

**DELA VAN LAKE SANITARY DISTRICT
ADMINISTRATOR'S REPORT
DECEMBER ACTIVITY 2020**

ADMINISTRATION

LS#3A rehab project is underway with vault being poured.

Dredging program is still in evaluation stages and waiting for permits from the DNR.

Televising and sewer jetting will begin again in 2021.

Lift Station Wet Wells were cleaned, and septic tank pumped at the administration building.

Harvesters winterizing maintenance work is in progress.

ERU's are set for 2021.

Vac/Jetter Truck evaluations are in progress.

Staff is evaluating all aged equipment 15 years of age or older within the sewer utility.

Lift Station #4 electric control panels is wrapping up final installation of components.

Generator is completed and repair costs submitted to insurance for re-imburement of an estimated \$77K.

SEWER SYSTEM OPERATIONS

Building Sewer Connections

New Connections for the Month - 0

Reconnections for the Month - 0

Disconnections for the Month - 1

Total Number of Structures Connected to Date - 3,110

Total ERU Count for the Month - 4,022

Operation and Maintenance

Average December Daily Wastewater Flow to WalCoMet - 524,289 gallons

Peak December Flow - 630,582 gallons

Diggers Requests Marked for the Month - 49

Emergency Call Outs - 6

The following charts are attached: *Wastewater Flow comparison with Precipitation for December, 2020*
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, 2020
Lake Elevation comparison with "normal"

Lake Monitoring/Lake Level

Precipitation Total for the Month – 1.91 inches
Below Normal – .24 inches
Ice On Date – January 17, 2020
Ice Off Date – March 13, 2020
Secchi Disc Reading Main Lake – 17.0 feet on 11/3/2020

See attached Lake Elevation Graph and Chart.

Lake Information

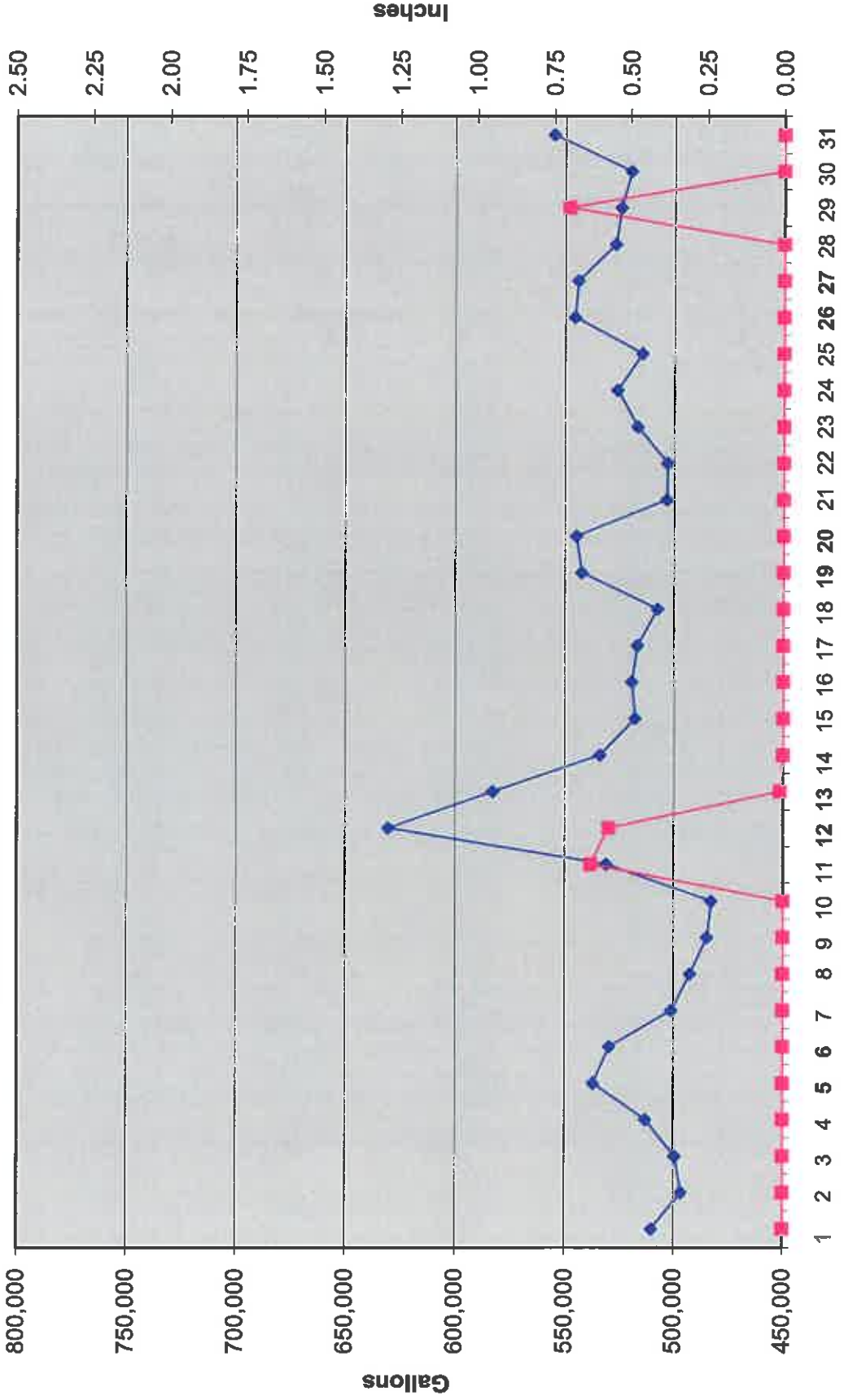
DNR Lake Level Goal – 927.86 feet
Average Lake Elevation – 927.74 feet
Number of Dam Inspections – 31

