

2017

Annual Meeting

Lake Todd Village District

Annual Report for Calendar Year 2016

Annual Report of the Lake Todd Village District for Calendar Year 2016

The District commissioners held one meeting in 2016 other than the budget hearing.

A Plea for Volunteers

The Lake Todd Village District is a municipality which is like a town. For matters related to the dam and the lake, it is governed by the citizens residing within the boundaries of the district. The district consists of all the properties with frontage on the lake. The citizens enjoy two advantages: one is the citizens are protected from liability in matters related to the lake and the dam. The other is that everyone pays their fair share of the district costs because of the district's power to tax. It takes a minimum of six people to govern the district. When the number of volunteers drops below that number, the district will not be able to operate and there is a risk that the district will be dissolved. Please step forward and do your part.

Financial Matters

The Treasurer reports that we took in \$35,275 and spent about \$32,591. We ended the year with about \$27,325, which includes about \$12,000 for the January loan payment. The Treasurer has prepared a simplified financial statement, which is appended. In addition, the Treasurer has prepared a chart showing the total expenditures for the dam improvements and the loan balance, which is appended at the end of this report.

Audit

An audit was performed on the 2016 books. The Auditor found that our financial records were in order and our procedures met requirements. The audit summary letter is appended.

Water Quality Testing

The water was sampled two times in 2016. Most parameters are stable within their normal range except pH, which has increased to 7.1, the highest level since 1992. This means that the water is becoming slightly more basic. The water test report from the State is appended at the end of this report.

Loons

The loons did not use the nesting platform in 2016.

Sponsor A Highway

In cooperation with the State Department of Transportation, the District cleans up about two miles of Route 103 from Main Street, Bradford to Fowler Mill Road. We have a clean-up three

times a year, usually the first Saturday in May, the last Saturday in August, and the first Saturday in November. Please come and join us in this satisfying public service.

Web Site

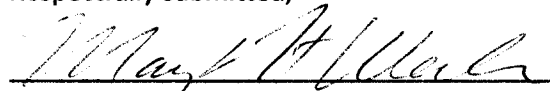
The web site has been kept up to date with the latest information throughout the year. Be sure to check it out when you can.

www.laketoddvillagedistrict.us

**Lake Todd Village District
Treasurer's Report
for the Calendar Year 2016**

		GENERAL FUND
1/1/2016	Beginning Balance:	<u>\$24,640.98</u>
Income:		
	Tax Income Bradford	9,773.00
	Tax Income Newbury	25,158.00
	Loan	0.00
	Received from Commissioners	344.00
	Total Income:	<u>\$35,275.00</u>
Expenses:		
	Commissioners' Orders Paid	<u>32,591.43</u>
	Total Expenses:	<u>\$32,591.43</u>
12/31/16		
	Ending Balance:	<u>\$27,324.55</u>
	Current loan balance	<u>\$109,658.05</u>

Respectfully submitted,



Margaret Weiler, Treasurer

Date: 6/9/2017



Town of Newbury Other - Lake Todd Fund
MS-9 for Year Ending December 31, 2016

PRINCIPAL - ACCOUNT #8000006194										INCOME - ACCOUNT #8000006194										
ANNUAL TOTALS										ANNUAL TOTALS										
DATE	TRUST NAME	PURPOSE	% OF TOTAL	BALANCE 01/01/16	NEW FUNDS	GAIN/LOSS	EXPEND	BALANCE 12/31/16	BALANCE 01/01/16	Gross Income	Mgmt Fees	Transf/Income/Exp	BALANCE 12/31/16	TOTAL						
2007	Lake Todd - Non Cap Reserve	Reserves	100.00%	9,260.32	-	1.93	-	9,262.25	471.07	186.74	(73.87)	-	583.94	9,846.19						
100%										9,260.32	-	1.93	-	9,262.25	471.07	186.74	(73.87)	-	583.94	9,846.19

June 12, 2017

Lake Todd Village District
PO Box 169
Bradford, NH 03221

Re: Summary of Annual Audit for Fiscal Year 2016

To Whom It May Concern:


An audit of the Lake Todd Village District General Ledger/Financial Records was conducted on, Tuesday, June 6, 2017 in accordance with Form MS 60. The audit was performed by Peter Carl and was assisted by Margie Weiler, Treasurer of the Lake Todd Village District.

