



Colorado River Municipal Water District

Monthly Water Report

May 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
May 2022**

Raw Water System

Member Cities	Total Deliveries This Month (Gal)	Daily Average For Month (Gal)	Year-to-Date (Gal)
Big Spring	161,116,000	5,197,290	684,287,000
Odessa	787,449,600	25,401,600	2,816,670,300
Snyder	66,503,000	2,145,258	277,908,000
Subtotal	1,015,068,600	32,744,148	3,778,865,300

Municipal Customers

Grandfalls	1,020,000	32,903	1,125,000
Midland - 1966 Contract	524,831,400	16,930,045	1,828,700,400
Midland - Ivie Contract	176,792,000	5,702,968	755,416,000
Millersview Doole WSC	34,944,900	1,127,255	169,497,200
San Angelo - Spence	0	0	0
San Angelo - Ivie	364,000,000	11,741,935	1,657,600,000
Stanton	9,603,200	309,781	27,993,300
Abilene	108,614,000	3,503,677	360,599,000
Subtotal	1,219,805,500	39,348,565	4,800,930,900

Industrial Customers

Alon Rural Meters	7,710,250	248,718	26,353,660
Luminant Generation	0	0	0
Occidental	1,430	46	7,960
Parallel Petroleum	20,110	649	51,010
Power Resources	11,126,000	358,903	39,866,000
Subtotal	18,857,790	608,316	66,278,630

Diverted Water System

Industrial Customers

BASA Resources	300,100	9,681	5,913,800
Sabinal	438,000	14,129	603,000
Rover Operating	104,420	3,368	806,220
Fleur de Lis Energy	0	0	0
Subtotal	842,520	27,178	7,323,020

Total Deliveries	2,254,574,410	72,728,207	8,653,397,850
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**COLORADO RIVER MUNICIPAL WATER DISTRICT
RESERVOIR REPORT
May 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	66,466	
PERCENT FULL	33.13%	
FREE CAPACITY THIS DATE	134,138	
INFLOWS*	73	475
PASS THROUGH / RELEASES	0	0
WITHDRAWALS	1,261	5,737
EVAPORATION*	(2,969)	(9,666)

<i><u>ELEVATION ABOVE MEAN SEA LEVEL</u></i>		
ELEVATION WHEN FULL	2,258.00	
ELEVATION THIS DATE	2,233.47	

E. V. Spence Reservoir

<i><u>CONTENTS IN ACRE FEET</u></i>		
CAPACITY WHEN FULL	517,272	
CAPACITY THIS DATE	116,208	
PERCENT FULL	22.47%	
FREE CAPACITY THIS DATE	401,064	
INFLOWS*	1,229	3,502
PASS THROUGH / RELEASES	0	0
WITHDRAWALS	1,146	4,753
EVAPORATION*	(3,589)	(12,682)

<i><u>ELEVATION ABOVE MEAN SEA LEVEL</u></i>		
ELEVATION WHEN FULL	1,898.00	
ELEVATION THIS DATE	1,857.53	

**COLORADO RIVER MUNICIPAL WATER DISTRICT
RESERVOIR REPORT
May 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	269,403	
PERCENT FULL	48.60%	
FREE CAPACITY THIS DATE	284,937	
INFLOWS*	1,823	6,336
PASS THROUGH / RELEASES	492	1,450
WITHDRAWALS	3,395	12,703
SPILLS	0	0
EVAPORATION*	(7,452)	(27,676)
<i><u>ELEVATION ABOVE MEAN SEA LEVEL</u></i>		
ELEVATION WHEN FULL	1,551.50	
ELEVATION THIS DATE	1,532.92	

Moss Creek Lake

<i><u>CONTENTS IN ACRE FEET</u></i>		
CAPACITY WHEN FULL	3,441	
CAPACITY THIS DATE	2,780	
PERCENT FULL	80.79%	
FREE CAPACITY THIS DATE	661	
INFLOWS*	38	209
PASS THROUGH / RELEASES	0	0
WITHDRAWALS	(299)	(462)
SPILLS	0	0
EVAPORATION*	(75)	(269)
<i><u>ELEVATION ABOVE MEAN SEA LEVEL</u></i>		
ELEVATION WHEN FULL	2,336.50	
ELEVATION THIS DATE	2,332.16	

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	2,233.47	66,466	475	5,737	0	(9,666)
E.V. Spence Reservoir	1,857.53	116,208	3,502	4,753	0	(12,682)
O.H. Ivie Reservoir	1,532.92	269,403	6,336	12,703	1,450	(27,676)
Moss Creek Lake	2,332.16	2,780	209	(462)	0	(269)
	Total	454,857	10,522	22,731	1,450	(50,293)

* Inflow and Evaporation are approximate.

**COLORADO RIVER MUNICIPAL WATER DISTRICT
 DIVERTED / WATER QUALITY ENHANCEMENT SYSTEM
 RESERVOIRS REPORT
 May 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	5,575	
PERCENT FULL	10.22%	
FREE CAPACITY THIS DATE	48,985	
INFLOWS*	52	1,640
SPILLS	0	0
EVAPORATION*	(657)	(2,351)
<u>ELEVATION ABOVE MEAN SEA LEVEL</u>		
ELEVATION WHEN FULL	2,457.00	
ELEVATION THIS DATE	2,435.34	
<u>Sulphur Draw Reservoir</u>		
<u>CONTENTS IN ACRE FEET</u>		
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*	(89)	(331)
<u>ELEVATION ABOVE MEAN SEA LEVEL</u>		
ELEVATION WHEN FULL	2,541.00	
ELEVATION THIS DATE	2,525.40	

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

	<u>This Month</u>	<u>Year-to-Date Total</u>
<u>Barber Lake</u>		
<i><u>CONTENTS IN ACRE FEET</u></i>		
CAPACITY WHEN FULL	2,503	
CAPACITY THIS DATE	643	
PERCENT FULL	25.69%	
FREE CAPACITY THIS DATE	1,860	
INFLOWS*	74	162
WIER FLOW	0	26
PUMPED IN	139	698
WITHDRAWALS	0	0
SPILLS	0	0
EVAPORATION*	(28)	(92)
<i><u>ELEVATION ABOVE MEAN SEA LEVEL</u></i>		
ELEVATION WHEN FULL	2,097.00	
ELEVATION THIS DATE	2,082.84	
<u>Red Draw</u>		
<i><u>CONTENTS IN ACRE FEET</u></i>		
CAPACITY WHEN FULL	8,538	
CAPACITY THIS DATE	2,921	
PERCENT FULL	34.21%	
FREE CAPACITY THIS DATE	5,617	
INFLOWS*	0	294
PUMPED IN	34	138
WITHDRAWALS	0	0
SPILLS	0	0
EVAPORATION*	(110)	(406)
<i><u>ELEVATION ABOVE MEAN SEA LEVEL</u></i>		
ELEVATION WHEN FULL	2,445.00	
ELEVATION THIS DATE	2,424.27	

**COLORADO RIVER MUNICIPAL WATER DISTRICT
 DIVERTED / WATER QUALITY ENHANCEMENT SYSTEM
 RESERVOIRS REPORT
 May 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	6,878	
PERCENT FULL	25.23%	
FREE CAPACITY THIS DATE	20,388	
INFLOWS*	0	60
SPILLS	0	0
TRANSFERS IN	0	0
EVAPORATION*	(334)	(1,246)
<u>ELEVATION ABOVE MEAN SEA LEVEL</u>		
ELEVATION WHEN FULL	2,200.00	
ELEVATION THIS DATE	2,179.55	

Diverted / Water Quality Enhancement System Summary				
Reservoir	Elevation	Capacity	Year to Date Inflow (Acre Feet)	Year to Date Evaporation (Acre Feet)
Natural Dam	2,435.34	5,575	1,640	(2,351)
Sulphur Draw	2,525.40	554	0	(331)
Barber Lake	2,082.84	643	162	(92)
Red Draw	2,424.27	2,921	294	(406)
Mitchell County Reservoir	2,179.55	6,878	60	(1,246)
Total		16,571	2,156	(4,427)

* Inflow and Evaporation are approximate.

