



*Colorado River Municipal Water District*

# Monthly Water Report

**May 2024**

**COLORADO RIVER MUNICIPAL WATER DISTRICT**

PO Box 869, 400 East 24th Street

Big Spring, Texas 79721-0869

**Colorado River Municipal Water District  
Water Delivered  
May 2024**

**Raw Water System**

<b>Member Cities</b>	<b>Total Deliveries This Month (Gal)</b>	<b>Daily Average For Month (Gal)</b>	<b>Year-to-Date (Gal)</b>
Big Spring	163,573,900	5,276,577	710,258,000
Odessa	872,800,000	28,154,839	3,350,138,600
Snyder	57,914,000	1,868,194	269,977,000
<b>Subtotal</b>	<b>1,094,287,900</b>	<b>35,299,610</b>	<b>4,330,373,600</b>

**Municipal Customers**

Grandfalls	1,000	32	40,000
Midland - 1966 Contract	363,738,000	11,733,484	1,947,467,500
Midland - Ivie Contract	279,359,000	9,011,581	494,612,000
Millersview Doole WSC	51,943,500	1,675,597	191,534,033
San Angelo - Spence	0	0	0
San Angelo - Ivie	341,000,000	11,000,000	1,697,400,000
Stanton	11,806,800	380,865	56,733,600
Abilene	131,765,000	4,250,484	603,938,000
<b>Subtotal</b>	<b>1,179,613,300</b>	<b>38,052,042</b>	<b>4,991,725,133</b>

**Industrial Customers**

Alon Rural Meters	6,060,660	195,505	22,179,170
Luminant Generation	0	0	0
Occidental	100	3	1,050
Parallel Petroleum	1,290	42	19,620
Power Resources	8,000	258	20,723,000
<b>Subtotal</b>	<b>6,070,050</b>	<b>195,808</b>	<b>42,922,840</b>

**Diverted Water System**

**Industrial Customers**

BASA Resources	0	0	43,100
Sabinal	311,500	10,048	1,350,400
Rover Operating	4,930,640	159,053	15,903,030
Fleur de Lis Energy	0	0	0
<b>Subtotal</b>	<b>5,242,140</b>	<b>169,101</b>	<b>17,296,530</b>

<b>Total Deliveries</b>	<b>2,285,213,390</b>	<b>73,716,561</b>	<b>9,382,318,103</b>
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**COLORADO RIVER MUNICIPAL WATER DISTRICT  
RESERVOIR REPORT  
May 2024**

<u>Lake J. B. Thomas</u>	<u>This Month</u>	<u>Year-to-Date Total</u>
<u>CONTENTS IN ACRE FEET</u>		
CAPACITY WHEN FULL	200,604	
CAPACITY THIS DATE	41,009	
PERCENT FULL	20.44%	
FREE CAPACITY THIS DATE	159,595	
INFLOWS*	3,627	4,713
PASS THROUGH / RELEASES	0	0
WITHDRAWALS	645	2,848
EVAPORATION*	(1,250)	(6,039)
<u>ELEVATION ABOVE MEAN SEA LEVEL</u>		
ELEVATION WHEN FULL	2,258.00	
ELEVATION THIS DATE	2,226.18	

**E. V. Spence Reservoir**

<u>CONTENTS IN ACRE FEET</u>		
CAPACITY WHEN FULL	517,272	
CAPACITY THIS DATE	78,629	
PERCENT FULL	15.20%	
FREE CAPACITY THIS DATE	438,643	
INFLOWS*	2,913	6,876
PASS THROUGH / RELEASES	0	0
WITHDRAWALS	1,364	6,818
EVAPORATION*	(1,611)	(8,177)
<u>ELEVATION ABOVE MEAN SEA LEVEL</u>		
ELEVATION WHEN FULL	1,898.00	
ELEVATION THIS DATE	1,850.03	

**COLORADO RIVER MUNICIPAL WATER DISTRICT  
RESERVOIR REPORT  
May 2024**

	<u>This Month</u>	<u>Year-to-Date Total</u>
<b><u>O. H. Ivie Reservoir</u></b>		
<i><u>CONTENTS IN ACRE FEET</u></i>		
CAPACITY WHEN FULL	554,340	
CAPACITY THIS DATE	163,071	
PERCENT FULL	29.42%	
FREE CAPACITY THIS DATE	391,269	
INFLOWS*	21,289	27,862
PASS THROUGH / RELEASES	0	0
WITHDRAWALS	3,673	11,456
SPILLS	0	0
EVAPORATION*	(951)	(11,939)
<i><u>ELEVATION ABOVE MEAN SEA LEVEL</u></i>		
ELEVATION WHEN FULL	1,551.50	
ELEVATION THIS DATE	1,522.09	

**Moss Creek Lake**

<i><u>CONTENTS IN ACRE FEET</u></i>		
CAPACITY WHEN FULL	3,441	
CAPACITY THIS DATE	2,722	
PERCENT FULL	79.10%	
FREE CAPACITY THIS DATE	719	
INFLOWS*	23	234
PASS THROUGH / RELEASES	0	0
WITHDRAWALS	82	196
SPILLS	0	0
EVAPORATION*	(76)	(275)
<i><u>ELEVATION ABOVE MEAN SEA LEVEL</u></i>		
ELEVATION WHEN FULL	2,336.50	
ELEVATION THIS DATE	2,331.74	

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	2,226.18	41,009	4,713	2,848	0	(6,039)
E.V. Spence Reservoir	1,850.03	78,629	6,876	6,818	0	(8,177)
O.H. Ivie Reservoir	1,522.09	163,071	27,862	11,456	0	(11,939)
Moss Creek Lake	2,331.74	2,722	234	196	0	(275)
	<b>Total</b>	<b>285,431</b>	<b>39,685</b>	<b>21,318</b>	<b>0</b>	<b>(26,430)</b>

\* Inflow and Evaporation are approximate.

**COLORADO RIVER MUNICIPAL WATER DISTRICT  
 DIVERTED / WATER QUALITY ENHANCEMENT SYSTEM  
 RESERVOIRS REPORT  
 May 2024**

	<u>This Month</u>	<u>Year-to-Date Total</u>
<b><u>Natural Dam</u></b>		
<i><u>CONTENTS IN ACRE FEET</u></i>		
CAPACITY WHEN FULL	54,560	
CAPACITY THIS DATE	5,140	
PERCENT FULL	9.42%	
FREE CAPACITY THIS DATE	49,420	
INFLOWS*	0	0
SPILLS	0	0
EVAPORATION*	(657)	(2,379)
<i><u>ELEVATION ABOVE MEAN SEA LEVEL</u></i>		
ELEVATION WHEN FULL	2,457.00	
ELEVATION THIS DATE	2,435.00	
<b><u>Sulphur Draw Reservoir</u></b>		
<i><u>CONTENTS IN ACRE FEET</u></i>		
CAPACITY WHEN FULL	7,997	
CAPACITY THIS DATE	235	
PERCENT FULL	2.94%	
FREE CAPACITY THIS DATE	7,762	
INFLOWS*	0	0
PASS THROUGH / RELEASES	0	0
EVAPORATION*	(59)	(227)
<i><u>ELEVATION ABOVE MEAN SEA LEVEL</u></i>		
ELEVATION WHEN FULL	2,541.00	
ELEVATION THIS DATE	2,523.00	

**COLORADO RIVER MUNICIPAL WATER DISTRICT  
 DIVERTED / WATER QUALITY ENHANCEMENT SYSTEM  
 RESERVOIRS REPORT  
 May 2024**

	<u>This Month</u>	<u>Year-to-Date Total</u>
<b><u>Barber Lake</u></b>		
<i><u>CONTENTS IN ACRE FEET</u></i>		
CAPACITY WHEN FULL	2,503	
CAPACITY THIS DATE	1,434	
PERCENT FULL	57.29%	
FREE CAPACITY THIS DATE	1,069	
INFLOWS*	57	300
WIER FLOW	19	94
PUMPED IN	79	350
WITHDRAWALS	65	65
SPILLS	0	0
EVAPORATION*	(78)	(279)

<i><u>ELEVATION ABOVE MEAN SEA LEVEL</u></i>		
ELEVATION WHEN FULL	2,097.00	
ELEVATION THIS DATE	2,090.65	

**Red Draw**

<i><u>CONTENTS IN ACRE FEET</u></i>		
CAPACITY WHEN FULL	8,538	
CAPACITY THIS DATE	2,727	
PERCENT FULL	31.94%	
FREE CAPACITY THIS DATE	5,811	
INFLOWS*	0	114
PUMPED IN	0	0
WITHDRAWALS	0	0
SPILLS	0	0
EVAPORATION*	(94)	(343)

