



Monthly Water Report

September 2021

COLORADO RIVER MUNICIPAL WATER DISTRICT

PO Box 869, 400 East 24th Street

Big Spring, Texas 79721-0869

**Colorado River Municipal Water District
Water Delivered
September 2021**

Raw Water System

Member Cities	Total Deliveries This Month (Gal)	Daily Average For Month (Gal)	Year-to-Date (Gal)
Big Spring	164,039,000	5,467,967	1,495,364,000
Odessa	714,350,700	23,811,690	5,371,756,700
Snyder	66,554,000	2,218,467	538,009,000
Subtotal	944,943,700	31,498,123	7,405,129,700

Municipal Customers

Grandfalls	75,000	2,500	4,250,000
Midland - 1966 Contract	431,497,000	14,383,233	3,462,210,000
Midland - Ivie Contract	239,485,000	7,982,833	1,217,749,000
Millersview Doole WSC	40,915,400	1,363,847	305,777,400
San Angelo - Spence	0	0	0
San Angelo - Ivie	424,100,000	14,136,667	2,063,259,800
Stanton	10,769,500	358,983	82,431,100
Abilene	119,040,000	3,968,000	971,610,000
Subtotal	1,265,881,900	42,196,063	8,107,287,300

Industrial Customers

Alon Rural Meters	4,530,050	151,002	42,044,230
Luminant Generation	0	0	2,123,000
Occidental	560	19	4,650
Parallel Petroleum	2,090	70	91,110
Power Resources	9,515,000	317,167	79,297,000
Subtotal	14,047,700	468,257	123,559,990

Diverted Water System

Industrial Customers

BASA Resources	0	0	24,461,200
Sabinal	248,700	8,290	912,100
Rover Operating	0	0	729,540
Fleur de Lis Energy	0	0	0
Subtotal	248,700	8,290	26,102,840

Total Deliveries	2,225,122,000	74,170,733	15,662,079,830
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**COLORADO RIVER MUNICIPAL WATER DISTRICT
RESERVOIR REPORT
September 2021**

<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	89,339	
PERCENT FULL	44.54%	
FREE CAPACITY THIS DATE	111,265	
INFLOWS*	359	78,937
PASS THROUGH / RELEASES	0	0
WITHDRAWALS	1,117	7,306
EVAPORATION*	(2,991)	(11,930)

<i><u>ELEVATION ABOVE MEAN SEA LEVEL</u></i>		
ELEVATION WHEN FULL	2,258.00	
ELEVATION THIS DATE	2,238.83	

E. V. Spence Reservoir

<i><u>CONTENTS IN ACRE FEET</u></i>		
CAPACITY WHEN FULL	517,272	
CAPACITY THIS DATE	138,492	
PERCENT FULL	26.77%	
FREE CAPACITY THIS DATE	378,780	
INFLOWS*	338	48,117
PASS THROUGH / RELEASES	0	0
WITHDRAWALS	1,342	11,788
EVAPORATION*	(3,736)	(16,544)

<i><u>ELEVATION ABOVE MEAN SEA LEVEL</u></i>		
ELEVATION WHEN FULL	1,898.00	
ELEVATION THIS DATE	1,861.37	

**COLORADO RIVER MUNICIPAL WATER DISTRICT
RESERVOIR REPORT
September 2021**

	<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	316,445	
PERCENT FULL	57.09%	
FREE CAPACITY THIS DATE	237,895	
INFLOWS*	3,881	39,588
PASS THROUGH / RELEASES	460	3,146
WITHDRAWALS	3,657	20,534
SPILLS	0	0
EVAPORATION*	(8,791)	(39,535)
<i><u>ELEVATION ABOVE MEAN SEA LEVEL</u></i>		
ELEVATION WHEN FULL	1,551.50	
ELEVATION THIS DATE	1,536.71	

Moss Creek Lake

<i><u>CONTENTS IN ACRE FEET</u></i>		
CAPACITY WHEN FULL	3,441	
CAPACITY THIS DATE	2,365	
PERCENT FULL	68.73%	
FREE CAPACITY THIS DATE	1,076	
INFLOWS*	20	1,012
PASS THROUGH / RELEASES	0	0
WITHDRAWALS	(129)	(181)
SPILLS	0	0
EVAPORATION*	(63)	(561)
<i><u>ELEVATION ABOVE MEAN SEA LEVEL</u></i>		
ELEVATION WHEN FULL	2,336.50	
ELEVATION THIS DATE	2,329.18	

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	2,238.83	89,339	78,937	7,306	0	(11,930)
E.V. Spence Reservoir	1,861.37	138,492	48,117	11,788	0	(16,544)
O.H. Ivie Reservoir	1,536.71	316,445	39,588	20,534	3,146	(39,535)
Moss Creek Lake	2,329.18	2,365	1,012	(181)	0	(561)
	Total	546,641	167,654	39,447	3,146	(68,570)

* Inflow and Evaporation are approximate.

**COLORADO RIVER MUNICIPAL WATER DISTRICT
 DIVERTED / WATER QUALITY ENHANCEMENT SYSTEM
 RESERVOIRS REPORT
 September 2021**

<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	6,290	
PERCENT FULL	11.53%	
FREE CAPACITY THIS DATE	48,270	
INFLOWS*	0	2,224
SPILLS	0	0
EVAPORATION*	(638)	(5,763)
<i><u>ELEVATION ABOVE MEAN SEA LEVEL</u></i>		
ELEVATION WHEN FULL	2,457.00	
ELEVATION THIS DATE	2,435.90	
<u>Sulphur Draw Reservoir</u>		
<i><u>CONTENTS IN ACRE FEET</u></i>		
CAPACITY WHEN FULL	7,997	
CAPACITY THIS DATE	1,055	
PERCENT FULL	13.19%	
FREE CAPACITY THIS DATE	6,942	
INFLOWS*	0	1,567
PASS THROUGH / RELEASES	0	0
EVAPORATION*	(151)	(1,038)
<i><u>ELEVATION ABOVE MEAN SEA LEVEL</u></i>		
ELEVATION WHEN FULL	2,541.00	
ELEVATION THIS DATE	2,527.90	

**COLORADO RIVER MUNICIPAL WATER DISTRICT
 DIVERTED / WATER QUALITY ENHANCEMENT SYSTEM
 RESERVOIRS REPORT
 September 2021**

<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	435	
PERCENT FULL	17.38%	
FREE CAPACITY THIS DATE	2,068	
INFLOWS*	0	219
WIER FLOW	0	23
PUMPED IN	5	290
WITHDRAWALS	0	0
SPILLS	0	0
EVAPORATION*	(17)	(180)

<i><u>ELEVATION ABOVE MEAN SEA LEVEL</u></i>		
ELEVATION WHEN FULL	2,097.00	
ELEVATION THIS DATE	2,078.00	

Red Draw

<i><u>CONTENTS IN ACRE FEET</u></i>		
CAPACITY WHEN FULL	8,538	
CAPACITY THIS DATE	3,709	
PERCENT FULL	43.44%	
FREE CAPACITY THIS DATE	4,829	
INFLOWS*	0	795
PUMPED IN	15	291
WITHDRAWALS	0	0
SPILLS	0	0
EVAPORATION*	(102)	(1004)

<i><u>ELEVATION ABOVE MEAN SEA LEVEL</u></i>		
ELEVATION WHEN FULL	2,445.00	
ELEVATION THIS DATE	2,428.47	

**COLORADO RIVER MUNICIPAL WATER DISTRICT
 DIVERTED / WATER QUALITY ENHANCEMENT SYSTEM
 RESERVOIRS REPORT
 September 2021**

<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	3,034	
PERCENT FULL	11.13%	
FREE CAPACITY THIS DATE	24,232	
INFLOWS*	0	0
SPILLS	0	0
TRANSFERS IN	0	(1)
EVAPORATION*	(143)	(1,444)
<u>ELEVATION ABOVE MEAN SEA LEVEL</u>		
ELEVATION WHEN FULL	2,200.00	
ELEVATION THIS DATE	2,171.00	

Diverted / Water Quality Enhancement System Summary				
Reservoir	Elevation	Capacity	Year to Date Inflow (Acre Feet)	Year to Date Evaporation (Acre Feet)
Natural Dam	2,435.90	6,290	2,224	(5,763)
Sulphur Draw	2,527.90	1,055	1,567	(1,038)
Barber Lake	2,078.00	435	219	(180)
Red Draw	2,428.47	3,709	795	(1,004)
Mitchell County Reservoir	2,171.00	3,034	0	(1,444)
Total		14,523	4,805	(9,429)

* Inflow and Evaporation are approximate.

