

# CHARTER TOWNSHIP OF GARFIELD TOWN BOARD MEETING

Tuesday, March 12, 2019 at 6:00pm  
Garfield Township Hall  
3848 Veterans Drive  
Traverse City, MI 49684  
Ph: (231) 941-1620

## AGENDA

### ORDER OF BUSINESS

**Call meeting to order**

**Pledge of Allegiance**

**Roll call of Board Members**

#### 1. Public Comment

##### **Public Comment Guidelines:**

Any person shall be permitted to address a meeting of The Township Board, which is required to be open to the public under the provision of the Michigan Open Meetings Act, as amended. (MCLA 15.261, et.seq.) Public Comment shall be carried out in accordance with the following Board Rules and Procedures: a.) any person wishing to address the Board is requested to state his or her name and address. b.) No person shall be allowed to speak more than once on the same matter, excluding time needed to answer Township Board Member's questions. Where constrained by available time the Chairperson may limit the amount of time each person will be allowed to speak to (3) minutes. 1.) The Chairperson may at his or her own discretion, extend the amount of time any person is allowed to speak. 2.) Whenever a Group wishes to address a Committee, the Chairperson may require that the Group designate a spokesperson; the Chairperson shall control the amount of time the spokesperson shall be allowed to speak when constrained by available time.

#### 2. Review and approval of the Agenda - Conflict of Interest

#### 3. Consent Calendar

The purpose of the Consent calendar is to expedite business by grouping non-controversial items together to be dealt with in one Board motion without discussion. Any member of the Board, staff or the public may ask that any item on the Consent Calendar be removed there from and placed elsewhere on the Agenda for full discussion. Such requests will be automatically respected. If any item is not removed from the Consent Calendar, the action noted in parentheses on the Agenda is approved by a single Board action adopting the Consent Calendar.

a. Minutes – February 26, 2019 (Recommend Approval)

b. Bills -

General Fund                      \$ 81,312.32  
(Recommend Approval)

c. MTT Update (Receive and File)

- d. PD 2019-20 Follow-Up Report: Joint Meeting of Township Board and Planning Commission (Receive and File)

**4. Items removed from the Consent Calendar**

**5. Correspondence**

- a. Grand Traverse Conservation District – 2018 Annual Update
- b. Grand Traverse Conservation District – February Report
- c. Grand Traverse Conservation District - eNewsletter

**6. Reports**

- a. County Commissioner's Report
- b. Clerk's Report
- c. Supervisor's Report

**7. Unfinished Business**

- a. PD 2019-22 – DNR Local Watercraft Control Ordinance for Portion of Silver Lake – Continue Discussion

**8. New Business**

**9. Public Comment**

**10. Other Business**

**11. Adjournment**

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Lanie McManus, Clerk

The Garfield Township Board will provide necessary reasonable auxiliary aids and services, such as signers for hearing impaired and audio tapes of printed materials being considered at the meeting to individuals with disabilities upon the provision of reasonable advance notice to the Garfield Township Board. Individuals with disabilities requiring auxiliary aids or services should contact the Garfield Township Board by writing or calling Lanie McManus, Clerk, Ph: (231) 941-1620, or TDD #922-4412.

**CHARTER TOWNSHIP OF GARFIELD  
TOWN BOARD MEETING  
February 26, 2019**

**3. a.**

Supervisor Korn called the Town Board Meeting to order on February 26, 2019 at 6:00 p.m. at the Garfield Township Hall, 3848 Veterans Drive, Traverse City, Michigan.

**Pledge of Allegiance**

**Roll Call of Board Members**

Present: Denise Schmuckal, Dan Walters, Molly Agostinelli, Jeane Blood Law, Steve Duell, Lanie McManus and Chuck Korn

**1. Public Comment (6:01)**

None

**2. Review and Approval of the Agenda - Conflict of Interest (6:01)**

*Agostinelli moved and Duell seconded to approve the agenda as presented.*

*Yeas: Agostinelli, Duell, Schmuckal, McManus, Blood Law, Walters, Korn*

*Nays: None*

**3. Consent Calendar (6:02)**

**a. Minutes**

**February 12, 2019 Regular Meeting (Recommend Approval)**

**b. Bills**

**General Fund**

**\$735,825.35**

**(Recommend Approval)**

Board members removed February 12, 2019 Minutes from the consent calendar and placed it under item 4.

*Duell moved and Schmuckal seconded to adopt the consent calendar as amended.*

*Yeas: Duell, Schmuckal, Agostinelli, Walters, McManus, Blood Law, Korn*

*Nays: None*

**4. Items removed from the Consent Calendar (6:03)**

The minutes shall be amended to reflect that in Item 10, the phrase "or are not receiving any education of any kind" shall be removed to mirror language in the proposed resolution 2019-06-T. New Business Item 8.b. shall be changed by removing "\$33,500" and replacing it with "\$3,500."

*Duell moved and Schmuckal seconded to adopt the minutes of February 12, 2019 as amended.*

*Yeas: Duel, Schmuckal, Walters, Agostinelli, Blood Law, McManus, Korn*

*Nays: None*

5. **Correspondence (6:05)**

None

6. **Reports**

a. **GT Metro Fire Report (6:05)**

A report submitted in writing detailed a few calls for service and revealed 364 total incidents in January of 2019.

b. **Northflight Report (6:05)**

Tim Newton introduced Paul Owens as Director and Rose Surzanen as Base Coordinator. He said he is giving workshops in the schools for AED, CPR and critical bleeding. The weather slowed some response times in January.

c. **County Commissioner's Report (6:09)**

Commissioner Brad Jewett said the County Commissioner's agendas have been light recently and commissioners did approve a payment to MERS for the year. MERS is going to bring forth some new numbers for interest payments.

d. **Treasurer's Report (6:12)**

Blood Law said that Deputy Treasurer Chloe Macomber successfully completed official Certified Assessor training making her a Level 1 Assessor.

e. **Supervisor's Report (6:13)**

Korn said that east west corridor open house presented five alternatives for transportation. He explained the five choices which could also be found on the Road Commission website and are open to public comments until February 28.

7. **Unfinished Business**

a. **Consideration of Resolution 2019-06-T, a resolution Adopting Township Trustees Salary (6:16)**

*Schmuckal moved and Blood Law seconded to adopt Resolution 2019-06-T, a resolution Adopting Township Trustees Salary.*

*Yeas: Schmuckal, Blood Law, Walters, Agostinelli, McManus, Duell, Korn*

*Nays: None*

8. **New Business**

a. **Review and acceptance of an application by Fred Campbell to name two streets, one "Molon Drive" and the other "Contractors Drive"**

**located on the east side of Cass between Airport Road and Hartman Road (6:17)**

*Schmuckal moved and Walters seconded to accept an application by Fred Campbell to name two streets, one "Molon Drive" and the other "Contractors Drive" located on the east side of Cass between Airport Road and Hartman Road.*

*Yeas: Schmuckal, Walters, McManus, Agostinelli, Blood Law, Duell, Korn  
Nays: None*

**9. Public Comment (6:20)**

None

**10. Other Business (6:21)**

**a. Continued discussion regarding Metro**

Korn said that at the Metro Board meeting he presented a list of items on which Garfield Township would require an affirmative vote. Metro Board members agreed to review the document and try to have a study session ahead of mediation. It was suggested that supervisors and a non-metro board member represent each township at the mediation. Board members decided to secure a date and then choose either McManus or Schmuckal. Korn will keep the board informed. Wages of full time firefighters were discussed and the Metro Board will study the issue in depth.

Schmuckal said that she has been contacted about rising property assessments. Korn said that SEV's have risen, but by law, property taxes can only increase by 2.4%.

The Cass Road drainage district will be bid out in March.

The No Wake Zone enforcement on Silver Lake was discussed.

**11. Adjournment**

*Korn moved and moved to adjourn the meeting at 6:52 pm.*

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Chuck Korn, Supervisor  
Charter Township of Garfield  
3848 Veterans Drive  
Traverse City, MI 49684

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Lanie McManus, Clerk  
Charter Township of Garfield  
3848 Veterans Drive  
Traverse City, MI 49684

Check Date	Bank	Check #	Payee	Description	GL #	Amount
03/04/2019	GEN	37679	GARFIELD CHARTER TOWNSHIP	METRO DIST #13	101-000-403.000	27,486.03
03/05/2019	GEN	37680	AMERICAN WASTE	8642317	308-000-880.001	305.00
03/05/2019	GEN	37681	AMERICAN WASTE	3394790	101-265-935.604	85.00
03/05/2019	GEN	37682	ANNE WENDLING	CONTRACTED SERVICES	101-101-805.000	173.00
		37682		CONTRACTED SERVICES	101-400-805.000	267.50
						440.50
03/05/2019	GEN	37683	CEDAM	EDUCATION	101-171-960.000	75.00
03/05/2019	GEN	37684	CHERRYLAND ELECTRIC COOP.	ELECTRIC	101-000-084.861	298.79
		37684		ELECTRIC	101-265-920.603	946.43
		37684		ELECTRIC	101-448-920.005	855.64
						2,100.86
03/05/2019	GEN	37685	CHERRYLAND ELECTRIC COOP.	ELECTRIC	308-000-880.001	649.23
03/05/2019	GEN	37686	CITY OF TRAVERSE CITY	170975-94720	101-000-084.861	182.71
		37686		170975-94720	101-448-920.005	512.41
						695.12
03/05/2019	GEN	37687	DOUBLE R CO.	BARNES TRAIL	308-000-935.000	7,752.00
03/05/2019	GEN	37688	FIFTH THIRD BANK	5473785400027192	101-171-960.000	67.22
		37688		5473785400027192	101-171-965.000	263.00
						330.22
03/05/2019	GEN	37689	FIFTH THIRD BANK	5473787298599431	101-101-726.000	192.15
		37689		5473787298599431	101-215-960.000	848.00
						1,040.15
03/05/2019	GEN	37690	G & J SITE SOLUTIONS, INC.	PAYMENT #1 BVNP SITE IMPROVEMENT	308-000-880.006	18,360.00
03/05/2019	GEN	37691	GARFIELD CHARTER TOWNSHIP	HSA	101-000-237.000	765.76
03/05/2019	GEN	37692	GRAND TRAVERSE COUNTY DPW	5105021	101-265-920.602	149.65
03/05/2019	GEN	37693	GRAND TRAVERSE COUNTY DPW	5590511	308-000-935.000	11.50
03/05/2019	GEN	37694	GRID4 COMMUNICATIONS, INC.	PHONES	101-265-850.000	1,109.53
03/05/2019	GEN	37695	ICLE	BOOK	101-401-965.000	108.50
03/05/2019	GEN	37696	INTEGRITY BUSINESS SOLUTIONS	CHAIRS	101-101-726.000	476.99
		37696		CHAIRS	101-253-726.000	432.00
		37696		CHAIRS	101-371-726.000	216.00

**3. b.**

Check Date	Bank	Check #	Payee	Description	GL #	Amount
		37696		CHAIRS	101-401-726.000	864.00
		37696		CHAIRS	101-412-726.000	216.00
						2,204.99
03/05/2019	GEN	37697	JEANE BLOOD LAW	MILEAGE JAN-FEB	101-253-860.500	88.16
03/05/2019	GEN	37698	KCI	ASSESSMENT NOTICES	101-171-726.001	(293.67)
		37698		ASSESSMENT NOTICES	101-171-900.000	440.00
						146.33
03/05/2019	GEN	37699	NORTHERN OFFICE EQUIP	SVC CONTRACT	101-101-726.002	347.75
03/05/2019	GEN	37700	RUBY CLEANING SERVICE	CONTRACTED SVC	101-265-935.603	1,150.00
03/05/2019	GEN	37701	RUBY CLEANING SERVICE	CONTRACTED SVC	308-000-935.000	100.00
03/05/2019	GEN	37702	SPECTRUM BUSINESS	INTERNET	101-258-935.016	75.00
03/05/2019	GEN	37703	STAPLES	PAPER / INK / ENVELOPES	101-101-726.000	196.10
		37703		PAPER / INK / ENVELOPES	101-171-726.000	467.39
		37703		PAPER / INK / ENVELOPES	101-253-726.000	186.66
						850.15
03/05/2019	GEN	37704	STATE OF MICHIGAN (P)	SUB MONTHLY/QUARTERLY	101-000-228.000	2,555.90
03/05/2019	GEN	37705	SUPERFLEET	GAS	101-806-862.000	67.93
03/05/2019	GEN	37706	SVEC CONSTRUCTION	SNOW REMOVAL	101-265-935.601	1,337.00
03/05/2019	GEN	37707	TEMPERATURE CONTROL	JACE	101-265-935.608	4,995.00
03/05/2019	GEN	37708	THE GUARDIAN	LIFE / DENTAL	101-851-873.030	1,536.62
		37708		LIFE / DENTAL	101-851-873.040	738.44
						2,275.06
03/05/2019	GEN	37709	UNITED WAY	UNITED WAY	101-000-238.000	90.00
03/05/2019	GEN	37710	VOYA INSTITUTIONAL TRUST COMPANY	DEFERRED COMP VF3202	101-000-227.000	2,015.00
03/05/2019	GEN	37711	Z TRAIL GROOMING	TRAIL GROOMING	308-000-935.000	1,550.00
						81,312.32

--- GL TOTALS ---

101-000-084.861  
 101-000-227.000  
 101-000-228.000  
 101-000-237.000  
 101-000-238.000  
 101-000-403.000

DUE FROM #861 STREET LIGHTS  
 DEFERRED COMP  
 STATE TAXES PAYABLE  
 HSA (FORMERLY FLEX)  
 UNITED WAY  
 CURRENT REAL PROPERTY TAXES


481.50  
 2,015.00  
 2,555.90  
 765.76  
 90.00  
 27,486.03

Check Date	Bank	Check #	Payee	Description	GL #	Amount
101-101-726.000			SUPPLIES			865.24
101-101-726.002			SUPPLIES - COPIER MAINTENANCE			347.75
101-101-805.000			CONTRACTED AND OTHER SERVICES			173.00
101-171-726.000			SUPPLIES			467.39
101-171-726.001			POSTAGE			(293.67)
101-171-900.000			PRINTING & PUBLISHING			440.00
101-171-960.000			EDUCATION & TRAINING			142.22
101-171-965.000			DUES & PUBLICATIONS			263.00
101-215-960.000			EDUCATION & TRAINING			848.00
101-253-726.000			SUPPLIES			618.66
101-253-860.500			MILEAGE - TREASURER			88.16
101-258-935.016			COMPUTER NETWORK			75.00
101-265-850.000			TELEPHONE			1,109.53
101-265-920.602			WATER / SEWER			149.65
101-265-920.603			LIGHTS BUILDING			946.43
101-265-935.601			SNOW PLOWING			1,337.00
101-265-935.603			CLEANING SERVICE			1,150.00
101-265-935.604			RUBBISH REMOVAL			85.00
101-265-935.608			MAINTENANCE-OTHER			4,995.00
101-371-726.000			SUPPLIES			216.00
101-400-805.000			CONTRACTED AND OTHER SERVICES			267.50
101-401-726.000			SUPPLIES			864.00
101-401-965.000			DUES & PUBLICATIONS			108.50
101-412-726.000			SUPPLIES			216.00
101-448-920.005			STREET LIGHTS TOWNSHIP			1,368.05
101-806-862.000			GAS & CAR WASHES			67.93
101-851-873.030			INSURANCE - EMPLOYEE HEALTH			1,536.62
101-851-873.040			INSURANCE - EMPLOYEE LIFE			738.44
308-000-880.001			COM. PROM. - SILVER LAKE PARK			954.23
308-000-880.006			COM. PROM. - BVNP (YMCA)			18,360.00
308-000-935.000			MAINTENANCE - MISC, EQUIP			9,413.50
			TOTAL			81,312.32