<i><u>ELEVATION ABOVE MEAN SEA LEVEL</u></i>		
ELEVATION WHEN FULL	2,445.00	
ELEVATION THIS DATE	2,423.18	

**COLORADO RIVER MUNICIPAL WATER DISTRICT  
 DIVERTED / WATER QUALITY ENHANCEMENT SYSTEM  
 RESERVOIRS REPORT  
 May 2024**

<u><b>Mitchell County</b></u>	<u>This Month</u>	<u>Year-to-Date Total</u>
<u><i>CONTENTS IN ACRE FEET</i></u>		
CAPACITY WHEN FULL	27,266	
CAPACITY THIS DATE	4,206	
PERCENT FULL	15.43%	
FREE CAPACITY THIS DATE	23,060	
INFLOWS*	0	342
SPILLS	0	0
TRANSFERS IN	(17)	(74)
EVAPORATION*	(209)	(758)

<u><i>ELEVATION ABOVE MEAN SEA LEVEL</i></u>	
ELEVATION WHEN FULL	2,200.00
ELEVATION THIS DATE	2,174.28

<b>Diverted / Water Quality Enhancement System Summary</b>				
<b>Reservoir</b>	<b>Elevation</b>	<b>Capacity</b>	<b>Year to Date Inflow (Acre Feet)</b>	<b>Year to Date Evaporation (Acre Feet)</b>
Natural Dam	2,435.00	5,140	0	(2,379)
Sulphur Draw	2,523.00	235	0	(227)
Barber Lake	2,090.65	1,434	300	(279)
Red Draw	2,423.18	2,727	114	(343)
Mitchell County Reservoir	2,174.28	4,206	342	(758)
<b>Total</b>		<b>13,742</b>	<b>756</b>	<b>(3,985)</b>

\* Inflow and Evaporation are approximate.

<b>Water Quality Diversions</b>		
<b>Source</b>	<b>Current Month (Acre Feet)</b>	<b>Year to Date (Acre Feet)</b>
Colorado River	79	350
Beals Creek	0	0
<b>Total</b>	<b>79</b>	<b>350</b>

**COLORADO RIVER MUNICIPAL WATER DISTRICT  
GROUNDWATER REPORT  
May 2024**

<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	235,908,000	7,609,935	1,766,229,600
Ward County South Well Field	0	0	213,212,000
Odessa Well Field (Out of Service)	0	0	0
Martin County Well Field	7,484,820	241,446	17,195,760
Snyder Well Field	0	0	0
<b>Total</b>	<b>243,392,820</b>	<b>7,851,381</b>	<b>1,996,637,360</b>

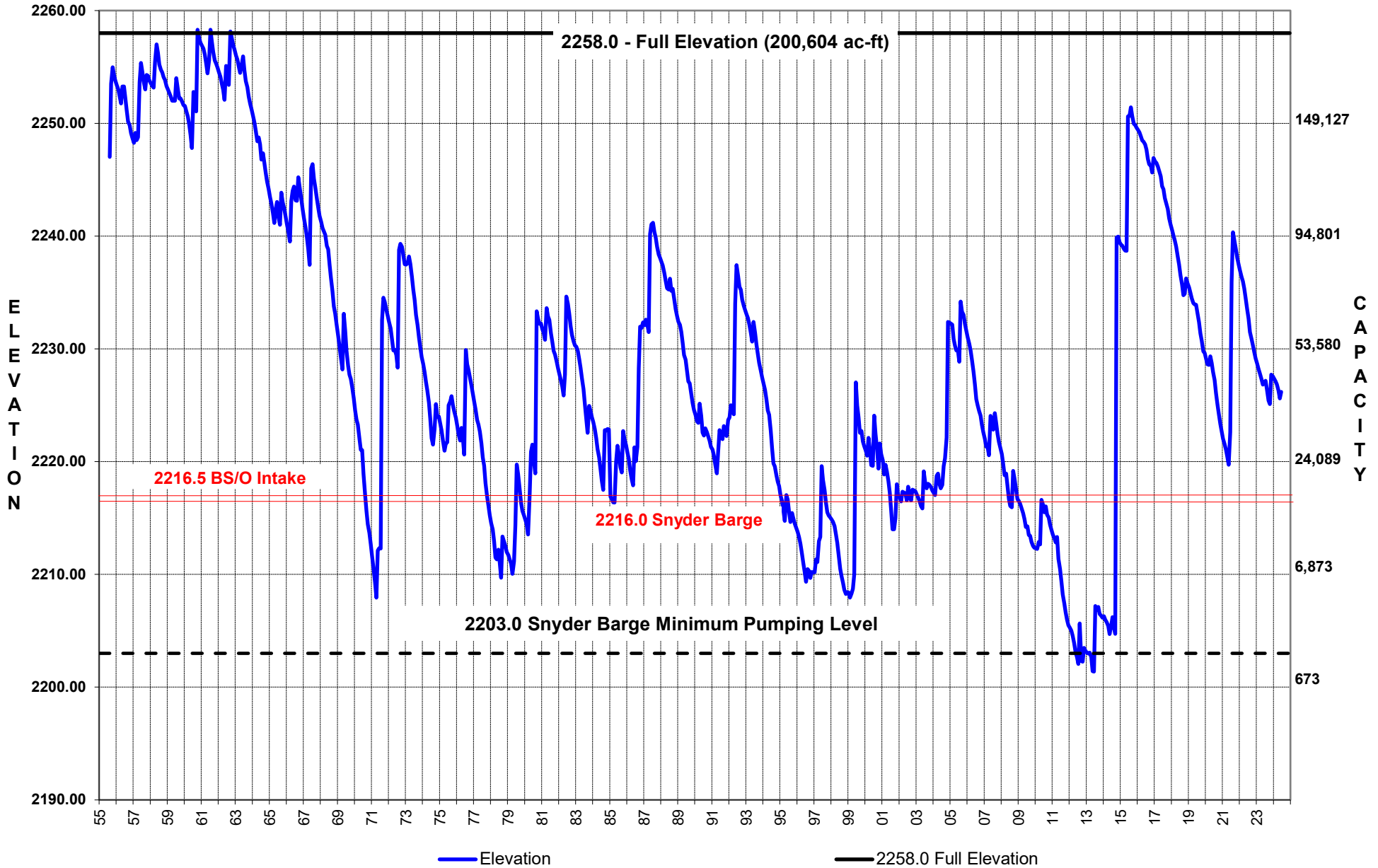
**BIG SPRING RAW WATER PRODUCTION FACILITY  
PRODUCTION REPORT  
May 2024**

