

South Platte Summary

March 2009



Compiled by Jana Ash



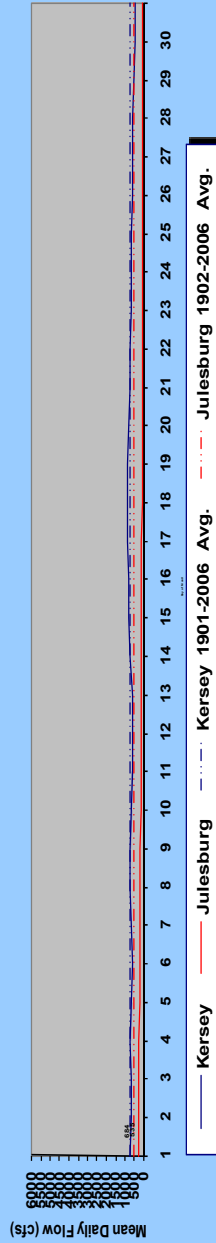
Diversion Dam for Bradley Ditch on
Tarryall Creek
(Photo by Garver Brown)

COLORADO DIVISION OF WATER RESOURCES, DIVISION 1

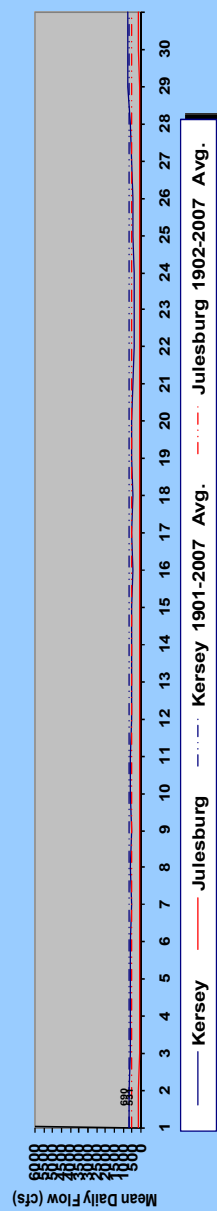
MONTH OF MARCH 2009

| 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 | 16,522 | 20,503 | 64 | 3,981 | 24% | 90% | 100% | 0 |
| N STERLING | 73,730 | 69,011 | 69,582 | 64 | 571 | 1% | 94% | 100% | 0 |
| PREWITT | 28,500 | 21,198 | 24,365 | 64 | 3,167 | 15% | 85% | 100% | 0 |
| JACKSON | 27,257 | 24,616 | 25,691 | 1 | 1,075 | 4% | 94% | 100% | 0 |
| EMPIRE | 37,700 | 36,426 | 35,925 | 1 | -501 | -1% | 95% | 93% | 0 |
| RIVERSIDE | 63,113 | 50,690 | 55,461 | 1 | 4,771 | 9% | 88% | 98% | 0 |
| BARR LAKE | 31,652 | 22,921 | 23,843 | 2 | 922 | 4% | 75% | 91% | 0 |
| CHEESMAN | 79,064 | 69,929 | 74,129 | 80 | 4,200 | 6% | 94% | 95% | 0 |
| ELEVEN MILE | 97,779 | 100,071 | 100,450 | 23 | 379 | 0% | 100% | 100% | 2,671 |
| SPINNEY | 53,651 | 45,654 | 44,108 | 23 | -1,546 | -3% | 82% | 79% | 0 |
| ANTERO | 20,015 | 20,147 | 20,125 | 23 | -22 | 0% | 100% | 100% | 110 |

**SOUTH PLATTER RIVER
MARCH 2008**

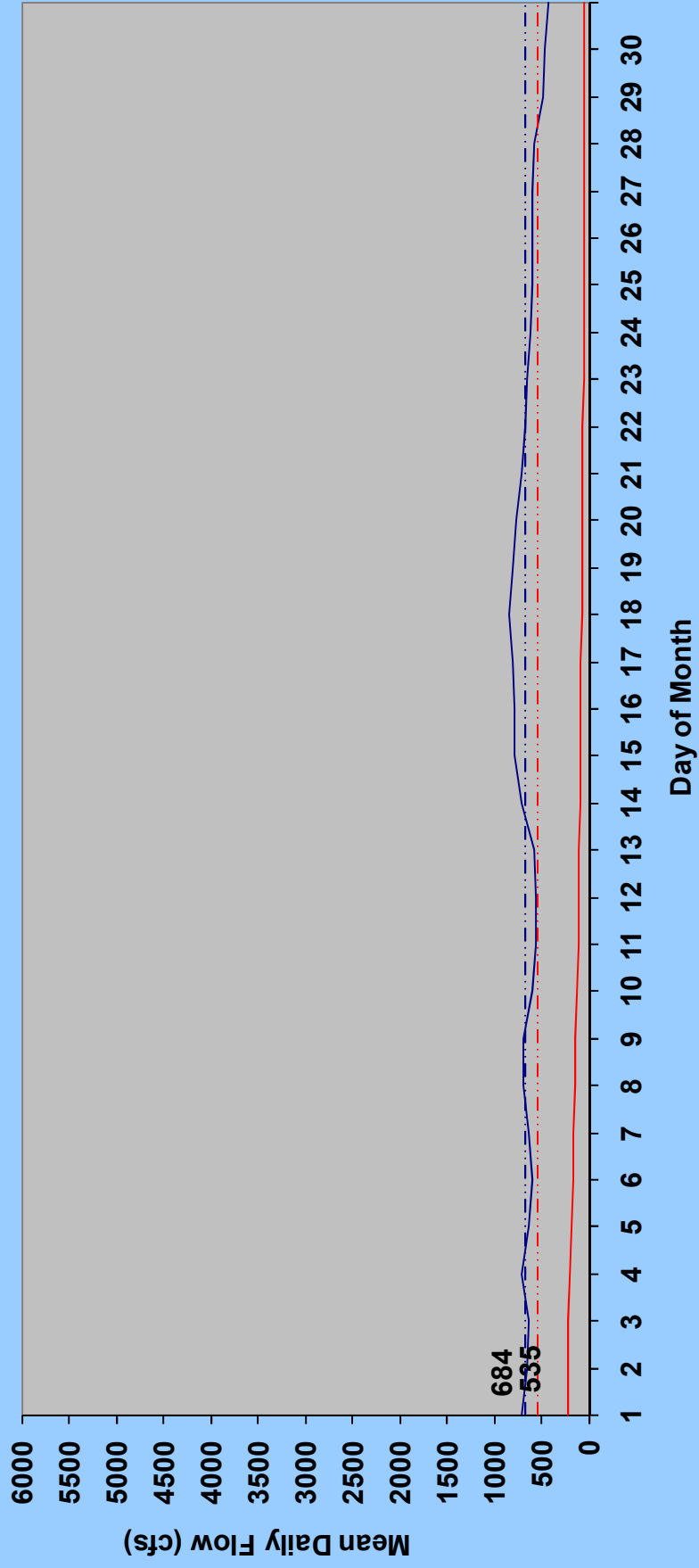


**SOUTH PLATTER RIVER
MARCH 2009**



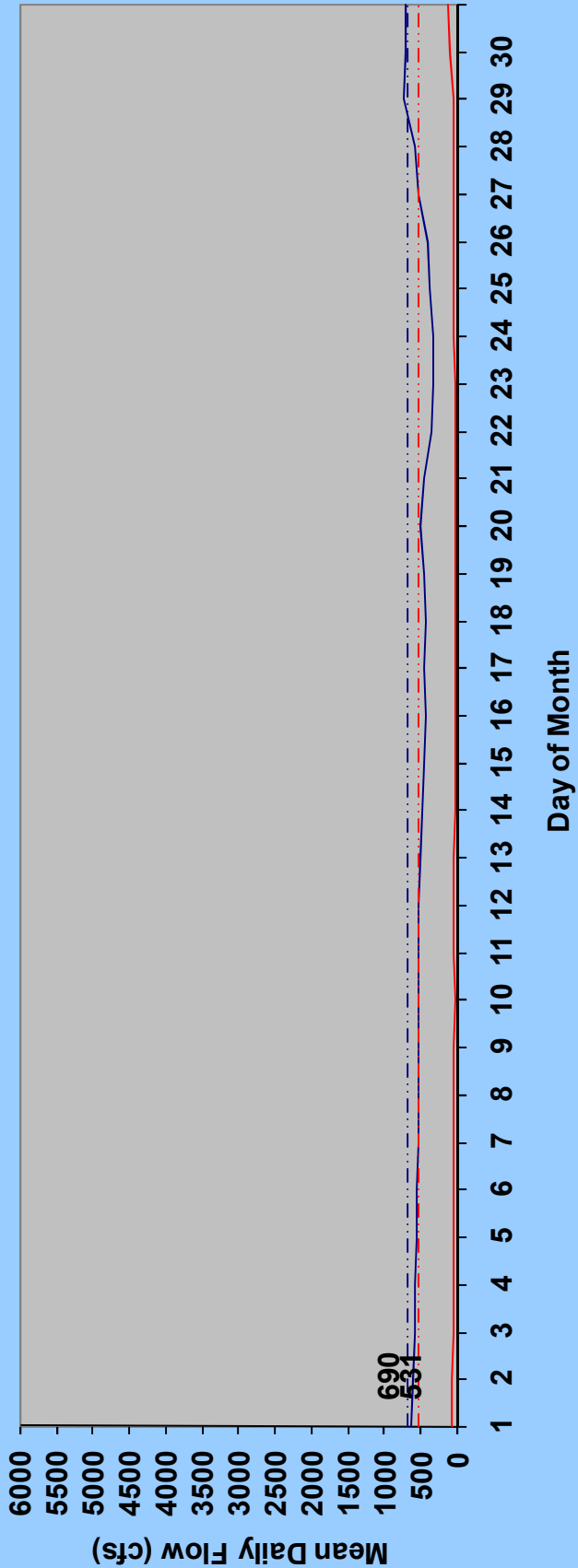
| RIVER GAGES | MEAN DAILY FLOW (CFS) |
|-----------------------------------|-----------------------|
| KERSEY | 521 |
| JULESBURG | 62 |
| THIS MONTH LAST YEAR | |
| KERSEY | 653 |
| JULESBURG | 99 |
| MEAN FOR PERIOD OF RECORD* | |
| KERSEY | 690 |
| JULESBURG | 531 |
| *1901-2007 1902-2007 | |

SOUTH PLATTE RIVER MARCH 2008



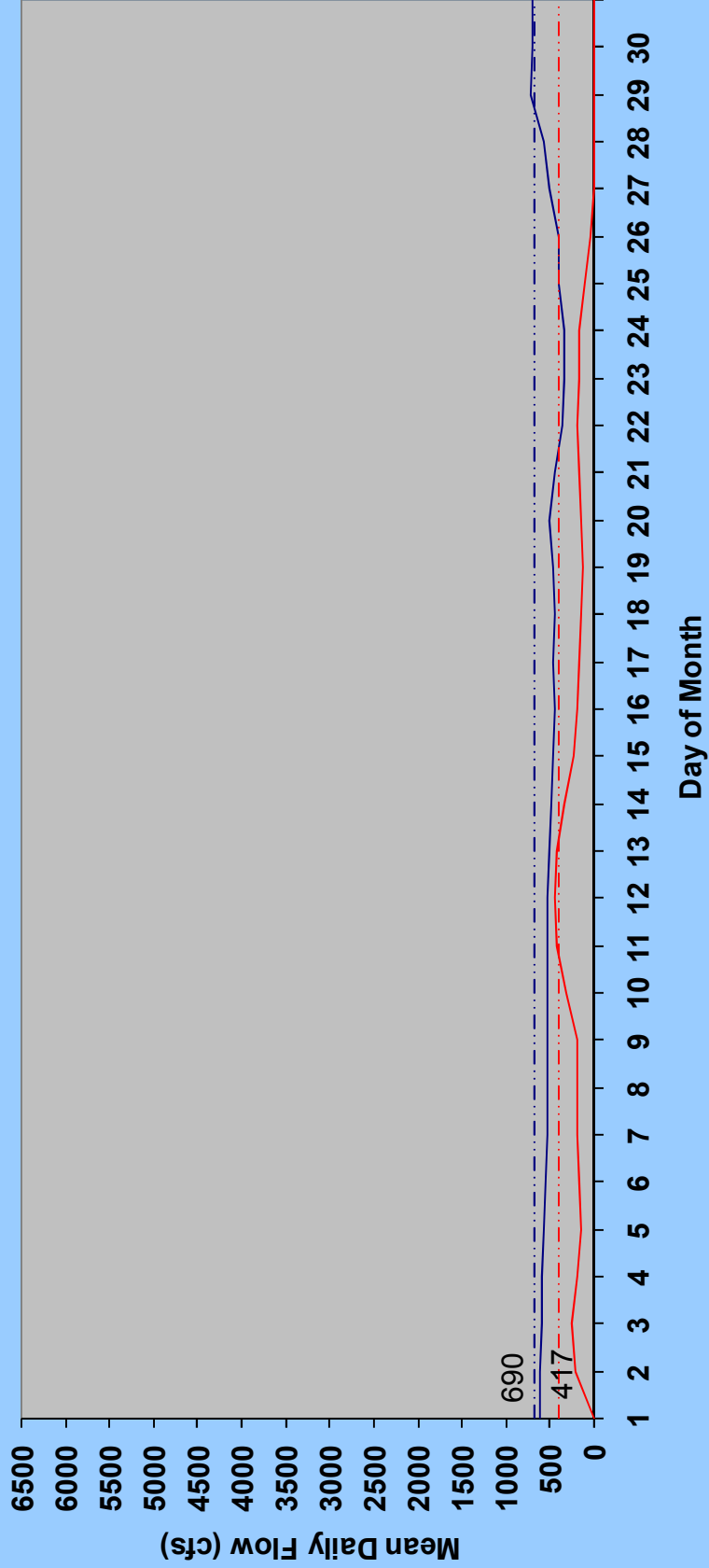
— Kersey — Julesburg — Kersey 1901-2006 Avg. - - - Julesburg 1902-2006 Avg.

SOUTH PLATTE RIVER MARCH 2009



— Kersey — Julesburg — ···· Kersey 1901-2007 Avg. — ···· Julesburg 1902-2007 Avg.

KERSEY and BALZAC MARCH 2009



— Kersey — Balzac - - - Kersey 1901-2007 Avg. - - - Balzac 1917-2007 Avg.

South Platte River Monthly Stream Flow (cfs) Statistics

South Platte River at Kersey

| Month | Historic* Mean Flow | Historic* Max Flow | Year | Historic* Min Flow | Year | IY 2009 Mean Monthly Flow |
|-------|---------------------------|--------------------------|------|--------------------------|------|------------------------------------|
| Nov | 737 | 3650 | 1984 | 70 | 1934 | 649 |
| Dec | 683 | 1890 | 1961 | 91 | 1934 | 707 |
| Jan | 653 | 2160 | 1974 | 158 | 1935 | 706 |
| Feb | 673 | 3060 | 1914 | 152 | 1935 | 642 |
| Mar | 690 | 3470 | 1983 | 80 | 1935 | 521 |
| Apr | 850 | 18100 | 1942 | 28 | 1955 | |
| May | 1761 | 26100 | 1973 | 29 | 1955 | |
| Jun | 2314 | 31000 | 1921 | 52 | 1954 | |
| Jul | 661 | 12600 | 1983 | 44 | 1955 | |
| Aug | 503 | 9690 | 1951 | 65 | 1934 | |
| Sep | 514 | 14200 | 1938 | 62 | 1940 | |
| Oct | 665 | 6180 | 1984 | 66 | 1954 | |

