



# South Platte Summary

July 2003

By John Lochhead for SEO

# COLORADO DIVISION OF WATER RESOURCES, DIVISION 1

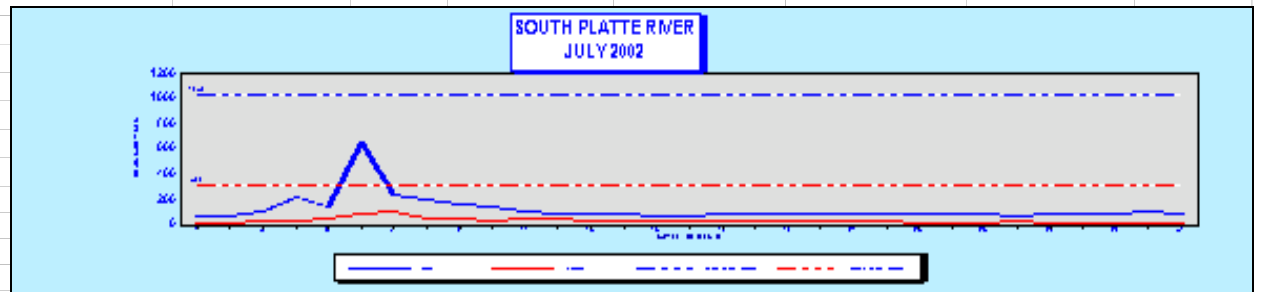
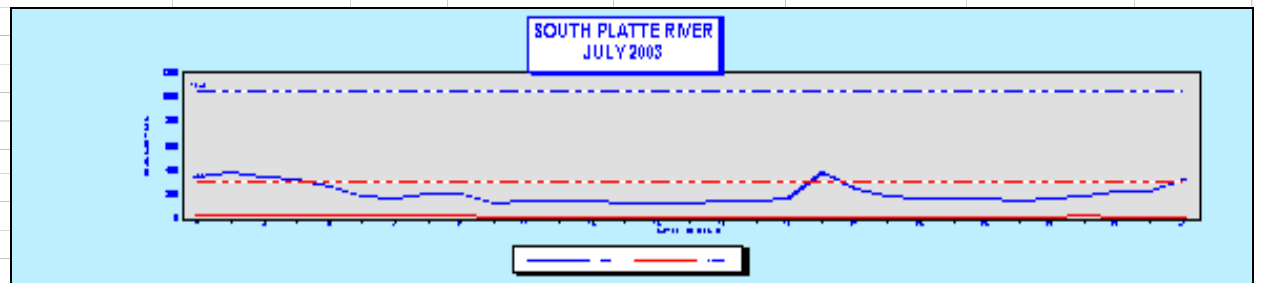
## MONTH OF JULY 2003

06-Aug

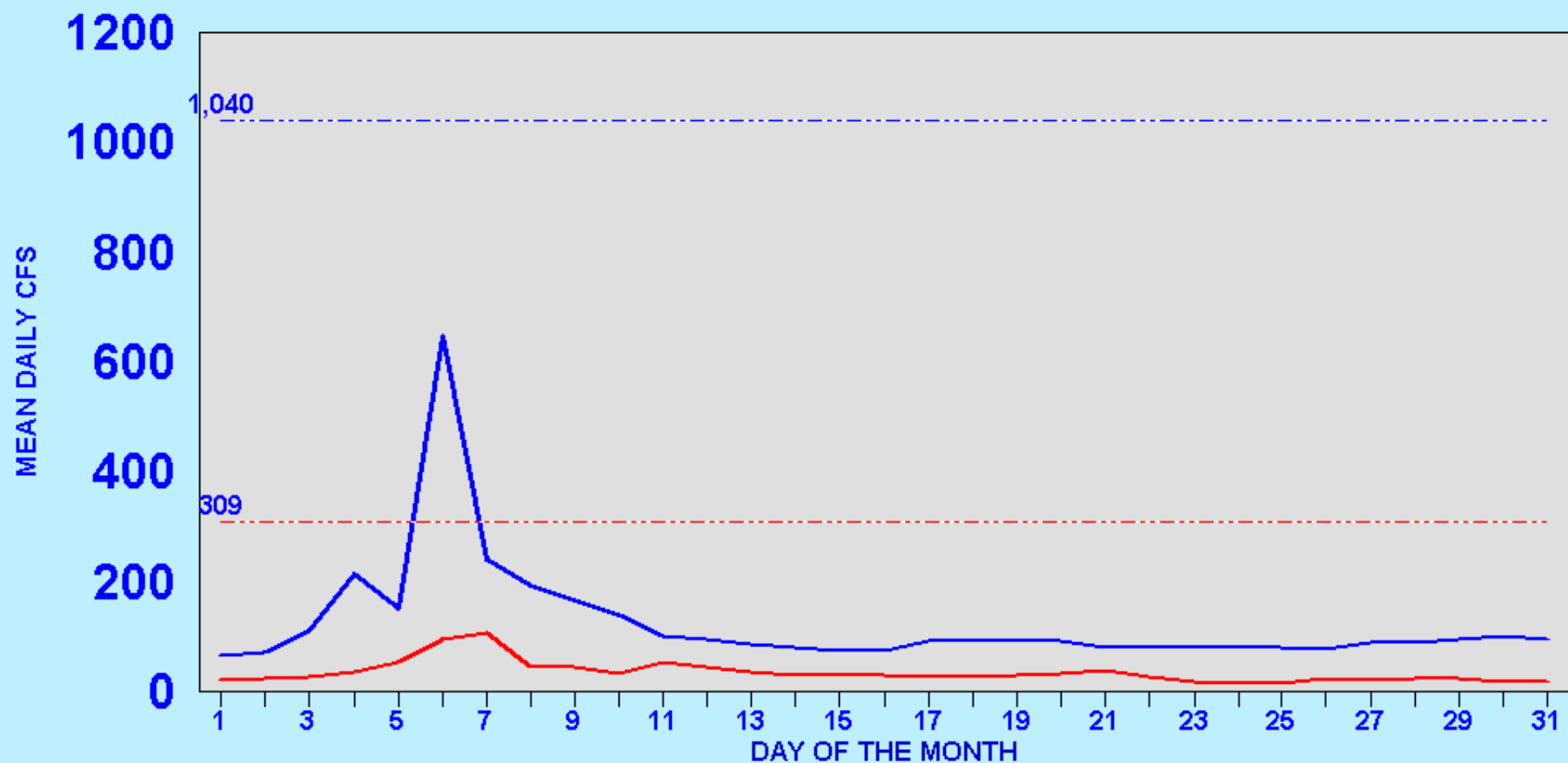
RESERVOIR	FULL ALLOWABLE CAPACITY (ACRE FEET)	FIRST OF MONTH (ACRE FEET)	END OF MONTH (ACRE FEET)	(ACR)	DISTRICT	CHANGE IN STORAGE (ACRE FEET)	% CHANGE IN STORAGE BASED ON FIRST OF MONTH STORAGE	% OF CURRENT FULL ALLOWABLE CAPACITY	% OF CURRENT FULL ALLOWABLE CAPACITY THIS MONTH, (LAST YEAR)	SURCHARGE (ACRE FEET)
<b>JULESBURG</b>	<b>22,666</b>	<b>19,660</b>	<b>10,140</b>	<b>64</b>		<b>(9,520)</b>	<b>-48%</b>	<b>45%</b>	<b>24%</b>	<b>0</b>
<b>NORTH STERLING</b>	<b>73,730</b>	<b>72,440</b>	<b>44,600</b>	<b>64</b>		<b>(27,840)</b>	<b>-38%</b>	<b>60%</b>	<b>30%</b>	<b>0</b>
<b>PREWITT</b>	<b>28,500</b>	<b>27,220</b>	<b>16,600</b>	<b>64</b>		<b>(10,620)</b>	<b>-39%</b>	<b>58%</b>	<b>38%</b>	<b>0</b>
<b>JACKSON</b>	<b>27,257</b>	<b>26,740</b>	<b>16,345</b>	<b>1</b>		<b>(10,395)</b>	<b>-39%</b>	<b>60%</b>	<b>9%</b>	<b>0</b>
<b>EMPIRE</b>	<b>37,700</b>	<b>26,275</b>	<b>14,579</b>	<b>1</b>		<b>(11,696)</b>	<b>-45%</b>	<b>39%</b>	<b>3%</b>	<b>0</b>
<b>RIVERSIDE</b>	<b>63,113</b>	<b>59,925</b>	<b>40,565</b>	<b>1</b>		<b>(19,360)</b>	<b>-32%</b>	<b>64%</b>	<b>25%</b>	<b>0</b>
<b>BARR LAKE</b>	<b>31,652</b>	<b>30,537</b>	<b>18,600</b>	<b>2</b>		<b>(11,937)</b>	<b>-39%</b>	<b>59%</b>	<b>35%</b>	<b>0</b>
<b>CHEESMAN</b>	<b>79,064</b>	<b>74,482</b>	<b>77,890</b>	<b>80</b>		<b>3,408</b>	<b>5%</b>	<b>99%</b>	<b>36%</b>	<b>0</b>
<b>ELEVEN MILE</b>	<b>97,779</b>	<b>50,440</b>	<b>54,682</b>	<b>23</b>		<b>4,242</b>	<b>8%</b>	<b>56%</b>	<b>97%</b>	<b>0</b>
<b>SPINNEY</b>	<b>53,651</b>	<b>33,885</b>	<b>38,457</b>	<b>23</b>		<b>4,572</b>	<b>13%</b>	<b>72%</b>	<b>55%</b>	<b>0</b>
<b>ANTERO</b>	<b>20,015</b>	<b>8</b>	<b>8</b>	<b>23</b>		<b>0</b>	<b>0%</b>	<b>0%</b>	<b>51%</b>	<b>0</b>

RIVER GAGES	MEAN DAILY FLOW (CFS)
<b>KERSEY</b>	<b>212</b>
<b>JULESBURG</b>	<b>21</b>
<b>THIS MONTH LAST YEAR</b>	
<b>KERSEY</b>	<b>124</b>
<b>JULESBURG</b>	<b>34</b>
<b>MEAN FOR PERIOD OF RECORD*</b>	
<b>KERSEY</b>	<b>1040</b>
<b>JULESBURG</b>	<b>309</b>

\* 1976-2001  
1902-2001



# SOUTH PLATTE RIVER JULY 2002



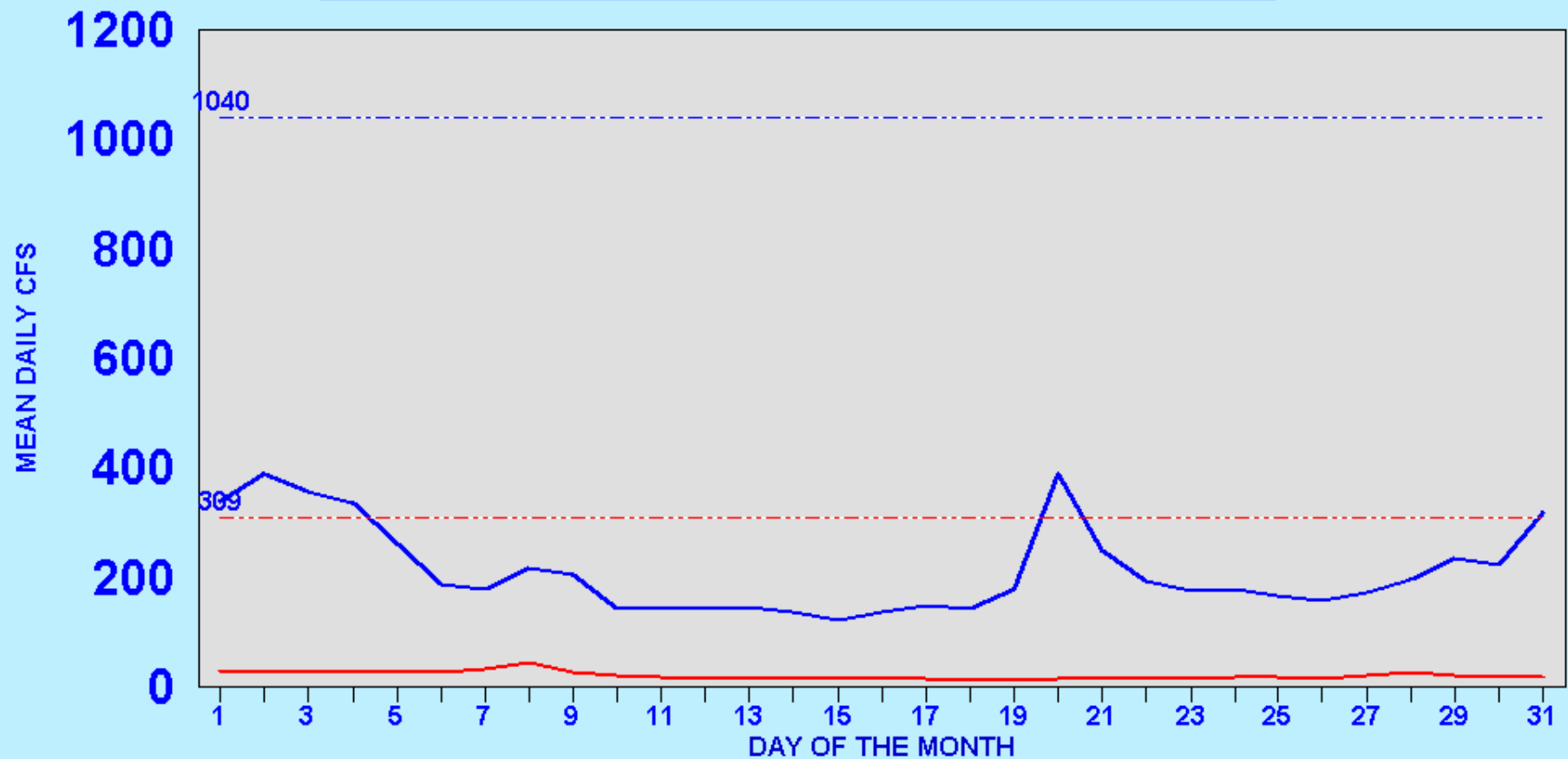
— KERSEY

— JULESBURG

----- Kersey July avg. 1976-2001

----- Julesburg July avg. 1902-2001

# SOUTH PLATTE RIVER JULY 2003



— KERSEY

— JULESBURG

- - - - Kersey avg. 1976-2001

- - - - Julesburg avg. 1902-2001

## 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	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	1748		Jun	1504	12200	1983	8.33	1910	57	
Jul	1040	5784	1983	183	1994	212		Jul	309	5059	1983	2.15	1903	21	
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		

