

**DELAVAN LAKE SANITARY DISTRICT  
ADMINISTRATOR'S REPORT  
DECEMBER ACTIVITY 2021**

**ADMINISTRATION**

View Crest Sewer manhole repairs are finished. Site is being evaluated for pipeline leaks and possible grouting or lining of the system under the gravel reinforced base put down to carry truck loads.

Lake Harvesting operations are complete and equipment going thru major maintenance and winterizing.

New Vac truck arrived and getting put in operation.

Lift Station #4 second phase plans are submitted for final review by staff and cooperative agreement with Ravenswood in progress to make some changes to prevent station flooding issues.

Sewer crews doing preventative maintenance for winter to protect lift stations.

Negotiations with The City of Delavan in progress for Lift Station #11 serving Lake Lawn to determine if it can serve further development in that area.

WalCoMet is in a design stage to install a 24-inch force main and leave the shared force main owned by DLSD.

Large 21- and 24-inch sewer line on HWY O is being evaluated for lining or replacement due to exposed re-bar discovered by DLSD camera crew.

**SEWER SYSTEM OPERATIONS**

**Building Sewer Connections**

**New Connections for the Month - 1**

**Reconnections for the Month - 0**

**Disconnections for the Month - 0**

**Total Number of Structures Connected to Date - 3,112**

**Total ERU Count for the Month - 4,033**

**Operation and Maintenance**

**Average December Daily Wastewater Flow to WalCoMet - 434,657 gallons**

**Peak December Flow - 511,138 gallons**

**Diggers Requests Marked for the Month - 37**

**Emergency Call Outs - 7**

## **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 December, 2021*  
*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, 2021*  
*Lake Elevation comparison with “normal”*

## **Lake Monitoring/Lake Level**

**Precipitation Total for the Month – 1.81 inches**  
**Below Normal – .34 inches**  
**Ice Off Date – March 18, 2021**  
**Ice On Date – January 10, 2022**  
**Secchi Disc Reading Main Lake – 13.0 feet on 11/10/2021**

*See attached Lake Elevation Graph and Chart.*

## **Lake Information**

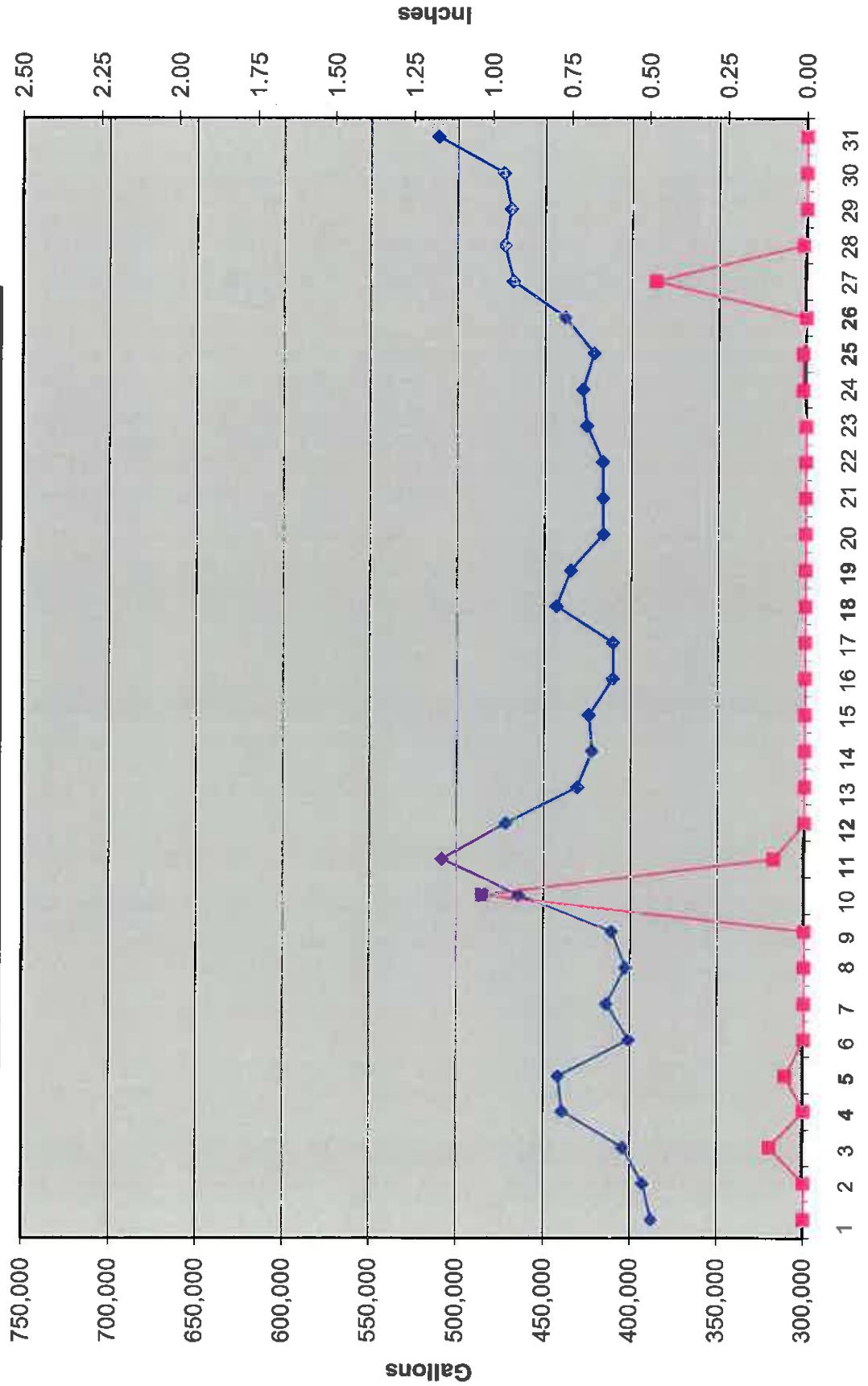
**DNR Lake Level Goal – 927.86 feet**  
**Average Lake Elevation – 927.61 feet**

