



*Colorado River Municipal Water District*

# Monthly Water Report

November 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  
November 2020**

**Raw Water System**

<b>Member Cities</b>	<b>Total Deliveries This Month (Gal)</b>	<b>Daily Average For Month (Gal)</b>	<b>2020 Year to Date (Gal)</b>
Big Spring	146,116,000	4,870,533	1,791,448,000
Odessa	499,538,900	16,651,297	7,323,348,200
Snyder	53,630,000	1,787,667	649,931,000
Subtotal	<u>699,284,900</u>	<u>23,309,497</u>	<u>9,764,727,200</u>

**Municipal Customers**

Grandfalls	0	0	225,000
Midland - 1966 Contract	441,848,000	14,728,267	4,128,929,100
Midland - Ivie Contract	0	0	2,225,185,000
Millersview Doole WSC	34,671,200	1,155,707	361,236,800
San Angelo - Spence	0	0	0
San Angelo - Ivie	0	0	3,531,607,000
Stanton	7,079,500	235,983	88,316,000
Abilene	102,812,000	3,427,067	1,165,917,000
Subtotal	<u>586,410,700</u>	<u>19,547,023</u>	<u>11,501,415,900</u>

**Industrial Customers**

Alon Rural Meters	3,209,310	106,977	56,192,870
Luminant Generation	0	0	3,329,000
Occidental	350	12	91,300
Parallel Petroleum	25,620	854	455,460
Power Resources	2,442,000	81,400	121,396,000
Subtotal	<u>5,677,280</u>	<u>189,243</u>	<u>181,464,630</u>

**Diverted Water System**

**Industrial Customers**

BASA Resources	5,298,600	176,620	72,695,600
Sabinal	0	0	36,700
Rover Operating	825,110	27,504	4,219,390
Fleur de Lis Energy	0	0	1,813,830
Subtotal	<u>6,123,710</u>	<u>204,124</u>	<u>78,765,520</u>

<b>Total Deliveries</b>	<b>1,297,496,590</b>	<b>43,249,886</b>	<b>21,526,373,250</b>
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**COLORADO RIVER MUNICIPAL WATER DISTRICT  
RESERVOIR REPORT  
November 2020**

	<u>This Month</u>	<u>2020 Year-to-Date Total</u>
<b><u>Lake J. B. Thomas</u></b>		
<i><u>CONTENTS IN ACRE FEET</u></i>		
CAPACITY WHEN FULL	200,604	
CAPACITY THIS DATE	30,842	
PERCENT FULL	15.37%	
FREE CAPACITY THIS DATE	169,762	
INFLOWS*	85	7,438
PASS THROUGH / RELEASES	0	0
WITHDRAWALS	944	12,086
EVAPORATION*	(1,034)	(15,963)
<i><u>ELEVATION ABOVE MEAN SEA LEVEL</u></i>		
ELEVATION WHEN FULL	2,258.00	
ELEVATION THIS DATE	2,222.69	

**E. V. Spence Reservoir**

<i><u>CONTENTS IN ACRE FEET</u></i>		
CAPACITY WHEN FULL	517,272	
CAPACITY THIS DATE	119,314	
PERCENT FULL	23.07%	
FREE CAPACITY THIS DATE	397,958	
INFLOWS*	0	18,916
PASS THROUGH / RELEASES	0	508
WITHDRAWALS	1,390	10,846
EVAPORATION*	(1,571)	(28,757)
<i><u>ELEVATION ABOVE MEAN SEA LEVEL</u></i>		
ELEVATION WHEN FULL	1,898.00	
ELEVATION THIS DATE	1,858.08	

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

	<u>This Month</u>	<u>2020 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	337,087	
PERCENT FULL	60.81%	
FREE CAPACITY THIS DATE	217,253	
INFLOWS*	294	39,790
PASS THROUGH / RELEASES	122	3,601
WITHDRAWALS	454	35,189
SPILLS	0	0
EVAPORATION*	(3,007)	(54,947)
<i><u>ELEVATION ABOVE MEAN SEA LEVEL</u></i>		
ELEVATION WHEN FULL	1,551.50	
ELEVATION THIS DATE	1,538.25	

**Moss Creek Lake**

<i><u>CONTENTS IN ACRE FEET</u></i>		
CAPACITY WHEN FULL	3,441	
CAPACITY THIS DATE	1,965	
PERCENT FULL	57.11%	
FREE CAPACITY THIS DATE	1,476	
INFLOWS*	26	388
PASS THROUGH / RELEASES	0	0
WITHDRAWALS	0	(161)
SPILLS	0	0
EVAPORATION*	(28)	(662)
<i><u>ELEVATION ABOVE MEAN SEA LEVEL</u></i>		
ELEVATION WHEN FULL	2,336.50	
ELEVATION THIS DATE	2,326.08	

<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	2,222.69	30,842	7,438	12,086	0	(15,963)
E.V. Spence Reservoir	1,858.08	119,314	18,916	10,846	508	(28,757)
O.H. Ivie Reservoir	1,538.25	337,087	39,790	35,189	3,601	(54,947)
Moss Creek Lake	2,326.08	1,965	388	(161)	0	(662)
	<b>Total</b>	<b>489,208</b>	<b>66,532</b>	<b>57,960</b>	<b>4,109</b>	<b>(100,329)</b>

\* Inflow and Evaporation are approximate.

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

	<u>This Month</u>	<u>2020 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*	(285)	(6,428)
<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	574	
PERCENT FULL	7.18%	
FREE CAPACITY THIS DATE	7,423	
INFLOWS*	0	1,608
PASS THROUGH / RELEASES	0	0
EVAPORATION*	(45)	(1,192)
<i><u>ELEVATION ABOVE MEAN SEA LEVEL</u></i>		
ELEVATION WHEN FULL	2,541.00	
ELEVATION THIS DATE	2,525.52	

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

	<u>This Month</u>	<u>2020 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	1,499	
PERCENT FULL	59.89%	
FREE CAPACITY THIS DATE	1,004	
INFLOWS*	0	1,215
WIER FLOW	0	1
PUMPED IN	0	133
WITHDRAWALS	0	0
SPILLS	0	0
EVAPORATION*	(36)	(671)
<i><u>ELEVATION ABOVE MEAN SEA LEVEL</u></i>		
ELEVATION WHEN FULL	2,097.00	
ELEVATION THIS DATE	2,091.10	
<b><u>Red Draw</u></b>		
<i><u>CONTENTS IN ACRE FEET</u></i>		
CAPACITY WHEN FULL	8,538	
CAPACITY THIS DATE	3,502	
PERCENT FULL	41.02%	
FREE CAPACITY THIS DATE	5,036	
INFLOWS*	21	2293
PUMPED IN	10	1128
WITHDRAWALS	0	1
SPILLS	0	0
EVAPORATION*	(47)	(1003)
<i><u>ELEVATION ABOVE MEAN SEA LEVEL</u></i>		
ELEVATION WHEN FULL	2,445.00	
ELEVATION THIS DATE	2,427.46	

**COLORADO RIVER MUNICIPAL WATER DISTRICT  
 DIVERTED / WATER QUALITY ENHANCEMENT SYSTEM  
 RESERVOIRS REPORT  
 November 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*	(77)	(2,434)
<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	(6,428)
Sulphur Draw	2,525.52	574	1,608	(1,192)
Barber Lake	2,091.10	1,499	1,215	(671)
Red Draw	2,427.46	3,502	2,293	(1,003)
Mitchell County Reservoir	2,172.00	3,359	0	(2,434)
<b>Total</b>		<b>14,074</b>	<b>5,116</b>	<b>(11,728)</b>

\* Inflow and Evaporation are approximate.

