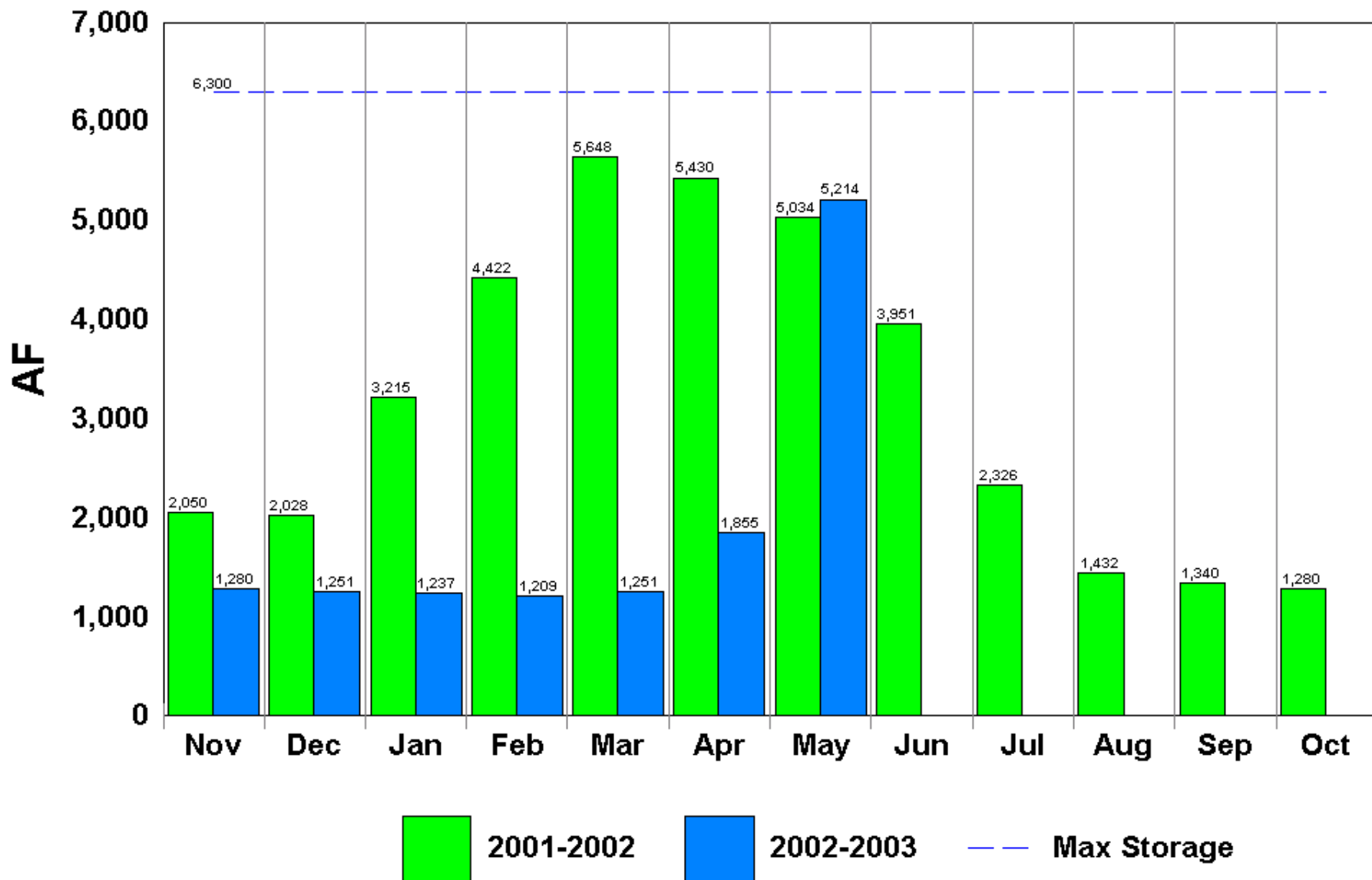
Horse Creek Reservoir

(Agricultural)