## **Lake Committee**

The next meeting of the Lake Committee is scheduled for 7:00 P.M. on Wednesday, February 3, 2022 at the Town Hall.

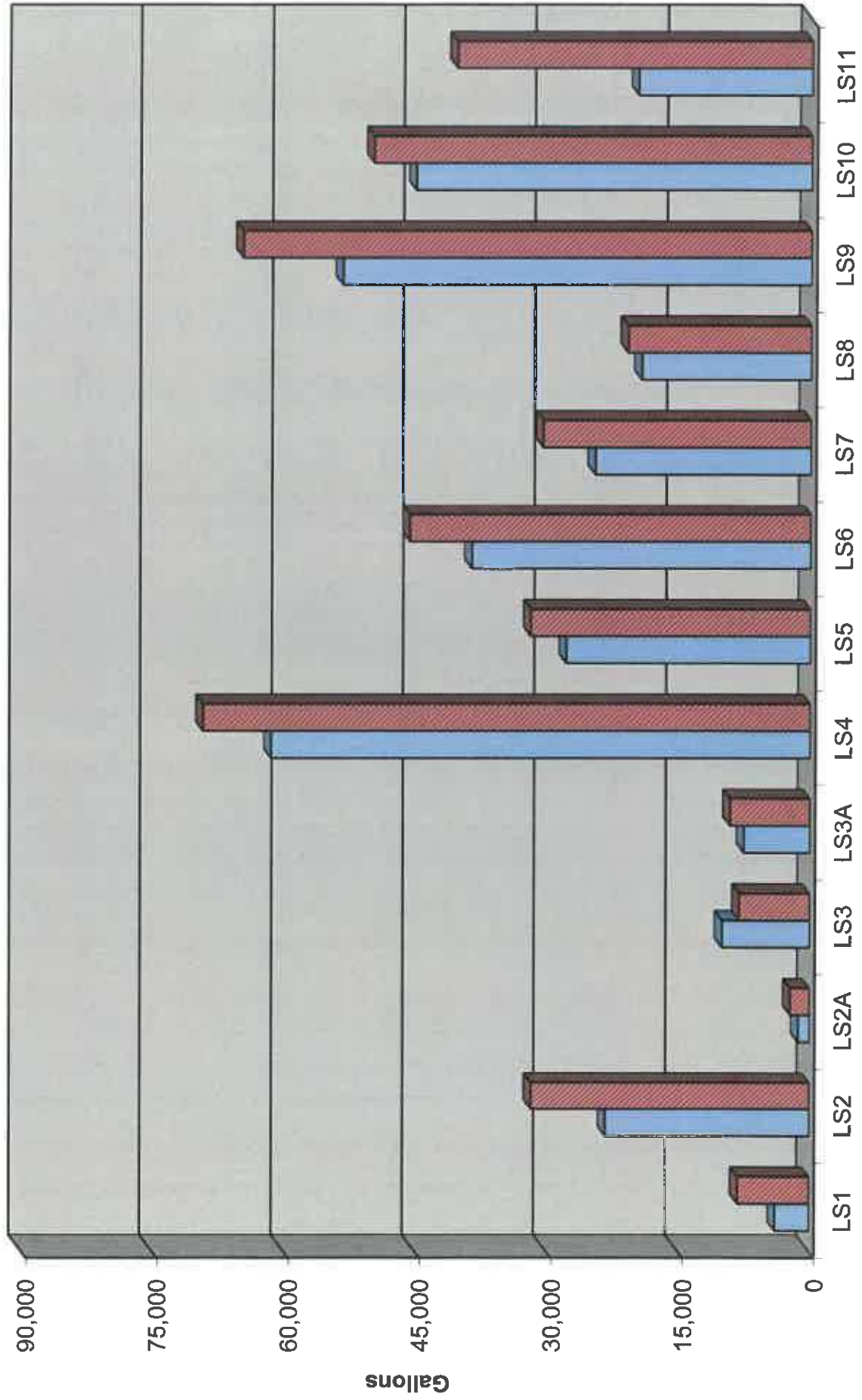
## **Attachments**

### Wastewater Flow/Precipitation - December, 2021

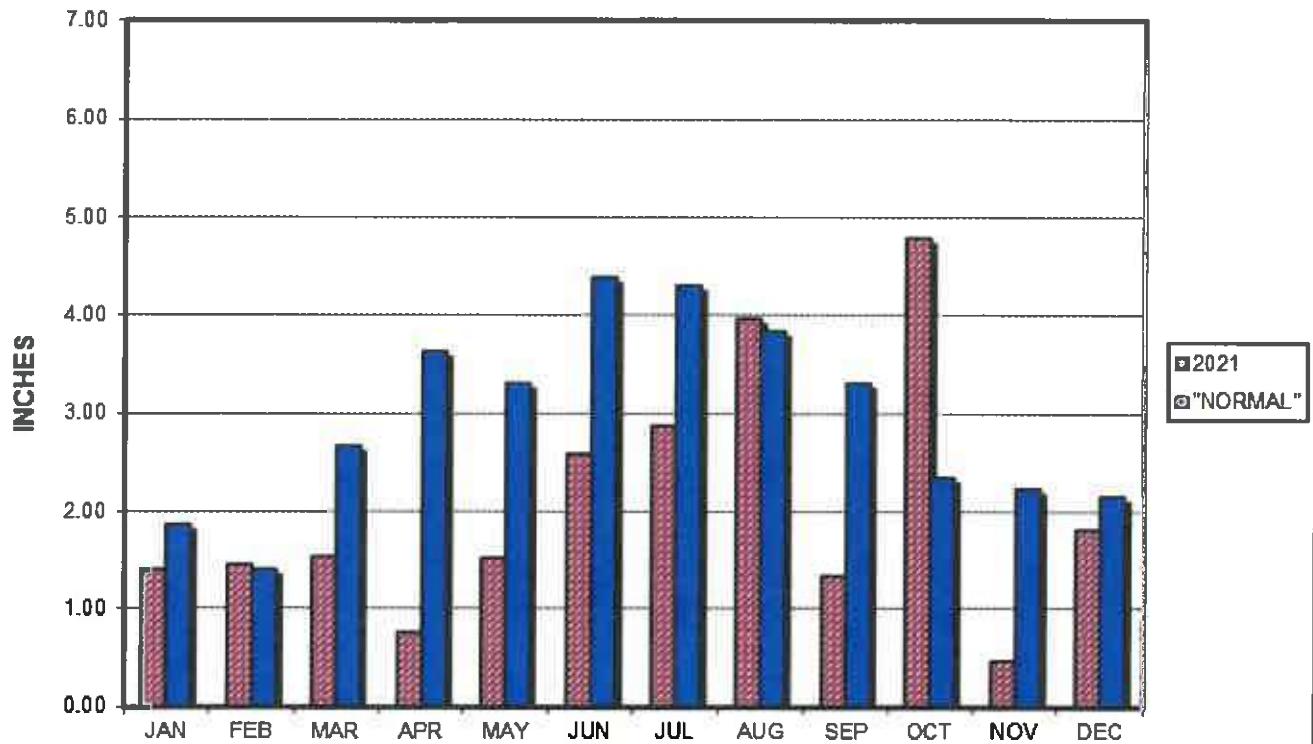


Average Daily Flow/Peak Flow by Area - December, 2021

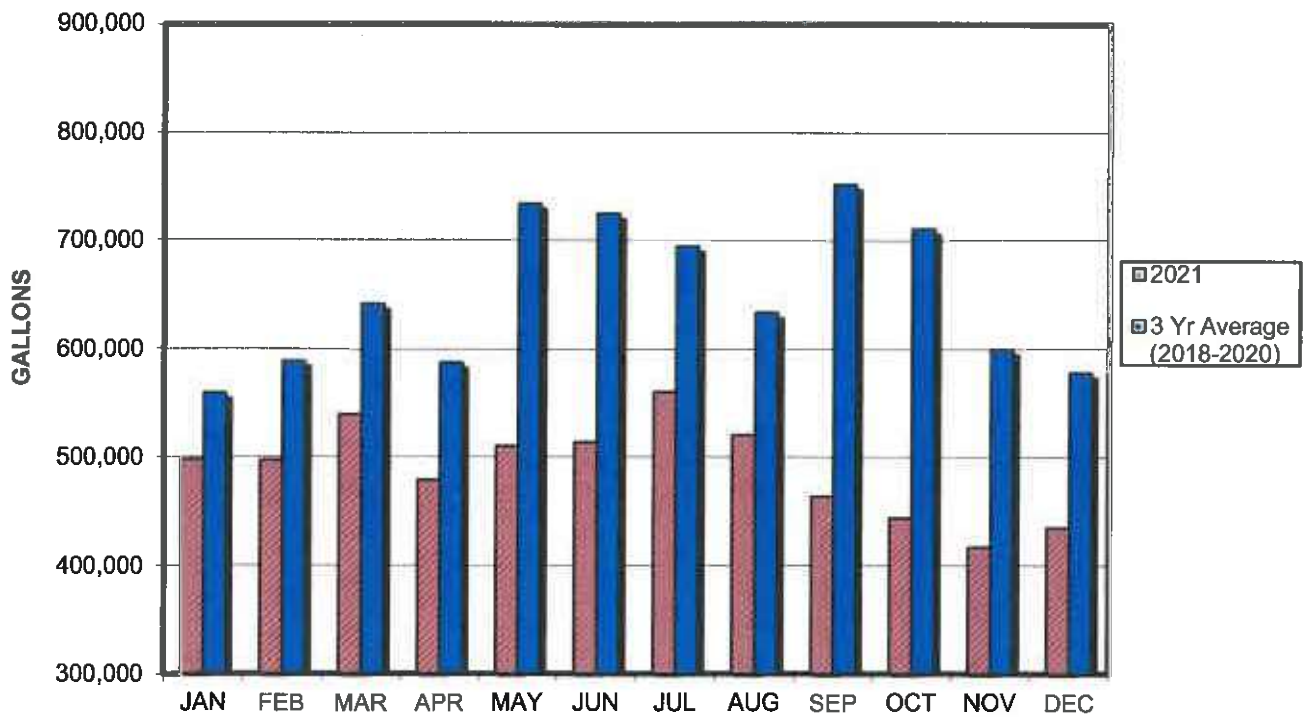
□ Average    ■ Peak



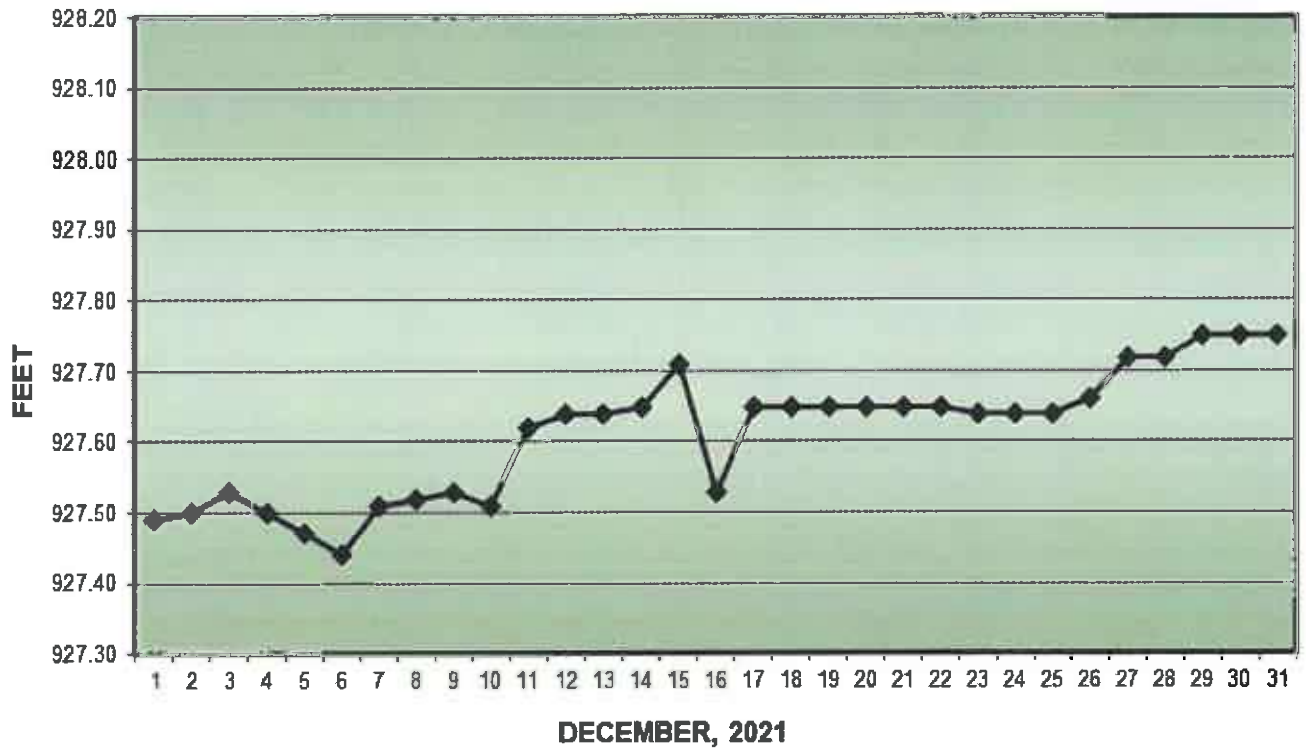
