

## MEMO

TO: Town of Delavan Lake Committee  
FROM: Delavan Lake Sanitary District  
RE: DLSD Lake Management Activities for October  
DATE: November 1, 2021

### LAKE MONITORING RECORDS

October Precipitation – 4.78 inches  
Number of Run-off events – 2  
Precipitation Year-to-date – 22.18 inches  
Ice On Date – January 21, 2021  
Ice Off Date – March 18, 2021  
Total Ice Cover - 56 days

October Secchi Disc Readings: Maximum – 11.0 feet  
Average – 9.3 feet

### LAKE LEVEL

DNR Summer Lake Elevation Expectations – 927.86 feet  
Average Lake Elevation – 927.55 feet

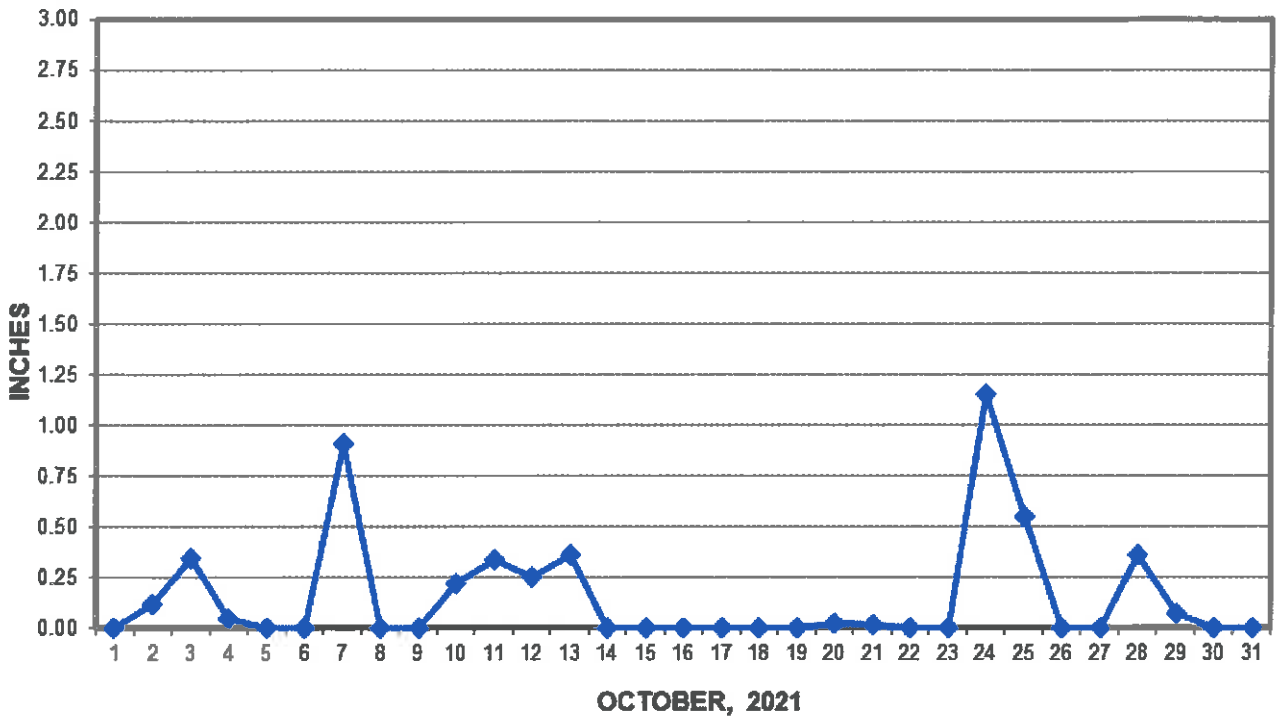
### LAKE MANAGEMENT PROGRAM

Staff harvested 7,406 cubic yards (222.8 lbs. phosphorus) from Delavan Lake in 2021. This new all time record is more than double the average yards harvested per season.

