



*Colorado River Municipal Water District*

# Monthly Water Report

**February 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  
February 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	120,295,900	4,148,134	268,989,300
Odessa	530,427,900	18,290,617	1,135,646,900
Snyder	48,055,000	1,657,069	102,775,000
<b>Subtotal</b>	<b>698,778,800</b>	<b>24,095,821</b>	<b>1,507,411,200</b>

**Municipal Customers**

Grandfalls	0	0	0
Midland - 1966 Contract	332,774,800	11,474,993	686,564,800
Midland - Ivie Contract	81,252,000	2,801,793	113,683,000
Millersview Doole WSC	38,887,800	1,340,959	64,699,200
San Angelo - Spence	0	0	0
San Angelo - Ivie	311,600,000	10,744,828	646,600,000
Stanton	11,310,100	390,003	22,786,300
Abilene	90,850,000	3,132,759	211,493,000
<b>Subtotal</b>	<b>866,674,700</b>	<b>29,885,334</b>	<b>1,745,826,300</b>

**Industrial Customers**

Alon Rural Meters	3,423,550	118,053	6,630,280
Luminant Generation	0	0	0
Occidental	50	2	920
Parallel Petroleum	1,170	40	16,860
Power Resources	8,574,000	295,655	16,538,000
<b>Subtotal</b>	<b>11,998,770</b>	<b>413,751</b>	<b>23,186,060</b>

**Diverted Water System**

**Industrial Customers**

BASA Resources	200	7	40,900
Sabinal	51,800	1,786	282,600
Rover Operating	500,320	17,252	2,383,620
Fleur de Lis Energy	0	0	0
<b>Subtotal</b>	<b>552,320</b>	<b>19,046</b>	<b>2,707,120</b>

<b>Total Deliveries</b>	<b>1,578,004,590</b>	<b>54,413,951</b>	<b>3,279,130,680</b>
-------------------------	----------------------	-------------------	----------------------

**COLORADO RIVER MUNICIPAL WATER DISTRICT  
RESERVOIR REPORT  
February 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	43,114	
PERCENT FULL	21.49%	
FREE CAPACITY THIS DATE	157,490	
INFLOWS*	543	841
PASS THROUGH / RELEASES	0	0
WITHDRAWALS	394	678
EVAPORATION*	(1,070)	(1,963)

<u>ELEVATION ABOVE MEAN SEA LEVEL</u>		
ELEVATION WHEN FULL	2,258.00	
ELEVATION THIS DATE	2,226.85	

**E. V. Spence Reservoir**

<u>CONTENTS IN ACRE FEET</u>		
CAPACITY WHEN FULL	517,272	
CAPACITY THIS DATE	81,683	
PERCENT FULL	15.79%	
FREE CAPACITY THIS DATE	435,589	
INFLOWS*	530	1,905
PASS THROUGH / RELEASES	0	0
WITHDRAWALS	1,371	2,823
EVAPORATION*	(1,122)	(3,428)

<u>ELEVATION ABOVE MEAN SEA LEVEL</u>		
ELEVATION WHEN FULL	1,898.00	
ELEVATION THIS DATE	1,850.71	

**COLORADO RIVER MUNICIPAL WATER DISTRICT  
RESERVOIR REPORT  
February 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	151,418	
PERCENT FULL	27.32%	
FREE CAPACITY THIS DATE	402,922	
INFLOWS*	1,587	3,261
PASS THROUGH / RELEASES	0	0
WITHDRAWALS	2,309	4,875
SPILLS	0	0
EVAPORATION*	(2,066)	(4,083)
<i><u>ELEVATION ABOVE MEAN SEA LEVEL</u></i>		
ELEVATION WHEN FULL	1,551.50	
ELEVATION THIS DATE	1,520.56	

**Moss Creek Lake**

<i><u>CONTENTS IN ACRE FEET</u></i>		
CAPACITY WHEN FULL	3,441	
CAPACITY THIS DATE	2,738	
PERCENT FULL	79.57%	
FREE CAPACITY THIS DATE	703	
INFLOWS*	49	97
PASS THROUGH / RELEASES	0	0
WITHDRAWALS	(3)	123
SPILLS	0	0
EVAPORATION*	(34)	(62)
<i><u>ELEVATION ABOVE MEAN SEA LEVEL</u></i>		
ELEVATION WHEN FULL	2,336.50	
ELEVATION THIS DATE	2,331.86	

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	2,226.85	43,114	841	678	0	(1,963)
E.V. Spence Reservoir	1,850.71	81,683	1,905	2,823	0	(3,428)
O.H. Ivie Reservoir	1,520.56	151,418	3,261	4,875	0	(4,083)
Moss Creek Lake	2,331.86	2,738	97	123	0	(62)
	<b>Total</b>	<b>278,953</b>	<b>6,104</b>	<b>8,499</b>	<b>0</b>	<b>(9,536)</b>

\* Inflow and Evaporation are approximate.

**COLORADO RIVER MUNICIPAL WATER DISTRICT  
 DIVERTED / WATER QUALITY ENHANCEMENT SYSTEM  
 RESERVOIRS REPORT  
 February 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*	(296)	(544)
<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	291	
PERCENT FULL	3.64%	
FREE CAPACITY THIS DATE	7,706	
INFLOWS*	0	0
PASS THROUGH / RELEASES	0	0
EVAPORATION*	(33)	(61)
<i><u>ELEVATION ABOVE MEAN SEA LEVEL</u></i>		
ELEVATION WHEN FULL	2,541.00	
ELEVATION THIS DATE	2,523.50	

**COLORADO RIVER MUNICIPAL WATER DISTRICT  
 DIVERTED / WATER QUALITY ENHANCEMENT SYSTEM  
 RESERVOIRS REPORT  
 February 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	1,505	
PERCENT FULL	60.13%	
FREE CAPACITY THIS DATE	998	
INFLOWS*	32	95
WIER FLOW	18	37
PUMPED IN	140	356
WITHDRAWALS	38	38
SPILLS	0	0
EVAPORATION*	(35)	(65)
<i><u>ELEVATION ABOVE MEAN SEA LEVEL</u></i>		
ELEVATION WHEN FULL	2,097.00	
ELEVATION THIS DATE	2,091.14	
<b><u>Red Draw</u></b>		
<i><u>CONTENTS IN ACRE FEET</u></i>		
CAPACITY WHEN FULL	8,538	
CAPACITY THIS DATE	2,888	
PERCENT FULL	33.83%	
FREE CAPACITY THIS DATE	5,650	
INFLOWS*	0	0
PUMPED IN	0	0
WITHDRAWALS	0	0
SPILLS	0	0
EVAPORATION*	(43)	(80)
<i><u>ELEVATION ABOVE MEAN SEA LEVEL</u></i>		
ELEVATION WHEN FULL	2,445.00	
ELEVATION THIS DATE	2,424.09	

**COLORADO RIVER MUNICIPAL WATER DISTRICT  
 DIVERTED / WATER QUALITY ENHANCEMENT SYSTEM  
 RESERVOIRS REPORT  
 February 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	4,190	
PERCENT FULL	15.37%	
FREE CAPACITY THIS DATE	23,076	
INFLOWS*	33	33
SPILLS	0	0
TRANSFERS IN	(25)	(33)
EVAPORATION*	(94)	(173)

<u><i>ELEVATION ABOVE MEAN SEA LEVEL</i></u>	
ELEVATION WHEN FULL	2,200.00
ELEVATION THIS DATE	2,174.24

<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	(544)
Sulphur Draw	2,523.50	291	0	(61)
Barber Lake	2,091.14	1,505	95	(65)
Red Draw	2,424.09	2,888	0	(80)
Mitchell County Reservoir	2,174.24	4,190	33	(173)
<b>Total</b>		<b>14,014</b>	<b>128</b>	<b>(922)</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	140	356
Beals Creek	0	0
<b>Total</b>	<b>140</b>	<b>356</b>