	<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	288,063	9,292	41,638,063



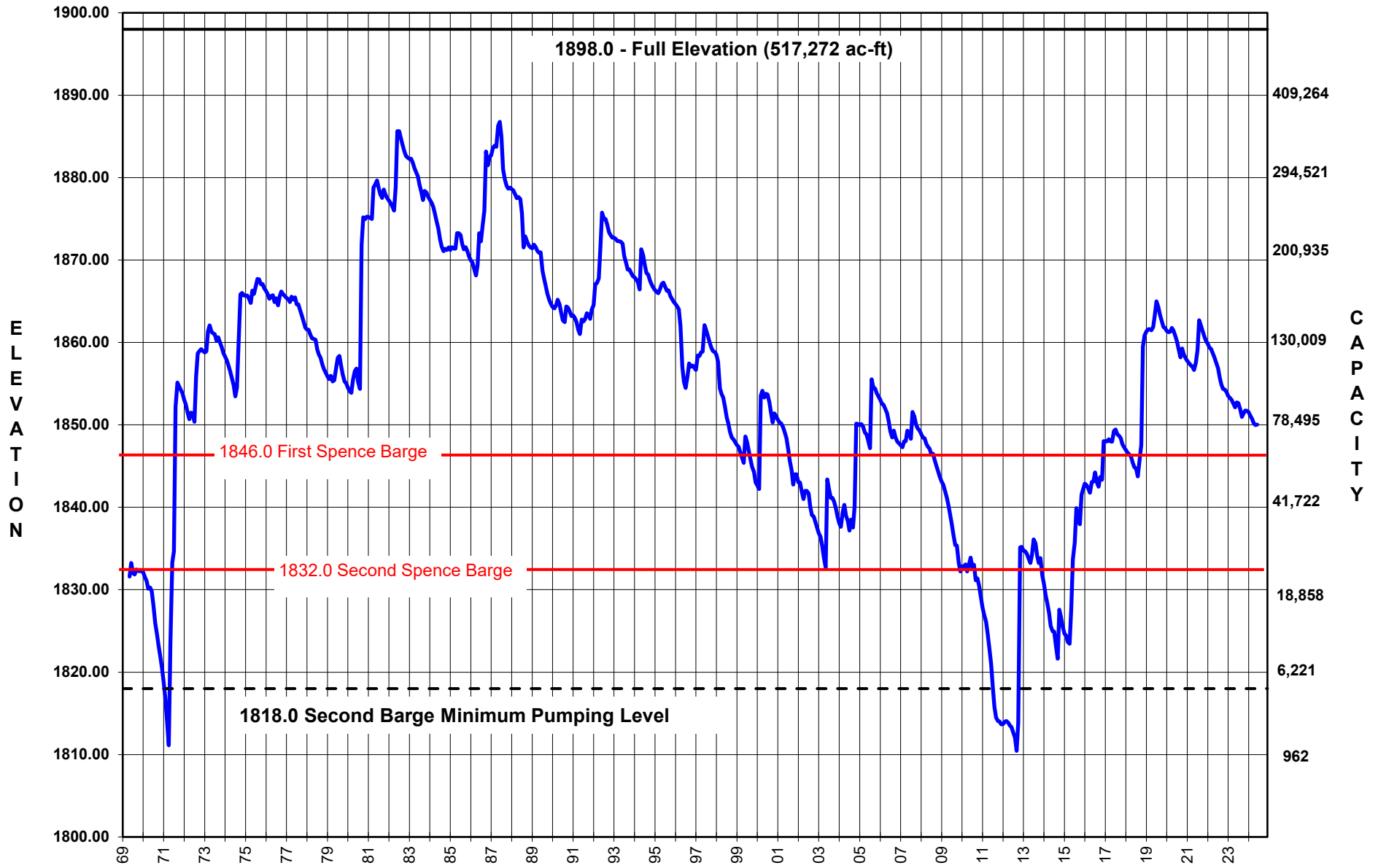
# LAKE J.B. THOMAS

## Elevation August 1955 - May 2024



# E.V. SPENCE RESERVOIR

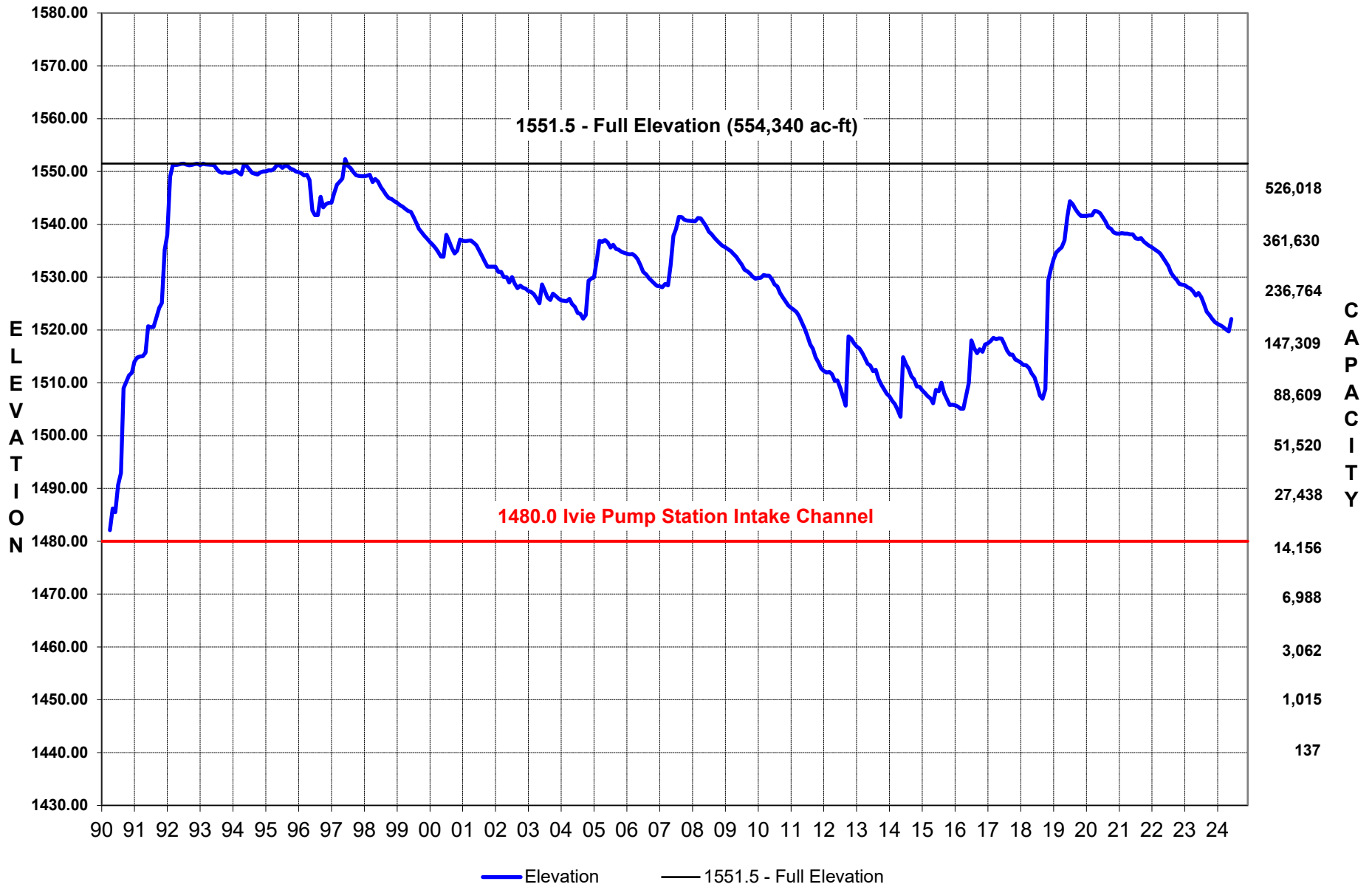
## Elevation May 1969 - May 2024



— Elevation      — 1898.0-Full Elevation

