



COLORADO
Department of Natural Resources

South Platte Summary April 2014

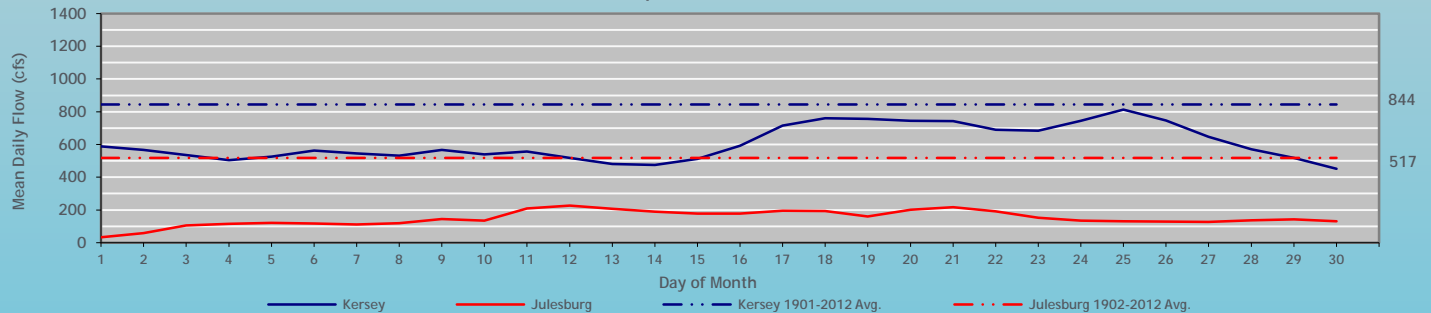
Compiled by Lee Cunning, P.E.

COLORADO DIVISION OF WATER RESOURCES, DIVISION 1

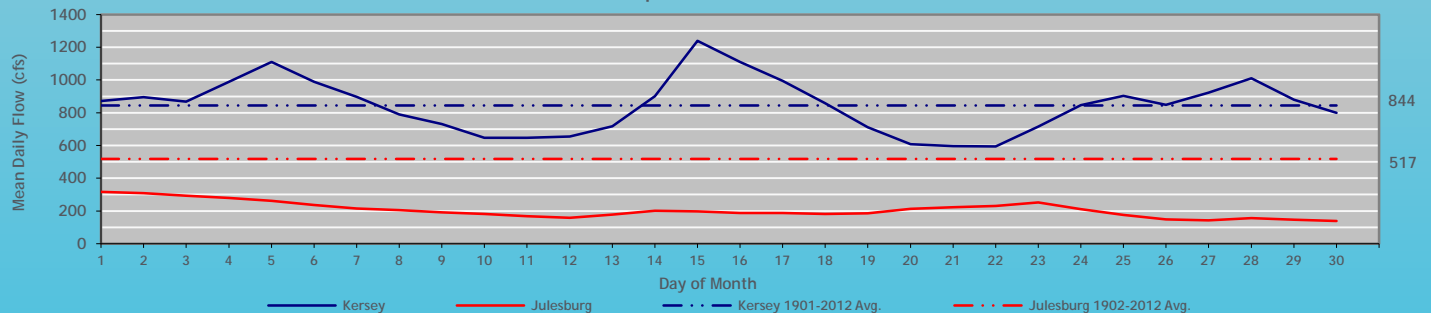
MONTH OF April 2014

| 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 | 22,740 | 22,448 | 64 | -292 | -1% | 99% | 99% | 0 |
| V STERLING | 73,730 | 72,868 | 73,869 | 64 | 1,001 | 1% | 100% | 100% | 139 |
| PREWITT | 28,500 | 25,309 | 28,597 | 64 | 3,288 | 13% | 100% | 98% | 97 |
| JACKSON | 27,257 | 26,891 | 26,074 | 1 | -817 | -3% | 96% | 100% | 0 |
| EMPIRE | 37,700 | 36,320 | 37,014 | 1 | 694 | 2% | 98% | 100% | 0 |
| RIVERSIDE | 63,113 | 61,976 | 61,218 | 1 | -758 | -1% | 97% | 98% | 0 |
| BARR LAKE | 32,152 | 29,128 | 29,314 | 2 | 186 | 1% | 91% | 80% | 0 |
| CHEESMAN | 79,064 | 77,156 | 78,489 | 80 | 1,333 | 2% | 99% | 64% | 0 |
| ELEVEN MILE | 97,779 | 99,624 | 99,692 | 23 | 68 | 0% | 100% | 99% | 1,913 |
| SPINNEY | 53,651 | 38,759 | 40,534 | 23 | 1,775 | 5% | 76% | 47% | 0 |
| ANTERO | 20,015 | 15,856 | 15,659 | 23 | -197 | -1% | 78% | 80% | 0 |

KERSEY and JULESBURG
April 2013

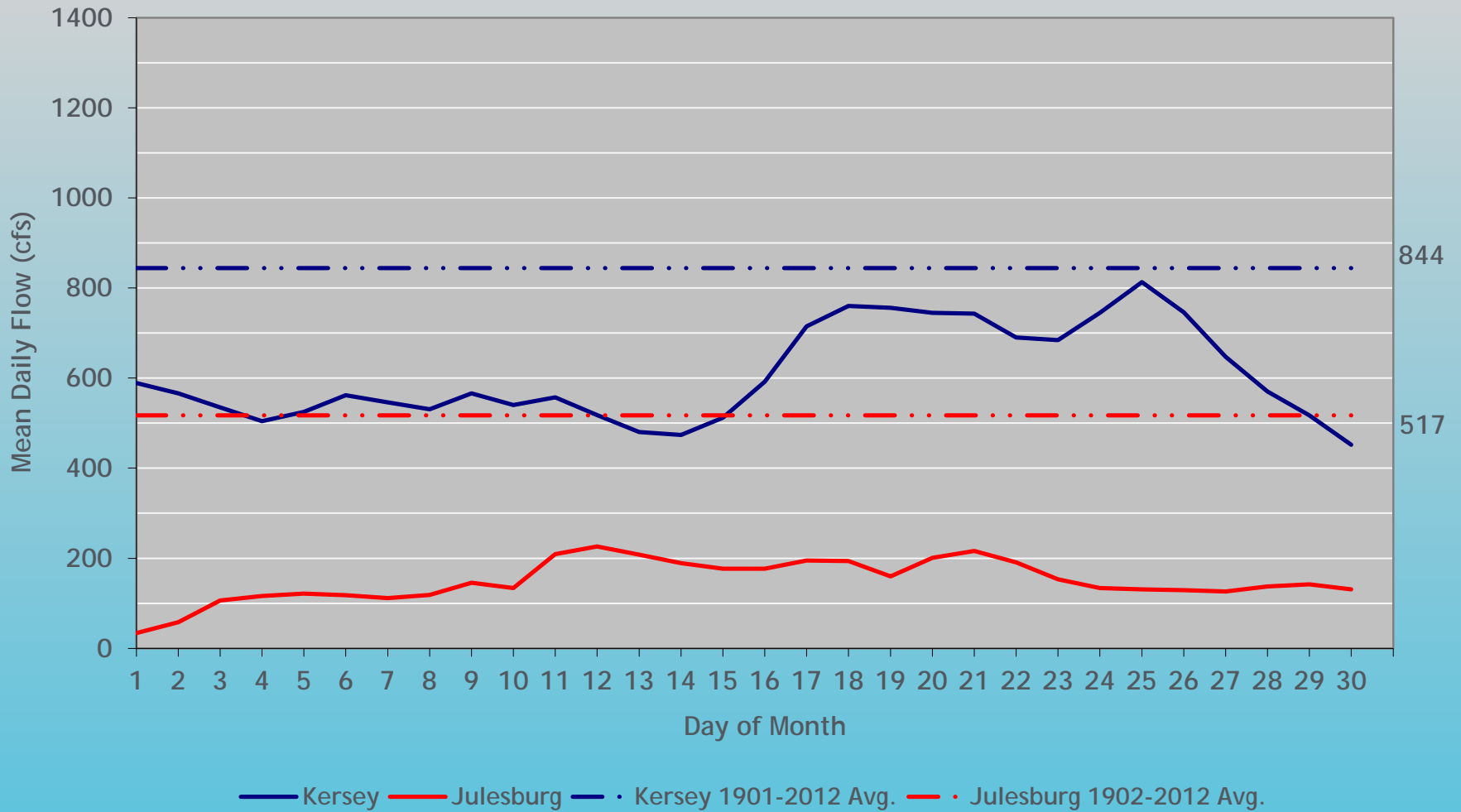


KERSEY and JULESBURG
April 2014



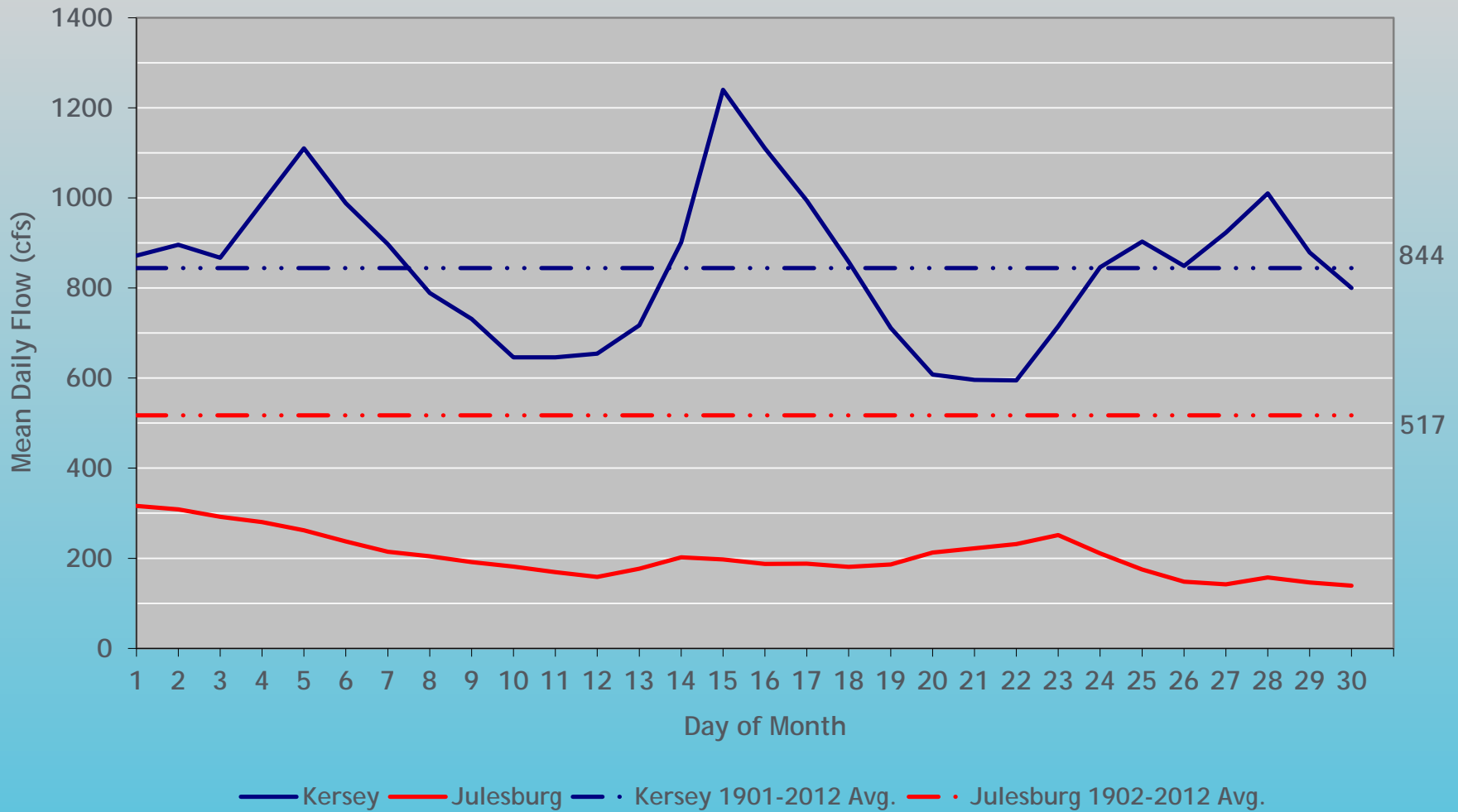
| RIVER GAGES | MEAN DAILY FLOW (CFS) |
|----------------------------|-----------------------|
| KERSEY | 845 |
| JULESBURG | 206 |
| THIS MONTH LAST YEAR | |
| KERSEY | 606 |
| JULESBURG | 150 |
| MEAN FOR PERIOD OF RECORD* | |
| KERSEY | 844 |
| JULESBURG | 517 |
| *Kersey 1901 - 2013 | |
| *Julesburg 1902 - 2013 | |

