

**DELAVAN LAKE SANITARY DISTRICT
ADMINISTRATOR'S REPORT
OCTOBER ACTIVITY 2023**

ADMINISTRATION

Lift Station #4 interior painting is complete.

Borg Road easement with WalCoMet is complete and the access path to the metering station is in progress.

WalCoMet will be lining a sewer on Borg Road.

All harvesters have been removed from the lake and undergoing maintenance for launch in the spring.

Engineer is finalizing reviews of Shores of Delavan development.

Lift Station #1 generator is installed and the main panel.

Lift Station #2A Generator is being replaced.

Lift Station #5 preliminary designs are in progress.

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 - 3,126

Total ERU Count for the Month - 4,046

Operation and Maintenance

Average October Daily Wastewater Flow to WalCoMet - 459,012 gallons

Peak October Flow - 597,368 gallons

Diggers Requests Marked for the Month - 104

Emergency Call Outs - 0

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 October, 2023*
Average Daily Wastewater Flow comparison with Peak Flow
Precipitation comparison with "normal"
Wastewater Flow comparison with "normal"
Environmental Data Summary
Daily Lake Elevation for October, 2023
Lake Elevation comparison with "normal"

Lake Monitoring/Lake Level

Precipitation Total for the Month – 3.01 inches
Above Normal – .67 inches
Ice On Date – December 19, 2022
Ice Off Date – March 10, 2023
Secchi Disc Reading Main Lake – 12.0 feet 9/27/2023

See attached Lake Elevation Graph and Chart.

Lake Information

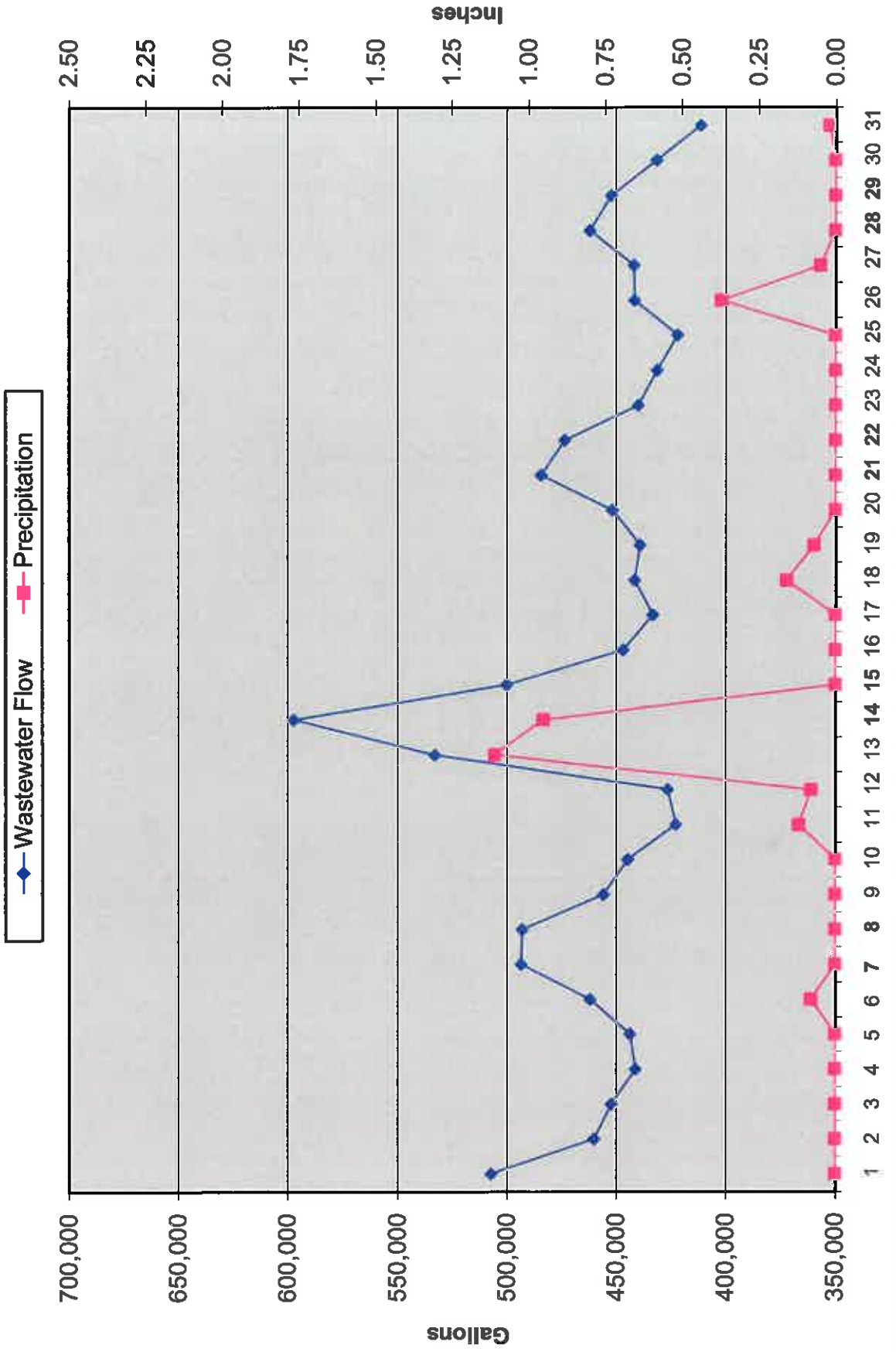
DNR Lake Level Goal – 927.86 feet
Average Lake Elevation – 927.89 feet

