DELAVAN LAKE SANITARY DISTRICT ADMINISTRATOR'S REPORT NOVEMBER ACTIVITY 2017

ADMINISTRATION

Brown's channel implementation plan is completed and all costs and plan details are submitted to the DNR. For final approval and reimbursement the DNR will require the stream bank erosion addressed in 2018.

2018 Budget is set. ERU rate is increased to \$38 to offset anticipated costs in sewage treatment costs and to continue efforts to refurbish or replace aging infrastructure. The budget was also adjusted to compensate for the 4th harvester seasonal crews needed to operate.

Crews have been busy sewer cleaning along with televising as problems are discovered. Property owners with illegal connections or lateral leaks and failures will be properly notified as they are discovered. Sewer main lining will be scheduled for December for a failing section of sewer pipe around Tilden Lane.

Lift Station #2 project is starting up the first part of December. It is anticipated that the station will need to be bypassed for up to 6 weeks while piping and wet well work is going on.

Laser flow metering in the DLSD interceptor sewer located in the wetlands will be put in place to assist staff with monitoring for infiltration and also verification of flows heading into WalCoMet's Sewer system sometime in early 2018.

Harvesters are beginning their breakdown for repairs and maintenance throughout the winter months.

Harvester number 4 has been ordered with anticipated delivery in 2018.

DLSD is researching additional equipment to assist with skimming algae, floating weed mats, duck weed and possibly help with maintenance sediment removal.

The Shores of Delavan Subdivision proposed sewer installation is in for review and looks like a promising project for 2018 and 2019.

SEWER SYSTEM OPERATIONS

Building Sewer Connections

New Connections for the Month - 1
Reconnections for the Month - 0
Disconnections for the Month - 1
Total Number of Structures Connected to Date - 3,097
Total ERU Count for the Month - 4,009

Operation and Maintenance

Average November Daily Wastewater Flow to WalCoMet – 464,696 gallons Peak November Flow – 535,768 gallons Diggers Requests Marked for the Month – 66 Emergency Call Outs – 1

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

Lake Monitoring/Lake Level

Precipitation Total for the Month – 1.42 inches Below Normal – .82 inches Ice Off Date – February 24, 2017 Secchi Disc Reading Main Lake – 7' 5" feet on 11/16/17

See attached Lake Elevation Graph and Chart.

Lake Information

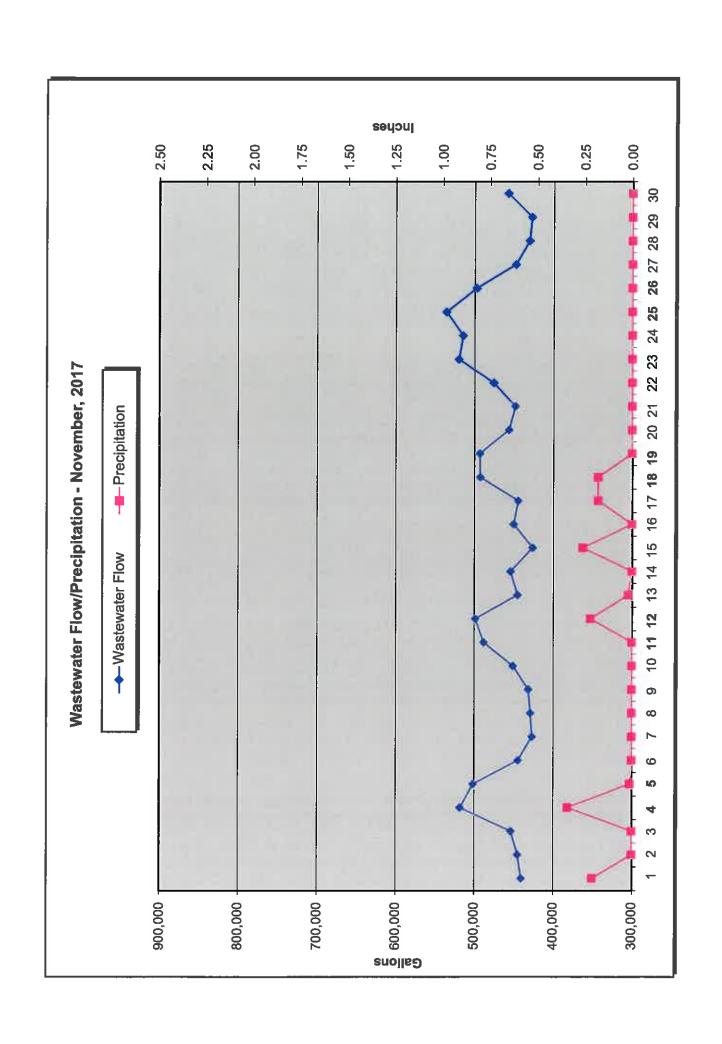
DNR Lake Level Goal – 927.86 feet Average Lake Elevation – 927.58 feet Number of Dam Inspections – 30