Water Quality Diversions		
Source	Current Month (Acre Feet)	Year to Date (Acre Feet)
Colorado River	139	698
Beals Creek	143	505
Total	282	1,202

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

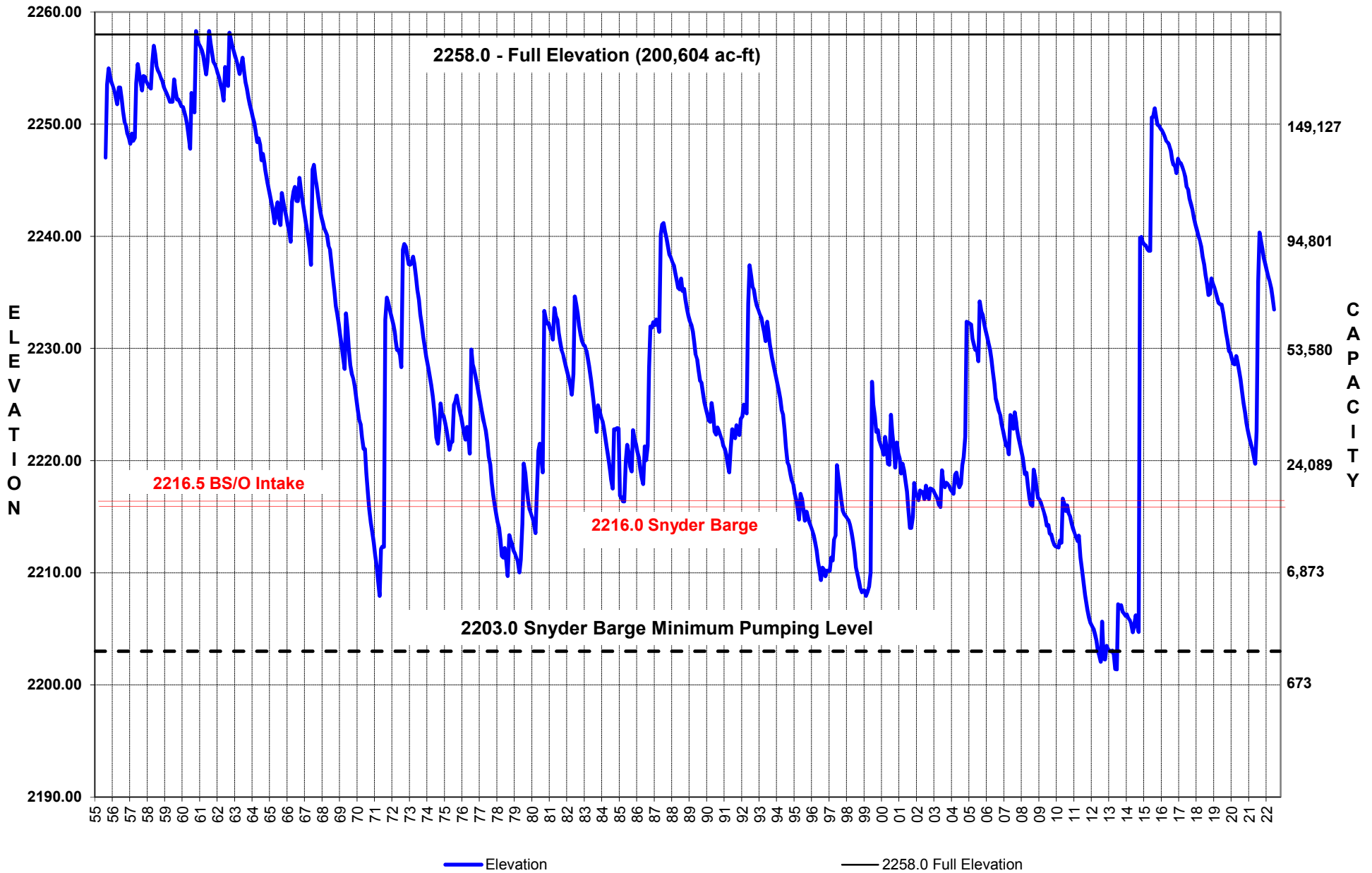
<u>Well Field</u>	<u>Production This Month (Gallons)</u>	<u>Daily Average for Month (Gal)</u>	<u>Production Year- to-Date (Gallons)</u>
Ward County North Well Field	211,946,610	6,836,987	741,598,020
Ward County South Well Field	38,872,000	1,253,935	84,555,000
Odessa Well Field (Out of Service)	0	0	0
Martin County Well Field	198,180	6,393	16,523,200
Snyder Well Field	0	0	0
Total	251,016,790	8,097,316	842,676,220

