



Monthly Water Report

October 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
October 2022**

Raw Water System

Member Cities	Total Deliveries This Month (Gal)	Daily Average For Month (Gal)	Year-to-Date (Gal)
Big Spring	129,300,000	4,170,968	1,498,966,000
Odessa	673,611,300	21,729,397	6,631,559,000
Snyder	57,453,000	1,853,323	620,123,000
Subtotal	860,364,300	27,753,687	8,750,648,000

Municipal Customers

Grandfalls	648,000	20,903	7,462,000
Midland - 1966 Contract	480,421,000	15,497,452	4,283,468,800
Midland - Ivie Contract	35,892,000	1,157,806	1,632,991,000
Millersview Doole WSC	43,481,500	1,402,629	395,910,100
San Angelo - Spence	0	0	0
San Angelo - Ivie	350,300,000	11,300,000	3,655,400,000
Stanton	7,775,200	250,813	73,918,000
Abilene	118,209,000	3,813,194	963,623,000
Subtotal	1,036,726,700	33,442,797	11,012,772,900

Industrial Customers

Alon Rural Meters	3,887,840	125,414	66,066,240
Luminant Generation	9,000	290	9,000
Occidental	620	20	13,640
Parallel Petroleum	15,940	514	85,340
Power Resources	348,000	11,226	72,222,000
Subtotal	4,261,400	137,465	138,396,220

Diverted Water System

Industrial Customers

BASA Resources	69,900	2,255	10,670,800
Sabinal	8,600	277	1,142,600
Rover Operating	1,896,340	61,172	2,889,470
Fleur de Lis Energy	0	0	0
Subtotal	1,974,840	63,705	14,702,870

Total Deliveries	1,903,327,240	61,397,653	19,916,519,990
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**COLORADO RIVER MUNICIPAL WATER DISTRICT
RESERVOIR REPORT
October 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	52,607	
PERCENT FULL	26.22%	
FREE CAPACITY THIS DATE	147,997	
INFLOWS*	890	3,575
PASS THROUGH / RELEASES	0	0
WITHDRAWALS	1,295	11,617
EVAPORATION*	(1,898)	(21,181)

<i><u>ELEVATION ABOVE MEAN SEA LEVEL</u></i>		
ELEVATION WHEN FULL	2,258.00	
ELEVATION THIS DATE	2,229.72	

E. V. Spence Reservoir

<i><u>CONTENTS IN ACRE FEET</u></i>		
CAPACITY WHEN FULL	517,272	
CAPACITY THIS DATE	99,080	
PERCENT FULL	19.15%	
FREE CAPACITY THIS DATE	418,192	
INFLOWS*	2,143	8,361
PASS THROUGH / RELEASES	0	0
WITHDRAWALS	1,411	11,814
EVAPORATION*	(1,675)	(28,279)

<i><u>ELEVATION ABOVE MEAN SEA LEVEL</u></i>		
ELEVATION WHEN FULL	1,898.00	
ELEVATION THIS DATE	1,854.28	

**COLORADO RIVER MUNICIPAL WATER DISTRICT
RESERVOIR REPORT
October 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	223,207	
PERCENT FULL	40.27%	
FREE CAPACITY THIS DATE	331,133	
INFLOWS*	1,326	15,620
PASS THROUGH / RELEASES	105	2,444
WITHDRAWALS	2,989	30,103
SPILLS	0	0
EVAPORATION*	(6,724)	(65,597)
<i><u>ELEVATION ABOVE MEAN SEA LEVEL</u></i>		
ELEVATION WHEN FULL	1,551.50	
ELEVATION THIS DATE	1,528.70	

Moss Creek Lake

<i><u>CONTENTS IN ACRE FEET</u></i>		
CAPACITY WHEN FULL	3,441	
CAPACITY THIS DATE	2,404	
PERCENT FULL	69.86%	
FREE CAPACITY THIS DATE	1,037	
INFLOWS*	180	448
PASS THROUGH / RELEASES	0	0
WITHDRAWALS	(380)	(638)
SPILLS	0	0
EVAPORATION*	(42)	(657)
<i><u>ELEVATION ABOVE MEAN SEA LEVEL</u></i>		
ELEVATION WHEN FULL	2,336.50	
ELEVATION THIS DATE	2,329.46	

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	2,229.72	52,607	3,575	11,617	0	(21,181)
E.V. Spence Reservoir	1,854.28	99,080	8,361	11,814	0	(28,279)
O.H. Ivie Reservoir	1,528.70	223,207	15,620	30,103	2,444	(65,597)
Moss Creek Lake	2,329.46	2,404	448	(638)	0	(657)
	Total	377,298	28,004	52,896	2,444	(115,714)

* Inflow and Evaporation are approximate.

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

	<u>This Month</u>	<u>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	5,396	
PERCENT FULL	9.89%	
FREE CAPACITY THIS DATE	49,164	
INFLOWS*	0	2,241
SPILLS	0	0
EVAPORATION*	(401)	(6,014)
<i><u>ELEVATION ABOVE MEAN SEA LEVEL</u></i>		
ELEVATION WHEN FULL	2,457.00	
ELEVATION THIS DATE	2,435.20	
<u>Sulphur Draw Reservoir</u>		
<i><u>CONTENTS IN ACRE FEET</u></i>		
CAPACITY WHEN FULL	7,997	
CAPACITY THIS DATE	404	
PERCENT FULL	5.05%	
FREE CAPACITY THIS DATE	7,593	
INFLOWS*	0	241
PASS THROUGH / RELEASES	0	0
EVAPORATION*	(46)	(728)
<i><u>ELEVATION ABOVE MEAN SEA LEVEL</u></i>		
ELEVATION WHEN FULL	2,541.00	
ELEVATION THIS DATE	2,524.40	

