



*Colorado River Municipal Water District*

# Monthly Water Report

August 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  
August 2022**

**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	178,303,000	5,751,710	1,213,618,000
Odessa	801,500,000	25,854,839	5,266,370,600
Snyder	73,830,000	2,381,613	499,104,000
<b>Subtotal</b>	<b>1,053,633,000</b>	<b>33,988,161</b>	<b>6,979,092,600</b>

**Municipal Customers**

Grandfalls	1,706,000	55,032	6,808,000
Midland - 1966 Contract	497,489,200	16,048,039	3,346,779,800
Midland - Ivie Contract	189,592,000	6,115,871	1,465,872,000
Millersview Doole WSC	51,013,400	1,645,594	309,017,700
San Angelo - Spence	0	0	0
San Angelo - Ivie	441,600,000	14,245,161	2,965,100,000
Stanton	11,560,700	372,926	62,704,800
Abilene	87,482,000	2,822,000	725,877,000
<b>Subtotal</b>	<b>1,280,443,300</b>	<b>41,304,623</b>	<b>8,882,159,300</b>

**Industrial Customers**

Alon Rural Meters	9,122,340	294,269	56,665,740
Luminant Generation	0	0	0
Occidental	990	32	12,220
Parallel Petroleum	830	27	68,330
Power Resources	4,847,000	156,355	69,475,000
<b>Subtotal</b>	<b>13,971,160</b>	<b>450,683</b>	<b>126,221,290</b>

**Diverted Water System**

**Industrial Customers**

BASA Resources	-2,411,100	-77,777	10,364,600
Sabinal	151,000	4,871	1,123,600
Rover Operating	0	0	873,490
Fleur de Lis Energy	0	0	0
<b>Subtotal</b>	<b>-2,260,100</b>	<b>-72,906</b>	<b>12,361,690</b>

<b>Total Deliveries</b>	<b>2,345,787,360</b>	<b>75,670,560</b>	<b>15,999,834,880</b>
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**COLORADO RIVER MUNICIPAL WATER DISTRICT  
RESERVOIR REPORT  
August 2022**

<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	56,735	
PERCENT FULL	28.28%	
FREE CAPACITY THIS DATE	143,869	
INFLOWS*	1,071	2,079
PASS THROUGH / RELEASES	0	0
WITHDRAWALS	1,443	9,608
EVAPORATION*	(1,998)	(17,354)
<u>ELEVATION ABOVE MEAN SEA LEVEL</u>		
ELEVATION WHEN FULL	2,258.00	
ELEVATION THIS DATE	2,230.89	

**E. V. Spence Reservoir**

<u>CONTENTS IN ACRE FEET</u>		
CAPACITY WHEN FULL	517,272	
CAPACITY THIS DATE	102,293	
PERCENT FULL	19.78%	
FREE CAPACITY THIS DATE	414,979	
INFLOWS*	366	5,230
PASS THROUGH / RELEASES	0	0
WITHDRAWALS	1,468	8,901
EVAPORATION*	(3,307)	(24,213)
<u>ELEVATION ABOVE MEAN SEA LEVEL</u>		
ELEVATION WHEN FULL	1,898.00	
ELEVATION THIS DATE	1,854.92	

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

	<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	237,414	
PERCENT FULL	42.83%	
FREE CAPACITY THIS DATE	316,926	
INFLOWS*	2,876	11,532
PASS THROUGH / RELEASES	154	2,190
WITHDRAWALS	3,699	23,917
SPILLS	0	0
EVAPORATION*	(7,267)	(53,129)
<i><u>ELEVATION ABOVE MEAN SEA LEVEL</u></i>		
ELEVATION WHEN FULL	1,551.50	
ELEVATION THIS DATE	1,530.06	

**Moss Creek Lake**

<i><u>CONTENTS IN ACRE FEET</u></i>		
CAPACITY WHEN FULL	3,441	
CAPACITY THIS DATE	2,308	
PERCENT FULL	67.07%	
FREE CAPACITY THIS DATE	1,133	
INFLOWS*	36	260
PASS THROUGH / RELEASES	0	0
WITHDRAWALS	(226)	(285)
SPILLS	0	0
EVAPORATION*	(91)	(556)
<i><u>ELEVATION ABOVE MEAN SEA LEVEL</u></i>		
ELEVATION WHEN FULL	2,336.50	
ELEVATION THIS DATE	2,328.75	

<b>Reservoir Summary</b>						
<b>Reservoir</b>	<b>Elevation</b>	<b>Current Capacity (Acre Feet)</b>	<b>Year to Date Inflow (Acre Feet)</b>	<b>Year to Date Withdrawals (Acre Feet)</b>	<b>Year to Date Pass Through / Releases (Acre Feet)</b>	<b>Year to Date Evaporation (Acre Feet)</b>
Lake J.B. Thomas	2,230.89	56,735	2,079	9,608	0	(17,354)
E.V. Spence Reservoir	1,854.92	102,293	5,230	8,901	0	(24,213)
O.H. Ivie Reservoir	1,530.06	237,414	11,532	23,917	2,190	(53,129)
Moss Creek Lake	2,328.75	2,308	260	(285)	0	(556)
<b>Total</b>		<b>398,750</b>	<b>19,101</b>	<b>42,141</b>	<b>2,190</b>	<b>(95,252)</b>

\* Inflow and Evaporation are approximate.

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

<u>Natural Dam</u>	<u>This Month</u>	<u>Year-to-Date Total</u>
<u>CONTENTS IN ACRE FEET</u>		
CAPACITY WHEN FULL	54,560	
CAPACITY THIS DATE	5,459	
PERCENT FULL	10.01%	
FREE CAPACITY THIS DATE	49,101	
INFLOWS*	0	1,665
SPILLS	0	0
EVAPORATION*	(856)	(5,017)
 <u>ELEVATION ABOVE MEAN SEA LEVEL</u>		
ELEVATION WHEN FULL	2,457.00	
ELEVATION THIS DATE	2,435.25	
 <u>Sulphur Draw Reservoir</u>		
<u>CONTENTS IN ACRE FEET</u>		
CAPACITY WHEN FULL	7,997	
CAPACITY THIS DATE	218	
PERCENT FULL	2.73%	
FREE CAPACITY THIS DATE	7,779	
INFLOWS*	0	0
PASS THROUGH / RELEASES	0	0
EVAPORATION*	(77)	(611)
 <u>ELEVATION ABOVE MEAN SEA LEVEL</u>		
ELEVATION WHEN FULL	2,541.00	
ELEVATION THIS DATE	2,522.80	

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

	<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	820	
PERCENT FULL	32.76%	
FREE CAPACITY THIS DATE	1,683	
INFLOWS*	76	238
WIER FLOW	0	26
PUMPED IN	260	1,038
WITHDRAWALS	(359,994)	(359,994)
SPILLS	0	0
EVAPORATION*	(35)	(204)
<i><u>ELEVATION ABOVE MEAN SEA LEVEL</u></i>		
ELEVATION WHEN FULL	2,097.00	
ELEVATION THIS DATE	2,085.46	
 <b><u>Red Draw</u></b>		
<i><u>CONTENTS IN ACRE FEET</u></i>		
CAPACITY WHEN FULL	8,538	
CAPACITY THIS DATE	2,994	
PERCENT FULL	35.07%	
FREE CAPACITY THIS DATE	5,544	
INFLOWS*	165	1032
PUMPED IN	37	266
WITHDRAWALS	0	0
SPILLS	0	0
EVAPORATION*	(125)	(823)
<i><u>ELEVATION ABOVE MEAN SEA LEVEL</u></i>		
ELEVATION WHEN FULL	2,445.00	
ELEVATION THIS DATE	2,424.67	

**COLORADO RIVER MUNICIPAL WATER DISTRICT  
 DIVERTED / WATER QUALITY ENHANCEMENT SYSTEM  
 RESERVOIRS REPORT  
 August 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	5,815	
PERCENT FULL	21.33%	
FREE CAPACITY THIS DATE	21,451	
INFLOWS*	0	115
SPILLS	0	0
TRANSFERS IN	0	(1)
EVAPORATION*	(379)	(2,476)
<u>ELEVATION ABOVE MEAN SEA LEVEL</u>		
ELEVATION WHEN FULL	2,200.00	
ELEVATION THIS DATE	2,177.69	