**BIG SPRING RAW WATER PRODUCTION FACILITY
PRODUCTION REPORT
May 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

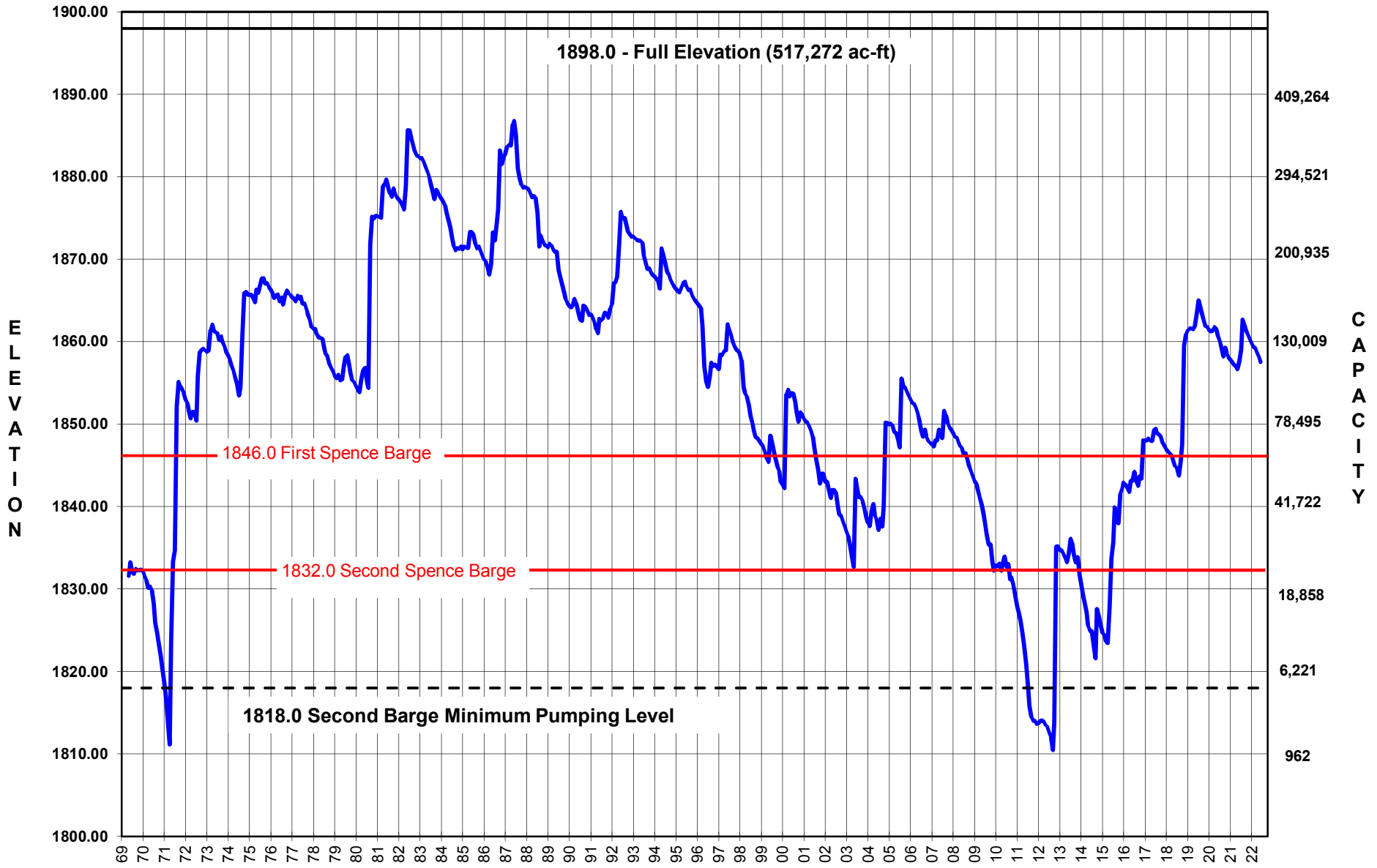
LAKE J.B. THOMAS

Elevation August 1955 - May 2022



E.V. SPENCE RESERVOIR

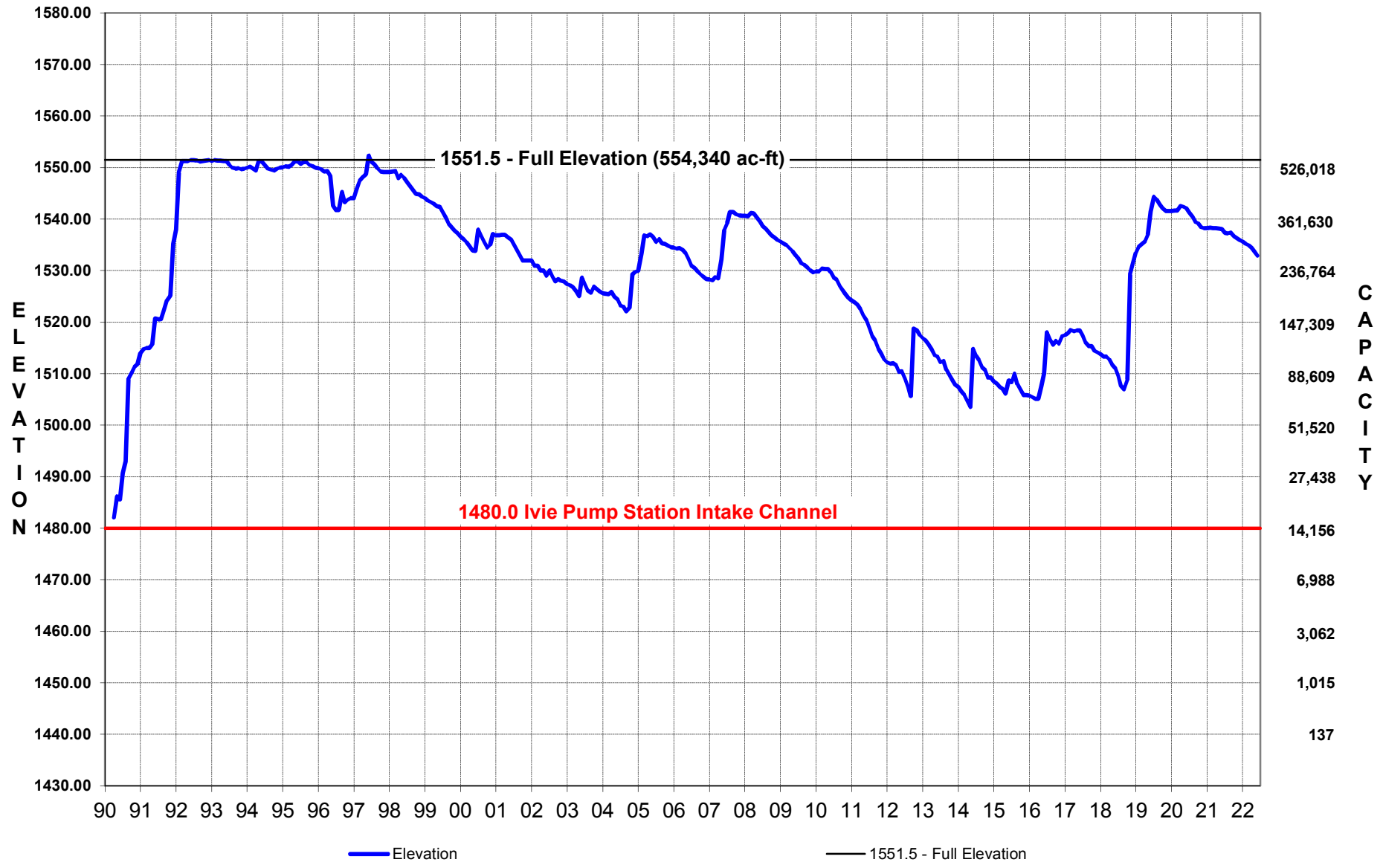