KERSEY and JULESBURG April 2013



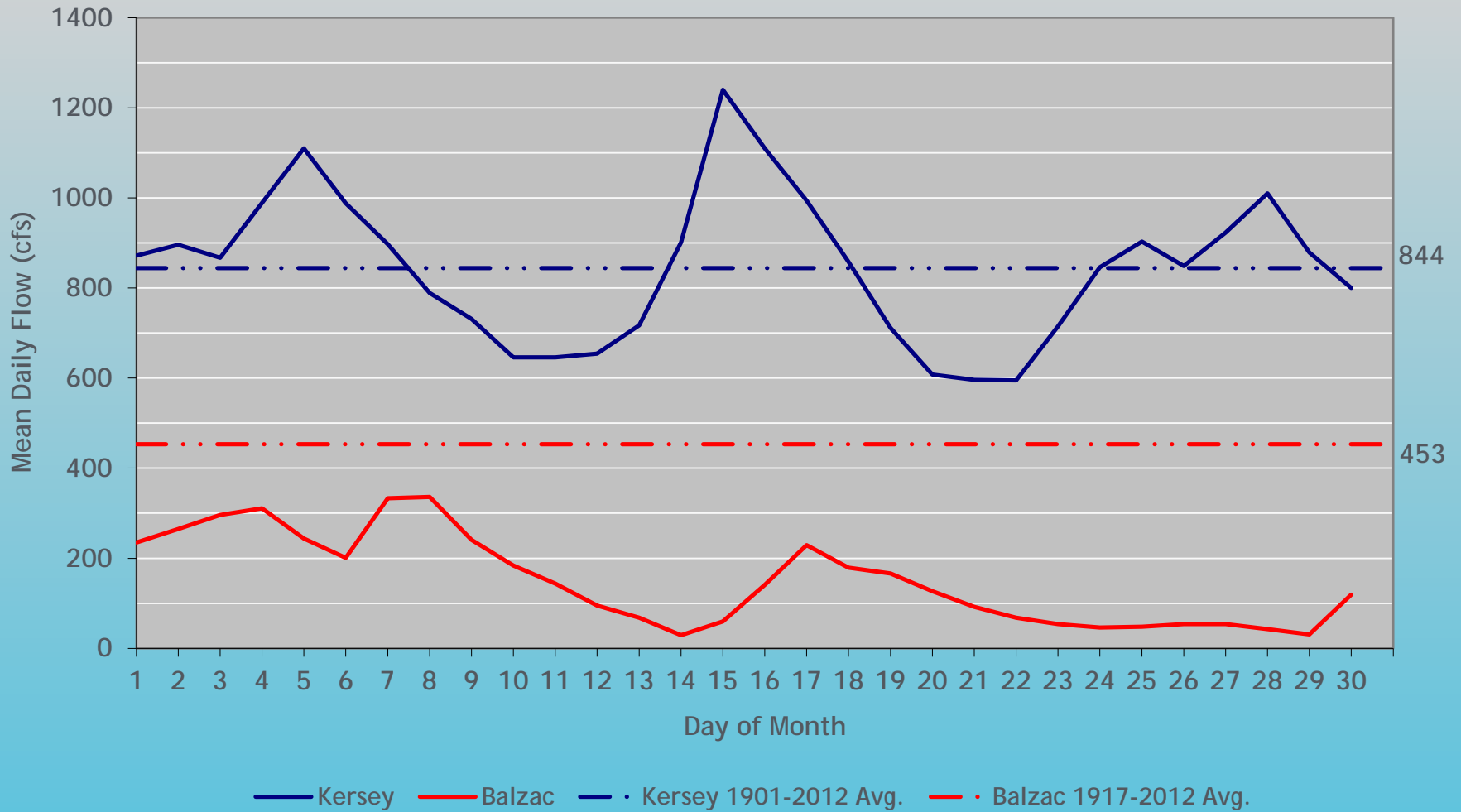
KERSEY and JULESBURG

April 2014



KERSEY and BALZAC

April 2014

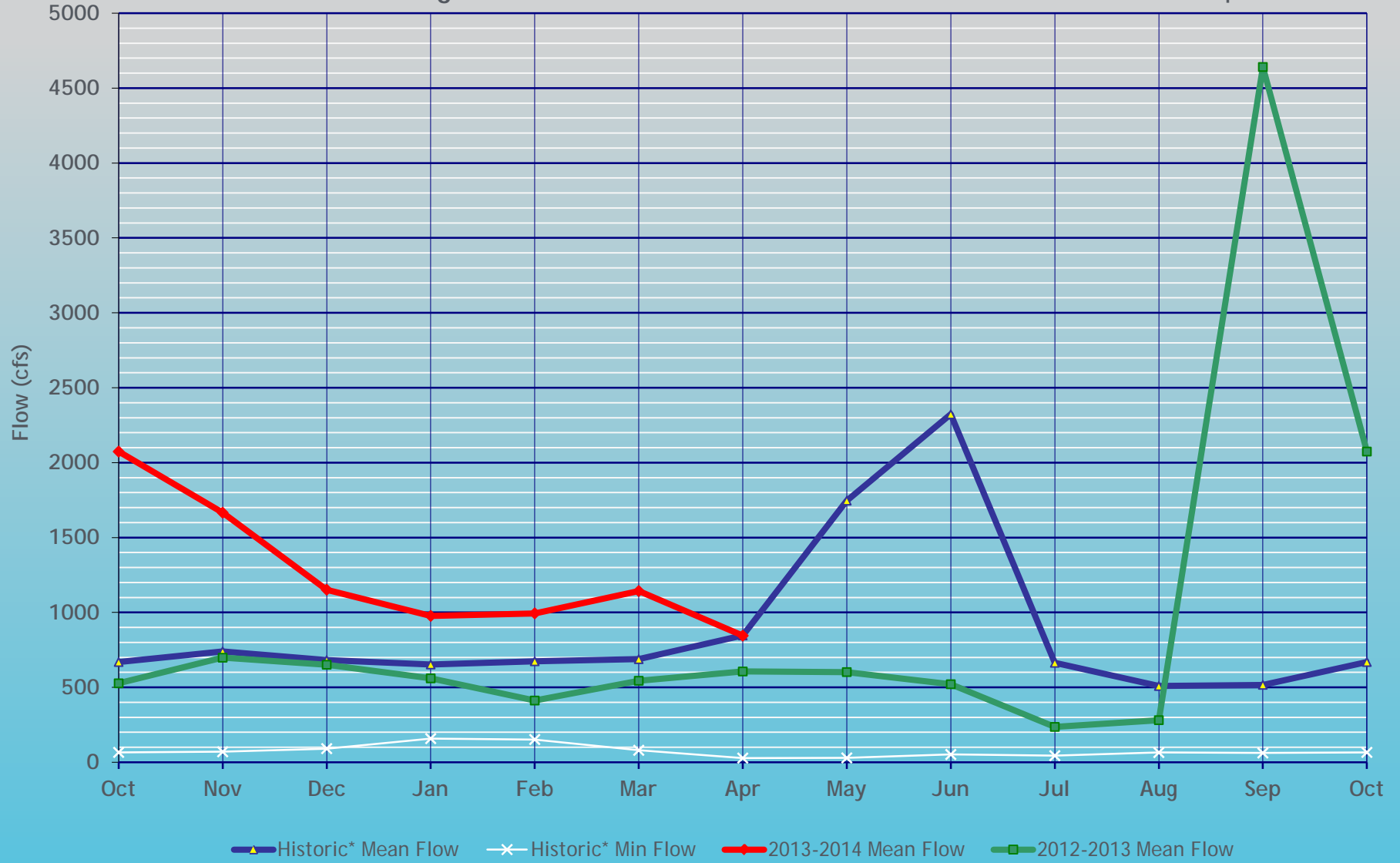


| South Platte River at Kersey | | | | | | | South Platte River at Julesburg | | | | | | |
|------------------------------|---------------------------|--------------------------|------|--------------------------|------|------------------------------------|---------------------------------|---------------------------|--------------------------|------|--------------------------|------|------------------------------------|
| Month | Historic* Mean Flow | Historic* Max Flow | Year | Historic* Min Flow | Year | IY 2014 Mean Monthly Flow | Month | Historic* Mean Flow | Historic* Max Flow | Year | Historic* Min Flow | Year | IY 2014 Mean Monthly Flow |
| Oct | 669 | 6180 | 1984 | 66 | 1954 | 2074 | Oct | 301 | 3130 | 1984 | 4.2 | 1903 | 1604 |
| Nov | 740 | 3650 | 1984 | 70 | 1934 | 1666 | Nov | 335 | 2900 | 1984 | 4.2 | 1903 | 233 |
| Dec | 682 | 1890 | 1961 | 91 | 1934 | 1152 | Dec | 397 | 1820 | 1984 | 13 | 2002 | 596 |
| Jan | 652 | 2160 | 1974 | 158 | 1935 | 977 | Jan | 509 | 2510 | 1970 | 21 | 2003 | 588 |
| Feb | 674 | 3060 | 1914 | 152 | 1935 | 994 | Feb | 582 | 3220 | 1930 | 29 | 2005 | 866 |
| Mar | 688 | 3470 | 1983 | 80 | 1935 | 1143 | Mar | 522 | 12900 | 1910 | 15 | 1904 | 484 |
| Apr | 846 | 18100 | 1942 | 28 | 1955 | 845 | Apr | 523 | 14400 | 1942 | 4.0 | 1904 | 206 |
| May | 1746 | 26100 | 1973 | 29 | 1955 | | May | 1003 | 18100 | 1973 | 12 | 1911 | |
| Jun | 2323 | 31000 | 1921 | 52 | 1954 | | Jun | 1430 | 30800 | 1921 | 2.0 | 1910 | |
| Jul | 664 | 12600 | 1983 | 44 | 1955 | | Jul | 295 | 12600 | 1983 | 0.0 | 1903 | |
| Aug | 509 | 9690 | 1951 | 65 | 1934 | | Aug | 180 | 8920 | 1968 | 0.0 | 1903 | |
| Sep | 517 | 14200 | 1938 | 62 | 1940 | | Sep | 239 | 7130 | 1938 | 2.0 | 1902 | |
| Oct | 669 | 6180 | 1984 | 66 | 1954 | | Oct | 301 | 3130 | 1984 | 4.2 | 1903 | |
| *Period of record 1902-2012 | | | | | | | *Period of record 1902-2012 | | | | | | |

South Platte River at Kersey

Irrigation Year

Peak Flows at Kersey have not been determined at this point.

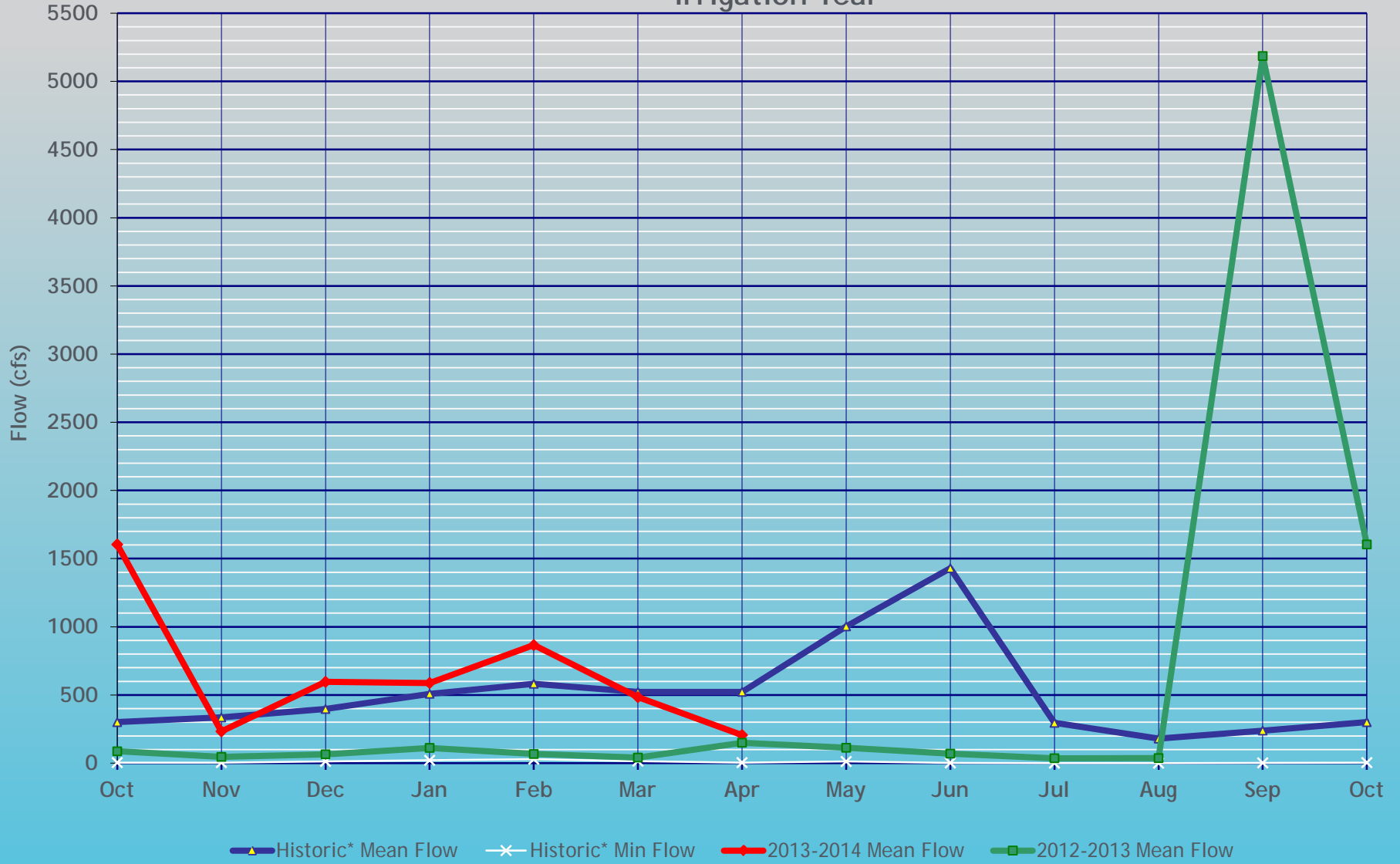


▲ Historic* Mean Flow × Historic* Min Flow ◆ 2013-2014 Mean Flow ■ 2012-2013 Mean Flow

*1901-2012

South Platte River at Julesburg

Irrigation Year



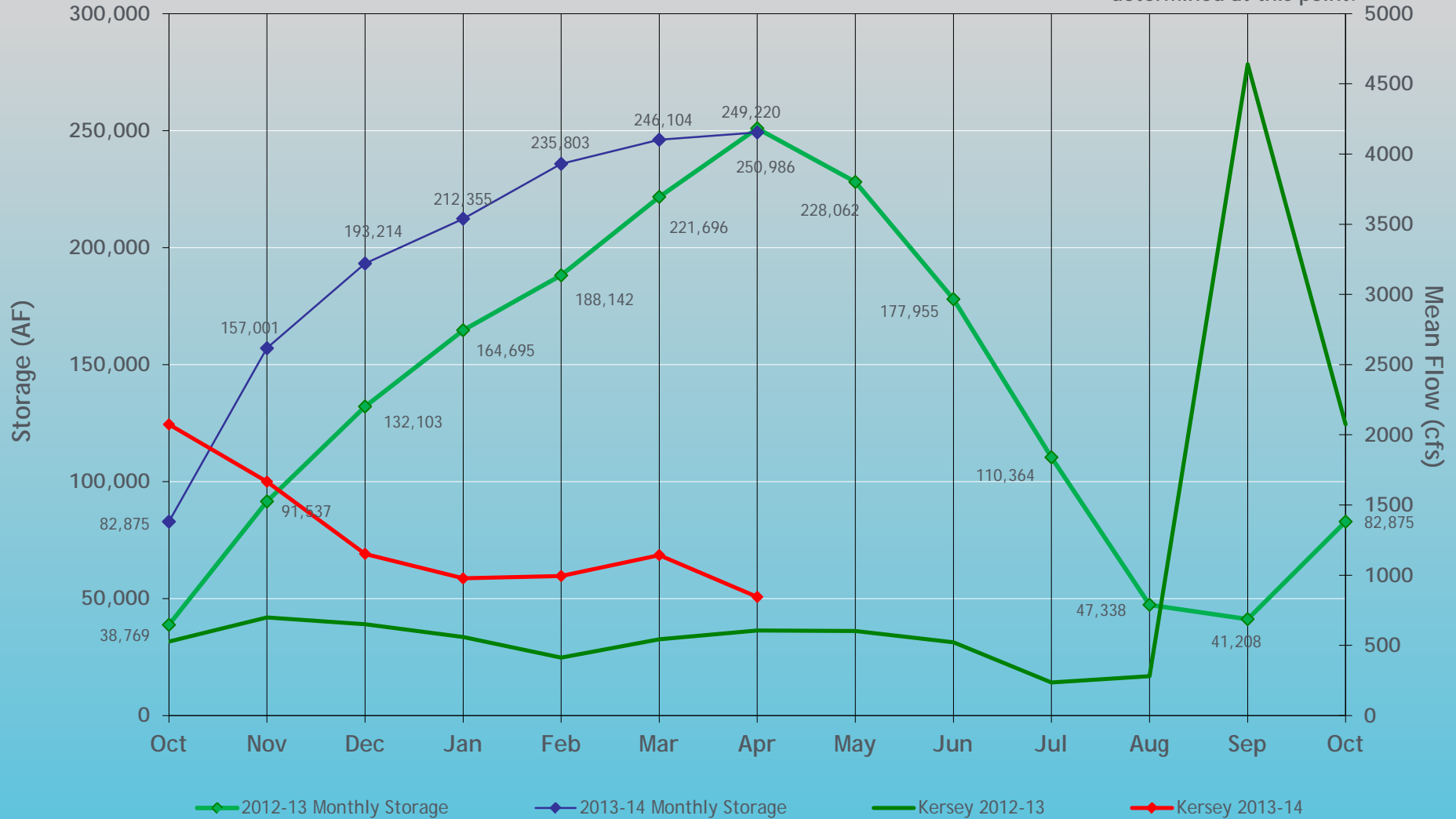
*1901-2012



Reservoir Storage below Kersey

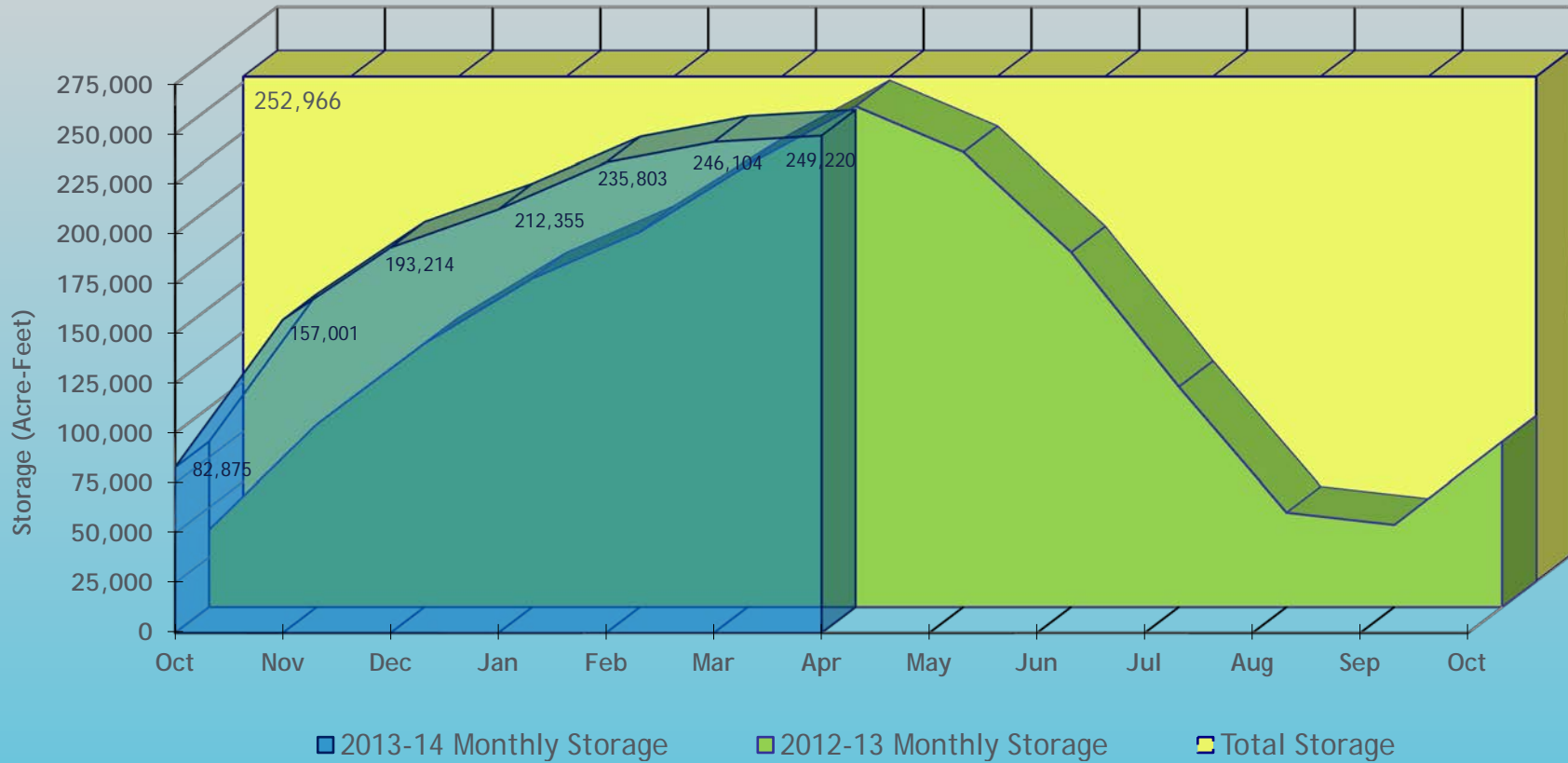
Selected Reservoirs*

Peak Flows at Kersey have not been determined at this point.



