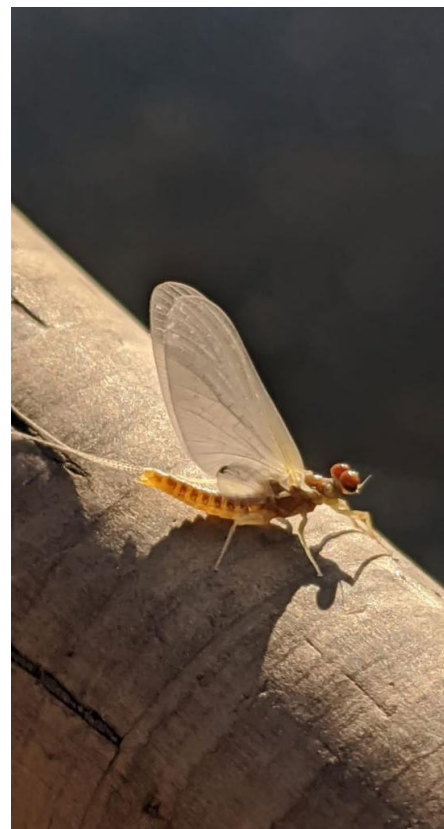




Middle Grand Chapter Annual General Meeting

February 26, 2022



Trout Unlimited Canada



Truite Illimitée Canada

Agenda

1. Introduction
2. President's Message
3. Treasurer's Report
4. Projects Report
5. Data Report
6. Communications Report
7. Questions
8. Nominations
9. Conclusion





Introduction



Welcome to *Another* Virtual Annual General Meeting



- You don't have to leave your home
- No dress code
- Masks are not required
- Drinks and snacks galore



ZOOM 101

- Meeting is being recorded
- Everyone's cameras default to being off
- View – Gallery or Presenter mode
- Everyone will be muted
- How to interact, chat or raise Hand
- Questions will be answered at the end
- If you wish to speak, request to do so in the chat OR raise hand
- Email your questions to middlegrandchapter.tuc@gmail.com



Chapter Executives

Hajnal Kovacs, President

Larry Mellors, VP

Tyler Dunsmore, VP

Mark Hartley, Treasurer

Andy Dietrich, Secretary and
Director of Communications

Amanda Draves, Director of Data

Barry Buchwald, Projects Director

Scott Puillandre, Projects Director

Directors at Large:

Adam Pett

Jason Forde

Archie McLarty

Larry Halyk

Bernadett Kovacs

Warren Yerex

Brent Elliott

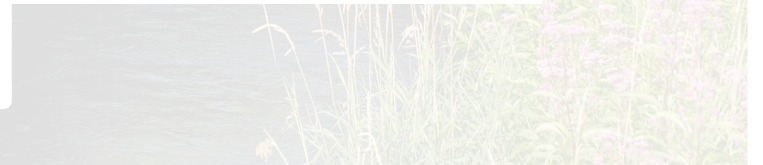


Middle Grand Chapter



Our **Mission Statement** is to:

- work in **partnership** with watershed residents, agencies, and other Non-profit Government Organizations
- to **conserve, protect and rehabilitate the freshwater ecosystems and cold-water resources** in the Middle Grand River, and its tributaries,
- for **current and future generations**.
- This is achieved through **education, science-based plans, and direct action**.



Trout Unlimited Canada



Truite Illimitée Canada

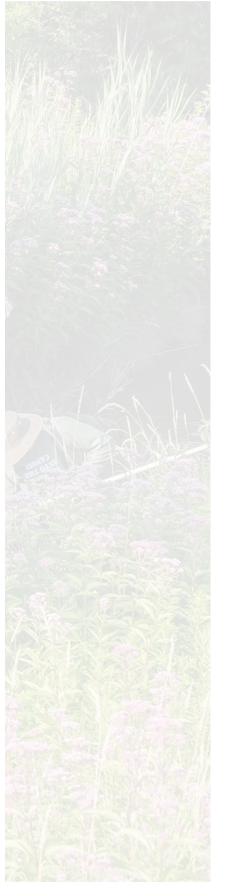
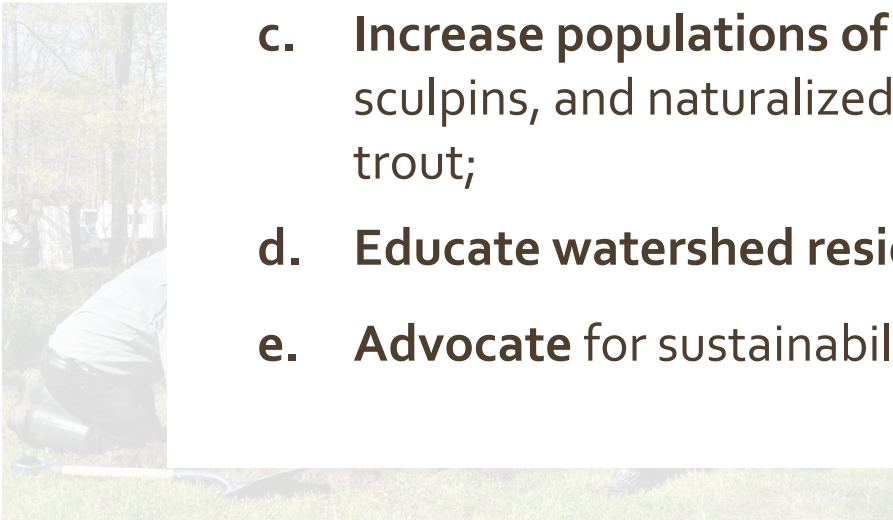
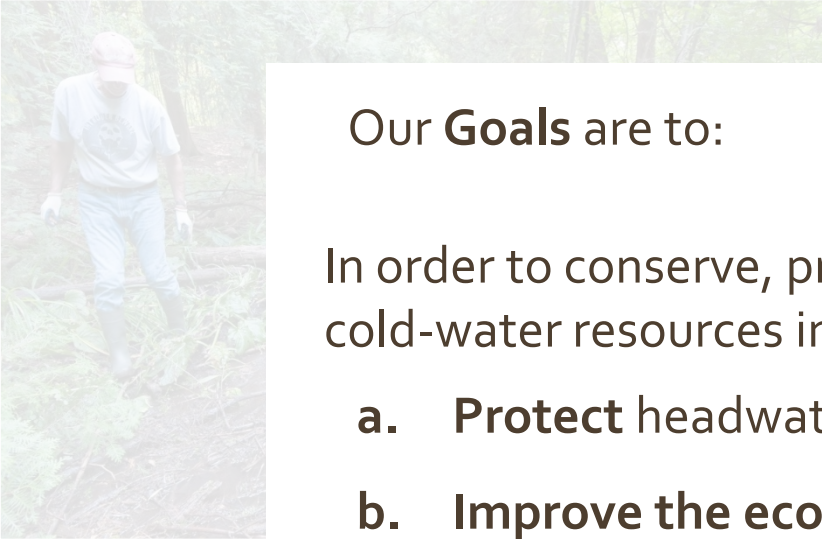
Middle Grand Chapter



Our **Goals** are to:

In order to conserve, protect and restore the freshwater ecosystems and their cold-water resources in the Middle Grand:

- a. **Protect** headwaters and tributaries from degradation;
- b. **Improve the ecological resiliency** of the tributaries;
- c. **Increase populations of native cold-water species** such as brook trout and sculpins, and naturalized cold-water species such as rainbow and brown trout;
- d. **Educate watershed residents** on the value status of the watershed; and
- e. **Advocate** for sustainability in development.






Middle Grand Chapter Projects

This is the main Map for the Middle Grand Chapter showing location of project work and year completed.
more

87 views

Last edit was on February 7

 Add layer  Share  Preview

☒ Middle Grand Chapter Coverage

 Individual styles

 GRAND RIVER

 Whitemans Creek

 Nith River

☒ Hiller Creek

 Individual styles

 Hiller Creek - Blenheim Rd at ...

 2019 Hiller Creek Tree Plant

 Hiller Creek Rd 14 South

 2018 Hiller Creek Tree Plant

 Hiller Creek - Nith Valley Org...

 2015 Hiller Creek Tree Plant

 Hiller Creek

☒ Rest Acres Creek


NEW!

