



Monthly Water Report

October 2020

COLORADO RIVER MUNICIPAL WATER DISTRICT

PO Box 869, 400 East 24th Street

Big Spring, Texas 79721-0869

**Colorado River Municipal Water District
Water Delivered
October 2020**

Raw Water System

Member Cities	Total Deliveries This Month (Gal)	Daily Average For Month (Gal)	2020 Year to Date (Gal)
Big Spring	168,262,000	5,427,806	1,645,332,000
Odessa	720,063,700	23,227,861	6,823,809,300
Snyder	60,907,000	1,964,742	596,301,000
Subtotal	949,232,700	30,620,410	9,065,442,300

Municipal Customers

Grandfalls	0	0	225,000
Midland - 1966 Contract	475,469,000	15,337,710	3,687,081,100
Midland - Ivie Contract	100,221,000	3,232,935	2,225,185,000
Millersview Doole WSC	36,359,200	1,172,877	326,565,600
San Angelo - Spence	0	0	0
San Angelo - Ivie	178,341,000	5,752,935	3,531,607,000
Stanton	8,923,400	287,852	81,236,500
Abilene	120,434,000	3,884,968	1,063,105,000
Subtotal	919,747,600	29,669,277	10,915,005,200

Industrial Customers

Alon Rural Meters	4,871,830	157,156	52,983,560
Luminant Generation	1,000,000	32,258	3,329,000
Occidental	630	20	90,950
Parallel Petroleum	40,080	1,293	429,840
Power Resources	16,227,000	523,452	118,954,000
Subtotal	22,139,540	714,179	175,787,350

Diverted Water System

Industrial Customers

BASA Resources	6,613,300	213,332	67,397,000
Sabinal	200	6	36,700
Rover Operating	572,090	18,455	3,394,280
Fleur de Lis Energy	0	0	1,813,830
Subtotal	7,185,590	231,793	72,641,810

Total Deliveries	1,898,305,430	61,235,659	20,228,876,660
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**COLORADO RIVER MUNICIPAL WATER DISTRICT
RESERVOIR REPORT
October 2020**

<u>Lake J. B. Thomas</u>	<u>This Month</u>	<u>2020 Year-to-Date Total</u>
<i><u>CONTENTS IN ACRE FEET</u></i>		
CAPACITY WHEN FULL	200,604	
CAPACITY THIS DATE	32,671	
PERCENT FULL	16.29%	
FREE CAPACITY THIS DATE	167,933	
INFLOWS*	0	7,353
PASS THROUGH / RELEASES	0	0
WITHDRAWALS	1,174	11,142
EVAPORATION*	(1,518)	(14,929)

<i><u>ELEVATION ABOVE MEAN SEA LEVEL</u></i>		
ELEVATION WHEN FULL	2,258.00	
ELEVATION THIS DATE	2,223.36	

E. V. Spence Reservoir

<i><u>CONTENTS IN ACRE FEET</u></i>		
CAPACITY WHEN FULL	517,272	
CAPACITY THIS DATE	122,132	
PERCENT FULL	23.61%	
FREE CAPACITY THIS DATE	395,140	
INFLOWS*	0	18,916
PASS THROUGH / RELEASES	0	508
WITHDRAWALS	1,440	9,456
EVAPORATION*	(2,794)	(27,186)

<i><u>ELEVATION ABOVE MEAN SEA LEVEL</u></i>		
ELEVATION WHEN FULL	1,898.00	
ELEVATION THIS DATE	1,858.57	

**COLORADO RIVER MUNICIPAL WATER DISTRICT
RESERVOIR REPORT
October 2020**

	<u>This Month</u>	<u>2020 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	340,123	
PERCENT FULL	61.36%	
FREE CAPACITY THIS DATE	214,217	
INFLOWS*	0	39,496
PASS THROUGH / RELEASES	158	3,479
WITHDRAWALS	1,923	34,735
SPILLS	0	0
EVAPORATION*	(7,214)	(51,940)
<i><u>ELEVATION ABOVE MEAN SEA LEVEL</u></i>		
ELEVATION WHEN FULL	1,551.50	
ELEVATION THIS DATE	1,538.47	

Moss Creek Lake

<i><u>CONTENTS IN ACRE FEET</u></i>		
CAPACITY WHEN FULL	3,441	
CAPACITY THIS DATE	1,995	
PERCENT FULL	57.98%	
FREE CAPACITY THIS DATE	1,446	
INFLOWS*	20	362
PASS THROUGH / RELEASES	0	0
WITHDRAWALS	(94)	(161)
SPILLS	0	0
EVAPORATION*	(40)	(634)
<i><u>ELEVATION ABOVE MEAN SEA LEVEL</u></i>		
ELEVATION WHEN FULL	2,336.50	
ELEVATION THIS DATE	2,326.32	

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	2,223.36	32,671	7,353	11,142	0	(14,929)
E.V. Spence Reservoir	1,858.57	122,132	18,916	9,456	508	(27,186)
O.H. Ivie Reservoir	1,538.47	340,123	39,496	34,735	3,479	(51,940)
Moss Creek Lake	2,326.32	1,995	362	(161)	0	(634)
	Total	496,921	66,127	55,172	3,987	(94,689)

* Inflow and Evaporation are approximate.

**COLORADO RIVER MUNICIPAL WATER DISTRICT
 DIVERTED / WATER QUALITY ENHANCEMENT SYSTEM
 RESERVOIRS REPORT
 October 2020**

<u>Natural Dam</u>	<u>This Month</u>	<u>2020 Year-to-Date Total</u>
<u>CONTENTS IN ACRE FEET</u>		
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*	(397)	(6,143)
 <u>ELEVATION ABOVE MEAN SEA LEVEL</u>		
ELEVATION WHEN FULL	2,457.00	
ELEVATION THIS DATE	2,435.00	
 <u>Sulphur Draw Reservoir</u>		
<u>CONTENTS IN ACRE FEET</u>		
CAPACITY WHEN FULL	7,997	
CAPACITY THIS DATE	574	
PERCENT FULL	7.18%	
FREE CAPACITY THIS DATE	7,423	
INFLOWS*	0	1,608
PASS THROUGH / RELEASES	0	0
EVAPORATION*	(63)	(1,147)
 <u>ELEVATION ABOVE MEAN SEA LEVEL</u>		
ELEVATION WHEN FULL	2,541.00	
ELEVATION THIS DATE	2,525.52	

**COLORADO RIVER MUNICIPAL WATER DISTRICT
 DIVERTED / WATER QUALITY ENHANCEMENT SYSTEM
 RESERVOIRS REPORT
 October 2020**

	<u>This Month</u>	<u>2020 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	1,605	
PERCENT FULL	64.12%	
FREE CAPACITY THIS DATE	898	
INFLOWS*	0	1,215
WIER FLOW	0	1
PUMPED IN	0	133
WITHDRAWALS	0	0
SPILLS	0	0
EVAPORATION*	(50)	(636)
<i><u>ELEVATION ABOVE MEAN SEA LEVEL</u></i>		
ELEVATION WHEN FULL	2,097.00	
ELEVATION THIS DATE	2,091.80	
<u>Red Draw</u>		
<i><u>CONTENTS IN ACRE FEET</u></i>		
CAPACITY WHEN FULL	8,538	
CAPACITY THIS DATE	3,490	
PERCENT FULL	40.88%	
FREE CAPACITY THIS DATE	5,048	
INFLOWS*	6	2272
PUMPED IN	15	1118
WITHDRAWALS	0	1
SPILLS	0	0
EVAPORATION*	(67)	(956)
<i><u>ELEVATION ABOVE MEAN SEA LEVEL</u></i>		
ELEVATION WHEN FULL	2,445.00	
ELEVATION THIS DATE	2,427.36	

**COLORADO RIVER MUNICIPAL WATER DISTRICT
 DIVERTED / WATER QUALITY ENHANCEMENT SYSTEM
 RESERVOIRS REPORT
 October 2020**

<u>Mitchell County</u>	<u>This Month</u>	<u>2020 Year-to-Date Total</u>
<u>CONTENTS IN ACRE FEET</u>		
CAPACITY WHEN FULL	27,266	
CAPACITY THIS DATE	3,359	
PERCENT FULL	12.32%	
FREE CAPACITY THIS DATE	23,907	
INFLOWS*	0	0
SPILLS	0	0
TRANSFERS IN	0	(1)
EVAPORATION*	(108)	(2,356)
<u>ELEVATION ABOVE MEAN SEA LEVEL</u>		
ELEVATION WHEN FULL	2,200.00	
ELEVATION THIS DATE	2,172.00	

Diverted / Water Quality Enhancement System Summary				
Reservoir	Elevation	Capacity	Year to Date Inflow (Acre Feet)	Year to Date Evaporation (Acre Feet)
Natural Dam	2,435.00	5,140	0	(6,143)
Sulphur Draw	2,525.52	574	1,608	(1,147)
Barber Lake	2,091.80	1,605	1,215	(636)
Red Draw	2,427.36	3,490	2,272	(956)
Mitchell County Reservoir	2,172.00	3,359	0	(2,356)
Total		14,168	5,095	(11,238)

* Inflow and Evaporation are approximate.

