

**DEHAVAN LAKE SANITARY DISTRICT  
ADMINISTRATOR'S REPORT  
MAY ACTIVITY 2017**

**ADMINISTRATION**

Grant application awarded for 2 Healthy-Lakes projects.

Lift Station #2 piping rehab and Lift Station #9 driveway bids were approved. Gilbank will rehab Lift Station #2 and Wolf Construction will resurface Administration parking lot and Lift Station #9. Porous pavers will be utilized to improve storm water management and protect the lake.

Lift Station #5 generator replacement is completed.

UW Whitewater senior project to study soils in Brown's Channel was completed and a presentation of their findings will be in done in May.

SEWRPC completed wetland delineation on Brown's channel and DLSD will have it surveyed and submitted to the County and Baxter & Woodman as we move forward with a stream bank and lake protection plan for that area.

Chemical treatment permit and Harvesting permit applications were approved with a lot of restrictions to chemical treatment.

**SEWER SYSTEM OPERATIONS**

**Building Sewer Connections**

**New Connections for the Month - 1**

**Reconnections for the Month - 1**

**Disconnections for the Month - 3**

**Total Number of Structures Connected to Date - 3,095**

**Total ERU Count for the Month - 4,008**

**Operation and Maintenance**

**Average May Daily Wastewater Flow to WalCoMet - 538,218 gallons**

**Peak May Flow - 767,206 gallons**

**Diggers Requests Marked for the Month - 122**

**Emergency Call Outs - 3**

The following charts are attached: *Wastewater Flow comparison with Precipitation for May, 2017*  
*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 2017*  
*Lake Elevation comparison with "normal"*