Water Quality Diversions		
Source	Current Month (Acre Feet)	Year to Date (Acre Feet)
Colorado River	0	133
Beals Creek	65	489
<b>Total</b>	<b>65</b>	<b>622</b>

**COLORADO RIVER MUNICIPAL WATER DISTRICT  
GROUNDWATER REPORT  
November 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	411,530,700	13,717,690	2,101,740,300
Ward County South Well Field	0	0	98,567,000
Odessa Well Field (Out of Service)	0	0	0
Martin County Well Field	0	0	126,709,799
Snyder Well Field	0	0	0
<b>Total</b>	<b>411,530,700</b>	<b>13,717,690</b>	<b>2,327,017,099</b>

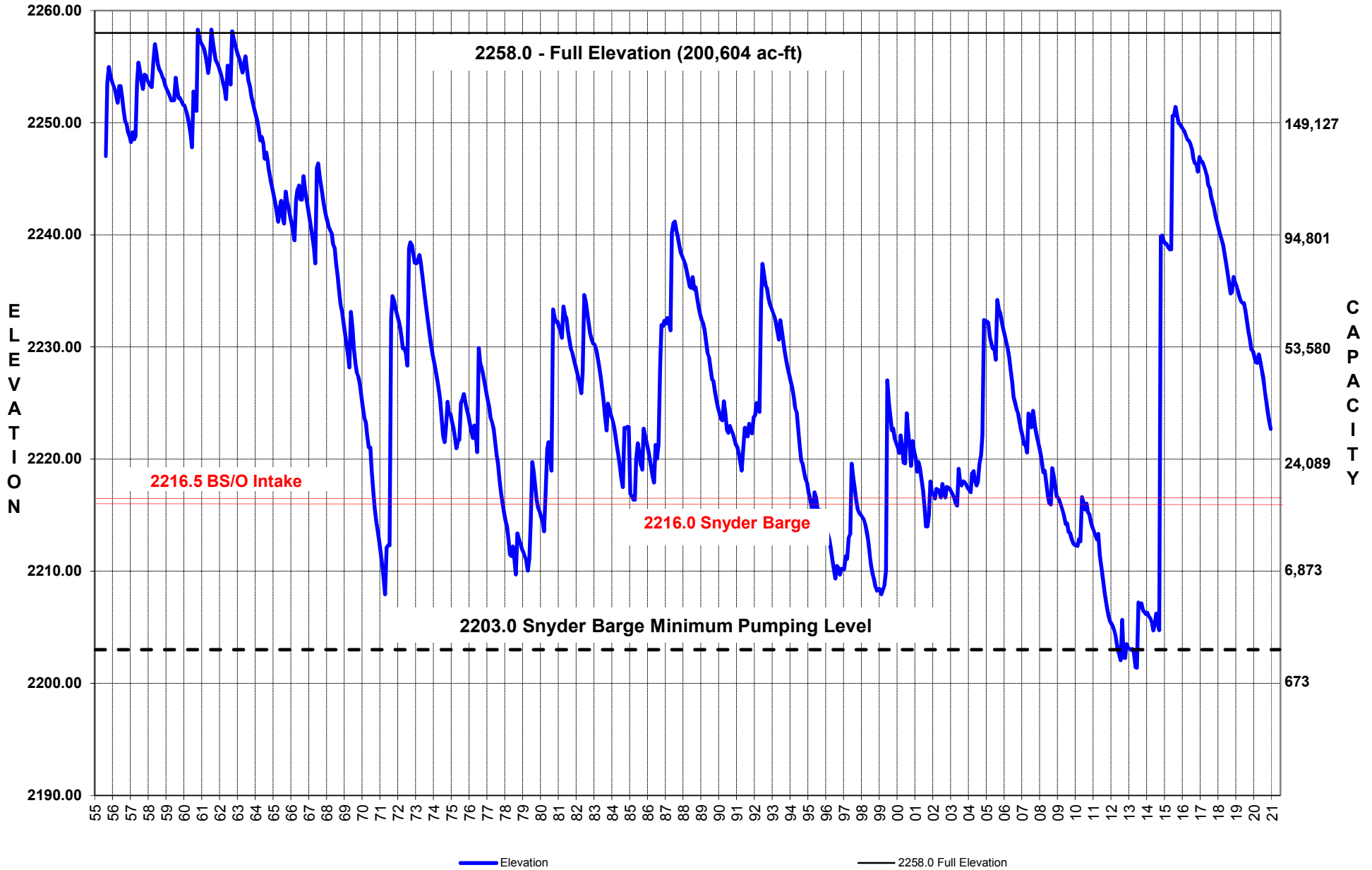
**BIG SPRING RAW WATER PRODUCTION FACILITY  
PRODUCTION REPORT  
November 2020**

	<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	28,970,000	965,667	327,730,000