Water Quality Diversions		
Source	Current Month (Acre Feet)	Year to Date (Acre Feet)
Colorado River	0	133
Beals Creek	55	425
Total	55	557

**COLORADO RIVER MUNICIPAL WATER DISTRICT
GROUNDWATER REPORT
October 2020**

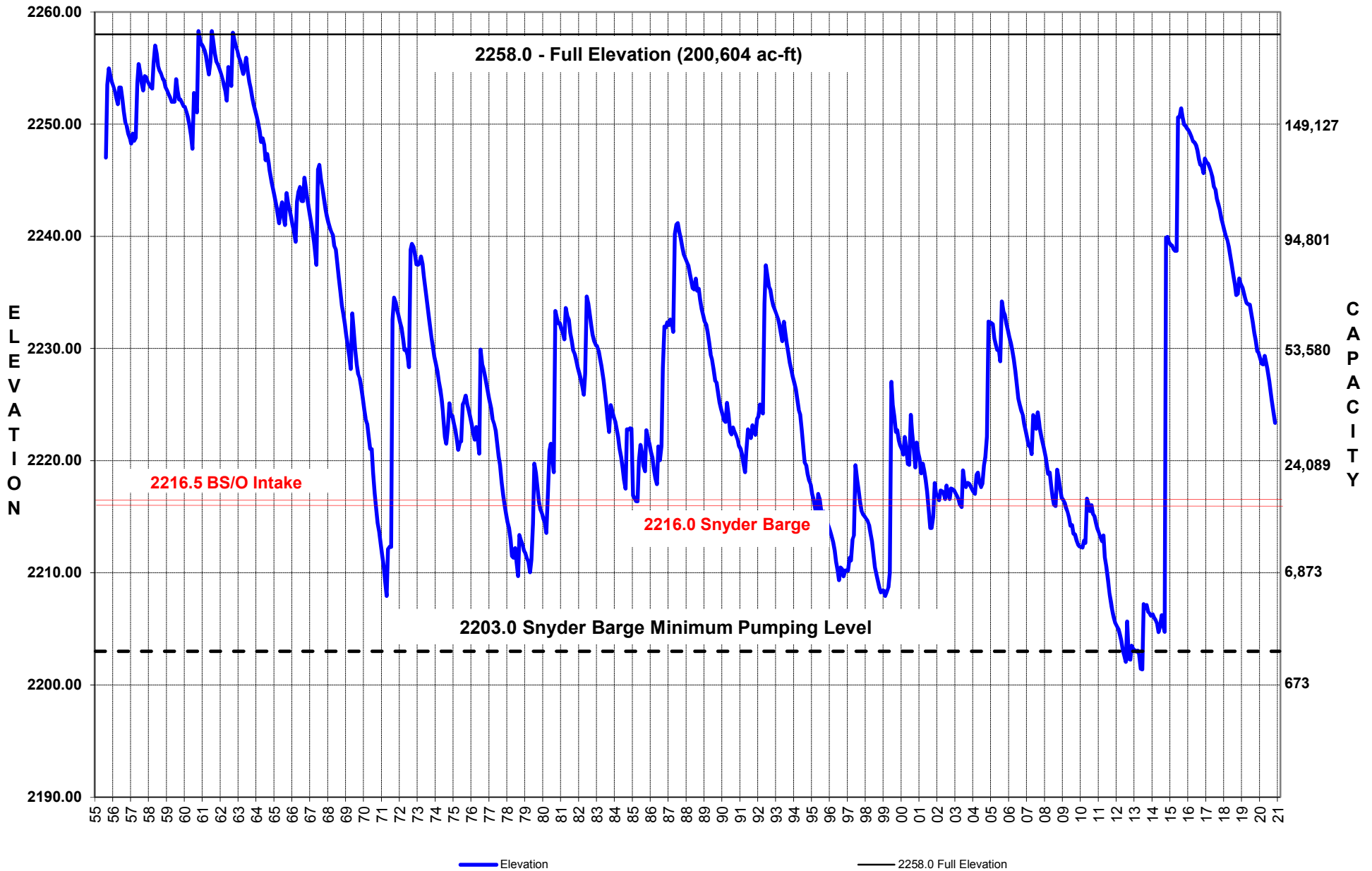
<u>Well Field</u>	<u>Production This Month (Gallons)</u>	<u>Daily Average for Month (Gal)</u>	<u>2020 Production Year-to-Date (Gallons)</u>
Ward County North Well Field	349,903,000	11,287,194	1,690,209,600
Ward County South Well Field	79,000	2,548	98,567,000
Odessa Well Field (Out of Service)	0	0	0
Martin County Well Field	7,560,460	243,886	126,709,799
Snyder Well Field	0	0	0
Total	357,542,460	11,533,628	1,915,486,399

**BIG SPRING RAW WATER PRODUCTION FACILITY
PRODUCTION REPORT
October 2020**

	<u>Production This Month (Gallons)</u>	<u>Daily Average for Month (Gal)</u>	<u>2020 Production Year-to-Date (Gallons)</u>
Big Spring Raw Water Production Facility	38,800,000	1,251,613	298,760,000