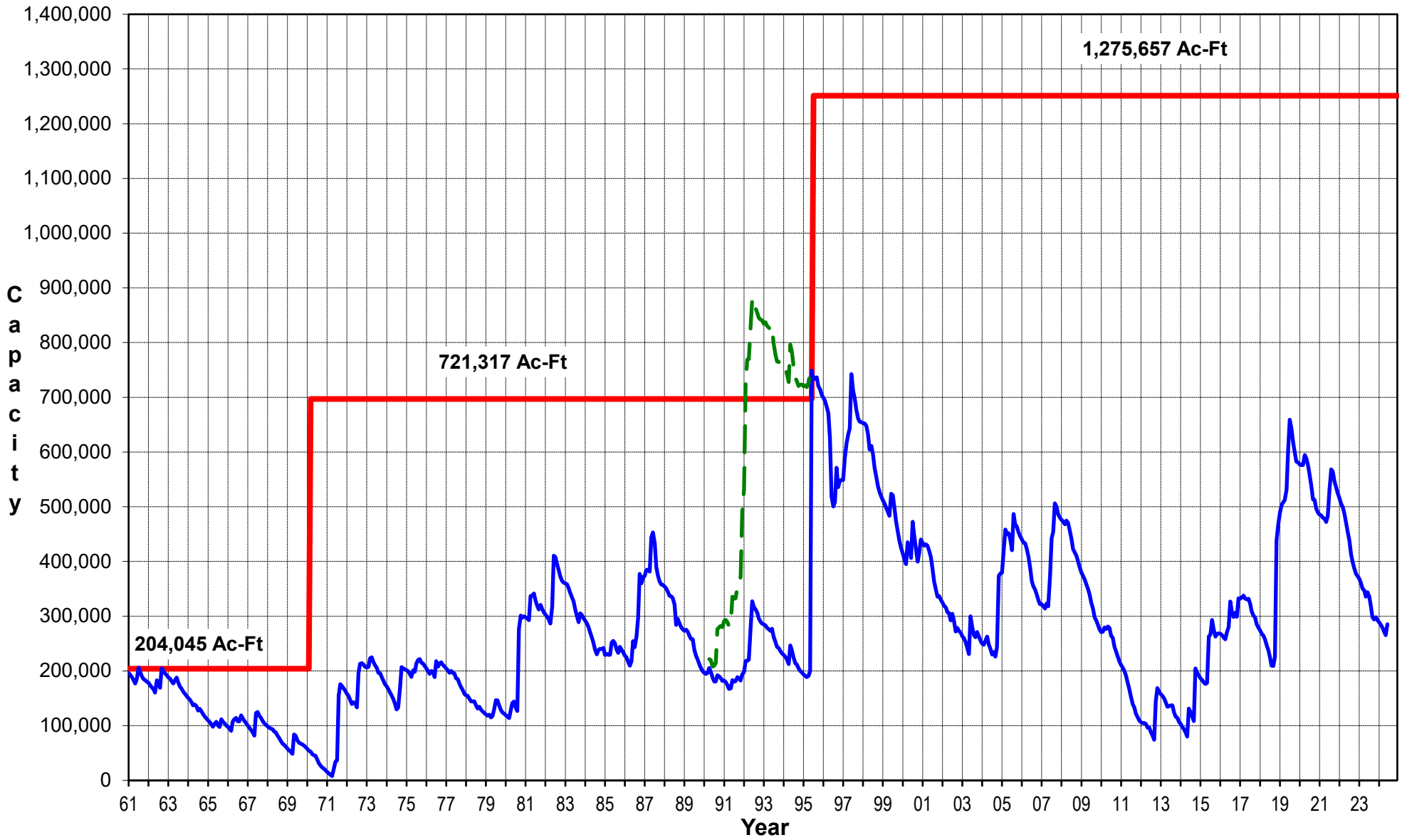
# O.H. IVIE RESERVOIR

Elevation April 1990 - May 2024



# COLORADO RIVER MUNICIPAL WATER DISTRICT

## COMBINED STORAGE Thomas, Spence, Moss, Ivie



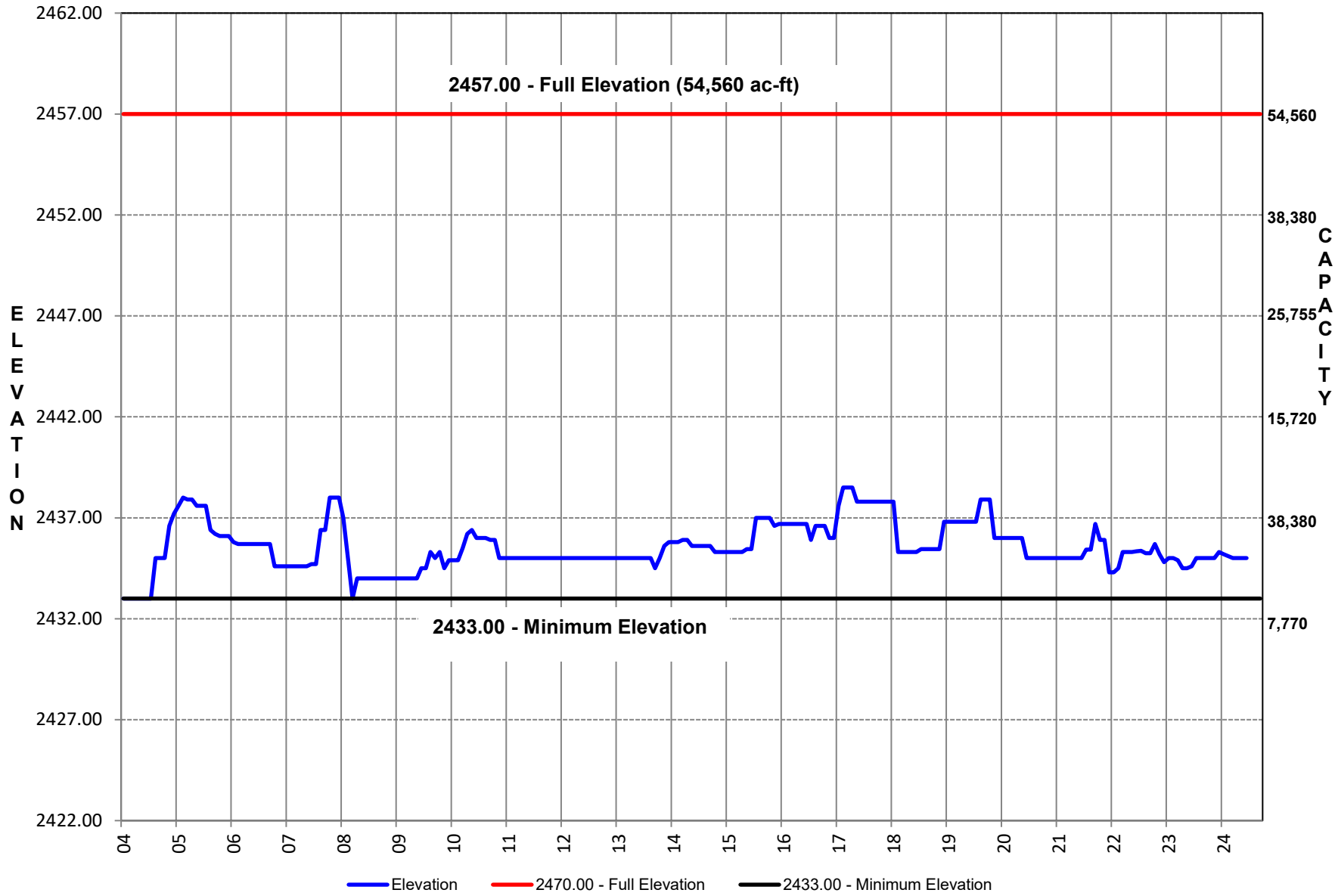
— Full Capacity

— Combined Storage (Ac-Ft)