Middle Grand Chapter Projects

This is the main Map for the Middle Grand Chapter showing location of project work and year completed.
[more](#)

87 views

Last edit was on February 7

 Add layer  Share  Preview


 2017 Alder Creek Workday

☒ Landons Creek

 Individual styles

 Landons Creek

 Brant Rod and Gun

 2021 Landon's Creek Workday

 2021 Landon's Creek Workday

 2017 Landons/Whitemans Tr...

 Landons West of Bishopgate

☒ Charlie Creek

 Individual styles

 Charlie Creek

 Richie Creek Pond

 2021 Charlie Creek Tree Plant

 2021 Charlie Creek Tree Plant

 Richie Creek

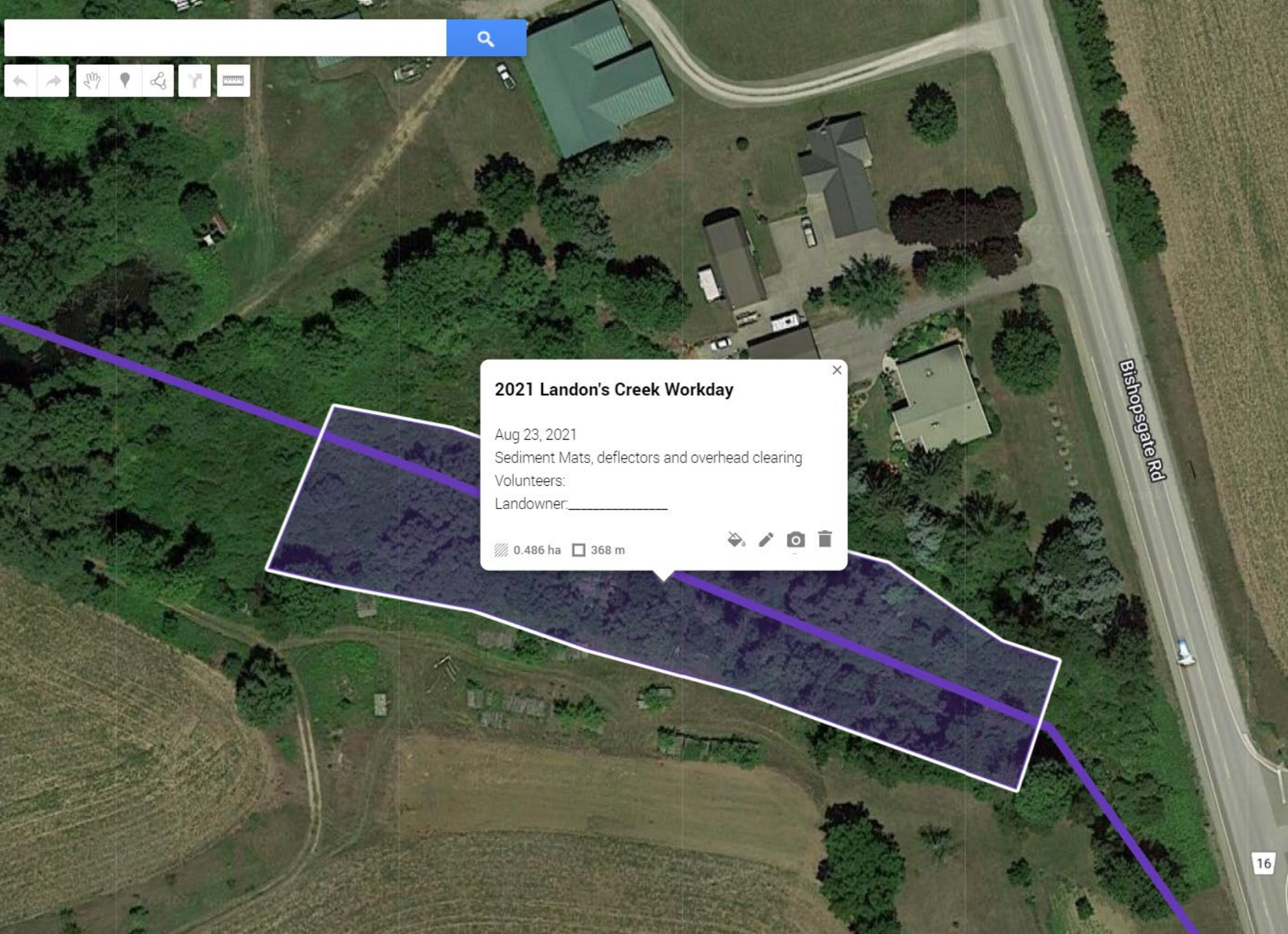
☒ D'Aubigny Creek

 Individual styles

 D'Aubigny Creek

 2021 D'Aubigny Work Day

Add a footer





Treasurers Report

Mark Hartley

Financial Statement – Dec. 31, 2021

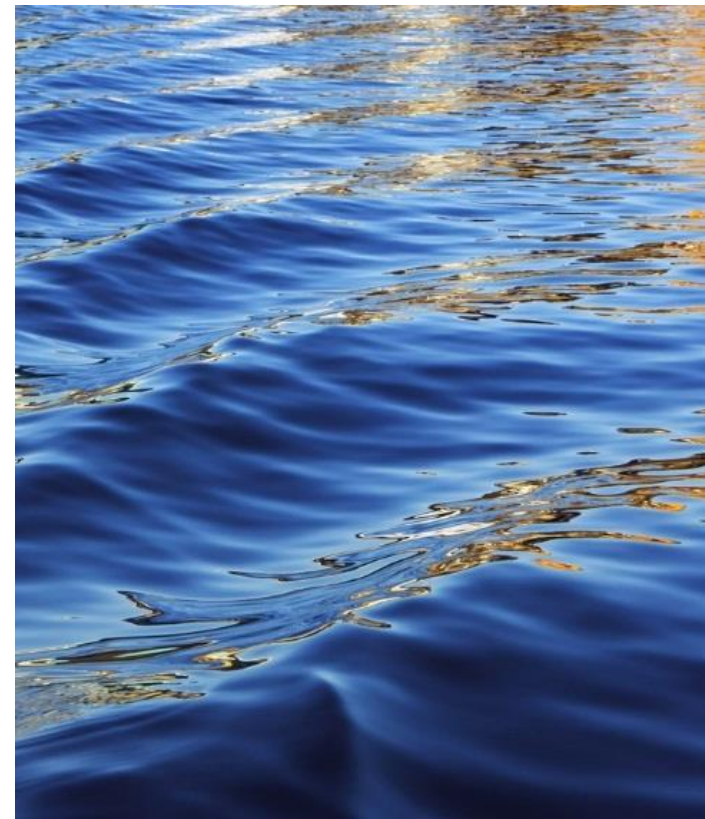
Middle Grand Chapter		2021
<hr/>		
Income		
<hr/>		
Membership	\$	800.00
Donations	\$	2,037.29
		<hr/>
		\$2,837.29
<hr/>		
Expenditures		
<hr/>		
Website	\$	153.93
Electrofishing training	\$	226.00
SWAT	\$	750.00
Trees	\$	1,438.60
Field supplies	\$	80.49
		<hr/>
		\$2,649.02
<hr/>		
Bank Balance		\$8,971.83





Project Report

Scott Puillandre – Projects Director



What we did in 2021

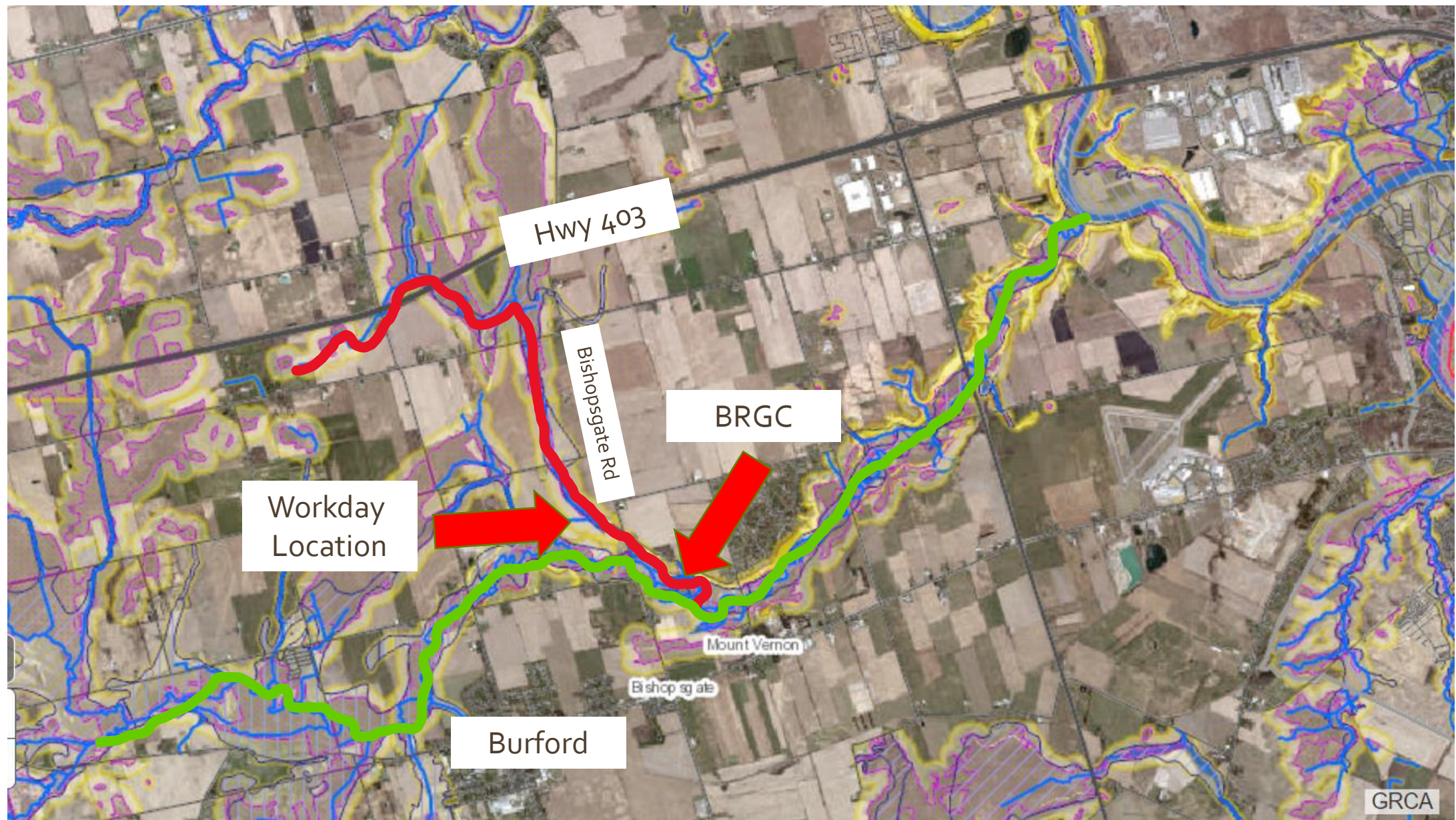
- Yes - COVID still sucks
- BUT we got a lot of great work done!
 - We had 5 public workday;
 - Over 500hrs of volunteer time.