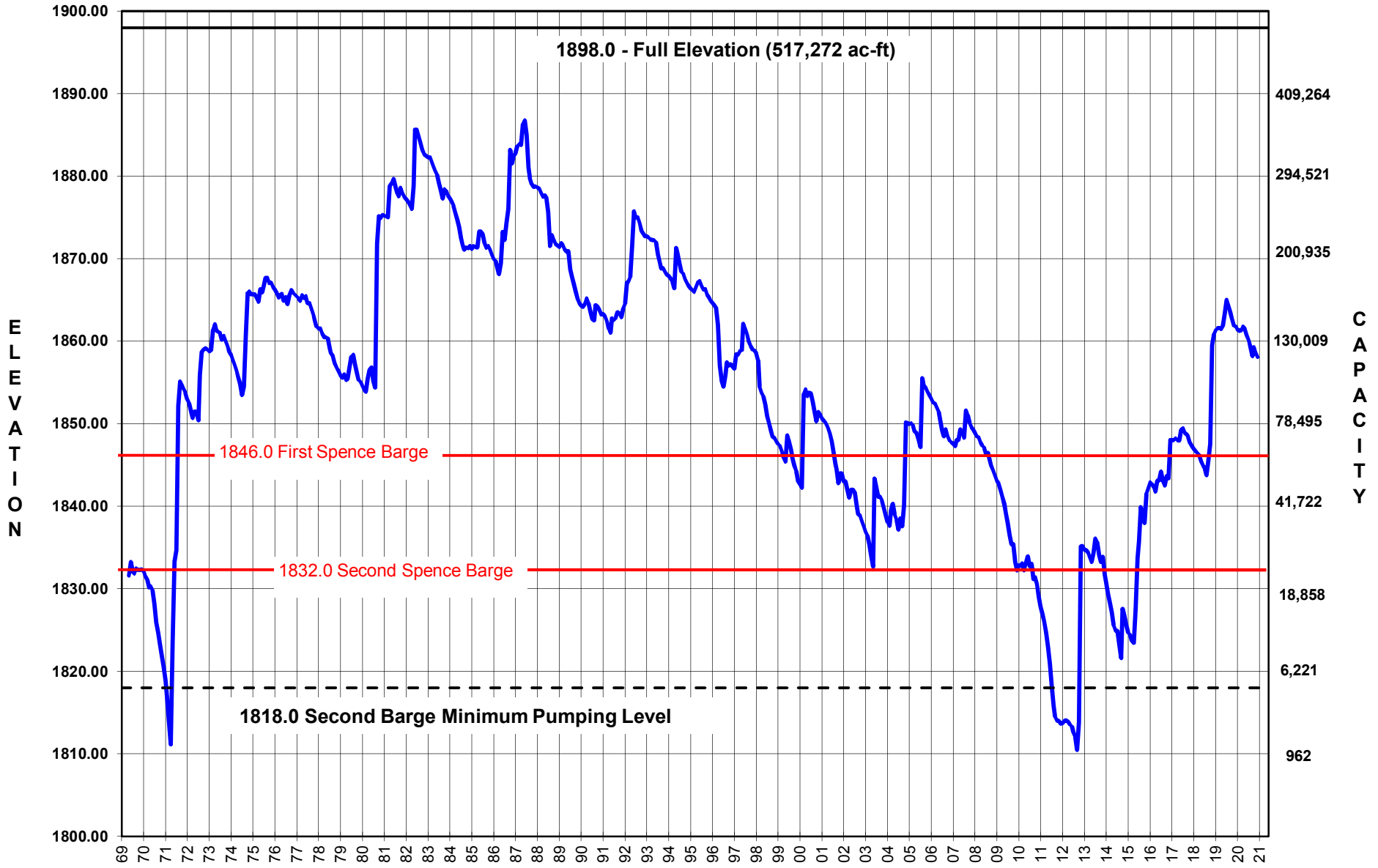
# LAKE J.B. THOMAS

## Elevation August 1955 - November 2020



# E.V. SPENCE RESERVOIR

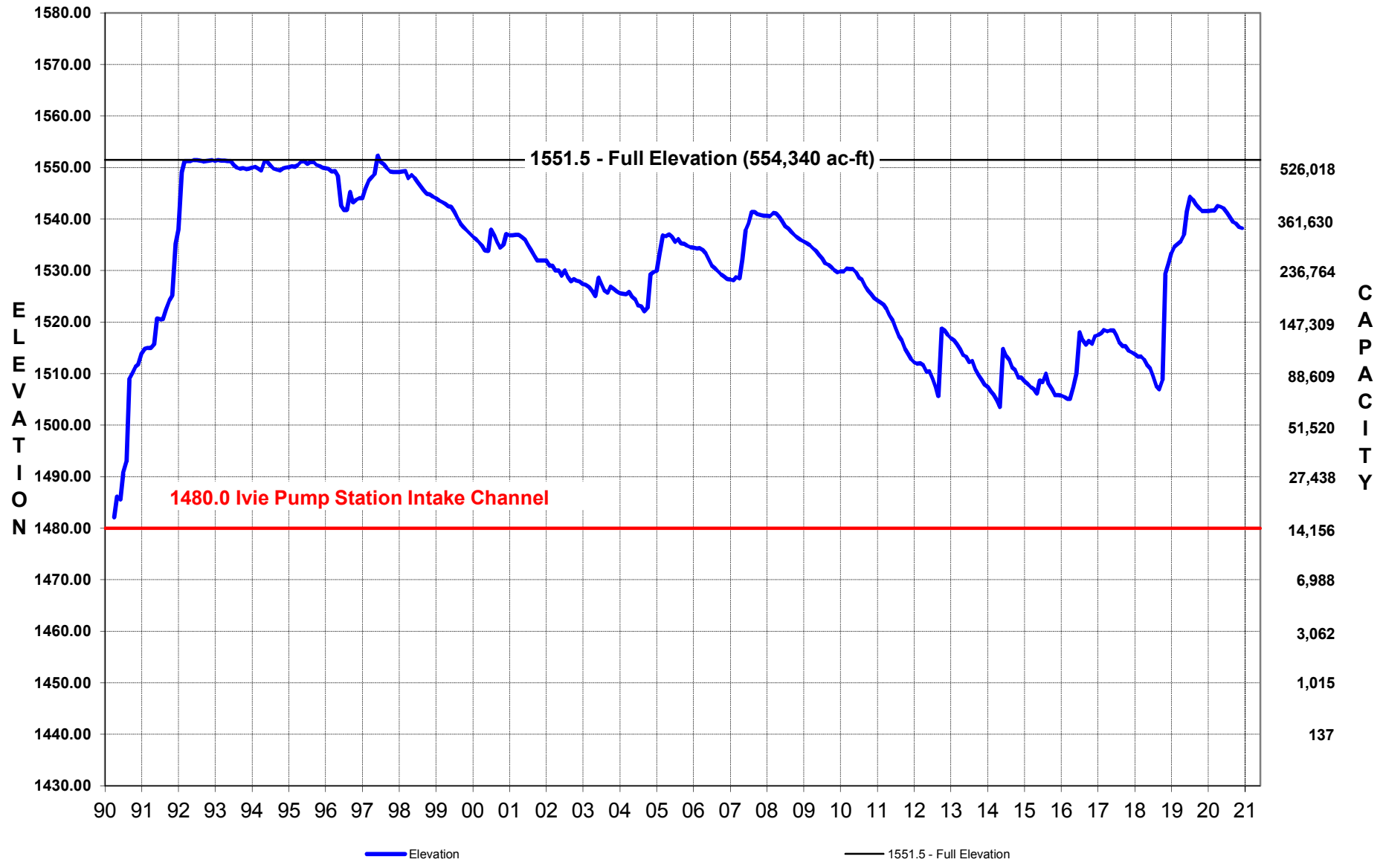
Elevation May 1969 - November 2020



