



COLORADO
Department of Natural Resources

South Platte Summary October 2015

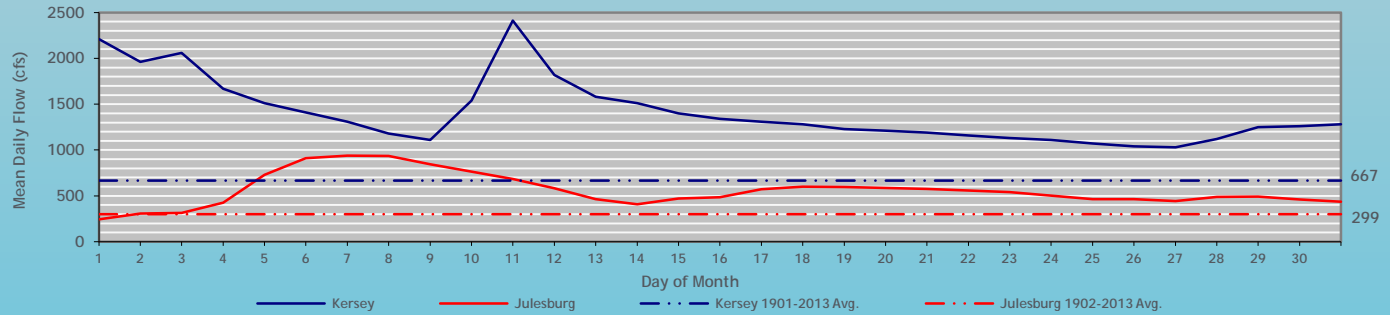
Compiled by Lee Cunning, P.E.

COLORADO DIVISION OF WATER RESOURCES, DIVISION 1

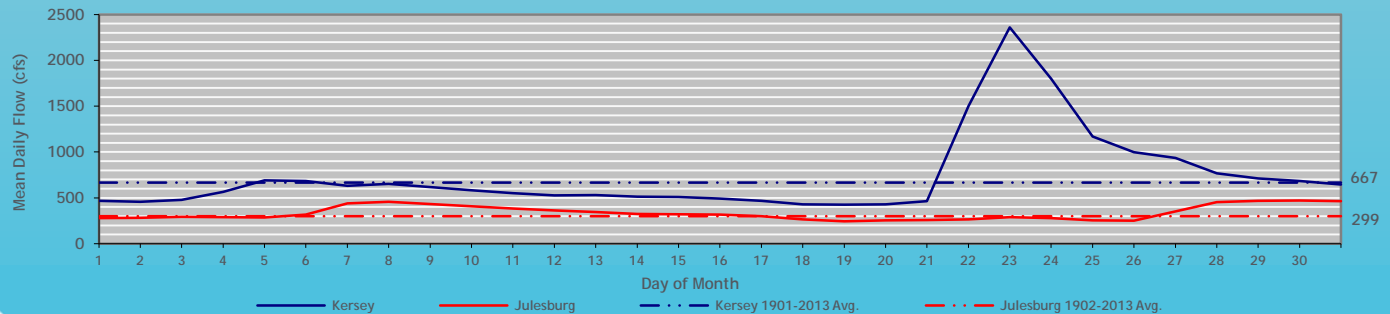
MONTH OF October 2015

| 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 | 11,531 | 17,055 | 64 | 5,524 | 48% | 75% | 80% | 0 |
| N STERLING | 73,730 | 17,838 | 20,933 | 64 | 3,095 | 17% | 28% | 88% | 0 |
| PREWITT | 28,500 | 21,174 | 19,778 | 64 | -1,396 | -7% | 69% | 86% | 0 |
| JACKSON | 27,257 | 20,520 | 20,441 | 1 | -79 | 0% | 75% | 86% | 0 |
| EMPIRE | 37,700 | 20,757 | 18,182 | 1 | -2,575 | -12% | 48% | 54% | 0 |
| RIVERSIDE | 63,113 | 27,821 | 33,064 | 1 | 5,243 | 19% | 52% | 73% | 0 |
| BARR LAKE | 32,152 | 15,825 | 13,439 | 2 | -2,386 | -15% | 42% | 6% | 0 |
| CHEESMAN | 79,064 | 70,440 | 71,602 | 80 | 1,162 | 2% | 91% | 97% | 0 |
| ELEVEN MILE | 97,779 | 100,071 | 99,246 | 23 | -825 | -1% | 100% | 100% | 1,467 |
| SPINNEY | 53,651 | 42,106 | 44,327 | 23 | 2,221 | 5% | 83% | 89% | 0 |
| ANTERO | 20,015 | 14 | 14 | 23 | -1 | -4% | 0% | 80% | 0 |

KERSEY and JULESBURG
October 2014



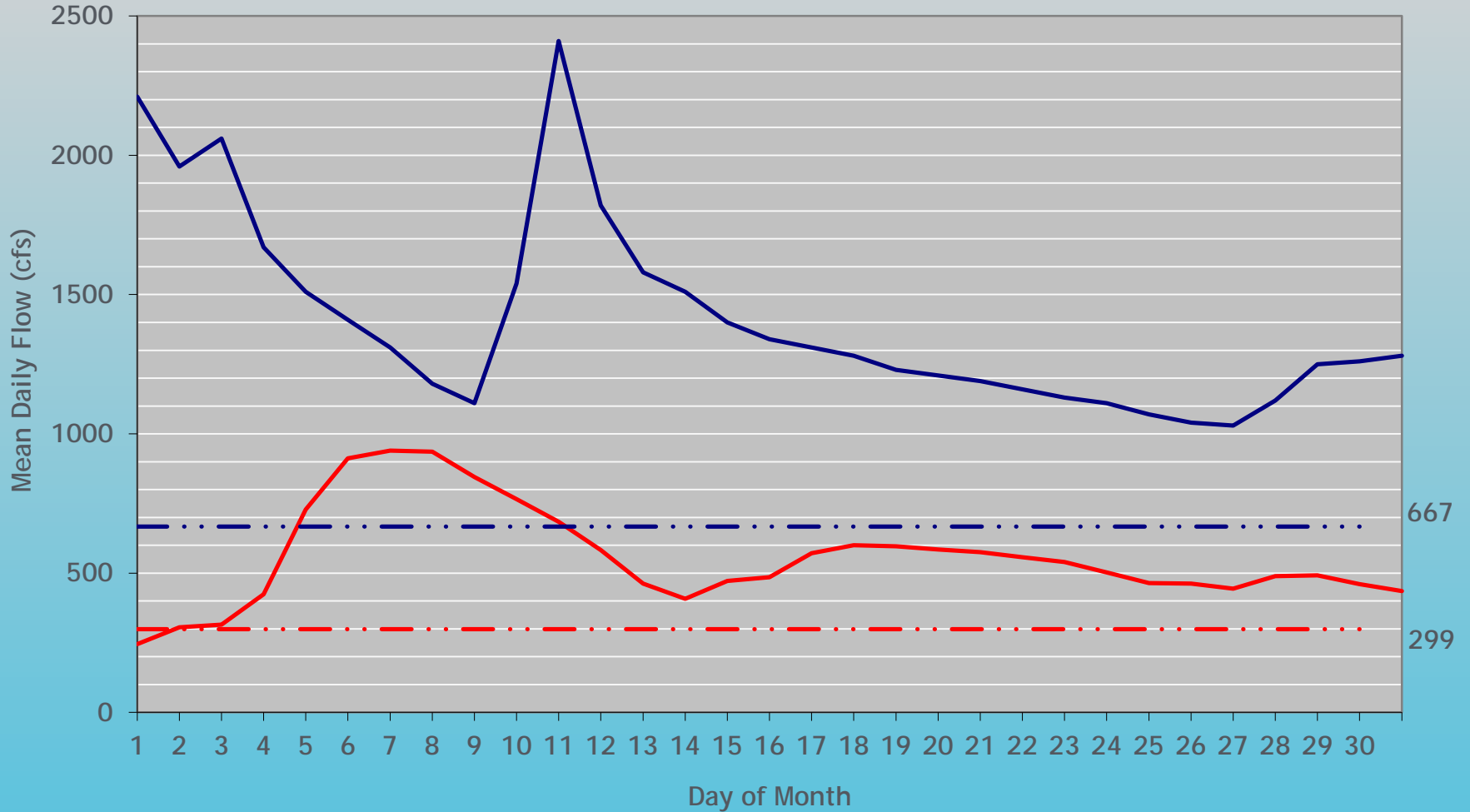
KERSEY and JULESBURG
October 2015



| RIVER GAGES | MEAN DAILY FLOW (CFS) |
|-----------------------------------|-----------------------|
| KERSEY | 734 |
| JULESBURG | 336 |
| THIS MONTH LAST YEAR | |
| KERSEY | 1409 |
| JULESBURG | 558 |
| MEAN FOR PERIOD OF RECORD* | |
| KERSEY | 667 |
| JULESBURG | 299 |

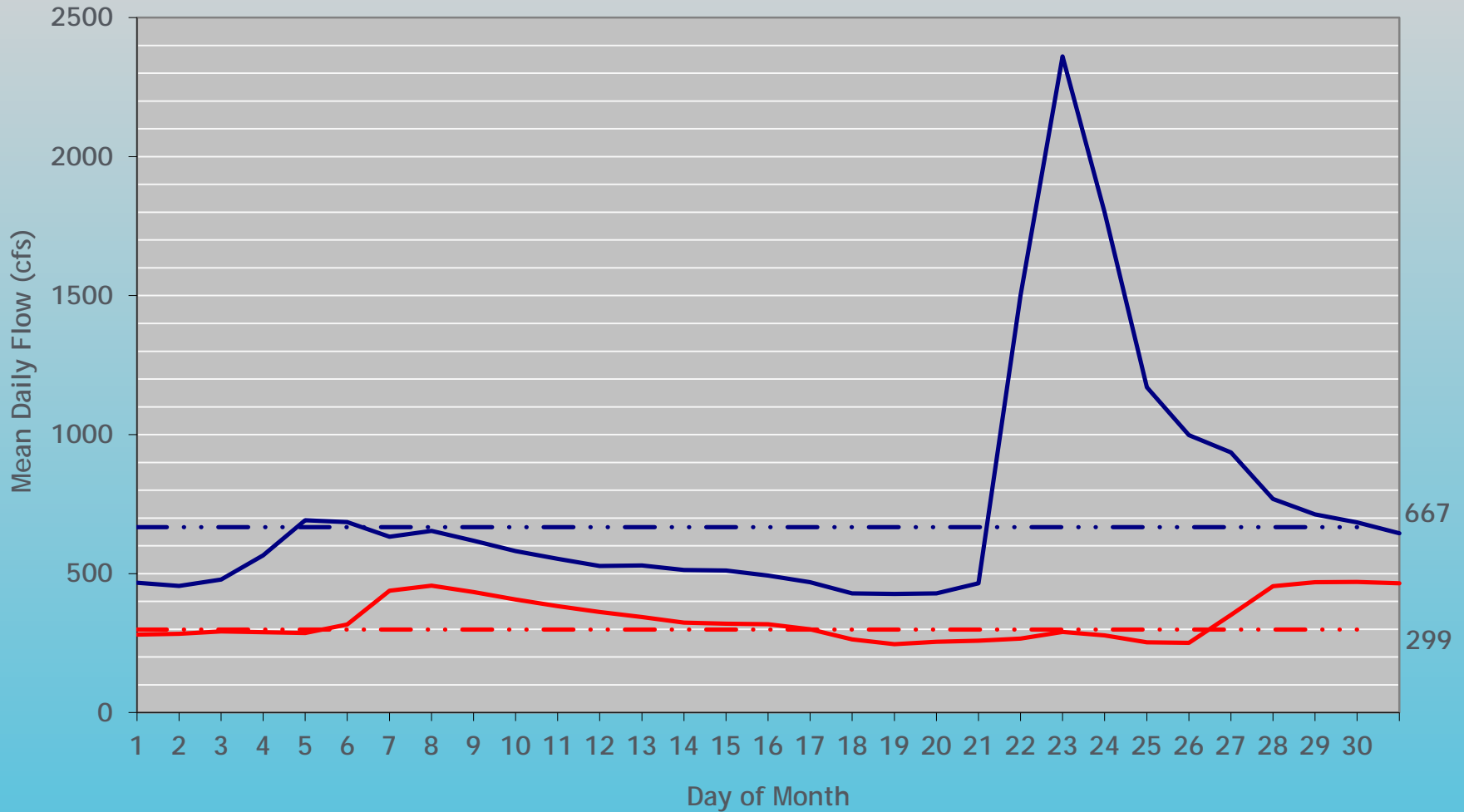
*Kersey 1901 - 2013
*Julesburg 1902 - 2013

KERSEY and JULESBURG October 2014



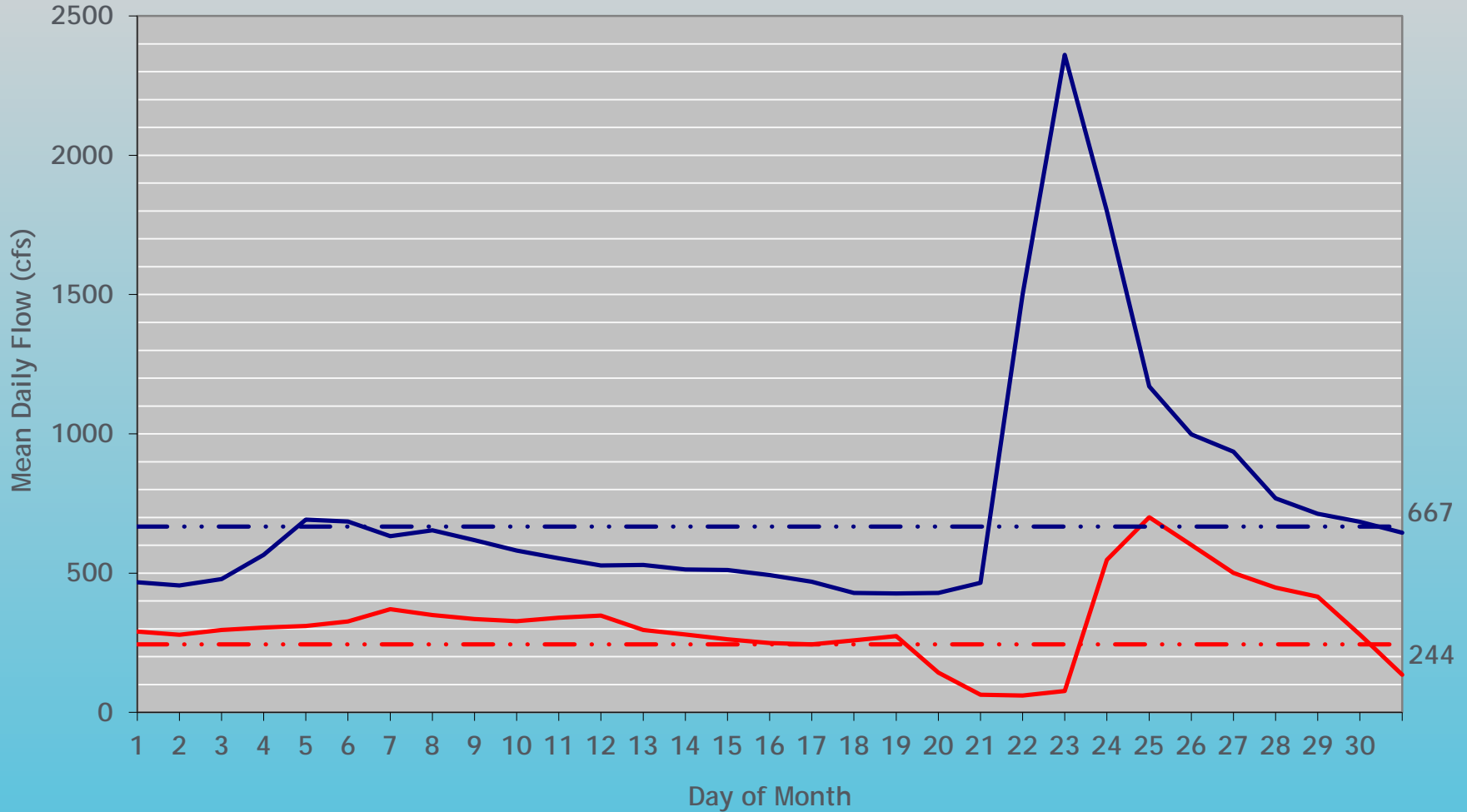
— Kersey — Julesburg — · Kersey 1901-2013 Avg. — · Julesburg 1902-2013 Avg.

KERSEY and JULESBURG October 2015



— Kersey — Julesburg — • Kersey 1901-2013 Avg. — • Julesburg 1902-2013 Avg.