Water Quality Diversions		
Source	Current Month (Acre Feet)	Year to Date (Acre Feet)
Colorado River	5	290
Beals Creek	84	-11,403
Total	88	-11,113

**COLORADO RIVER MUNICIPAL WATER DISTRICT
GROUNDWATER REPORT
September 2021**

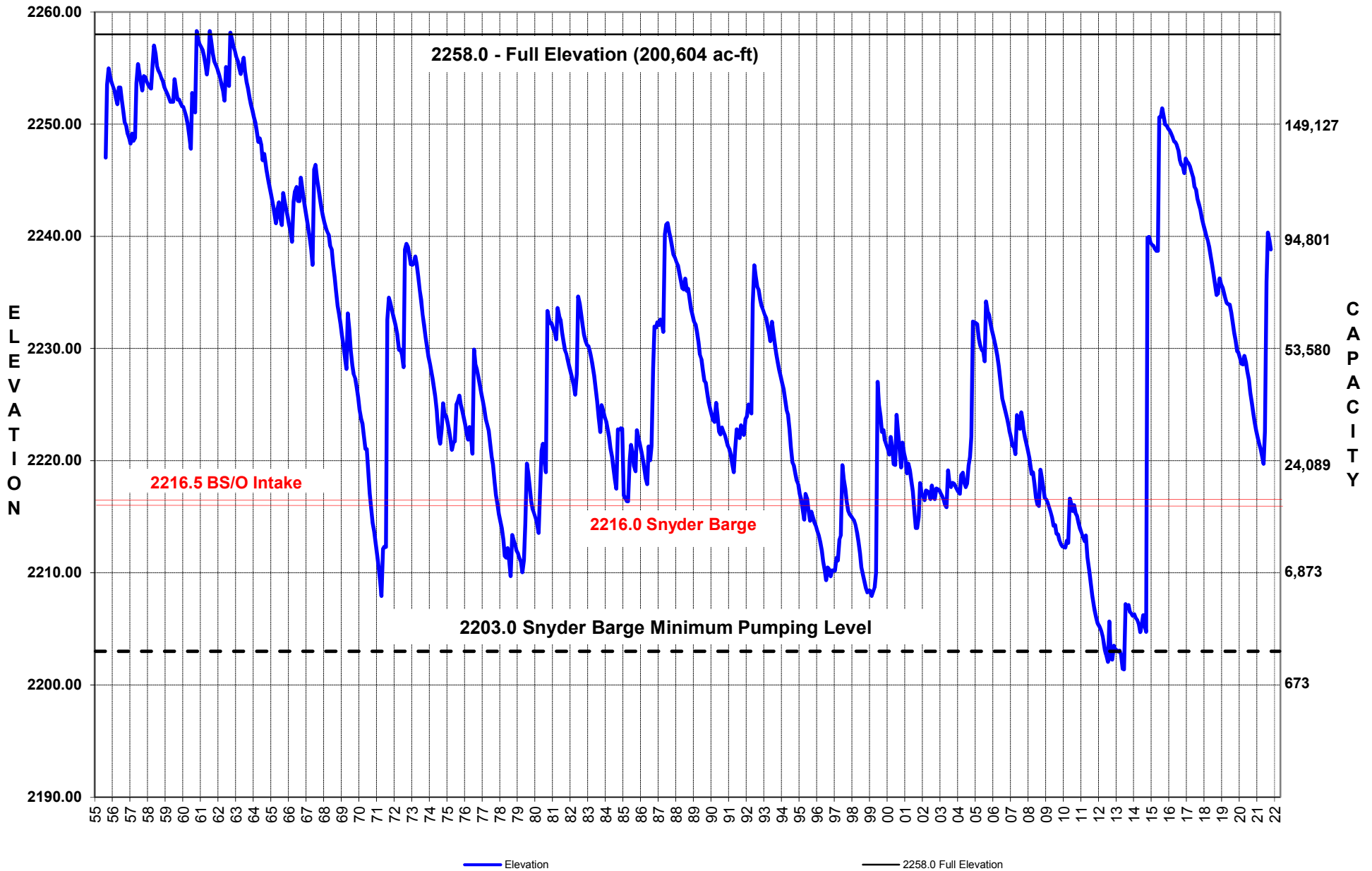
<u>Well Field</u>	<u>Production This Month (Gallons)</u>	<u>Daily Average for Month (Gal)</u>	<u>Production Year- to-Date (Gallons)</u>
Ward County North Well Field	135,892,500	4,529,750	2,251,155,470
Ward County South Well Field	51,000	1,700	859,798,000
Odessa Well Field (Out of Service)	0	0	0
Martin County Well Field	0	0	0
Snyder Well Field	0	0	0
Total	135,943,500	4,531,450	3,110,953,470

**BIG SPRING RAW WATER PRODUCTION FACILITY
PRODUCTION REPORT
September 2021**

	<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	22,520,000	750,667	139,490,000