**COLORADO RIVER MUNICIPAL WATER DISTRICT  
GROUNDWATER REPORT  
February 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	173,277,000	5,975,069	173,277,000
Ward County South Well Field	0	0	0
Odessa Well Field (Out of Service)	0	0	0
Martin County Well Field	16,335,090	563,279	16,335,090
Snyder Well Field	0	0	0
<b>Total</b>	<b>189,612,090</b>	<b>6,538,348</b>	<b>189,612,090</b>

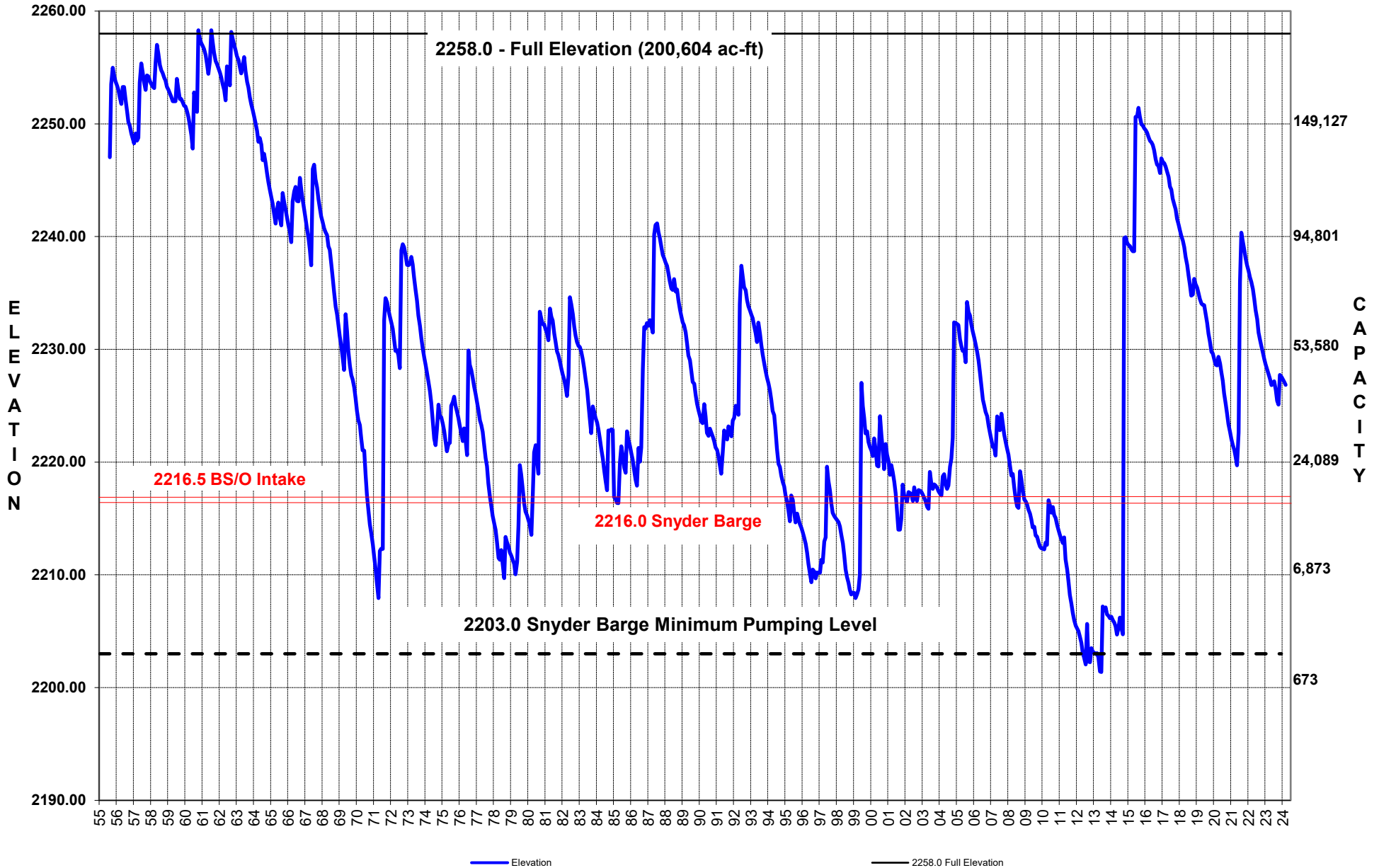
**BIG SPRING RAW WATER PRODUCTION FACILITY  
PRODUCTION REPORT  
February 2024**

	<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	10,420,000	359,310	20,120,000