<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	2,435.25	5,459	1,665	(5,017)
Sulphur Draw	2,522.80	218	0	(611)
Barber Lake	2,085.46	820	238	(204)
Red Draw	2,424.67	2,994	1,032	(823)
Mitchell County Reservoir	2,177.69	5,815	115	(2,476)
	Total	15,306	3,050	(9,131)

\* 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	260	1,038
Beals Creek	111	770
	Total	1,809

**COLORADO RIVER MUNICIPAL WATER DISTRICT  
GROUNDWATER REPORT  
August 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	134,469,100	4,337,713	1,277,343,020
Ward County South Well Field	1,977,000	63,774	92,182,000
Odessa Well Field (Out of Service)	0	0	0
Martin County Well Field	0	0	16,523,200
Snyder Well Field	0	0	0
<b>Total</b>	<b>136,446,100</b>	<b>4,401,487</b>	<b>1,386,048,220</b>

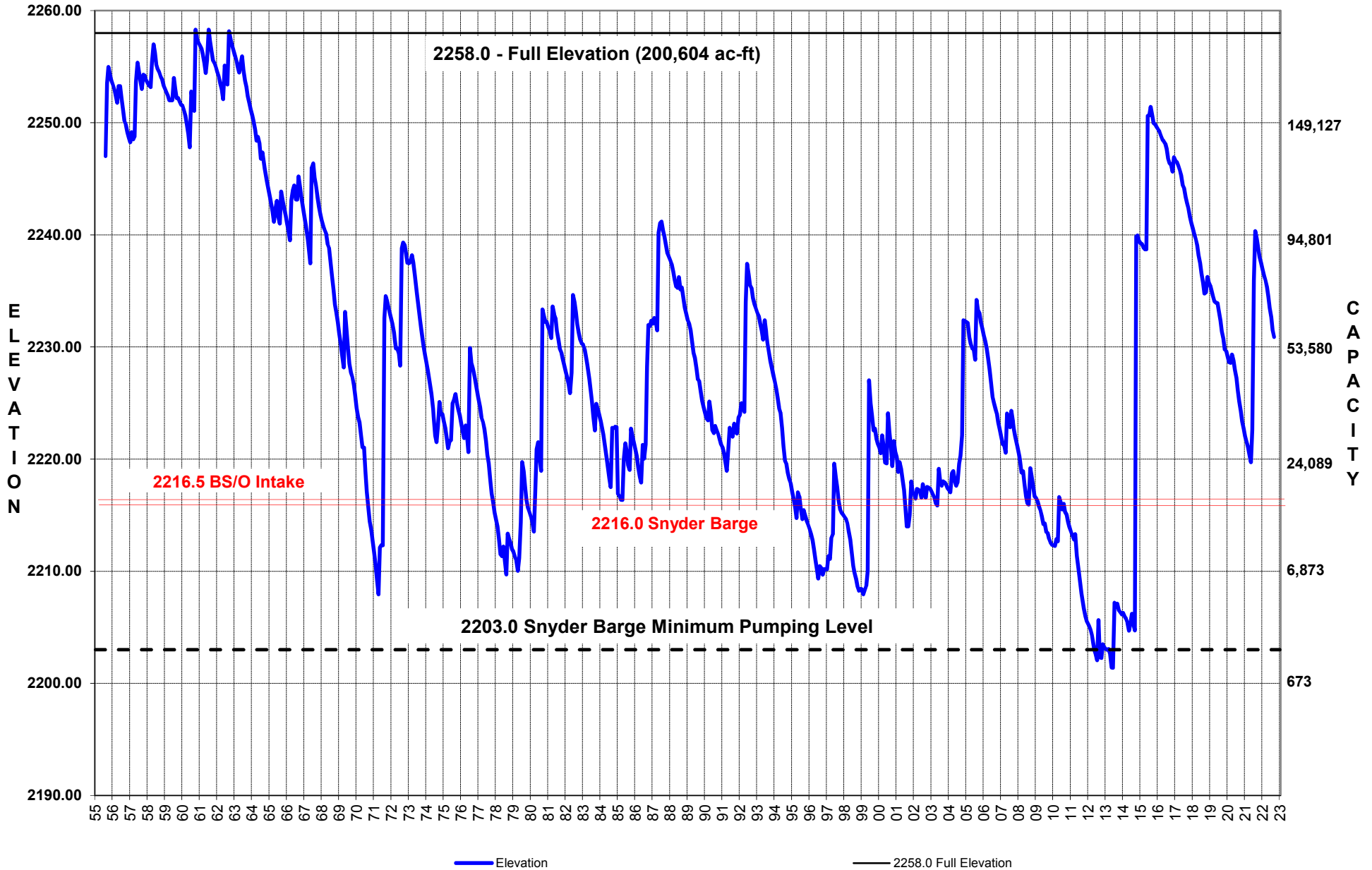
**BIG SPRING RAW WATER PRODUCTION FACILITY  
PRODUCTION REPORT  
August 2022**