The audit was conducted by utilizing form MS 60. The audit consisted of analyzing and comparing the Lake Todd Village District General Ledger, bookkeeping and balance sheet to the various bank statements. Form MS 60 led the auditor through a litmus test of questions comparing random deposits and written checks shown in the bookkeeping to the actual bank statements verifying that the transactions were properly documented.

Form MS60 also required that information verifying the authority of parties who sign checks and maintain the bookkeeping. The form also requires the verification of periodic reconciliations.

The audit showed that all transactions that were compared in the bookkeeping to the bank statements were verified. It also showed general ledger year-end balances that matched the year-end bank statement.

The only suggestion for improvement would be similar to ones made in years past. Those suggestions would be to upgrade the bookkeeping process from an Excel spreadsheet to a more industry accepted accounting software such as a QuickBooks.

Prepared by:

Peter Carl
Auditor



Volunteer Lake Assessment Program Individual Lake Reports

TODD LAKE, NEWBURY, NH

MORPHOMETRIC DATA

Watershed Area (Ac.):	12,212	Max. Depth (m):	6.1	Flushing Rate (yr ⁻¹)	0.5
Surface Area (Ac.):	168	Mean Depth (m):	2.2	P Retention Coef:	0.88
Shore Length (m):	5,100	Volume (m ³):	1,466,500	Elevation (ft):	670

TROPHIC CLASSIFICATION

Year	Trophic class
1991	MESOTROPHIC
2009	MESOTROPHIC

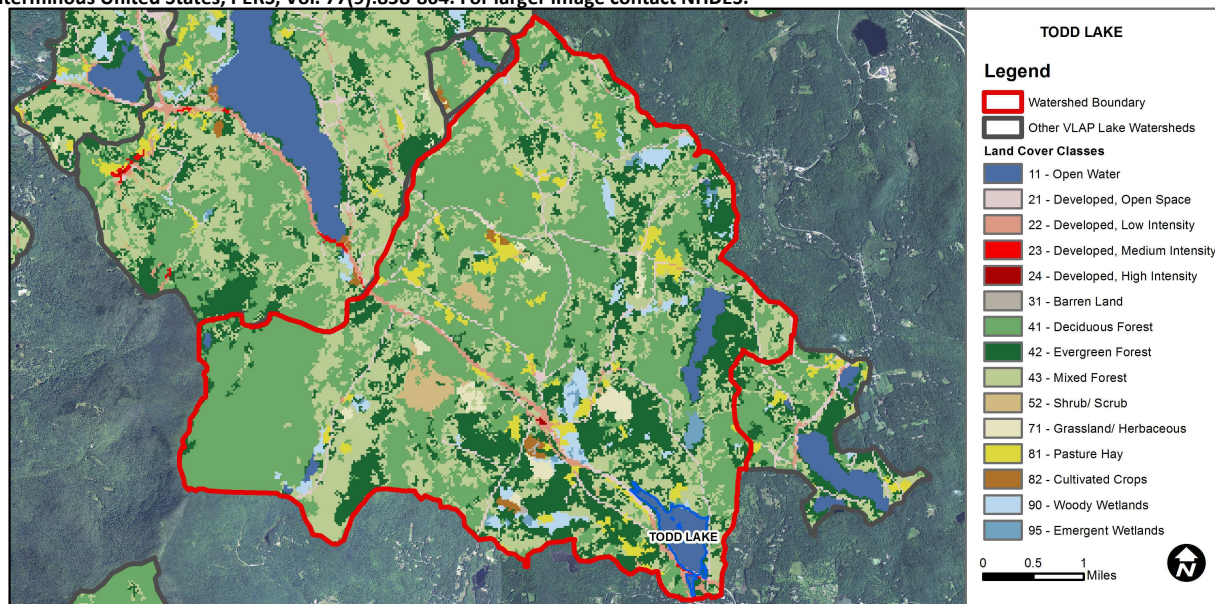
KNOWN EXOTIC SPECIES

The Waterbody Report Card tables are generated from the DRAFT 2014 305(b) report on the status of N.H. waters, and are based on data collected from 2004-2013. Detailed waterbody assessment and report card information can be found at www.des.nh.gov/organizations/divisions/water/wmb/swqa/index.htm