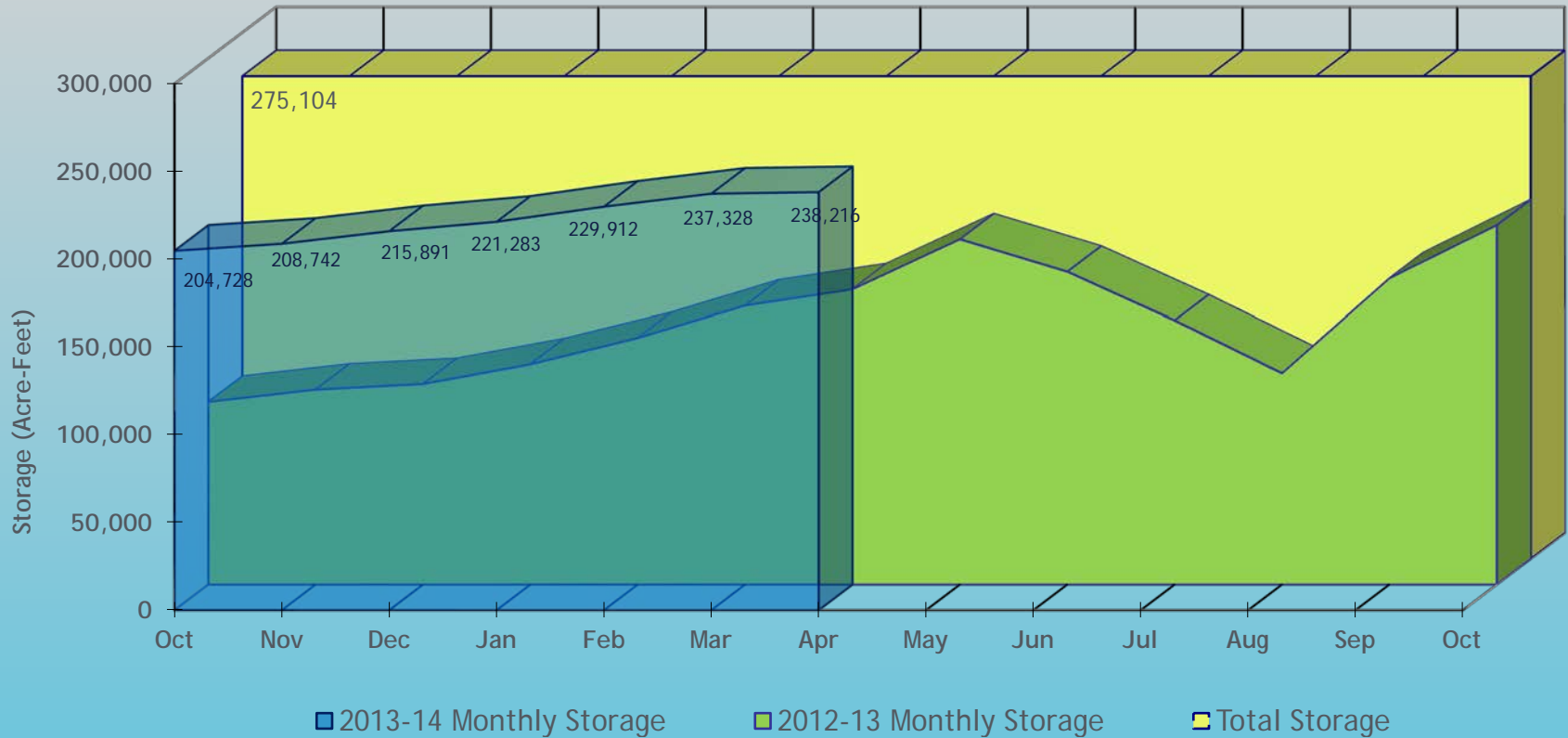
*Empire, Riverside, Jackson, Prewitt, North Sterling, & Julesburg

South Platte Reservoir Storage below Kersey*



*Empire, Riverside, Jackson, Prewitt, North Sterling, & Julesburg

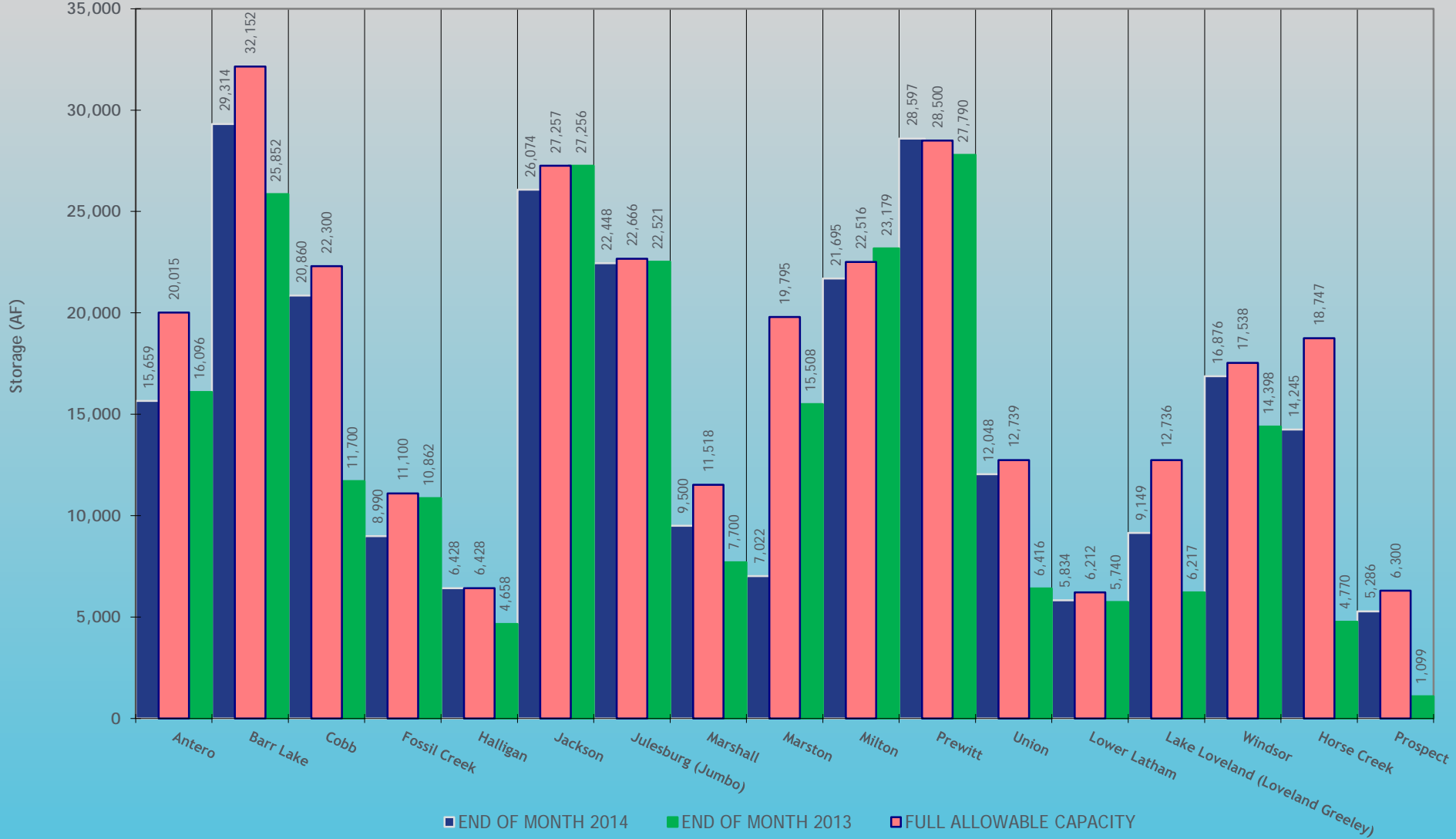
South Platte Reservoir Storage above Kersey*



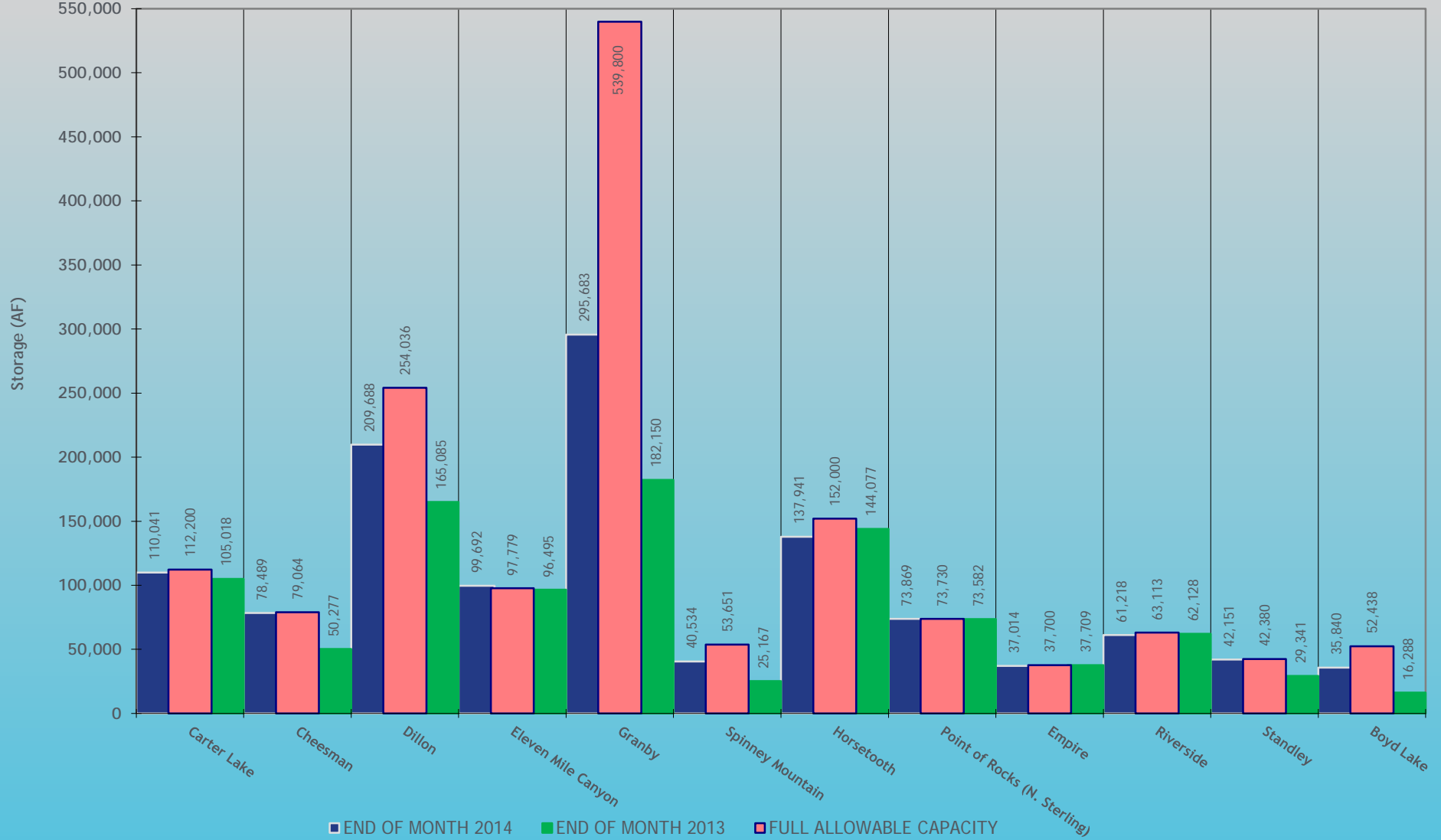
*Barr, Cobb, Fossil Creek, Halligan, Marshall, Milton, Union, Standley, Lower Latham, Boyd, Loveland, Windsor, Horse Creek, & Prospect



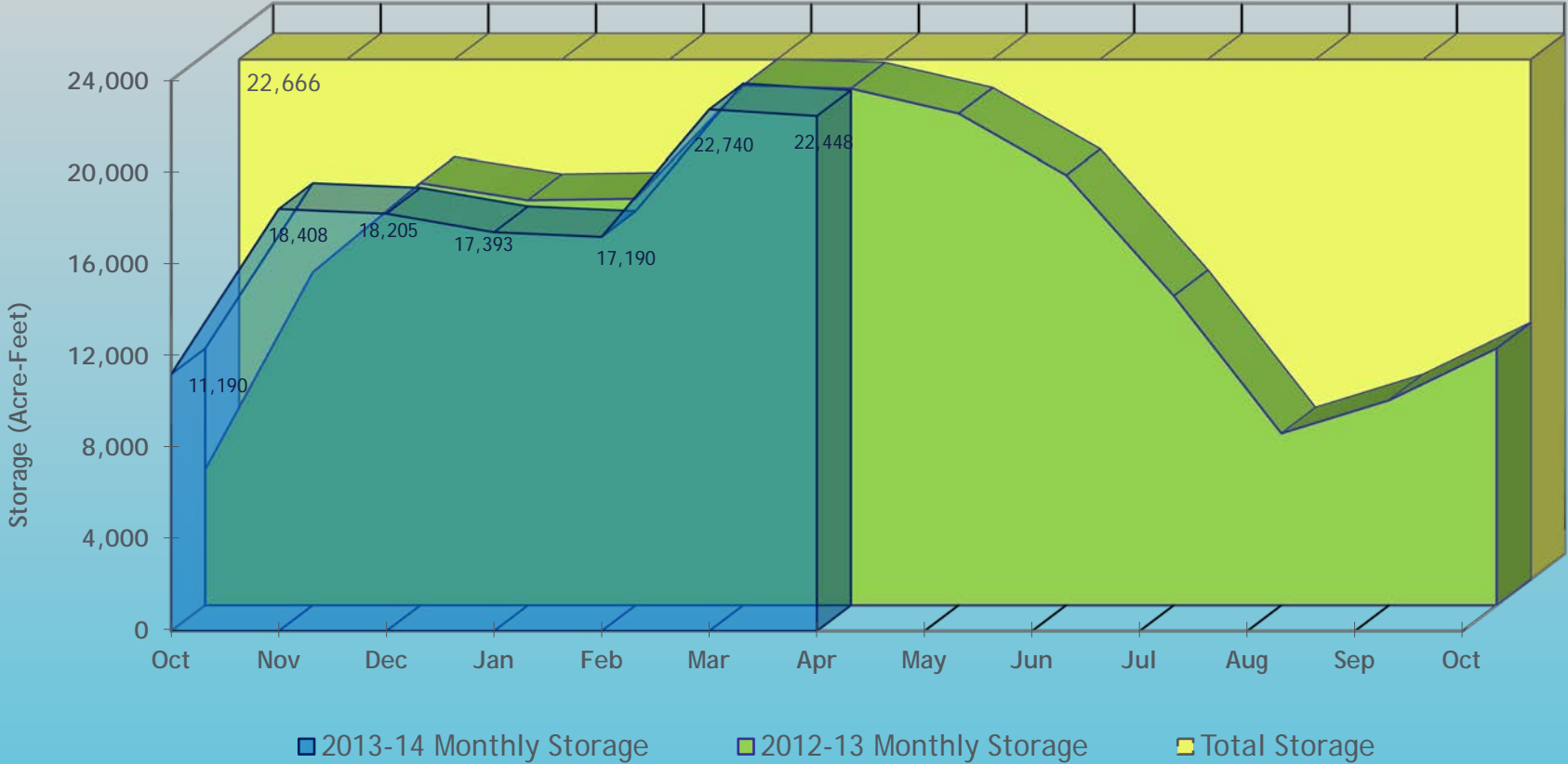
April Reservoir Change in Storage 2013 versus 2014



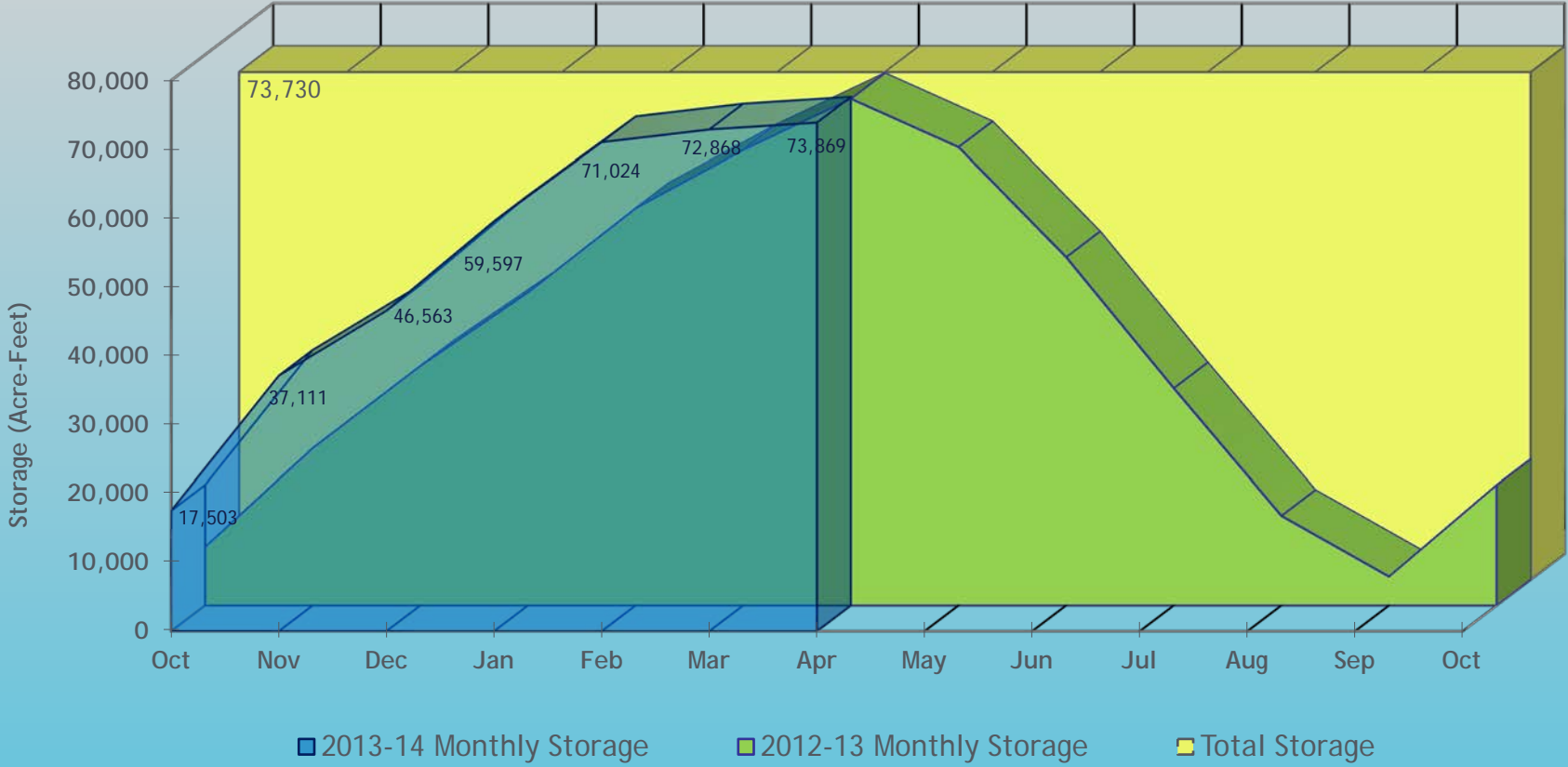
April Reservoir Change in Storage 2013 versus 2014