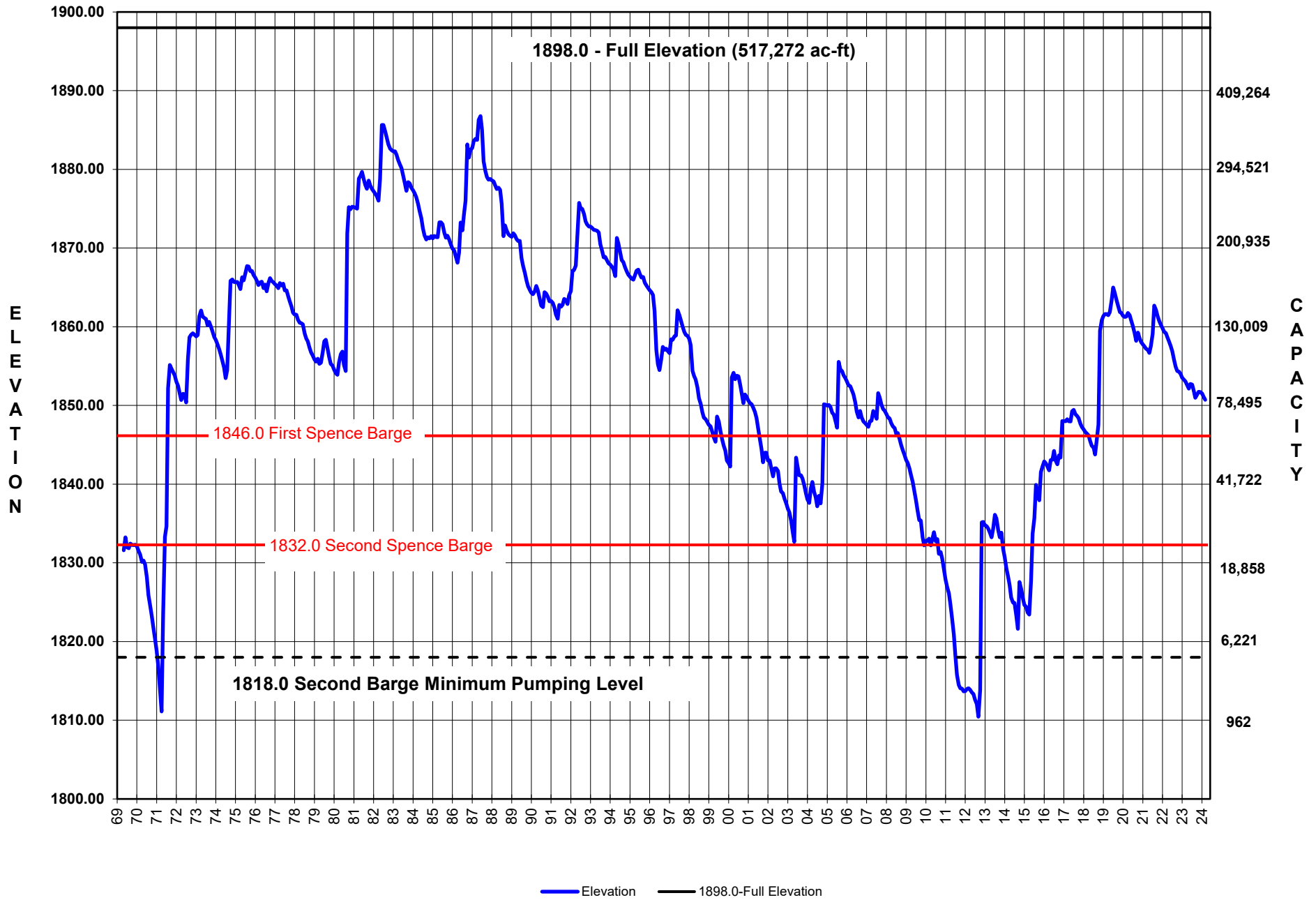
# LAKE J.B. THOMAS

## Elevation August 1955 - February 2024



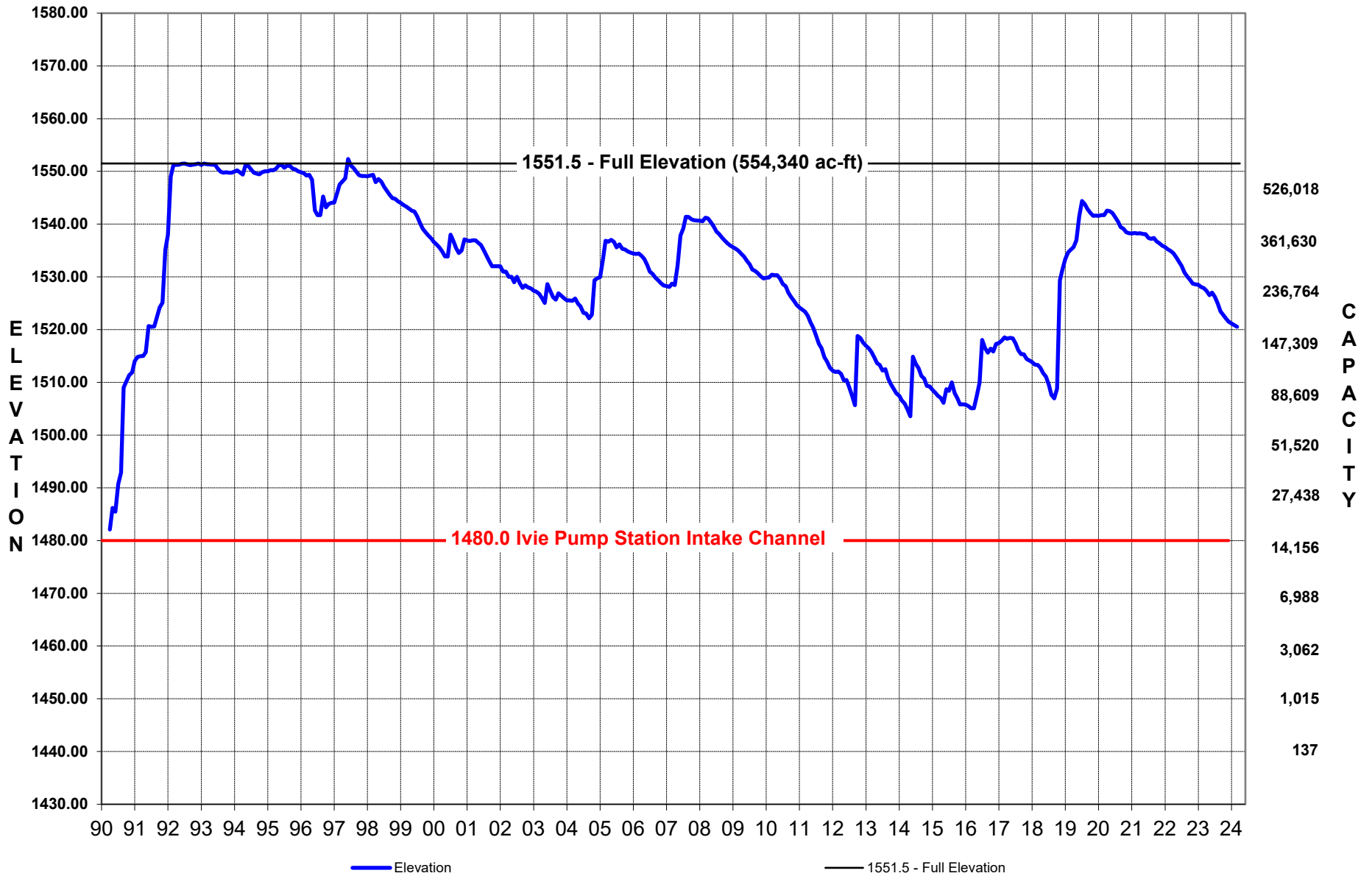
# E.V. SPENCE RESERVOIR

Elevation May 1969 - February 2024