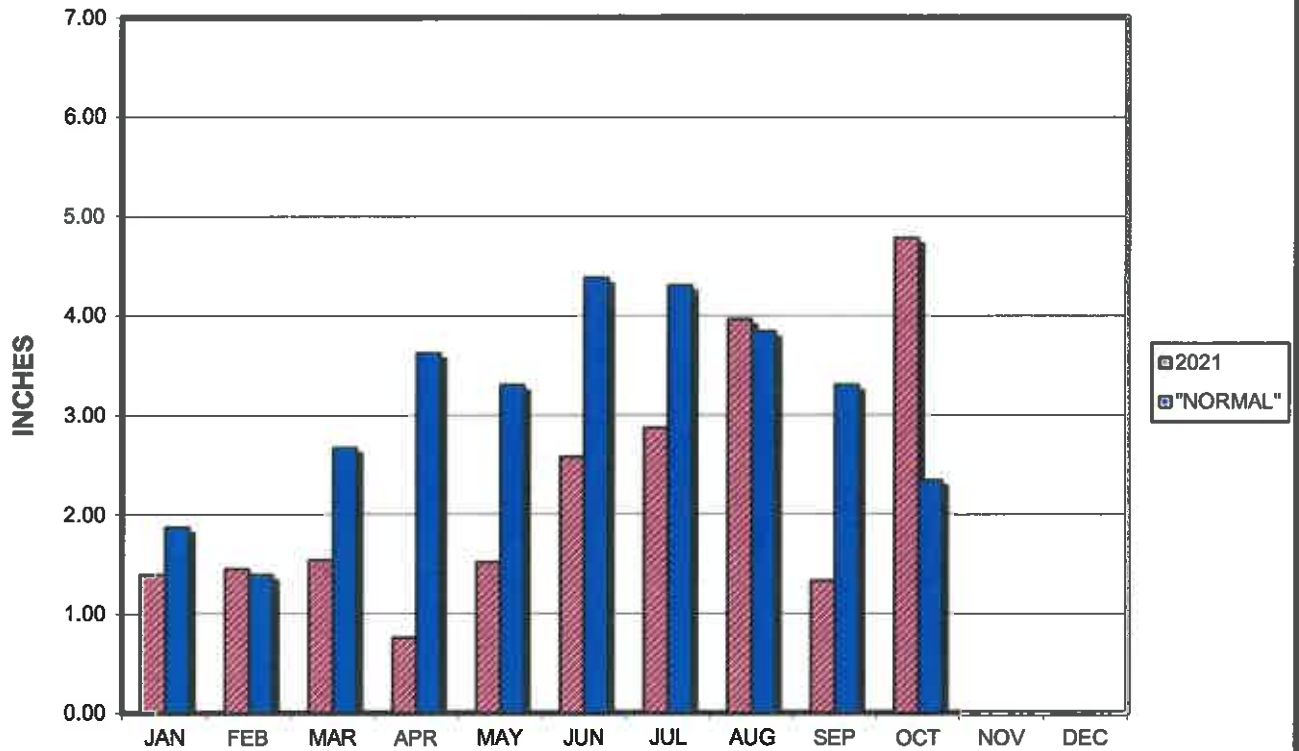
DLSD has submitted 4 Healthy Lakes Projects for 2022. No further applications can be accepted as the deadline has passed for next year.

Encl.: (3)