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

<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	1,088	
PERCENT FULL	43.47%	
FREE CAPACITY THIS DATE	1,415	
INFLOWS*	132	486
WIER FLOW	1	28
PUMPED IN	281	1,840
WITHDRAWALS	0	0
SPILLS	0	0
EVAPORATION*	(31)	(285)

<i><u>ELEVATION ABOVE MEAN SEA LEVEL</u></i>		
ELEVATION WHEN FULL	2,097.00	
ELEVATION THIS DATE	2,088.05	

Red Draw

<i><u>CONTENTS IN ACRE FEET</u></i>		
CAPACITY WHEN FULL	8,538	
CAPACITY THIS DATE	3,037	
PERCENT FULL	35.57%	
FREE CAPACITY THIS DATE	5,501	
INFLOWS*	150	1200
PUMPED IN	44	362
WITHDRAWALS	0	0
SPILLS	0	0
EVAPORATION*	(59)	(967)

<i><u>ELEVATION ABOVE MEAN SEA LEVEL</u></i>		
ELEVATION WHEN FULL	2,445.00	
ELEVATION THIS DATE	2,424.90	

**COLORADO RIVER MUNICIPAL WATER DISTRICT
 DIVERTED / WATER QUALITY ENHANCEMENT SYSTEM
 RESERVOIRS REPORT
 October 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	5,762	
PERCENT FULL	21.13%	
FREE CAPACITY THIS DATE	21,504	
INFLOWS*	212	485
SPILLS	0	0
TRANSFERS IN	0	(1)
EVAPORATION*	(171)	(2,893)
<u>ELEVATION ABOVE MEAN SEA LEVEL</u>		
ELEVATION WHEN FULL	2,200.00	
ELEVATION THIS DATE	2,177.59	

Diverted / Water Quality Enhancement System Summary				
Reservoir	Elevation	Capacity	Year to Date Inflow (Acre Feet)	Year to Date Evaporation (Acre Feet)
Natural Dam	2,435.20	5,396	2,241	(6,014)
Sulphur Draw	2,524.40	404	241	(728)
Barber Lake	2,088.05	1,088	486	(285)
Red Draw	2,424.90	3,037	1,200	(967)
Mitchell County Reservoir	2,177.59	5,762	485	(2,893)
Total		15,687	4,653	(10,887)

* Inflow and Evaporation are approximate.

Water Quality Diversions		
Source	Current Month (Acre Feet)	Year to Date (Acre Feet)
Colorado River	281	1,840
Beals Creek	106	948
Total	387	2,787

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

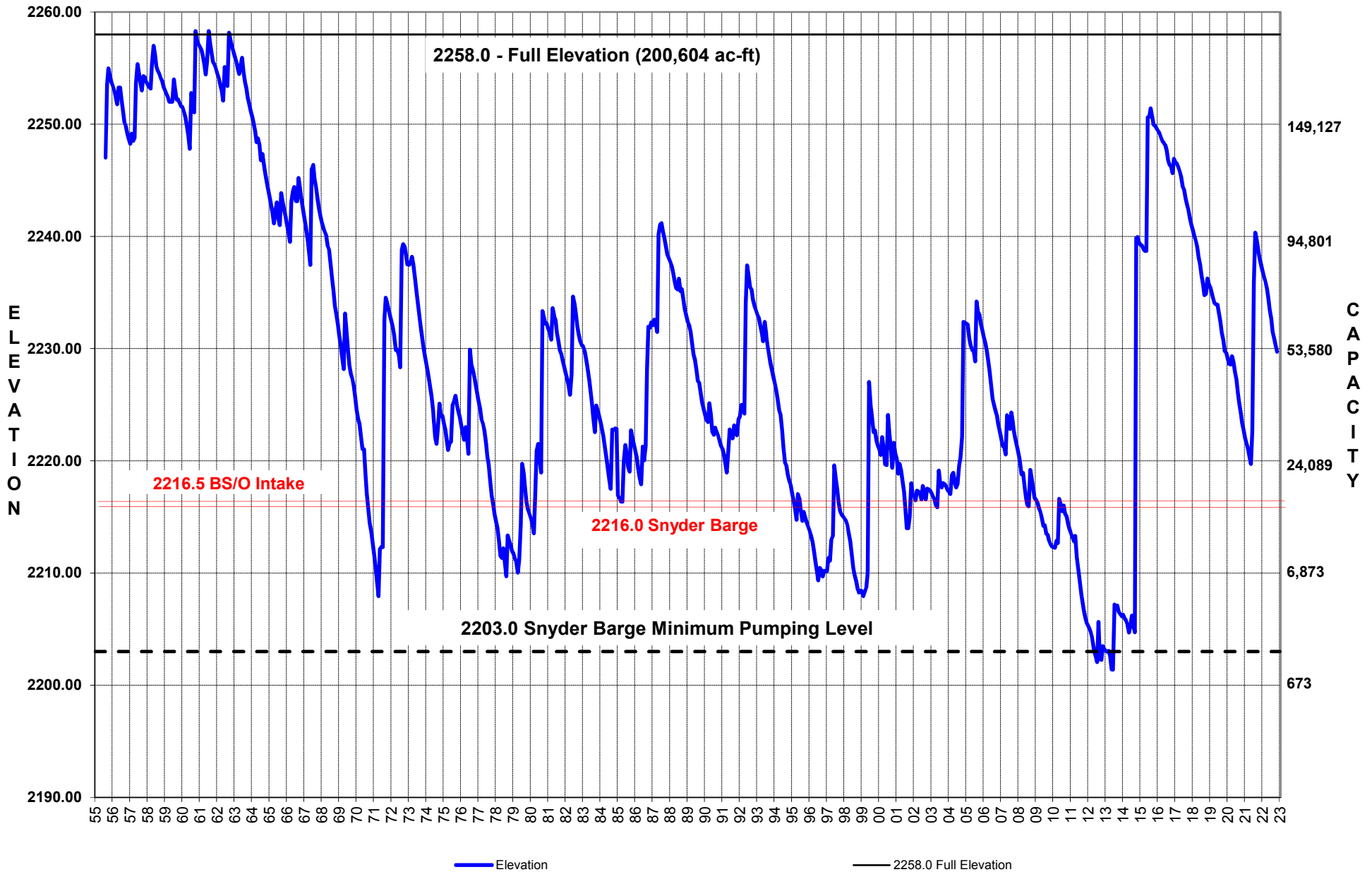
<u>Well Field</u>	<u>Production This Month (Gallons)</u>	<u>Daily Average for Month (Gal)</u>	<u>Production Year- to-Date (Gallons)</u>
Ward County North Well Field	6,412,000	206,839	1,371,804,820
Ward County South Well Field	1,155,000	37,258	96,774,000
Odessa Well Field (Out of Service)	0	0	0
Martin County Well Field	0	0	16,523,200
Snyder Well Field	0	0	0
Total	7,567,000	244,097	1,485,102,020