## **Lake Monitoring/Lake Level**

**Precipitation Total for the Month – 4.03 inches**

**Above Normal – .73 inches**

**Ice Off Date – February 24, 2017**

**Secchi Disc Reading Main Lake – 22 feet on 5/11/17**

*See attached Lake Elevation Graph and Chart.*

## **Lake Information**

**DNR Lake Level Goal – 927.86 feet**

**Average Lake Elevation – 927.87 feet**

**Number of Dam Inspections – 31**

*See attached Gate Setting Chart.*

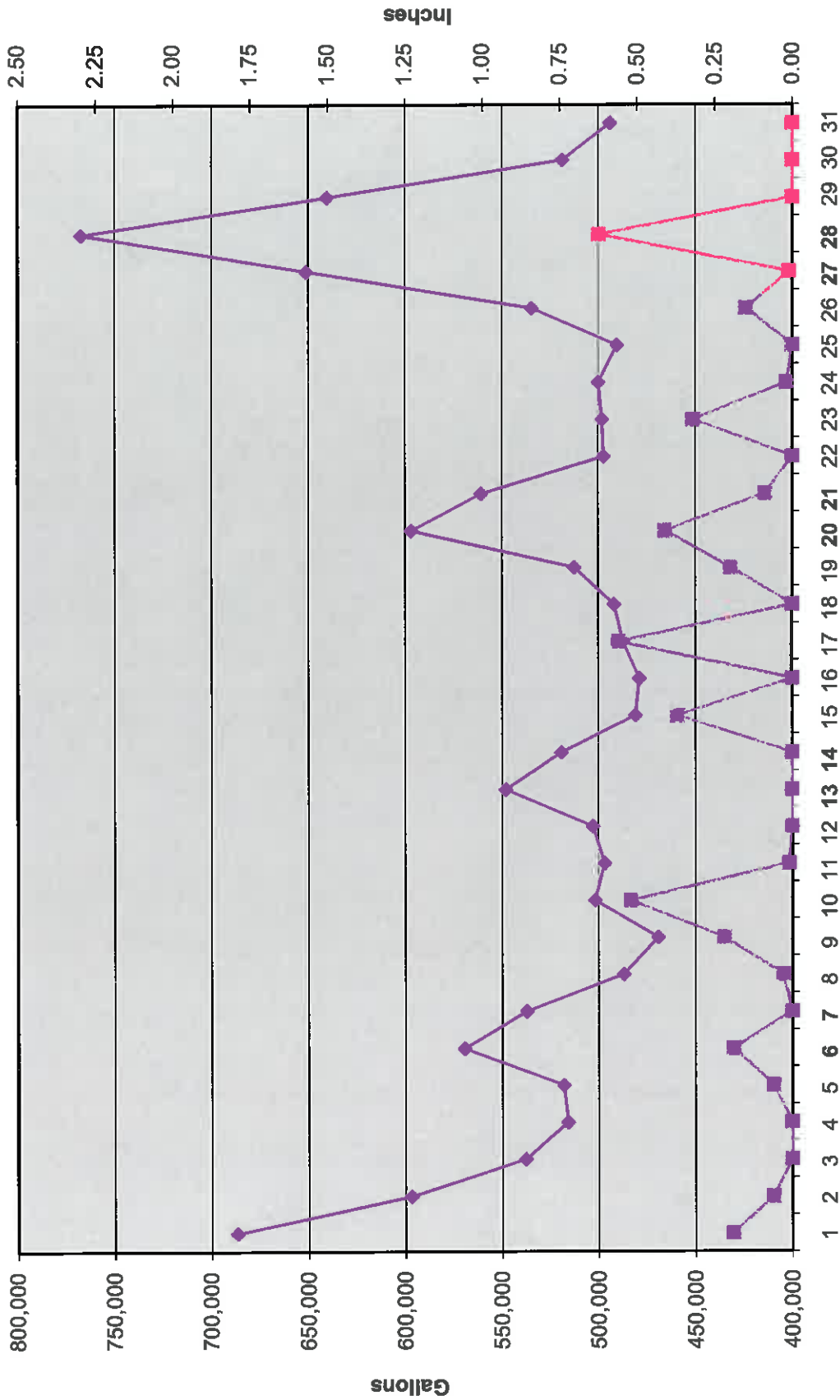
## **Lake Committee**

The next meeting of the Lake Committee is scheduled for 7:00 P.M. on Wednesday, July 5th, 2017 at the Town Hall.

Attachments

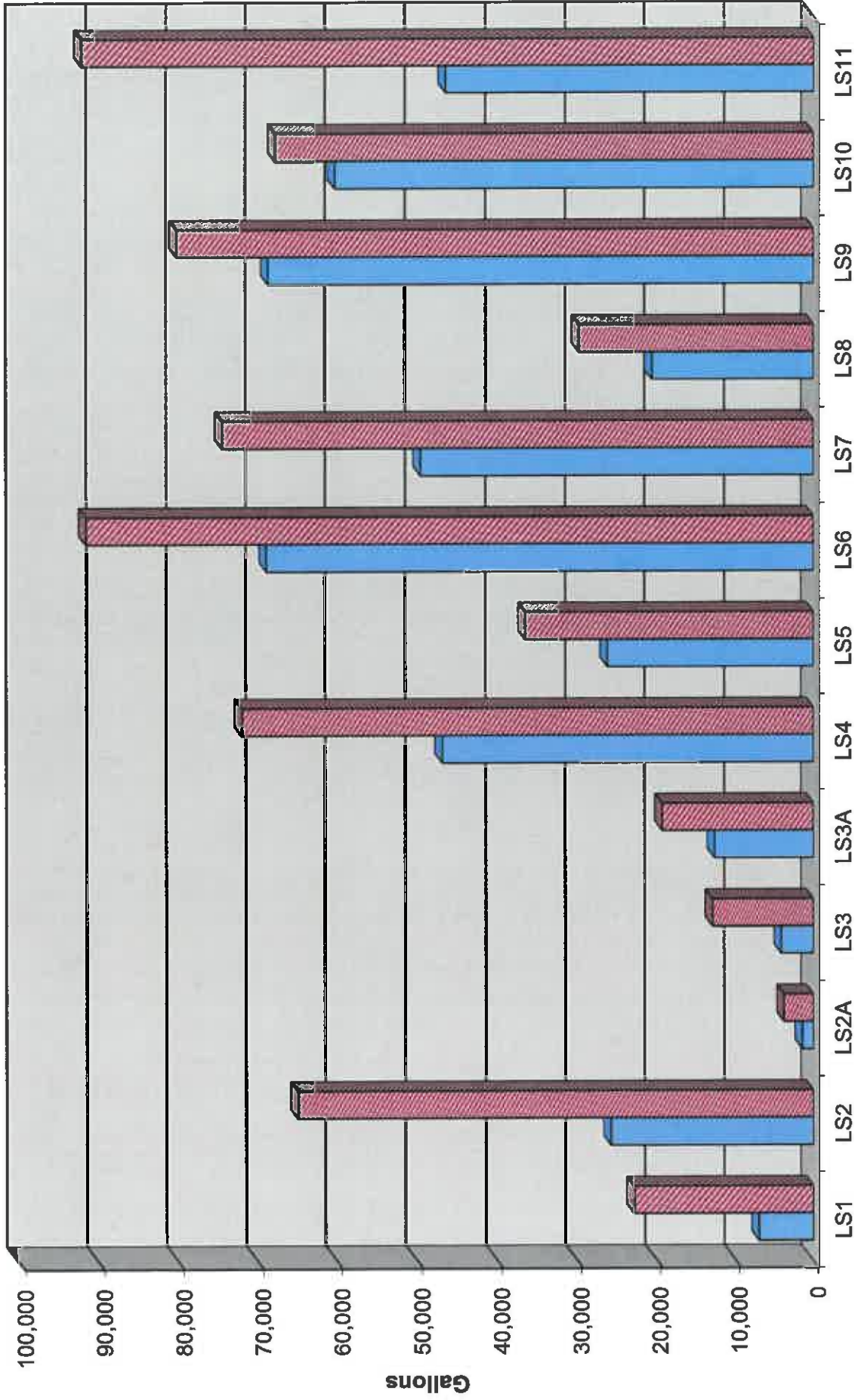
Wastewater Flow/Precipitation - May, 2017

