

MELVERN LAKE - RESERVOIR ACCOUNTING

Calendar Year 2017

Date	Conservation Pool 2009 Survey Results 1,036.00 149,630		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 (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)						
Jan	1,034.25	137,955	2,549	11,798	0.00	430	169	0	165	100%	56,755	16	0	15	100%	5,057	17	0	17	100%	5,675	78	0	76	100%	26,051	155	61	43	100%	14,813	534	10197	115	72%	29,604
Feb	1,034.14	137,253	744	1,111	0.11	333	87	0	137	100%	56,723	8	0	12	100%	5,055	9	0	14	100%	5,672	40	0	63	100%	26,036	23	53	36	100%	14,752	63	581	72	70%	29,014
Mar	1,038.46	167,362	31,716	1,230	4.38	373	174	0	143	100%	56,755	15	0	13	100%	5,057	17	0	14	100%	5,675	80	0	65	100%	26,051	154	56	37	100%	14,813	8581	0	73	100%	41,283
Apr	1,037.65	161,362	50,629	55,534	4.77	1,097	0	0	0	100%	56,755	0	0	0	100%	5,057	0	0	0	100%	5,675	0	0	0	100%	26,051	57	57	0	100%	14,813	0	0	0	100%	41,283
May	1,038.38	166,759	24,347	17,110	3.19	1,841	0	0	0	100%	56,755	0	0	0	100%	5,057	0	0	0	100%	5,675	0	0	0	100%	26,051	61	61	0	100%	14,813	0	0	0	100%	41,283
Jun	1,036.78	155,104	6,698	15,626	2.74	2,729	0	0	0	100%	56,755	0	0	0	100%	5,057	0	0	0	100%	5,675	0	0	0	100%	26,051	74	74	0	100%	14,813	0	0	0	100%	41,283
Jul																																				
Aug																																				
Sep																																				
Oct																																				
Nov																																				
Dec																																				
TOTAL			116,683	102,408	15.19	6803	430	0	445			39	0	40			43	0	45			197	0	204			524	361	116			9178	10778	259		

in check check check
flood inflow evap storage
no 1,580 0 0
no 515 0 0
yes 22,695 28 17,728
yes 50,572 1,097 11,728
yes 24,287 1,841 17,125
yes 6,624 2,729 5,470
no 0 0 0
no 0 0 0
no 0 0 0
no 0 0 0
no 0 0 0
no 0 0 0

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.