MTT Update  
Prepared for Garfield Twp Board

Docket #	Parcel No(s)	Owner	Property Address	Year(s) in Contention	Assessor's Values		Petitioner's Values		Value Differences			Status Notes	ACTUAL	
					Assessed	Taxable	Assessed	Taxable	Assessed	Taxable	Twp Millage Loss		METRO Millage Loss	
1 18-001808	004-035-00	4Front Credit Union	3939 W Front St	2018	\$ 433,700	\$ 433,700	\$ 350,000	\$ 350,000	\$ (83,700)	\$ (83,700)	\$ (58,700)	\$ (117,40)	\$ (137,95)	
2 18-001010	016-027-50	ARC MHTVM1001 LLC	3333 N US 31 South Kohl's	2018	\$ 1,864,200	\$ 1,864,200	\$ 889,840	\$ 889,840	\$ (974,360)	\$ (974,360)	\$ (164,200)	\$ (328,40)	\$ (385,87)	
3 18-001500	016-032-40	American Multi-Cinema, Inc	3825 Marketplace Cir	2018	\$ 4,268,900	\$ 4,268,900	\$ 3,365,406	\$ 3,365,406	\$ (903,494)	\$ (903,494)	\$ -21%			
4 16-002436	021-015-00 & 021-015-70	Grand Traverse Mall LLC	3200 W South Airport Rd	2016	\$ 21,593,800	\$ 21,483,557	\$ 12,462,460	\$ 12,462,460	\$ (9,131,340)	\$ (9,131,340)	\$ (9,021,097)	\$ (9,396,53)	\$ (11,040,93)	
18-001230	021-015-00 & 021-015-70	Grand Traverse Mall LLC	3200 W South Airport Rd	2017	\$ 21,593,800	\$ 21,593,800	\$ 12,462,460	\$ 12,462,460	\$ (9,131,340)	\$ (9,131,340)	\$ (9,131,340)	\$ (11,318,18)	\$ (13,298,86)	
5 17-002286	021-015-10	Airport 31, LLC	3450 W South Airport Rd	2017	\$ 2,049,700	\$ 1,828,226	\$ 1,000,000	\$ 1,000,000	\$ (1,049,700)	\$ (828,226)	\$ (578,226)	\$ (1,156,45)	\$ (1,358,83)	
6 17-002044	021-015-20	Mary's	3160 W South Airport Rd	2017	\$ 2,005,200	\$ 2,005,200	\$ 1,523,685	\$ 1,523,685	\$ (481,515)	\$ (481,515)	\$ (1,005,200)	\$ (2,010,40)	\$ (2,362,22)	
7 18-000900	021-015-30	JC Penney Corp	3300 W South Airport Rd	2018	\$ 1,136,100	\$ 1,131,778	\$ 450,000	\$ 450,000	\$ (686,100)	\$ (681,778)	\$ (379,998)	\$ (760,00)	\$ (893,00)	
8 18-002330	021-024-00	Tireland LLC	2825 N US 31 South Belle Tire	2018	\$ 769,900	\$ 769,900	\$ 421,800	\$ 421,800	\$ (348,100)	\$ (348,100)	\$ (461,900)	\$ 0	\$ 0	
9 18-001927	077-002-00	Great Lakes Investment Co LLC	4045 West Royal Dr	2018	\$ 1,461,900	\$ 1,461,900	\$ 1,000,000	\$ 1,000,000	\$ (461,900)	\$ (461,900)	\$ -32%	\$ 0	\$ 0	
10 18-001930	077-005-00	Wide Angle Holdings LLC	3963 West Royal Dr	2018	\$ 399,900	\$ 379,933	\$ 300,000	\$ 300,000	\$ (99,900)	\$ (79,933)	\$ (93,500)	\$ 0	\$ 0	
11 18-001949	347-012-00	Kidz First LLC	5024 N Royal Dr	2018	\$ 618,500	\$ 618,500	\$ 525,000	\$ 525,000	\$ (93,500)	\$ (93,500)	\$ -15%	\$ 0	\$ 0	
				2016	\$ 21,683,300	\$ 21,548,766	\$ 12,500,000	\$ 12,500,000	\$ (9,183,300)	\$ (9,048,766)				
				2017	\$ 23,736,100	\$ 23,492,517	\$ 15,023,685	\$ 15,023,685	\$ (8,712,415)	\$ (8,712,415)	\$ (10,468,832)			
				2018	\$ 34,896,500	\$ 32,587,502	\$ 19,802,046	\$ 19,802,046	\$ (15,094,454)	\$ (15,094,454)	\$ (12,785,956)			
				SETTLED VALUES:		2016	\$ 4,333,300	\$ 4,333,300	\$ (4,698,266)	\$ (4,698,266)				
				SETTLED VALUES:		2017	\$ 7,488,100	\$ 7,488,100	\$ (7,292,517)	\$ (7,292,517)				
				SETTLED VALUES:		2018	\$ 17,255,300	\$ 17,255,300	\$ (17,228,191)	\$ (17,228,191)				
				Garfield Potential Tax Loss		2016	\$ 18,096,531	\$ 18,096,531	\$ -	\$ -				
				Garfield Potential Tax Loss		2017	\$ 20,937,661	\$ 20,937,661	\$ -	\$ -				
				Garfield Potential Tax Loss		2018	\$ 25,571,711	\$ 25,571,711	\$ -	\$ -				
				ACTUAL TWP TAX LOSS		2016	\$ (9,396,53)	\$ (9,396,53)	\$ -	\$ -		\$ (9,396,53)	\$ (11,040,93)	
				ACTUAL TWP TAX LOSS		2017	\$ (14,485,03)	\$ (14,485,03)	\$ -	\$ -		\$ (14,485,03)	\$ (17,019,91)	
				ACTUAL TWP TAX LOSS		2018	\$ (14,485,03)	\$ (14,485,03)	\$ -	\$ -		\$ (15,662,18)	\$ (18,403,06)	
				GRAND TOTAL			\$ (39,543,74)	\$ (39,543,74)	\$ -	\$ -		\$ (46,463,90)	\$ (54,917,90)	

 <b>Charter Township of Garfield</b> <b>Planning Department Report No. 2019-20</b>		
Prepared:	March 4, 2019	Pages: 2
Meeting:	March 12, 2019 Township Board	Attachments: <input type="checkbox"/>
Subject:	Follow-Up Report: Joint Meeting of Township Board and Planning Commission	

In follow-up to the joint meeting of the Township Board and Planning Commission on February 27, 2019, below are recommended next steps to be considered by both the Board and the Planning Commission:

### **ISSUES:**

#### *East/West Transportation Study*

Solutions regarding the east west traffic issue are being evaluated and a preferred solution will be selected later this spring. As the primary planning and zoning entity for the majority of the study area, the Township has an essential role in how land use is developed in relation to any transportation changes or improvements.

**Recommended Next Steps:** Once a preferred solution is selected, the Township may weigh in on the preferred solution particularly regarding the impact of any transportation improvements on land use and the appropriate response for land use planning and zoning in the vicinity of the improvements.

#### *Noise Control*

In relation to car washes, a more appropriate way to address noise concerns would be through the existing Township Noise Ordinance. However, as part of the development review process, the Planning Commission could require appropriate design measures to mitigate any potential noise from a car wash.

**Recommended Next Steps:** The Planning Commission will consider amending the Zoning Ordinance to remove the decibel requirement for car washes and incorporate other standards in Section 712 of the Zoning Ordinance to mitigate any potential sound issues related to car washes.

#### *Wineries/Breweries/Distilleries/Cideries*

There was general support for agritourism businesses and activities in the Township with interest in averting any potential issues, including signage, special events, parking, and traffic.

**Recommended Next Steps:** Planning Department staff will investigate potential zoning regulations for these uses for consideration by the Planning Commission.

#### *Recreational Marijuana (Michigan Regulation and Taxation of Marijuana Act)*

The State of Michigan will be issuing licenses for recreational marijuana operations later this year. There was general discussion to opt out of the requirement and not allow for such uses.

**Recommended Next Steps:** Township Board will consider a resolution and/or ordinance to opt out of the recreational marijuana provisions.

**OPPORTUNITIES:**

*Community Vision*

Board members thought a vision was a good idea to help further the direction of the township.

**Recommended Next Steps:** Planning Department staff will outline an approach to develop a strategic plan that creates a Township vision, mission, values and goals.

*Economic Development*

For economic development efforts, there was discussion on developing a redevelopment/investment plan for the east side of the Township with a focus on redevelopment of Cherryland Center and neighboring corridors, promoting the Opportunity Zone, applying for the Redevelopment Ready Communities (RRC) program, and branding and marketing of the Township as a great place to invest in and live in.

**Recommended Next Steps:** Planning Commission and staff will discuss developing a redevelopment plan for the east side of the Township at its March 27 study session.

*Capital Planning and Budgeting*

A capital improvement plan aids in making smarter investments and improvements in Township infrastructure and operations.

**Recommended Next Steps:** Planning Department staff will outline an approach to develop capital improvement planning process.

**ACTION REQUESTED:**

This report is intended to provide follow up overall direction and dialogue between the Township Board and Planning Commission. No formal action is requested. Questions and further feedback can be directed towards Planning Department staff.



Grand Traverse Conservation District  
Land Management Services for Garfield Charter Township  
2018 Annual Update



Kid's Creek Park – West Middle School – Project Greenagers



### **Introduction:**

The Grand District Conservation District has assisted Garfield Township with the management of Townships parklands for over 20 years. This relationship was formalized through a Resource Management Services Agreement starting in January of 2002. Since then, a three-year agreement has been subsequently re-approved, lastly in January of 2017. The contract will need to be renewed once again for 2020.

The Conservation District through its Parklands program provides technical and management services for the Township at the Grand Traverse Commons Natural Area, Kids Creek Park, Miller Creek Nature Reserve (MCNR), Silver Lake Recreation Area (SLRA), Boardman Valley Nature Preserve (BVNP), and the new River East Recreation Area (RERA).

Professional management of these areas is imperative for the safety and welfare of users while ensuring protection of the natural environment. This report details some of the District's work-related activities at these parklands throughout 2018.

### **GT Commons Natural Area**

The GT Commons property is a heavily used park managed for multiple user groups including hikers, bikers, and skiers. Educational stewardship opportunities are abundant with neighboring schools that use the grounds as an 'outdoor classroom'. With the addition of the 'State 40' parcel now under Garfield Township ownership, a greater emphasis is needed on the development of a cohesive user-friendly sustainable trail plan. Resolving current deed language inconsistencies between parcels of the Natural Area property is an important step in that planning process.

The hilly terrain of the park has made it especially popular with mountain bikers. In many instances, unsustainable trails have been created, which lead to erosion problems and potential safety concerns. Collaborative planning with the Northern Michigan Mountain Bike Association and the Copper Ridge Riders to assess necessary closures and construction needs could help alleviate further rogue trail development and promote sustainability.

### **Work completed:**

- Performed routine maintenance and monitoring to pick-up litter, mow along trails, remove downed trees, and refill dog waste dispensers at trailheads.
- Installed a retaining wall at bridge entry along Cedar Cathedral Trail to stabilize trail tread and reduce eroded sediment input into adjacent tributary of Kid's Creek.
- Replaced broken vehicle barrier bollards at bridge entry to the Garfield Trail adjacent to the Greenspire School.
- Replaced boot brush station sign at the Long Lake Trailhead.
- Repaired or removed aging timber fencing at trailheads and along trails as necessary.



- Attended GT Commons deed discussions with state and local officials, TART representatives, and neighboring property owners to determine next steps to facilitate management and planning efforts on the property.
- Extended boardwalk along Cedar Cathedral Trail to minimize impact on soft organic soils.
- Repaired aging stair infrastructure in vicinity of the Water Tower Trailhead.
- Re-posted interim trail intersect maps at formalized trail junctions to facilitate navigation.
- Installed 'Report Parkland Concerns' signs at trailheads with generic email contact... trails@gtcd.org.
- Designed and posted "Attn: Dog Guardians" informational signs at trailheads to remind pet owners of the MI state ordinance leash law and to clean-up dog waste.
- Removed illegal dumping of yard waste from the Long Lake Rd Trailhead.
- Continued to address re-occurring vandalism at the Commons Natural Area. Further deterrence may include installation of cameras.
- Covered-up graffiti at locations outside the proximity of the cistern and 'hippy tree'.
- Invasive Species Control
  - Controlled highly invasive garlic mustard at known locations throughout the park.
  - Coordinated NW MI Invasive Species Network (ISN) in the early detection control of invasive callery pear at top of Copper Ridge. Costs associated were covered by ISN.
  - Continued invasive wood shrub treatment is planned for 2019
- Addressed various high erosion sites throughout the trail system. Solutions included:
  - Added aggregate to solidify tread
  - Installed berms and water-bars to deflect and diminish surface run-off
  - Created water dips to divert drainage off trail
- Stewardship outreach
  - Facilitated a trail steward program in which volunteers monitor trails on a regular basis.
  - Collaborated with Greenspire Montessori in stewardship activities to plant native seedlings along Kid's Creek tributaries and eroded hill sides in vicinity of the school.
  - Connected with Matt Miller, Executive Director of the Human Nature School, to promote stewardship activities and address park concerns at the Commons.
  - Conducted a spring volunteer 'Clean Up' work bee event to cover-up graffiti, pick-up trash, and remove abandon homeless camps.



**Cedar Cathedral Boardwalk Extension**



**Trail stabilization**



## **Kids Creek Park**

This 17-acre park was the result of a Planned Urban Development (PUD) for construction of Great Wolf Lodge and several large box stores. Management priorities for this site include continued invasive species control, native planting efforts, infrastructure improvements, and maintenance of barrier-free trails. Now connecting to the Buffalo Ridge Trail, this network of trails also provides a critical link for the Safe Routes to School program.

### **Work completed:**

- Performed routine maintenance such as mowing, trail pruning, re-stocking of dog bag dispensers, and downed tree removal.
- Secured timber railing and bench along boardwalk at Kid's Creek Park.
- Replaced damaged kiosk/info station frames and plexi-glass.
- Contracted Popp Excavating and acquired necessary permits to construct a 1,200' crushed gravel connector trail from Kids Creek Park to the Buffalo Ridge Trail in 2018, which was finalized in spring of 2019.
- Received \$5,000 dollars worth of match funds for the connector trail awarded through the Traverse City Track Club Endowment.
- Collaborated with TC West Middle School 8<sup>th</sup> grade students, Science Teacher, Tara Denherder, and the Grand Traverse Stewardship Initiative (GTSI) to develop and install informational signage along the Buffalo Ridge Trail and at Kids Creek Park. A grant was secured through GTSI for \$1,600 to pay signage cost.
- Sponsored an annual TC West Middle School Greenagers event at Kid's Creek Park to plant native seedlings and pull garlic mustard.
- Continued outreach with Great Wolf Lodge on the potential removal/rebuild of the dilapidated Franke Mill.
- Re-solicited bids for demolition of the old Franke mill.
- Coordinated annual fish stocking of bluegill at Oleson Pond.
- Contracted YouthWork to remove aquatic vegetation from Oleson Pond as necessary to maintain quality fishing access.
- Planted native shrubs and trees throughout the property and alongside Kids Creek.
- Coordinated continued invasive species control at the park.
  - Sprayed highly invasive phragmites with associated cost and labor provided by ISN.



**Planting along Kids Creek with TC WMS students**



- Conducted bio-control efforts on invasive purple loosestrife with the leaf defoliating *Galerucella* beetle.
- Contracted invasive woody shrub treatment will continue in 2019.
- Provided periodic weed treatments along all crush gravel trails to maintain ADA accessibility.



Oleson Pond is annually stocked with bluegill to provide a fishing destination in close proximity of Traverse City. Upon availability, the MI DNR also plants retired trout from state run hatcheries. State fishing regulations do apply at the pond and on Kids Creek; however, it is noted that adults should be accompanied by a child to fish the pond.

### **Silver Lake Park**

With active recreation facilities on the eastern portion of the property and nature trails along Silver Lake and Hidden Lake, this park offers something for everyone. Management priorities include the completion of a comprehensive trail plan, installation of corresponding trail intersect navigational signage, continued invasive species control efforts, and development of a tree planting plan for the active recreation areas, including the buffer off East Silver Lake Road.

#### Work completed:

- Continued weekly monitoring of parking areas, trails, and dog park to refill dog waste dispensers.
- Maintained timber fencing around parking area as necessary.
- Replaced damaged info station frames and plexi-glass.
- Installed erosion control measures to stabilize trails on the Hidden Lake Loop and at entry of the residential access off Lake Street.
- Installed two timber benches at scenic locations along trails off Mud Lake and Hidden Lake.





- Contracted Komrska Tree Farm, LLC., for the purchase and installation of 12 ball and burlapp conifer trees to buffer the park from E. Silver Lake Road.
- Replaced an aging trash surround. Plan to follow suit with replacement of remaining trash surrounds in 2019.
- Cleared snow to maintain access to American Waste disposal totes as necessary during winter season.
- Switched garbage totes at dog park on a regular basis to accommodate disposal needs.
- Monitored and facilitated winter trail grooming efforts.
- Continued invasive species control efforts.
  - Treated phragmites on the north branch of Silver Lake (aka. Mud Lake).
  - Cut, removed, and treated stumps of invasive black locust adjacent to Silver Lake Rd and the fire department with Dan Walters and Youth Work.
  - Coordinated bio-control efforts on invasive purple loosestrife with the leaf defoliating *Galerucella* beetle.
  - Provided poison ivy control along trails to deter user contact.



Buffer planting at Silver Lake Rec Area

### **Miller Creek Nature Reserve**

The Miller Creek property was also part of a PUD from the Grand Traverse Crossings that preserved land along the Miller Creek Corridor. The Township then added to the acreage of this parkland with the acquisition of a western adjoining parcel (Hansen parcel) in 2013. This parkland provides a unique natural oasis in the heart of a largely commercial and industrial corridor. Management priorities for the Miller Creek property include further development of the trail system to link with the Arbors Condominium complex and the Grand Traverse Natural Education Reserve through the Sabin School property in addition to ongoing maintenance on the existing 3+ miles of trails.

#### Work completed:

- Coordinated the 2017 construction of ~ ¼ mile stretch of boardwalk and a timber black locust viewing/fishing platform at pond down from Aldi Foods. Trail opened in 2018.
- Created and maintained new earthen trail along Arbors property to accommodate greater loop trail opportunity on the western end of the park, which also connects to the newest section of boardwalk.



- Constructed over a 1/2 mile of sustainable trail re-routes along Miller Creek to divert social trail traffic off unstable slopes and sensitive banks of Miller Creek in the 2017/18 field seasons.
- Acquired necessary permits and constructed planned reroute in the NE portion of Miller Creek Nature Reserve to avoid seasonal flooding behind Cass Road industrial buildings.
- Replaced damaged footbridge railing at Miller Creek crossing down from Aldi Foods.
- Planted over 1,400 native seedlings along Miller Creek to stabilize slopes and deter further foot traffic along sensitive banks.
- Contracted Youth Work and Wildlife and Wetland Solutions to assist with parkland improvements for habitat and recreation needs at the Reserve.
- Collaborated with local law enforcement to remove homeless camps from the property.
- Contracted invasive species control efforts for phragmites, with associated costs covered by the ISN. Invasive woody shrub treatments will continue in 2019.
- Provided poison ivy control along trails to deter user contact.
- Held an Earth Day volunteer event at Miller Creek Nature Reserve to plant seedlings, pick up trash, and spruce up trails.



**Bench trail construction at Miller Creek NR**

### **Boardman Valley Nature Preserve (BVNP)**

The BVNP was acquired with MI Trust funds in 2005 in cooperation with the Oleson Foundation and the Grand Traverse Regional Land Conservancy. This 115-acre parcel is managed cohesively with Grand Traverse County's 525-acre Natural Education Reserve and provides a critical link that creates a linear park and natural corridor along the Boardman River from South Airport Road to Beitner Road. The Boardman River Trail, a multi-use trail linking Traverse City to the North Country Trail, transects the property. In 2018, a newly established trailhead, pickle ball courts, and a universally accessible boat launch were constructed with further matched funding from MI Trust Funds for development purposes.

District management involvement has focused on replacing aging infrastructure (bridges, boardwalks, viewing platforms) while providing further improvements to existing trails. 'Loop' trails established and maintained since 2017 have enabled recreational users and YMCA camps to explore the area through a network of trails than simply a single 'in and out' trail. Plans for 2019 include the installation of a raised crushed gravel path through the seasonally wet YMCA field to better connect the newly established trailhead with the trail system.