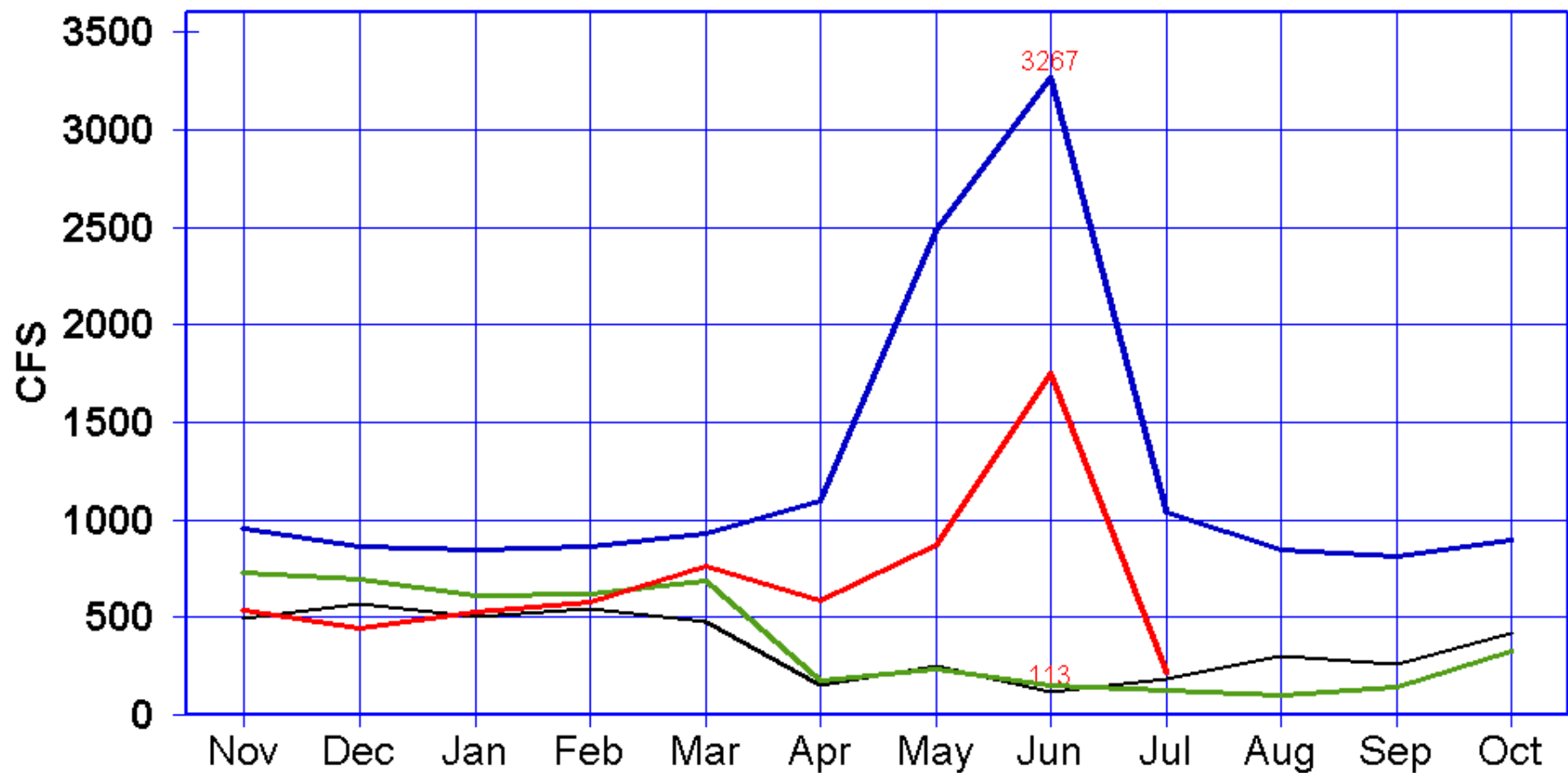
\*Period of record 1976-2001

\*Period of record 1902-2001

Hanging intake pipeline of the Independent Highline off Turkey Creek

# South Platte River at Kersey

Irrigation Water Year\*

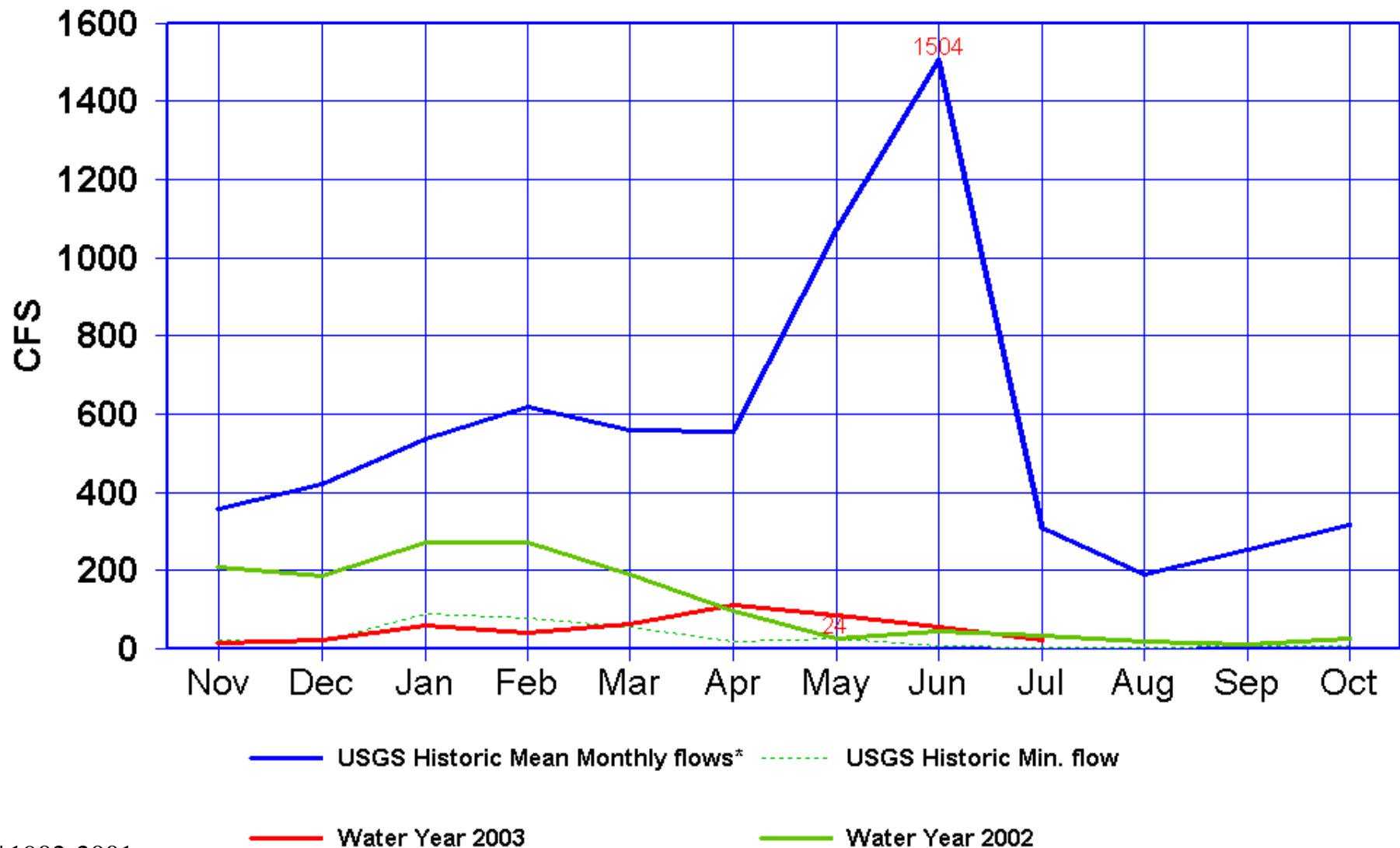


— Mean monthly flows\* — Min. monthly flow\* — 2001-2002 mean flow — 2002-2003 mean flow

\* 1976-2001

# South Platte River at Julesburg

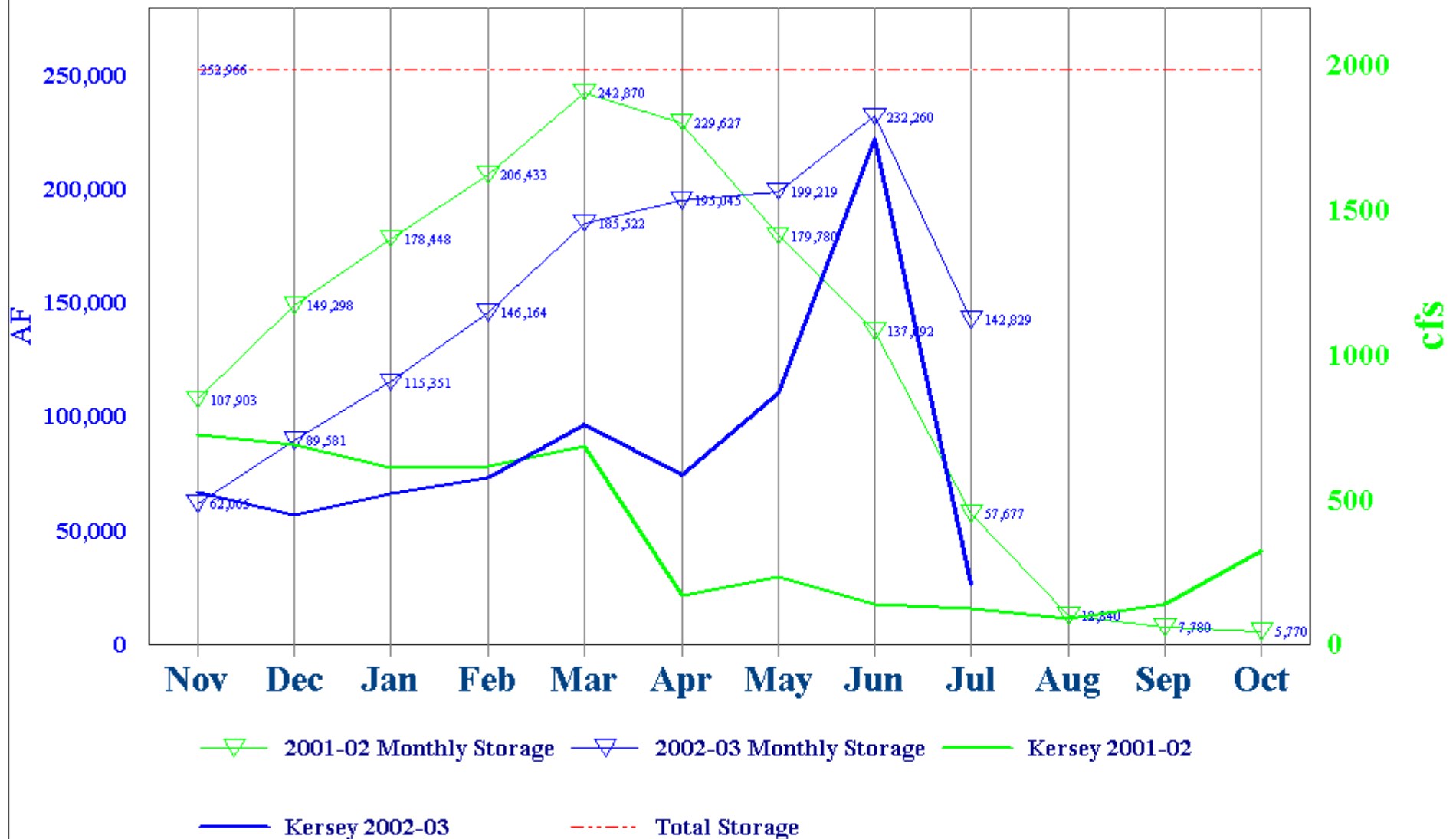
Irrigation Water Year\*



\*1902-2001

# Reservoir Storage below Kersey

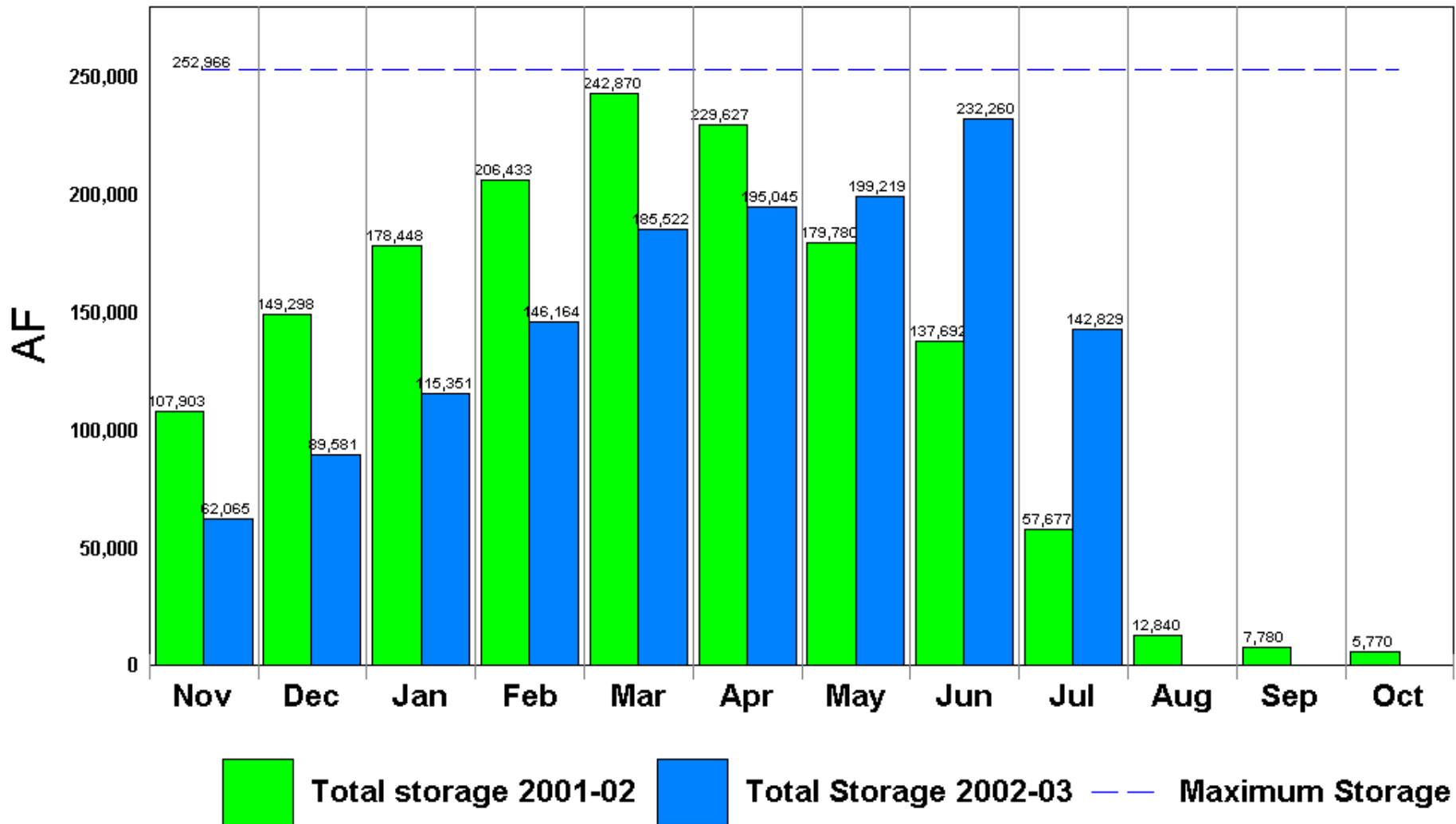
Selected Reservoirs\*



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



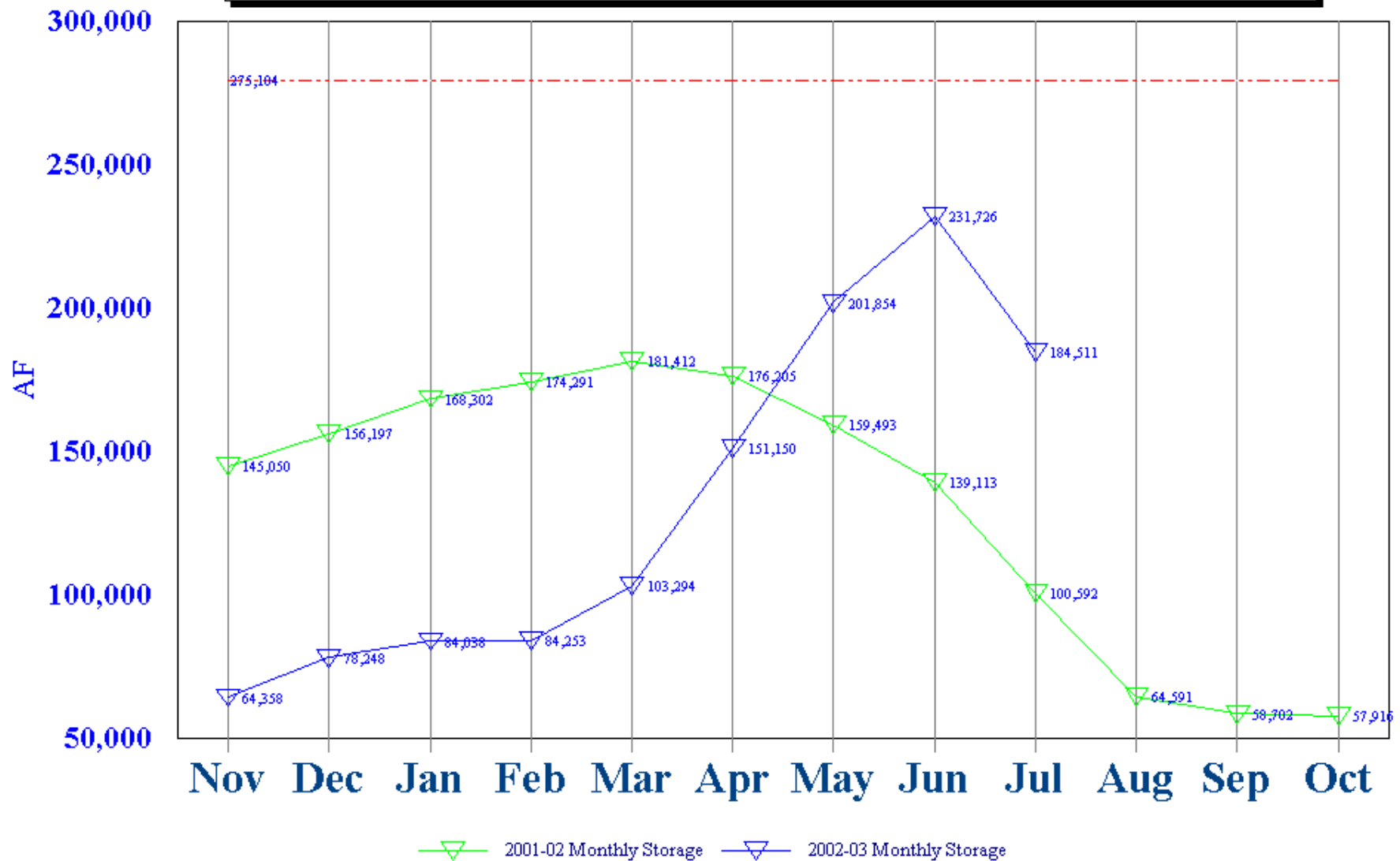
# South Platte Reservoirs Storage below Kersey\*



