

**DELAVAN LAKE SANITARY DISTRICT
ADMINISTRATOR'S REPORT
MAY ACTIVITY 2024**

ADMINISTRATION

Lift Station #3 and #10 generators are installed. Final wiring methods are also being completed to tie in control panel.

New experimental mesh put on harvester again to experiment with better ways to pick up algae and duck weed.

Villa Clare Development Sanitary Sewer review is in progress.

Lift Station #2A contractor getting things ready to start project.

Modifications to the barge are complete and it is a float and ready for use.

Shores of Delavan held preconstruction for site grading. Utility meetings are soon.

Audit has been completed.

SEWER SYSTEM OPERATIONS

Building Sewer Connections

New Connections for the Month - 0

Reconnections for the Month - 1

Disconnections for the Month - 1

Total Number of Structures Connected to Date - 3,131

Total ERU Count for the Month - 4,055

Operation and Maintenance

Average May Daily Wastewater Flow to WalCoMet - 585,311 gallons

Peak May Flow - 887,364 gallons

Diggers Requests Marked for the Month - 114

Emergency Call Outs - 15

Lateral Leaks

Sump Pump Discharges - 4

Current Lateral Leaks - 51

Completed Lateral Leak Orders - 5

The following charts are attached: *Wastewater Flow comparison with Precipitation May, 2024*
Average Daily Wastewater Flow comparison with Peak Flow
Precipitation comparison with "normal"
Wastewater Flow comparison with "normal"
Environmental Data Summary
Daily Lake Elevation for May, 2024
Lake Elevation comparison with "normal"

Lake Monitoring/Lake Level

Precipitation Total for the Month – 5.93 inches
Above Normal – 2.63 inches
Ice On Date – January 15, 2024
Ice Off Date – February 27, 2024

Secchi Disc Reading Main Lake – 28.0 feet 5/6/2024

See attached Lake Elevation Graph and Chart.

Lake Information

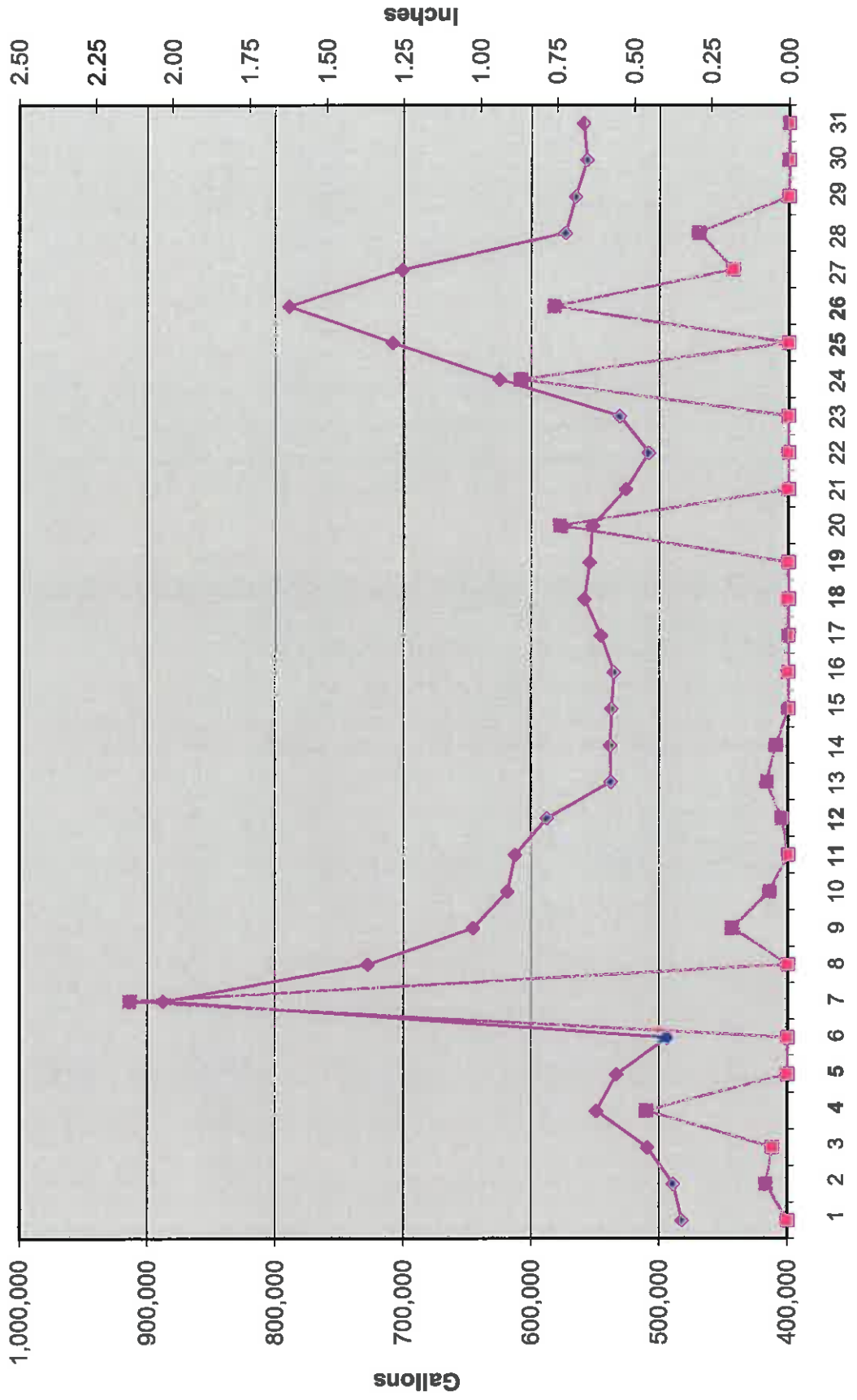
DNR Lake Level Goal – 927.86 feet
Average Lake Elevation – 927.95 feet