— Elevation    — 1898.0-Full Elevation

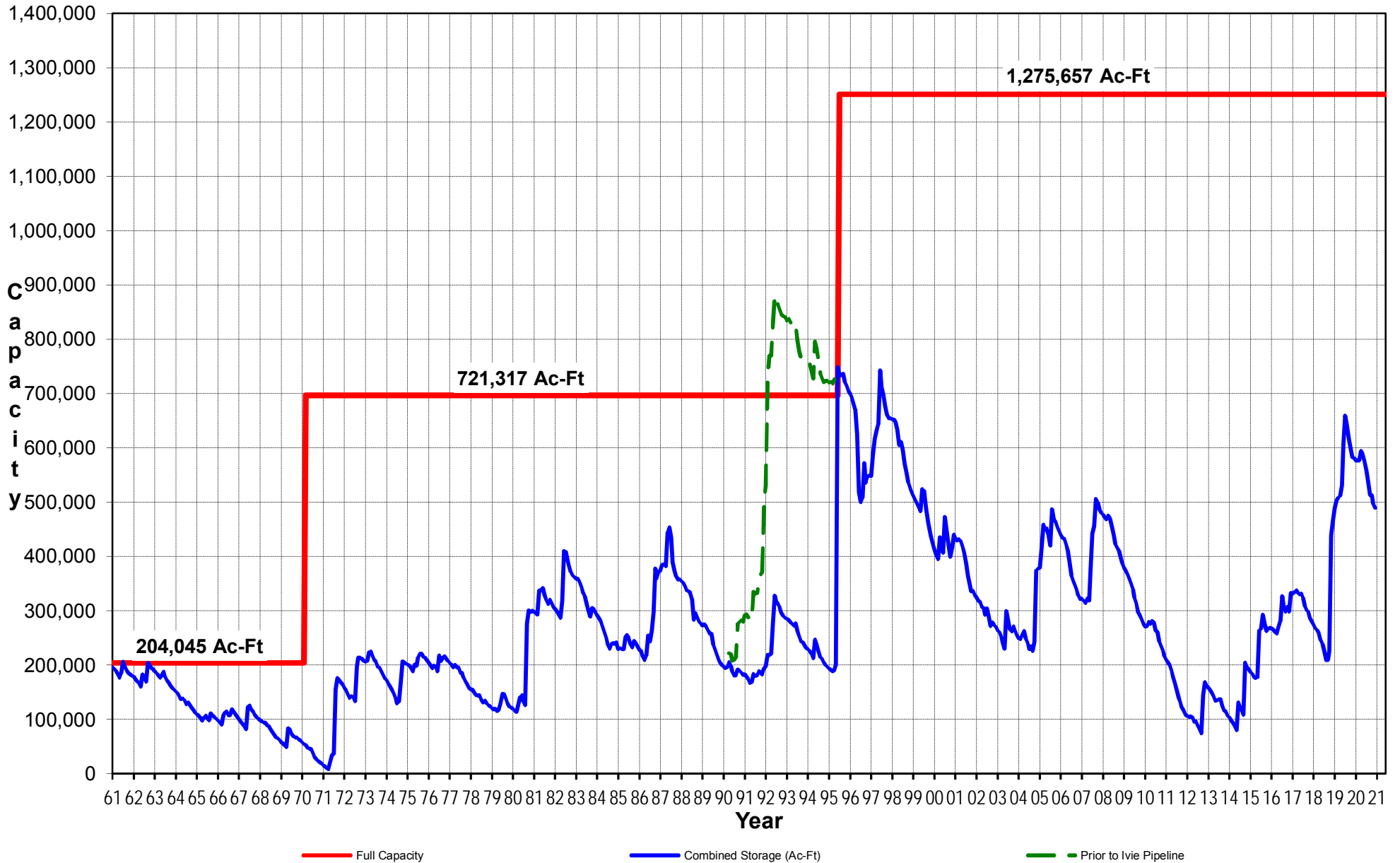
# O.H. IVIE RESERVOIR

## Elevation April 1990 - November 2020



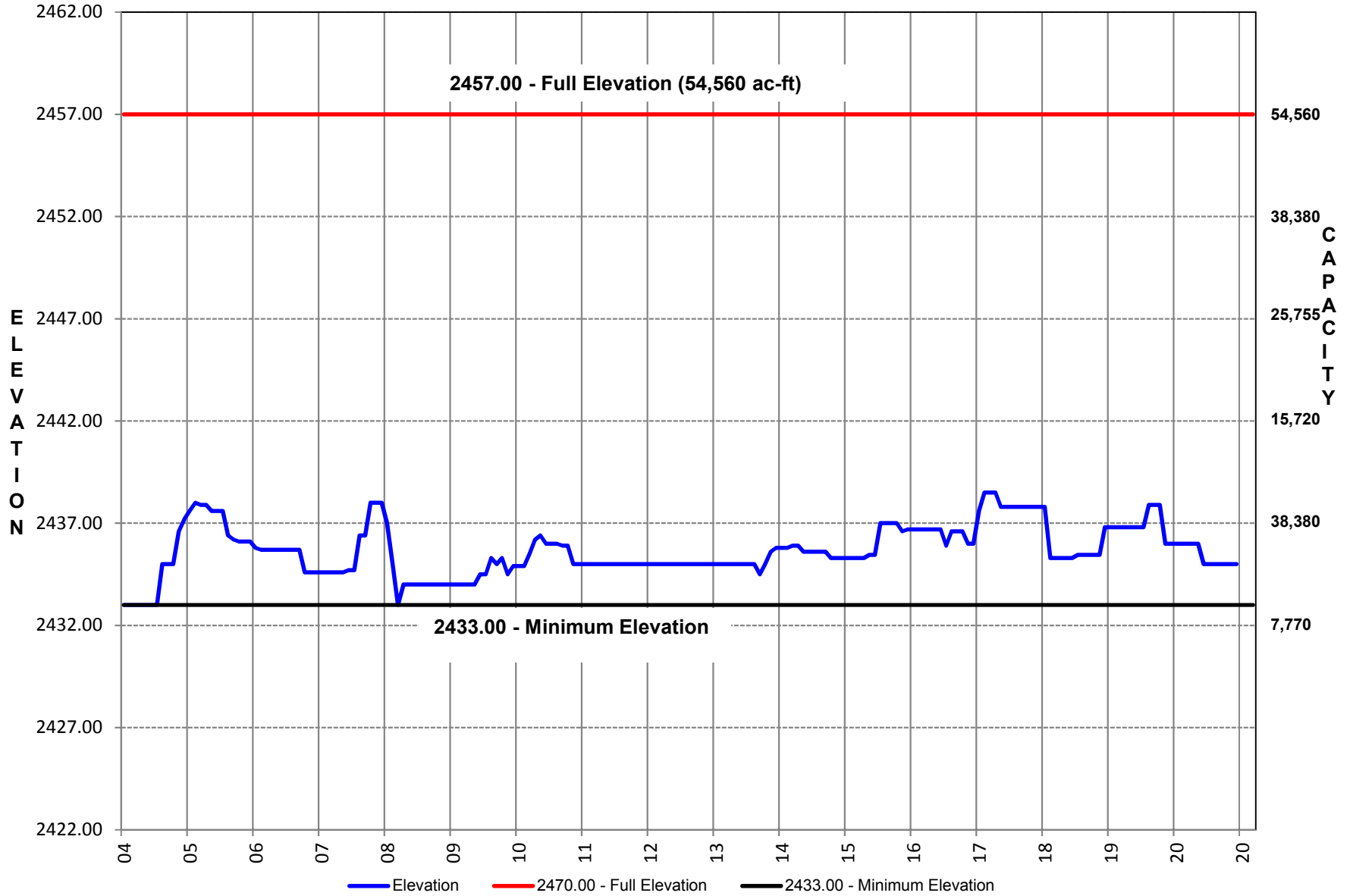
# COLORADO RIVER MUNICIPAL WATER DISTRICT