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

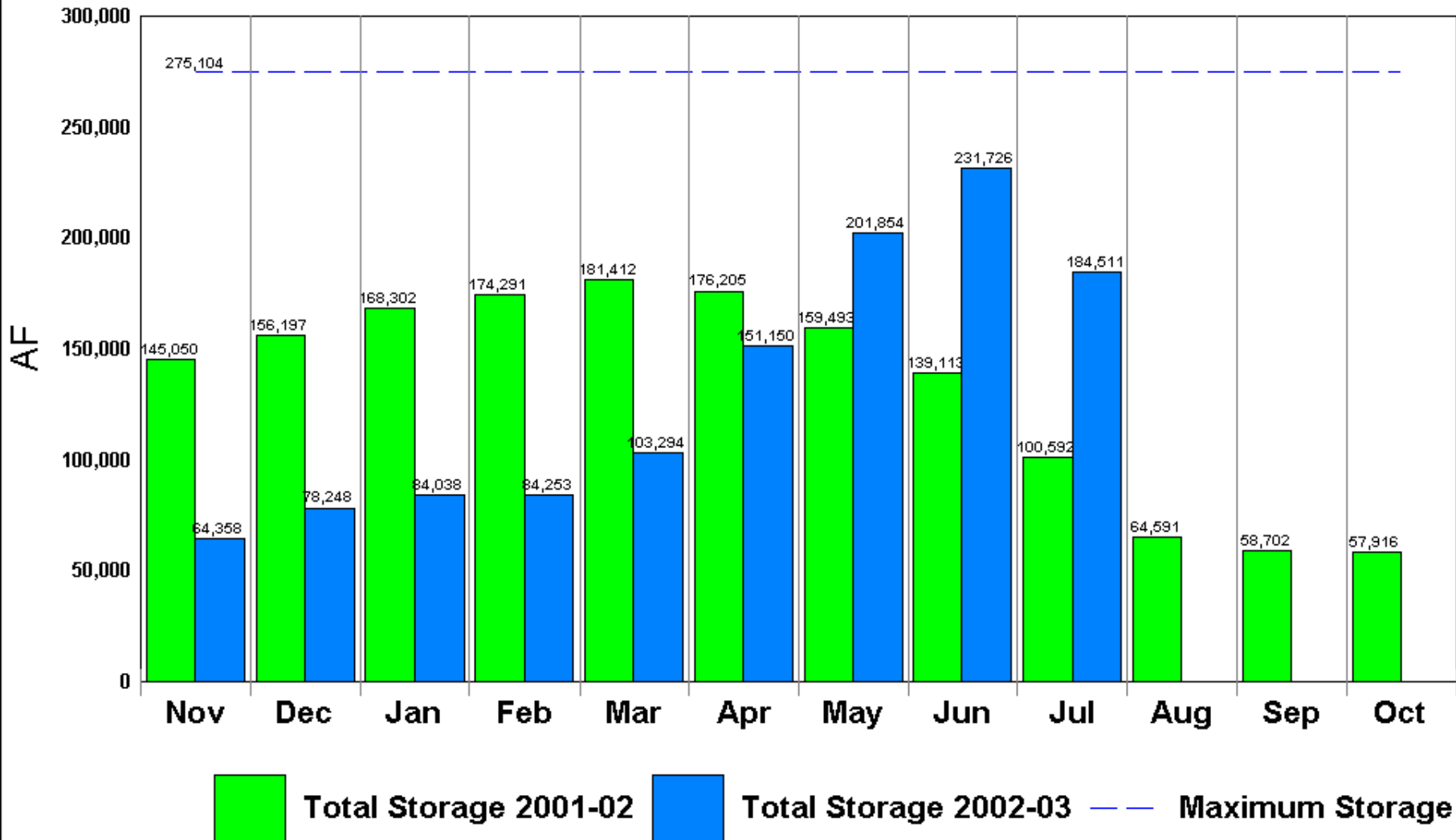
# Reservoir Storage above Kersey

## Selected Reservoirs\*



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

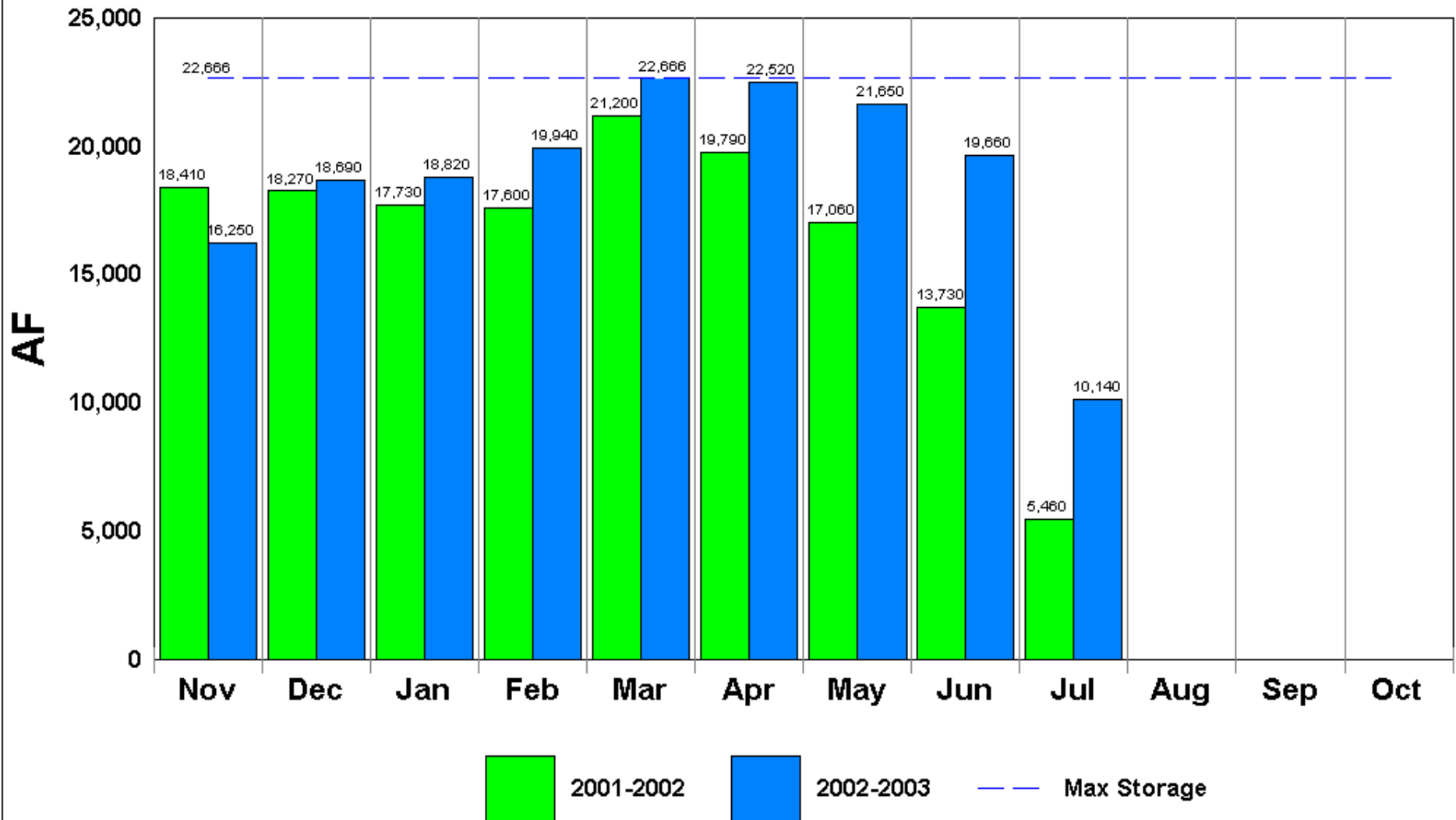
# South Platte Reservoirs Storage above Kersey\*



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

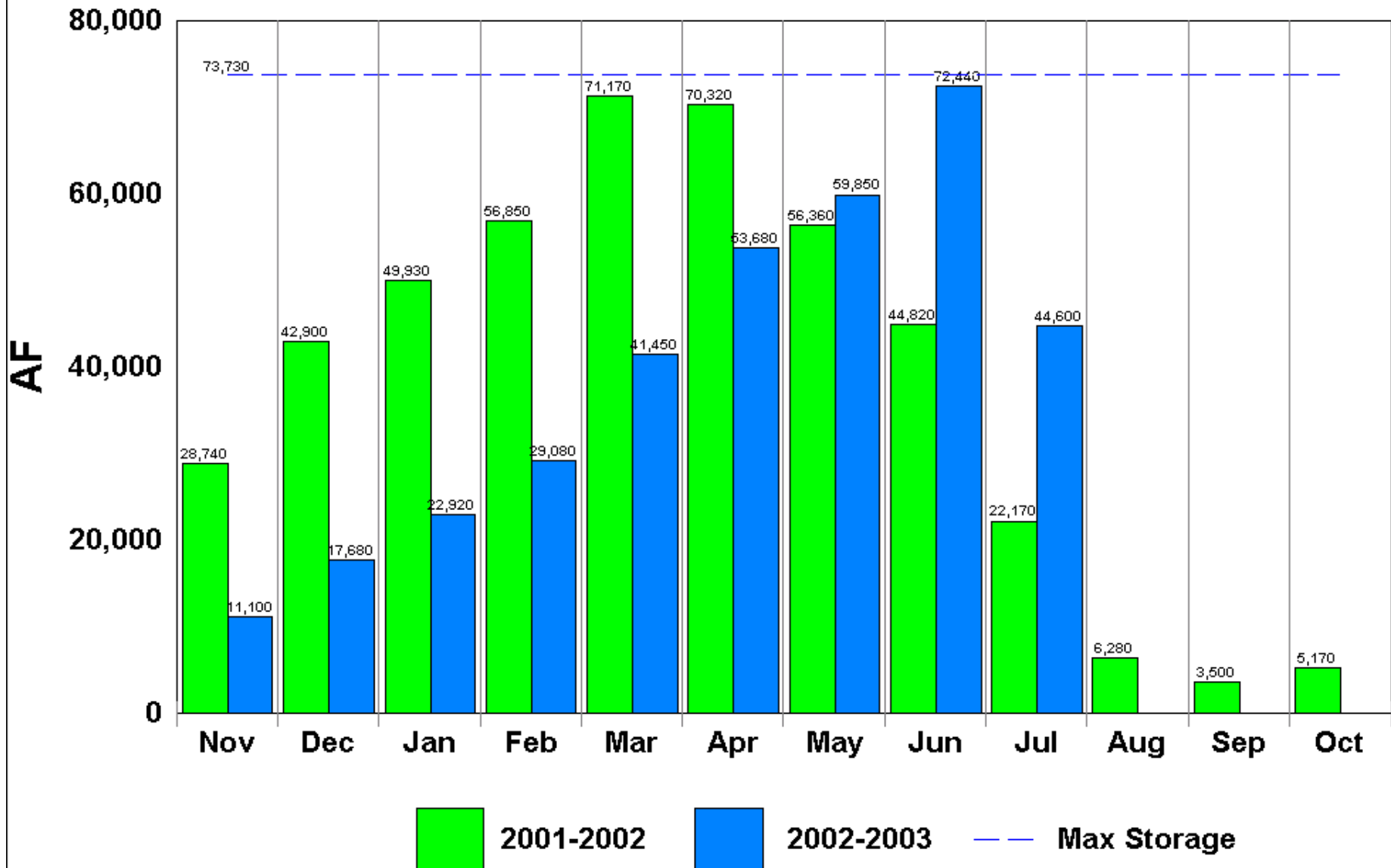
# Julesburg Reservoir

(Agricultural)



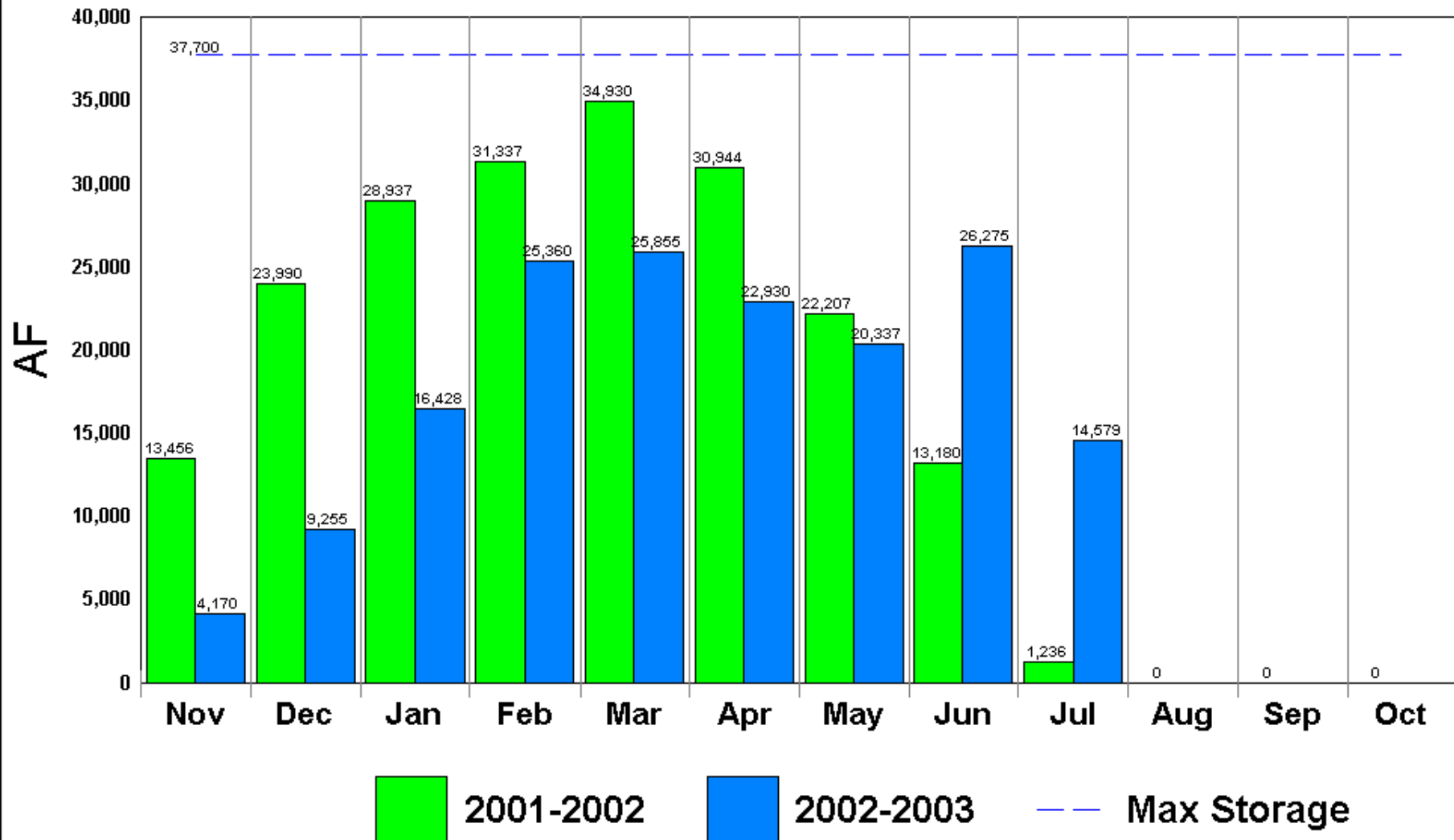
# N. Sterling Reservoir

(Agricultural)



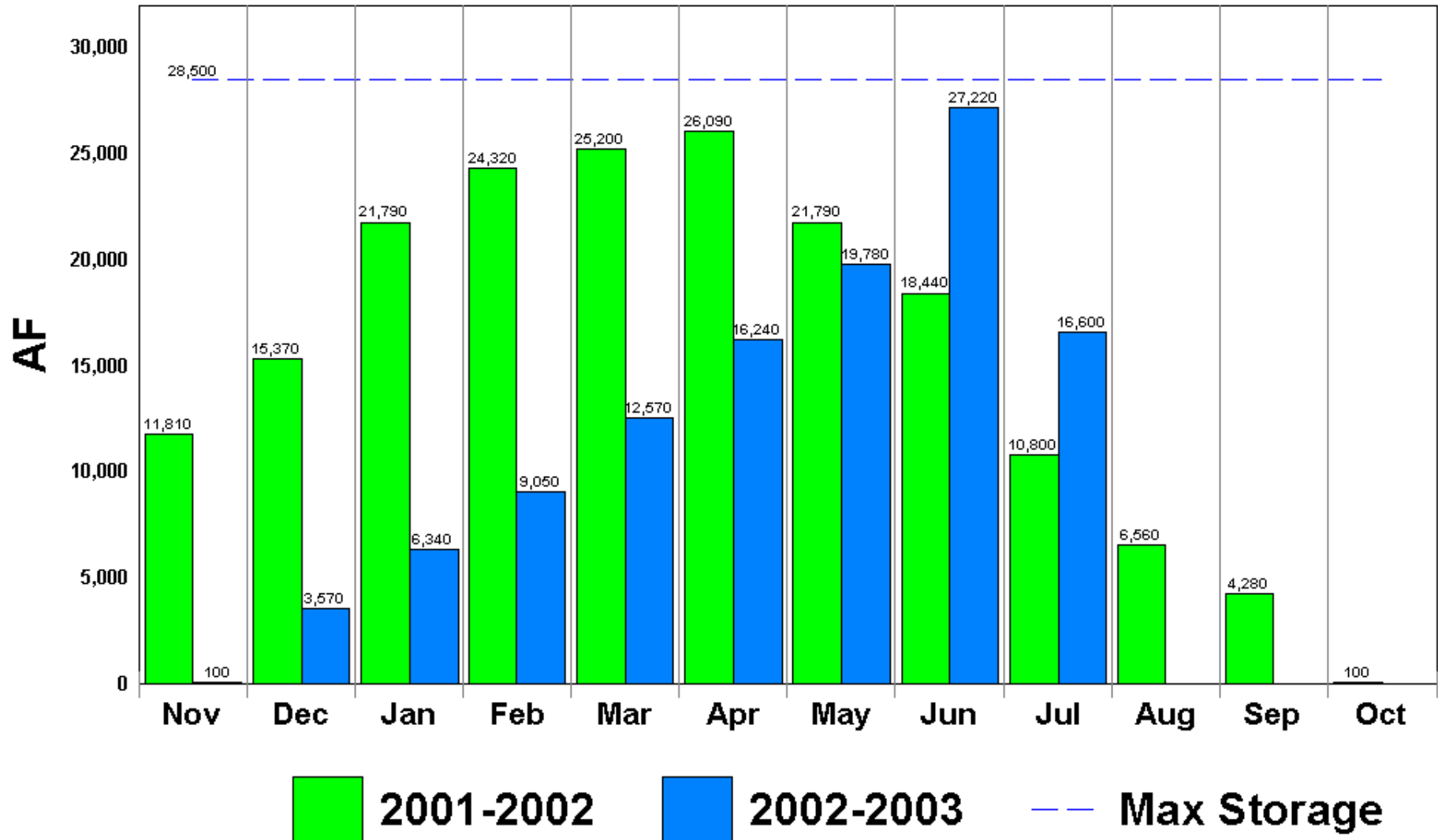
# Empire Reservoir

(Agricultural)



