

MEMO

TO: Town of Delavan Lake Committee
FROM: Delavan Lake Sanitary District
RE: DLSD Lake Management Activities for December
DATE: December 29, 2017

LAKE MONITORING RECORDS

December Precipitation - .10 inches
Number of Run-off events - 0
Precipitation Year-to-date - 39.67 inches
Ice Off Date - February 24, 2017
Ice On Date - December 26, 2017
November Secchi Disc Readings: Maximum - 7.5 ft.
Average - 7.5 ft.

LAKE LEVEL

DNR Winter Lake Elevation Expectations - 927.10 feet
Average Lake Elevation - 927.64 feet

LAKE MANAGEMENT PROGRAM

After Waterways approved the Harvester Purchase, DLSD ordered the new harvester. The harvester will be delivered in the spring of 2018.

Brown's channel stream bank repairs are the final steps needed for the first grant and should be completed sometime in the spring to satisfy implementation of the first project for the land.

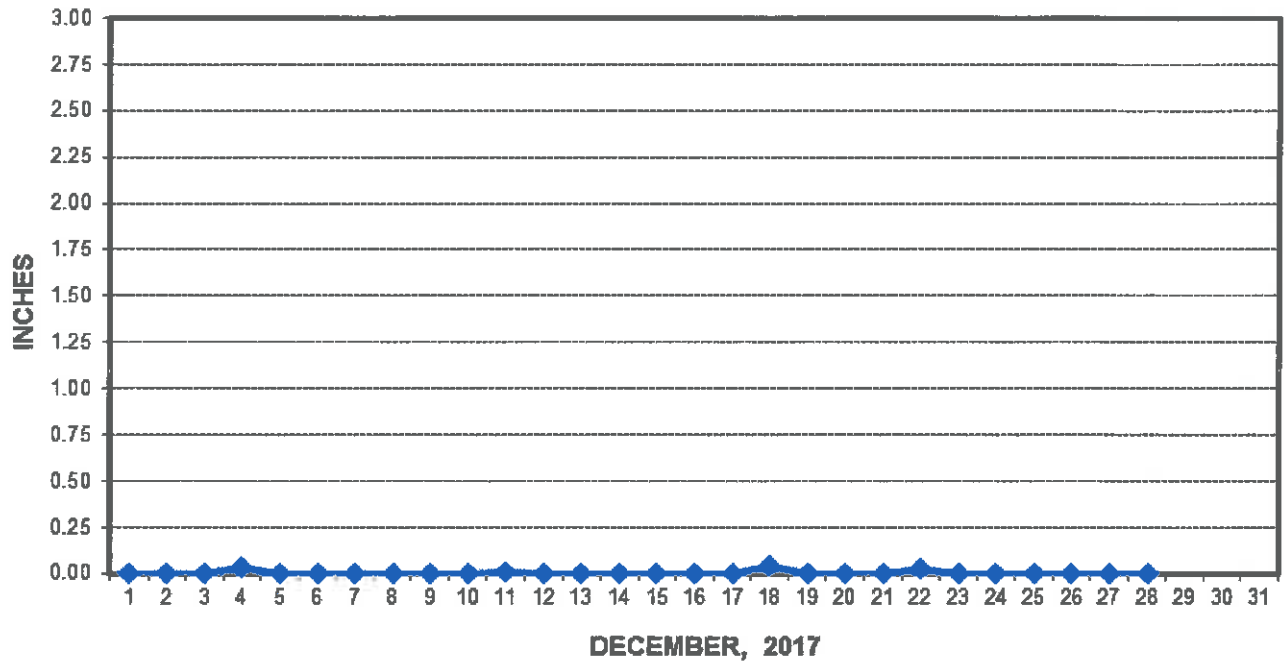
Continued work on the harvesters is in progress.

Working in conjunction with the Town to procure a site on the west end of the lake for harvester offloading and parking. This is essential to providing adequate aquatic plant harvesting services for the west end of the lake.