- - Prior to Ivie Pipeline

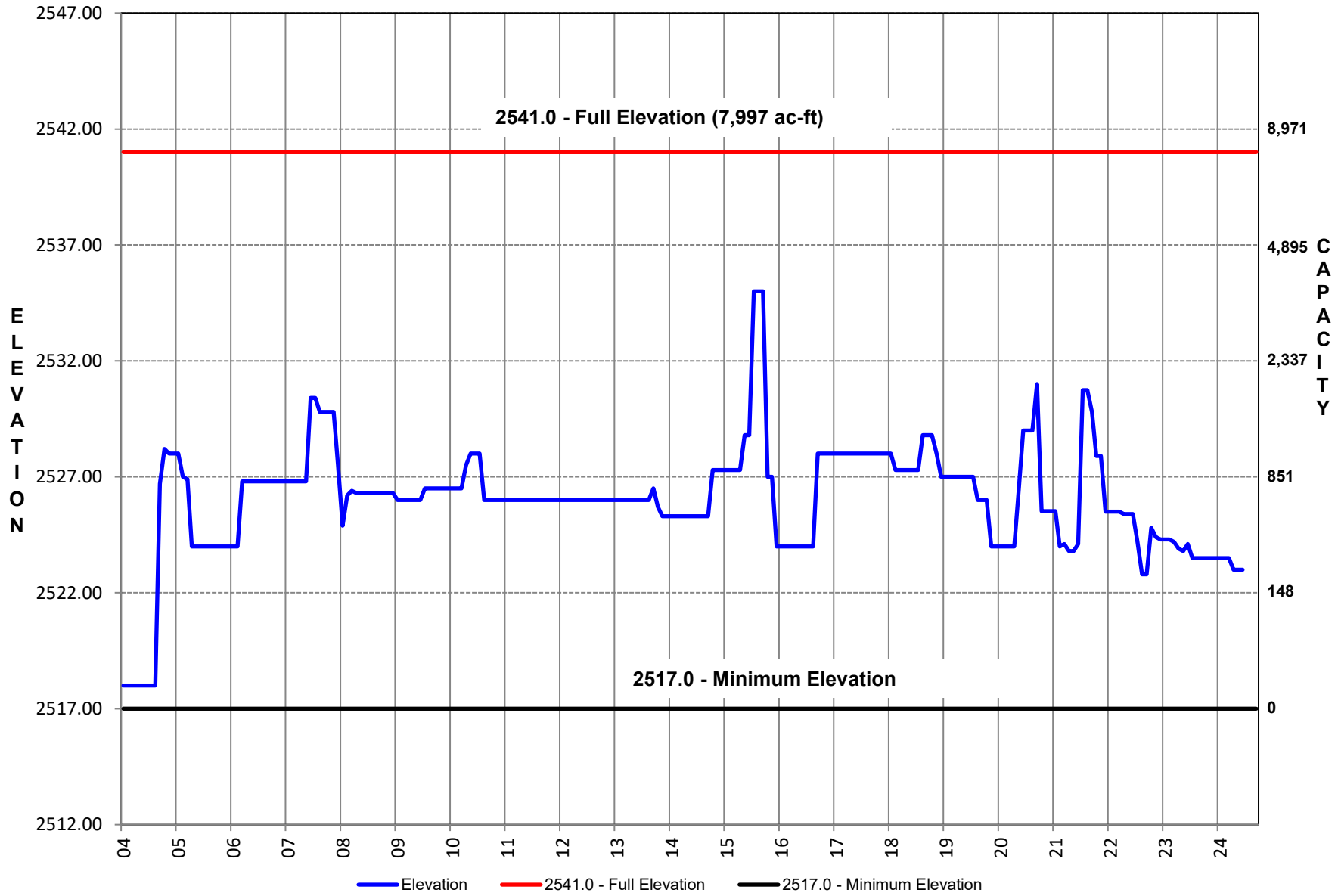
# Natural Dam Reservoir

## Elevation January 2004 - May 2024



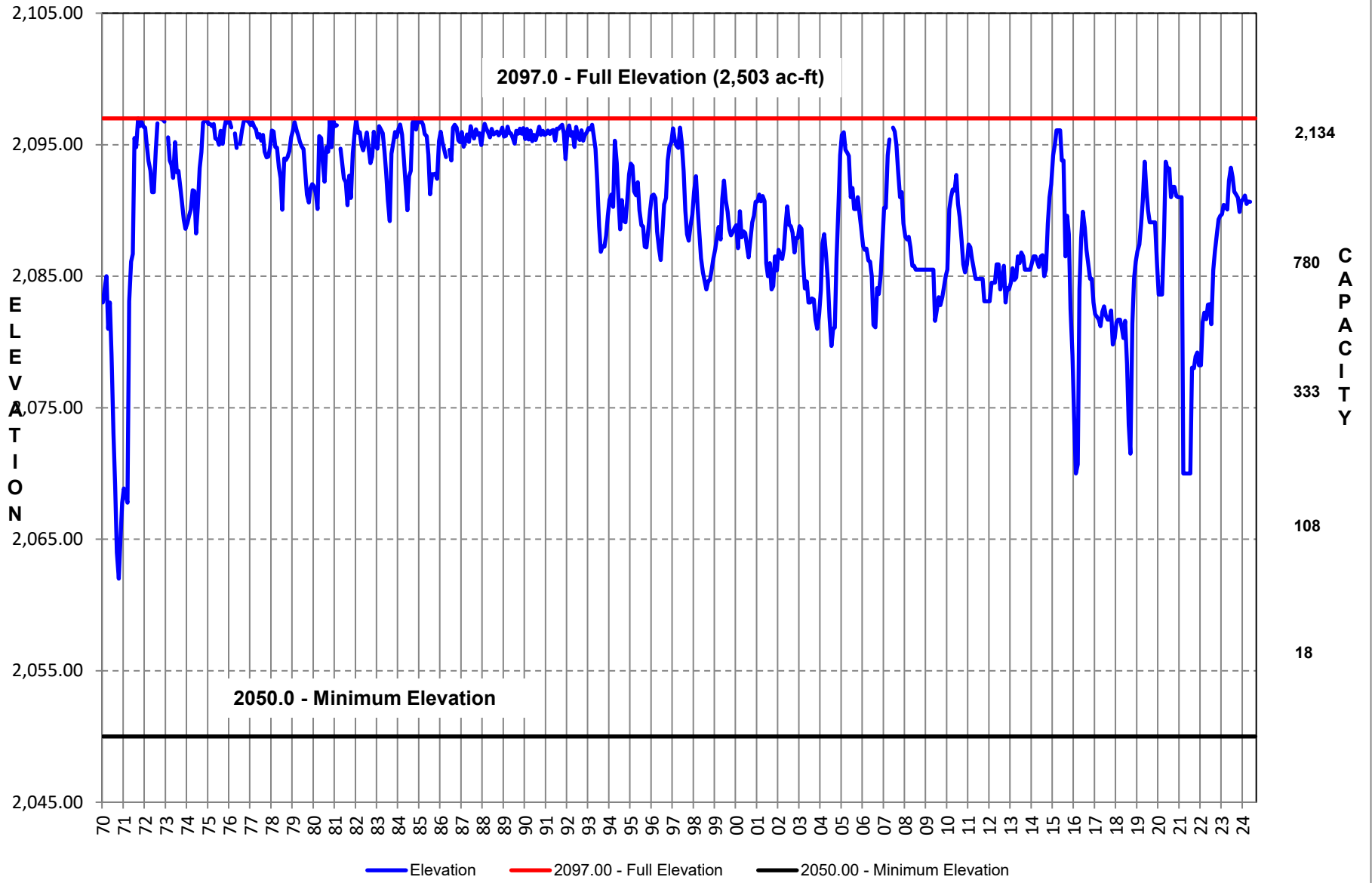
# Sulphur Draw Reservoir

Elevation January 2004 - May 2024



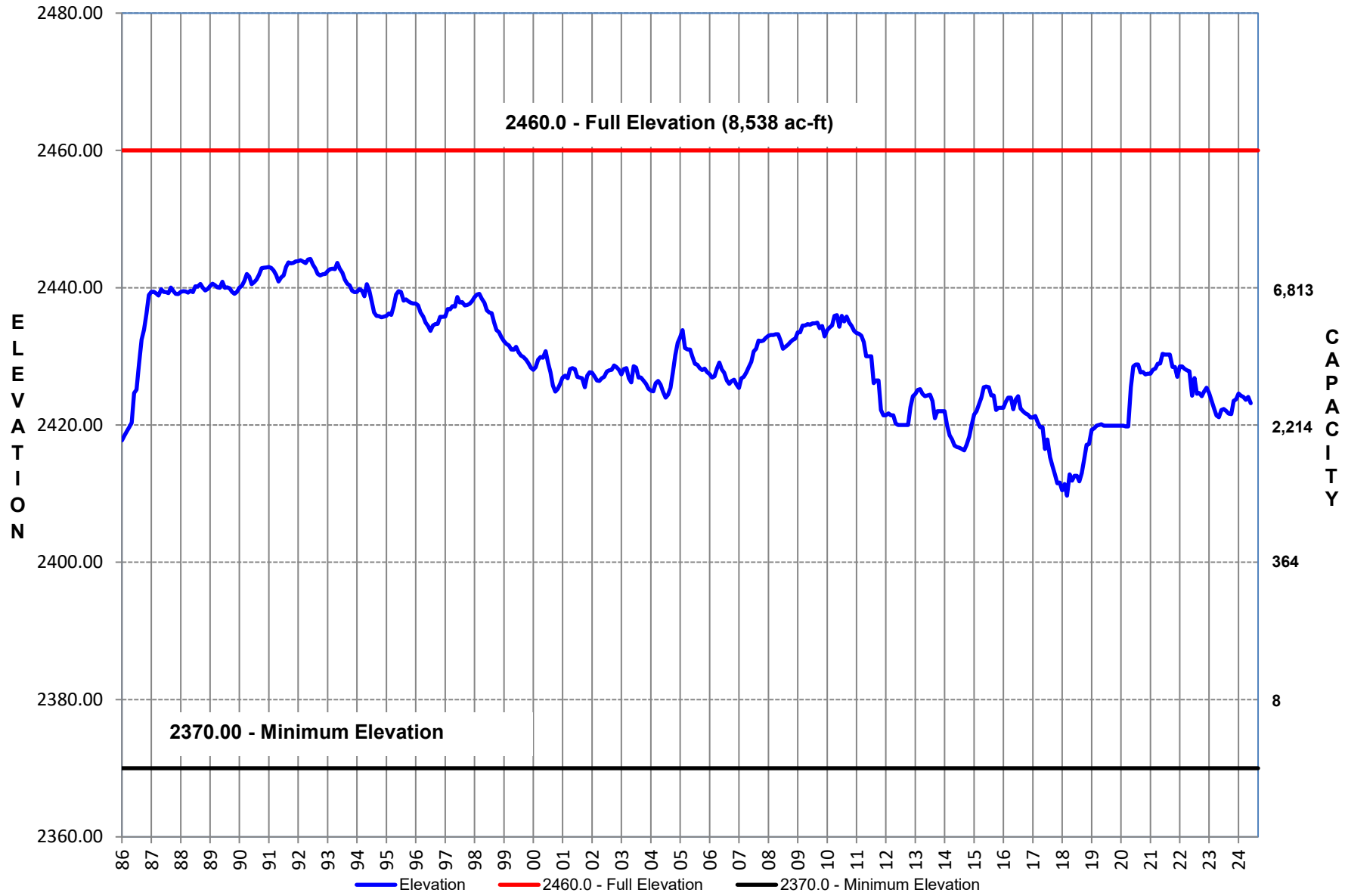
# Barber Lake

Elev February 1970 - May 2024



