



Colorado River Municipal Water District

Monthly Water Report

October 2018

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 2018**

Raw Water System

Member Cities	Total Deliveries This Month (Gal)	Daily Average For Month (Gal)	2017 Year to Date (Gal)
Big Spring	162,269,000	5,234,484	1,767,441,000
Odessa	570,111,400	18,390,690	6,698,581,800
Snyder	53,581,000	1,728,419	588,833,000
Subtotal	785,961,400	25,353,594	9,054,855,800

Municipal Customers

Grandfalls	0	0	7,239,000
Midland - 1966 Contract	260,999,000	8,419,323	3,326,754,500
Midland - Ivie Contract	163,985,000	5,289,839	640,717,000
Millersview Doole WSC	47,419,400	1,529,658	383,355,600
Pyote	1,379,700	44,506	16,240,800
San Angelo - Spence	0	0	0
San Angelo - Ivie	322,879,000	10,415,452	3,456,335,000
Stanton	10,066,300	324,719	83,929,000
University Lands	3,000	97	163,000
West Central Texas MWD	92,676,000	2,989,548	1,306,336,000
Subtotal	899,407,400	29,013,142	9,221,069,900

Industrial Customers

Alon Rural Meters	2,660,710	85,829	54,235,890
Luminant Generation	40,000	1,290	986,000
Occidental	4,360	141	256,740
Parallel Petroleum	26,680	861	751,290
Power Resources	4,545,000	146,613	108,845,000
Subtotal	7,276,750	234,734	165,074,920

Diverted Water System

Industrial Customers

BASA Resources	9,762,400	314,916	78,784,700
Energen	0	0	67,900
Fasken Oil Co.	190,940	6,159	2,201,690
Miranda Energy	0	0	14,300
Rover Operating	85,540	2,759	114,740
Sheridan Production	145,160	4,683	1,690,990
Subtotal	10,184,040	328,517	82,874,320

Total Deliveries	1,702,829,590	54,929,987	18,523,874,940
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**COLORADO RIVER MUNICIPAL WATER DISTRICT
RESERVOIR REPORT
October 2018**

<u>Lake J. B. Thomas</u>	<u>This Month</u>	<u>2018 Year-to-Date Total</u>
<i><u>CONTENTS IN ACRE FEET</u></i>		
CAPACITY WHEN FULL	200,604	
CAPACITY THIS DATE	77,906	
PERCENT FULL	38.84%	
FREE CAPACITY THIS DATE	122,698	
INFLOWS*	7,202	11,456
PASS THROUGH / RELEASES	0	0
WITHDRAWALS	1,088	12,423
EVAPORATION*	(474)	(20,133)

<i><u>ELEVATION ABOVE MEAN SEA LEVEL</u></i>		
ELEVATION WHEN FULL	2,258.00	
ELEVATION THIS DATE	2,236.25	

E. V. Spence Reservoir

<i><u>CONTENTS IN ACRE FEET</u></i>		
CAPACITY WHEN FULL	517,272	
CAPACITY THIS DATE	127,666	
PERCENT FULL	24.68%	
FREE CAPACITY THIS DATE	389,606	
INFLOWS*	59,883	83,891
PASS THROUGH / RELEASES	0	0
WITHDRAWALS	336	7,687
EVAPORATION*	(56)	(15,156)

<i><u>ELEVATION ABOVE MEAN SEA LEVEL</u></i>		
ELEVATION WHEN FULL	1,898.00	
ELEVATION THIS DATE	1,859.51	

**COLORADO RIVER MUNICIPAL WATER DISTRICT
RESERVOIR REPORT
October 2018**

<u>O. H. Ivie Reservoir</u>	<u>This Month</u>	<u>2018 Year-to-Date Total</u>
<u>CONTENTS IN ACRE FEET</u>		
CAPACITY WHEN FULL	554,340	
CAPACITY THIS DATE	229,620	
PERCENT FULL	41.42%	
FREE CAPACITY THIS DATE	324,720	
INFLOWS*	151,371	169,491
PASS THROUGH / RELEASES	165	2,506
WITHDRAWALS	3,761	35,424
SPILLS	0	0
EVAPORATION*	(916)	(17,188)
<u>ELEVATION ABOVE MEAN SEA LEVEL</u>		
ELEVATION WHEN FULL	1,551.50	
ELEVATION THIS DATE	1,529.32	

Moss Creek Lake

<u>CONTENTS IN ACRE FEET</u>		
CAPACITY WHEN FULL	3,441	
CAPACITY THIS DATE	2,953	
PERCENT FULL	85.82%	
FREE CAPACITY THIS DATE	488	
INFLOWS*	350	674
PASS THROUGH / RELEASES	0	0
WITHDRAWALS	112	(1,403)
SPILLS	0	0
EVAPORATION*	(48)	(672)
<u>ELEVATION ABOVE MEAN SEA LEVEL</u>		
ELEVATION WHEN FULL	2,336.50	
ELEVATION THIS DATE	2,333.34	

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	2,236.25	77,906	11,456	12,423	0	(20,133)
E.V. Spence Reservoir	1,859.51	127,666	83,891	7,687	0	(15,156)
O.H. Ivie Reservoir	1,529.32	229,620	169,491	35,424	2,506	(17,188)
Moss Creek Lake	2,333.34	2,953	674	(1,403)	0	(672)
Total		438,145	265,512	54,131	2,506	(53,149)

* Inflow and Evaporation are approximate.

**COLORADO RIVER MUNICIPAL WATER DISTRICT
 DIVERTED / WATER QUALITY ENHANCEMENT SYSTEM
 RESERVOIRS REPORT
 October 2018**

	<u>This Month</u>	<u>2018 Year-to-Date Total</u>
<u>Natural Dam</u>		
<i><u>CONTENTS IN ACRE FEET</u></i>		
CAPACITY WHEN FULL	54,560	
CAPACITY THIS DATE	5,715	
PERCENT FULL	10.47%	
FREE CAPACITY THIS DATE	48,845	
INFLOWS*	0	192
SPILLS	0	0
EVAPORATION*	(397)	(6,030)
<i><u>ELEVATION ABOVE MEAN SEA LEVEL</u></i>		
ELEVATION WHEN FULL	2,457.00	
ELEVATION THIS DATE	2,435.45	
<u>Sulphur Draw Reservoir</u>		
<i><u>CONTENTS IN ACRE FEET</u></i>		
CAPACITY WHEN FULL	7,997	
CAPACITY THIS DATE	1,078	
PERCENT FULL	13.48%	
FREE CAPACITY THIS DATE	6,919	
INFLOWS*	0	566
PASS THROUGH / RELEASES	0	0
EVAPORATION*	(87)	(1,268)
<i><u>ELEVATION ABOVE MEAN SEA LEVEL</u></i>		
ELEVATION WHEN FULL	2,541.00	
ELEVATION THIS DATE	2,528.00	

**COLORADO RIVER MUNICIPAL WATER DISTRICT
 DIVERTED / WATER QUALITY ENHANCEMENT SYSTEM
 RESERVOIRS REPORT
 October 2018**

	<u>This Month</u>	<u>2018 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	571	
PERCENT FULL	22.81%	
FREE CAPACITY THIS DATE	1,932	
INFLOWS*	285	381
WIER FLOW	0	2
PUMPED IN	282	819
WITHDRAWALS	0	0
SPILLS	0	0
EVAPORATION*	(10)	(196)
<i><u>ELEVATION ABOVE MEAN SEA LEVEL</u></i>		
ELEVATION WHEN FULL	2,097.00	
ELEVATION THIS DATE	2,081.40	
<u>Red Draw</u>		
<i><u>CONTENTS IN ACRE FEET</u></i>		
CAPACITY WHEN FULL	8,538	
CAPACITY THIS DATE	1,809	
PERCENT FULL	21.19%	
FREE CAPACITY THIS DATE	6,729	
INFLOWS*	288	1263
PUMPED IN	216	882
WITHDRAWALS	0	1
SPILLS	0	0
EVAPORATION*	(39)	(502)
<i><u>ELEVATION ABOVE MEAN SEA LEVEL</u></i>		
ELEVATION WHEN FULL	2,445.00	
ELEVATION THIS DATE	2,417.10	