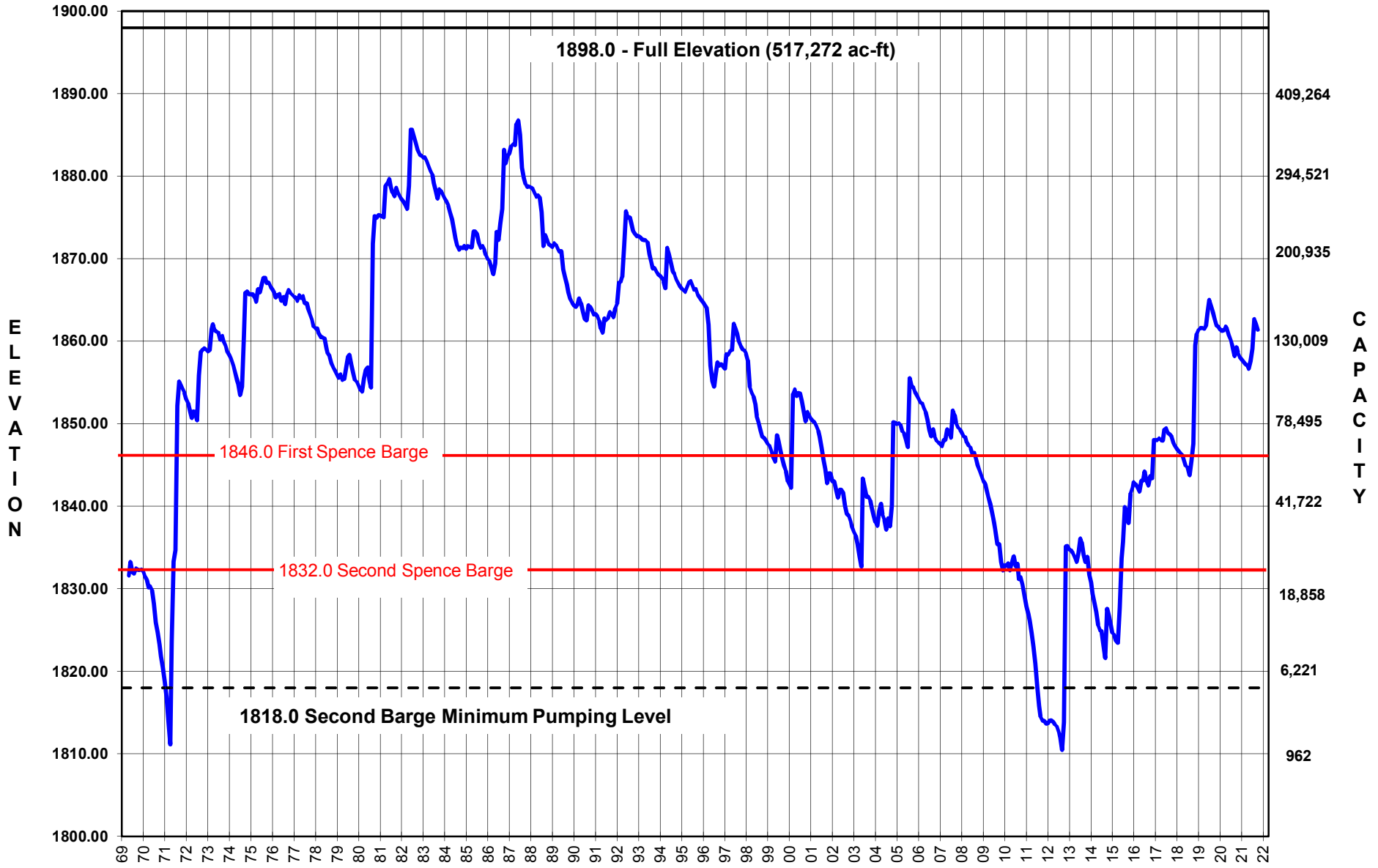
LAKE J.B. THOMAS

Elevation August 1955 - September 2021



E.V. SPENCE RESERVOIR

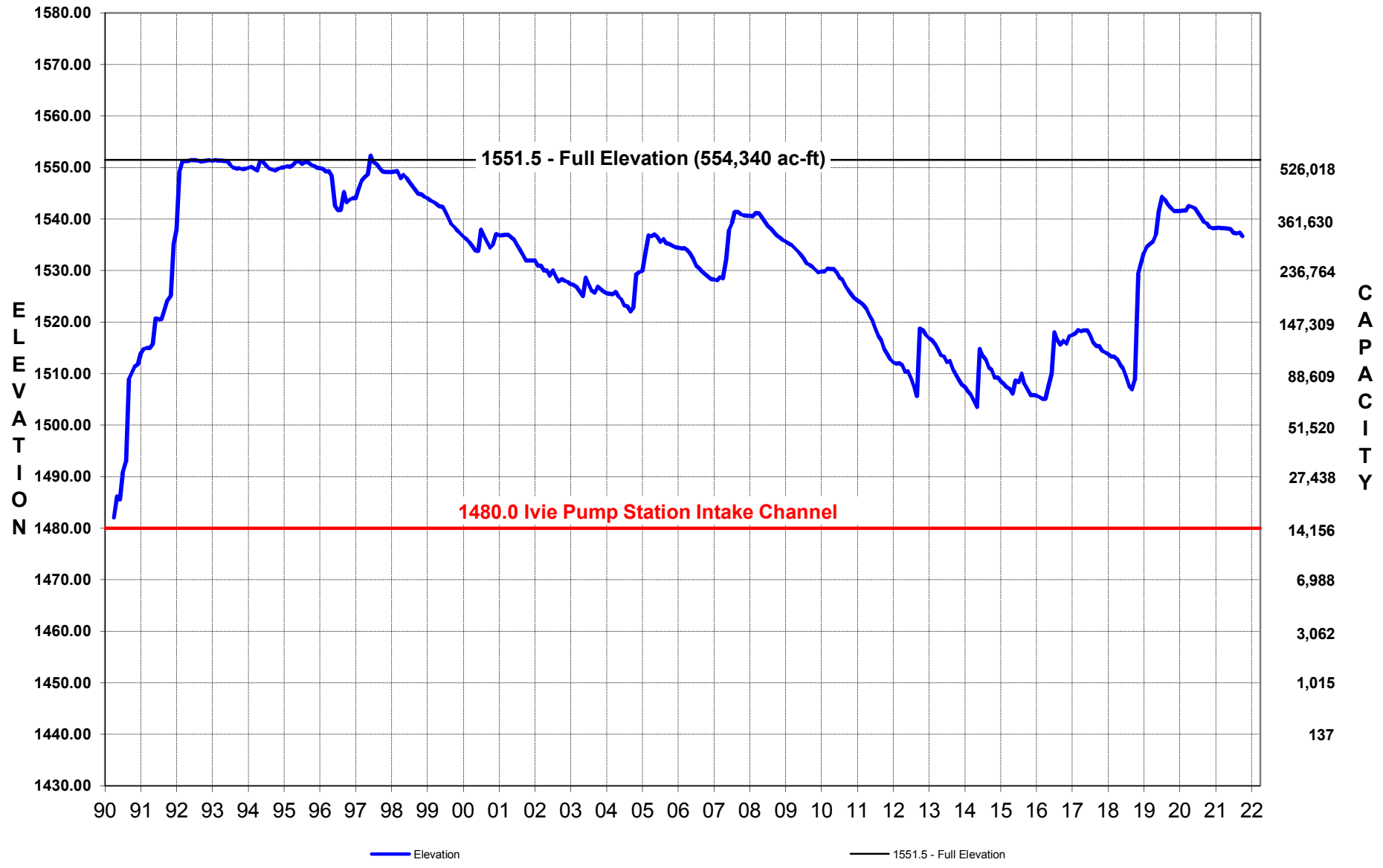
Elevation May 1969 - September 2021



— Elevation — 1898.0-Full Elevation

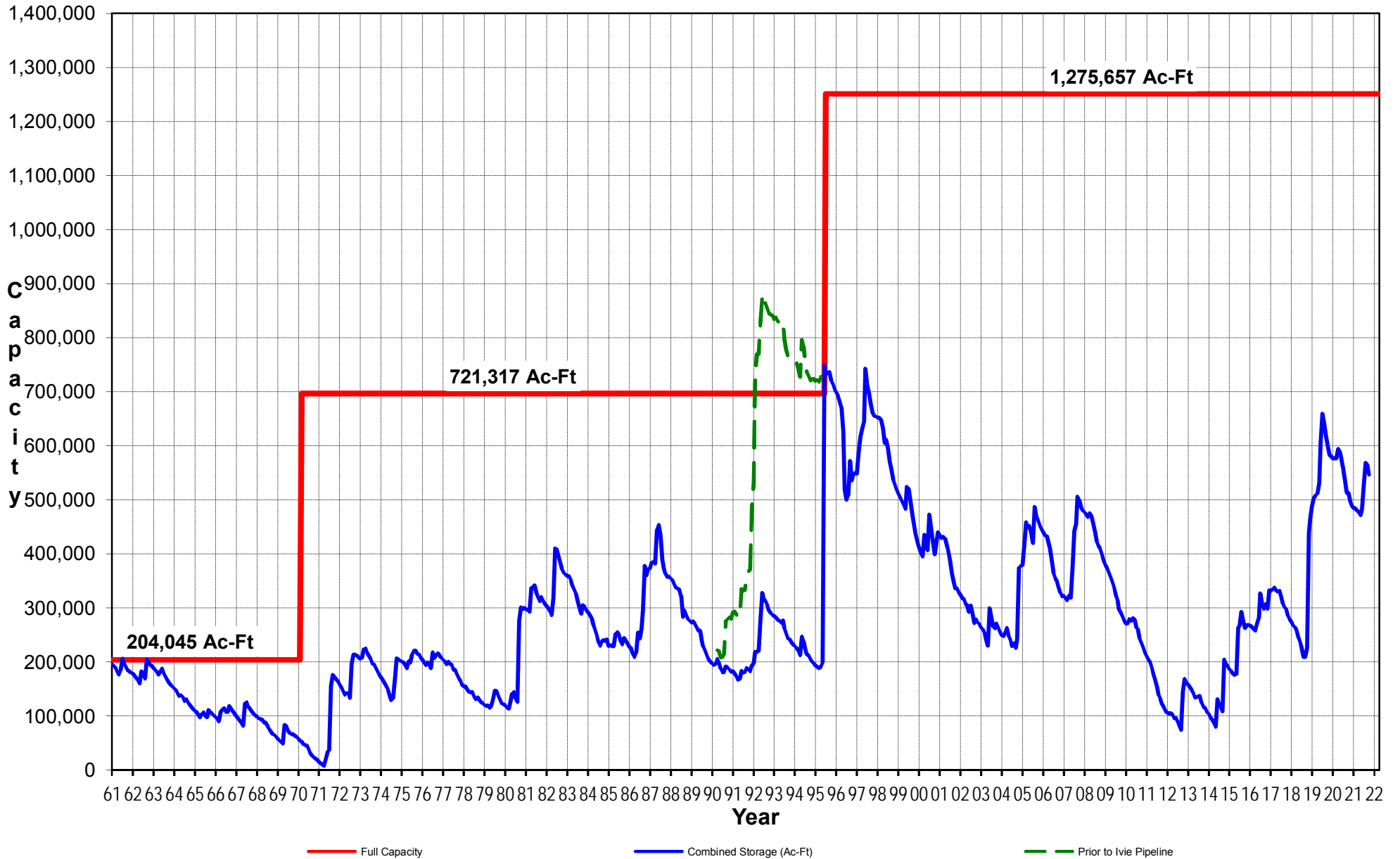
