



Colorado River Municipal Water District

Monthly Water Report

March 2022

COLORADO RIVER MUNICIPAL WATER DISTRICT

PO Box 869, 400 East 24th Street

Big Spring, Texas 79721-0869

**Colorado River Municipal Water District
Water Delivered
March 2022**

Raw Water System

| Member Cities | Total Deliveries This Month (Gal) | Daily Average For Month (Gal) | Year-to-Date (Gal) |
|----------------------|--|--|-------------------------------|
| Big Spring | 137,951,000 | 4,450,032 | 377,524,000 |
| Odessa | 513,521,700 | 16,565,216 | 1,370,607,000 |
| Snyder | 52,822,000 | 1,703,935 | 150,839,000 |
| Subtotal | 704,294,700 | 22,719,184 | 1,898,970,000 |

Municipal Customers

| | | | |
|-------------------------|--------------------|-------------------|----------------------|
| Grandfalls | 0 | 0 | 0 |
| Midland - 1966 Contract | 314,260,000 | 10,137,419 | 937,540,000 |
| Midland - Ivie Contract | 115,364,000 | 3,721,419 | 331,644,000 |
| Millersview Doole WSC | 25,414,100 | 819,810 | 96,954,800 |
| San Angelo - Spence | 0 | 0 | 0 |
| San Angelo - Ivie | 346,500,000 | 11,177,419 | 956,000,000 |
| Stanton | 651,700 | 21,023 | 11,792,400 |
| Abilene | 18,219,000 | 587,710 | 162,489,000 |
| Subtotal | 820,408,800 | 26,464,800 | 2,496,420,200 |

Industrial Customers

| | | | |
|---------------------|-------------------|----------------|-------------------|
| Alon Rural Meters | 5,002,110 | 161,358 | 11,468,230 |
| Luminant Generation | 0 | 0 | 0 |
| Occidental | 630 | 20 | 6,010 |
| Parallel Petroleum | 22,100 | 713 | 30,200 |
| Power Resources | 10,729,000 | 346,097 | 25,704,000 |
| Subtotal | 15,753,840 | 508,188 | 37,208,440 |

Diverted Water System

Industrial Customers

| | | | |
|---------------------|----------------|---------------|------------------|
| BASA Resources | 326,800 | 10,542 | 4,623,600 |
| Sabinal | 30,000 | 968 | 72,200 |
| Rover Operating | 37,440 | 1,208 | 578,200 |
| Fleur de Lis Energy | 0 | 0 | 0 |
| Subtotal | 394,240 | 12,717 | 5,274,000 |

| | | | |
|-------------------------|----------------------|-------------------|----------------------|
| Total Deliveries | 1,540,851,580 | 49,704,890 | 4,437,872,640 |
|-------------------------|----------------------|-------------------|----------------------|

**COLORADO RIVER MUNICIPAL WATER DISTRICT
RESERVOIR REPORT
March 2022**

| <u>Lake J. B. Thomas</u> | <u>This Month</u> | <u>Year-to-Date Total</u> |
|-------------------------------------|-------------------|---------------------------|
| <i><u>CONTENTS IN ACRE FEET</u></i> | | |
| CAPACITY WHEN FULL | 200,604 | |
| CAPACITY THIS DATE | 74,103 | |
| PERCENT FULL | 36.94% | |
| FREE CAPACITY THIS DATE | 126,501 | |
| INFLOWS* | 77 | 276 |
| PASS THROUGH / RELEASES | 0 | 0 |
| WITHDRAWALS | 1,245 | 3,208 |
| EVAPORATION* | (1,540) | (4,188) |

| | | |
|--|----------|--|
| <i><u>ELEVATION ABOVE MEAN SEA LEVEL</u></i> | | |
| ELEVATION WHEN FULL | 2,258.00 | |
| ELEVATION THIS DATE | 2,235.35 | |

E. V. Spence Reservoir

| | | |
|-------------------------------------|---------|---------|
| <i><u>CONTENTS IN ACRE FEET</u></i> | | |
| CAPACITY WHEN FULL | 517,272 | |
| CAPACITY THIS DATE | 122,597 | |
| PERCENT FULL | 23.70% | |
| FREE CAPACITY THIS DATE | 394,675 | |
| INFLOWS* | 346 | 1,612 |
| PASS THROUGH / RELEASES | 0 | 0 |
| WITHDRAWALS | 817 | 2,725 |
| EVAPORATION* | (2,819) | (6,332) |

| | | |
|--|----------|--|
| <i><u>ELEVATION ABOVE MEAN SEA LEVEL</u></i> | | |
| ELEVATION WHEN FULL | 1,898.00 | |
| ELEVATION THIS DATE | 1,858.65 | |

**COLORADO RIVER MUNICIPAL WATER DISTRICT
RESERVOIR REPORT
March 2022**

| | <u>This Month</u> | <u>Year-to-Date Total</u> |
|--|-------------------|---------------------------|
| <u>O. H. Ivie Reservoir</u> | | |
| <i><u>CONTENTS IN ACRE FEET</u></i> | | |
| CAPACITY WHEN FULL | 554,340 | |
| CAPACITY THIS DATE | 288,013 | |
| PERCENT FULL | 51.96% | |
| FREE CAPACITY THIS DATE | 266,327 | |
| INFLOWS* | 1,319 | 4,513 |
| PASS THROUGH / RELEASES | 166 | 482 |
| WITHDRAWALS | 2,273 | 6,284 |
| SPILLS | 0 | 0 |
| EVAPORATION* | (4,503) | (13,730) |
| <i><u>ELEVATION ABOVE MEAN SEA LEVEL</u></i> | | |
| ELEVATION WHEN FULL | 1,551.50 | |
| ELEVATION THIS DATE | 1,534.47 | |

Moss Creek Lake

| | | |
|--|----------|-------|
| <i><u>CONTENTS IN ACRE FEET</u></i> | | |
| CAPACITY WHEN FULL | 3,441 | |
| CAPACITY THIS DATE | 2,594 | |
| PERCENT FULL | 75.39% | |
| FREE CAPACITY THIS DATE | 847 | |
| INFLOWS* | 14 | 129 |
| PASS THROUGH / RELEASES | 0 | 0 |
| WITHDRAWALS | (17) | (66) |
| SPILLS | 0 | 0 |
| EVAPORATION* | (59) | (120) |
| <i><u>ELEVATION ABOVE MEAN SEA LEVEL</u></i> | | |
| ELEVATION WHEN FULL | 2,336.50 | |
| ELEVATION THIS DATE | 2,330.81 | |

| Reservoir Summary | | | | | | |
|--------------------------|------------------|-------------------------------------|--|---|---|---|
| Reservoir | Elevation | Current Capacity (Acre Feet) | Year to Date Inflow (Acre Feet) | Year to Date Withdrawals (Acre Feet) | Year to Date Pass Through / Releases (Acre Feet) | Year to Date Evaporation (Acre Feet) |
| Lake J.B. Thomas | 2,235.35 | 74,103 | 276 | 3,208 | 0 | (4,188) |
| E.V. Spence Reservoir | 1,858.65 | 122,597 | 1,612 | 2,725 | 0 | (6,332) |
| O.H. Ivie Reservoir | 1,534.47 | 288,013 | 4,513 | 6,284 | 482 | (13,730) |
| Moss Creek Lake | 2,330.81 | 2,594 | 129 | (66) | 0 | (120) |
| Total | | 487,307 | 6,530 | 12,151 | 482 | (24,370) |

* Inflow and Evaporation are approximate.

**COLORADO RIVER MUNICIPAL WATER DISTRICT
 DIVERTED / WATER QUALITY ENHANCEMENT SYSTEM
 RESERVOIRS REPORT
 March 2022**

| <u>Natural Dam</u> | <u>This Month</u> | <u>Year-to-Date Total</u> |
|--|-------------------|---------------------------|
| <i><u>CONTENTS IN ACRE FEET</u></i> | | |
| CAPACITY WHEN FULL | 54,560 | |
| CAPACITY THIS DATE | 5,523 | |
| PERCENT FULL | 10.12% | |
| FREE CAPACITY THIS DATE | 49,037 | |
| INFLOWS* | 0 | 1,588 |
| SPILLS | 0 | 0 |
| EVAPORATION* | (521) | (1,036) |
| <i><u>ELEVATION ABOVE MEAN SEA LEVEL</u></i> | | |
| ELEVATION WHEN FULL | 2,457.00 | |
| ELEVATION THIS DATE | 2,435.30 | |
| | | |
| <u>Sulphur Draw Reservoir</u> | | |
| <i><u>CONTENTS IN ACRE FEET</u></i> | | |
| CAPACITY WHEN FULL | 7,997 | |
| CAPACITY THIS DATE | 554 | |
| PERCENT FULL | 6.93% | |
| FREE CAPACITY THIS DATE | 7,443 | |
| INFLOWS* | 0 | 0 |
| PASS THROUGH / RELEASES | 0 | 0 |
| EVAPORATION* | (70) | (154) |
| <i><u>ELEVATION ABOVE MEAN SEA LEVEL</u></i> | | |
| ELEVATION WHEN FULL | 2,541.00 | |
| ELEVATION THIS DATE | 2,525.40 | |