**COLORADO RIVER MUNICIPAL WATER DISTRICT
 DIVERTED / WATER QUALITY ENHANCEMENT SYSTEM
 RESERVOIRS REPORT
 October 2018**

<u>Mitchell County</u>	<u>This Month</u>	<u>2018 Year-to-Date Total</u>
<u>CONTENTS IN ACRE FEET</u>		
CAPACITY WHEN FULL	27,266	
CAPACITY THIS DATE	15,153	
PERCENT FULL	55.57%	
FREE CAPACITY THIS DATE	12,113	
INFLOWS*	2,766	8,638
SPILLS	0	0
TRANSFERS IN	0	(932)
EVAPORATION*	(292)	(4,339)
<u>ELEVATION ABOVE MEAN SEA LEVEL</u>		
ELEVATION WHEN FULL	2,200.00	
ELEVATION THIS DATE	2,190.00	

Diverted / Water Quality Enhancement System Summary				
Reservoir	Elevation	Capacity	Year to Date Inflow (Acre Feet)	Year to Date Evaporation (Acre Feet)
Natural Dam	2,435.45	5,715	192	(6,030)
Sulphur Draw	2,528.00	1,078	566	(1,268)
Barber Lake	2,081.40	571	381	(196)
Red Draw	2,417.10	1,809	1,263	(502)
Mitchell County Reservoir	2,190.00	15,153	8,638	(4,339)
Total		24,326	11,040	(12,336)

* Inflow and Evaporation are approximate.

Water Quality Diversions		
Source	Current Month (Acre Feet)	Year to Date (Acre Feet)
Colorado River	282	819
Beals Creek	15	530
Total	297	1,349

**COLORADO RIVER MUNICIPAL WATER DISTRICT
GROUNDWATER REPORT
October 2018**

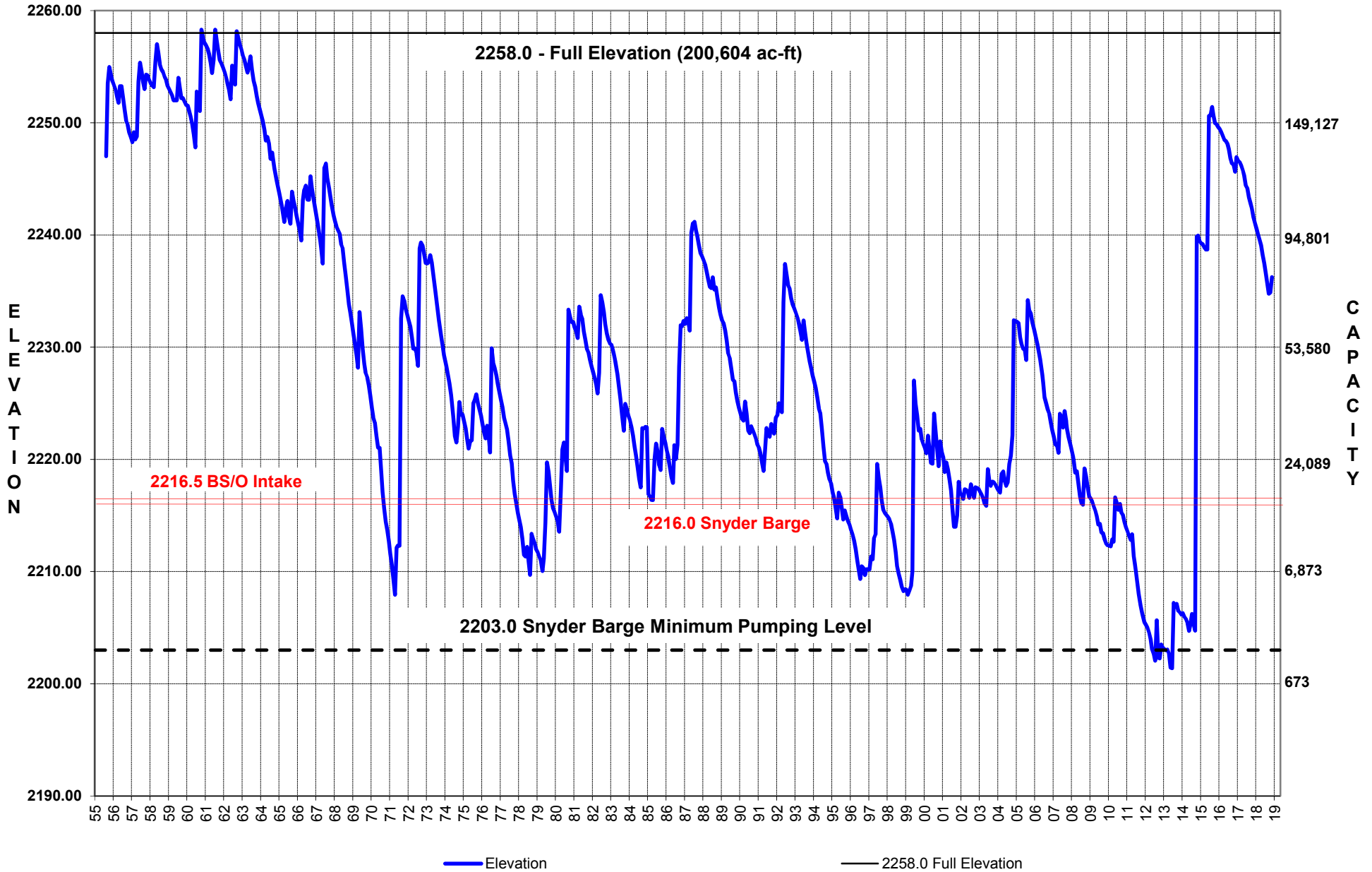
<u>Well Field</u>	<u>Production This Month (Gallons)</u>	<u>Daily Average for Month (Gal)</u>	<u>2018 Production Year-to-Date (Gallons)</u>
Ward County North Well Field	15,301,260	493,589	336,962,490
Ward County South Well Field	6,857,000	221,194	41,393,800
Odessa Well Field (Out of Service)	0	0	0
Martin County Well Field	0	0	3,785,120
Snyder Well Field	0	0	17,732,400
Pyote Well Field	1,640,000	52,903	20,202,000
Total	23,798,260	767,686	420,075,810

**BIG SPRING RAW WATER PRODUCTION FACILITY
PRODUCTION REPORT
October 2018**

	<u>Production This Month (Gallons)</u>	<u>Daily Average for Month (Gal)</u>	<u>2018 Production Year-to-Date (Gallons)</u>
Big Spring Raw Water Production Facility	39,580,000	1,276,774	388,460,000

