

**DELAVAN LAKE SANITARY DISTRICT
ADMINISTRATOR'S REPORT
MARCH ACTIVITY 2022**

ADMINISTRATION

Lift Station 4 phases 2 and 3 are in progress to get completed.

Lake Harvesting operations equipment getting prepped for spring launch.

Large 21-inch and 24-inch sewer line on HWY O was discussed with county officials to plan for repair prior to County O highway project scheduled in May of 2023.

Lift Stations 1, 9 and 10 will have electrical upgrades done in late 2022 and 2023. Generator replacement is set for this spring or summer for Lift Station 9.

DLSD is appealing the County's decision that DLSD must rezone its easement, apply for a conditional use and a zoning variance to have its sewer system infrastructure in the Shoreland District areas, which has already been approved in the 70's.

Software upgrades done for improved cyber security.

SEWER SYSTEM OPERATIONS

Building Sewer Connections

New Connections for the Month - 0

Reconnections for the Month - 1

Disconnections for the Month - 2

Total Number of Structures Connected to Date - 3,110

Total ERU Count for the Month - 4,028

Operation and Maintenance

Average March Daily Wastewater Flow to WalCoMet - 407,782 gallons

Peak March Flow - 497,966 gallons

Diggers Requests Marked for the Month - 52

Emergency Call Outs - 1

Lateral Leaks

Sump Pump Discharges - 4

Current Lateral Leaks - 51

Completed Lateral Leak Orders - 4

The following charts are attached: *Wastewater Flow comparison with Precipitation for March, 2022*
Average Daily Wastewater Flow comparison with Peak Flow
Precipitation comparison with "normal"
Wastewater Flow comparison with "normal"
Environmental Data Summary
Daily Lake Elevation for March, 2022
Lake Elevation comparison with "normal"

Lake Monitoring/Lake Level

Precipitation Total for the Month – 2.91inches
Above Normal – .24 inches
Ice On Date – January 10, 2022
Ice Off Date – March 23, 2022
Secchi Disc Reading Main Lake – 13.0 feet on 11/10/2021

See attached Lake Elevation Graph and Chart.