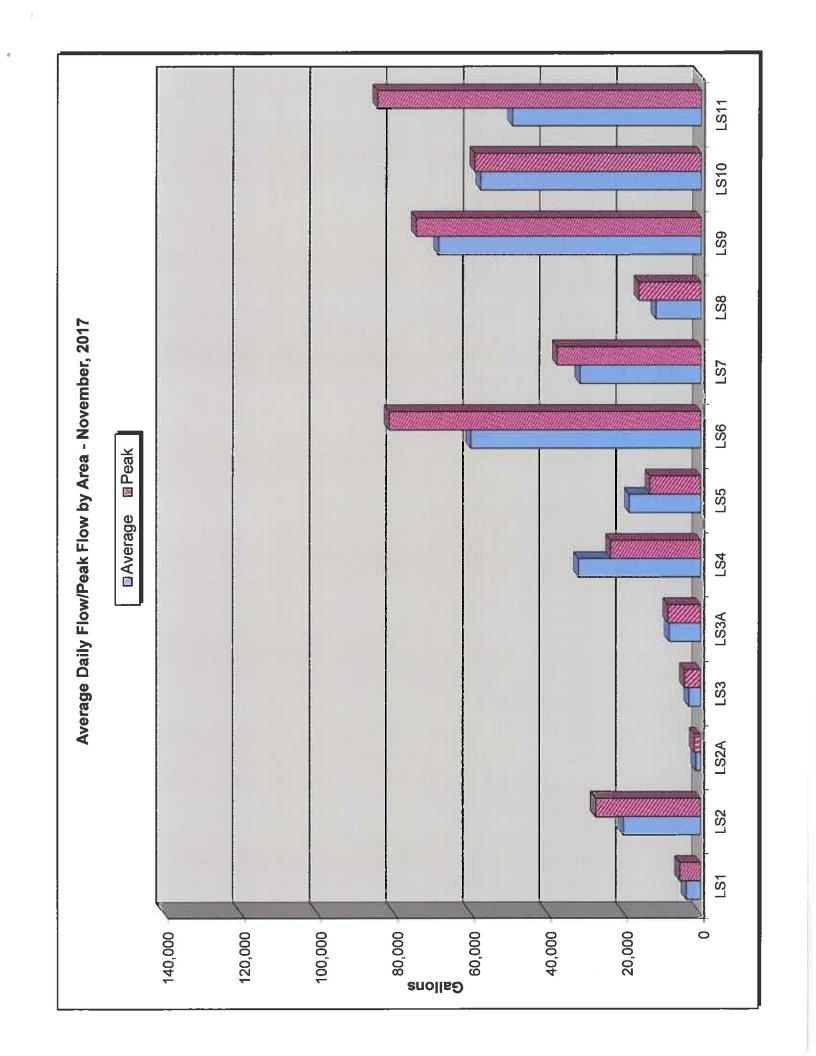
See attached Gate Setting Chart.

