

MEMO

TO: Town of Delavan Lake Committee
FROM: Delavan Lake Sanitary District
RE: DLSD Lake Management Activities for August
DATE: September 1, 2023

LAKE MONITORING RECORDS

August Precipitation – 1.88 inches
Number of Run-off events – 1
Precipitation Year-to-date – 20.79 inches
Ice On Date – December 19, 2022
Ice Off Date – March 10, 2023

August Secchi Disc Readings: Maximum – 10.0 feet
Average – 7.3 feet

LAKE LEVEL

DNR Summer Lake Elevation Expectations – 927.86 feet
Average Lake Elevation – 927.83 feet

Due to the low lake level, we are unable to use Blue Gill Road as an offload site on the west end of the lake. As a result, all weeds on the main lake are being transported to the Town Park for offloading which decreases harvester production due to increased travel time.

LAKE MANAGEMENT PROGRAM

The harvesting crew has been downsized due to the time of year with seasonal staff going back to school. Harvesting operations will continue with the focus on areas of most concern around the lake. Skimming for wild celery will continue as it is still releasing and creating floating mats.

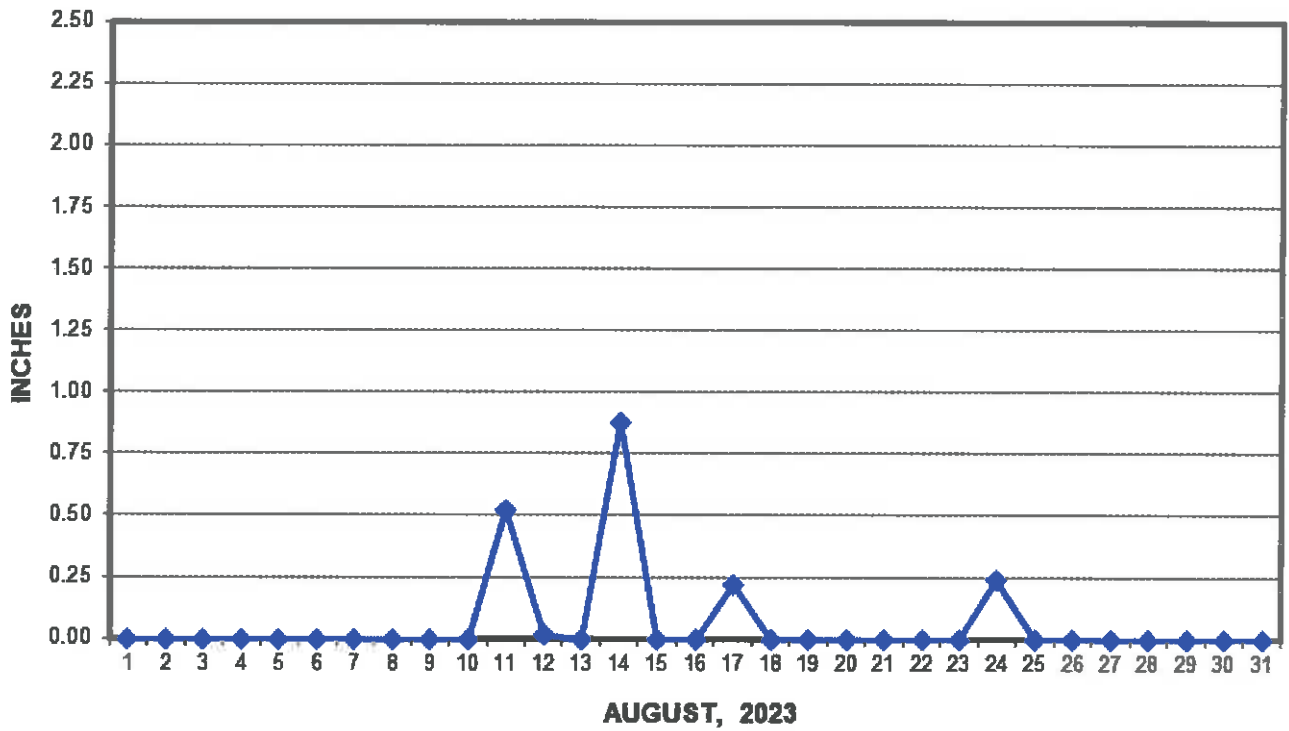
Pennywort spraying will also take place within the next few weeks as it was postponed previously due to high heat and humidity.