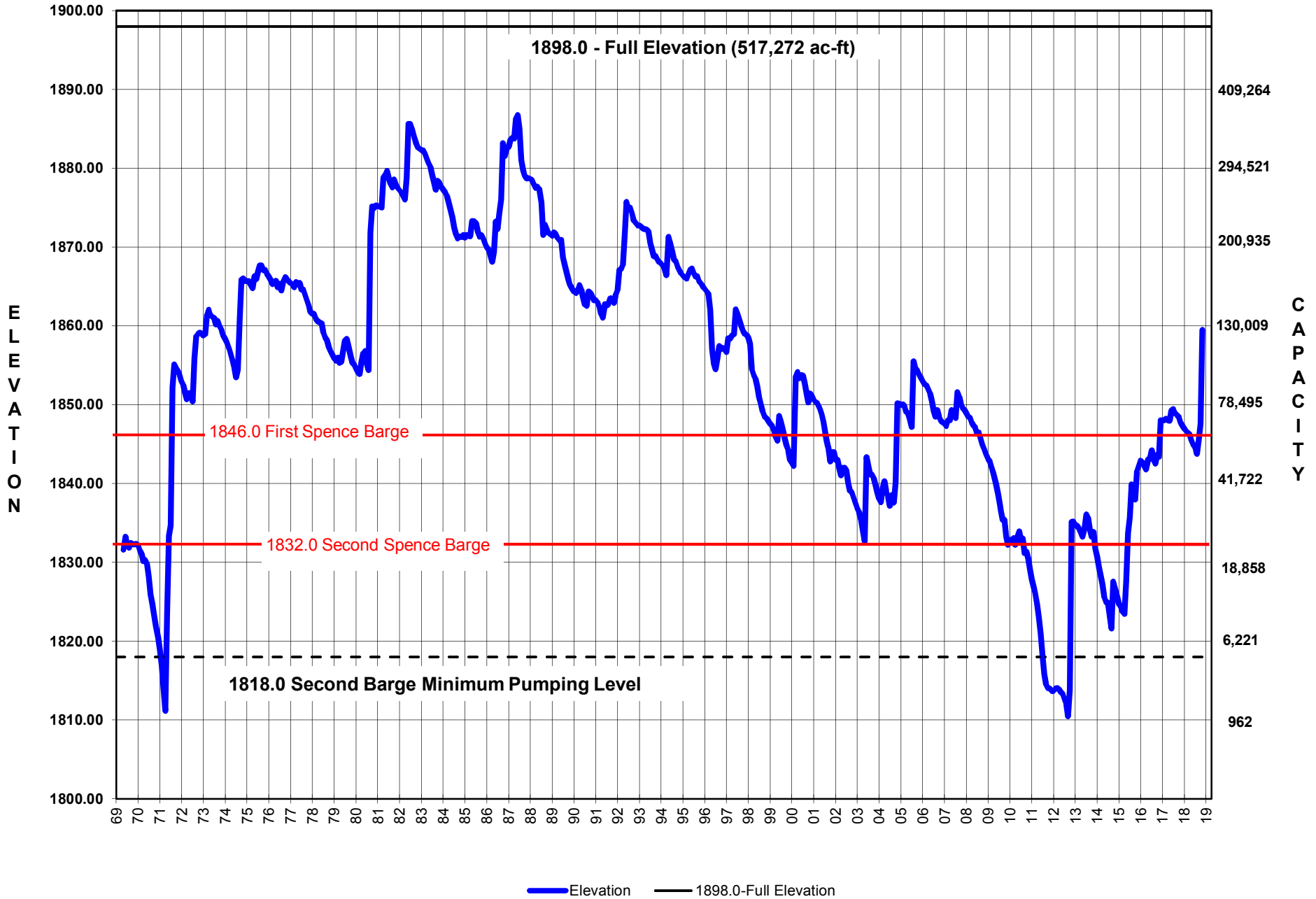
LAKE J.B. THOMAS

Elevation August 1955 - October 2018



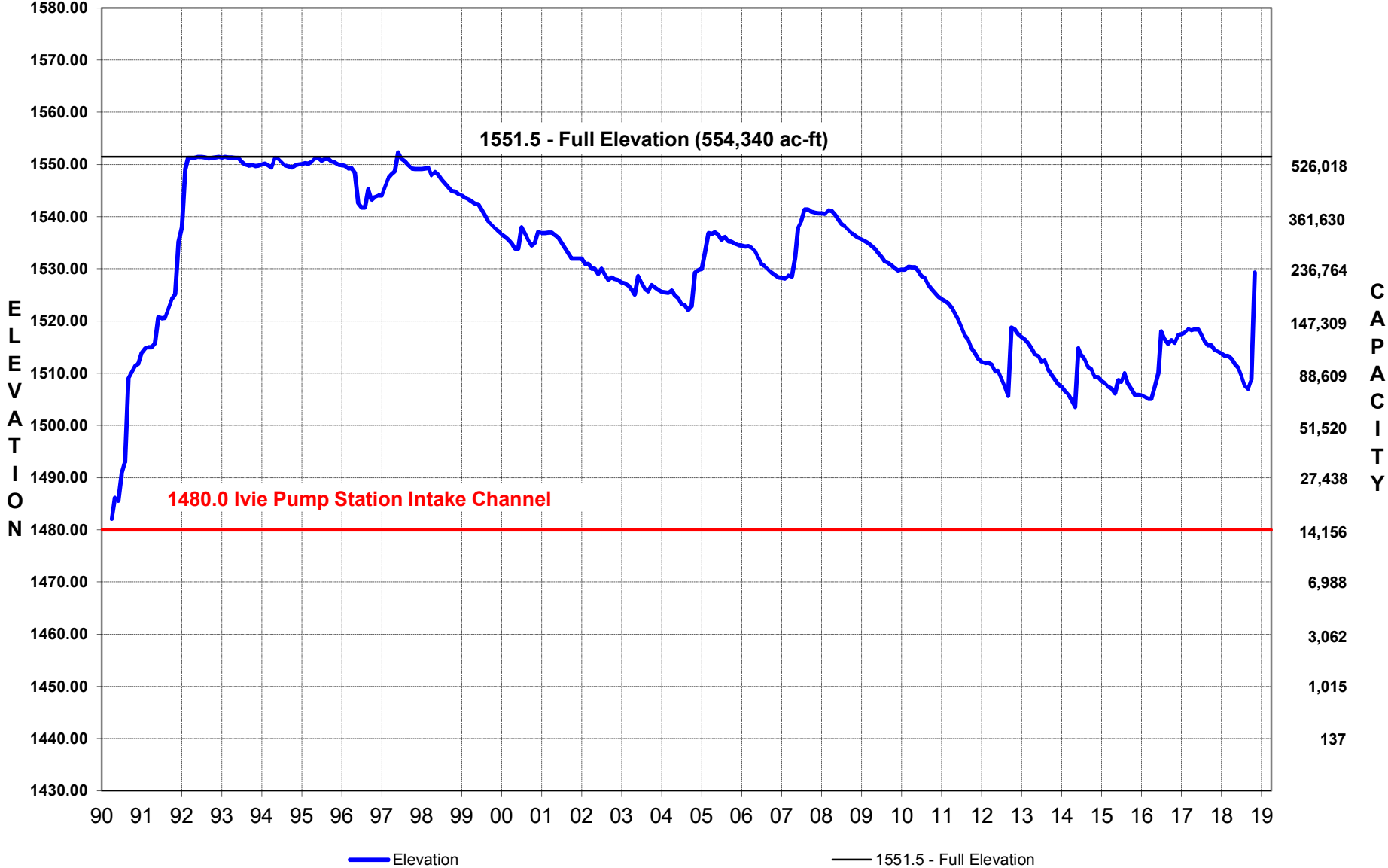
E.V. SPENCE RESERVOIR

Elevation May 1969 - October 2018



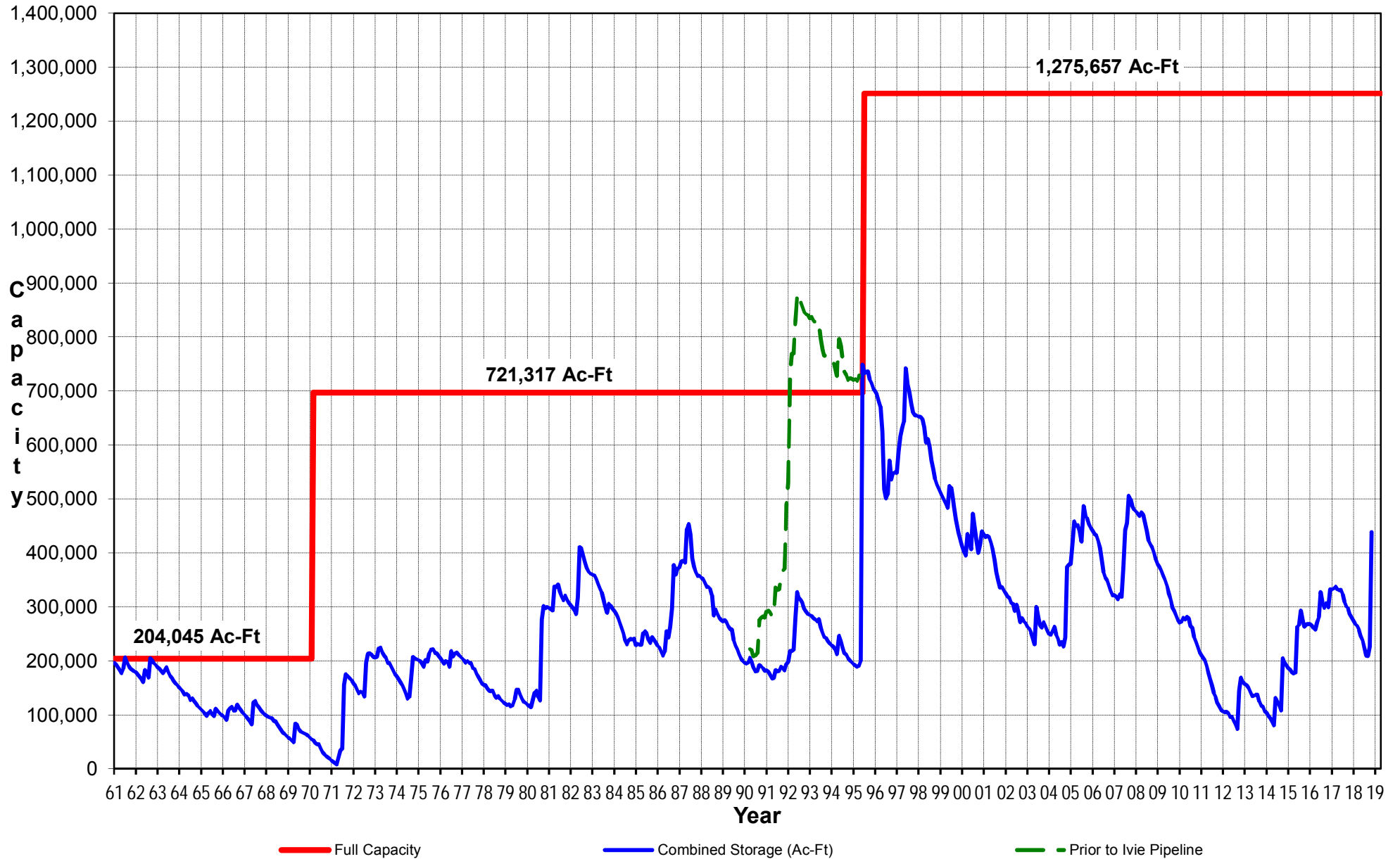