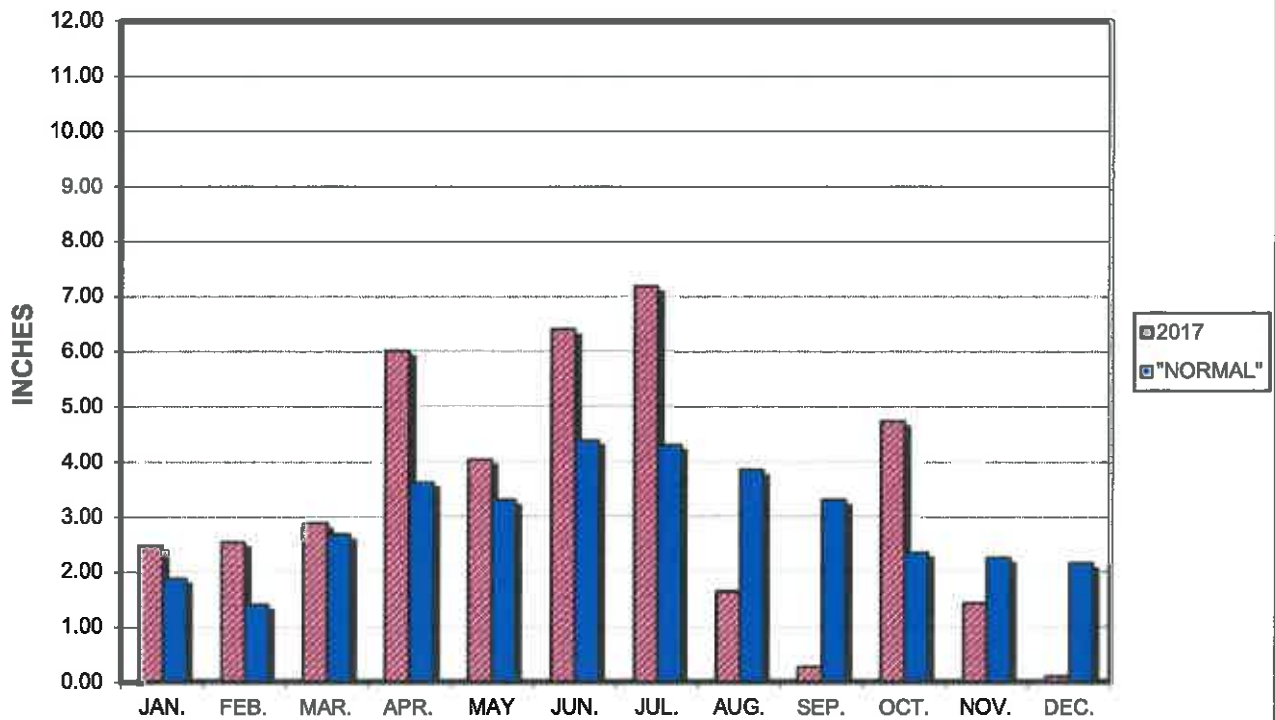
During the next DLSD committee meeting, several specialists will be coming to answer questions concerning the pellets being tested in the lake. The meeting is open to the public and will be on January 17, 2018 at 9:00 a.m. at the District office at 2990 County Road F South, Delavan, WI 53115. Please submit any questions you may have to DLSD by January 10, 2018 so we can ensure they get answered.

Encl.: (3)