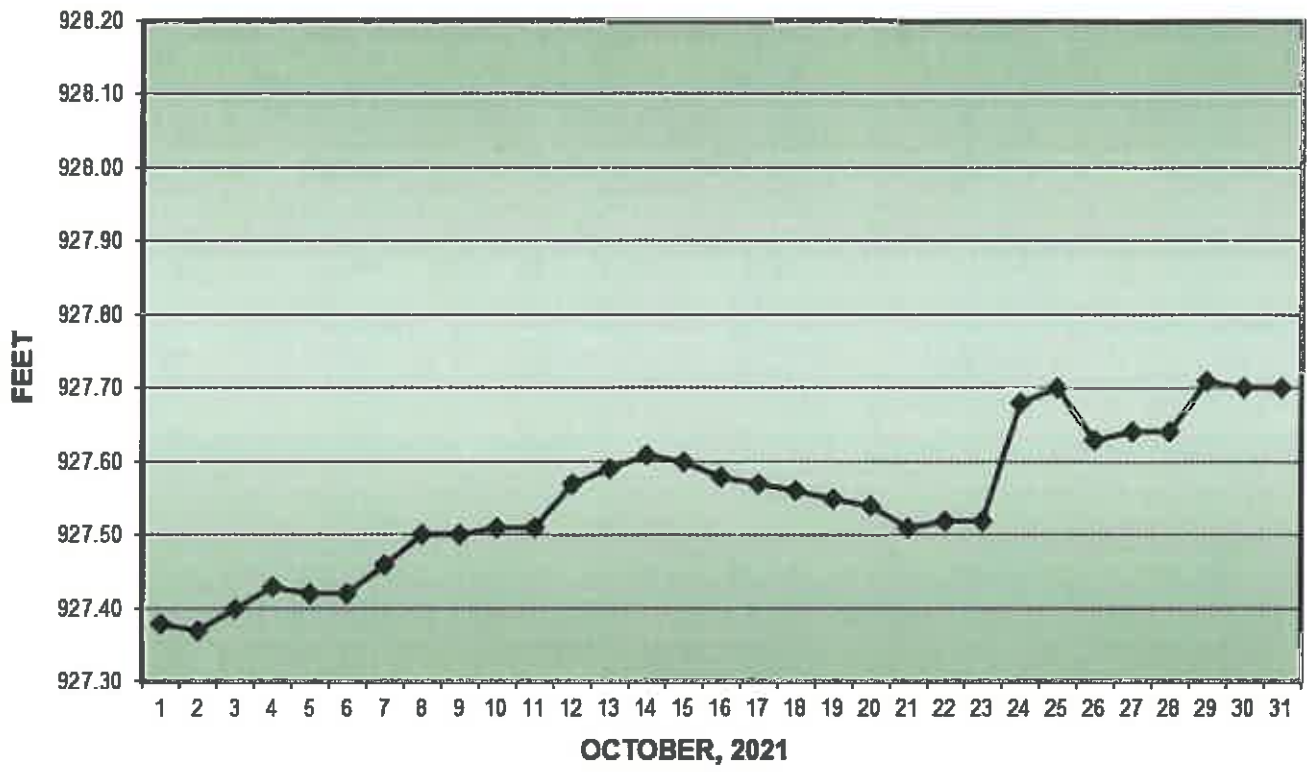
### PRECIPITATION - DELAVAN LAKE, WI



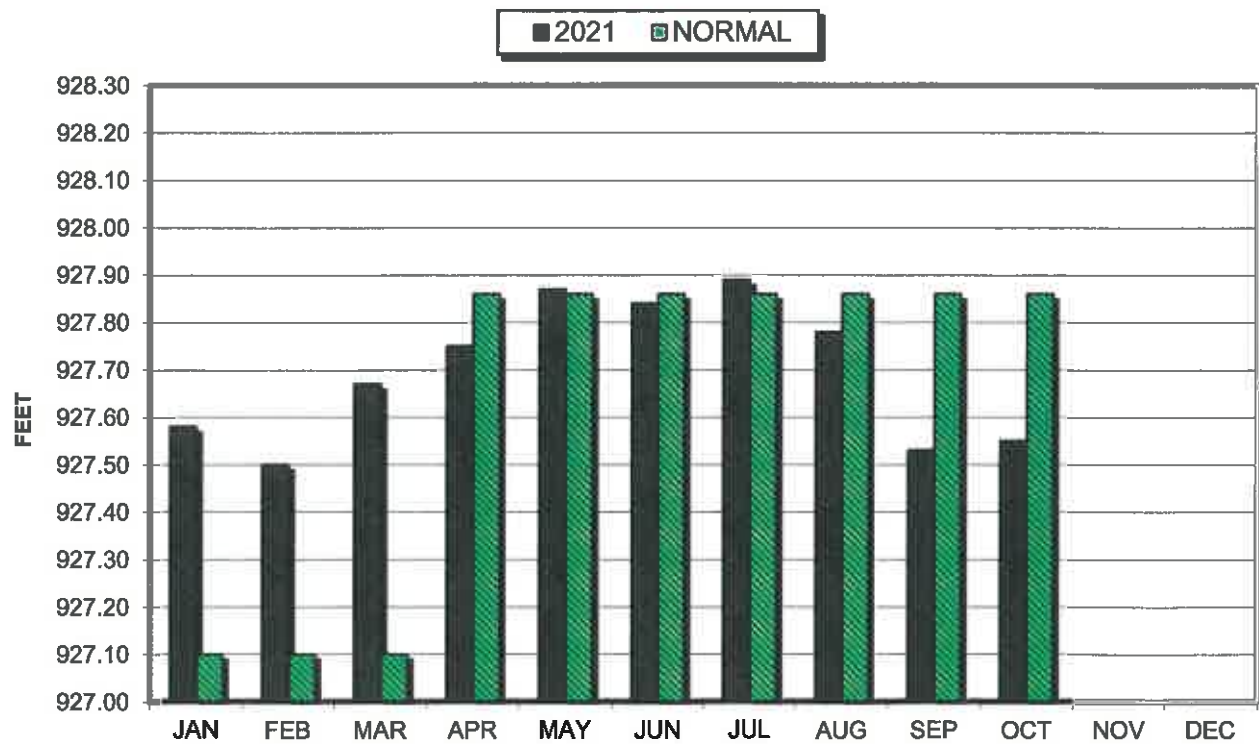
### PRECIPITATION - DELAVAN LAKE, WI



### 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	
			Max.	Min.	Month (In Inches)	Yr to Date (In Inches)			Average (In Feet)	Maximum (In Feet)	Month	Harvested YTD
<b>2019</b>												
JAN	1/11/19	1/8/19	50	-26	12	2.09	2.09	927.75	-	-	-	-
FEB			44	-4	20	3.35	5.44	927.72	-	-	-	-
MAR		3/27/19	62	-6	28	2.36	7.80	927.78	-	-	-	-
APR			79	19	49	2.01	9.81	927.86	11.0	11.5	-	112
MAY			80	34	57	7.29	17.10	927.82	23.8	26.0	112	695
JUN			92	46	69	5.05	22.15	927.85	15.3	20.0	695	807
JUL			92	54	73	3.68	25.83	927.85	9.0	12.5	1310	2117
AUG			87	51	69	4.89	30.72	927.86	7.3	8.5	1283	3400
SEP			85	48	67	9.26	39.98	927.98	5.8	8.0	359	3759
OCT			76	23	50	5.66	45.64	927.95	6.3	8.0	86	3845
NOV			53	5	24	1.62	47.26	927.63	-	-	-	-
DEC			55	6	25	2.35	49.61	927.58	-	-	-	-
<b>2020</b>												
