

**TOWN OF JAMESTOWN
TOWN COUNCIL MEETING
for
TOWN, WATER AND SEWER MATTERS**

Tuesday, January 22, 2019

A regular meeting of the Jamestown Town Council sitting as the Board of Water and Sewer Commissioners was called to order at the Jamestown Town Hall, Council Chambers, 93 Narragansett Avenue at 6:30 PM by Commission President Michael G. White.

The following members were present:

Mary E. Meagher, Vice-President
Nancy A. Beye
William J. Piva, Jr.
Randall White

Also present were:

Andrew Nota, Town Administrator
Wyatt Brochu Esq., Town Solicitor
Michael Gray PE, Public Works Director
Christina D. Collins, Finance Director
Cheryl Fernstrom, Town Clerk
Andy Wade, Parks and Recreation Director
Denise Jennings, Water and Sewer Clerk

AWARDS, PRESENTATIONS AND ACKNOWLEDGMENTS

(None)

READING AND APPROVAL OF MINUTES

1) 12/17/18 (regular meeting)

Motion was made by Commissioner Meagher, seconded by Commissioner Piva to accept the 12/17/18 regular meeting minutes. Motion so voted, 4 in favor; Commission President White abstained. Commission President White was absent from said meeting.

OPEN FORUM

Commission President White noted that this open forum would be for water and sewer matters only.

1) Scheduled requests to address:

(No scheduled requests)

2) Non-scheduled request to address:

(No non-scheduled requests)

REPORT OF TOWN OFFICIALS

1) **Pumping Report:**

The Public Works Director reported the following:

- Pumping was down slightly for the month of December.
- JR-1 was turned off for the winter to protect the equipment and to keep the pipes from freezing.
- Rainfall was down for the month of December and compared to previous months.
- Transfer pumping has been disconnected for the winter to protect the equipment and to keep the pipes from freezing.
- North Reservoir is @ capacity, usable storage-60MG
- South Pond is @ capacity, usable storage-6MG

2) **Town project reports: (See attached Project Update Report dated January 2019)**

Treatment Plant

The Public Works Director reported that the water department is responsible for monitoring water from the distribution system once every quarter for disinfection byproducts that include TTHMs and HAAs and that the Town is below the levels set by the EPA.

Transfer Pumping/Reservoir

The Public Works Director reported the following:

- The Town has completed their second round of E. Coli monitoring at the reservoir.
- The Town is now required by the RIDOH to collect a sample from the reservoir every two weeks to be analyzed for E. Coli. Our annual average is above 10, which is due to an error at the lab.
- He is hoping that the RIDOH will recognize that the average is above 10 and is due to this error.
- Budget costs for this line item will be going up and will be due to the biweekly testing.
- He will be submitting a report to the RIDOH summarizing the analytical results. Based upon these results the RIDOH may require cryptosporidium monitoring for the next 12 months.

Wastewater Treatment Plant

The Public Works Director reported that the RIDEM Office of Water Resources completed their annual compliance evaluation of the Wastewater Treatment Facility in December and that he is currently working on a plan to address their concerns, specifically requiring a more robust program to remove Inflow and Infiltration from the collection system (*See the attached Project Update Report dated January 2019 for more detail regarding this matter*) and also a requirement to add more staffing within the Wastewater Department. The Public Works Director further reported that he will be responding to the RIDEM Office of Water Resources regarding this inspection and their requests.

Raymond Dunlevy of 25 Bay Street stated that he walks regularly and he expressed his concerns regarding sump pumps drainage onto the sidewalks and into the street and that this a major concern, especially this time of year with freezing/ice.

Commission President White suggested that there be some sort of educational program regarding sump pumps or that the Jamestown Press could place something in the newspaper to get the word out to customers regarding this matter.

Following clarification on a few items, it was the consensus of the Commission to accept the Public Works Director's report, as presented.

LETTERS AND COMMUNICATIONS

(None)

UNFINISHED BUSINESS

(None)

NEW BUSINESS

(None)

TOWN BUSINESS

(None)

ADJOURNMENT

There being no further business before the Commission, motion was made by Commissioner Meagher, seconded by Commissioner Piva to adjourn the Water and Sewer meeting at 6:54 PM. So unanimously voted.