**BIG SPRING RAW WATER PRODUCTION FACILITY
PRODUCTION REPORT
October 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	1,990,000	64,194	21,400,000

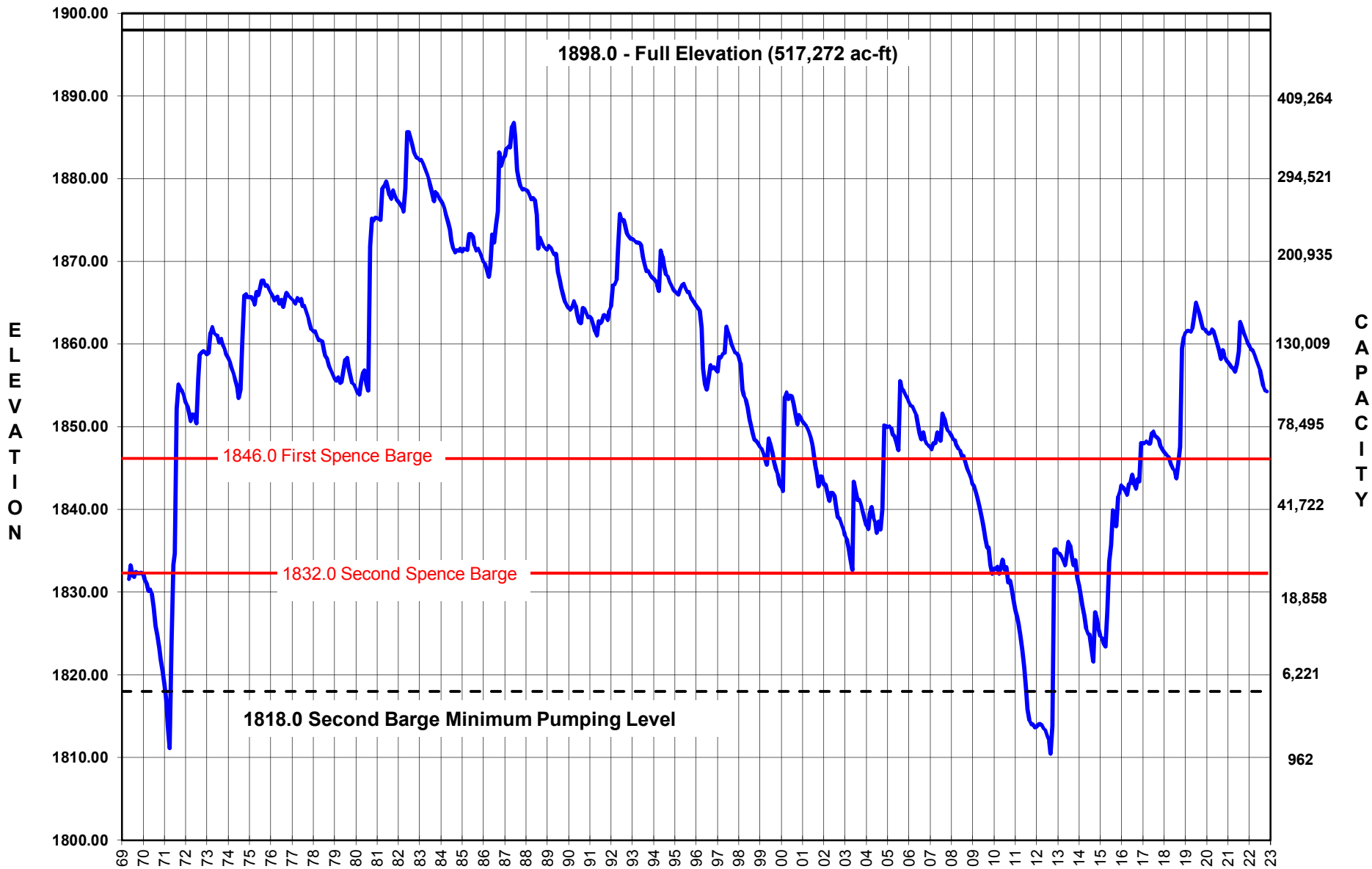