JAN	1/17/20		48	1	24	2.26	2.26	927.52	-	-	-	-
FEB			46	-13	17	0.31	2.57	927.47	-	-	-	-
MAR		3/13/20	62	22	42	3.33	5.90	927.66	-	-	-	-
APR			78	23	51	3.85	9.75	927.72	10.0	12.0	202	202
MAY			88	28	58	3.60	13.35	927.88	16.4	25.0	1423	1625
JUN			93	47	70	3.63	16.98	927.85	8.2	17.0	1395	3020
JUL			94	57	76	3.97	20.95	927.87	9.6	13.0	714	3734
AUG			88	38	50	5.38	26.33	927.90	7.9	9.8	169	3903
SEP			82	34	58	3.65	29.98	927.87	8.3	12.0	-	-
OCT			82	26	56	2.90	32.88	927.85	6.3	7.0	-	-
NOV			75	22	53	1.92	34.80	927.77	14.7	17	-	-
DEC			56	5	31	1.91	36.71	927.74	-	-	-	-
<b>2021</b>												
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	927.75	8.7	9	547	547
MAY			88	30	59	1.52	6.66	927.87	18.3	32.0	2495	3042
JUN			95	46	71	2.58	9.24	927.84	10.1	19.5	1800	4842
JUL			92	52	72	2.87	12.11	927.89	10.2	14.0	1910	6752
AUG			93	51	72	3.96	16.07	927.78	9.0	12.0	595	7347
SEP			89	45	67	1.33	17.40	927.53	7.8	11.0	59	7406
OCT			87	29	58	4.78	22.18	927.55	9.3	11.0	-	-