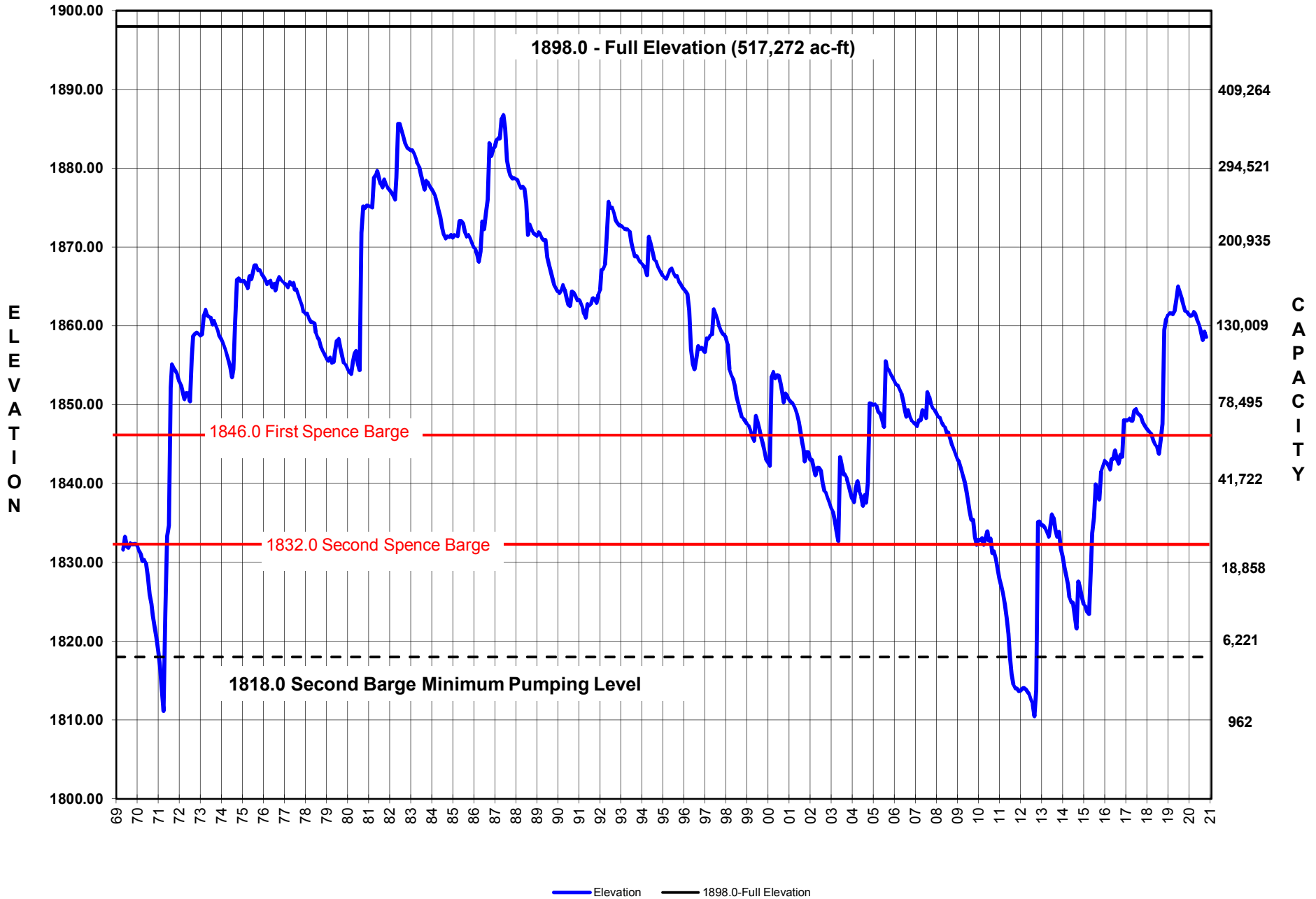
LAKE J.B. THOMAS

Elevation August 1955 - October 2020



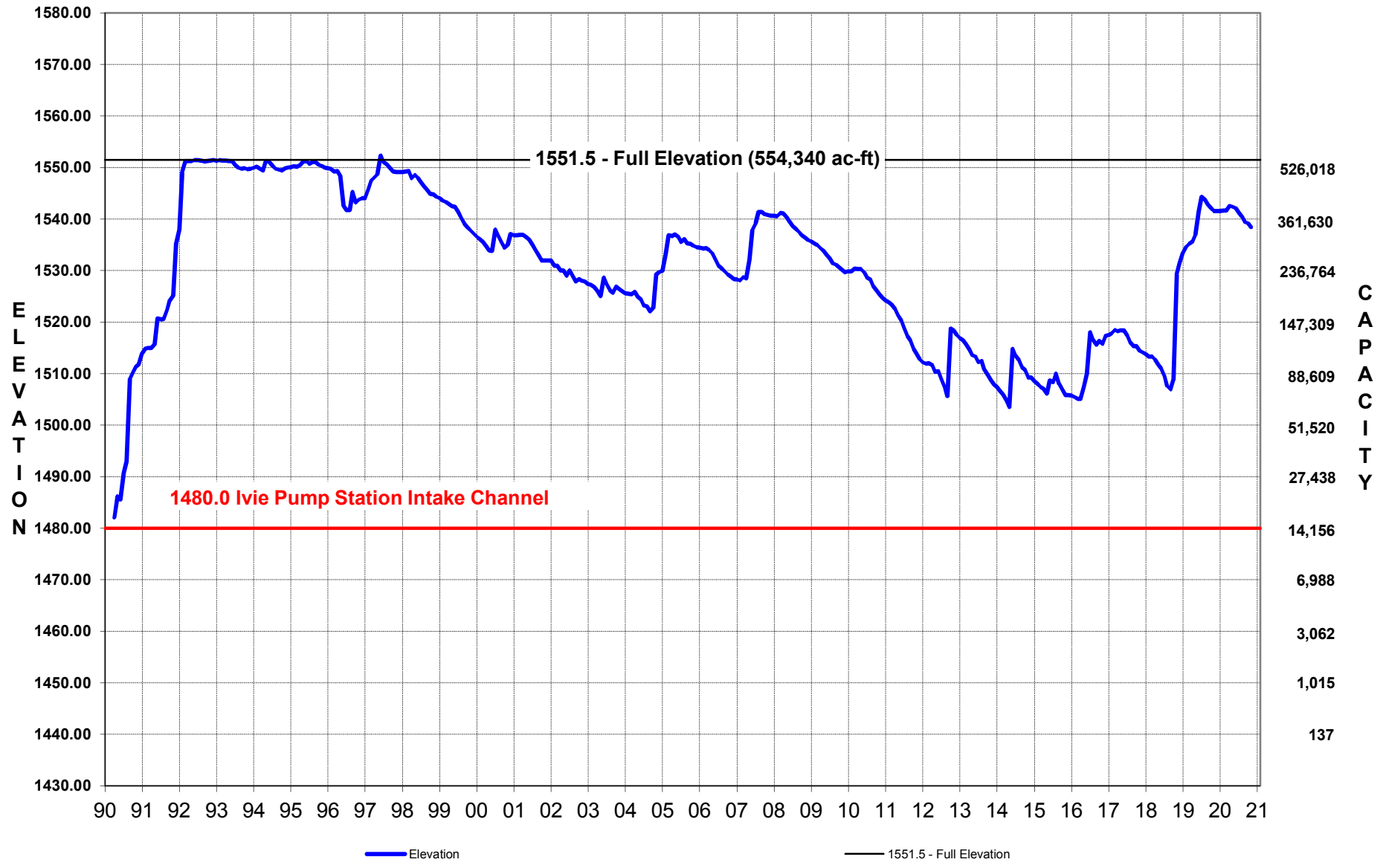
E.V. SPENCE RESERVOIR

Elevation May 1969 - October 2020



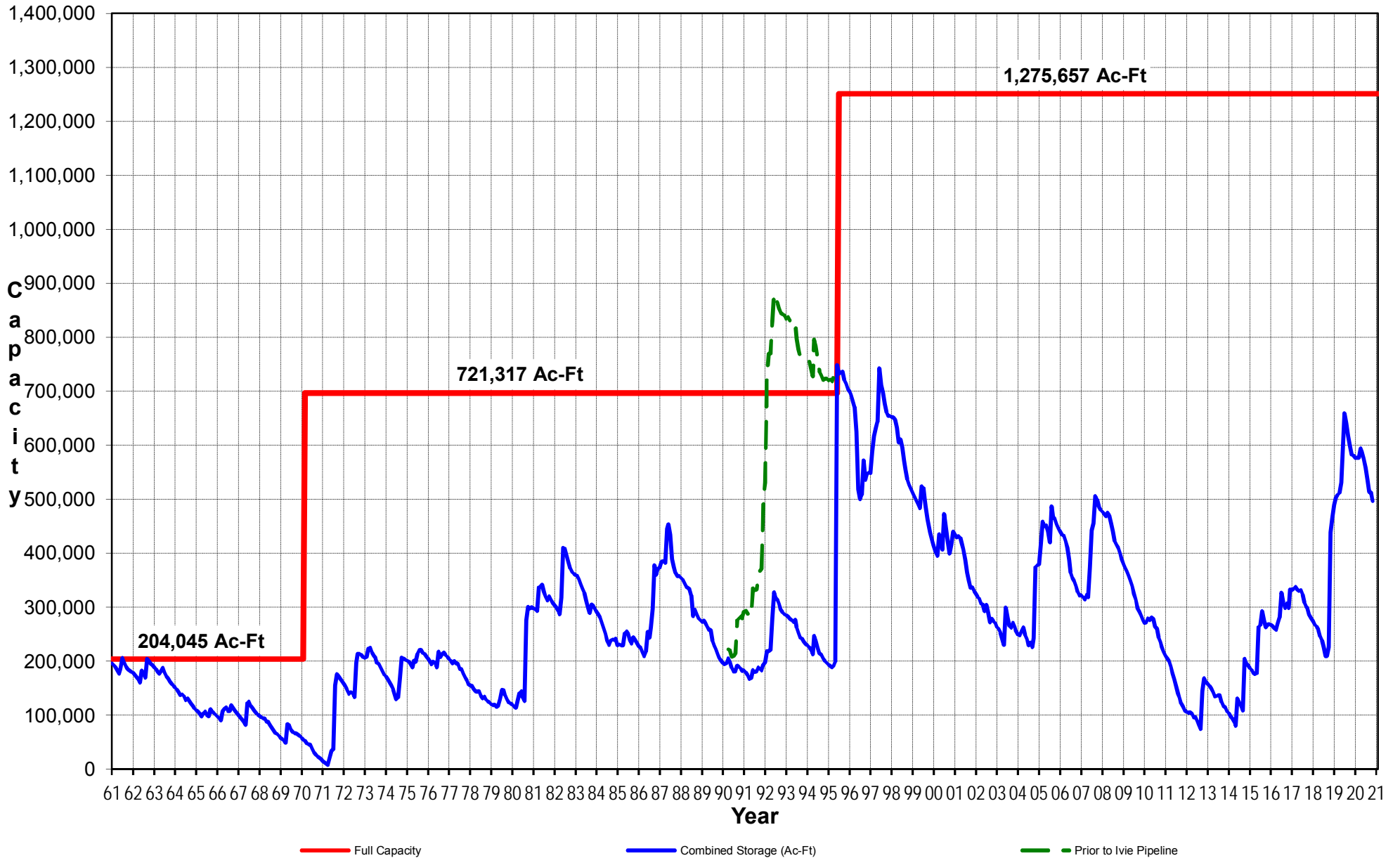
O.H. IVIE RESERVOIR