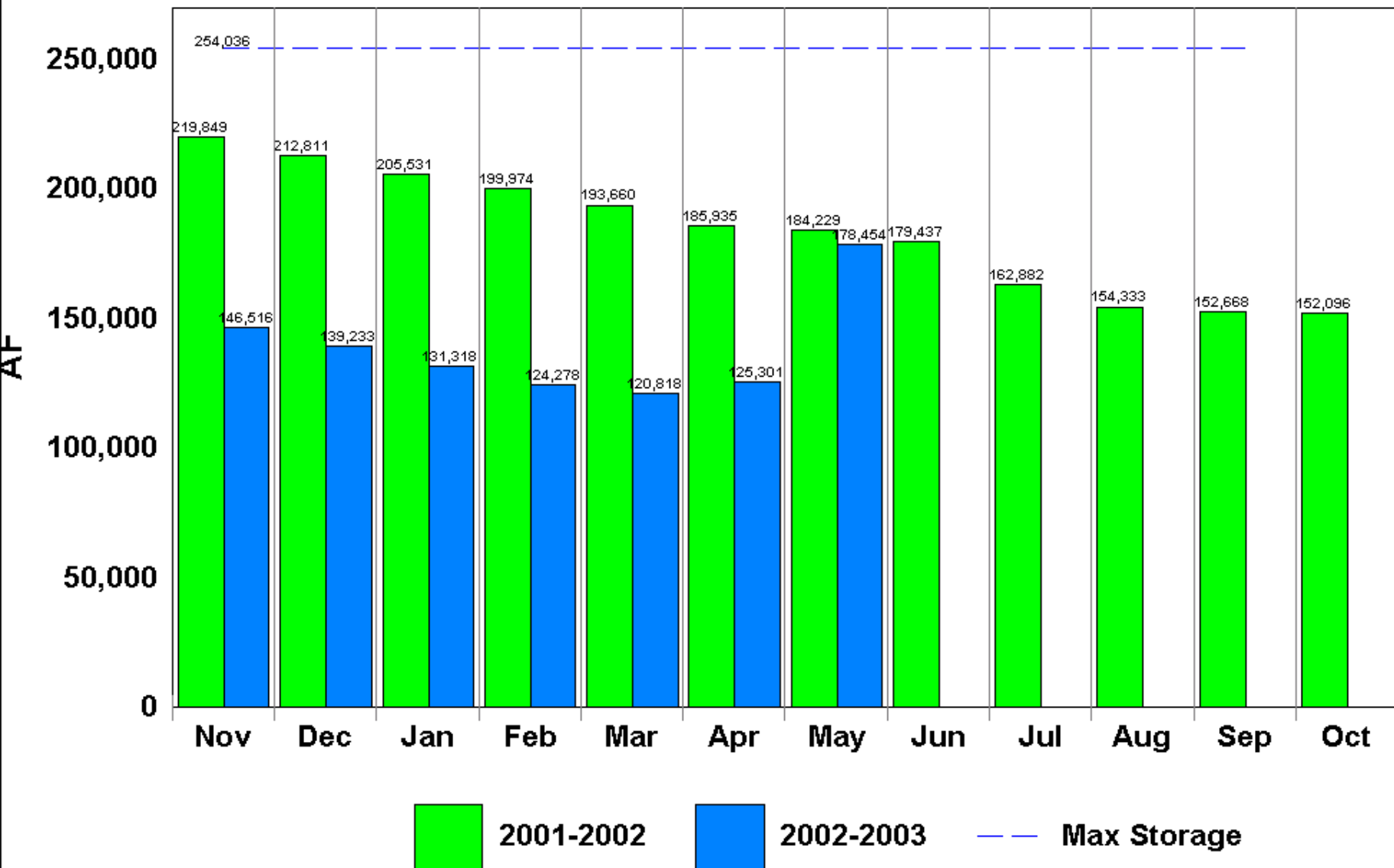
Prospect Reservoir

(Agricultural)