O.H. IVIE RESERVOIR

Elevation April 1990 - October 2018



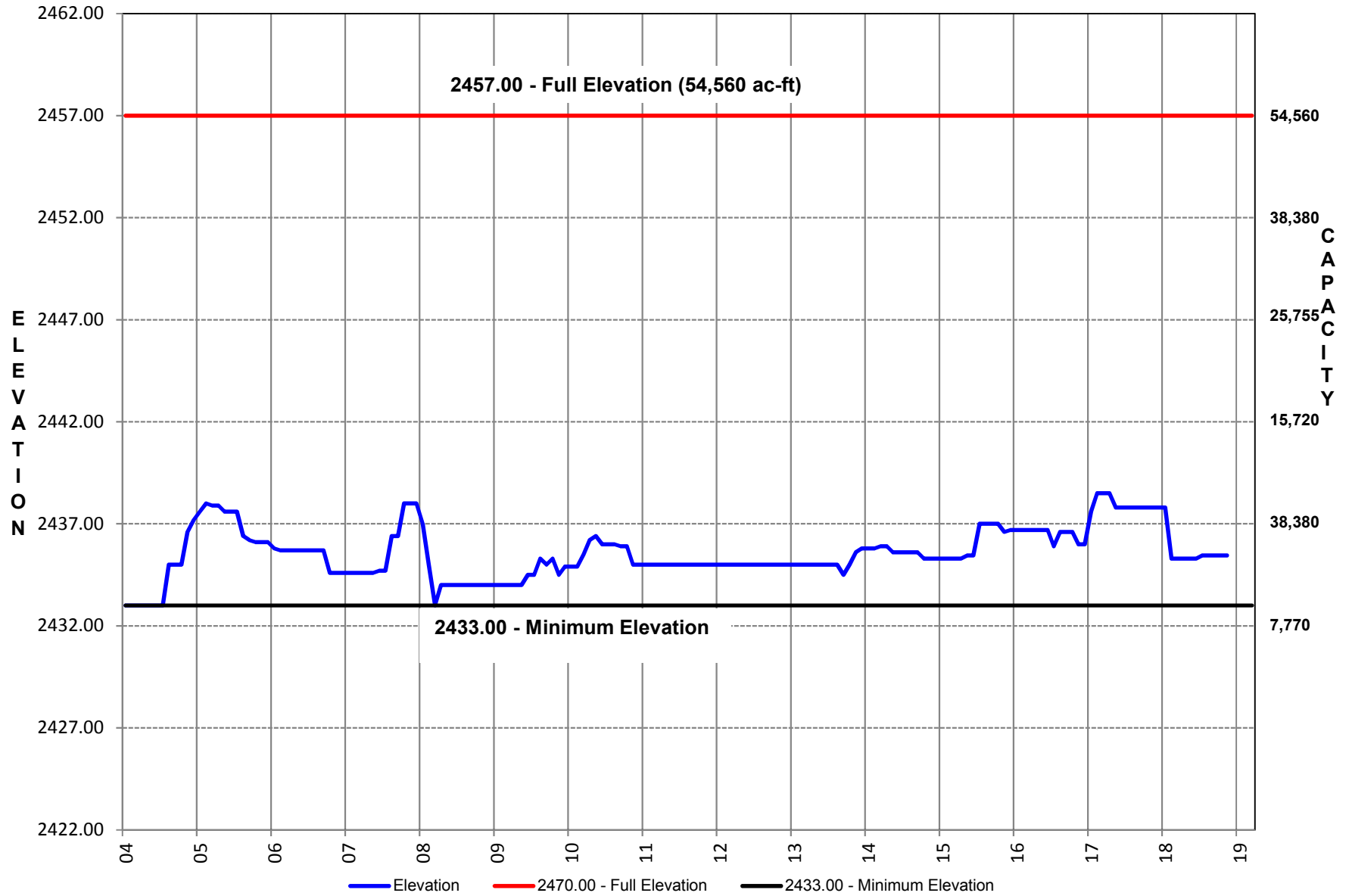
COLORADO RIVER MUNICIPAL WATER DISTRICT

COMBINED STORAGE Thomas, Spence, Moss, Ivie



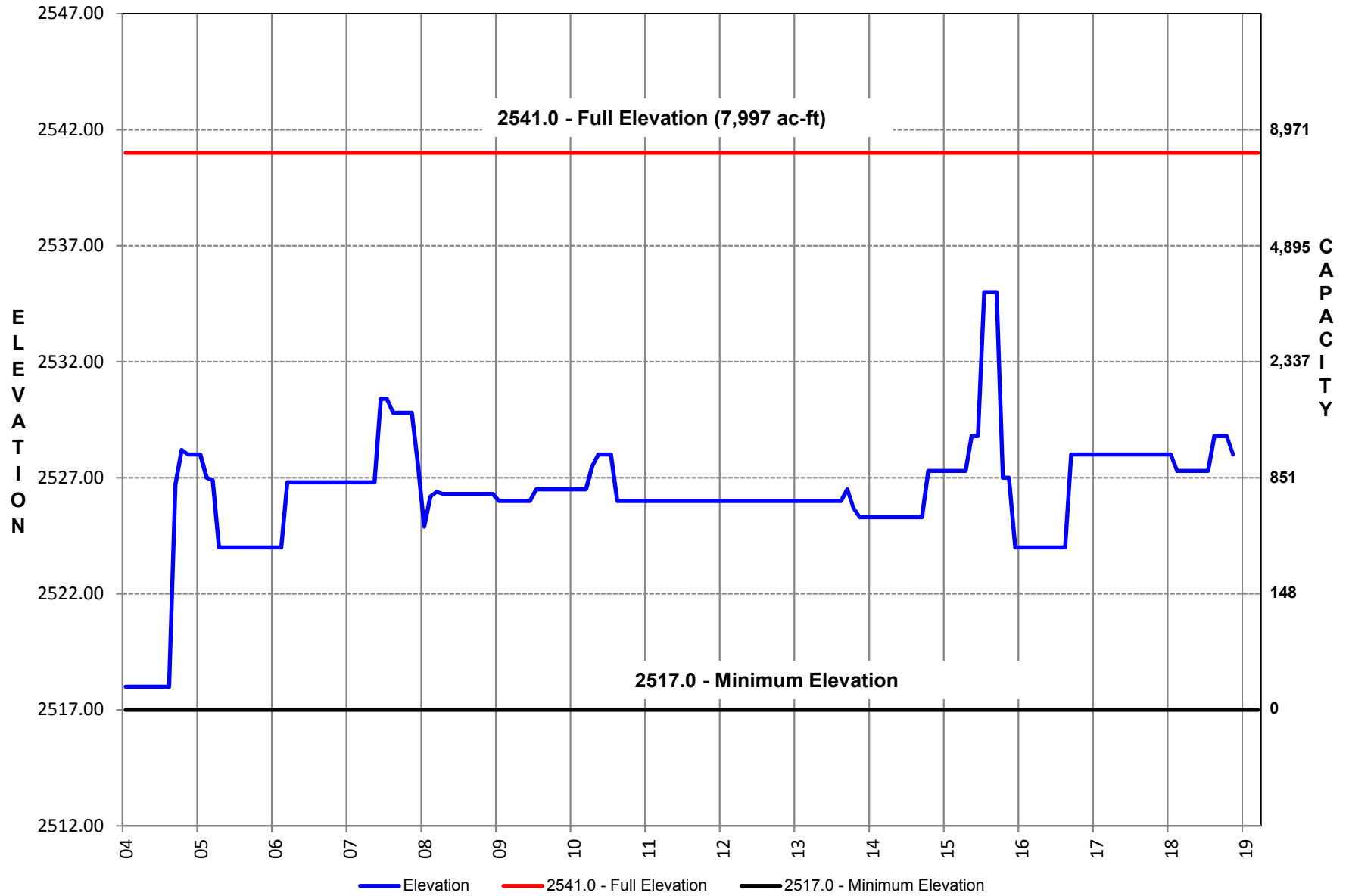
Natural Dam Reservoir