**COLORADO RIVER MUNICIPAL WATER DISTRICT
 DIVERTED / WATER QUALITY ENHANCEMENT SYSTEM
 RESERVOIRS REPORT
 March 2022**

| <u>Barber Lake</u> | <u>This Month</u> | <u>Year-to-Date Total</u> |
|-------------------------------------|-------------------|---------------------------|
| <i><u>CONTENTS IN ACRE FEET</u></i> | | |
| CAPACITY WHEN FULL | 2,503 | |
| CAPACITY THIS DATE | 610 | |
| PERCENT FULL | 24.37% | |
| FREE CAPACITY THIS DATE | 1,893 | |
| INFLOWS* | 0 | 88 |
| WIER FLOW | 0 | 26 |
| PUMPED IN | 113 | 513 |
| WITHDRAWALS | 0 | 0 |
| SPILLS | 0 | 0 |
| EVAPORATION* | (20) | (38) |

| | | |
|--|----------|--|
| <i><u>ELEVATION ABOVE MEAN SEA LEVEL</u></i> | | |
| ELEVATION WHEN FULL | 2,097.00 | |
| ELEVATION THIS DATE | 2,082.22 | |

Red Draw

| | | |
|-------------------------------------|--------|-------|
| <i><u>CONTENTS IN ACRE FEET</u></i> | | |
| CAPACITY WHEN FULL | 8,538 | |
| CAPACITY THIS DATE | 3,564 | |
| PERCENT FULL | 41.74% | |
| FREE CAPACITY THIS DATE | 4,974 | |
| INFLOWS* | 283 | 283 |
| PUMPED IN | 30 | 70 |
| WITHDRAWALS | 0 | 0 |
| SPILLS | 0 | 0 |
| EVAPORATION* | (91) | (185) |

| | | |
|--|----------|--|
| <i><u>ELEVATION ABOVE MEAN SEA LEVEL</u></i> | | |
| ELEVATION WHEN FULL | 2,445.00 | |
| ELEVATION THIS DATE | 2,427.98 | |

**COLORADO RIVER MUNICIPAL WATER DISTRICT
 DIVERTED / WATER QUALITY ENHANCEMENT SYSTEM
 RESERVOIRS REPORT
 March 2022**

| <u>Mitchell County</u> | <u>This Month</u> | <u>Year-to-Date Total</u> |
|---------------------------------------|-------------------|---------------------------|
| <u>CONTENTS IN ACRE FEET</u> | | |
| CAPACITY WHEN FULL | 27,266 | |
| CAPACITY THIS DATE | 7,697 | |
| PERCENT FULL | 28.23% | |
| FREE CAPACITY THIS DATE | 19,569 | |
| INFLOWS* | 27 | 60 |
| SPILLS | 0 | 0 |
| TRANSFERS IN | 0 | 0 |
| EVAPORATION* | (278) | (562) |
| <u>ELEVATION ABOVE MEAN SEA LEVEL</u> | | |
| ELEVATION WHEN FULL | 2,200.00 | |
| ELEVATION THIS DATE | 2,180.85 | |

| Diverted / Water Quality Enhancement System Summary | | | | |
|--|------------------|-----------------|--|---|
| Reservoir | Elevation | Capacity | Year to Date Inflow (Acre Feet) | Year to Date Evaporation (Acre Feet) |
| Natural Dam | 2,435.30 | 5,523 | 1,588 | (1,036) |
| Sulphur Draw | 2,525.40 | 554 | 0 | (154) |
| Barber Lake | 2,082.22 | 610 | 88 | (38) |
| Red Draw | 2,427.98 | 3,564 | 283 | (185) |
| Mitchell County Reservoir | 2,180.85 | 7,697 | 60 | (562) |
| Total | | 17,948 | 2,019 | (1,975) |

* Inflow and Evaporation are approximate.

| Water Quality Diversions | | |
|---------------------------------|--------------------------------------|-------------------------------------|
| Source | Current Month (Acre Feet) | Year to Date (Acre Feet) |
| Colorado River | 113 | 513 |
| Beals Creek | 109 | 232 |
| Total | 223 | 745 |

**COLORADO RIVER MUNICIPAL WATER DISTRICT
GROUNDWATER REPORT
March 2022**

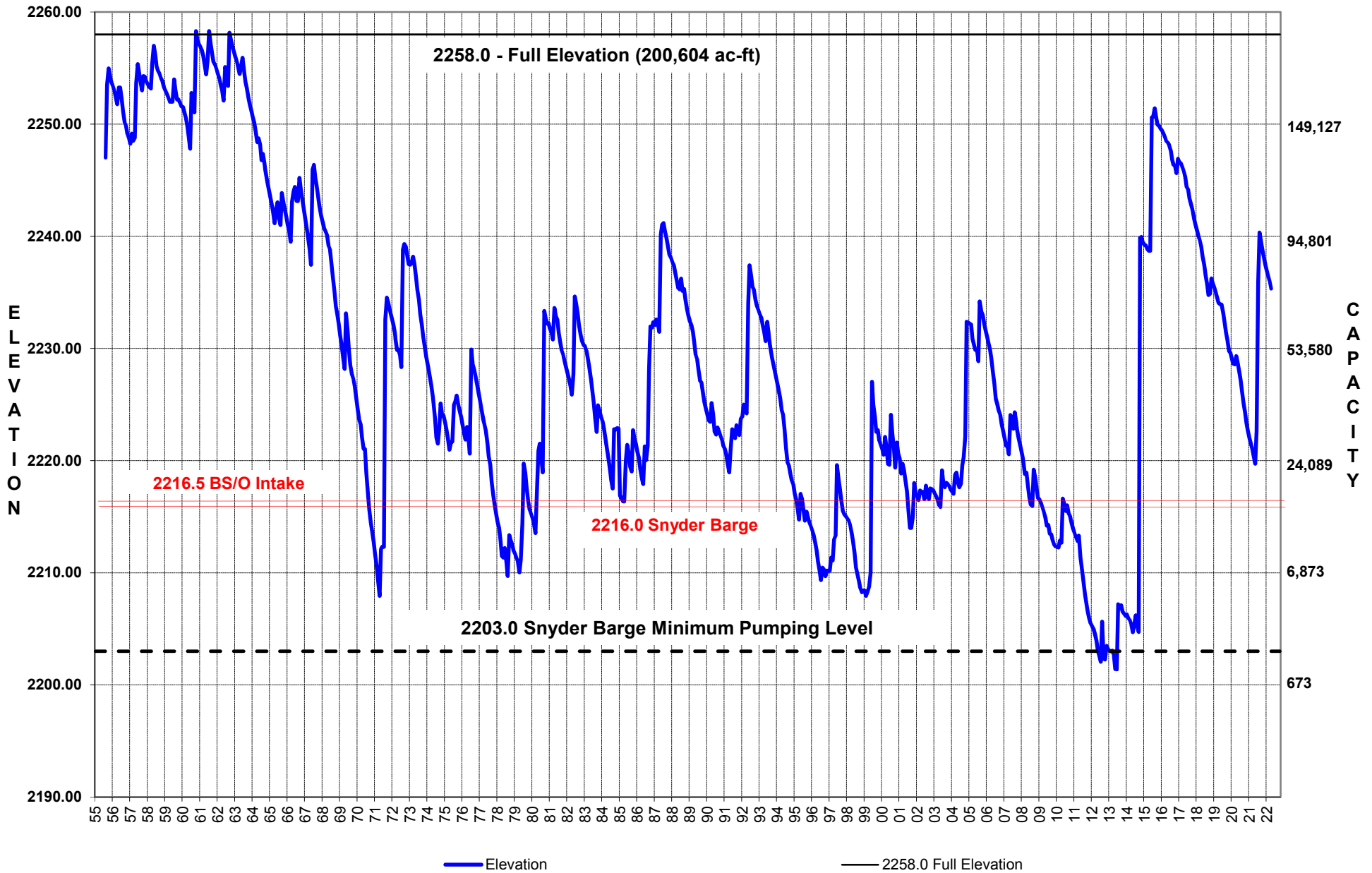
| <u>Well Field</u> | <u>Production This Month (Gallons)</u> | <u>Daily Average for Month (Gal)</u> | <u>Production Year- to-Date (Gallons)</u> |
|------------------------------------|--|--|---|
| Ward County North Well Field | 45,700,200 | 1,474,200 | 335,441,610 |
| Ward County South Well Field | 18,171,000 | 586,161 | 23,250,000 |
| Odessa Well Field (Out of Service) | 0 | 0 | 0 |
| Martin County Well Field | 171,490 | 5,532 | 16,325,020 |
| Snyder Well Field | 0 | 0 | 0 |
| Total | 64,042,690 | 2,065,893 | 375,016,630 |

**BIG SPRING RAW WATER PRODUCTION FACILITY
PRODUCTION REPORT
March 2022**

| | <u>Production This Month (Gallons)</u> | <u>Daily Average for Month (Gal)</u> | <u>Production Year- to-Date (Gallons)</u> |
|--|--|--|---|
| Big Spring Raw Water Production Facility | 5,000,000 | 161,290 | 16,700,000 |