Lake Committee

The next meeting of the Lake Committee is scheduled for 7:00 P.M. on Wednesday, December 6, 2023 at the Town Hall.

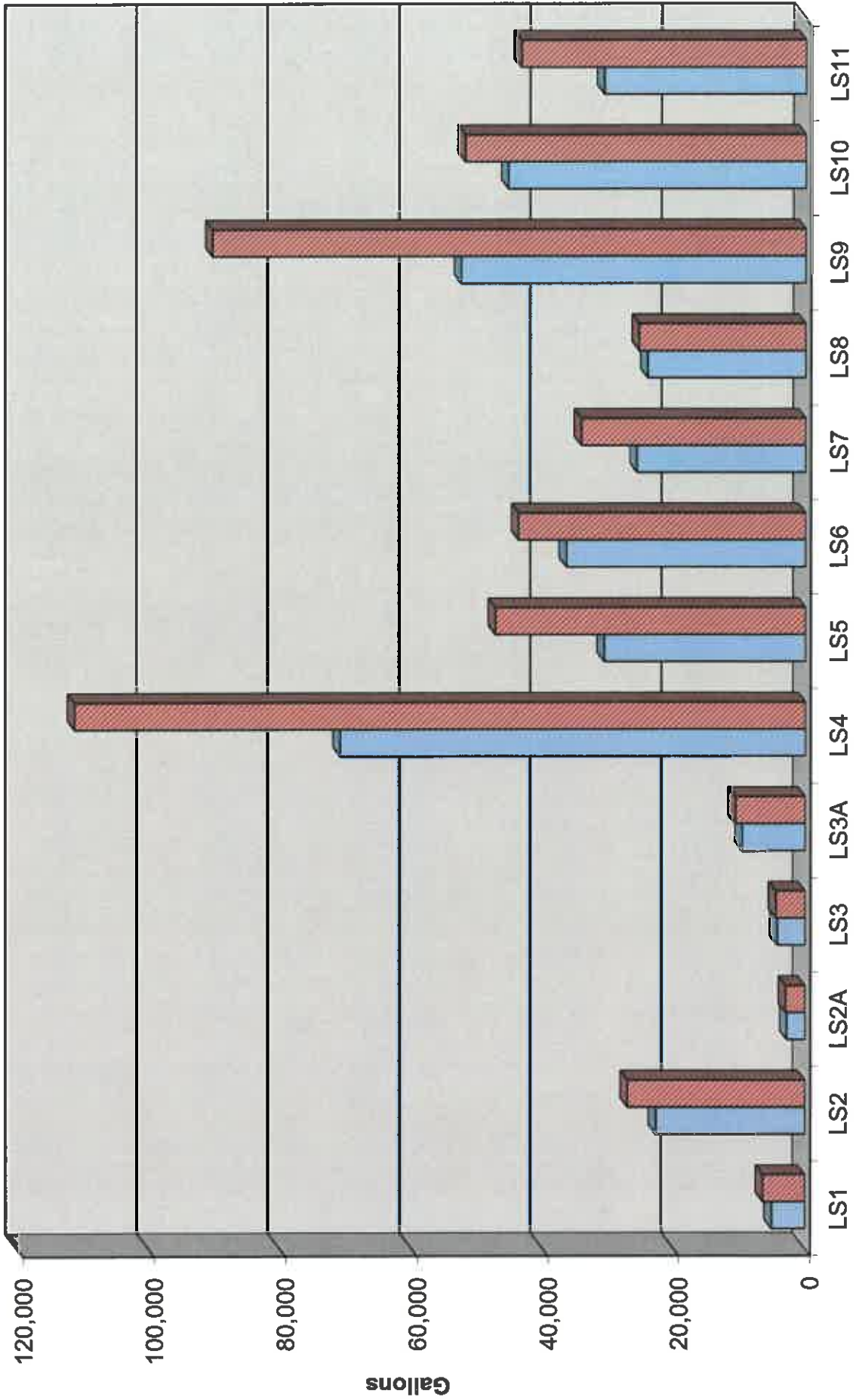
Attachments

Wastewater Flow/Precipitation - October, 2023

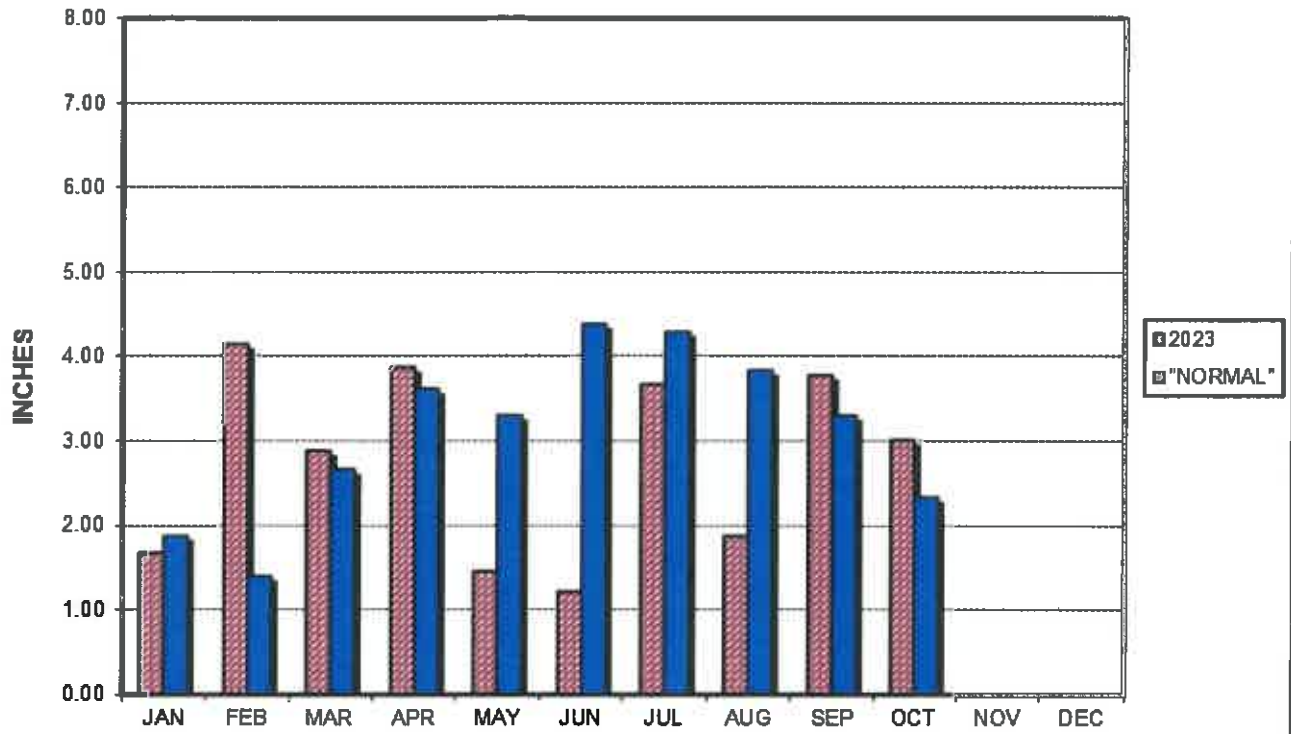


Average Daily Flow/Peak Flow by Area - October, 2023