Designated Use	Parameter	Category	Comments
Aquatic Life	Phosphorus (Total)	Good	Sampling data is better than the water quality standards or thresholds for this parameter.
	pH	Slightly Bad	Data periodically exceed water quality standards or thresholds for a given parameter by a small margin.
	Oxygen, Dissolved	Very Good	All sampling data meet water quality standards or thresholds for this parameter.
	Dissolved oxygen saturation	Good	Sampling data commonly meet water quality standards or thresholds for this parameter.
	Chlorophyll-a	Good	Sampling data is better than the water quality standards or thresholds for this parameter.
Primary Contact Recreation	Escherichia coli	Very Good	All sampling data meet water quality standards or thresholds for this parameter.
	Chlorophyll-a	Good	Sampling data commonly meet water quality standards or thresholds for this parameter.

WATERSHED LAND USE SUMMARY

Fry, J., Xian, G., Jin, S., Dewitz, J., Homer, C., Yang, L., Barnes, C., Herold, N., and Wickham, J., 2011. Completion of the 2006 National Land Cover Database for the Conterminous United States, PERS, Vol. 77(9):858-864. For larger image contact NHDES.



Land Cover Category	% Cover	Land Cover Category	% Cover	Land Cover Category	% Cover
Open Water	2.52	Barren Land	0.05	Grassland/Herbaceous	1.44
Developed-Open Space	2.83	Deciduous Forest	41.51	Pasture Hay	2.92
Developed-Low Intensity	1.03	Evergreen Forest	18.9	Cultivated Crops	0.31
Developed-Medium Intensity	0.04	Mixed Forest	23.99	Woody Wetlands	2.36
Developed-High Intensity	0.02	Shrub-Scrub	1.5	Emergent Wetlands	0.6



VOLUNTEER LAKE ASSESSMENT PROGRAM INDIVIDUAL LAKE REPORTS

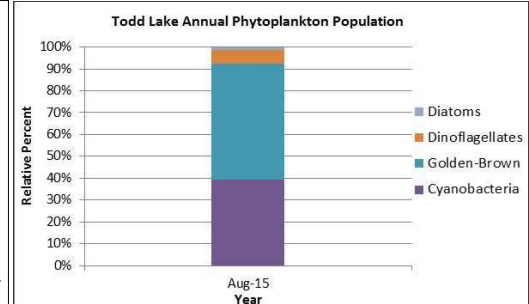
TODD LAKE, NEWBURY

2016 DATA SUMMARY

RECOMMENDED ACTIONS: A cyanobacteria bloom was noted in the lake in August and this highlights the delicate balance of the lake ecosystem. Drought conditions and low water levels likely caused the lake to retain nutrients which fueled the cyanobacteria growth in August. Please alert DES if you observe any additional cyanobacteria growth in the lake so DES can positively identify the cyanobacteria and quantify cell counts and potential toxin production. Overall, lake clarity (transparency) has remained below average since 2000, however transparency measured using the viewscope tends to be higher (better) and within a more average range for the lake. Lake clarity was worse in August following a significant storm event which highlights the importance of managing stormwater runoff from lake and watershed properties, dirt/gravel roads, paved roads, and steep slopes. Planting and maintaining vegetative buffers along the shoreline helps to reduce erosion of the shoreline as well as infiltrate stormwater. DES' "NH Homeowner's Guide to Stormwater Management" and UNH Cooperative Extension's "Landscaping at the Water's Edge" are great resources. Keep up the great work!

