

MEMO

TO: Town of Delavan Lake Committee
FROM: Delavan Lake Sanitary District
RE: DLSD Lake Management Activities for November
DATE: December 2, 2024

LAKE MONITORING RECORDS

November Precipitation – 2.24 inches
Number of Run-off events – 1
Precipitation Year-to-date – 37.84 inches
Ice On Date – January 15, 2024
Ice Off Date – February 27, 2024

November Secchi Disc Readings: Maximum – 12.0 feet
Average – 12.0 feet

LAKE LEVEL

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

LAKE MANAGEMENT PROGRAM

Weed Harvesting has ended for the season.

We finished with a record harvest this year with 8,028 cubic yards removed from the lake, which equates to 1,204 LBS of phosphorous removed.

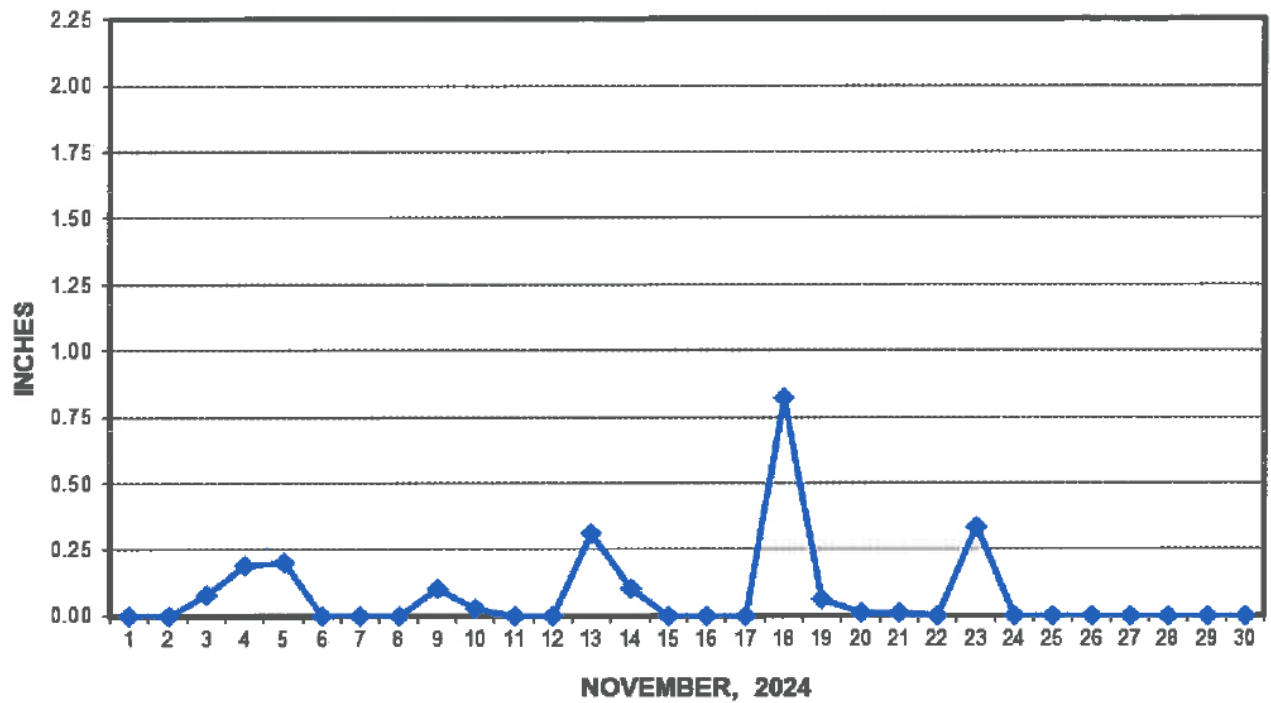
Winter maintenance has begun on all lake equipment.

Lift Station #2A project is completed to the point of just finishing landscaping.