*Period of record 1901-2007

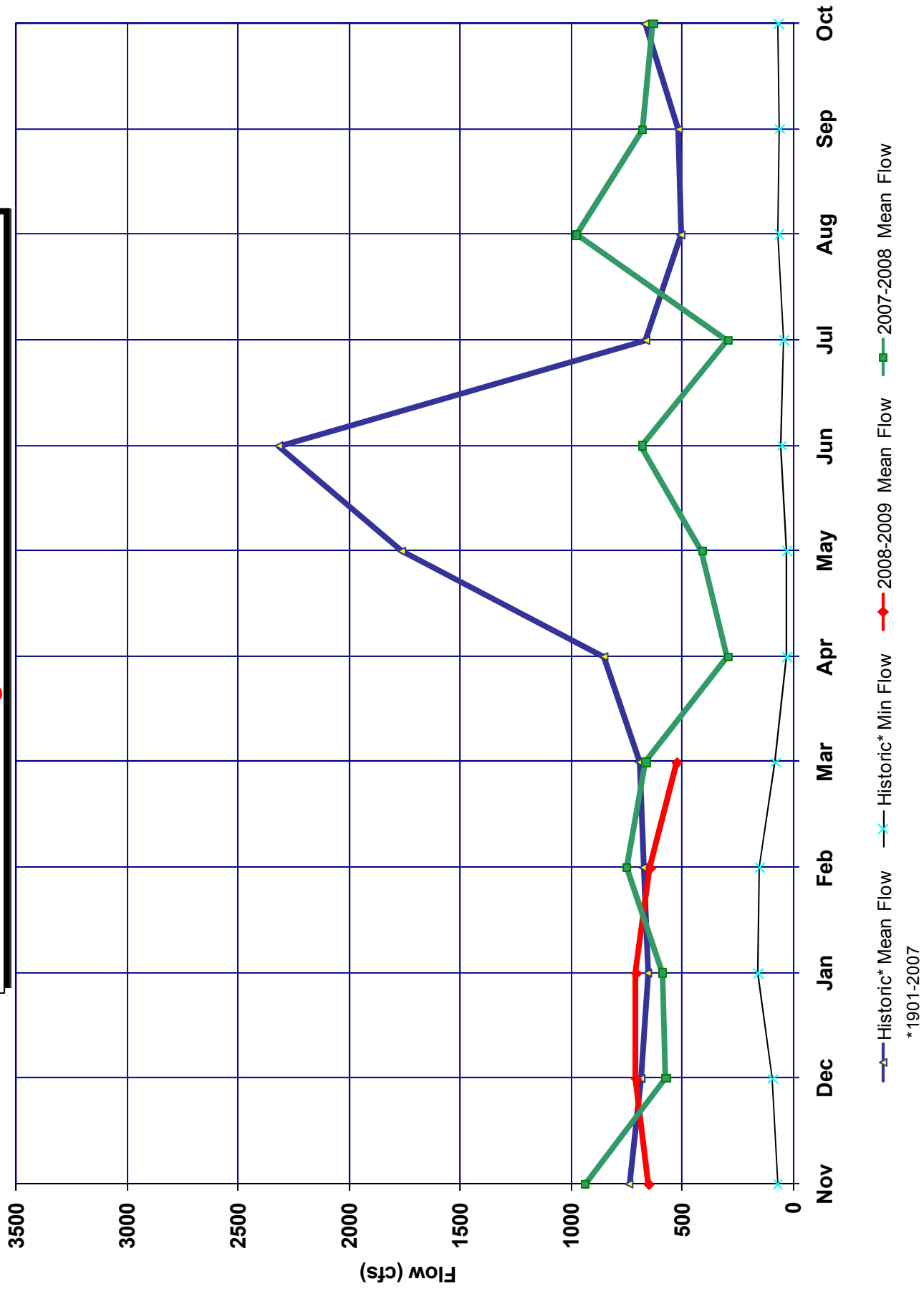
South Platte River at Julesburg

| Month | Historic* Mean Flow | Historic* Max Flow | Year | Historic* Min Flow | Year | IY 2009 Mean Monthly Flow |
|-------|---------------------------|--------------------------|------|--------------------------|------|------------------------------------|
| Nov | 344 | 2900 | 1984 | 4.2 | 1903 | 64 |
| Dec | 405 | 1820 | 1984 | 13 | 2002 | 188 |
| Jan | 514 | 2510 | 1970 | 21 | 2003 | 215 |
| Feb | 589 | 3220 | 1930 | 29 | 2005 | 146 |
| Mar | 531 | 12900 | 1910 | 15 | 1904 | 62 |
| Apr | 529 | 14400 | 1942 | 4.0 | 1904 | |
| May | 1020 | 18100 | 1973 | 12 | 1911 | |
| Jun | 1433 | 30800 | 1921 | 2.0 | 1910 | |
| Jul | 293 | 12600 | 1983 | 0.0 | 1903 | |
| Aug | 180 | 8920 | 1968 | 0.0 | 1903 | |
| Sep | 240 | 7130 | 1938 | 2.0 | 1902 | |
| Oct | 304 | 3130 | 1984 | 4.2 | 1903 | |

*Period of record 1902-2007

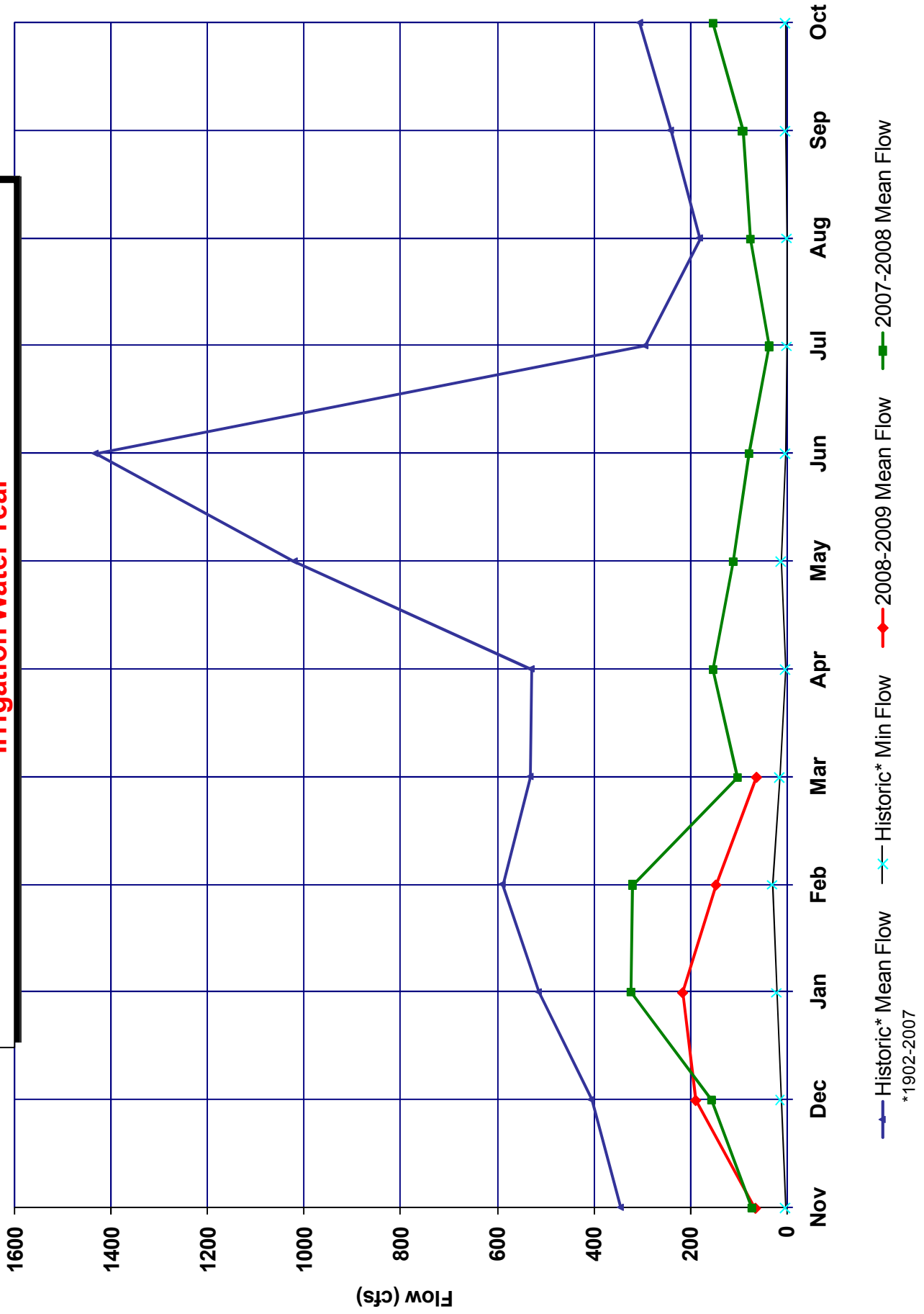
South Platte River at Kersey

Irrigation Water Year



South Platte River at Julesburg

Irrigation Water Year



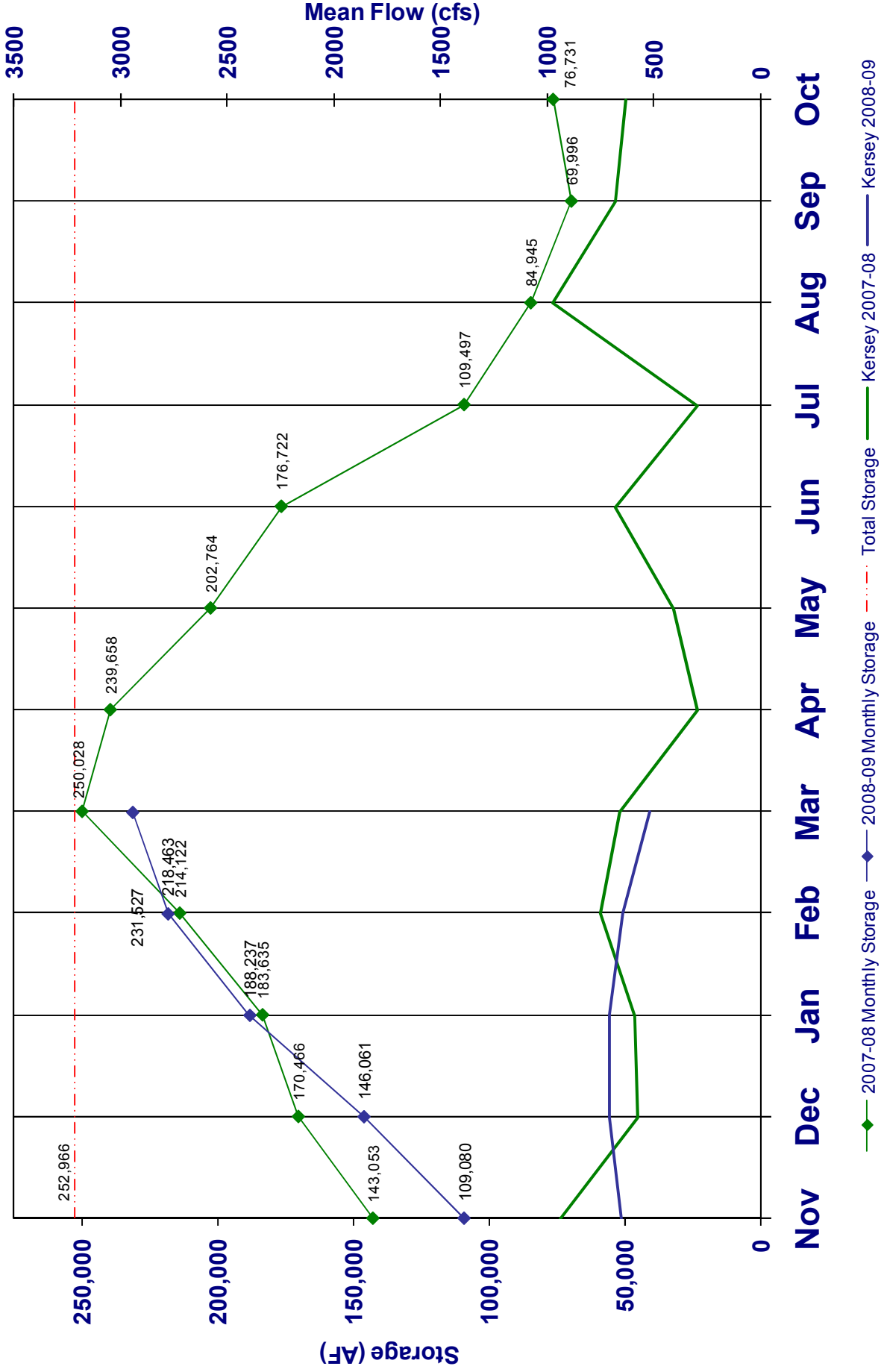
Next four slides show Reservoir Storage below and above Kersey



Empire Snow Survey Site
(Photo by Jana Ash)

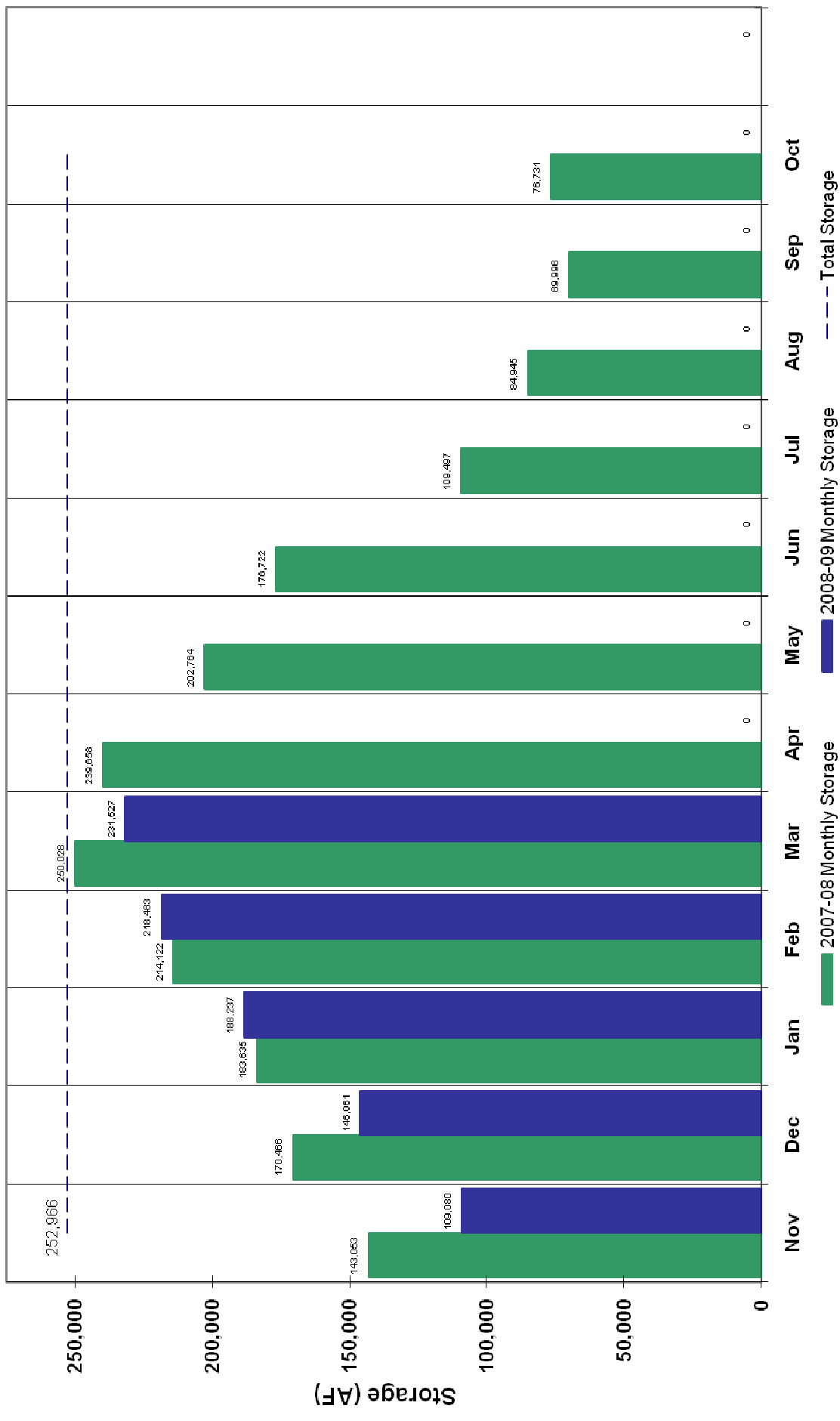
Reservoir Storage below Kersey

Selected Reservoirs*



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

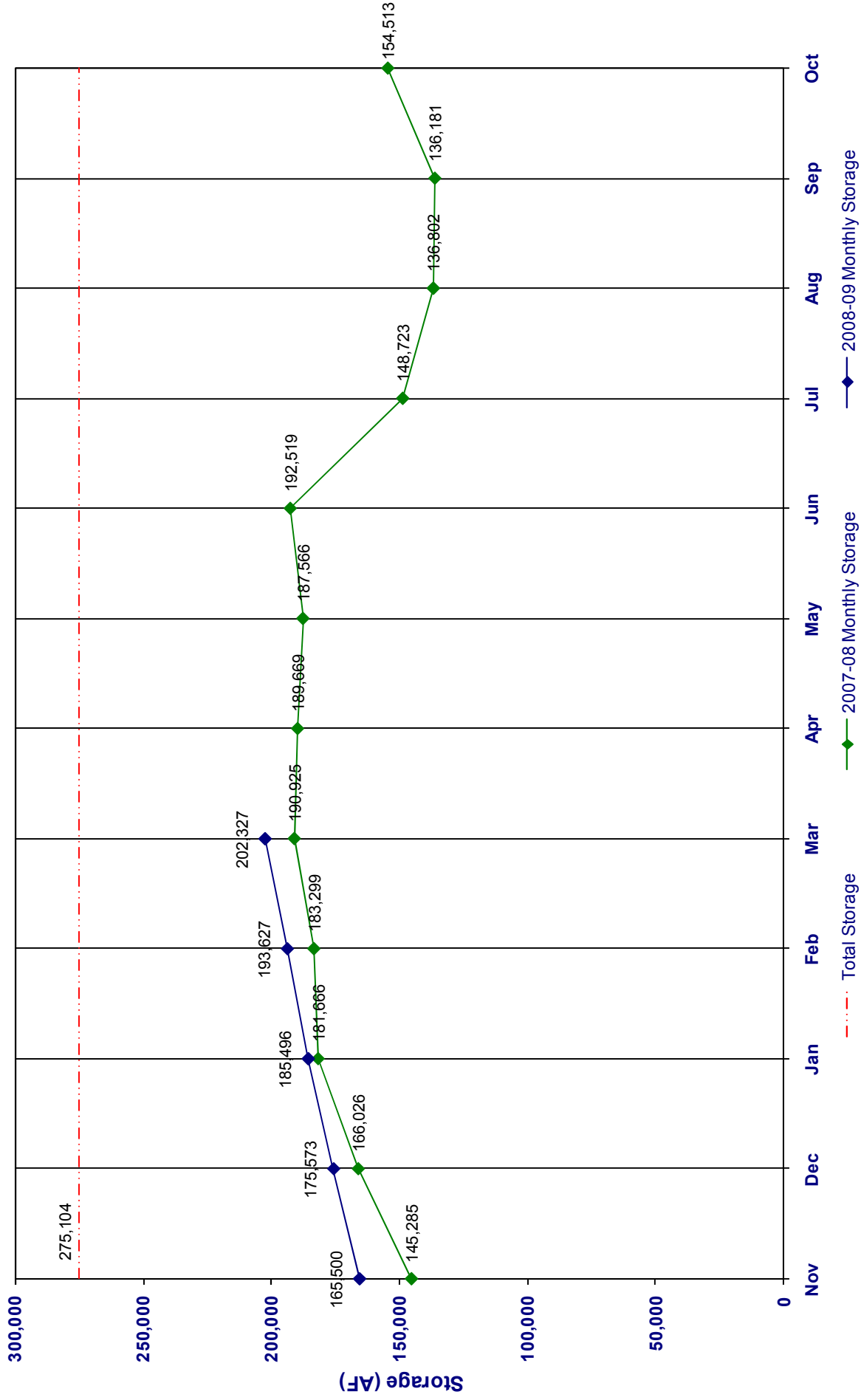
South Platte Reservoirs Storage below Kersey*