Elevation May 1969 - May 2022



— Elevation — 1898.0-Full Elevation

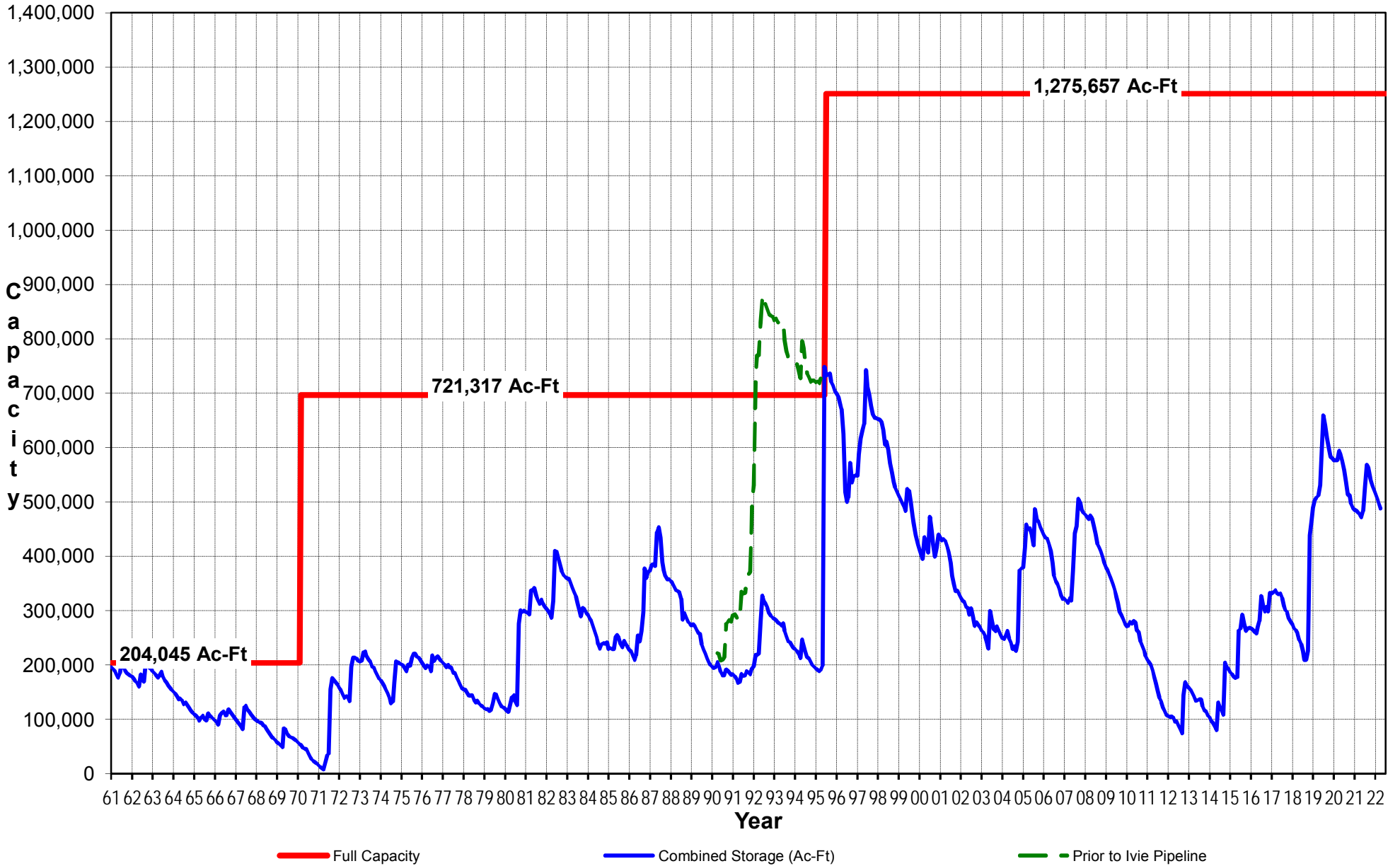
O.H. IVIE RESERVOIR

Elevation April 1990 - May 2022



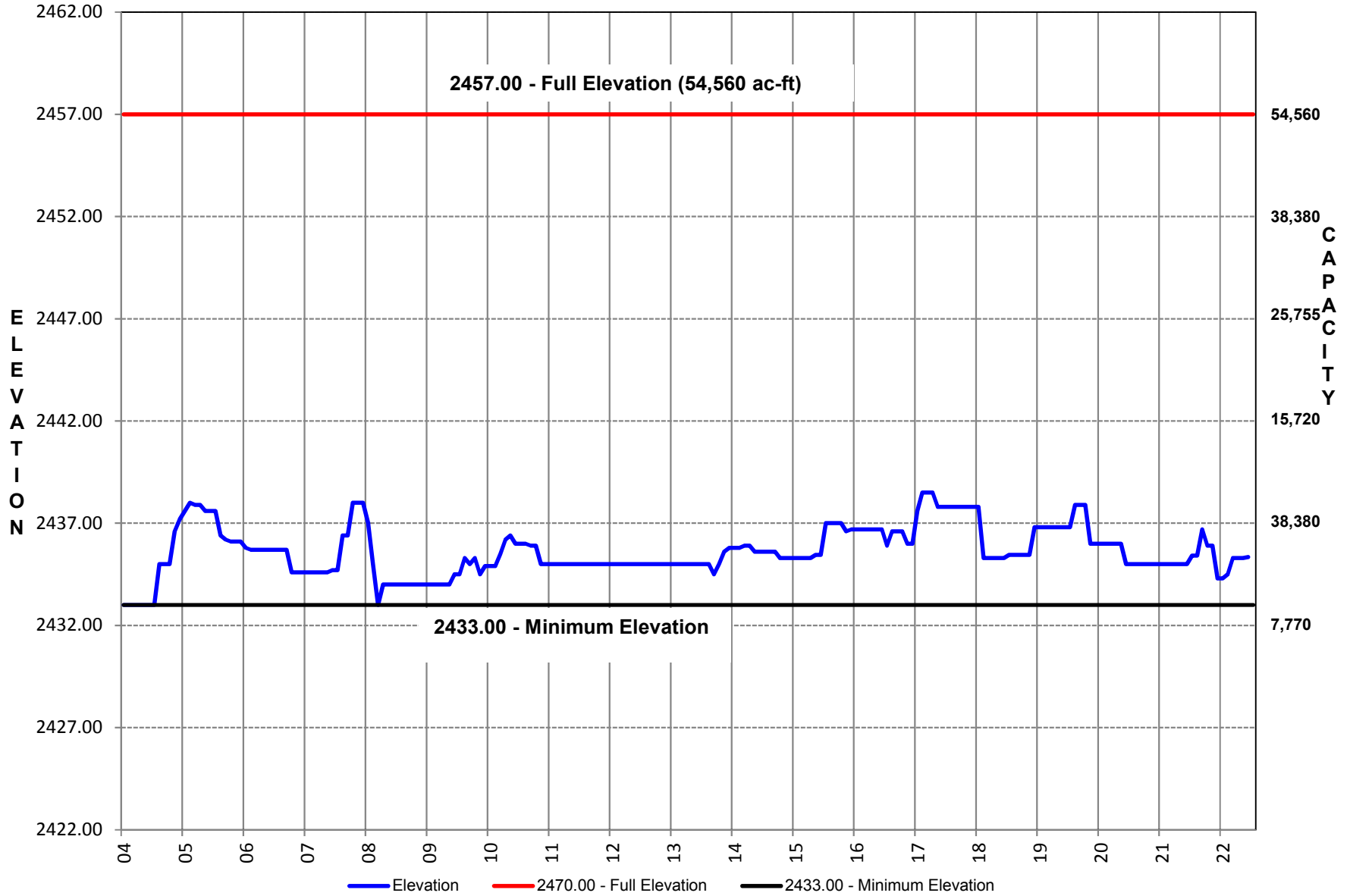
COLORADO RIVER MUNICIPAL WATER DISTRICT