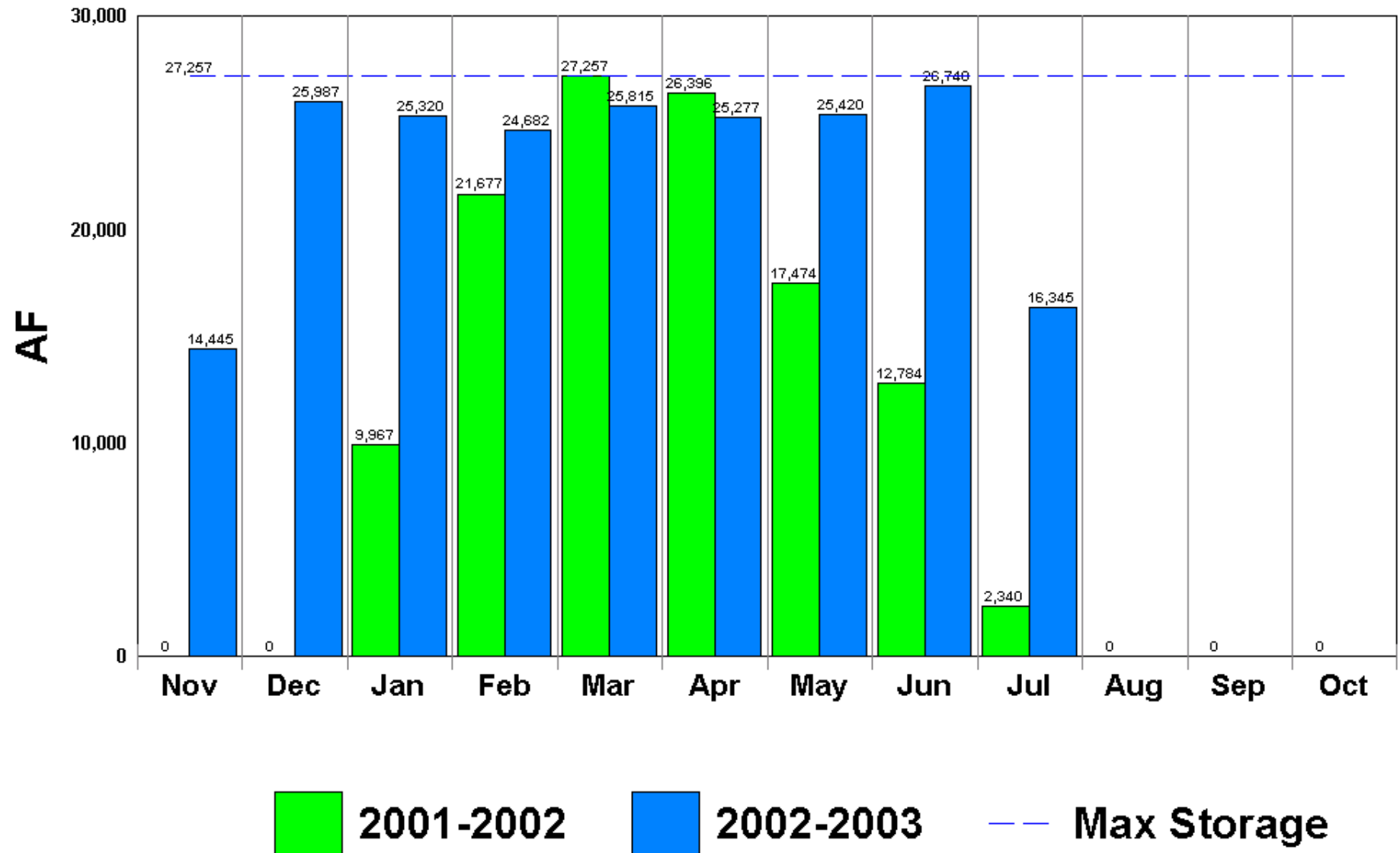
# Prewitt Reservoir

(Agricultural)



# Jackson Reservoir

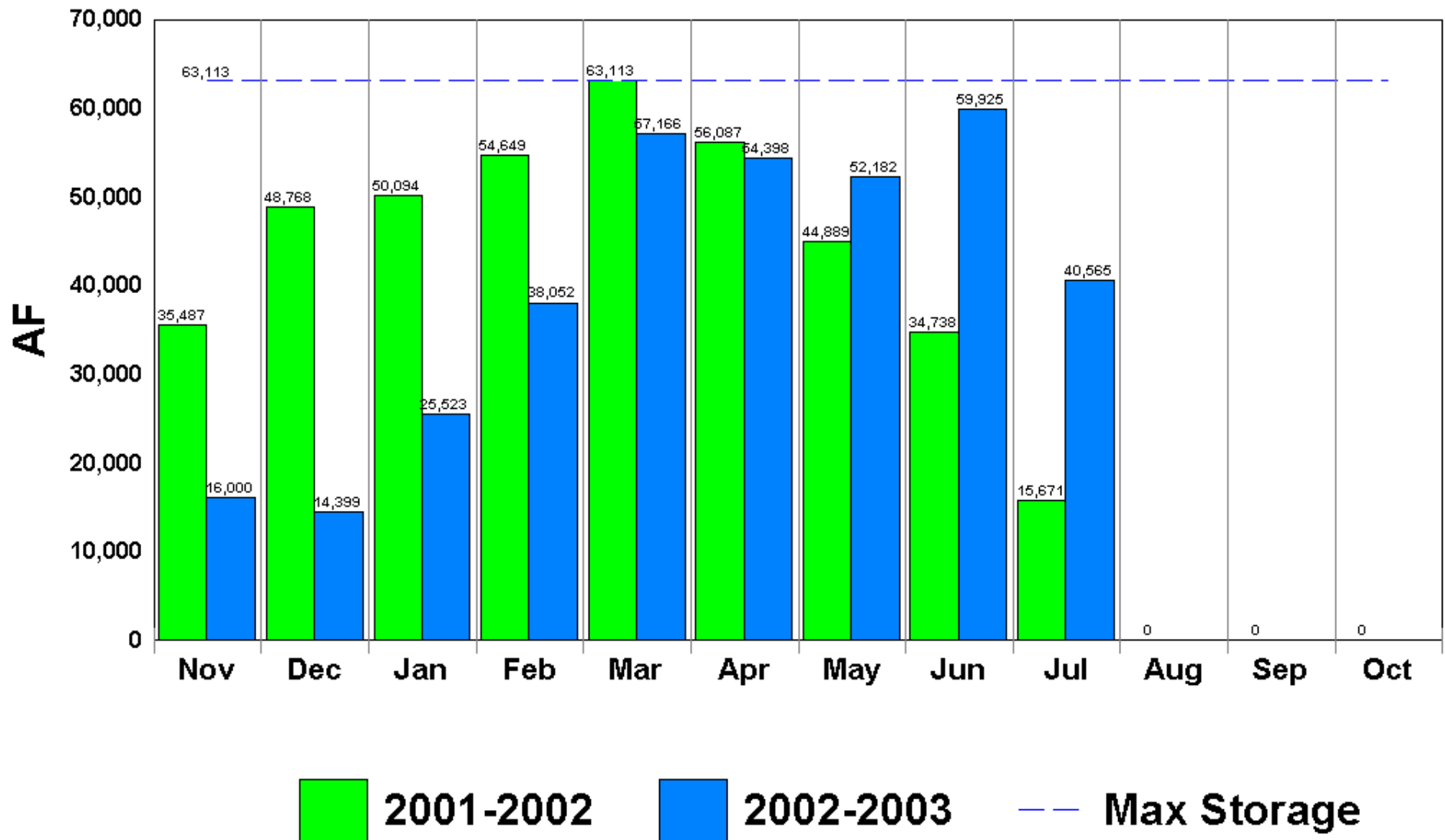
(Agricultural)





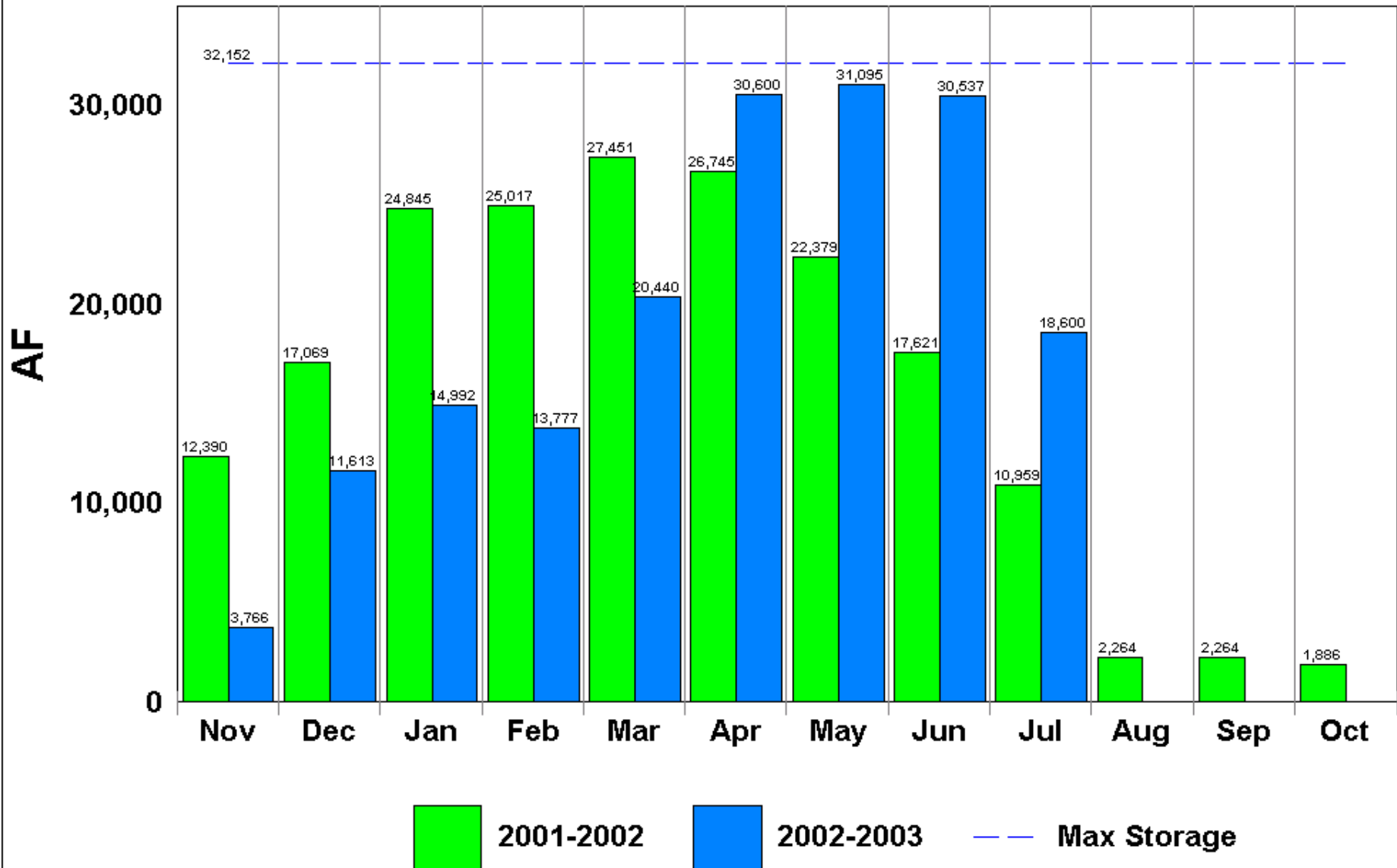
# Riverside Reservoir

(Agricultural)



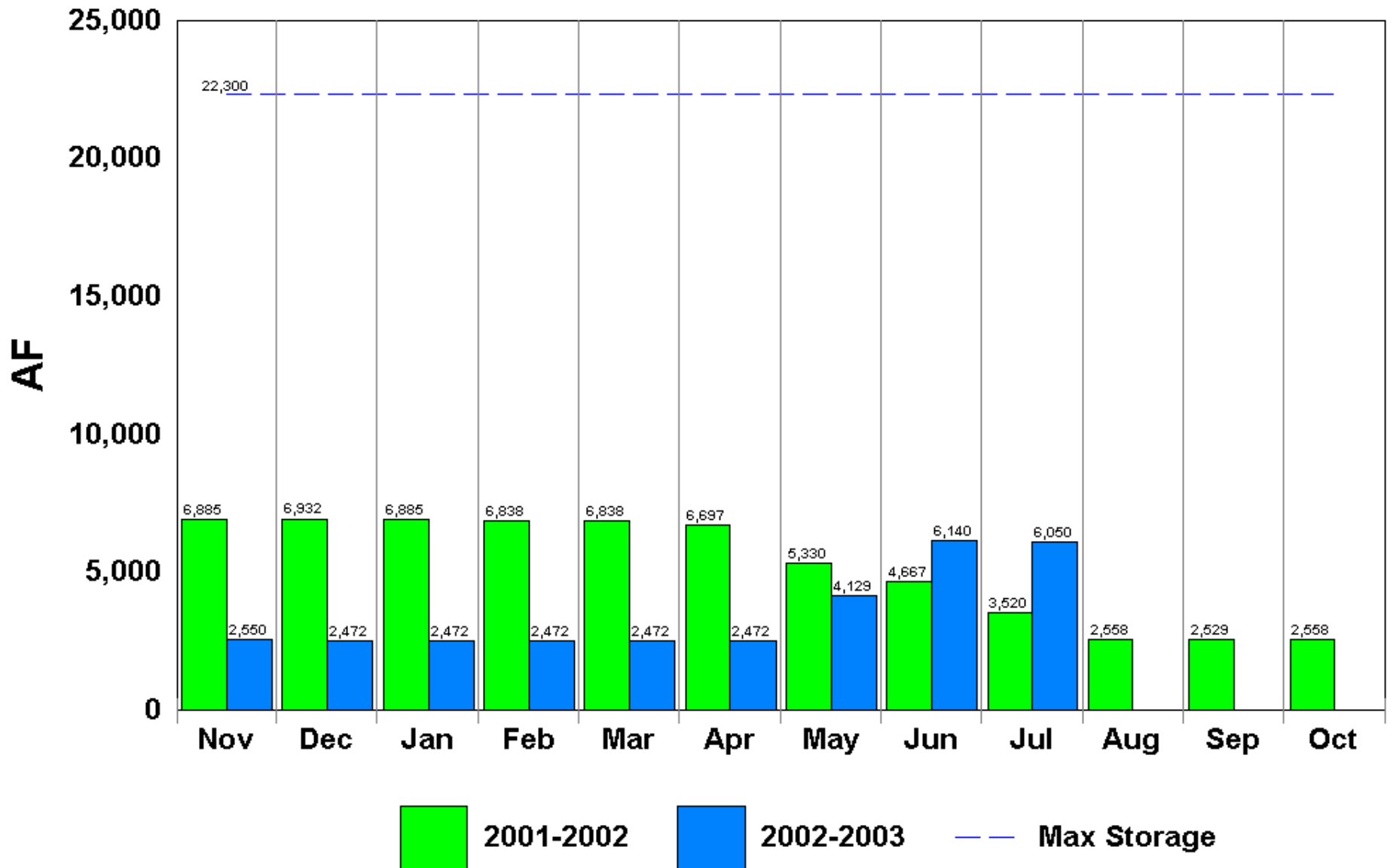
# Barr Lake

(Agricultural)



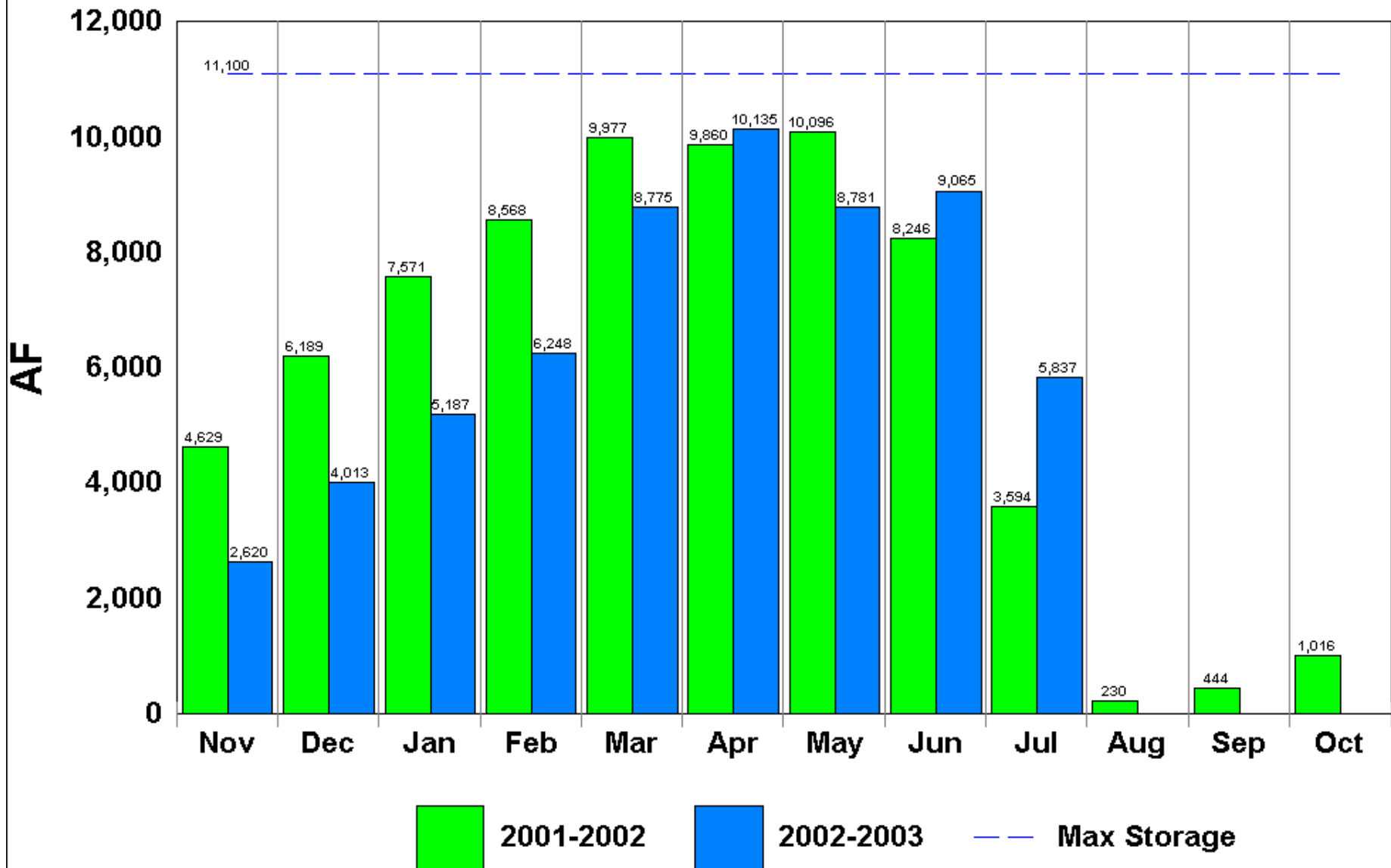
# Cobb Lake

(Agricultural)