## COMBINED STORAGE Thomas, Spence, Moss, Ivie



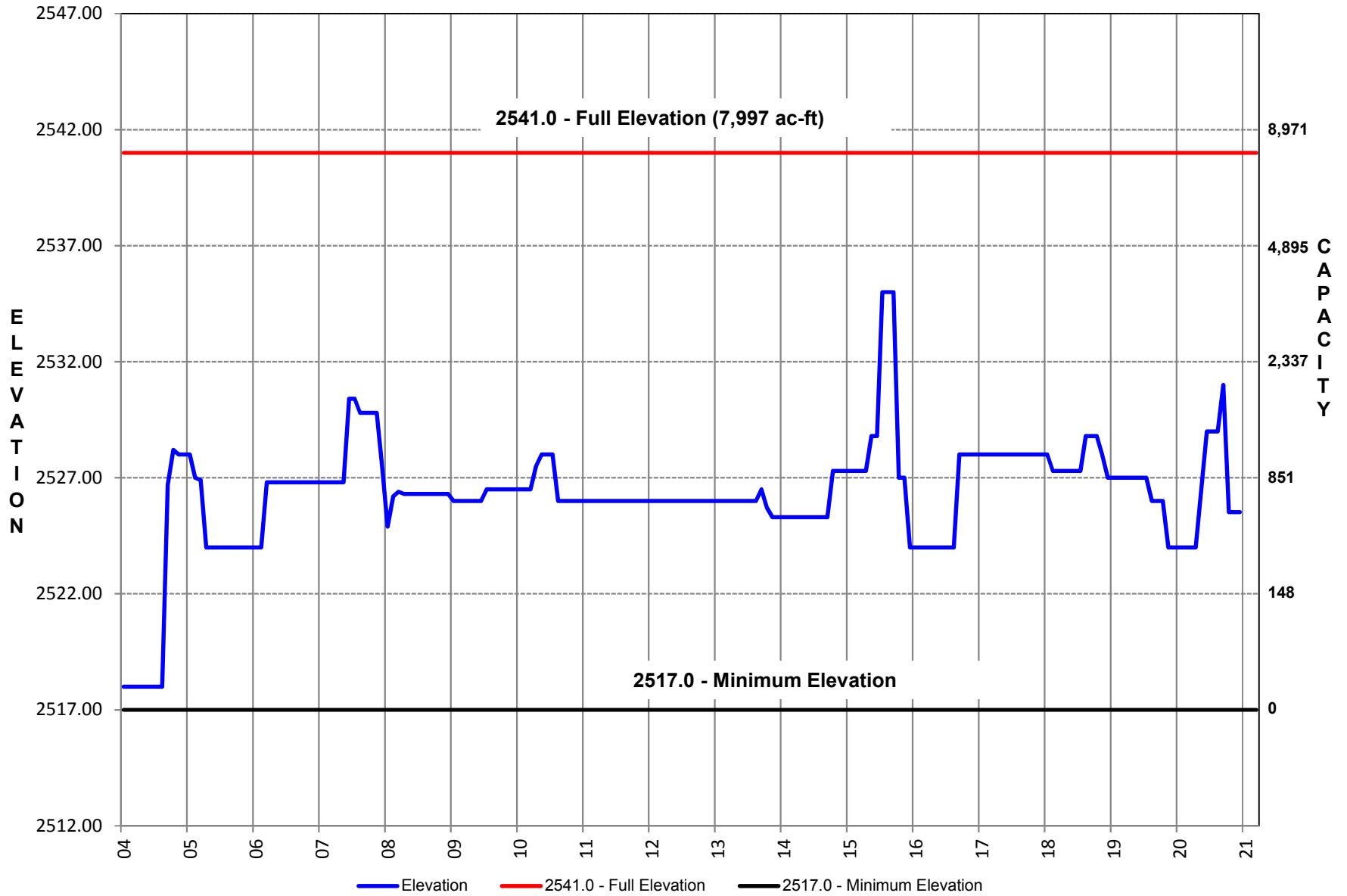
# Natural Dam Reservoir

Elevation January 2004 - November 2020



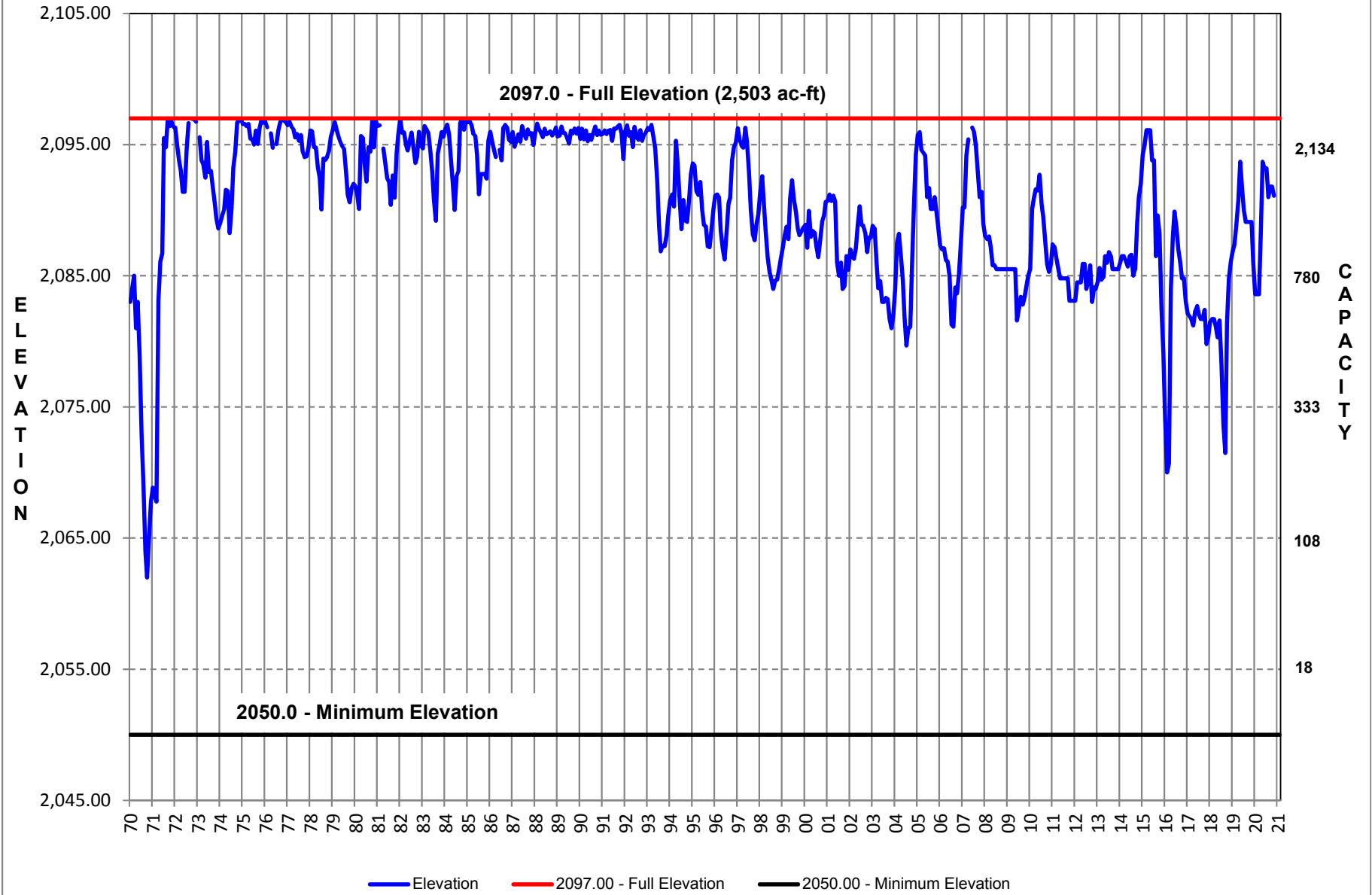
# Sulphur Draw Reservoir

Elevation January 2004 - November 2020



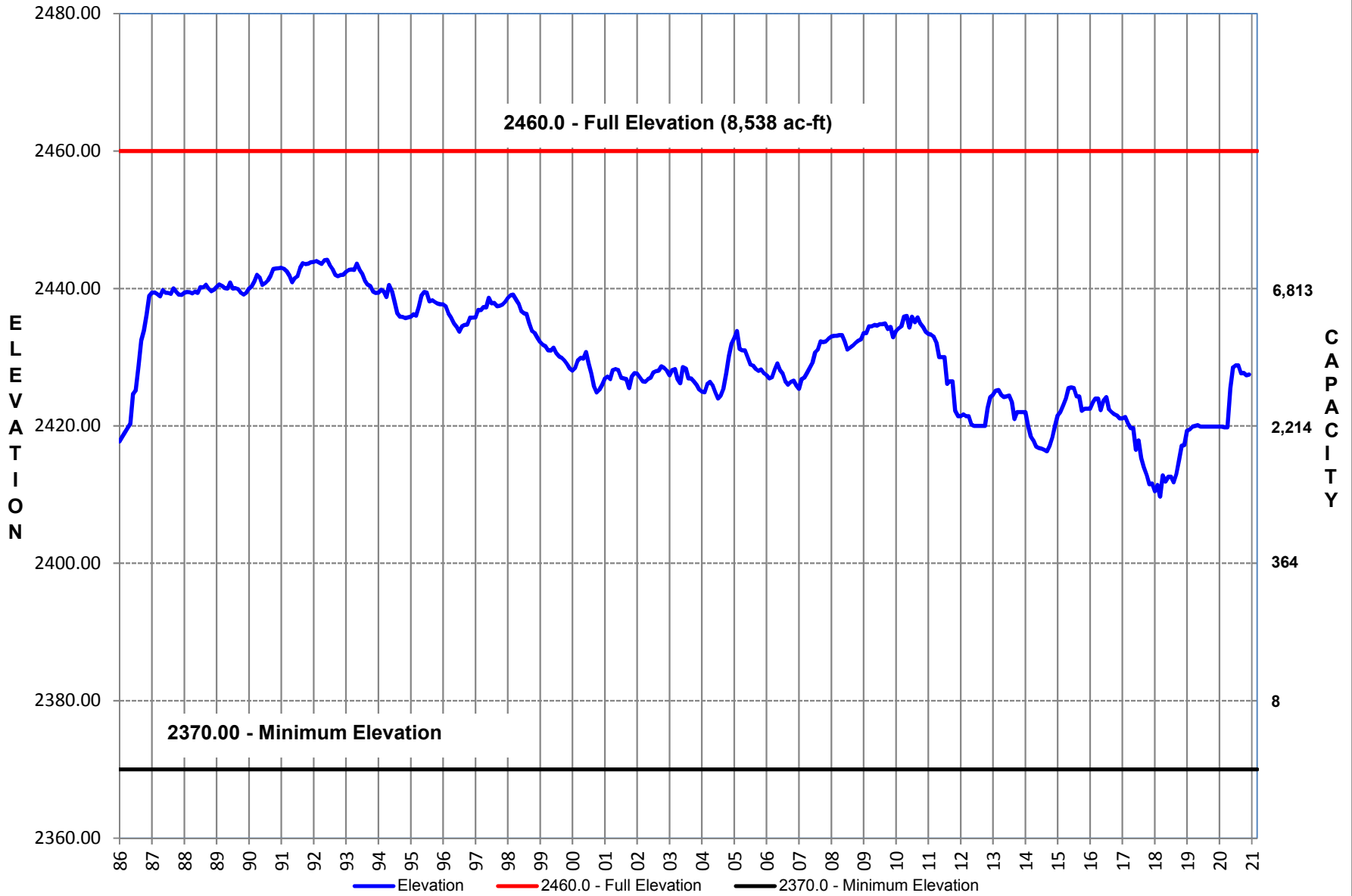