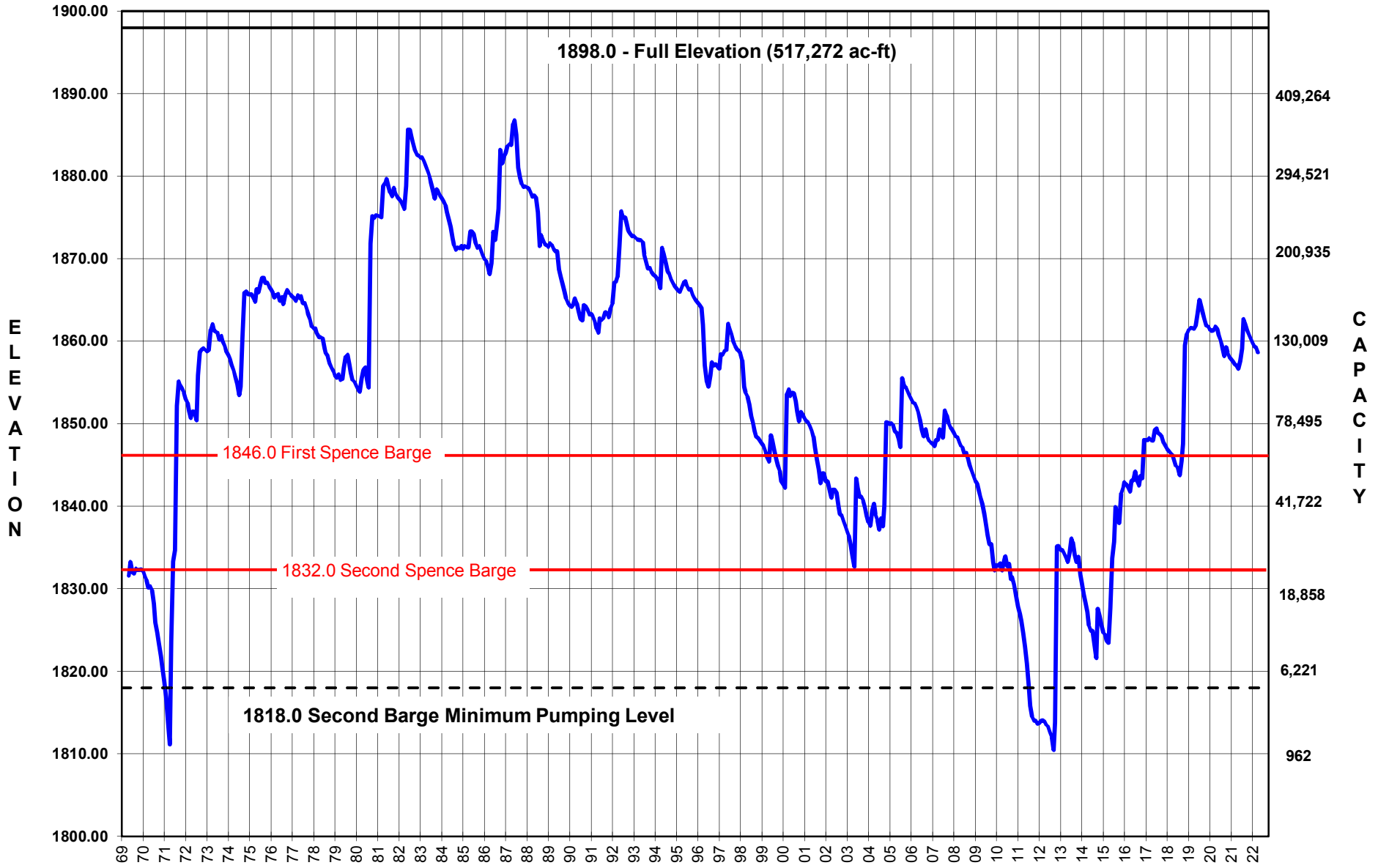
LAKE J.B. THOMAS

Elevation August 1955 - March 2022



E.V. SPENCE RESERVOIR

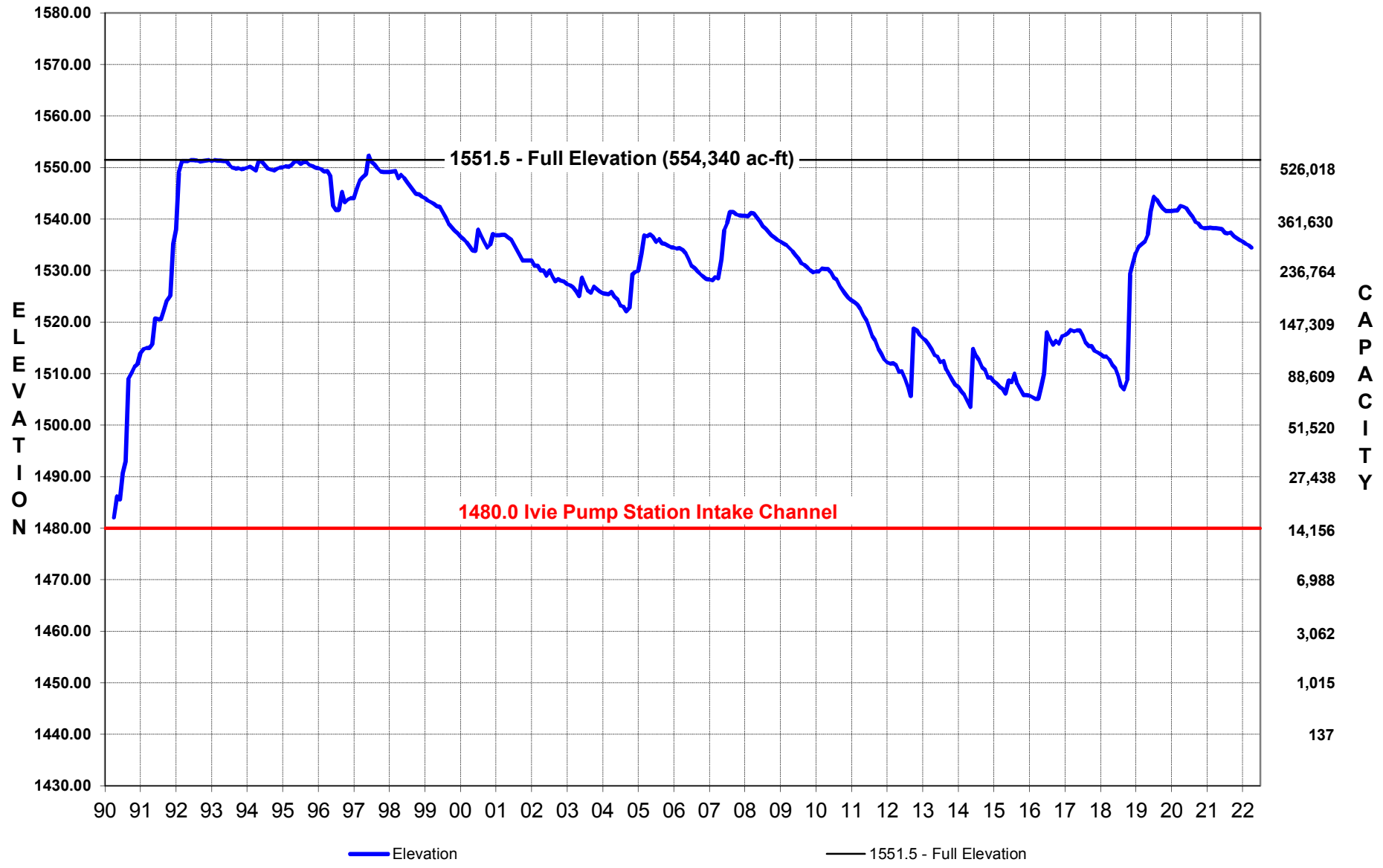
Elevation May 1969 - March 2022



— Elevation — 1898.0-Full Elevation

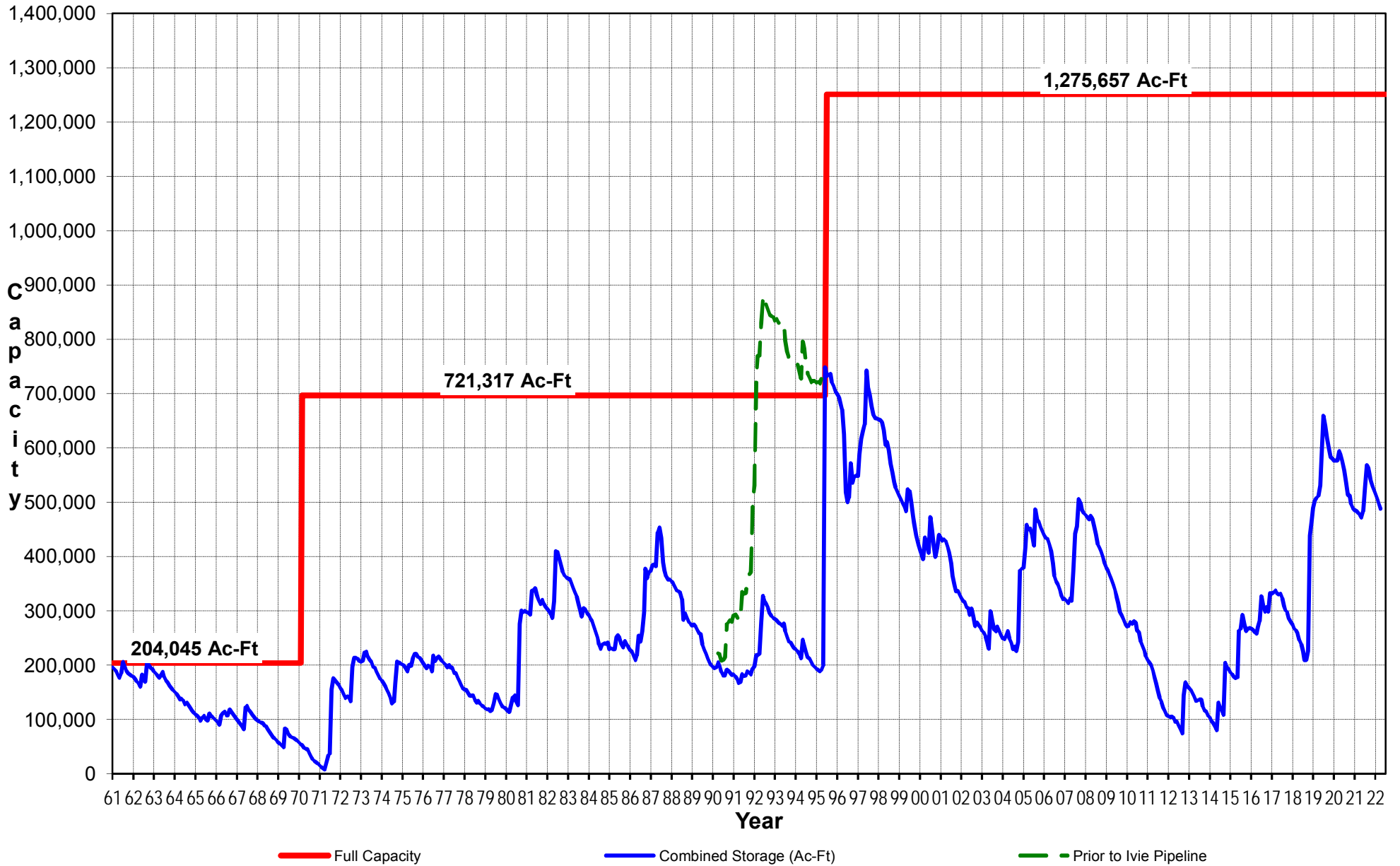
O.H. IVIE RESERVOIR

Elevation April 1990 - March 2022



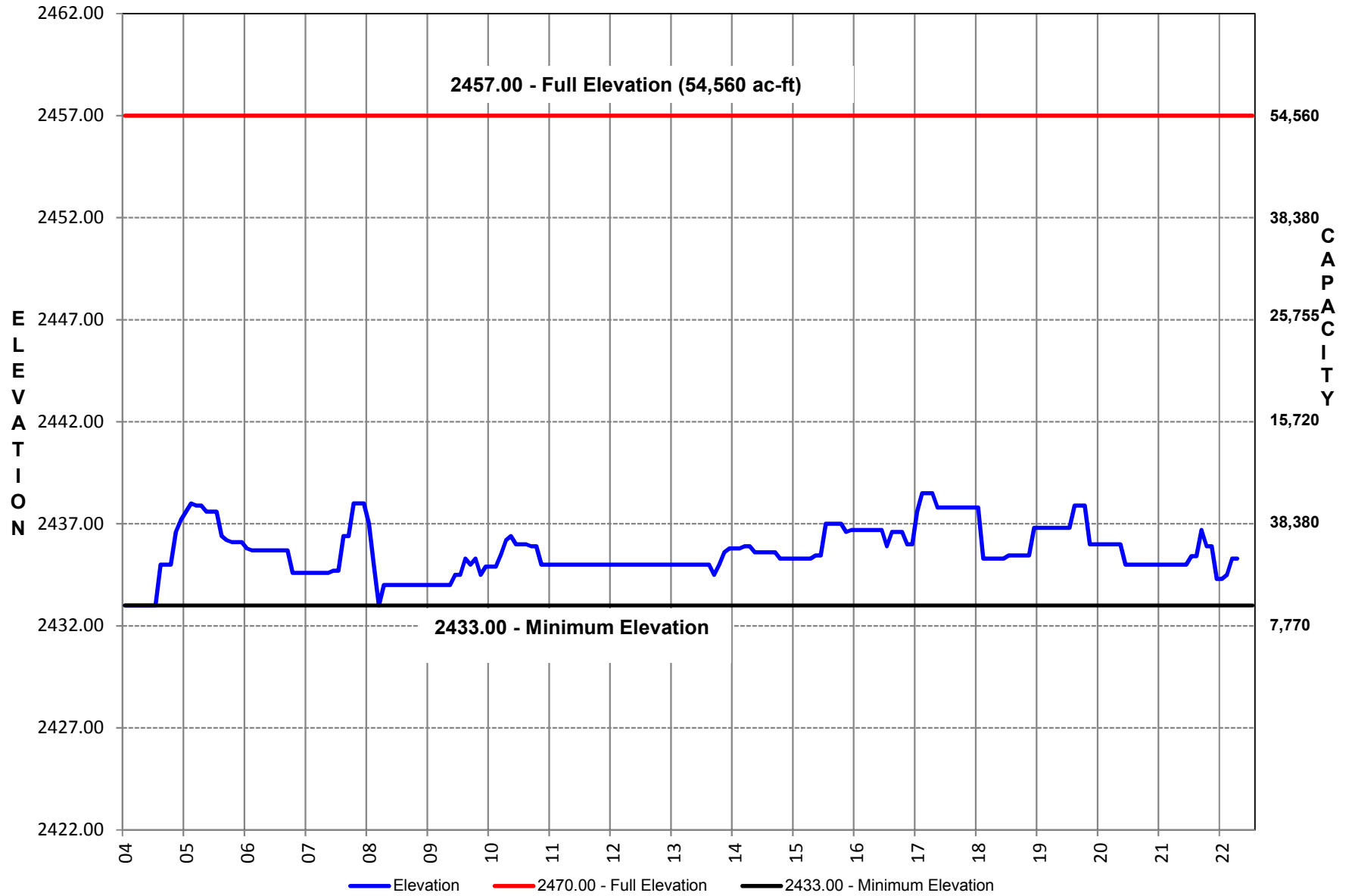
COLORADO RIVER MUNICIPAL WATER DISTRICT

COMBINED STORAGE Thomas, Spence, Moss, Ivie



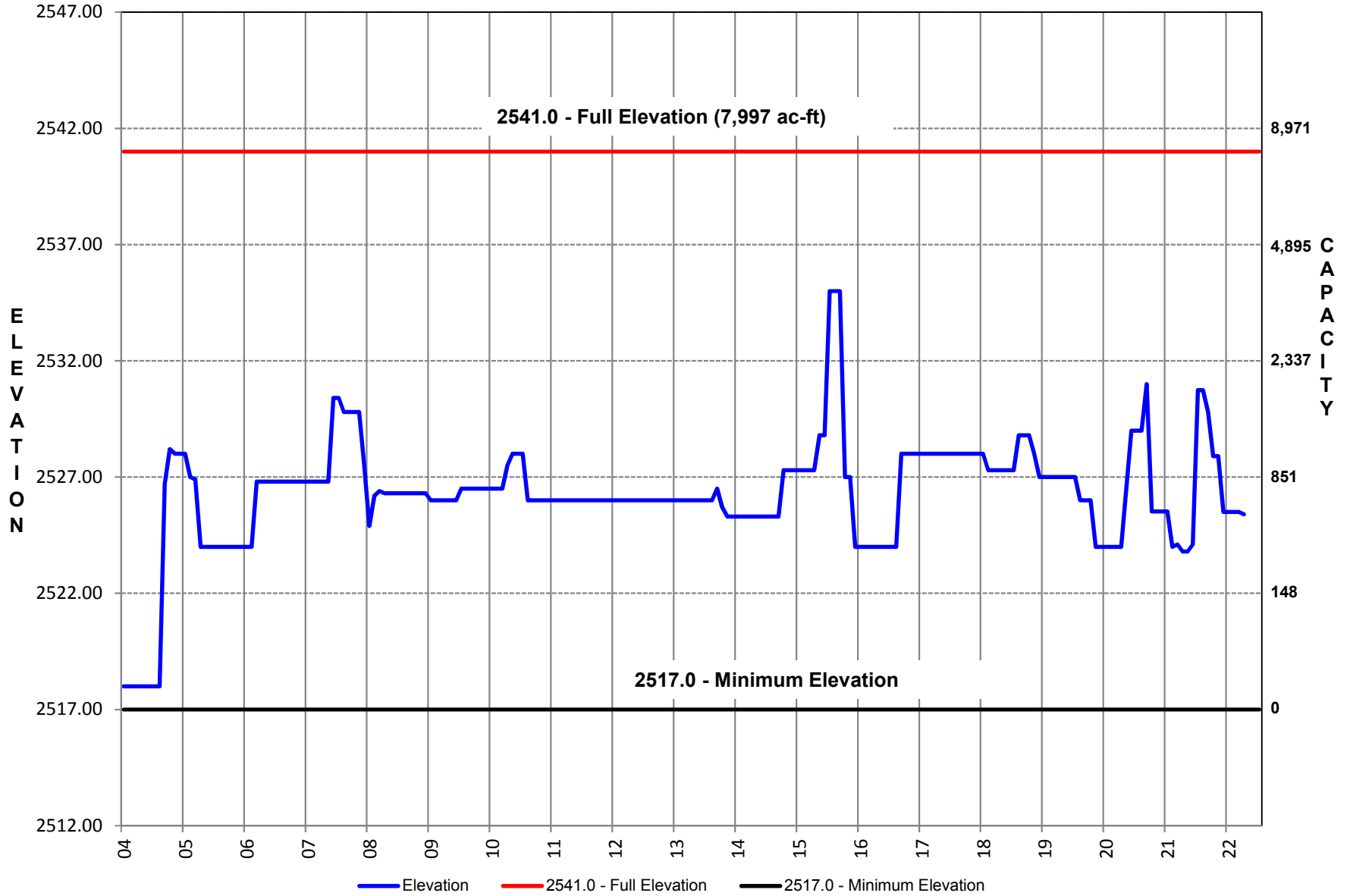
Natural Dam Reservoir

Elevation January 2004 - March 2022



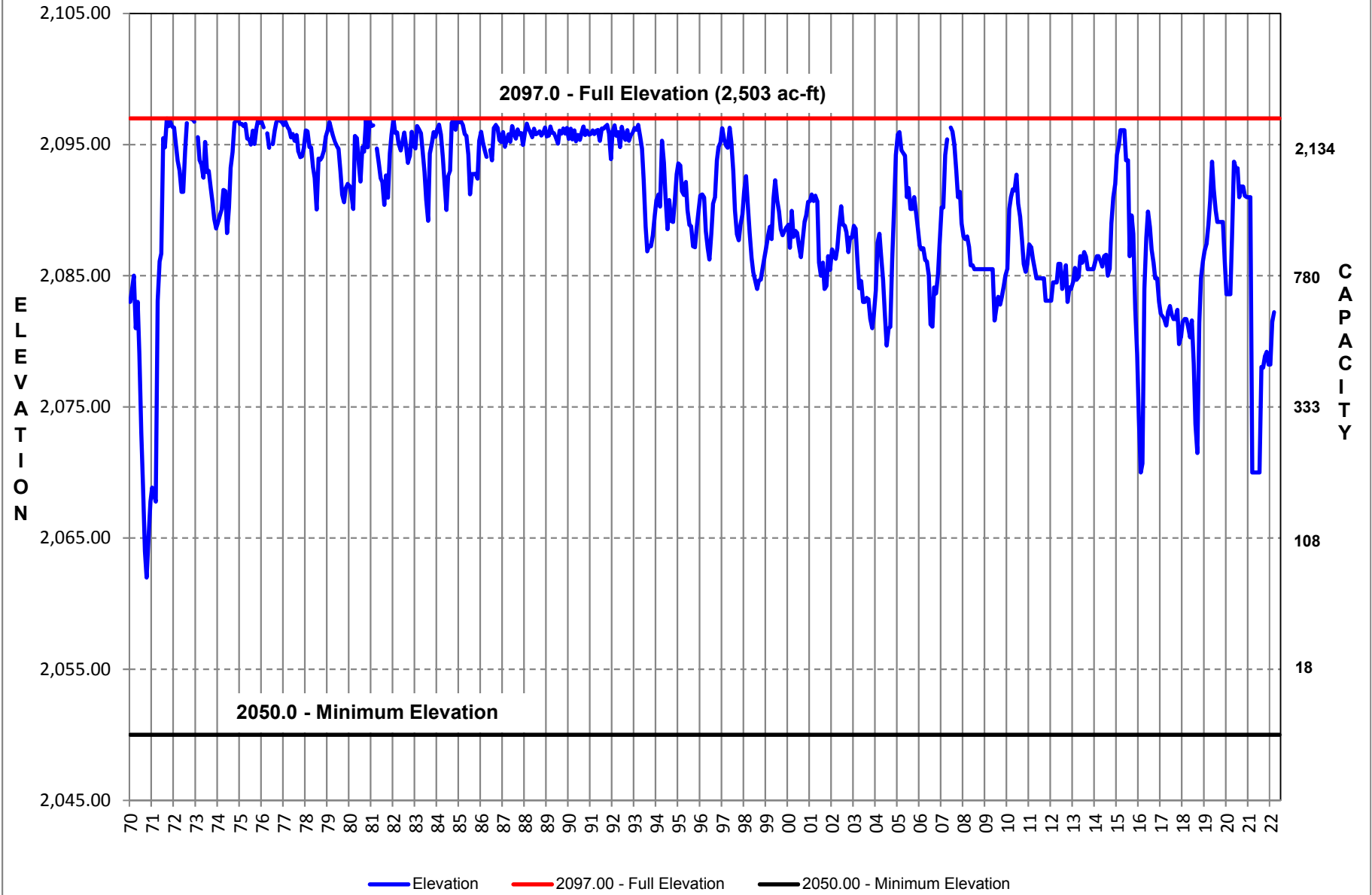
Sulphur Draw Reservoir

Elevation January 2004 - March 2022



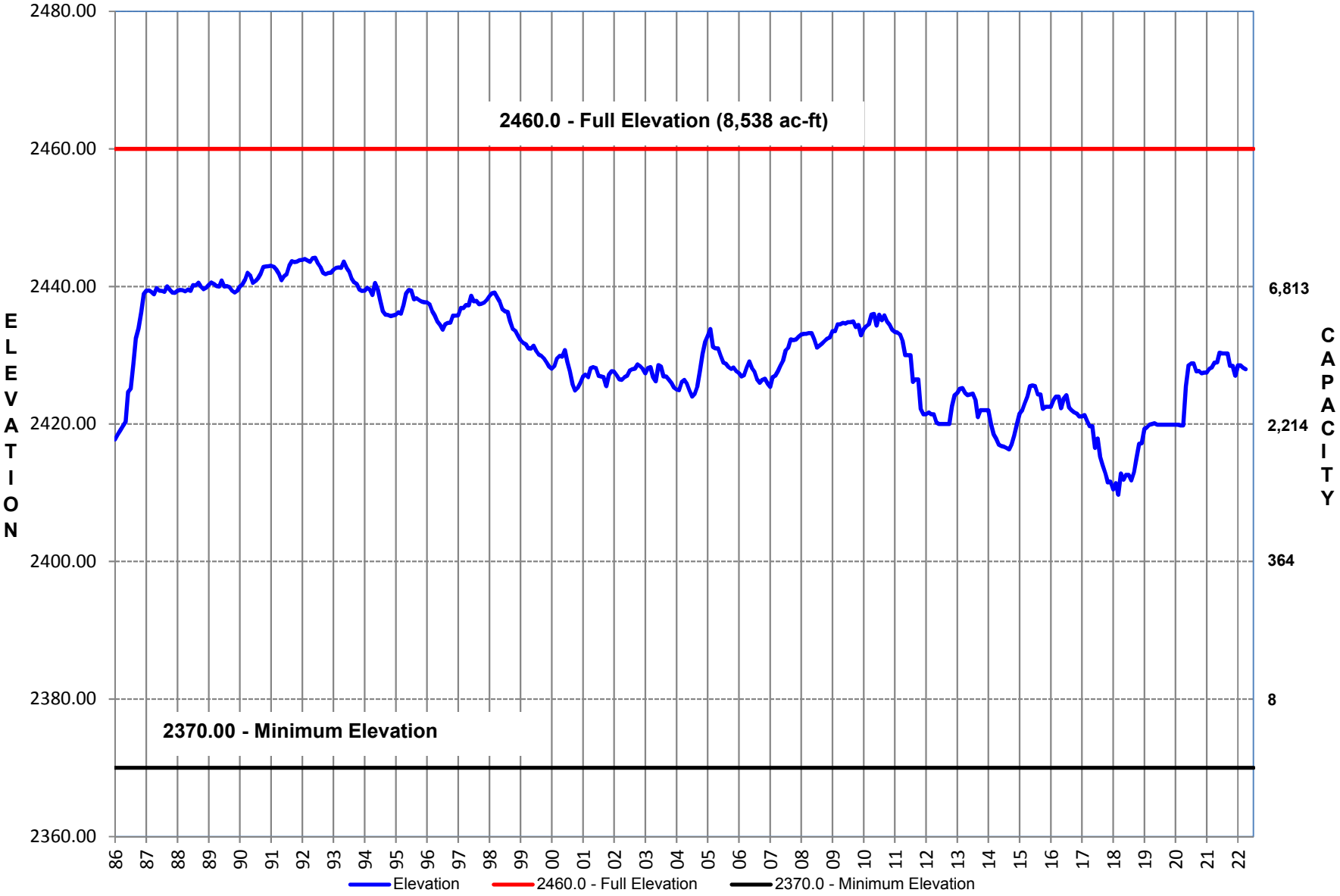
Barber Lake

Elevation February 1970 - March 2022



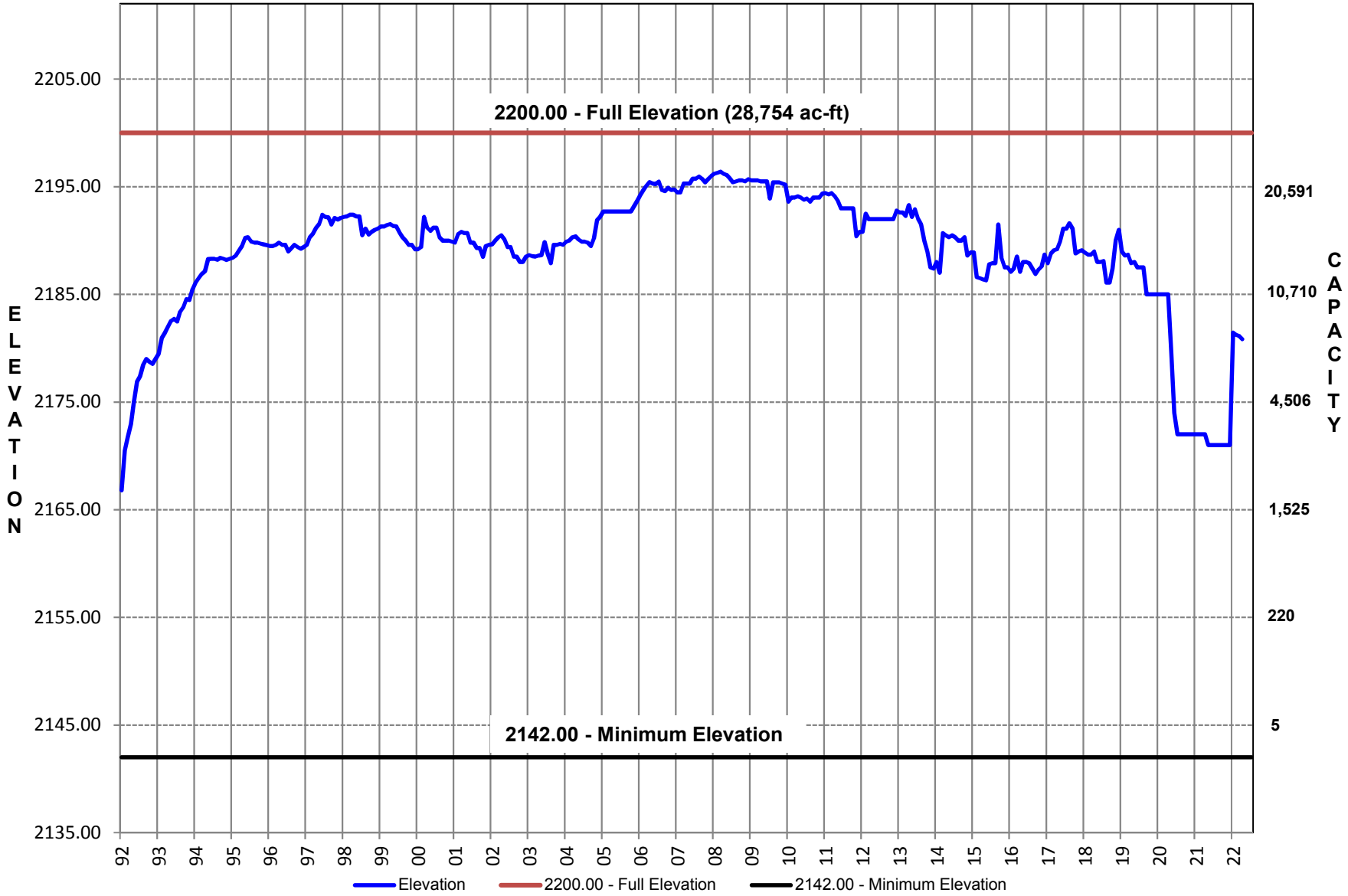
Red Draw

Elevation January 1986 - March 2022