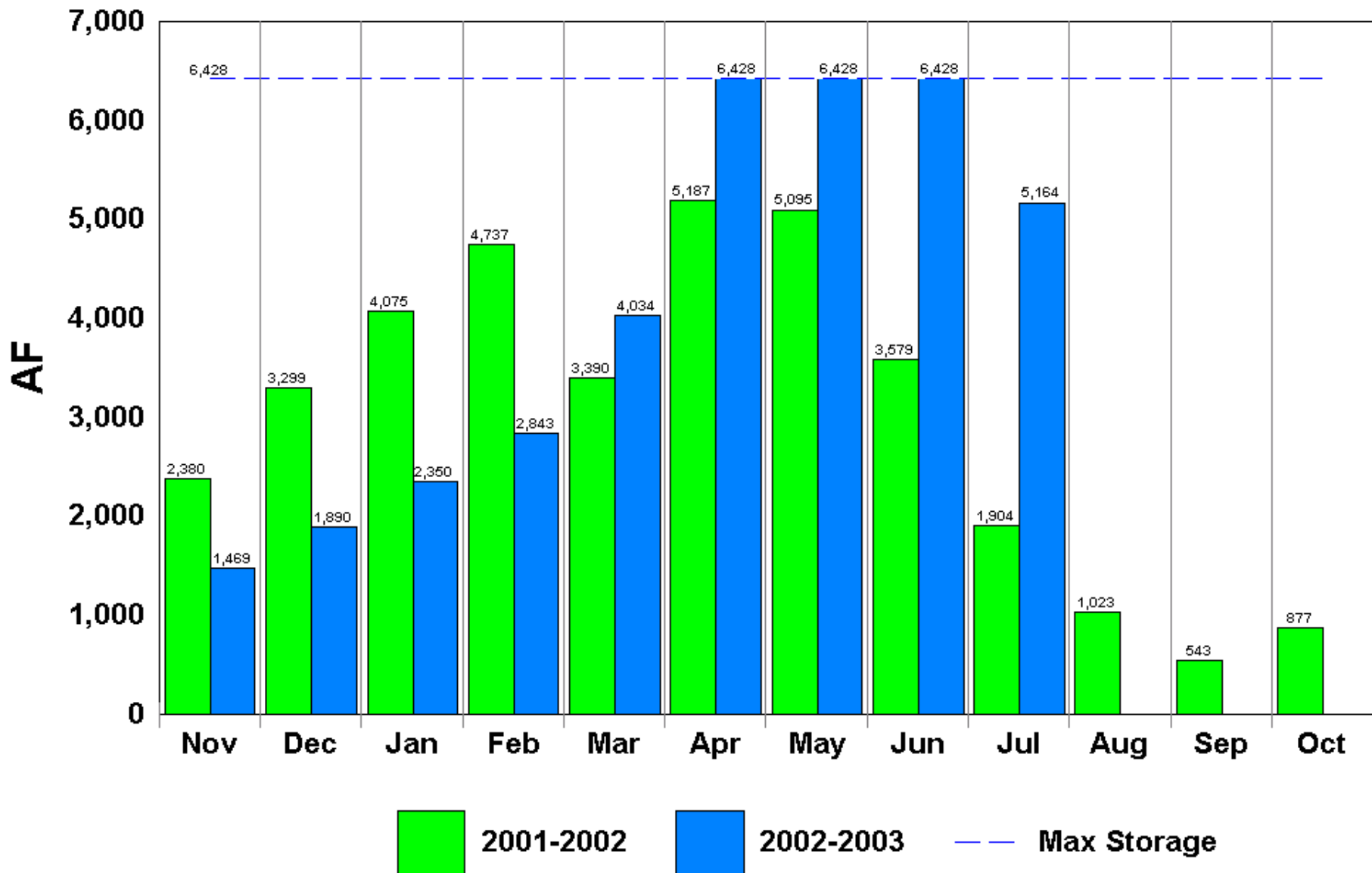
# Fossil Creek Reservoir

(Agricultural)



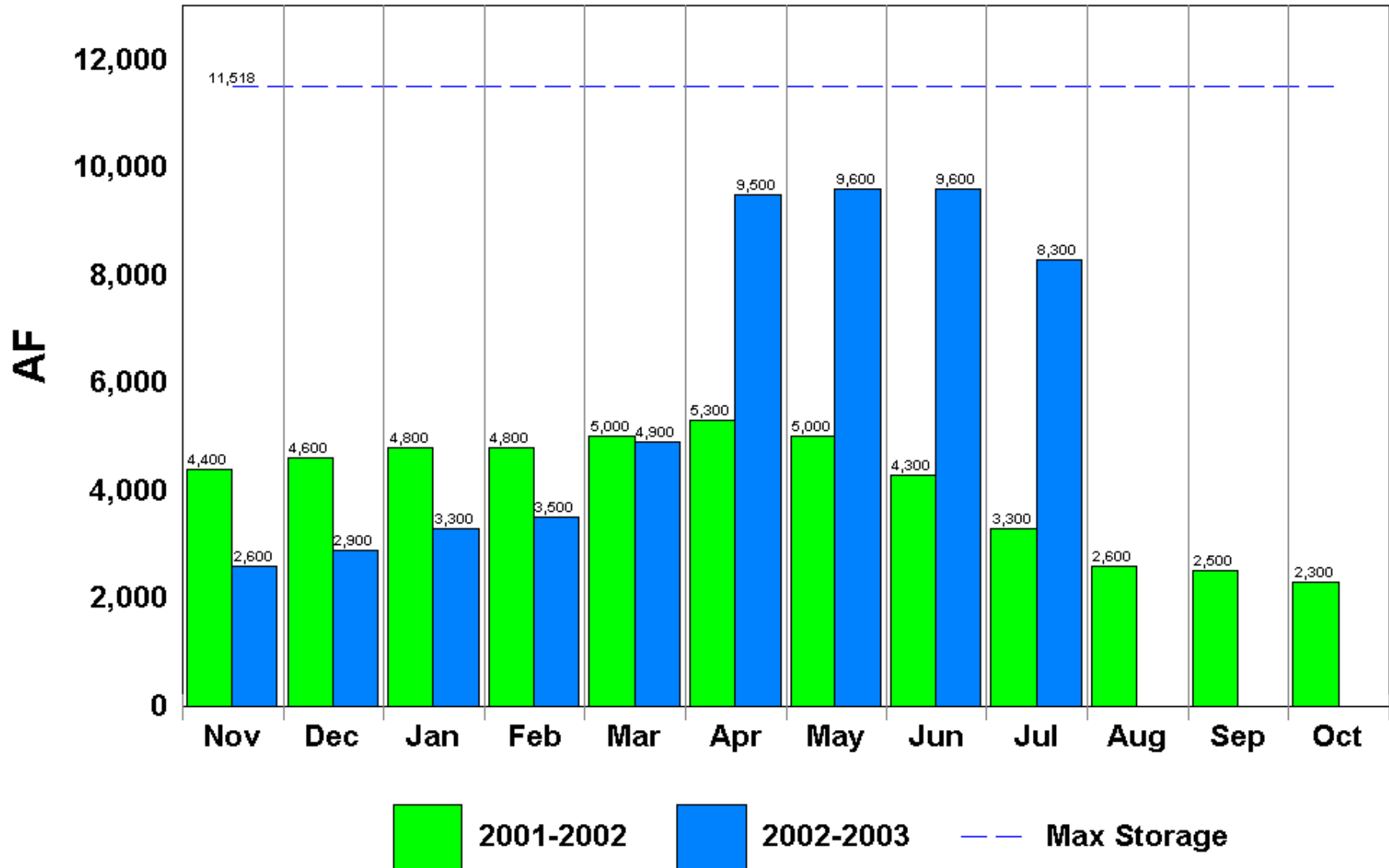
# Halligan Reservoir

(Agricultural)



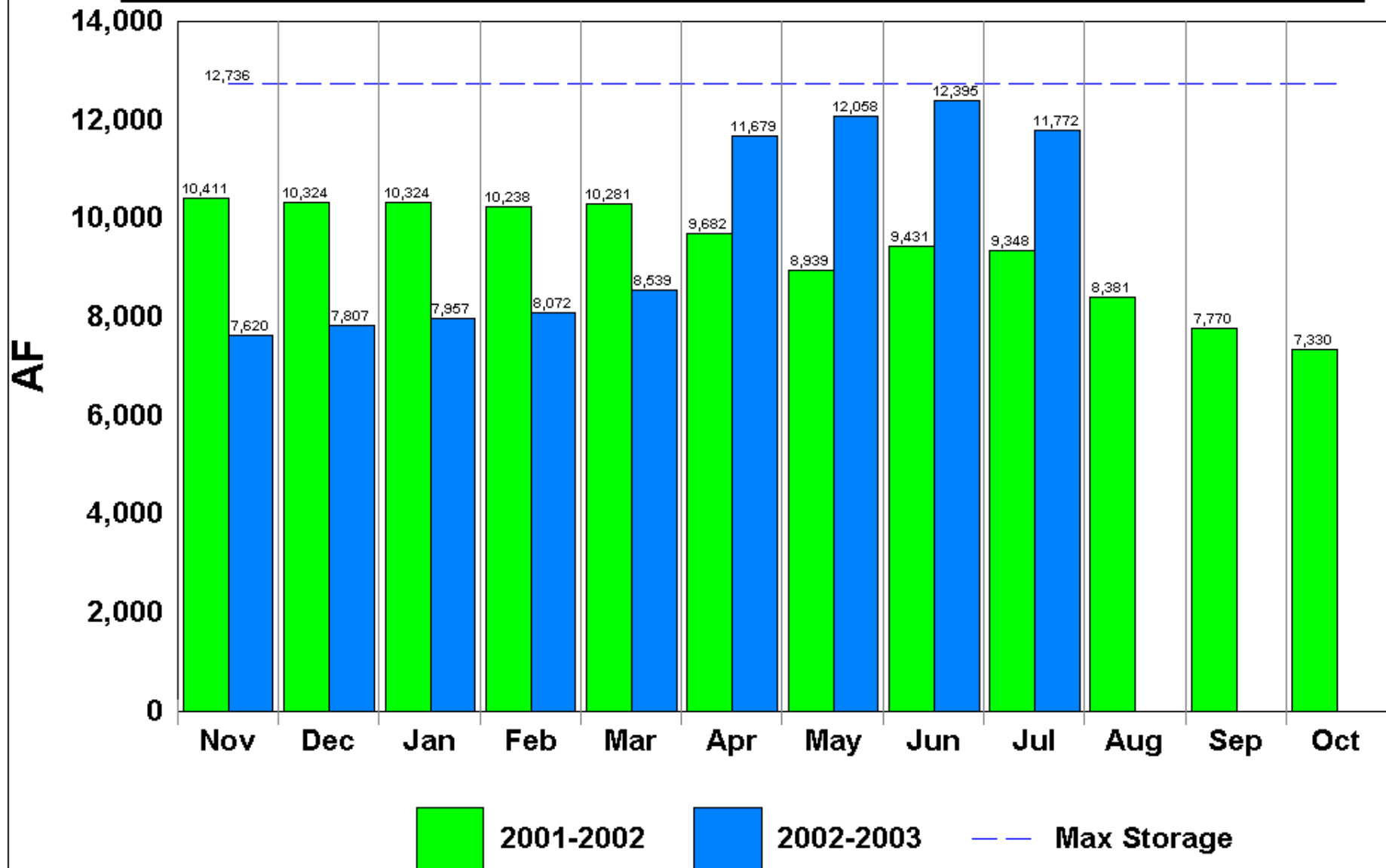
# Marshall Lake

(Agricultural)



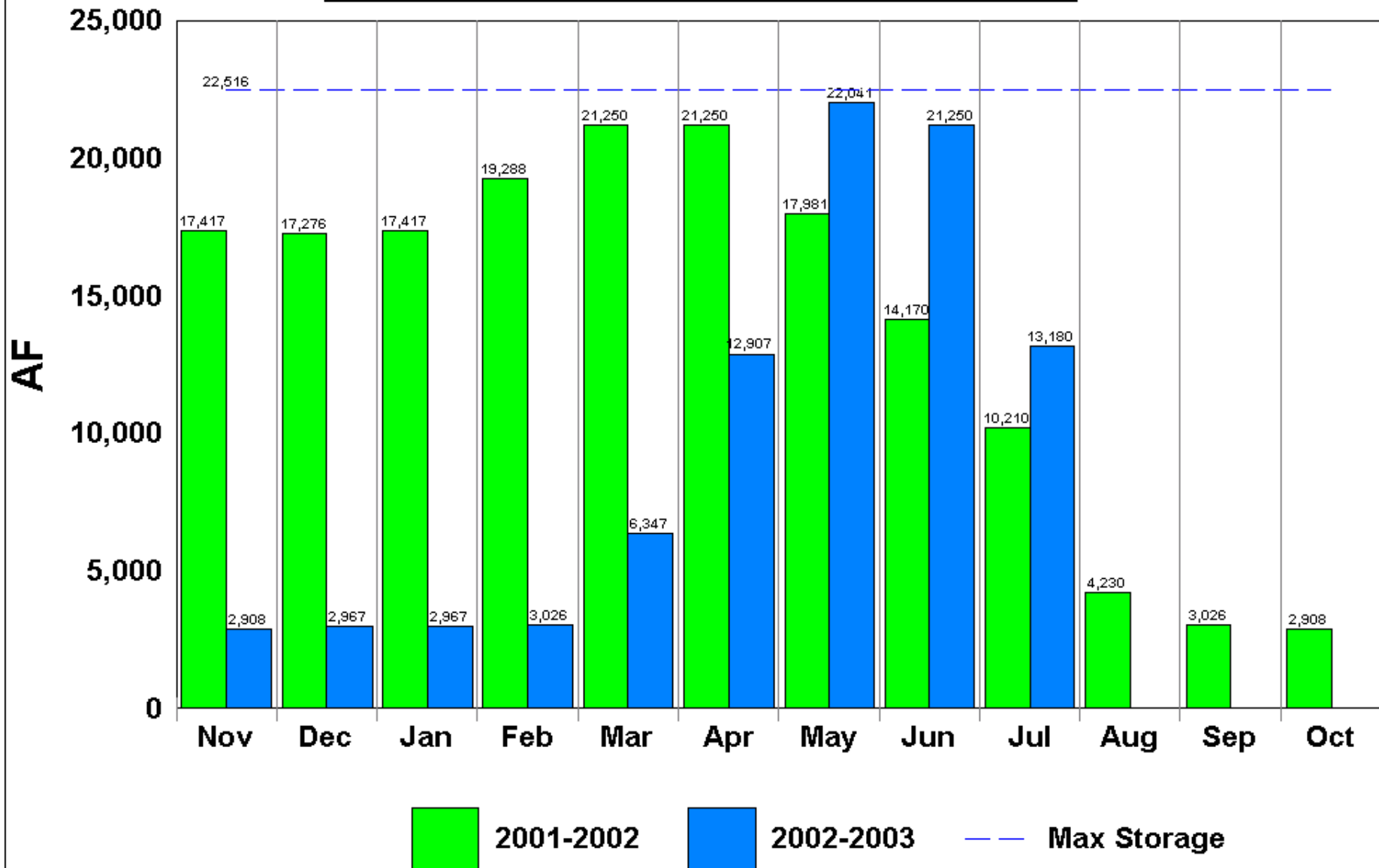
# Loveland Greeley Reservoir

(Agricultural)