	<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	0	0	19,410,000



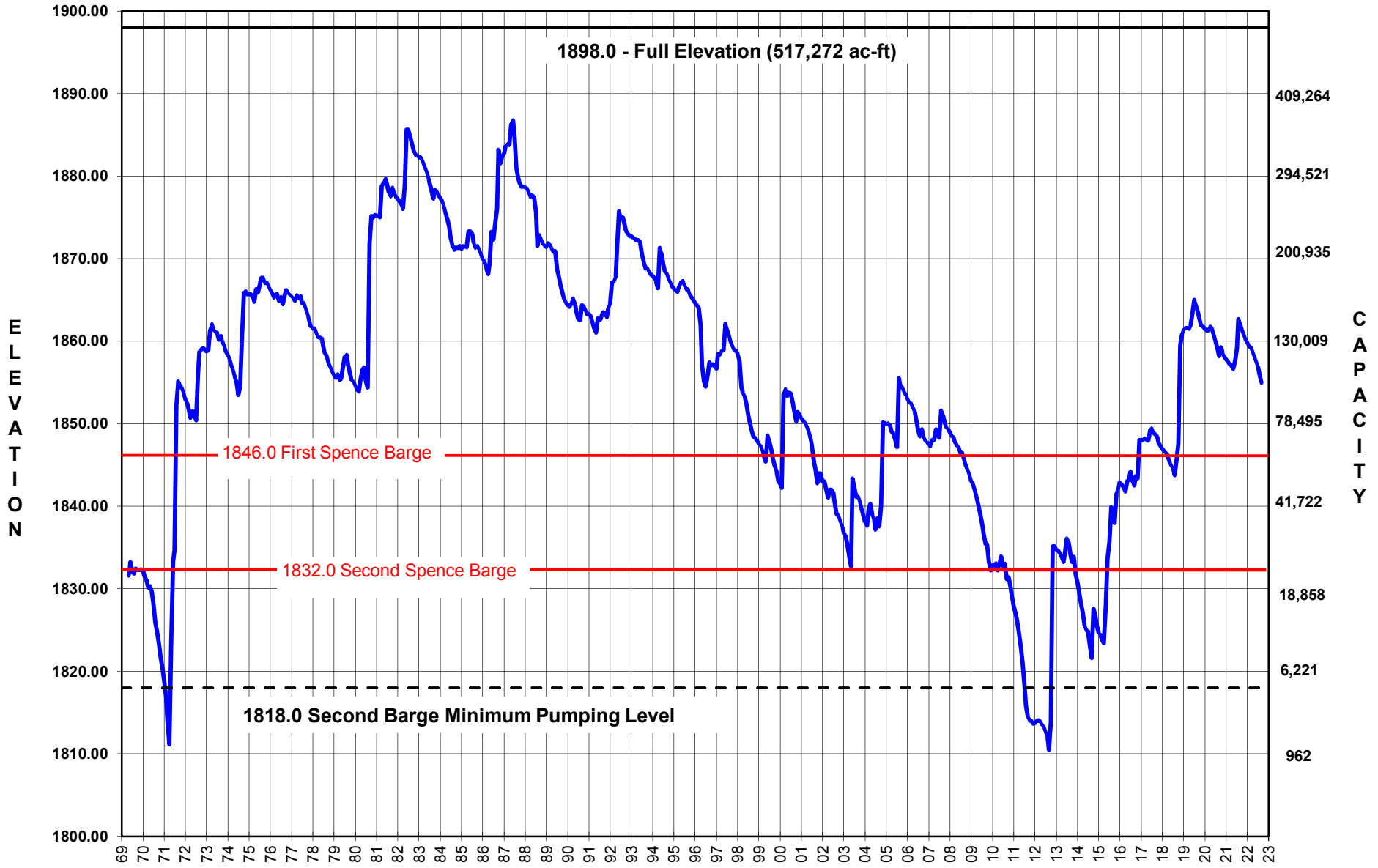
# LAKE J.B. THOMAS

## Elevation August 1955 - August 2022



# E.V. SPENCE RESERVOIR

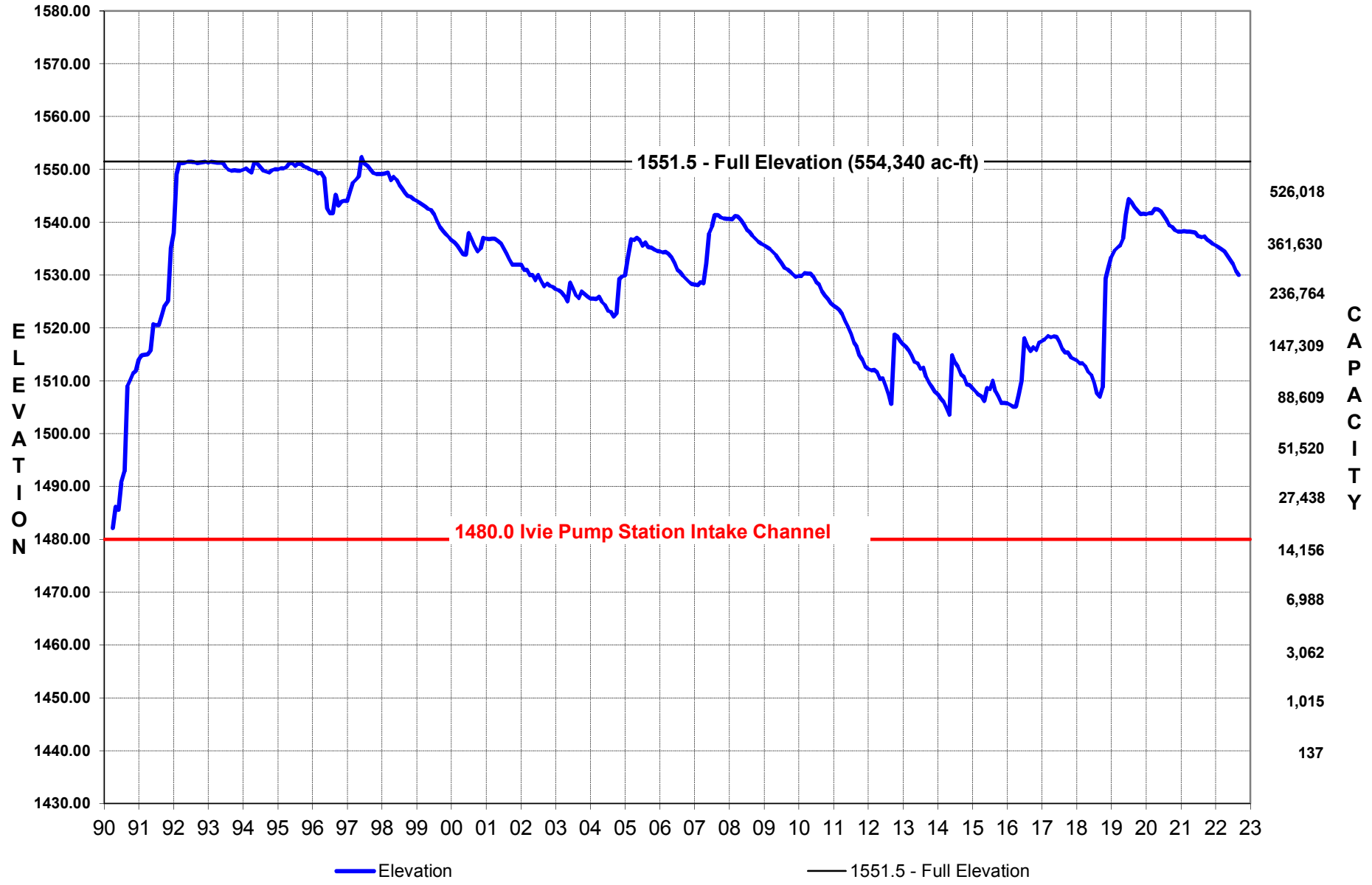