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

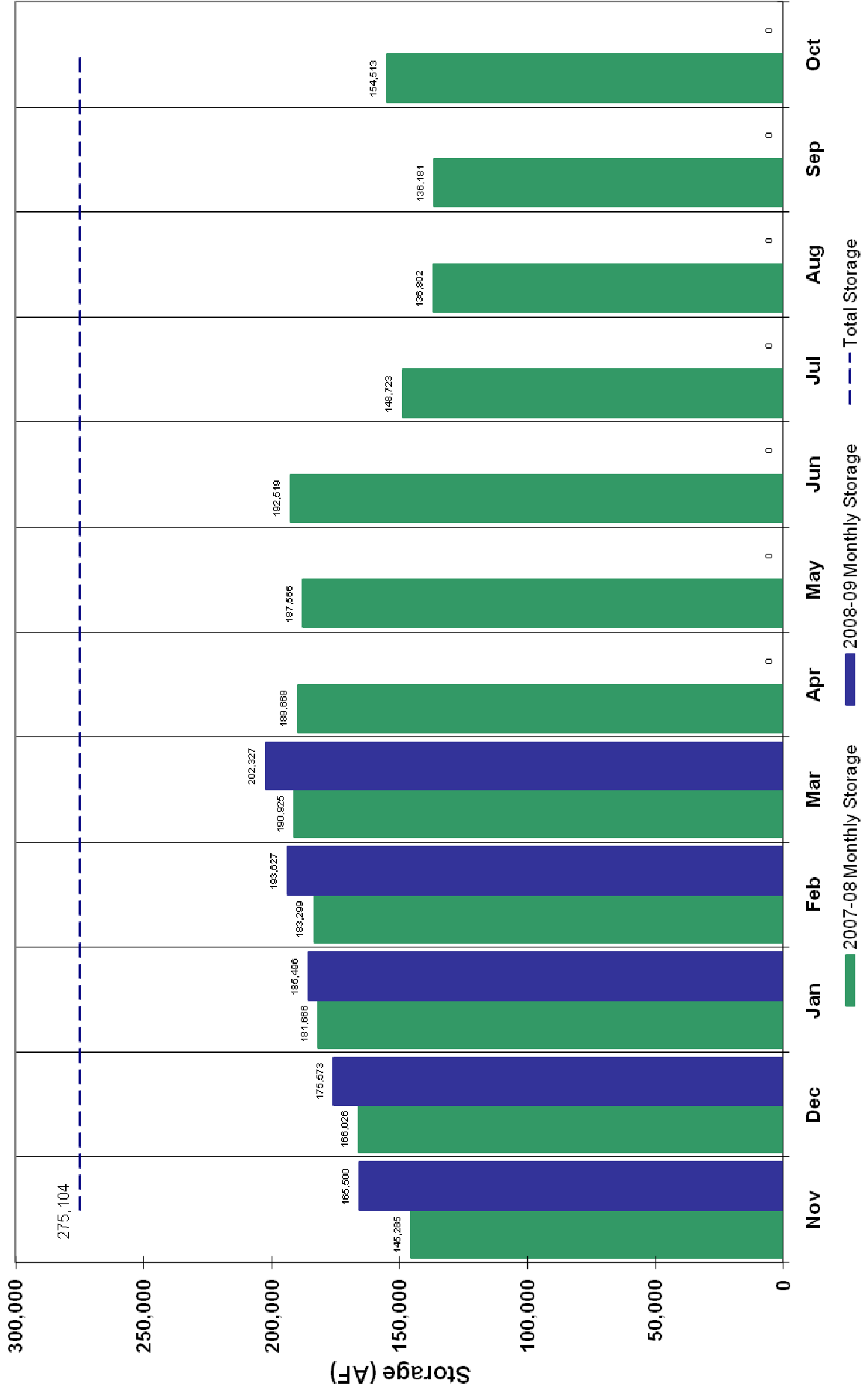
Reservoir Storage above Kersey

Selected Reservoirs*



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

South Platte Reservoirs Storage above Kersey*



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

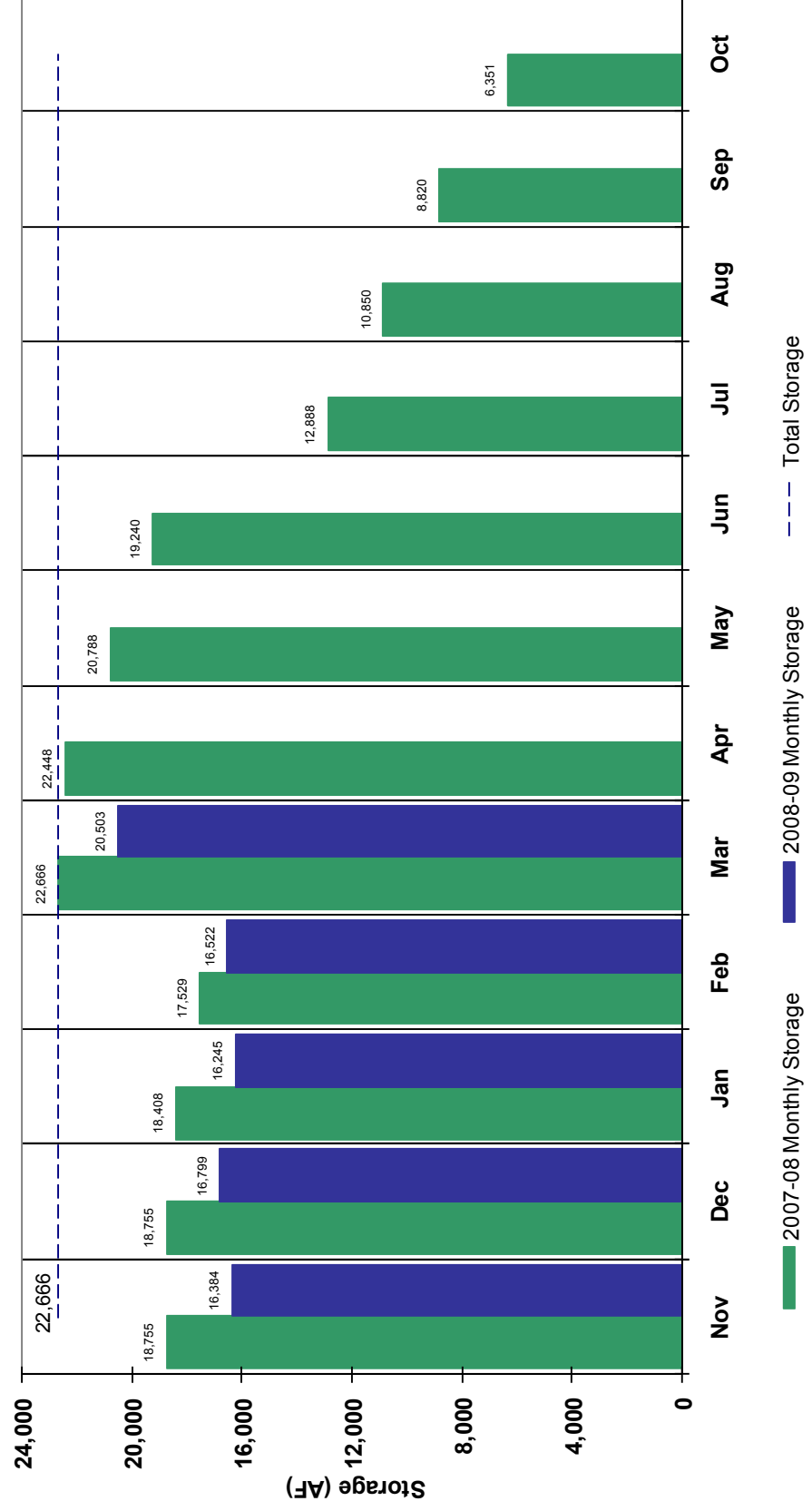
Individual Reservoir Storage Follows



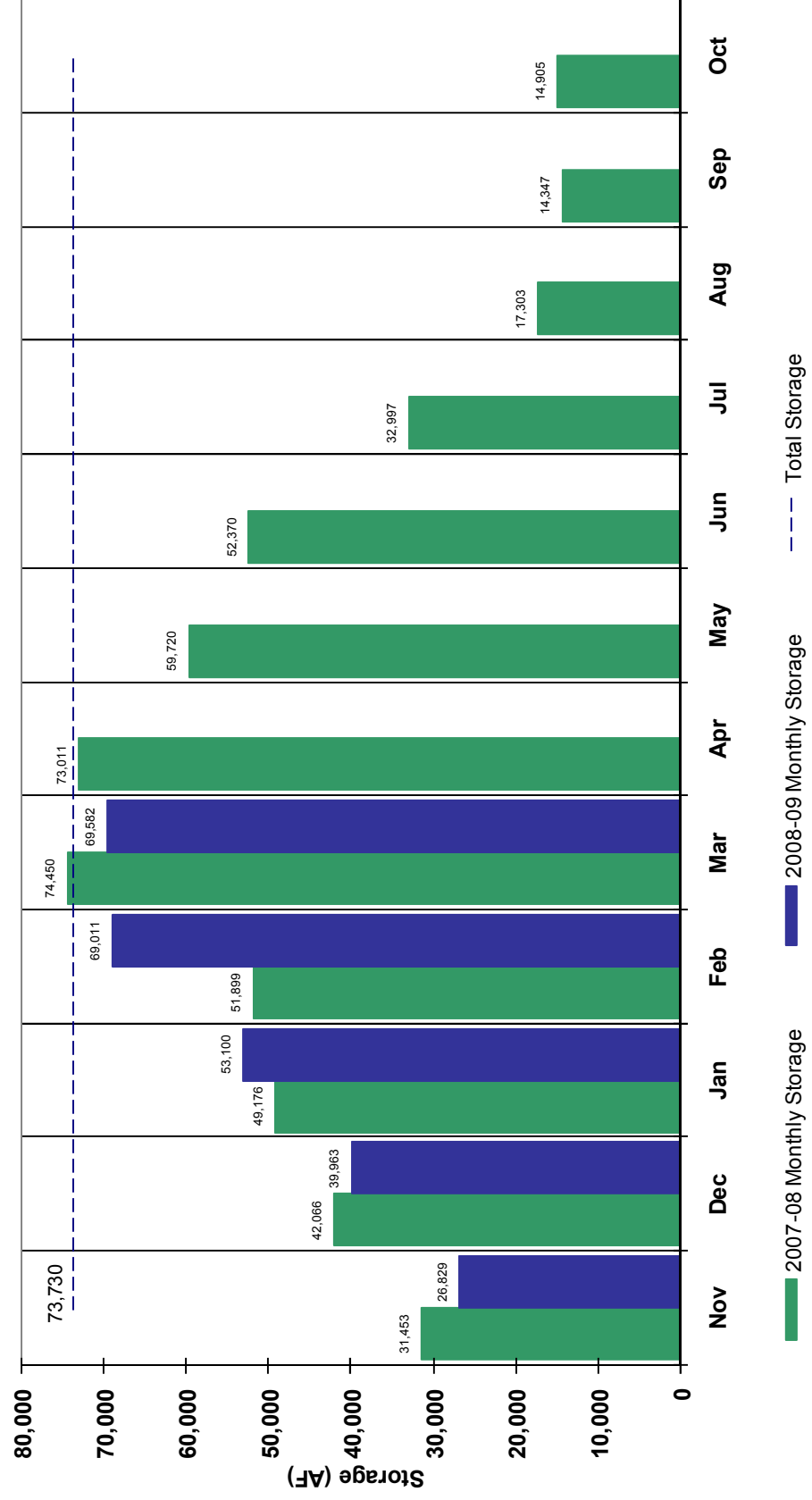
Empire Snow Survey Site
(Photo by Jana Ash)

Julesburg Reservoir

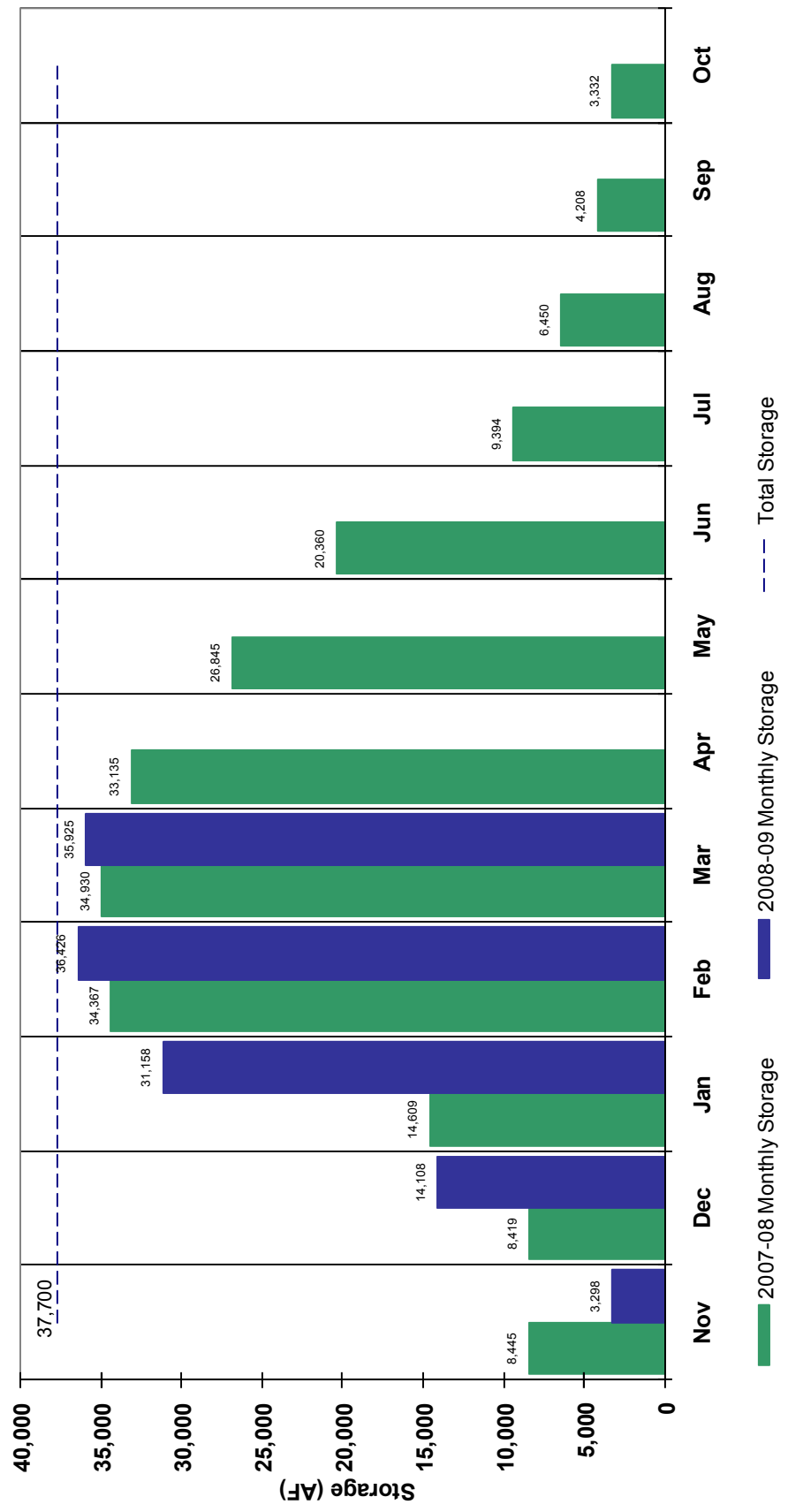
(District 64 - Agricultural)