Landon's Creek

A big thank you to the Brant Rod and Gun Club





Landon's Creek - An overview

- Held two workdays – 27 July and 23 August
- Work completed
 - Pollarding
 - Installation of sediment mats
 - Installation of digger logs
- Over 30 volunteers participated
- Over 250hrs of volunteer time
- 100m of sediment mats, 15 digger logs, 400m of pollarding
- So what?



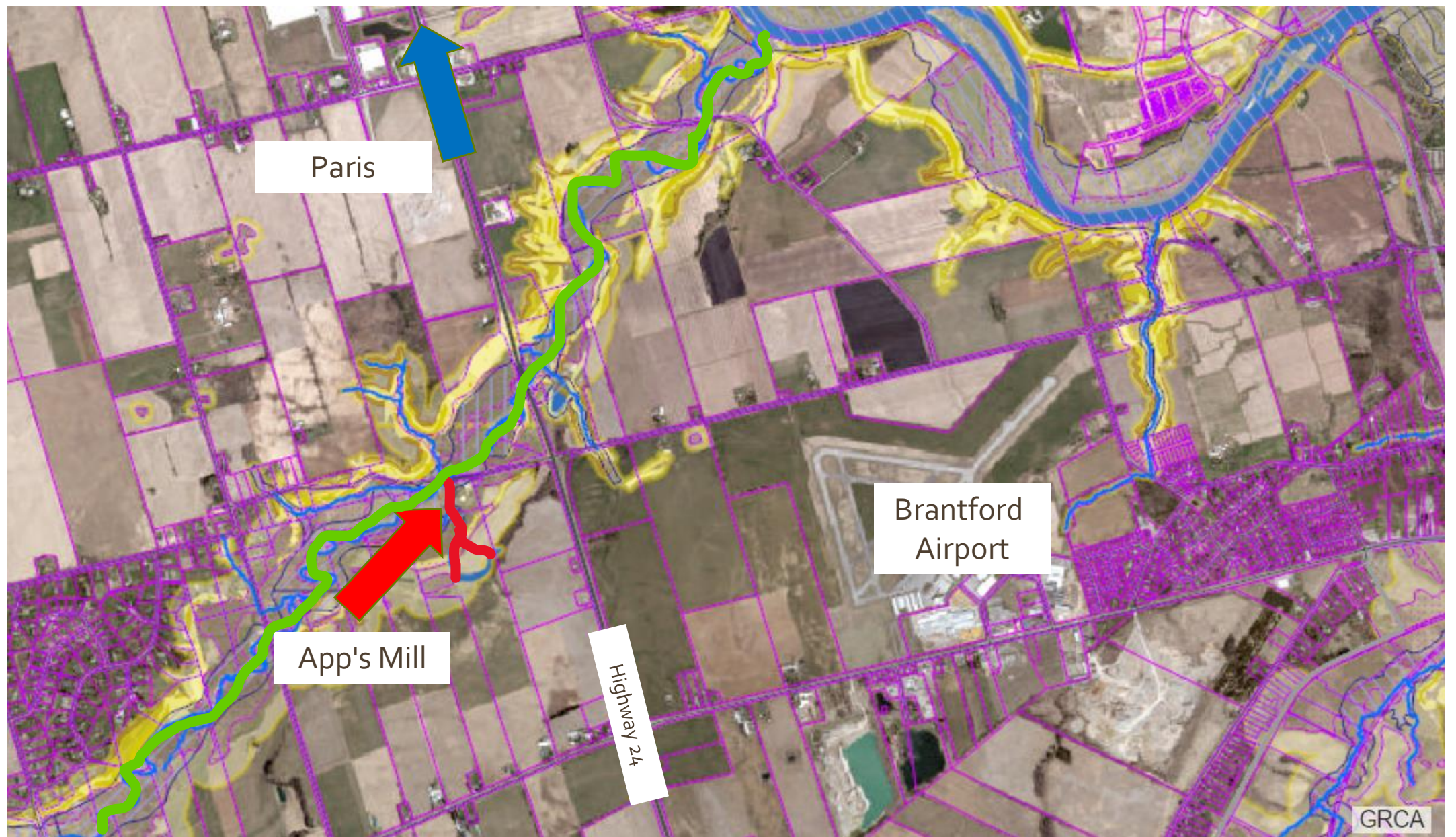






Rest Acres Creek





Rest Acres Creek - An overview

- Held one workday – 30 August
- Work completed
 - Woody debris management
- Over 15 volunteers participated
- Over 110hrs of volunteer time
- Over 250m of cleared stream
- So what?