O.H. IVIE RESERVOIR

Elevation April 1990 - September 2021



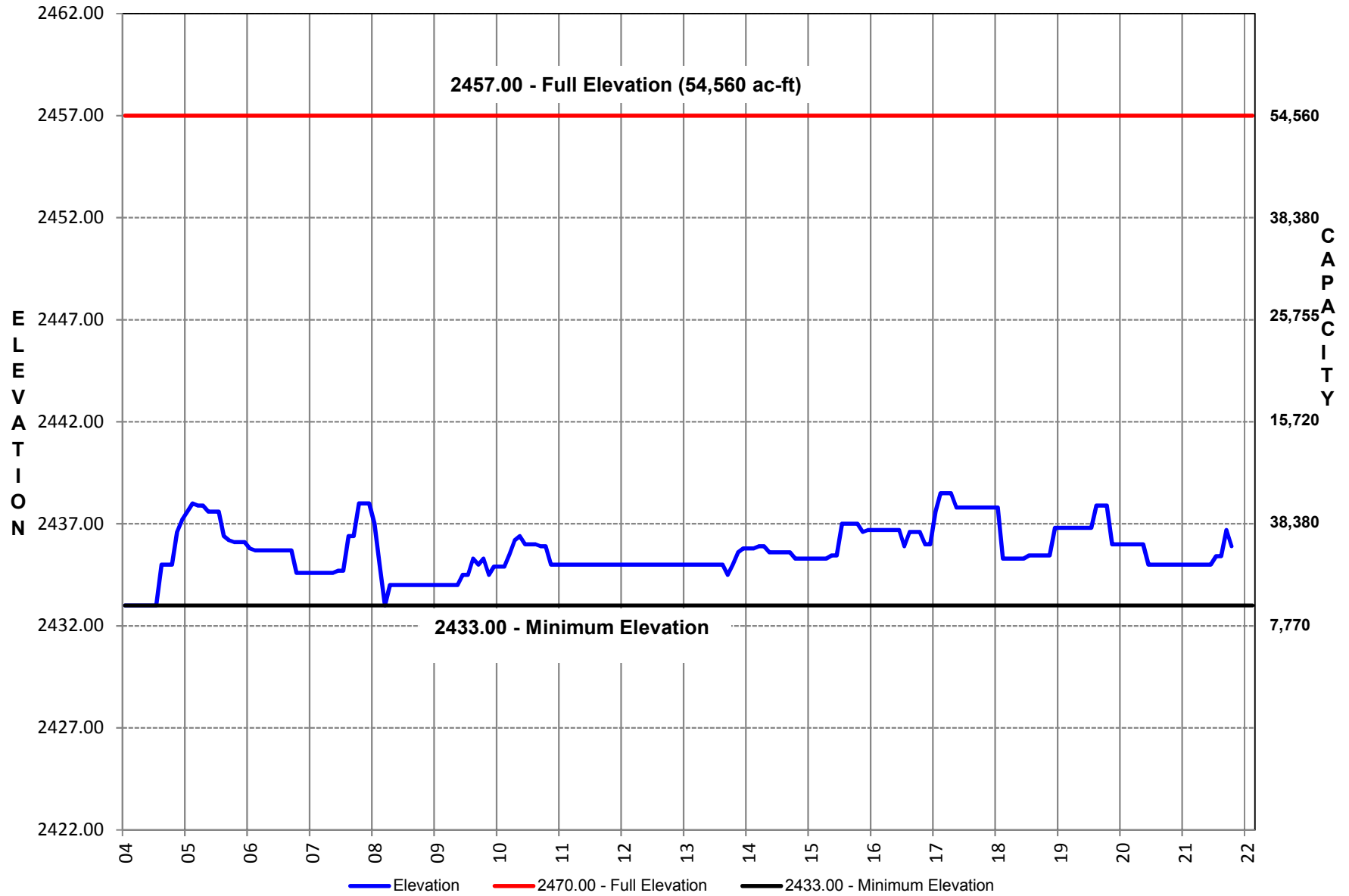
COLORADO RIVER MUNICIPAL WATER DISTRICT

COMBINED STORAGE Thomas, Spence, Moss, Ivie



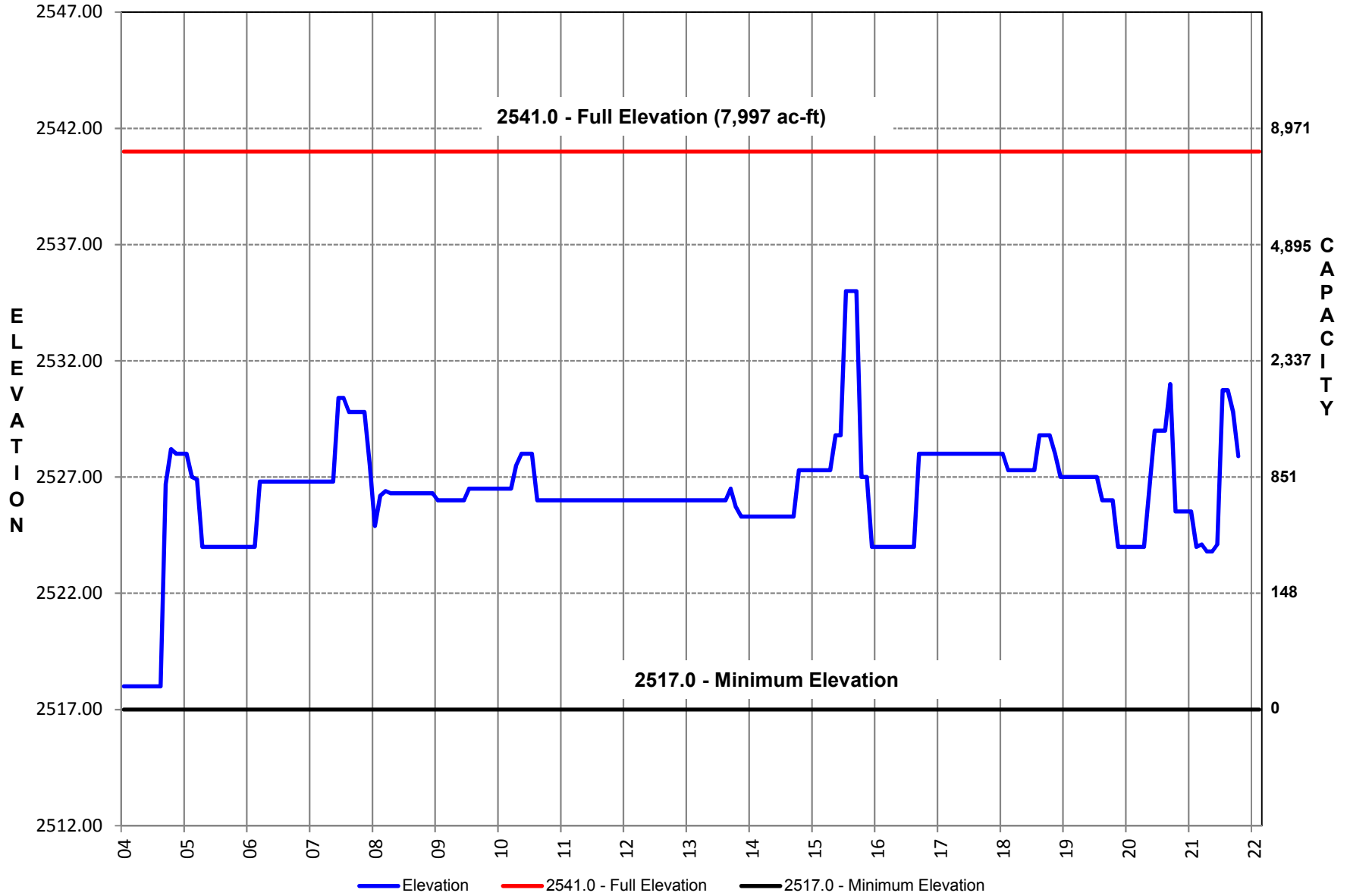
Natural Dam Reservoir