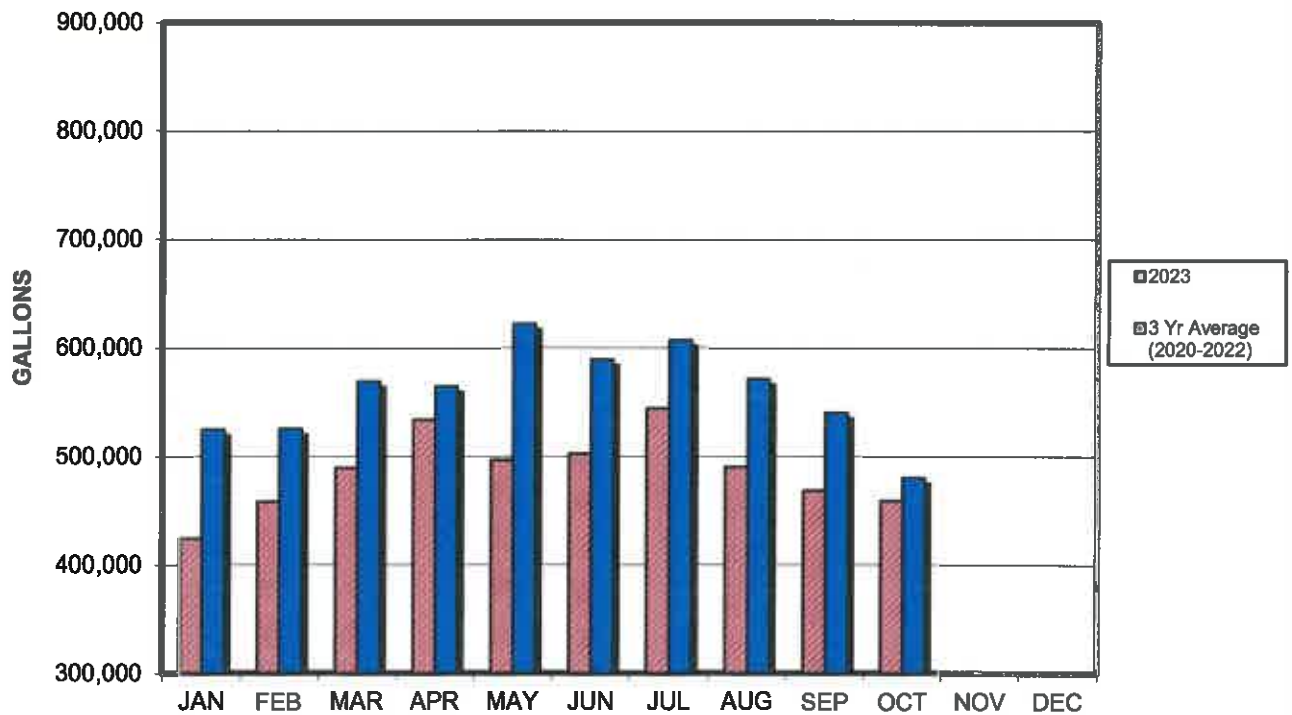
□ Average ■ Peak



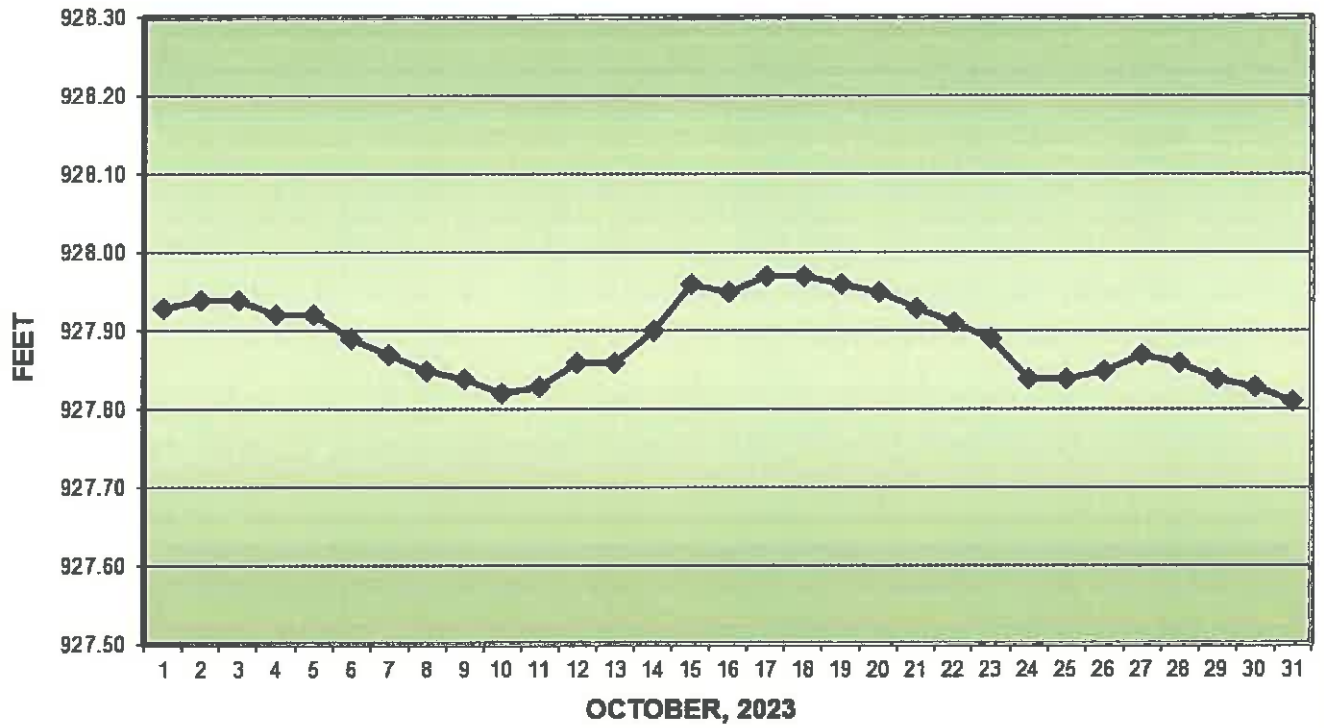
PRECIPITATION - DELAVAN LAKE, WI



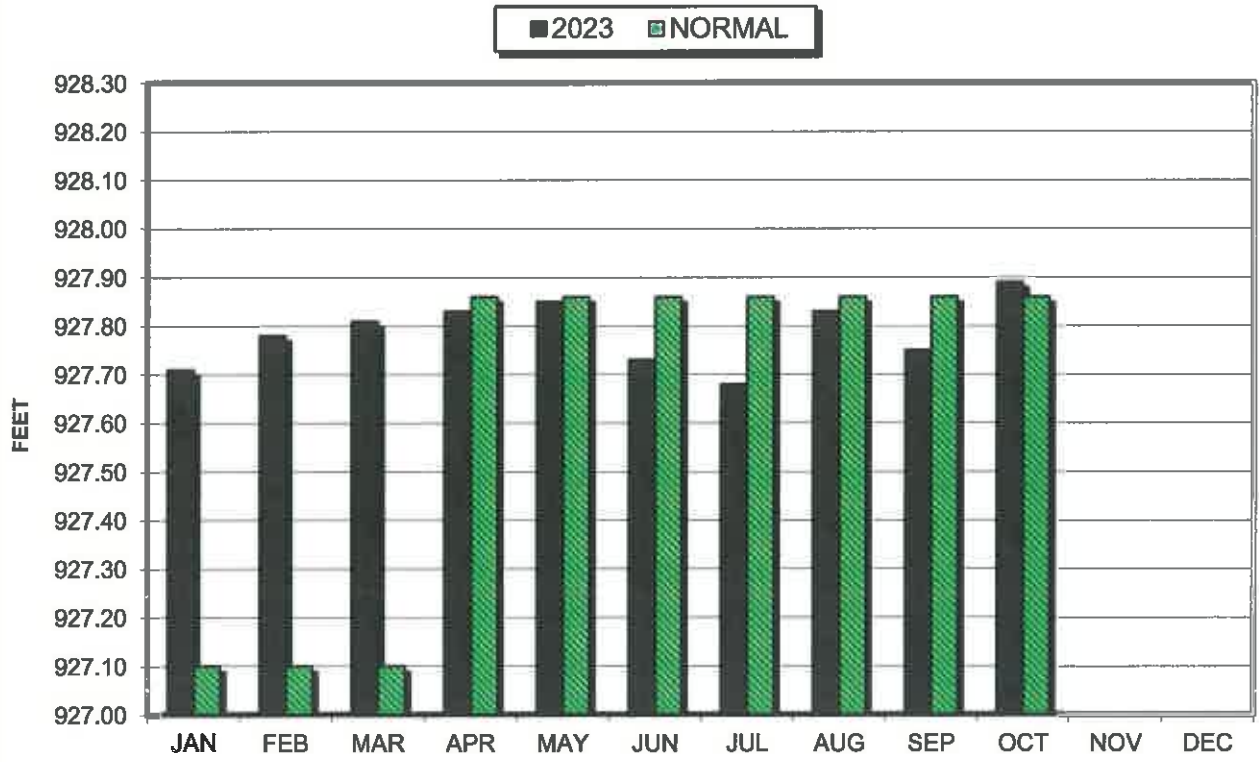
AVERAGE WASTEWATER FLOWS



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
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	-	-