Mitchell County Reservoir

Elevation January 1992 - March 2022



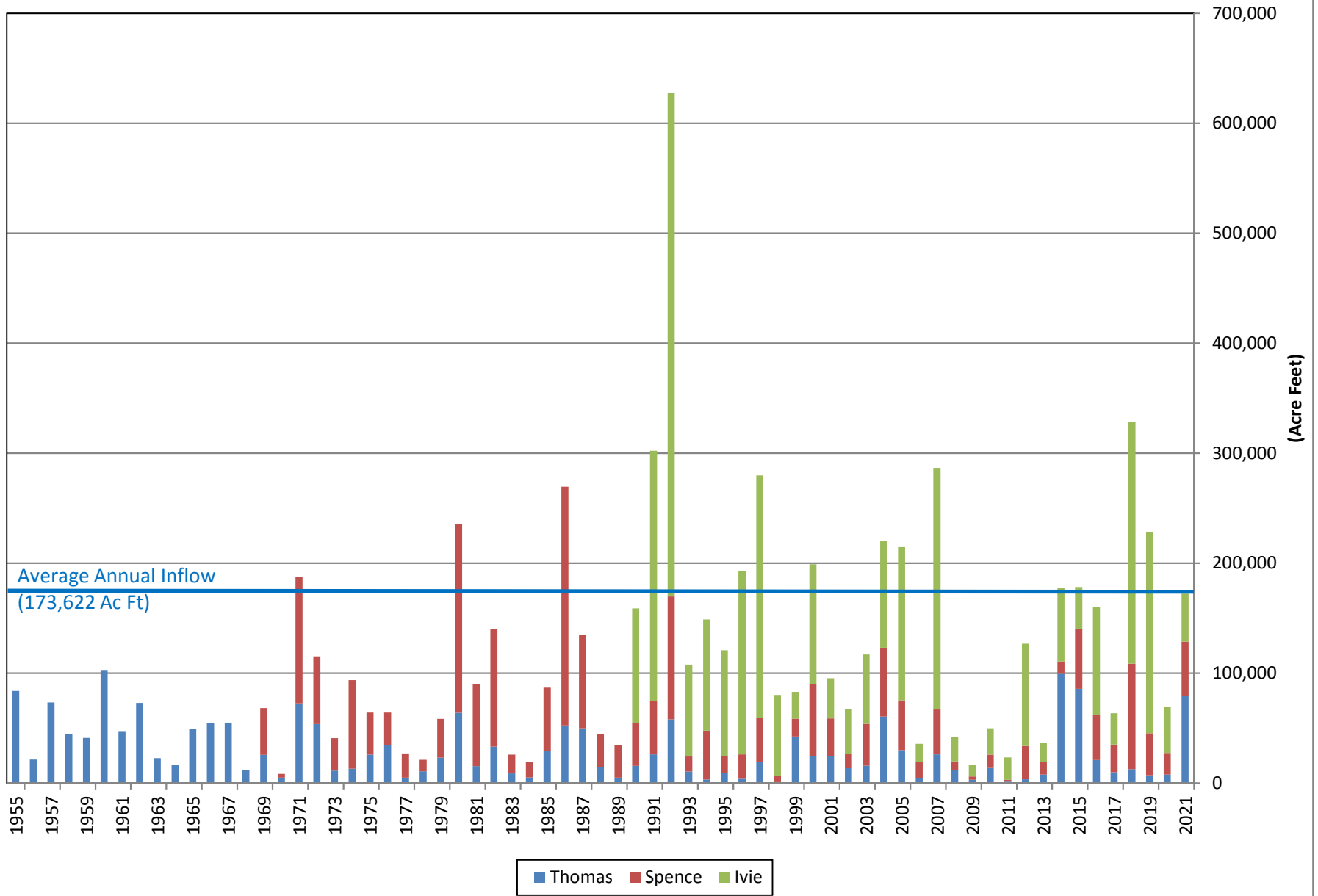
Annual Historical Data

COLORADO RIVER MUNICIPAL WATER DISTRICT

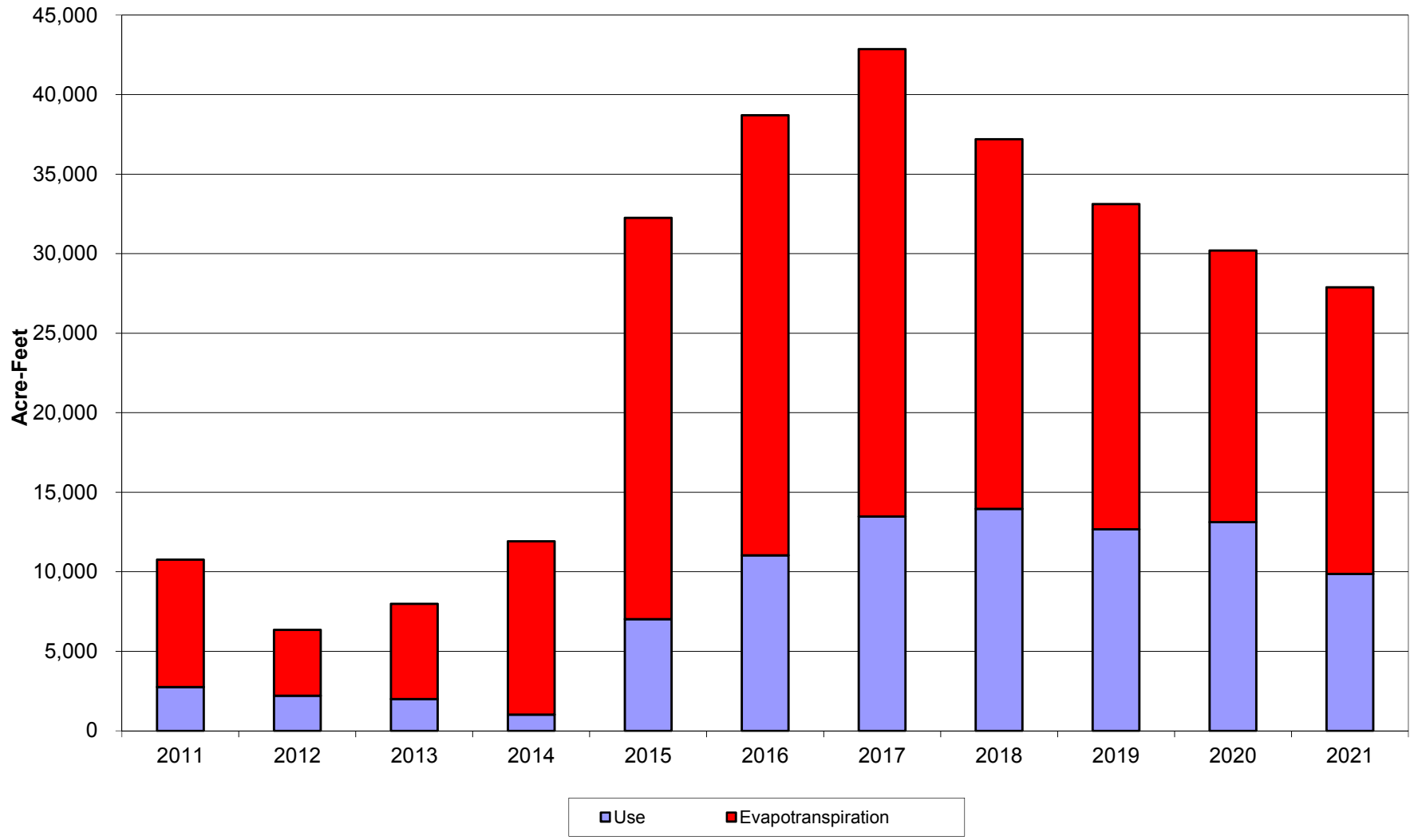
RESERVOIR INFLOW SUMMARY

| Calendar Year | J.B. Thomas (AC-FT) | E.V. Spence (AC-FT) | O.H. Ivie (AC-FT) | Total (AC-FT) |
|-----------------------|---------------------|---------------------|-------------------|----------------|
| 2021 | 79,022 | 49,615 | 43,502 | 172,139 |
| 2020 | 7,767 | 19,636 | 42,062 | 69,465 |
| 2019 | 7,085 | 38,224 | 182,888 | 228,197 |
| 2018 | 12,555 | 96,010 | 219,357 | 327,922 |
| 2017 | 9,768 | 25,255 | 28,405 | 63,428 |
| 2016 | 20,888 | 40,914 | 98,262 | 160,064 |
| 2015 | 85,698 | 54,737 | 37,696 | 178,131 |
| 2014 | 99,308 | 11,218 | 66,819 | 177,345 |
| 2013 | 7,739 | 11,754 | 16,824 | 36,317 |