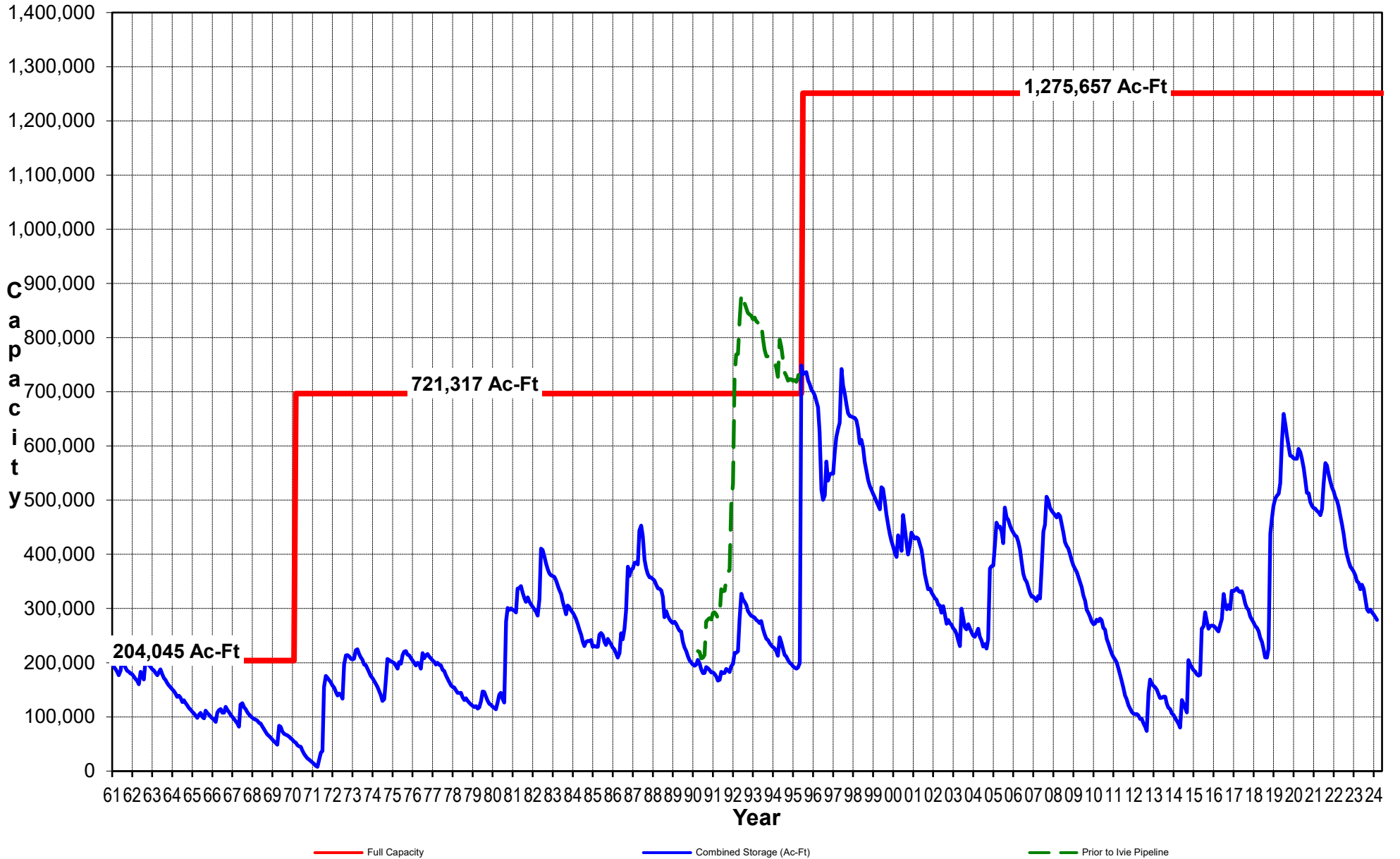
# O.H. IVIE RESERVOIR

## Elevation April 1990 - February 2024



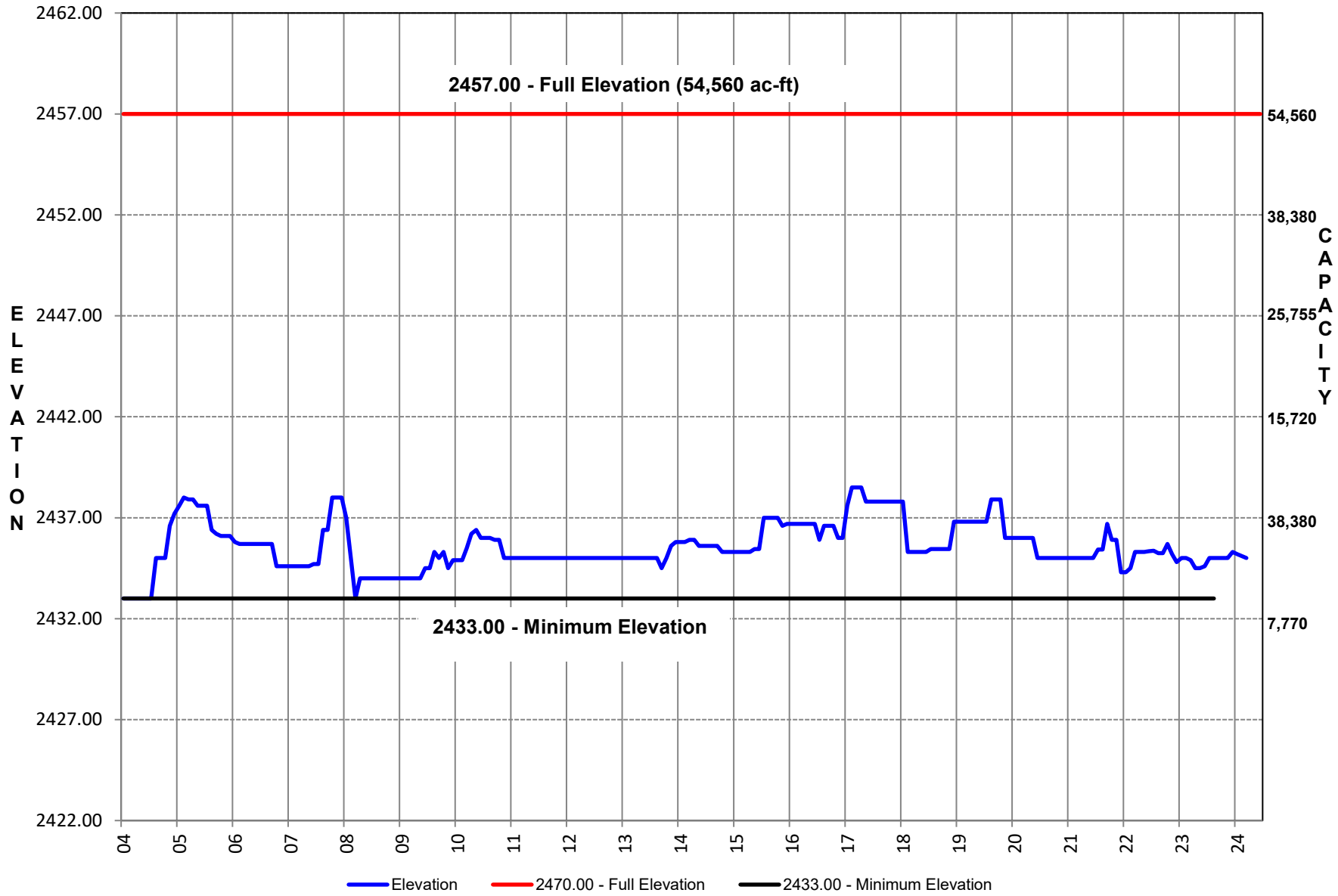
# COLORADO RIVER MUNICIPAL WATER DISTRICT