Lake Committee

The next meeting of the Lake Committee is scheduled for 7:00 P.M. on Wednesday, July 3, 2024 at the Town Hall.

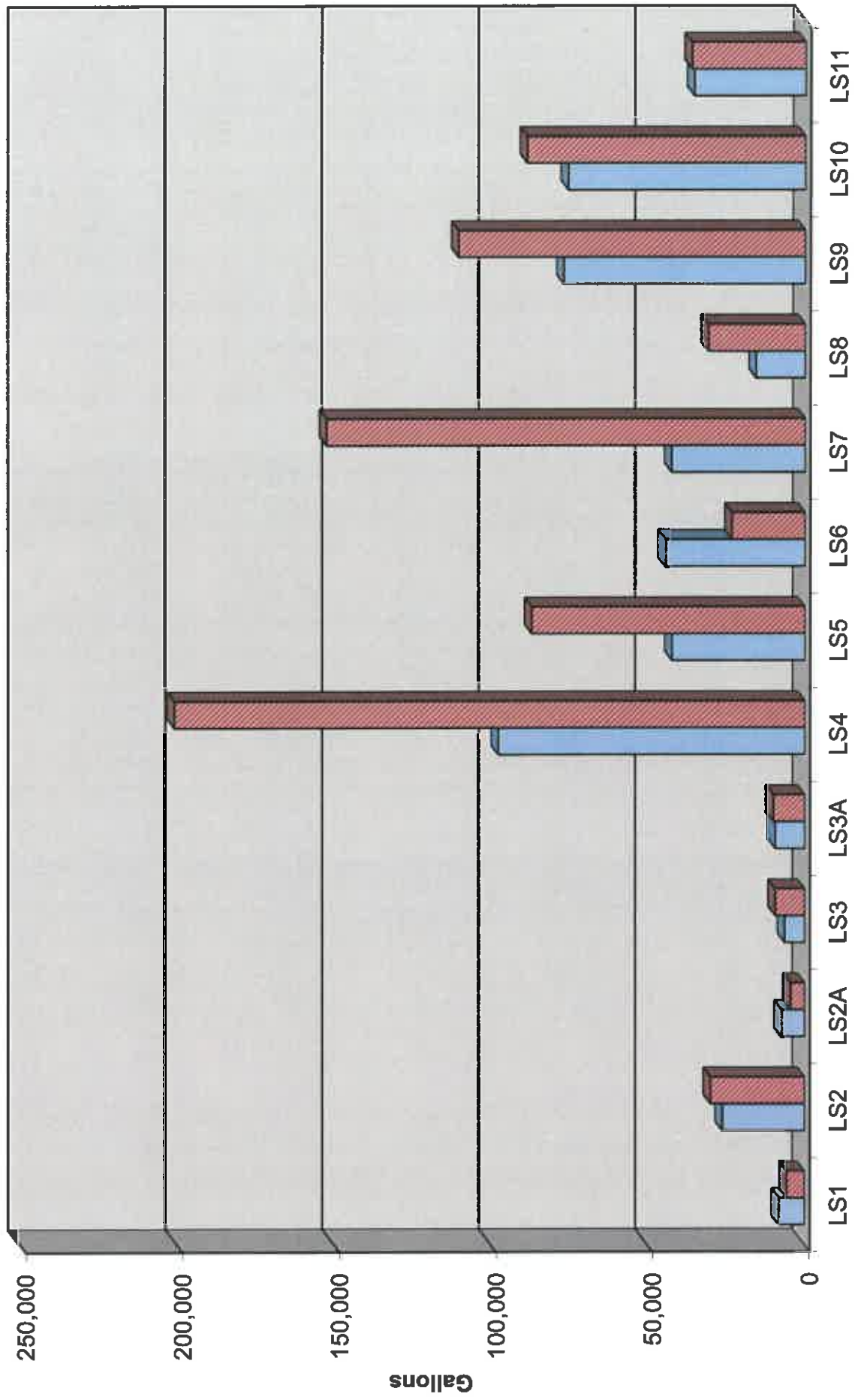
Attachments

Wastewater Flow/Precipitation - May, 2024

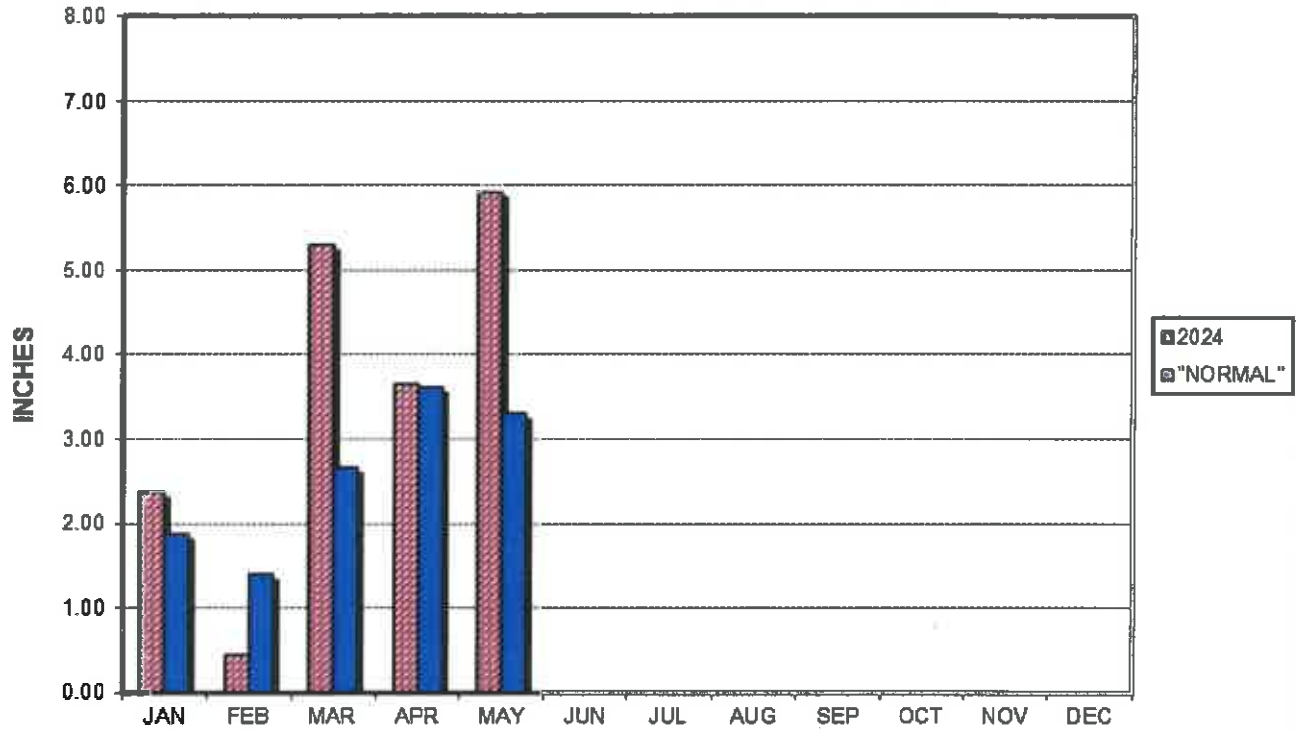


Average Daily Flow/Peak Flow by Area - May, 2024

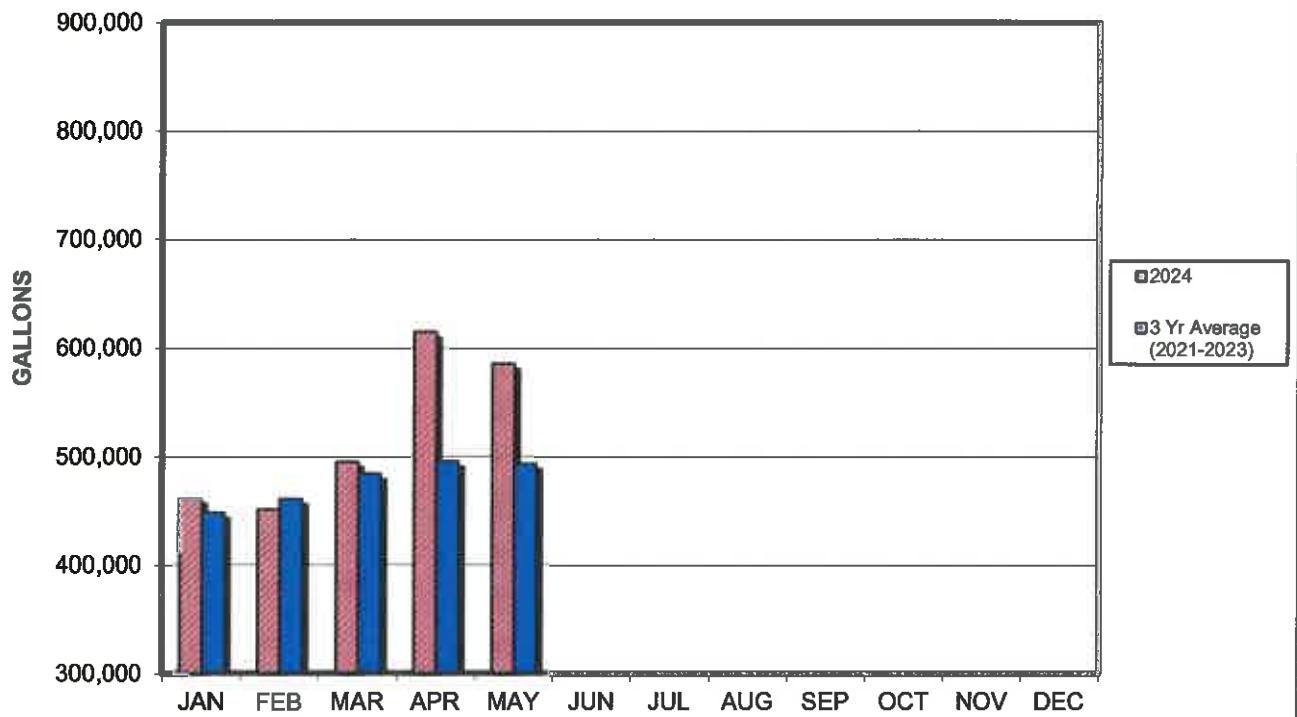
□ Average ■ Peak