KERSEY and BALZAC October 2015



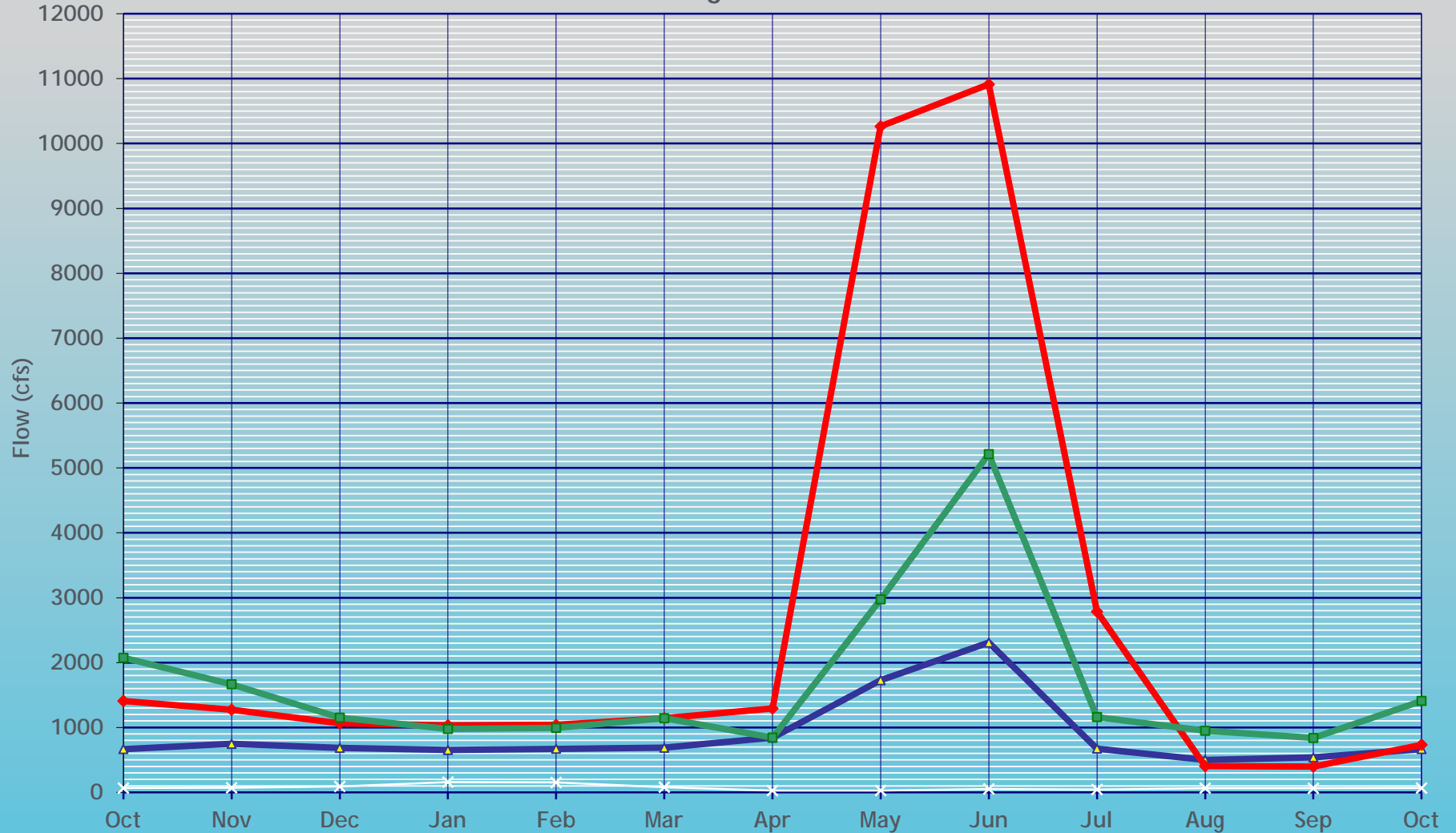
— Kersey — Balzac — • Kersey 1901-2013 Avg. — • Balzac 1917-2013 Avg.

South Platte River Monthly Stream Flow (cfs) Statistics

| South Platte River at Kersey | | | | | | | South Platte River at Julesburg | | | | | | |
|------------------------------|------------------------|-----------------------|------|-----------------------|------|------------------------------------|---------------------------------|------------------------|-----------------------|------|-----------------------|------|------------------------------------|
| Month | Historic* Mean Flow | Historic* Max Flow | Year | Historic* Min Flow | Year | IY 2015 Mean Monthly Flow | Month | Historic* Mean Flow | Historic* Max Flow | Year | Historic* Min Flow | Year | IY 2015 Mean Monthly Flow |
| Oct | 667 | 6180 | 1984 | 66 | 1954 | 1409 | Oct | 299 | 3130 | 1984 | 4.2 | 1903 | 558 |
| Nov | 747 | 3650 | 1984 | 70 | 1934 | 1273 | Nov | 335 | 2900 | 1984 | 4.2 | 1903 | 1443 |
| Dec | 685 | 1890 | 1961 | 91 | 1934 | 1064 | Dec | 401 | 1820 | 1984 | 13 | 2002 | 1755 |
| Jan | 652 | 2160 | 1974 | 158 | 1935 | 1034 | Jan | 512 | 2510 | 1970 | 21 | 2003 | 1913 |
| Feb | 671 | 3060 | 1914 | 152 | 1935 | 1039 | Feb | 578 | 3220 | 1930 | 29 | 2005 | 987 |
| Mar | 688 | 3470 | 1983 | 80 | 1935 | 1143 | Mar | 512 | 12900 | 1910 | 15 | 1904 | 517 |
| Apr | 842 | 18100 | 1942 | 28 | 1955 | 1293 | Apr | 514 | 14400 | 1942 | 4.0 | 1904 | 366 |
| May | 1728 | 26100 | 1973 | 29 | 1955 | 10263 | May | 994 | 18100 | 1973 | 12 | 1911 | 9662 |
| Jun | 2308 | 31000 | 1921 | 52 | 1954 | 10912 | Jun | 1426 | 30800 | 1921 | 2.0 | 1910 | 12249 |
| Jul | 675 | 12600 | 1983 | 44 | 1955 | 2785 | Jul | 311 | 12600 | 1983 | 0.0 | 1903 | 2481 |
| Aug | 501 | 9690 | 1951 | 65 | 1934 | 404 | Aug | 178 | 8920 | 1968 | 0.0 | 1903 | 338 |
| Sep | 539 | 14200 | 1938 | 62 | 1940 | 398 | Sep | 284 | 7130 | 1938 | 2.0 | 1902 | 193 |
| Oct | 667 | 6180 | 1984 | 66 | 1954 | 734 | Oct | 299 | 3130 | 1984 | 4.2 | 1903 | 336 |
| *Period of record 1902-2013 | | | | | | | *Period of record 1902-2013 | | | | | | |

South Platte River at Kersey

Irrigation Year

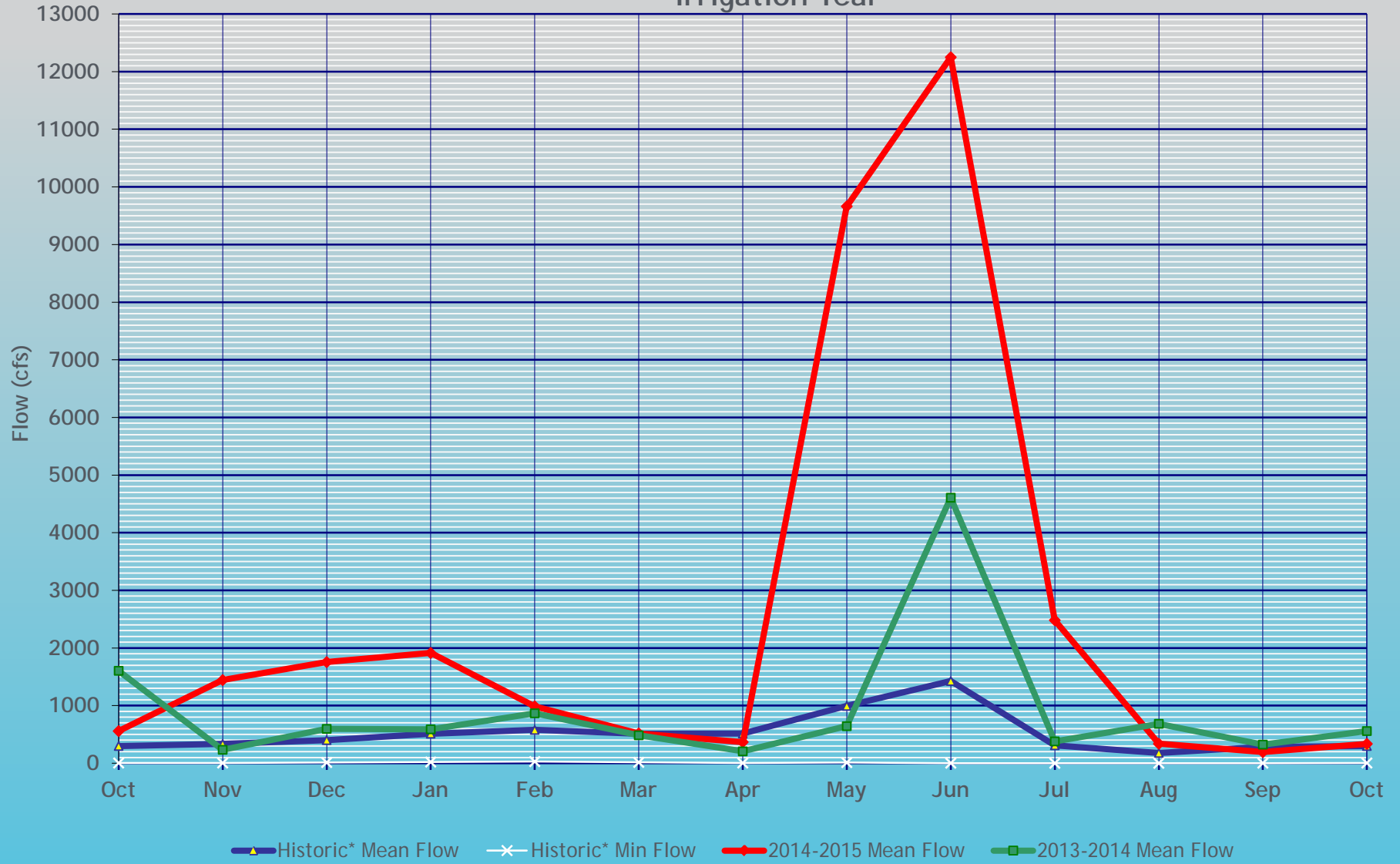


Historic* Mean Flow Historic* Min Flow 2014-2015 Mean Flow 2013-2014 Mean Flow

*1901-2013

South Platte River at Julesburg

Irrigation Year



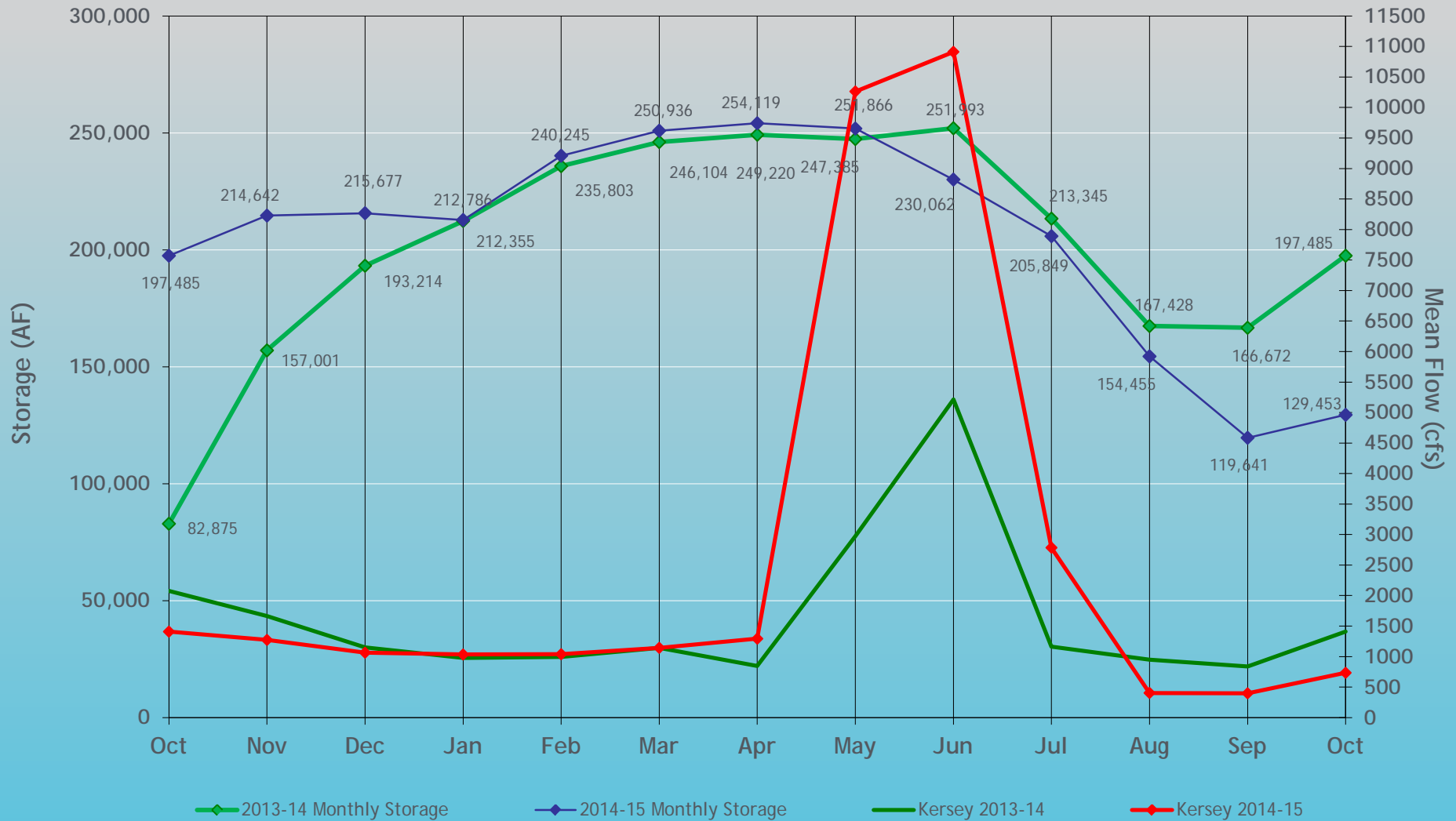
Historic* Mean Flow Historic* Min Flow 2014-2015 Mean Flow 2013-2014 Mean Flow

