

MELVERN LAKE - RESERVOIR ACCOUNTING

Calendar Year 2018

Date	Conservation Pool 2009 Survey Results		INFLOW	OUTFLOW	PRECIP	EVAP	Other/Local				Municipal Assurance				Industrial Assurance				Reserve Capacity				Water Marketing				Water Quality									
	EOM Elevation (MSL)	EOM Storage (AF)					Monthly Inflow (AF)	Monthly Outflow (AF)	Monthly Precip. (inches)	Reservoir Evap. (AF)	Inflow Share (AF)	Use (AF)	Evap. Share (AF)	EOM Storage (AF)	Inflow Share (AF)	Use (AF)	Evap. Share (AF)	EOM Storage (AF)	Inflow Share (AF)	Use (AF)	Evap. Share (AF)	EOM Storage (AF)	Inflow Share (AF)	Use (AF)	Evap. Share (AF)	EOM Storage (AF)	Inflow Share (AF)	Use (AF)	Evap. Share (AF)	EOM Storage (AF)	Inflow Share (AF)	Use (AF)	Evap. Share (AF)	EOM Storage (AF)		
	1,036.00	149,630																																	55,373	4,934
Jan	1,034.91	142,167	343	1,230	0.53	377	23	0	145	97%	55,278	2	0	13	97%	4,926	2	0	15	97%	5,523	10	0	67	97%	25,373	6	72	38	96%	14,211	16	926	99	89%	36,856
Feb	1,034.75	141,146	426	1,111	0.87	331	68	0	129	97%	55,238	6	0	11	97%	4,922	7	0	13	97%	5,519	31	0	59	97%	25,355	18	63	33	95%	14,139	50	847	86	87%	35,972
Mar	1,035.06	143,152	3,630	1,230	2.39	409	1,197	0	160	99%	56,303	107	0	14	99%	5,017	120	0	16	99%	5,626	549	0	73	99%	25,843	312	59	41	97%	14,358	871	734	104	87%	36,005
Apr	1,034.81	141,529	585	1,190	1.05	1,035	60	0	407	99%	55,985	5	0	36	99%	4,989	6	0	41	99%	5,594	28	0	187	99%	25,697	16	61	104	96%	14,217	44	742	260	85%	35,046
May	1,034.75	141,146	2,698	1,230	3.16	1,863	812	0	737	99%	56,094	72	0	66	99%	4,999	81	0	74	99%	5,605	373	0	338	99%	25,747	212	76	187	96%	14,175	591	650	461	84%	34,526
Jun	1,034.21	137,700	823	1,190	1.81	3,092	177	0	1,229	97%	55,076	16	0	110	97%	4,908	18	0	123	97%	5,503	81	0	564	97%	25,280	46	77	311	93%	13,842	129	808	756	80%	33,090
Jul	1,033.53	133,538	994	1,230	2.69	3,929	256	0	1,572	95%	53,792	23	0	140	95%	4,793	26	0	157	95%	5,375	118	0	721	95%	24,691	67	80	395	91%	13,443	187	888	944	76%	31,444
Aug	1,034.04	136,641	8,817	1,230	7.98	4,489	3,134	0	1,808	97%	55,148	279	0	161	97%	4,914	313	0	181	97%	5,510	1438	0	830	97%	25,313	818	75	452	93%	13,742	2279	653	1057	78%	32,014
Sep	1,033.68	134,439	2,430	1,190	1.95	3,437	738	0	1,387	96%	54,521	66	0	124	96%	4,858	74	0	139	96%	5,448	339	0	637	96%	25,025	193	66	346	91%	13,528	537	687	805	75%	31,058
Oct	1,038.63	168,641	58,573	21,077	8.37	3,293	2,564	0	331	100%	56,755	228	0	29	100%	5,057	256	0	33	100%	5,671	1177	0	152	100%	26,051	1432	64	82	100%	14,813	10602	188	188	100%	41,283
Nov	1,037.53	160,492	2,360	8,892	0.41	1,613	0	0	0	100%	56,755	0	0	0	100%	5,057	0	0	0	100%	5,671	0	0	0	100%	26,051	56	58	0	100%	14,813	0	0	0	100%	41,283
Dec																																				
TOTAL			81,679	40,799	31.21	23867	9030	0	7905			805	0	704			902	0	790			4145	0	3628			3175	750	1988			15305	7125	4762		

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.  
 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.