MAY			88	30	59	1.52	6.66	67	927.87	18.3	32.0	547	547
JUN			95	46	71	2.58	9.24	76	927.84	10.1	19.5	2495	3042
JUL			92	52	72	2.87	12.11	78	927.89	10.2	14.0	1800	4842
AUG			93	51	72	3.96	16.07	77	927.78	9.0	12.0	1910	6752
SEP			89	45	67	1.33	17.40	66	927.53	7.8	11.0	595	7347
OCT			87	29	58	4.78	22.18	67	927.55	9.3	11.0	59	7406
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	-	-	-	-
APR			81	24	52	5.05	9.36	42	927.88	20.0	20.0	387	387
MAY			91	33	62	2.42	11.78	62	927.90	12.7	20.0	2184	2571
JUN			98	47	72	2.21	13.99	74	927.87	9.7	13.0	1431	4002
JUL			90	52	71	2.98	16.97	79	927.68	8.7	10.0	1585	5587
AUG			92	52	72	4.28	21.25	79	927.60	6.6	9.0	305	5892
SEP			85	35	60	7.51	28.76	59	927.85	6.7	7.0	39	5931
OCT			78	29	54	1.67	30.43	-	927.79	-	-	-	-
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		3/10/23	69	9	39	2.89	8.70	-	927.81	-	-	-	-
APR			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