

**DELAVAN LAKE SANITARY DISTRICT
ADMINISTRATOR'S REPORT
DECEMBER ACTIVITY 2018**

ADMINISTRATION

DLSD took delivery of a second new harvester and conveyer.

Staff is finishing up small tank studies that involved testing of water, soils and running labs on sediment versus pellets, to get a better understanding of what is actually taking place while using pellets.

Continued work is in progress on the Brown's channel watershed area marking out the lot lines and platted road way hopefully to be used as the hiking trail area. Invasive species and erosion issues will be reviewed. Falling trees are being cleared out for safety.

New web page is in final review with staff and hosting WRWA web manager. Will launch in January.

Borg Road Interceptor Sewer tree and brush clearing survey work to begin late December and early January. Weather permitting clearing will begin late January early February.

Ice melt happening late December.

Lift Station #9 is gearing up for some failed valves to be replaced in January.

Lift Station #8 is being set-up up to replace a failing generator in January.

Office staff will begin wrapping up the year in preparation for the 2018 audit to begin in January thru March.

Grant application is being submitted to rebuild one harvester's engine and hydraulics.

Verizon One Talk phone system is finally installed.

Staff will work on replacing old cat 3 wiring in the office with new Cat 6E due to some rodent damage that was discovered.

Laser meter in the Borg Rd interceptor is up and running and all software is now installed and communicating with the system.

SEWER SYSTEM OPERATIONS

Building Sewer Connections

New Connections for the Month - 0
Reconnections for the Month - 0
Disconnections for the Month - 2
Total Number of Structures Connected to Date - 3,096
Total ERU Count for the Month - 4,007

Operation and Maintenance

Average December Daily Wastewater Flow to WalCoMet - 546,476 gallons
Peak December Flow - 718,968 gallons
Diggers Requests Marked for the Month - 43
Emergency Call Outs - 4

The following charts are attached: *Wastewater Flow comparison with Precipitation for December, 2018*
Average Daily Wastewater Flow comparison with Peak Flow
Precipitation comparison with "normal"
Wastewater Flow comparison with "normal"
Environmental Data Summary
Daily Lake Elevation for December, 2018
Lake Elevation comparison with "normal"

Lake Monitoring/Lake Level

Precipitation Total for the Month - 2.14 inches
Below Normal - .01 inches
Ice On Date - December 10, 2018
Ice Off Date - March 24, 2018
Secchi Disc Reading Main Lake - 7.5 feet on 10/25/18

See attached Lake Elevation Graph and Chart.

Lake Information

DNR Lake Level Goal - 927.86 feet
Average Lake Elevation - 927.71 feet
Number of Dam Inspections - 31

