

**M E L V E R N L A K E - R E S E R V O I R A C C O U N T I N G**  
Calendar Year 2023

Date	Conservation Pool 2017 Survey Results 1,036.00 147,972		INFLOW Monthly Inflow (AF)	OUTFLOW Monthly Outflow (AF)	PRECIP Monthly Precip. (inches)	EVAP Reservoir Evap. (AF)	Other/Local				Municipal Assurance				Industrial Assurance				Reserve Capacity				Water Marketing				Water Quality										
	EOM Elevation (MSL)	EOM Storage (AF)					Inflow Share (AF)	Use (AF)	Evap. Share (AF)	EOM Storage (%)	Inflow Share (AF)	Use (AF)	Evap. Share (AF)	EOM Storage (%)	Inflow Share (AF)	Use (AF)	Evap. Share (AF)	EOM Storage (%)	Inflow Share (AF)	Use (AF)	Evap. Share (AF)	EOM Storage (%)	Inflow Share (AF)	Use (AF)	Evap. Share (AF)	EOM Storage (%)	Inflow Share (AF)	Use (AF)	Evap. Share (AF)	EOM Storage (%)	Inflow Share (AF)	Use (AF)	Evap. Share (AF)	EOM Storage (%)			
																																			51,692	4,606	3,590
Jan	1,033.29	130,357	1,785	1,230	1.15	1,287	493	0	508	92%	51,709	44	0	45	92%	4,608	49	0	35	64%	3,607	226	0	233	92%	23,735	129	69	129	89%	13,100	358	721	337	82%	33,599	
Feb	1,033.65	132,521	3,909	1,111	1.93	653	1,283	0	259	94%	52,763	114	0	23	94%	4,702	128	0	18	66%	3,720	589	0	119	94%	24,218	335	59	66	91%	13,318	934	564	168	83%	33,800	
Mar	1,034.07	135,149	4,431	1,230	1.63	573	1,451	0	228	96%	54,009	129	0	20	96%	4,813	145	0	16	69%	3,852	666	0	105	96%	24,791	379	63	58	93%	13,582	1056	607	146	84%	34,102	
Apr	1,034.05	135,024	2,400	1,190	1.38	1,333	685	0	533	97%	54,185	61	0	47	97%	4,828	68	0	38	69%	3,884	314	0	244	97%	24,871	179	64	134	93%	13,569	498	578	336	83%	33,686	
May	1,034.94	140,784	8,648	1,230	3.02	1,662	2,503	0	667	100%	56,126	223	0	59	100%	5,001	304	0	48	74%	4,176	1149	0	306	100%	25,762	795	71	167	97%	14,217	2216	0	415	87%	35,502	
Jun	1,034.43	137,430	587	1,190	2.22	2,749	83	0	1,096	98%	55,142	7	0	98	98%	4,914	8	0	82	73%	4,105	38	0	503	98%	25,310	22	79	278	95%	13,890	60	800	693	83%	34,069	
Jul	1,034.14	135,587	3,469	1,230	4.65	4,088	1,125	0	1,640	97%	54,663	100	0	146	97%	4,871	112	0	122	73%	4,099	516	0	753	97%	25,090	294	90	413	93%	13,690	818	700	1013	81%	33,174	
Aug	1,033.44	131,254	1,803	1,216	2.18	4,925	500	0	1,986	95%	53,214	45	0	177	95%	4,742	50	0	149	71%	4,004	230	0	911	95%	24,425	131	91	497	90%	13,242	364	706	1205	77%	31,628	
Sep																																					
Oct																																					
Nov																																					
Dec																																					
<b>TOTAL</b>			<b>27,033</b>	<b>9,626</b>	<b>18.16</b>	<b>17270</b>	<b>8123</b>	<b>0</b>	<b>6916</b>			<b>724</b>	<b>0</b>	<b>616</b>			<b>866</b>	<b>0</b>	<b>508</b>			<b>3729</b>	<b>0</b>	<b>3175</b>			<b>2262</b>	<b>585</b>	<b>1741</b>			<b>6304</b>	<b>4675</b>	<b>4314</b>			

AF - Acre Feet  
EOM - End of Month  
Evap. - Evaporation  
Precip. - Precipitation  
MSL - Mean Sea Level

Water Marketing - Storage dedicated to serving customers of the Water Marketing Program, sufficient for a drought having a 2% chance occurrence.  
Water Conservation Plan triggers issued by KWO are based on remaining Water Marketing Storage, as follows:  
Water Watch: 75%      Water Warning & Emergency: No specific remaining storage threshold. KWO will issue if any monitored drought indicator is observed to be more severe than the 2% chance condition.

Municipal Assurance - Storage dedicated to serving municipal members of Marias des Cygnes River Water Assurance District No. 2.  
Industrial Assurance - Storage dedicated to serving industrial members of Marias des Cygnes River Water Assurance District No. 2.  
Reserve Capacity - Storage that is owned by the State but has not yet been needed for either the Water Marketing or Water Assurance programs.  
Water Quality - Storage that is managed jointly by the U.S. Army Corps of Engineers and the Kansas Water Office and is used to serve downstream water quality needs.  
Other/Local - Storage that serves in lake needs.