## COMBINED STORAGE Thomas, Spence, Moss, Ivie



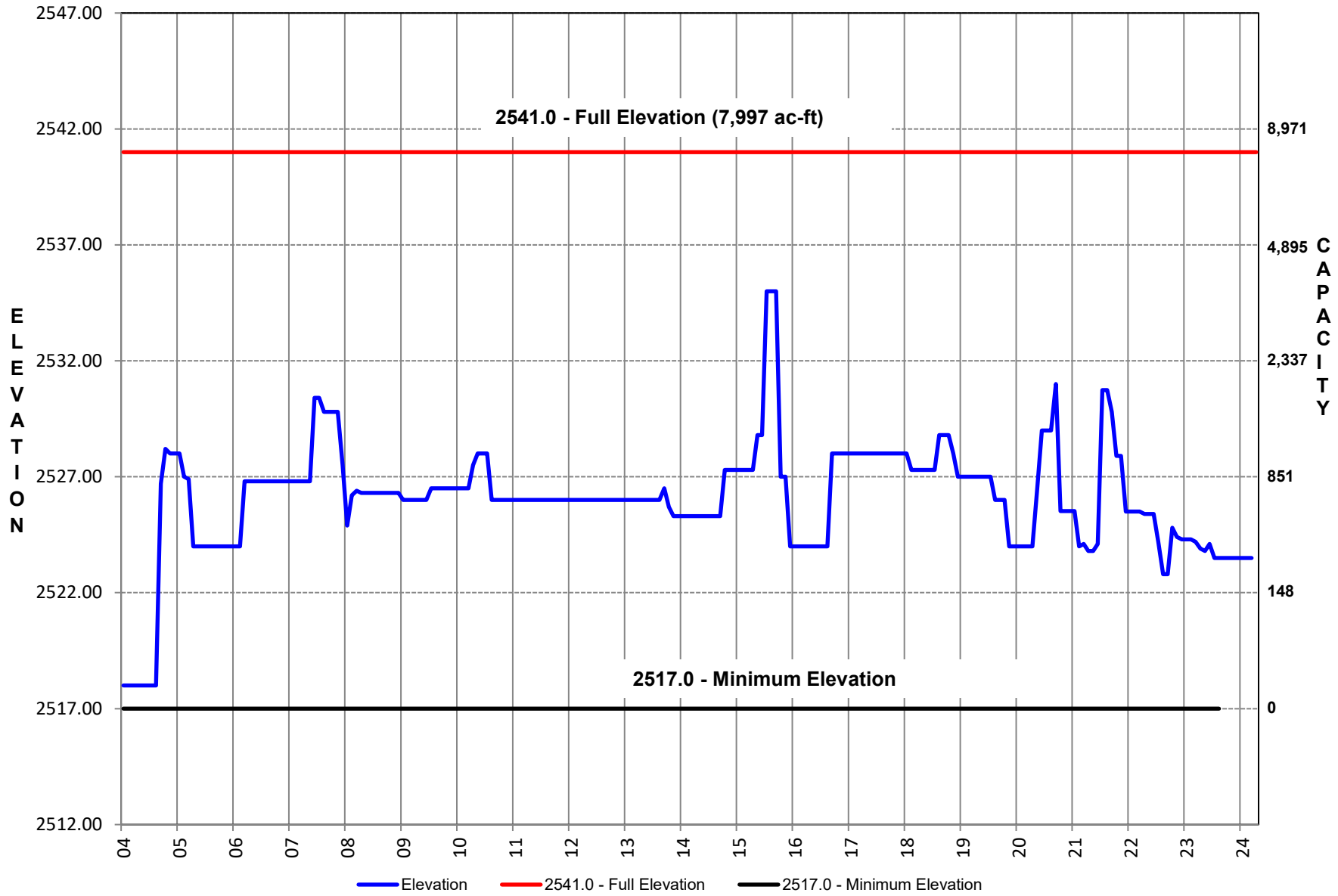
# Natural Dam Reservoir

## Elevation January 2004 - February 2024



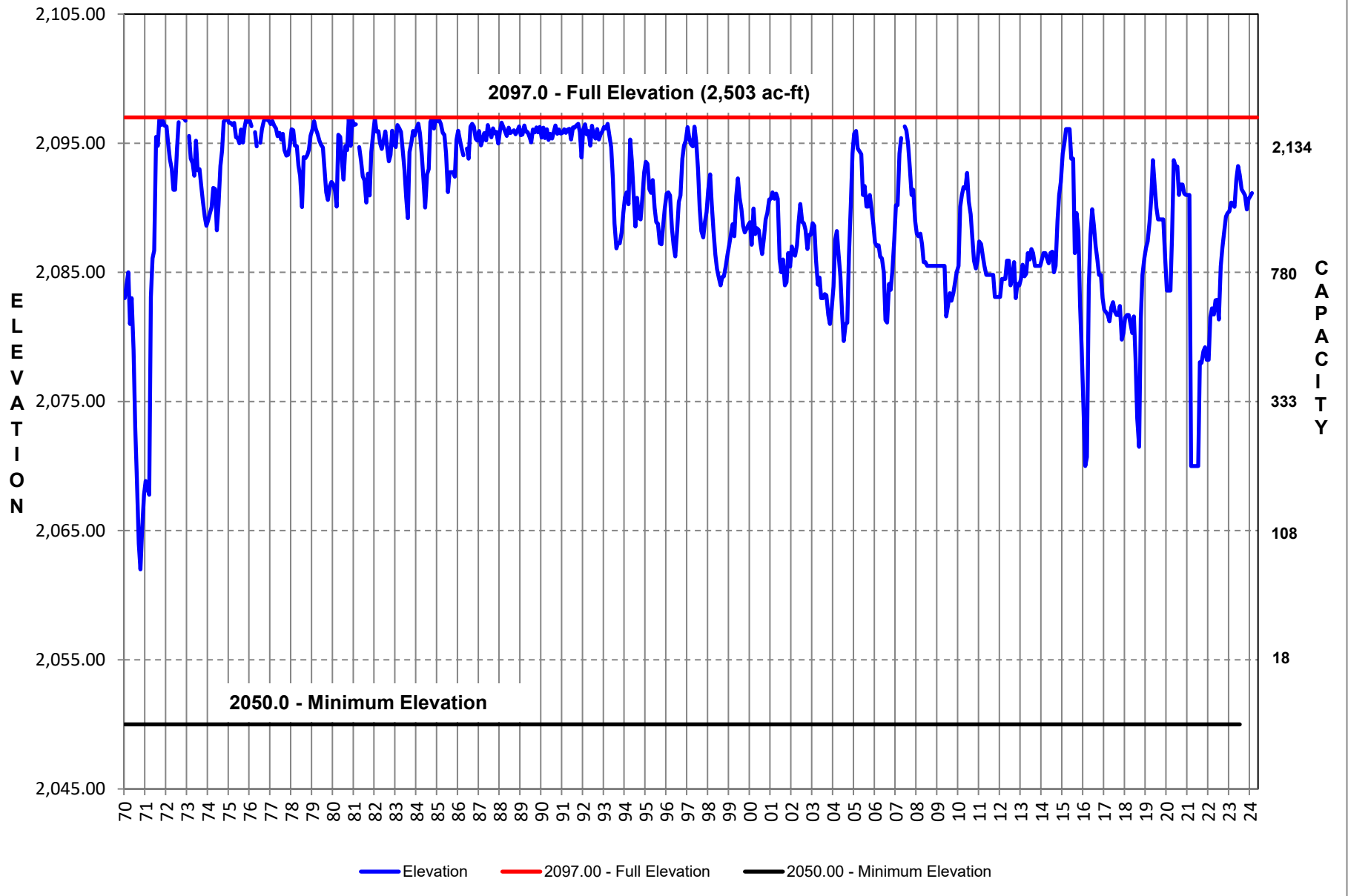