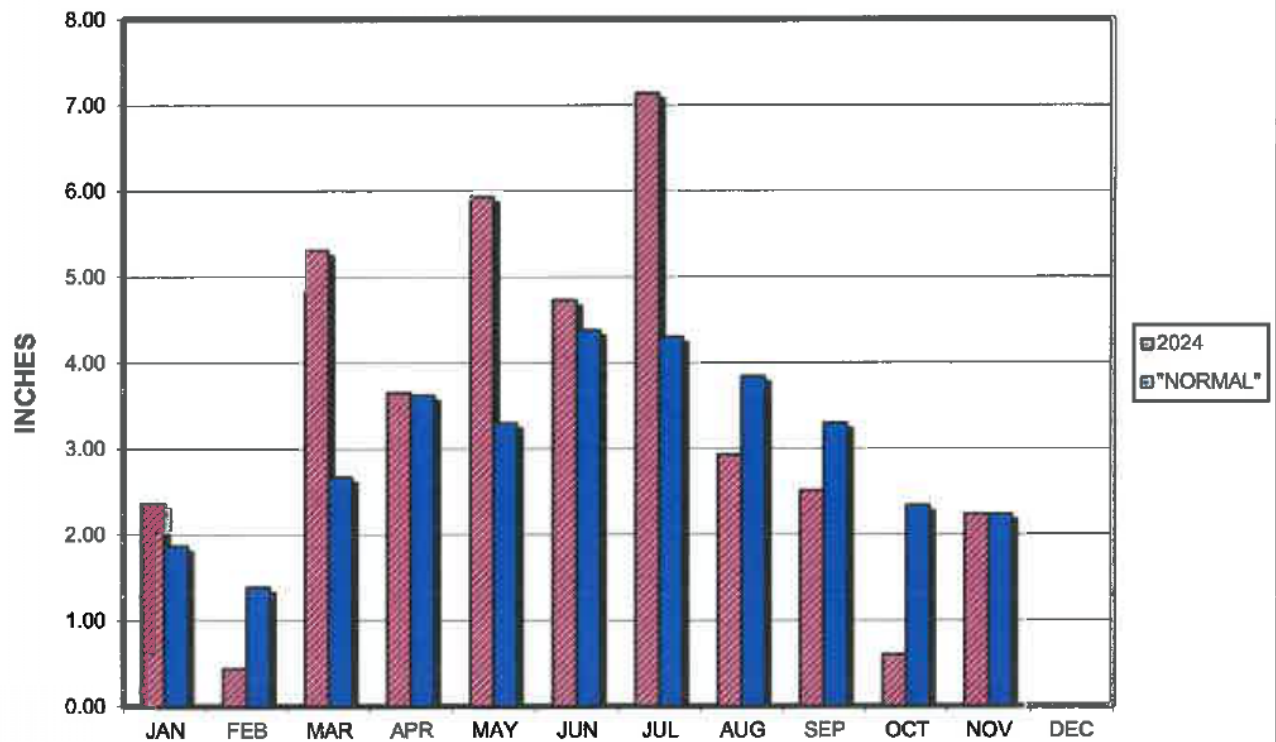
Lift Station #7 replacement is in planning stages.

Encl.: (3)