## Elevation May 1969 - August 2022



— Elevation   
 — 1898.0-Full Elevation

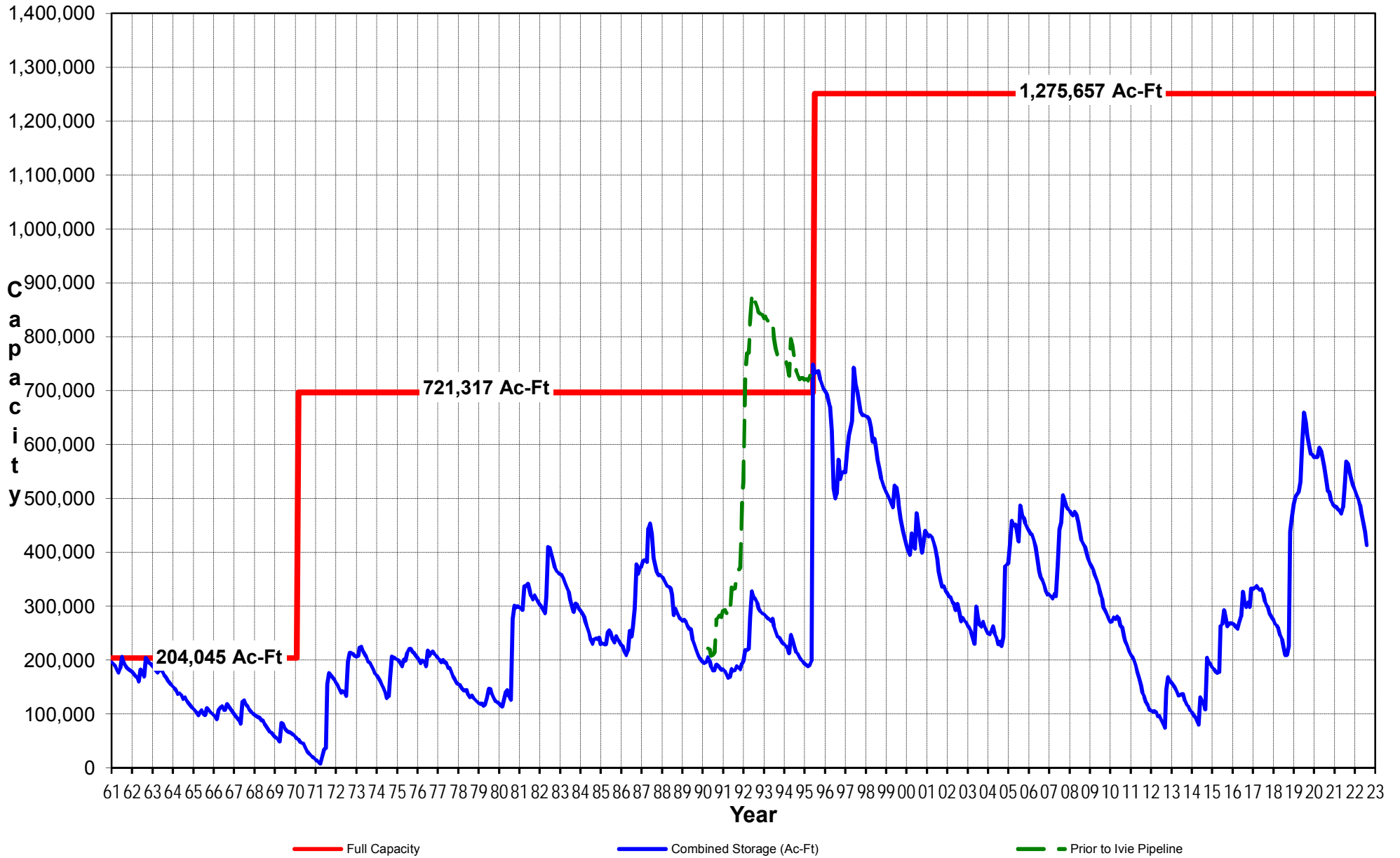
# O.H. IVIE RESERVOIR

Elevation April 1990 - August 2022



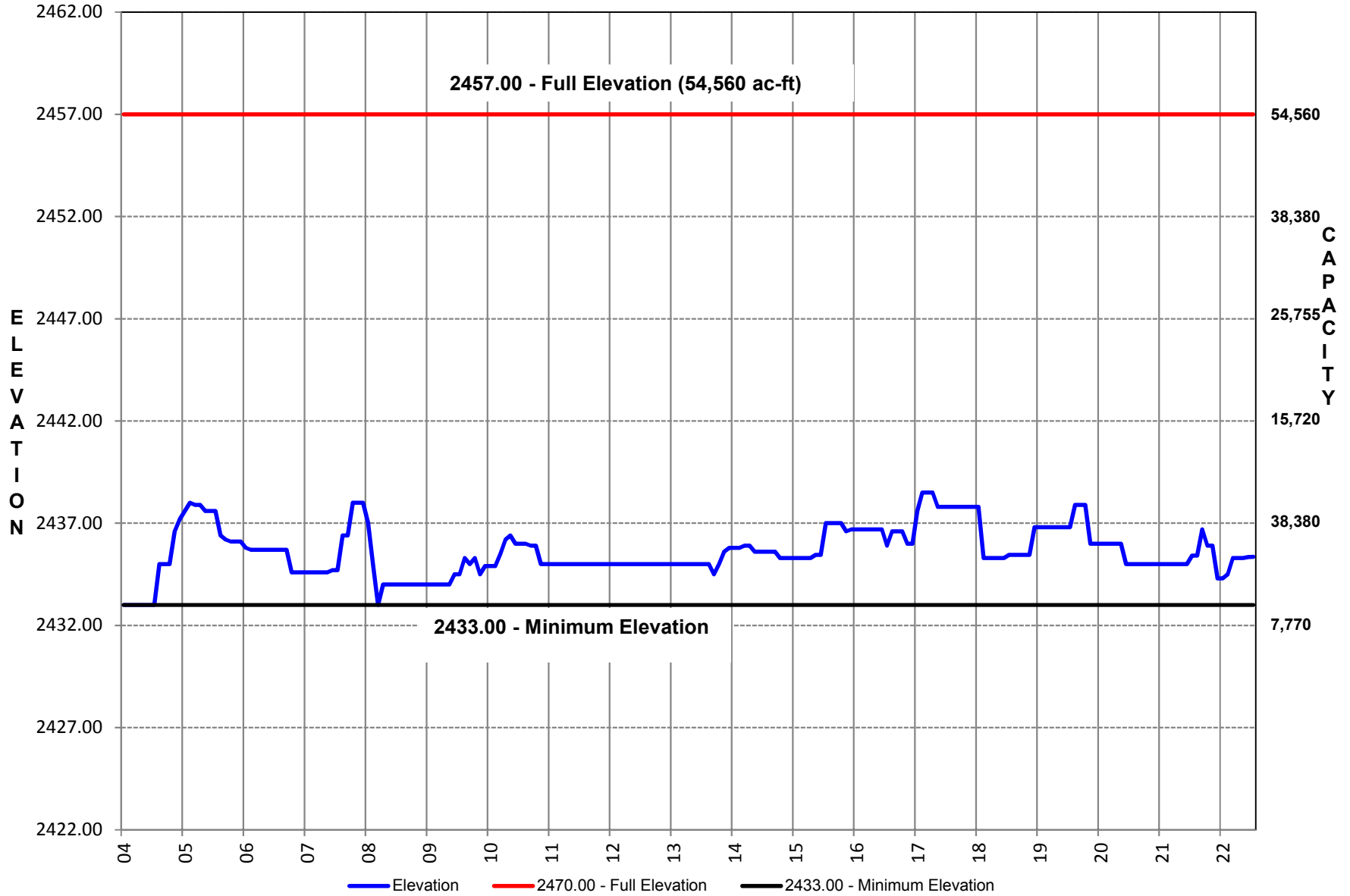
# COLORADO RIVER MUNICIPAL WATER DISTRICT