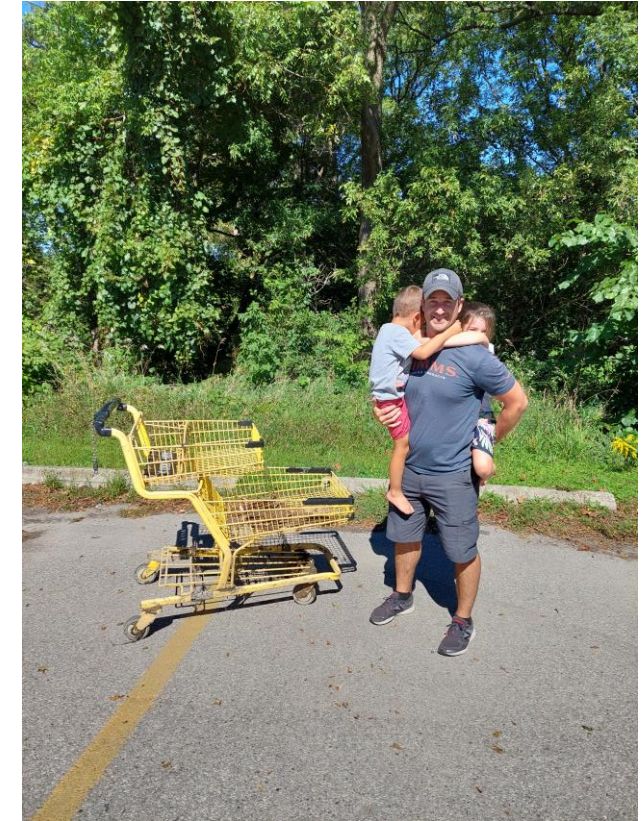


World Cleanup Day

September 18, 2021



Small but mighty Team



Trout Unlimited Canada

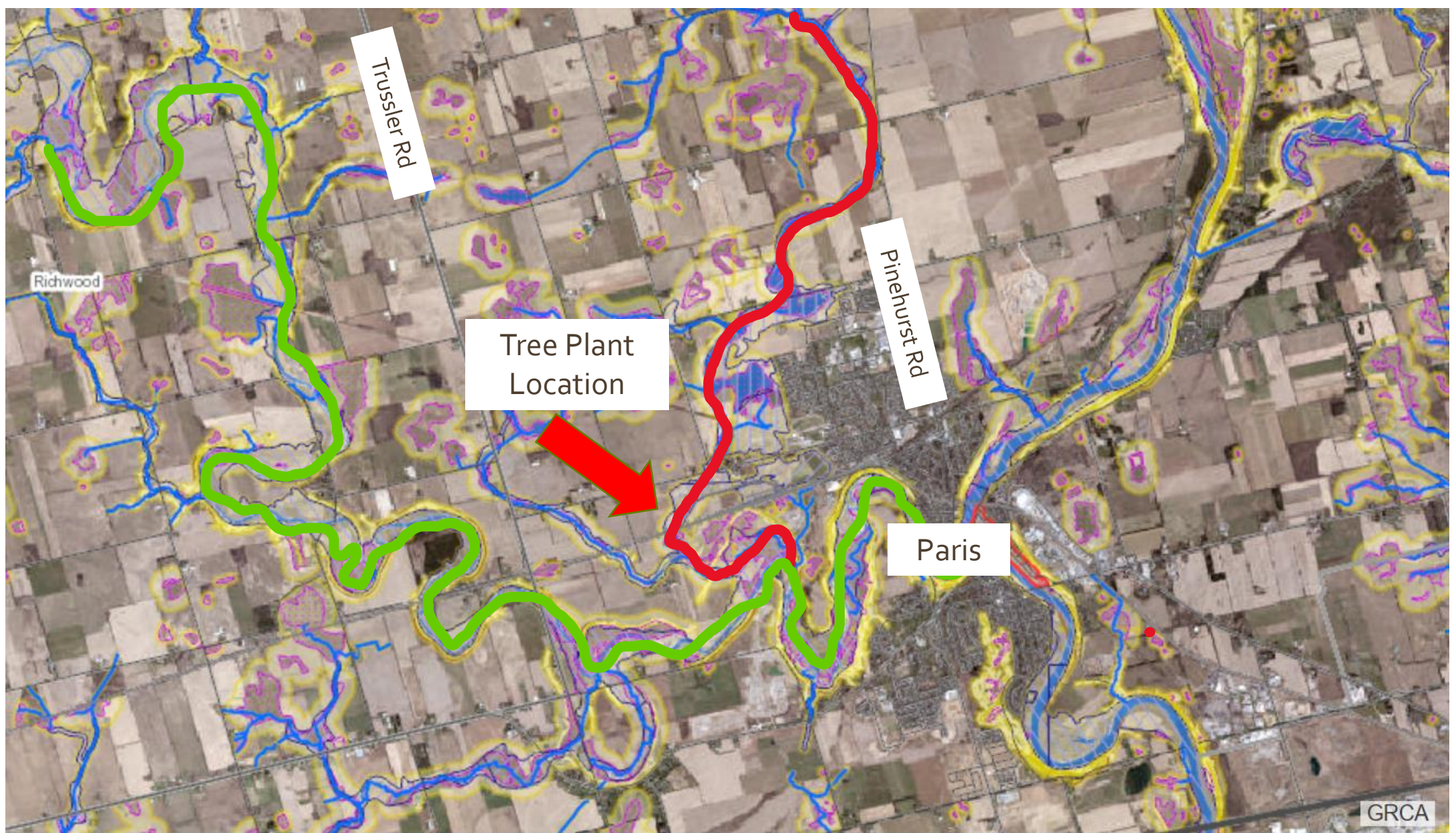


Truite Illimitée Canada

Charlie Creek

A big thank you to Brant County





Charlie Creek - An overview

- Held one tree planting – 30 October
- Fall tree plants versus spring plant
- 17 volunteers
- Over 100hrs of volunteer time
- Over 200 potted trees
- So what?





Washington Creek

Strategic Water Action Team (SWAT)





Priorities for 2022

- Charlie Creek Tree Plant – Spring --> Maybe one in the Fall?
- Landon's Creek – Keep up the progress
- Airport Creek
- Rest Acres Creek
- In creek work can start mid to late June
- In creek work ends early to mid – September
- Looking to have 2 or 3 work nights a month
- Tuesday or Wednesday during the evening
- Saturday or Sunday during the day



Q and Eh?





Data Report

Larry Halyk & Amanda Shamas (presented by Hajnal K)

Data Collection



Why Collect Data?

- Provides information about the condition of our watershed.
- Identifies areas of concern, where streams would benefit from our effort.
- Measures progress of our rehab projects.
- Identifies data gaps, where info is otherwise unknown (supplement agency data)
- Legitimate leg to stand on!



Middle Grand River Chapter Temperature Data Collection Form*

Date AUG 26/14 Investigator(s) HALYK
 Start Time: 4:36 PM Air Temp (in shade) 30.1°C Cloud Cover (%) 60
 End Time: 5:39 PM Air Temp (in shade) 30.1°C Cloud Cover (%) 50

Stream	Location	Temp (°C)	Time
Burgess Lake Outlet	Motherall Rd (upstream)	23.6	4:40 PM
"	"	"	"
"	Twp Rd 6 W	21.2	4:47
"	"	"	"
"	Twp Rd 6 E	27.9	4:52
"	"	"	"
"	Blenheim Rd (downstream)	20.8(1)	4:56 PM
Washington Creek	Twp Rd 12 (downstream)	21.2	5:05 PM
"	"	"	"
"	Ox. County Rd 3	21.1	5:09
"	"	"	"
"	Oxford County Rd 8	21.8	5:13
"	"	"	"
"	Twp Rd 14	18.8	5:18
"	"	"	"
"	Oxford - Waterloo Townline (upstream)	13.4	5:22 PM
Hiller Creek	Upper Blenheim Rd near Townline (upstr.)	-	standing pools
"	"	"	"
"	Twp Rd 14	24.5	5:31
"	"	"	"
"	Middle Blenheim	19.5	5:36
"	"	"	"
"	Lower Blenheim (Perry's Creek) (downstr.)	17.9	5:39 PM
Whitemans Creek	near mouth @ 5 Oaks	19.5	3:00 PM

Observations and Comments:

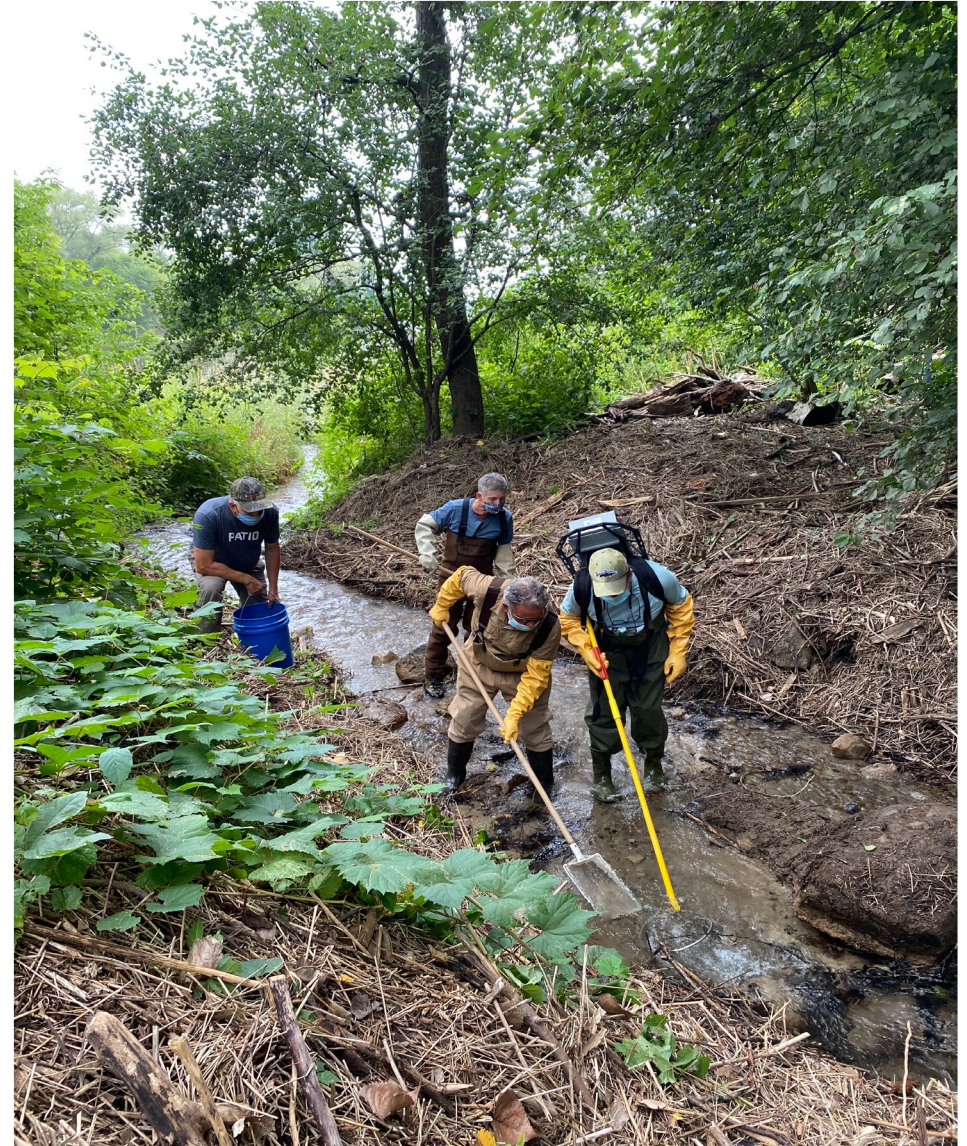
Burgess → Large open pasture warms creek between Rd West location + Rd 6 East location - raises temp. 6+°C. BUT major spring discharge between Rd 6 E + Blenheim Rd lowers temp 7+°C in less than 1 km !!
 Washington - 1 Beaver Dam removed upstream of Rd 14 on Aug 20, but another major dam between Townline + Rd 14 remains as of Aug 26.
 Hiller - noticeable increase in baselines (groundwater) between Rd 14 + Perry's Creek.