OBSERVATIONS (Refer to Table 1 and Historical Deep Spot Data Graphics)

- **CHLOROPHYLL-A:** Chlorophyll levels were within an average range in June and decreased slightly in August. The 2016 average chlorophyll level remained stable with 2015 and was slightly less than the state median. Historical trend analysis indicates stable chlorophyll levels with moderate variability between years.
- **CONDUCTIVITY/CHLORIDE:** Epilimnetic (upper water layer), Hypolimnetic (lower water layer), Outlet, and Reservoir Brook conductivity levels remained within a low to average range and were approximately equal to the state median. Historical trend analysis indicates stable epilimnetic conductivity levels with moderate variability between years. Andrew Brook conductivity level was slightly greater than the state median and low tributary flow may have concentrated salts and minerals in the water.
- **TOTAL PHOSPHORUS:** Epilimnetic phosphorus was low in June and increased to a slightly elevated level in August following a significant storm event during drought conditions. Average epilimnetic phosphorus increased from 2015 and was approximately equal to the state median. Historical trend analysis indicates stable epilimnetic phosphorus levels since monitoring began. Hypolimnetic phosphorus levels remained within an average range from June to August. Andrew Brook, Outlet and Reservoir Brook phosphorus levels were within average ranges for those stations.
- **TRANSPARENCY:** Transparency measured without the viewscope (NVS) was below average for the lake in June and August. Cyanobacteria growth was noted in the water column in August which could have impacted transparency. Average NVS transparency decreased (worsened) from 2015 and was less than (worse than) the state median. Historical trend analysis indicates stable transparency with high variability between years. Transparency measured with the viewscope (VS) was higher (better) than NVS transparency and within an average range for the lake.
- **TURBIDITY:** Epilimnetic turbidity levels were within an average range for that station and remained stable from June to August. Hypolimnetic and Andrew Brook turbidity levels were slightly elevated in June and lab data note a small amount of sediment in the samples. Outlet turbidity levels were slightly elevated in June and August likely due to low flows. Reservoir Brook turbidity level was low in June.
- **pH:** The pH levels were within the desirable range 6.5-8.0 units at all stations, however epilimnetic pH has historically fluctuated below the desirable range. Historical trend analysis indicates stable epilimnetic pH levels with moderate variability between years.



NH Water Quality Standards: Numeric criteria for specific parameters. Results exceeding criteria are considered a water quality violation.

Chloride: > 230 mg/L (chronic)

E. coli: > 88 cts/100 mL – public beach

E. coli: > 406 cts/100 mL – surface waters

Turbidity: > 10 NTU above natural level

pH: between 6.5-8.0 (unless naturally occurring)

NH Median Values: Median values for specific parameters generated from historic lake monitoring data.

Alkalinity: 4.9 mg/L

Chlorophyll-a: 4.58 mg/m³

Conductivity: 40.0 uS/cm

Chloride: 4 mg/L

Total Phosphorus: 12 ug/L

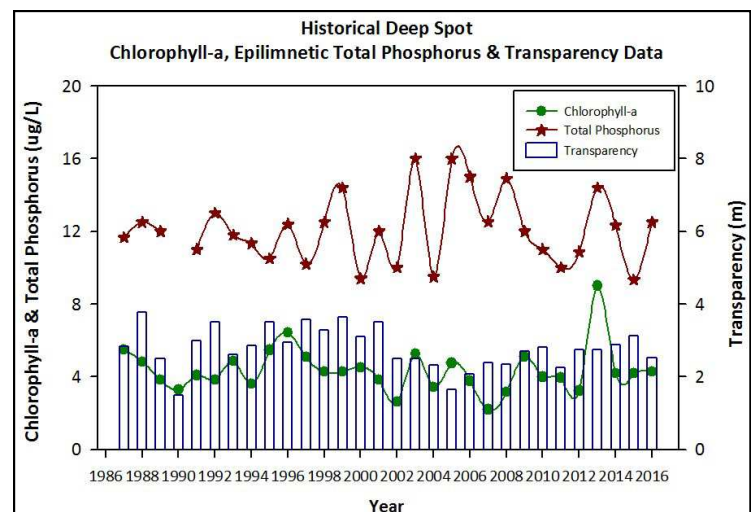
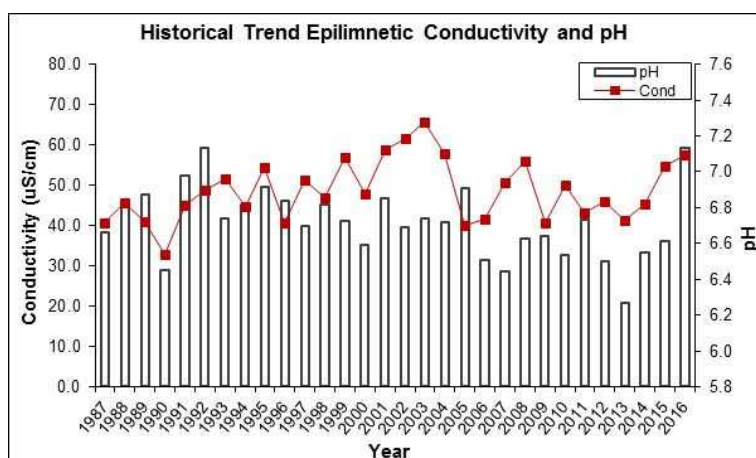
Transparency: 3.2 m