# Barber Lake

Elevation February 1970 - November 2020



# Red Draw

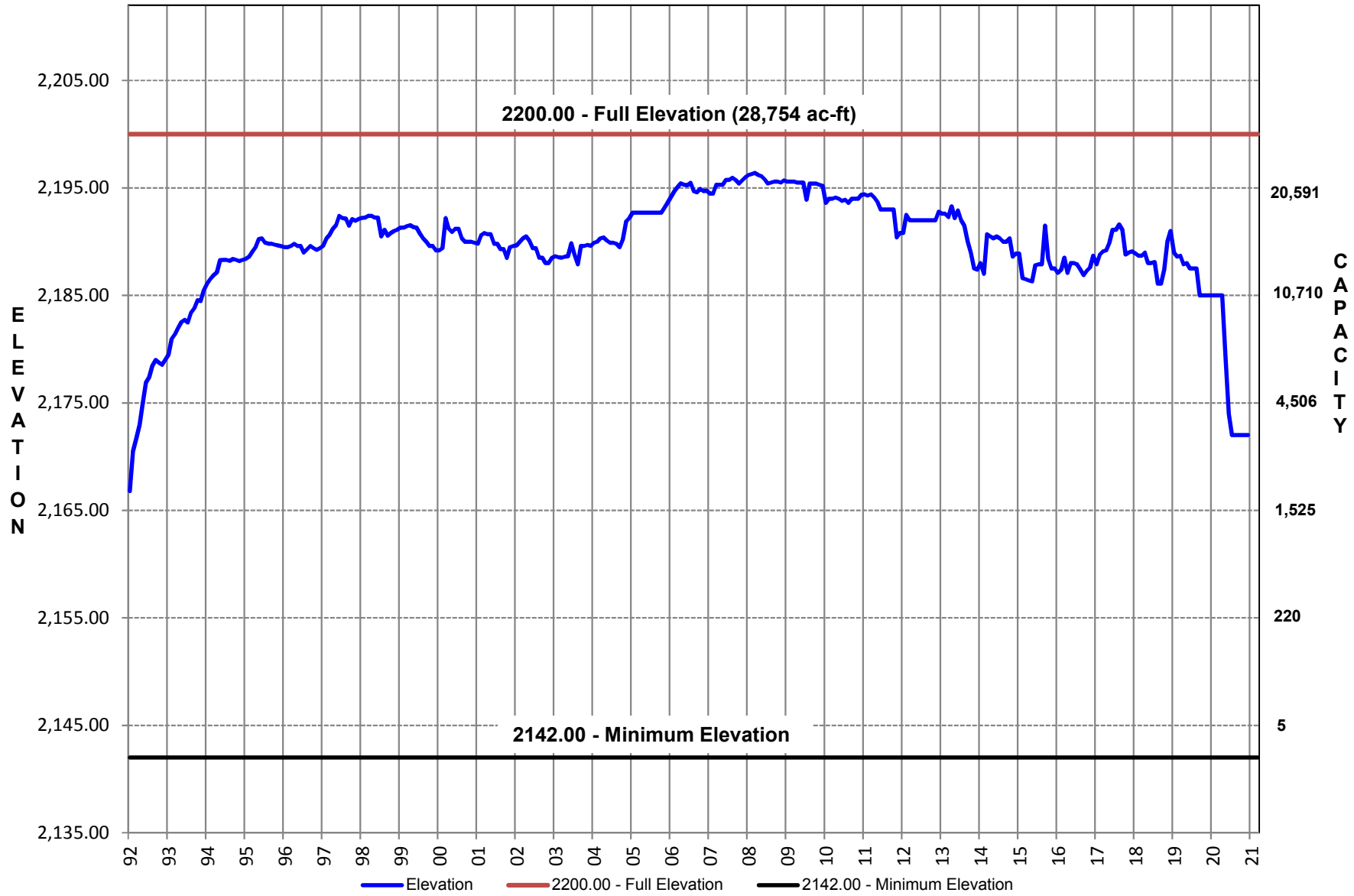
Elevation January 1986 - November 2020





# Mitchell County Reservoir

Elevation January 1992 - November 2020



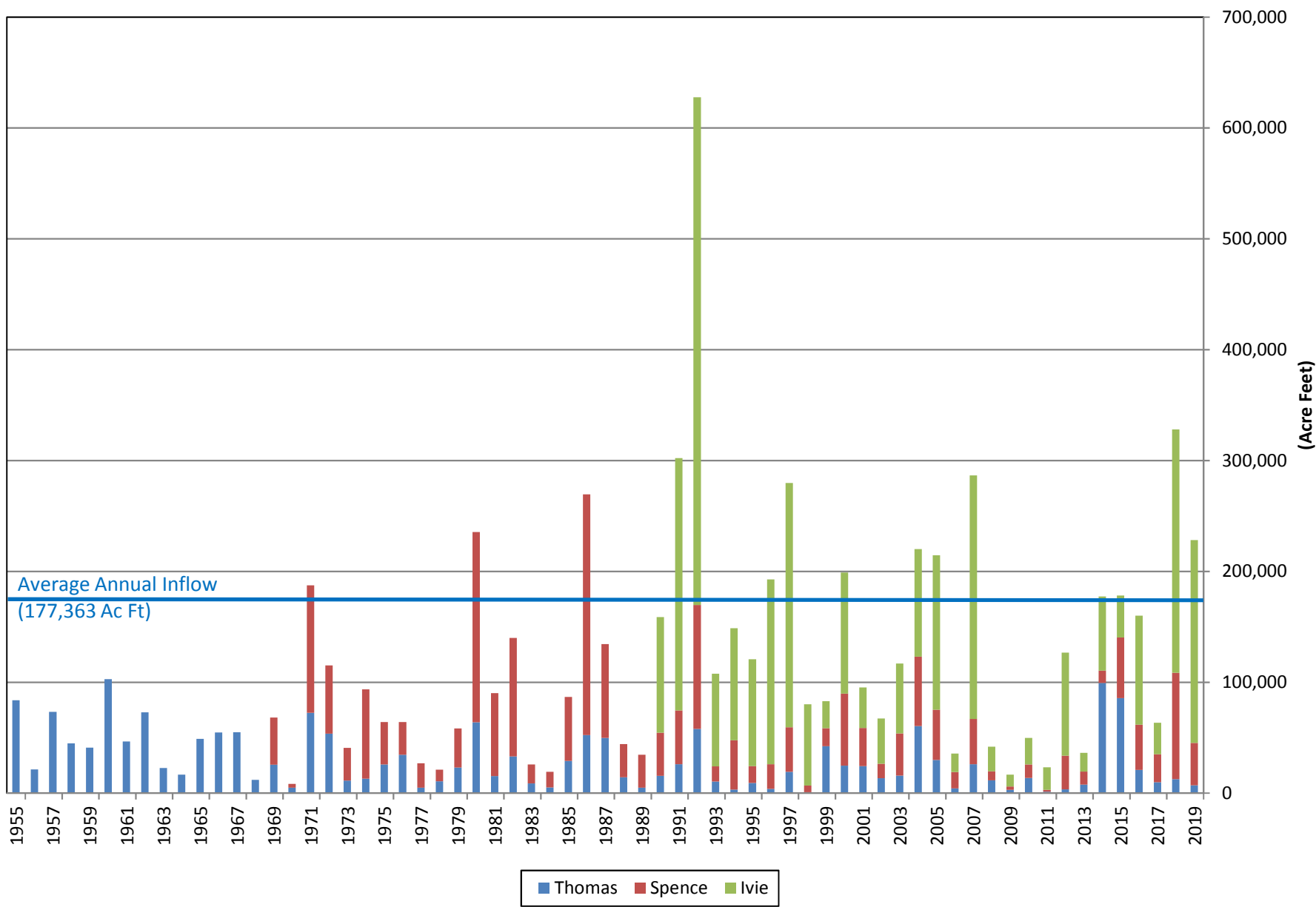
# **Annual Historical Data**

COLORADO RIVER MUNICIPAL WATER DISTRICT