◆ Wastewater Flow    ■ Precipitation

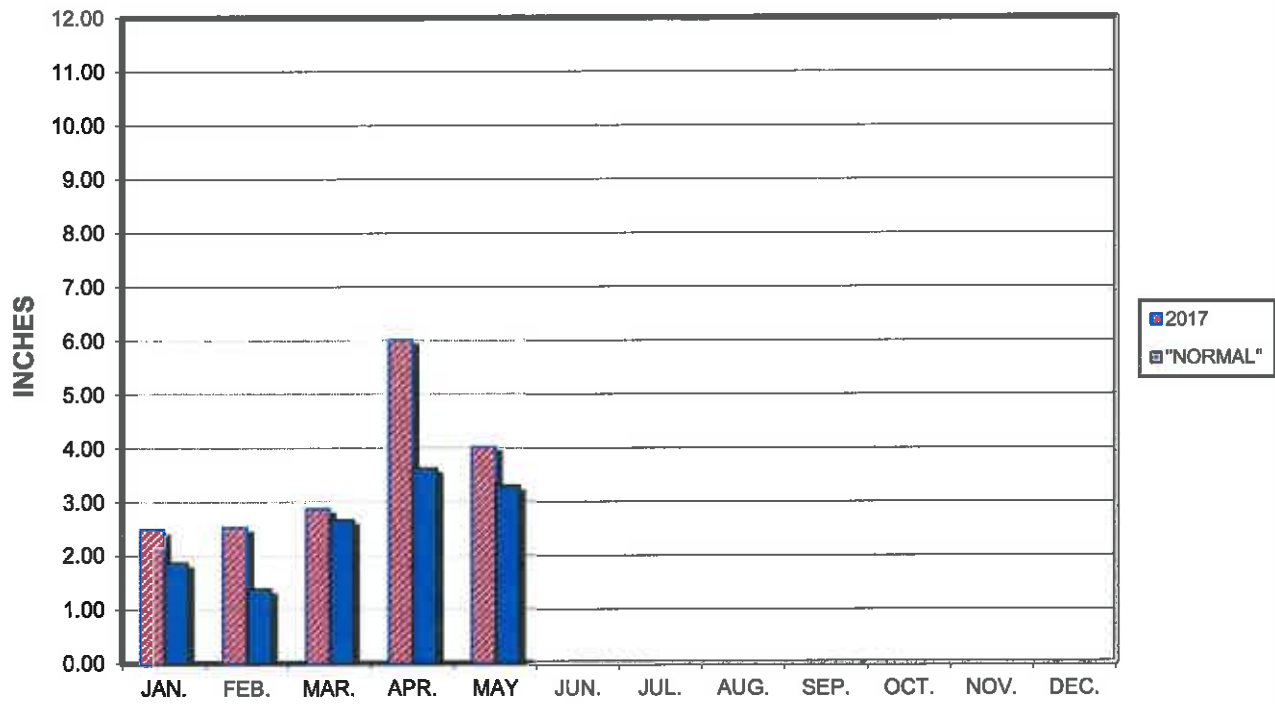


Average Daily Flow/Peak Flow by Area-May, 2017

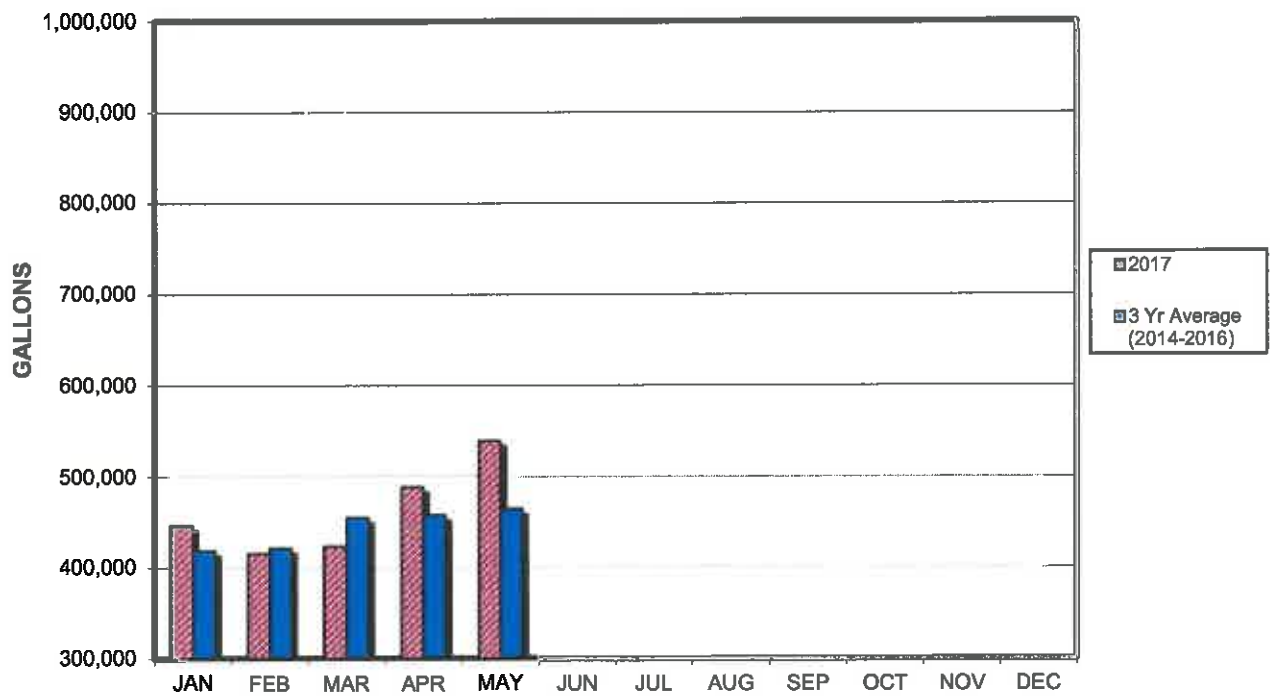
■ Average ■ Peak



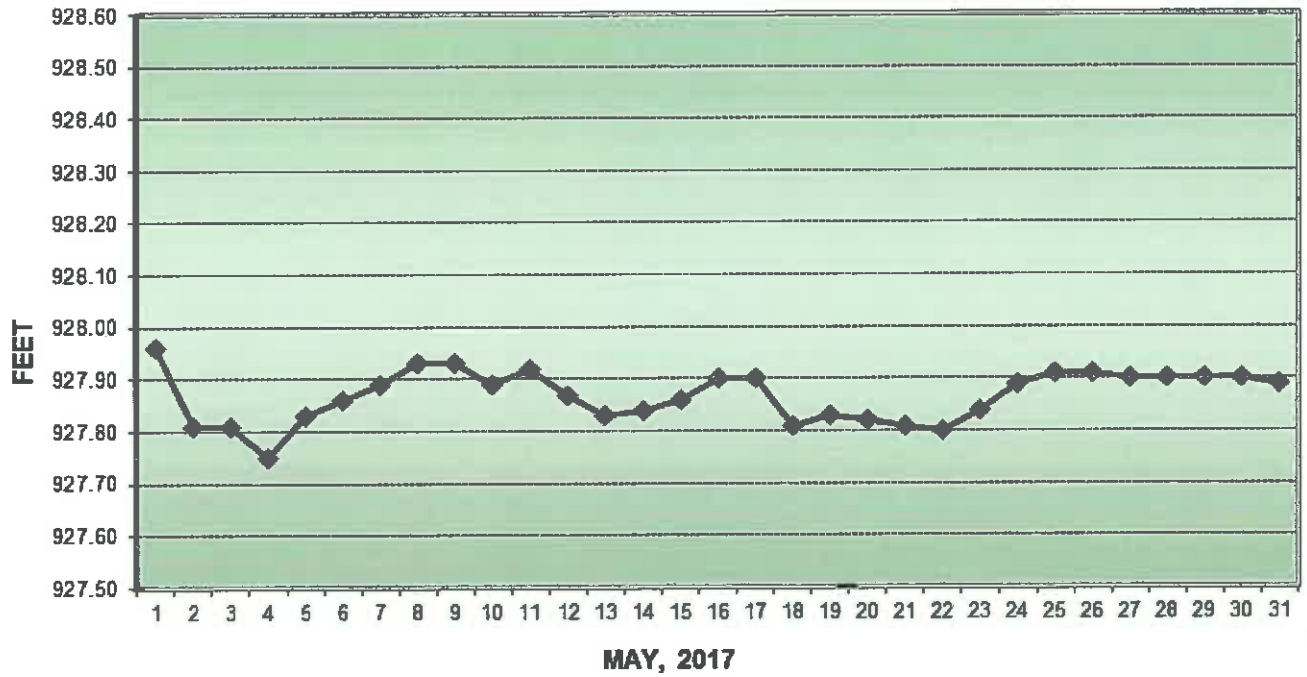
## PRECIPITATION - DELAVAN LAKE, WI



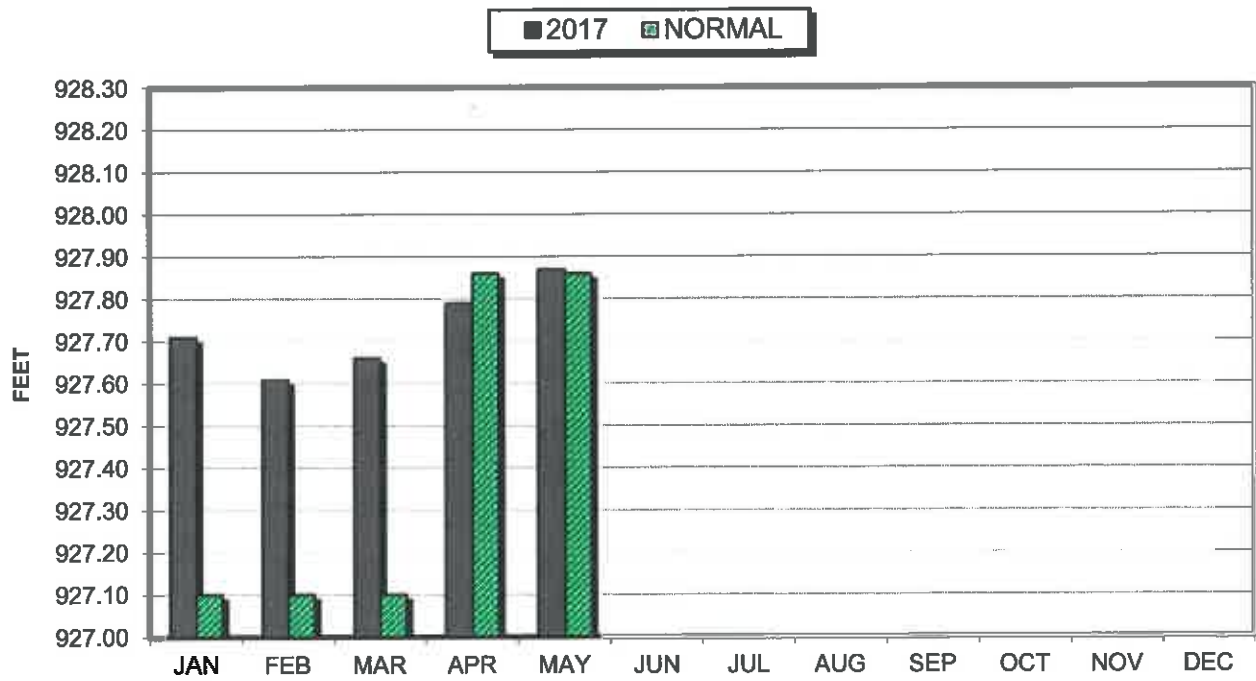
## AVERAGE WASTEWATER FLOWS



### 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.	Month (in inches)	Yr to Date (in inches)			Average (In Feet)	Maximum (In Feet)	Month	YTD
<b>2015</b>												
JAN	1/2/15		40	-10	0.26	0.26	-	927.71	-	-	-	-
FEB			39	-13	0.71	0.97	-	927.73	-	-	-	-
MAR			71	-14	0.90	1.87	-	927.76	-	-	-	-