*1901-2013



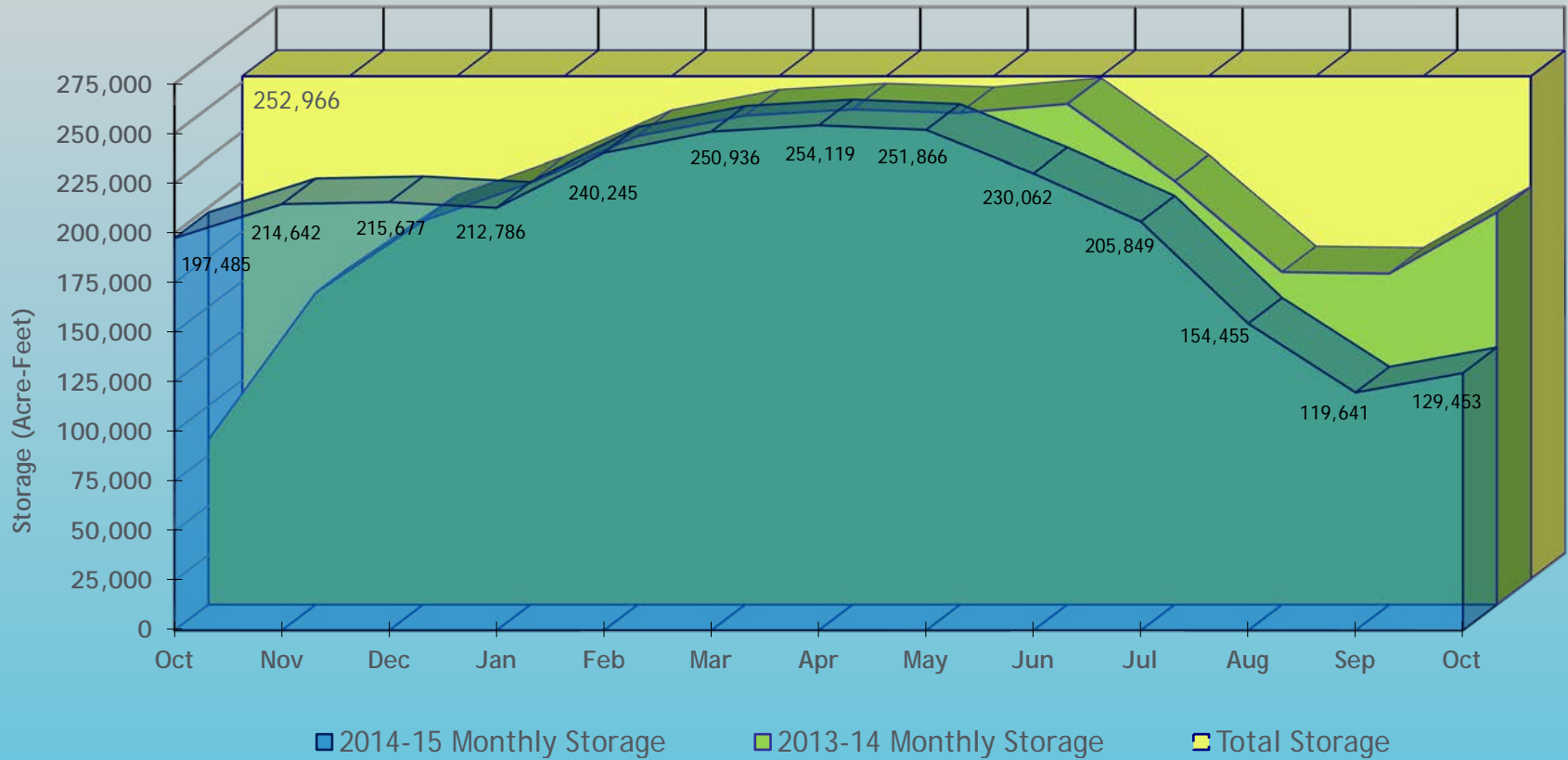
Reservoir Storage below Kersey

Selected Reservoirs*



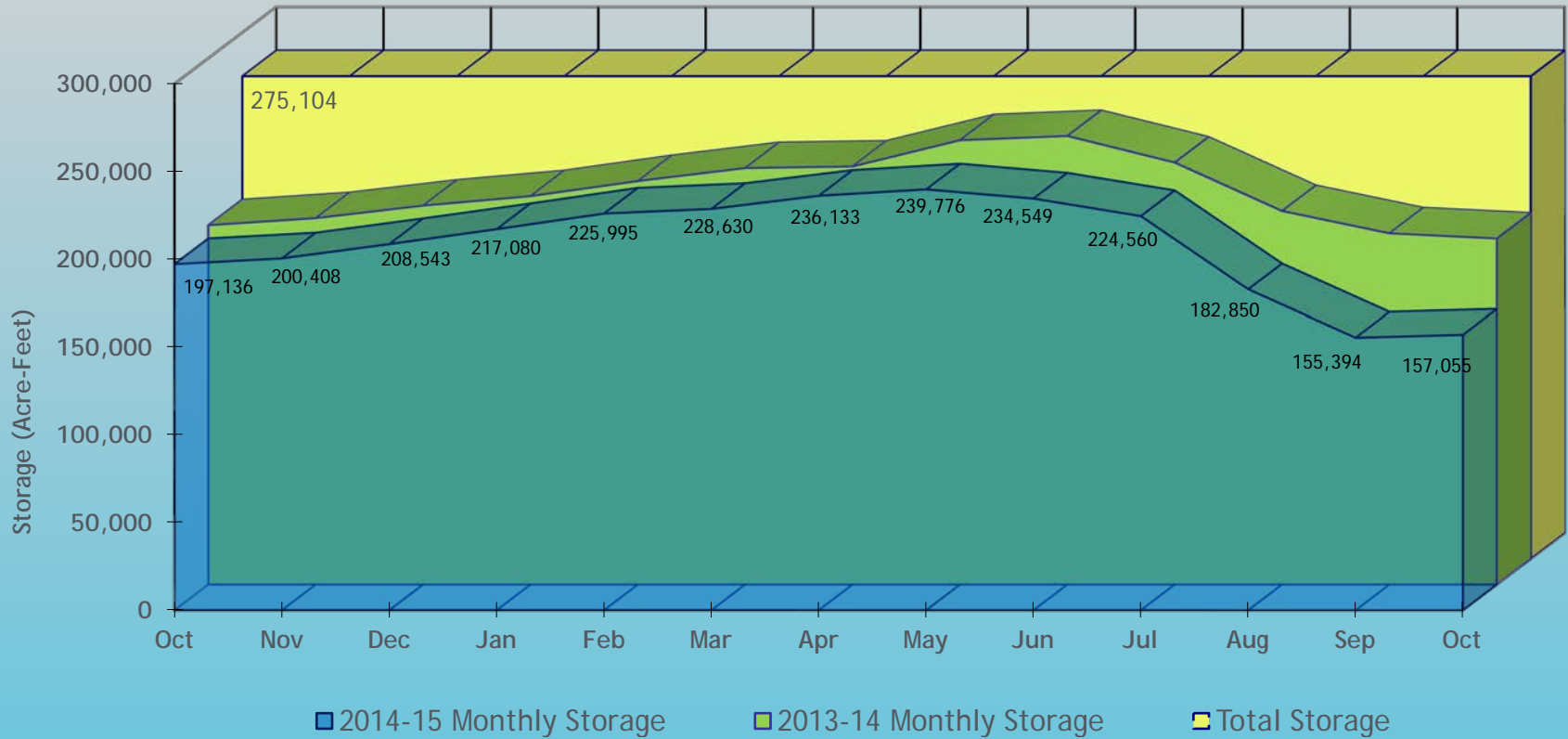
*Empire, Riverside, Jackson, Prewitt, North Sterling, & Julesburg

South Platte Reservoir Storage below Kersey*



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

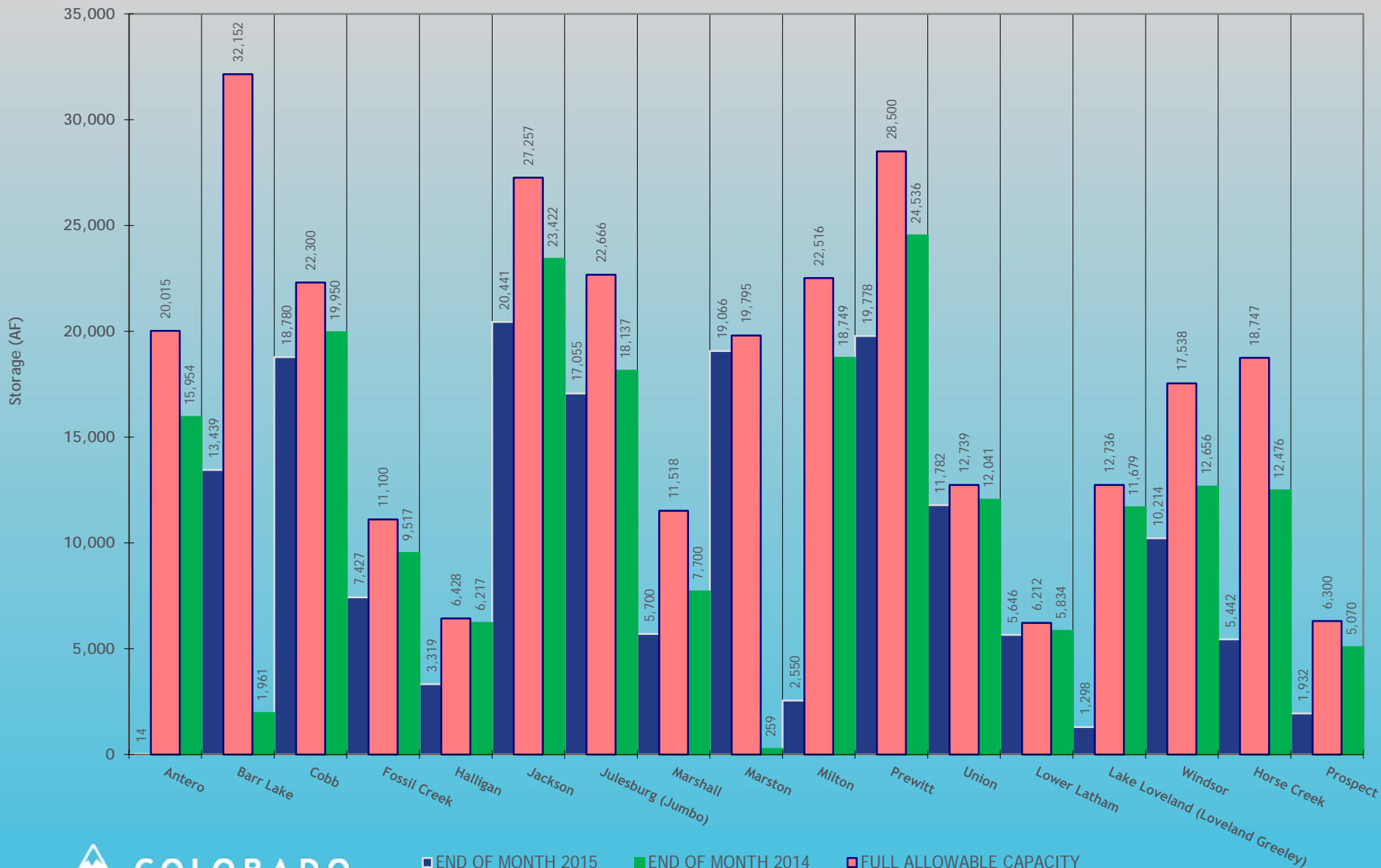
South Platte Reservoir Storage above Kersey*



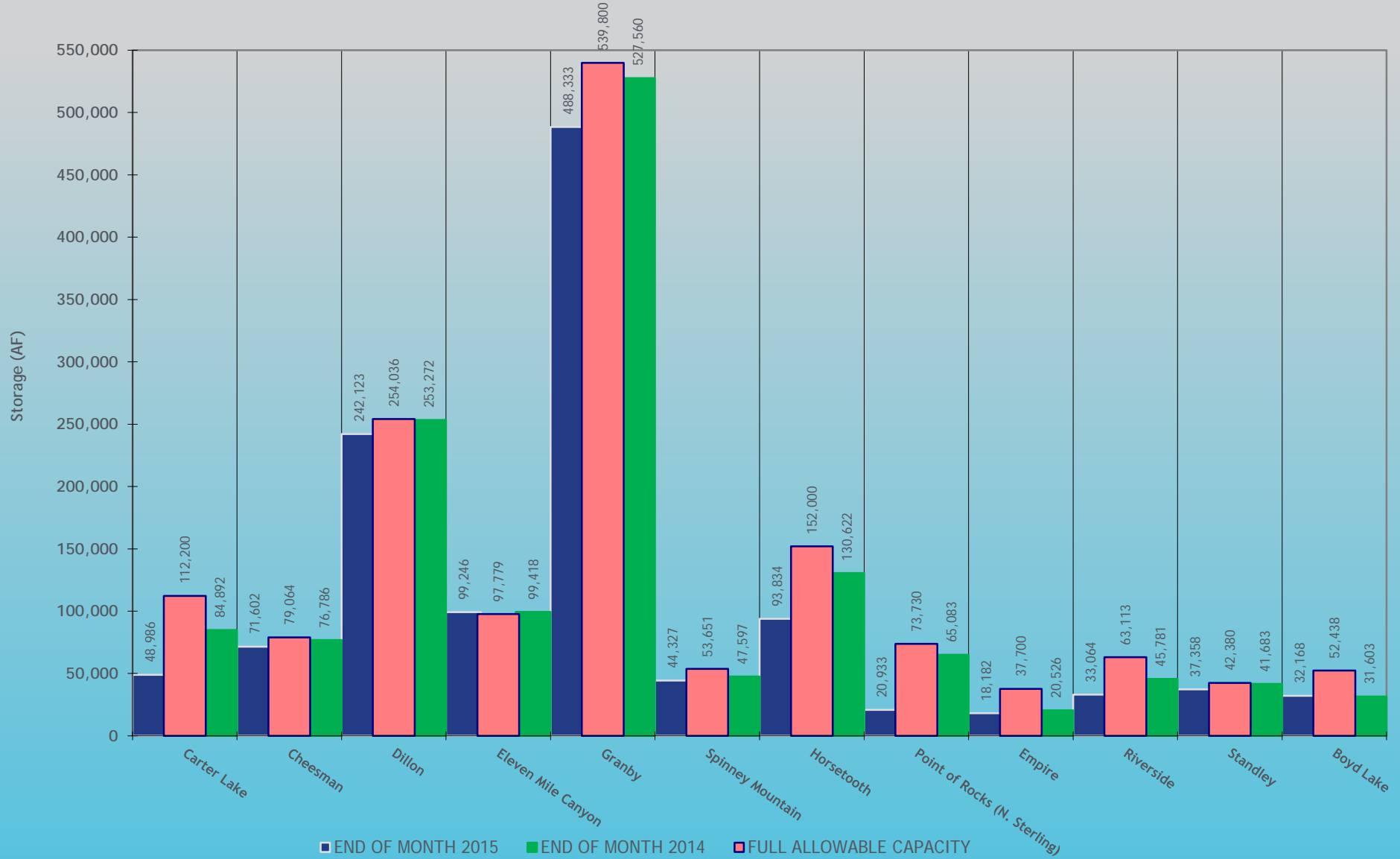
*Barr, Cobb, Fossil Crk, Halligan, Marshall, Milton, Union, Standley, Lower Latham, Boyd, Loveland, Windsor, Horse Crk, & Prospect



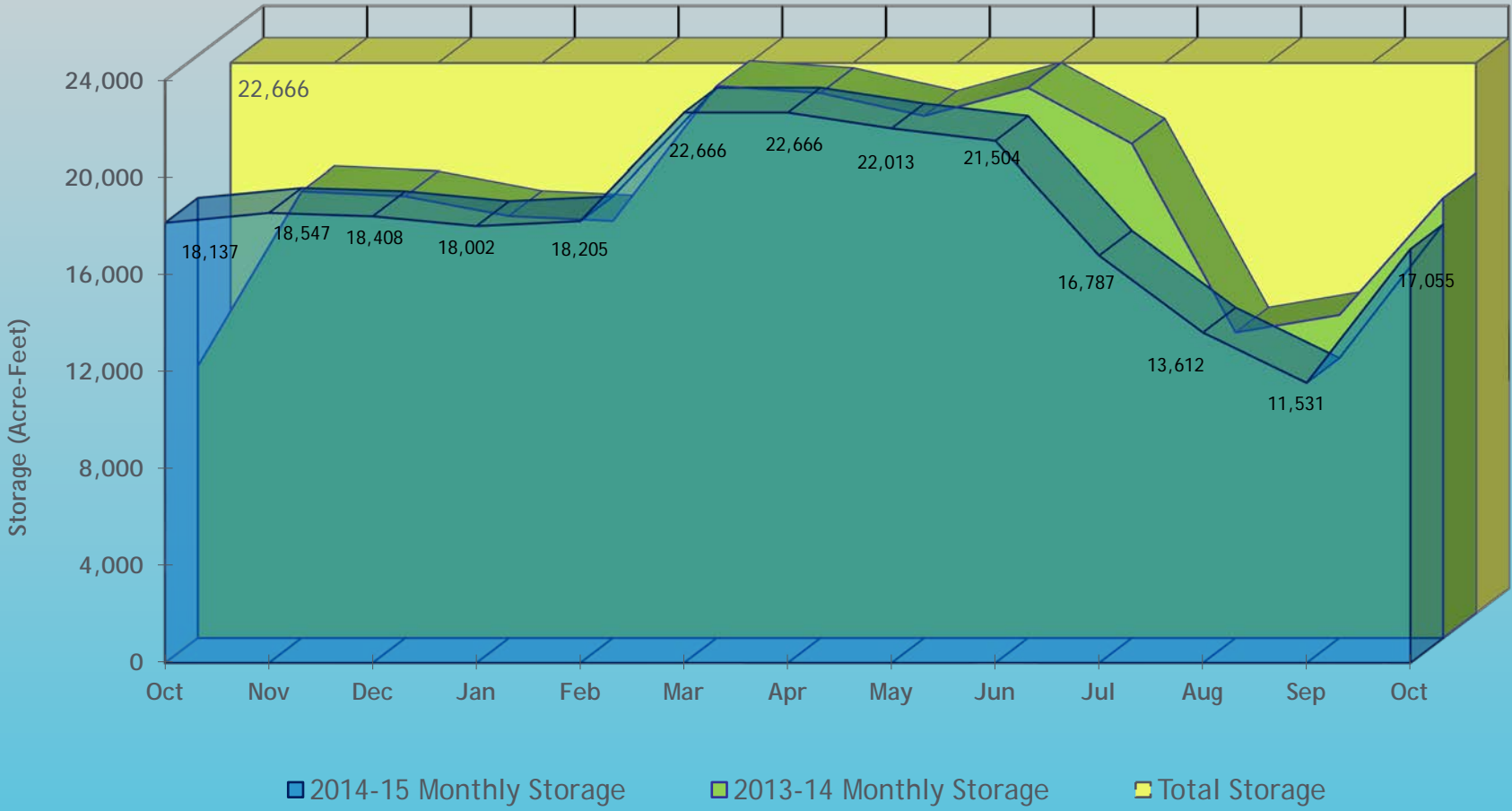
October Reservoir Change in Storage 2014 versus 2015



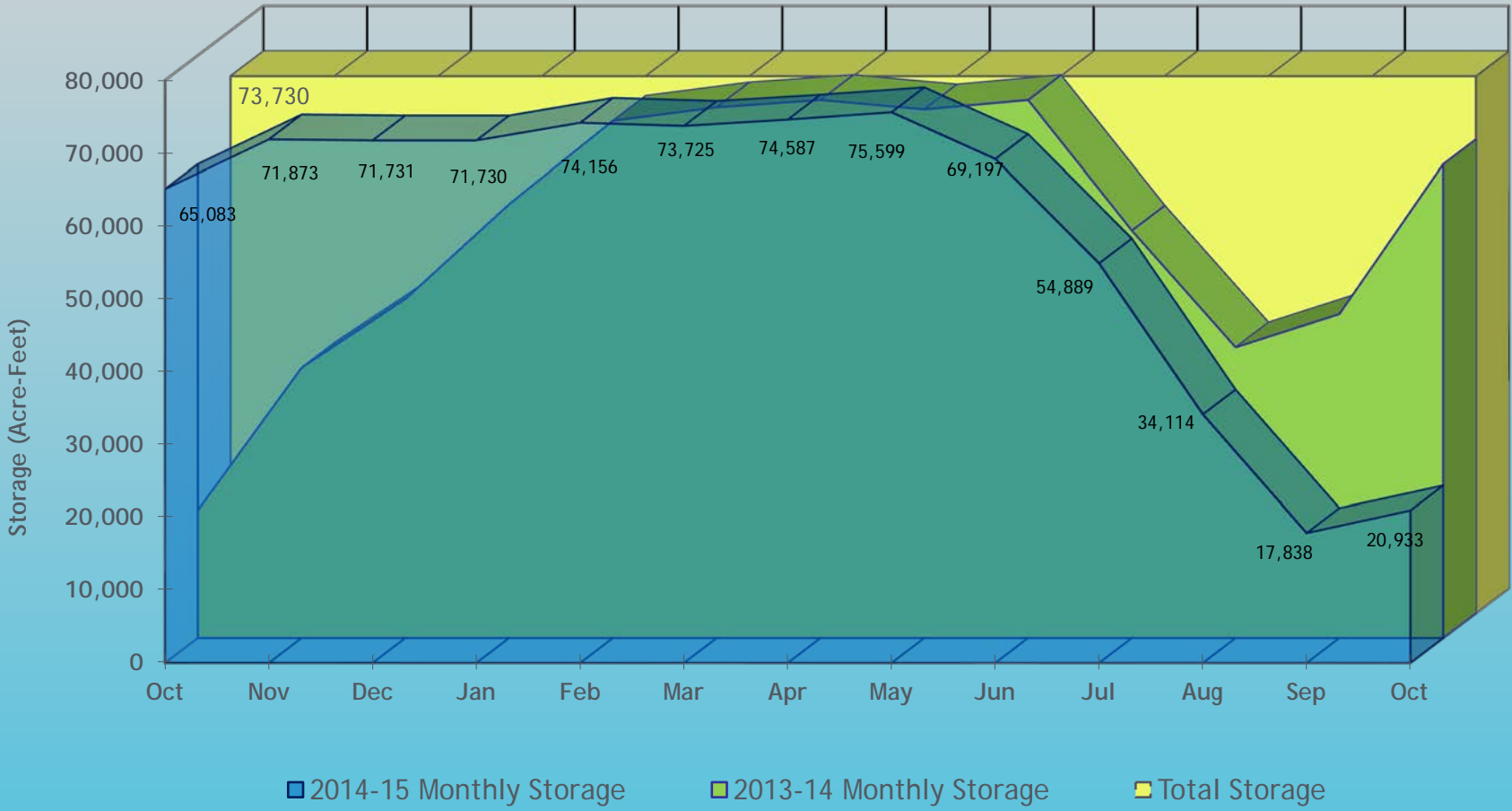
October Reservoir Change in Storage 2014 versus 2015