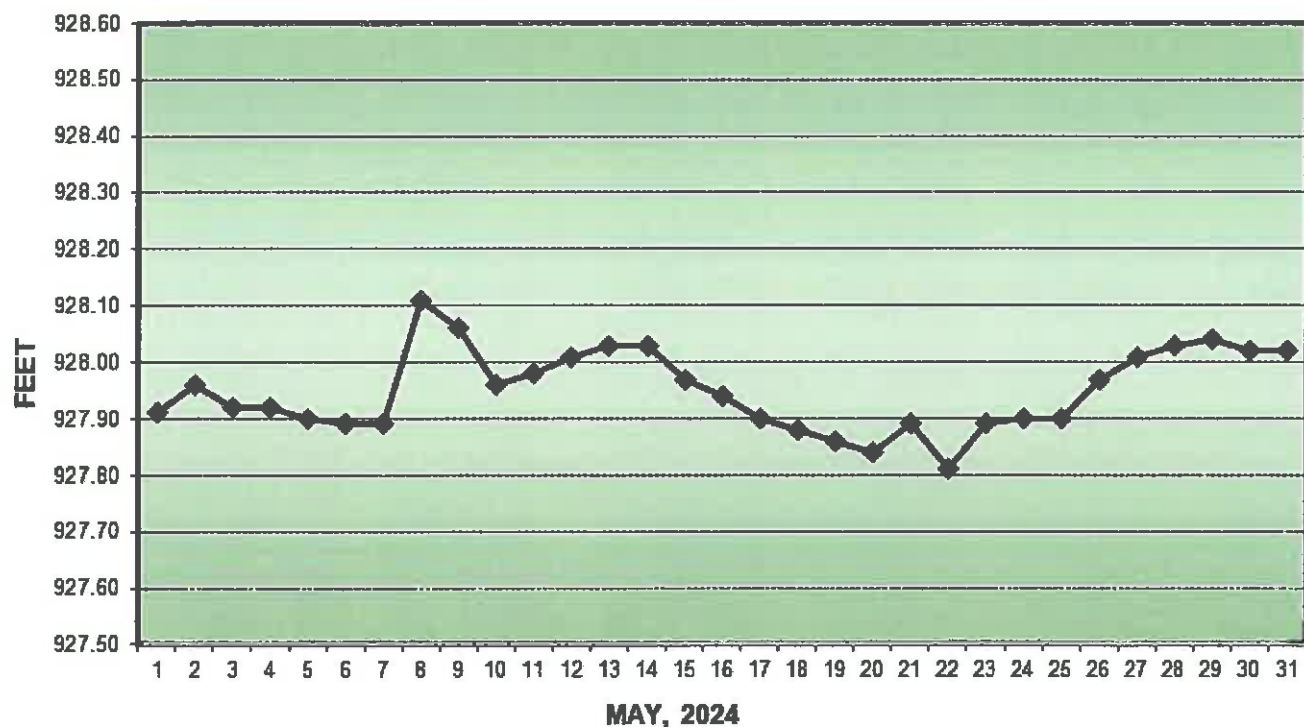
PRECIPITATION - DELAVAN LAKE, WI



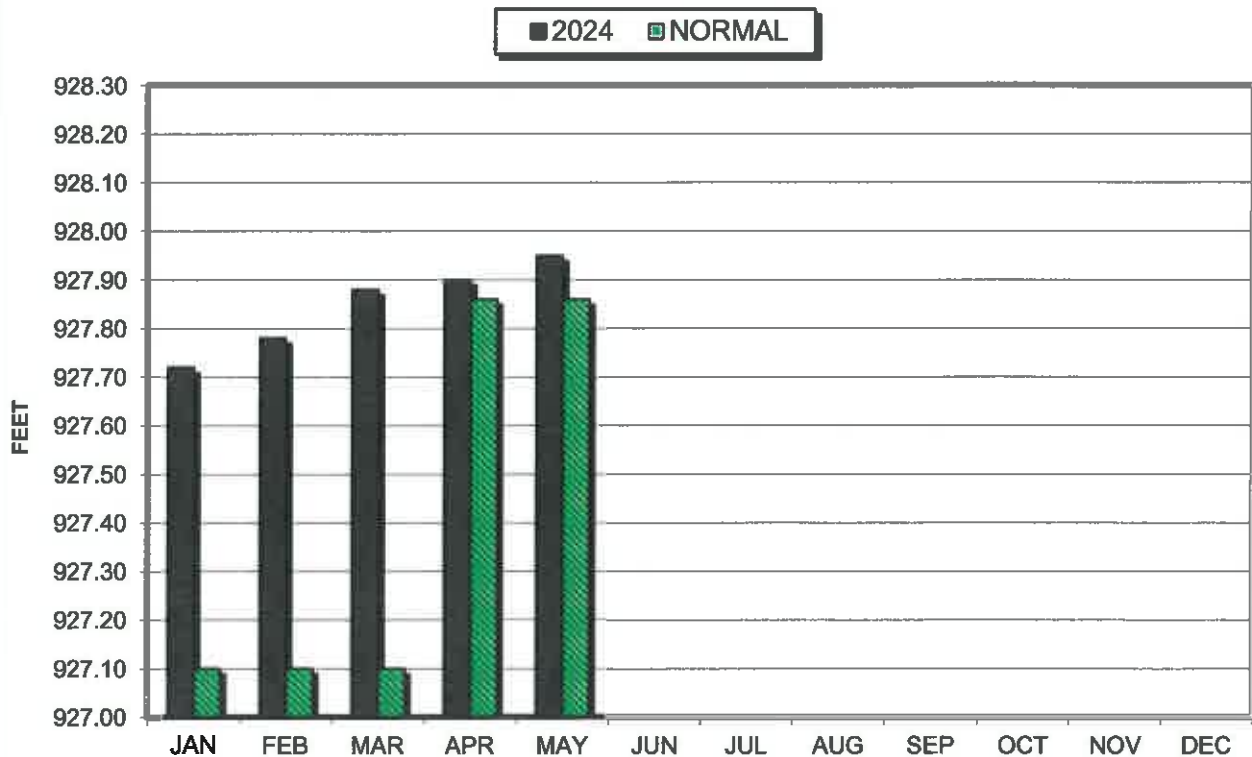
AVERAGE WASTEWATER FLOWS



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
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	-	-	-	-
APR			81	24	52	5.05	9.36	42	927.88	20.0	20.0	-	-
MAY			91	33	62	2.42	11.78	62	927.90	12.7	20.0	387	387
JUN			98	47	72	2.21	13.99	74	927.87	9.7	13.0	2184	2571