pH: 6.6

Station Name	Table 1. 2016 Average Water Quality Data for TODD LAKE-NEWBURY							
	Alk. mg/l	Chlor-a ug/l	Cond. uS/cm	Total P ug/l	Trans. m		Turb. ntu	pH
					NVS	VS		
Epilimnion	7.9	4.28	57.6	13	2.53	3.53	1.16	7.13
Hypolimnion			57.4	12			2.19	6.55
Andrew Brook			95.3	17			1.82	7.26
Outlet			58.3	11			1.26	7.03
Reservoir Brook			34.7	16			0.48	6.90

HISTORICAL WATER QUALITY TREND ANALYSIS

Parameter	Trend	Explanation	Parameter	Trend	Explanation
Conductivity	Stable	Trend not significant; data moderately variable.	Chlorophyll-a	Stable	Trend not significant; data moderately variable.
pH (epilimnion)	Stable	Trend not significant; data moderately variable.	Transparency	Stable	Trend not significant; data highly variable.
			Phosphorus (epilimnion)	Stable	Trend not significant; data show low variability.



Lake Todd Village District
TOWNS OF BRADFORD and NEWBURY, NEW HAMPSHIRE
Saturday, June 25^h 2016

The Moderator, Tim Rodd, called the meeting to order at 9:05 a.m. Officers of the Lake Todd Village District were introduced. It was explained that in order to vote or to call a motion, you must be a registered voter in the LTVD. The moderator explained that the warrant articles would be voted on by a show of hands. The moderator also explained all people present can ask questions or make comments. Hard copies of the 2015 annual treasurer's report and Warrent Article were distributed.

ARTICLE 1. To see if the Village District will vote to elect by unofficial ballot the following:

Commissioner	- 3 year term - June 2016 to June 2019
Commissioner	- 2 year term - June 2016 to June 2018
Moderator	- 1 year term - June 2016 to June 2017
Clerk	- 1 year term - June 2016 to June 2017
Treasurer	- 1 year term - June 2016 to June 2017
Auditor	- 1 year term - June 2016 to June 2017

The moderator read article one. Bill Weiler moved for the article. Steve Snyder seconds. Nominations began.

- Commissioner, three year term. Steve Snyder is nominated by Bill Weiler. Cynthia Snyder seconds. Moderator asked if there were any other nominations. There were none. Nomination is closed. The Moderator called for the vote. Steve Snyder is elected.
- Commissioner, two year term. Bill Weiler is nominated by Cynthia Snyder. Steve Snyder seconds. Moderator asked if there were any other nominations. There was none. Nomination is closed. The Moderator called for the vote. Bill Weiler is elected.
- Moderator, one year term. Tim Rodd is nominated by Cynthia Snyder. Bill Weiler seconds. The Moderator asked if there were any other nominations. There were not. Nomination is closed. The Moderator called for the vote. Tim Rodd is elected.
- Clerk, one year term. Steve Snyder nominated Cindy Snyder. Frederico Montanari seconds. Nomination is closed. The Moderator asked if there were any other nominations. The Moderator called for the vote. Cynthia Snyder was elected.
- Treasurer, one year term. Cynthia Snyder nominated Margie Weiler, Steve Snyder seconds. The Moderator asked if there were any other nominations. Nomination is closed. Moderator called for the vote. Margie Weiler was elected.