# Milton Reservoir

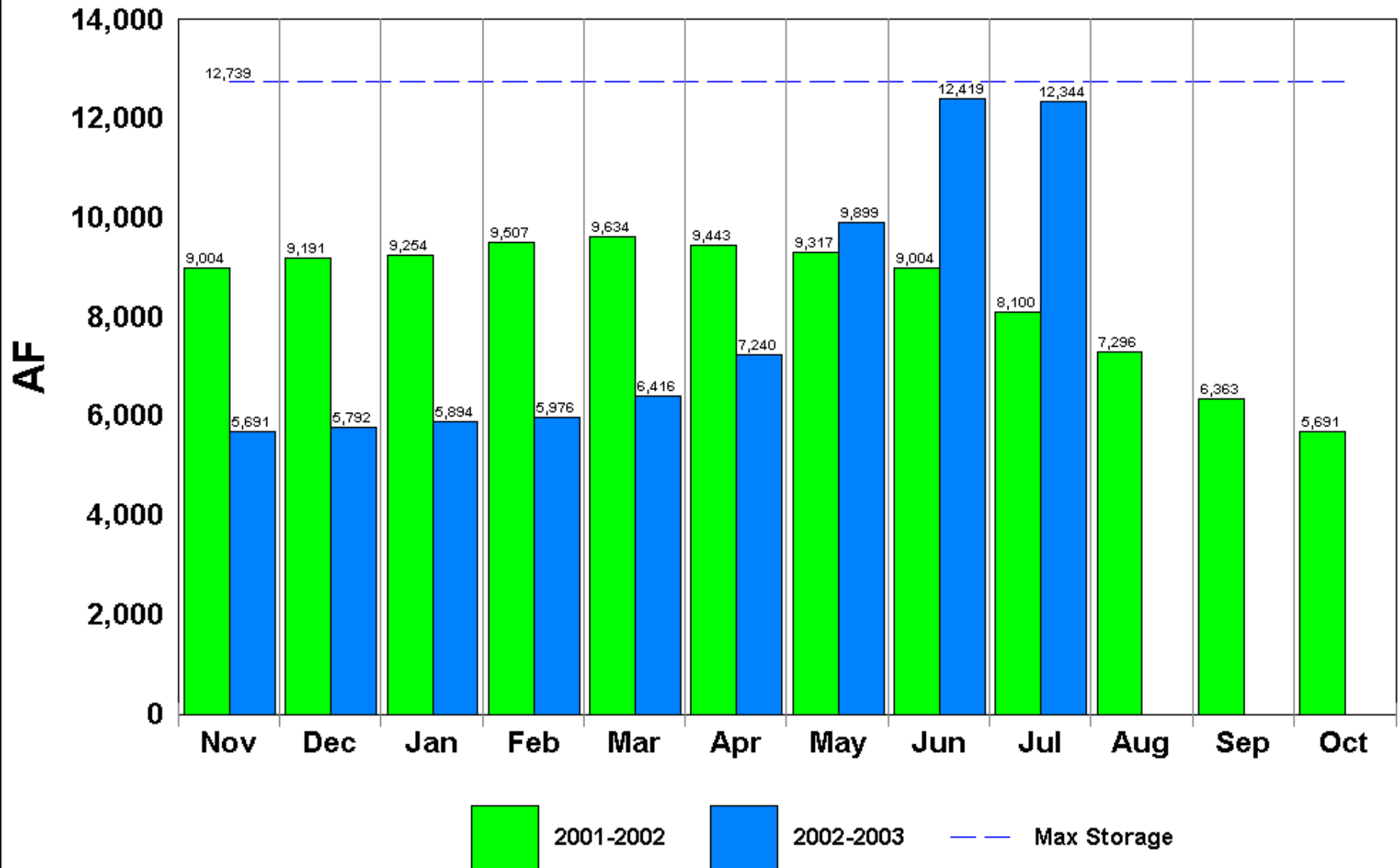
(Agricultural)





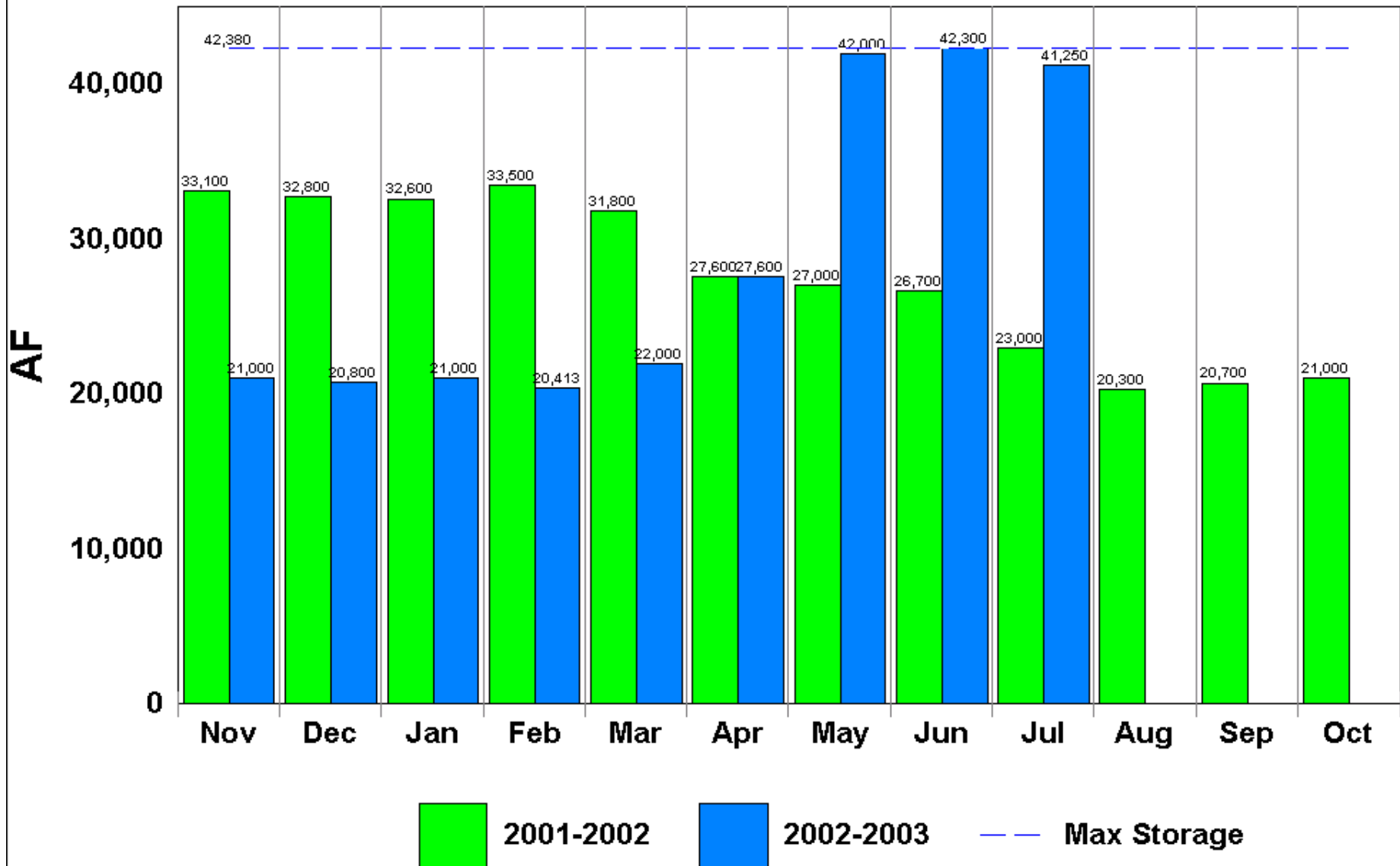
# Union Reservoir

(Agricultural)



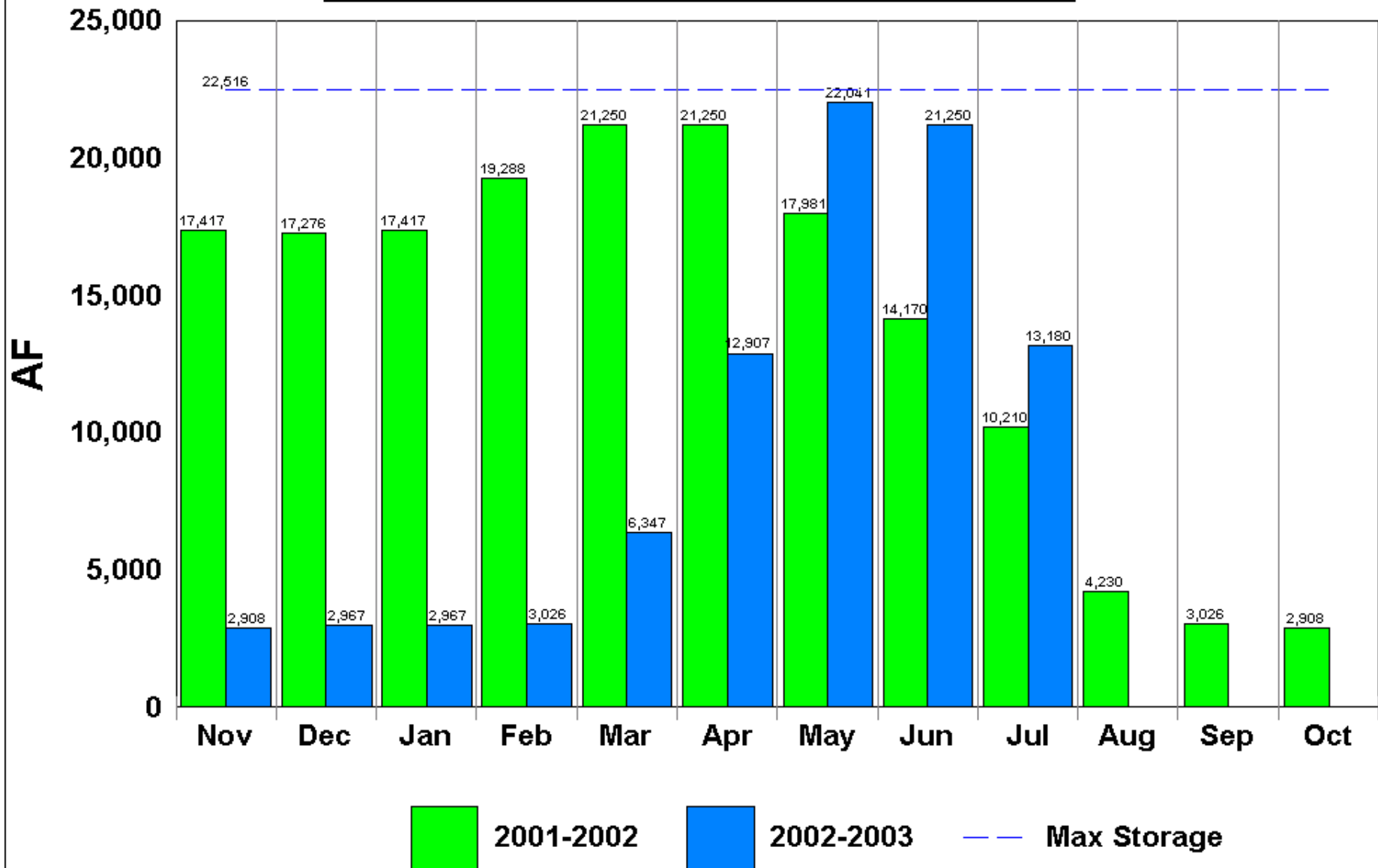
# Standley Lake

(Agricultural)



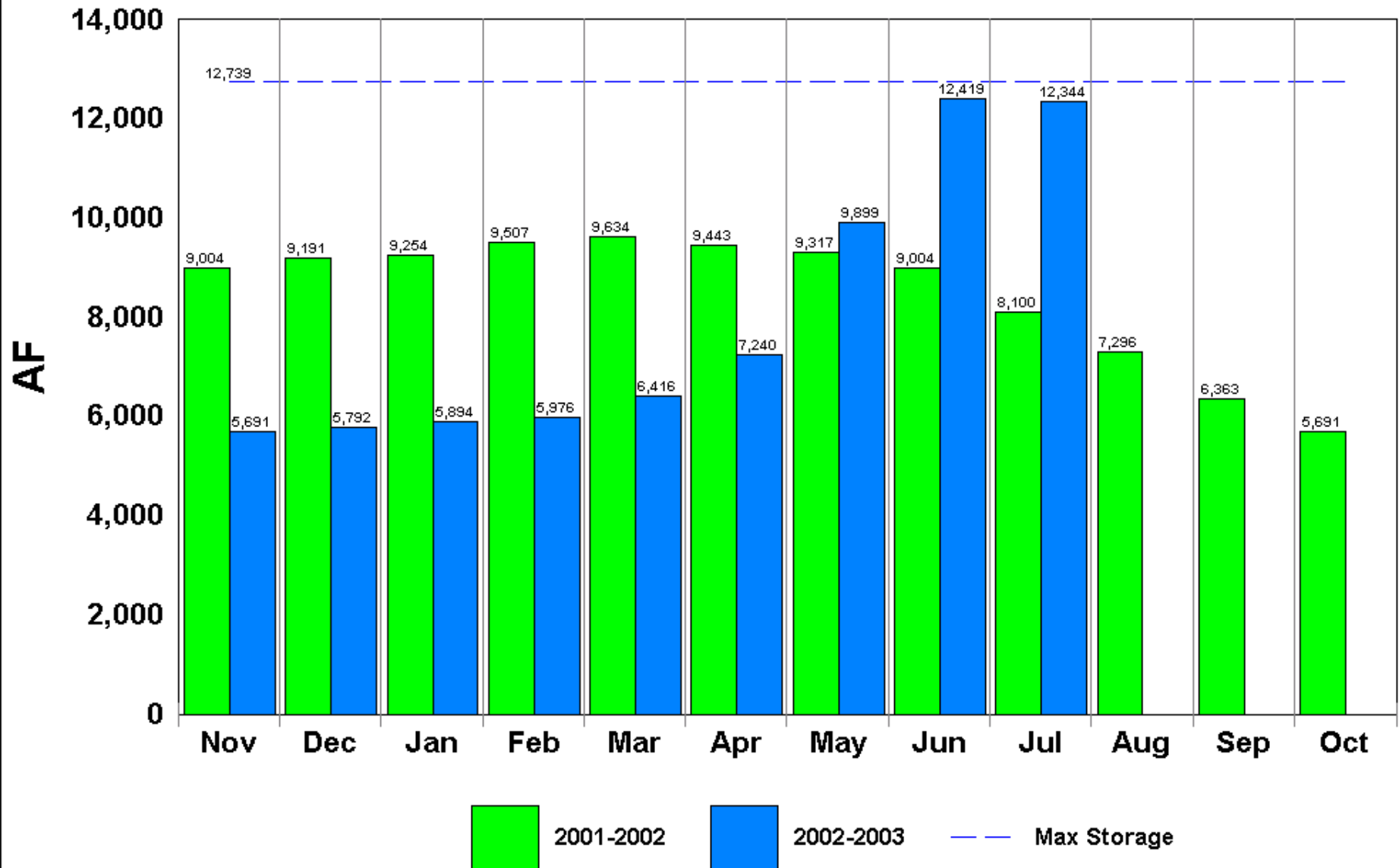
# Milton Reservoir

(Agricultural)



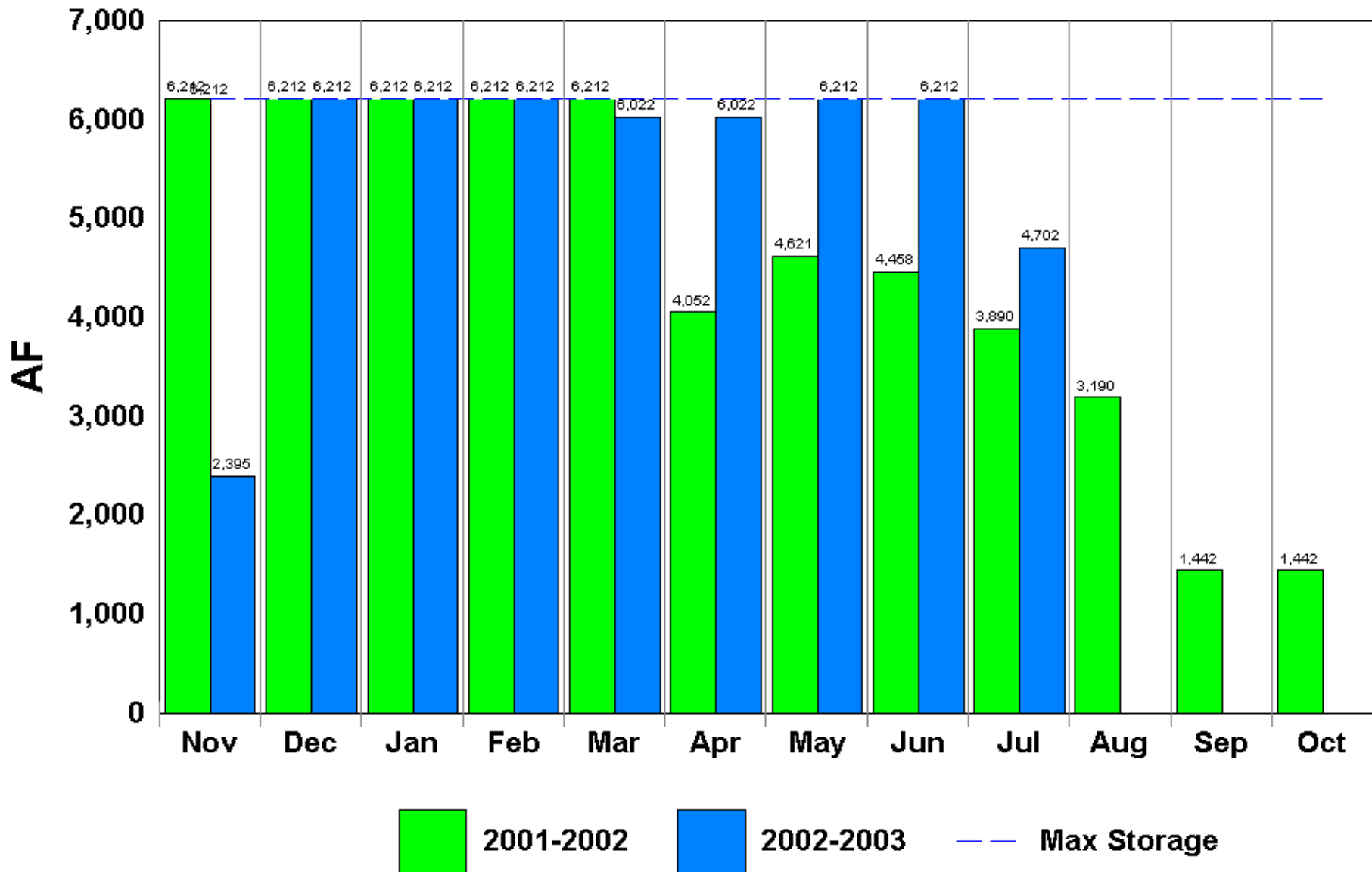
# Union Reservoir

(Agricultural)