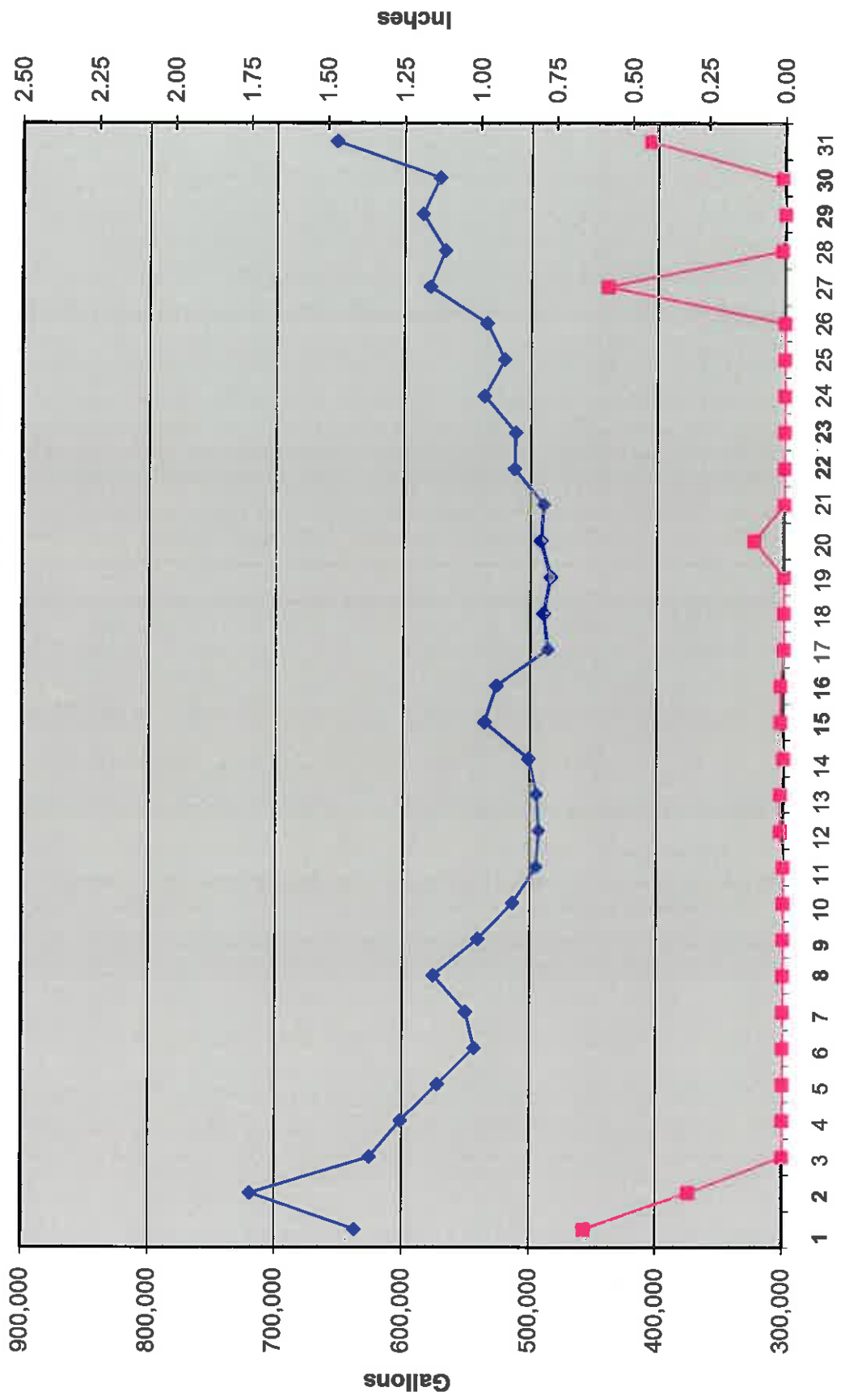
See attached Gate Setting Chart.

Lake Committee

The next meeting of the Lake Committee is scheduled for 7:00 P.M. on Wednesday, February 6, 2019 at the Town Hall.