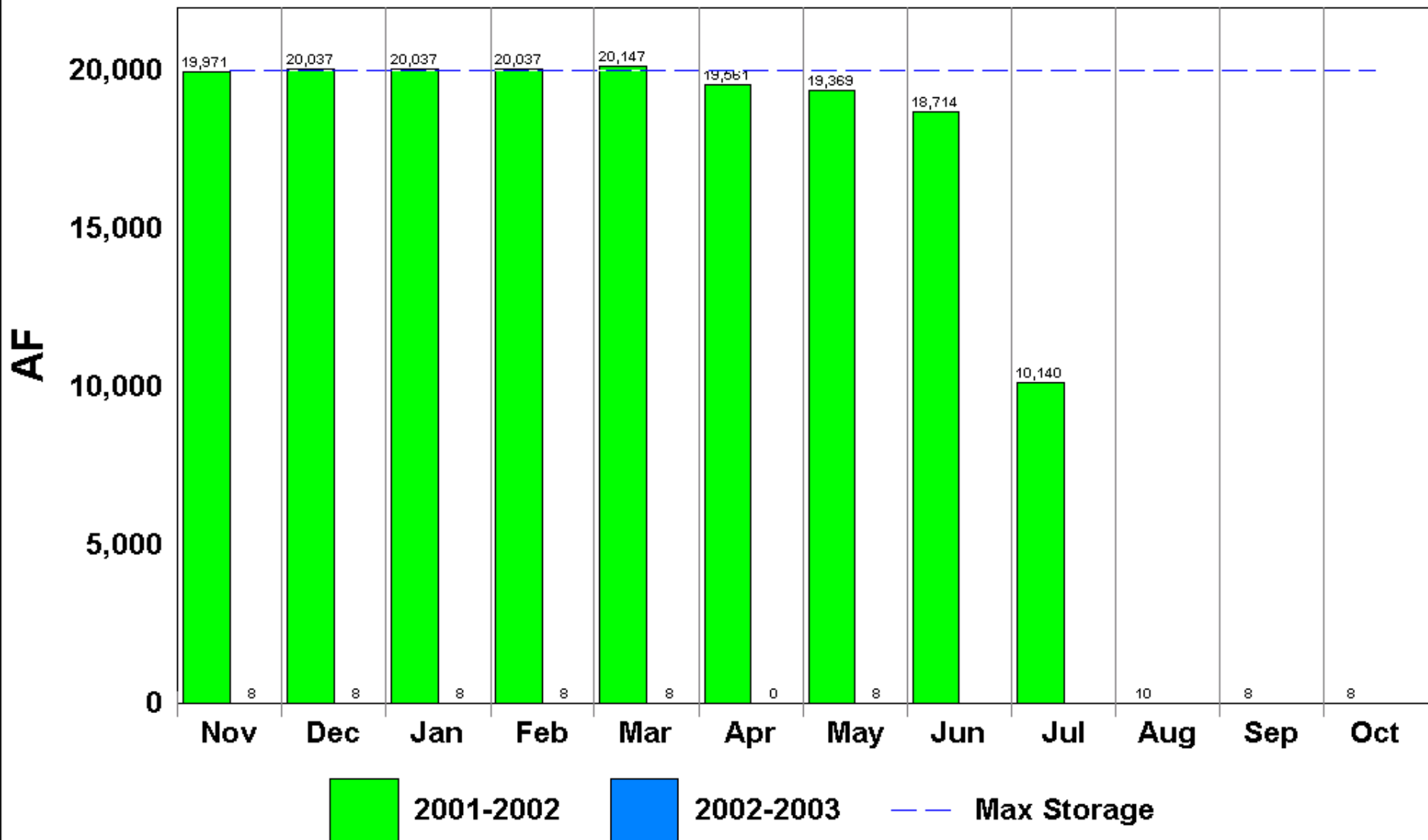
Dillon Reservoir

(Municipal)