Lake Committee

The next meeting of the Lake Committee is scheduled for 7:00 P.M. on Wednesday, February 3, 2021 at the Town Hall.

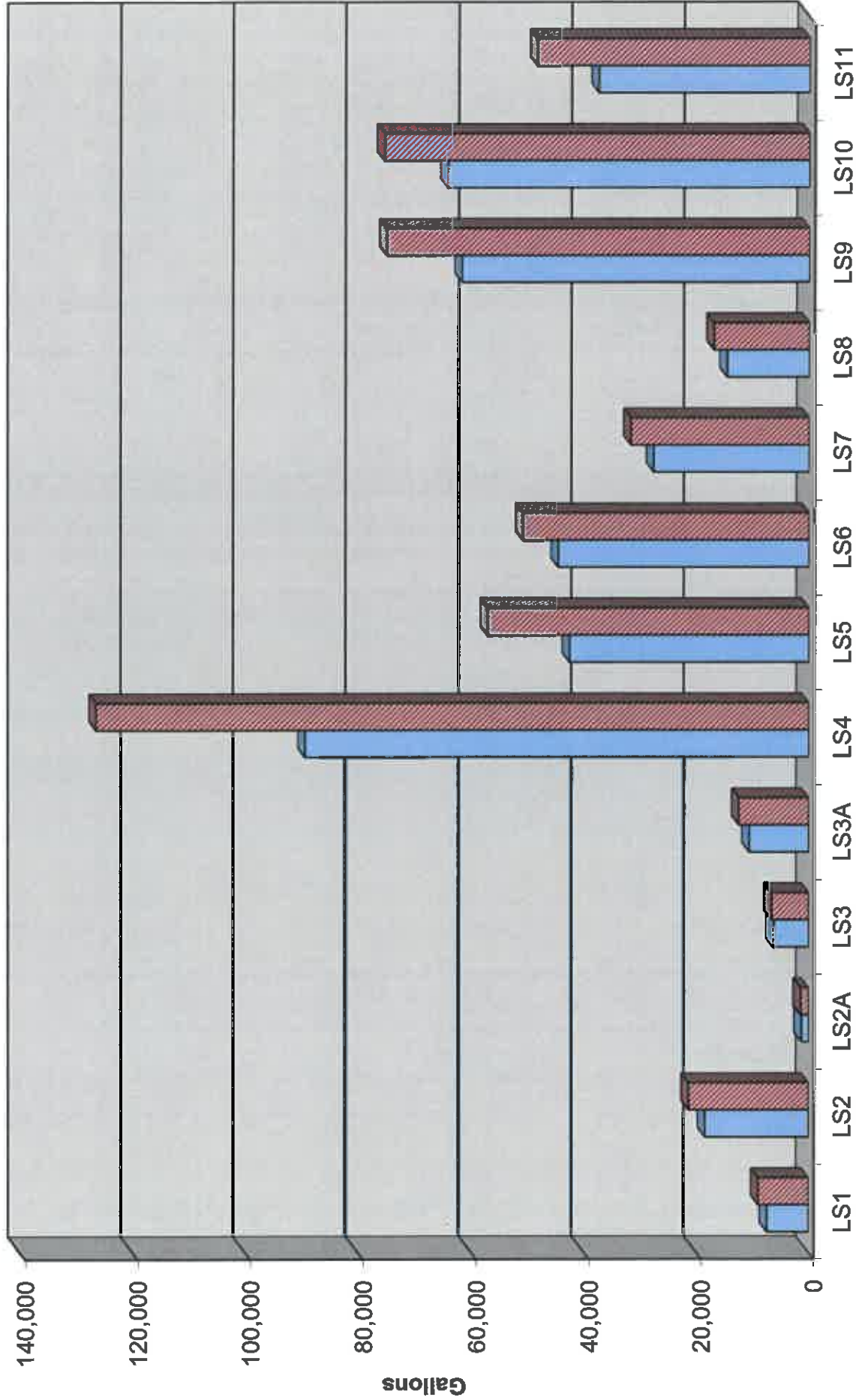
Attachments

Wastewater Flow/Precipitation - December, 2020

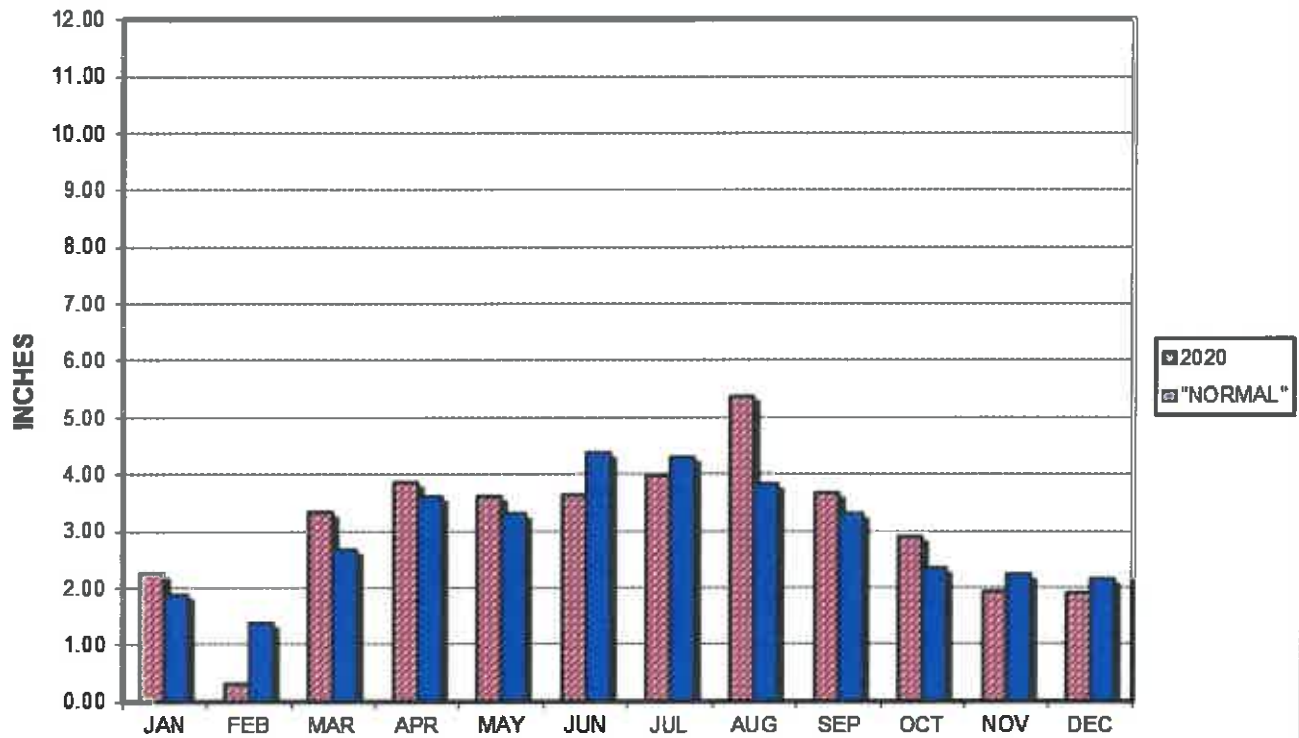


Average Daily Flow/Peak Flow by Area - December, 2020

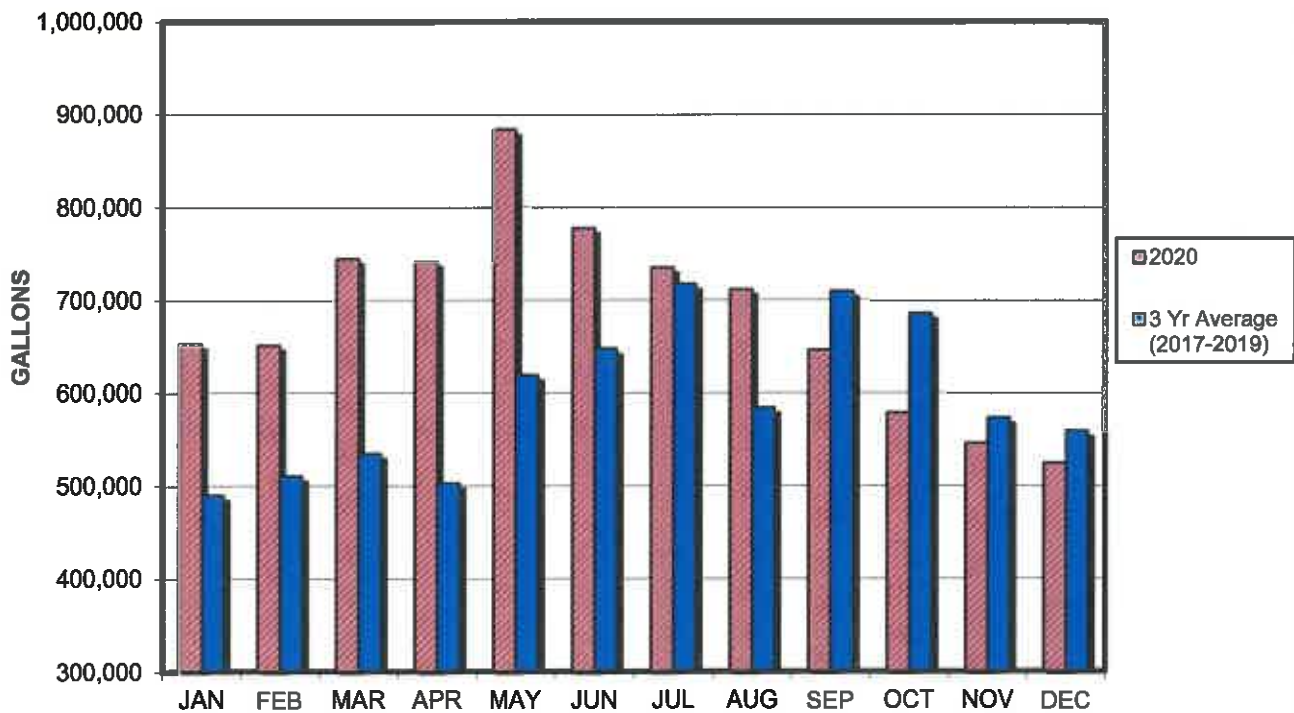
□ Average ■ Peak



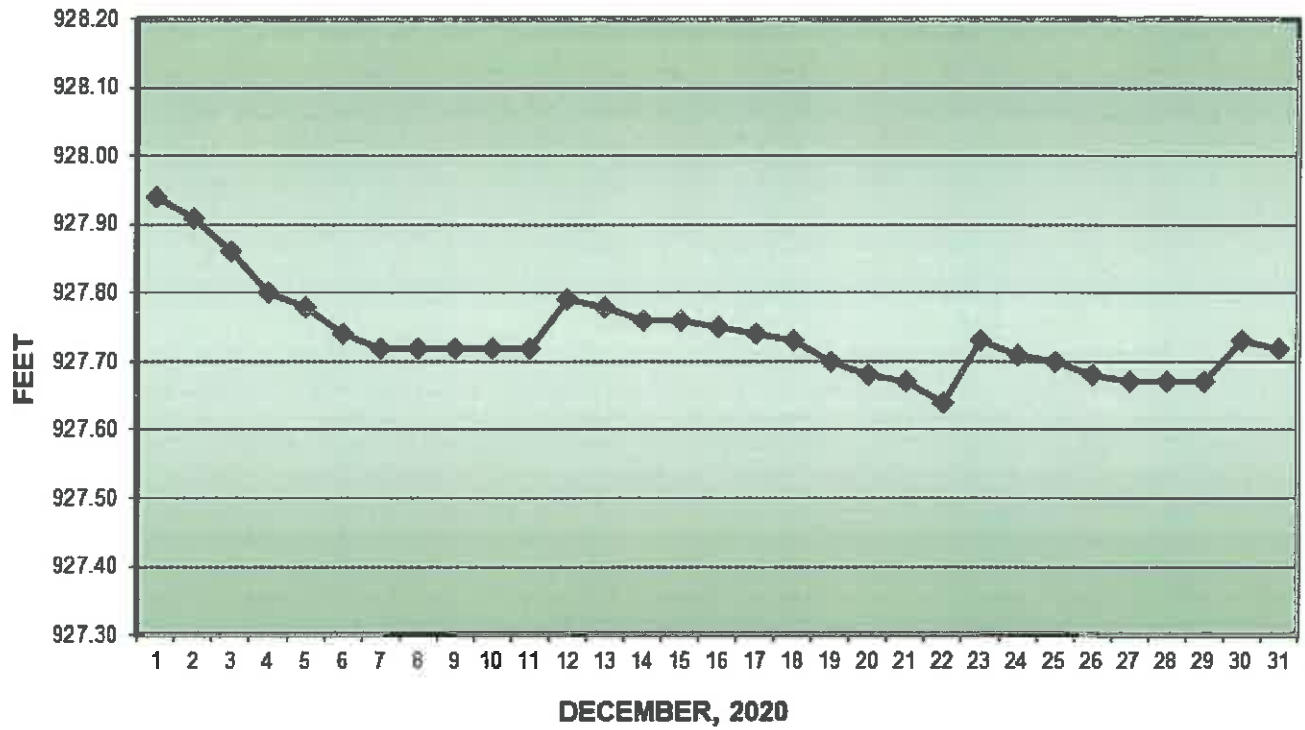
PRECIPITATION - DELAVAN LAKE, WI