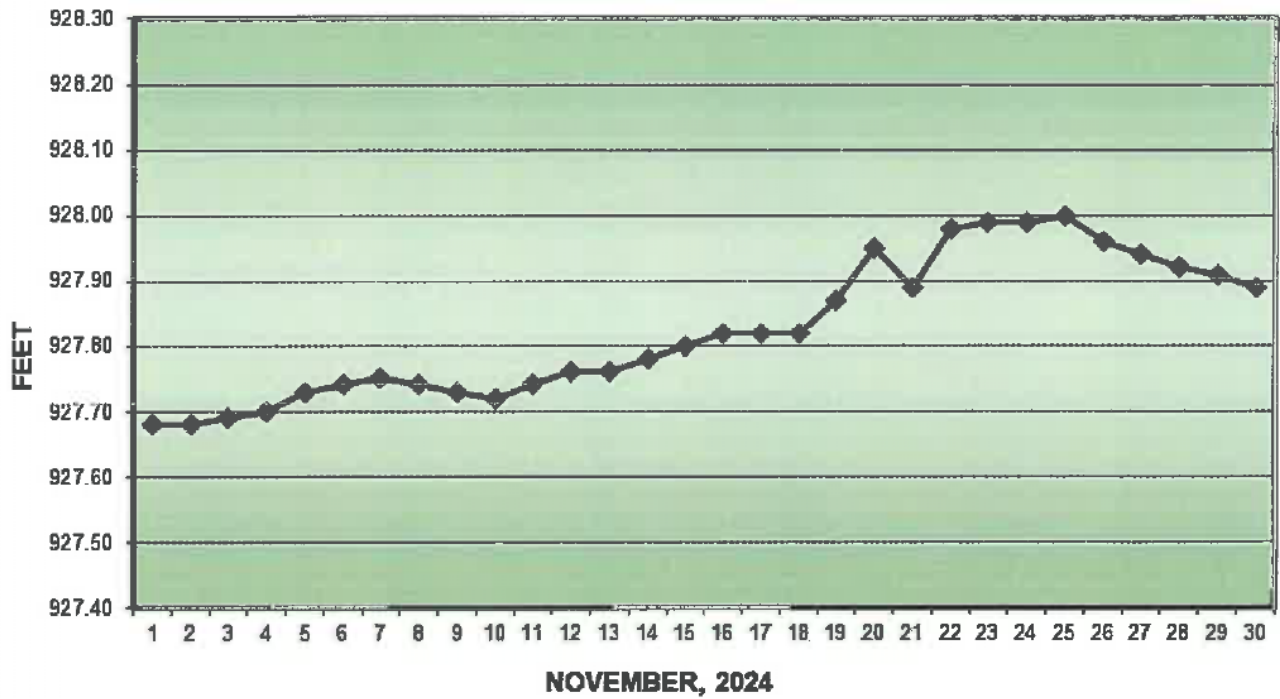
PRECIPITATION - DELAVAN LAKE, WI



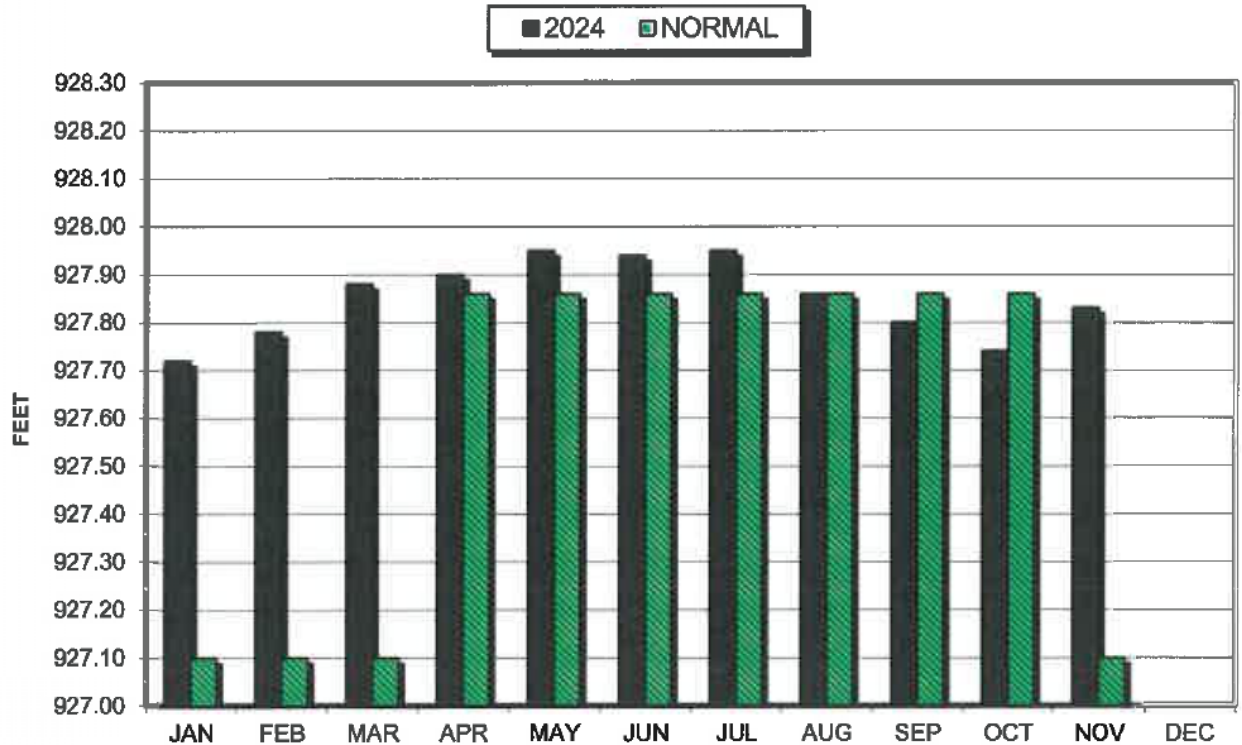
PRECIPITATION - DELAVAN LAKE, WI



LAKE ELEVATION - DELAVAN LAKE, WI



AVERAGE LAKE ELEVATION - DELAVAN LAKE, WI



DATA SUMMARY

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
2022	1/10/22	3/23/22	40	-18	11	0.63	0.63	-	927.72	-	-	-	-
JAN			49	-3	23	0.77	1.40	-	927.70	-	-	-	-
FEB			73	6	34	2.91	4.31	-	927.80	-	-	-	-
MAR			81	24	52	5.05	9.36	42	927.88	20.0	20.0	387	387
APR			91	33	62	2.42	11.78	62	927.90	12.7	20.0	2184	2571
MAY			98	47	72	2.21	13.99	74	927.87	9.7	13.0	1431	4002
JUN			90	52	71	2.98	16.97	79	927.68	8.7	10.0	1585	5587
JUL			92	52	72	4.28	21.25	79	927.60	6.6	9.0	305	5892
AUG			85	35	60	7.51	28.76	59	927.85	6.7	7.0	39	5931
SEP			78	29	54	1.67	30.43	-	927.79	-	-	-	-
OCT			75	9	42	1.23	31.66	51	927.77	12.3	15.0	-	-
NOV	12/19/22		56	-13	22	1.67	33.33	-	927.72	-	-	-	-
DEC													
2023													
JAN			49	-14	18	1.67	1.67	-	927.71	-	-	-	-