LAKE J.B. THOMAS

Elevation August 1955 - October 2022



E.V. SPENCE RESERVOIR

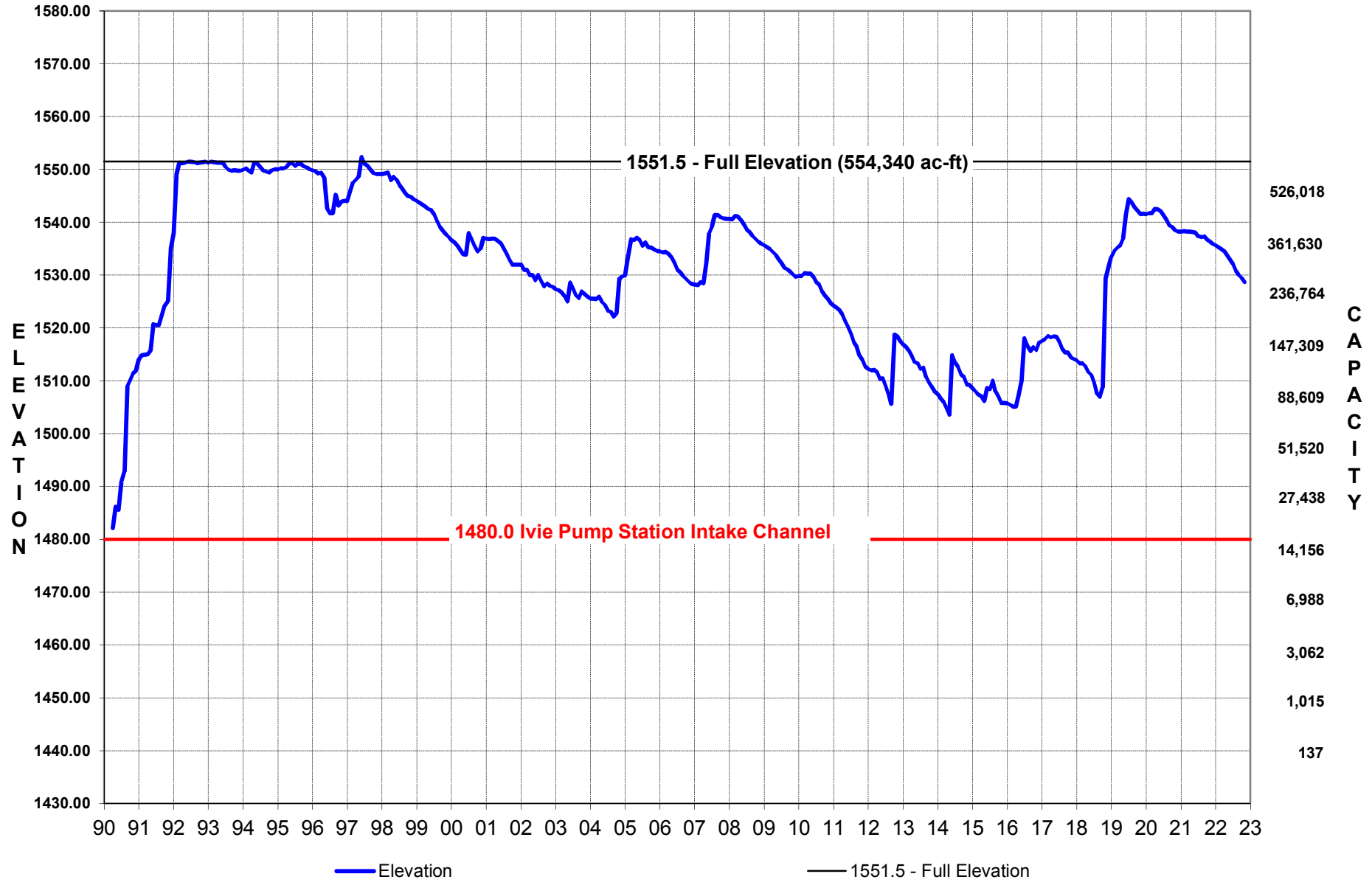
Elevation May 1969 - October 2022



— Elevation — 1898.0-Full Elevation