Elevation April 1990 - October 2020



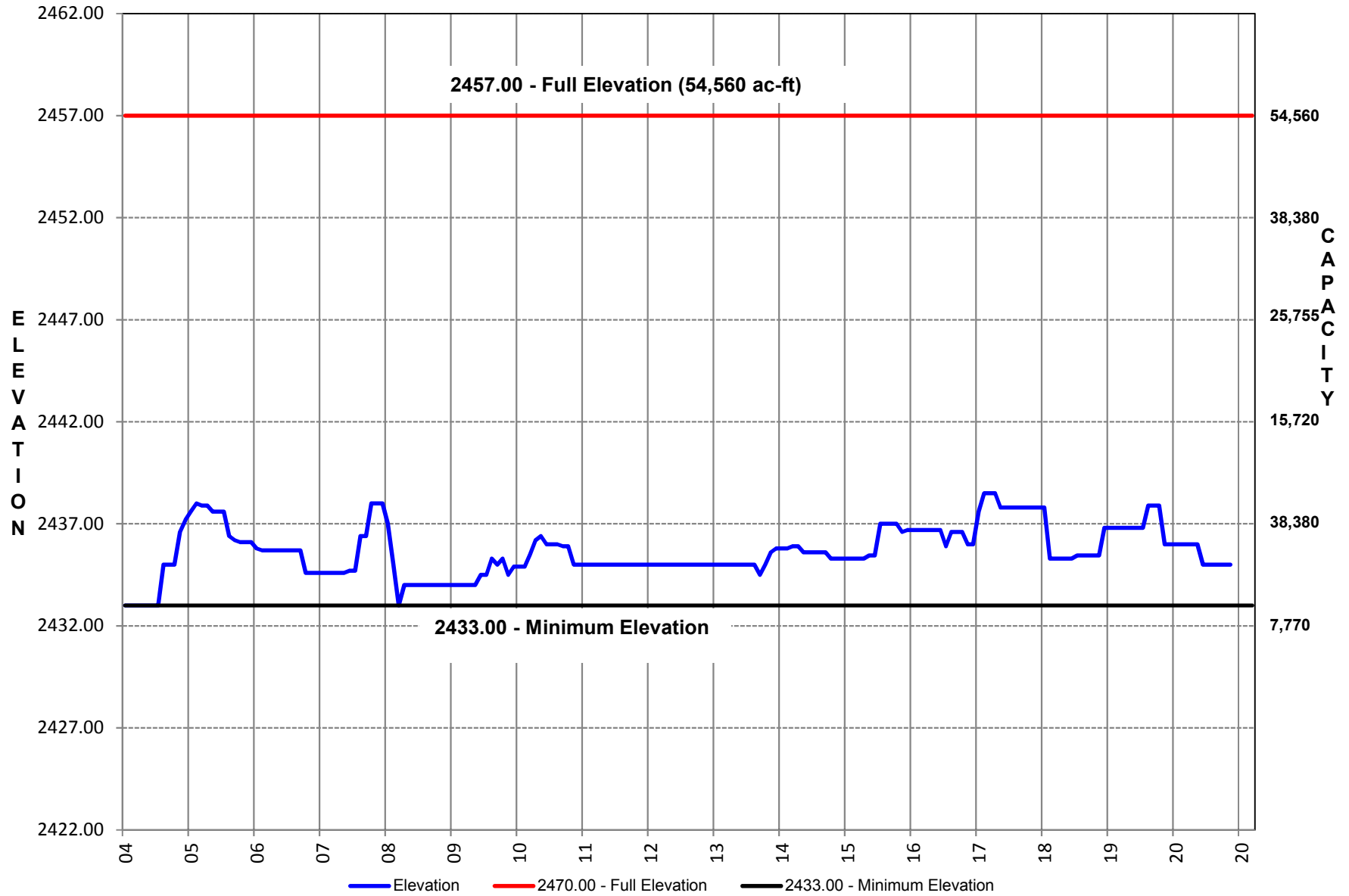
COLORADO RIVER MUNICIPAL WATER DISTRICT

COMBINED STORAGE Thomas, Spence, Moss, Ivie



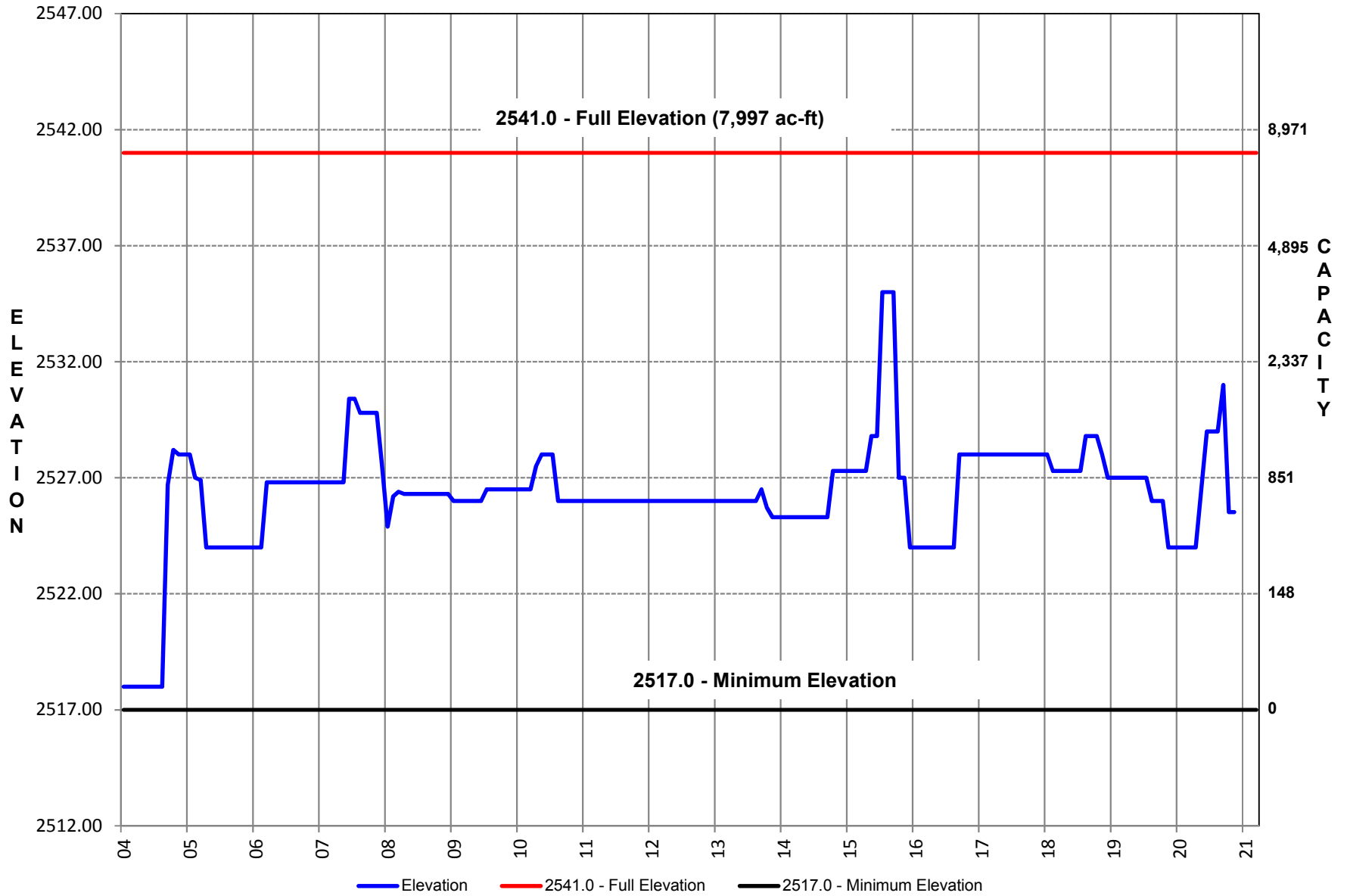
Natural Dam Reservoir

Elevation January 2004 - October 2020