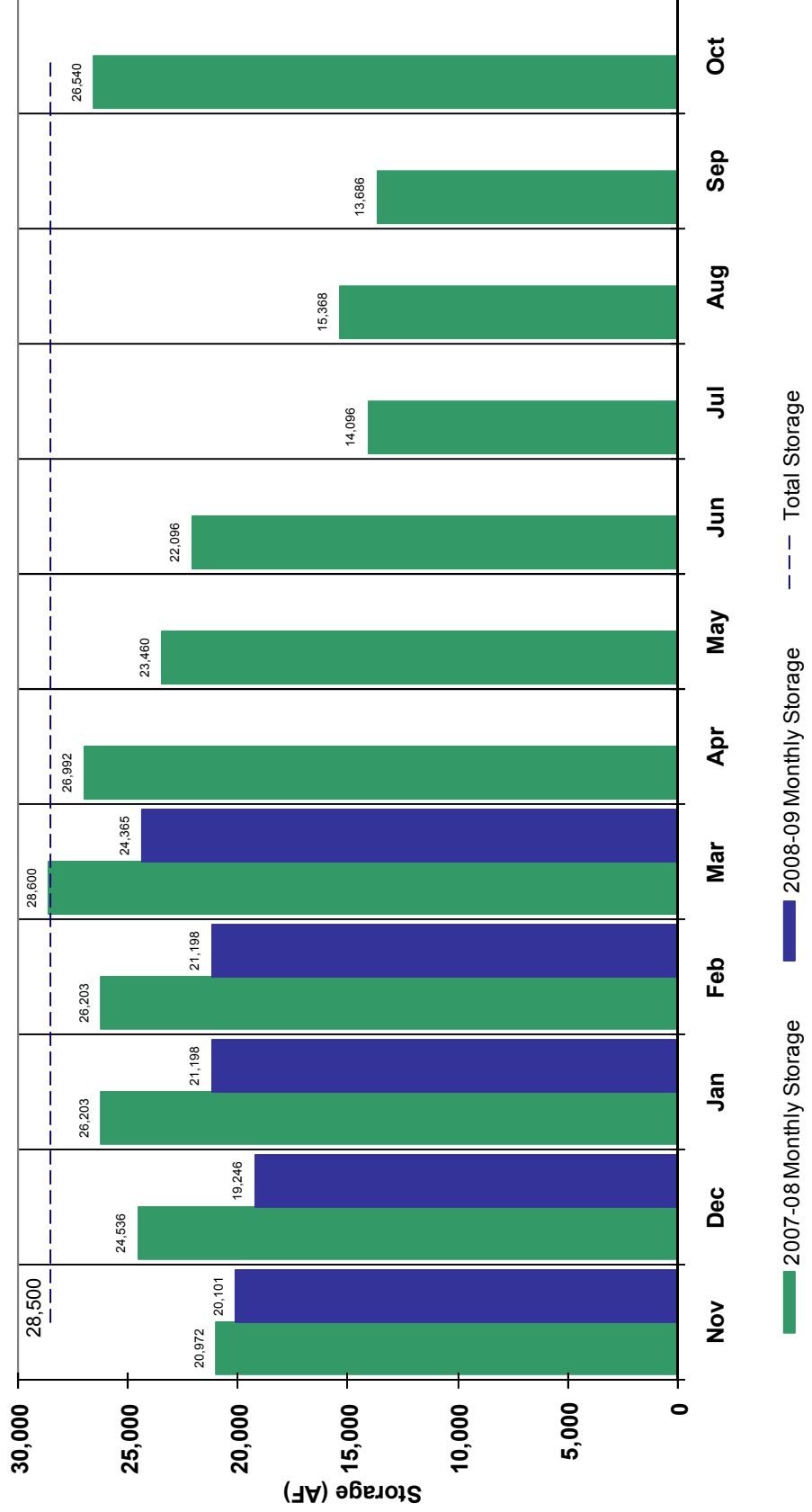
North Sterling Reservoir (District 64-Agricultural)



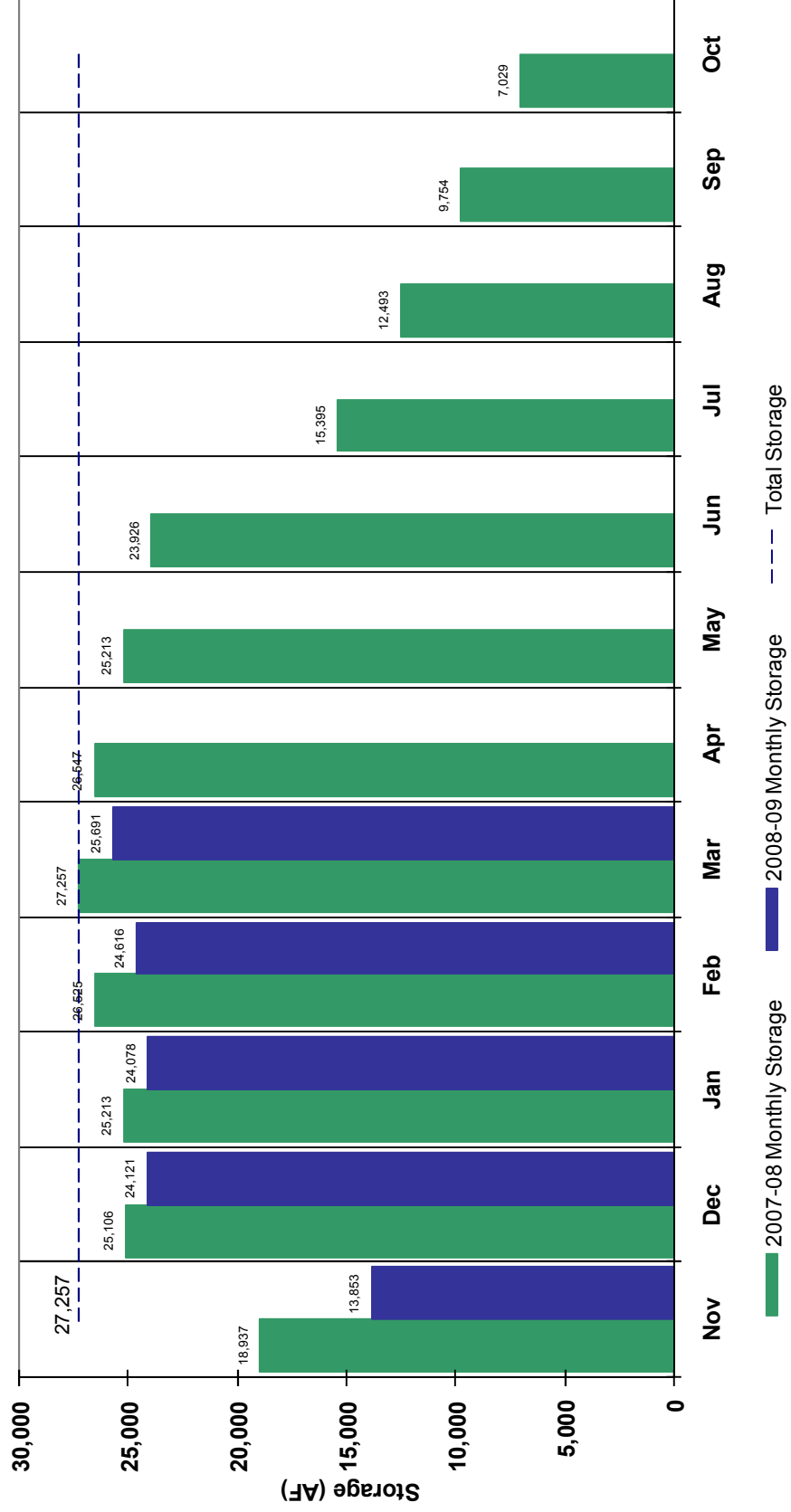
Empire Reservoir (District 1 - Agricultural)



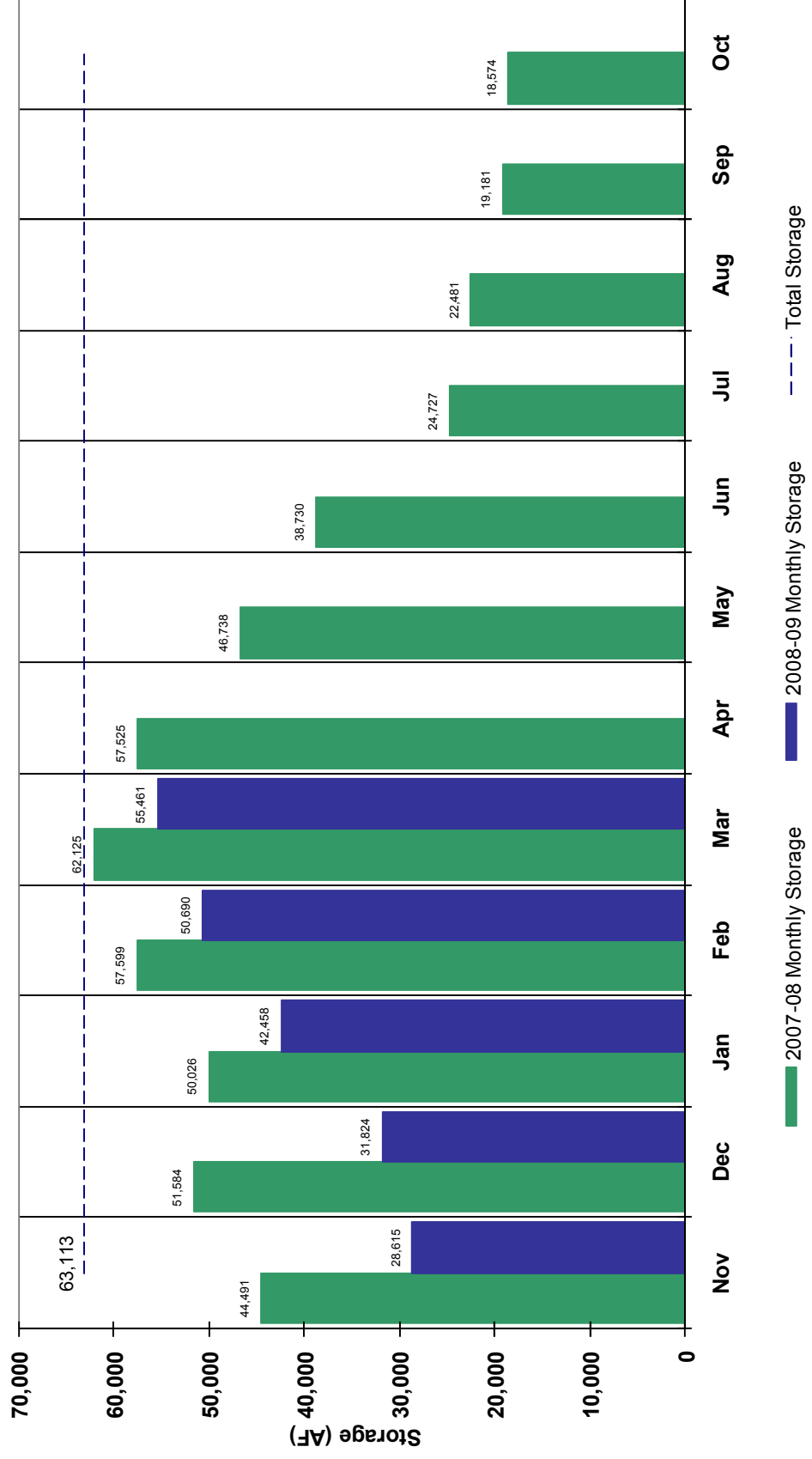
Prewitt Reservoir (District 64-Agricultural)



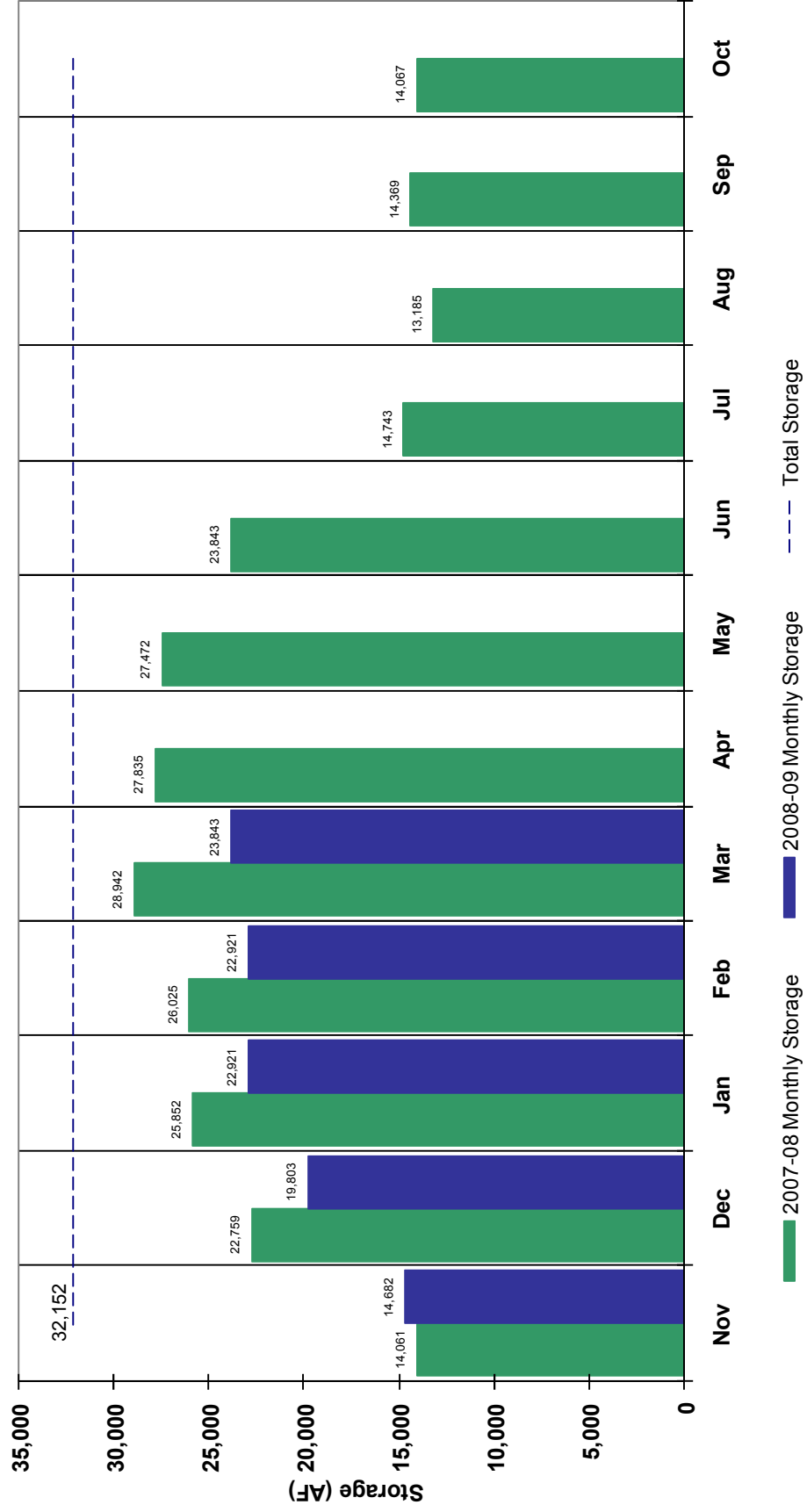
Jackson Reservoir (District 1 - Agricultural)



Riverside Reservoir (District 1 - Agricultural)

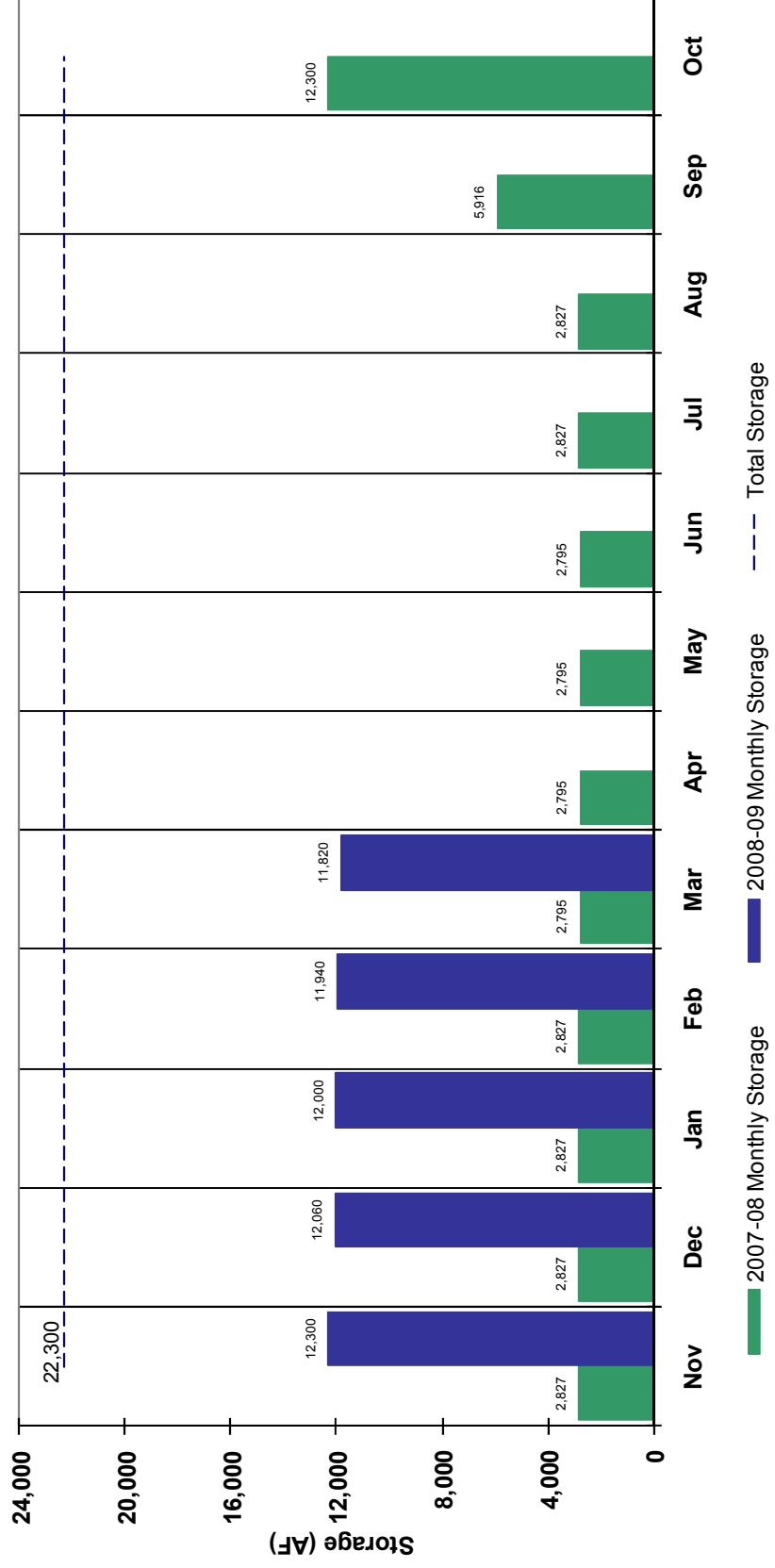


Barr Lake (District 2 - Agricultural)