| 2012 | 3,408 | 30,247 | 93,091 | 126,746 |
| 2011 | 1,343 | 1,585 | 20,411 | 23,339 |
| 2010 | 13,717 | 12,034 | 24,069 | 49,820 |
| 2009 | 2,901 | 2,996 | 10,659 | 16,556 |
| 2008 | 11,565 | 8,125 | 22,229 | 41,919 |
| 2007 | 26,077 | 40,861 | 219,568 | 286,506 |
| 2006 | 4,339 | 14,624 | 16,716 | 35,679 |
| 2005 | 29,804 | 45,367 | 139,349 | 214,520 |
| 2004 | 60,474 | 62,624 | 96,945 | 220,043 |
| 2003 | 15,828 | 38,048 | 62,910 | 116,786 |
| 2002 | 13,341 | 13,094 | 40,928 | 67,363 |
| 2001 | 24,294 | 34,528 | 36,355 | 95,177 |
| 2000 | 24,713 | 65,118 | 109,145 | 198,976 |
| 1999 | 42,206 | 16,323 | 24,368 | 82,897 |
| 1998 | 856 | 6,032 | 73,280 | 80,168 |
| 1997 | 19,189 | 40,288 | 220,148 | 279,625 |
| 1996 | 3,920 | 22,193 | 166,633 | 192,746 |
| 1995 | 9,176 | 15,140 | 96,358 | 120,674 |