The sewer utility is busy working with projects on HWY O, LS #4 and Borg Road easements.

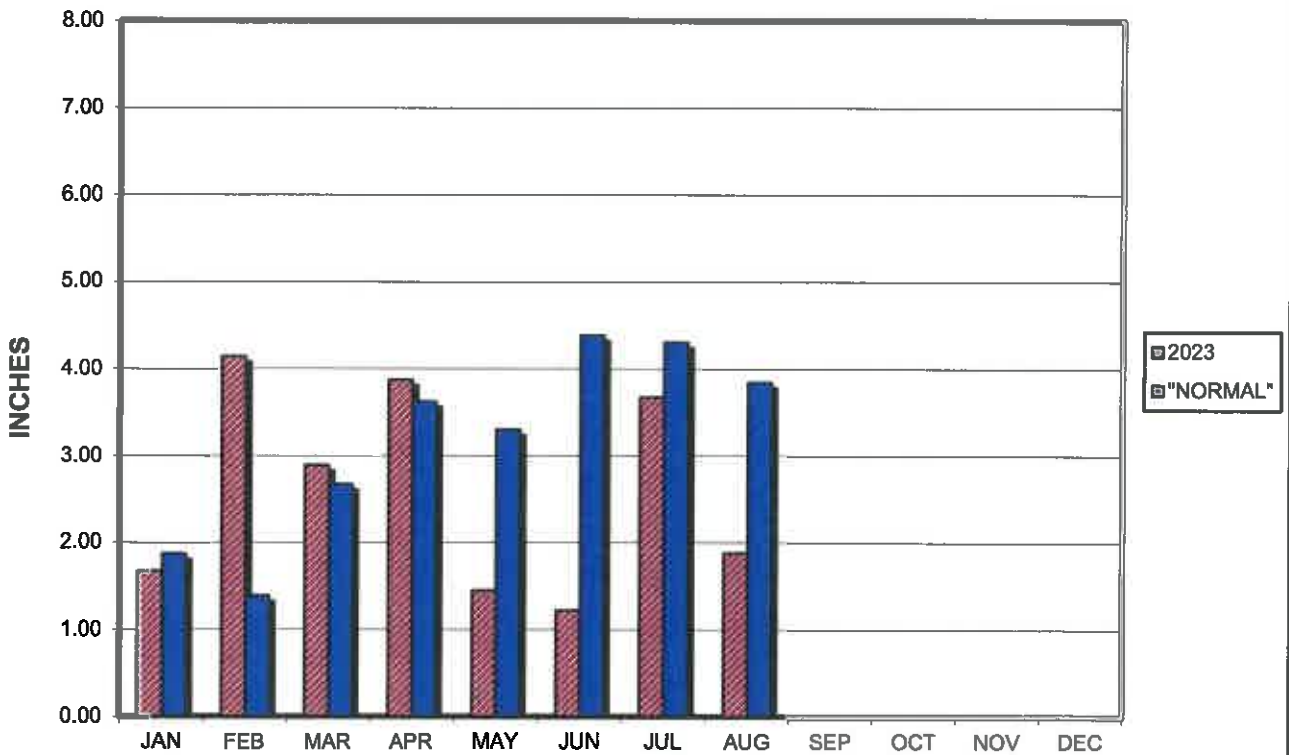
Dry hot weather continues through August.

Encl.: (3)