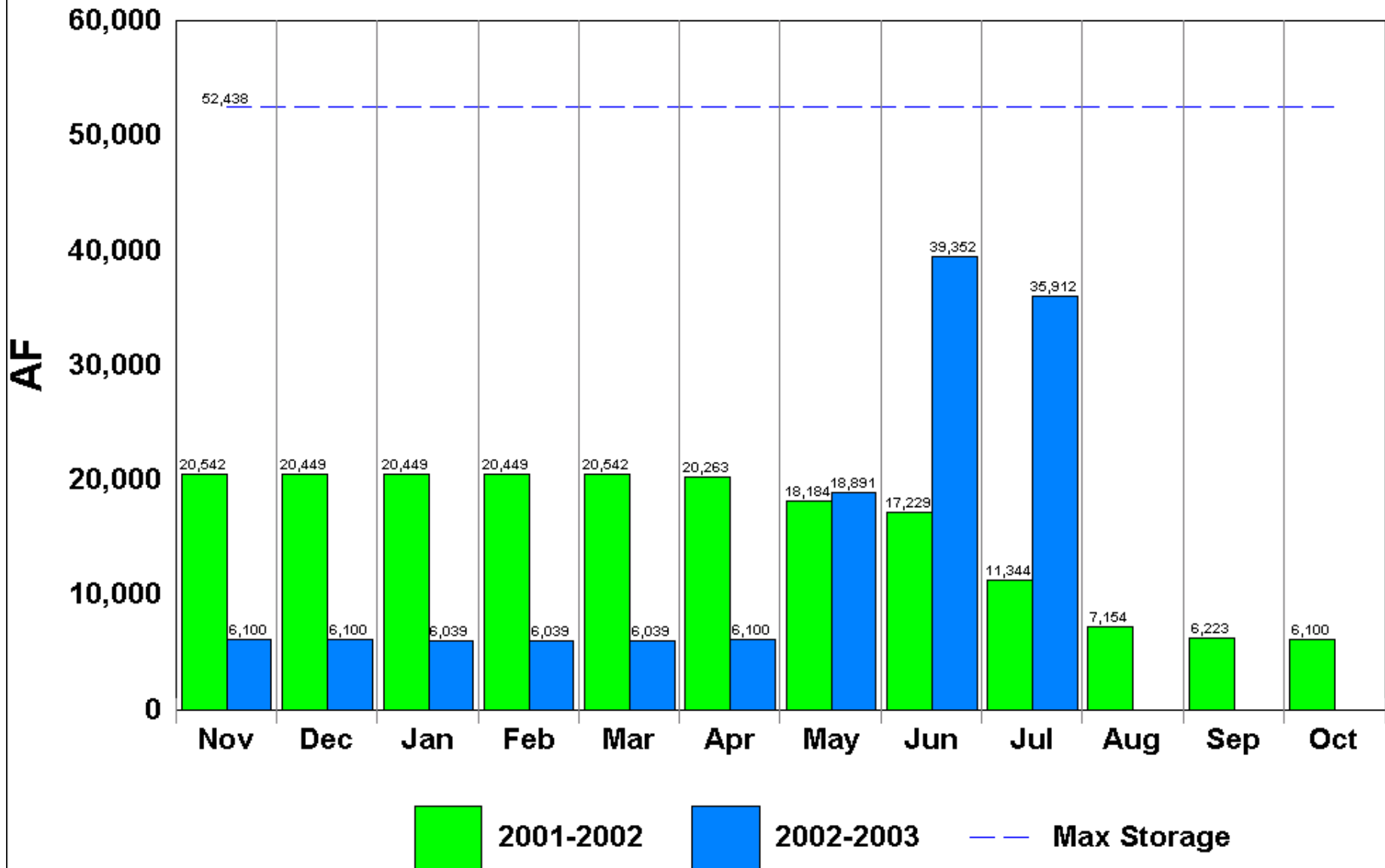
# Lower Latham Reservoir

(Agricultural)



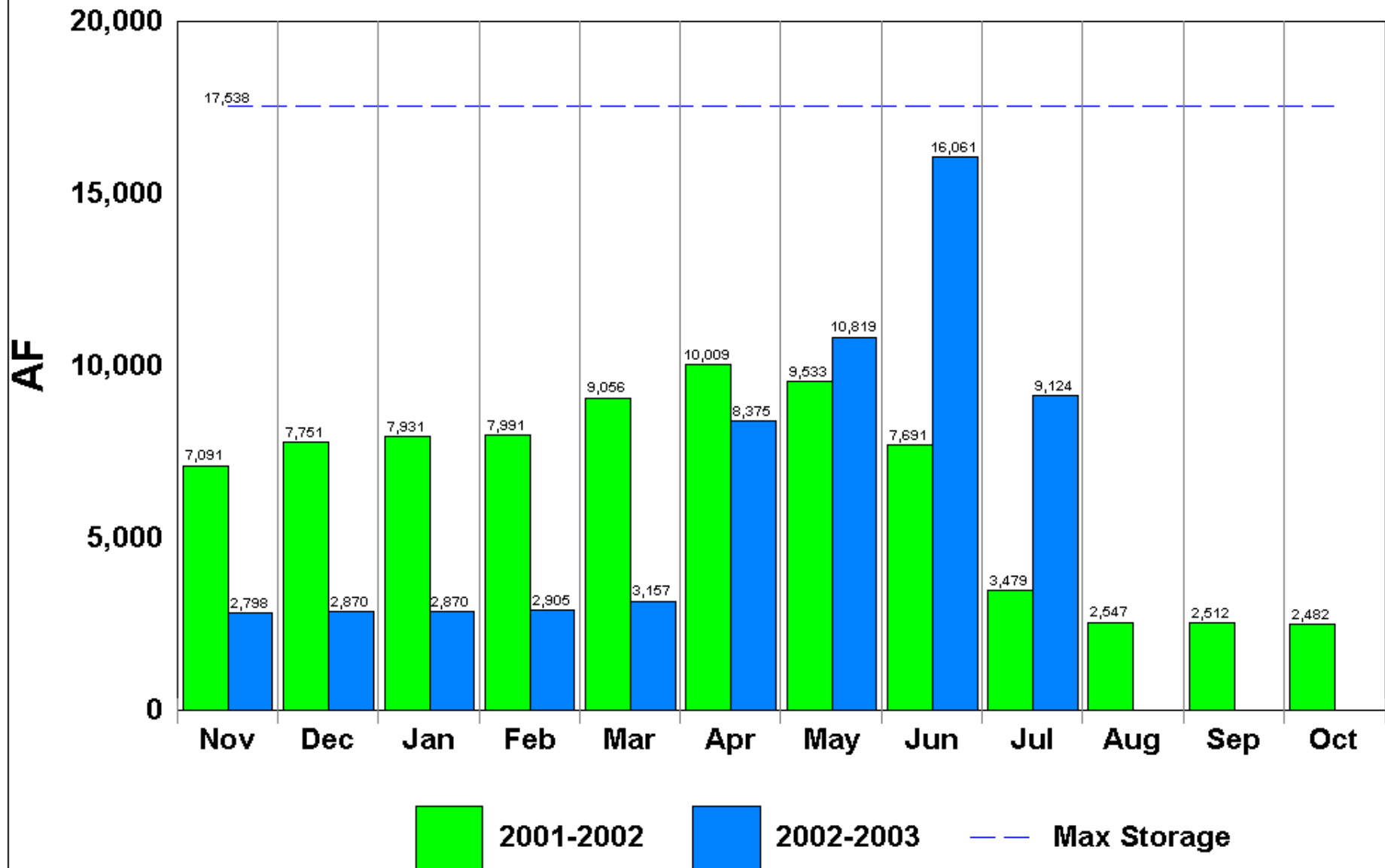
# Boyd Lake

(Agricultural)



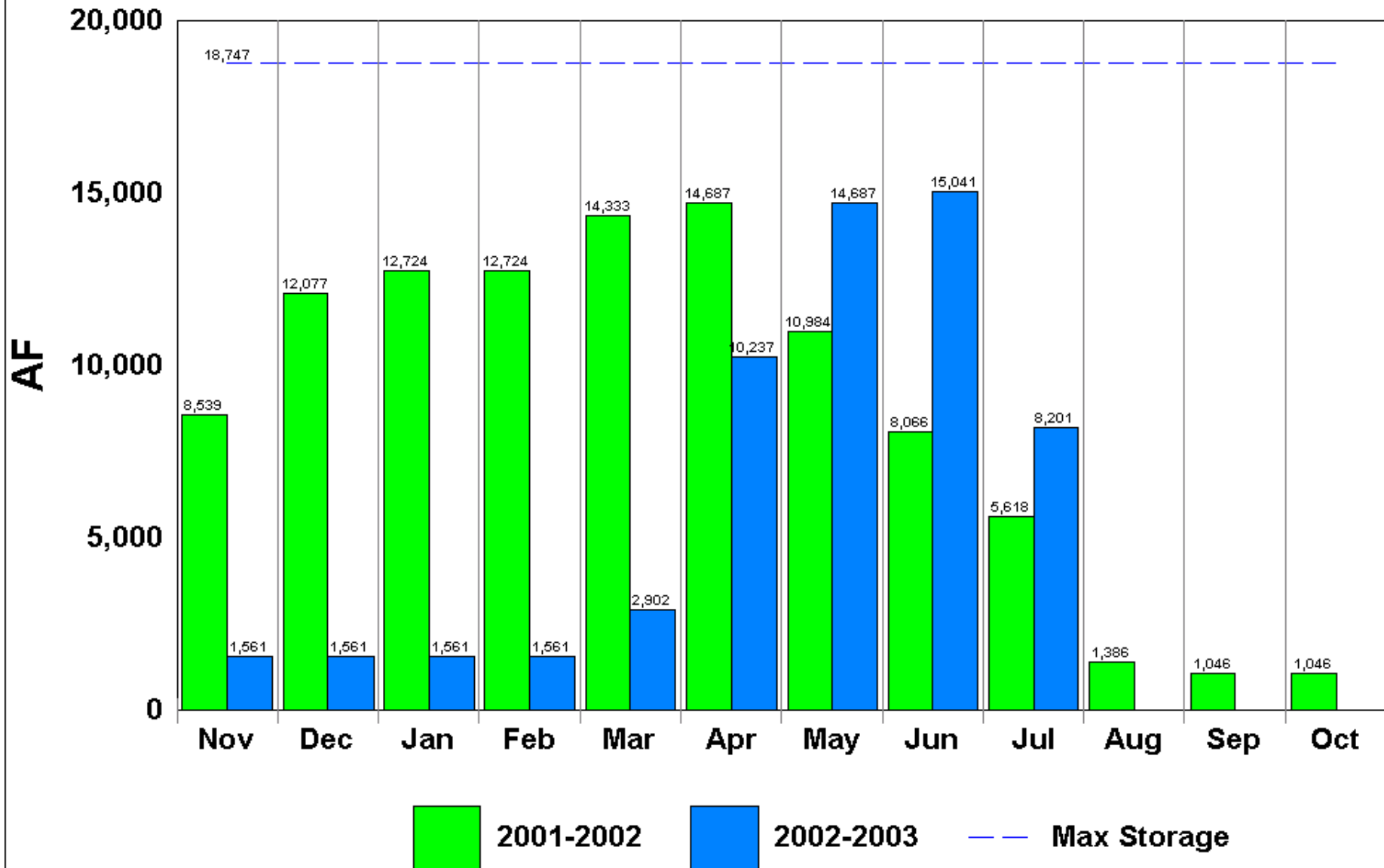
# Windsor Reservoir

(Agricultural)



# Horse Creek Reservoir

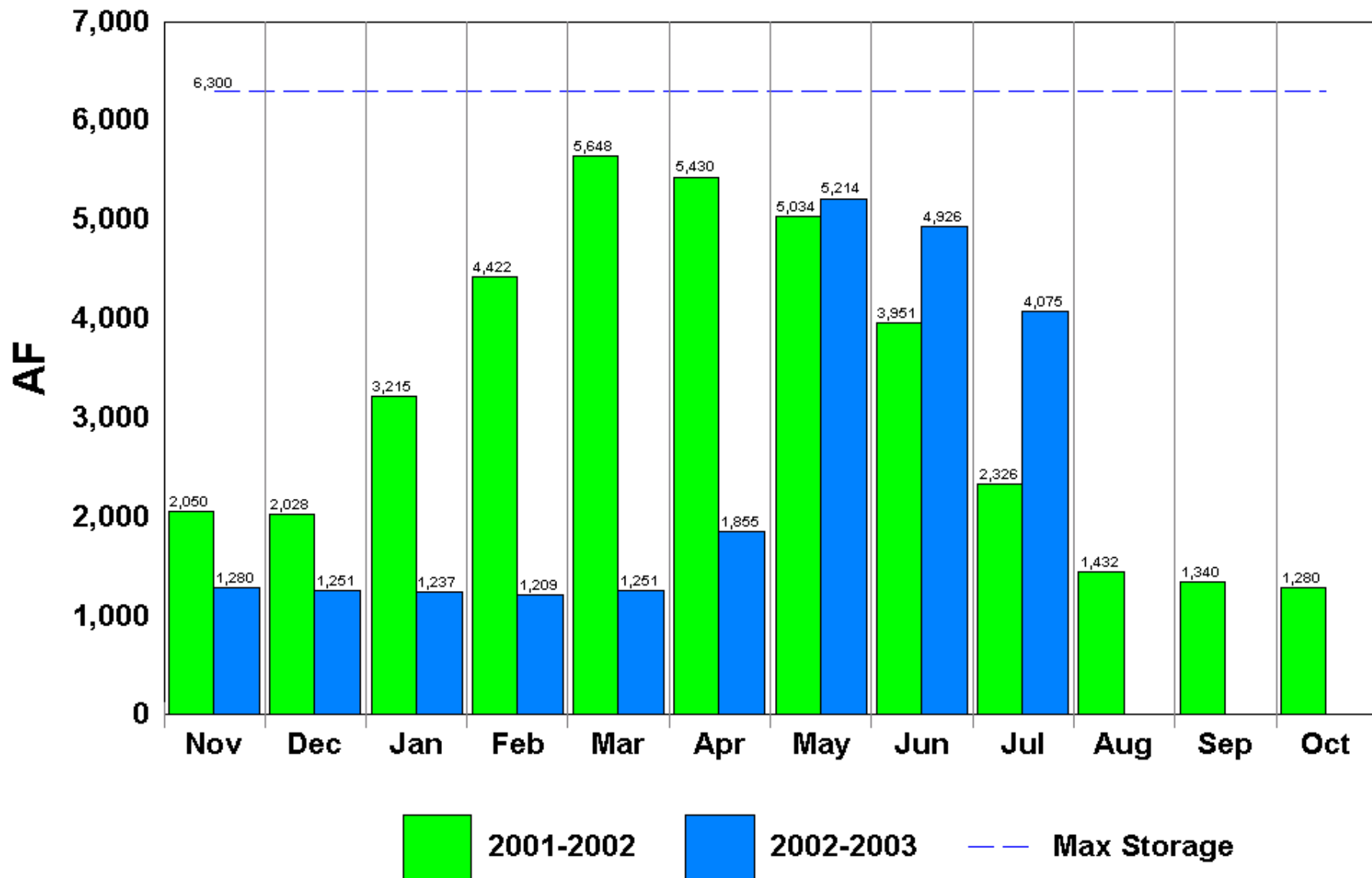
(Agricultural)