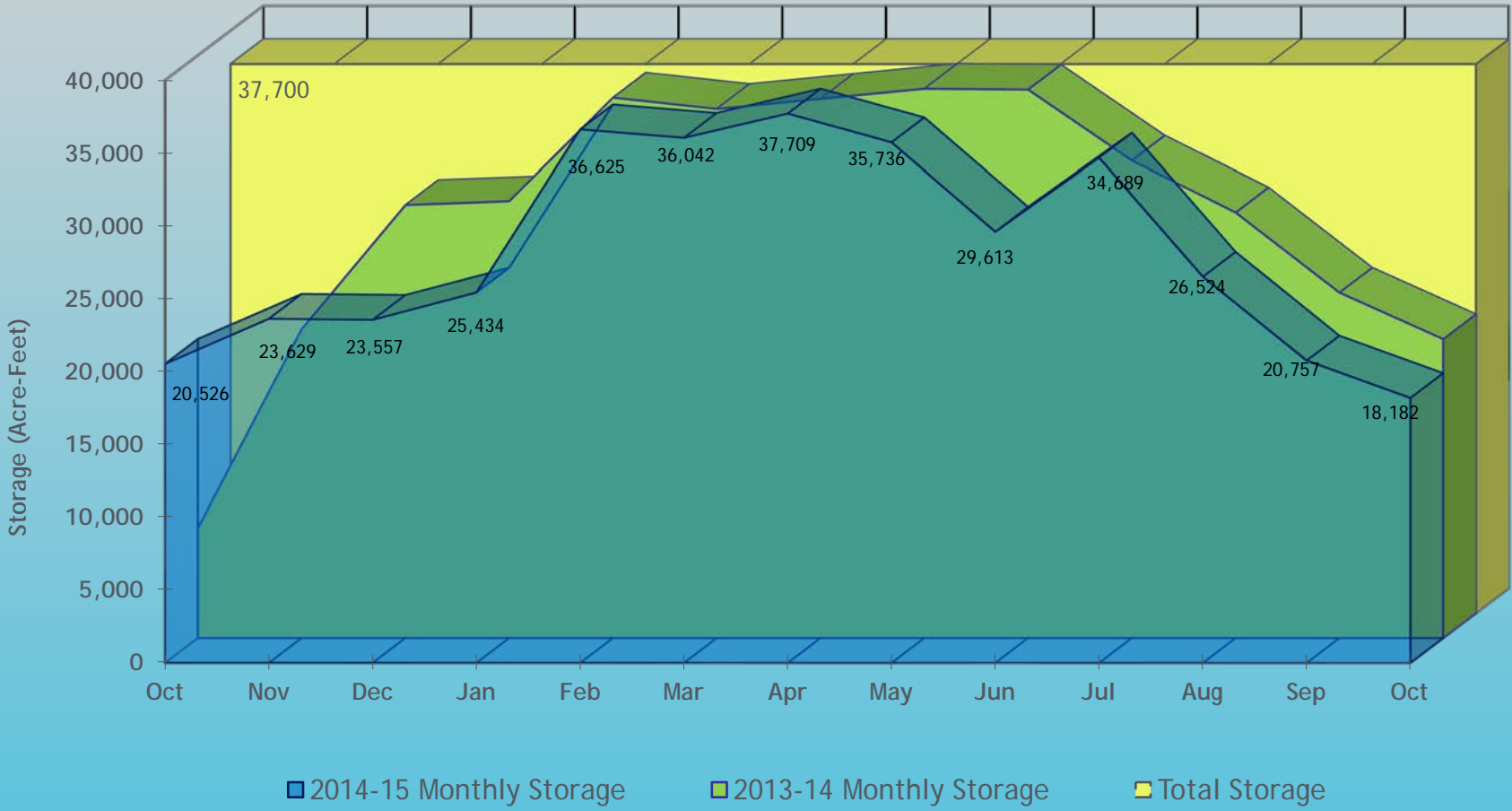
Julesburg Reservoir (District 64 - Agricultural)



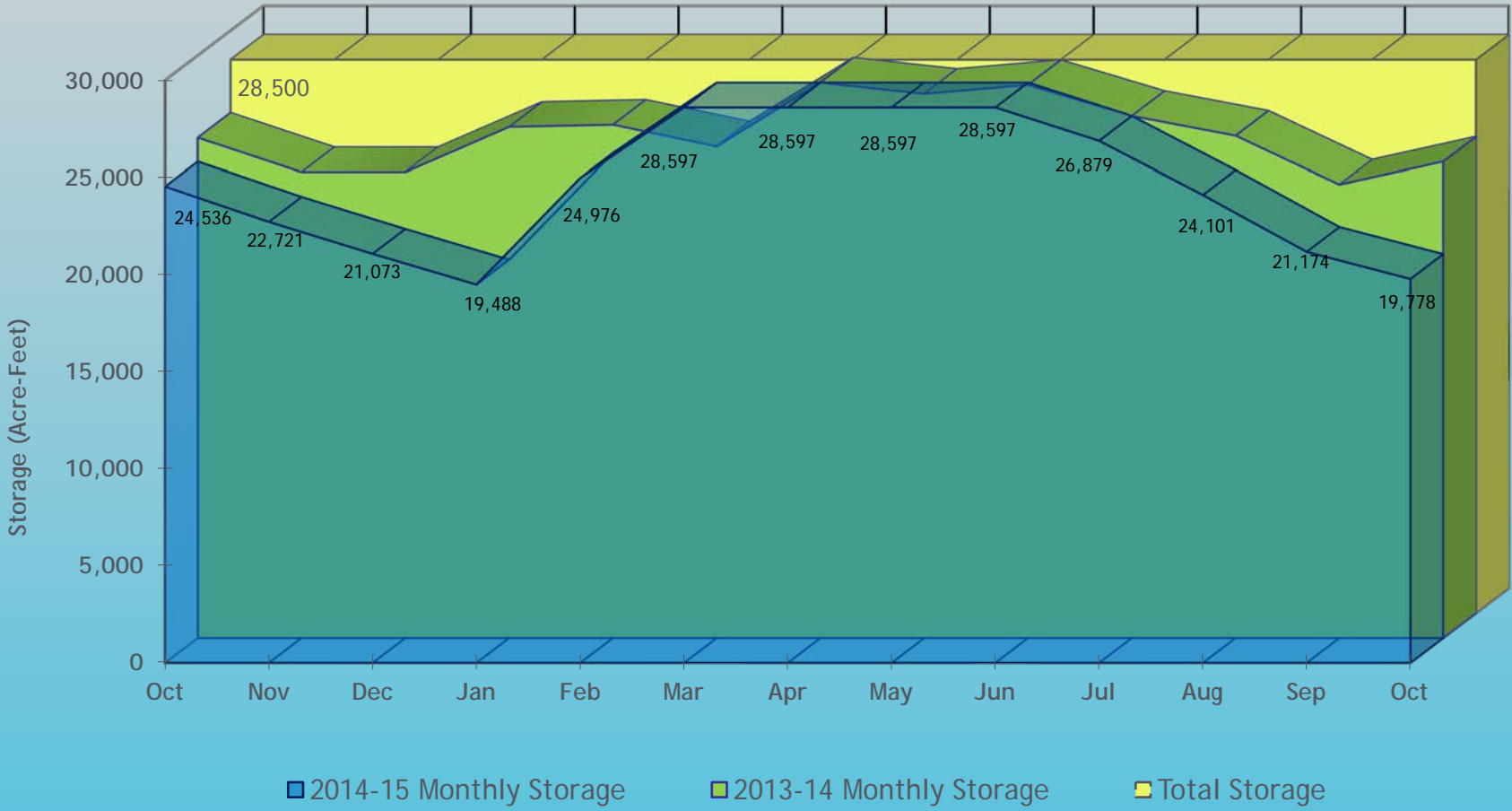
North Sterling Reservoir (District 64 - Agricultural)



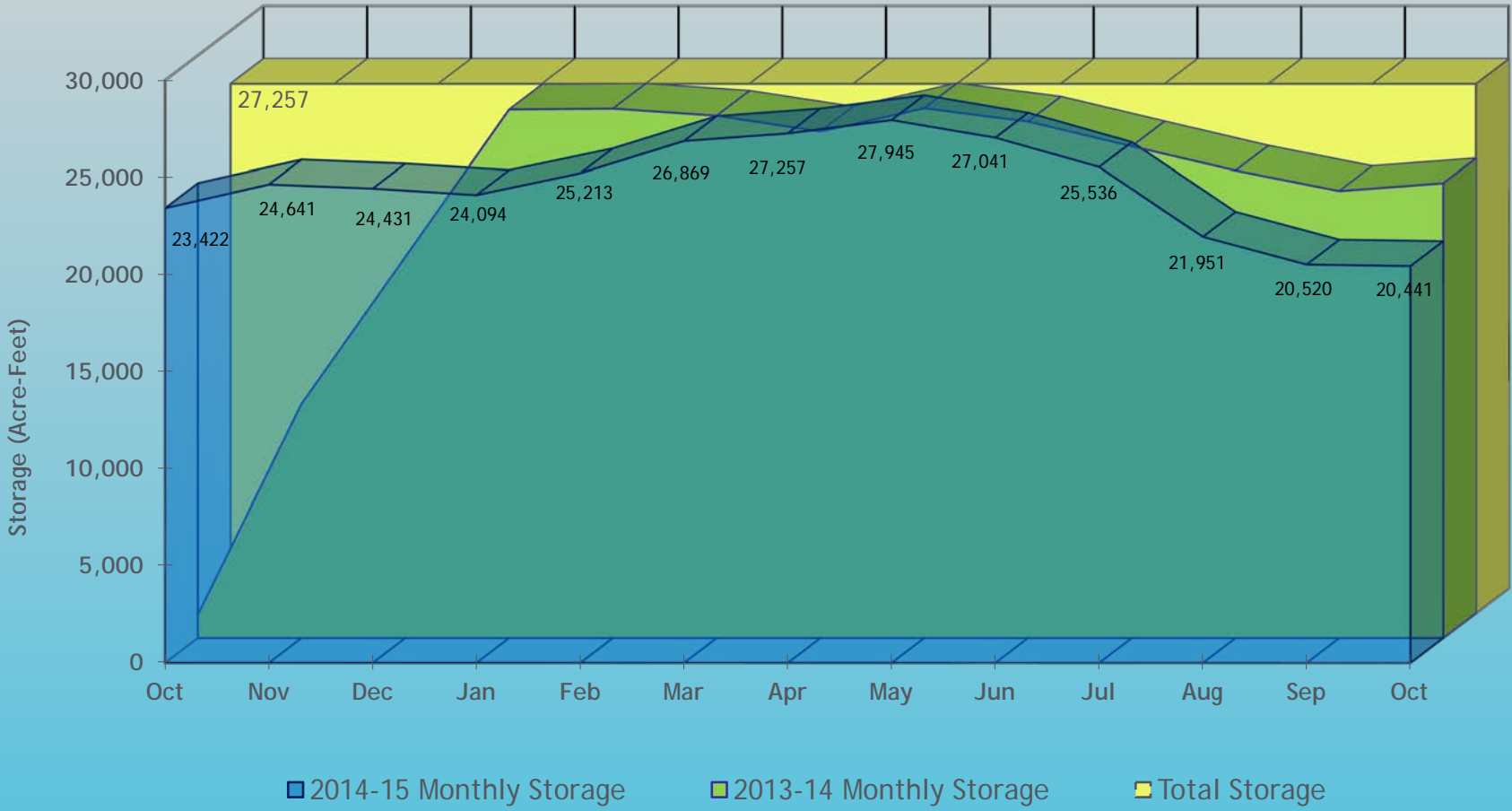
Empire Reservoir (District 1 - Agricultural)



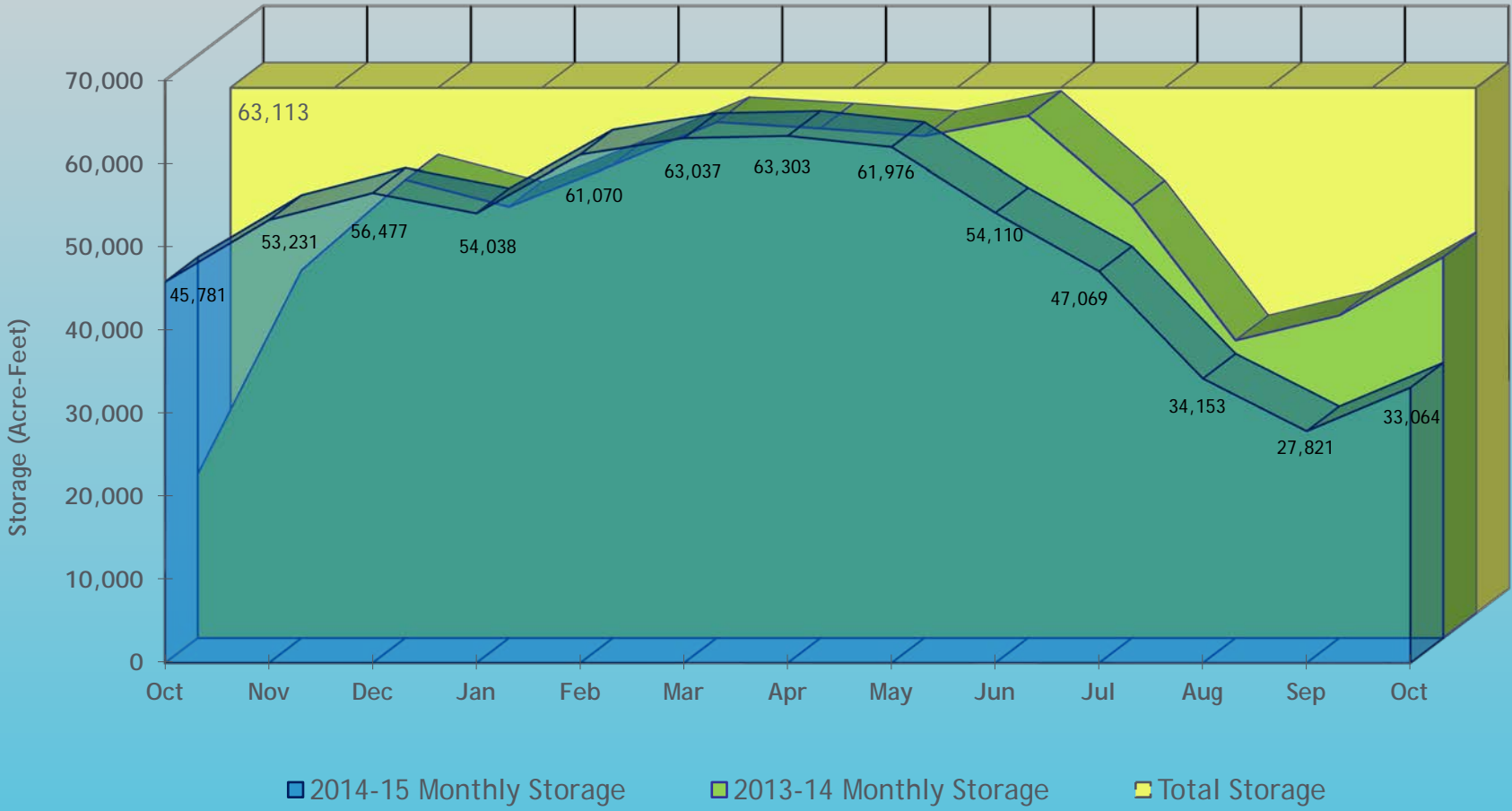
Prewitt Reservoir (District 64 - Agricultural)