### PRECIPITATION - DELAVAN LAKE, WI



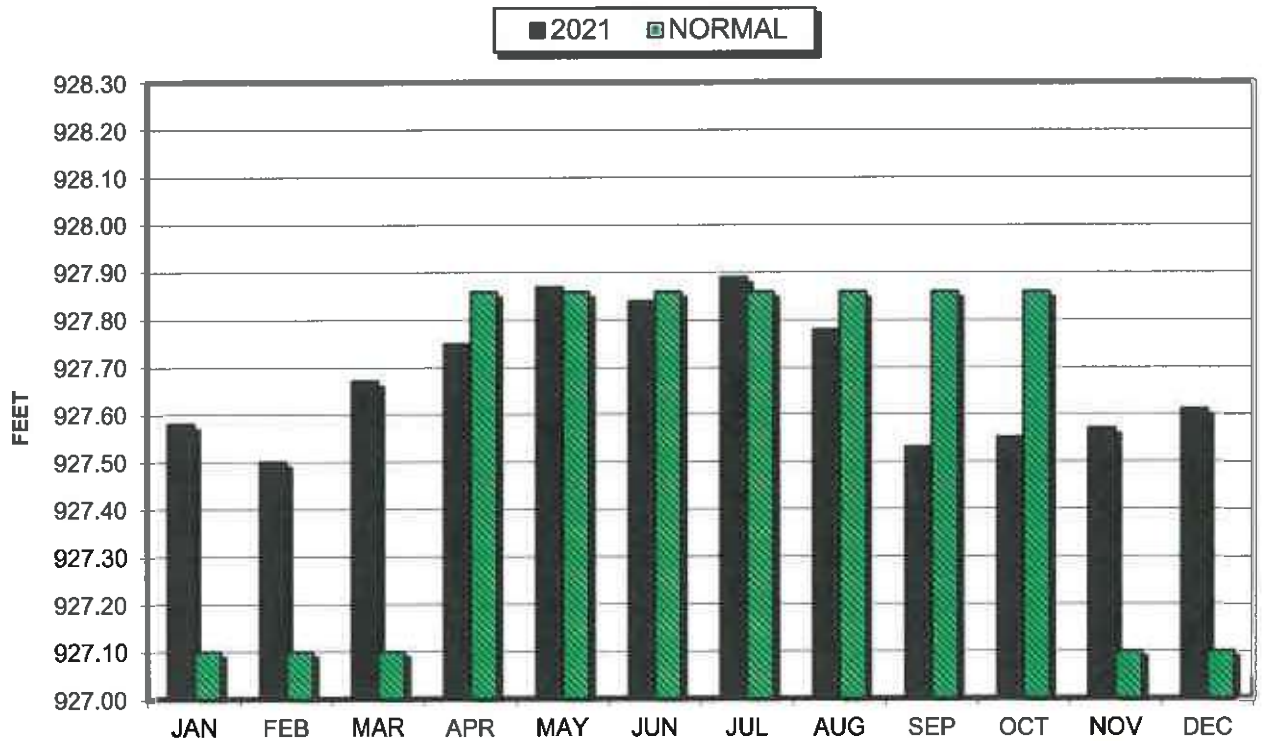
### AVERAGE WASTEWATER FLOWS



### 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	
			Max.	Min.	Month (In Inches)	Yr to Date (In Inches)			Average (In Feet)	Maximum (In Feet)	Month	Harvested YTD
<b>2019</b>												
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	927.86	11.0	11.5	-	-
MAY			80	34	57	7.29	17.10	927.82	23.8	26.0	112	112