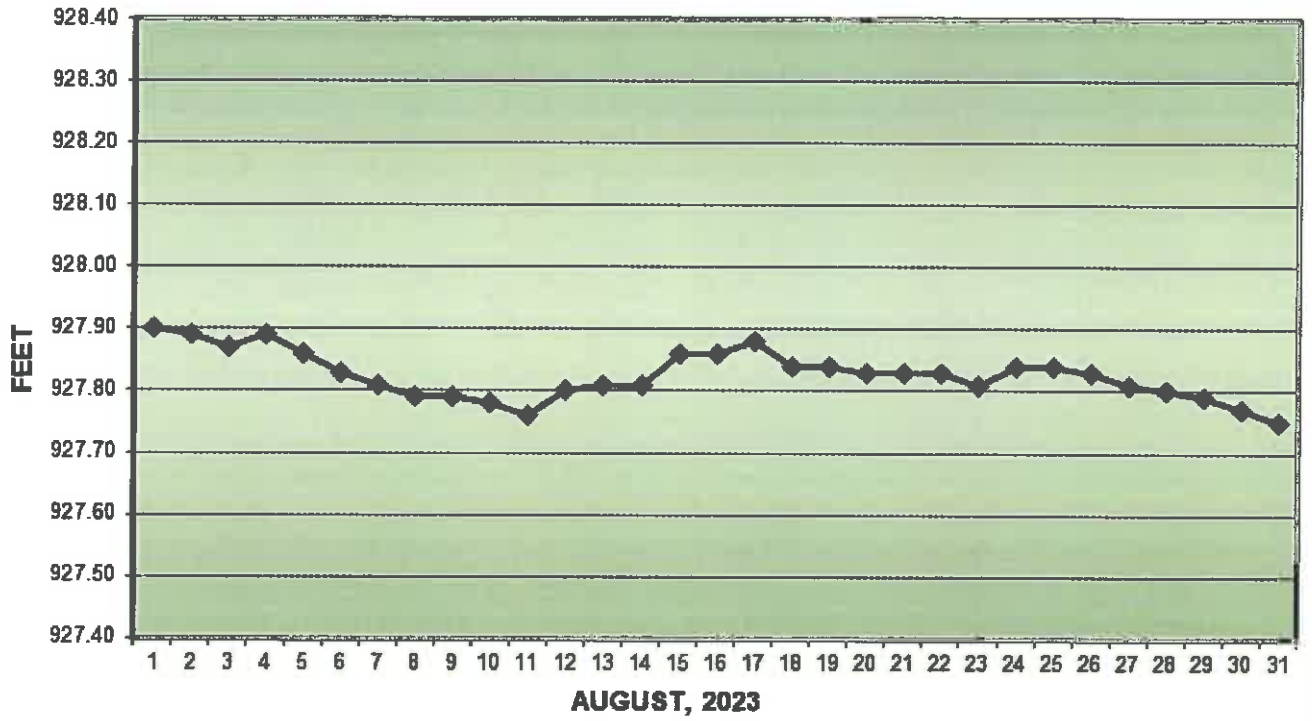
PRECIPITATION - DELAVAN LAKE, WI



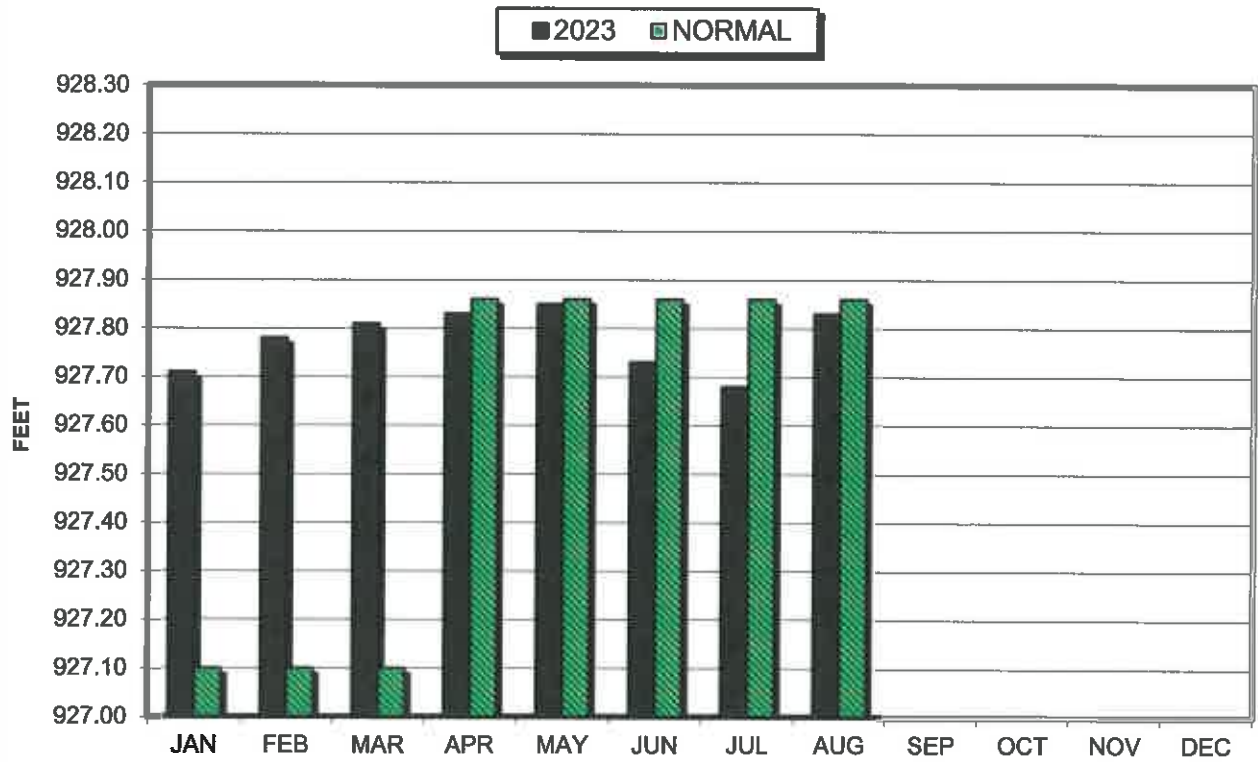
PRECIPITATION - DELAVAN LAKE, WI



LAKE ELEVATION - DELAVAN LAKE, WI



AVERAGE LAKE ELEVATION - DELAVAN LAKE, WI



**DATA SUMMARY
DELAVAN LAKE, WISCONSIN**

Month	Ice On Date	Ice Off Date	Air Temperature			Precipitation		Lake Water Temp.	Average Lake Elevation	Secchi Disc		Cubic Yards Harvested	
			Max.	Min.	Mean	Month (In Inches)	Yr to Date (In Inches)			Average (In Feet)	Maximum (In Feet)	Month	YTD
2021													
JAN	1/21/21		38	-6	22	1.39	1.39	-	927.58	-	-	-	-
FEB			47	-15	16	1.45	2.84	-	927.50	-	-	-	-
MAR		3/18/21	65	9	37	1.54	4.38	-	927.67	-	-	-	-
APR			84	21	53	0.76	5.14	46	927.75	8.7	9	-	-
MAY			88	30	59	1.52	6.66	67	927.87	18.3	32.0	547	547
JUN			95	46	71	2.58	9.24	76	927.84	10.1	19.5	2495	3042
JUL			92	52	72	2.87	12.11	78	927.89	10.2	14.0	1800	4842
AUG			93	51	72	3.96	16.07	77	927.78	9.0	12.0	1910	6752
SEP			89	45	67	1.33	17.40	66	927.53	7.8	11.0	595	7347
OCT			87	29	58	4.78	22.18	67	927.55	9.3	11.0	59	7406
NOV			66	15	41	0.46	22.64	51	927.57	9.7	13	-	-