Lake Information

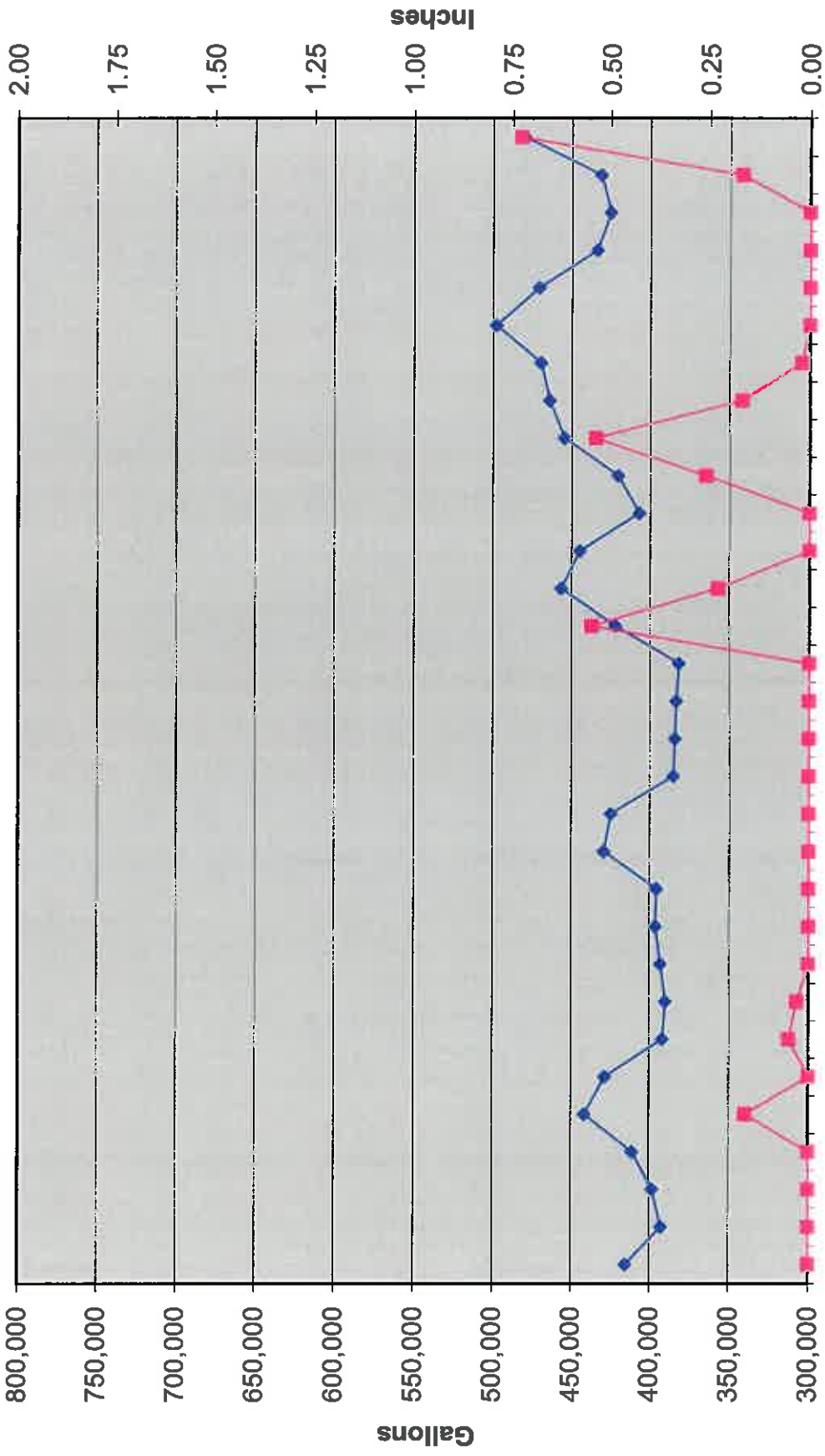
DNR Lake Level Goal – 927.86 feet
Average Lake Elevation – 927.80 feet

Lake Committee

The next meeting of the Lake Committee is scheduled for 7:00 P.M. on Wednesday, May 4, 2022 at the Town Hall.