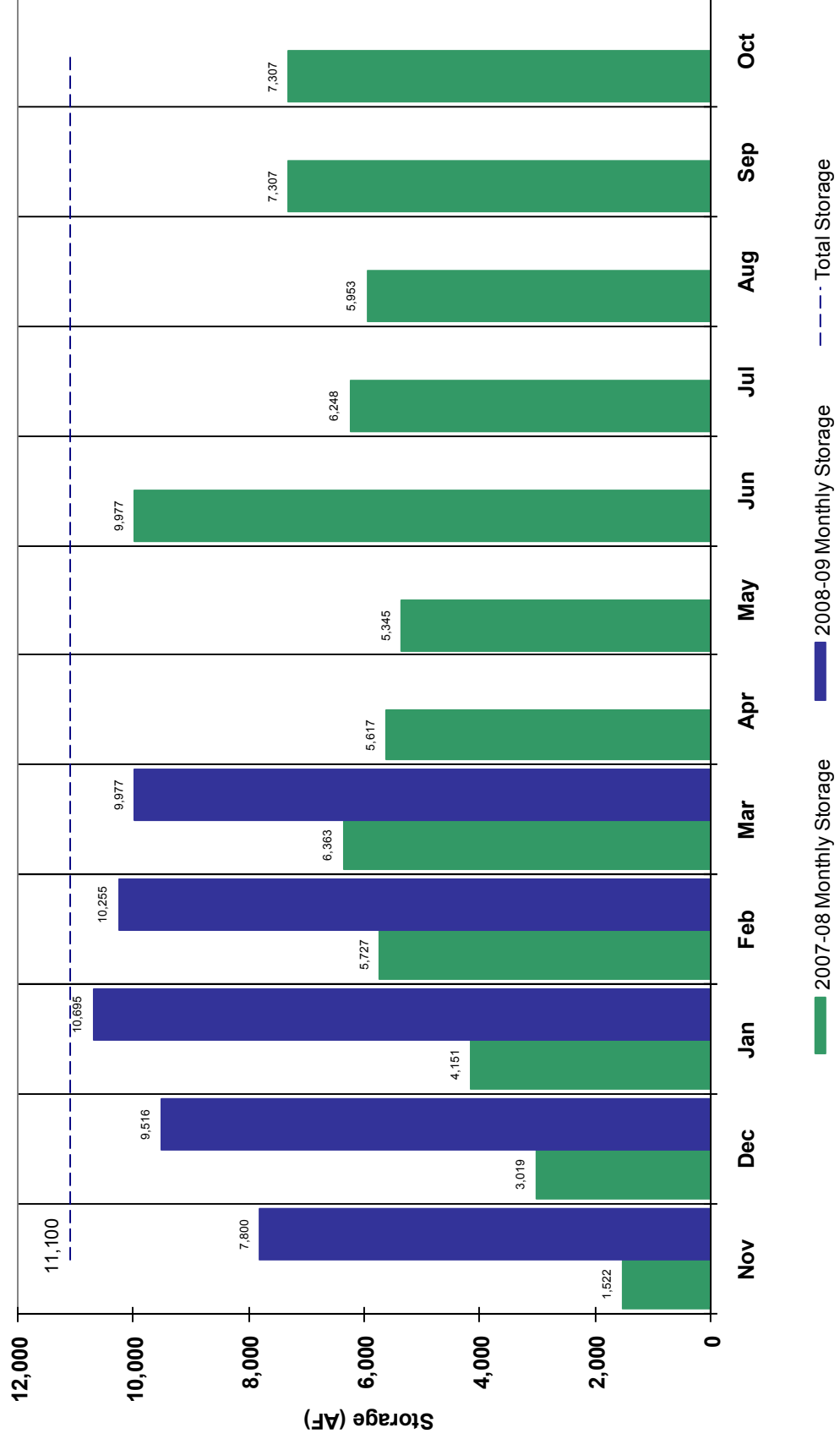
Cobb Lake

(District 3, Poudre River - Agricultural)



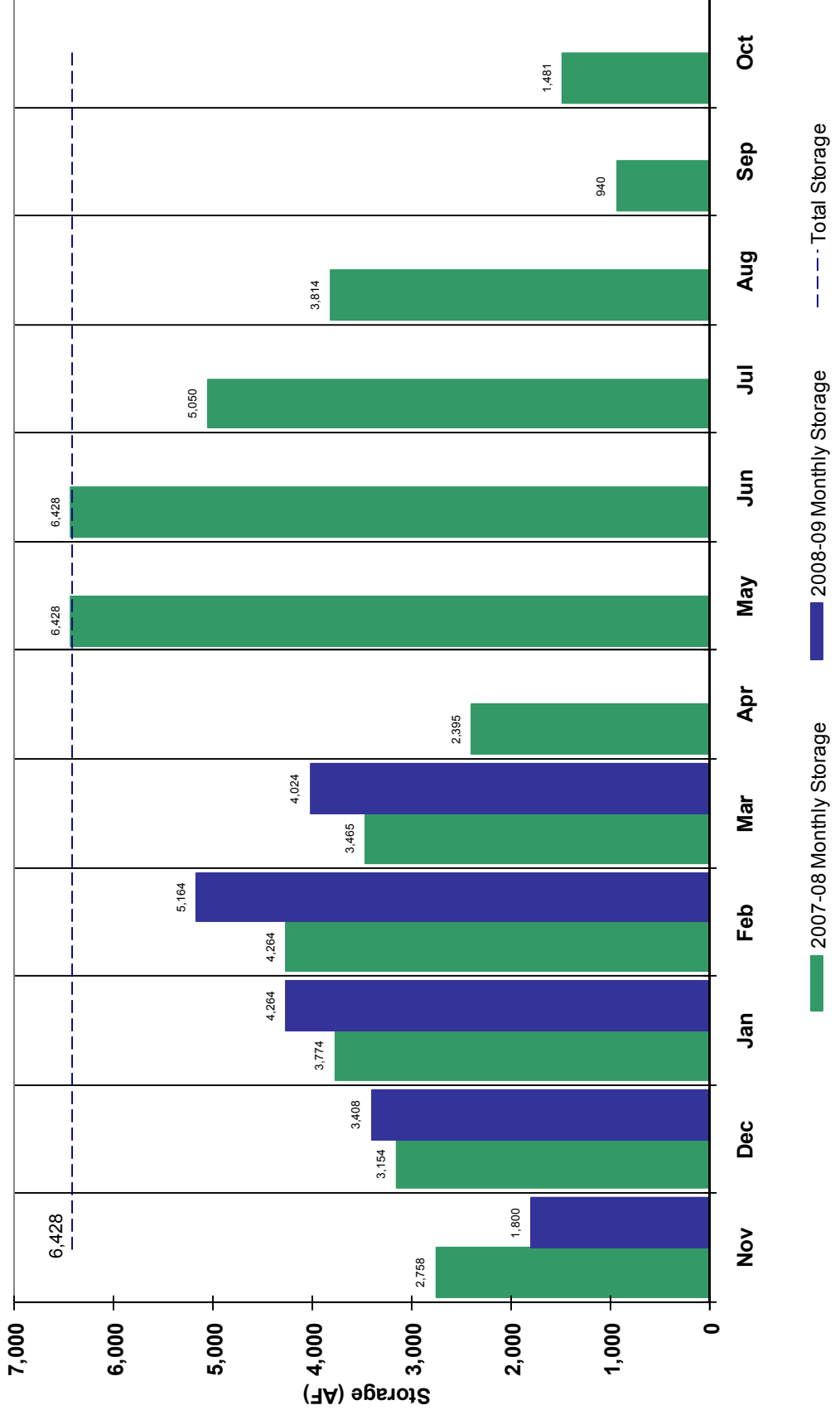
Fossil Creek Reservoir

(District 3, Poudre River - Agricultural)



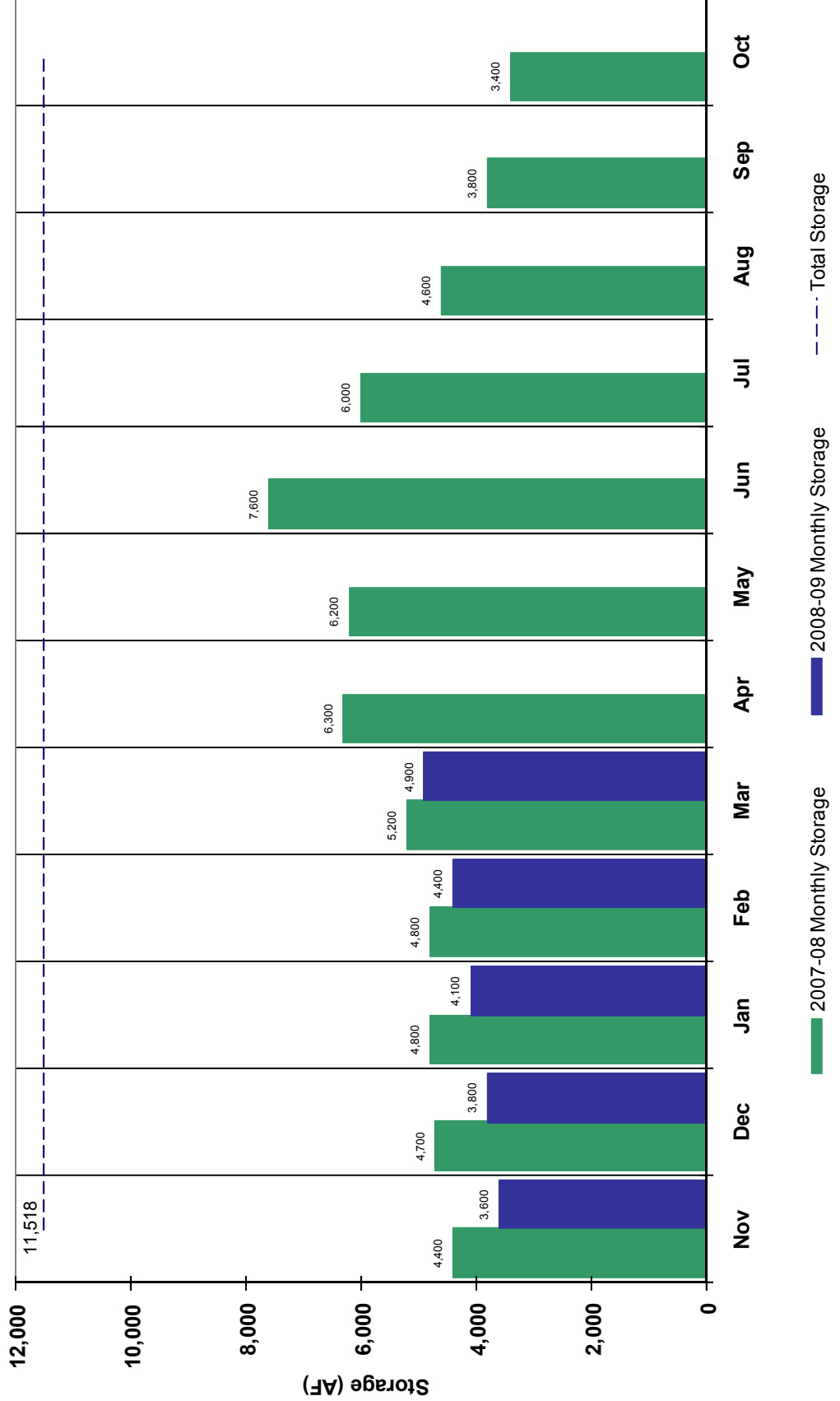
Halligan Reservoir

(District 3, Poudre River - Agricultural)



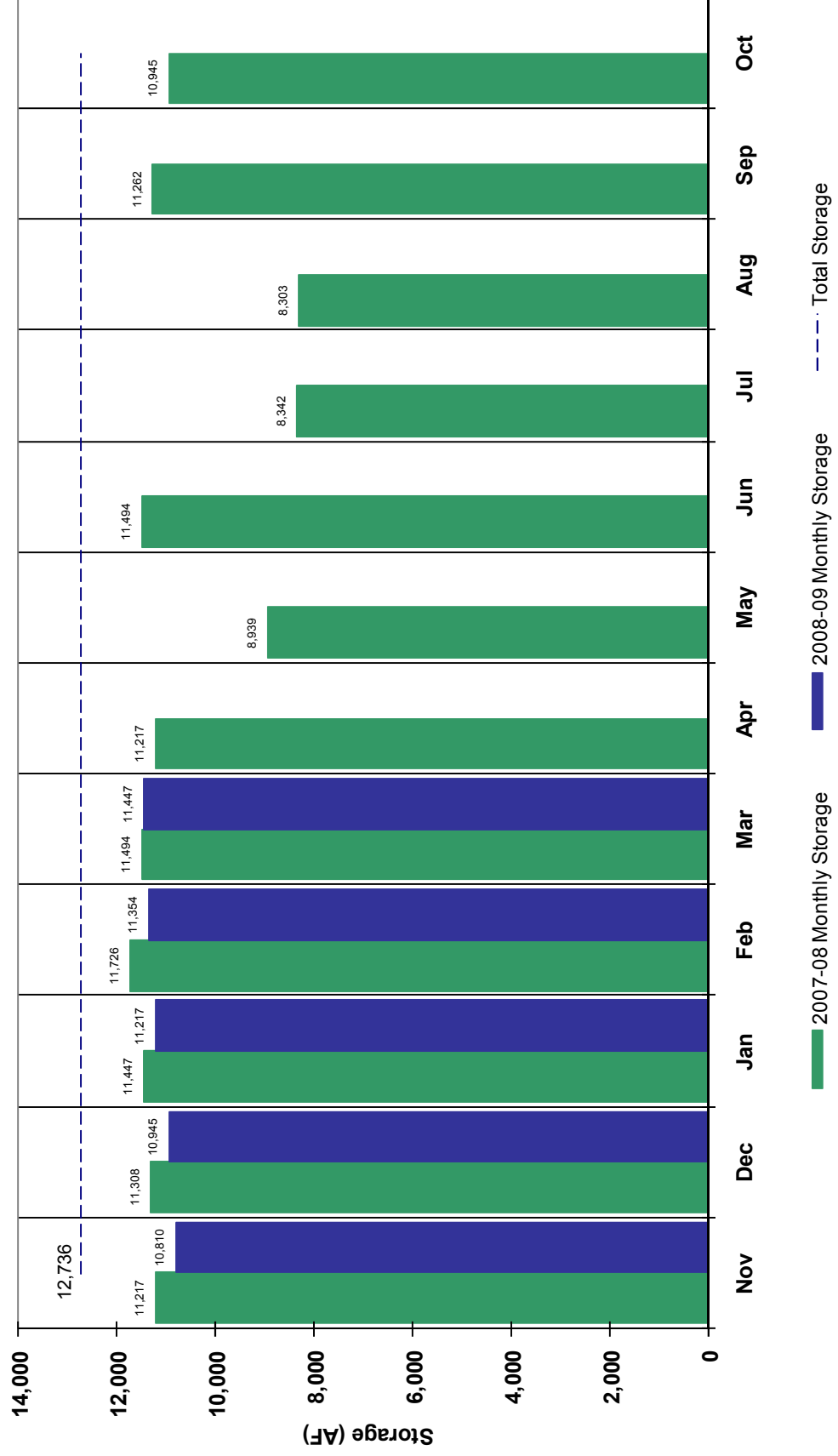
Marshall Lake

(District 6, Boulder Creek - Agricultural)