#### Work completed:

- Performed routine maintenance such as mowing of trails and downed tree removal.
- Replaced the timber railing on a viewing/fishing platform over the Boardman River.
- Developed and installed interim maps on posts at trail intersects depicting 'loop' trail opportunities.
- Repaired decking at footbridge over a tributary to the Boardman River.
- Collaborated with Boardman River Clean Sweep in homeless site clean-up efforts on the Verizon parcel.
- Coordinated with Bill Mouser the seasonal removal of the new ADA watercraft landing.
- Collaborated with the GT County Sherriff Department regarding homeless camps on the Verizon parcel.
- Monitored construction of the new trailhead and watercraft landing.



Railing replaced on viewing/fishing platform



Universally accessible boat launch installed

### **River East Recreation Area**

This property was purchased with MI Trust Funds in 2014. Township planning has focused efforts on setting the stage for developed recreation improvements of the upper area while encouraging access to the Boardman River. Much of the natural area follows along the river and is wetland composed of lowland conifer with mixed hardwood providing great habitat for wildlife.

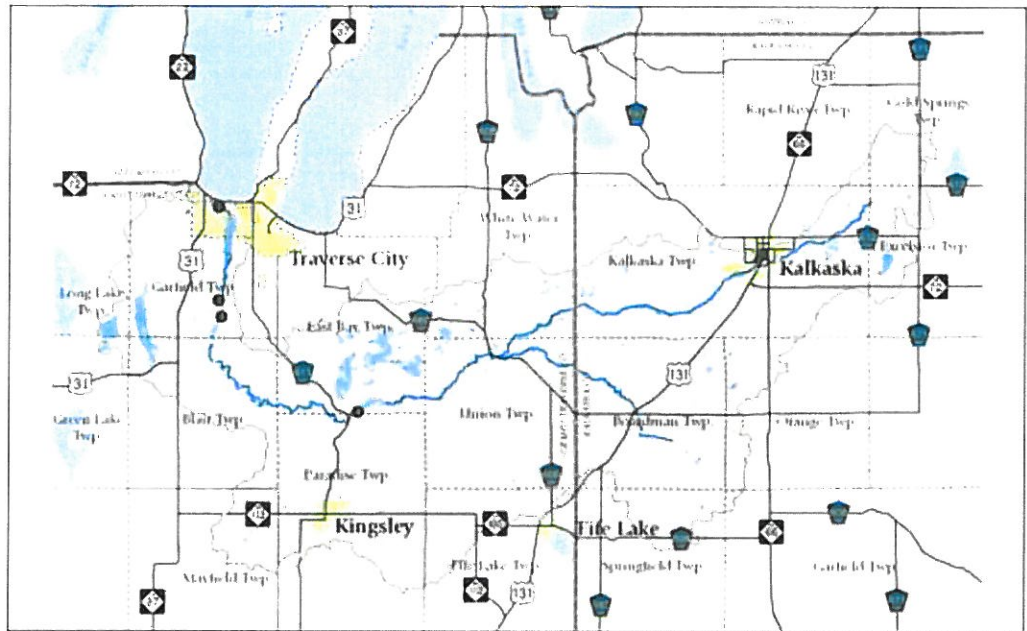
The Conservation District surveyed the property in 2016 for invasive species management purposes. Much of the efforts thus far has been on the clean-up of homeless sites in collaboration with Boardman River Clean Sweep.

### **Boardman River Stewardship**

With increasing development and the vast majority of Garfield Township residing within the Boardman River Watershed, the Township plays a vital role in maintaining the over-all water quality of the Boardman River and its associated tributaries. The Boardman River provides approximately 1/3 of the surface-water volume to Grand Traverse Bay, there-by having direct impact on the health of the Bay.



Steve Largent, District Conservation Team Coordinator and GT County Drain Commissioner, has led the charge on many efforts to restore the over-all water quality of the Boardman River for nearly 30 years. His passion, perseverance, and leadership continue with some of the highlighted efforts from 2018 found below.



- Worked closely with Boardman River Dam Removal project partners and contractors to address questions and concerns regarding the amount of silt and sediment entering Boardman Lake. A sign explaining what people are seeing was developed and will be installed at the County's Medalie Park located in Garfield Township in the spring of 2019.
- Attended a fish passage meeting hosted by the Michigan Department of Natural Resources Fisheries Division. The meeting was called in response to concerns expressed by the Save The Boardman Brook Trout Coalition and the Adams Chapter of Trout Unlimited who feel that the passage of non-native Great Lakes fish including steelhead and salmon will displace native brook trout and resident brown trout. The MDNR stated they would agree to not pass any fish while the state of the art FishPass system that's being planned for Union Street dam was constructed and tested which is estimated for around 2025.
- Met with Senator Wayne Schmidt, Garfield Township Supervisor Chuck Korn, and others regarding how to get the railroad more involved in the replacement of the perched culvert under the railroad. GTCD staff helped arrange for a \$200,000 EQIP grant through the Grand Traverse Band to assist with the replacement.
- Assisted contractors with the removal of blockages in Miller Creek to improve flow yet doesn't impact fish habitat.
- Met with individual interested in purchasing a piece of property on Miller Creek in hopes that it could someday provide a new access off Cass Road to Miller Creek Park.
- Met with the Director of MDOT's Office of Rail and others regarding the Miller Creek railroad crossing and MDOT's participation. Received positive feedback that they will



participate in the replacement of this severely degraded crossing that also involves the Township's watermain.

- Met with a property owner along Miller Creek to discuss details regarding the purchase of the parcel with the hopes of eventually adding the parcel to the Township's Miller Creek Park. The property will also serve as an overflow for Miller Creek during flood events thereby helping to protect businesses to the north along Cass Road.
- Attended the first meeting of the Leadership Team for the proposed Boardman River Watershed Collaborative which is an effort to communicate, coordinate, and collaborate on the future management structure of the Boardman River and its watershed.
- Attended Boardman River Dams Project Implementation Team (IT) meetings.
- Attended Boardman River Dams Project Monitoring Team meetings.
- Attended a meeting with FLOW (For the Love of Water) and other partners to discuss a draft resolution regarding the protection of our Great Lakes water as a public trust.
- Prepared and submitted a Michigan Coastal Zone Management Program grant proposal to hire a consultant to prepare a Boardman River Access & Recreation Plan – Scoping Document. The Scoping Document is Phase-I of a multi-phase project that will identify key stakeholders, decision makers, design considerations, timeline, budget, funding opportunities, and other important factors for the development of a Boardman River Access & Recreation Plan in Phase-II. Phase-III is implementation of the recreation plan.
- Met with Heather Hettinger, MDNR Fisheries Biologist re: FishPass.
- Gave a talk to the Friendly Garden Club re: The Boardman Today.
- Participated in a tour of the Boardman River Watershed with the Grand Traverse Regional Land Conservancy to view/discuss priority parcels for possible land protection.
- Attended E/W Mobility Study meetings

### **Conclusion**

In addition to day-to-day maintenance, improvement planning and implementation, the staff of the Grand Traverse Conservation District's Conservation Team works tirelessly each day to collaborate and coordinate within the community in the best interest of Garfield Township parklands and our shared natural resources. It is estimated that nearly 2,000 District staff, work crew, and volunteer hours were spent maintaining and improving Garfield Township parklands over the past year.

We thank Garfield Township for their continued support in protecting habitat, conserving natural resources, and providing recreational opportunities for the betterment of the community. With this support the Conservation District can more fully achieve its mission in "inspiring exploration, appreciation, and conservation of our natural world". We look forward to continuing cooperative Land Management Services with Garfield Township in the years ahead!

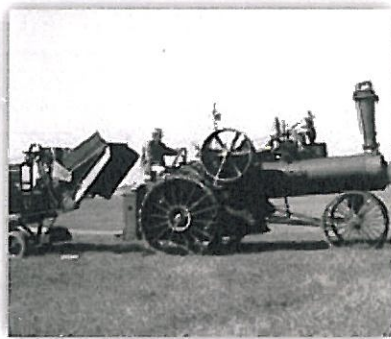


## Grand Traverse Conservation District

Inspiring exploration, appreciation and conservation of our natural world



## History



- Established in 1941 to lead the US through the soil erosion crisis in the "Dust Bowl" era
- Almost every county in MI has a Conservation District (79 of 83)
- Do not receive funds from the State of Michigan for general operations



# What we do



- Support sustainable, local agriculture
- Train future generations of conservation leaders
- Provide gateways to the natural world
- Restore the Boardman River and its watershed



Brown Bridge Quiet Area



Hickory Meadows



Commons Natural Area



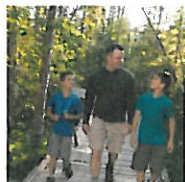
Kids Creek Park



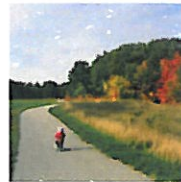
East Creek Reserve



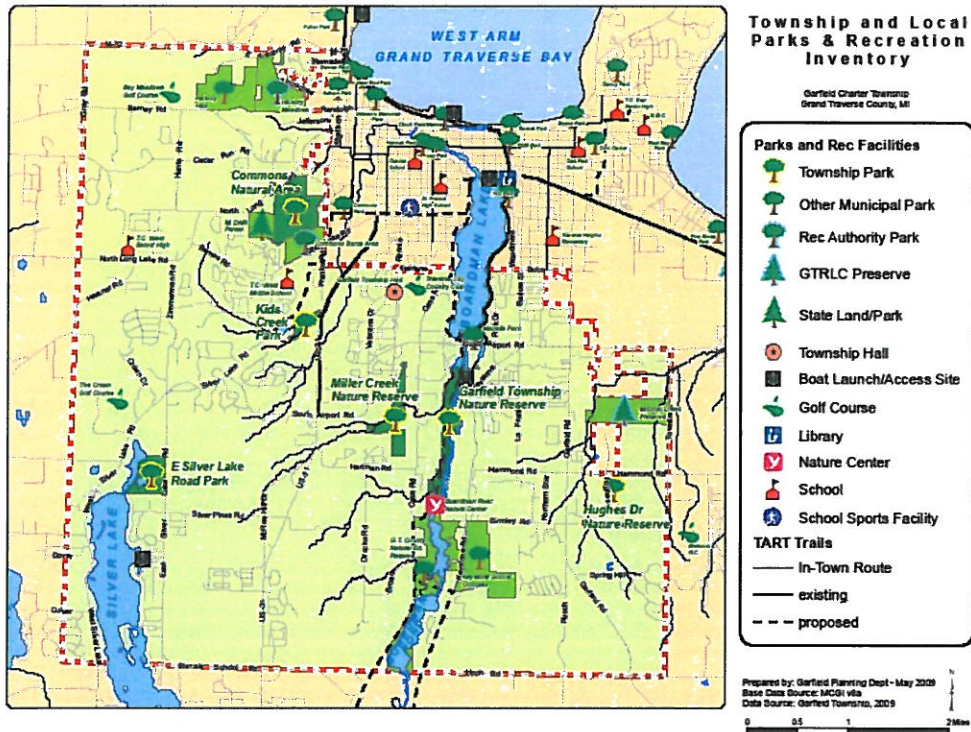
Miller Creek Nature Reserve



Grand Traverse Natural Education Reserve & the Boardman Valley Nature Preserve

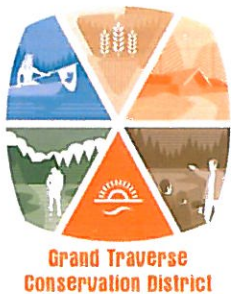


Silver Lake Recreational Area



## Garfield Township Parkland Overview ~ History

### Land Management Services



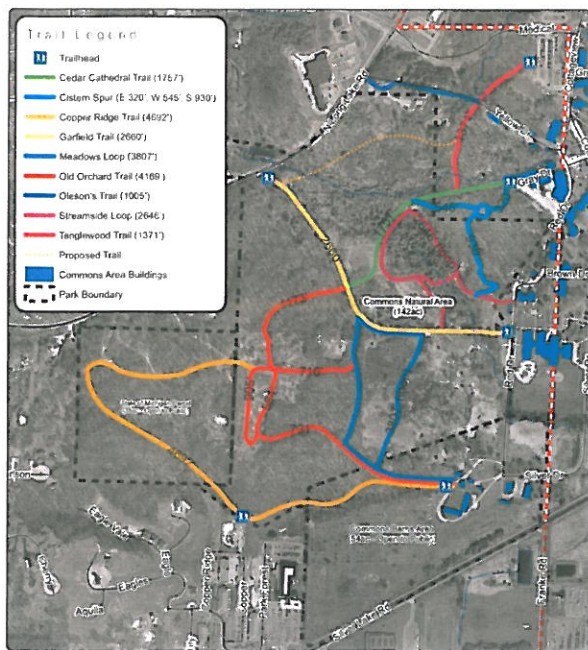
## CHARTER TOWNSHIP OF GARFIELD

- GTRC has assisted with management of Township parklands for over 20 years
- A formalized Resource Management Services Agreement began in January of 2002
  - Renewed every 3 years since... 2005, 2008, 2011, 2014 and 2017
  - Needs renewal for 2020
- Currently manage 526 acres including:
  - Boardman Valley Nature Preserve
  - Kids Creek Park
  - Commons Natural Area
  - Silver Lake Recreation Area
  - Miller Creek Nature Reserve
  - River East Recreation Area



# Commons Natural Area

- ~185 acres (including the State 40 parcel)
- 4.5+ miles of trail
- Most used parkland
- Multiple user groups
- Shared ownerships



**Trails Map**

**Grand Traverse Commons Natural Area**

Garfield Charter Township  
3548 Yellowstone Drive  
Traverse City, MI 49604  
Phone: 231.941.1620  
Fax: 231.941.1688  
[www.garfield.twp.mi.gov](http://www.garfield.twp.mi.gov)

NOT A LEGAL SURVEY

## Commons Natural Area

### Work completed in 2018:

- Trail improvement projects to mitigate erosion concerns
- Performed routine maintenance- mowing, trimming, refilling dog waste bag dispensers, painting over graffiti, and removal of numerous downed trees
- Re-posted interim trail intersect maps at navigational post
- Removed invasive species- garlic mustard, wild parsnip, autumn olive, and buckthorn.



# Commons Natural Area

- Erosion Repairs



# Commons Natural Area

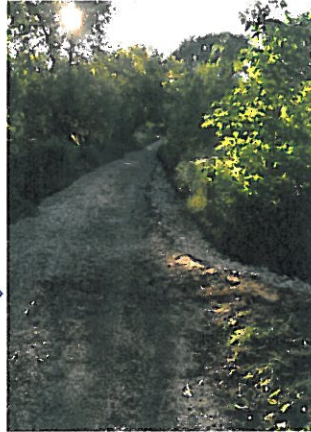


## Garfield Trail Drainage Repairs



Before

After



Before

After



## Commons Natural Area

### Trail Stabilization



# Commons trail stabilization

Retaining wall installed to mitigate erosion concerns on Kid's Creek tributary.



## Cedar Cathedral Boardwalk Extension at the **GT Commons**

To minimize impact on soft organic soils



# GT Commons

## Routine Maintenance

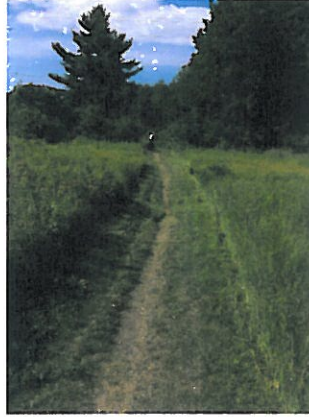


Fencing repairs



Rotation of seasonal signs and dog bag replacements

Mowing along trails



## Trail Clearing at the Commons





### Graffiti at the Commons

- Cover-up areas outside the vicinity of cistern and 'hippy tree'
- Continued follow-up
- Monitored by trail steward
- May need to install cameras to further deter



## Commons Natural Area

### Invasive Species Control Efforts

- Garlic mustard
- Invasive woody shrubs
- Wild parsnip
- Callery pear



Callery Pear Treatment Area at Copper Ridge



# Commons Natural Area Stewardship

## Community and Volunteer Involvement:

- Commons clean-up and trail improvement work bee each spring
- Collaboration with GT County Sherriff Department and Boardman River Clean Sweep in clean-up efforts of illegal homeless camps
- Coordinated trail stewards to monitor trails
- Stewardship outreach with:
  - Greenspire Montessori
  - Human Nature School

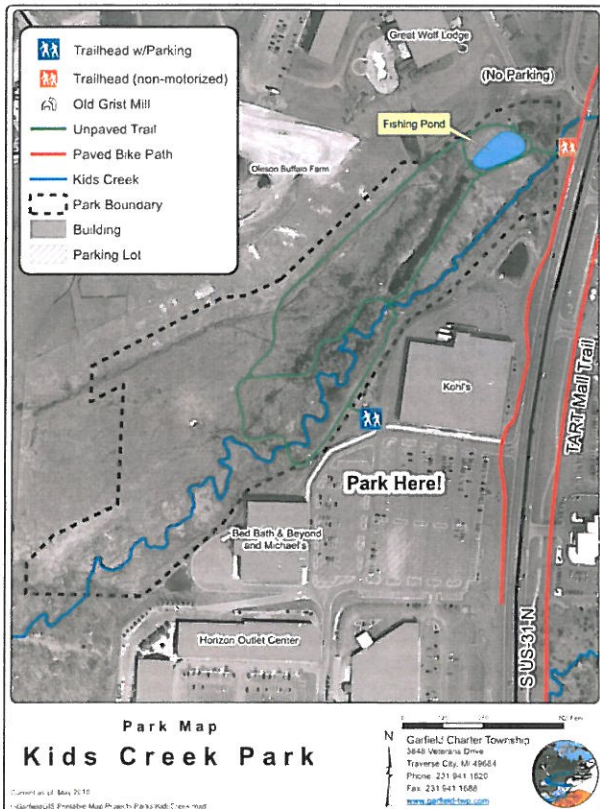


## Commons Clean-up efforts



# Commons Natural Area

Long Lake Road Trailhead rooster  
nicknamed Cheeto by local  
residents in 2018



# Kids Creek Park

- ~20 acres
- ~1.5 miles of trail
- Part of Kohl's/Great Wolf Lodge PUD
- Important Safe Route To School connector and to the new YMCA
- Connector to Buffalo Ridge Trail
- Strong partnership with the Great Wolf Lodge, TART, the Watershed Center, West Middle School, YMCA, and GT Stewardship Initiative



# Kids Creek Park (Former Oleson Buffalo Farm)



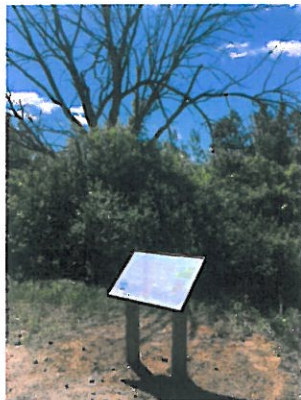
## Kids Creek continued...