FEB			51	-7	22	4.14	5.81	-	927.78	-	-	-	-
MAR			69	9	39	2.89	8.70	-	927.81	-	-	-	-
APR	3/10/23		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	1620	5586
AUG			97	44	71	1.88	20.79	76	927.83	7.3	10.0	854	6440
SEP			93	42	68	3.78	24.57	68	927.75	8.7	12.0	146	6586
OCT			86	24	55	3.01	27.58	-	927.89	-	-	-	-
NOV			68	10	39	1.01	28.59	-	927.84	-	-	-	-
DEC			56	13	34	2.13	30.72	-	927.75	-	30.0	-	-
2024													
JAN	1/15/24	2/27/24	38	-16	11	2.36	2.36	-	927.72	-	-	-	-
FEB			74	10	42	0.44	2.80	-	927.78	-	-	-	-
MAR			72	22	47	5.31	8.11	-	927.88	-	-	-	-
APR			82	28	55	3.65	11.76	-	927.90	-	-	-	-
MAY			87	44	65	5.93	17.69	67	927.95	18.2	28.0	466	466
JUN			94	47	70	4.73	22.42	71	927.94	7.6	15.0	1476	1942
JUL			91	50	71	7.14	29.56	84	927.95	6.0	6.0	2035	3977
AUG			95	48	71	2.93	32.49	75	927.86	7.0	7.0	1692	5669
SEP			91	42	66	2.51	35.00	77	927.80	8.8	10.0	1769	7438
OCT			84	32	58	0.60	35.60	66	927.74	7.3	12.0	590	8028
NOV			65	12	39	2.24	37.84	-	927.83	12	12	-	-
DEC													