# Sulphur Draw Reservoir

Elevation January 2004 - February 2024



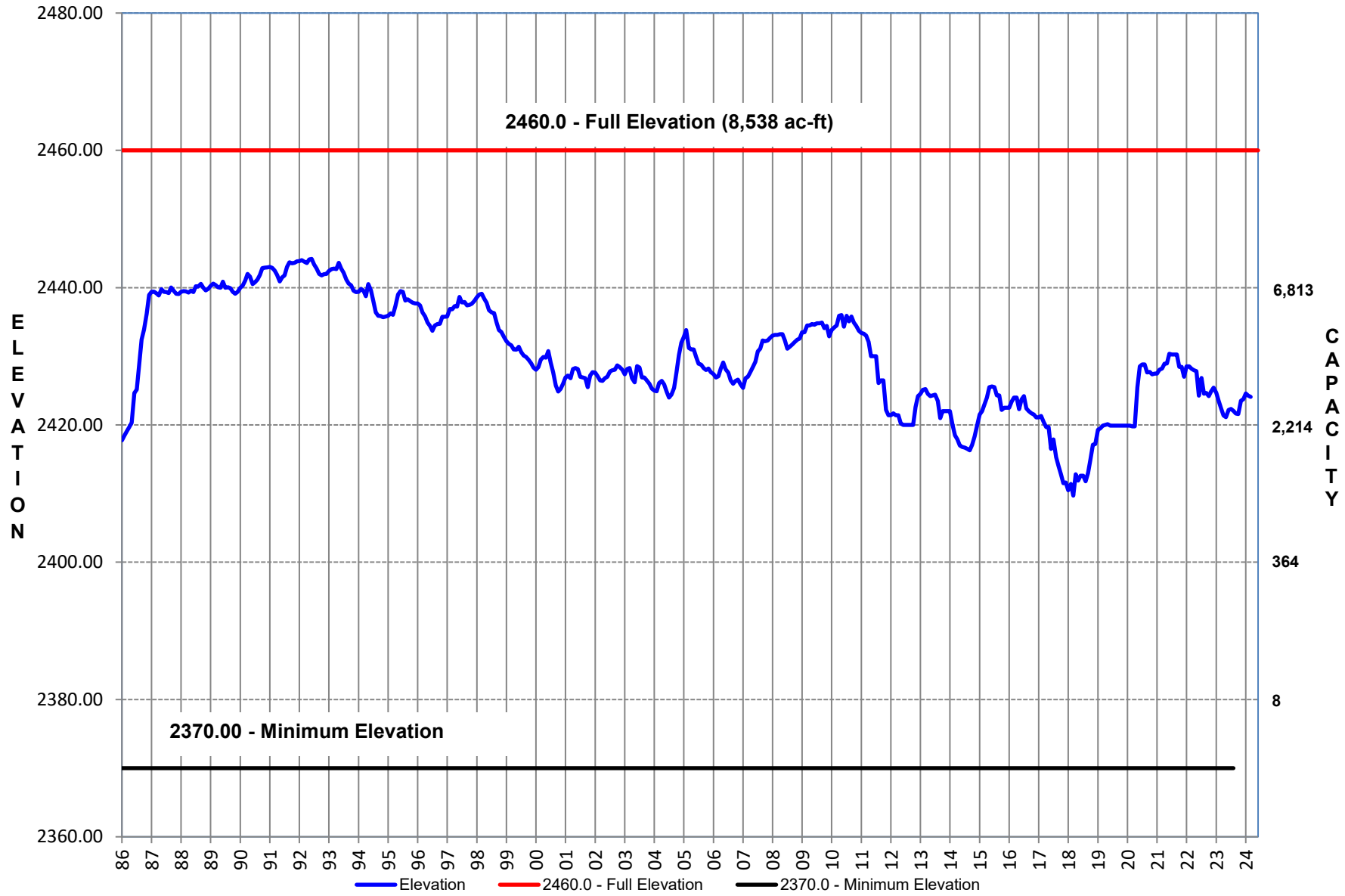
# Barber Lake

Elevation February 1970 - February 2024



# Red Draw

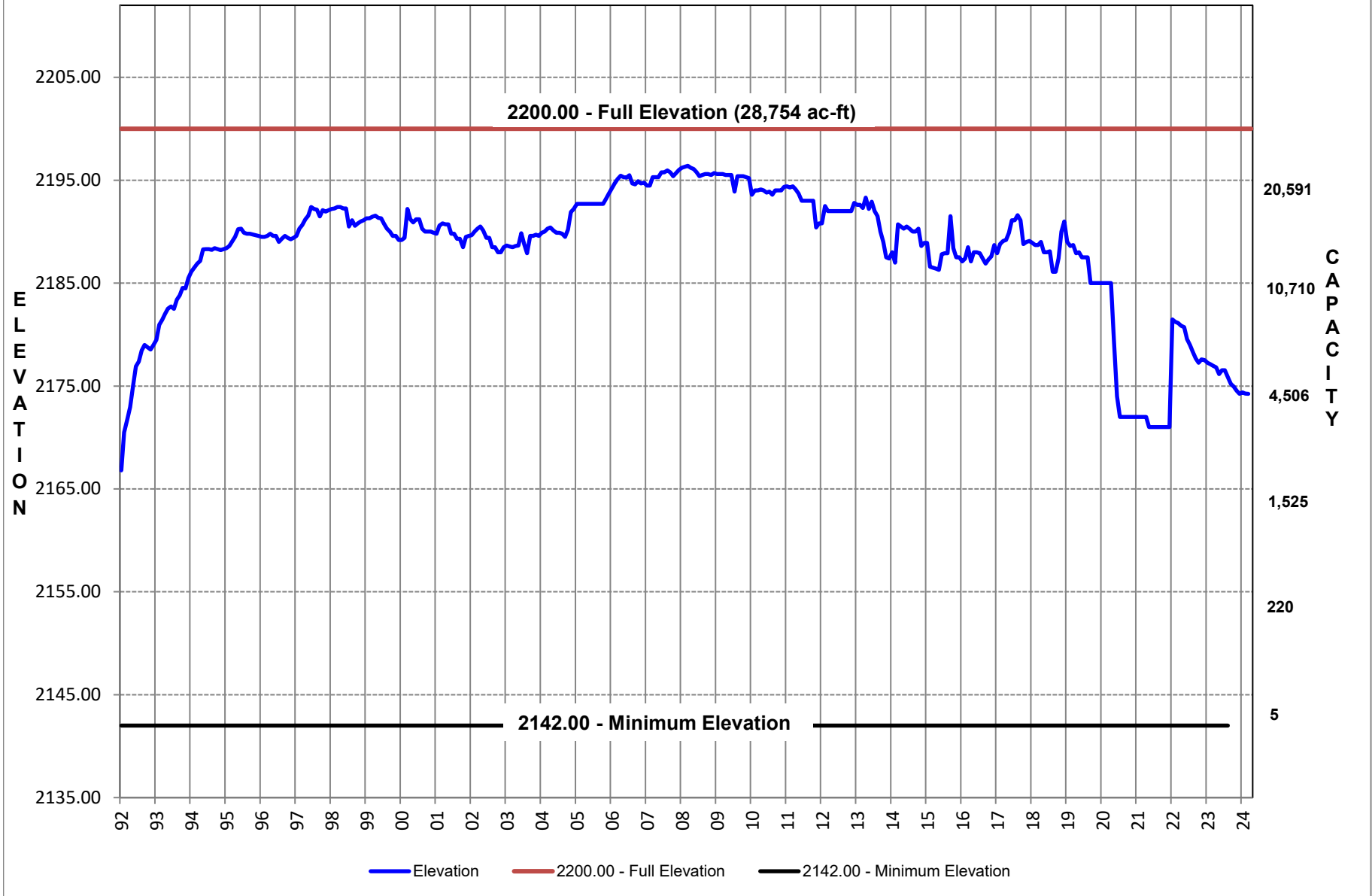
## Elevation January 1986 - February 2024