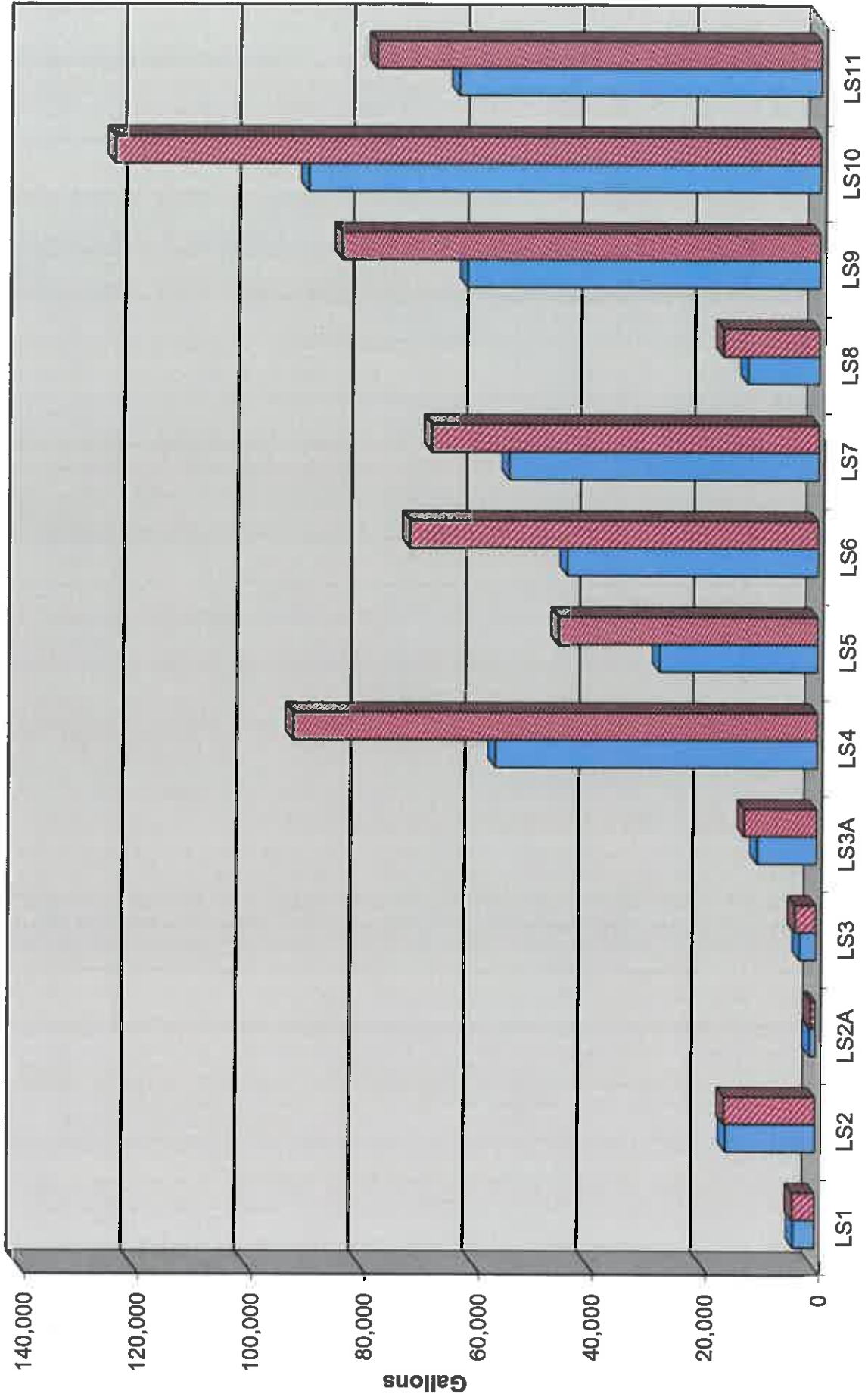
Attachments

Wastewater Flow/Precipitation - December, 2018

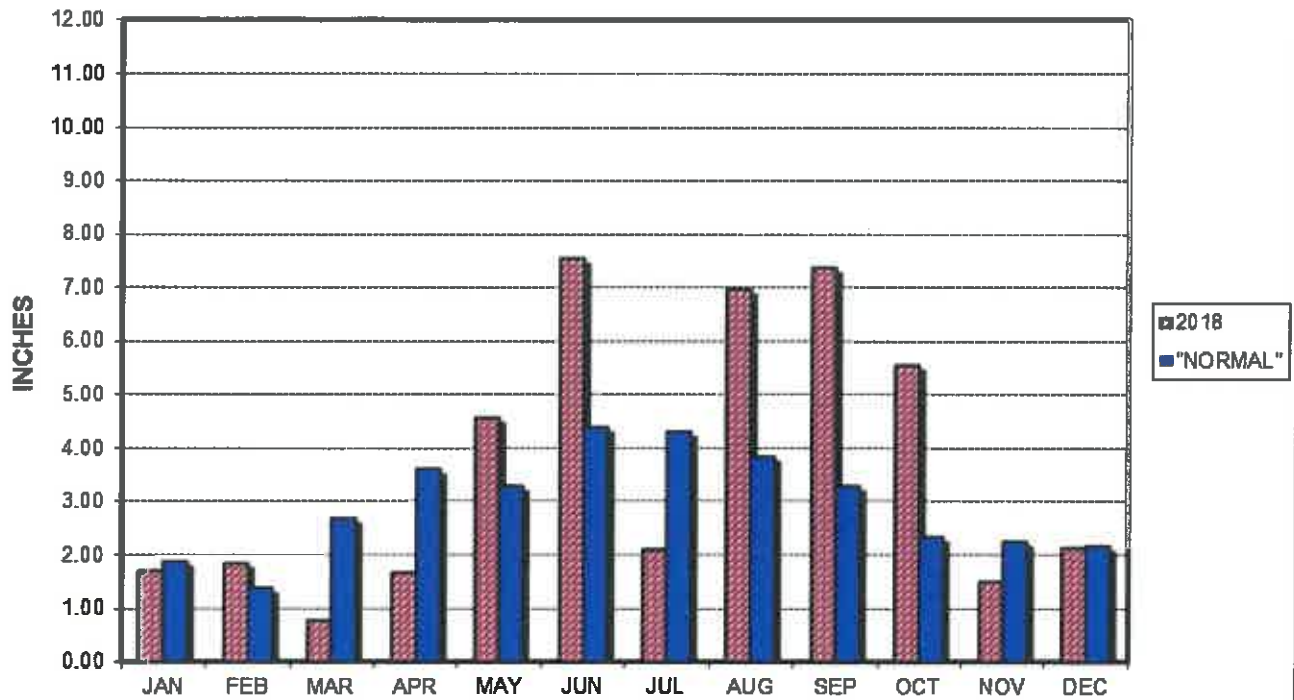


Average Daily Flow/Peak Flow by Area - December, 2018

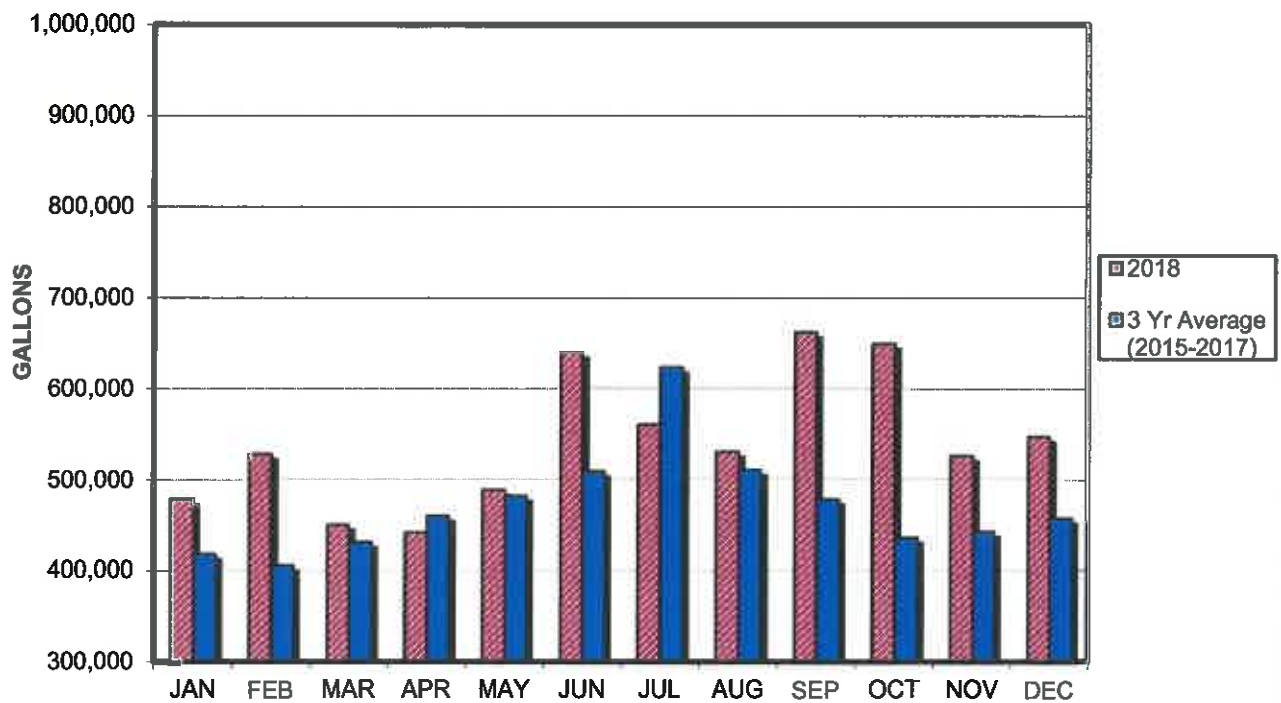
■ Average ■ Peak



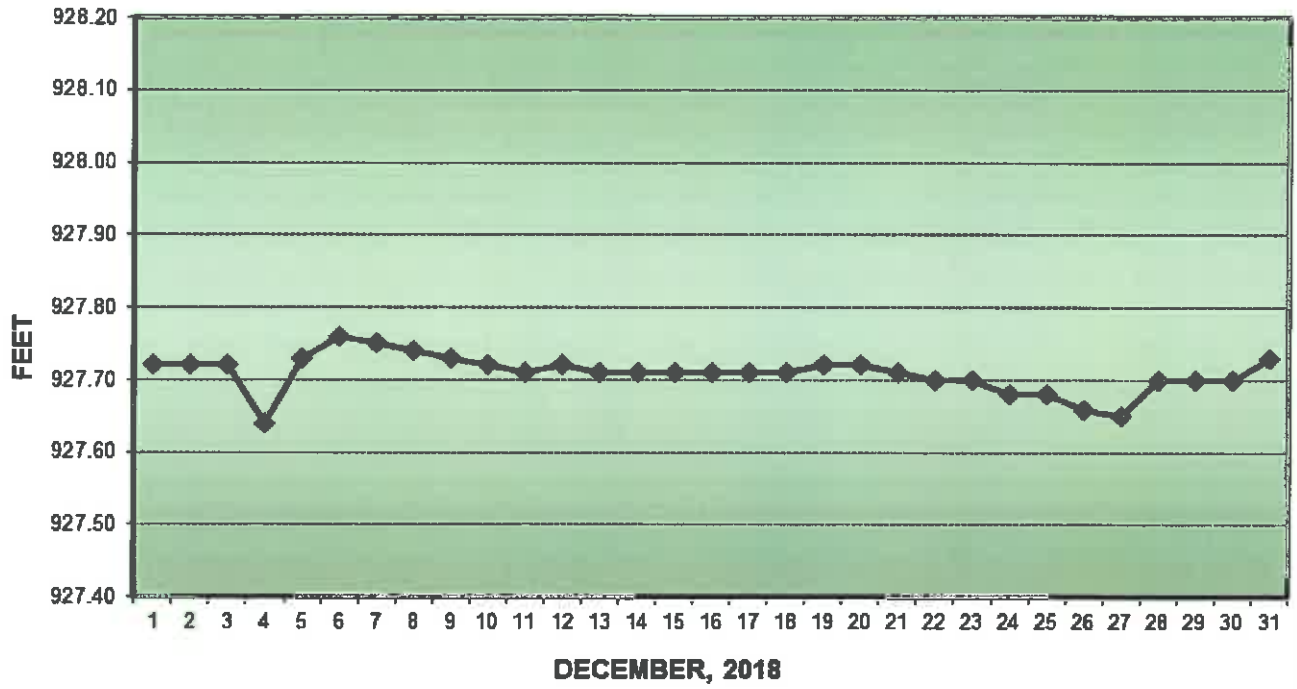
PRECIPITATION - DELAVAN LAKE, WI



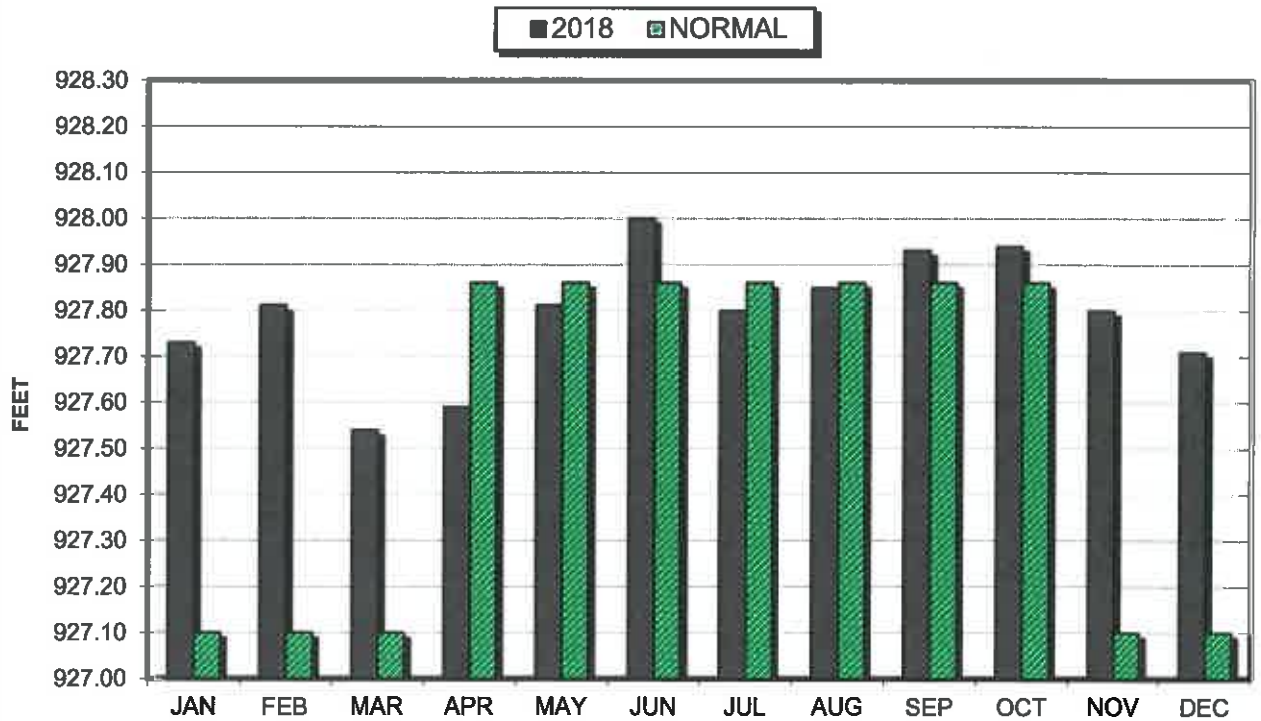
AVERAGE WASTEWATER FLOWS



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.	Month (In Inches)	Yr to Date (In Inches)			Average (In Feet)	Maximum (In Feet)	Month	YTD
2016												