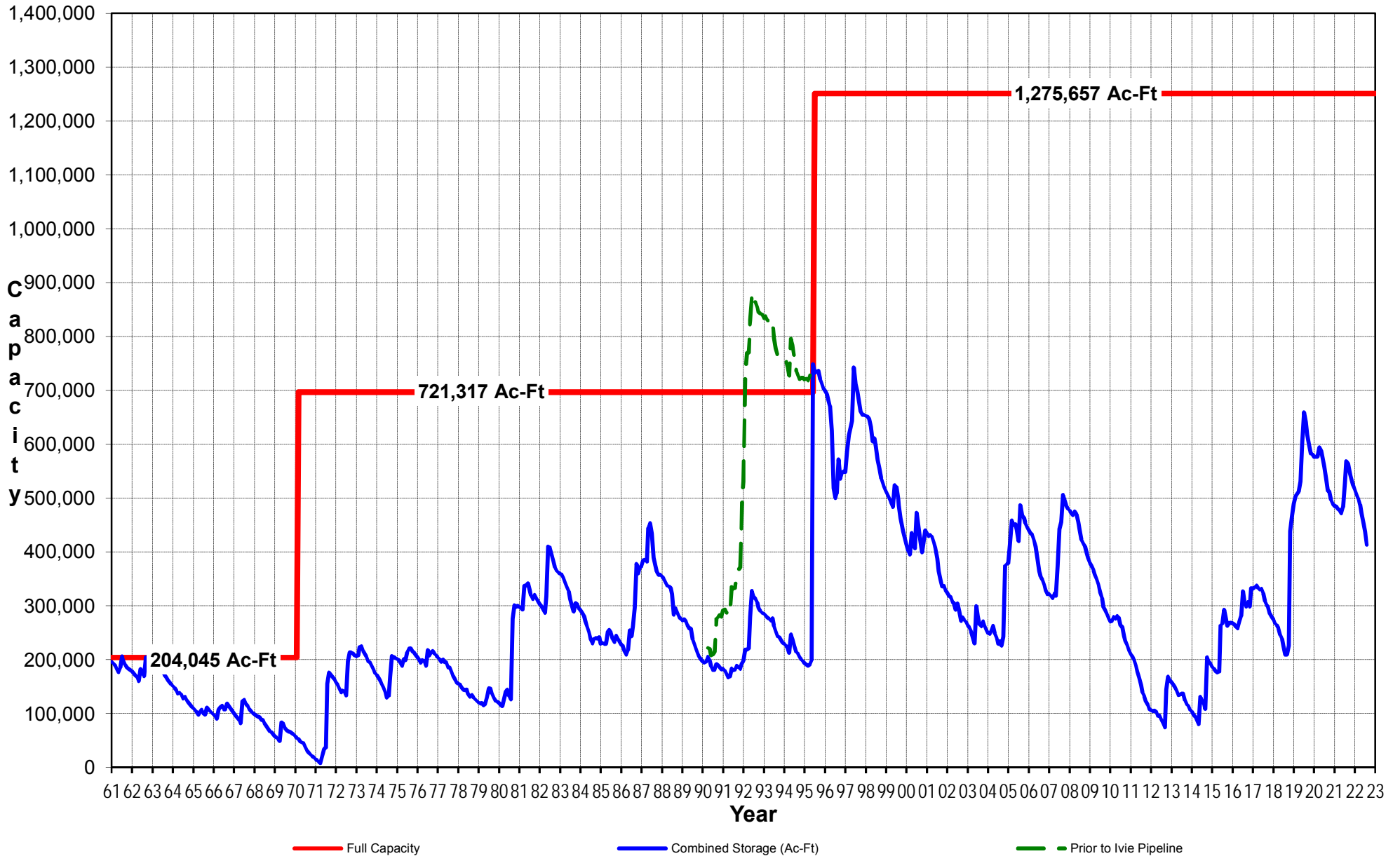
O.H. IVIE RESERVOIR

Elevation April 1990 - October 2022



COLORADO RIVER MUNICIPAL WATER DISTRICT

COMBINED STORAGE Thomas, Spence, Moss, Ivie