### Community and Volunteer Involvement 2018:

- Stocked pond with bluegill and DNR trout
- Collaborated with TC West middle School and GT Stewardship Initiative to informational signs
- Coordinated annual West Middle School Greenagers event
- Planted 300+ seedlings along creek
- Invasive Species Control
  - Phragmites control – ISN
  - Purple loosestrife – bio-control with *Galerucella* beetle
  - Garlic mustard, bull thistle, teasel
  - Woody-shrub treatment



# Greenagers Stewardship Day with TC West Middle School - Kids Creek Park



## Kids Creek Park

### TC West Middle School Signage Project

- Created by 8<sup>th</sup> Grade Students
- Installed at Kids Creek Park by the students
- Funded by GT Stewardship Initiative grant





## Kids Creek Park Stocking of Oleson Pond



## Kids Creek Park

### Removal of aquatic vegetation at Oleson Pond



## Kids Creek Park

- Franke Mill at Oleson Pond
- Slated for demolition in 2019





## Silver Lake Recreation Area

- 84 acres
- 2+ miles of trail
- Dog park
- Pavilions
- Playground
- Active and passive recreation
- Frontage on Silver, Hidden, and Mud Lakes

## Silver Lake Recreation Area Continued

### Work completed in 2018:

- Performed routine maintenance- mowing, trimming, refilling dog waste bag dispensers, and removal of downed trees
- Implemented trail erosion control efforts
- Continued invasive species removal
- Constructed and installed timber benches
- Replaced timber trash surround
- Replaced damaged plexi-glass at info stations
- Installed a tree buffer off E. Silver Lk Rd.



## Silver Lake Recreation Area

Erosion at Lake Street entry



## Silver Lake Recreation Area

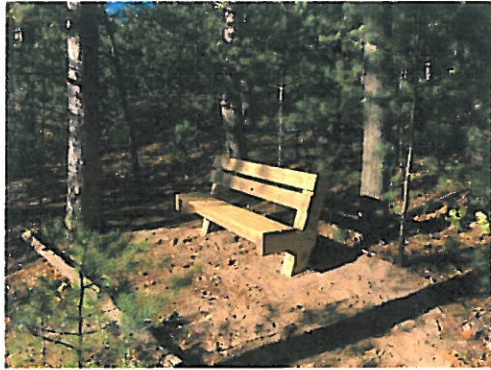
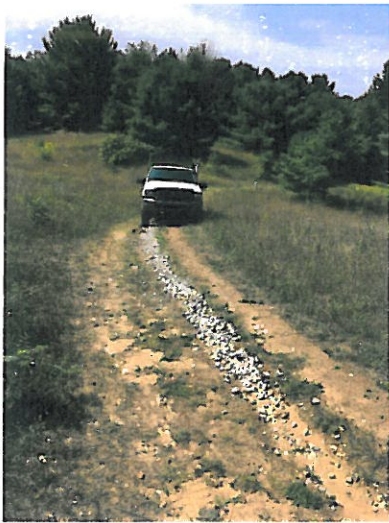
Erosion control efforts at Lake Street Entry

Use of water bars, dips, and aggregate



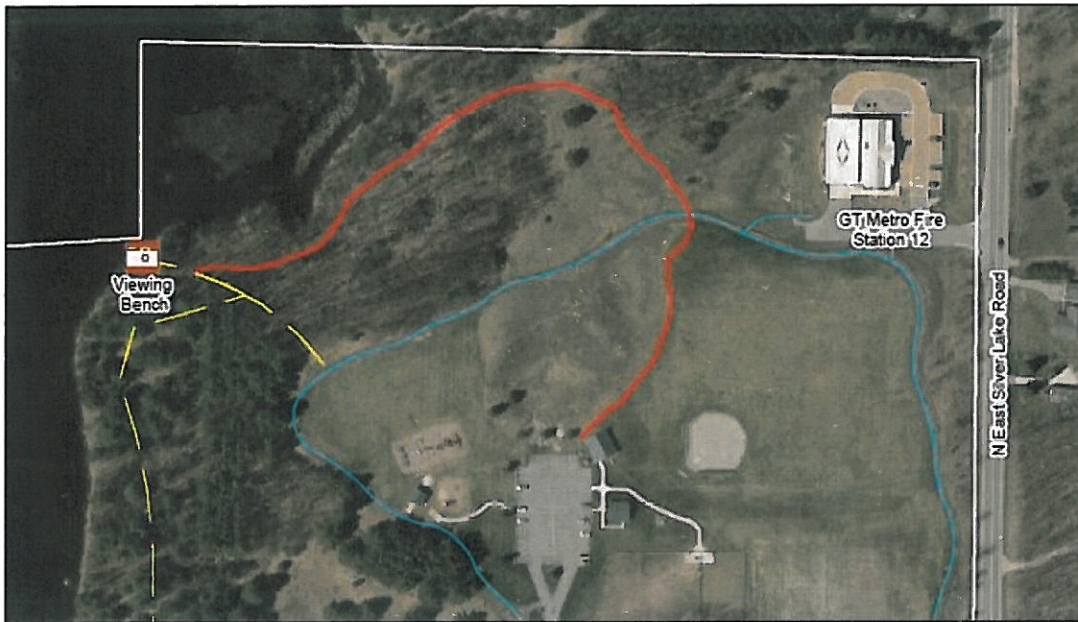
# Silver Lake Recreation Area

## Erosion Control on Hidden Lake Loop Trail



Bench construction and installation at Mud and Hidden Lake – **Silver Lake Rec Area**





### Legend

- Paved Trail
- - - Hiking Trail
- Proposed Hiking Trail

Silver Lake Recreation Area, 1785 N East Silver Lake Road  
T. 27N- R. 11W- Sec. 30  
Tax ID #: 28-05-030-001-00



## Silver Lake Recreation Area

Invasive Species:  
Continued control of  
phragmites and purple  
loosestrife

Bio-control efforts on invasive  
purple loosestrife with the leaf  
defoliating *Galerucella* beetle





# Silver Lake Recreation Area

Cut-stump treatment of invasive black locust with Dan Walters and Youth Works



## Silver Lake Rec Area – 2018 buffer installation



Trash surround replacement at **Silver Lake Rec Area**  
Plan to follow suit with other trash surrounds in 2019



Routine winter snow clearing of trash surrounds to ensure access for users and contracted American Waste disposal – **Silver Lake Rec Area**





## Silver Lake Recreation Area

Winter trail grooming



## Miller Creek Nature Reserve

89 acres  
~4 miles of trail  
Part of Crossings Plan Unit Development (PUD)  
Important East – West, North - South  
Recreational Connector  
Many park improvements and trail connections accomplished  
Strong Partnership with the Arbors of Traverse

# Miller Creek continued...

## Work completed in 2018:

- Planted over 1,500 native tree and shrub species along Miller Creek to restore and stabilize sensitive banks
- Constructed ~ ½ mile of trail reroute to formalize trails
- Chipped/gravel seasonally wet trails
- Replaced bridge railing
- Repaired damaged sections of boardwalk
- Opened new section of boardwalk and viewing platform in NW portion of property
- Treated invasive species
- Performed routine maintenance- mowing, trimming, closing wonder paths, and removal of numerous downed trees
- Coordinated spring clean-up and Earth Day work bee event



## Miller Creek Nature Reserve Proposed Boardwalk Trail - 2016



## Miller Creek Nature Reserve

Boardwalk constructed  
in 2017. Opened in 2018

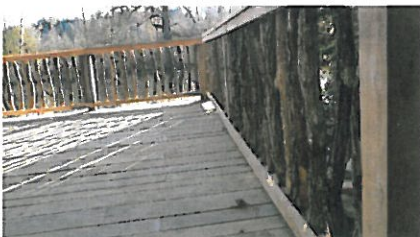
- 1,400 ft by 4 ft (~1/4 mile)
- Connects established trails on west side of park
- Contracted through SEEDS

## Miller Creek Nature Reserve

Miller Creek Boardwalk Construction – 2017  
Contracted SEEDS Youth Corps  
¼ mile boardwalk connector  
Opened for use in 2018



Viewing Platform at **Miller Creek Nature Reserve**  
Constructed 2017  
Seeds Youth Corps  
Black locust timber  
Opened 2018



# Miller Creek Nature Reserve

## Miller Creek Bridge Railing Replacement



# Miller Creek Nature Reserve

Impaction and erosion seen along sensitive banks of Miller Creek due to informal 'social' trail foot traffic. Formalized reroutes have been constructed throughout 2017/18 to promote sustainable use.





## Miller Creek Nature Reserve

Trail reroute and seedling planting to deter foot traffic along sensitive banks of Miller Creek



## Miller Creek Nature Reserve

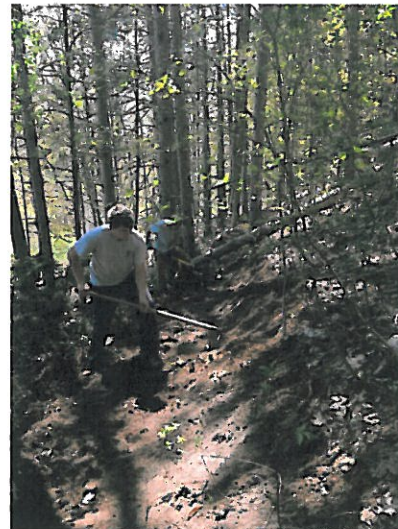
Trail reroute to deter foot traffic along sensitive banks of Miller Creek



Bench trail construction at **Miller Creek Nature Reserve**



Bench trail construction to avoid seasonally wet trail behind  
Cass Road Industrial Complex at **Miller Creek Nature Reserve**





## Miller Creek Nature Reserve

Buffer planting behind Cass Road Industry  
Started in 2017

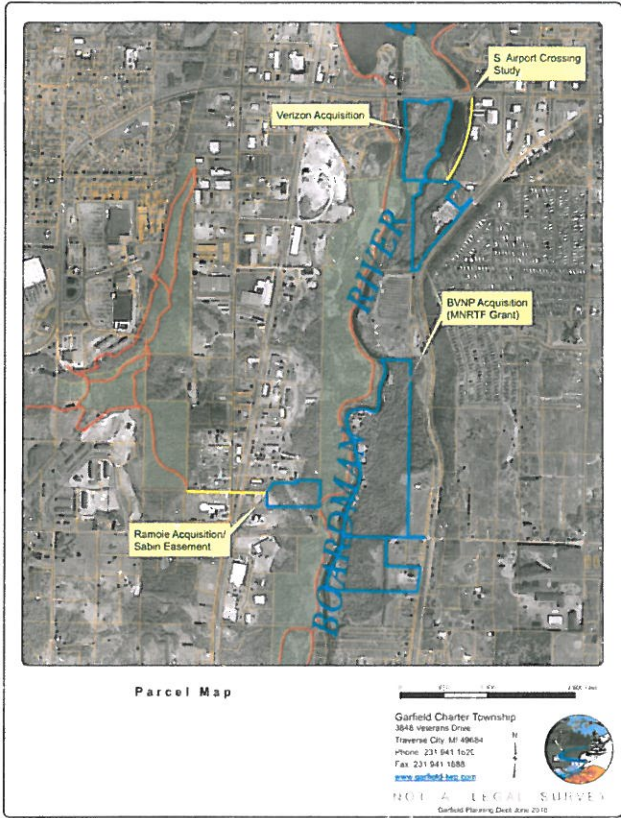


## Miller Creek Nature Reserve

Bench installation at the convergence of two  
branches of Miller Creek

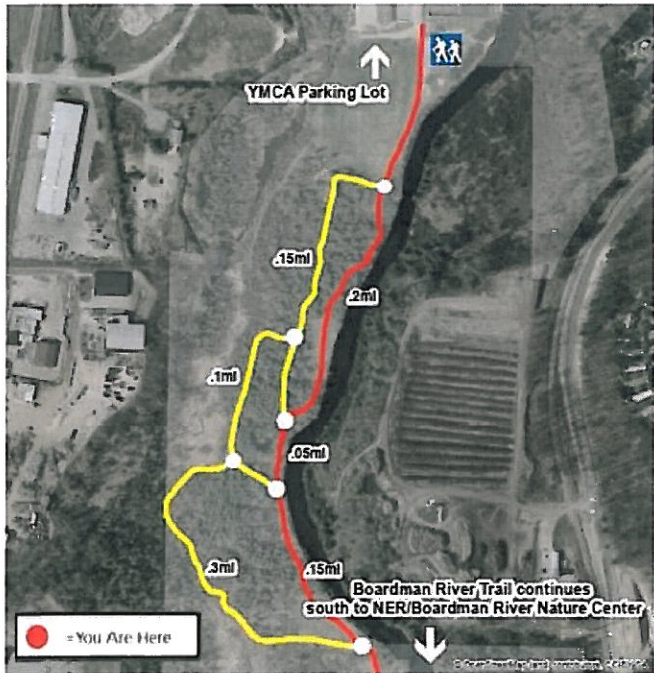


# Boardman Valley Nature Preserve



- 187 acres
- 2 miles of trail
- 1.5 miles of river frontage
- Acquired through MNRTF grant
- Important North – South corridor
- Managed in coordination with the County’s Natural Education Reserve

## Charter Township of Garfield's Boardman Valley Nature Preserve



# Boardman Valley Nature Preserve

Navigational trail maps installed at posted intersects identifying 'loop' trail opportunities.

\*Note: This is a temporary trail map while a more comprehensive trail plan is developed

- Grand Traverse Conservation District
- Boardman Valley Nature Preserve Trails
- Boardman River Trail (Part of NER Trail System)



Railing replacement on fishing/viewing platform at **Boardman Valley Nature Preserve (BVNP)**



Universally Accessible Kayak Launch at **BVNP**





Removal of universally accessible canoe/kayak launch at **BVNP** with Bill Mouser



Clean-up efforts at the Verizon Parcel with Boardman River Clean Sweep





**River East Recreation Area  
Park Development Plan**

Garfield Charter Township  
3045 Veterans Drive  
Traverse City, MI 49781  
Phone: 231.941.1620  
Fax: 231.941.1888  
www.garfieldmi.com

NOT A LEGAL SURVEY

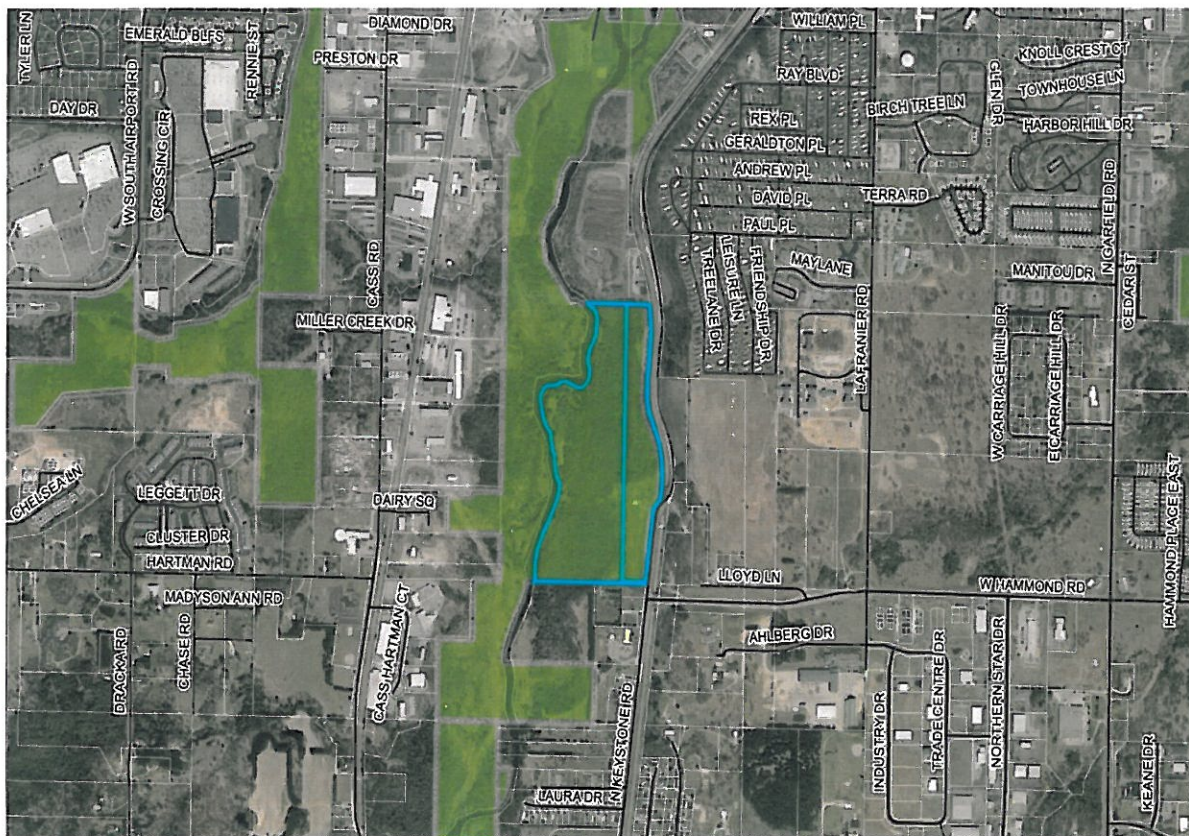
Garfield Township Planning Dept. 10/10/2017

**River East Recreation Area**

(Former Templeton Parcel)

- Acquired with MI Trust Funds in 2014
- Planned for recreational development with access to Boardman River
- Quality habitat along riparian corridor
- Conducted invasive species survey
- Collaborated with Boardman River Clean Sweep in clean-up efforts of homeless camps

**River East Recreation Area in relation to the BVNP and Miller Creek NR**



# River East Recreation Area



Homeless site clean-up



Invasive barberry

Fieldstone fireplace left on-site after demolition of former house



## Native Wildflowers

White turtlehead



Great blue lobelia



**NORTHWEST MICHIGAN  
INVASIVE SPECIES NETWORK**

[www.HabitatMatters.org](http://www.HabitatMatters.org)

- Cooperative Invasive Species Management Area (CISMA)
  - 10 Active Partners, over 30 Supporting Partners
- *Protecting, enhancing, and promoting northwest Michigan's natural communities through terrestrial invasive plant management and outreach.*
- Go Beyond Beauty—voluntary program to remove invasive ornamentals from local nurseries' and landscapers' inventories
- Control—high-priority species in high-quality habitats
  - Japanese knotweed, Oriental bittersweet, garlic mustard, invasive *Phragmites*
  - Early Detection & Response (EDR) species
  - Volunteer Workbees
- Outreach—presentations, resources, education



# Boardman River Clean-Sweep

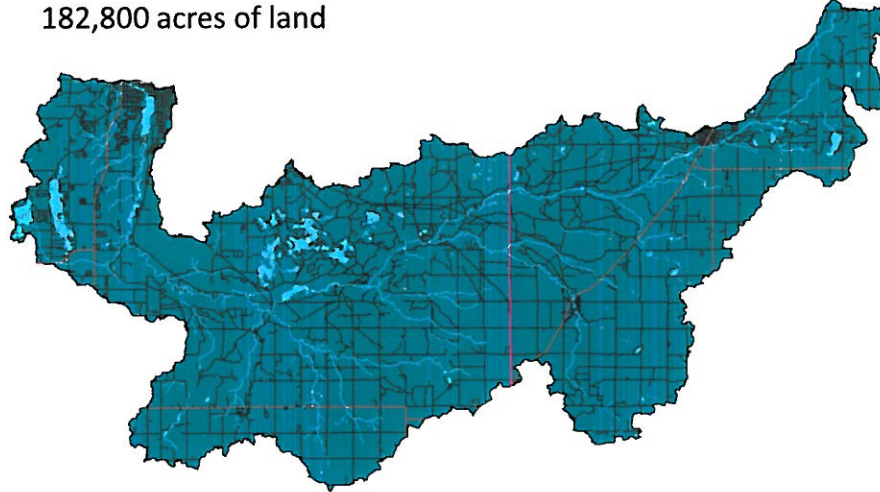


For over 25 years we have been restoring, monitoring, and providing safe, sustainable access to the Boardman River.