- Auditor, one year term. Steve Snyder nominated Peter Carl, Bill Weiler seconds. The Moderator asked if there were any other nominations. Nomination is closed. Moderator called for the vote. Peter Carl was elected.

ARTICLE 2 . To see if the Village District will raise and appropriate the sum of \$35,129.00 for general municipal operations.

The Moderator read article two. Bill Weiler moved to adopt. Steve Snyder seconds. Bill Weiler and Steve Snyder briefly reviewed the budget. Moderator asked if there were any questions.

The Moderator asked if there were any questions. Craig Amerigan asked what the additional \$7000 legal charges were for. Commissioner Weiler explained it was for anticipated costs to resolve dispute with one resident regarding the safety fence being installed on the Dam wall.

With no further questions, the Moderator moved for the article, Steve Snyder Seconds. A vote was taken. The motion was passed.

Article 3. To transact any other business that may legally come before said meeting.

Bill Weiler moved to adopt.

Other business discussion:

The Moderator read asked if anyone had any other business they wanted to speak about.

Weed Watchers: Commissioner Snyder gave the update and an overview of the changes in the weed maps from previous years. He explained how the weather and boating traffic have increased the spread of some of the more invasive NON exotic plants and algae bloom. Commissioner Snyder will be sending out notice about the weeds and suggestions to boaters to help reduce weed spread. Additional signs will be made at access points regarding clean boats and caution for invasive weeds.

Water Quality: Commissioner Snyder gave an update on water testing to be done the Laustens June 26 and again in August. Next Year the state will come and test a third time. It was noted the test results are posted on the LTVD web page and that generally there have been little to no issues with water quality over the last several years.

Loon update: Cynthia Snyder gave an update on the loons are nesting this year behind and not on the floating nest. Steve Snyder said the district would be ordering floating signs to deter boaters from coming too close to the island.

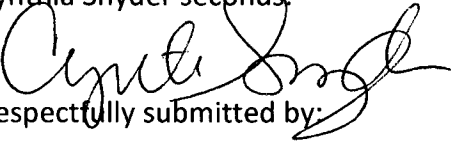
Cynthia Snyder noted flares for sale this weekend and next July 1st is Flare Friday 9:00 PM.
Flares for

Steve mentioned that date and location for LTVD Social *in August* to be discussed. Notice will go out.

Bill Weiler introduced Katheryn Holmes Newbury Conservation Commission for Chair. She gave an overview of the local Conservation Committee and a meeting she is planning for Lake Associations in the area. She invited the LTVD to attend the next meeting the second Tuesday in September. A notice will go out with details.

The moderator asked if there were other questions from the floor. With no further questions the moderator moved to adjourn the meeting. Steve Snyder Seconds.
The motion was accepted and the meeting was adjourned at 9:50 a.m.

Cynthia Snyder seconds.


Respectfully submitted by:

Cynthia Snyder
Lake Todd Village District Clerk

Lake Todd Village District

Dam Improvement Project

Calendar Year	Engineering	Legal	Permits & Fees	Easement	Inspections	Daniels Construction	Penstock Work	Totals
2007	\$ 3,200.00							\$ 3,200.00
2008	\$ 484.04		\$ 4,000.00					\$ 4,484.04
2009	\$ 8,429.00	\$ 400.00						\$ 8,829.00
2010	\$ 3,548.35	\$ 1,684.50	\$ 504.12					\$ 5,736.97
2011	\$ 5,520.40	\$ 2,955.88	\$ 578.00	\$ 6,000.00	\$ 12,000.00	\$ 79,650.00		\$ 106,704.28
2012	\$ 552.75				\$ 6,400.00	\$ 162,850.00	\$ 605.48	\$ 170,408.23
Totals	\$ 21,734.54	\$ 5,040.38	\$ 5,082.12	\$ 6,000.00	\$ 18,400.00	\$ 242,500.00	\$ 605.48	\$ 299,362.52

Original Loan Amount \$ 204,500.00

January 2017 Loan Balance \$ 99,417.02