Elevation January 2004 - September 2021



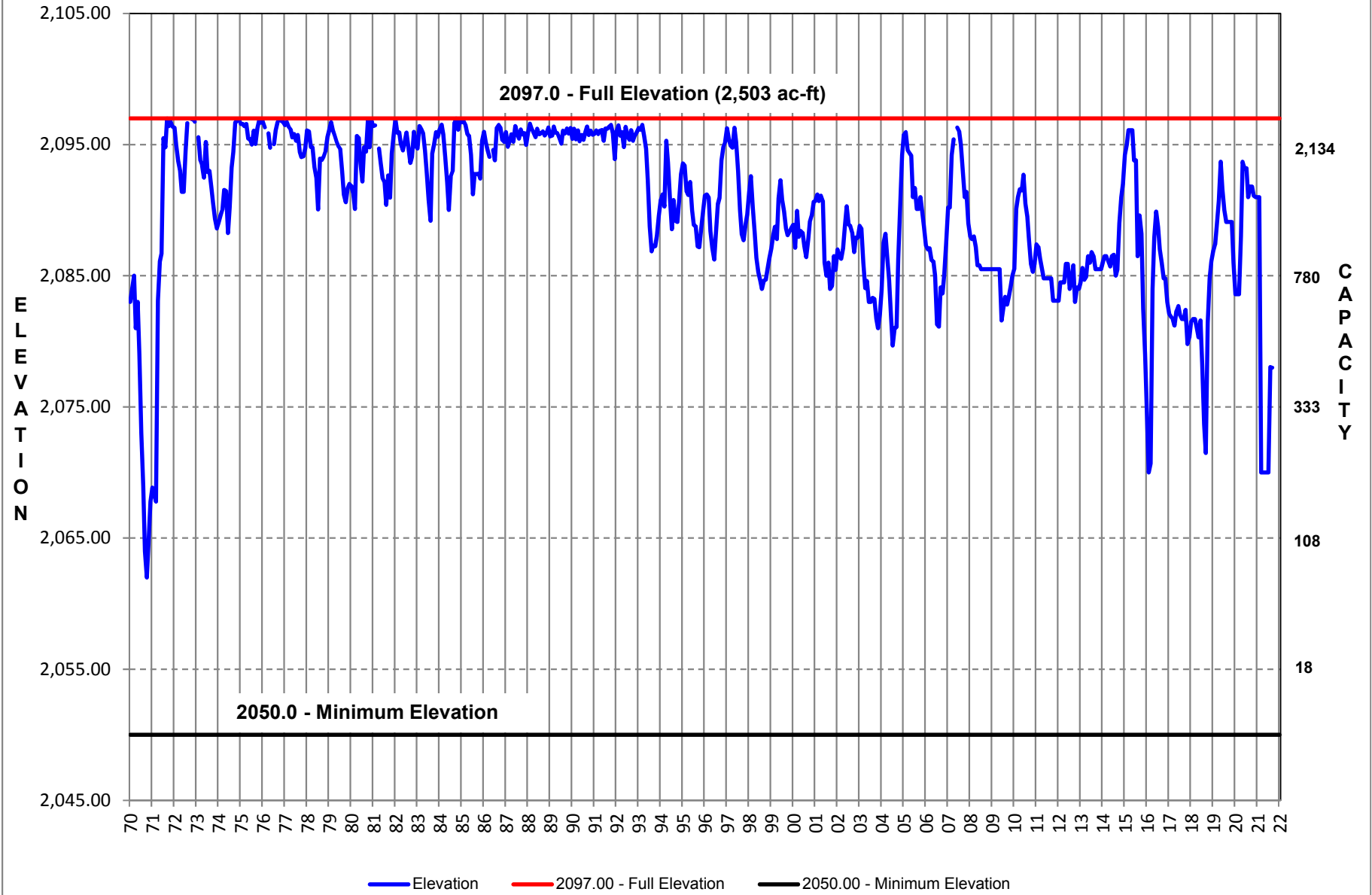
Sulphur Draw Reservoir

Elevation January 2004 - September 2021



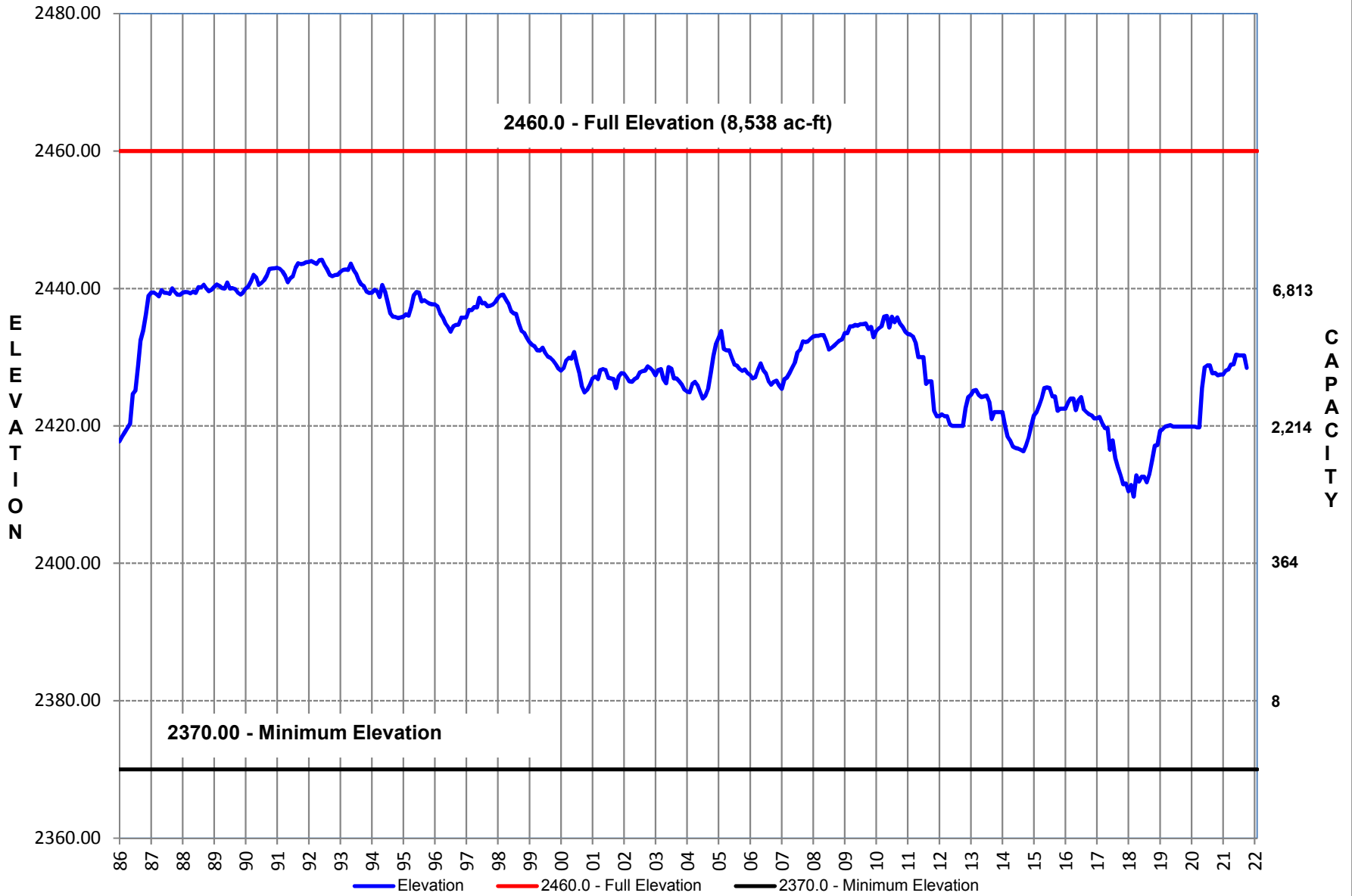
Barber Lake

Elevation February 1970 - September 2021



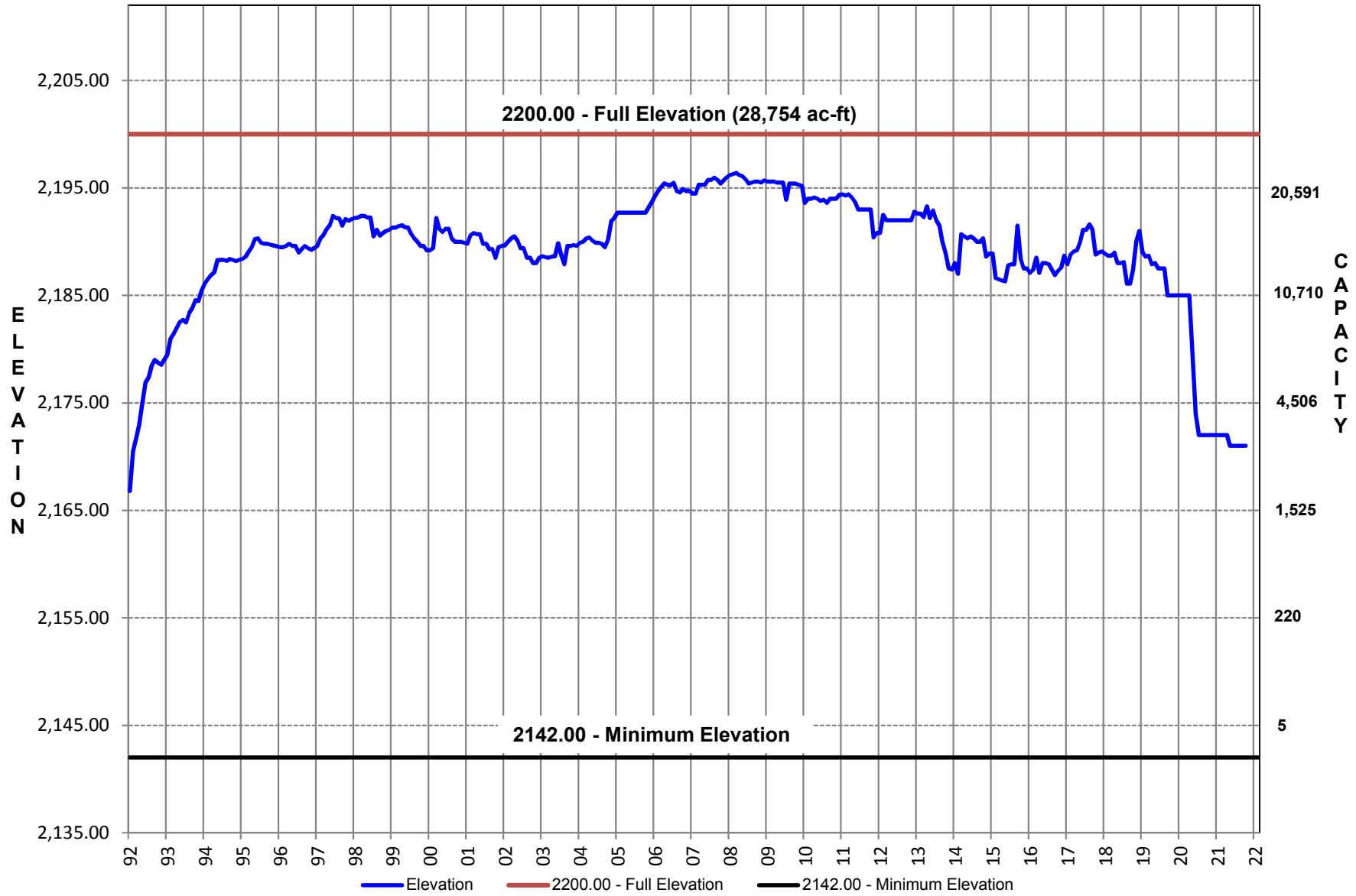