JUL			90	52	71	2.98	16.97	79	927.68	8.7	10.0	1431	4002
AUG			92	52	72	4.28	21.25	79	927.60	6.6	9.0	1585	5587
SEP			85	35	60	7.51	28.76	59	927.85	6.7	7.0	305	5892
OCT			78	29	54	1.67	30.43	-	927.79	-	-	39	5931
NOV			75	9	42	1.23	31.66	51	927.77	12.3	15.0	-	-
DEC	12/19/22		56	-13	22	1.67	33.33	-	927.72	-	-	-	-
2023													
JAN			49	-14	18	1.67	1.67	-	927.71	-	-	-	-
FEB			51	-7	22	4.14	5.81	-	927.78	-	-	-	-
MAR			69	9	39	2.89	8.70	-	927.81	-	-	-	-
APR		3/10/23	82	26	54	3.87	12.57	49	927.83	8.0	9.0	-	-
MAY			91	35	63	1.45	14.02	62	927.85	21.8	38.0	855	855
JUN			92	43	67	1.22	15.24	70	927.73	9.6	17.0	1553	2408
JUL			92	53	72	3.67	18.91	75	927.68	6.0	8.0	1558	3966
AUG			97	44	71	1.88	20.79	76	927.83	7.3	10.0	1620	5586
SEP			93	42	68	3.78	24.57	68	927.75	8.7	12.0	854	6440
OCT			86	24	55	3.01	27.58	-	927.89	-	-	146	6586
NOV			68	10	39	1.01	28.59	-	927.84	-	-	-	-
DEC			56	13	34	2.13	30.72	-	927.75	-	30.0	-	-
2024													
JAN	1/15/24		38	-16	11	2.36	2.36	-	927.72	-	-	-	-
FEB			74	10	42	0.44	2.80	-	927.78	-	-	-	-
MAR		2/27/24	72	22	47	5.31	8.11	-	927.88	-	-	-	-
APR			82	28	55	3.65	11.76	-	927.90	-	-	-	-
MAY			87	44	65	5.93	17.69	67	927.95	18.2	28.0	466	466