APR		4/2/15	78	26	2.61	4.48	41	927.85	4.2	4.0	-	-
MAY			82	32	4.96	9.44	55	927.87	18.0	35.0	367	367
JUN			88	40	6.26	15.70	66	927.89	16.5	35.0	1417	1784
JUL			88	47	3.06	18.76	74	927.86	9.9	15.0	1493	3277
AUG			90	48	4.43	23.19	74	927.75	8.3	9.0	1058	4335
SEP			89	42	6.18	29.37	-	927.93	-	-	328	4663
OCT			79	28	1.62	30.99	57	927.74	9.7	13.0	228	4891
NOV			73	4	5.17	36.16	-	927.84	-	-	-	-
DEC			60	13	5.21	41.37	-	927.81	-	-	-	-
<b>2016</b>												
JAN	1/11/16		42	-6	0.99	0.99	-	927.73	-	-	-	-
FEB			59	0	0.63	1.62	-	927.82	-	-	-	-
MAR		3/9/16	68	1	4.10	5.72	42	927.74	18.7	23.0	-	-
APR			82	21	1.61	7.33	44	927.91	16.3	23.0	-	-
MAY			87	32	3.33	10.66	56	927.85	17.7	24.0	212	212
JUN			91	48	3.42	14.08	72	927.86	13.4	24.0	861	1073
JUL			92	50	3.03	17.11	77	927.86	8.0	12.0	608	1681
AUG			90	51	3.93	21.04	79	927.88	8.7	11.0	925	2606
SEP			91	48	2.78	23.82	74	927.86	12.0	13.0	395	3001
OCT			81	32	3.07	26.89	64	927.81	6.8	7.5	277	3278
NOV			75	18	3.26	30.15	57	927.80	13.7	14.0	-	-
DEC	12/18/16		47	-14	1.90	32.05	-	927.76	-	-	-	-
<b>2017</b>												
JAN			54	-2	2.49	2.49	-	927.71	-	-	-	-
FEB		2/24/17	68	10	2.53	5.02	-	927.61	-	-	-	-
MAR			75	11	2.88	7.90	-	927.66	-	-	-	-
APR			81	30	6.01	13.91	49	927.79	30.0	30.0	-	-
MAY			86	32	4.03	17.94	54	927.87	19.7	26.0	296	296