Elevation January 2004 - October 2018



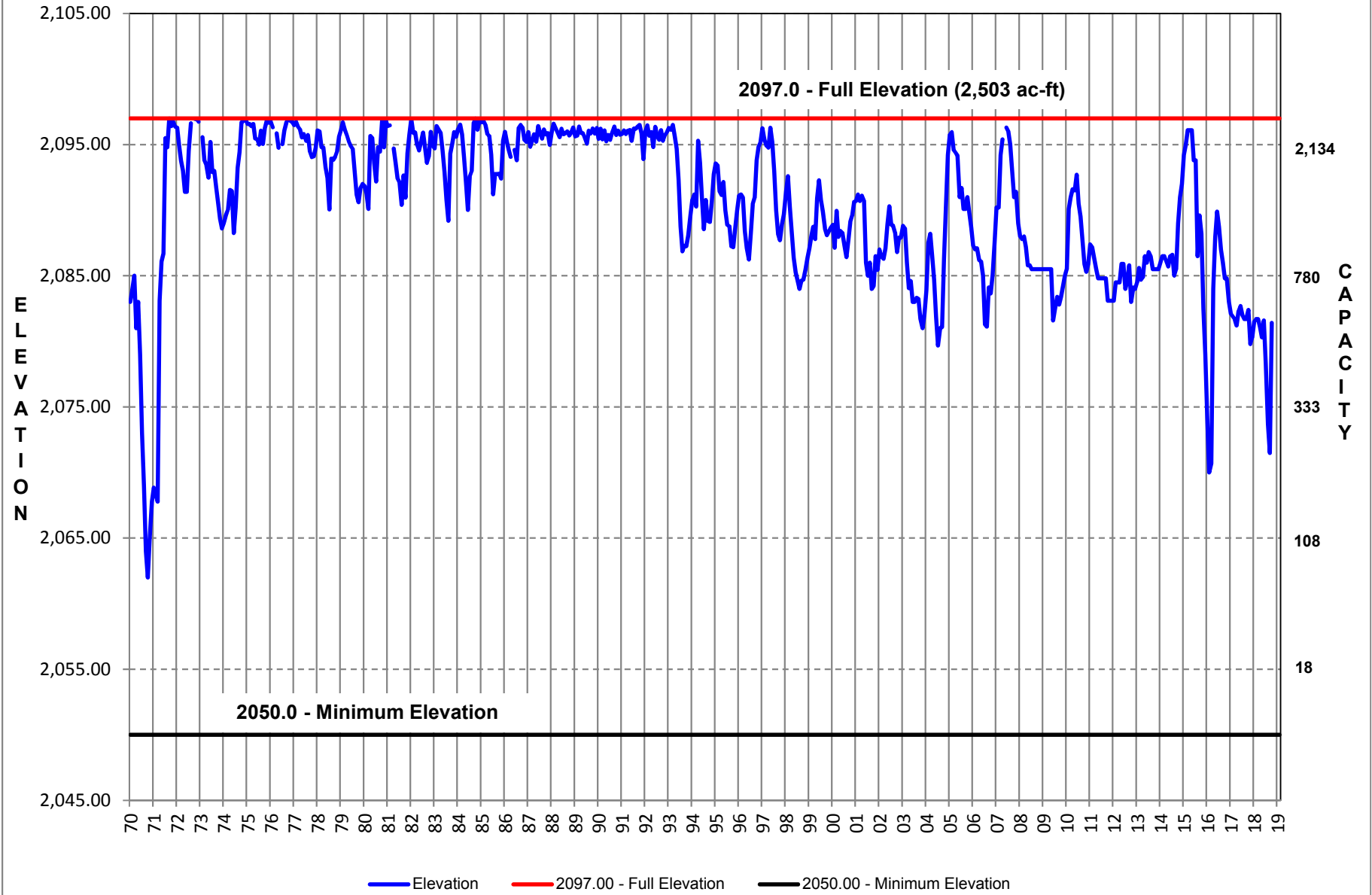
Sulphur Draw Reservoir

Elevation January 2004 - October 2018



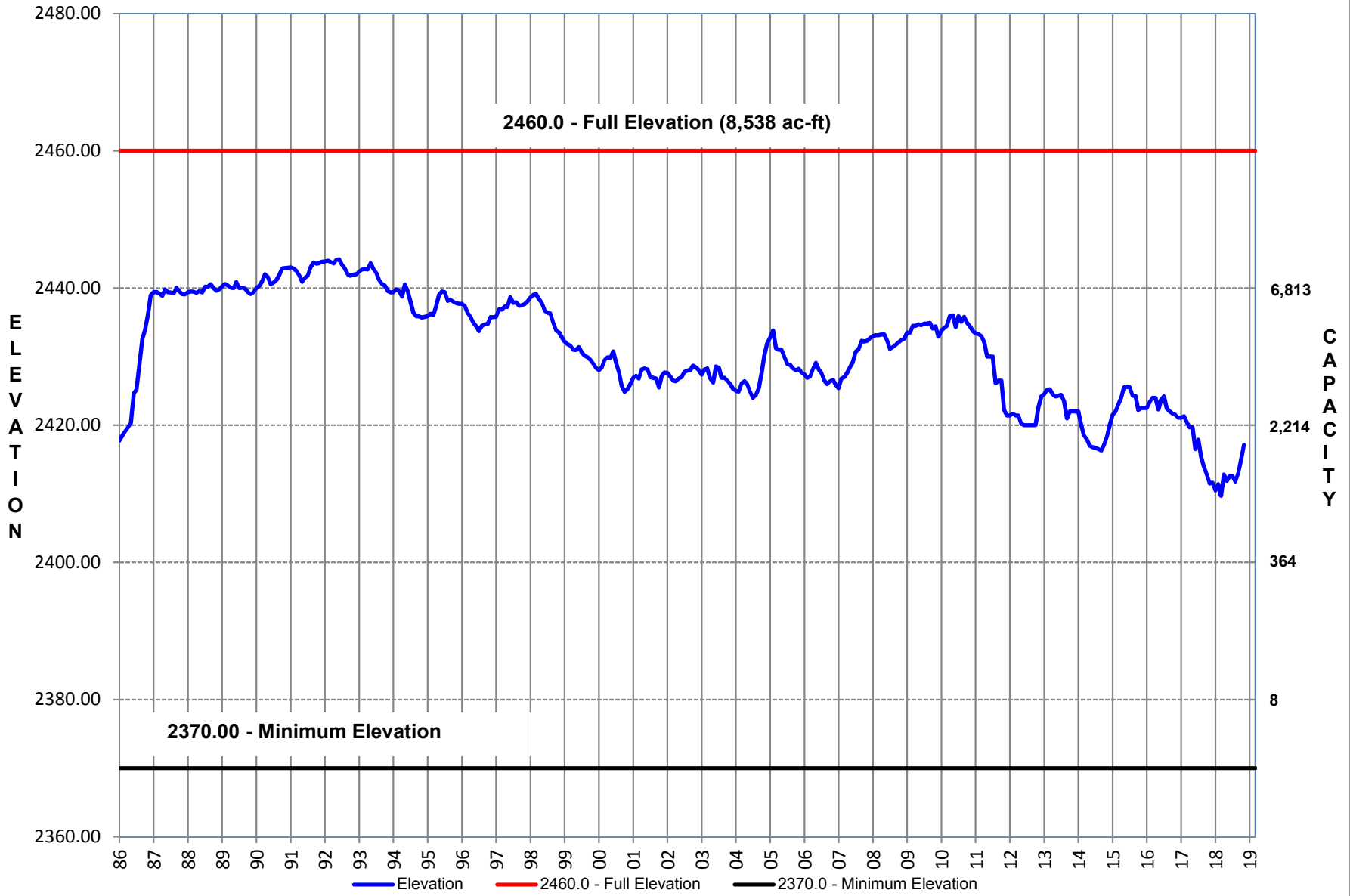
Barber Lake

Elevation February 1970 - October 2018