*To be used to collect late afternoon "Spot Temperatures" on streams during hot and sunny days between July 1 and August 31. See page 2 for detailed instructions.

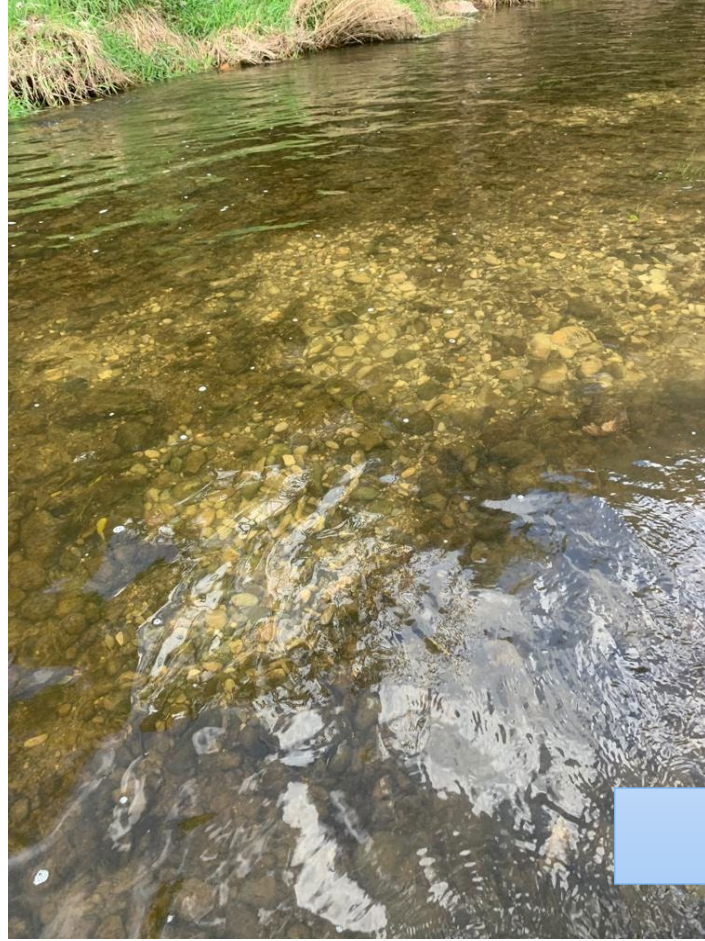
2014 Temperature Form

Data Collected Since 2013

1. Fish Community Surveys
(electrofishing)
2. Water Temperatures:
(Continuous & Spot Checks)
3. Spawning Surveys (spring and fall, not in 2020, sporadic in 2021)



Spawning Surveys



Middle Grand Chapter Spawning Survey

Date March 23, 2021 Investigator(s) Adam Pett
Start Time: 4:15 pm Air Temp (in shade) 16 °C Cloud Cover (%)
60
End Time: 5:30 p.m. Water Temp no reading °C Precipitation

Total No. of adults observed 12 Species. Steelhead

Reach	Total # of Redds
Whitemans Creek – 150 meters downstream of Cleaver road bridge	4

Observations and Comments:

- ☒ I agree that the collected data becomes the property of Middle Grand Trout Unlimited Canada, to be used for monitoring and planning purposes
- ☐ I agree that Middle Grand Trout Unlimited Canada can list my name on website, newsletters, and other publications for the sole purpose of acknowledging that I have collected this data

Signature: Adam Pett Date: March 2021

Thermal Categories

(based on mean July Temperature)

Category	Mean July Temp (°C)	Fish Community
Cold	< 16.9	Brook Trout, Sculpins
Cold-Cool Transitional	17 – 19	Brook, Brown, Rainbow, Trout: Sculpins
Cool	19.1- 20.49	Rock Bass, Darters, Rainbow & Brown Trout, some minnows
Cool-Warm Transitional	20.5 - 21.99	Walleye, Perch, Darters, Pike, Smallmouth Bass, most minnows
Warm	>22	Carp, Sunfish, Largemouth Bass,

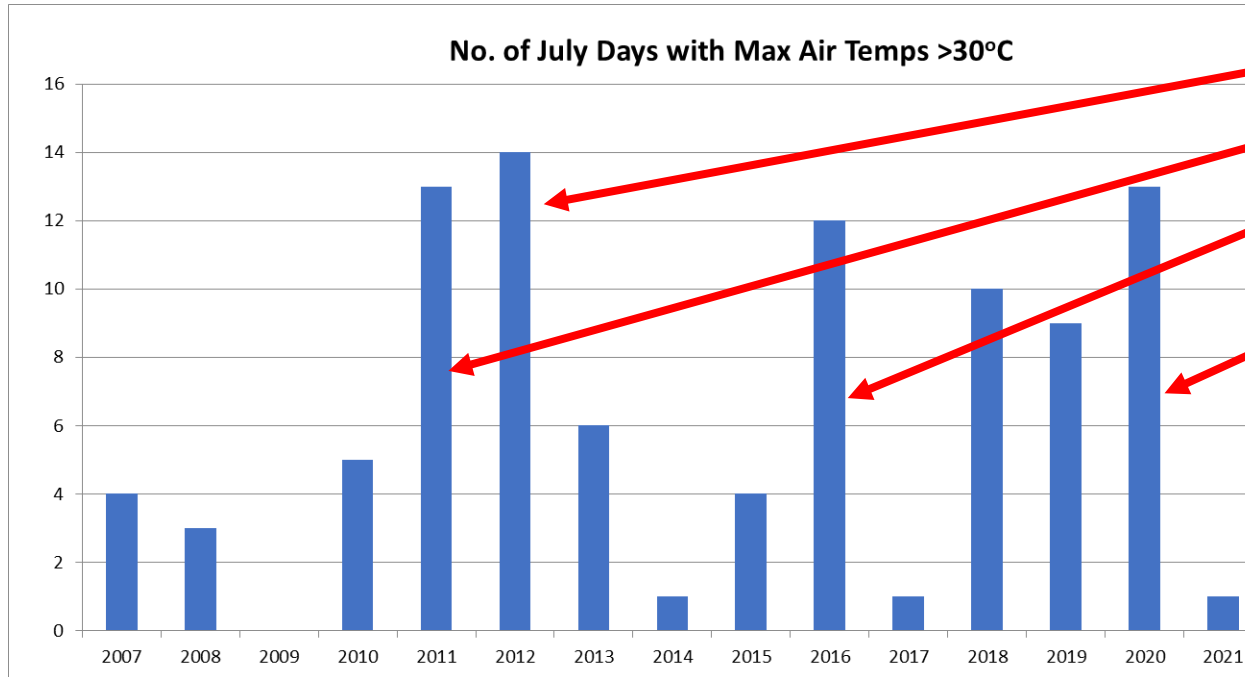
2021 Temperature Data Logger Survey



- 16 Stations on 2 streams
 - Whitemans/Horner: 12
 - Landons: 4
- Loggers installed in late June & retrieved in November
- Temperature taken every 30 minutes