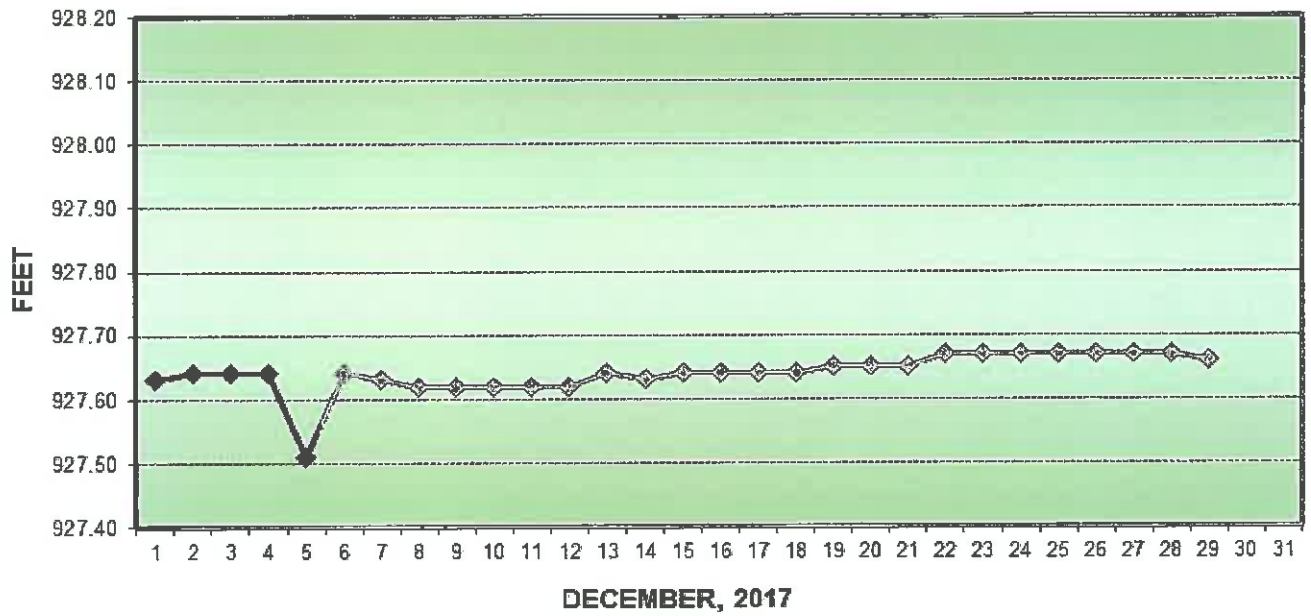
PRECIPITATION - DELAVAN LAKE, WI



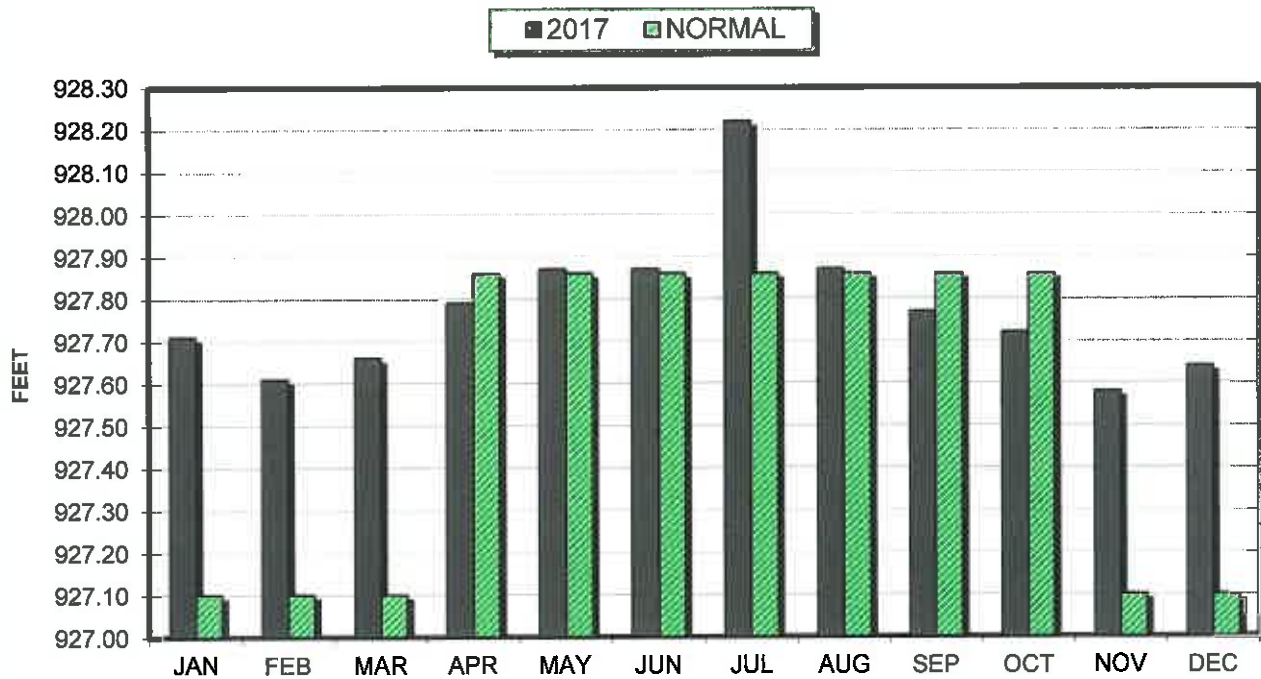
PRECIPITATION - DELAVAN LAKE, WI



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			Yr to Date	Average (In Feet)	Maximum (In Feet)	Month
2015												
JAN	1/2/15		40	-10	15	0.26	-	927.71	-	-	-	-
FEB			39	-13	13	0.71	-	927.73	-	-	-	-
MAR			71	-14	28	0.90	-	927.76	-	-	-	-
APR		4/2/15	78	26	52	2.61	41	927.85	4.2	4.0	-	-
MAY			82	32	57	4.96	55	927.87	18.0	35.0	367	367
JUN			88	40	64	6.26	66	927.89	16.5	35.0	1417	1784
JUL			88	47	68	3.06	74	927.86	9.9	15.0	1493	3277
AUG			90	48	69	4.43	74	927.75	8.3	9.0	1058	4335
SEP			89	42	66	6.18	-	927.93	-	-	328	4663
OCT			79	28	54	1.62	57	927.74	9.7	13.0	228	4891
NOV			73	4	39	5.17	-	927.84	-	-	-	-
DEC			60	13	37	5.21	-	927.81	-	-	-	-
2016												
JAN	1/11/16		42	-6	18	0.99	-	927.73	-	-	-	-
FEB			59	0	29	0.63	-	927.82	-	-	-	-
MAR		3/9/16	68	1	34	4.10	42	927.74	18.7	23.0	-	-