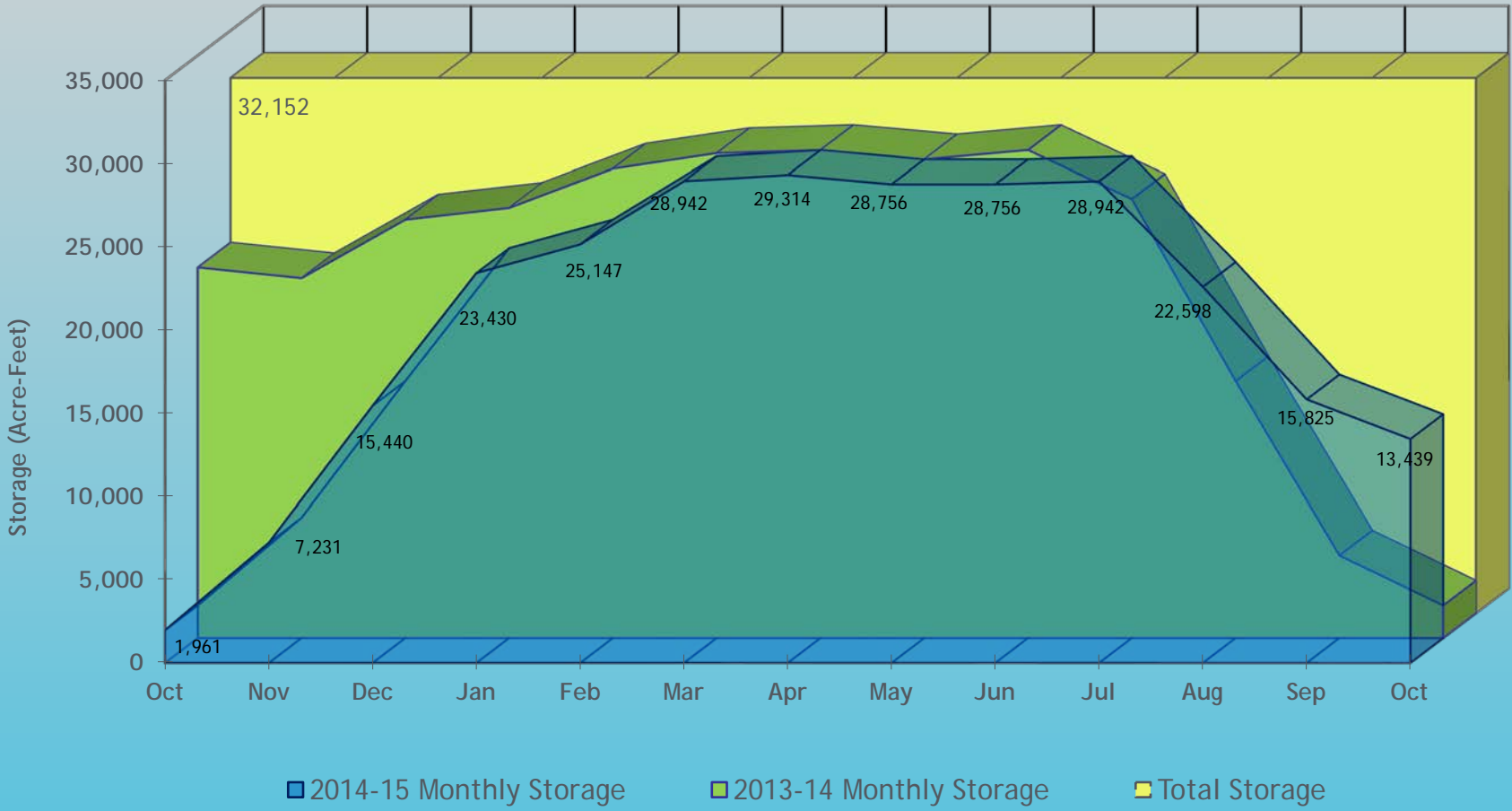
Jackson Reservoir (District 1 - Agricultural)



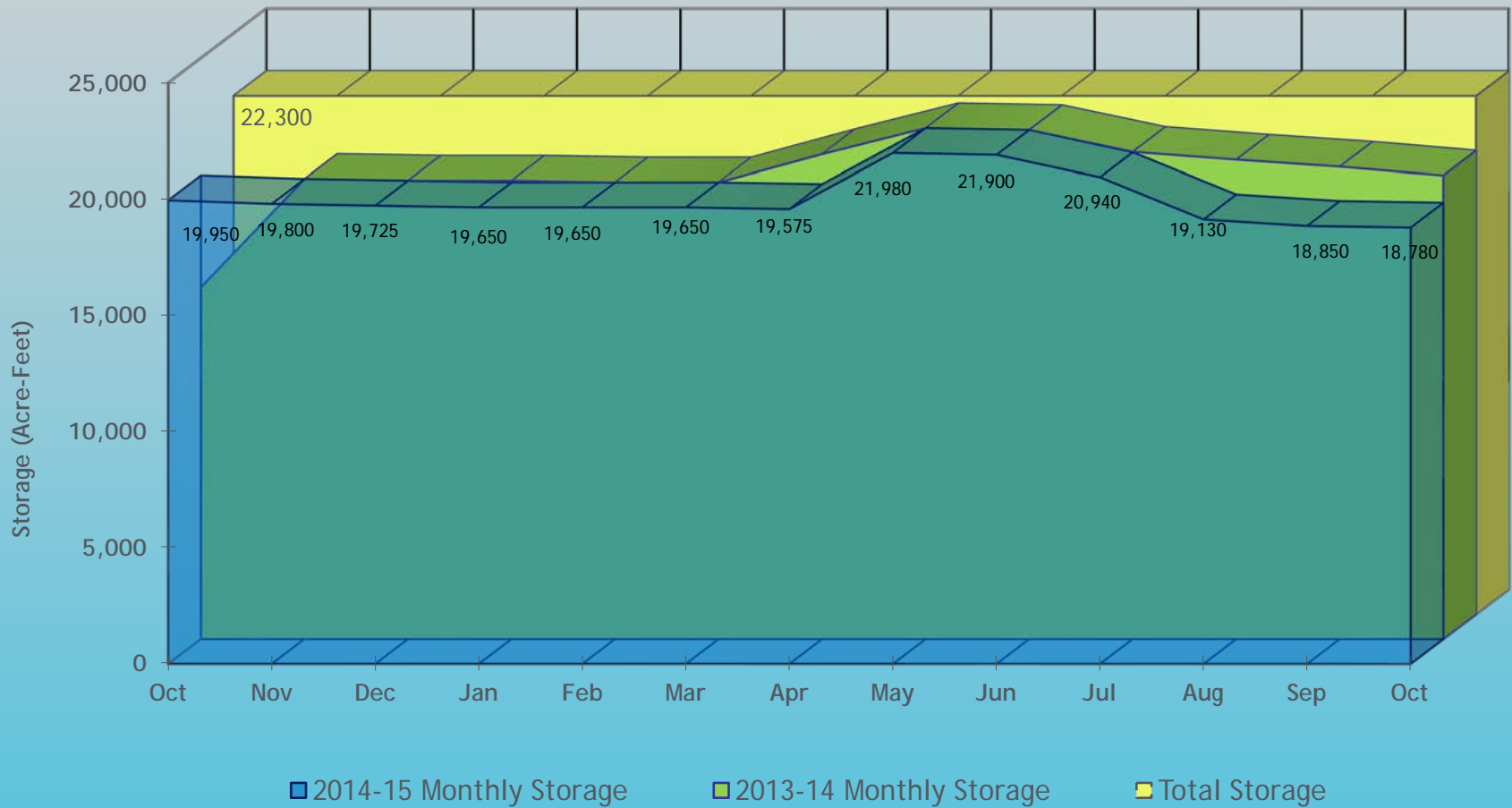
Riverside Reservoir (District 1 - Agricultural)



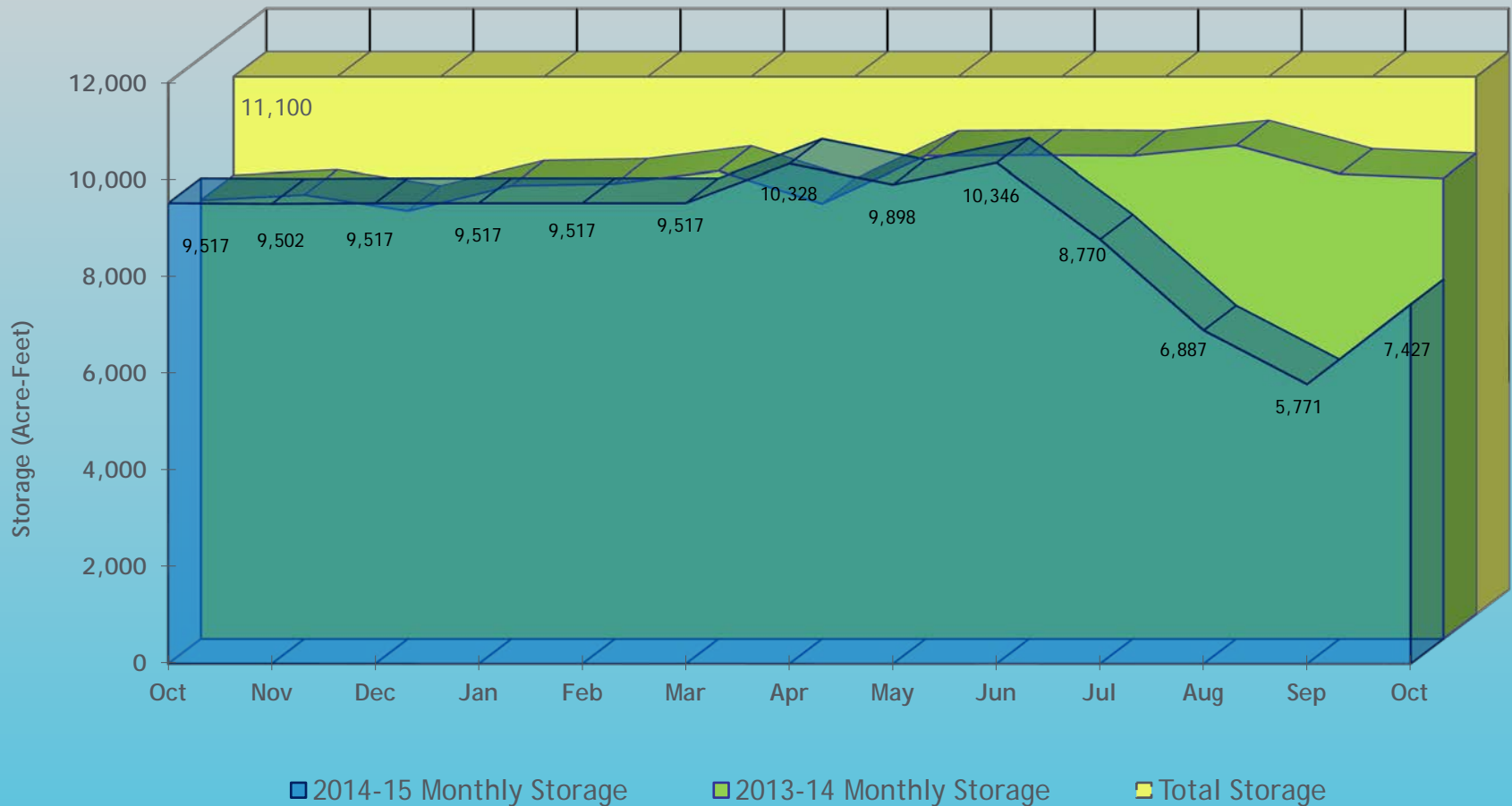
Barr Reservoir (District 2 - Agricultural)



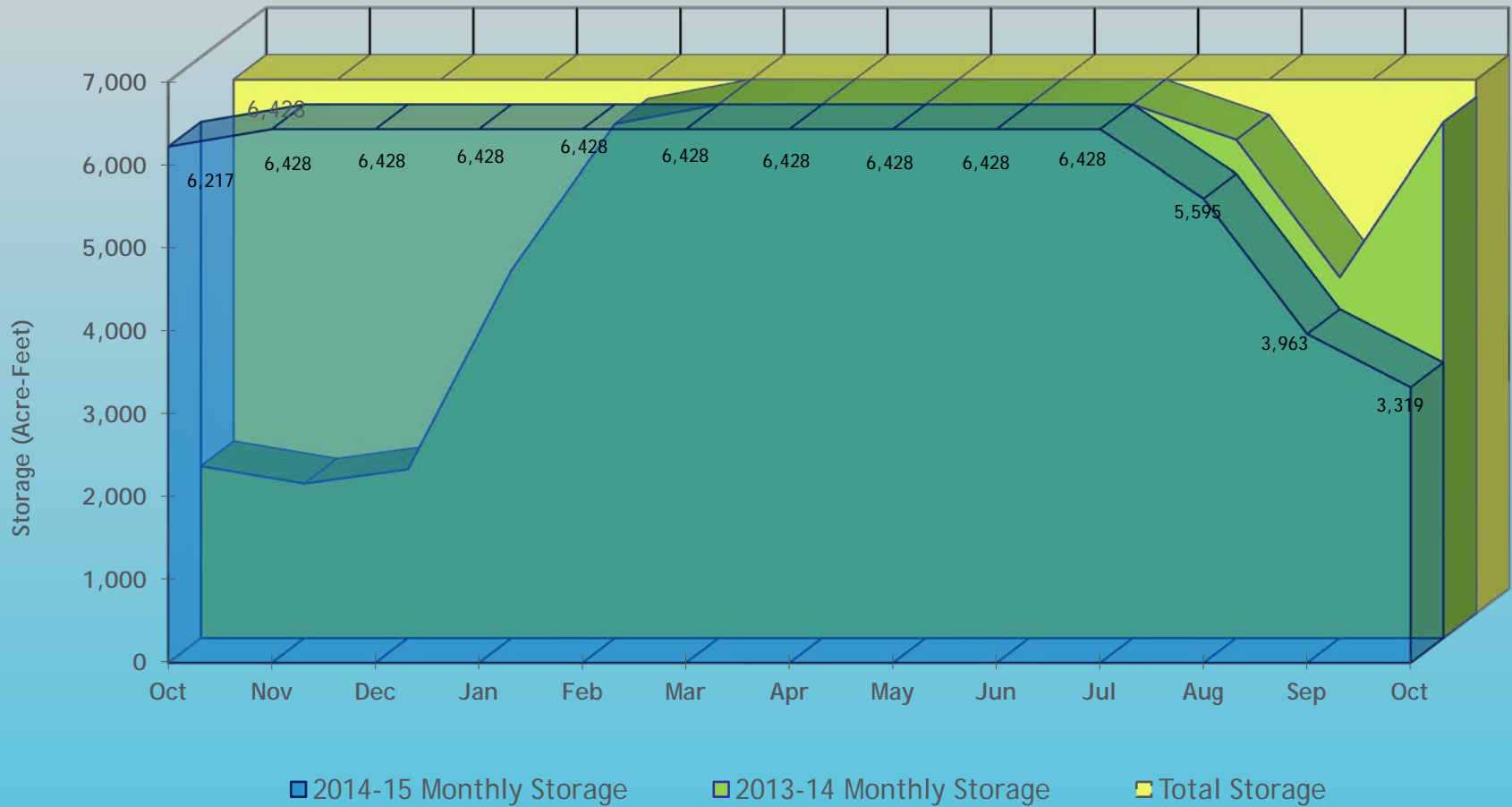
Cobb Reservoir (District 3, Poudre River - Agricultural)



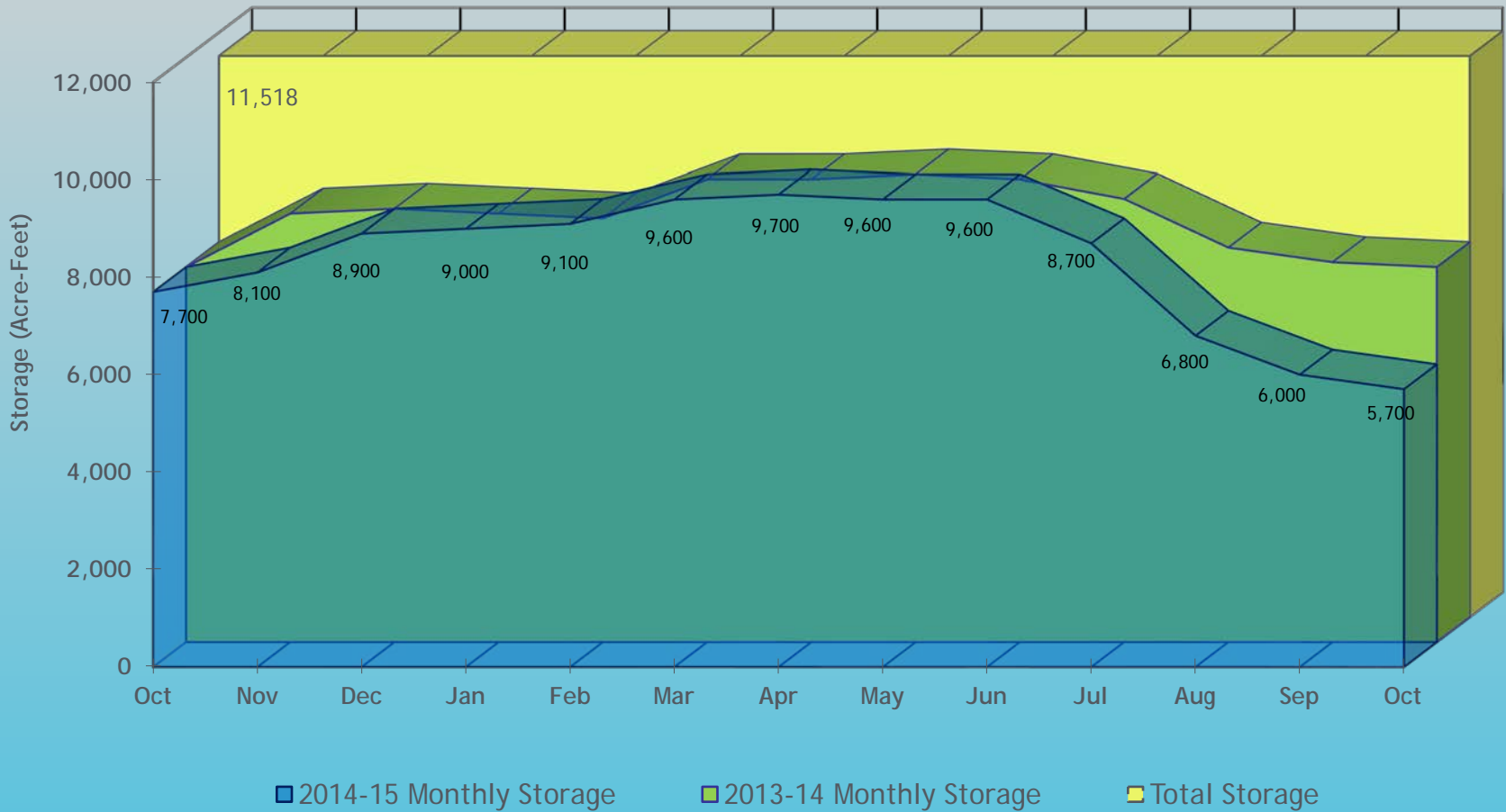
Fossil Creek Reservoir (District 3, Poudre River - Agricultural)