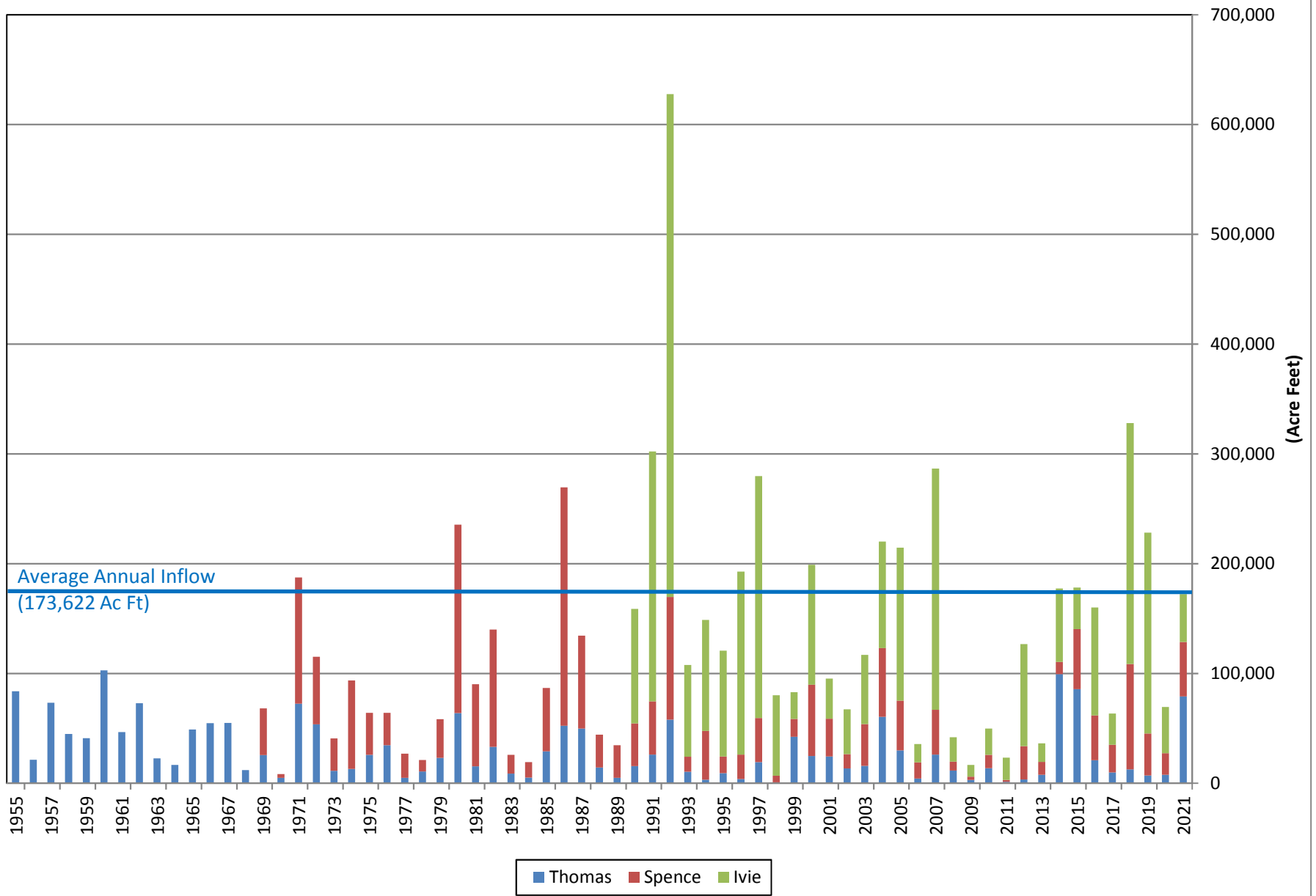
Annual Historical Data

COLORADO RIVER MUNICIPAL WATER DISTRICT

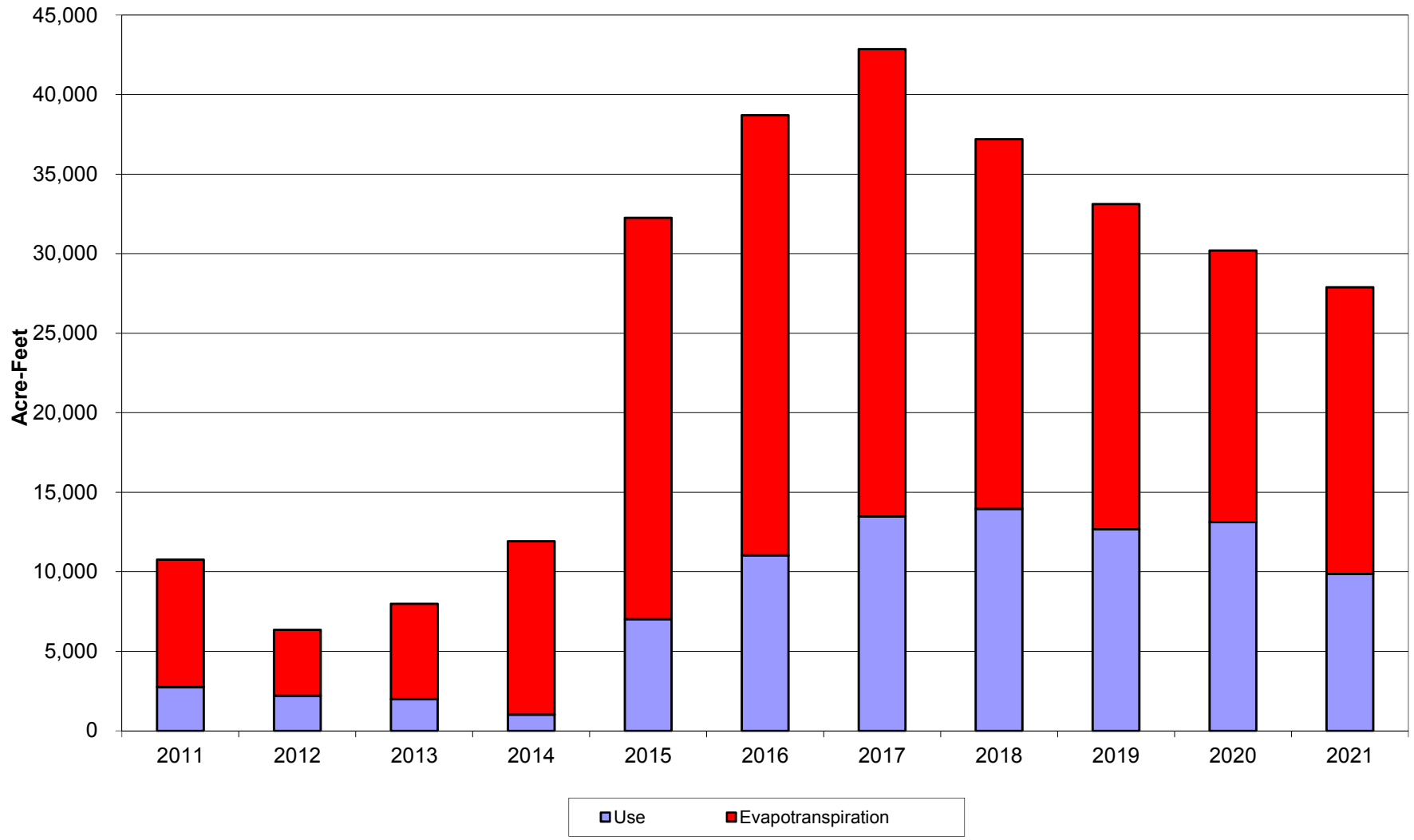
RESERVOIR INFLOW SUMMARY

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