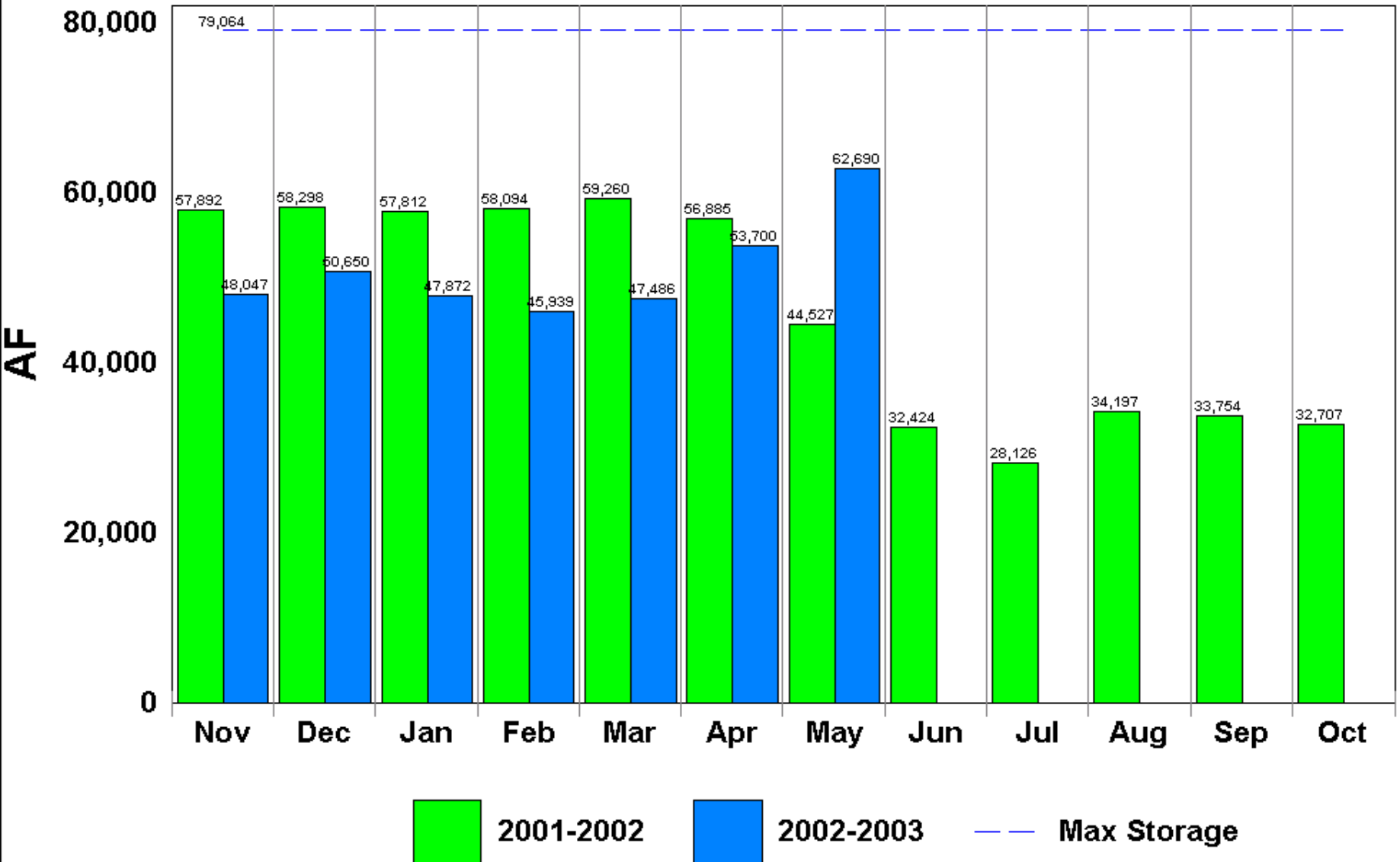
Antero Reservoir

(Municipal)