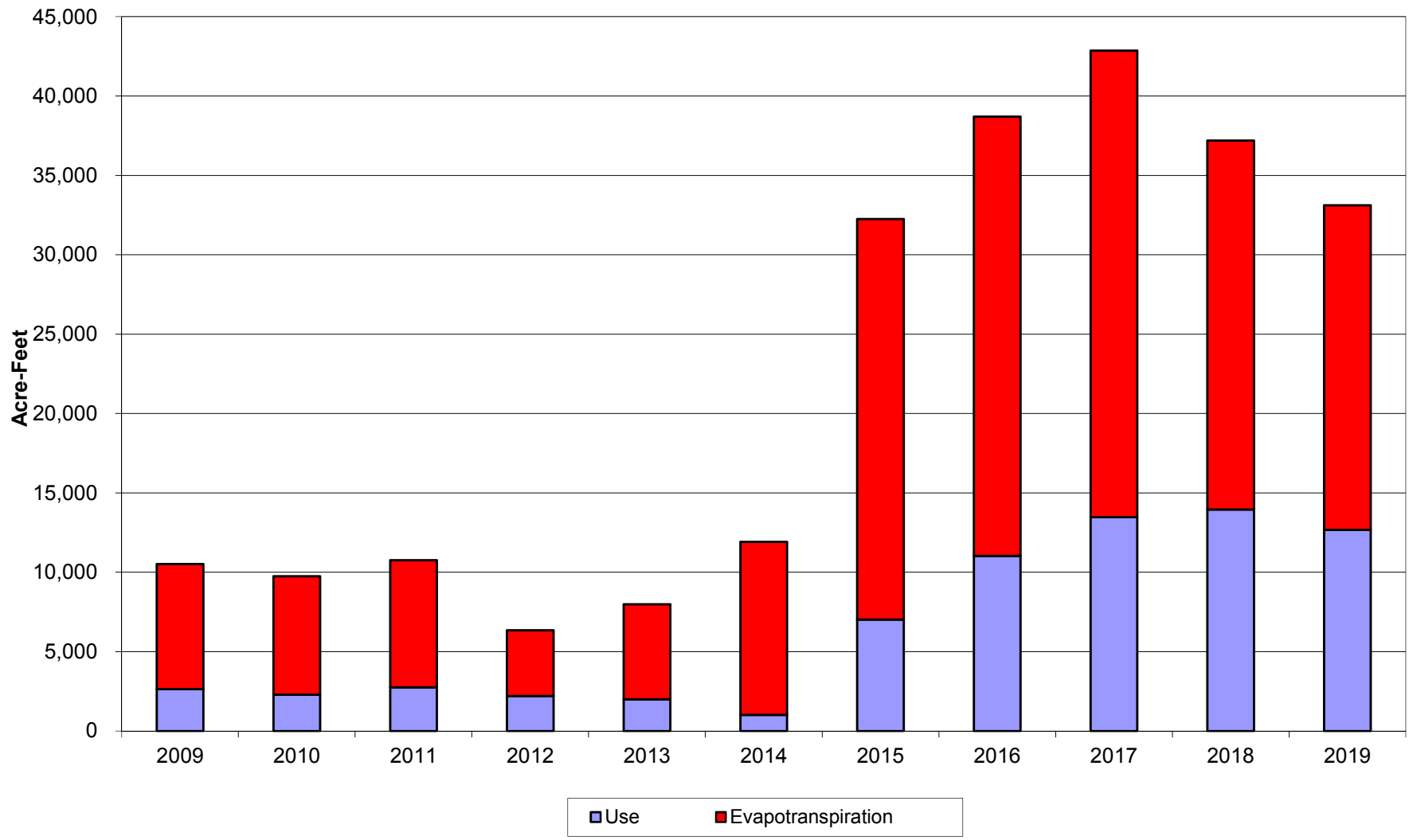
RESERVOIR INFLOW SUMMARY

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
<b>Annual Average</b>	<b>29,468</b>	<b>44,636</b>	<b>103,259</b>	<b>177,363</b>

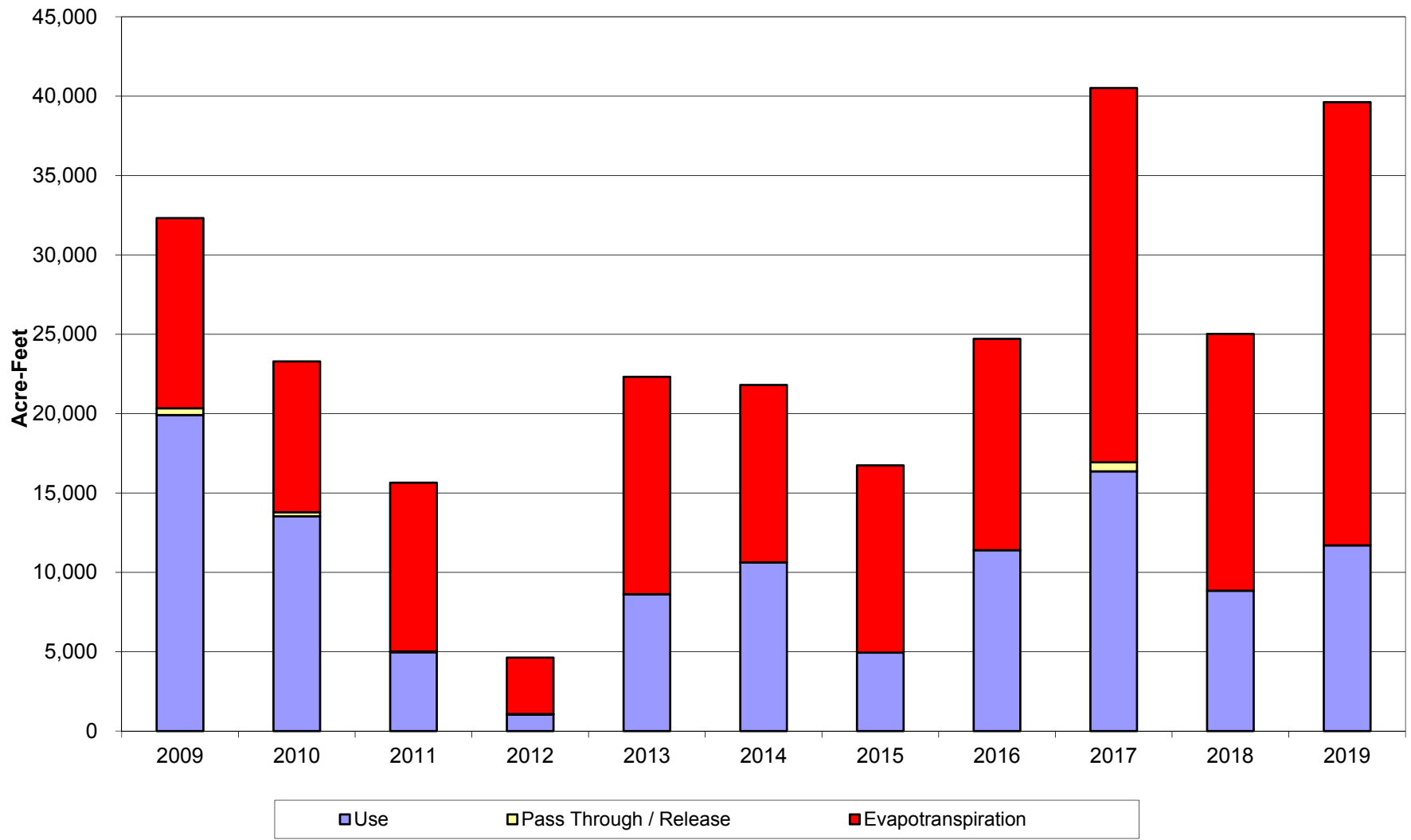
## Combined Inflow (1955 through 2019)