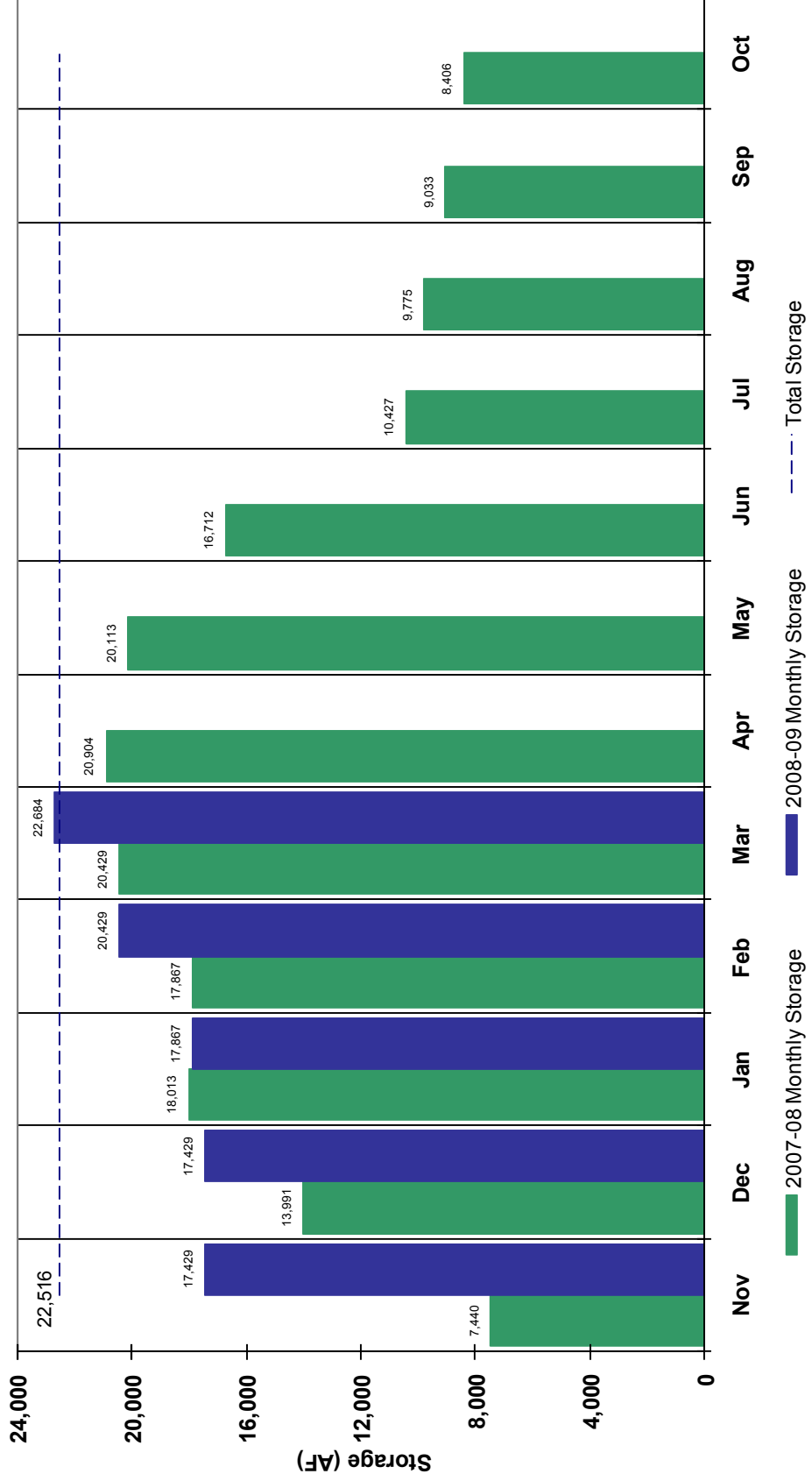


Loveland Greeley Reservoir

(District 4, Big Thompson River - Agricultural)

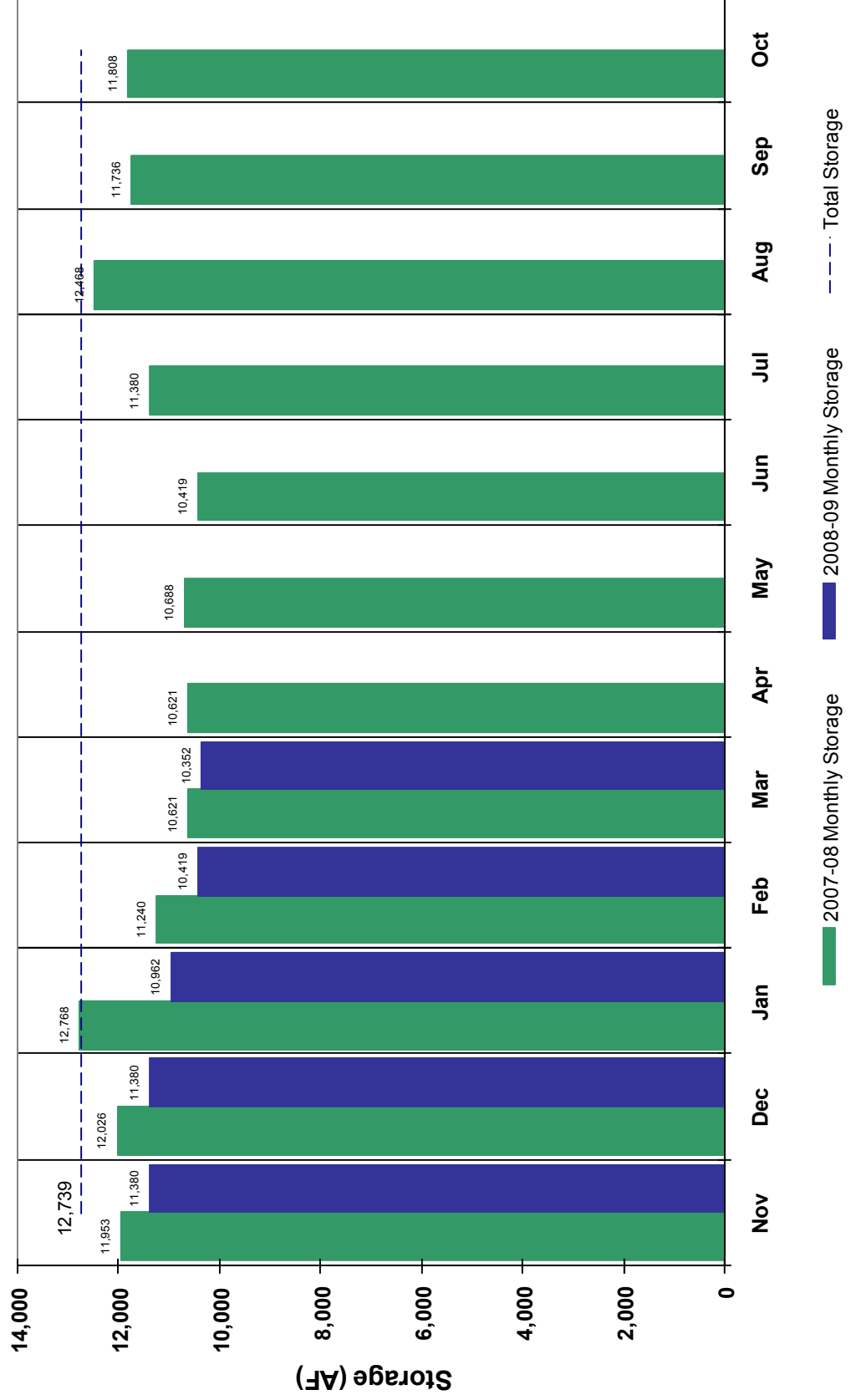


Milton Reservoir (District 2 - Agricultural)

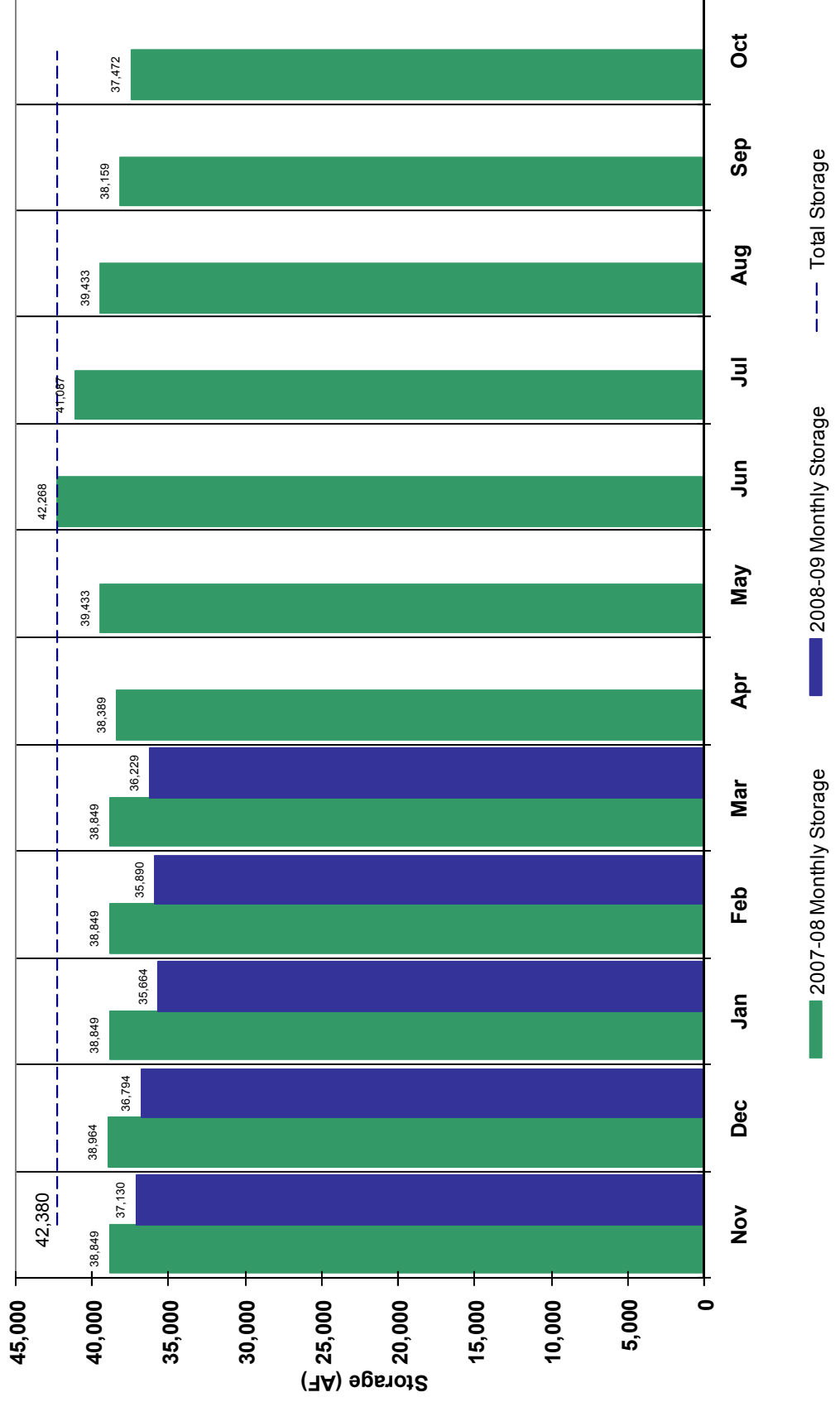


Union Reservoir

(District 5, St. Vrain Creek - Agricultural)

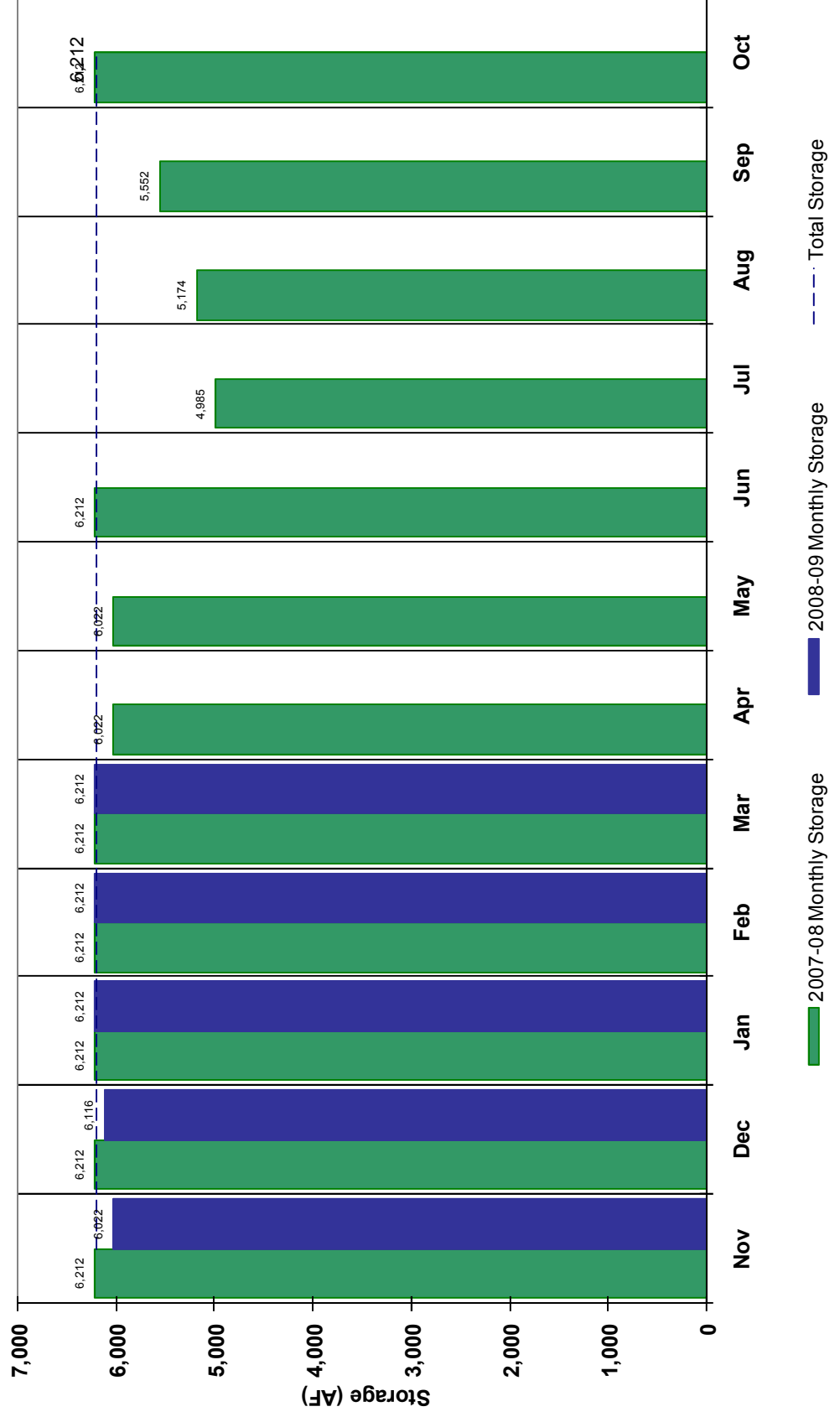


Standley Lake (Agricultural)



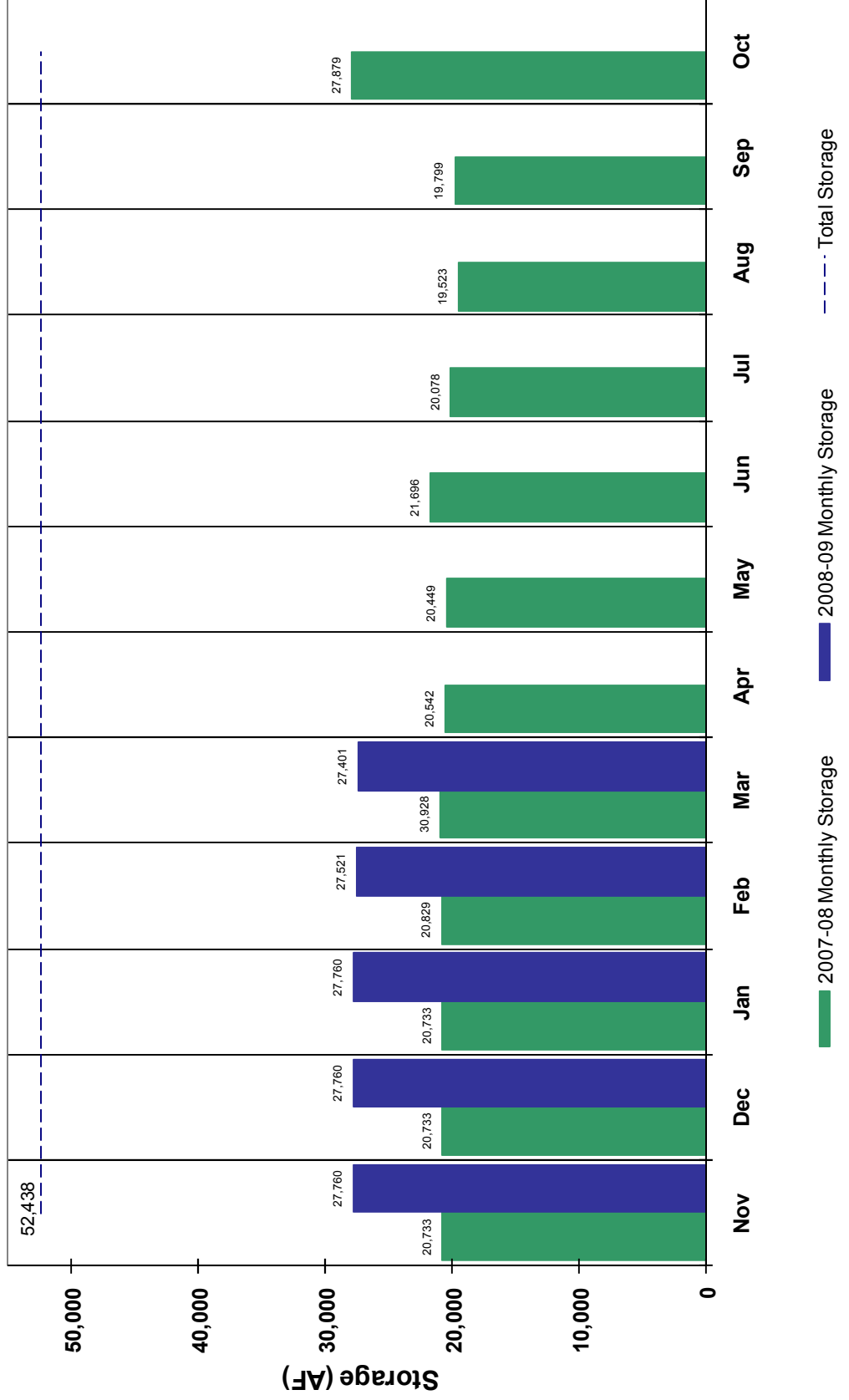
Lower Latham Reservoir

(District 2 - Agricultural)