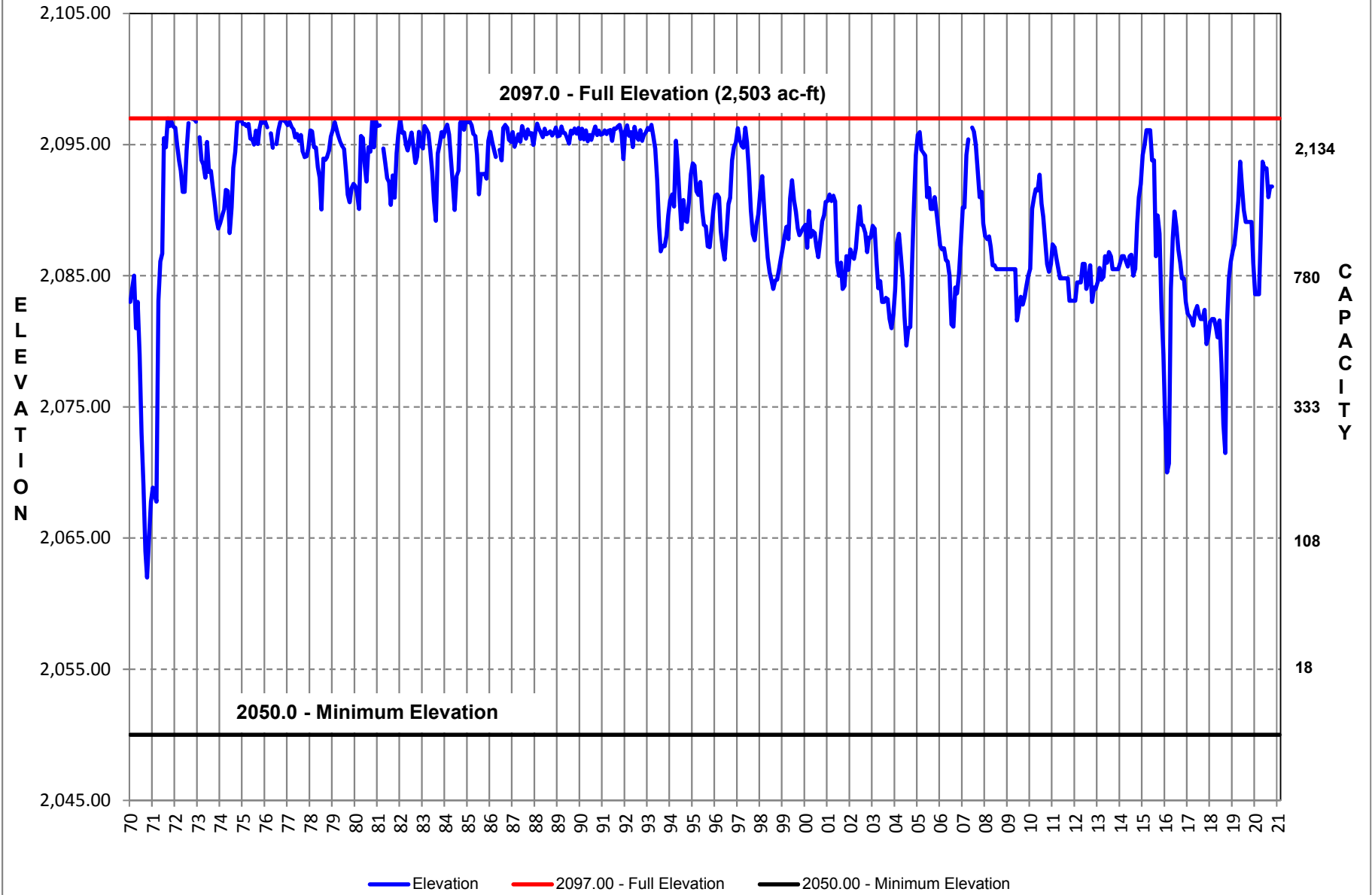
Sulphur Draw Reservoir

Elevation January 2004 - October 2020



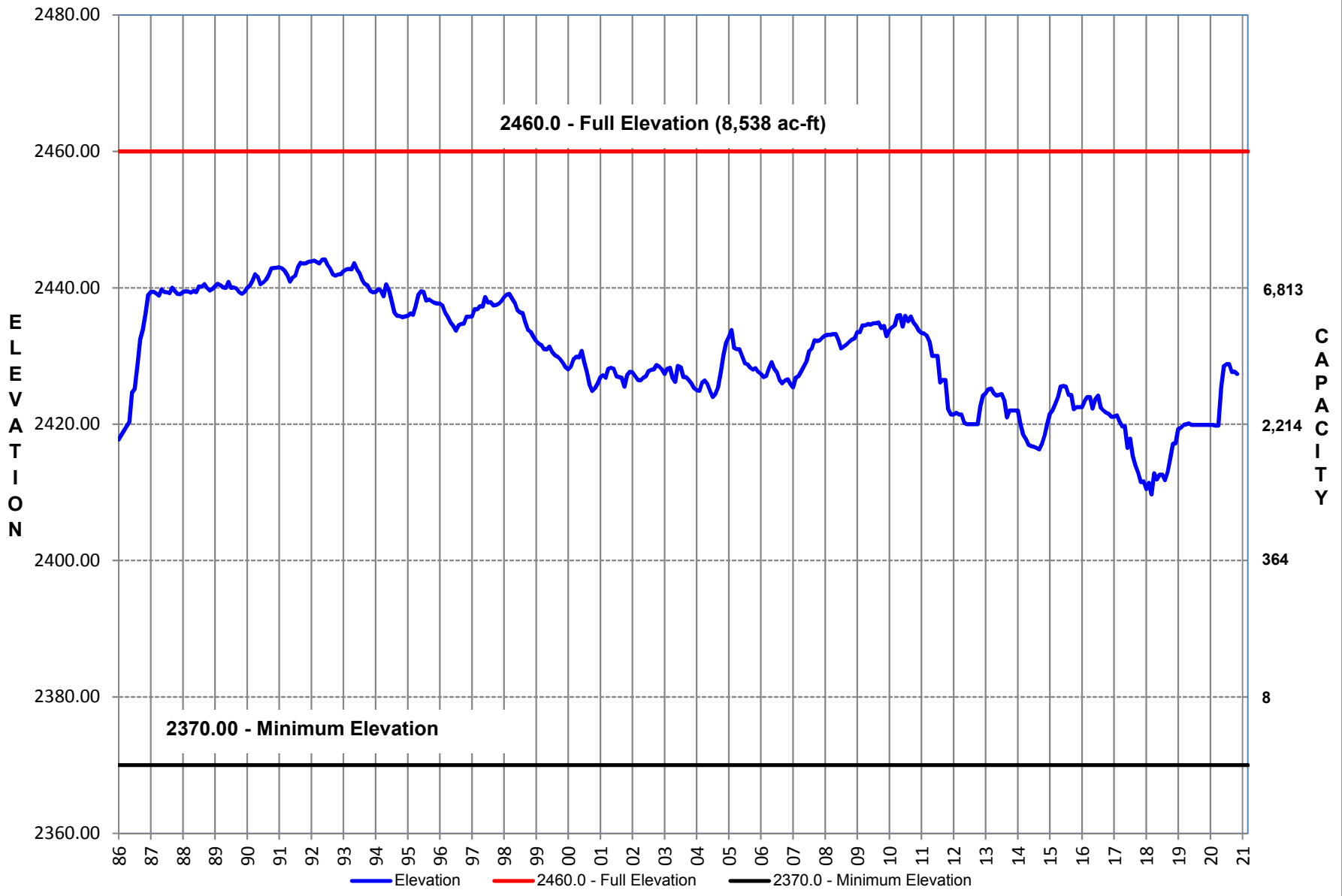
Barber Lake

Elevation February 1970 - October 2020



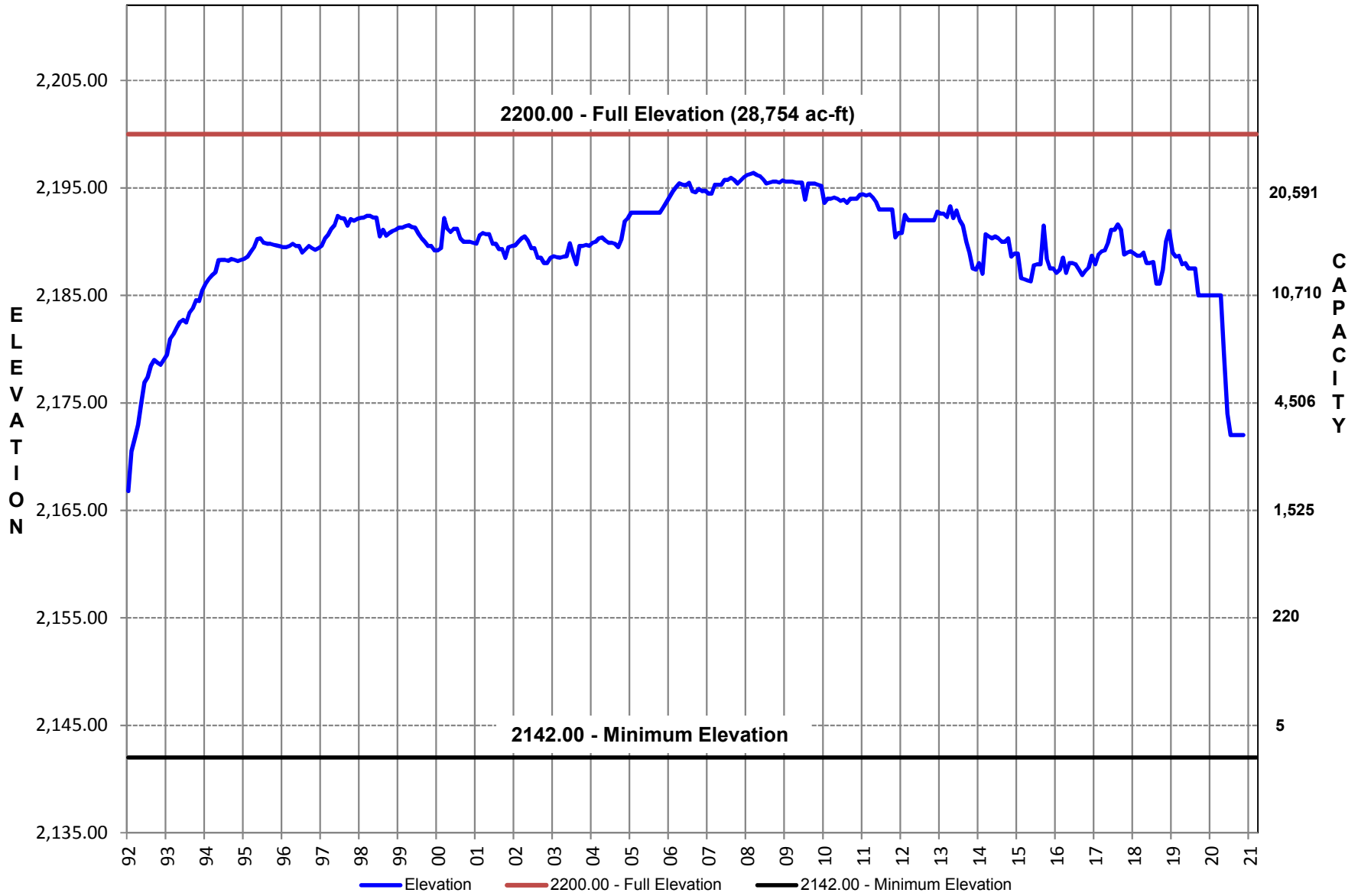
Red Draw