# Red Draw

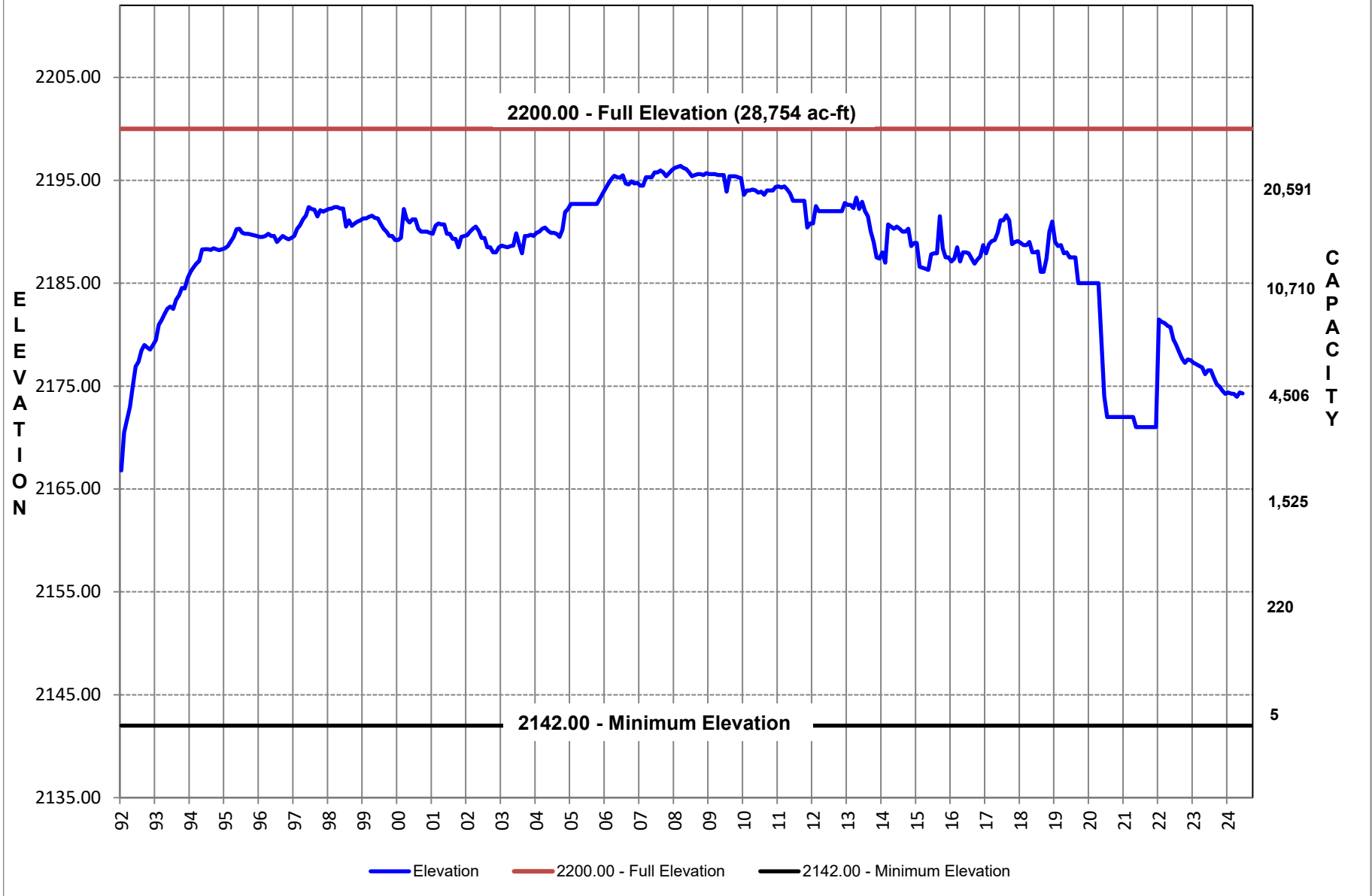
## Elevation January 1986 - May 2024





# Mitchell County Reservoir

Elevation January 1992 - May 2024



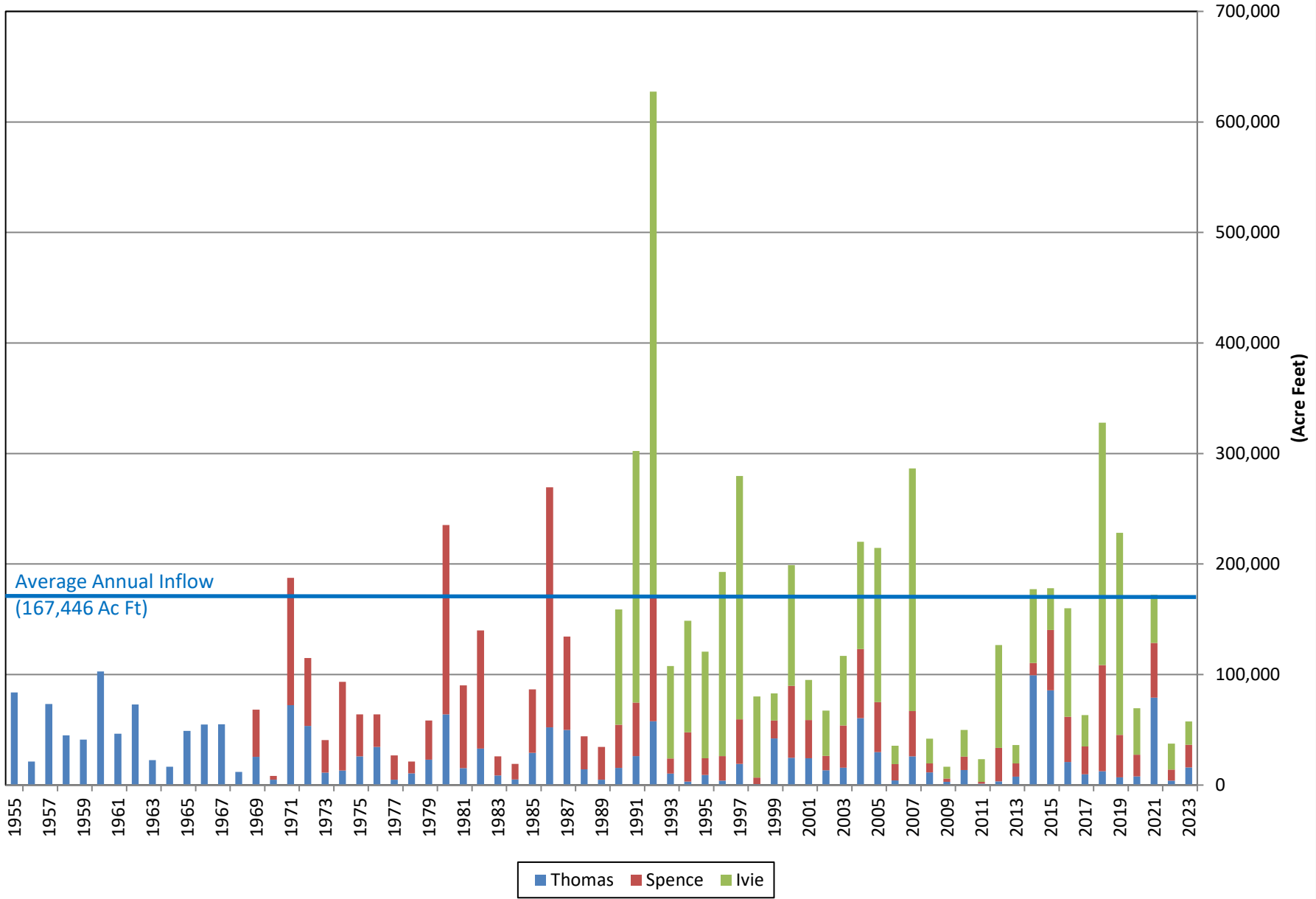
# **Annual Historical Data**

COLORADO RIVER MUNICIPAL WATER DISTRICT

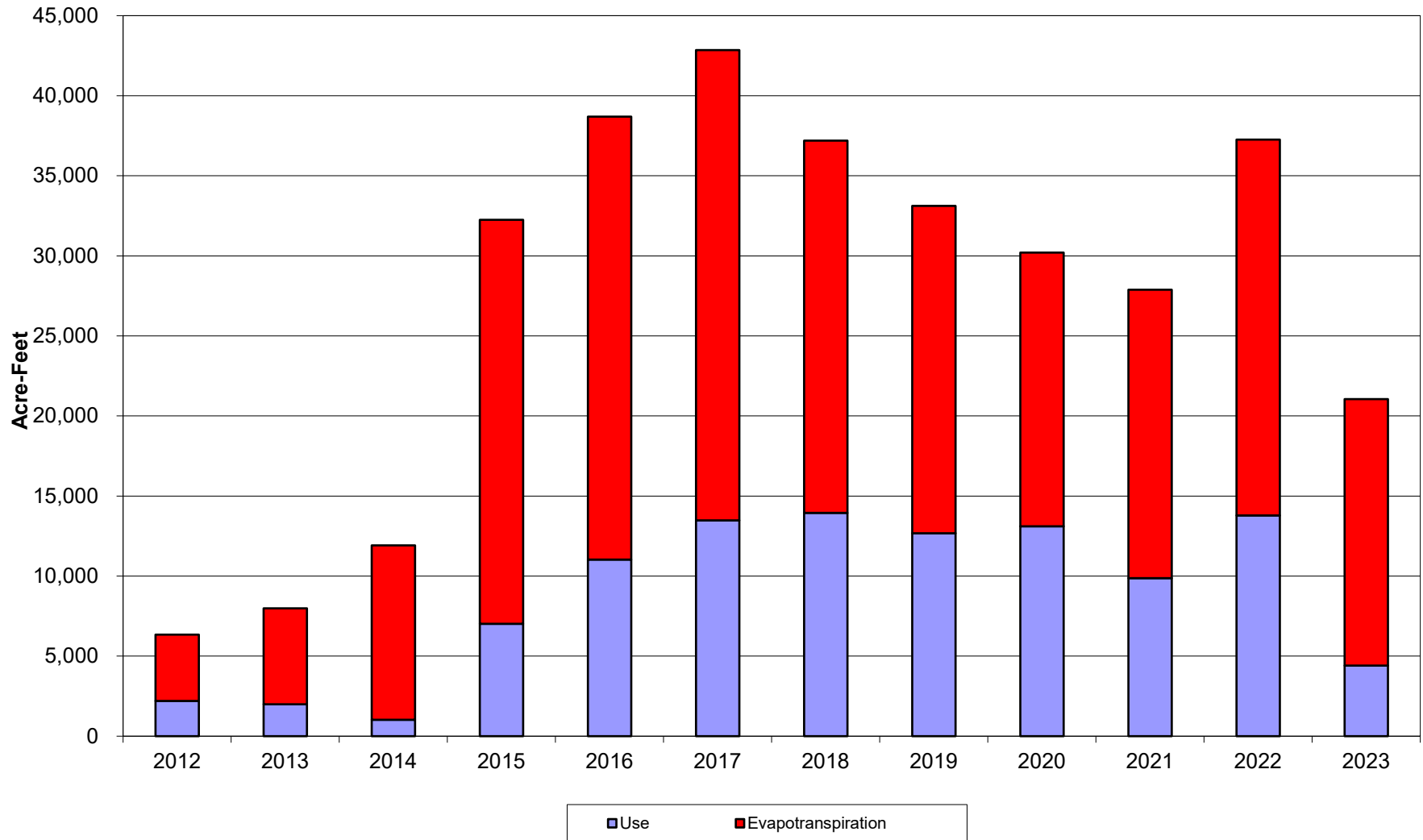
RESERVOIR INFLOW SUMMARY