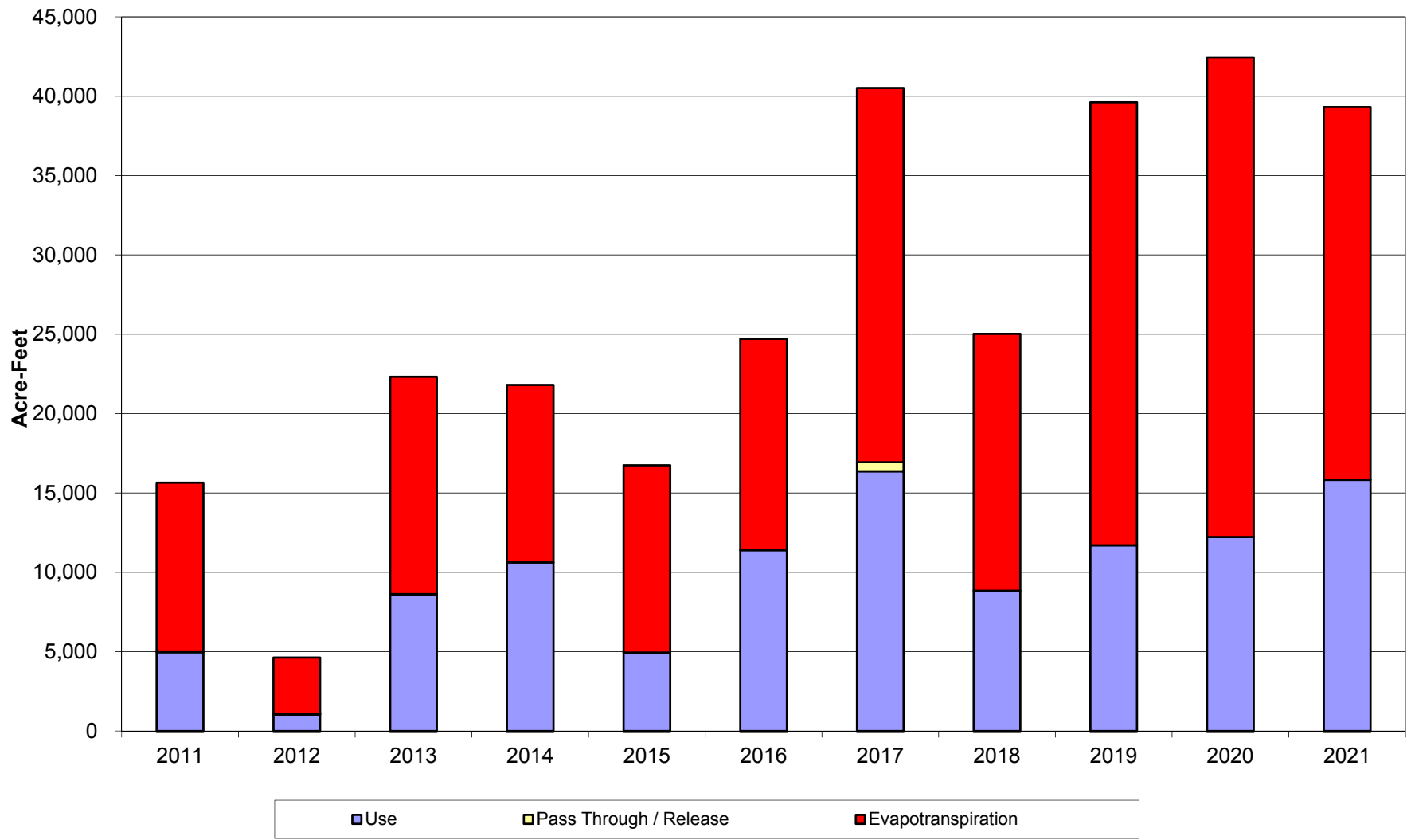
Combined Inflow (1955 through 2021)



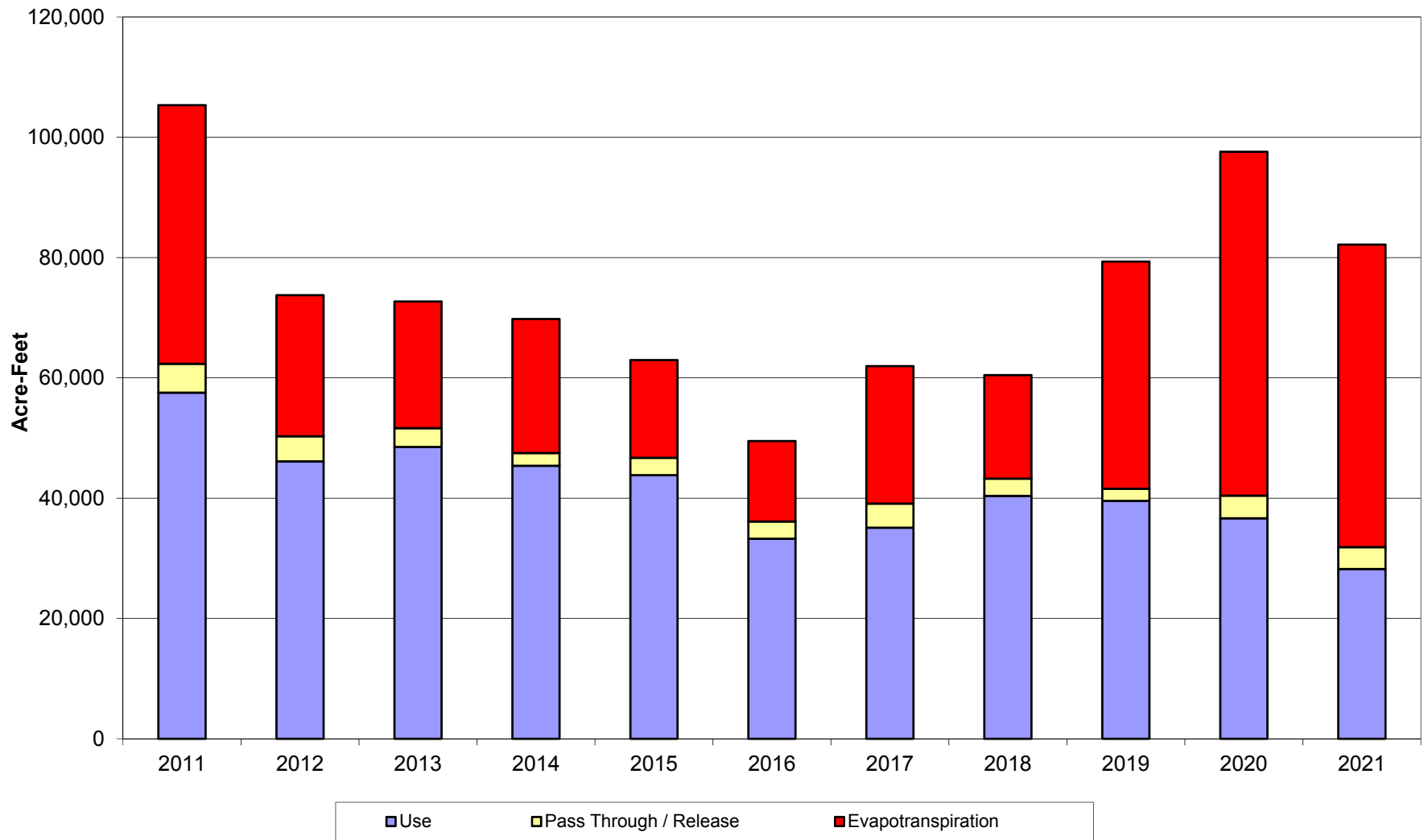
Lake J.B. Thomas
January 2011 thru December 2021