COMBINED STORAGE Thomas, Spence, Moss, Ivie



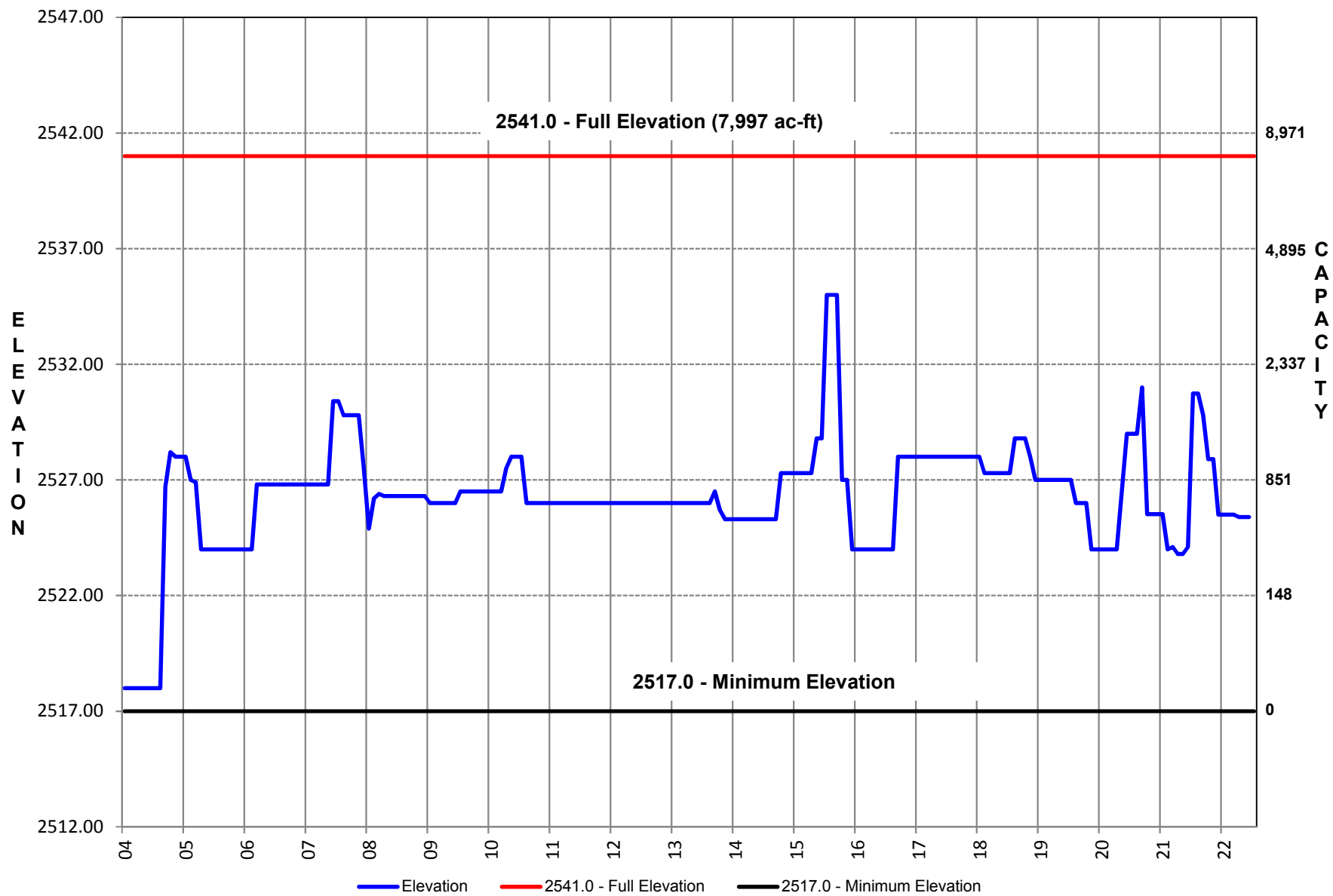
Natural Dam Reservoir

Elevation January 2004 - May 2022



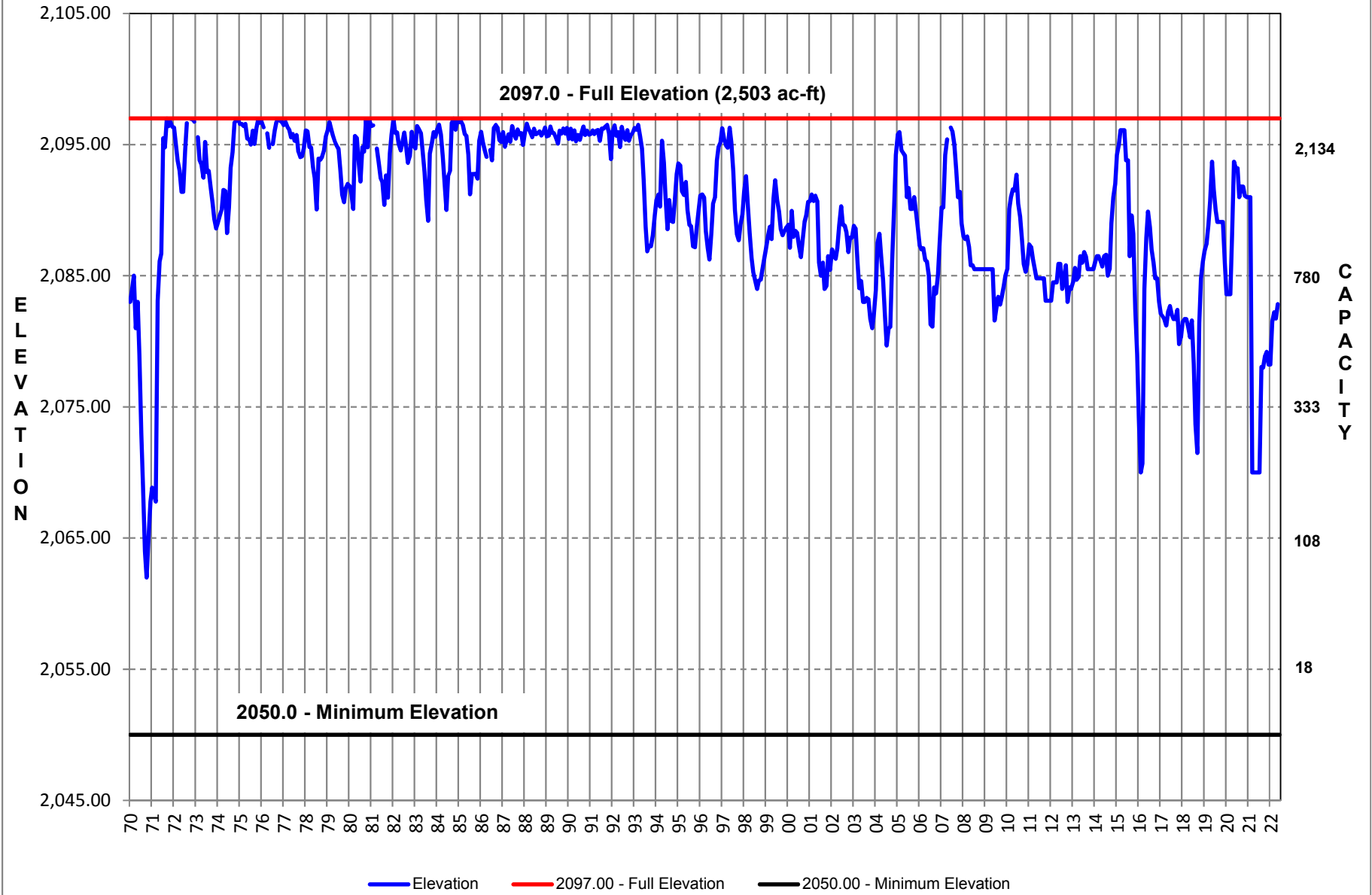
Sulphur Draw Reservoir

Elevation January 2004 - May 2022