Attest:



Denise Jennings
Water and Sewer Clerk

xc: Commission Members (5)
Town Administrator
Town Solicitor
Public Works Director
Town Clerk

Project Update January 2019

WELLS

JR-1, JR-3

- JR-1 is turned off for winter conditions to protect equipment and piping from freezing.

TREATMENT PLANT

- To provide safe drinking water to our customers, the water is disinfected with chlorine as the last step in treatment before distribution. Disinfectants can react with naturally occurring materials in the water to form byproducts that can pose health risks. The water department is responsible for monitoring water from the distribution system once every quarter for disinfection byproducts that include Total Trihalomethanes (TTHMs) and Total Haloacetic Acids (HAAs).

The Stage 2 Disinfection by-products rule requires us to collect and analyze a sample taken from the Town Hall each quarter. The fourth quarter testing results were 53.2 ppb for TTHMs and 15.2 ppb for HAAs. The EPA has set a maximum level of 80 ppb for TTHMs and 60 ppb for HAAs. The EPA determines maximum levels of contaminants in drinking water at which no adverse health effects are likely to occur. As the results show we are below the levels set by EPA.

TRANSFER PUMPING/RESERVOIR

- The piping for our transfer pump has been disconnected to protect equipment from freezing during the winter months.
- Work on the south pond dam was postponed until the 2019 summer season.
- We have completed our second round of E. Coli monitoring of the reservoir. We were required by the RI Department of Health to collect a sample from the reservoir every two weeks to be analyzed for E. Coli. I will be submitting a report to the RIDOH summarizing our analytical results. Based upon these results the RIDOH may require cryptosporidium monitoring for the next 12 months.

DISTRIBUTION SYSTEM

South Pond @ 6 MG

Usable Storage, 6 Million Gallons

North Pond @ 60 MG

Usable Storage 60 Million Gallons

- There were no leaks reported in the system for the month of December.

WASTEWATER TREATMENT PLANT

- The monthly average daily flow at the treatment plant for December was 0.66 million gallons per day. The peak daily flow was 1.3 million gallons. The permitted monthly average flow is 0.73 million gallons per day. There were no sanitary sewer overflows for the month of December. Rain and groundwater continue to have an impact on the sewer collection system due to I/I (Inflow & infiltration).

The RIDEM Office of Water Resources completed their annual compliance evaluation of the wastewater treatment facility in December. I am currently working on a response to comments received regarding this inspection. There are two items that I would like to note:

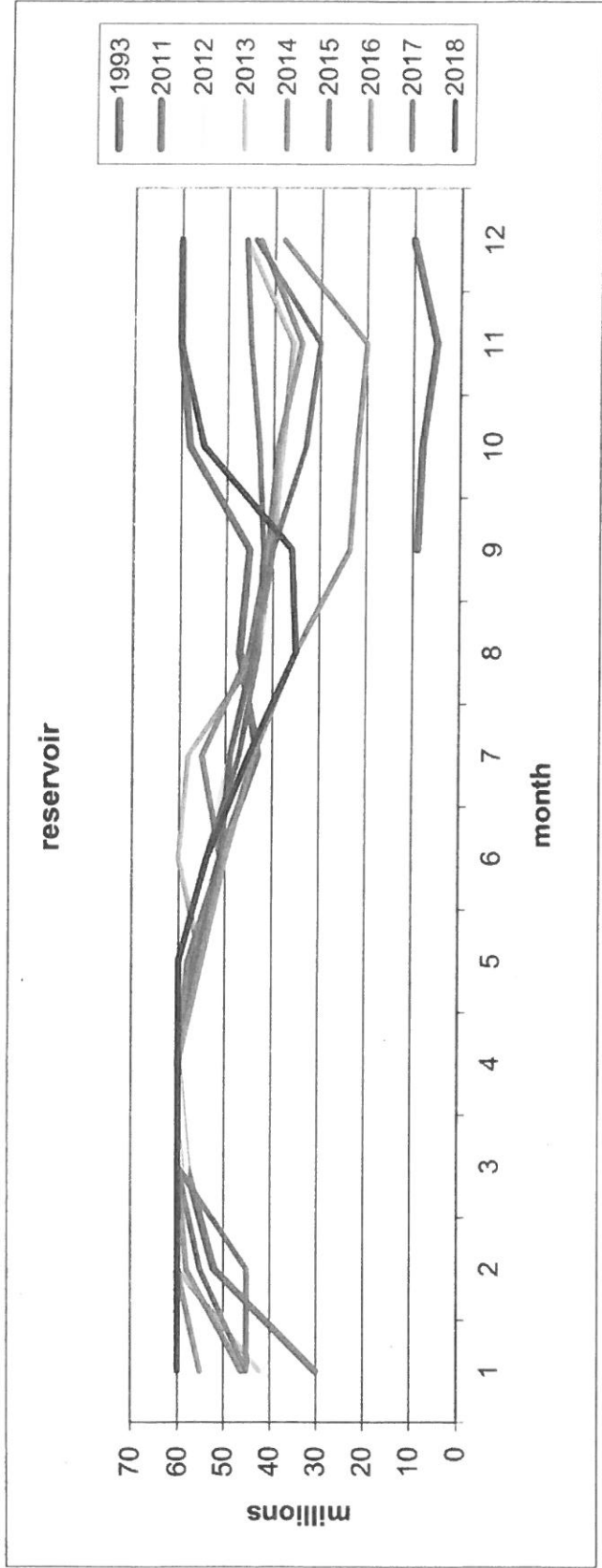
1. The RIDEM is requiring a more robust program to remove Inflow and Infiltration (I/I) from our collection system. They have concerns with the recent sanitary flows received at the plant that have exceeded the permitted discharge of 0.73 million gallons per day and the Sanitary Sewer Overflow (SSO) to the Bay that occurred in March 2018.
 - In March 2018 the Staff at the Wastewater Treatment Facility dealt with excessive flows with the rains received and the groundwater levels in the village. During the weekend of March 2nd through the 4th the staff at the wastewater department had to deal with high flows at all 4 pump stations and power outages due to the coastal storm that dumped 2.47 inches of rain and winds in excess of 50 MPH. Flows recorded at 6:00 am on March 2nd before the storm were at 0.6 million by 8:00 pm flows were in excess of 2 million gallons at the wastewater plant. Staff worked around the clock for three days manning the pump stations, responding to alarms, dealing with pump and electrical issues and keeping generators running and fueled. Sanitary sewer overflows (SSOs) were logged at Conanicus, Knowles Court, and Mackerel Cove due to the event.

I am working with our Wastewater superintendent to develop a plan to address issues of I/I in the sewer collection system. Elements of the plan will include sump pump inspections, collection system cleaning, TV inspection of piping, and developing a long-term capital investment plan for improvements to the collection system with pipe lining and/or replacement.

2. The second item of importance to the Board is the requirement of the RIDEM for additional staffing within the wastewater department. We currently have 3 full time operators at the facility. The operation and maintenance manual approved by the RIDEM list's a fourth position of seasonal laborer. This laborer position was not filled after sludge processing was eliminated at the treatment facility. Sludge is now hauled offsite in tanker trucks for disposal.