Red Draw

Elevation January 1986 - September 2021



Mitchell County Reservoir

Elevation January 1992 - September 2021



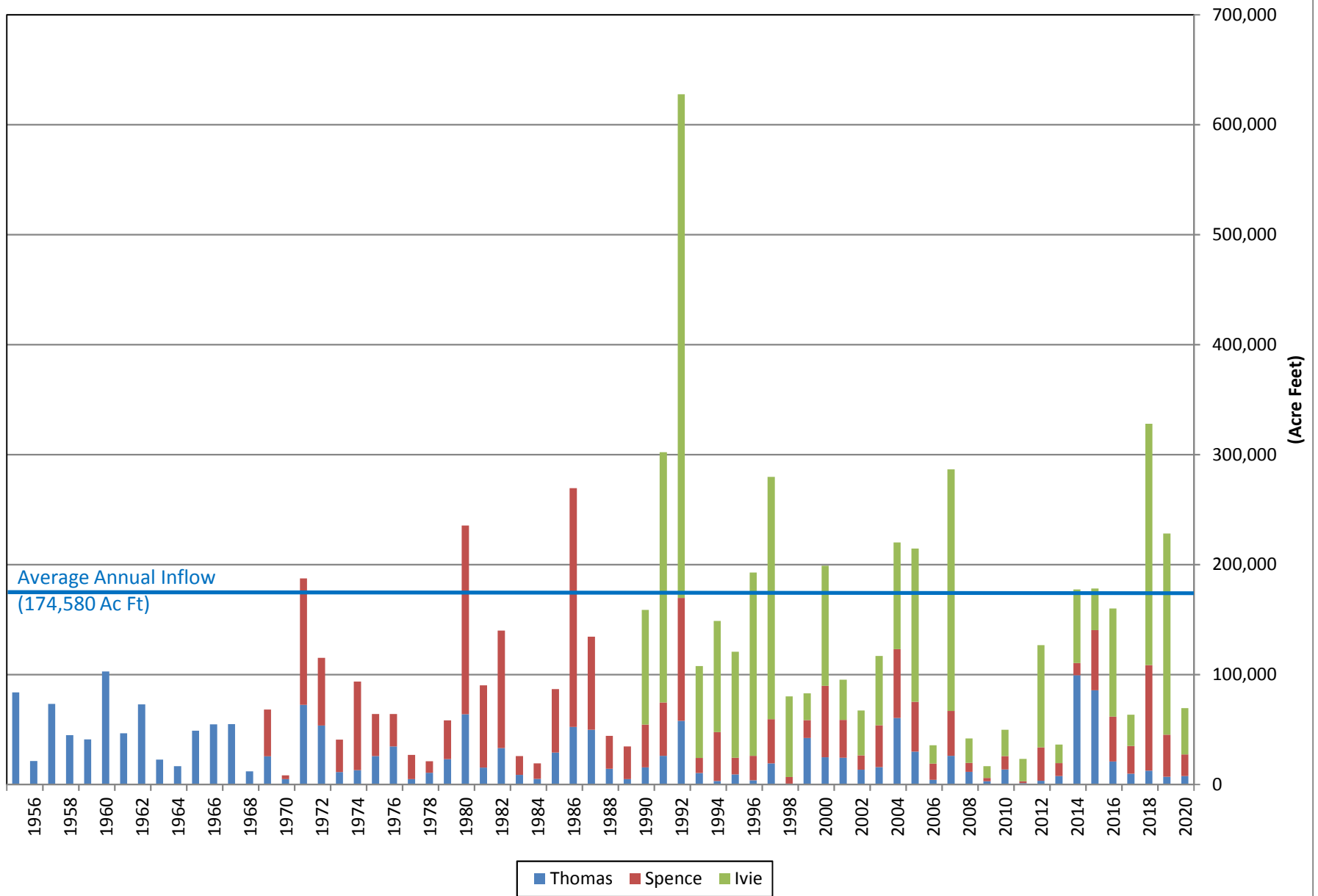
Annual Historical Data

COLORADO RIVER MUNICIPAL WATER DISTRICT

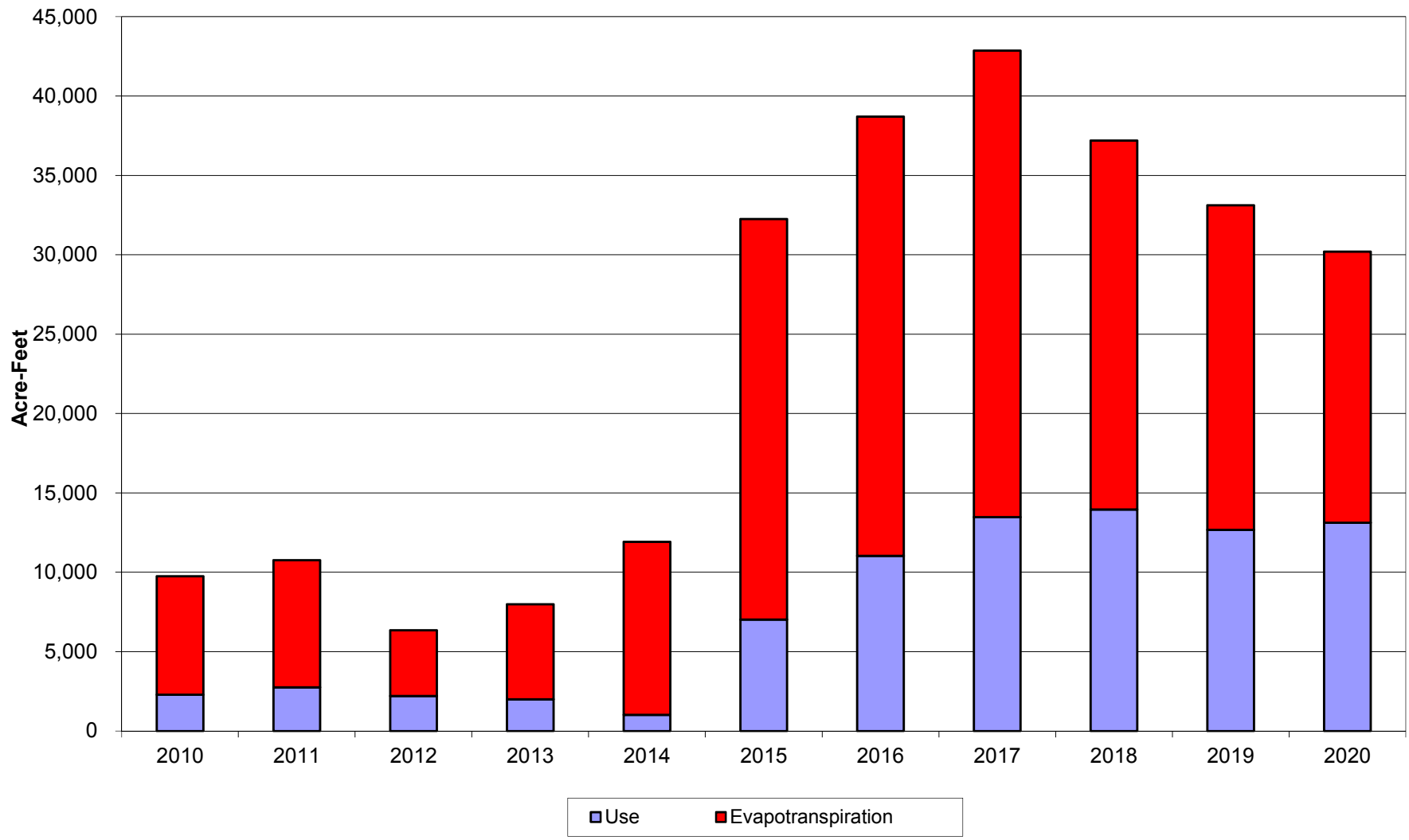