# Mitchell County Reservoir

## Elevation January 1992 - February 2024



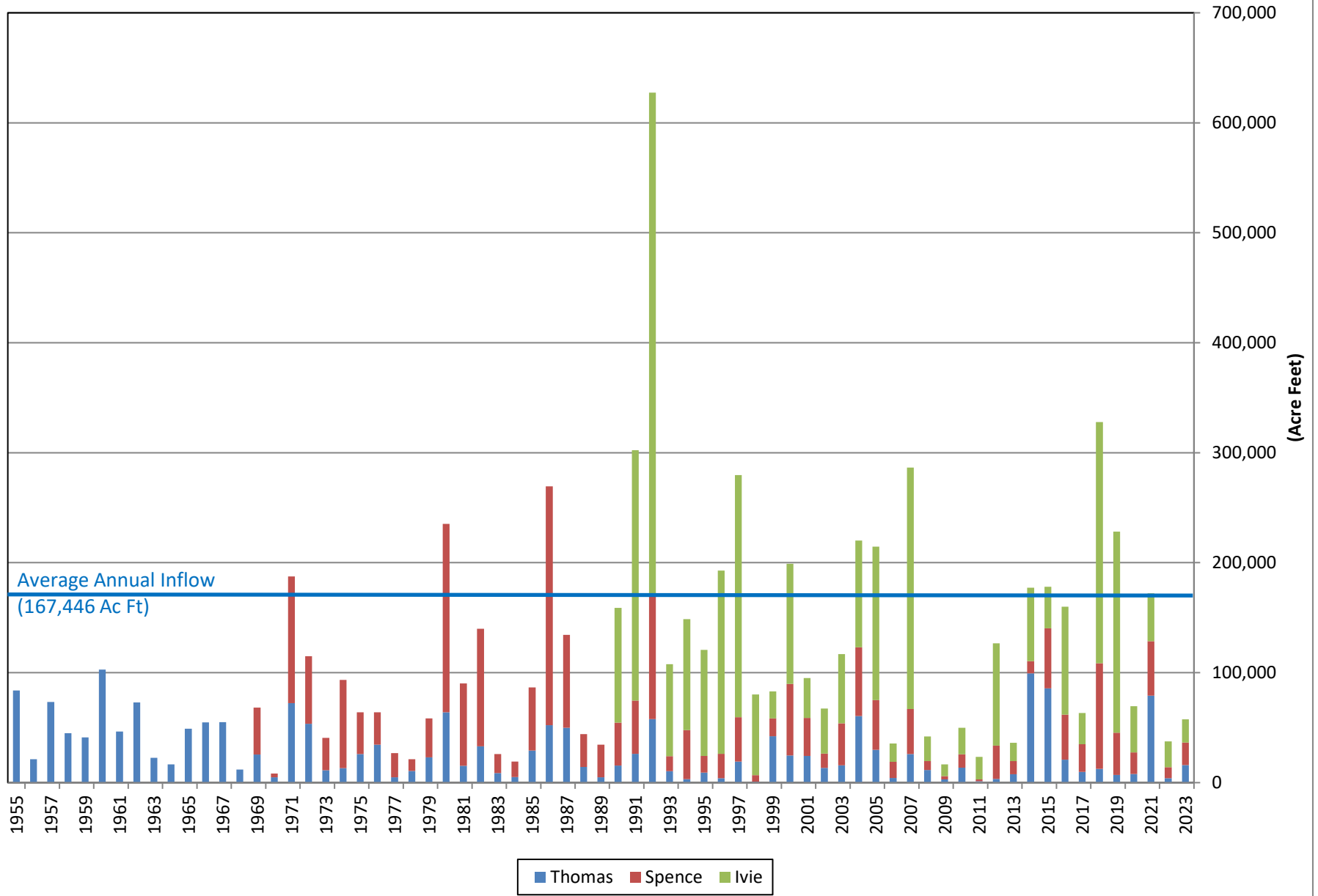
# **Annual Historical Data**

COLORADO RIVER MUNICIPAL WATER DISTRICT

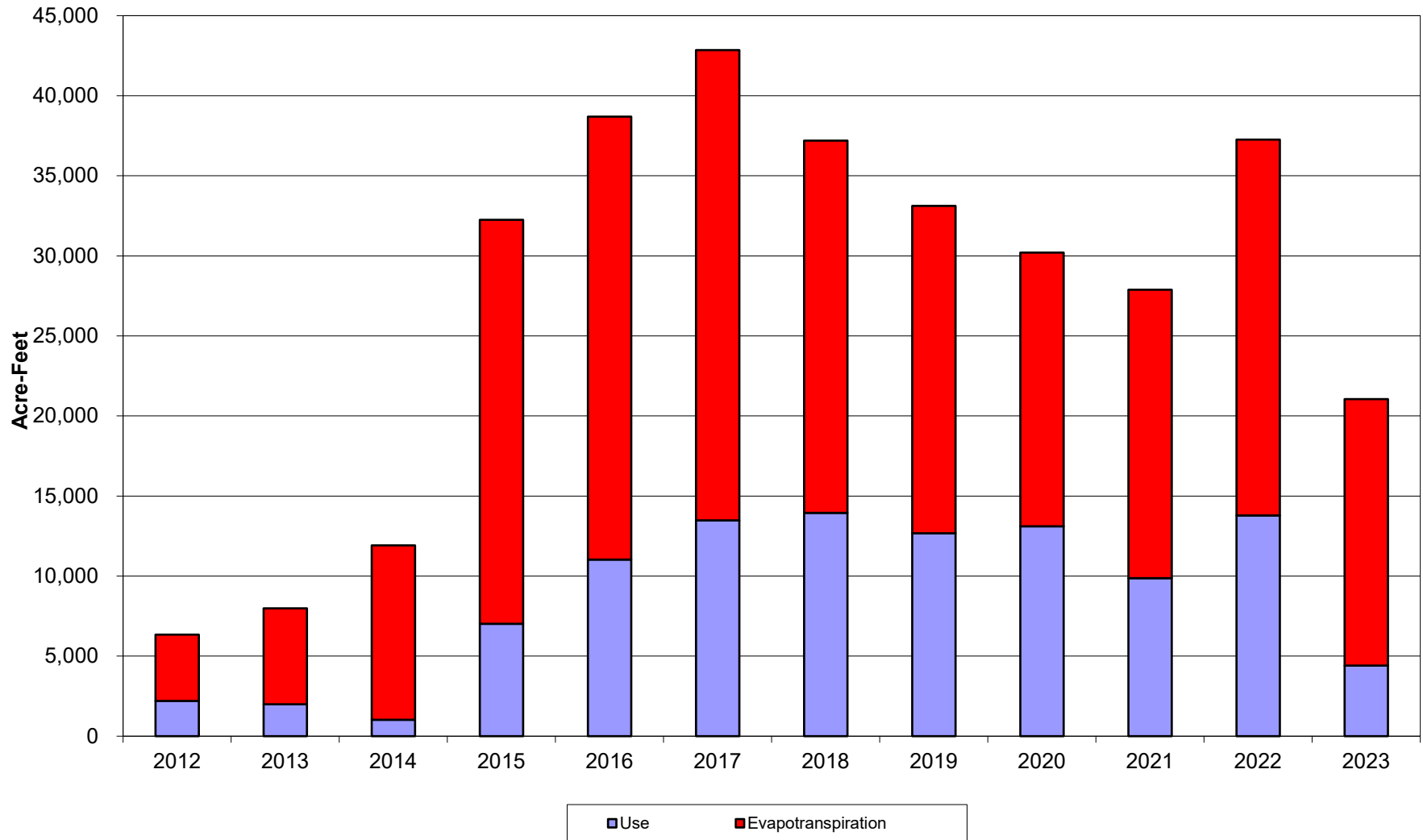
RESERVOIR INFLOW SUMMARY

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>

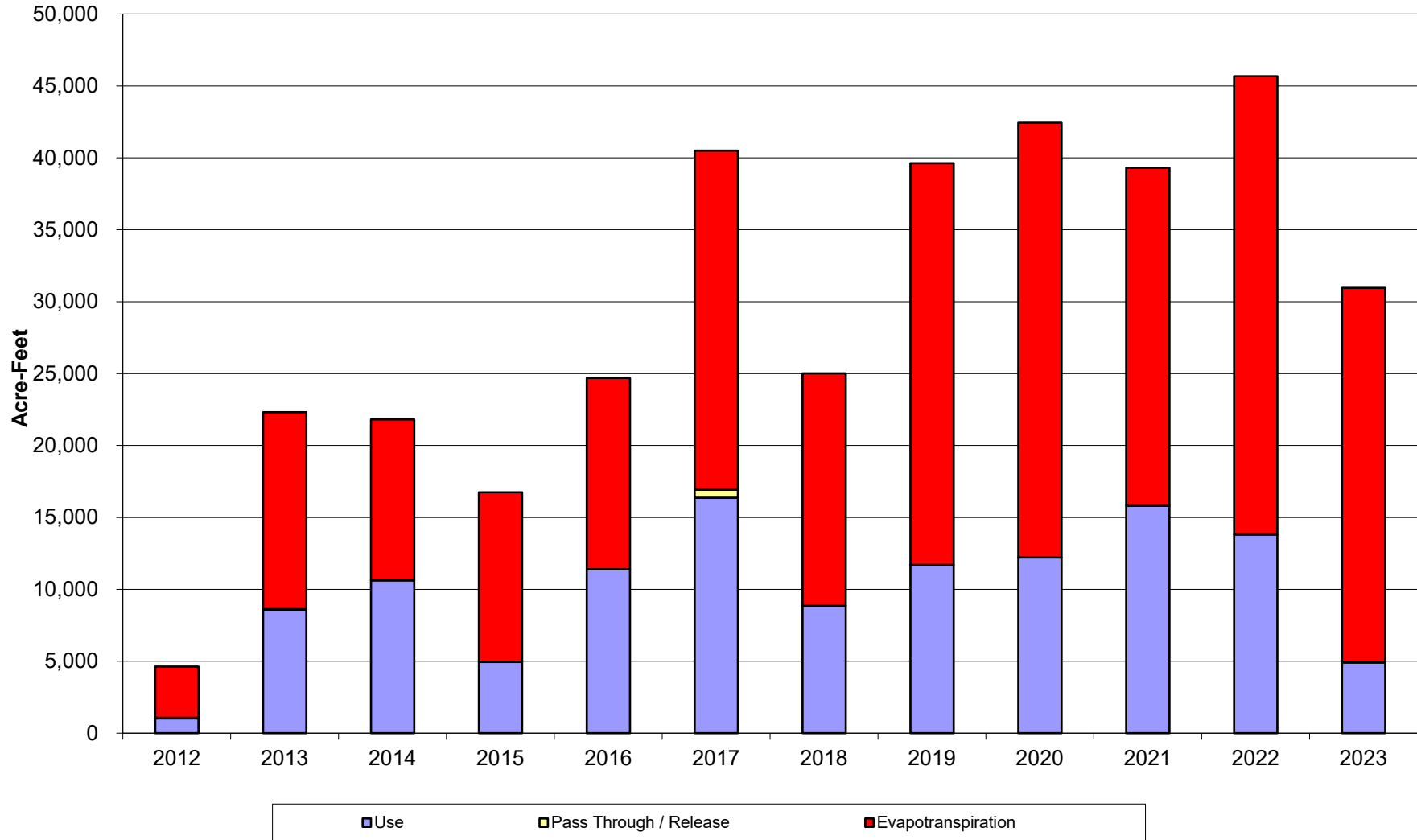
## Combined Inflow (1955 through 2023)