Elevation January 1986 - October 2020



Mitchell County Reservoir

Elevation January 1992 - October 2020



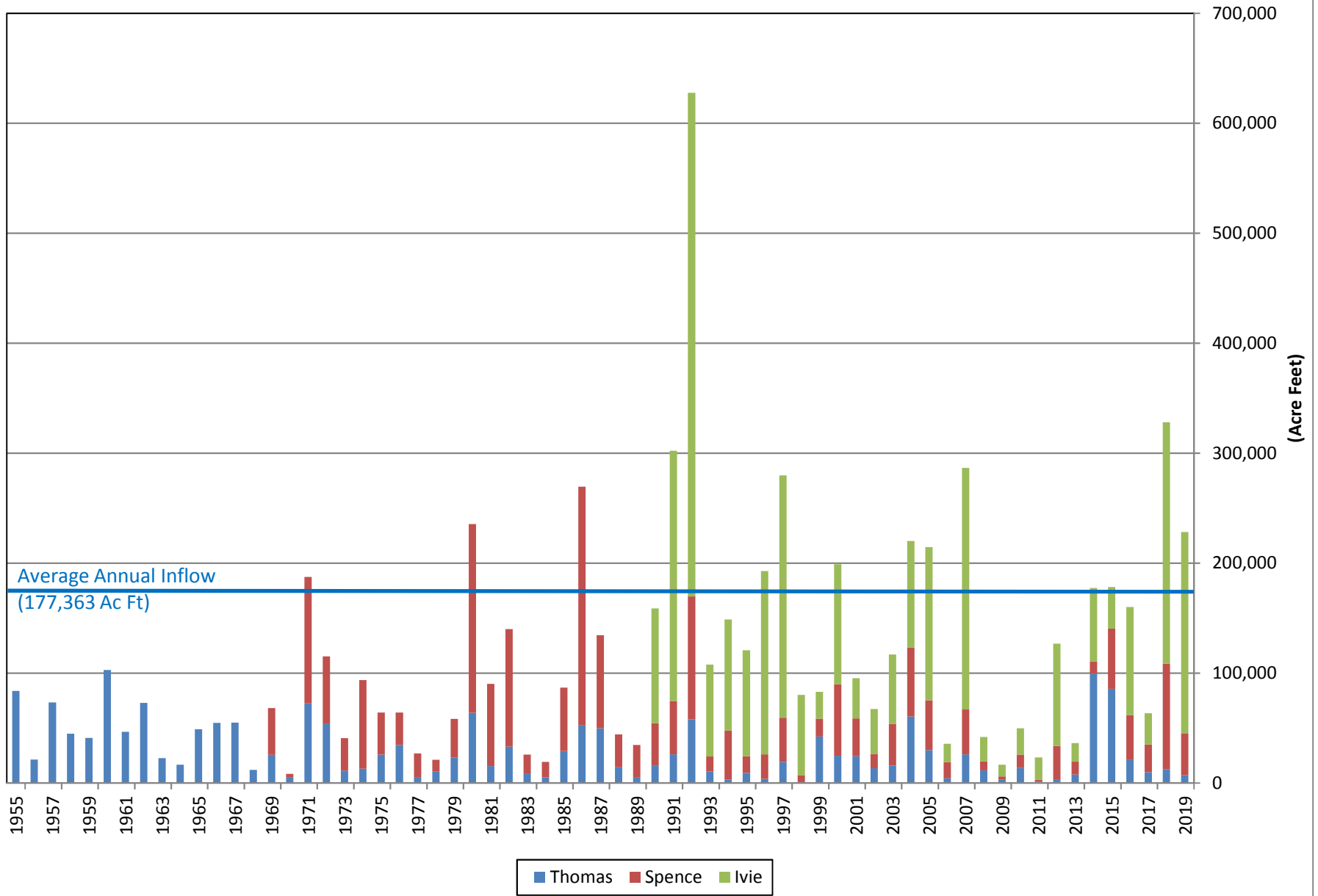
Annual Historical Data

COLORADO RIVER MUNICIPAL WATER DISTRICT

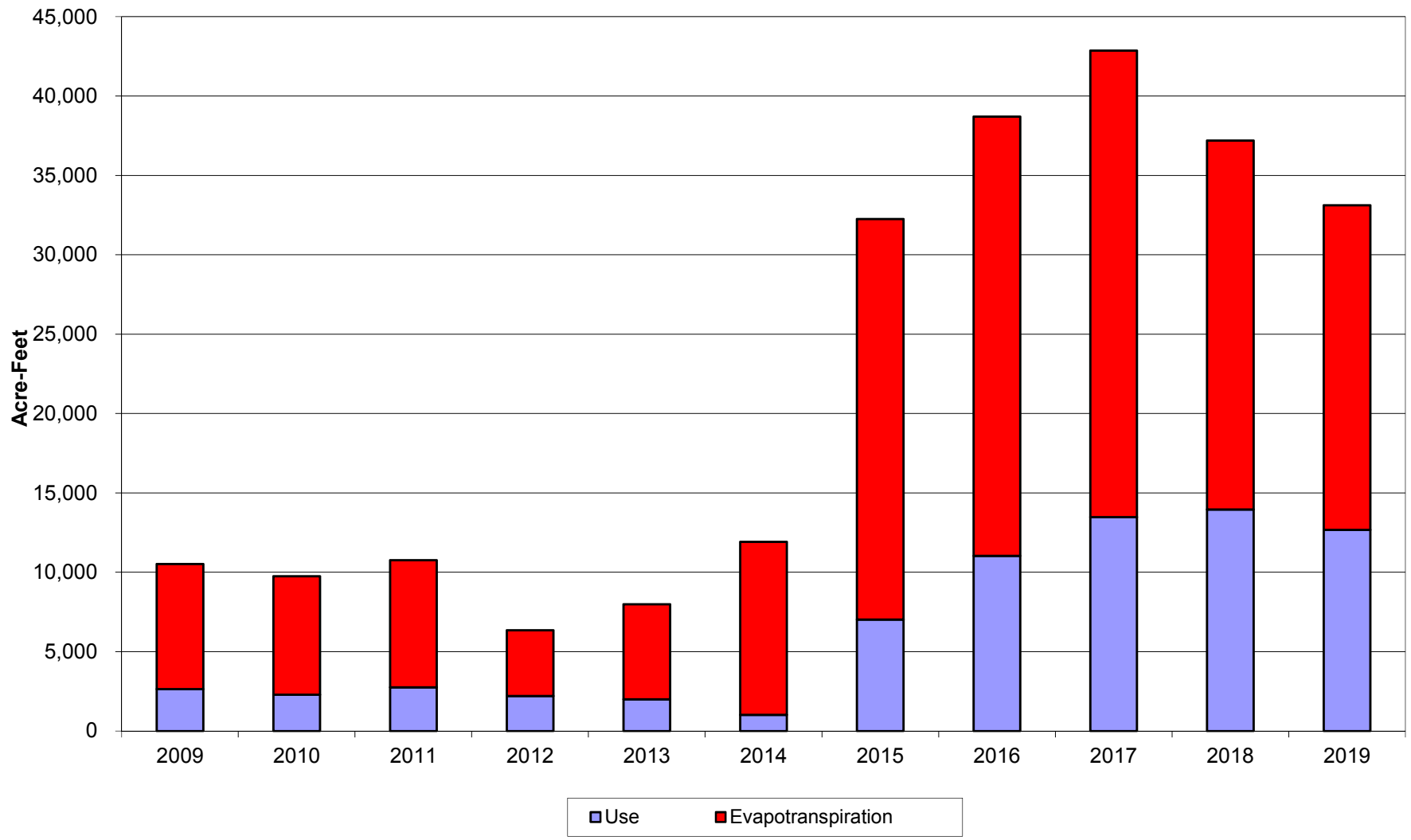