JUN			92	46	69	5.05	22.15	927.85	15.3	20.0	695	807
JUL			92	54	73	3.68	25.83	927.85	9.0	12.5	1310	2117
AUG			87	51	69	4.89	30.72	927.86	7.3	8.5	1283	3400
SEP			85	48	67	9.26	39.98	927.98	5.8	8.0	359	3759
OCT			76	23	50	5.66	45.64	927.95	6.3	8.0	86	3845
NOV			53	5	24	1.62	47.26	927.63	-	-	-	-
DEC			55	6	25	2.35	49.61	927.58	-	-	-	-
<b>2020</b>												
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	927.72	10.0	12.0	202	202
MAY			88	28	58	3.60	13.35	927.88	16.4	25.0	1423	1625
JUN			93	47	70	3.63	16.98	927.85	8.2	17.0	1395	3020
JUL			94	57	76	3.97	20.95	927.87	9.6	13.0	714	3734
AUG			88	38	50	5.38	26.33	927.90	7.9	9.8	169	3903
SEP			82	34	58	3.65	29.98	927.87	8.3	12.0	-	-
OCT			82	26	56	2.90	32.88	927.85	6.3	7.0	-	-
NOV			75	22	53	1.92	34.80	927.77	14.7	17	-	-
DEC			56	5	31	1.91	36.71	927.74	-	-	-	-
<b>2021</b>												
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	927.75	8.7	9	547	547
MAY			88	30	59	1.52	6.66	927.87	18.3	32.0	2495	3042
JUN			95	46	71	2.58	9.24	927.84	10.1	19.5	1800	4842
JUL			92	52	72	2.87	12.11	927.89	10.2	14.0	1910	6752
AUG			93	51	72	3.96	16.07	927.78	9.0	12.0	595	7347
SEP			89	45	67	1.33	17.40	927.53	7.8	11.0	59	7406
OCT			87	29	58	4.78	22.18	927.55	9.3	11.0	-	-
NOV			66	15	41	0.46	22.64	927.57	9.7	13	-	-
DEC			64	7	35	1.81	24.45	927.61	-	-	-	-