Calendar Year	J.B. Thomas (AC-FT)	E.V. Spence (AC-FT)	O.H. Ivie (AC-FT)	Total (AC-FT)
2023	16,069	20,354	21,057	57,480
2022	4,001	9,985	23,456	37,442
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
<b>Annual Average</b>	<b>29,308</b>	<b>43,201</b>	<b>94,937</b>	<b>167,446</b>

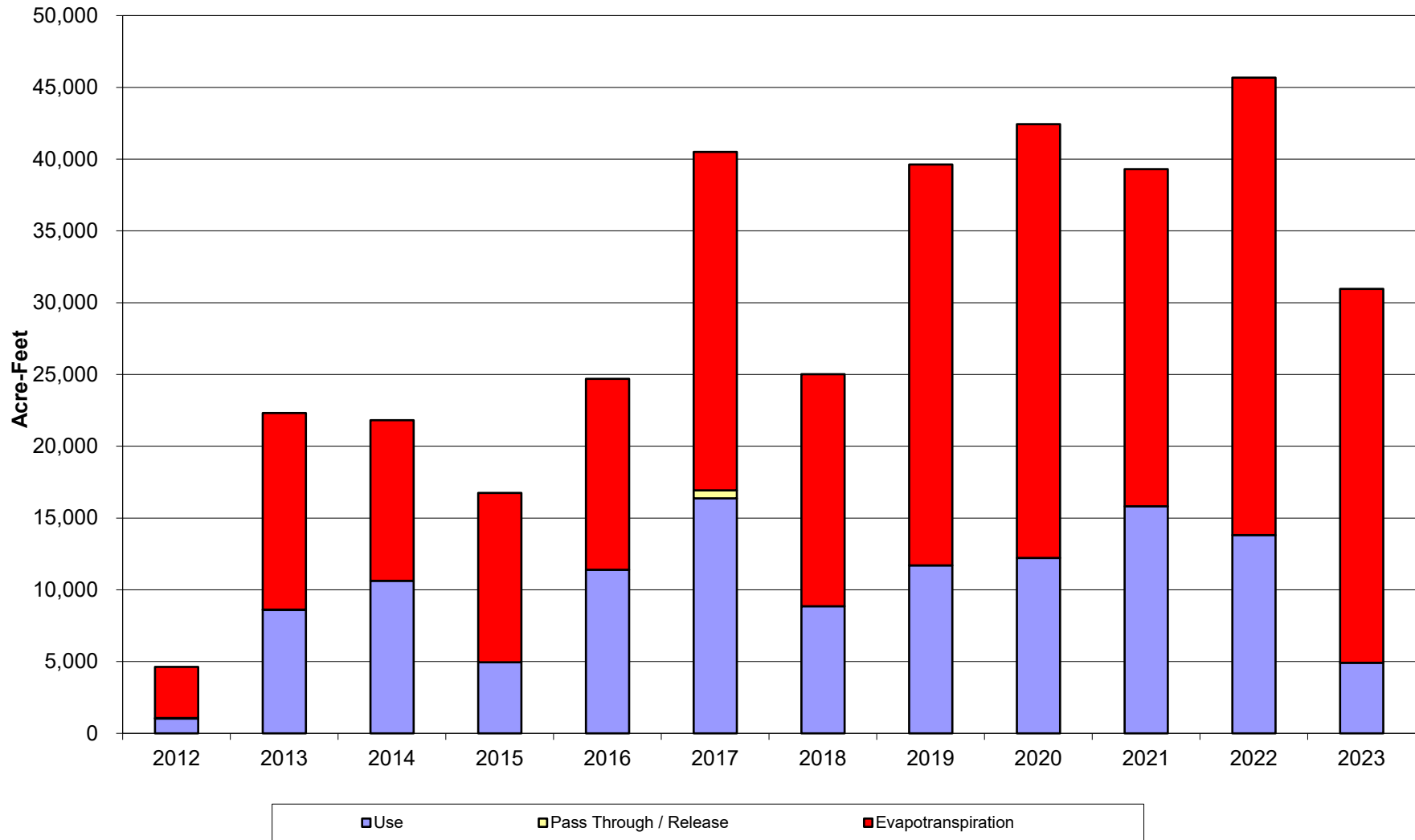
## Combined Inflow (1955 through 2023)