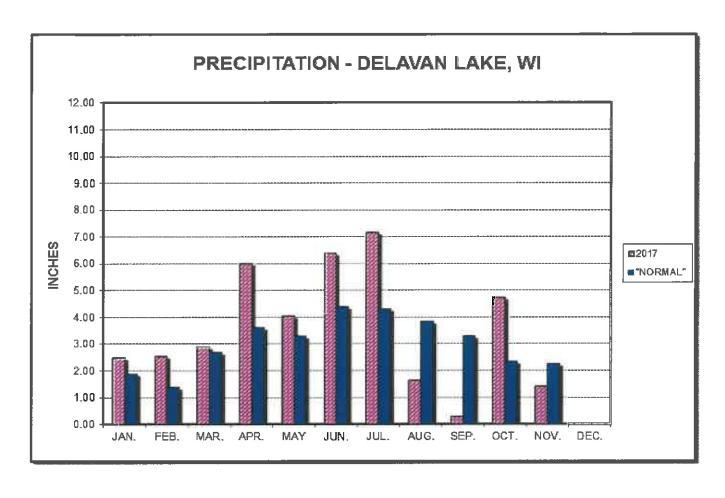
Lake Committee

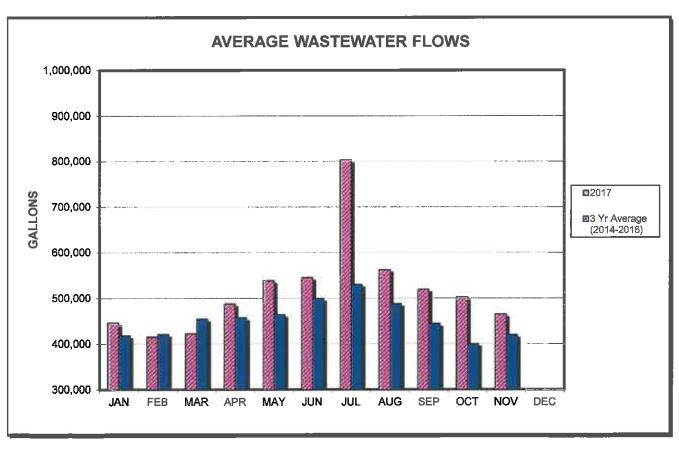
The next meeting of the Lake Committee is scheduled for 7:00 P.M. on Wednesday, January 3rd, 2017 at the Town Hall.

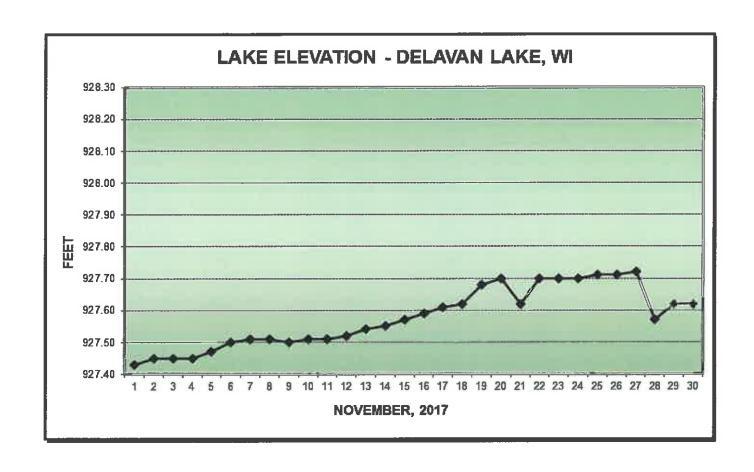
Attachments

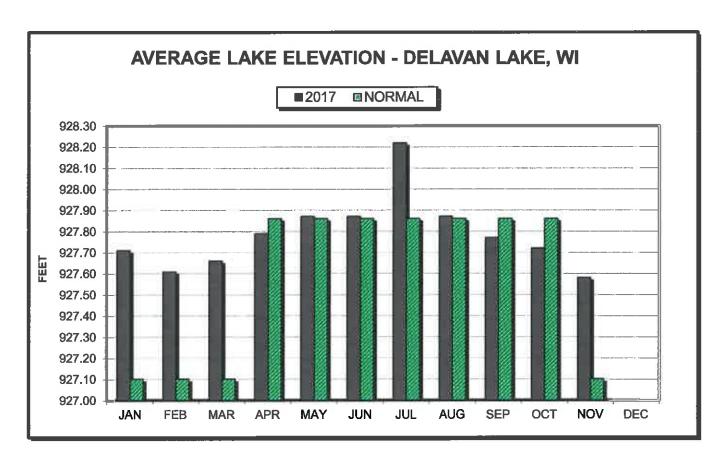












DELAVAN LAKE, WISCONSIN

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Average	Lake	Elevation		927.71	927.73	927.76	927.85	927.87	927.89	927.86	927.75	927.93	927.74	927.84	927.81	927.73	927.82	927.74	927.91	927.85	927.86	927.86	927.88	927.86	927.81	927.80	927.76	927 71	927 61	927 66	927 79	927.87	927.87	928.22	927.87	927.77	927.72	927.58
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Precipitation	Month	(In Inches)	(0.26	0.71	06.0	2.61	4.96	6.26	3.06	4.43	6.18	1.62	5.17	5.21	66.0	0.63	4.10	1.61	3.33	3.42	3.03	3.93	2.78	3.07	3.26	1.90	2.49	2 53	288	6.01	4.03	6.39	7.18	1.64	0.27	4.73	1.42
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		Month	2015	NAN	FEB	MAR	APR	MAY	NOS	JUL	AUG	SEP	OCT	NOV	DEC	2016 JAN	FEB	MAR	APR	MAY	NOS	JUL	AUG	SEP	OCT	NOV	DEC	2017 JAN	FFB	MAR	APR	MAY	NOC	JUL	AUG	SEP	OCT	NOV DEC