RESERVOIR INFLOW SUMMARY

Calendar Year	J.B. Thomas (AC-FT)	E.V. Spence (AC-FT)	O.H. Ivie (AC-FT)	Total (AC-FT)
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	29,139	44,156	101,285	174,580

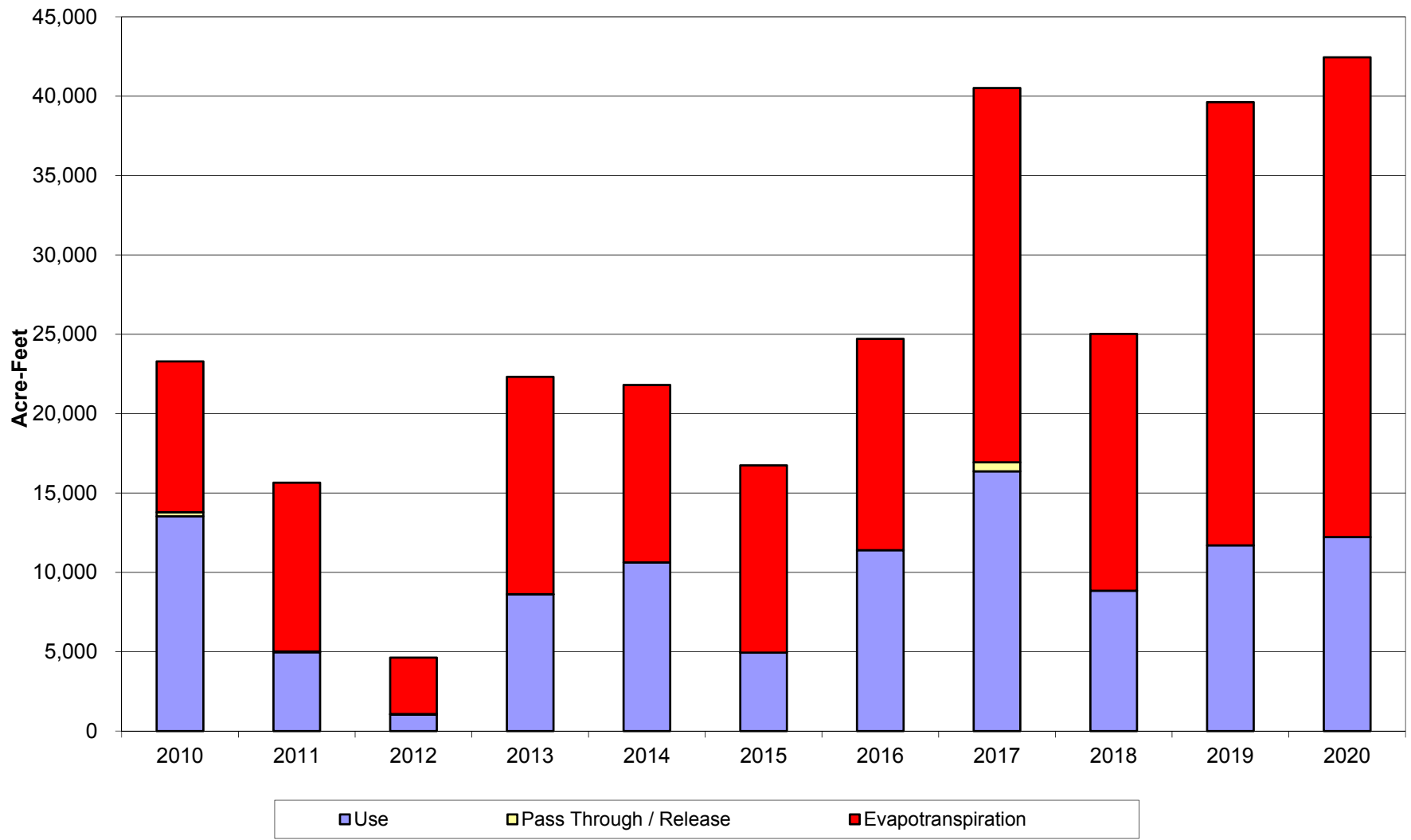
Combined Inflow (1955 through 2020)