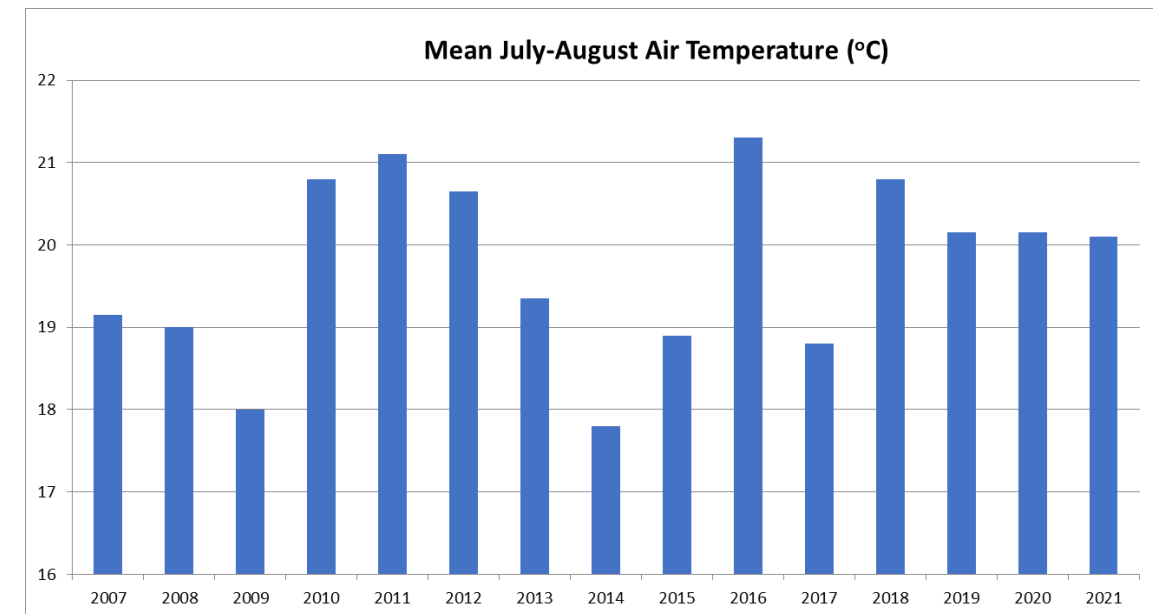
Recent Weather Trends (Brantford Airport)



Bad for Trout Survival

Good for Trout Survival

Maybe? (not confirmed)

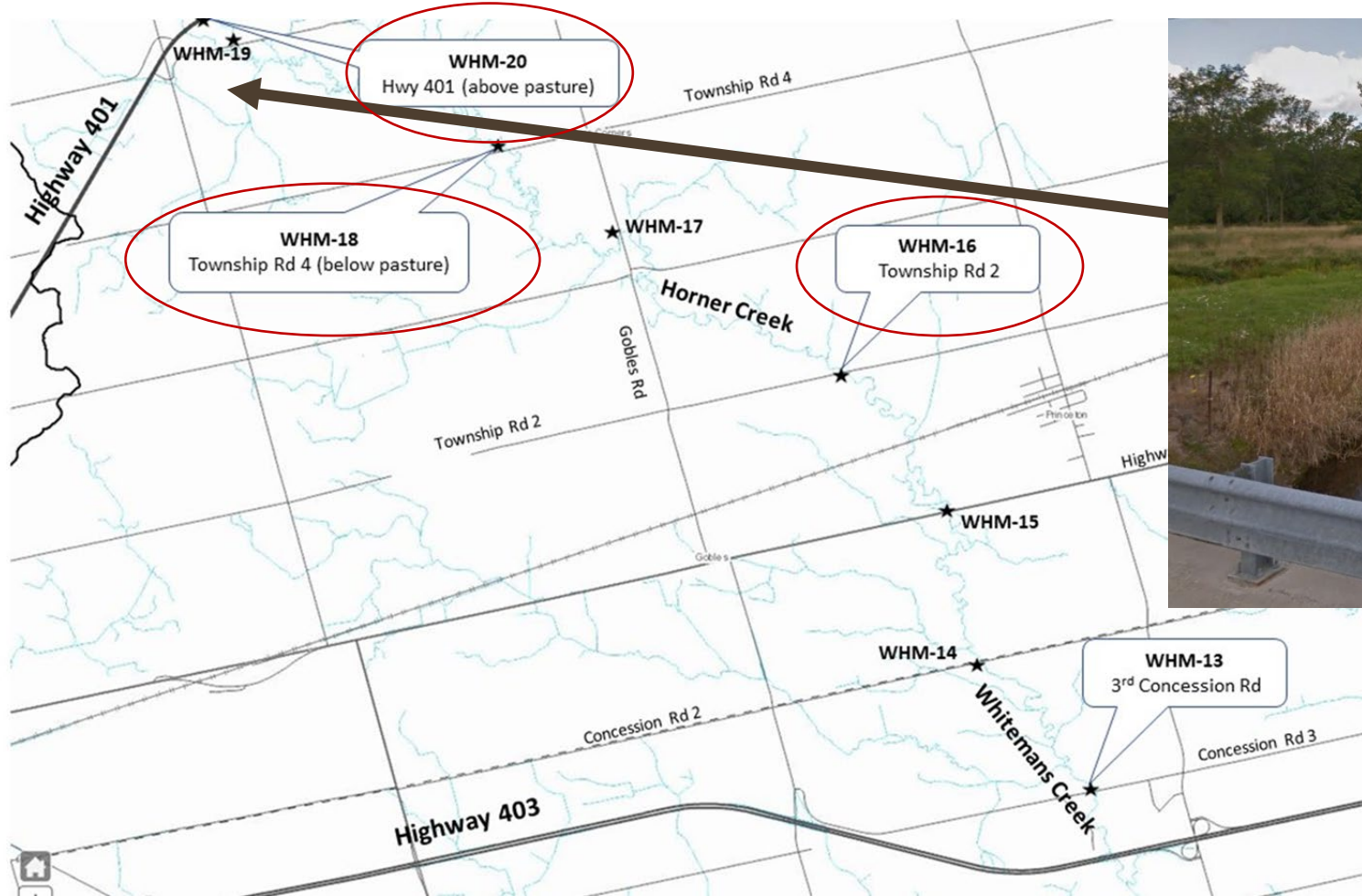


Lower Whitemans Temperature Stations



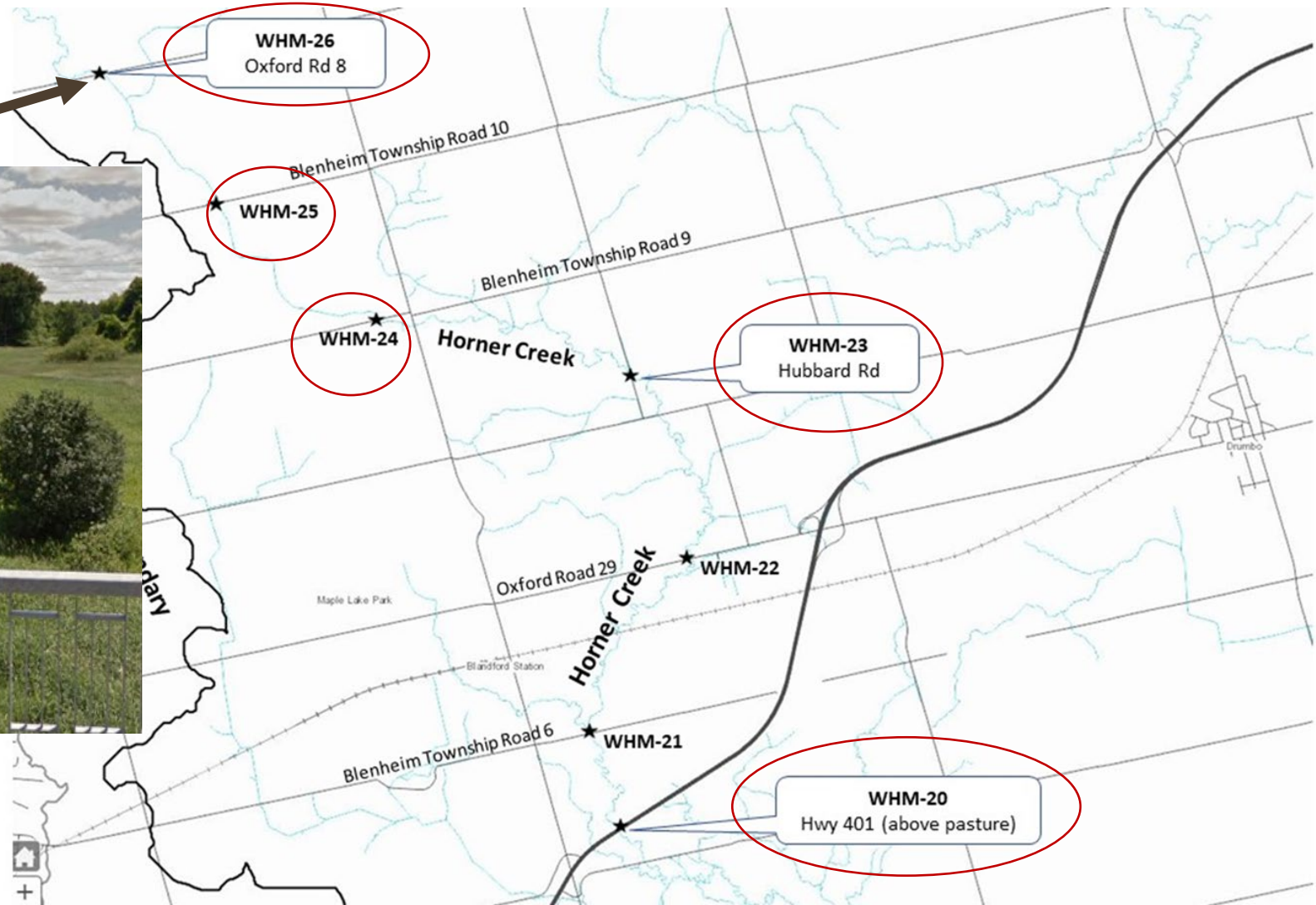
- Well forested
- Relatively deep valley, good gradient
- Lots of groundwater and cold tributaries