| 1994 | 3,100 | 44,557 | 101,101 | 148,758 |
| 1993 | 10,473 | 13,600 | 83,592 | 107,665 |
| 1992 | 57,863 | 111,840 | 457,817 | 627,520 |
| 1991 | 26,110 | 48,525 | 227,569 | 302,204 |
| 1990 | 15,584 | 38,972 | 104,278 | 158,834 |
| 1989 | 4,832 | 29,657 | - | 34,489 |
| 1988 | 14,181 | 29,968 | - | 44,149 |
| 1987 | 49,818 | 84,582 | - | 134,400 |
| 1986 | 52,244 | 217,121 | - | 269,365 |
| 1985 | 29,106 | 57,565 | - | 86,671 |
| 1984 | 5,027 | 14,101 | - | 19,128 |
| 1983 | 8,661 | 17,236 | - | 25,897 |
| 1982 | 33,049 | 106,852 | - | 139,901 |
| 1981 | 15,314 | 74,911 | - | 90,225 |
| 1980 | 63,972 | 171,415 | - | 235,387 |
| 1979 | 23,011 | 35,366 | - | 58,377 |
| 1978 | 10,553 | 10,674 | - | 21,227 |
| 1977 | 4,802 | 22,138 | - | 26,940 |
| 1976 | 34,534 | 29,457 | - | 63,991 |
| 1975 | 25,897 | 38,081 | - | 63,978 |
| 1974 | 13,095 | 80,377 | - | 93,472 |