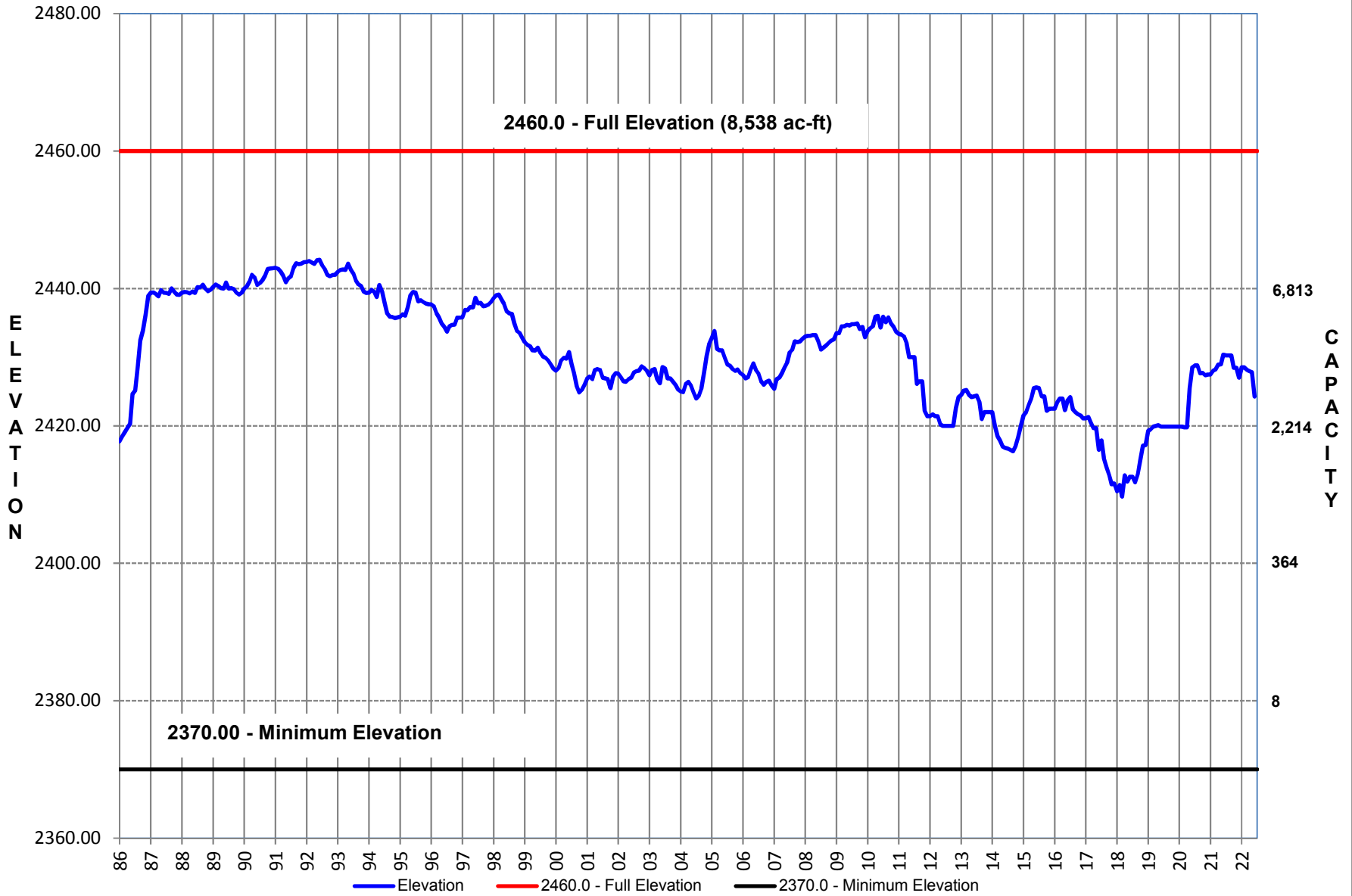
Barber Lake

Elevation February 1970 - May 2022



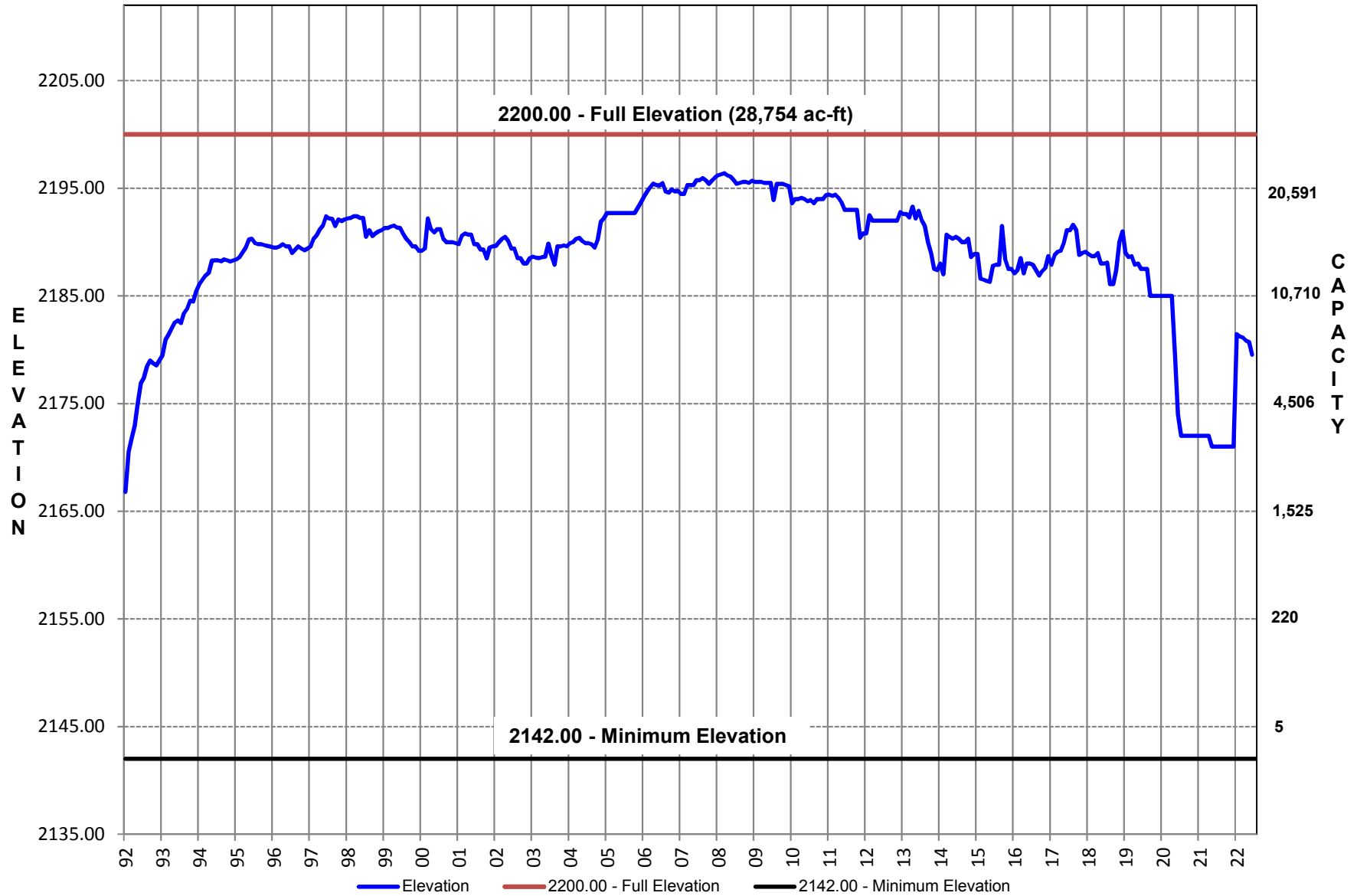
Red Draw

Elevation January 1986 - May 2022



Mitchell County Reservoir

Elevation January 1992 - May 2022



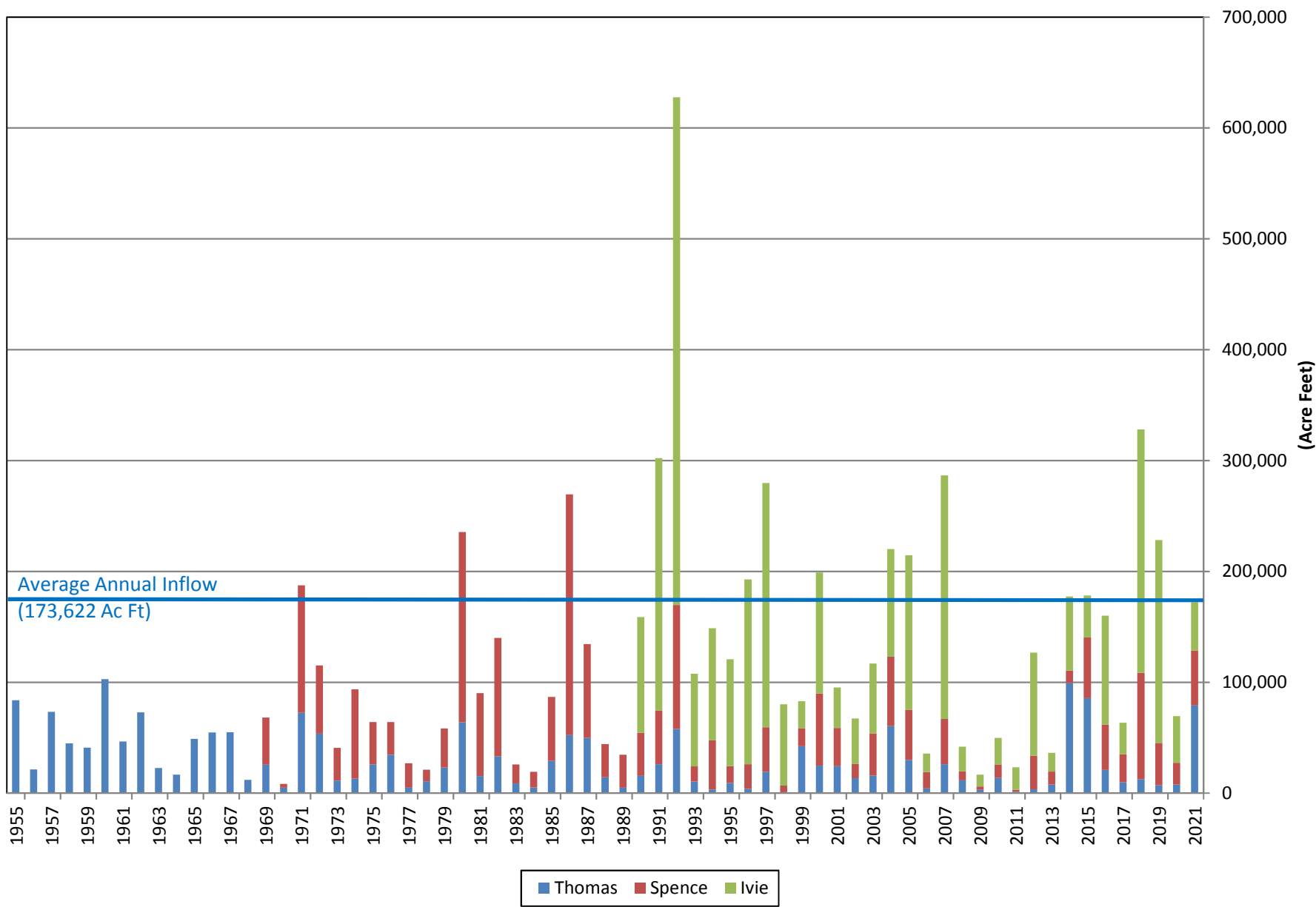