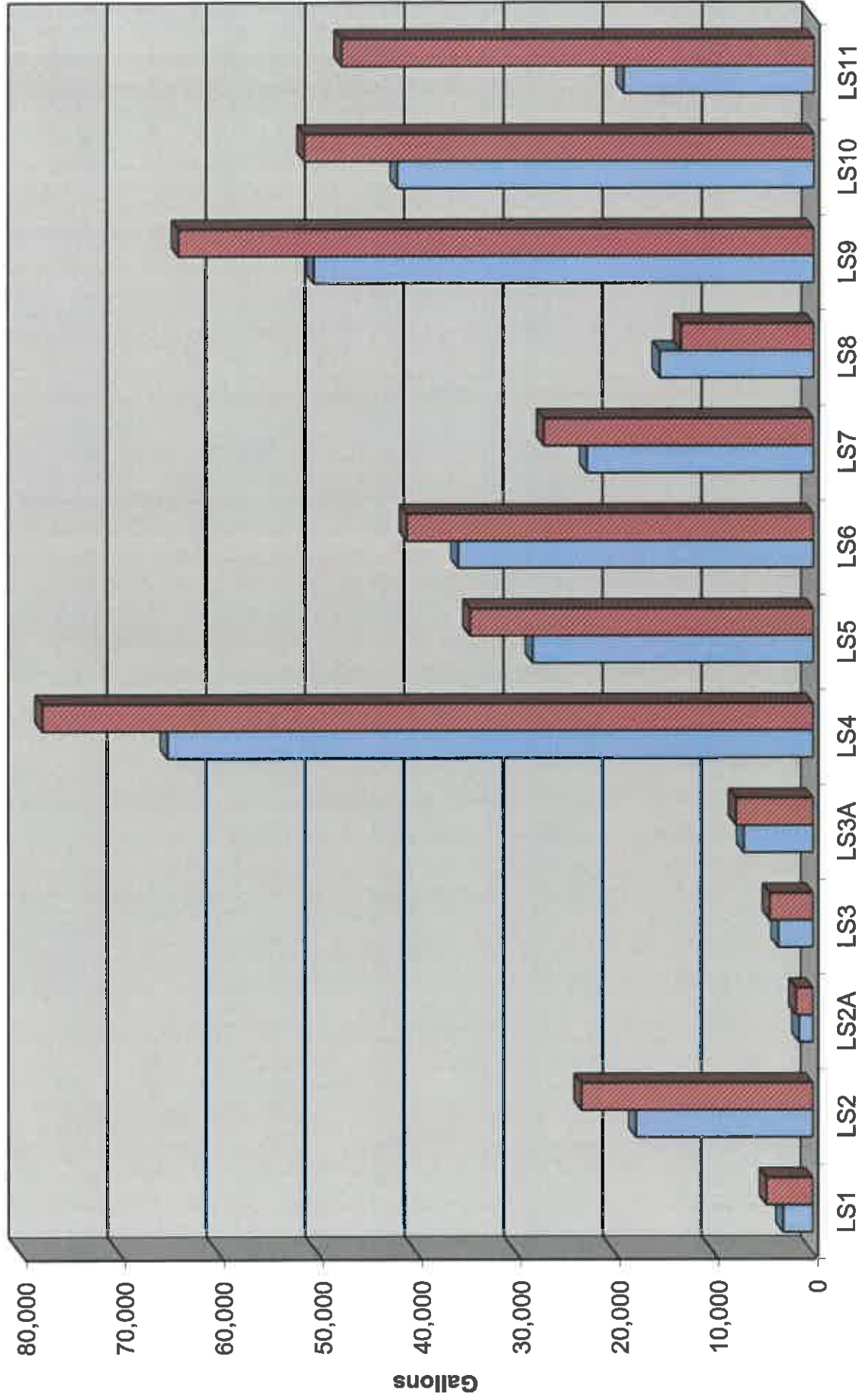
Attachments

Wastewater Flow/Precipitation - March, 2022

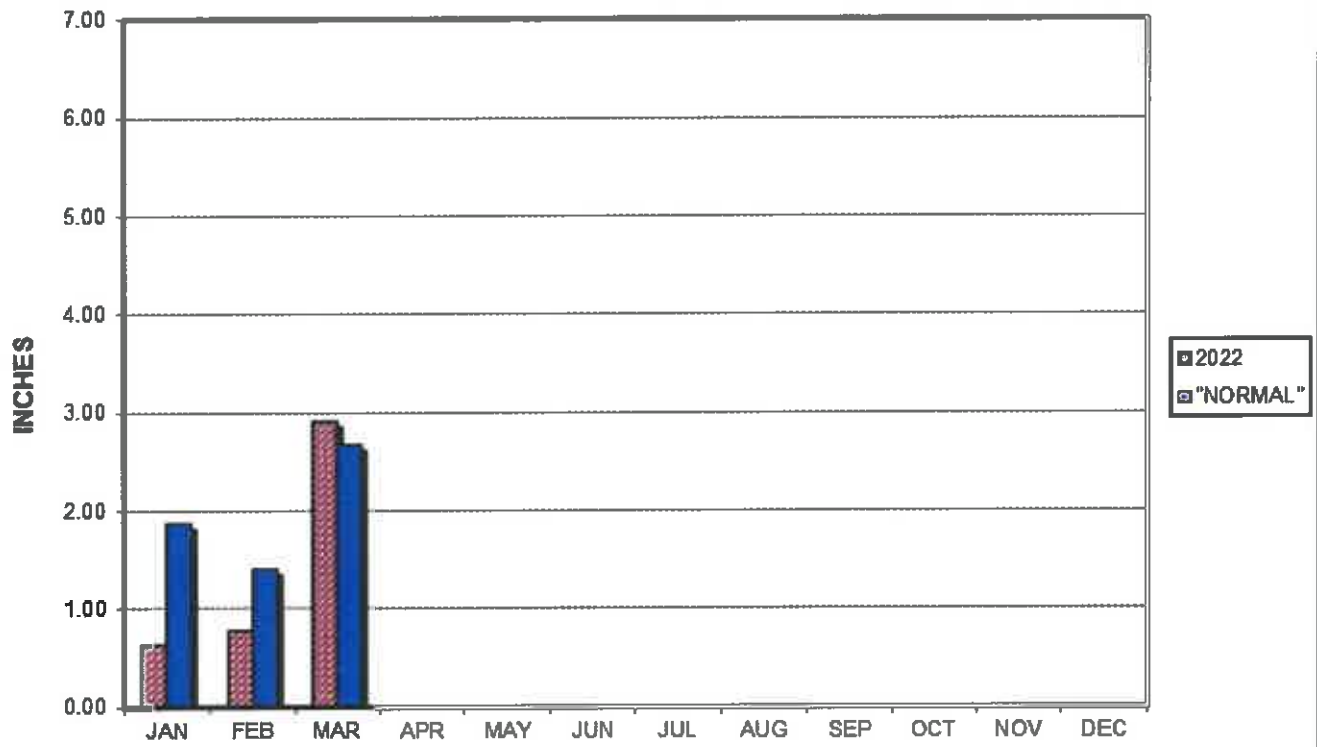


Average Daily Flow/Peak Flow by Area - March, 2022

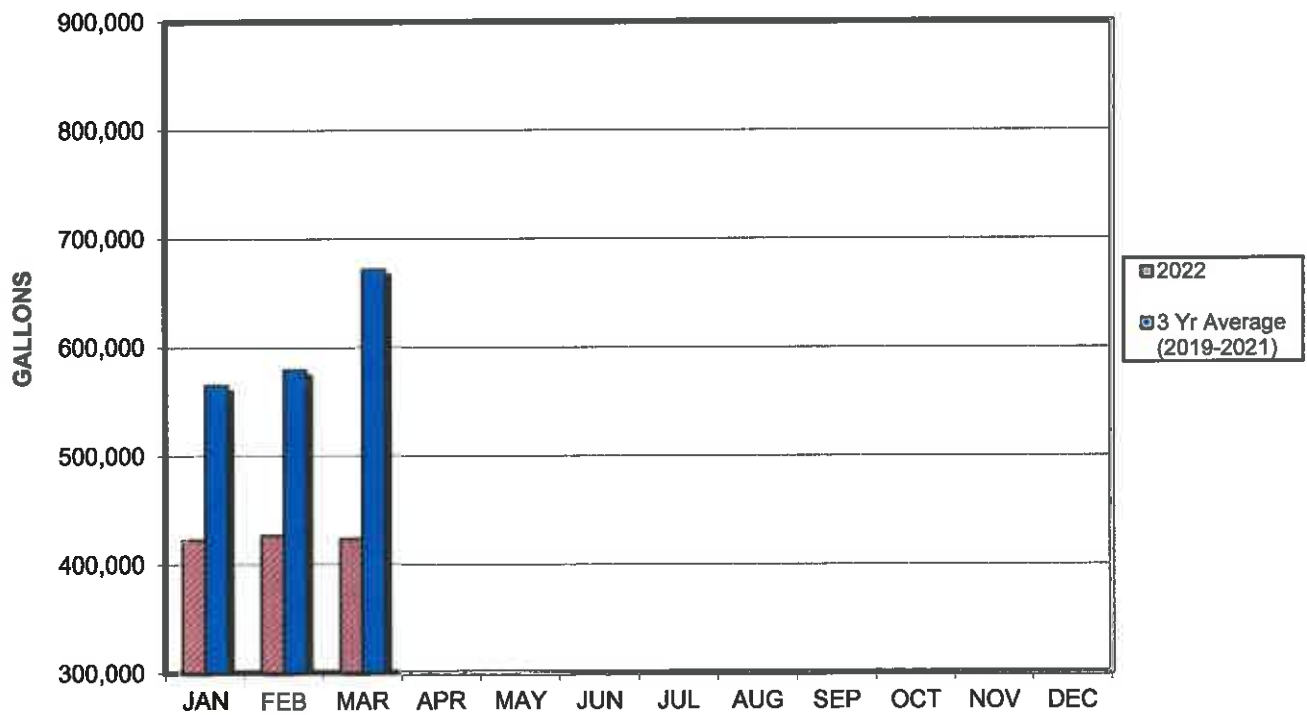
■ Average ■ Peak



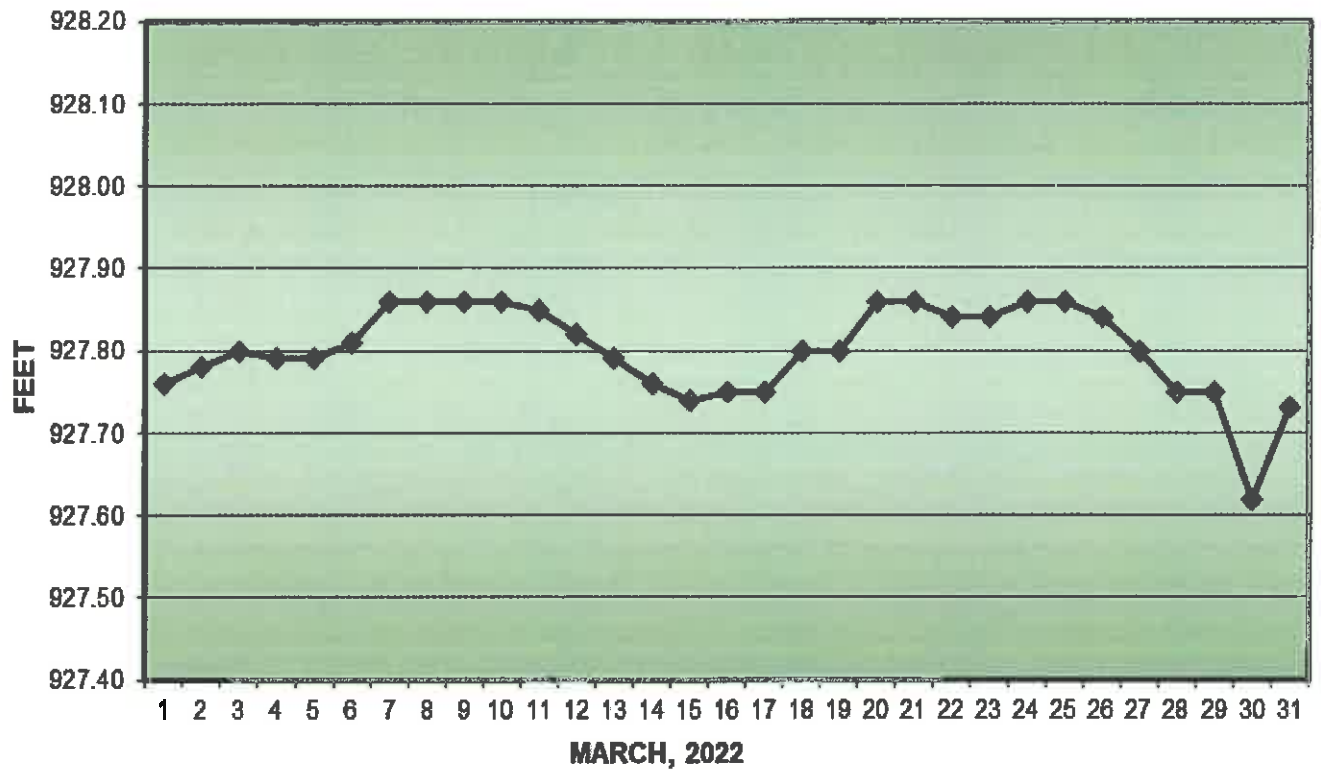