## COMBINED STORAGE Thomas, Spence, Moss, Ivie



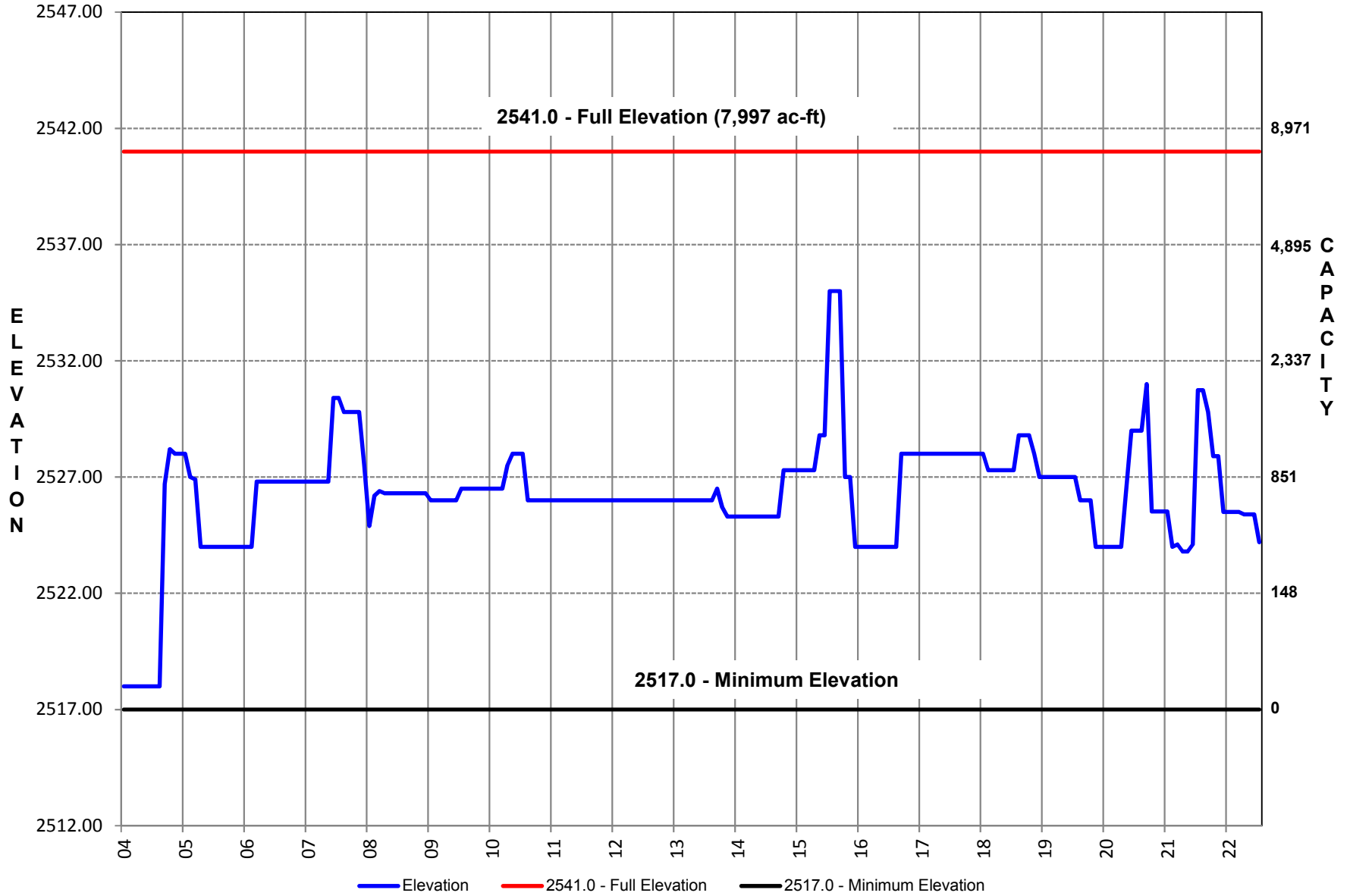
# Natural Dam Reservoir

## Elevation January 2004 - August 2022



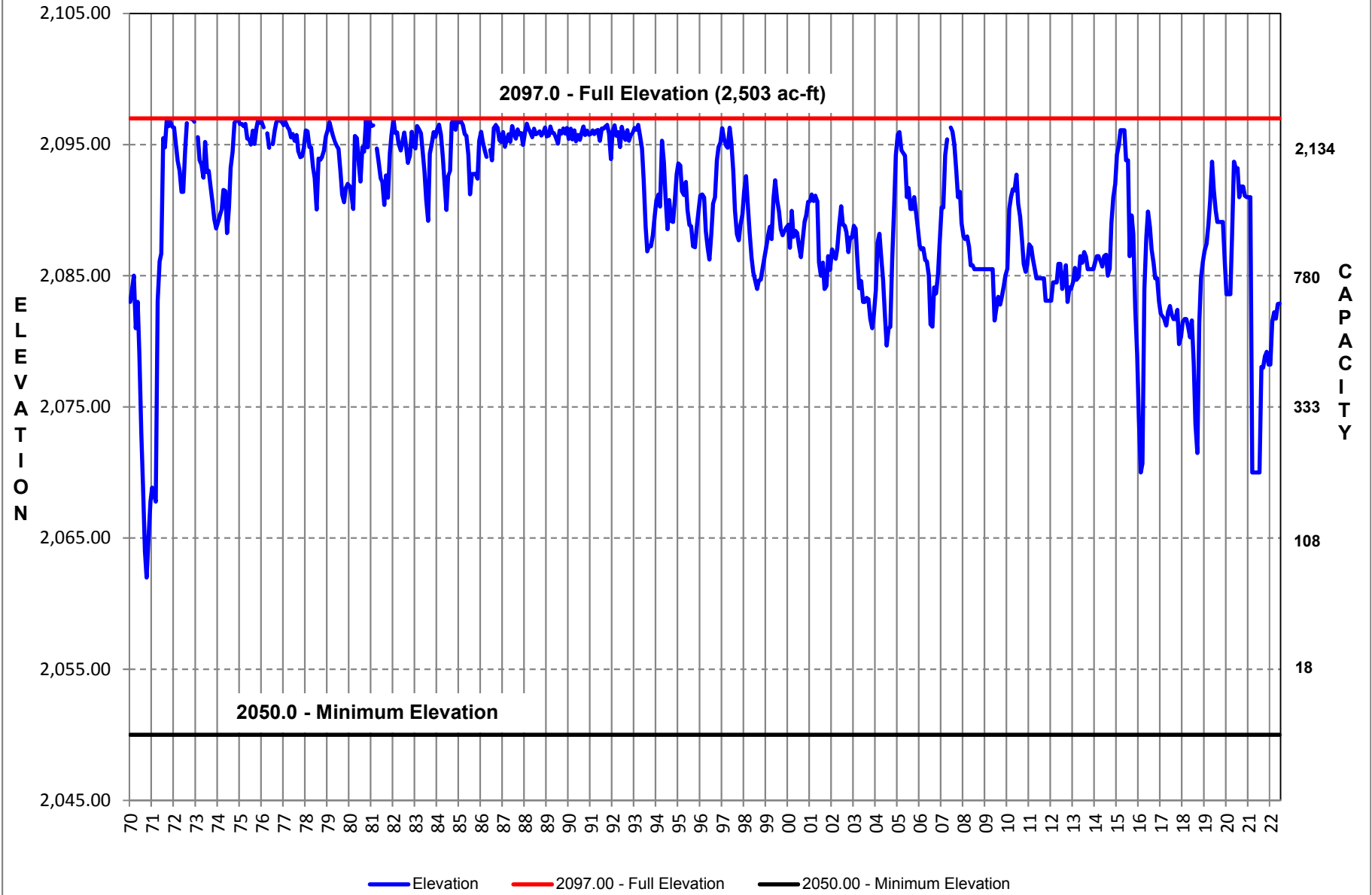
# Sulphur Draw Reservoir

Elevation January 2004 - August 2022



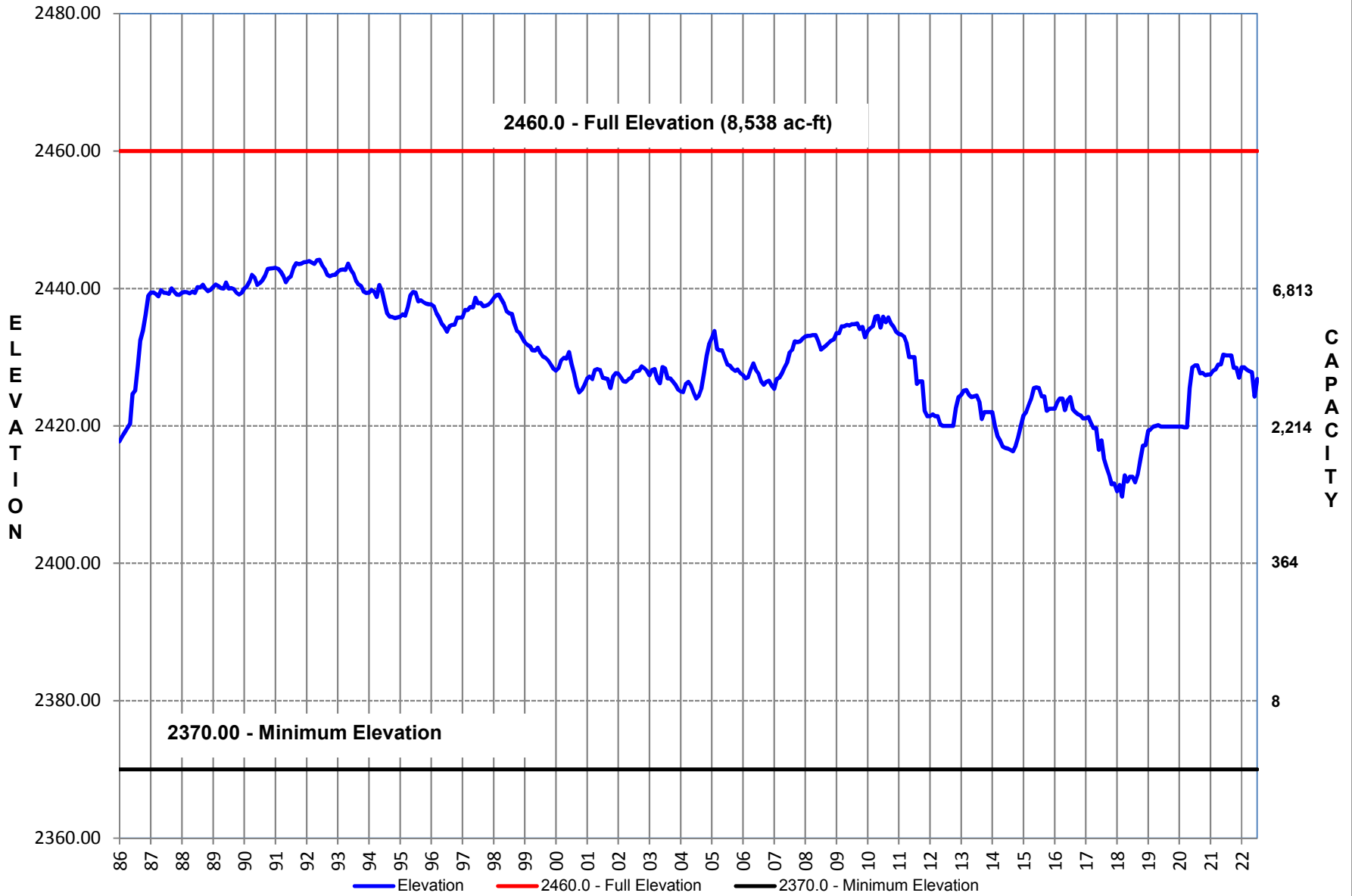