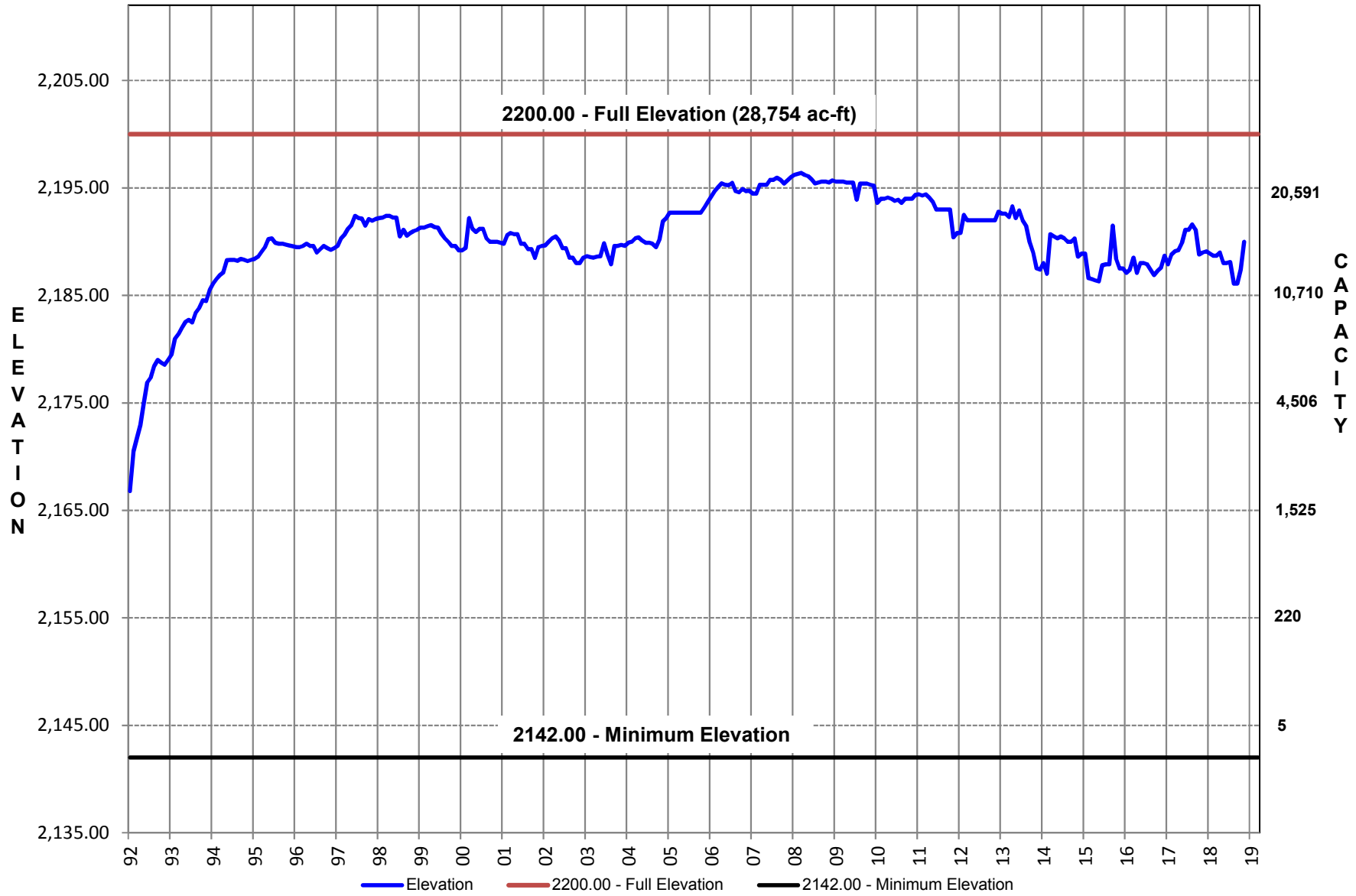
Red Draw

Elevation January 1986 - October 2018



Mitchell County Reservoir

Elevation January 1992 - October 2018

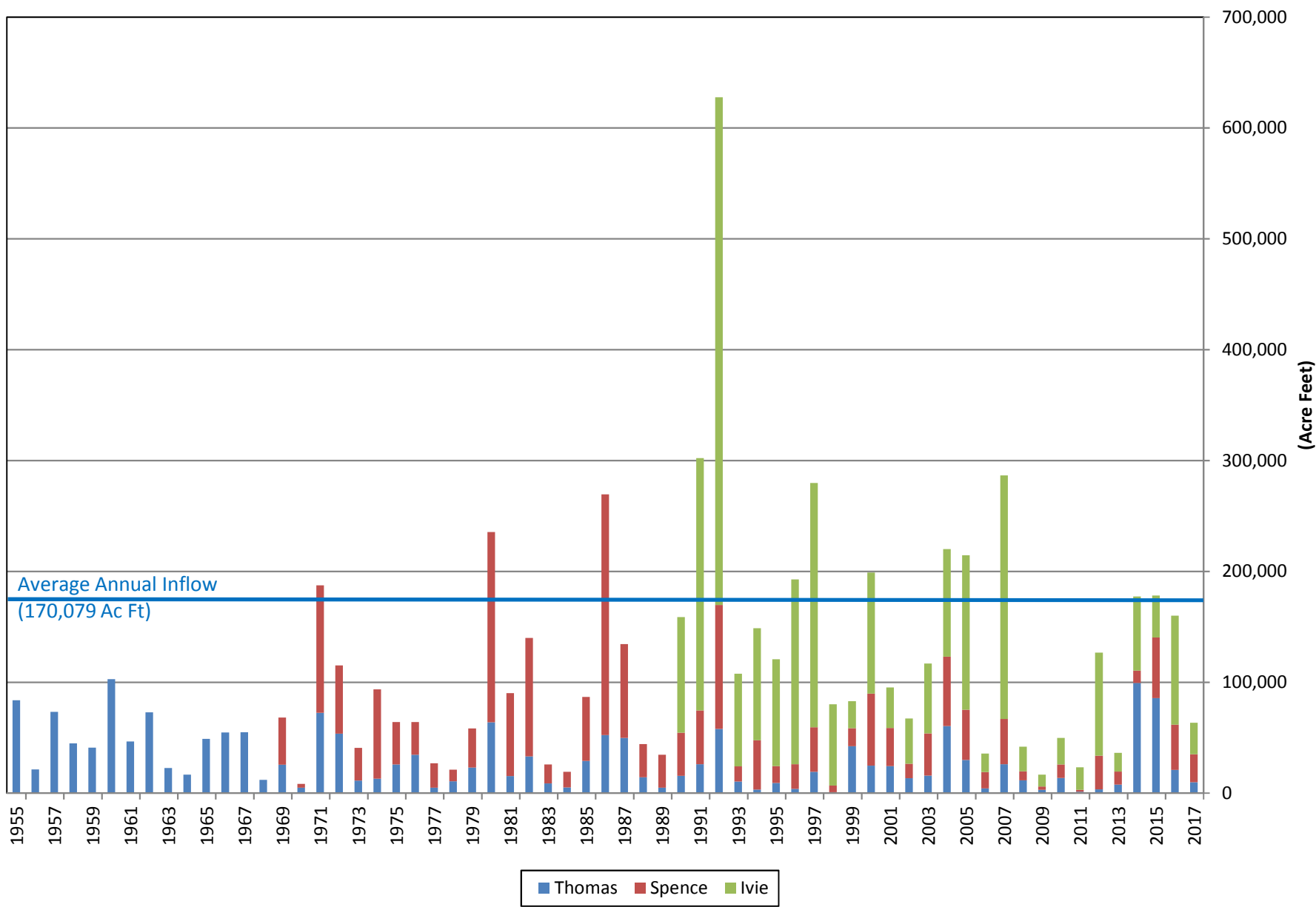


Annual Historical Data

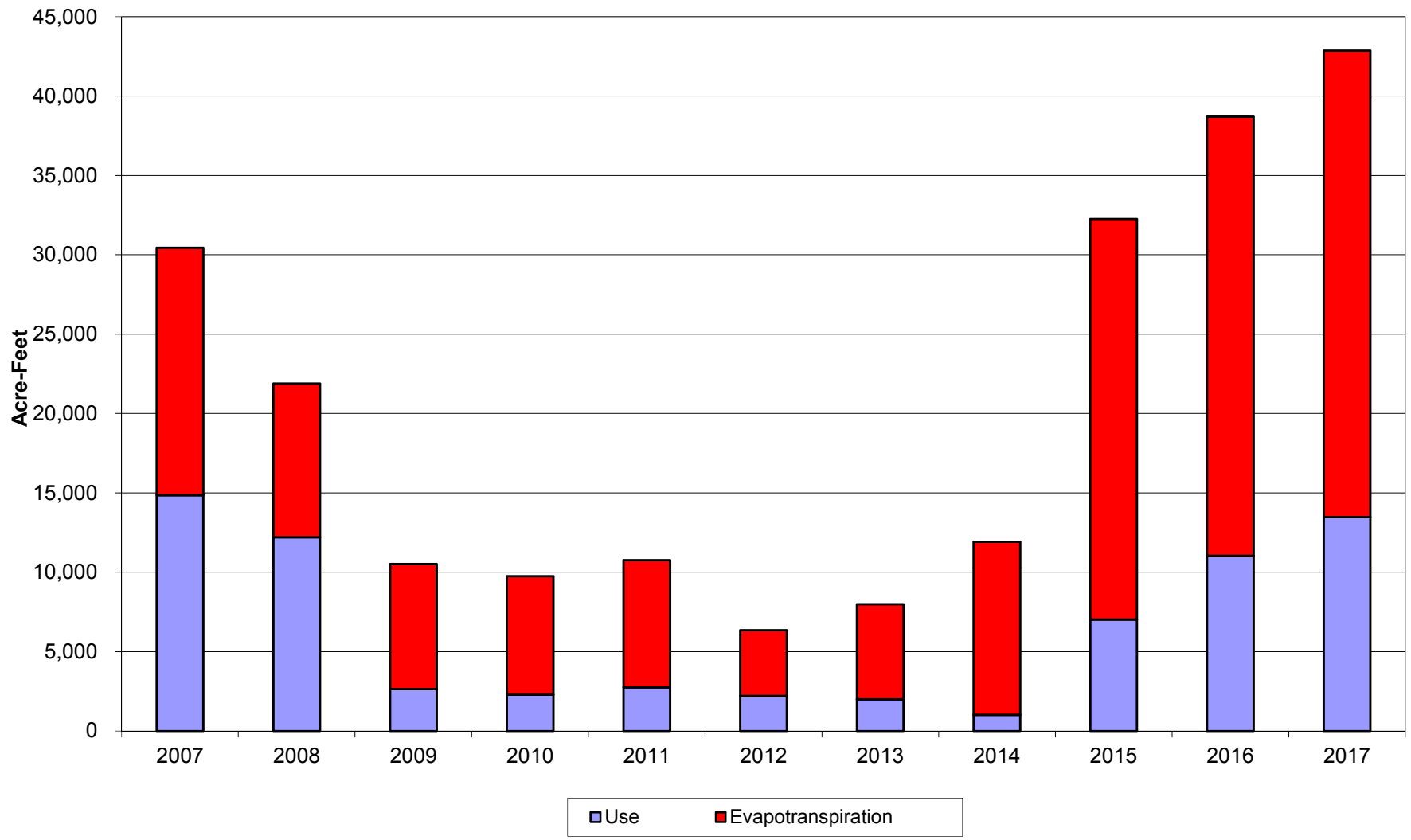
COLORADO RIVER MUNICIPAL WATER DISTRICT
RESERVOIR INFLOW SUMMARY

Calendar Year	J.B. Thomas (AC-FT)	E.V. Spence (AC-FT)	O.H. Ivie (AC-FT)	Total (AC-FT)
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	30,092	43,719	96,269	170,079