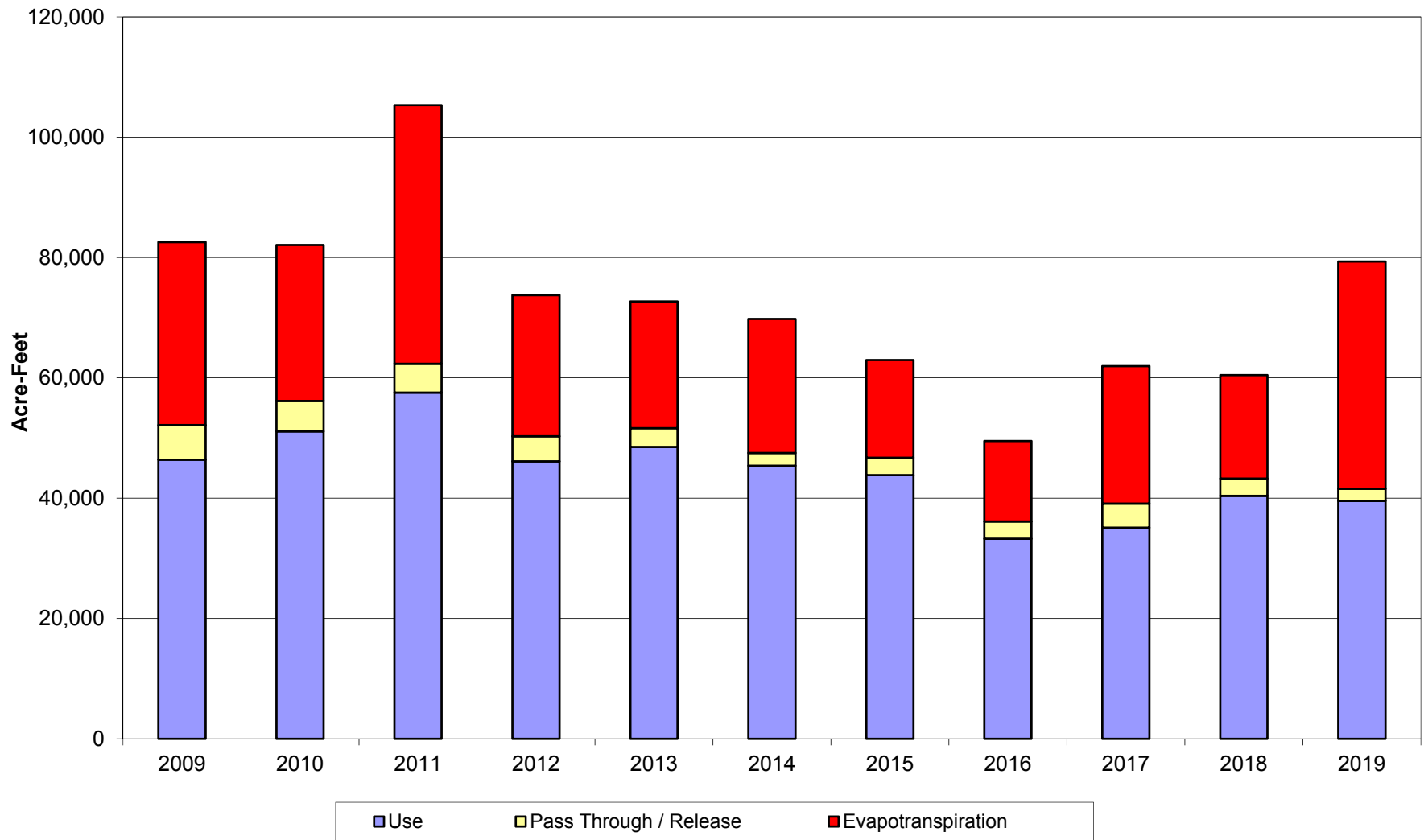
Lake J.B. Thomas  
January 2009 thru December 2019



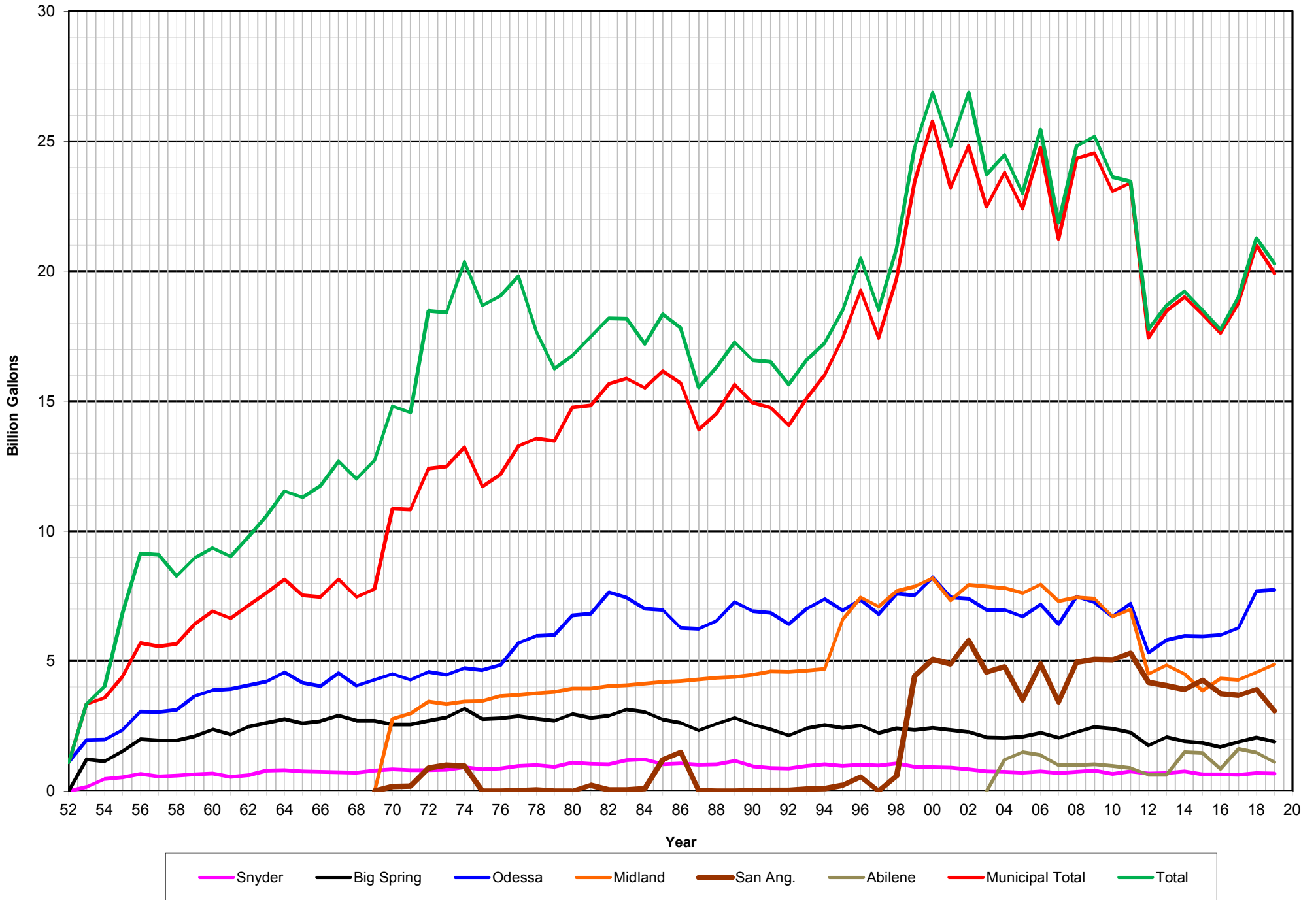
**E.V. Spence Reservoir  
January 2009 thru December 2019**



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