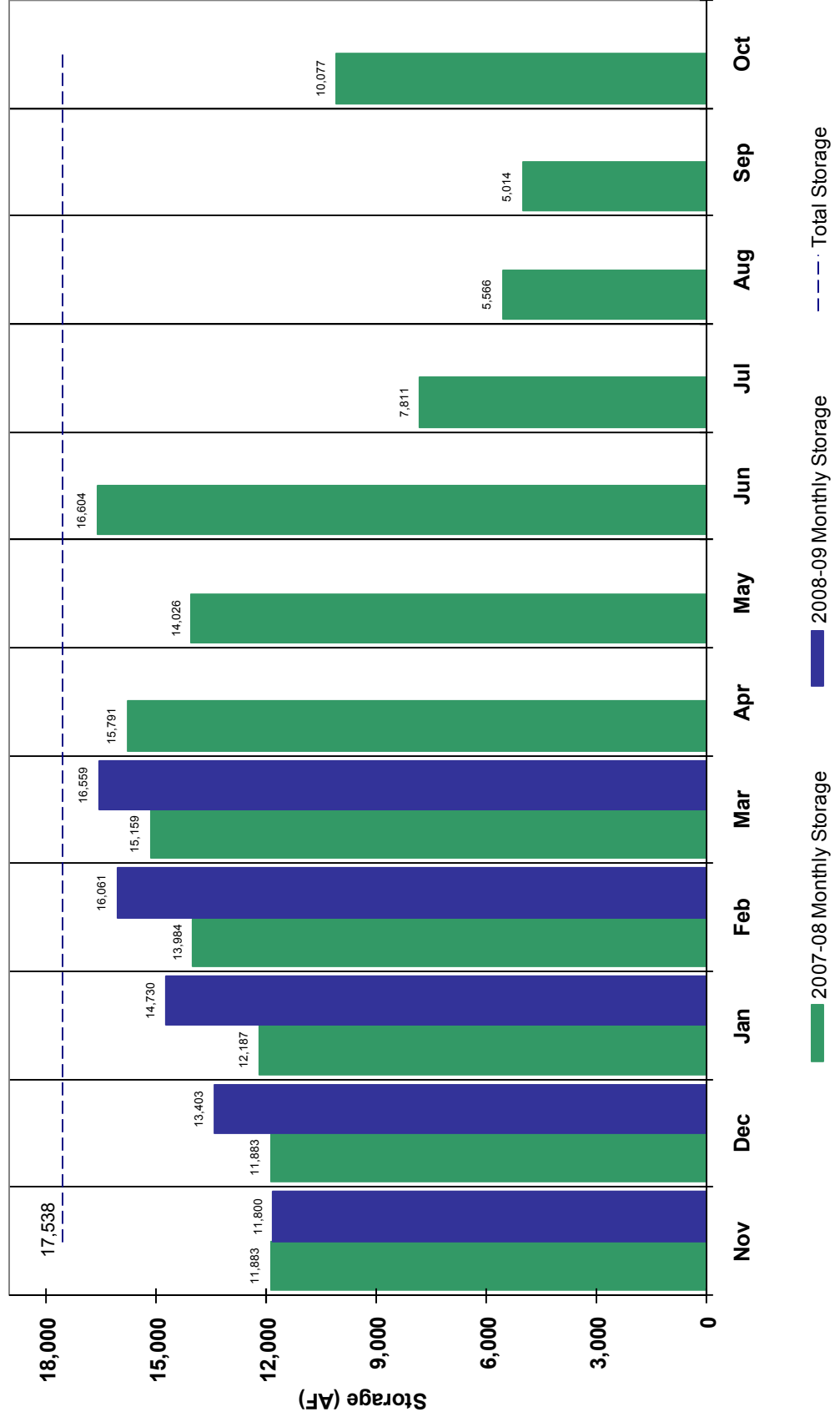
Boyd Lake

(District 4, Big Thompson River - Agricultural)

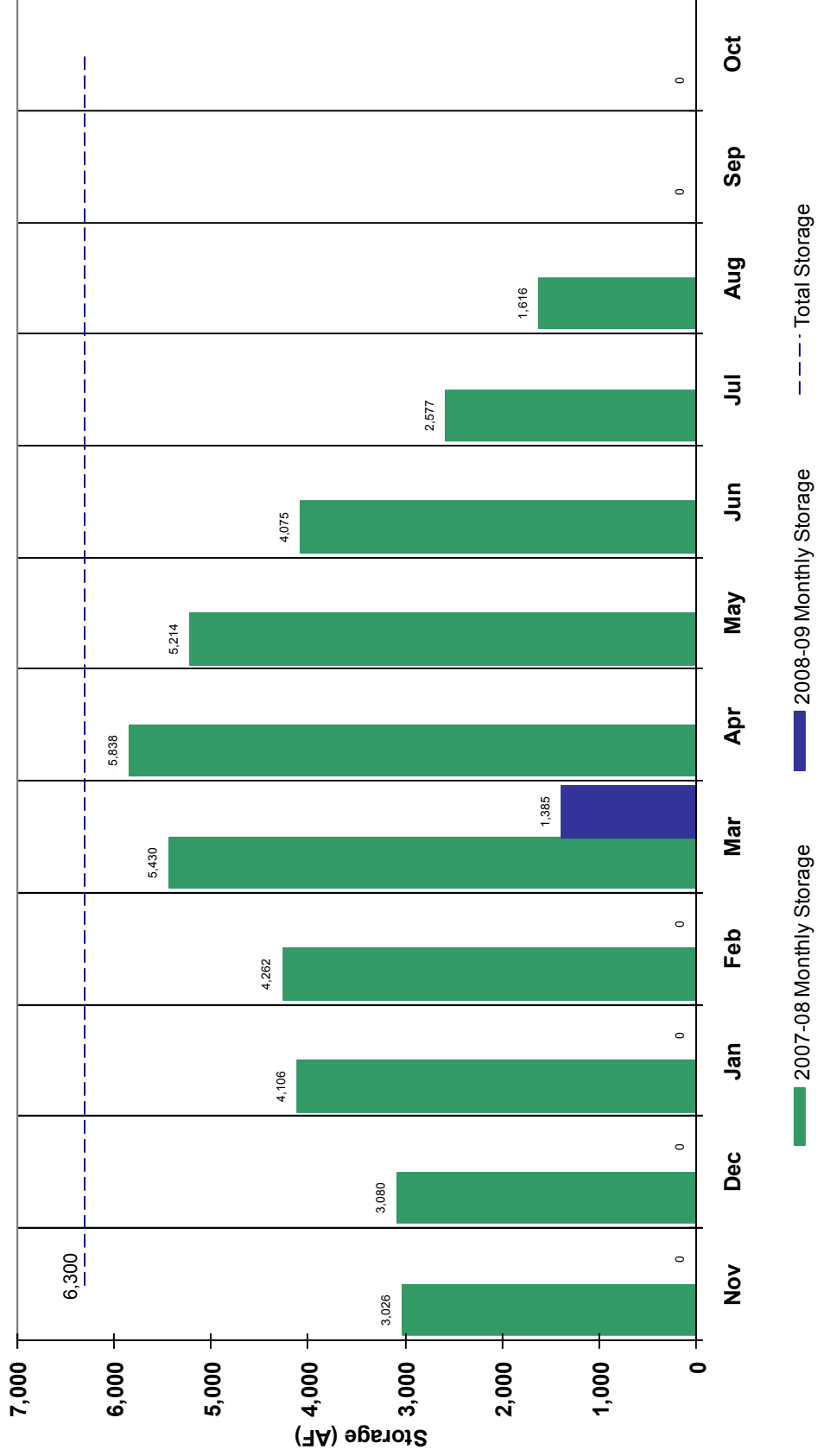


Windsor Reservoir

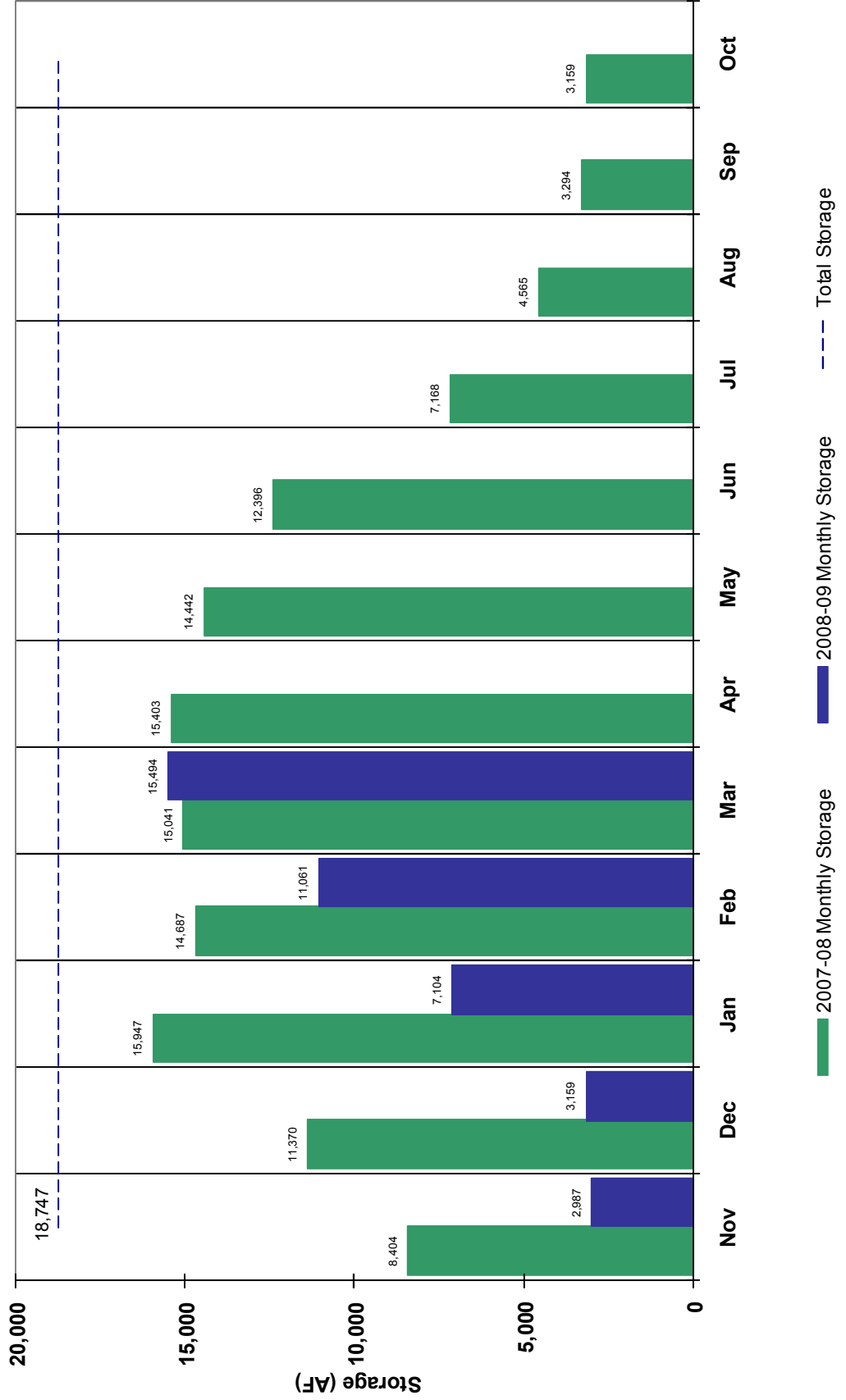
(District 3, Poudre River - Agricultural)



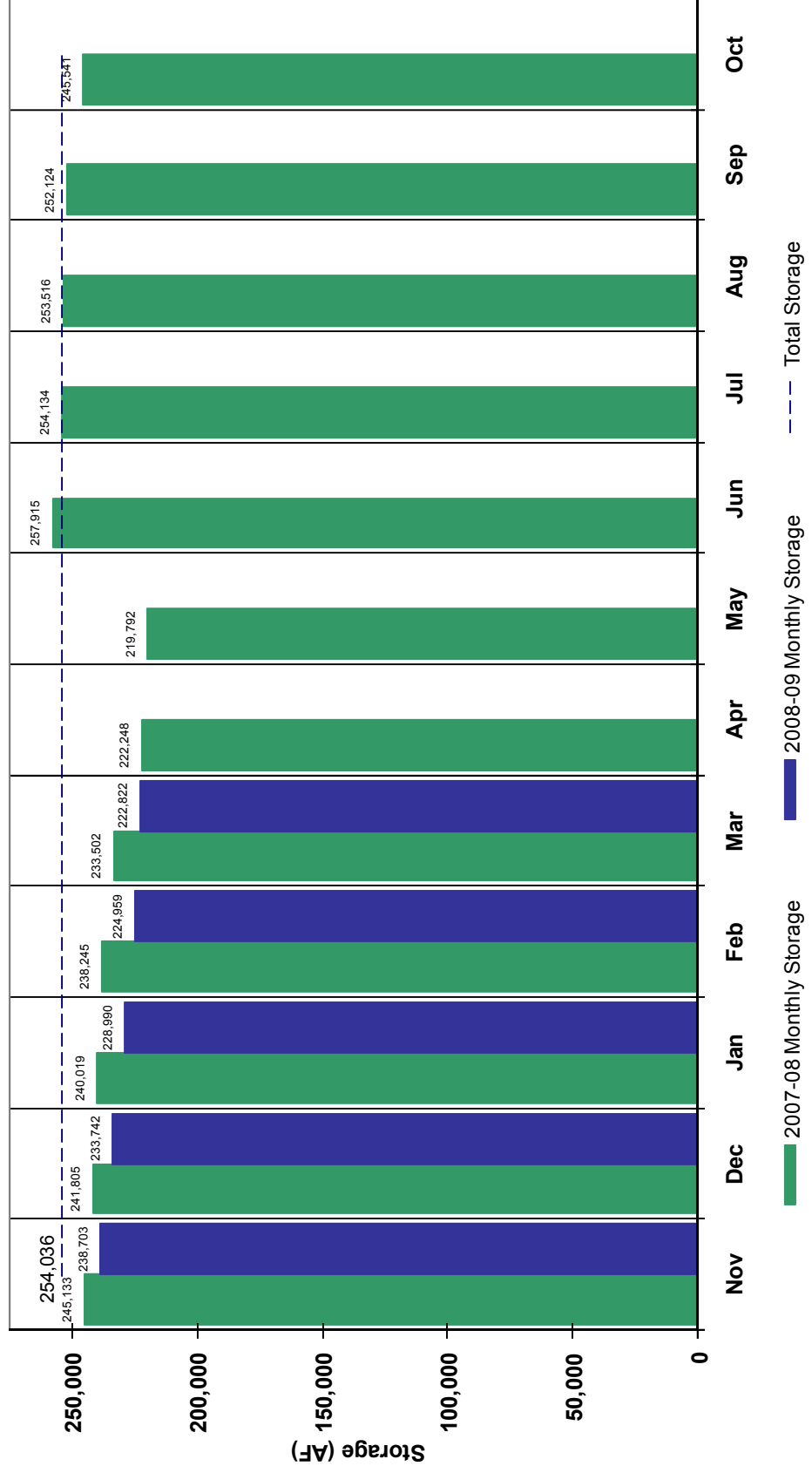
Prospect Reservoir (District 1 - Agricultural)