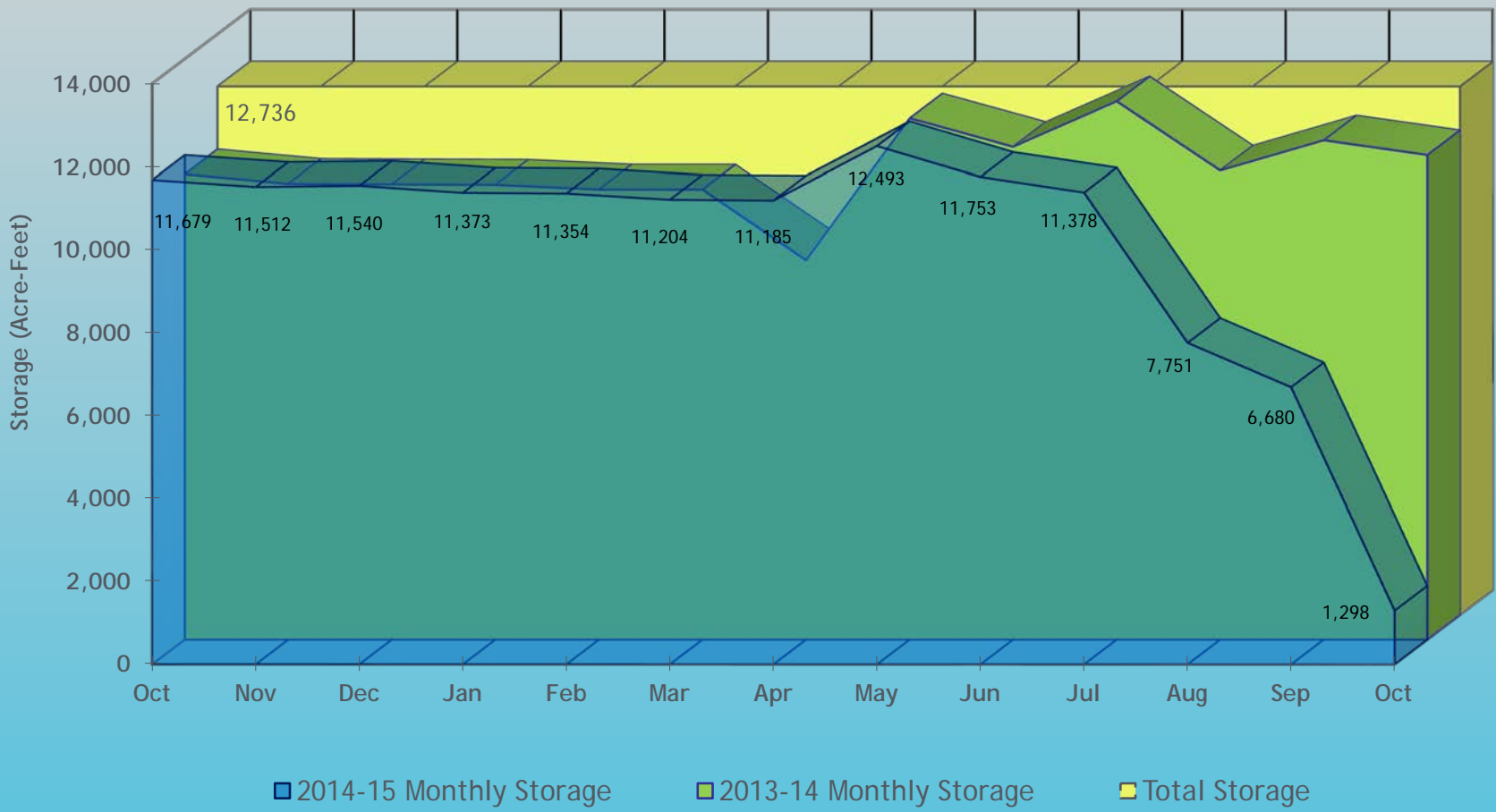
Halligan Reservoir (District 3, Poudre River - Agricultural)



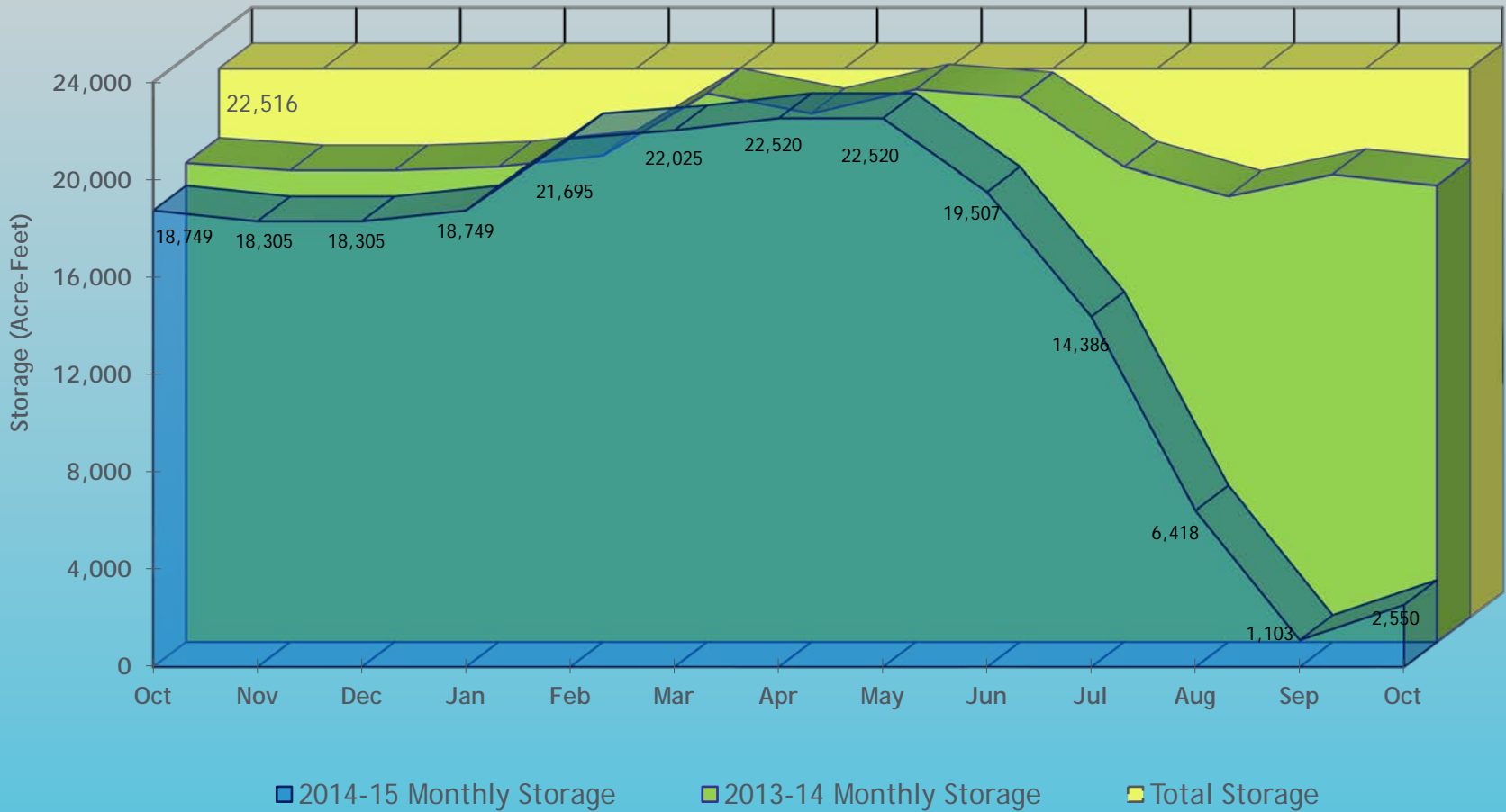
Marshall Lake (District 6, Boulder Creek - Agricultural)



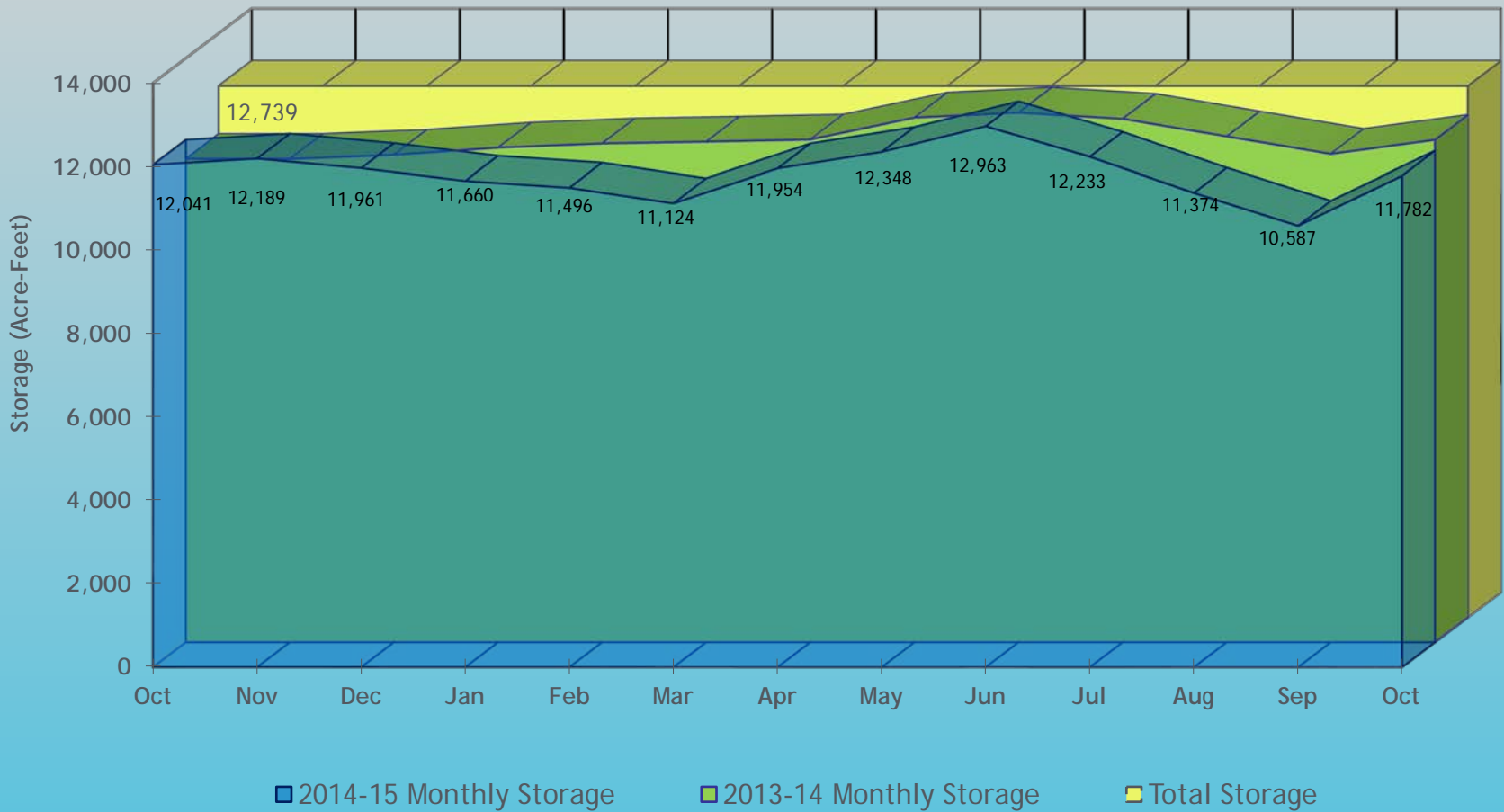
Loveland Greeley Reservoir (District 4, Big Thompson River - Agricultural)



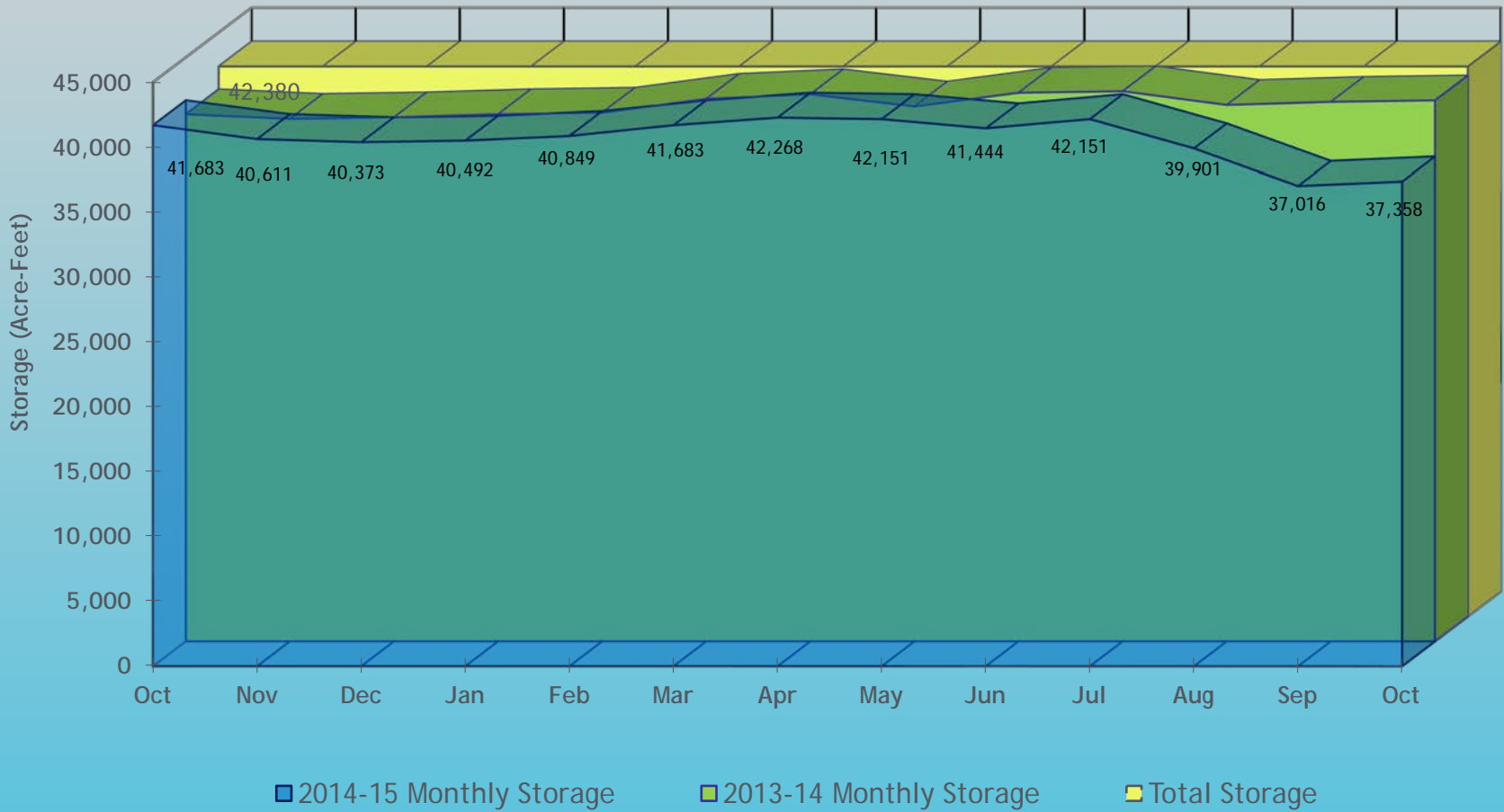
Milton Reservoir (District 2 - Agricultural)



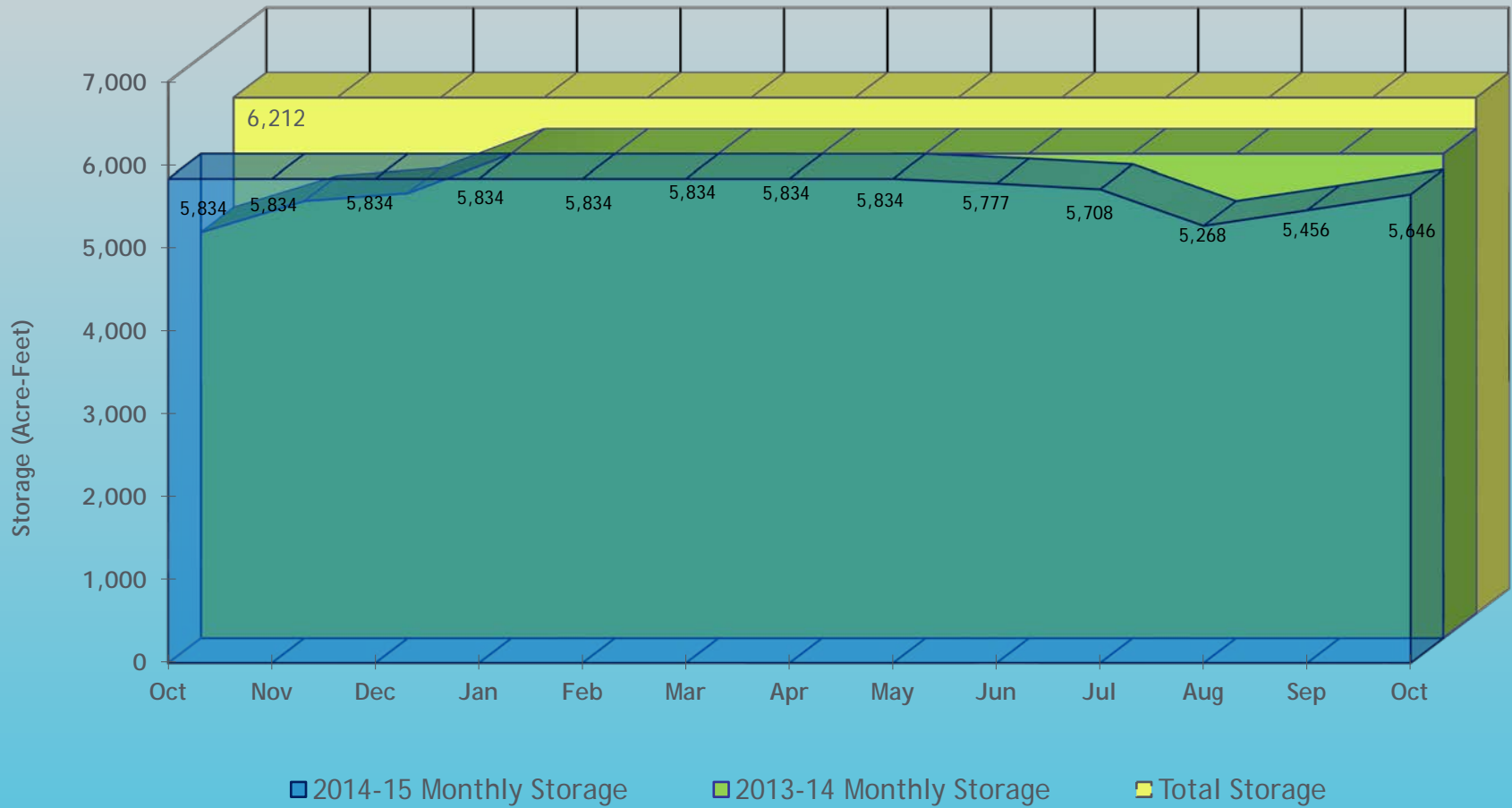
Union Reservoir (District 5, St. Vrain Creek - Agricultural)