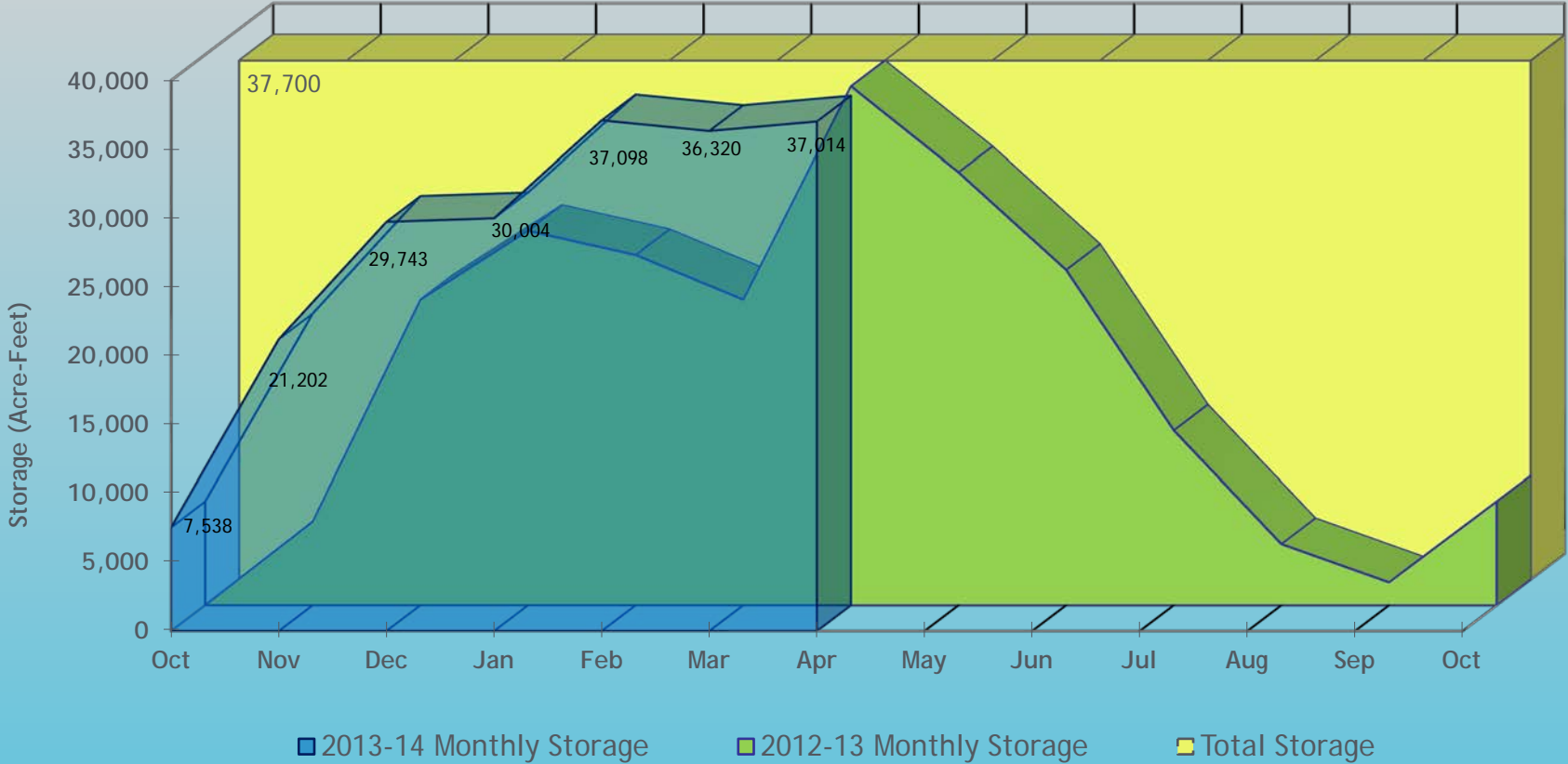
Julesburg Reservoir (District 64 - Agricultural)



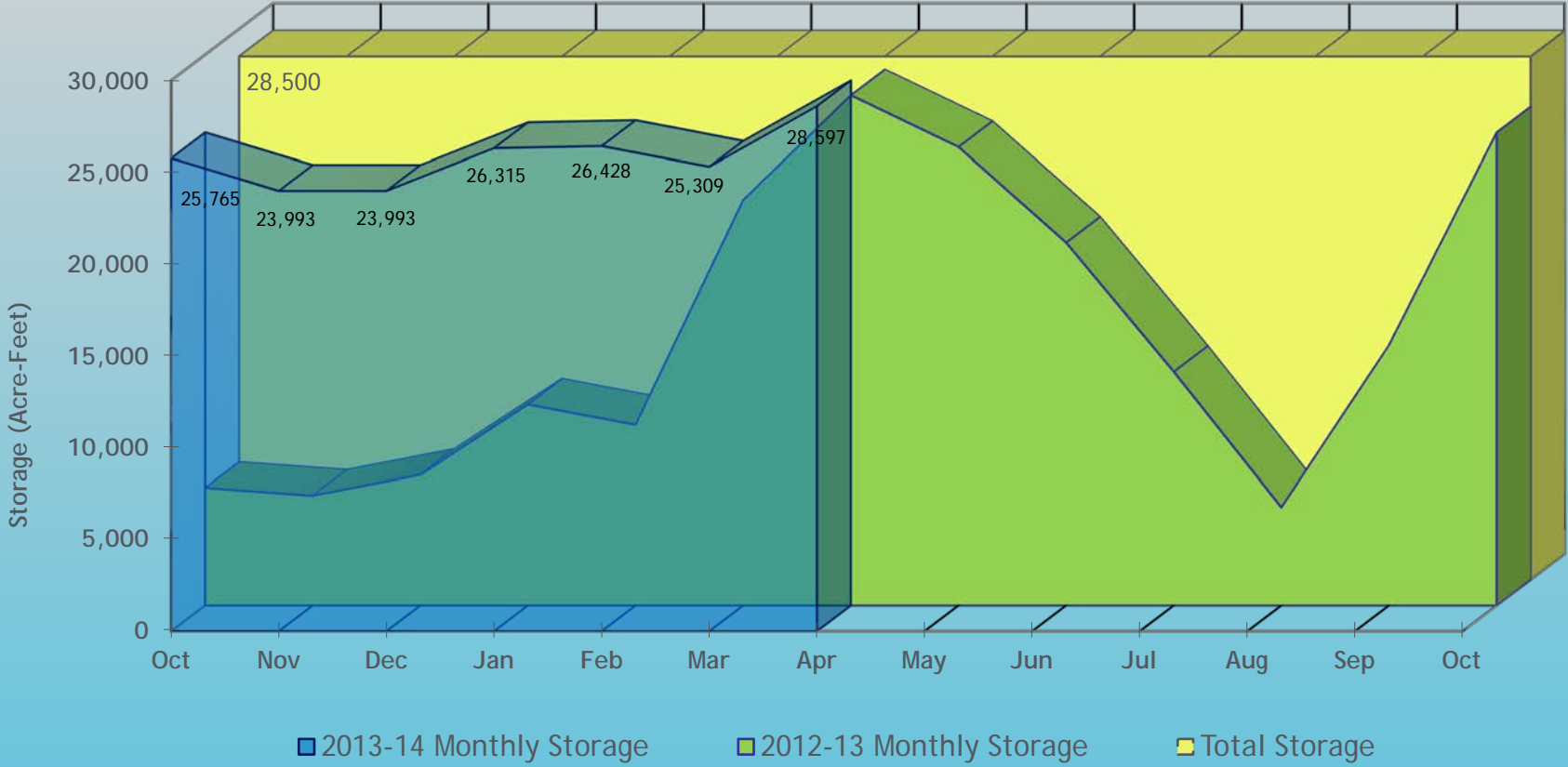
North Sterling Reservoir (District 64 - Agricultural)



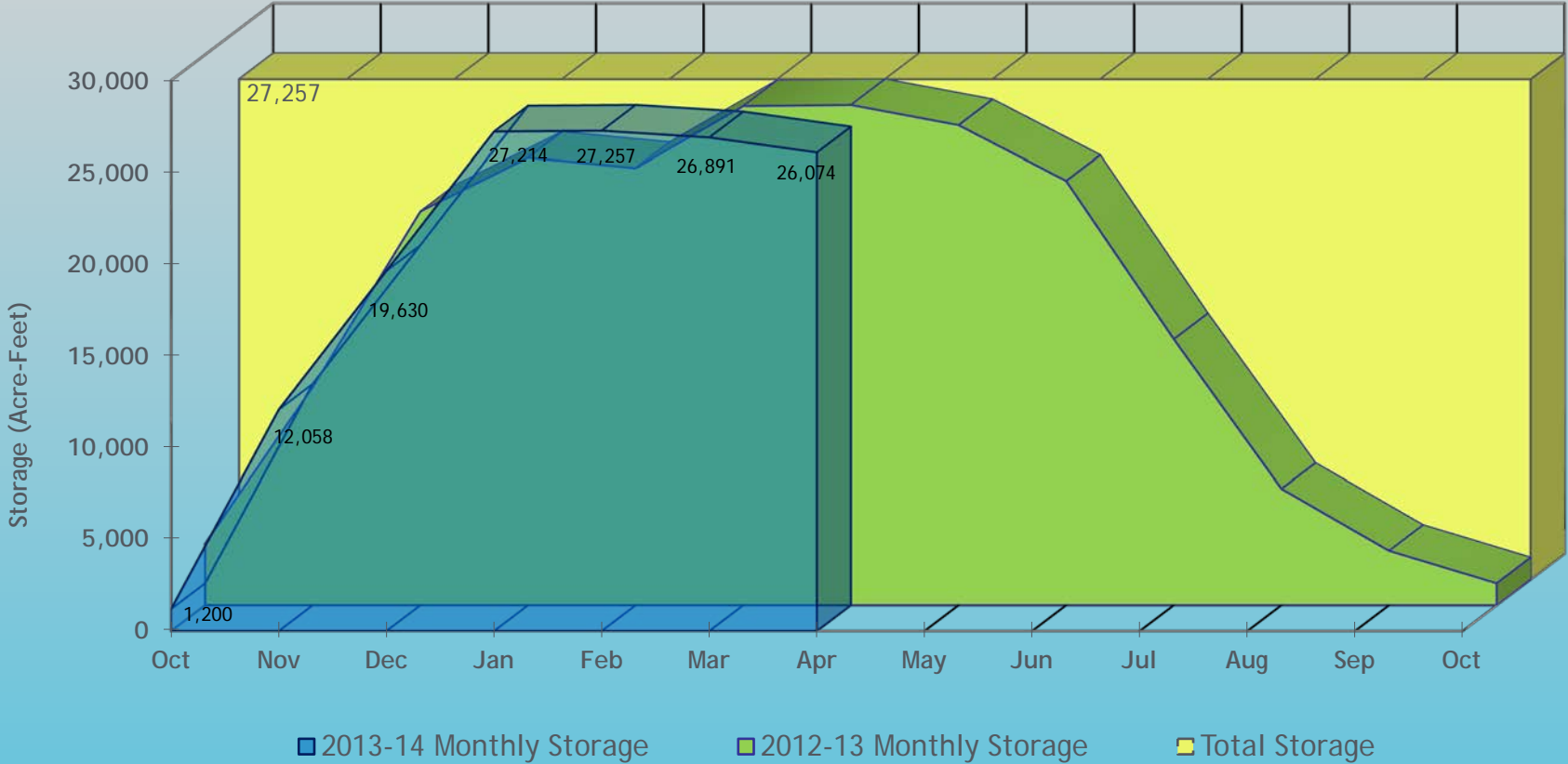
Empire Reservoir (District 1 - Agricultural)



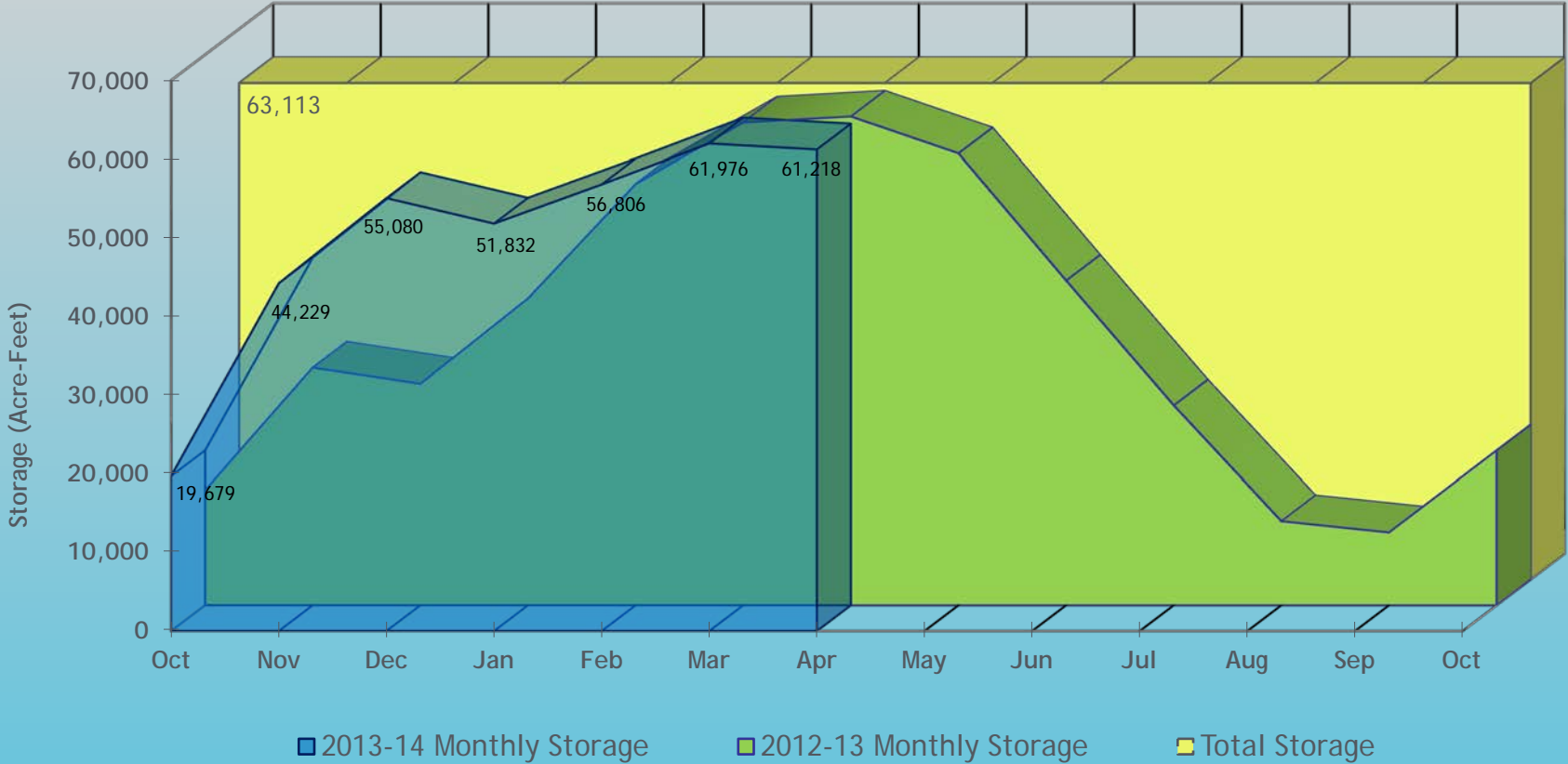
Prewitt Reservoir (District 64 - Agricultural)



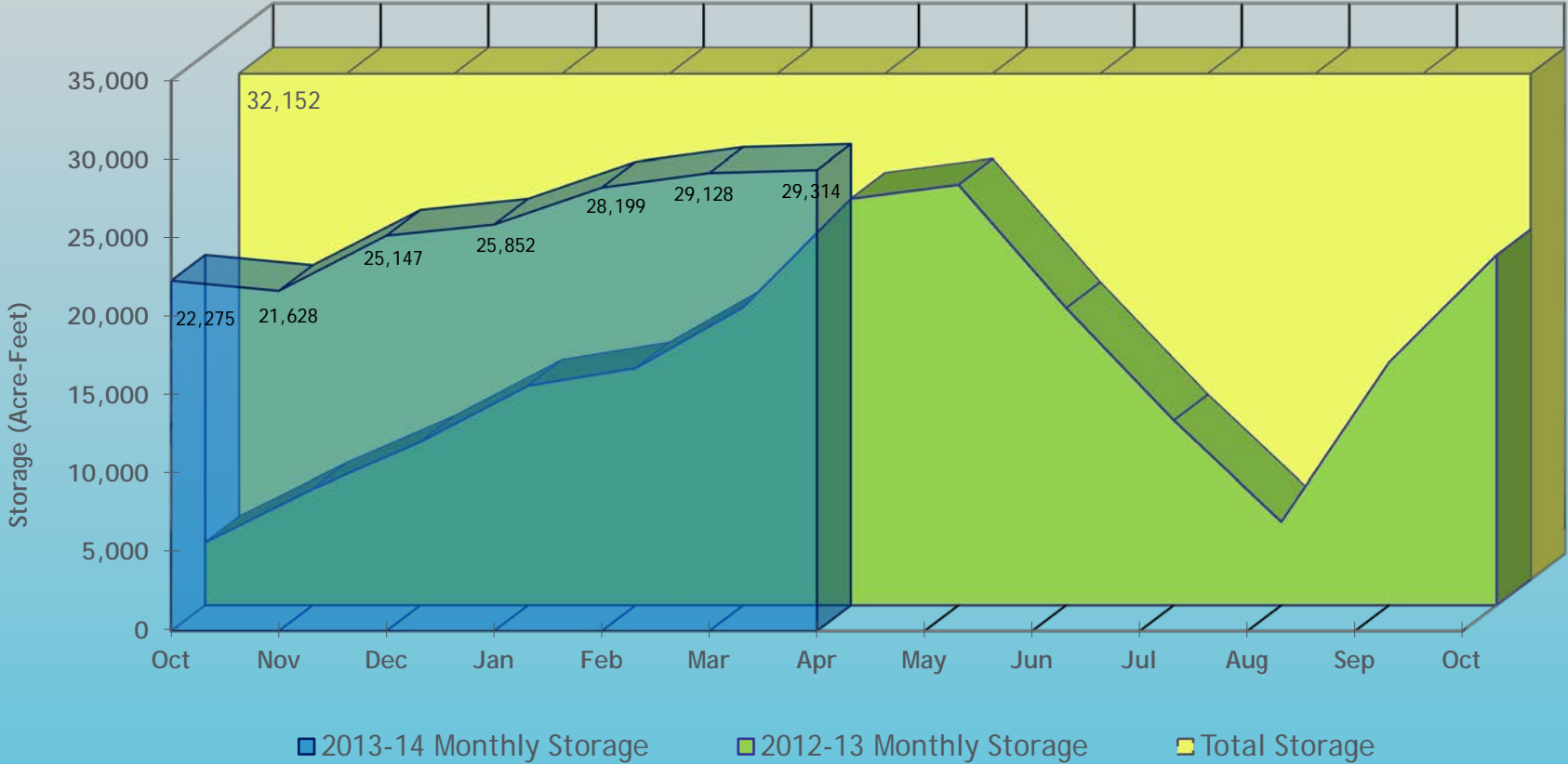
Jackson Reservoir (District 1 - Agricultural)