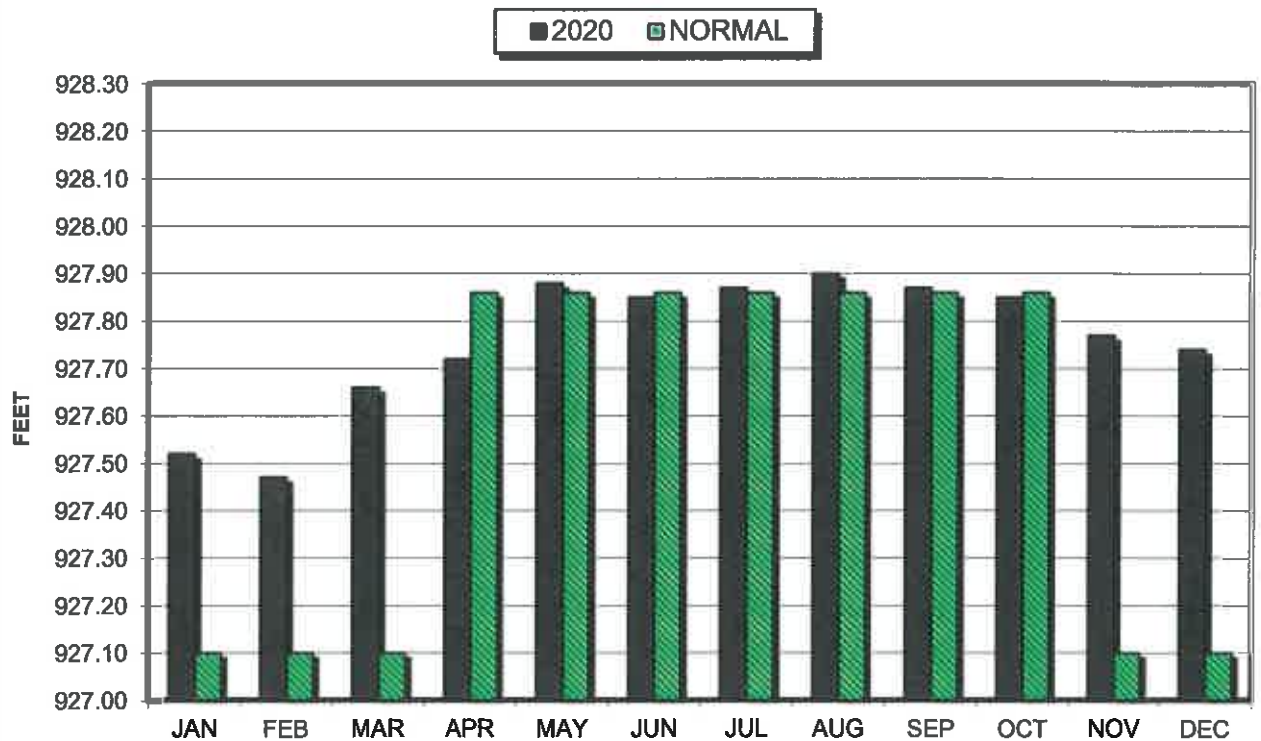
AVERAGE WASTEWATER FLOWS



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.	Mean	Month (In Inches)	Yr to Date (In Inches)			Average (In Feet)	Maximum (In Feet)	Month	YTD
2018													
JAN			54	-12	21	1.70	1.70	-	927.73	-	-	-	-
FEB			58	-11	24	1.83	3.53	-	927.81	-	-	-	-
MAR		3/24/18	57	15	36	0.76	4.29	-	927.54	-	-	-	-
APR			81	17	49	1.67	5.96	44	927.59	11.0	9.8	-	-