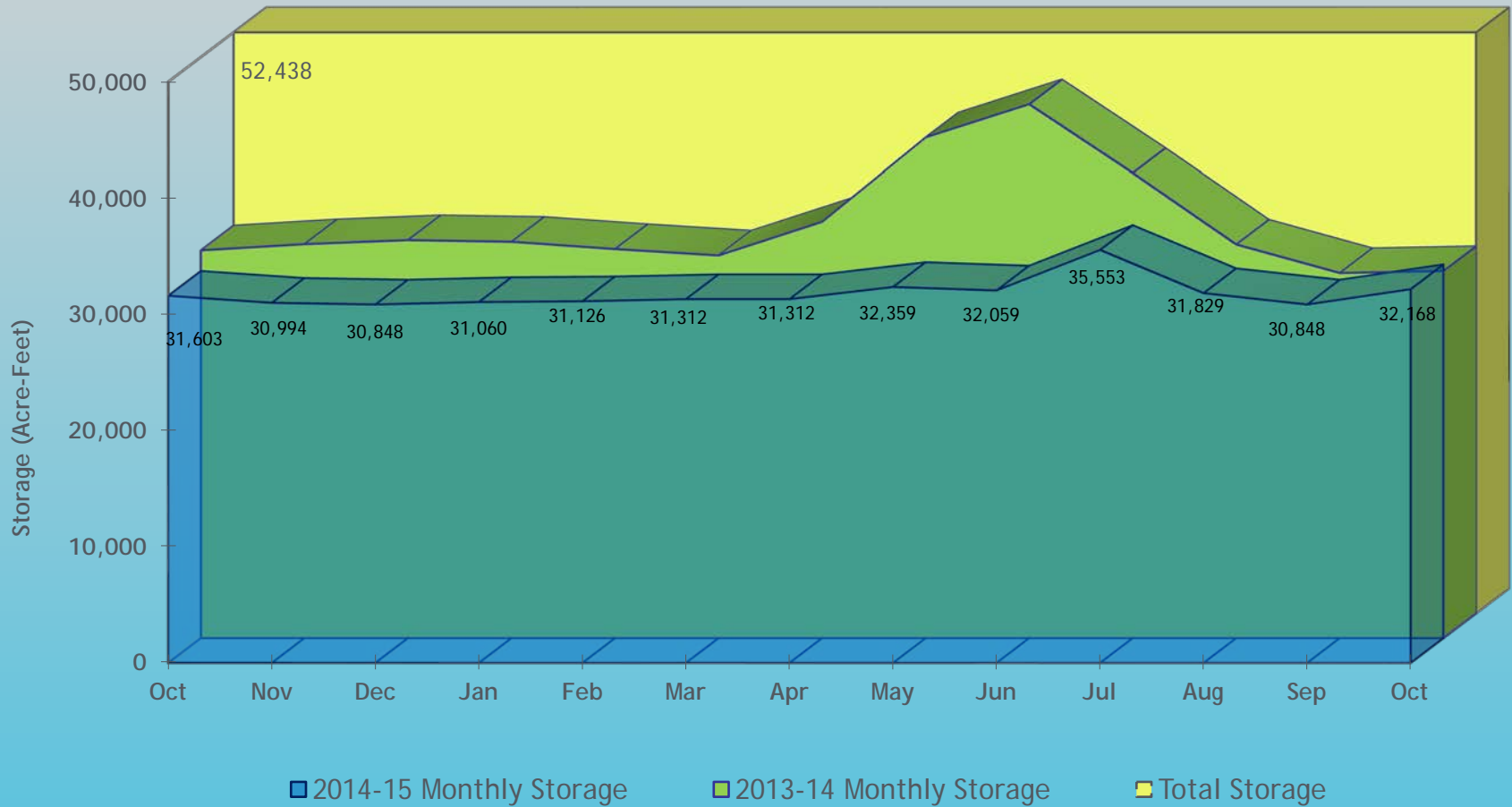
Standley Lake (Agricultural)



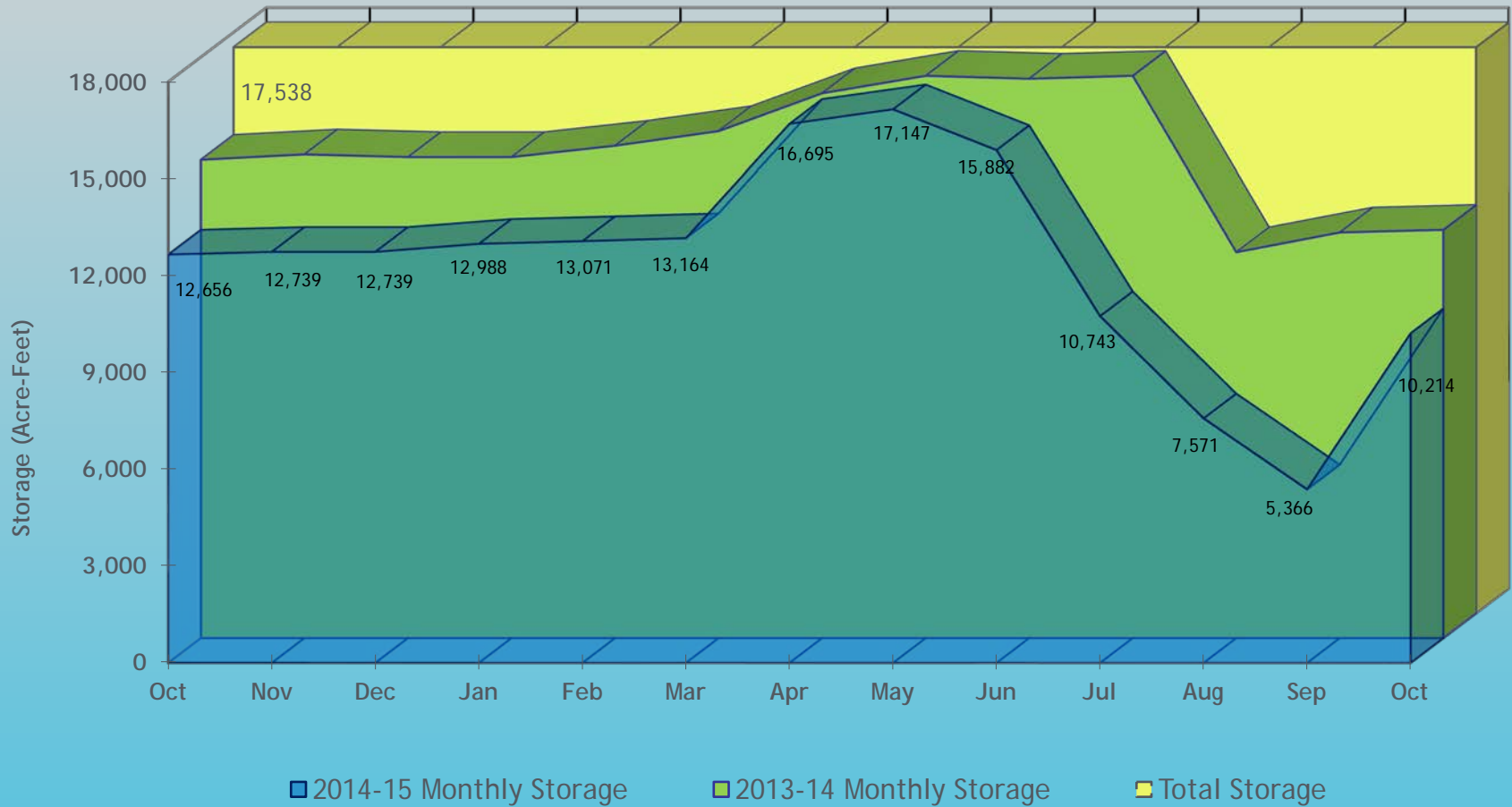
Lower Latham Reservoir (District 2 - Agricultural)



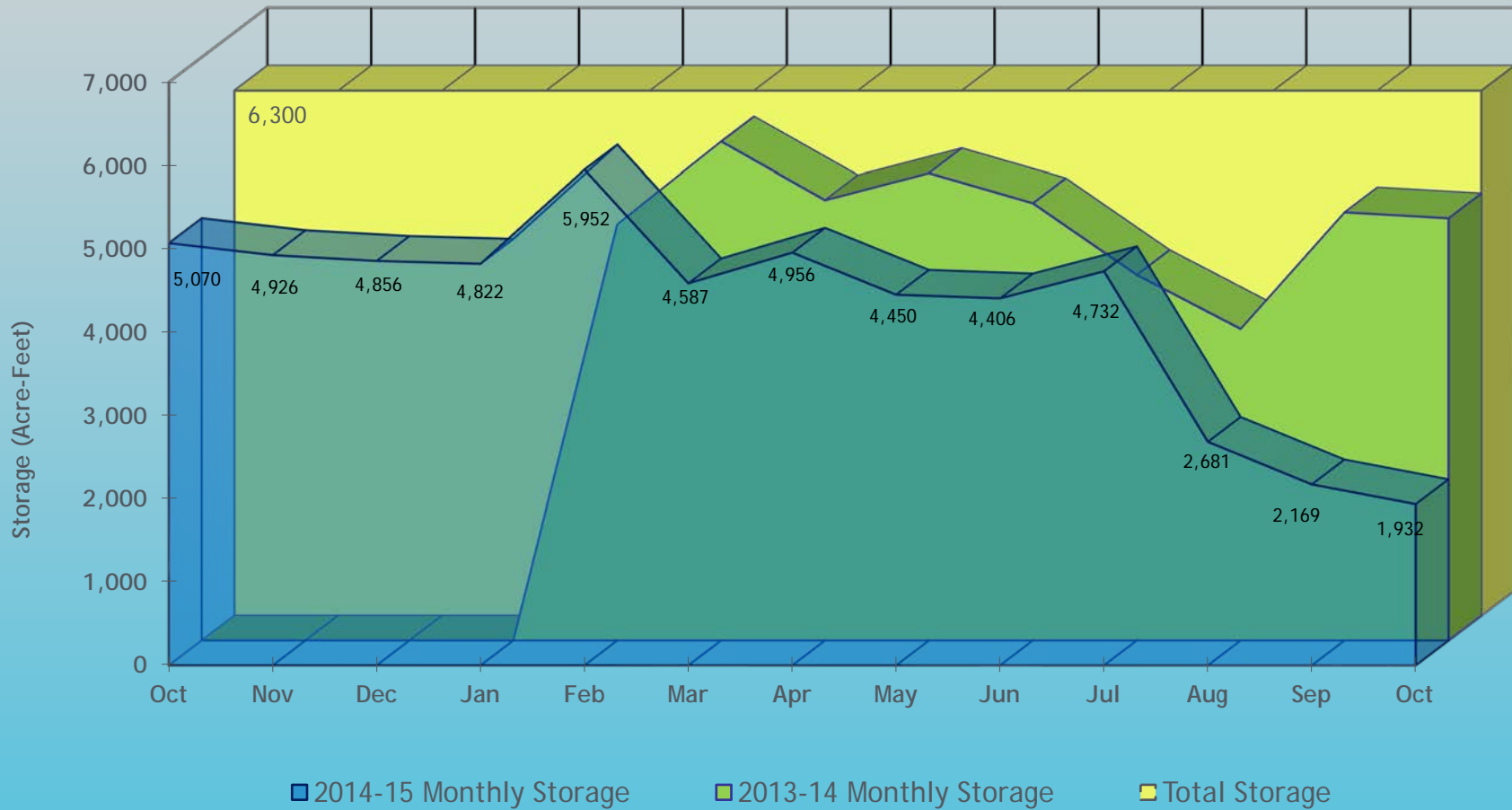
Boyd Lake (District 4, Big Thompson River - Agricultural)



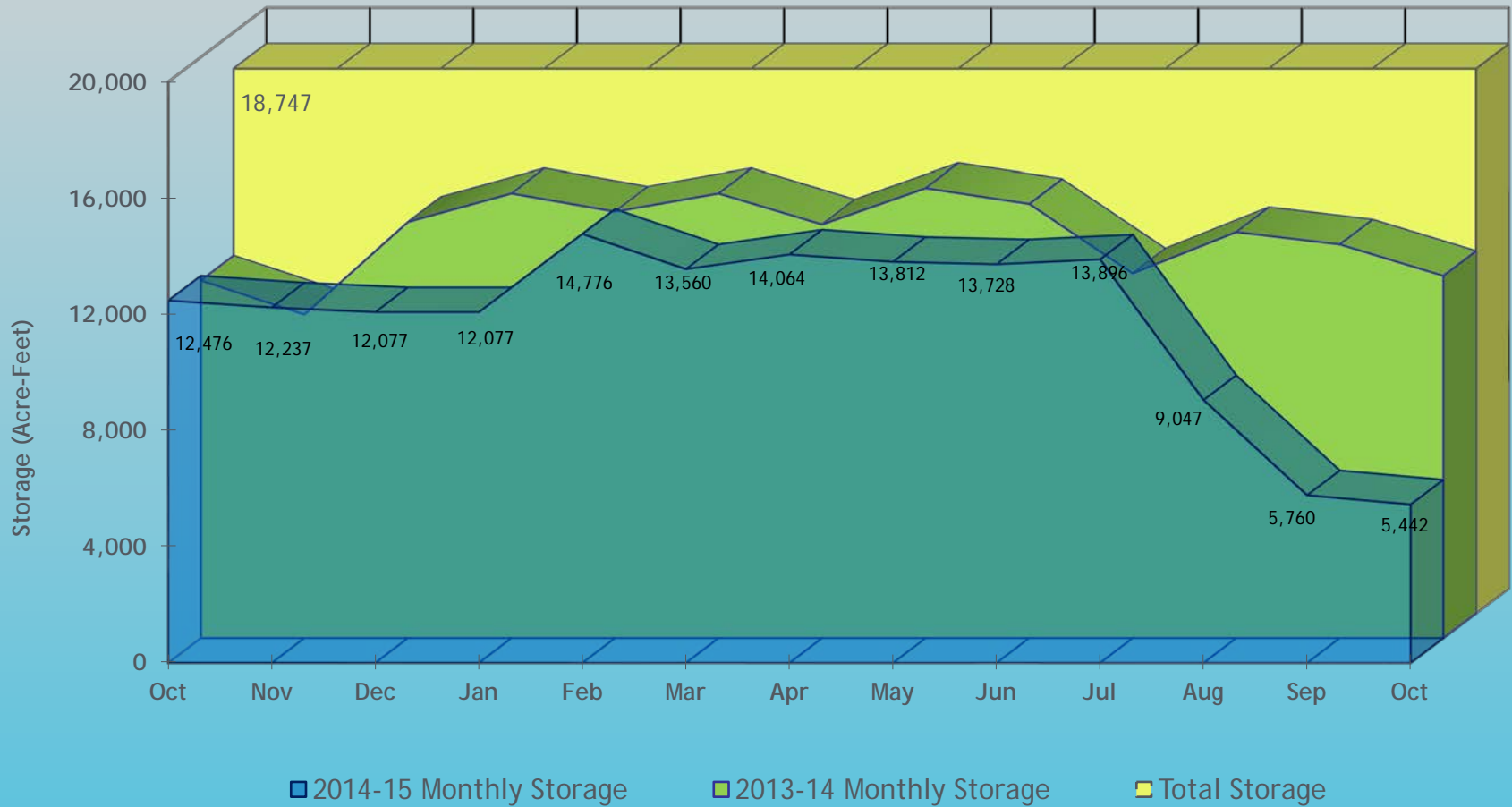
Windsor Reservoir (District 3, Poudre River - Agricultural)