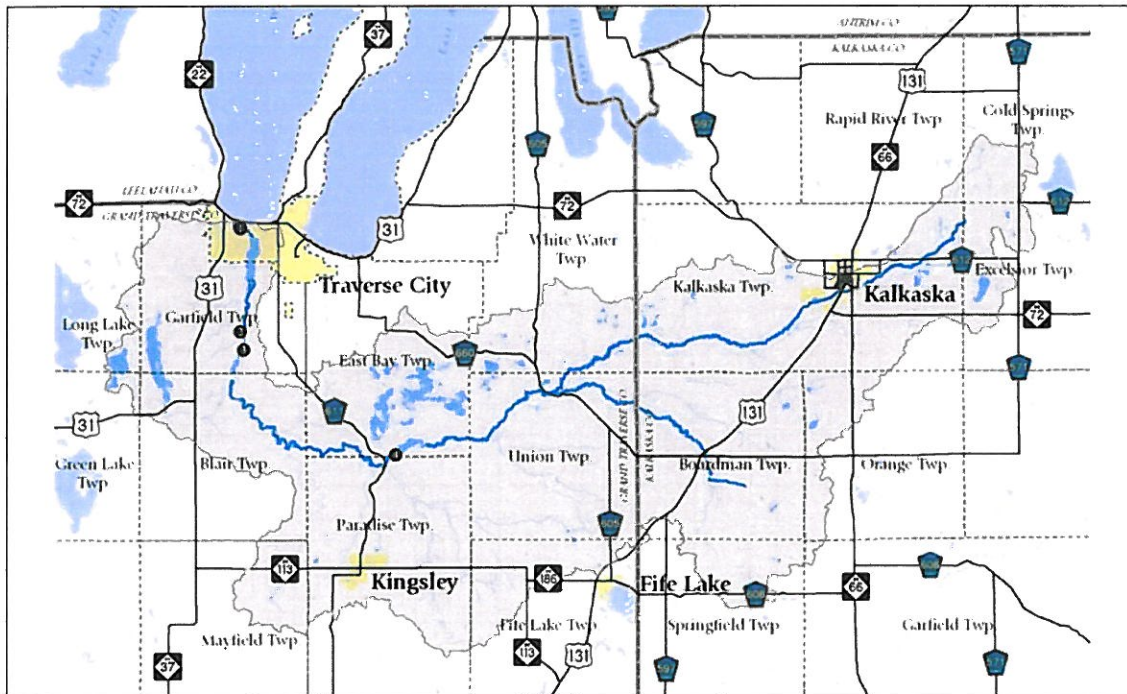


# Boardman River Stewardship

- + Located in Grand Traverse and Kalkaska Counties
- + Includes 179 miles of river and tributary streams
- + Total of 287-square miles in the watershed, producing 1/3 of the water volume of Grand Traverse Bay & draining 182,800 acres of land



## Boardman River Watershed Township Map



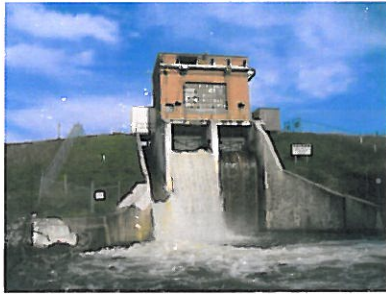


# Boardman River Stewardship



## Boardman Dams

**Brown Bridge**  
Constructed: 1922  
Removed: 2012



**Boardman**  
Constructed: 1894  
Rebuilt: 1931  
Removed: 2017

**Sabin**  
Constructed: 1906  
Rebuilt: 1930  
Removed: 2018



**Union Street**  
Constructed: 1867  
Planned Modification: 2020

# Boardman River Stewardship



A River Reborn: Boardman Dam Removal & River Restoration – 2017/18





# Boardman River Stewardship

In-stream Habitat Wood Project



# Boardman River Stewardship



Save Our Great Lakes (SOGL) Funds  
Collaboration with CRA and AECOM

~\$100,000 to restore eroded bluffs upstream of former Boardman Impoundment in 2018

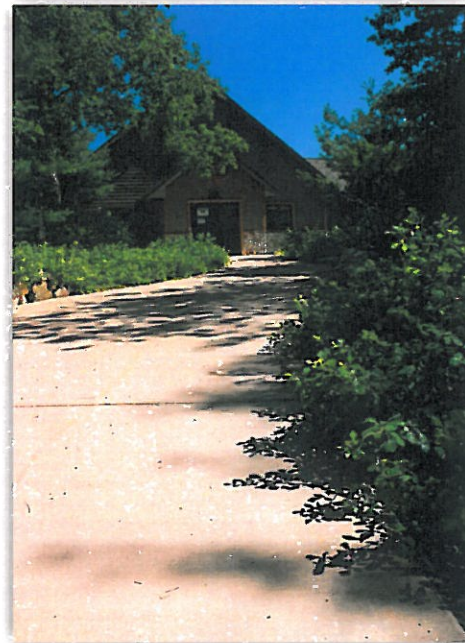




# Boardman River Nature Center



The Nature Center is an interpretive nature gallery aimed to educate and inspire visitors. Built in 2008 by the community, for the community, as a place to expand learning outside of the classroom and encourage children (and adults) to experience the outdoors.



# Boardman River Nature Center

- 📖 Educational Programs
- 📅 Community Events
- 👤 Hands-on exhibits
- 📚 Naturalist Library
- 📦 Discovery Packs
- 🛒 Nature Store



# Grand Traverse Conservation District



*Inspiring exploration,  
appreciation, &  
conservation of our  
natural world.*

**THANK YOU!!**



**Grand Traverse Conservation District**  
**February 2019 Report**

**5. b.**

**CONSERVATION TEAM**

**OWNER/PARKLAND: City of Traverse City – Brown Bridge Quiet Area**

**Administration**

- Continued reorganizing and updating Brown Bridge Quiet Area Management Plan
- Attended East Bay Township Board of Trustees meeting where the Rules and Intergovernmental Agreement for enforcement of those rules were approved.

**Routine Monitoring and Maintenance**

- Performed routine trailhead/parking lot inspections to refill dog waste bags and pick up trash
- Cleaned and restocked vault-toilets at BBQA parking lots
- Cleared trailhead parking lots of snow
- Cleared trails of fallen trees with chainsaws
- Shoveled main pole barn roof of deep snow

**Grants**

- Took further steps with the GT Band on an Environmental Quality Incentive Program (EQIP) funding to augment an US Fish and Wildlife Service grant for Phase-II wood in the new river at Brown Bridge

**Other**

- Brown's Bridge (aka west-end footbridge): coordinated the on-site delivery of the 90' pedestrian bridge
- Poured footing for Brown's Bridge and constructed associated abutments using 4"x4' treated lumber to be poured,
- Received lumber bids for bridge approaches
- Held a Winter Guided Hike along the trails with 14 attendees
- Created draft trail-intersect maps to be installed along the trails this season
- Posted the vacancy announcement for a seasonal Parkland Technician position to assist with management of Brown Bridge Quiet Area
- Coordinated Grand Traverse Garage Door on the remaining installation needs of the six new bay doors installed on the south and east pole barns
- Began process of equipment and vehicle purchases for parkland projects in field season
- Solicited and approved bids for treated round posts for cedar fence replacement at Brown Bridge Quiet Area

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**OWNER/PARKLAND: Garfield Township – Various**

**Administration**

- Compiled the 2018 annual report for Garfield parks with photo documentation through a PowerPoint presentation
- Planned for upcoming field season projects

### **Routine Monitoring and Maintenance**

- Performed routine trailhead/parking lot inspections to refill dog waste bags and pick up trash at all Garfield parks
- Cleared trails of downed trees and branches by chainsaw from winter storm and wind events, primarily at the Commons Natural Area
- Replaced ripped laminated trail intersect map by the cistern at the Commons Natural Area
- Provided routine walk-throughs of the Silver Lake dog park to refill dog bag dispensers and change trash receptacle
- Monitored Silver Lake trail grooming efforts
- Monitored snow plowing activities along property boundary of Kids Creek Park and Great Wolf Lodge to ensure water resources are not being impacted
- Cleared snow plowed piles away from trailhead entries and trash receptacles to facilitate user access and contracted trash removal

### **Other**

- Collaborated with TC West Middle School and GT Stewardship Initiative in development of a planned planting project at Kids Creek Park in consideration of tree diseases, climate change and species migration northward
- Discussed potential stewardship projects opportunities at the Commons with Greenspire School.
- Solicited and approved bids for treated round posts for cedar fence replacement at District managed Garfield parks

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## **OWNER/PARKLAND: Grand Traverse County – Natural Education Reserve**

### **Administration**

- Sought means of collecting public input in the naming of the new landing within Boardman bottomlands just upstream of Robbins Bridge off Cass Road
- Began reformatting and updating NER Management Plan
- Continued communications with NER Advisory Committee

### **Routine Monitoring and Maintenance**

- Provided routine parking lot and trailhead inspections to refill dog bag dispensers and pick-up trash
- Cleared snow piles at trailheads and in front of trash receptacles to maintain accessibility for park users and contracted waste removal
- Cleared trails of downed trees and woody debris following winter storms
- Checked on beaver activity seen downstream from Keystone Rapids Trailhead

### **Grants**

- Environmental Quality Incentives Program: solicited planting crews and reached out to dams removal project partners (IT to coordinate planting efforts).
- Great Lakes Restoration Initiative: Obtained plant order quotes and solicited planting contractors.



**Other**

- Led a community winter snowshoe hike on February 2<sup>nd</sup> along Sabin and Boardman Bottomlands to discuss the dam removal and river restoration project while promoting recreational opportunities along the County's Natural Education Reserve
  - Solicited and approved bids for treated round posts for cedar fence replacement at the Natural Education Reserve
  - Met with NMC Construction & Technology administration staff to determine if their class could build an outhouse building for the new landing at the NER.
- 

**OWNER/PARKLAND: Recreational Authority – Hickory Meadows**

**Administration**

- Attended and prepared the draft agenda for the monthly Hickory Meadows Advisory Committee (HMAC) meeting
- Attended and provided updates at the monthly Rec Authority Board meeting
- Provided an updated budget tracking sheet for 2018/19 fiscal year
- Began draft workplan and budget for 2019/20 fiscal year
- Submitted site determination form for GT County Soil Erosion Permit to construct proposed loop trail from the M-72 trailhead at Hickory Meadows
- Mailed user surveys collected from trailheads to Cathlyn Sommerfield, CS Research and Consulting, for data input and analysis
- Continued seeking sources for native trees and shrubs for planned buffer installation in spring

**Routine Monitoring and Maintenance**

- Monitored trailheads and parking areas weekly to replace dog waste bags, ensure safe access, and collect litter
- Downloaded and analyzed trail counter data at the three formalized trailheads at Hickory Meadows
- Continued to monitor grooming efforts and reposted winter trail etiquette signage as necessary
- Continued to supply, collect, and record user surveys at main trailheads regularly
- Downloaded and analyzed trail counter data at trailheads

**Grants**

- Sought tree purchases for scheduled planting buffer along the property boundary of Hickory Hills and Meadows in fulfillment of awarded funds from DTE tree planting grant

**Other**

- Reached out to City staff on plans for buffer installation in spring
  - Prepared necessary maps of M-72 trail proposal for GT County Soil Erosion Department
  - Cut and cleared white pine obstructing trail groomer access along trail parallel to Randolph St.
  - Solicited and approved bids for treated round posts for cedar fence replacement at Hickory Meadows
  - Scheduled volunteer day with Pathfinder School in March to install student constructed bird nest boxes
-



**OWNER/PARKLAND: Rotary Camps & Services – East Creek Reserve & Canterbury Woods**

**Administration**

- Presented John Noonan with a draft work plan and budget for the ECR.

**Routine Monitoring and Maintenance**

- Checked trailheads as needed to clean up litter and monitor parkland use

**Grants**

- Continued to monitor appropriate grant opportunities

**Other**

- Solicited and approved bids for treated round posts for cedar fence replacement at Rotary's East Creek Reserve

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**BOARDMAN RIVER STEWARDSHIP**

- Stopped at Kids Creek restoration sites to document where snow was being plowed directly into the creek. Will approach the property owners asking if they are willing to implement an alternative snow removal plan.
- Prepared a letter of support for Grand Traverse Band's Phase-II Environmental Quality Incentive Program (EQIP) funds for the Phase-II wood project in the Boardman within the Brown Bridge Quiet Area.
- Assisted with the Memorandum of Agreement between the City of TC, the Grand Traverse Band, and the Grand Traverse Conservation District for the EQIP funds and project implementation
- Prepared and submitted Boardman River Clean Sweep grant proposal for the 15<sup>th</sup> annual clean-up
- Attended a Grand Traverse Bay Watershed Protection Plan update meeting
- Attended a FishPass open house and public comment session
- Prepared an article for the National Association of Conservation District newsletter regarding the Conservation District's role (bottomlands restoration & public access) in the dam removal process
- Assisted the Adams Chapter of Trout Unlimited with a fly-tying event held at the Boardman River Nature Center. Over 30 attended the event

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**ENVIRONMENTAL EDUCATION**

**Nature Center Visitation this Month: 217**  
**Program Participants this month: 149**  
**Drop ins this month: 68**  
**Nature Center Visitation this year: 360**

**Nature Center Visitation Feb 2018: 352**  
**Program Participants Feb 2018: 286**  
**Drop-in Feb 2018: 66**  
**Nature Center Visitation since 2008: 85,982**



**Program Participation & Program Planning:**

- Opened Nature Day Camp registration to previous attendees only. Generated \$28,000 in registration fees the first four days of registration. In 2018 we generated \$10,800 in registration fees the first four days of open registration. Registration opens to the public on March 4<sup>th</sup>.
- Education Specialist, Rachel Straughen, started mid-February. Training and orientation completed the first week. This is the first time that the GTCD has had two full time education staff.
- Finished 2019 calendar of events. The Nature Center will have extended and Saturday hours in the spring/summer. Over 10 new programs were added to the calendar.
- 45 preschoolers and their families attended nature based preschool programs at the Boardman River Nature Center.
- Opened six seasonal education positions to work in the Nature Day Camp program. Position closes on March 11th.