# Barber Lake

Elevation February 1970 - August 2022



# Red Draw

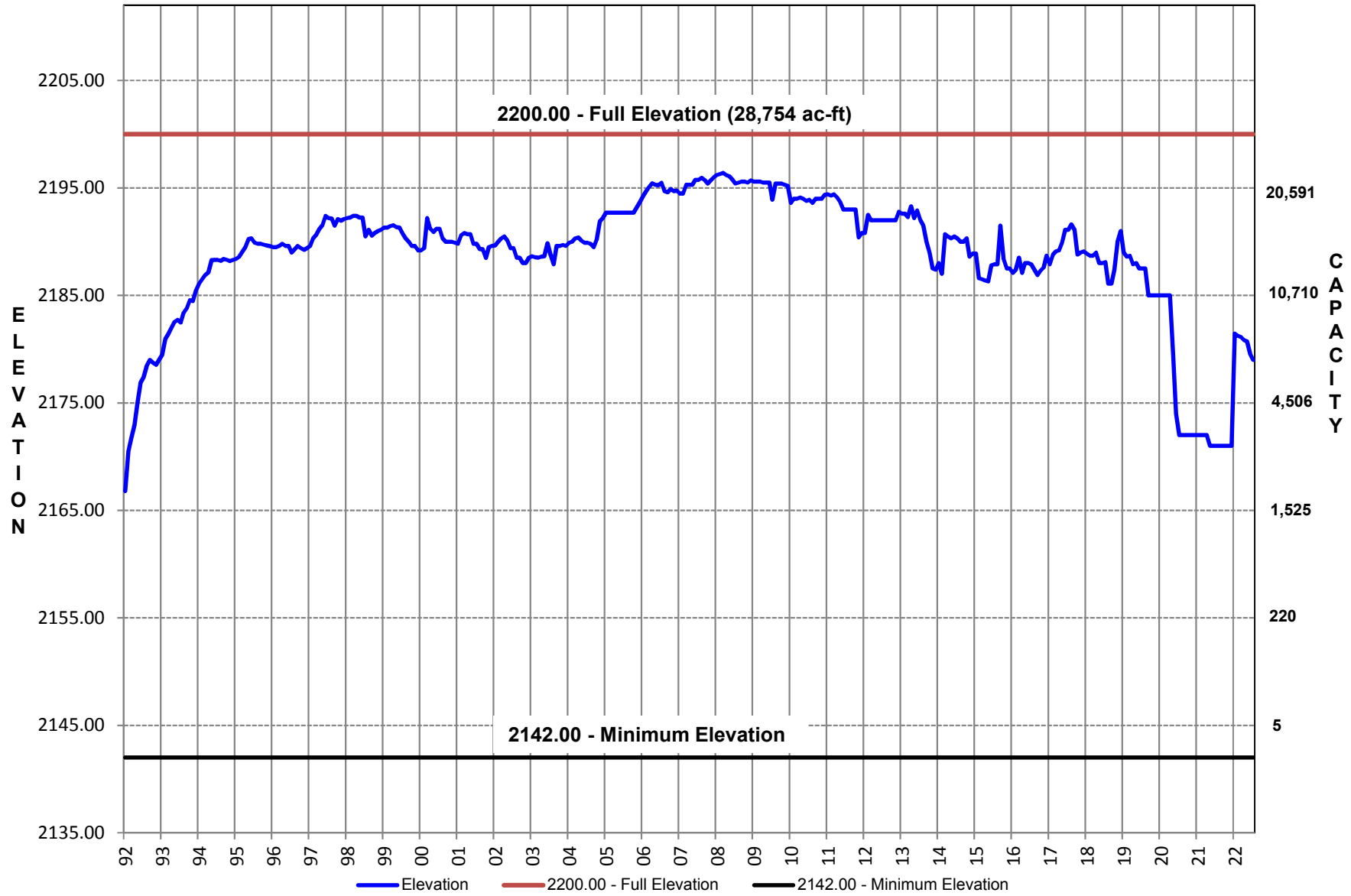
## Elevation January 1986 - August 2022





# Mitchell County Reservoir

## Elevation January 1992 - August 2022



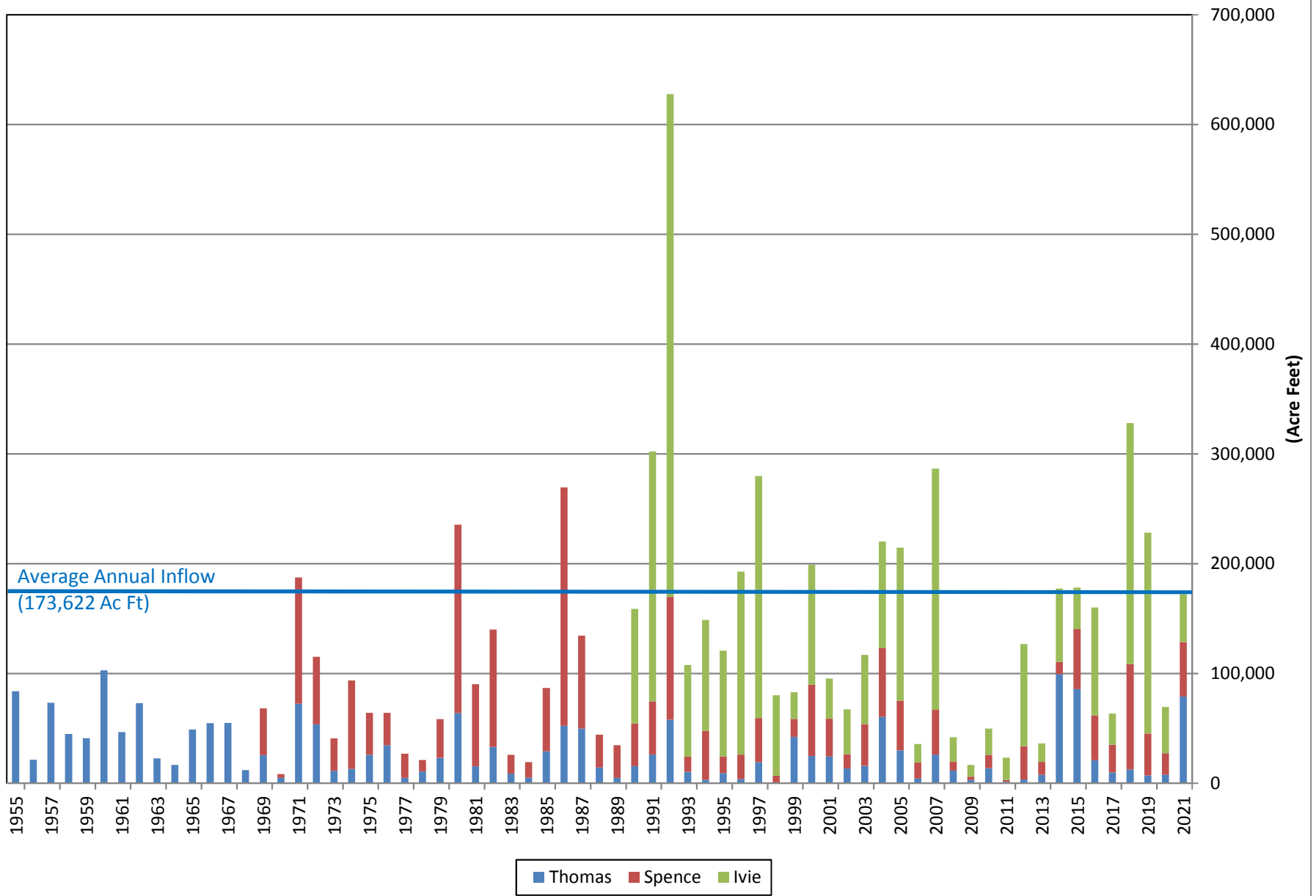
# **Annual Historical Data**

COLORADO RIVER MUNICIPAL WATER DISTRICT