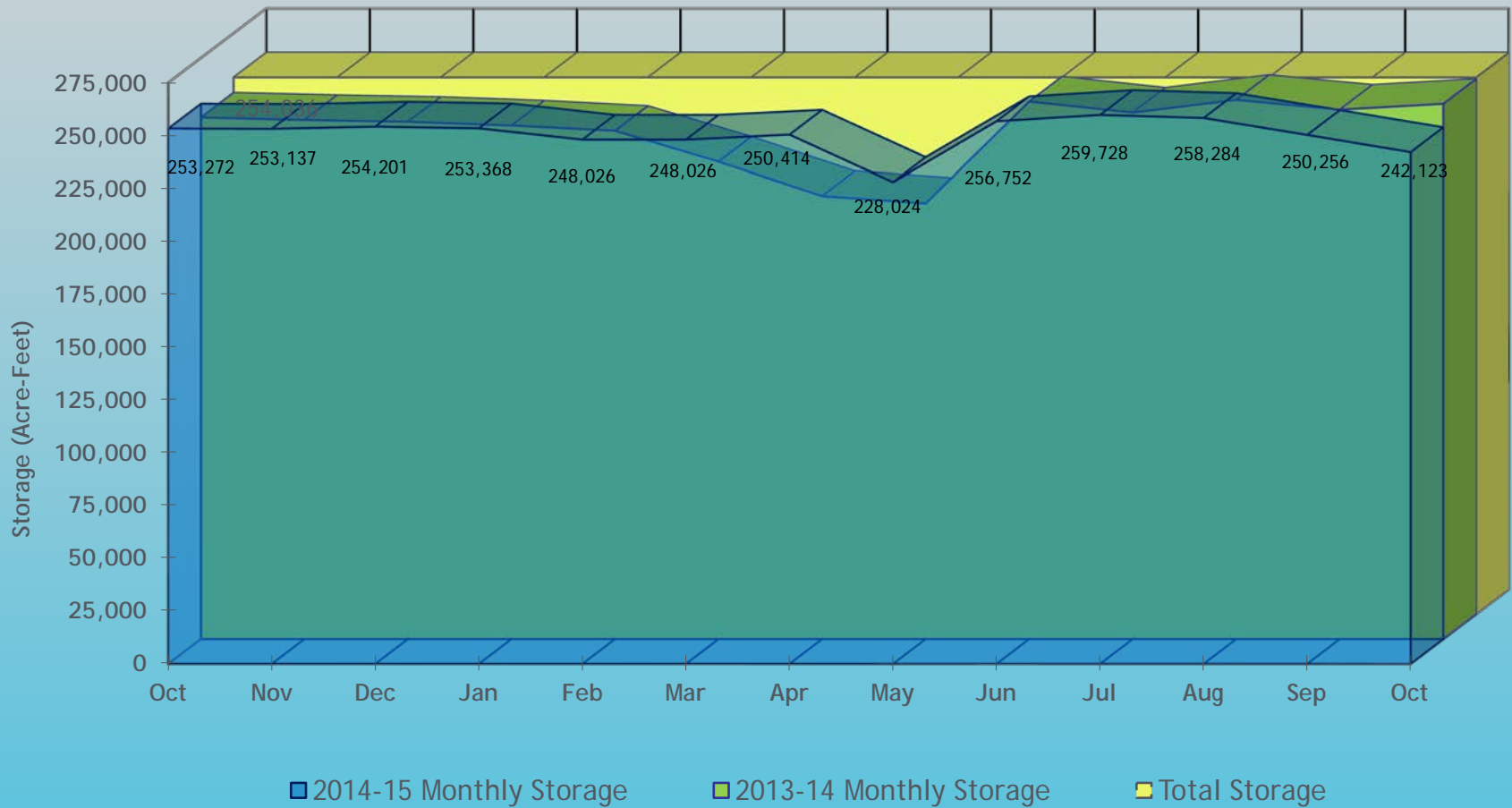
Prospect Reservoir (District 1 - Agricultural)



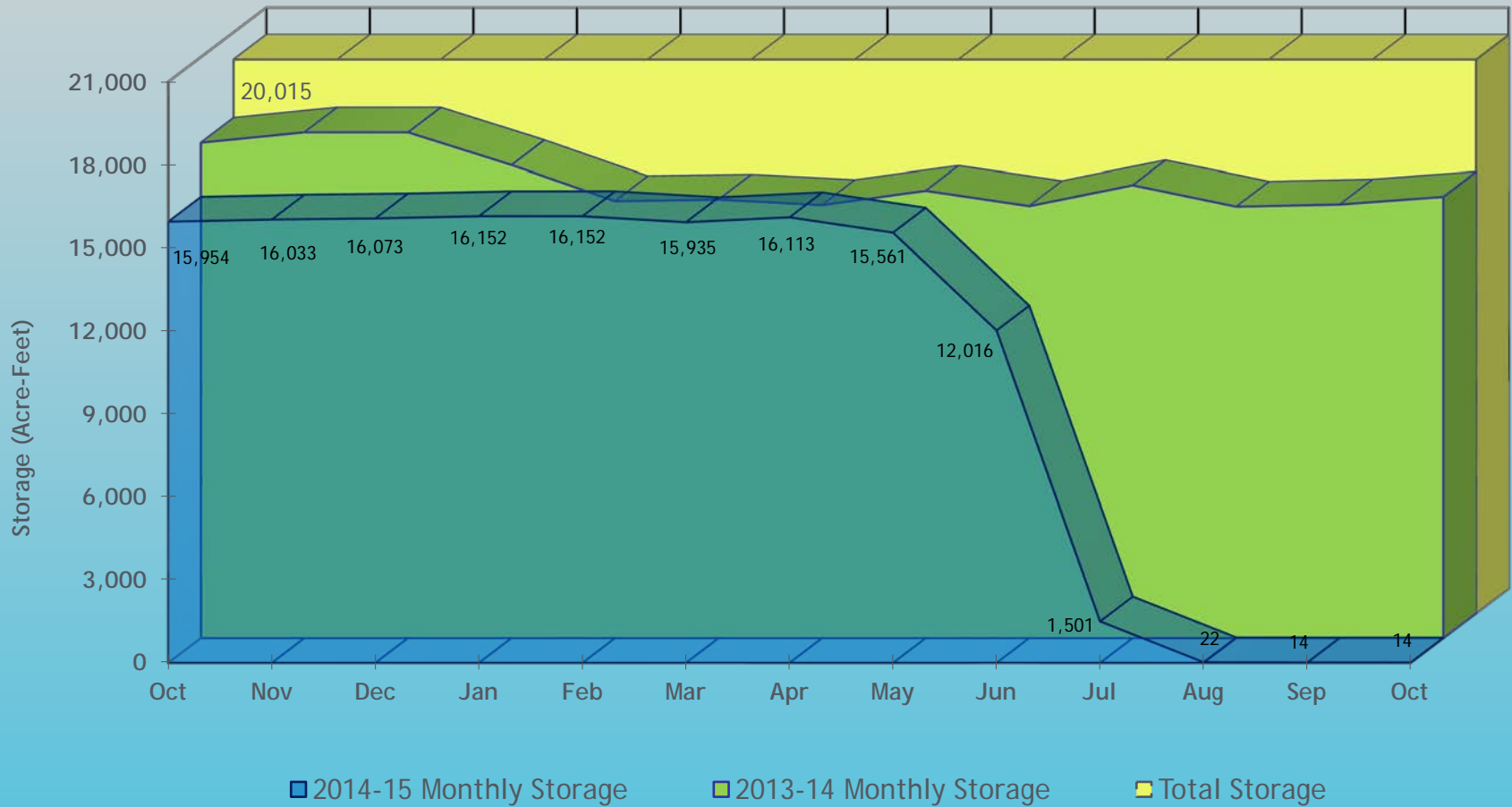
Horse Creek Reservoir (District 1 - Agricultural)



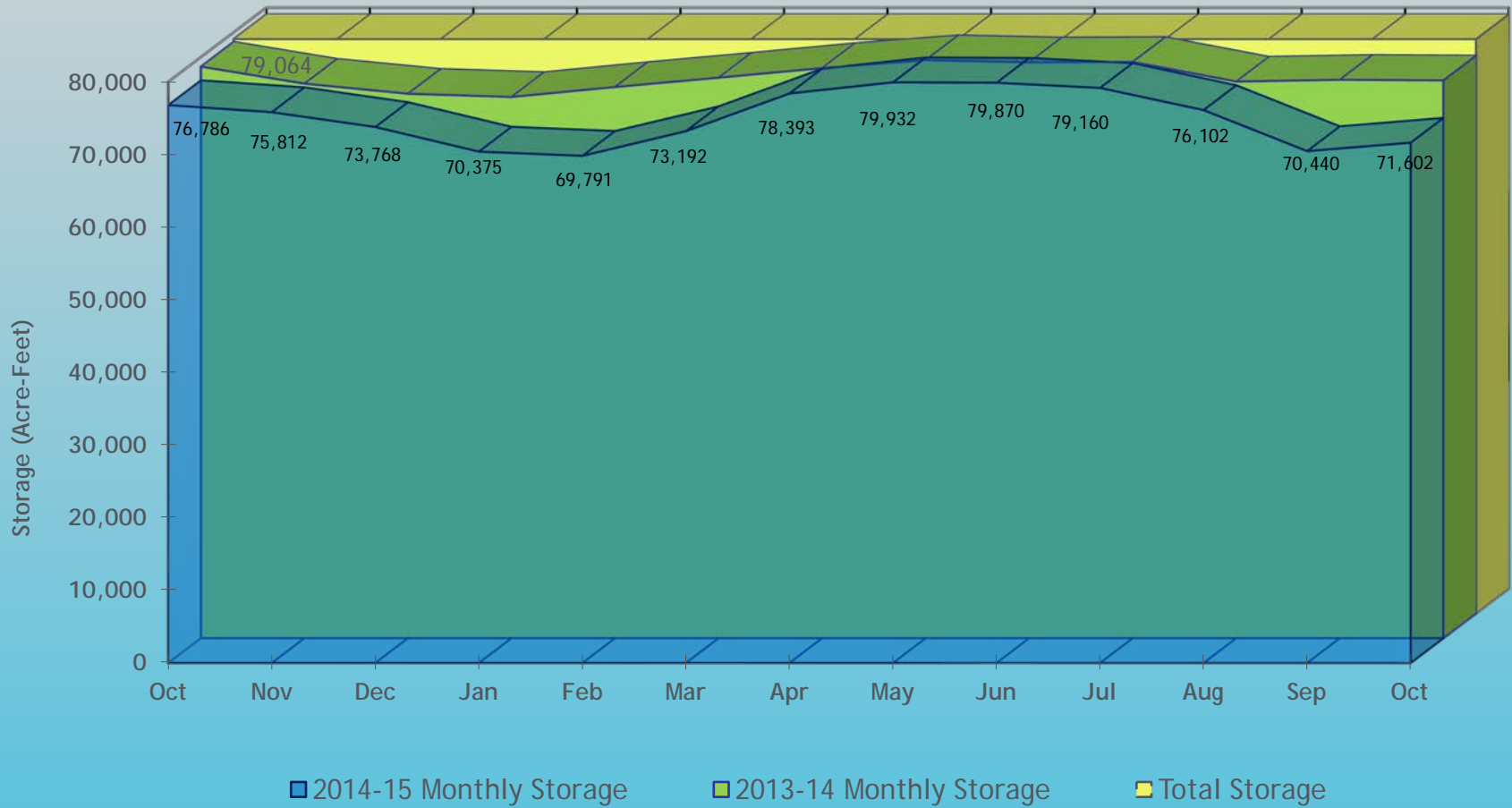
Dillon Reservoir (District 1 - Municipal)



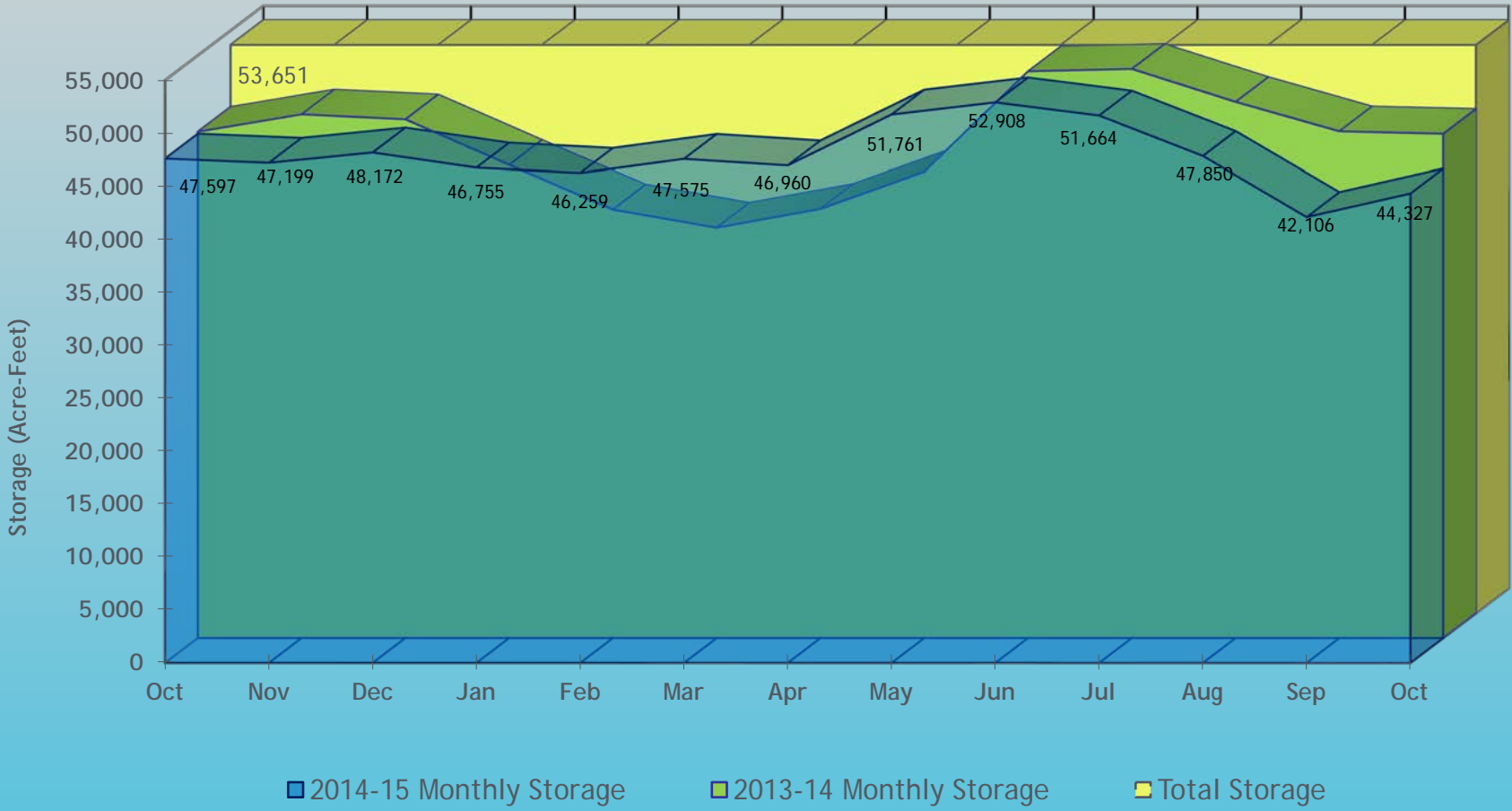
Antero Reservoir (District 23 - Municipal)



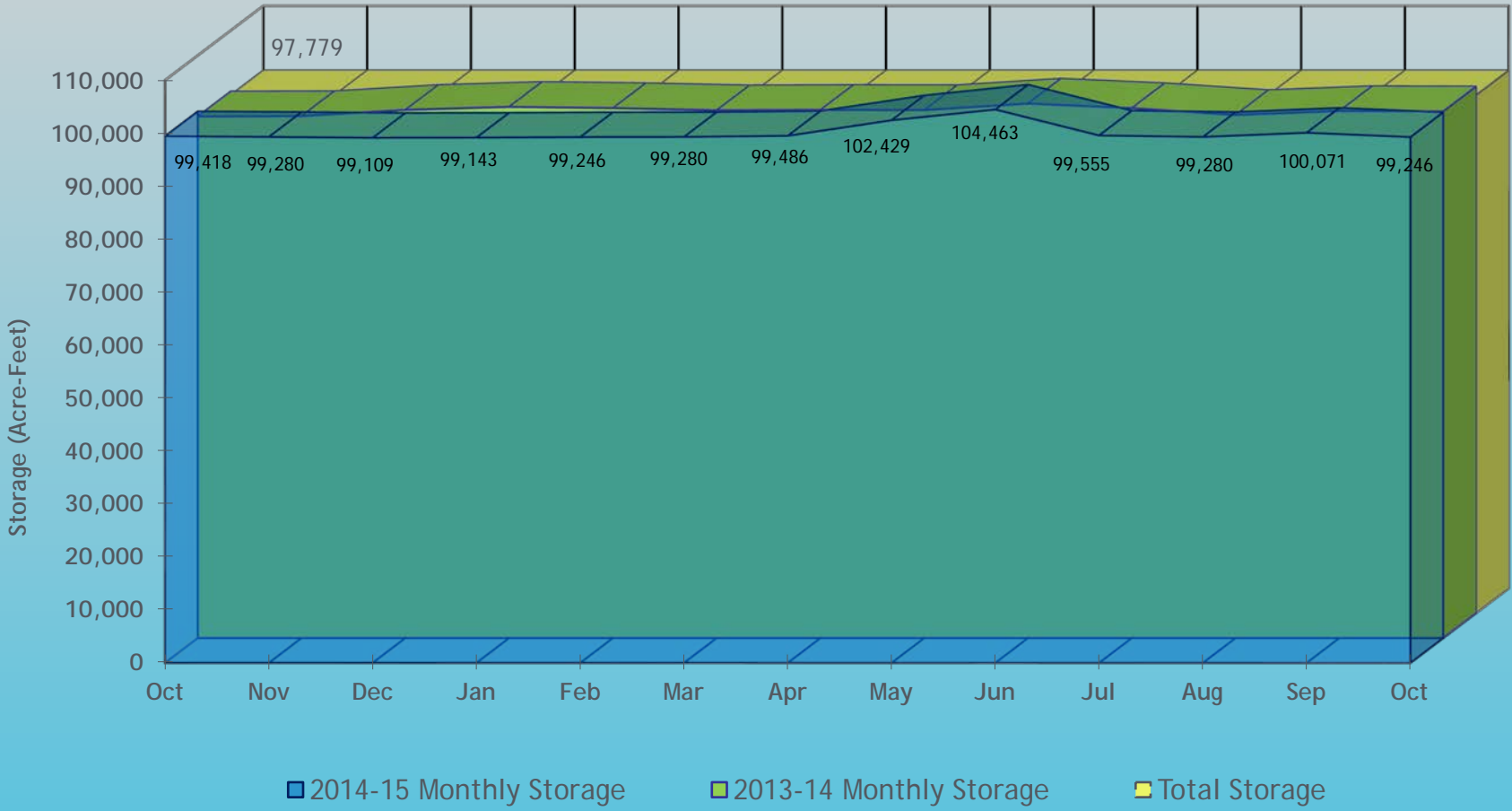
Cheesman Reservoir (District 80 - Municipal)



Spinney Mountain Reservoir (District 23 - Municipal)



Eleven Mile Reservoir (District 23 - Municipal)



Lake Granby