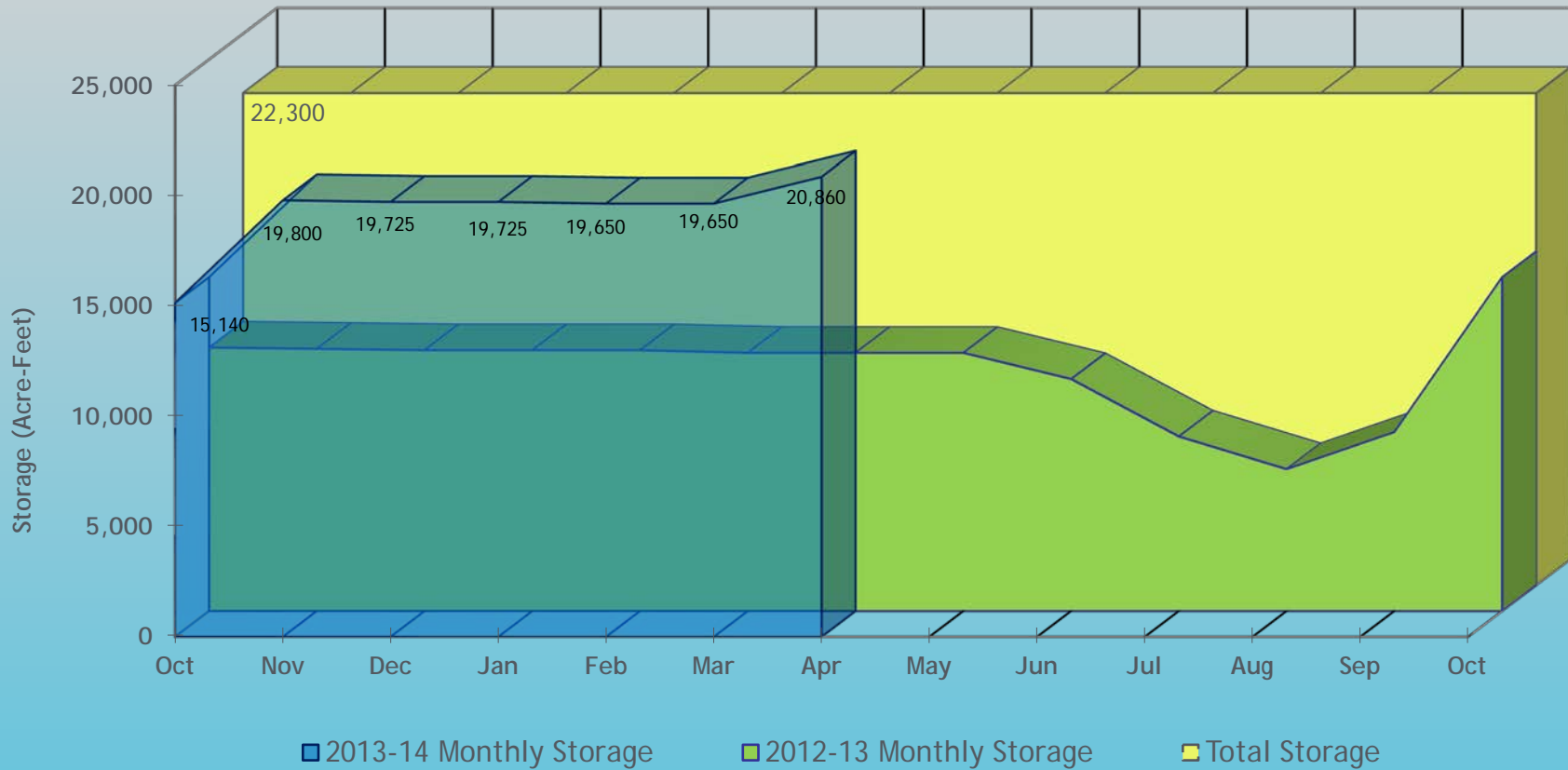
Riverside Reservoir (District 1 - Agricultural)



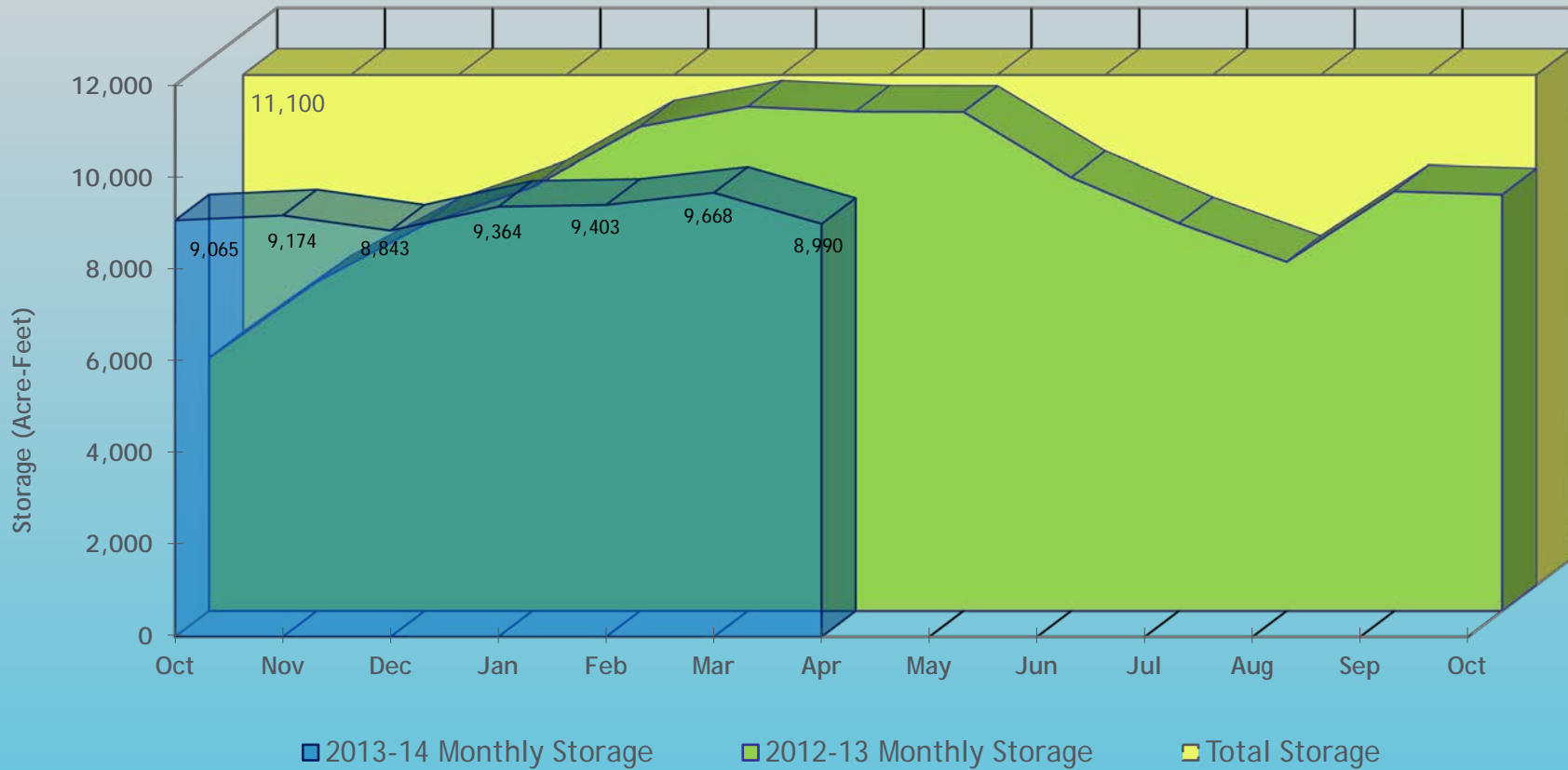
Barr Reservoir (District 2 - Agricultural)



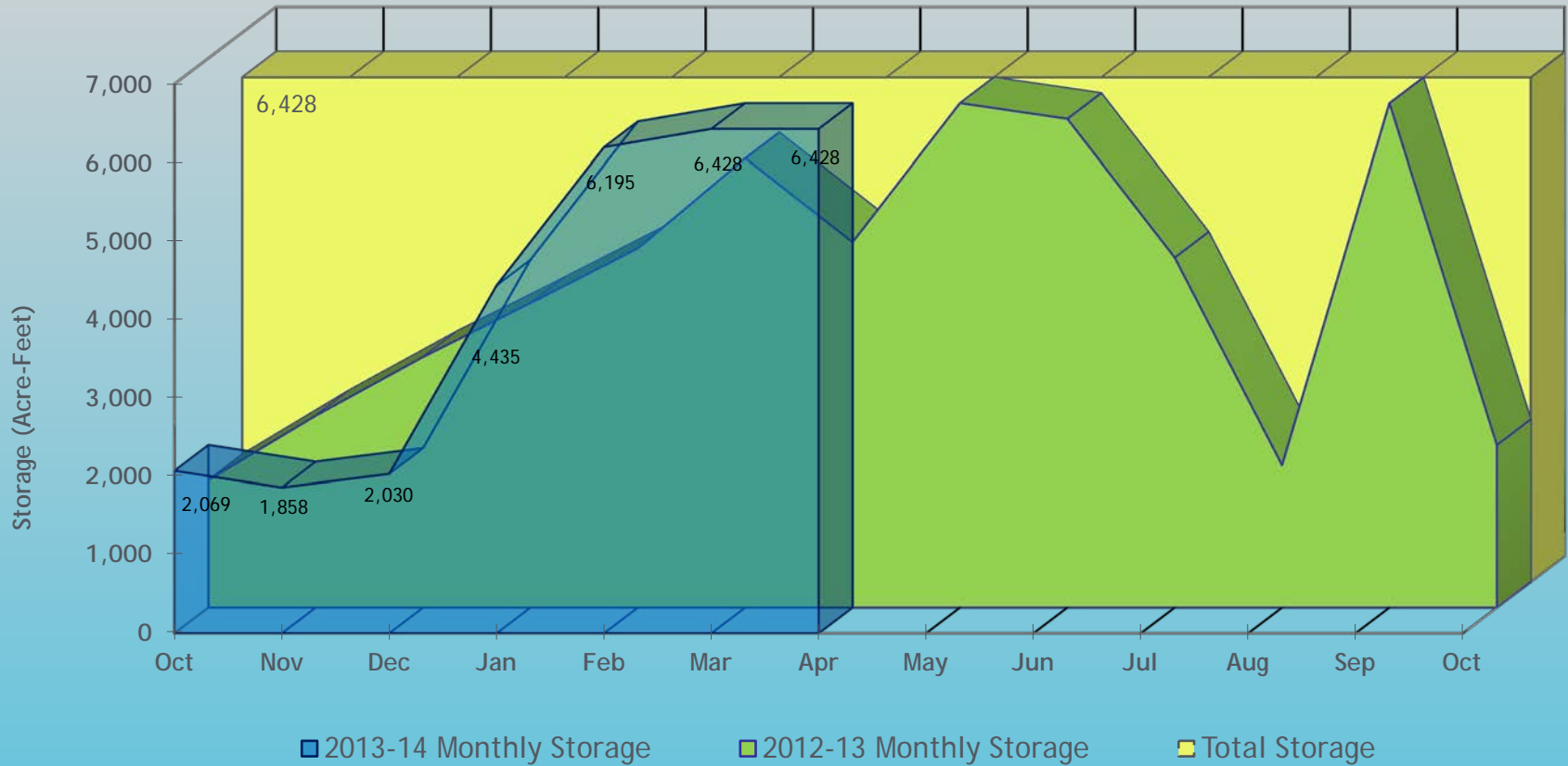
Cobb Reservoir (District 3, Poudre River - Agricultural)



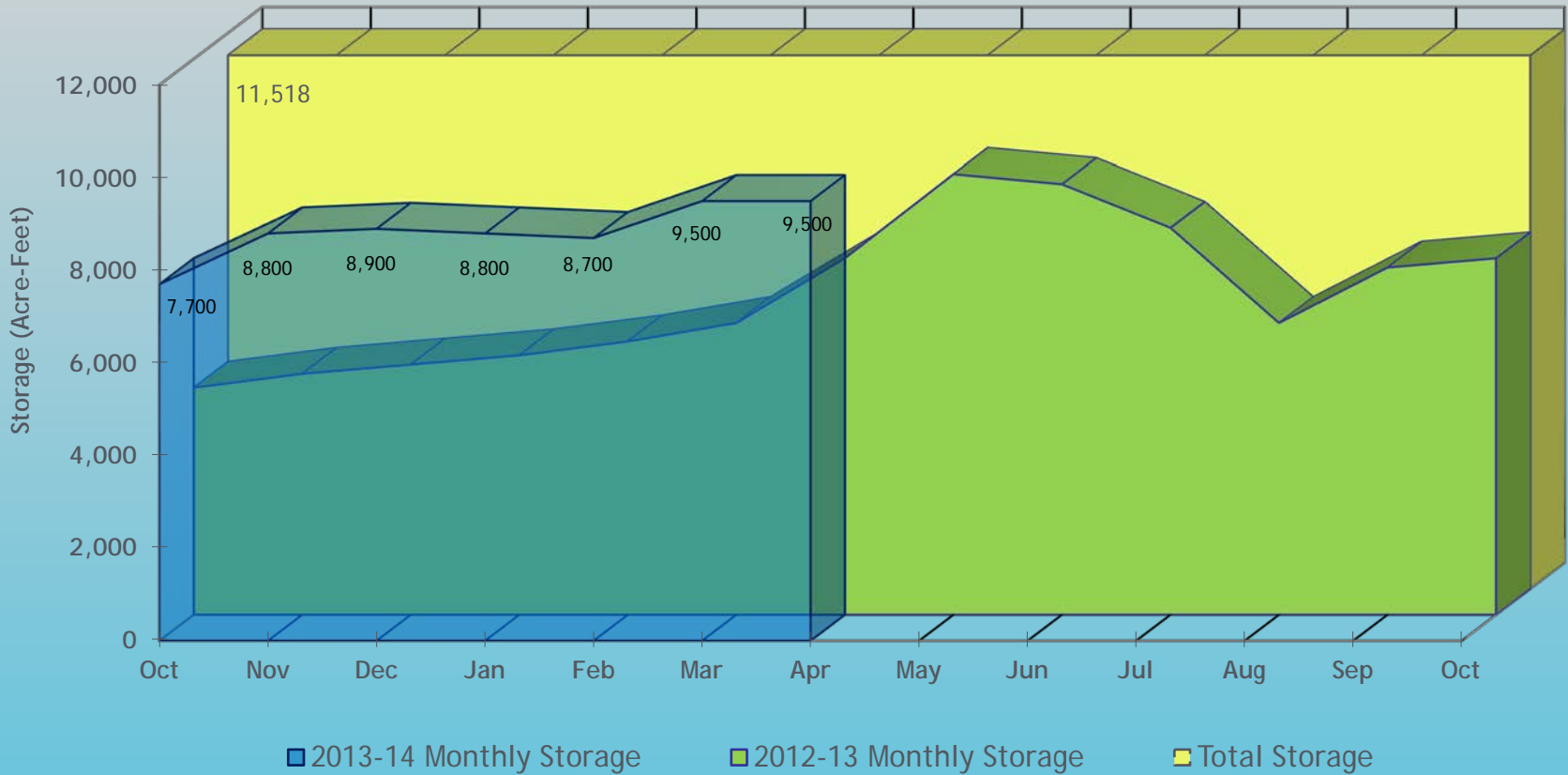
Fossil Creek Reservoir (District 3, Poudre River - Agricultural)