RESERVOIR LEVEL

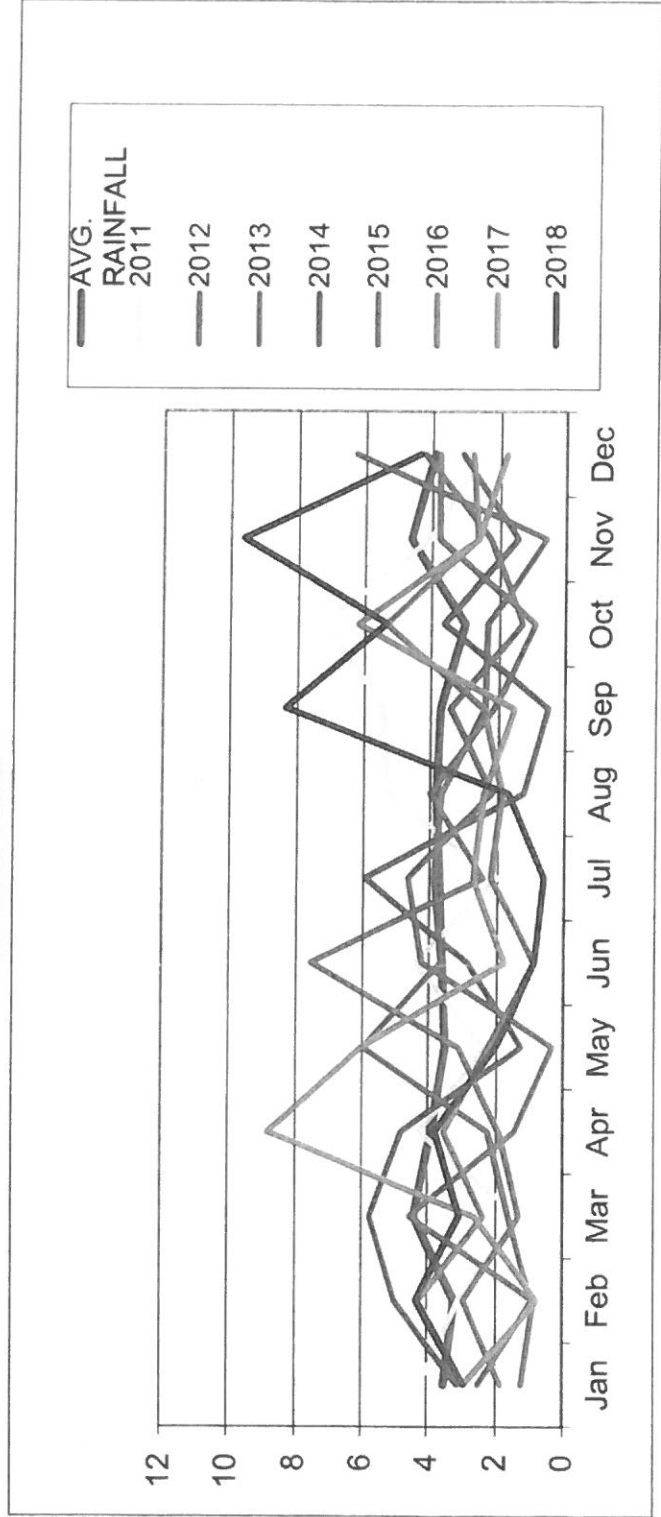
	1993	2010	2011	2012	2013	2014	2015	2016	2017	2018
Jan		60	30	60	42	55	45	46	45	60
Feb		60	52	60	60	60	45	58	55	60
Mar		60	58	58	60	60	60	60	60	60
Apr		60	60	60	60	60	60	60	60	60
May		60	57	60	55	58	56	55	60	60
Jun		51	51	54	60	51	51	50	54	54
Jul		43	43	49	58	55	49	44	47	45
Aug	9	40	47	43	43	45	44	35	43	35
Sep	8	35	45	40	40	41	40	23.5	42	36
Oct	5	30	58	38	38	39	33	22	43	55
Nov		28	60	35	36	34	30	20	45	60
Dec	10	29	60	42	46	43	44	38	46	60



	AVG. RAINFALL												
	2010	2011	2012	2013	2014	2015	2016	2017	2018				
Jan	3.5	1.1	4.22	2.49	1.85	3.1	1.22	2.94	2.94	2.94	2.94	2.94	2.94
Feb	3.2	2.2	3.09	0.93	2.94	4.98	0.86	4.25	0.76	4.33	4.33	4.33	4.33
Mar	4.4	12.2	1.32	1.64	1.32	5.74	4.53	2.36	2.62	3.07	3.07	3.07	3.07
Apr	3.9	1.77	4.25	2.24	1.92	4.8	1.47	3.53	8.8	3.79	3.79	3.79	3.79
May	3.5	1.69	2.32	5.97	3.11	1.27	0.32	2.24	6.03	2.03	2.03	2.03	2.03
Jun	3.6	4.11	4.4	3.64	7.55	2.86	4.2	0.89	1.79	0.89	0.89	0.89	0.89
Jul	3.7	2.4	2.01	3.86	2.42	5.93	4.63	2.19	2.7	0.61	0.61	0.61	0.61
Aug	3.8	2	5.23	3.64	3.98	1.23	2.17	1.88	2.4	1.73	1.73	1.73	1.73
Sep	3.7	2.4	5.41	2.39	2.13	0.5	3.41	2.42	1.54	8.35	8.35	8.35	8.35
Oct	3	4	7.18	2.33	0.9	3.61	1.31	5.33	6.18	5.34	5.34	5.34	5.34
Nov	4.6	3.4	4.05	0.58	3.76	1.47	2.27	2.63	2.61	9.61	9.61	9.61	9.61
Dec	3.9	1.76	2.51	6.28	3.76	3.1	4.2	2.79	1.81	4.33	4.33	4.33	4.33
Total	44.8	39.03	45.99	35.99	35.64	38.59	30.59	33.45	40.18	47.02	47.02	47.02	47.02