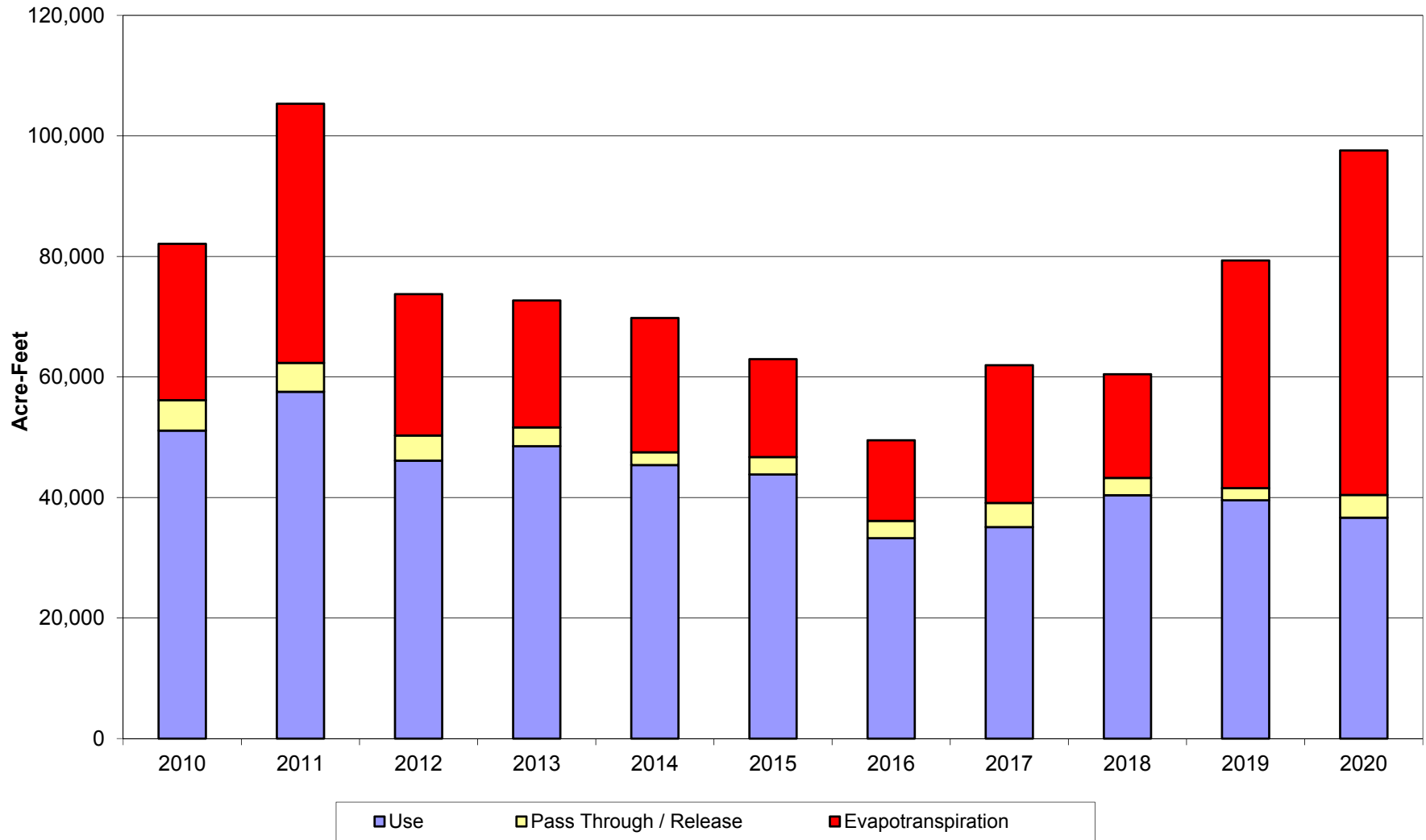
Lake J.B. Thomas
January 2010 thru December 2020



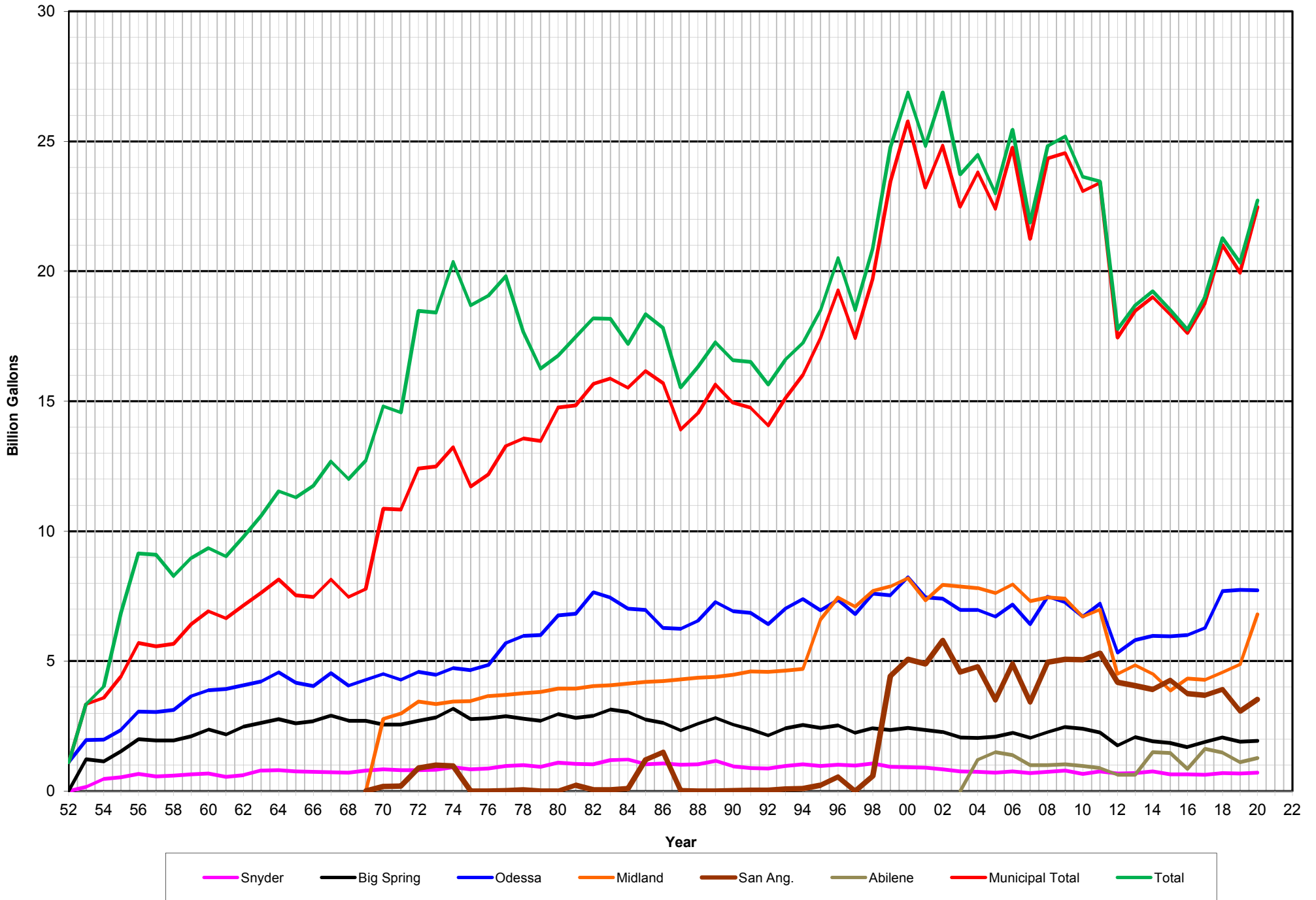
**E.V. Spence Reservoir
January 2010 thru December 2020**



O.H. Ivie Reservoir
January 2010 thru December 2020



Colorado River Municipal Water District Historical Water Delivery - FY 1952 - 2020



Colorado River Municipal Water District Source of Supply January 1962 through December 2020