DEC			64	7	35	1.81	24.45	-	927.61	-	-	-	-
2022													
JAN	1/10/22		40	-18	11	0.63	0.63	-	927.72	-	-	-	-
FEB			49	-3	23	0.77	1.40	-	927.70	-	-	-	-
MAR		3/23/22	73	6	34	2.91	4.31	-	927.80	-	-	-	-
APR			81	24	52	5.05	9.36	42	927.88	20.0	20.0	387	387
MAY			91	33	62	2.42	11.78	62	927.90	12.7	20.0	2184	2571
JUN			98	47	72	2.21	13.99	74	927.87	9.7	13.0	1431	4002
JUL			90	52	71	2.98	16.97	79	927.68	8.7	10.0	1585	5587
AUG			92	52	72	4.28	21.25	79	927.60	6.6	9.0	305	5892
SEP			85	35	60	7.51	28.76	59	927.85	6.7	7.0	-	-
OCT			78	29	54	1.67	30.43	-	927.79	-	-	39	5931
NOV			75	9	42	1.23	31.66	51	927.77	12.3	15.0	-	-
DEC	12/19/22		56	-13	22	1.67	33.33	-	927.72	-	-	-	-
2023													
JAN			49	-14	18	1.67	1.67	-	927.71	-	-	-	-
FEB			51	-7	22	4.14	5.81	-	927.78	-	-	-	-
MAR		3/10/23	69	9	39	2.89	8.70	-	927.81	-	-	-	-
APR			82	26	54	3.87	12.57	49	927.83	8.0	9.0	855	855
MAY			91	35	63	1.45	14.02	62	927.85	21.8	38.0	1553	2408
JUN			92	43	67	1.22	15.24	70	927.73	9.6	17.0	1558	3966
JUL			92	53	72	3.67	18.91	75	927.68	6.0	8.0	-	-
AUG			97	44	71	1.88	20.79	76	927.83	7.3	10.0	1620	5586