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**FORESTRY ASSISTANCE PROGRAM (FAP)**

**Trainings:** Hemlock Wooley Adelgid  
Webinar on Forest Carbon and Climate Change, 1.0 CFE  
County Computer Safety Training

**On-Site Visits:**  
Grand Traverse County  
1. Slade, 3 acs., Long Lake Twp.

**Written Forest Management Recommendations:** 0 **QFP Verifications:** 0 **MAEAP/FWH Verifications:** 0

**FAP Referrals to Private Sector:** 1 **FAP Referrals to Public Sector:** 2

**In-office Contacts:** landowners **Follow-up Contacts:** landowners/qualified foresters

**FAP Promotion/Program Development:**

1. American Chestnut Presentation with Dr. Carmen Medina Mora (70 in attendance), recorded Naturechange interview
2. Presentation at HWA training (45 in attendance)
3. GIS mapping updates
4. Monthly FAP Conference Call
5. Second Firewise meeting with NPS, Cedar Fire & Rescue, Jed Jaworski, \$500 grant for Preparedness Day submitted, May 4<sup>th</sup>, 10:00 am to 2:00 pm
6. Meeting with Paul May re: biochar promotion opportunities

**MICHIGAN AGRICULTURE ENVIRONMENTAL ASSURANCE PROGRAM (MAEAP)**

**Farm Visits: 2 (Antrim/Grand Traverse), 2 (Benzie/Leelanau)**

**Risk Assessments Completed: 2 (Antrim/Grand Traverse), 4 (Benzie/Leelanau)**

**Farms Verified: 0**

**Updates:**

- 2/5: A&L Great Lakes Laboratories Soil Fertility Workshop
- 2/12-2/14: Tree Fruit Management School (Phase 1 Presentation)
- 2/20: Food and Farming Network Annual Summit
- 2/20: Local, Regenerative Food Systems Working Group

**Current Projects:**

- Working with:
  - 11 Farms in Antrim
  - 22 Farms in Grand Traverse
  - 14 Farms in Leelanau
  - 7 Farms in Benzie
- Promoting 2019 cost-share opportunities to producers in our four counties.
- Assisting producers in utilizing the MAEAP-fund code for NRCS EQIP applications
- Working on reverifying MAEAP farms for 2019.
- Planning and promoting 2019 agrichemical container recycling collections.
- Serving on Freshwater Roundtable to plan 2019 Freshwater Summit.
- Researching options for pesticide/fertilizer cardboard and silage bag recycling

**Upcoming Events:**

- 2/28-3/2: Great Lakes Hop and Barley Conference (Phase 1)
- 2/28-3/1: Christmas tree Conference (Phase 1)
- 3/1: Water Fundamentals and Well Closure Training
- 3/5: Pollinator Habitat Meeting
- 3/5: Benzie-Manistee Farm Bureau Board Meeting
- 3/5: Leelanau Conservation District Board Meeting
- 3/7: Antrim County Reverification
- 3/7: Grand Traverse County Reverification
- 3/8: Freshwater Roundtable Meeting
- 3/15: Winter Produce Safety Training
- 3/20: Leelanau Conservation District Forest, Wetland, Habitat Phase 1
- 3/21: MAEAP 5000<sup>th</sup> Verification Celebration
- 3/25: Northwest Michigan County Farm Bureau Board Meeting

## NORTHWEST MICHIGAN INVASIVE SPECIES NETWORK (ISN)

**Public Inquiry Responses: 40**

**Active Contacts: 109**

**Passive Contacts: 35,866**

**Acres Surveyed: 1,148.5**

**Sites Surveyed: 29**

**Acres Treated: 0**

**Sites Treated: 0**

**Volunteer Hours: 0**

**Volunteers: 0**

### **Meetings/Presentations:**

- 1/3 - "Attended" monthly Play Clean Go (PCG) outreach check-in call
- 2/12 - Attended & reported at GT Bay Steering Committee meeting; 15 attendees
- 2/12 - Met with Grand Traverse Regional Land Conservancy re: easement contacts
- 2/13 - "Attended" & reported at MIPN Board Meeting call; 8 contacts
- 2/19 - "Attended" & participated in PCG Advisory Board call
- 2/21 - Hosted Partner Hemlock Woolly Adelgid training at BRNC; 35 attendees
- 2/25-3/1 - National Invasive Species Awareness Week!

### **Treatments, Restoration, and Surveys:**

- Hemlock Woolly Adelgid surveys: 954 acres, 23 sites

### **Other Accomplishments:**

- [HWA article in TC Record Eagle: 20,000 impressions](#)
- Submitted Sustain Our Great Lakes 2019 proposal
- Submitted US Forest Service Great Lakes Restoration Initiative CWMA 2019 proposal
- Facebook reach: 9,400
- Website reach: 4,735
- Instagram reach: 1,731
- January 2018 eNews: 435 opens

### **Upcoming Events:**

- [Spring Go Beyond Beauty meeting: April 3](#)
- ISN Partner Meeting: April 11, 1pm, Boardman River Nature Center
- Additional ISN events scheduled: [www.habitatmatters.org/eventsworkbees](http://www.habitatmatters.org/eventsworkbees)

<b>Acronyms and Abbreviations</b>
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AECOM	Boardman River Dams Project Engineers
BBAC	Brown Bridge Advisory Committee
BRNC	Boardman River Nature Center
CRA	Conservation Resource Alliance
DDA	Downtown Development Authority
DNR	Department of Natural Resources
ECR	East Creek Reserve
EPA	Environmental Protection Agency
EQIP	Environmental Quality Incentive Program
GBB	Go Beyond Beauty
GIS	Geographic Information System
GLRI	Great Lakes Restoration Initiative
GM	Garlic mustard
GTCD	Grand Traverse Conservation District
HMAC	Hickory Meadows Advisory Committee
ISN	Invasive Species Network
JB	Japanese barberry
MACD	Michigan Association of Conservation Districts
MAEAP	Michigan Agriculture Environmental Assurance Program
MDARD	Michigan Department of Agriculture & Rural Development
MISC	Michigan Invasive Species Coalition
MNLA	Michigan Nursery & Landscape Association
NER	Natural Education Reserve
NMC	Northwestern Michigan College
NRCS	Natural Resources Conservation Service
NWMFFN	Northwest Michigan Food and Farming Network
NWISN	Northwest Michigan Invasive Species Network
OB	Oriental Bittersweet
USFWS	United State Fish & Wildlife Service
SEEDS	501(c)3 nonprofit organization
SFP	Safe Food Program
Tx	Treatment

**From:** Grand Traverse Conservation District [<mailto:sgawel@gtcd.org>]

**Sent:** Wednesday, March 06, 2019 6:37 PM

**To:** Chuck Korn

**Subject:** Grand Traverse Conservation District + March eNewsletter

# Grand Traverse Conservation District eNewsletter

March 2019

## Quick Links

Website  
Volunteer  
Donate  
Become a Friend

## What We Do

Discover  
Cultivate  
Explore  
Upcoming Events

## Discover



### Welcome to Ms. Rachel!

Ms. Rachel is our new Education Specialist at the Boardman River Nature Center. She is excited to be planning, hosting, and creating nature-themed activities for the community as well as making the Boardman River Nature Center exhibits the best they can be. Ms.

Rachel comes to us with a degree in Wildlife Ecology and

Management from Michigan Technological University and has a strong passion for teaching all ages about nature. We cannot wait to share with you what we have planned for this year and Ms. Rachel cannot wait to meet you!



## Nature Day Camp Update

Registration is now OPEN for our 2019 Nature Day Camp! Visit our website [by clicking here](#) to check out the camp schedule, how to prepare for camp, and to register for camp. If you have any questions, please contact Education Director Taryn Carew at [tcarew@gtcd.org](mailto:tcarew@gtcd.org) or 231-941-0960 x 24.

## Cultivate



## Early Spring Garden Planning and Preparation

Does all this snow have you dreaming about your summer garden? Ahhh - the birds chirping, the teeming buzz of busy pollinators, the thought of lush green, growing vegetables and herbs. Fear not, although it may not look like it now, Spring is just around the corner! Which means, before long, your garden will be ready to prepare and plant. One of the biggest mistakes a home gardener makes is poorly planning and preparing for their garden until, suddenly - it's late spring and they're weeks

behind on the necessary pre-garden legwork. The most important considerations this time of year are: reviewing your garden plan from last year, re-imagining your garden for the coming year, and then setting realistic timelines and goals to accomplish a successful season.

Firstly, look back on notes and sketches you had for your plots last year. What did you plant and where? How well did they do there? What plants complimented each other well? What plants seemed to be detrimental to each other? What were your resources concerns: water, sun, soil health? What seeds or seed-starts did well and where did you source them from? Was anything planted too early? Too late? These are just some examples of questions to think about to help you review your previous year's success.

After fully assessing your previous growing year, it's time to ponder what you want to do with your space this year. There are many important things to consider when creating your garden plan. Firstly, consider your soil. Soil health is the measure of a good garden. It is crucial to "build" your soil year-after-year and encourage the production and storage of: carbon, microbes, nutrients, bacteria, mycelium, etc. When planning for your garden this year, consider not removing your dead plant material from the previous year, but rather "chopping and dropping" the material right onto the garden. Not only will this help serve as a mulch to protect your soil, but eventually will break down and add carbon and water storing capacity as well. Likewise, after identifying your previous year's planting location: consider rotating your vegetables from the previous year. With that, you will also want to be mindful of your companion planting. Certain herbs and vegetables benefit from being planted next to each other - some the opposite. Do your research early and learn about what plants fair best together and why.

As mentioned earlier...soil is everything! Try and learn what kind of soil you have. Is it sandy and acidic? Clay-heavy with poor permeability? Consider looking at a "soil texture triangle" and learning about different soil types and characteristics when you're sipping your morning coffee sighing at the sight of more snow. It's also a good idea to consider your soil nutrients. Other than water and sun, plants require certain nutrients to produce well. The three most important nutrients are: Nitrogen, Phosphorus, and Potassium. Additionally, some good supplementary nutrients are: Calcium, Sulphur, and Magnesium. Perhaps, this year you may consider getting your soil tested. Sometimes you may not need as many inputs as you think you did or you may be considerably deficient in a particular nutrient.

Next, consider how you are going to add nutrients and soil structure to your soil



and where you will source these. Do some research and find out where you can get locally produced or provided: compost, compost tea, peat moss, bone meal, etc. Also, consider trying to "close some loops" this coming year by creating your own compost on site! There are many other ways to improve the fertility of your soil, including: mulching, early spring and fall cover-cropping, incorporating natives, inoculating mycelium, and many more!

Apart from planning for your soil, now is also a good time to consider the sun and water restrictions you have been up against and some potential ways to remedy those. For example, you may consider some light spring pruning/thinning of some nearby trees to allow more light onto your garden. Lastly, when planning your garden - think about what plants you will be incorporating into your garden and how. Will you be starting some seeds indoors in preparation for early planting after last frost? Will you direct-sow some seeds? Will you be sourcing seedlings and seed-starts locally? What kind of varieties are best suited for your climate and growing season? These are all important considerations.

To bring it all together, create a time-line for yourself. If you must, write some important chores on your calendar - "Start tomato seeds today." In addition to your timeline, consider writing down some goals and aspirations for your growing season. Maybe you had a good season last year but could do better this year with successive planting. Make that a goal! Lastly, have fun with the planning and remember no matter how much planning you do -there are always going to be factors that will disrupt your plan. That's okay! Embrace the unforeseen, the failures, and the missteps - there's always next year.

## Explore

### Volunteerism at our Parklands

Do you enjoy hiking, snowshoeing, skiing, bird watching, or otherwise just being out on one of our many beautiful parkland trails? How about supporting local conservation and outdoor recreation efforts? If you answered yes to these questions, we encourage you to join our **Trail Steward Program!**





Our Volunteer Trail Stewards serve a vital part of the District's mission to *inspire exploration, appreciation, and conservation of our natural world*. This is accomplished by ensuring our parkland visitors have access to safe and enjoyable trail systems throughout the 3,000 acres of District managed land. The role of a

Volunteer Trail Steward is to assist the District by hiking our parklands at their leisure and reporting 'on the ground' information such as downed trees, vandalism, suspicious activity, damaged trail structures, etc. This information allows us to address the needs and priorities of the parklands in a timelier manner. Click [here](#) for more information on the program and learn how to submit a Trail Report Form. Regardless of your interest in the Trail Steward Program, you can always provide us with your thoughts and concerns by e-mail to our Parklands staff at [trails@gtcd.org](mailto:trails@gtcd.org).

Also, don't forget to periodically check out our [events page on our website](#) for volunteer opportunities that either our partners and/or ourselves will be hosting throughout the spring! We'll be planting trees, brushing trails, removing invasive plants, and more! We can't wait to see you out there.

Happy trails!



## GTCD is Hiring!

Become apart of the GTCD Team! We have several openings in our office right now:

- Parkland Technician
- Invasive Species Network  
Seasonal Crew Members
- Nature Day Camp Specialist
- Nature Day Camp Assistant
- Nature Day Camp Coordinator



To view the job descriptions for each of the positions above and to apply, visit our website by clicking here today!

## Nature Center Events



Every month, the Boardman River Nature Center plays host to an array of exciting education and conservation themed programs. From birding excursions to native habitat restoration to our annual Seedling & Native Plant Sales, there's something for everyone at the Nature Center. [View Upcoming Events.](#)

### Upcoming Events:

#### **Peepers Preschool Program**

**When:** Every Tuesday from 10:00-11:30am

Tuesday, March 12th - Busy Beavers

Tuesday, March 19th - The Busy Tree

Tuesday, March 26th - Spring Celebration

\*Spring Break Bonus: Thursday, March 28th - Flower Power\*

Tuesday, April 2nd - Stinky Smelly Skunk

**Where:** Boardman River Nature Center, 1450 Cass Road, Traverse City, MI 49685

**Age:** 3-5 accompanied by an adult

**Registration:** [Click here to register!](#)

**Price:** \$5.00 per child

**Description:** The Peepers Preschool Program is specifically developed for children ages 3-5. All children must be accompanied by an adult for the duration of each

session. These 90-minute nature programs include stories, crafts, music and discovery activities. Each program ends with an outside portion that will vary between short exploratory hike, a game or engaging play (i.e. sand/water table, digging, etc.) to bring the lesson to life.

### **Hands-on Pruning Demonstration with Fritz Girrbach of Brothers Tree Service**

**When:** Saturday, March 23rd, from 10:00-12:00pm

**Where:** Boardman River Nature Center, 1450 Cass Road, Traverse City, MI 49685

**Registration:** RSVPs are required! Please contact Kama Ross at [kama.ross@macd.org](mailto:kama.ross@macd.org) or 231-256-9783 to register or for more information.

**Price:** \$5.00 per person

**Description:** Before the trees leave dormancy, learn how to do corrective pruning on all types of trees and shrubs!

### **Spring Break Series**

**When:** Tuesday, March 26th, through Friday, March 29th, from 1:00-2:00pm

Tuesday, March 26th - Natural Explorers

Wednesday, March 27th - Habitat Hunters

Thursday, March 28th - Animal Adventures

Friday, March 29th - Wetland Explorers

**Where:** Boardman River Nature Center, 1450 Cass Road, Traverse City, MI 49685

**Registration:** Please contact Taryn Carew at [tcarew@gtcd.org](mailto:tcarew@gtcd.org) or 231-941-0960 x 24 to register or for more information.

**Price:** TBD

**Description:** Join us for a week of spring break fun with themed daily activities from 1:00-2:00pm! During Spring Break, be sure to visit the Nature Center - open Tuesday-Friday from 10:00-4:00pm.

### **Family Night at the Nature Center**

**When:** Friday, March 29th, from 6:00-7:00pm

**Where:** Boardman River Nature Center, 1450 Cass Road, Traverse City, MI 49685

**Registration:** Please contact Taryn Carew at [tcarew@gtcd.org](mailto:tcarew@gtcd.org) or 231-941-0960 x 24 to register or for more information.

**Description:** All ages are welcome to attend our Family Night at the Nature Center! Join us for a free hike and a campfire!

For more information and registration visit [natureiscalling.org](http://natureiscalling.org).

*Inspiring exploration, appreciation, & conservation of our natural world*

**231.941.0960 // [natureiscalling.org](http://natureiscalling.org)**

6. b.

# Clerk's Report

For February 28, 2019

Submitted 3/06/19

To The Garfield Township Board;

On the following pages you will find a copy of the Revenue and Expenditure Report. This Report is an informational report that gives you an overview of what has happened in that particular month, along with what has happened for the whole year. It also compares what has happened for the year with the Budget and gives you a final figure of what is left in that budgeted line item. The Budget is a tool to go by for that year. Nothing is guaranteed in the Budget, it is your best estimate. The Township's Budget is also a Cost Center Budget not a Line Item Budget, which means that what is important is the final figure. Some line items may run over as long as the final cost center total is not over. On this Report you will find the following captions on the top: Original and Amended Budget, Annual and Current Month, and finally Balance.

For the month of February in the General Fund, you will find that we had a total of \$1,143,574.30 Revenues and \$134,121.26 Expenditures. For the year we have a total of \$2,356,336.33 Revenues and 410,711.21 Expenditures.

If you have any questions or would like further clarification please feel free to contact me at: 231-941-1620.