RESERVOIR INFLOW SUMMARY

Calendar Year	J.B. Thomas (AC-FT)	E.V. Spence (AC-FT)	O.H. Ivie (AC-FT)	Total (AC-FT)
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	29,468	44,636	103,259	177,363

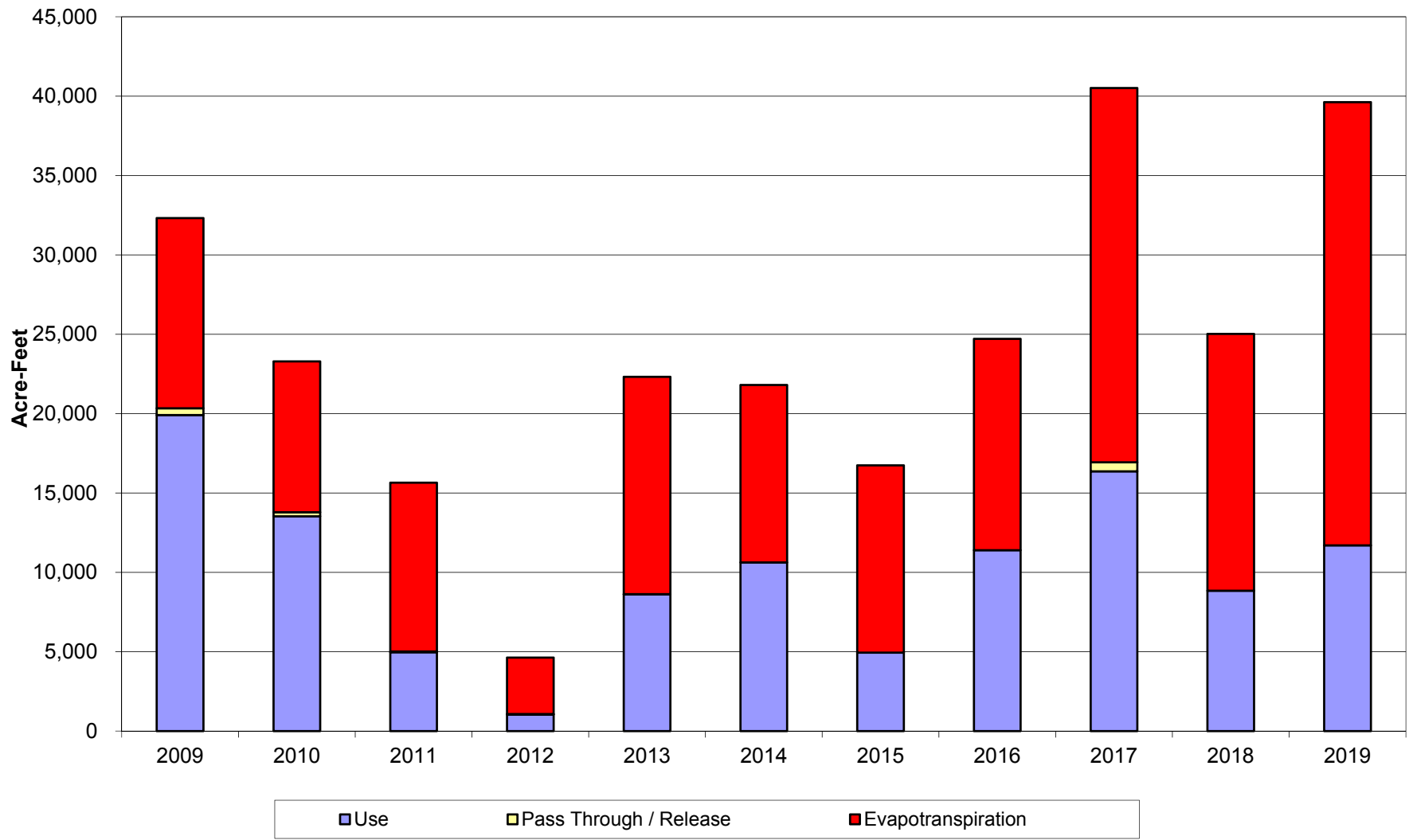
Combined Inflow (1955 through 2019)