Horner Cr. Stations between HWY 403 and 401



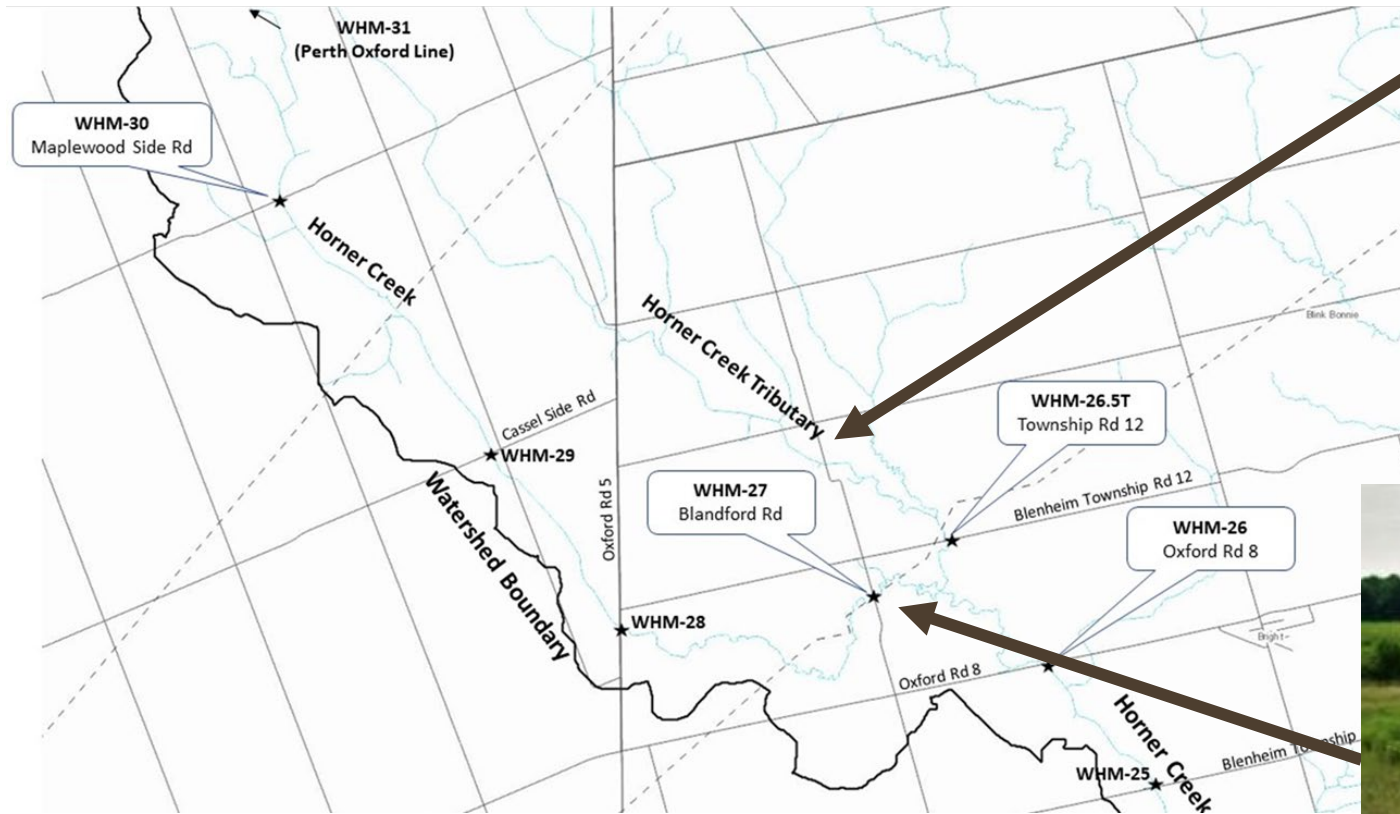
- Lower gradient with wetlands
- Well forested (except for pasture D/S HWY 401)

Horner Cr between HWY 401 and Oxford Rd 8



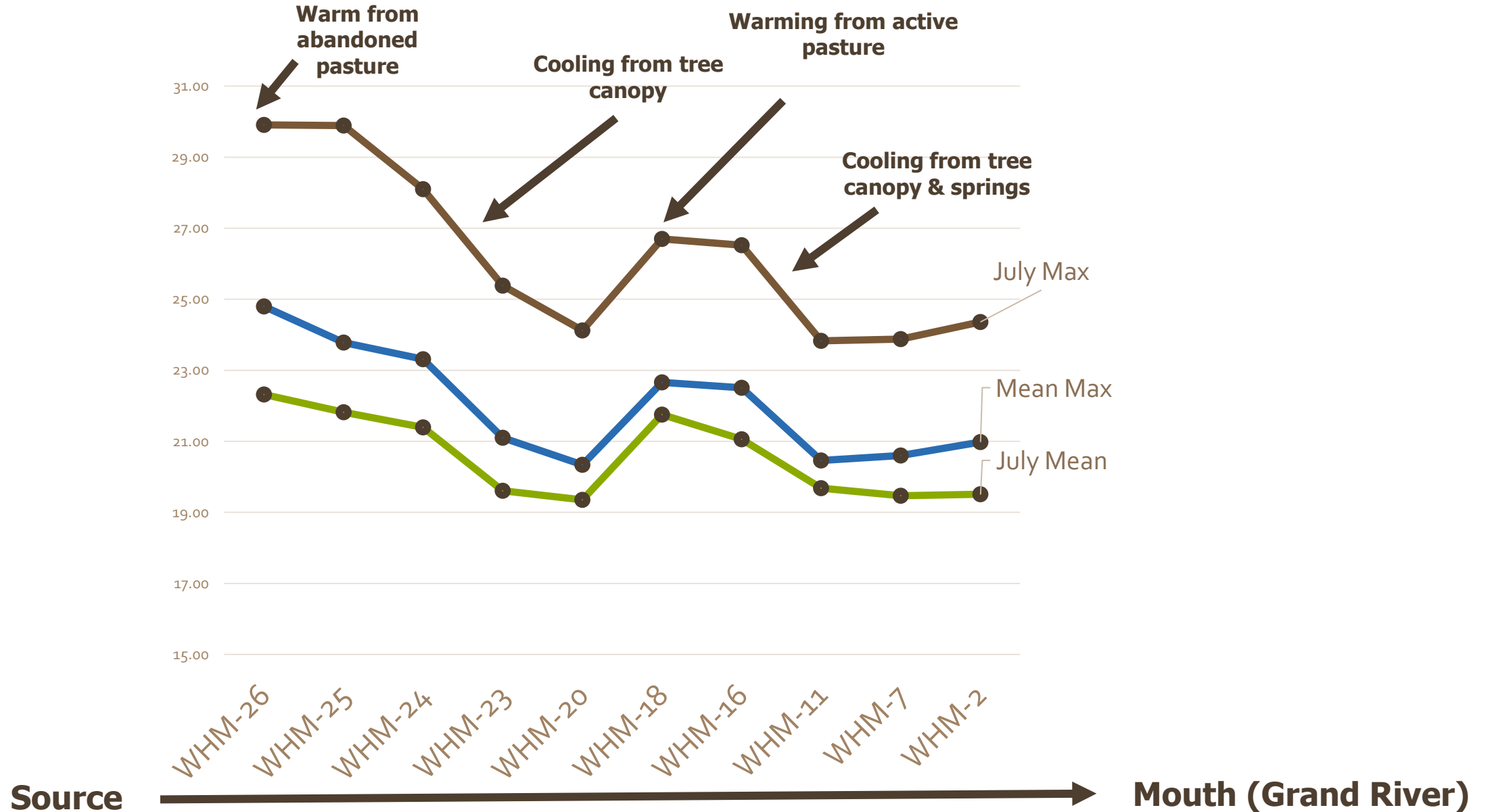
- Clay till soils
- Intensive agriculture
- Riparian: 50% open canopy (abandoned pastureland) 50% forested