Lanie McManus

Township Clerk

GL NUMBER	DESCRIPTION	2019		YTD BALANCE 02/28/2019	ACTIVITY FOR MONTH 02/28/2019	AVAILABLE BALANCE
		ORIGINAL BUDGET	AMENDED BUDGET			
<b>Fund 101 - GENERAL OPERATING FUND</b>						
<b>Revenues</b>						
<b>Dept 000</b>						
101-000-403.000	CURRENT REAL PROPERTY TAXES	1,800,000.00	1,800,000.00	1,981,132.43	827,341.81	(181,132.43)
101-000-407.000	DEL PERSONAL PROP TAXES	500.00	500.00	0.00	0.00	500.00
101-000-412.000	SWAMP TAX COLLECTIONS	80.00	80.00	0.00	0.00	80.00
101-000-414.000	Protested R/E Interest	500.00	500.00	0.00	0.00	500.00
101-000-423.000	TRAILER PARK FEES	8,000.00	8,000.00	1,432.00	723.00	6,568.00
101-000-445.000	PENALTIES & INT. ON TAXES	4,000.00	4,000.00	0.00	0.00	4,000.00
101-000-476.000	BUILDING PERMITS	220,000.00	220,000.00	19,159.00	4,676.00	200,841.00
101-000-476.001	PLANNING FEES	7,500.00	7,500.00	950.00	850.00	6,550.00
101-000-476.002	MAINT INSPECTION FEES	800.00	800.00	0.00	0.00	800.00
101-000-476.003	TREASURER FEES	500.00	500.00	0.00	0.00	500.00
101-000-476.004	PARK USE FEES	0.00	0.00	300.00	80.00	(300.00)
101-000-476.005	ZONING FEES	22,000.00	22,000.00	1,700.00	1,100.00	20,300.00
101-000-574.000	STATE SHARED REVENUE	1,300,000.00	1,300,000.00	231,217.00	231,217.00	1,068,783.00
101-000-574.001	STATE SHARED REV. - LIQUOR LA	20,000.00	20,000.00	0.00	0.00	20,000.00
101-000-575.000	Road Right of Way	20,000.00	20,000.00	0.00	0.00	20,000.00
101-000-612.000	CHARGES FOR TOWNSHIP SERVICES	5,000.00	5,000.00	674.77	146.01	4,325.23
101-000-627.000	TAX COLLECTION FEES	22,000.00	22,000.00	0.00	0.00	22,000.00
101-000-656.000	Ordinance Enforcement Fees	1,000.00	1,000.00	166.67	166.67	833.33
101-000-664.000	EARNED INTEREST	20,000.00	20,000.00	182.41	0.00	19,817.59
101-000-668.002	RENTS & ROYALTIES CABLE VIS	265,000.00	265,000.00	70,569.69	70,569.69	194,430.31
101-000-668.003	RENTS & ROYALTIES CABLE EQUIP	17,000.00	17,000.00	6,704.12	6,704.12	10,295.88
101-000-676.000	REIMBURSEMENTS	0.00	0.00	42,148.24	0.00	(42,148.24)
101-000-676.001	Reimbursed Treasurer Legal Fees	600.00	600.00	0.00	0.00	600.00
<b>Total Dept 000</b>		<b>3,734,480.00</b>	<b>3,734,480.00</b>	<b>2,356,336.33</b>	<b>1,143,574.30</b>	<b>1,378,143.67</b>
<b>TOTAL REVENUES</b>		<b>3,734,480.00</b>	<b>3,734,480.00</b>	<b>2,356,336.33</b>	<b>1,143,574.30</b>	<b>1,378,143.67</b>
<b>Fund 101 - GENERAL OPERATING FUND:</b>						
<b>TOTAL REVENUES</b>		<b>3,734,480.00</b>	<b>3,734,480.00</b>	<b>2,356,336.33</b>	<b>1,143,574.30</b>	<b>1,378,143.67</b>



PERIOD END: /28/2019

2019

ACTIVITY FOR MONTH

YTD BALANCE 02/28/2019

2019 ORIGINAL BUDGET AMENDED BUDGET

ORIGINAL BUDGET

GL NUMBER DESCRIPTION

AVAILABLE BALANCE

% BDCGT USED

Fund 101 - GENERAL OPERATING FUND

Expenditures

GL NUMBER	DESCRIPTION	2019 ORIGINAL BUDGET	2019 AMENDED BUDGET	YTD BALANCE 02/28/2019	ACTIVITY FOR MONTH 02/28/19	AVAILABLE BALANCE	% BDCGT USED
Dept 101 - TOWNBOARD							
101-101-701.100	WAGES - TRUSTEE	12,000.00	12,000.00	1,600.00	1,000.00	10,400.00	13.33
101-101-701.101	WAGES - FILE CLERK	35,143.68	35,143.68	6,726.73	2,703.36	28,416.95	19.14
101-101-701.102	WAGES - TRUSTEE	12,000.00	12,000.00	1,500.00	900.00	10,500.00	12.50
101-101-701.103	WAGES - TRUSTEE	12,000.00	12,000.00	1,650.00	850.00	10,350.00	13.75
101-101-701.104	WAGES - TRUSTEE	12,000.00	12,000.00	1,800.00	1,100.00	10,200.00	15.00
101-101-701.105	WAGES - OFFICE COORDINATOR	32,676.80	32,676.80	6,256.00	2,513.60	26,420.80	19.15
101-101-726.000	SUPPLIES	5,500.00	5,500.00	687.18	458.23	4,812.82	12.49
101-101-726.001	POSTAGE	8,000.00	8,000.00	0.00	0.00	8,000.00	0.00
101-101-726.002	SUPPLIES - COPIER MAINTENANCE	7,500.00	7,500.00	316.39	0.00	7,183.61	4.22
101-101-801.002	LEGAL SERVICES - TOWNBOARD	16,000.00	16,000.00	2,307.50	2,307.50	13,692.50	14.42
101-101-801.004	LEGAL -Tax Tribunal	10,000.00	10,000.00	0.00	0.00	10,000.00	0.00
101-101-802.000	AUDIT AND ACCOUNTING	17,000.00	17,000.00	7,000.00	7,000.00	10,000.00	41.18
101-101-805.000	CONTRACTED AND OTHER SERVICES	6,500.00	6,500.00	191.50	0.00	6,308.50	2.95
101-101-860.000	MILEAGE	500.00	500.00	0.00	0.00	500.00	0.00
101-101-900.000	PRINTING & PUBLISHING	2,500.00	2,500.00	1,073.69	1,073.69	1,426.31	42.95
101-101-901.000	ADVERTISING	7,500.00	7,500.00	227.50	227.50	7,272.50	3.03
101-101-960.000	EDUCATION & TRAINING	4,000.00	4,000.00	0.00	0.00	4,000.00	0.00
101-101-965.101	DUES & PUBLICATIONS -TOWNBOAR	2,500.00	2,500.00	0.00	0.00	2,500.00	0.00
101-101-965.102	DUES - MICHIGAN TOWNSHIP ASSO	6,500.00	6,500.00	0.00	0.00	6,500.00	0.00
Total Dept 101 - TOWNBOARD		209,820.48	209,820.48	31,336.49	20,133.88	178,483.99	14.93

Dept 171 - TOWNSHIP SUPERVISOR

101-171-701.201	WAGES - SUPERVISOR	75,161.28	75,161.28	14,386.35	5,781.64	60,774.93	19.14
101-171-701.202	WAGES - APPRAISER II	43,911.17	43,911.17	8,404.00	3,377.60	35,507.17	19.14
101-171-701.204	WAGES - APPRAISER III	52,344.21	52,344.21	9,914.41	4,026.41	42,429.80	18.94
101-171-701.205	WAGES - ASSESSOR	92,800.59	92,800.59	17,762.60	7,138.50	75,037.99	19.14
101-171-726.000	SUPPLIES	2,000.00	2,000.00	0.00	0.00	2,000.00	0.00
101-171-726.001	POSTAGE	3,700.00	3,700.00	3,286.00	0.00	414.00	88.81
101-171-805.000	CONTRACTED AND OTHER SERVICES	25,000.00	25,000.00	0.00	0.00	25,000.00	0.00
101-171-860.200	MILEAGE - SUPERVISOR	1,000.00	1,000.00	0.00	0.00	1,000.00	0.00
101-171-860.201	MILEAGE - ASSESSOR	1,000.00	1,000.00	0.00	0.00	1,000.00	0.00
101-171-900.000	PRINTING & PUBLISHING	2,000.00	2,000.00	1,461.76	1,461.76	538.24	73.09
101-171-901.000	ADVERTISING	500.00	500.00	0.00	0.00	500.00	0.00
101-171-960.000	EDUCATION & TRAINING	7,000.00	7,000.00	692.82	692.82	6,307.18	9.90
101-171-960.200	EDUCATION - SUPERVISOR	1,000.00	1,000.00	0.00	0.00	1,000.00	0.00
101-171-965.000	DUES & PUBLICATIONS	3,000.00	3,000.00	263.00	263.00	2,737.00	8.77
Total Dept 171 - TOWNSHIP SUPERVISOR		310,417.25	310,417.25	56,170.94	22,741.73	254,246.31	18.10

Dept 191 - ELECTIONS

101-191-701.000	WAGES	15,000.00	15,000.00	0.00	0.00	15,000.00	0.00
101-191-726.000	SUPPLIES	5,000.00	5,000.00	15.90	0.00	4,984.10	0.32
101-191-726.001	POSTAGE	4,000.00	4,000.00	0.00	0.00	4,000.00	0.00
101-191-860.000	MILEAGE	400.00	400.00	0.00	0.00	400.00	0.00
101-191-901.000	ADVERTISING	500.00	500.00	0.00	0.00	500.00	0.00
101-191-935.010	MACHINE MAINTENANCE	3,000.00	3,000.00	0.00	0.00	3,000.00	0.00
101-191-935.015	COMPUTER SUPPORT SYSTEMS	5,000.00	5,000.00	0.00	0.00	5,000.00	0.00
Total Dept 191 - ELECTIONS		32,900.00	32,900.00	15.90	0.00	32,884.10	0.05

Dept 215 - TOWNSHIP CLERK

EXPENDITURE REPORT FOR GARFIELD TOWNSHIP

PERIOD END: /28/2019

GL NUMBER	DESCRIPTION	2019		YTD BALANCE 02/28/2019	ACTIVITY FOR MONTH 02/28/19	AVAILABLE BALANCE	% BDC USED
		ORIGINAL BUDGET	2019 AMENDED BUDGET				
<b>Fund 101 - GENERAL OPERATING FUND</b>							
<b>Expenditures</b>							
101-215-701.300	WAGES - CLERK	75,161.28	75,161.28	14,386.35	5,781.64	60,774.93	19.14
101-215-701.302	WAGES - DEPUTY CLERK	46,500.00	46,500.00	8,833.08	3,576.92	37,666.92	19.00
101-215-701.303	WAGES - ACCOUNTANT	5,000.00	5,000.00	505.00	505.00	4,495.00	10.10
101-215-726.000	SUPPLIES	1,500.00	1,500.00	147.95	0.00	1,352.05	9.86
101-215-860.300	MILEAGE - CLERK	400.00	400.00	0.00	0.00	400.00	0.00
101-215-860.301	MILEAGE - DEPUTY CLERK	400.00	400.00	0.00	0.00	400.00	0.00
101-215-956.016	MISCELLANEOUS	500.00	500.00	0.00	0.00	500.00	0.00
101-215-960.000	EDUCATION & TRAINING	6,000.00	6,000.00	0.00	0.00	6,000.00	0.00
101-215-965.000	DUES & PUBLICATIONS	700.00	700.00	0.00	0.00	700.00	0.00
<b>Total Dept 215 - TOWNSHIP CLERK</b>		<b>136,161.28</b>	<b>136,161.28</b>	<b>23,872.38</b>	<b>9,863.56</b>	<b>112,288.90</b>	<b>17.53</b>
<b>Dept 247 - BOARD OF REVIEW</b>							
101-247-701.400	WAGES - B OF R	1,500.00	1,500.00	100.00	0.00	1,400.00	6.67
101-247-701.401	WAGES - B OF R	1,500.00	1,500.00	0.00	0.00	1,500.00	0.00
101-247-701.402	WAGES - B OF R	1,500.00	1,500.00	0.00	0.00	1,500.00	0.00
101-247-701.403	WAGES - B OF R	1,500.00	1,500.00	100.00	0.00	1,400.00	6.67
101-247-960.000	EDUCATION & TRAINING	200.00	200.00	0.00	0.00	200.00	0.00
<b>Total Dept 247 - BOARD OF REVIEW</b>		<b>6,200.00</b>	<b>6,200.00</b>	<b>200.00</b>	<b>0.00</b>	<b>6,000.00</b>	<b>3.23</b>
<b>Dept 253 - TOWNSHIP TREASURER</b>							
101-253-701.500	WAGES - TREASURER	75,161.78	75,161.78	14,386.35	5,781.64	60,775.43	19.14
101-253-701.501	WAGES - ASSISTANT	5,000.00	5,000.00	0.00	0.00	5,000.00	0.00
101-253-701.502	WAGES - DEPUTY TREASURER	46,500.00	46,500.00	8,833.08	3,576.92	37,666.92	19.00
101-253-726.000	SUPPLIES	2,500.00	2,500.00	131.36	131.36	2,368.64	5.25
101-253-726.001	POSTAGE	6,500.00	6,500.00	0.00	0.00	6,500.00	0.00
101-253-801.000	LEGAL SERVICES	3,000.00	3,000.00	150.00	150.00	2,850.00	5.00
101-253-809.000	Bank Fees	300.00	300.00	0.00	0.00	300.00	0.00
101-253-860.500	MILEAGE - TREASURER	700.00	700.00	0.00	0.00	700.00	0.00
101-253-860.501	MILEAGE - DEPUTY TREASURER	500.00	500.00	218.08	0.00	281.92	43.62
101-253-900.000	PRINTING & PUBLISHING	2,000.00	2,000.00	0.00	0.00	2,000.00	0.00
101-253-901.000	ADVERTISING	100.00	100.00	0.00	0.00	100.00	0.00
101-253-960.000	EDUCATION & TRAINING	4,500.00	4,500.00	163.58	163.58	4,336.42	3.64
101-253-965.000	DUES & PUBLICATIONS	500.00	500.00	50.00	0.00	450.00	10.00
<b>Total Dept 253 - TOWNSHIP TREASURER</b>		<b>147,261.78</b>	<b>147,261.78</b>	<b>23,932.45</b>	<b>9,803.50</b>	<b>123,329.33</b>	<b>16.25</b>
<b>Dept 258 - COMPUTER SUPPORT</b>							
101-258-726.000	SUPPLIES	6,000.00	6,000.00	0.00	0.00	6,000.00	0.00
101-258-935.015	COMPUTER SUPPORT SYSTEMS	30,000.00	30,000.00	4,212.00	4,212.00	25,788.00	14.04
101-258-935.016	COMPUTER NETWORK	2,000.00	2,000.00	150.00	75.00	1,850.00	7.50
<b>Total Dept 258 - COMPUTER SUPPORT</b>		<b>38,000.00</b>	<b>38,000.00</b>	<b>4,362.00</b>	<b>4,287.00</b>	<b>33,638.00</b>	<b>11.48</b>
<b>Dept 265 - TOWNSHIP HALL</b>							
101-265-701.011	Maintenance Wages	10,000.00	10,000.00	895.73	331.80	9,104.27	8.96
101-265-726.003	SUPPLIES-MAINTANCE	3,500.00	3,500.00	222.45	222.45	3,277.55	6.36
101-265-850.000	TELEPHONE	16,000.00	16,000.00	2,591.22	1,303.69	13,408.78	16.20
101-265-920.601	HEATING / GAS	12,000.00	12,000.00	1,835.54	1,835.54	10,164.46	15.30
101-265-920.602	WATER / SEWER	6,000.00	6,000.00	144.02	144.02	5,855.98	2.40
101-265-920.603	LIGHTS BUILDING	15,000.00	15,000.00	974.94	0.00	14,025.06	6.50

PERIOD END: /28/2019

2019

ACTIVITY FOR MONTH

GL NUMBER	DESCRIPTION	ORIGINAL BUDGET	2019 AMENDED BUDGET	YTD BALANCE 02/28/2019	ACTIVITY FOR MONTH 02/28/19	AVAILABLE BALANCE	% BDC USED
<b>Fund 101 - GENERAL OPERATING FUND</b>							
<b>Expenditures</b>							
101-265-935.601	SNOW PLOWING	10,000.00	10,000.00	1,315.00	1,315.00	8,685.00	13.15
101-265-935.602	LAWN MAINTENANCE	10,000.00	10,000.00	0.00	0.00	10,000.00	0.00
101-265-935.603	CLEANING SERVICE	15,000.00	15,000.00	1,150.00	1,150.00	13,850.00	7.67
101-265-935.604	RUBBISH REMOVAL	1,000.00	1,000.00	170.00	85.00	830.00	17.00
101-265-935.605	BUILDING REPAIR	50,000.00	50,000.00	0.00	0.00	50,000.00	0.00
101-265-935.606	ELECTRONIC PROTECTION SYSTEM	1,500.00	1,500.00	365.40	0.00	1,134.60	24.36
101-265-935.608	MAINTENANCE-OTHER	15,000.00	15,000.00	790.82	325.80	14,209.18	5.27
<b>Total Dept 265 - TOWNSHIP HALL</b>		165,000.00	165,000.00	10,455.12	6,713.30	154,544.88	6.34
<b>Dept 301 - POLICE SERVICES</b>							
101-301-830.000	POLICE CONTRACT	1,200,000.00	1,200,000.00	0.00	0.00	1,200,000.00	0.00
<b>Total Dept 301 - POLICE SERVICES</b>		1,200,000.00	1,200,000.00	0.00	0.00	1,200,000.00	0.00
<b>Dept 371 - TOWNSHIP BUILDING INSPECTOR</b>							
101-371-701.702	WAGES BUILDING ASSISTANT	16,744.63	16,744.63	3,176.98	1,276.83	13,567.65	18.97
101-371-701.703	WAGES - BUILDING	73,473.79	73,473.79	14,044.53	5,651.84	59,429.26	19.12
101-371-701.704	WAGES - BUILDING	25,000.00	25,000.00	3,500.14	1,610.00	21,499.86	14.00
101-371-701.705	WAGES - CONSTRUCTION BOARD	1,000.00	1,000.00	0.00	0.00	1,000.00	0.00
101-371-726.000	SUPPLIES	1,000.00	1,000.00	36.65	36.65	963.35	3.67
101-371-960.000	EDUCATION & TRAINING	1,000.00	1,000.00	0.00	0.00	1,000.00	0.00
101-371-965.000	DUES & PUBLICATIONS	1,500.00	1,500.00	335.00	0.00	1,165.00	22.33
<b>Total Dept 371 - TOWNSHIP BUILDING INSPECTOR</b>		119,718.42	119,718.42	21,093.30	8,575.32	98,625.12	17.62
<b>Dept 400 - PLANNING COMMISSION</b>							
101-400-701.800	WAGES - PLANNING	2,000.00	2,000.00	300.00	200.00	1,700.00	15.00
101-400-701.801	WAGES - PLANNING	2,000.00	2,000.00	300.00	200.00	1,700.00	15.00
101-400-701.802	WAGES - PLANNING	2,000.00	2,000.00	300.00	200.00	1,700.00	15.00
101-400-701.804	WAGES - PLANNING	2,000.00	2,000.00	300.00	200.00	1,700.00	15.00
101-400-701.805	WAGES - PLANNING	2,000.00	2,000.00	200.00	200.00	1,800.00	10.00
101-400-701.806	WAGES - PLANNING	2,000.00	2,000.00	300.00	200.00	1,700.00	15.00
101-400-701.808	LEGAL SERVICES	25,000.00	25,000.00	145.00	145.00	24,855.00	0.58
101-400-801.000	CONTRACTED AND OTHER SERVICES	6,000.00	6,000.00	216.50	0.00	5,783.50	3.61
101-400-805.000	PRINTING & PUBLISHING	1,000.00	1,000.00	0.00	0.00	1,000.00	0.00
101-400-900.000	ADVERTISING	2,000.00	2,000.00	0.00	0.00	2,000.00	0.00
101-400-901.000	EDUCATION & TRAINING	2,000.00	2,000.00	0.00	0.00	2,000.00	0.00
101-400-960.000	DUES & PUBLICATIONS	1,000.00	1,000.00	0.00	0.00	1,000.00	0.00
<b>Total Dept 400 - PLANNING COMMISSION</b>		51,000.00	51,000.00	2,361.50	1,545.00	48,638.50	4.63
<b>Dept 401 - TOWNSHIP PLANNER</b>							
101-401-701.900	WAGES - PLANNER	73,473.79	73,473.79	14,063.36	5,651.84	59,410.43	19.14
101-401-701.901	WAGES - DEPUTY PLANNER	52,604.54	52,604.54	10,068.01	4,046.41	42,536.53	19.14
101-401-701.902	WAGES -PLANNER ASSISTANT	12,558.53	12,558.53	2,382.76	957.59	10,175.77	18.97
101-401-726.000	SUPPLIES	1,000.00	1,000.00	106.79	74.99	893.21	10.68
101-401-860.900	MILEAGE - TOWNSHIP PLANNER	300.00	300.00	0.00	0.00	300.00	0.00
101-401-860.901	MILEAGE - DEPUTY PLANNER	300.00	300.00	0.00	0.00	300.00	0.00
101-401-900.000	PRINTING & PUBLISHING	2,000.00	2,000.00	0.00	0.00	2,000.00	0.00
101-401-960.000	EDUCATION & TRAINING	5,000.00	5,000.00	0.00	0.00	5,000.00	0.00