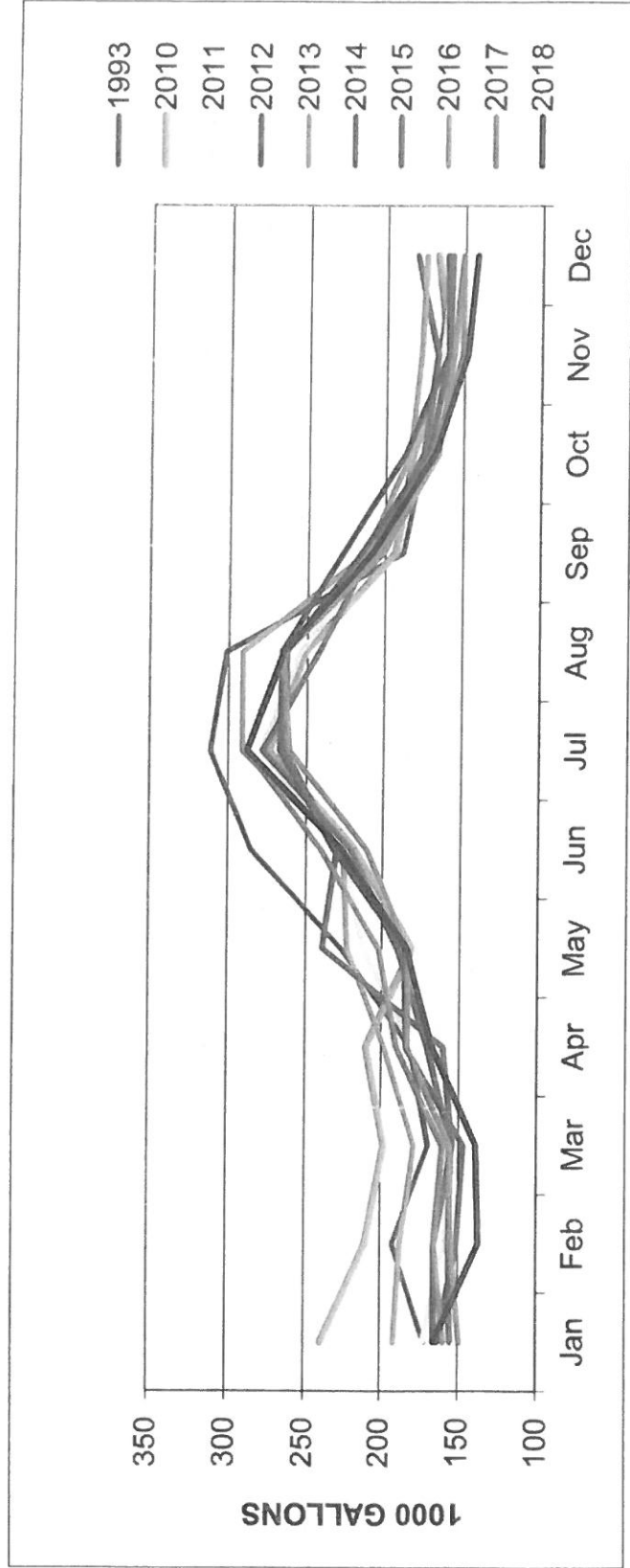
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RAINFALL