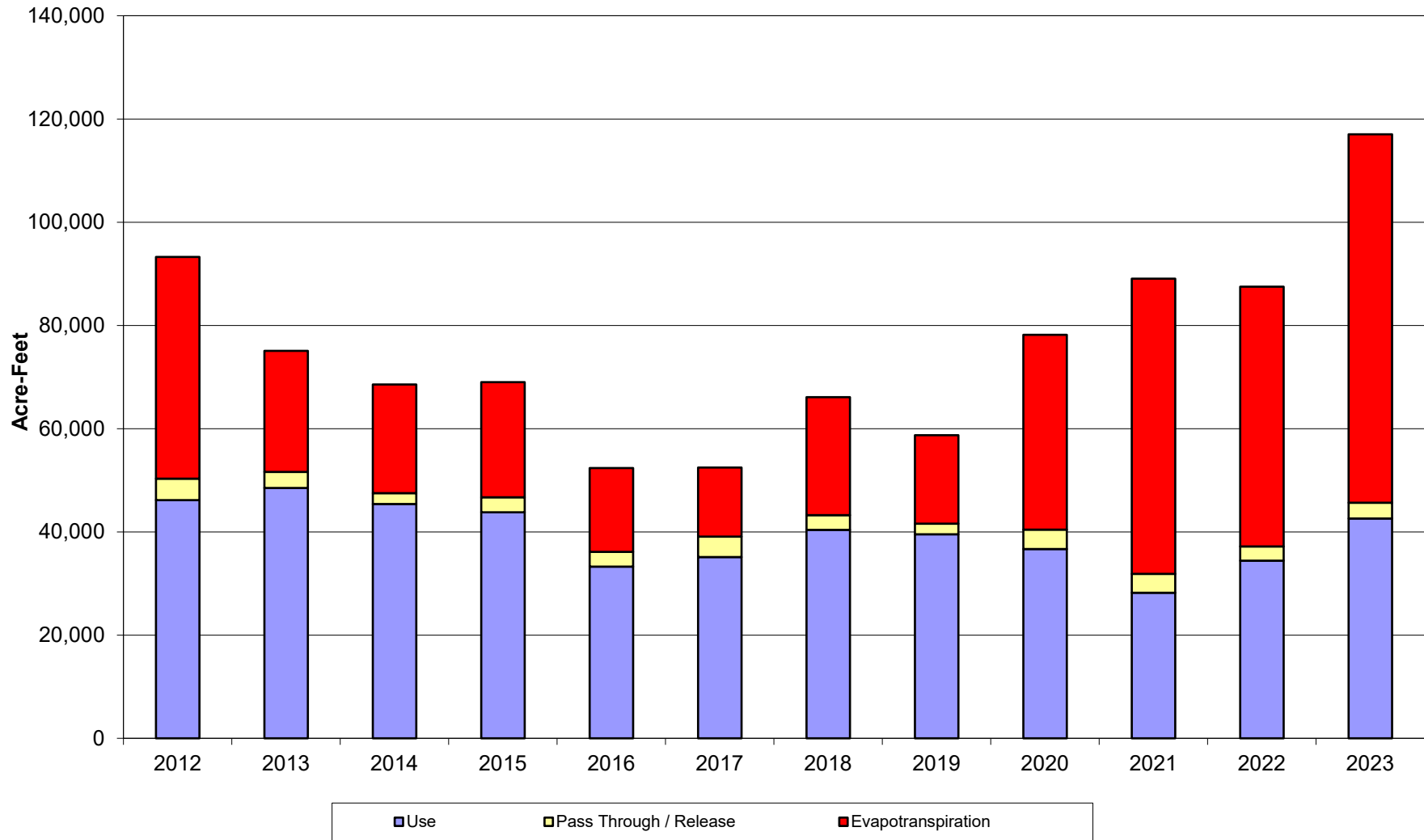
Lake J.B. Thomas  
January 2012 thru December 2023



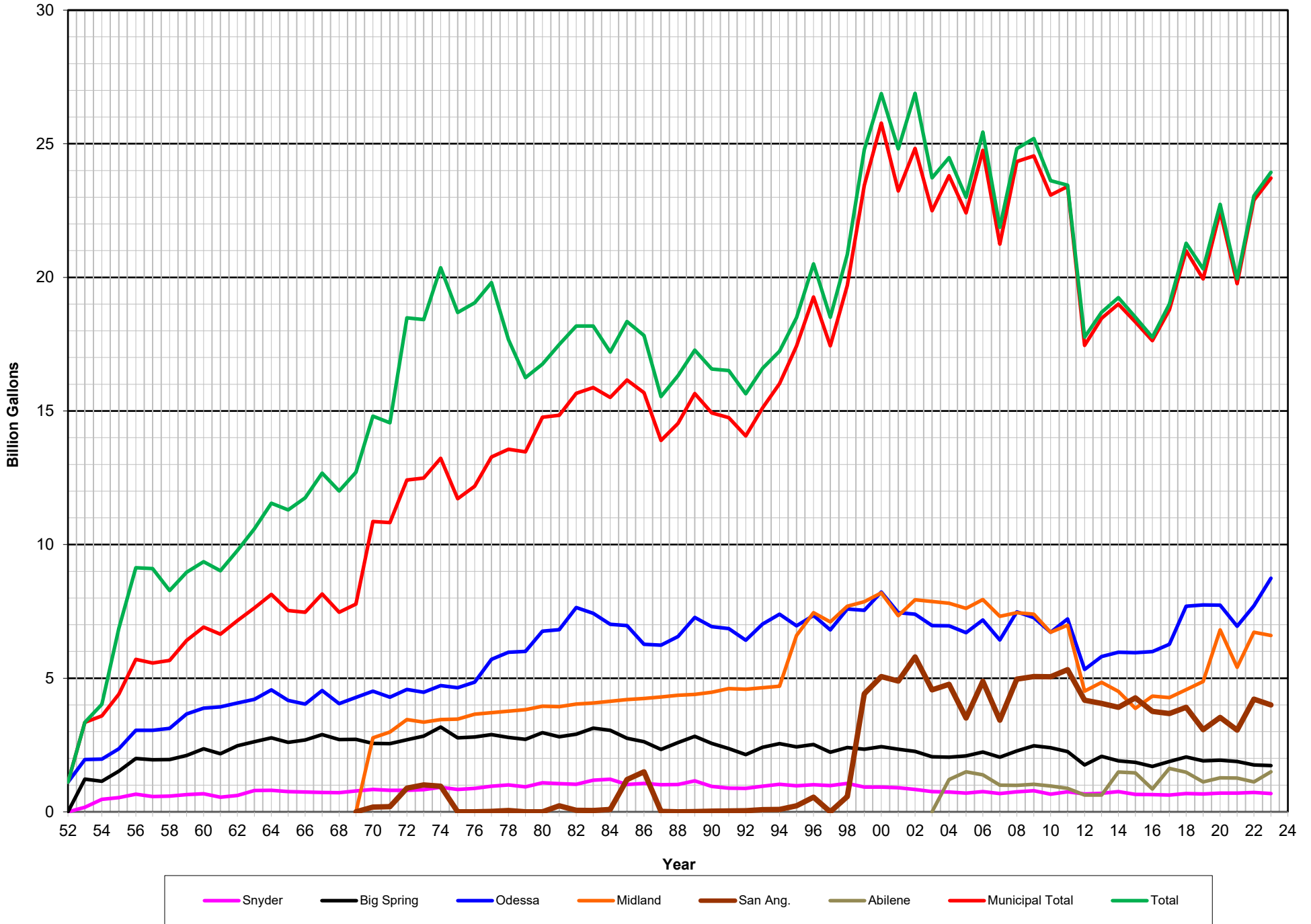
### E.V. Spence Reservoir January 2012 thru December 2023



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