PERIOD END: /28/2019

GL NUMBER	DESCRIPTION	2019		YTD BALANCE 02/28/2019	ACTIVITY FOR MONTH 02/28/19	AVAILABLE BALANCE	% BDDT USED
		ORIGINAL BUDGET	2019 AMENDED BUDGET				
<b>Fund 101 - GENERAL OPERATING FUND</b>							
<b>Expenditures</b>							
101-401-965.000	DUES & PUBLICATIONS	1,000.00	1,000.00	0.00	0.00	1,000.00	0.00
<b>Total Dept 401 - TOWNSHIP PLANNER</b>		<b>148,236.86</b>	<b>148,236.86</b>	<b>26,620.92</b>	<b>10,730.83</b>	<b>121,615.94</b>	<b>17.96</b>
<b>Dept 410 - ZONING BOARD OF APPEALS</b>							
101-410-701.001	WAGES - ZONING	1,200.00	1,200.00	0.00	0.00	1,200.00	0.00
101-410-701.002	WAGES - ZONING	1,200.00	1,200.00	0.00	0.00	1,200.00	0.00
101-410-701.003	WAGES - ZONING	1,200.00	1,200.00	0.00	0.00	1,200.00	0.00
101-410-701.004	WAGES - ZONING	1,200.00	1,200.00	0.00	0.00	1,200.00	0.00
101-410-701.005	WAGES - ZONING	1,200.00	1,200.00	0.00	0.00	1,200.00	0.00
101-410-801.000	LEGAL SERVICES	10,000.00	10,000.00	0.00	0.00	10,000.00	0.00
101-410-805.000	CONTRACTED AND OTHER SERVICES	1,000.00	1,000.00	0.00	0.00	1,000.00	0.00
101-410-901.000	ADVERTISING	2,000.00	2,000.00	0.00	0.00	2,000.00	0.00
101-410-960.000	EDUCATION & TRAINING	1,000.00	1,000.00	0.00	0.00	1,000.00	0.00
<b>Total Dept 410 - ZONING BOARD OF APPEALS</b>		<b>20,000.00</b>	<b>20,000.00</b>	<b>0.00</b>	<b>0.00</b>	<b>20,000.00</b>	<b>0.00</b>
<b>Dept 412 - ZONING ADMINISTRATOR</b>							
101-412-701.601	WAGES	51,665.46	51,665.46	9,889.08	3,974.26	41,776.38	19.14
101-412-701.602	WAGES ZONING	16,000.00	16,000.00	1,570.37	401.34	14,429.63	9.81
101-412-726.000	SUPPLIES	1,000.00	1,000.00	37.64	37.64	962.36	3.76
101-412-860.601	MILEAGE - ZONING ADMIN	150.00	150.00	0.00	0.00	150.00	0.00
101-412-860.602	MILEAGE - DEPT ZONING	150.00	150.00	0.00	0.00	150.00	0.00
101-412-960.000	EDUCATION & TRAINING	2,000.00	2,000.00	0.00	0.00	2,000.00	0.00
101-412-965.000	DUES & PUBLICATIONS	500.00	500.00	0.00	0.00	500.00	0.00
<b>Total Dept 412 - ZONING ADMINISTRATOR</b>		<b>71,465.46</b>	<b>71,465.46</b>	<b>11,497.09</b>	<b>4,413.24</b>	<b>59,968.37</b>	<b>16.09</b>
<b>Dept 448 - STREET LIGHTS - TOWNSHIP</b>							
101-448-920.005	STREET LIGHTS TOWNSHIP	80,000.00	80,000.00	7,643.84	6,751.14	72,356.16	9.55
<b>Total Dept 448 - STREET LIGHTS - TOWNSHIP</b>		<b>80,000.00</b>	<b>80,000.00</b>	<b>7,643.84</b>	<b>6,751.14</b>	<b>72,356.16</b>	<b>9.55</b>
<b>Dept 747 - COMMUNITY PROMOTIONS</b>							
101-747-880.003	COM. PROM. - ECONOMIC DEVELOPMENT	15,000.00	15,000.00	0.00	0.00	15,000.00	0.00
101-747-880.004	COM. PROM. - TC-TALUS	3,000.00	3,000.00	0.00	0.00	3,000.00	0.00
101-747-880.007	COM. PROM. - COMMUNITY AWAREN	820,000.00	820,000.00	3,500.00	3,500.00	816,500.00	0.43
101-747-880.008	COM. PROM. - CONTRACTED SERVI	20,000.00	20,000.00	0.00	0.00	20,000.00	0.00
101-747-880.011	COM. PROM. - P.E.G.	100,000.00	100,000.00	39,408.95	0.00	60,591.05	39.41
101-747-880.017	COM. PROM. - TV BOARD	2,500.00	2,500.00	0.00	0.00	2,500.00	0.00
101-747-880.018	COM. PROM. - MILFOIL	8,000.00	8,000.00	0.00	0.00	8,000.00	0.00
<b>Total Dept 747 - COMMUNITY PROMOTIONS</b>		<b>968,500.00</b>	<b>968,500.00</b>	<b>42,908.95</b>	<b>3,500.00</b>	<b>925,591.05</b>	<b>4.43</b>
<b>Dept 806 - TOWNSHIP VEHICLES</b>							
101-806-862.000	GAS & CAR WASHES	2,500.00	2,500.00	0.00	0.00	2,500.00	0.00
101-806-863.000	OIL CHANGES	500.00	500.00	0.00	0.00	500.00	0.00
101-806-864.000	MISCELLANEOUS	1,500.00	1,500.00	0.00	0.00	1,500.00	0.00
<b>Total Dept 806 - TOWNSHIP VEHICLES</b>		<b>4,500.00</b>	<b>4,500.00</b>	<b>0.00</b>	<b>0.00</b>	<b>4,500.00</b>	<b>0.00</b>

GL NUMBER	DESCRIPTION	2019 ORIGINAL BUDGET	2019 AMENDED BUDGET	YTD BALANCE 02/28/2019	ACTIVITY FOR MONTH 02/28/19	AVAILABLE BALANCE	% BDTG USED
<b>Fund 101 - GENERAL OPERATING FUND</b>							
<b>Expenditures</b>							
Dept 851 - EMPLOYEE BENEFITS & INSURANCES							
101-851-701.000	WAGES	6,000.00	6,000.00	0.00	0.00	6,000.00	0.00
101-851-701.027	UNEMPLOYMENT	4,000.00	4,000.00	0.00	0.00	4,000.00	0.00
101-851-873.001	John Hancock 403B	90,000.00	90,000.00	0.00	0.00	90,000.00	0.00
101-851-873.010	SOCIAL SECURITY - EMPLOYER	80,000.00	80,000.00	13,533.42	5,571.98	66,466.58	16.92
101-851-873.020	VACATION & PERSONAL PAYOUT	5,000.00	5,000.00	123.66	0.00	4,876.34	2.47
101-851-873.030	INSURANCE - EMPLOYEE HEALTH	325,000.00	325,000.00	126,422.77	19,586.98	198,577.23	38.90
101-851-873.040	INSURANCE - EMPLOYEE LIFE	10,000.00	10,000.00	1,485.48	(96.20)	8,514.52	14.85
101-851-912.001	INSURANCE - LIABILITY	13,000.00	13,000.00	0.00	0.00	13,000.00	0.00
101-851-912.002	INSURANCE - WORKMENS COMP.	8,000.00	8,000.00	6,675.00	0.00	1,325.00	83.44
<b>Total Dept 851 - EMPLOYEE BENEFITS &amp; INSURANCES</b>		<b>541,000.00</b>	<b>541,000.00</b>	<b>148,240.33</b>	<b>25,062.76</b>	<b>392,759.67</b>	<b>27.40</b>
<b>Dept 900 - CAPITAL OUTLAY</b>							
101-900-970.001	CAPITAL OUTLAY - ELECTIONS	2,000.00	2,000.00	0.00	0.00	2,000.00	0.00
101-900-970.002	CAPITAL OUTLAY - TOWNSHIP HAL	10,000.00	10,000.00	0.00	0.00	10,000.00	0.00
101-900-970.003	CAPITAL OUTLAY - COMPUTER	15,000.00	15,000.00	0.00	0.00	15,000.00	0.00
101-900-970.004	CAPITAL OUTLAY - VEHICLES	15,000.00	15,000.00	0.00	0.00	15,000.00	0.00
101-900-970.005	CAPITAL OUTLAY - LAND	1,000.00	1,000.00	0.00	0.00	1,000.00	0.00
<b>Total Dept 900 - CAPITAL OUTLAY</b>		<b>43,000.00</b>	<b>43,000.00</b>	<b>0.00</b>	<b>0.00</b>	<b>43,000.00</b>	<b>0.00</b>
<b>Dept 965 - TRANSFERS TO OTHER FUNDS</b>							
101-965-990.308	TRANSFERS TO #308 PARK SYS	200,000.00	200,000.00	0.00	0.00	200,000.00	0.00
<b>Total Dept 965 - TRANSFERS TO OTHER FUNDS</b>		<b>200,000.00</b>	<b>200,000.00</b>	<b>0.00</b>	<b>0.00</b>	<b>200,000.00</b>	<b>0.00</b>
<b>TOTAL EXPENDITURES</b>		<b>4,493,181.53</b>	<b>4,493,181.53</b>	<b>410,711.21</b>	<b>134,121.26</b>	<b>4,082,470.32</b>	<b>9.14</b>
<b>Fund 101 - GENERAL OPERATING FUND:</b>							
<b>TOTAL EXPENDITURES</b>		<b>4,493,181.53</b>	<b>4,493,181.53</b>	<b>410,711.21</b>	<b>134,121.26</b>	<b>4,082,470.32</b>	<b>9.14</b>

PERIOD END: /28/2019

GL NUMBER	DESCRIPTION	2019		YTD BALANCE 02/28/2019	ACTIVITY FOR MONTH 02/28/19	AVAILABLE BALANCE	% BDC USED
		ORIGINAL BUDGET	2019 AMENDED BUDGET				
Fund 308 - PARK SYSTEM FUND							
Expenditures							
Dept 000							
308-000-701.308	WAGES - PARKS AND RECREATION	8,400.00	8,400.00	400.00	400.00	8,000.00	4.76
308-000-801.000	LEGAL SERVICES	2,000.00	2,000.00	0.00	0.00	2,000.00	0.00
308-000-880.001	COM. PROM. - SILVER LAKE PARK	94,000.00	94,000.00	1,179.38	305.00	92,820.62	1.25
308-000-880.006	COM. PROM. - BVNP (YMCA)	63,000.00	63,000.00	0.00	0.00	63,000.00	0.00
308-000-880.008	COM. PROM. - Cont. Serv GTCD	46,000.00	46,000.00	11,500.00	0.00	34,500.00	25.00
308-000-880.012	COM. PROM. - GT COMMONS	12,500.00	12,500.00	0.00	0.00	12,500.00	0.00
308-000-880.013	COM. PROM. - BOARDMAN RIVER	5,000.00	5,000.00	0.00	0.00	5,000.00	0.00
308-000-880.014	COM. PROM. - MILLER CREEK	8,500.00	8,500.00	0.00	0.00	8,500.00	0.00
308-000-880.015	COM. PROM. - PARK & TRAIL MAI	26,100.00	26,100.00	0.00	0.00	26,100.00	0.00
308-000-880.016	COM. PROM. - KIDS CREEK PARK	44,800.00	44,800.00	0.00	0.00	44,800.00	0.00
308-000-935.000	MAINTENANCE - MISC, EQUIP	55,000.00	55,000.00	13,796.95	13,796.95	41,203.05	25.09
Total Dept 000		365,300.00	365,300.00	26,876.33	14,501.95	338,423.67	7.36
Dept 851 - EMPLOYEE BENEFITS & INSURANCES							
308-851-873.010 SOCIAL SECURITY - EMPLOYER							
Total Dept 851 - EMPLOYEE BENEFITS & INSURANCES		0.00	0.00	30.60	30.60	(30.60)	100.00
TOTAL EXPENDITURES		0.00	0.00	30.60	30.60	(30.60)	100.00
TOTAL EXPENDITURES		365,300.00	365,300.00	26,906.93	14,532.55	338,393.07	7.37
Fund 308 - PARK SYSTEM FUND:							
TOTAL EXPENDITURES		365,300.00	365,300.00	26,906.93	14,532.55	338,393.07	7.37

		<b>Charter Township of Garfield</b>	
		<b>Planning Department Report No. 2019-22</b>	
Prepared:	March 4, 2019	Pages:	Page 1 of 2
Meeting:	March 12, 2019 Township Board	Attachments:	<input checked="" type="checkbox"/>
Subject:	DNR Local Watercraft Control Ordinance for Portion of Silver Lake—Cont'd. Discussion		

**BACKGROUND:**

Discussion regarding a DNR no wake zone on a portion of Silver Lake near the DNR boat launch has been ongoing for some time at the Township Board level (see attached map illustrating proposed boundary). The issue was last discussed at the December 11, 2019 Township Board meeting.

During the December 11<sup>th</sup> meeting, discussion centered on two issues in particular: first, how enforcement of the no wake zone would work and; second, how the buoys indicating the no wake zone boundary will be placed, maintained, and stored.

**STAFF COMMENT:***DNR Timeline:*

Under the DNR's timeline for the adoption of a local watercraft control ordinance, the Township has until April 19, 2019 to adopt the watercraft control ordinance.

*Enforceability, Buoy Maintenance, and Sunset Provisions:*

It has been suggested in previous discussions that the Grand Traverse County Sheriff Marine Division would assume the responsibility of enforcing a properly marked no wake zone on Silver Lake, as they do with regard to other lakes in Grand Traverse County. According to the express language of the ordinance, "[t]his local watercraft control is only enforceable when clearly and properly marked."

Therefore, a sunset provision appears to be unnecessary because, if the buoys were not placed, the ordinance would be unenforceable by its own terms. In addition, there do not appear to be any reasonably foreseeable issues associated with having the ordinance on the books absent the buoys, aside from the unenforceability aspect just described. Finally, the DNR requires that the ordinance that they provide to the Township be adopted precisely as provided, word-for-word, which precludes any opportunity to add additional provisions or make changes.

However, how the buoys marking the zone will be placed, maintained, and stored each season, on the other hand, appears to not be entirely clear yet. It has been suggested in previous discussions that Doug Brown, a lakefront homeowner, would coordinate some kind of arrangement whereby Action Water Sports, a local boat sales and service business, would handle the placement and storage of the buoys.

The ordinance states that the zone "shall be marked with signs and/or with buoys and ***maintained by the Charter Township of Garfield*** [emphasis added]". Staff does not take this to mean that the Township itself or its employees must maintain the buoys, but it does appear to imply that some form of written agreement for such maintenance should be in place. Therefore, if Action Water Sports is willing to place, maintain, and store the buoys, they should enter into a formal agreement to do so with the Township. However, this need not happen right away because, as explained above, having the ordinance on the books absent the buoys does not appear to be problematic.

Finally, according to the ordinance, permits from the DNR are required for the placement of the buoys. It seems that this is an administrative burden that must fall on someone that has yet to be discussed. But,

once again, having the ordinance on the books absent the buoys does not appear to be problematic and we are under a strict DNR timeline.

**ACTION REQUESTED:**

If the Board is satisfied with the DNR ordinance as presented tonight, the next step is to schedule a public hearing on the ordinance, a suggested motion for which is as follows:

MOTION THAT a public hearing BE SCHEDULED on the proposed MDNR Law Enforcement Division Special Local Watercraft Control Ordinance for Silver Lake, as attached to Planning Department Report 2019-22, for the March 26, 2019 meeting of the Township Board.

**Attachments:**

1. Full text of DNR Watercraft Control Ordinance for portion of Silver Lake
2. 11x17 illustration of proposed DNR no wake zone area on Silver Lake



**MICHIGAN DEPARTMENT OF NATURAL RESOURCES**

**LAW ENFORCEMENT DIVISION**

**SPECIAL LOCAL WATERCRAFT CONTROL**

Grand Traverse County

**SILVER LAKE, CHARTER TOWNSHIP OF GARFIELD, WC-28-18-001 – Slow-no wake speed**

On that portion of Silver Lake within the Charter Township of Garfield, within 400 feet of the State's Boating Access Site, (44.701542, -85.680053), it is unlawful for the operator of a vessel to exceed a slow-no wake speed.

"Slow-no wake speed" means a very slow speed whereby the wake or wash created by the vessel would be minimal.

The boundaries of the area described above shall be marked with signs and/or with buoys and maintained by the Charter Township of Garfield. All buoys must be placed as provided in a permit issued by the Department of Natural Resources and be in conformance with the State Uniform Waterway Marking System. This local watercraft control is only enforceable when clearly and properly marked.

Datum: NAD 1983 Michigan GeoRef (Meters)

*History: Eff: XXXXXX*



Approx. 400-Ft DNR No Wake Zone Boundary

### Illustration of DNR No Wake Zone on Silver Lake

This map is based on digital databases prepared by Garfield Township. The Township does not warrant, expressly or impliedly, that the information on this map is current or positionally accurate. Always contact a surveyor to be sure of where your property lines are located.

Garfield Charter Township  
 3848 Veterans Drive  
 Traverse City, MI 49684  
 Phone: 231.941.1620  
 Fax: 231.941.1688  
[www.garfield-twp.com](http://www.garfield-twp.com)



**NOT A LEGAL SURVEY**

Garfield Township Planning Dept: 12/5/2018