| 1973 | 11,190 | 29,502 | - | 40,692 |
| 1972 | 53,512 | 61,546 | - | 115,058 |
| 1971 | 72,391 | 115,082 | - | 187,473 |
| 1970 | 4,945 | 3,364 | - | 8,309 |
| 1969 | 25,609 | 42,628 | - | 68,237 |
| 1968 | 11,977 | - | - | 11,977 |
| 1967 | 54,971 | - | - | 54,971 |
| 1966 | 54,777 | - | - | 54,777 |
| 1965 | 48,975 | - | - | 48,975 |
| 1964 | 16,660 | - | - | 16,660 |
| 1963 | 22,580 | - | - | 22,580 |
| 1962 | 72,841 | - | - | 72,841 |
| 1961 | 46,456 | - | - | 46,456 |
| 1960 | 102,836 | - | - | 102,836 |
| 1959 | 41,080 | - | - | 41,080 |
| 1958 | 44,921 | - | - | 44,921 |
| 1957 | 73,285 | - | - | 73,285 |
| 1956 | 21,240 | - | - | 21,240 |
| 1955 | 83,755 | - | - | 83,755 |
| Annual Average | 29,884 | 44,259 | 99,479 | 173,622 |

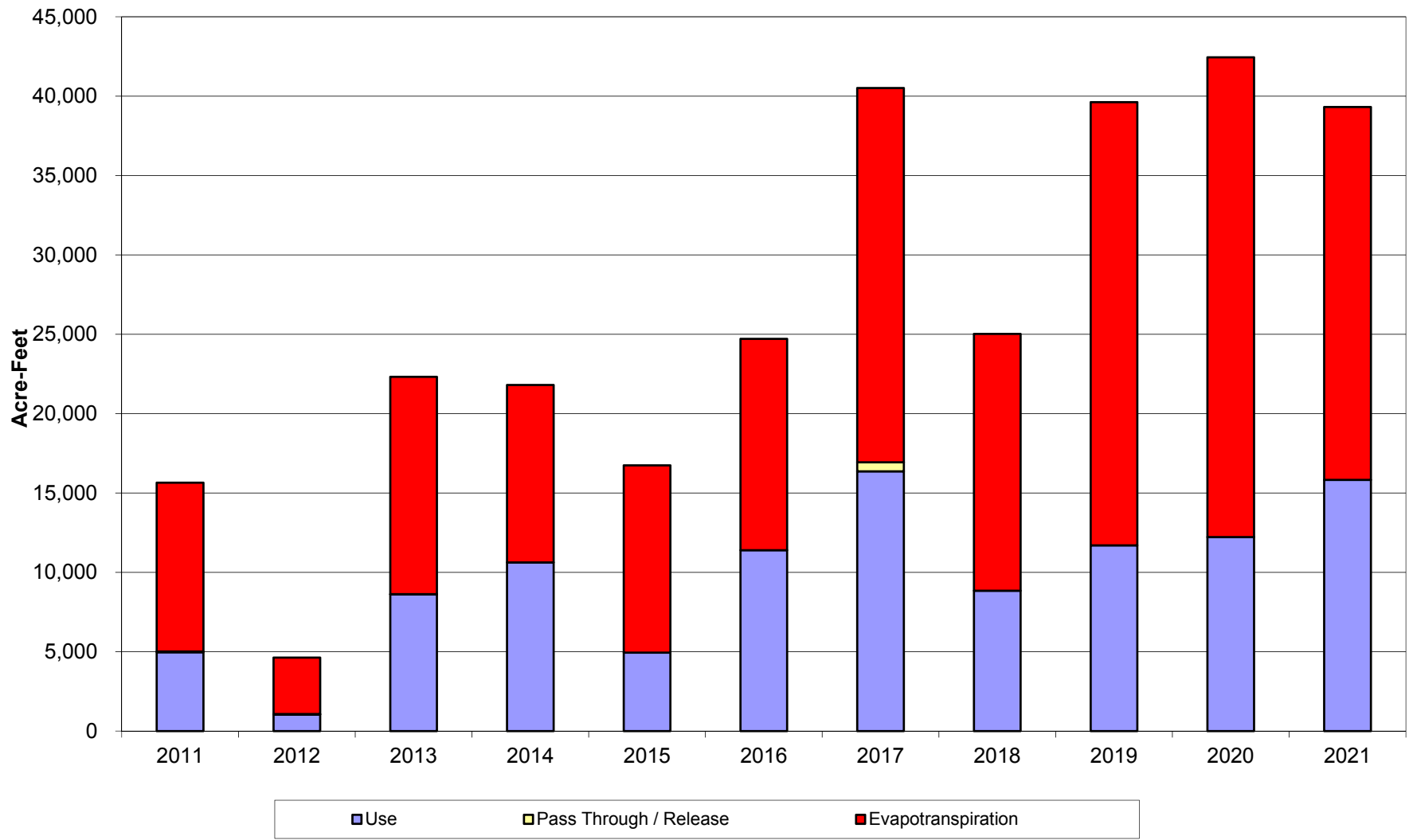
Combined Inflow (1955 through 2021)