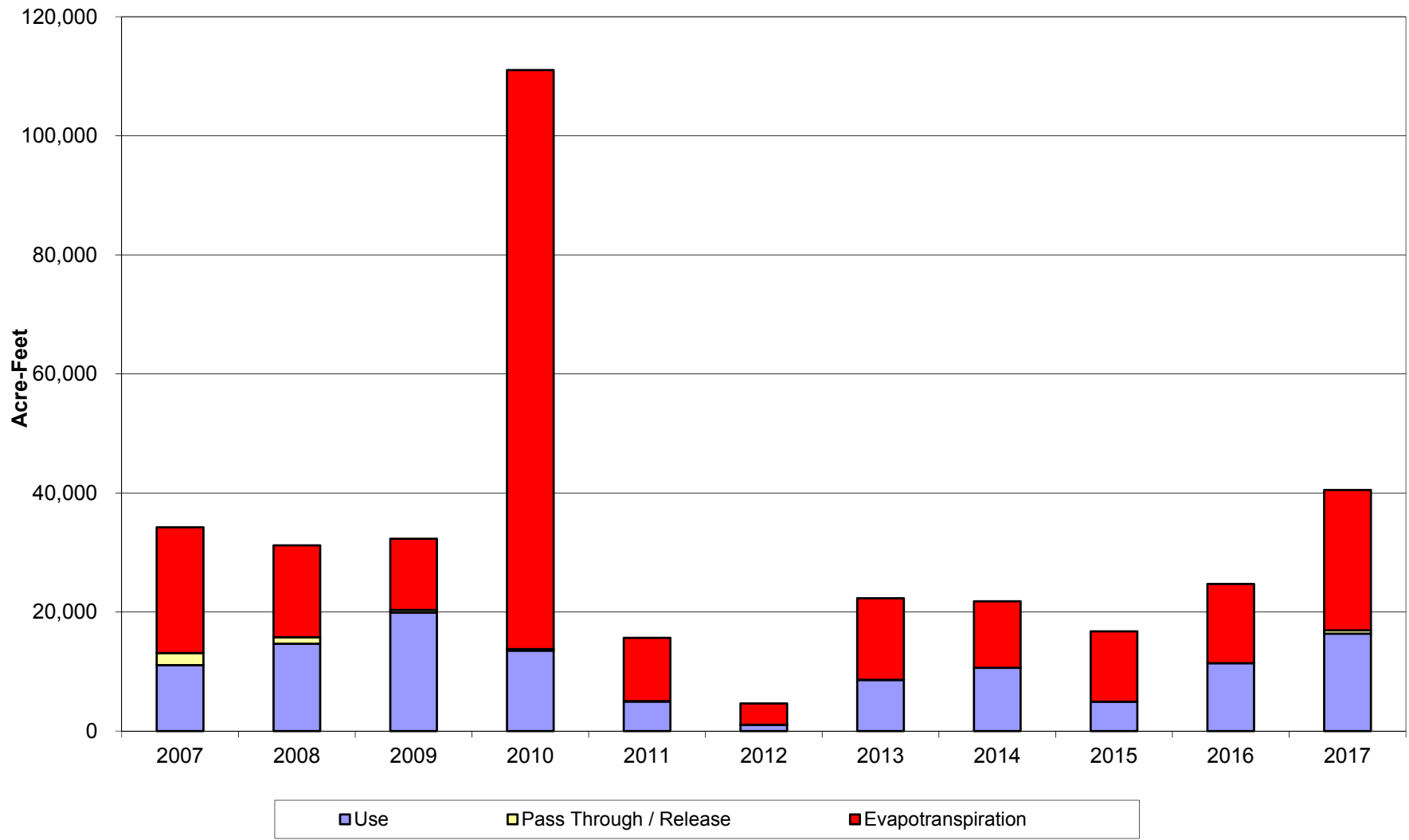
Combined Inflow (1955 through 2017)



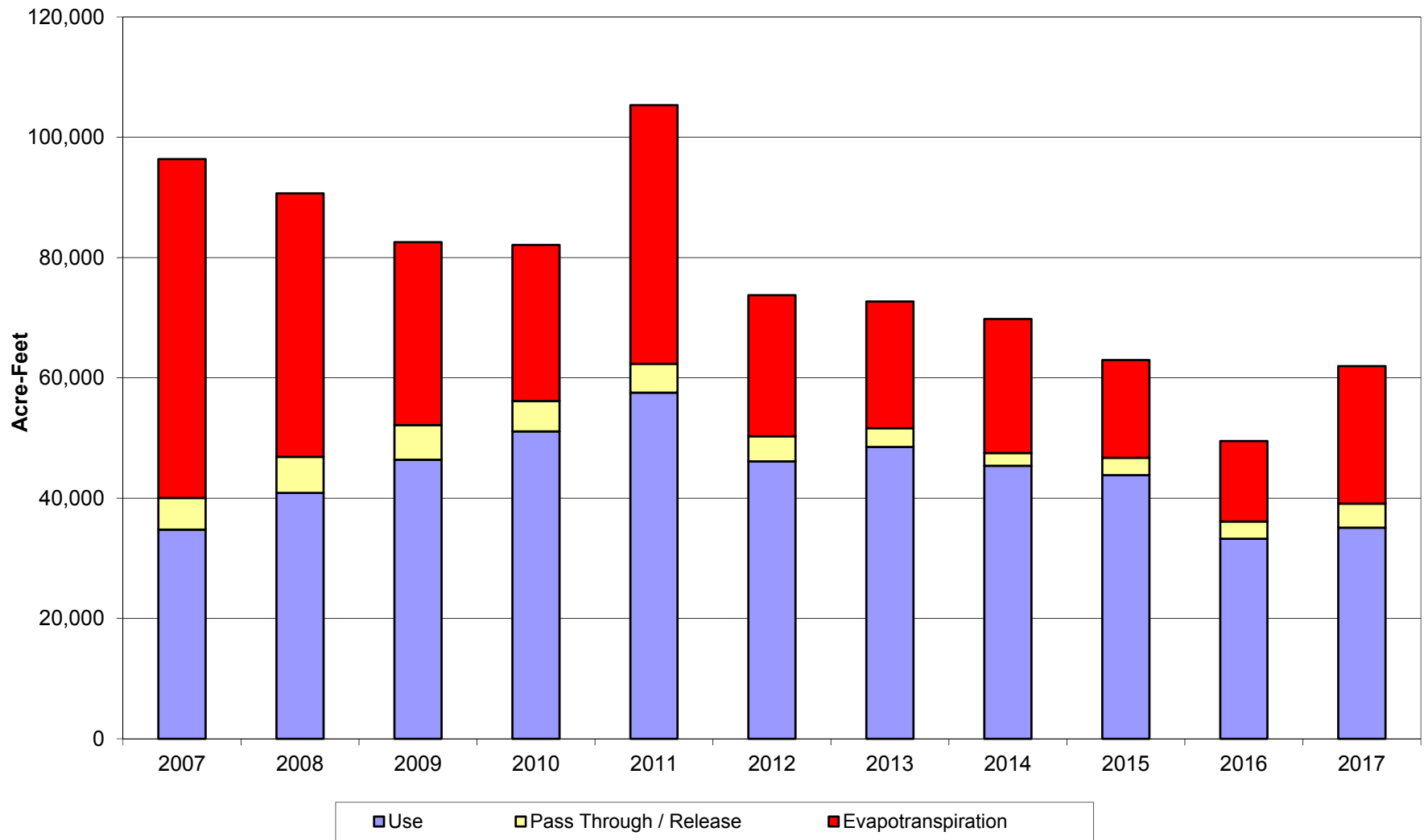
Lake J.B. Thomas
January 2007 thru December 2017



**E.V. Spence Reservoir
January 2007 thru December 2017**



Ivie Reservoir
January 2007 thru December 2017



Colorado River Municipal Water District Historical Water Delivery - FY 1952 - 2017