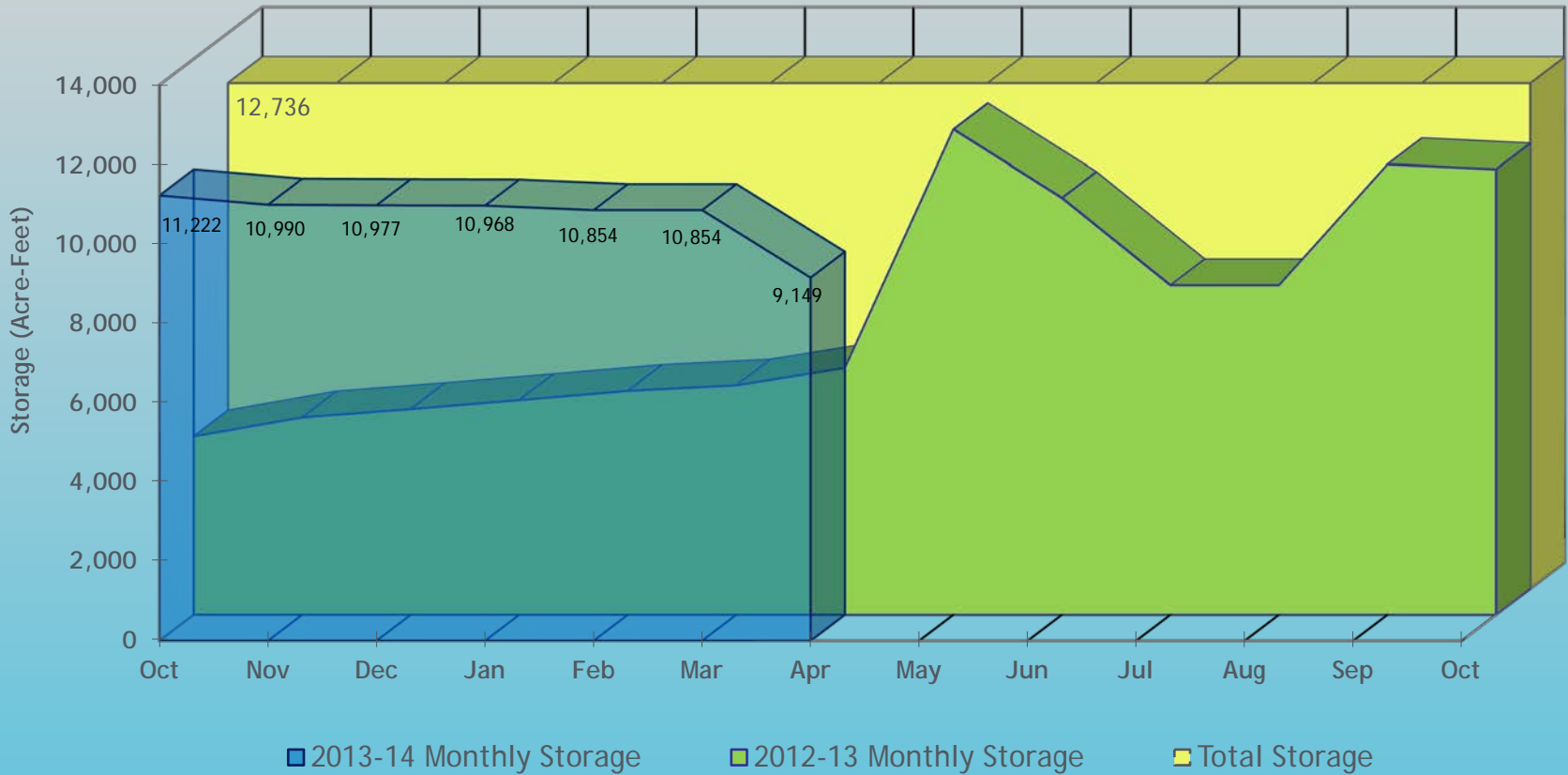
Halligan Reservoir (District 3, Poudre River - Agricultural)



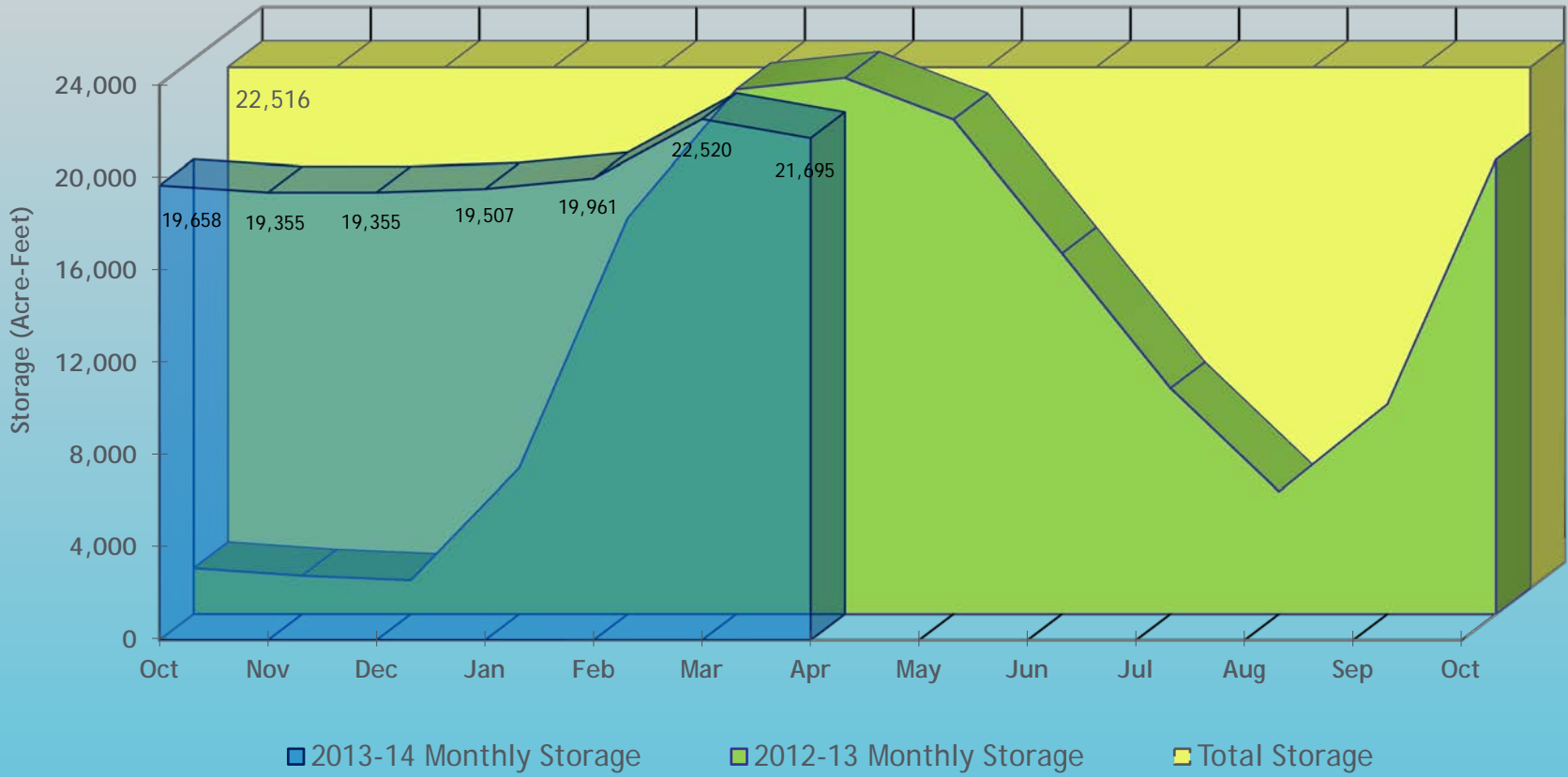
Marshall Lake (District 6, Boulder Creek - Agricultural)



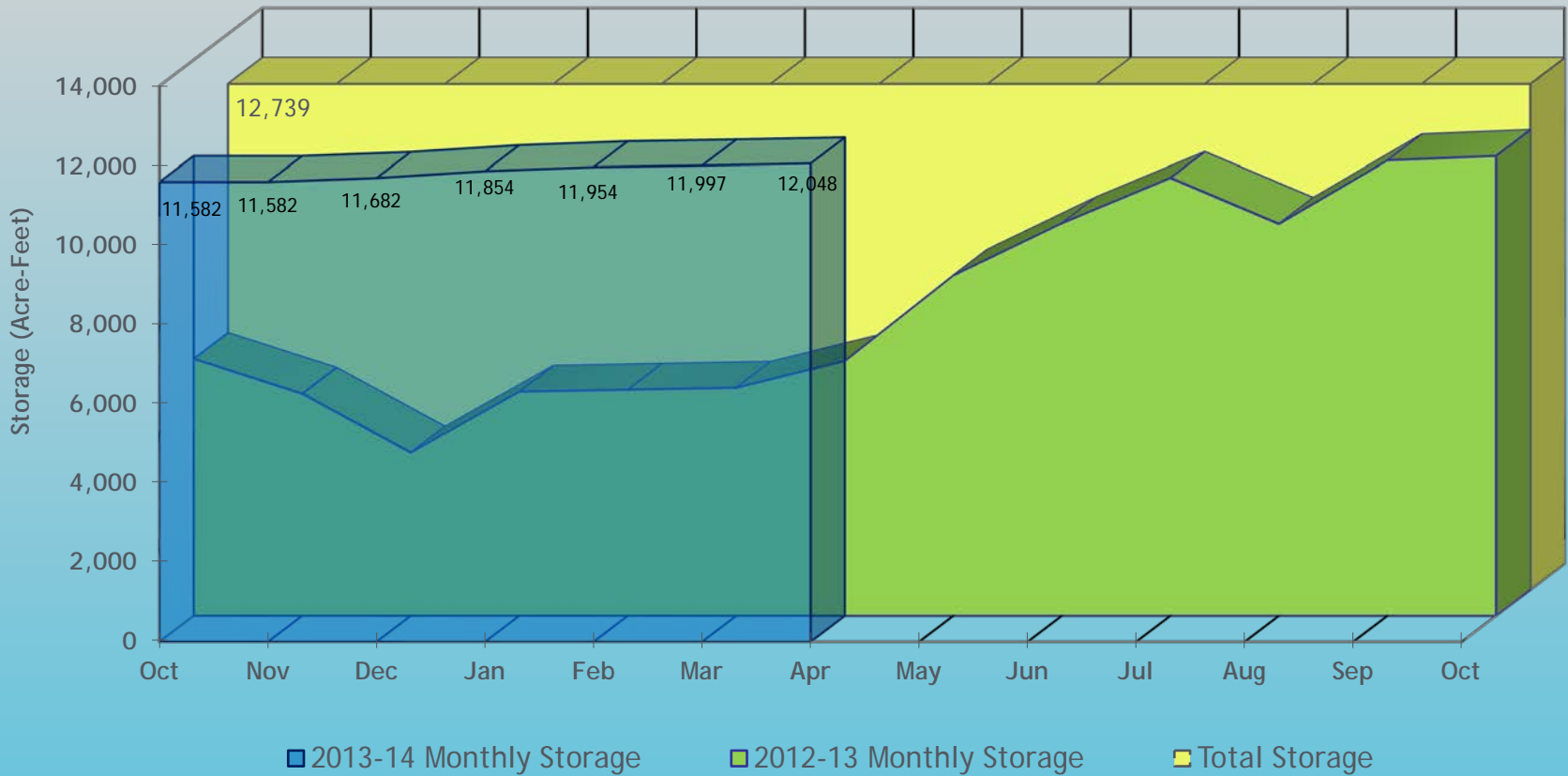
Loveland Greeley Reservoir (District 4, Big Thompson River - Agricultural)



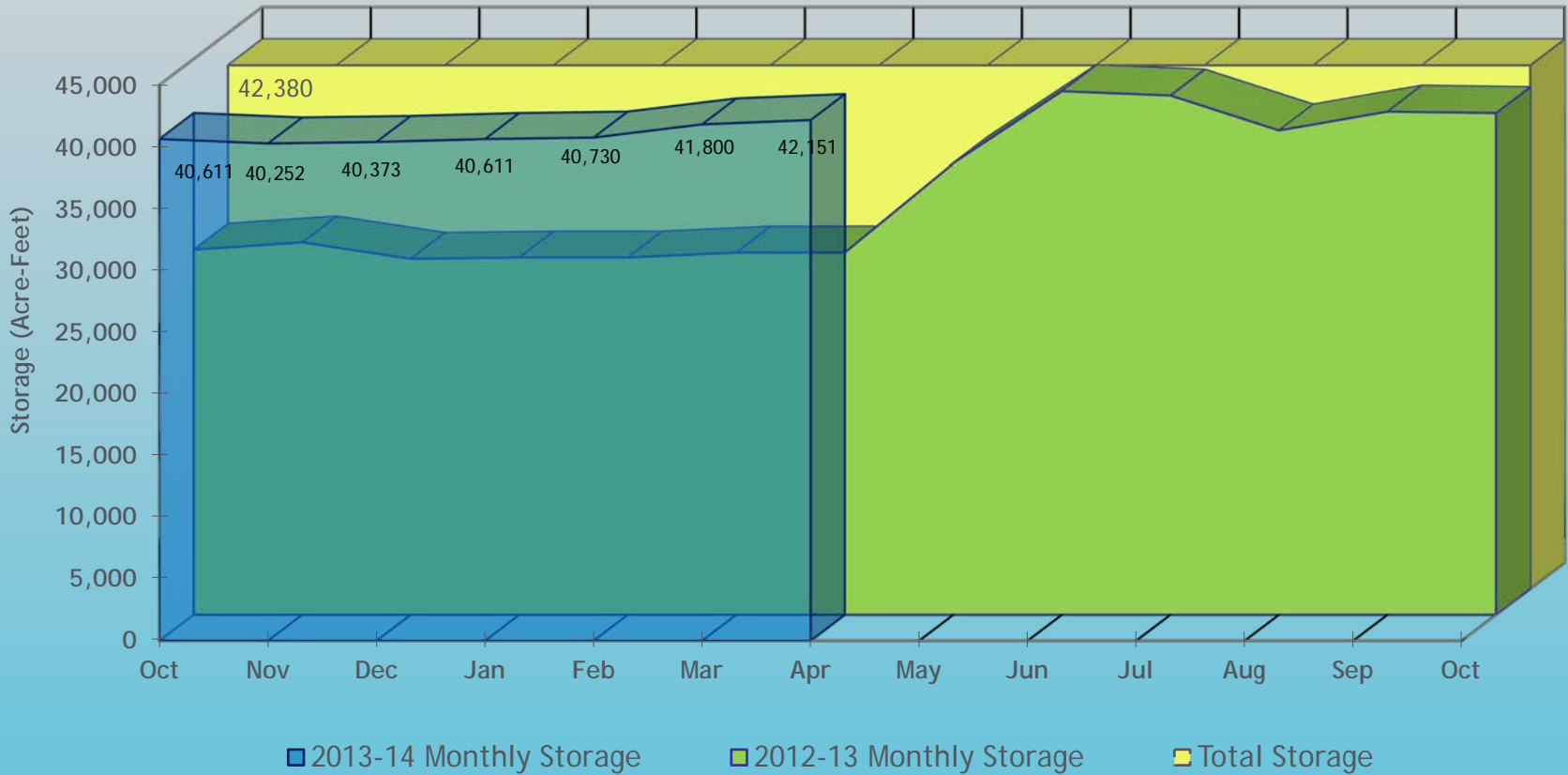
Milton Reservoir (District 2 - Agricultural)



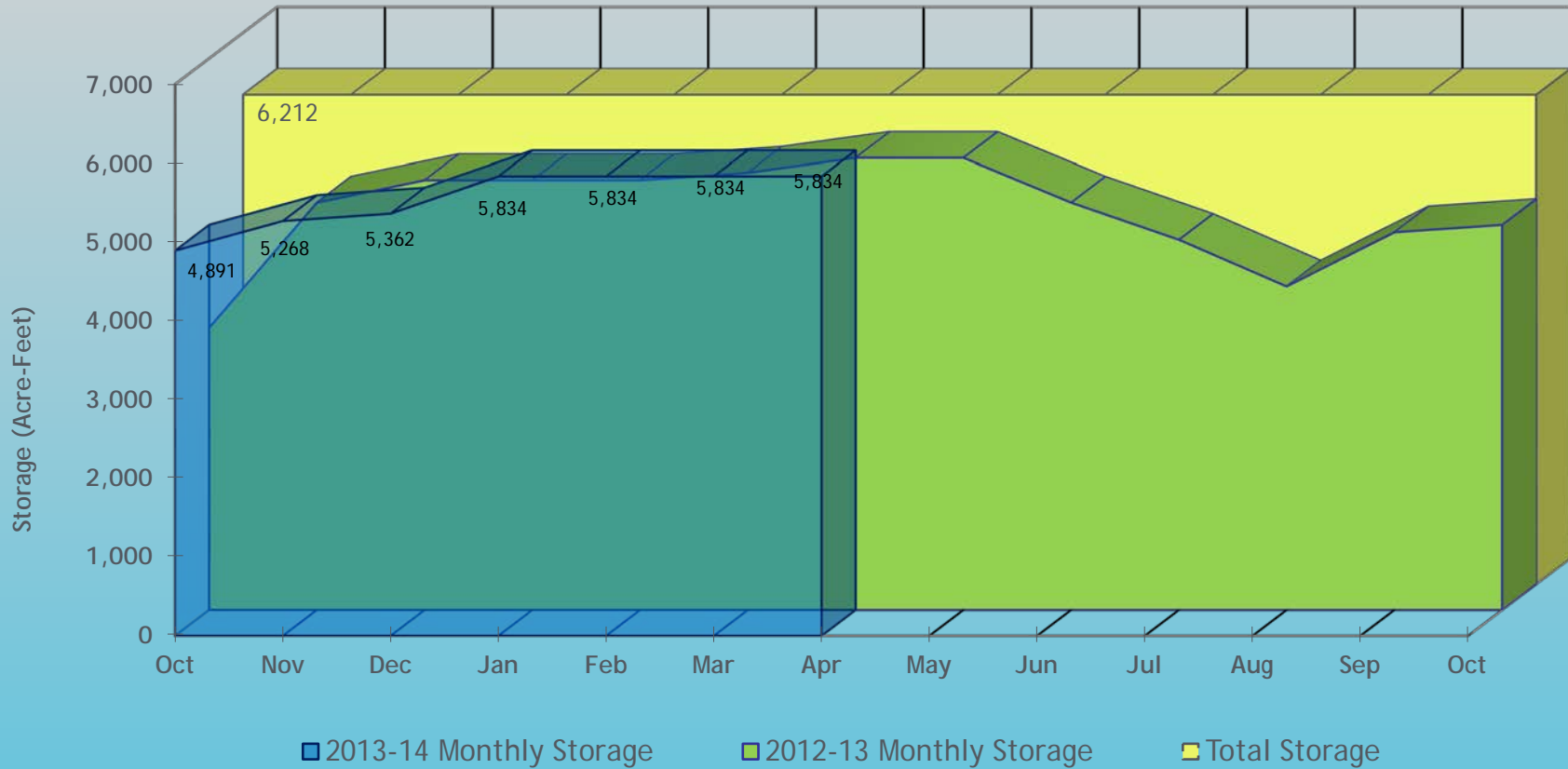
Union Reservoir (District 5, St. Vrain Creek - Agricultural)