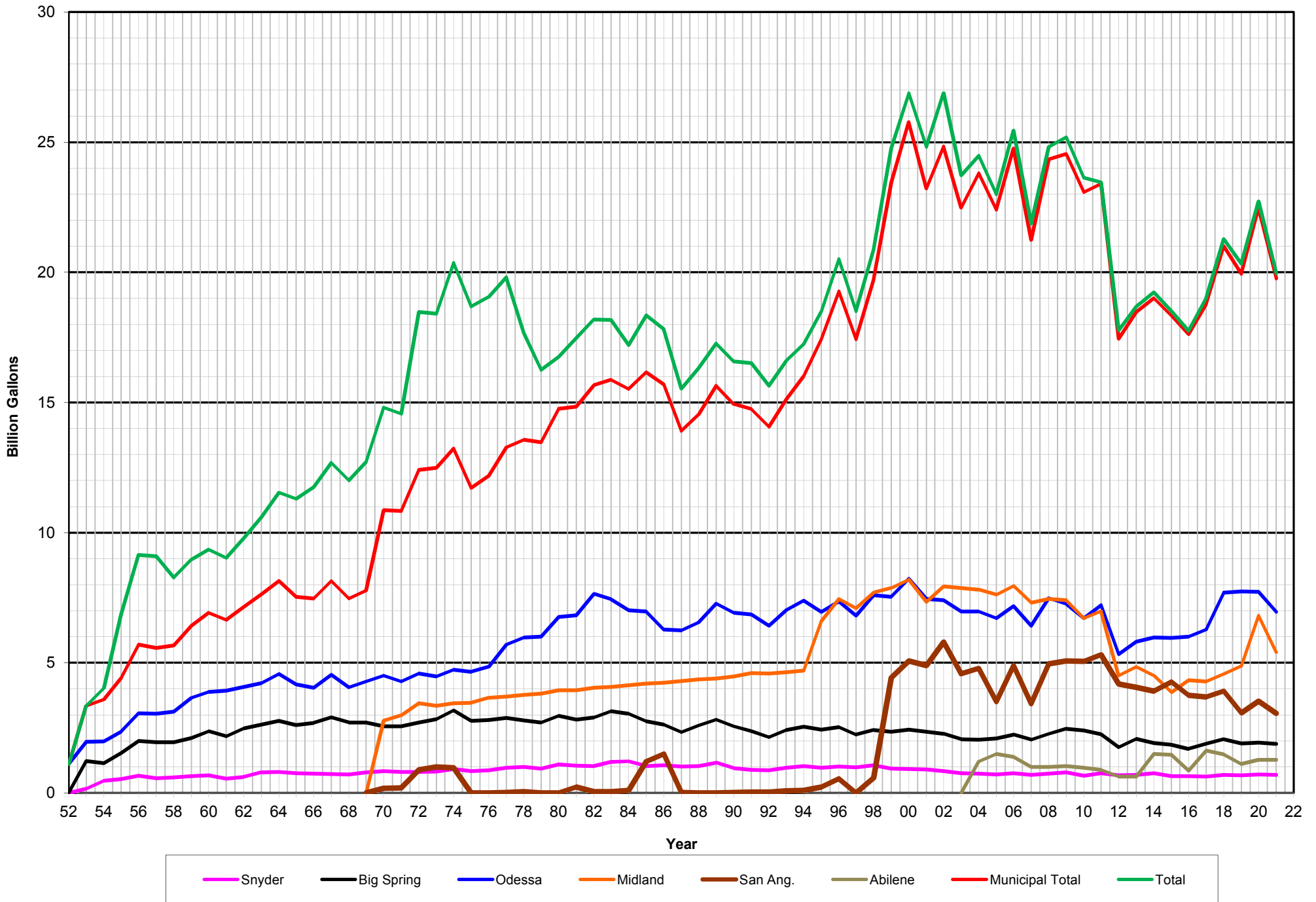
**E.V. Spence Reservoir
January 2011 thru December 2021**



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