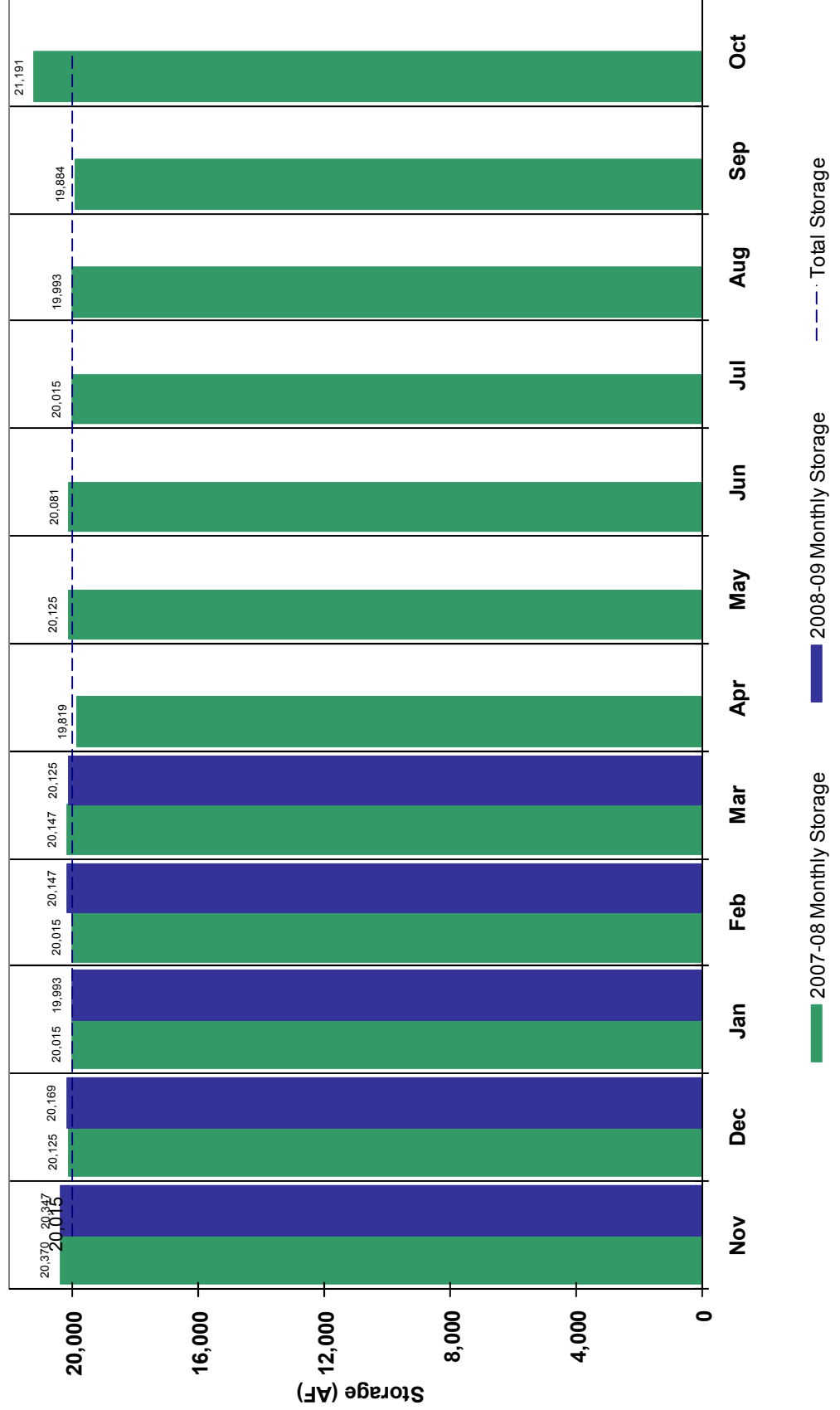
Horse Creek Reservoir (District 1 - Agricultural)



Dillon Reservoir (Municipal)

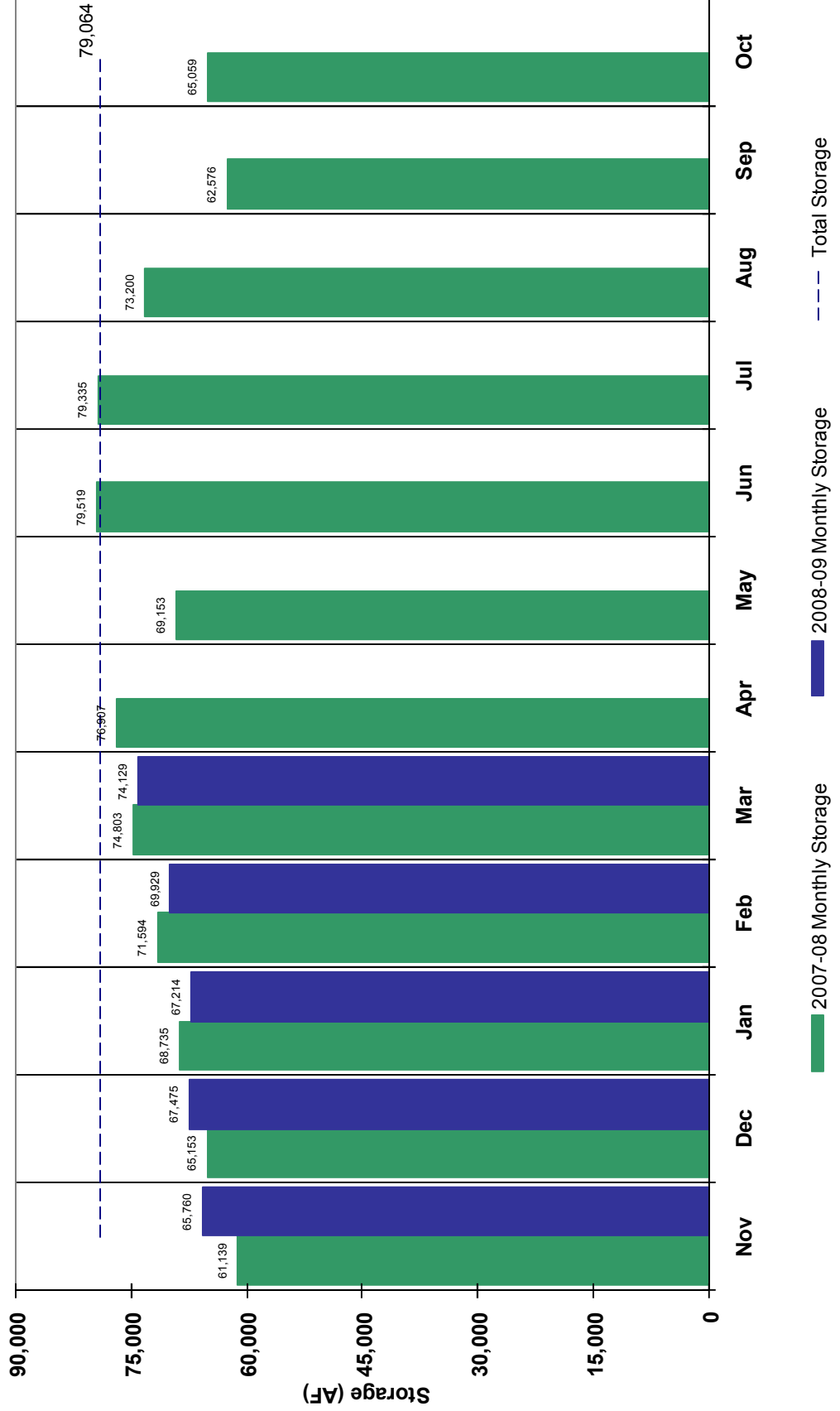


Antero Reservoir (District 23 - Municipal)



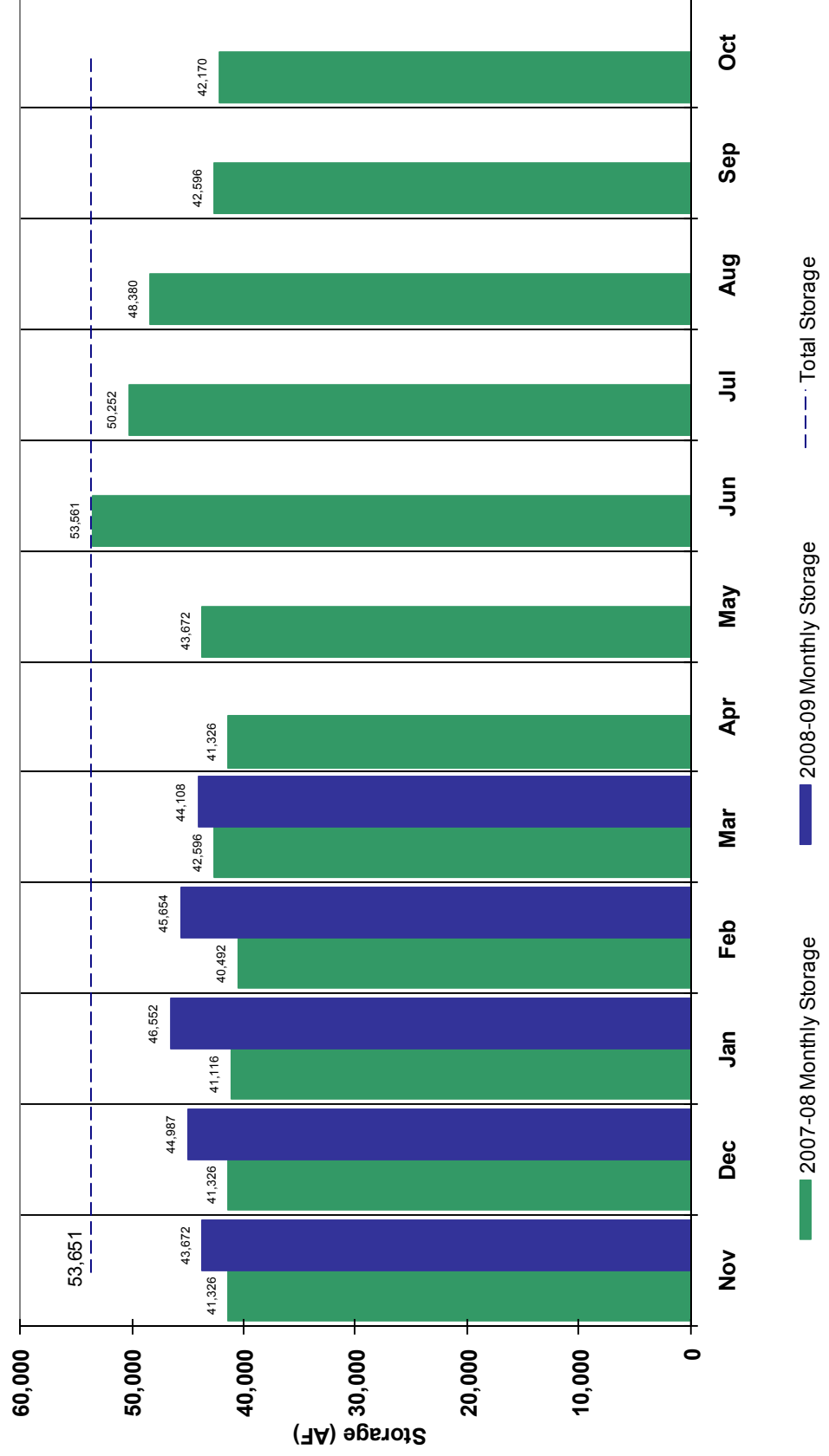
Cheesman Reservoir

(District 80 - Municipal)

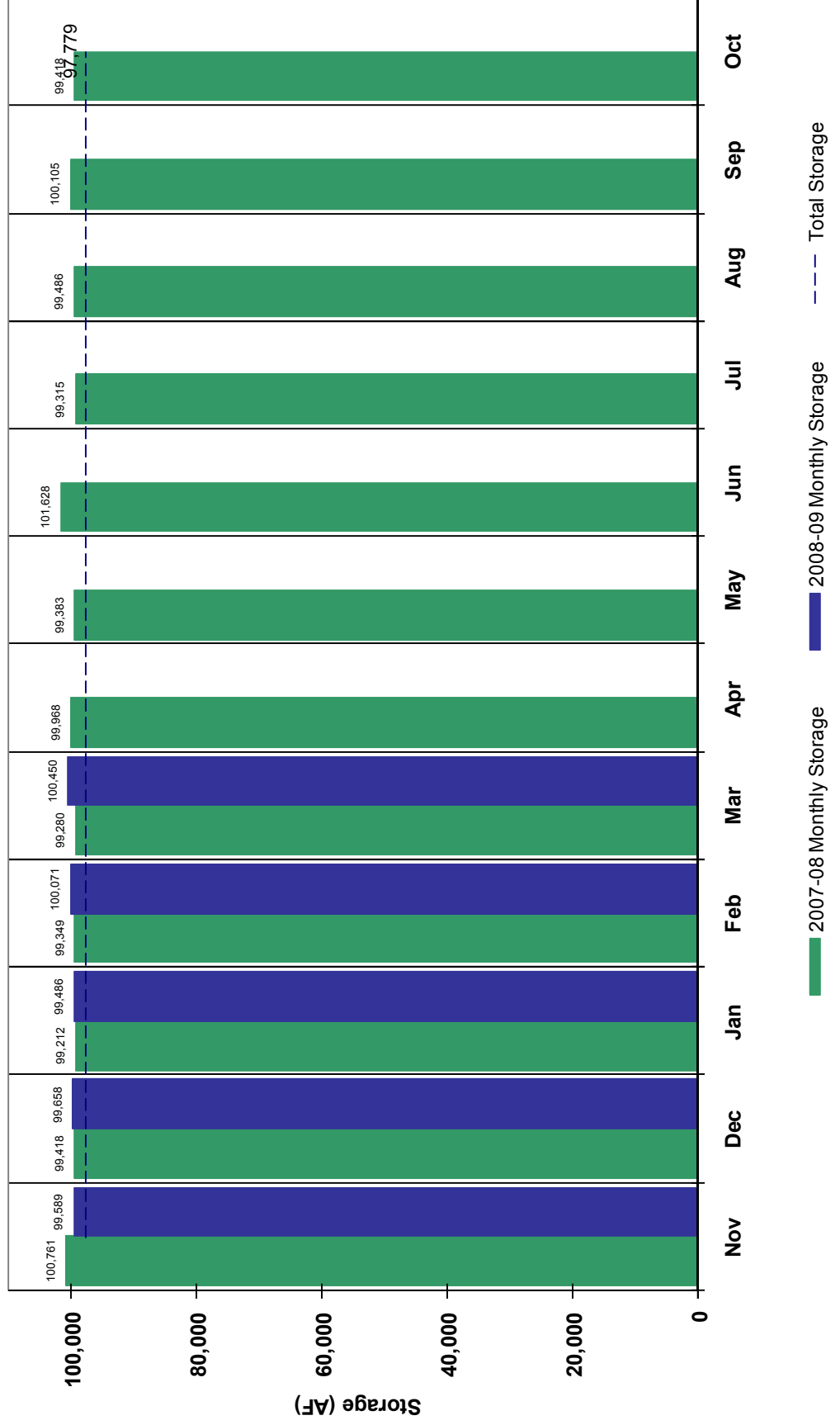


Spinney Mountain Reservoir

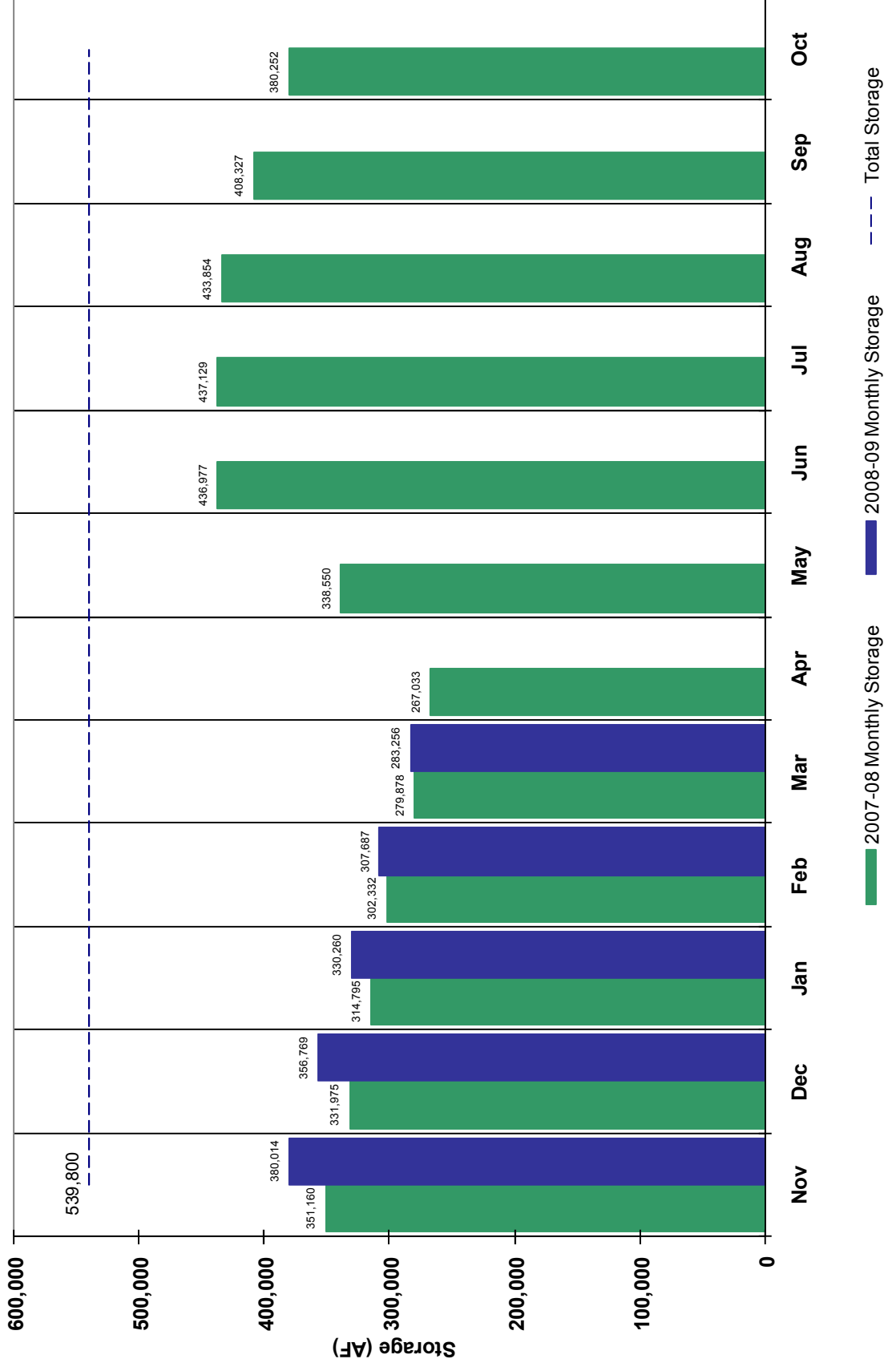
(District 23 - Municipal)



Eleven Mile Reservoir (District 23 - Municipal)



Lake Granby



**All data is collected by the personnel of
Division 1 and is subject to revision.**



**Empire Snow Survey Site
(Photo by Jana Ash)**