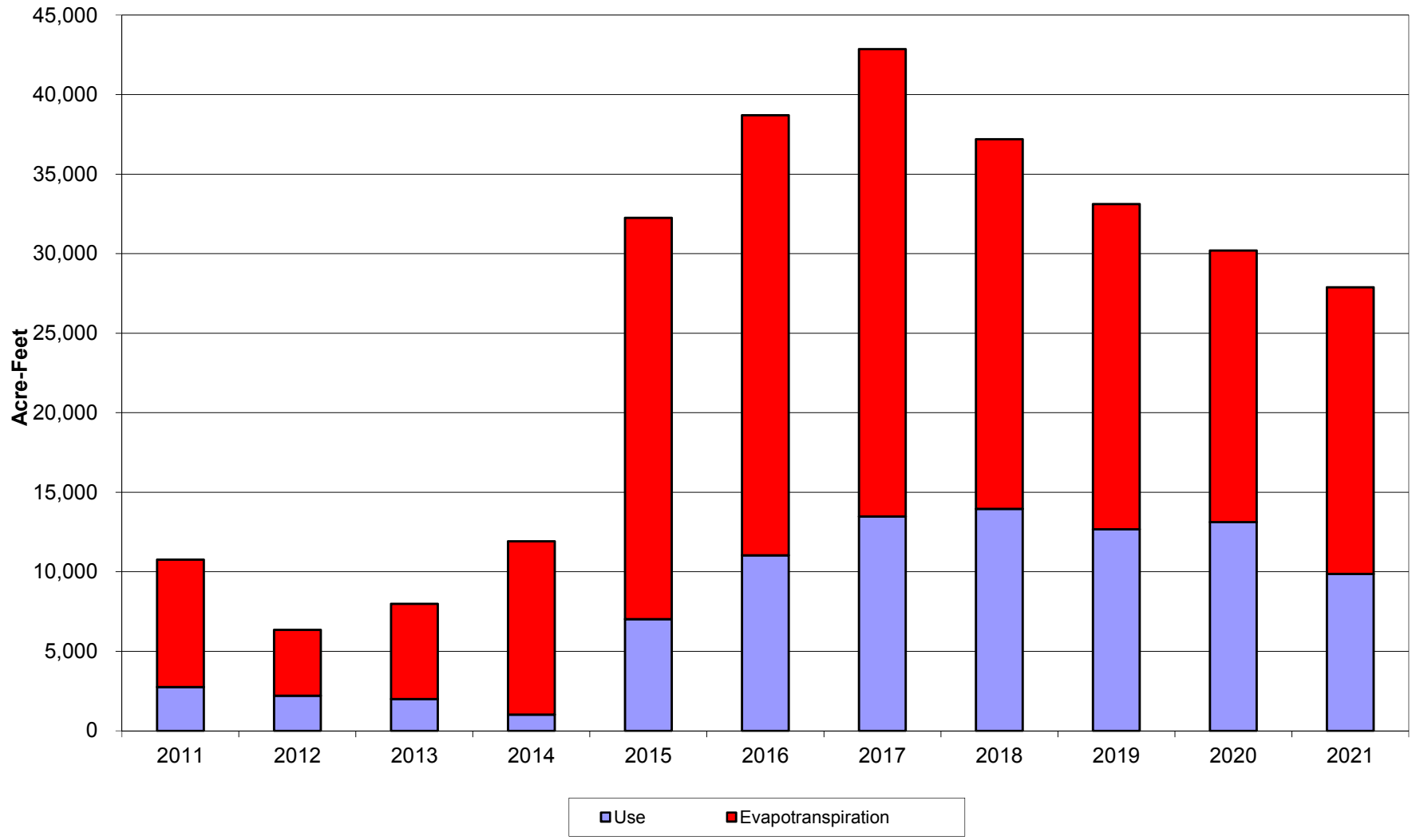
RESERVOIR INFLOW SUMMARY

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
<b>Annual Average</b>	<b>29,884</b>	<b>44,259</b>	<b>99,479</b>	<b>173,622</b>

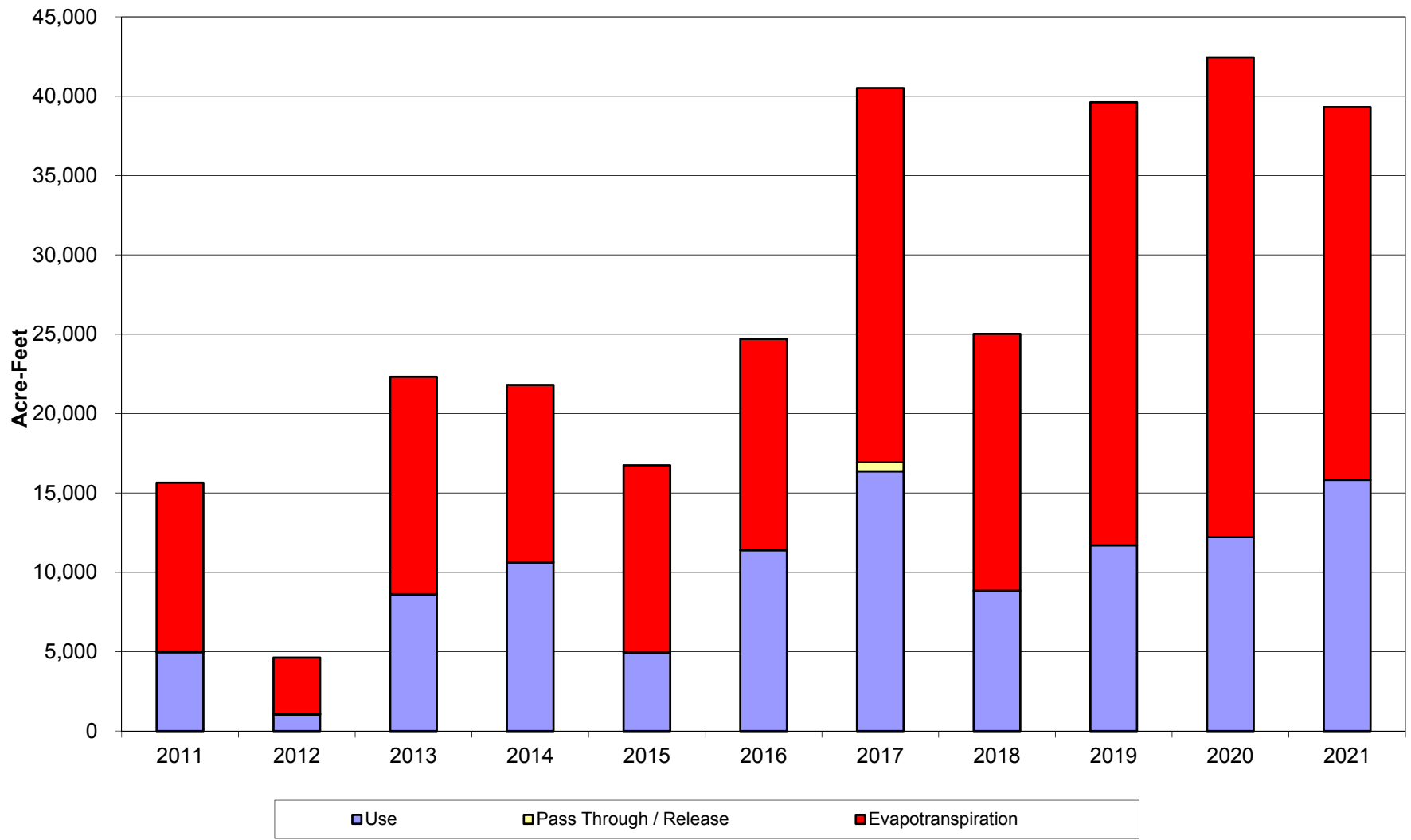
## Combined Inflow (1955 through 2021)