Upper Horner Creek (Headwaters)



- Tight clay soils
- Intensive agriculture
- Riparian: almost 100% open Canopy

Whitemans Cr. Temperature Trends (spatial)



2021 Temperature Summary

STATION	LOCATION	Nomogram Class*	July Mean (°C)	Mean Max (°C)	July Max	Number of July Days in 2021		
						Max >20°C	Max >22°C	Min >19°C
WHM-2	Whitemans Cr @Potruff Road	Cool-Warm	19.51	20.98	24.36	23	9	4
WHM-7	Whitemans Cr @ BishopGate Rd	Cool	19.47	20.6	23.88	22	7	10
WHM-11	Whitemans @ Middle Townline Rd	Cool	19.68	20.46	23.83	20	5	14
WHM-16	Horner Cr @ Blenheim Twp Rd 2	Cool-warm	21.06	22.51	26.52	28	22	23
WHM-18	Horner Cr @ Blenheim Twp Rd 4	cool-warm	21.75	22.66	26.7	28	20	28
WHM-20	Horner Cr @ Highway 401	Cool	19.35	20.34	24.12	18	4	13
WHM-23	Horner Cr @ Hubbard Rd	Cool-warm	19.61	21.1	25.38	22	10	9
WHM-24	Horner Cr @ Blenheim Rd 9*	Warm	21.39	23.31	28.1	29	22	19
WHM-25	Horner Cr @ Blenheim Rd 10*	Warm	21.82	23.78	29.89	30	23	27
WHM-26	Horner @ Oxford Rd 8 (Bright)	Warm	22.32	24.8	29.91	30	26	24
LND-1	Landons Cr D/S BRGC dam*	Cool	16.59	18.52	22.13	4	1	0
LND-2	Landons Cr @ Bishop Gate Rd*	Cool	16.05	17.9	21.17	2	0	0
LND-3	Landons Cr @ Concession 5*	Cool	15.32	17.24	20.46	1	0	0
LND-4	Landons Cr @ Golf Links Road*	Cold-cool	14.08	16.17	18.58	0	0	0

Loggers were pulled early due to low battery (early August). Nomograms to be interpreted with caution

What's next/Conclusions

- Additional temperature monitoring in 2022 to build long term data sets
- Temperature data is an inexpensive, easy way to inform where we should best direct our outreach and rehabilitation efforts
 - e.g. tree planting in areas with low canopy cover)
- E-fishing (hopefully!) sites that were unable to be sampled in 2022

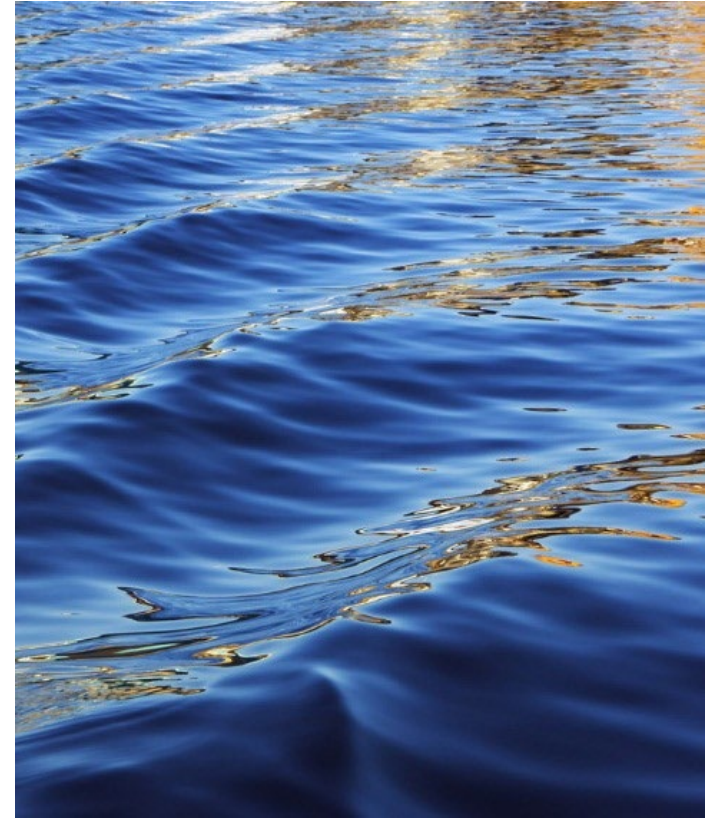


Photo: Brent Elliot



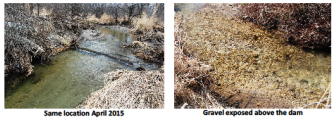
Communications

Andy Dietrich (presented by Tyler Dunsmore)

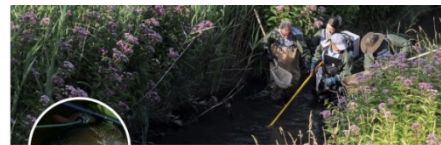
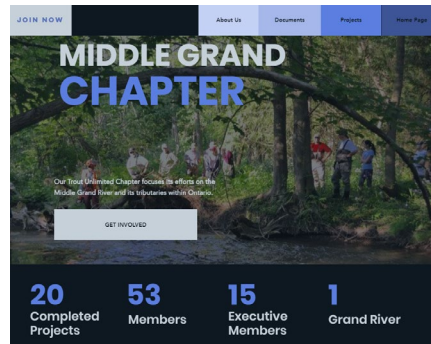




Hello TUC members and supporters,
If you are receiving this notice it is because you signed up to be a member / or receive updates for the Middle Grand Chapter of Trout Unlimited Canada.
Our Chapter's second work day for 2015 is almost upon us. Please join us on Washington Creek near Plattville on Wednesday July 8. During that evening we will continue our efforts to reduce temperatures, flush sediment, and increase trout cover on Washington Creek near Blenheim Township Rd 14 (see directions below).
Last year we removed a large beaver dam at this site, and you will be amazed at how things have changed since then. Much of the silt has been flushed away and gravel and rubble are exposed at many locations. Rainbow trout were observed spawning just upstream of the former beaver dam this spring! On July 8 we will be installing deflectors to narrow channel and flush remaining sand and silt, and constructing stream bank log jam structures to provide hiding cover for the fish.



<http://www.tucmiddlegrand.org/>
<https://www.facebook.com/middlegrandchapterTUC>
<https://twitter.com/tucmiddlegrand>



TUC Middle Grand
@TUCMiddleGrand

Middle Grand Chapter of Trout Unlimited Canada
Grand River, Ontario [tucmiddlegrand.org](https://www.tucmiddlegrand.org)
Joined August 2014
59 Following 136 Followers

Tweets Tweets & replies Media Likes

TUC Middle Grand @... · Feb 24, 2021 ...
Our AGM is this Saturday Feb 27 online at 11:00am. We will post the link to the AGM one hour before hand. Hope you can attend.

Community

Middle Grand Chapter - Trout Unlimited Canada invited you to [like this Page](#)

828 people like this

897 people follow this



Middle Grand Chapter
- Trout Unlimited Canada
@middlegrandchapterTUC

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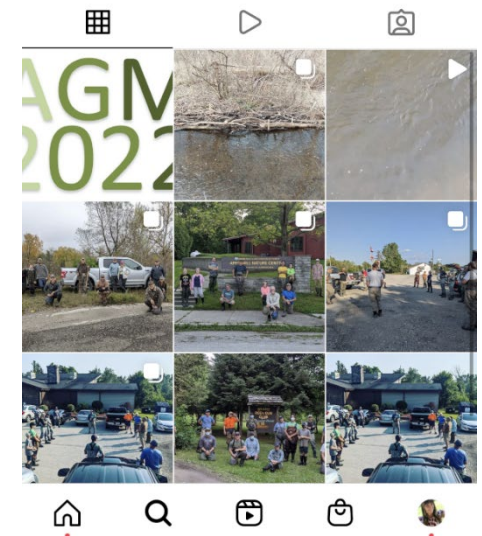
Instagram
<https://www.instagram.com/middlegrandchapter>



43 Posts 332 Followers 66 Following

Middle Grand Chapter - TUC
www.middlegrandchapter.com
Followed by [drift_outfitters](#), [larryhalyk](#) and 28 others

Following Message Email +



2022 Membership Renewal

All current memberships expire March 31, 2021
Signing up is \$40 (tax deductible)

Half of your membership donation goes directly to the Chapter of your Choice

58 Members 😊





Questions?

Please use the chat OR click raise hand

Trout Unlimited Canada



Truite Illimitée Canada





Nominations

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Brent Elliott

Jason Forde

Larry Halyk

Warren Yerex

ONE OPENING





Thank You