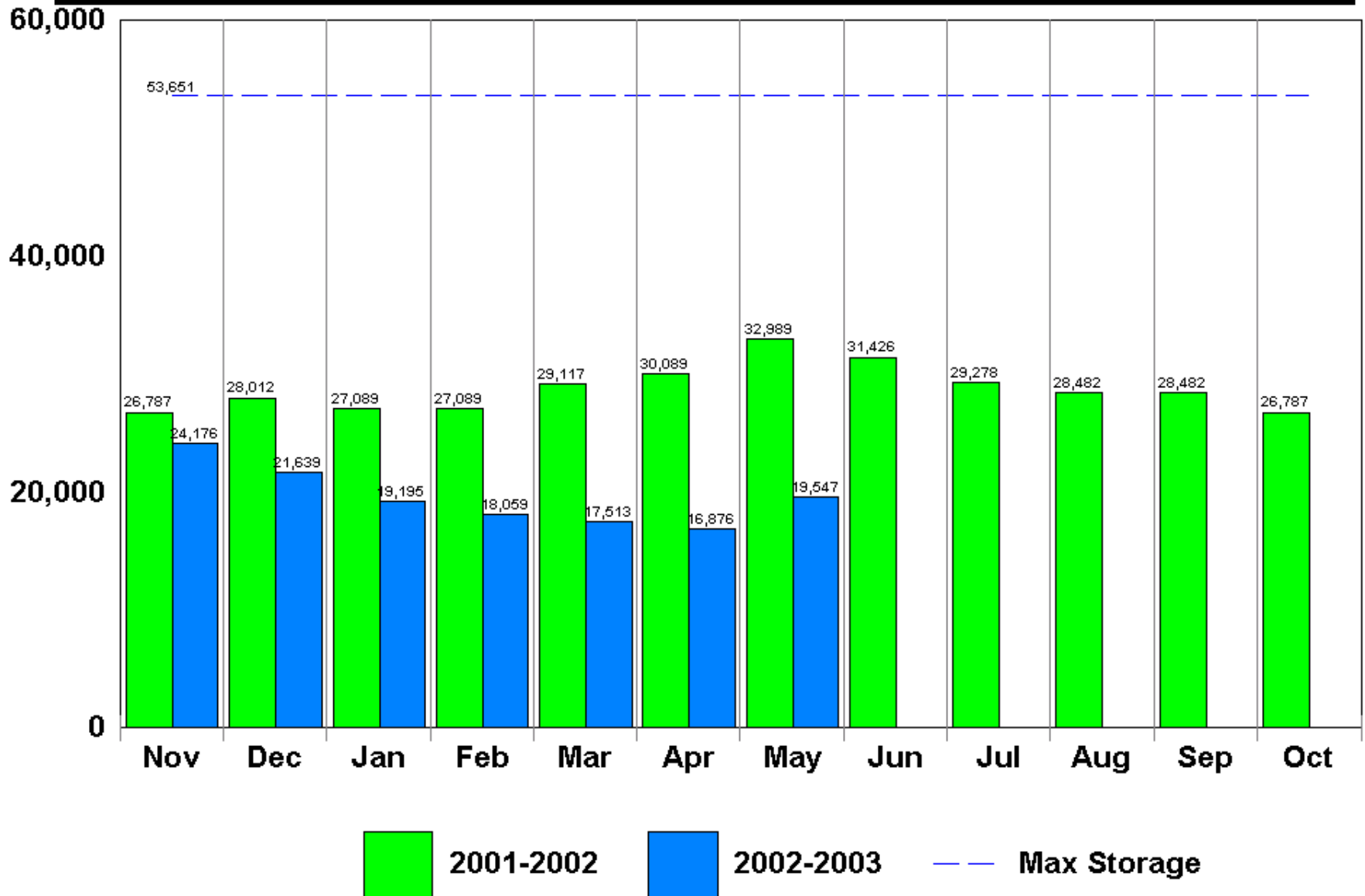
Cheesman Reservoir

(Municipal)