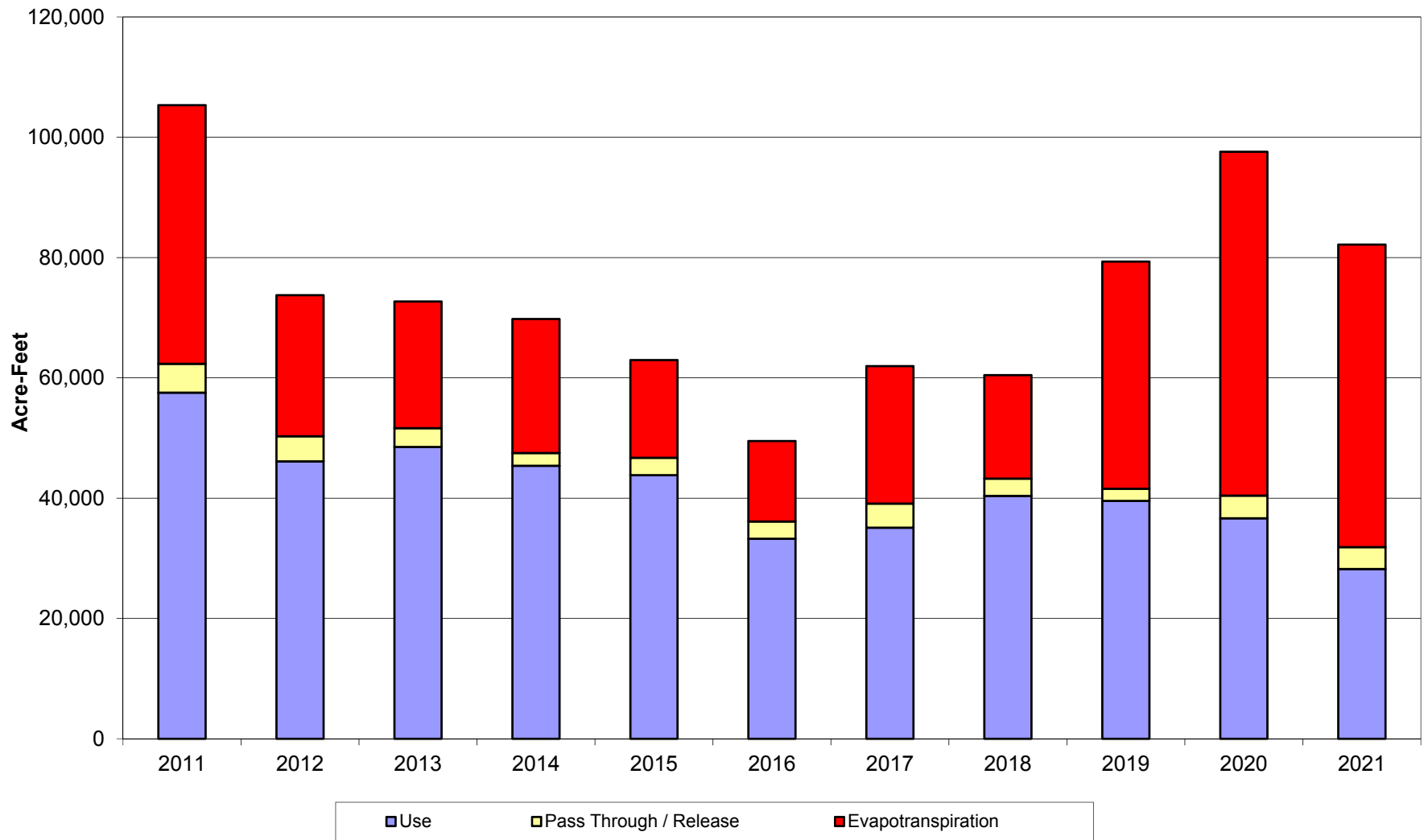
Lake J.B. Thomas  
January 2011 thru December 2021



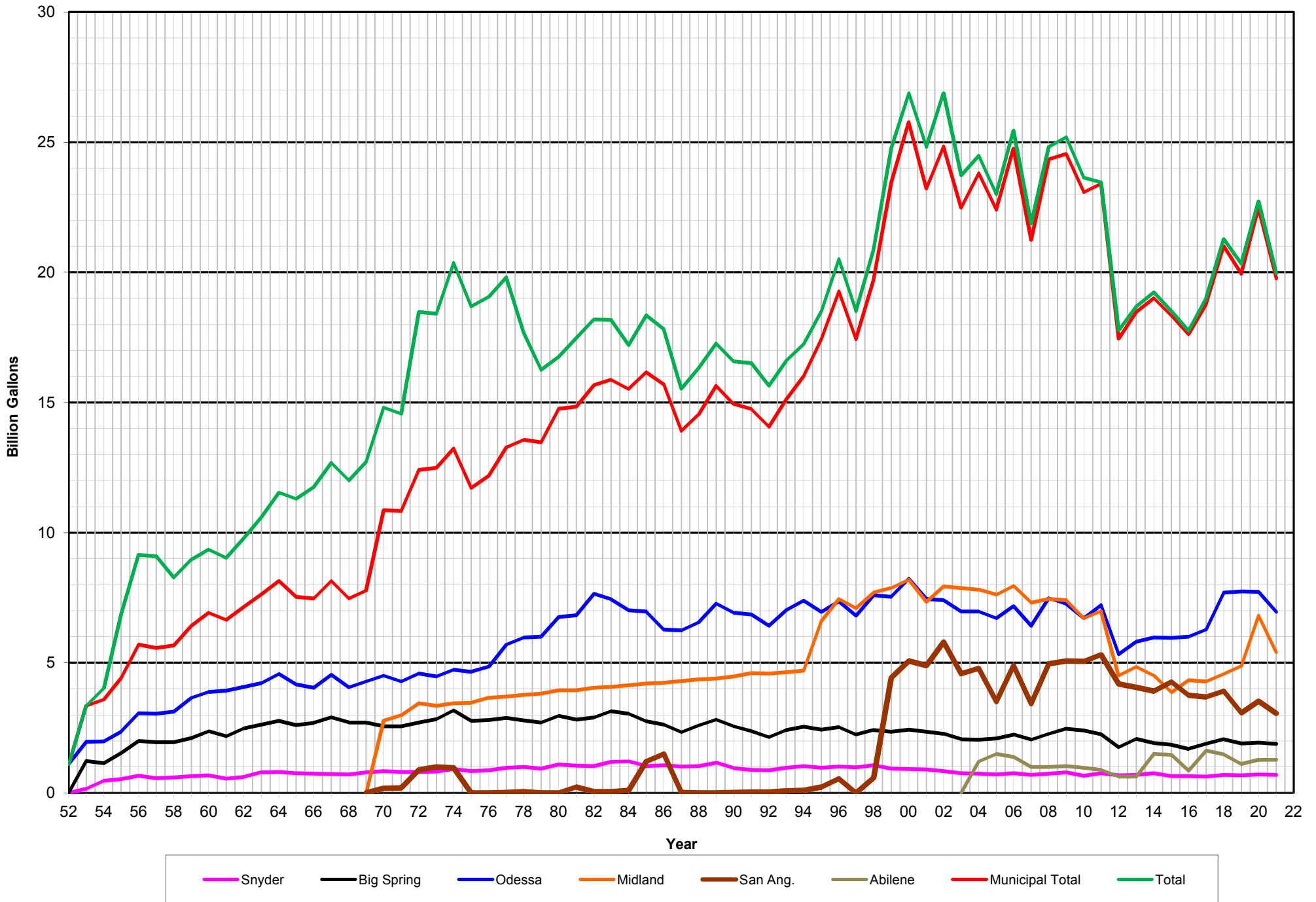
**E.V. Spence Reservoir  
January 2011 thru December 2021**



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