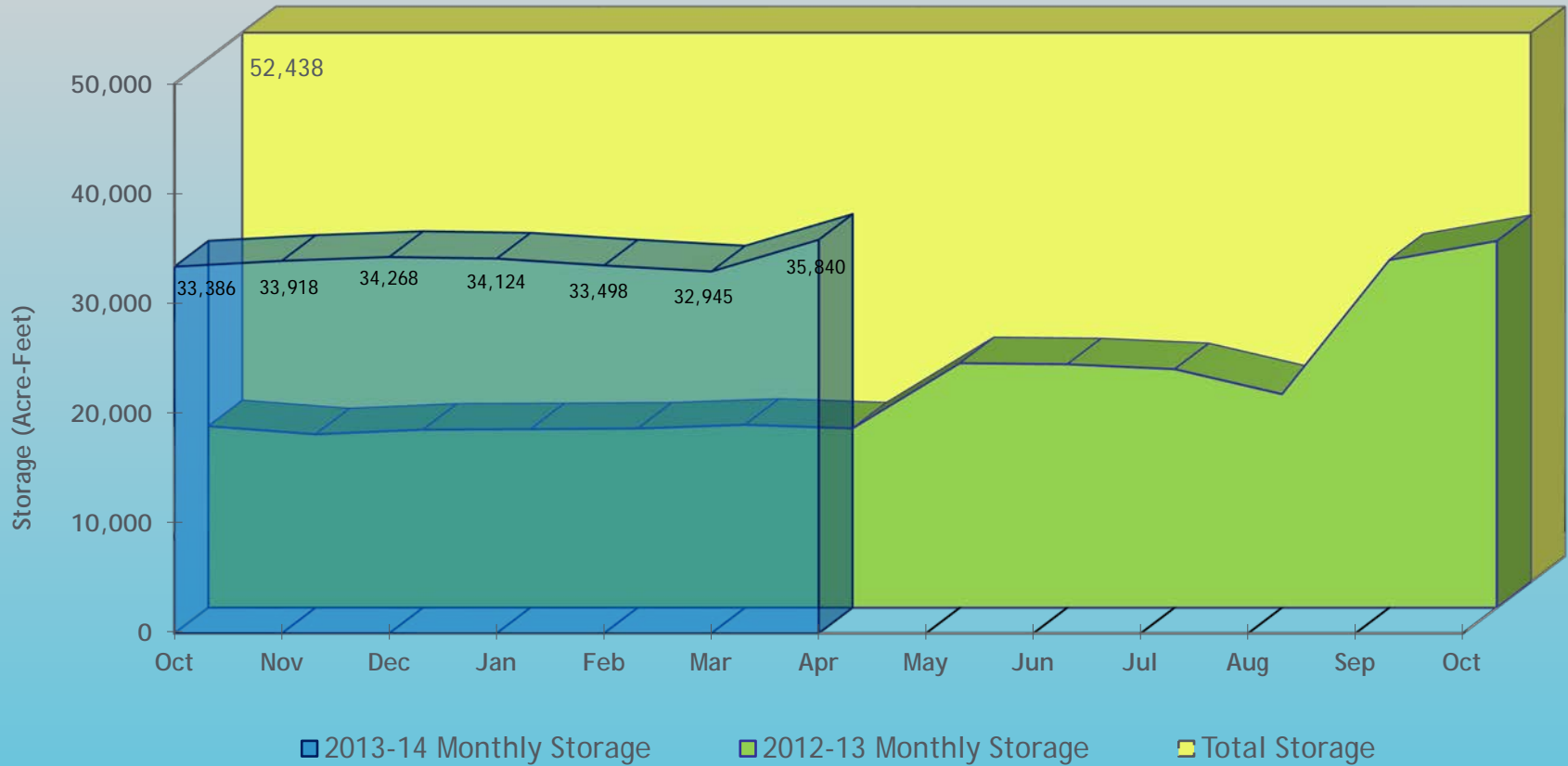
Standley Lake (Agricultural)



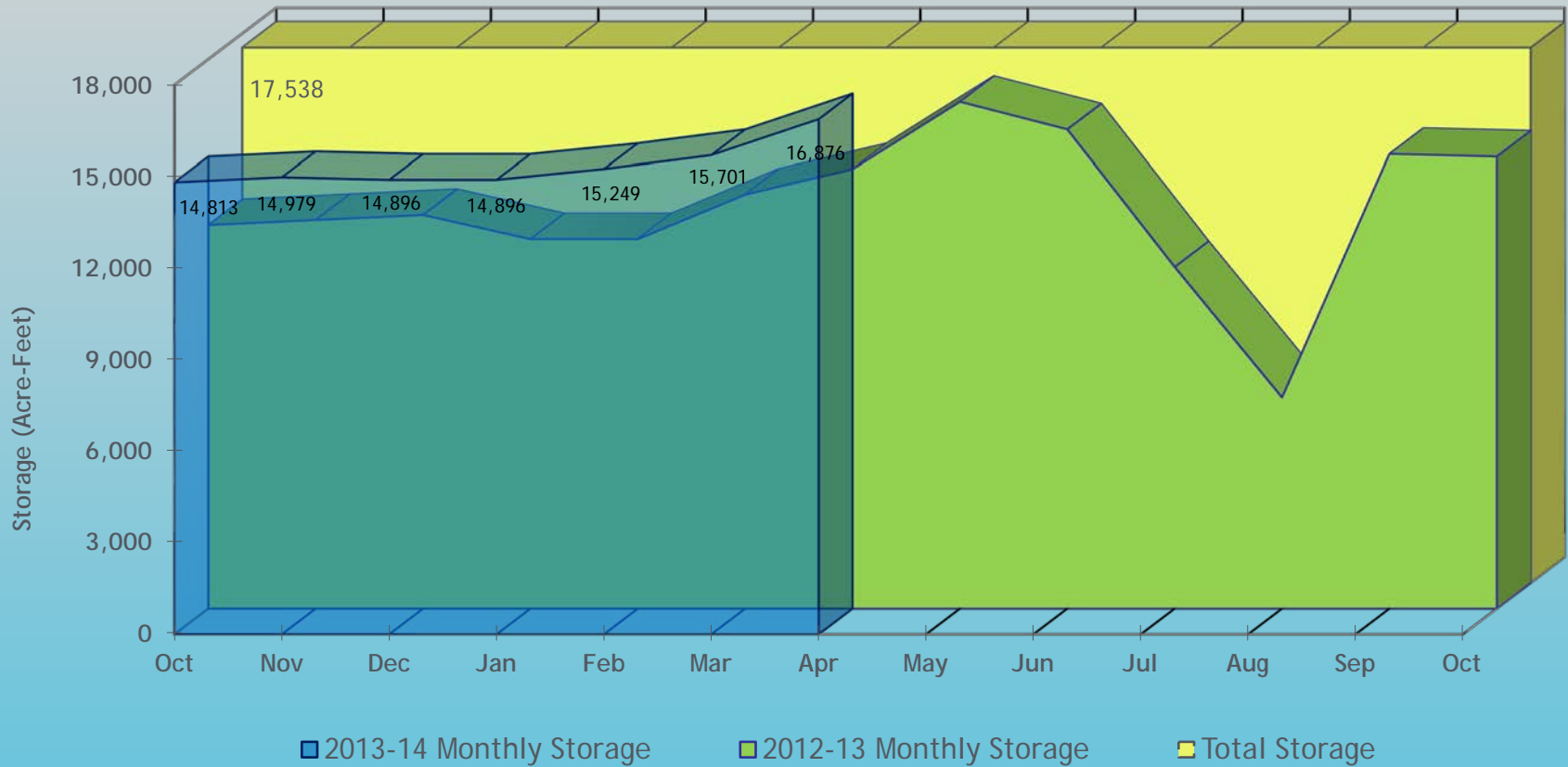
Lower Latham Reservoir (District 2 - Agricultural)



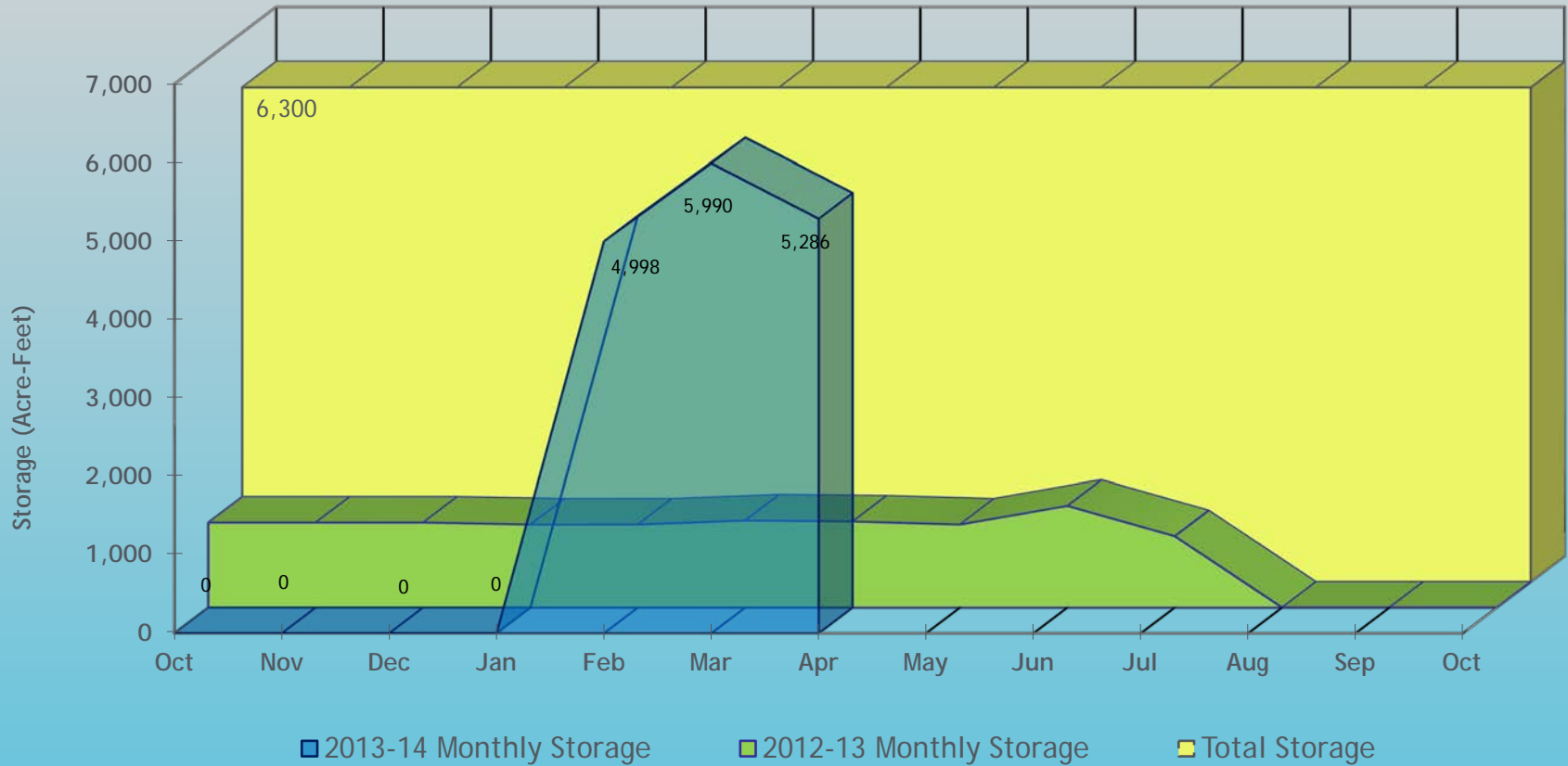
Boyd Lake (District 4, Big Thompson River - Agricultural)



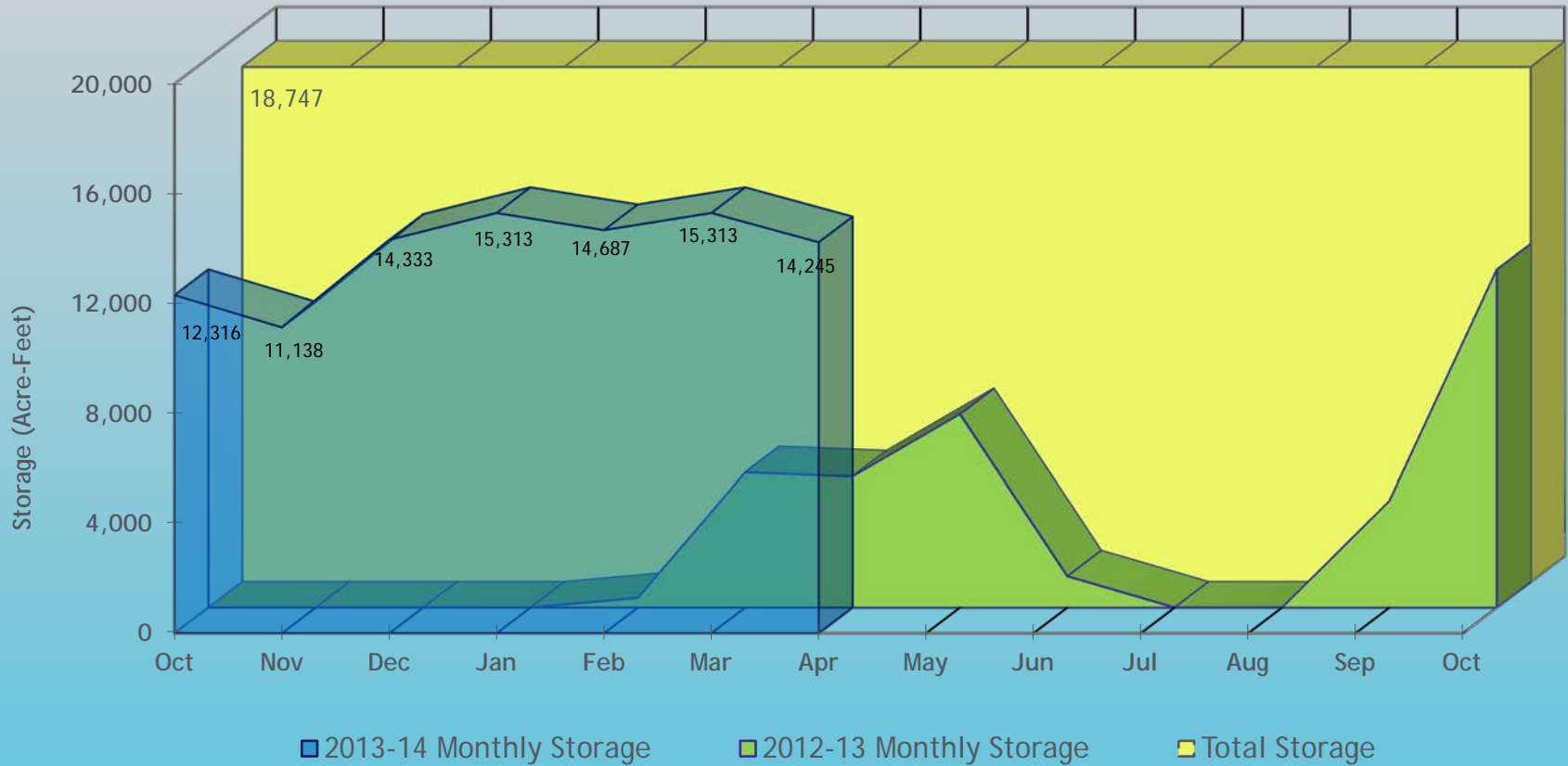
Windsor Reservoir (District 3, Poudre River - Agricultural)