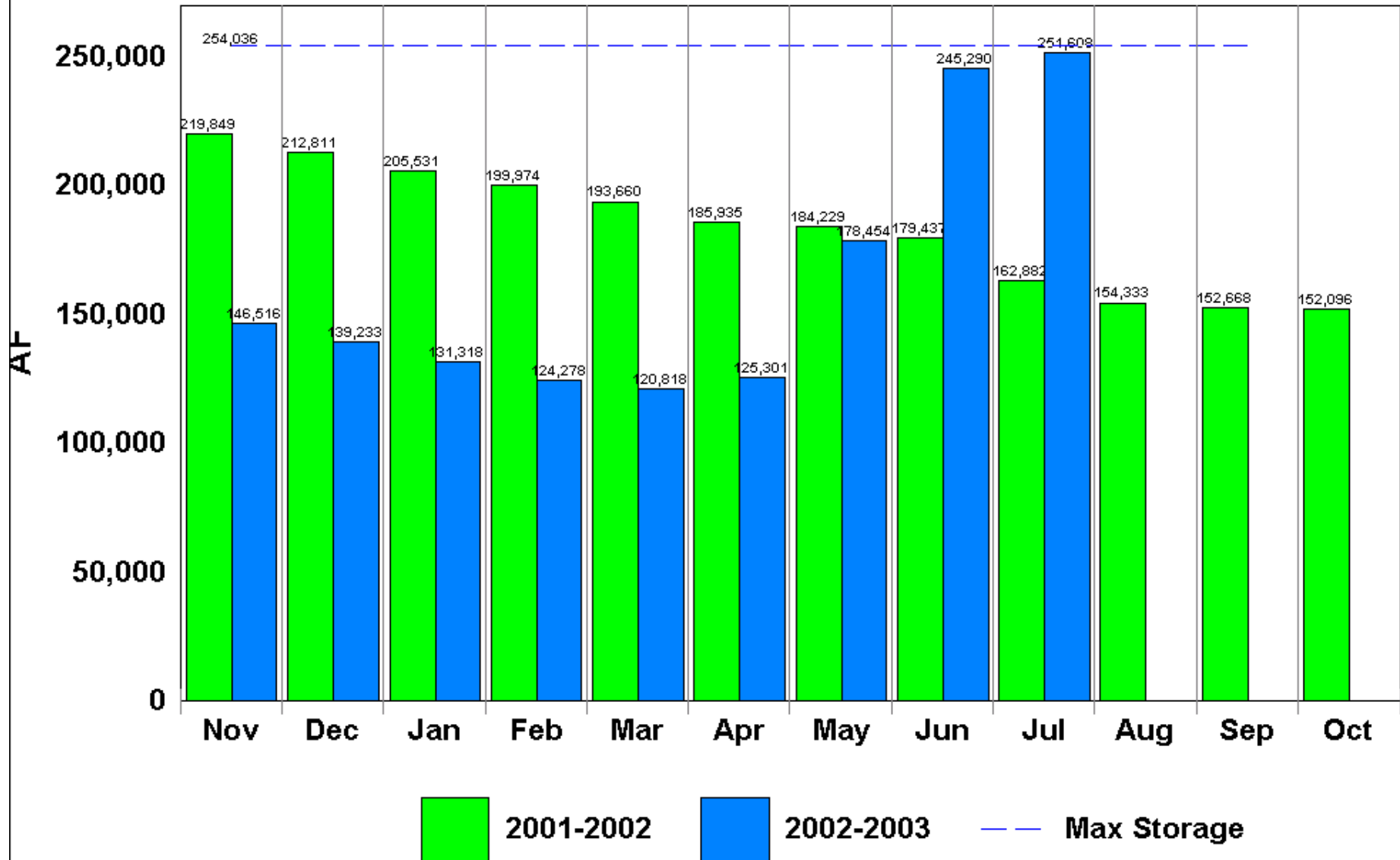
# Prospect Reservoir

(Agricultural)



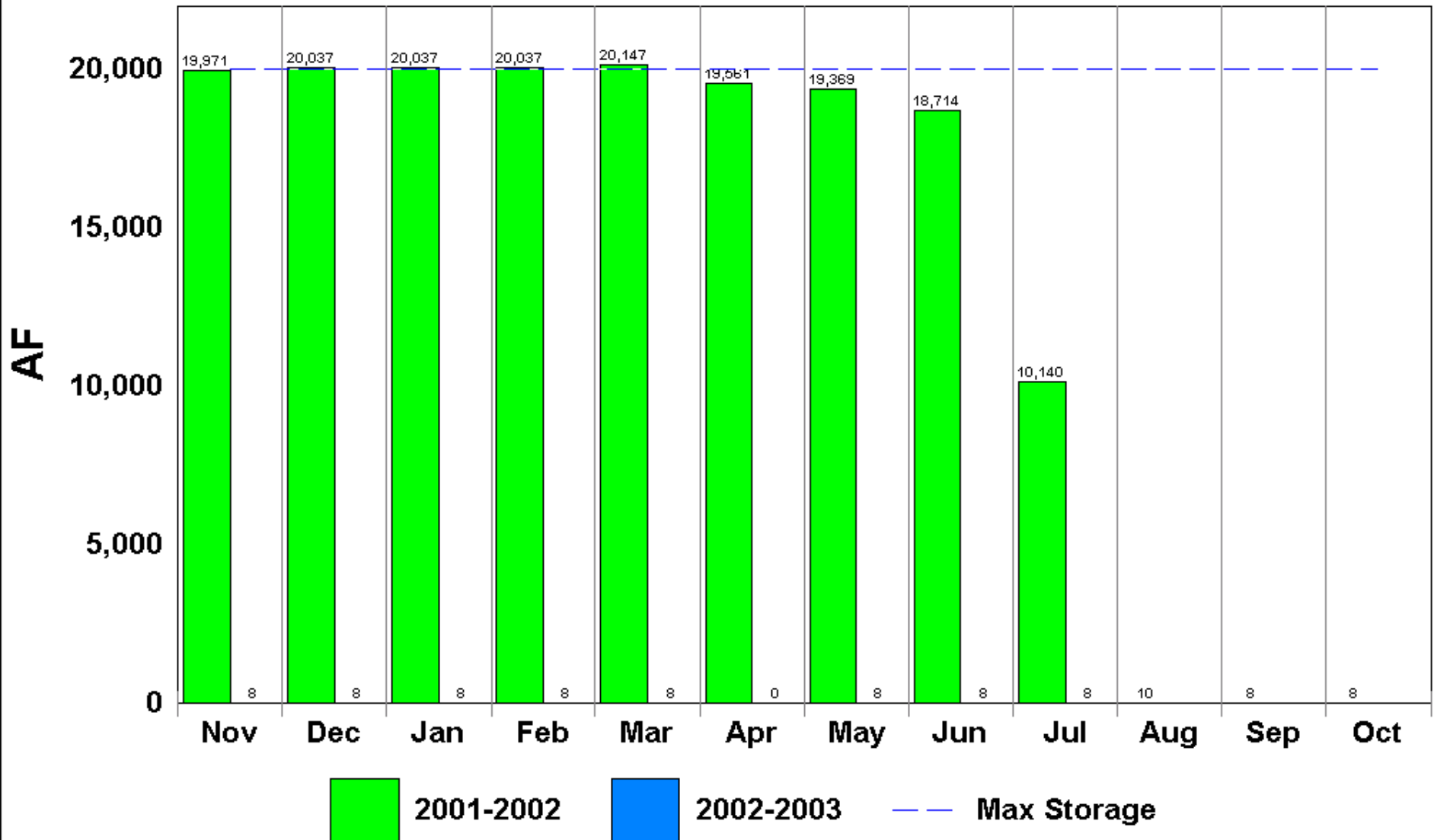
# Dillon Reservoir

(Municipal)



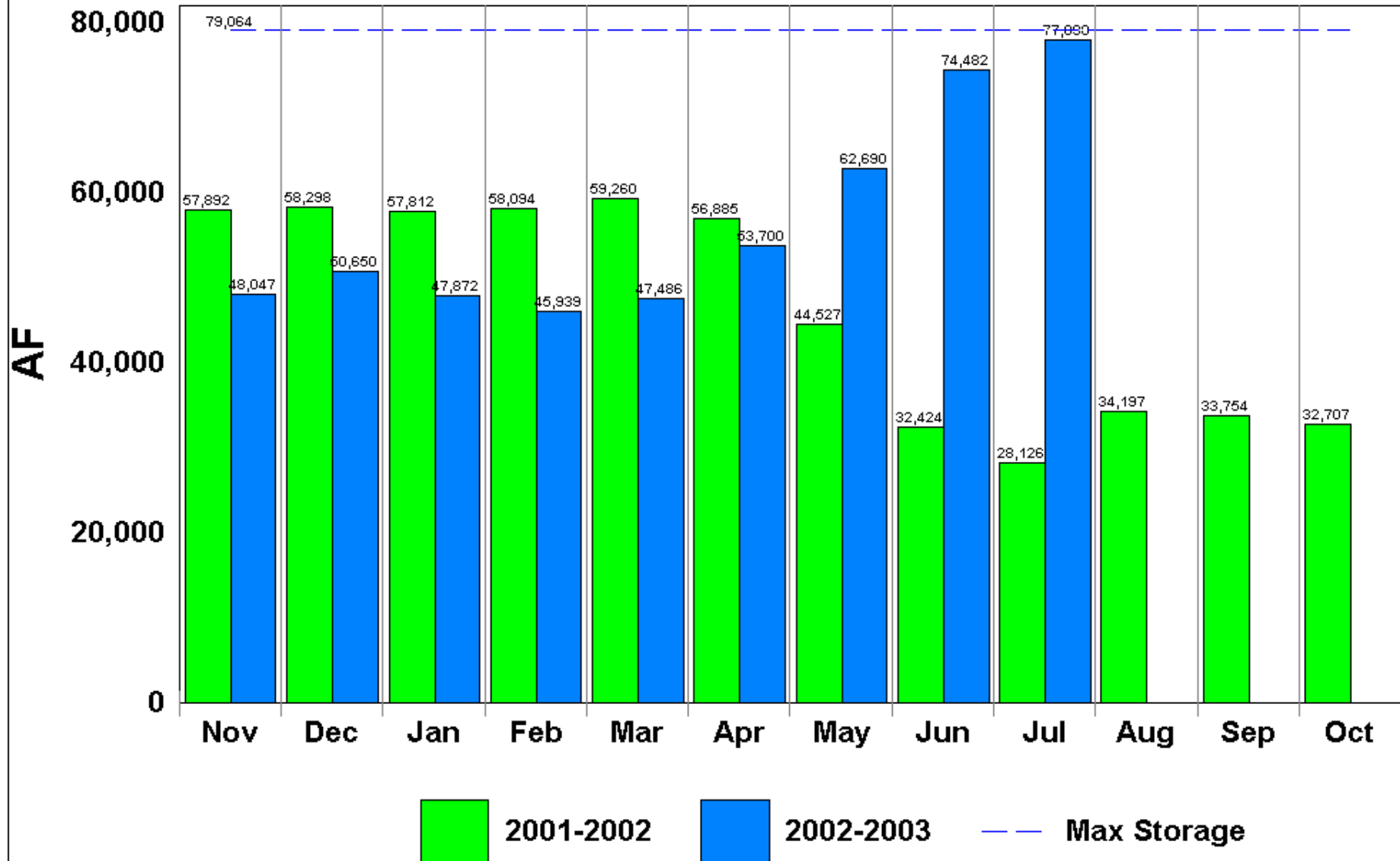
# Antero Reservoir

(Municipal)



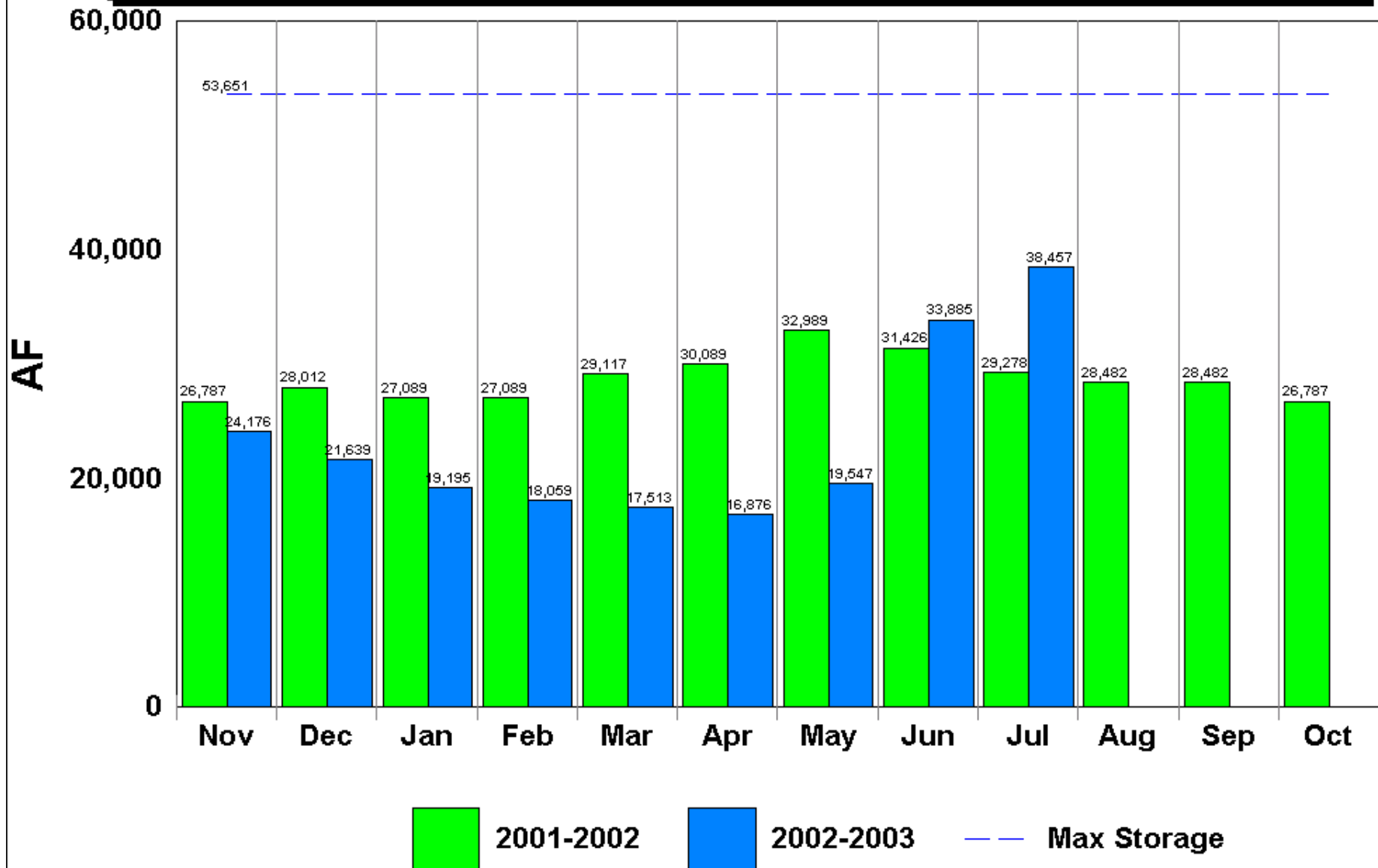
# Cheesman Reservoir

(Municipal)



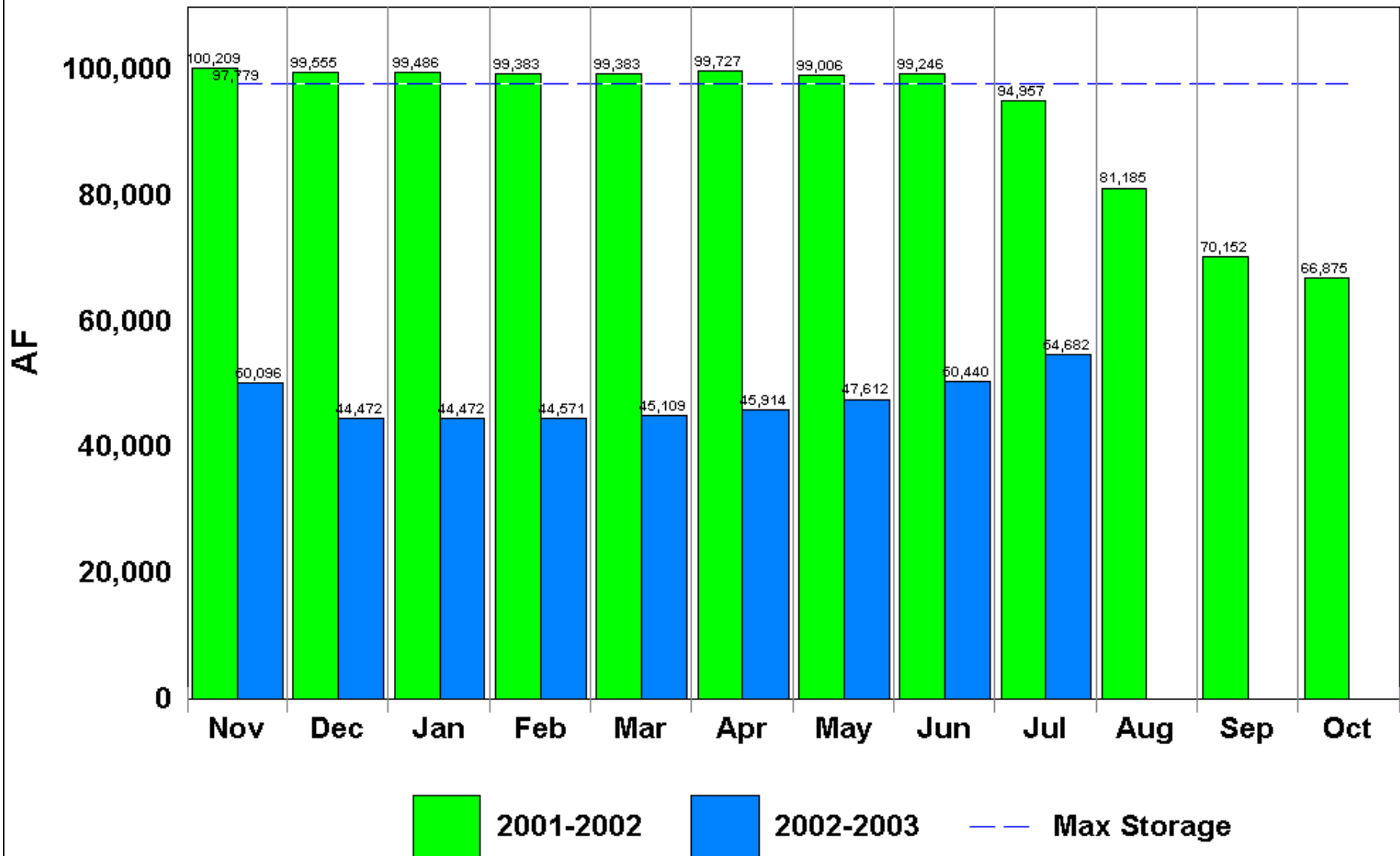
# Spinney Mountain Reservoir

(Municipal)



# Eleven Mile Reservoir

(Municipal)





**Hanging intake pipeline of the Independent Highline off Turkey Creek**



**All data compiled by the Division 1 staff and is preliminary and subject to change**

**Hanging intake pipeline of the Independent Highline off Turkey Creek**