JAN	1/11/16		42	-6	0.99	0.99	-	927.73	-	-	-	-
FEB			59	0	1.62	1.62	-	927.82	-	-	-	-
MAR	3/9/16		68	1	5.72	5.72	42	927.74	18.7	23.0	-	-
APR			82	21	7.33	7.33	44	927.91	16.3	23.0	-	-
MAY			87	32	10.66	10.66	56	927.85	17.7	24.0	212	212
JUN			91	48	14.08	14.08	72	927.86	13.4	24.0	861	1073
JUL			92	50	17.11	17.11	77	927.86	8.0	12.0	608	1681
AUG			90	51	21.04	21.04	79	927.88	8.7	11.0	925	2606
SEP			91	48	23.82	23.82	74	927.86	12.0	13.0	395	3001
OCT			81	32	26.89	26.89	64	927.81	6.8	7.5	277	3278
NOV			75	18	30.15	30.15	57	927.80	13.7	14.0	-	-
DEC	12/18/16		47	-14	1.90	32.05	-	927.76	-	-	-	-
2017												
JAN			54	-2	2.49	2.49	-	927.71	-	-	-	-
FEB	2/24/17		68	10	5.02	5.02	-	927.61	-	-	-	-
MAR			75	11	2.88	7.90	-	927.66	-	-	-	-
APR			81	30	6.01	13.91	49	927.79	30.0	30.0	296	296
MAY			86	32	4.03	17.94	54	927.87	19.7	26.0	1047	1343
JUN			93	47	6.39	24.33	68	927.87	12.6	19.0	840	2183
JUL			89	54	7.18	31.51	76	928.22	5.9	10.0	1157	3340
AUG			84	44	1.64	33.15	73	927.87	6.2	7.0	113	3453
SEP			94	40	0.27	33.42	72	927.77	6.1	9.0	-	-
OCT			83	31	4.73	38.15	64	927.72	6.9	7.6	-	-
NOV			63	13	1.42	39.57	45	927.58	7.5	7.5	-	-
DEC	12/26/17		61	27	0.10	39.67	-	927.64	-	-	-	-
2018												
JAN			54	-12	1.70	1.70	-	927.73	-	-	-	-
FEB			58	-11	1.83	3.53	-	927.81	-	-	-	-
MAR	3/24/18		57	15	0.76	4.29	-	927.54	-	-	-	-
APR			81	17	1.67	5.96	44	927.59	11.0	9.8	275	275
MAY			96	39	4.56	10.52	64	927.81	24.0	30.0	749	1024
JUN			93	47	7.53	18.05	70	928.00	7.5	11.0	1484	2508
JUL			91	52	2.11	20.16	78	927.80	7.5	11.4	1156	3664
AUG			91	53	6.95	27.11	78	927.85	6.8	7.5	531	4195
SEP			91	36	7.37	34.48	59	927.93	8.2	12.0	124	4319
OCT			86	24	5.54	40.02	57	927.94	6.4	8.5	-	-
NOV			52	15	1.50	41.52	-	927.80	-	-	-	-
DEC	12/10/18		50	11	2.14	43.66	-	927.71	-	-	-	-