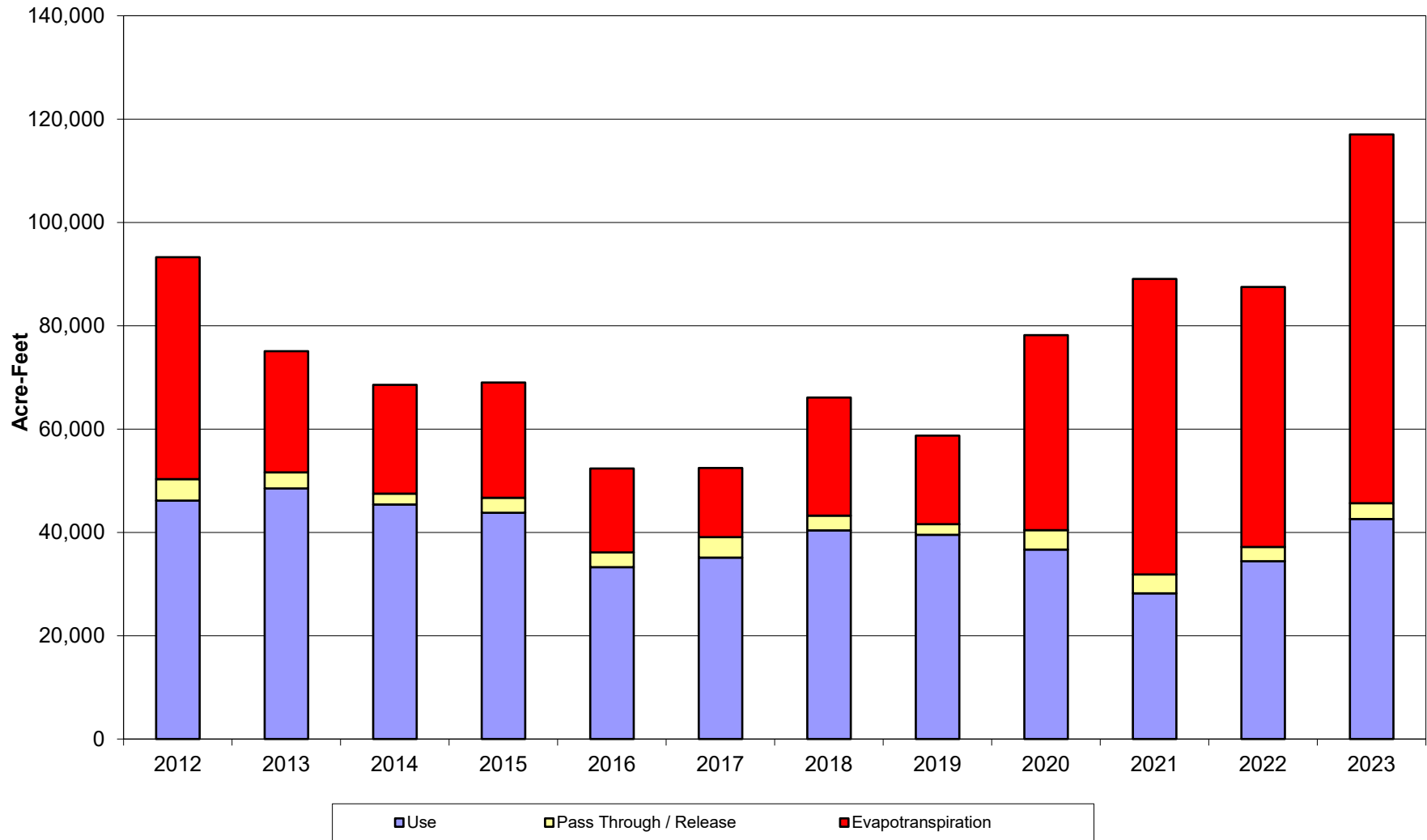
Lake J.B. Thomas  
January 2012 thru December 2023



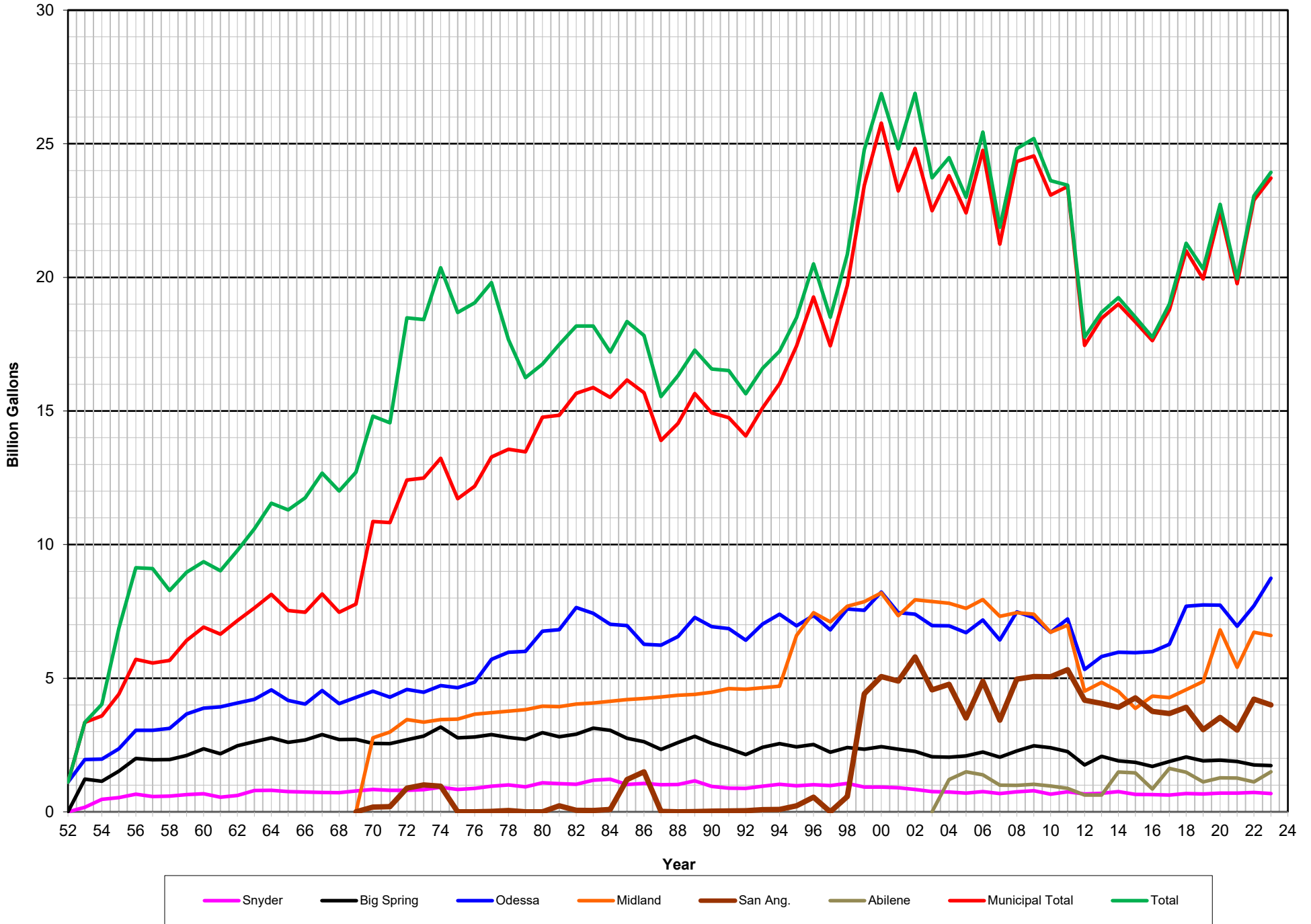
### E.V. Spence Reservoir January 2012 thru December 2023



O.H. Ivie Reservoir  
January 2012 thru December 2023



# Colorado River Municipal Water District Historical Water Delivery - FY 1952 - 2023





# Colorado River Municipal Water District Source of Supply January 1962 through December 2023