Annual Historical Data

COLORADO RIVER MUNICIPAL WATER DISTRICT

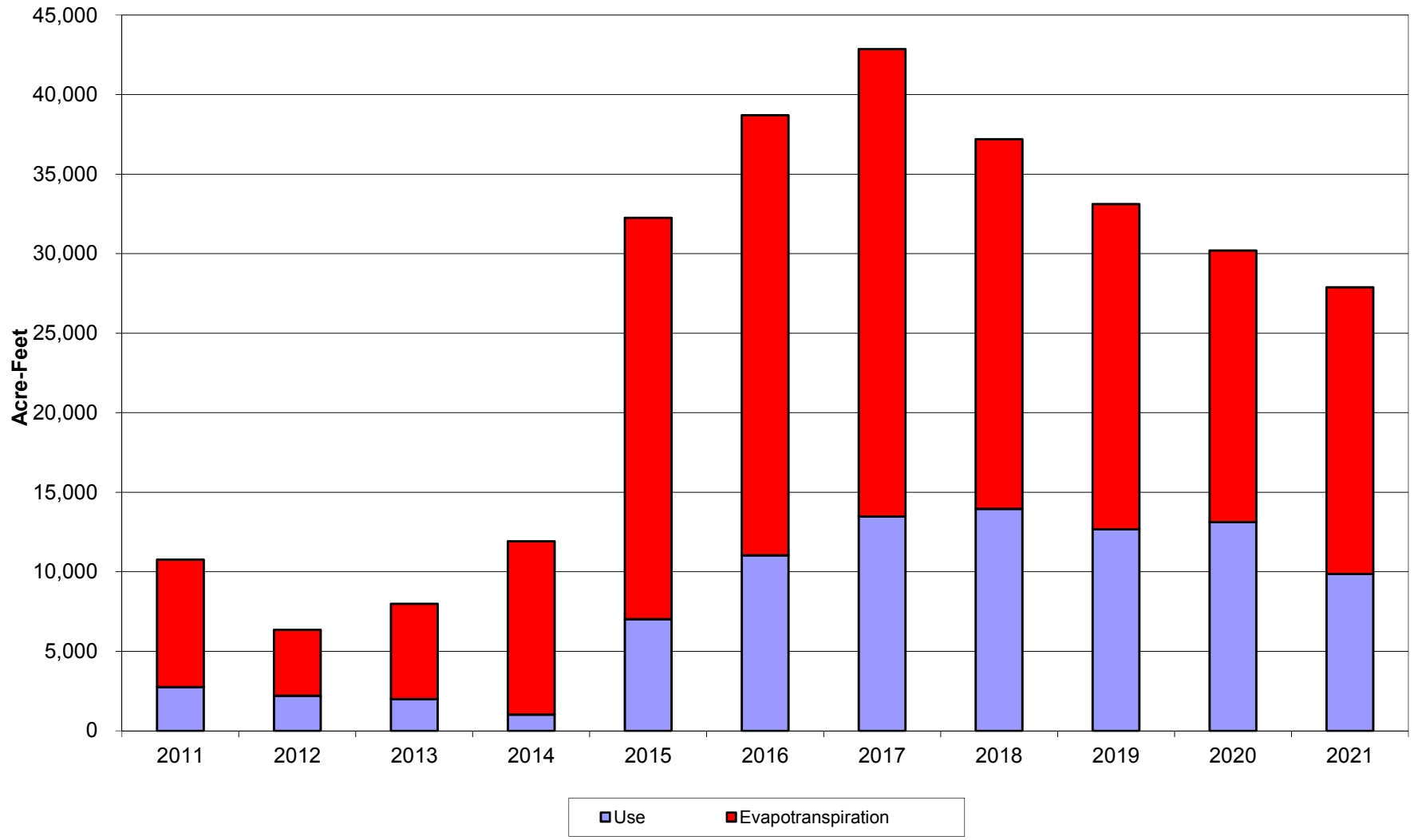
RESERVOIR INFLOW SUMMARY

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

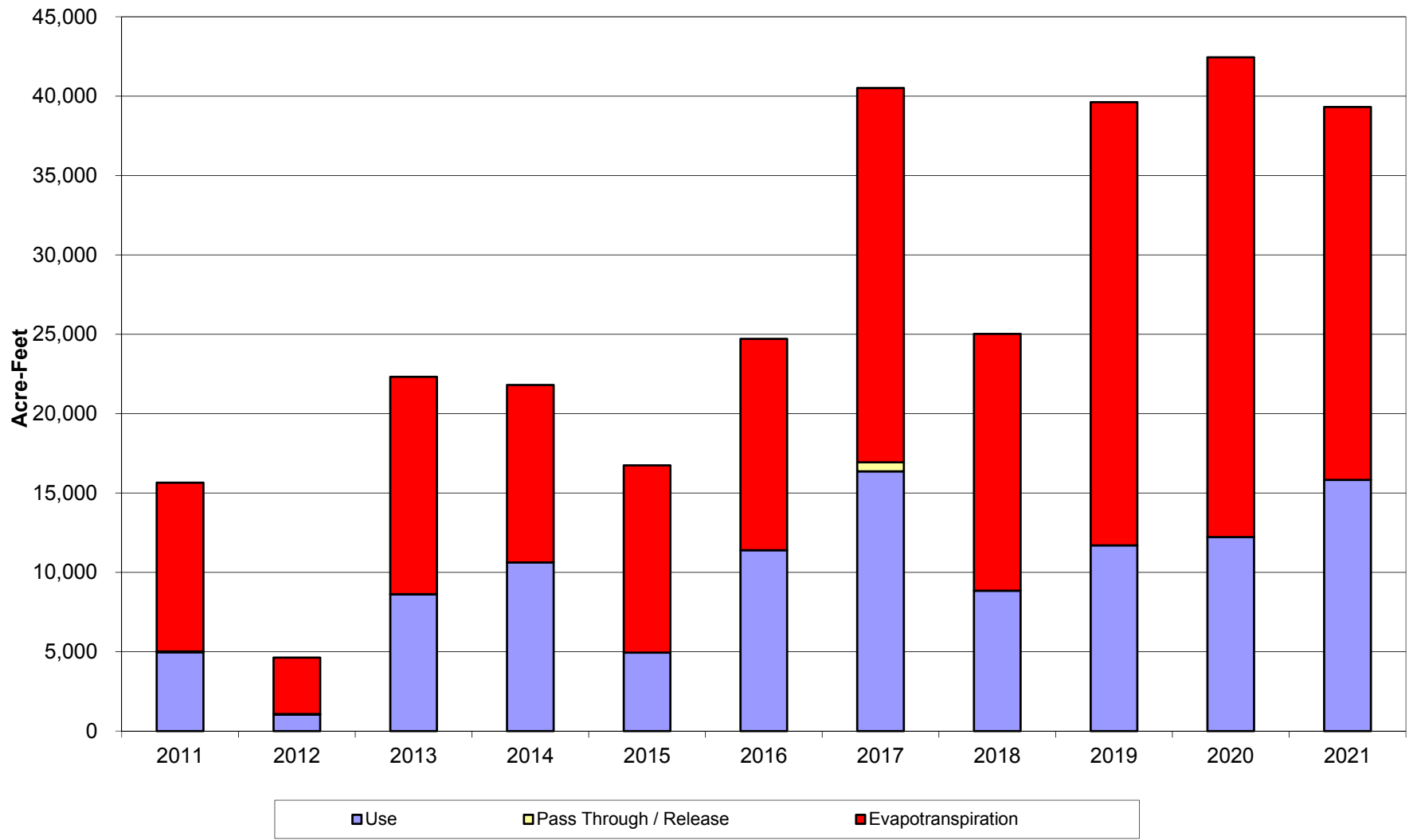
Combined Inflow (1955 through 2021)