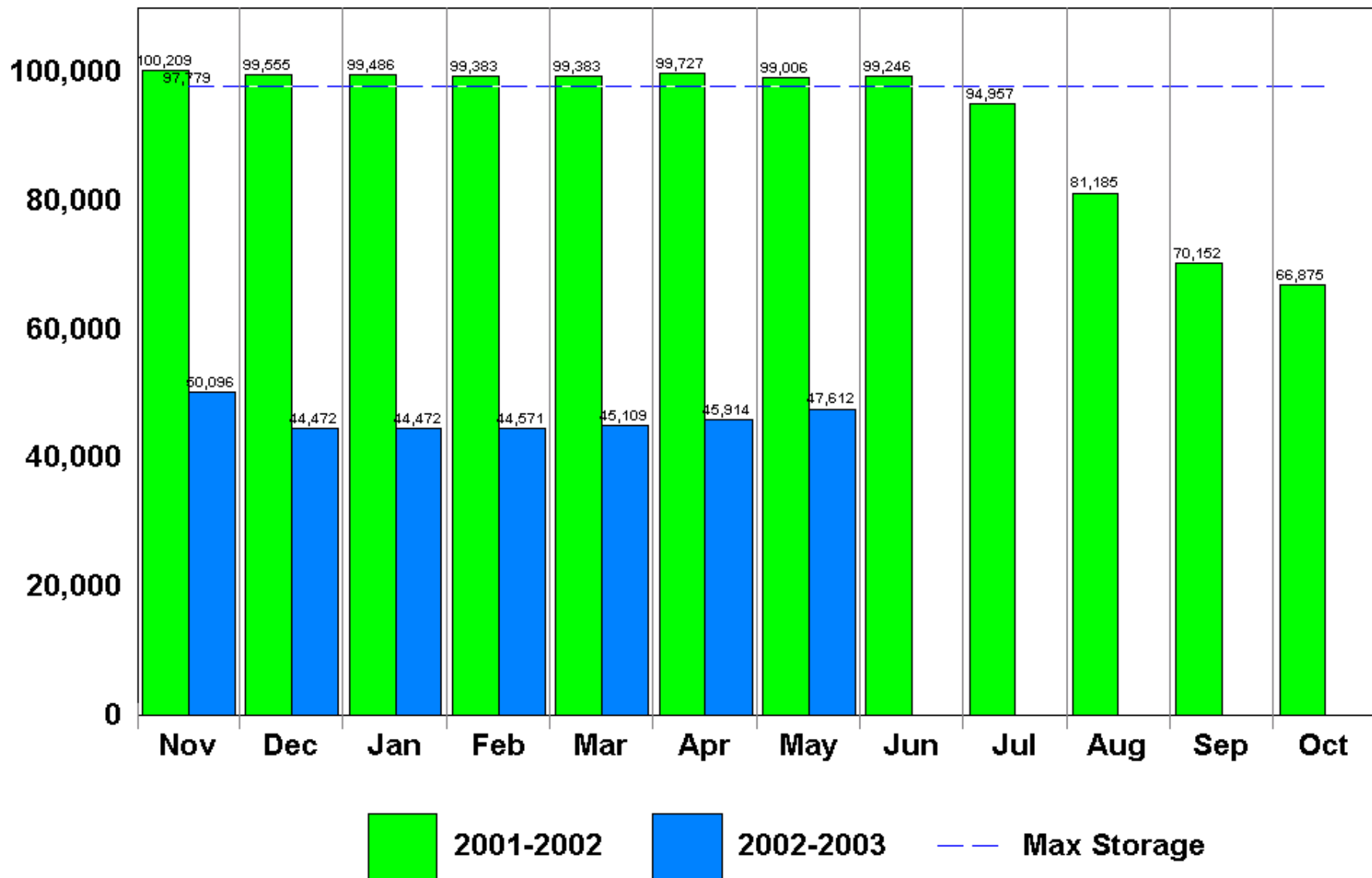
Spinney Mountain Reservoir

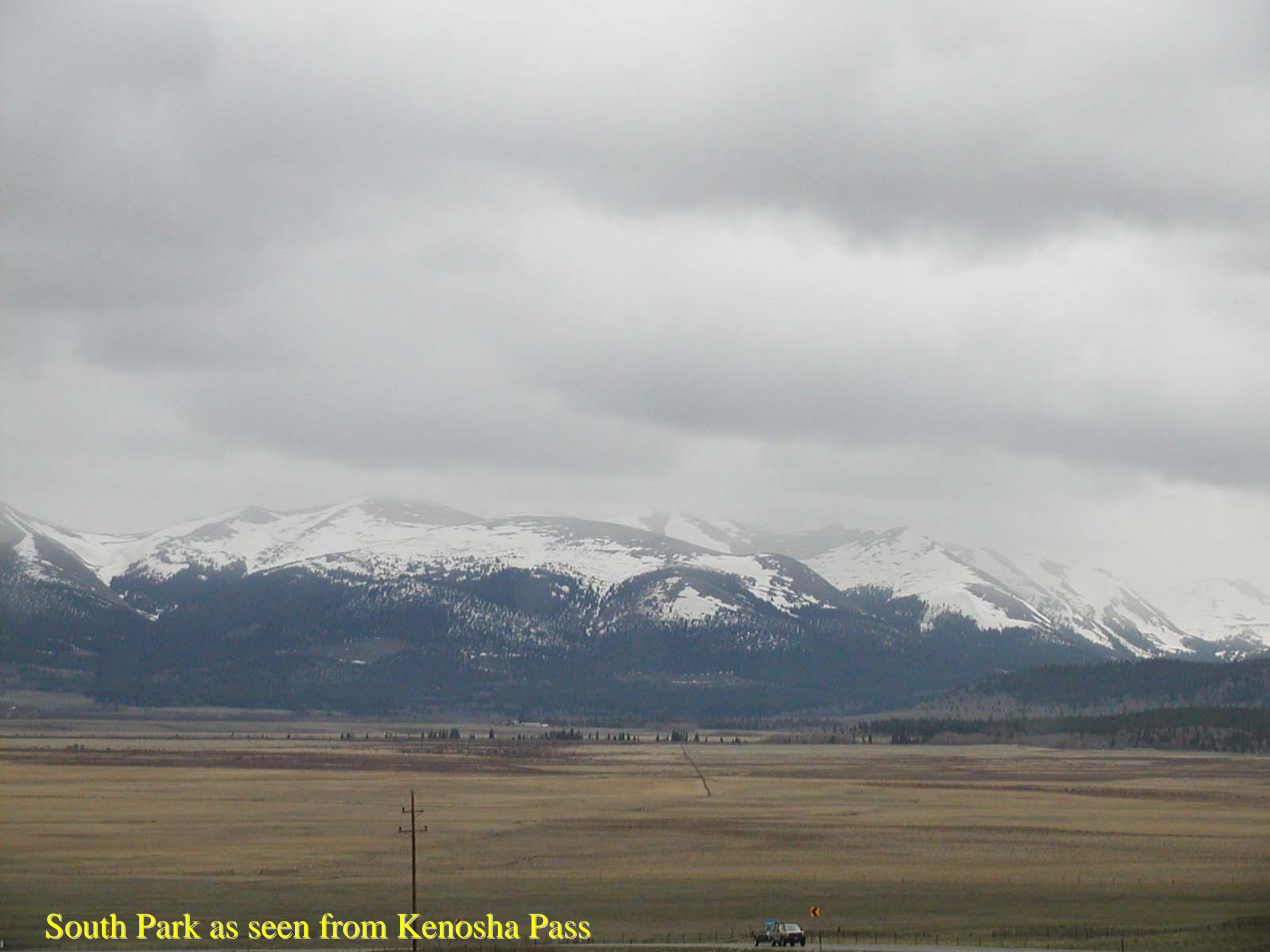
(Municipal)



Eleven Mile Reservoir

(Municipal)





South Park as seen from Kenosha Pass



Boulder Creek near Orodell



South Park looking west from the Tarryall



Installation of V notch weir on Infiltration ditch related to Kline Ranch Ditch transfer in South Park. Centennial Water and Sanitation District.



Lake Dillon May 5th