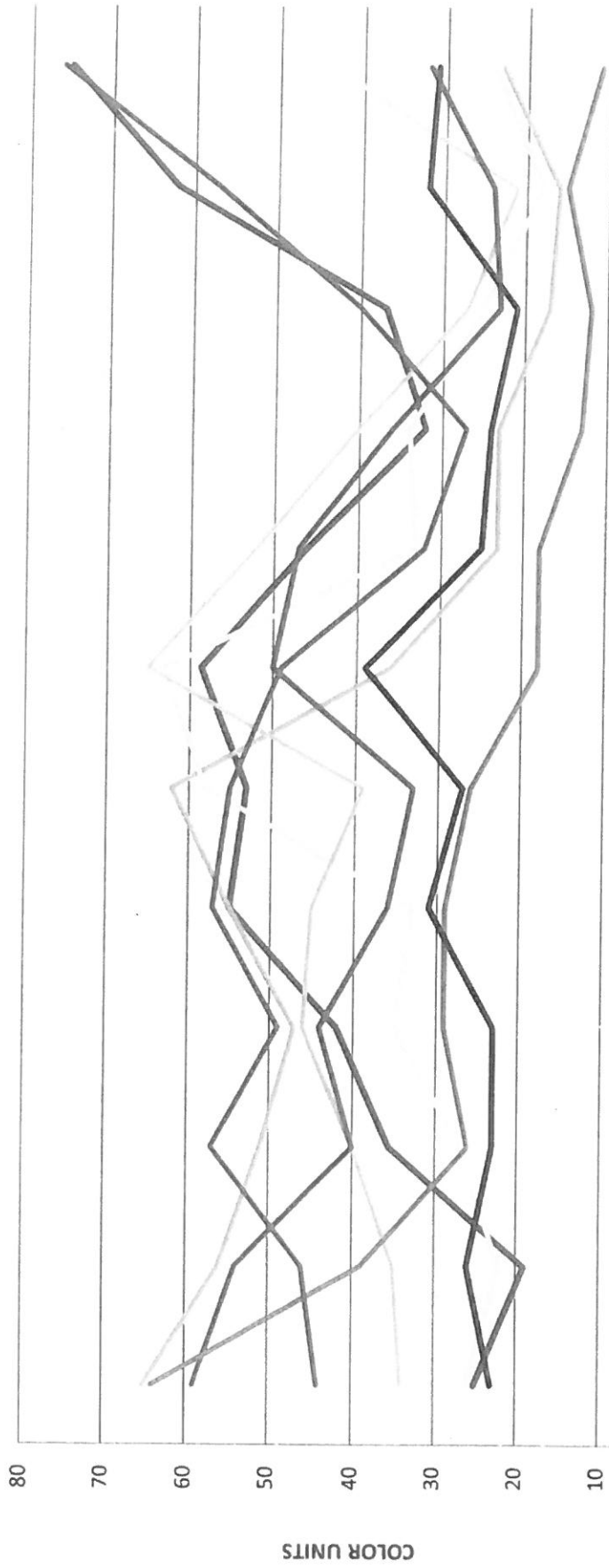


	1993	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Jan	171	172	173	239	172	155	191	163	165	159	149	165
Feb	192	154	173	210	158	156	187	151	165	165	155	137
Mar	169	155	165	198	157	155	178	147	154	160	156	139
Apr	181	174	196	210	180	170	198	184	160	190	183	167
May	227	202	195	180	212	190	223	185	239	202	183	184
Jun	285	246	215	218	226	221	226	232	230	240	210	227
Jul	311	296	277	274	279	278	291	267	264	288	261	288
Aug	301	256	290	251	254	242	291	266	263	264	266	265
Sep	188	210	245	193	205	210	212	227	215	201	203	208
Oct	175	187	259	182	175	175	184	187	172	166	170	168
Nov	166	175	226	160	164	167	177	160	160	157	151	148
Dec	158	192	230	167	158	180	174	161	158	151	151	142

PUMPING REPORT



Transfer Pumping NORTH POND WATER QUALITY



	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
2011	25	18.97	35.62	42	55	53	58.6	46	32	37	62	75
2012	65	56	51	47	55	62	36	23	23	17	16	23
2013	26	22	27	35	33	58	63	33	34	25	18	24
2014	34	35	40	46	45	39	65	52	40	27	21	44
2015	59	54	40	44	36	33	50	47	36	23	24	32
2016	64	39	26	29	29	26	18	18	13	12	15	11
2017	23	26	23	23	31	27	39	25	24	21	32	31
2018	44	46	57	49	57	55	49	32	27	40	57	76