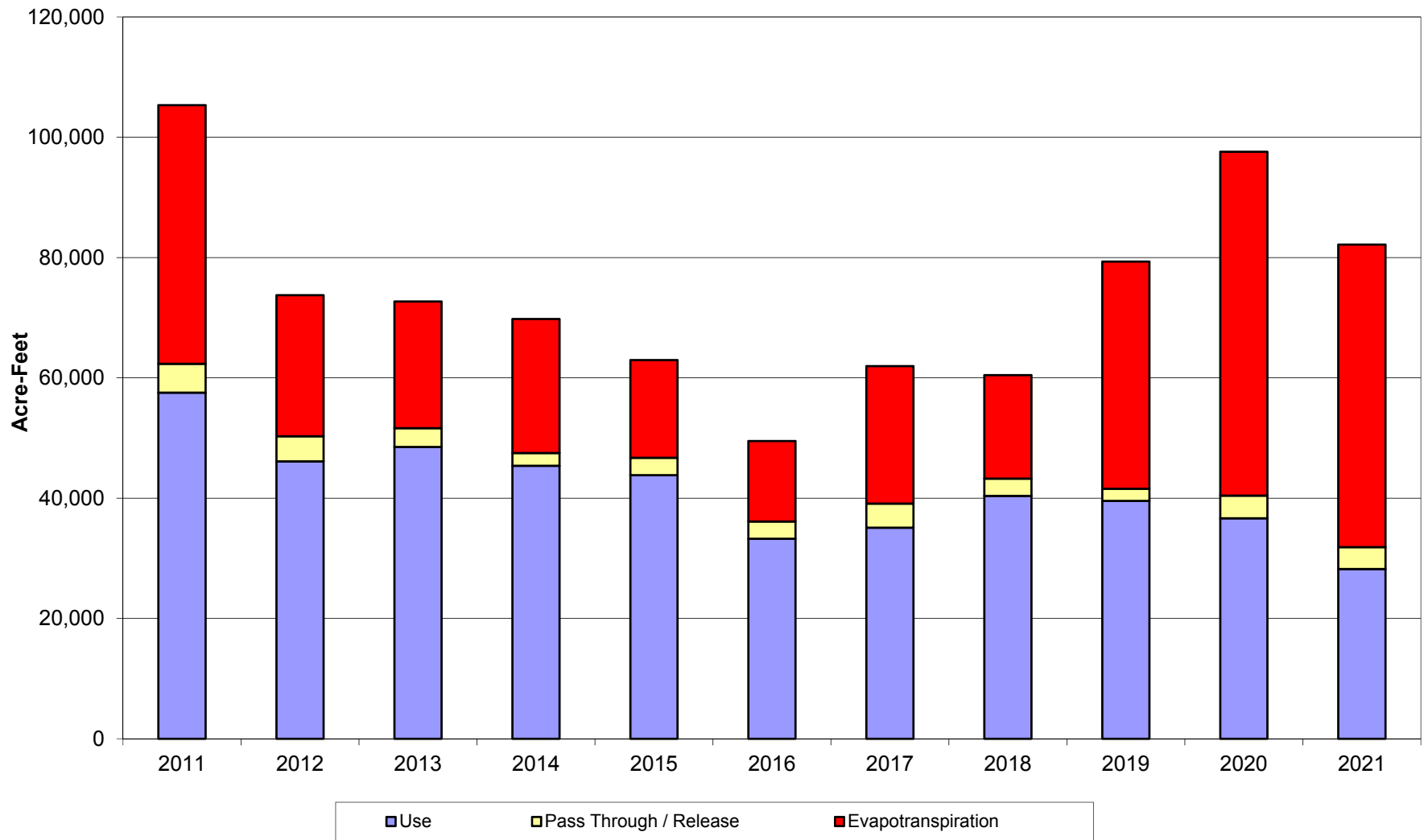
Lake J.B. Thomas
January 2011 thru December 2021



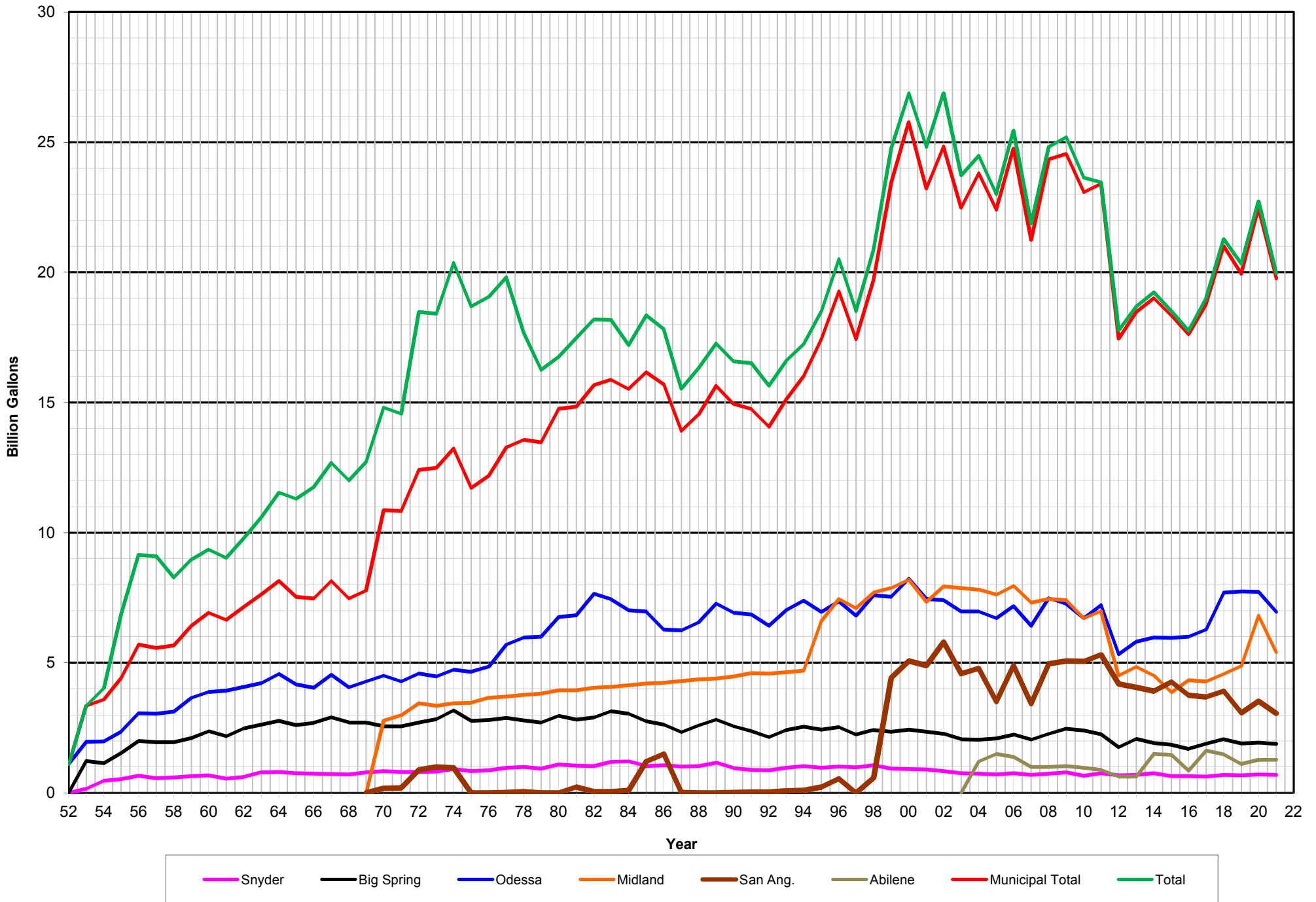
E.V. Spence Reservoir January 2011 thru December 2021



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