MAY			96	39	68	4.56	10.52	64	927.81	24.0	30.0	275	275
JUN			93	47	70	7.53	18.05	70	928.00	7.5	11.0	749	1024
JUL			91	52	72	2.11	20.16	78	927.80	7.5	11.4	1484	2508
AUG			91	53	72	6.95	27.11	78	927.85	6.8	7.5	1156	3664
SEP			91	36	64	7.37	34.48	59	927.93	8.2	12.0	531	4195
OCT			86	24	55	5.54	40.02	57	927.94	6.4	8.5	124	4319
NOV			52	15	34	1.50	41.52	-	927.80	-	-	-	-
DEC	12/10/18		50	11	31	2.14	43.66	-	927.71	-	-	-	-
2019													
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	42	927.86	11.0	11.5	-	-
MAY			80	34	57	7.29	17.10	59	927.82	23.8	26.0	112	112
JUN			92	46	69	5.05	22.15	69	927.85	15.3	20.0	695	807
JUL			92	54	73	3.68	25.83	78	927.85	9.0	12.5	1310	2117
AUG			87	51	69	4.89	30.72	78	927.86	7.3	8.5	1283	3400
SEP			85	48	67	9.26	39.98	71	927.98	5.8	8.0	359	3759
OCT			76	23	50	5.66	45.64	58	927.95	6.3	8.0	86	3845
NOV			53	5	24	1.62	47.26	-	927.63	-	-	-	-
2020													
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	48	927.72	10.0	12.0	-	-
MAY			88	28	58	3.60	13.35	67	927.88	16.4	25.0	202	202
JUN			93	47	70	3.63	16.98	75	927.85	8.2	17.0	1423	1625
JUL			94	57	76	3.97	20.95	79	927.87	9.6	13.0	1395	3020
AUG			88	38	50	5.38	26.33	75	927.90	7.9	9.8	714	3734
SEP			82	34	58	3.65	29.98	66	927.87	8.3	12.0	169	3903
OCT			82	26	56	2.90	32.88	62	927.85	6.3	7.0	-	-
NOV			75	22	53	1.92	34.80	47	927.77	14.7	17	-	-
DEC			56	5	31	1.91	36.71	-	927.74	-	-	-	-