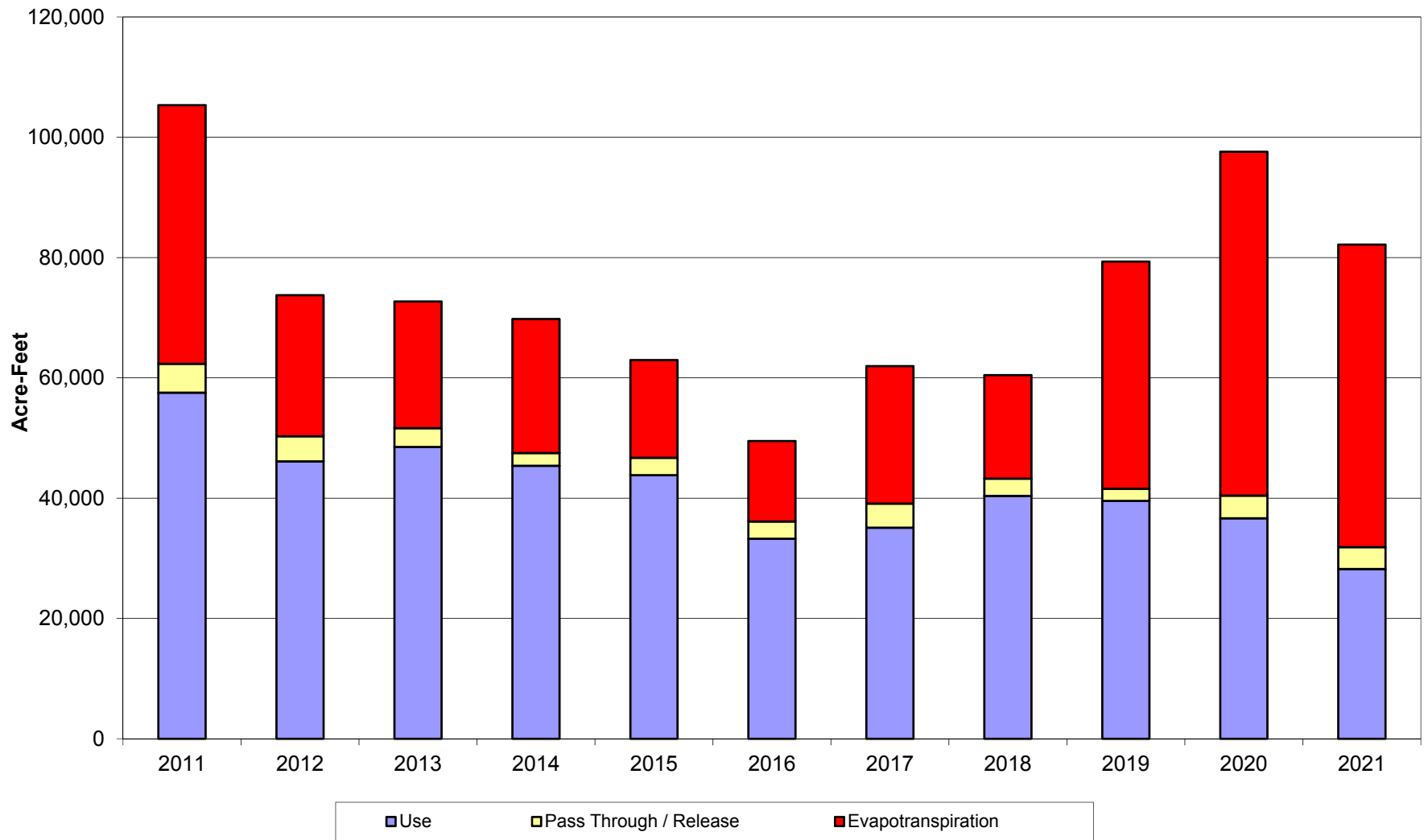
Lake J.B. Thomas
January 2011 thru December 2021



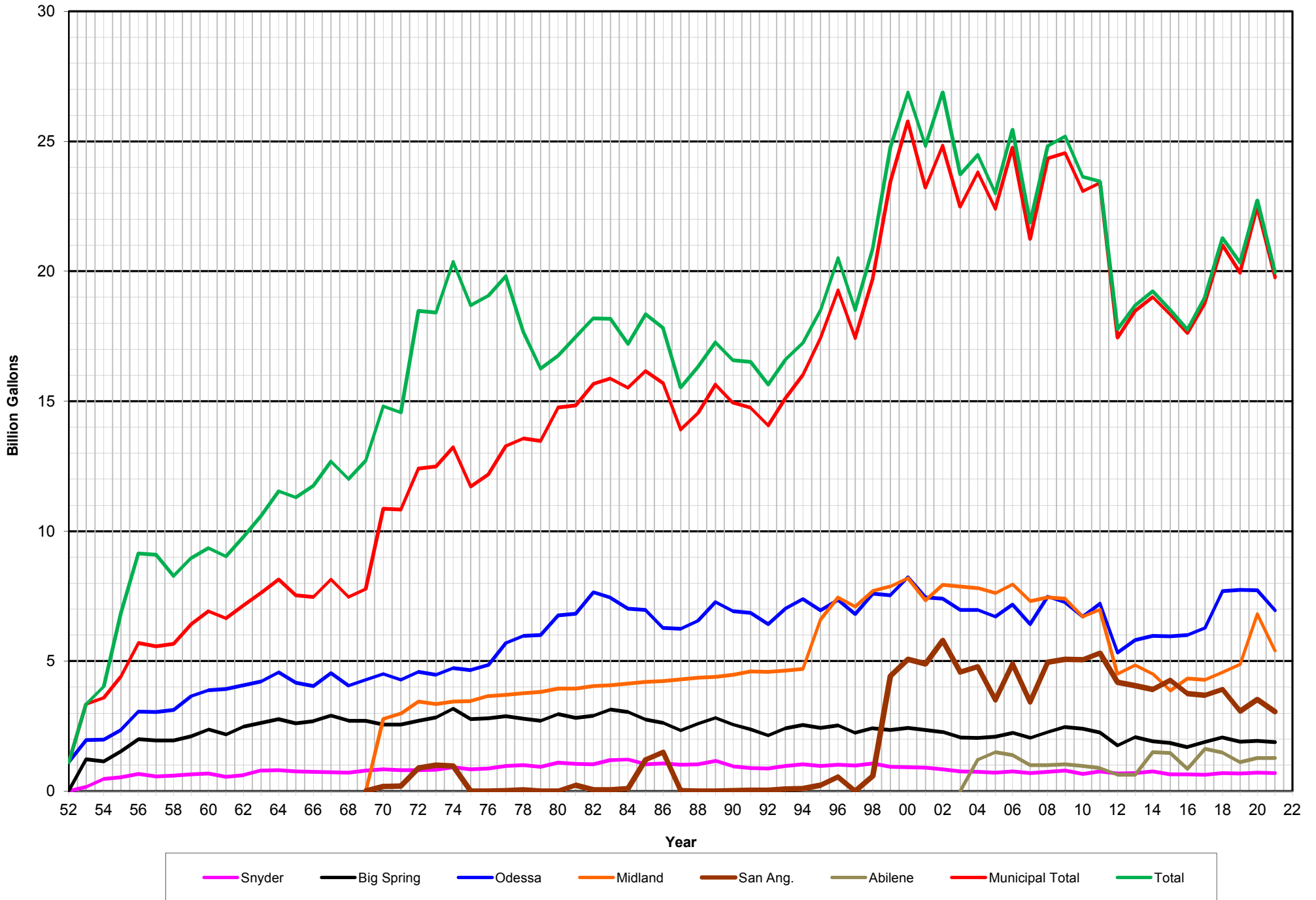
**E.V. Spence Reservoir
January 2011 thru December 2021**



O.H. Ivie Reservoir
January 2011 thru December 2021



Colorado River Municipal Water District Historical Water Delivery - FY 1952 - 2021



Colorado River Municipal Water District Source of Supply January 1962 through December 2021