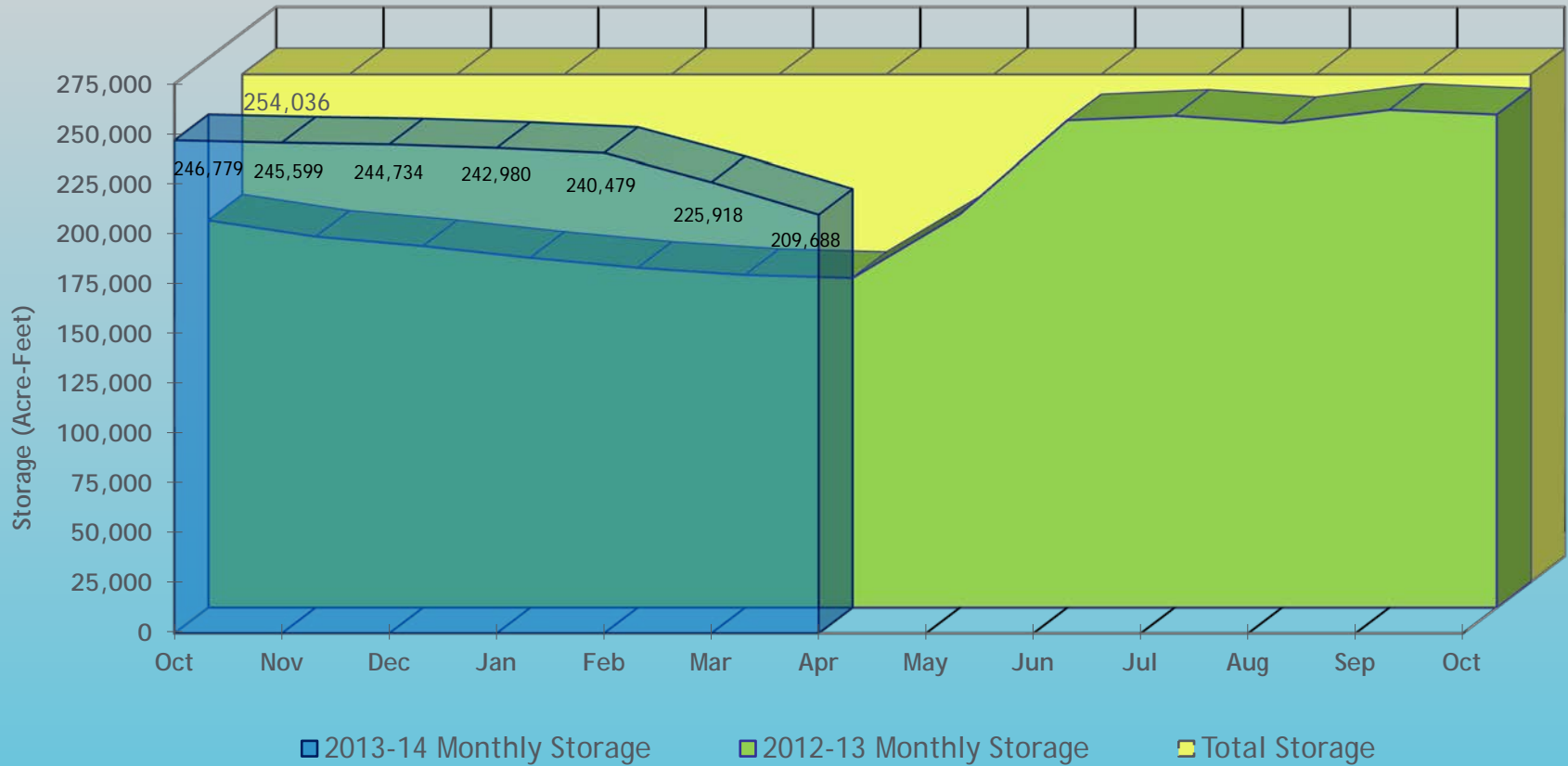
Prospect Reservoir (District 1 - Agricultural)



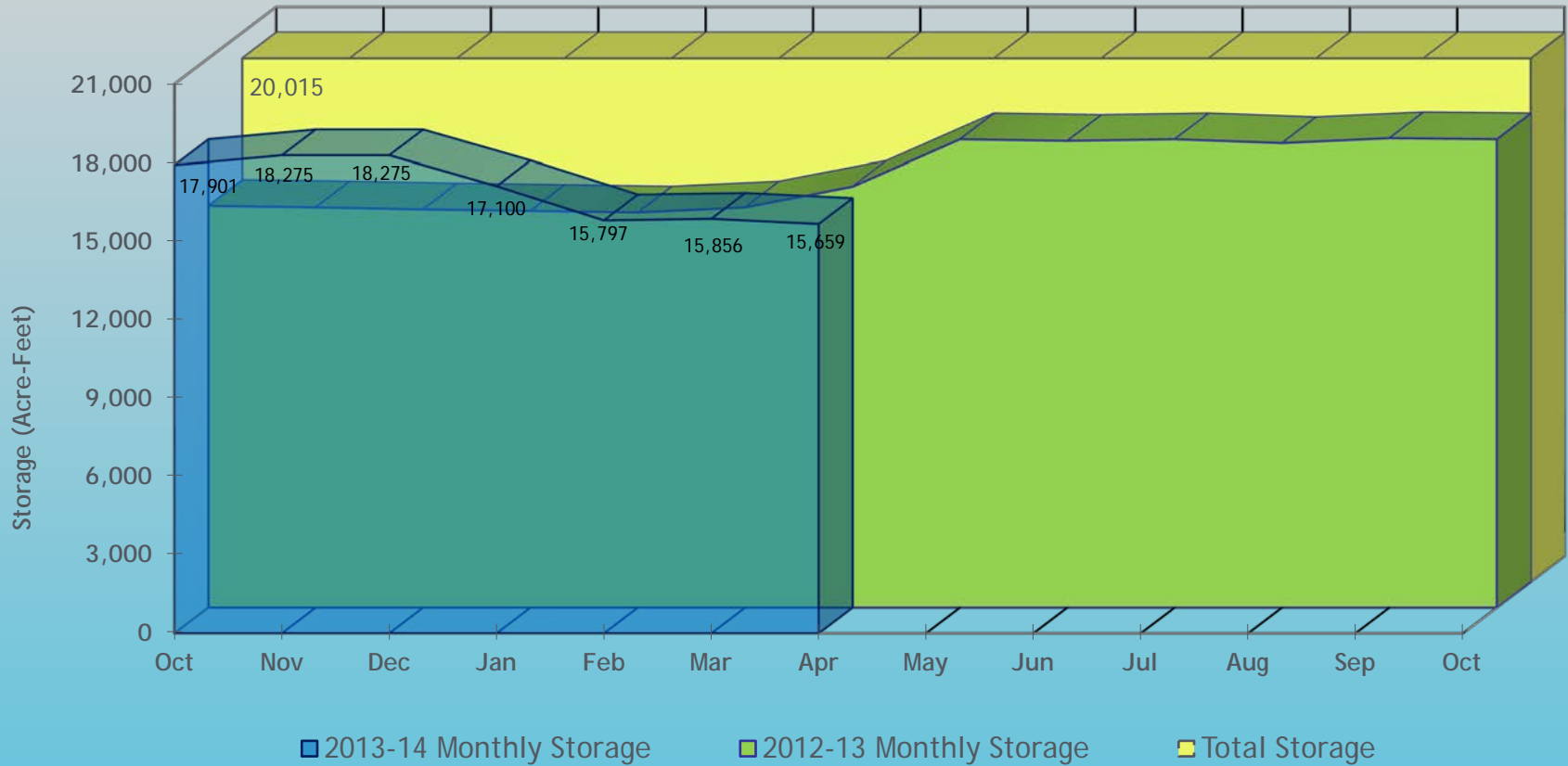
Horse Creek Reservoir (District 1 - Agricultural)



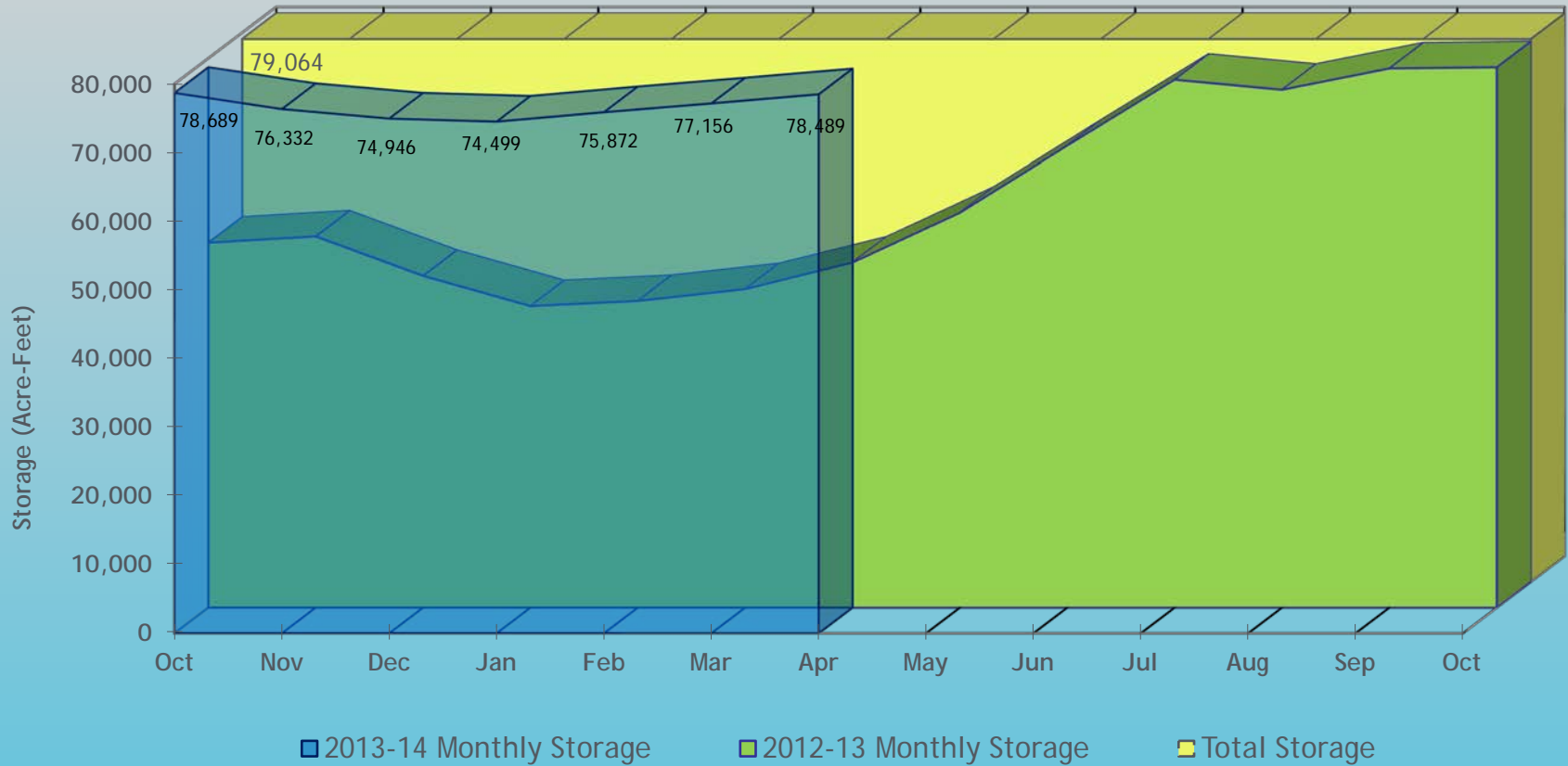
Dillon Reservoir (District 1 - Municipal)



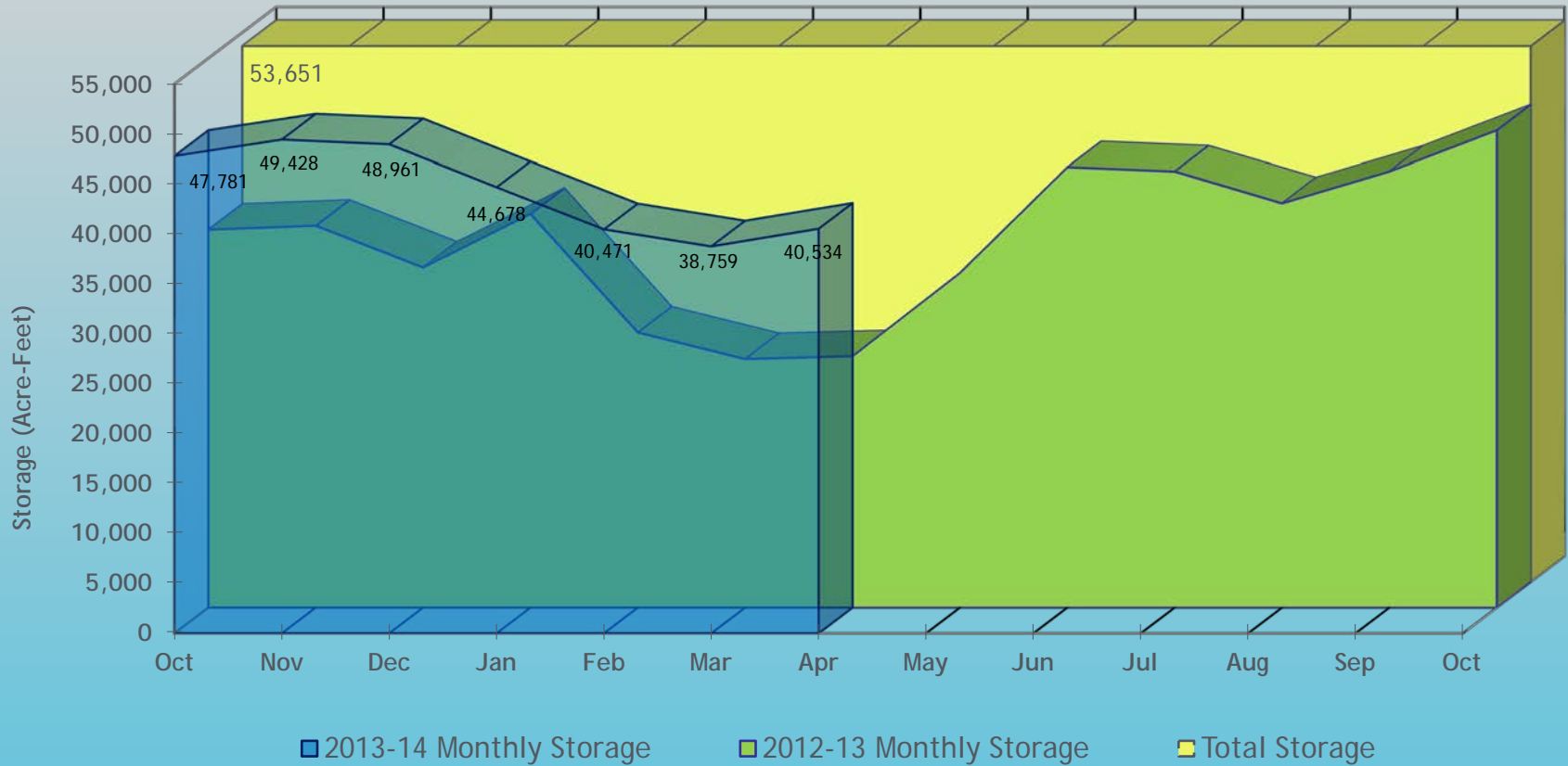
Antero Reservoir (District 23 - Municipal)



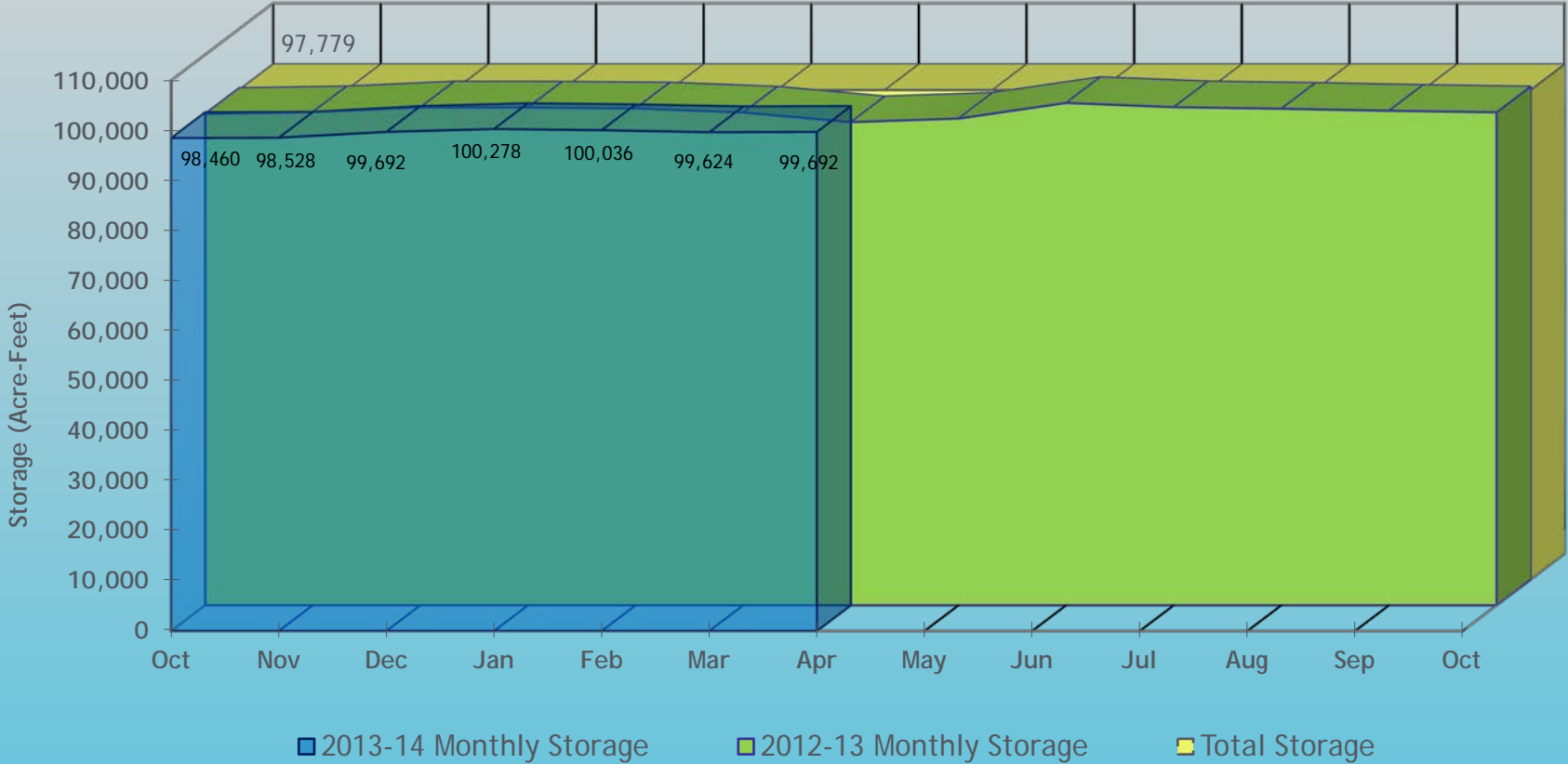
Cheesman Reservoir (District 80 - Municipal)



Spinney Mountain Reservoir (District 23 - Municipal)



Eleven Mile Reservoir (District 23 - Municipal)



Lake Granby