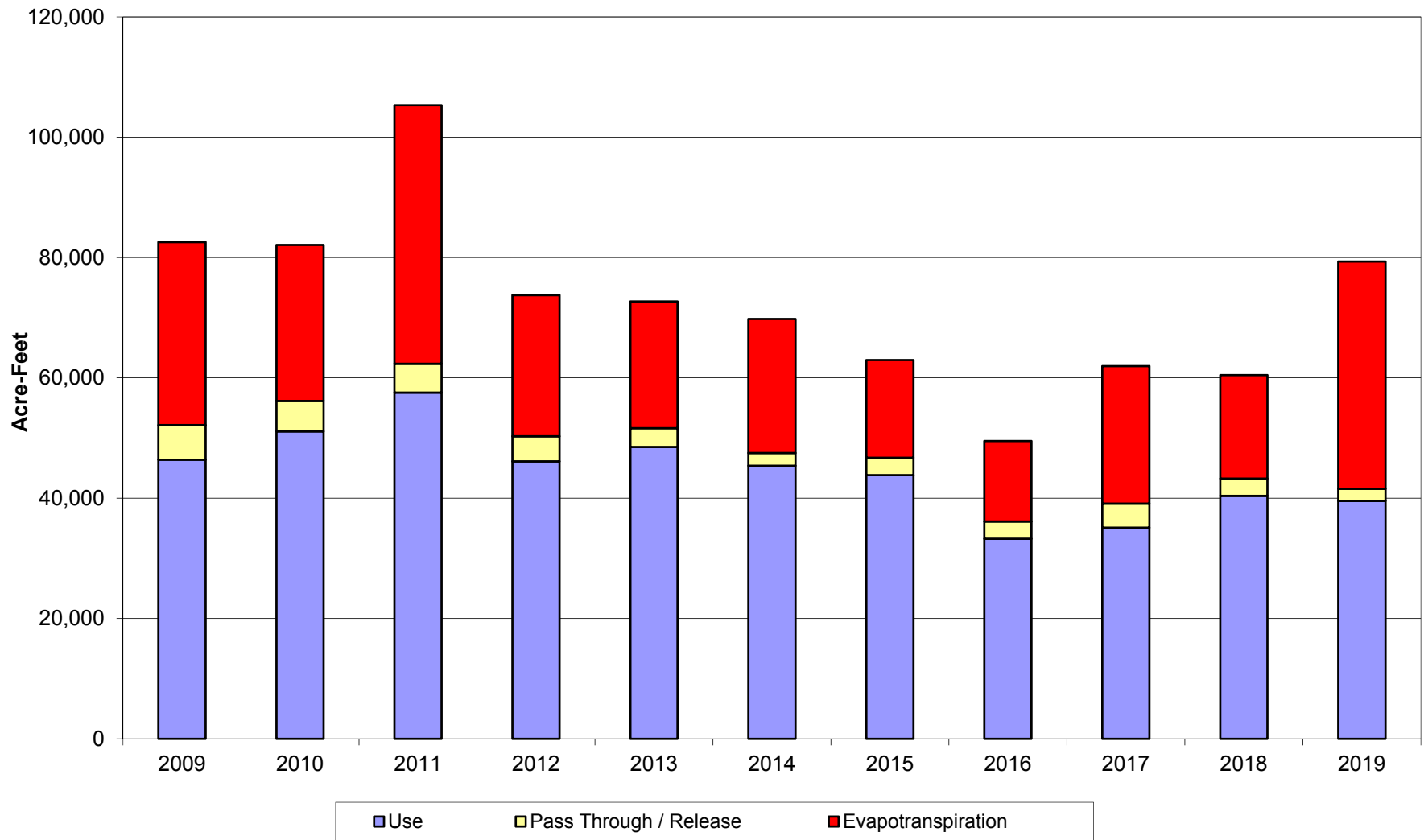
Lake J.B. Thomas
January 2009 thru December 2019



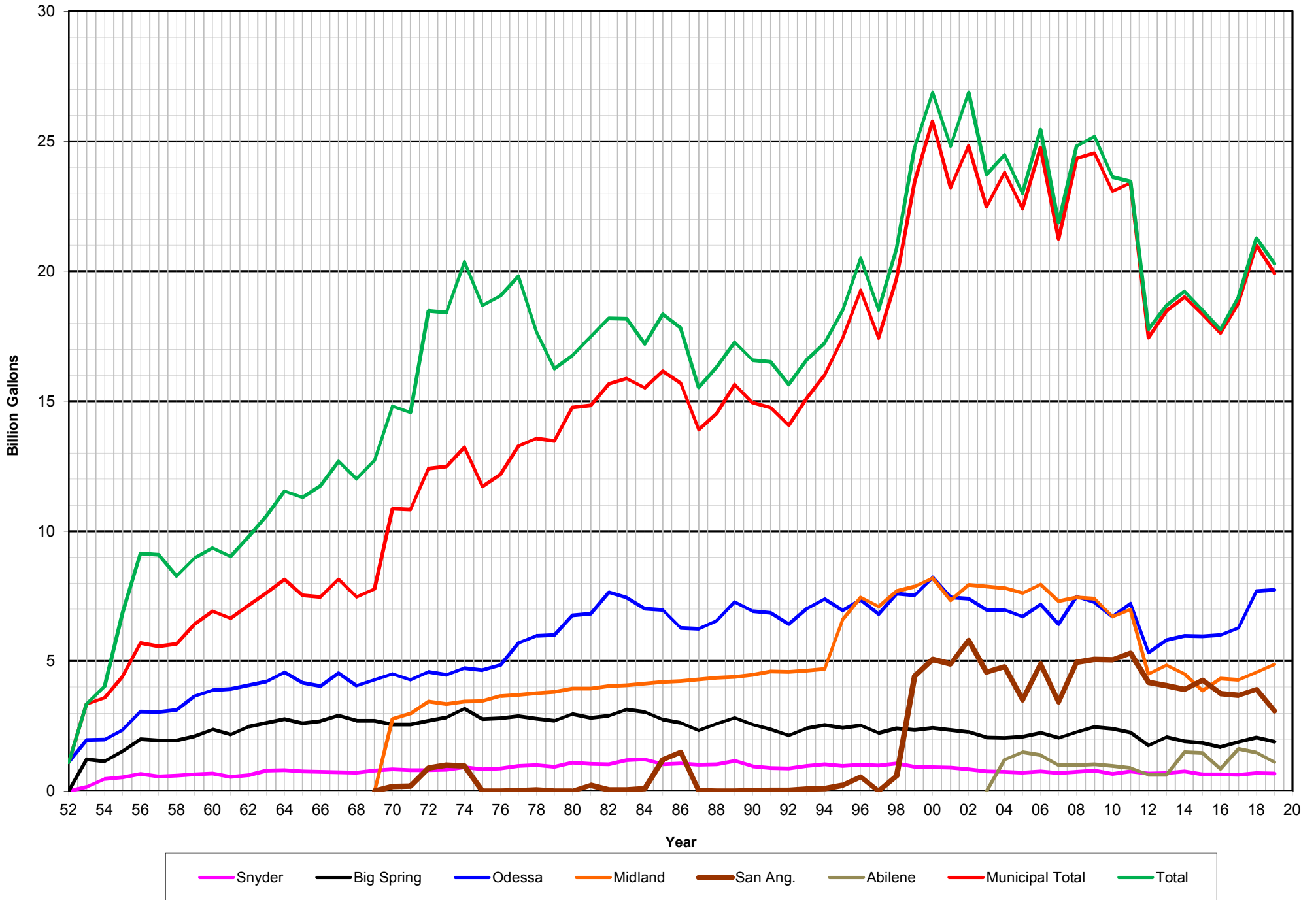
**E.V. Spence Reservoir
January 2009 thru December 2019**



O.H. Ivie Reservoir
January 2009 thru December 2019



Colorado River Municipal Water District Historical Water Delivery - FY 1952 - 2019



Colorado River Municipal Water District Source of Supply January 1962 through December 2019