APR			82	21	52	1.61	44	927.91	16.3	23.0	-	-
MAY			87	32	60	3.33	56	927.85	17.7	24.0	212	212
JUN			91	48	70	3.42	72	927.86	13.4	24.0	861	1073
JUL			92	50	71	3.03	77	927.86	8.0	12.0	608	1681
AUG			90	51	71	3.93	79	927.88	8.7	11.0	925	2606
SEP			91	48	70	2.78	74	927.86	12.0	13.0	395	3001
OCT			81	32	57	3.07	64	927.81	6.8	7.5	277	3278
NOV			75	18	47	3.26	57	927.80	13.7	14.0	-	-
DEC	12/18/16		47	-14	17	1.90	-	927.76	-	-	-	-
2017												
JAN			54	-2	26	2.49	-	927.71	-	-	-	-
FEB		2/24/17	68	10	39	2.53	-	927.61	-	-	-	-
MAR			75	11	32	2.88	-	927.66	-	-	-	-
APR			81	30	56	6.01	49	927.79	30.0	30.0	296	296
MAY			86	32	59	4.03	54	927.87	19.7	26.0	1047	1343
JUN			93	47	70	6.39	68	927.87	12.6	19.0	840	2183
JUL			89	54	72	7.18	76	928.22	5.9	10.0	1157	3340
AUG			84	44	64	1.64	73	927.87	6.2	7.0	-	-
SEP			94	40	67	0.27	72	927.77	6.1	9.0	113	3453
OCT			83	31	57	4.73	64	927.72	6.9	7.6	-	-
NOV			63	13	38	1.42	45	927.58	7.5	7.5	-	-
DEC	12/26/17		61	27	-7	0.10	-	927.64	-	-	-	-