PRECIPITATION - DELAVAN LAKE, WI



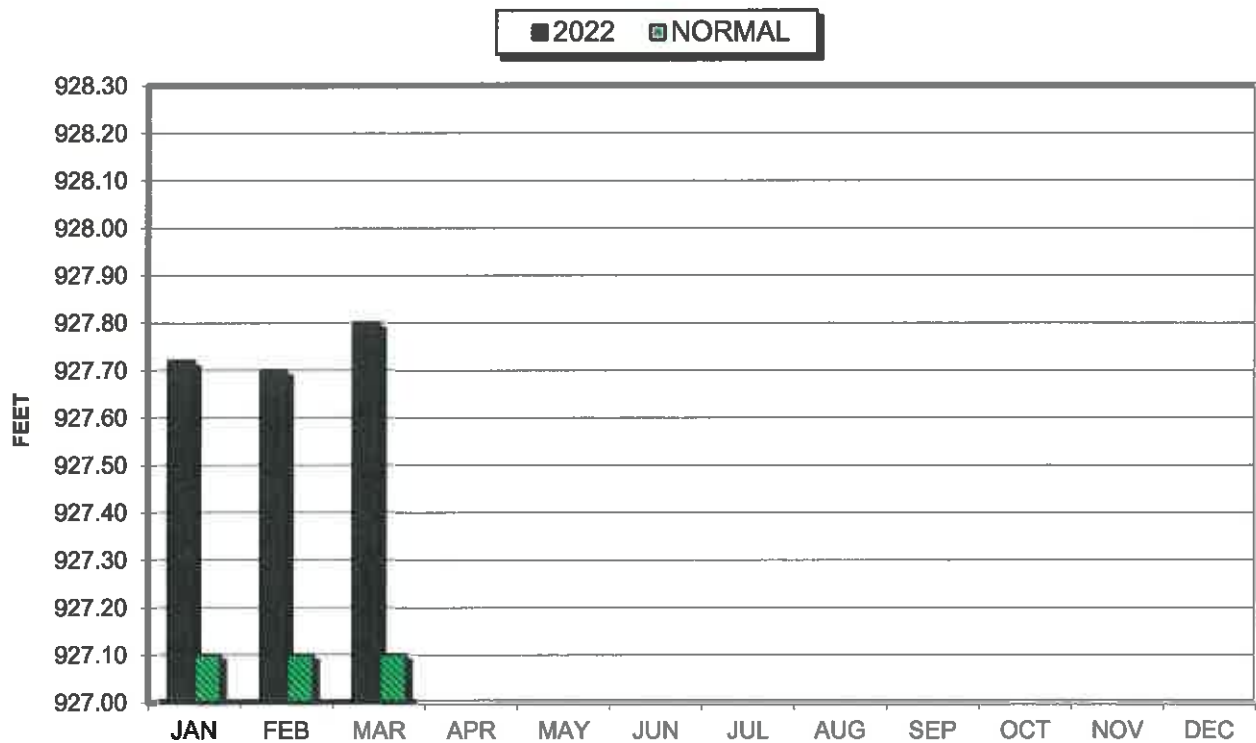
AVERAGE WASTEWATER FLOWS



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
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	-	-	-	-
2021													
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	46	927.75	8.7	9	547	547
MAY			88	30	59	1.52	6.66	67	927.87	18.3	32.0	2495	3042
JUN			95	46	71	2.58	9.24	76	927.84	10.1	19.5	1800	4842
JUL			92	52	72	2.87	12.11	78	927.89	10.2	14.0	1910	6752
AUG			93	51	72	3.96	16.07	77	927.78	9.0	12.0	595	7347
SEP			89	45	67	1.33	17.40	66	927.53	7.8	11.0	59	7406
OCT			87	29	58	4.78	22.18	67	927.55	9.3	11.0	-	-
NOV			66	15	41	0.46	22.64	51	927.57	9.7	13	-	-
DEC			64	7	35	1.81	24.45	-	927.61	-	-	-	-
2022													
JAN	1/10/22		40	-18	11	0.63	0.63	-	927.72	-	-	-	-
FEB			49	-3	23	0.77	1.40	-	927.70	-	-	-	-
MAR	3/23/22		73	6	34	2.91	4.31	-	927.80	-	-	-	-