Refresher Webinar 2020 Connecticut Trail Census

Monday June 1, 2020 2:00-3:00 pm





Agenda

- Trail Census Background
- Getting your data
- New online trail user survey for 2020
- Infrared counts
 - Monitoring the infrared counter
 - Manual counts
- New initiatives in 2020

https://cttrailcensus.uconn.edu/volunteerresources/

Statewide volunteer-based data collection & education program on multi-use trails

To encourage data
informed
decision-making &
promote resident
participation in trail
monitoring & advocacy

www.cttrailcensus.uconn.edu



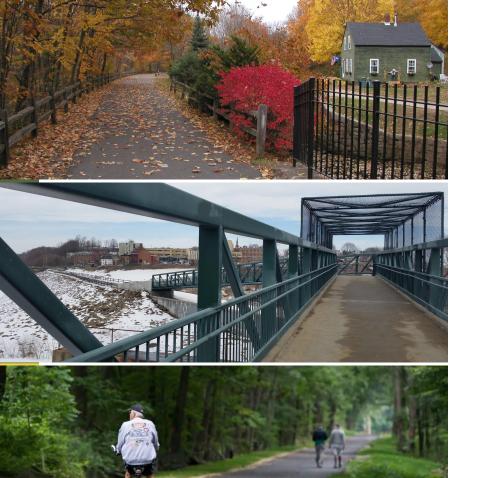












STATEWIDE

Urban, rural and suburban multi-use trails - 20 sites in 2019

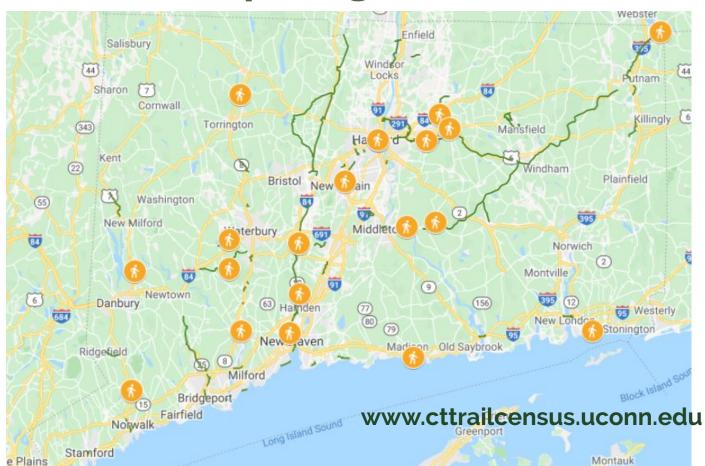
MULTI-YEAR

Multi-year information about trail use, user demographics, economic impacts, and trail amenities Identification of patterns and trends

VOLUNTEER - BASED

Active community participation Data informed decision-making

21 Participating Trail Sites





Finding the Data

Click on a circle or the list to see trail statistics below.
Multiple sites may be selected. Infrared counters report the number of times the counter is passed, which is different than the number of users or visitors. Additional calibration factors have been applied to account for known errors.

Total Uses* 393,537

Average Daily 228

Missing 95 Days*

* Aggregate of all sites selected

Counter Sites



Air Line Trail East Hampton Air Line Trail Portland Air Line Trail Thompson Charter Oak Greenway Manchester CTFastrak Trail New Britain Farmington Canal Heritage Trail Cheshire Farmington Canal Heritage Trail Hamden Farmington Canal Heritage Trail New Haven **G&S Trolley Trail Groton** Hop River Trail Bolton Hop River Trail Vernon Larkin State Bridle Trail Oxford Middlebury Greenway Naugatuck River Greenway Trail Derby Norwalk River Valley Trail Wilton Riverfront Recapture Trail East Hartford Riverfront Recapture Trail Hartford Shoreline Greenway Trail Madison Still River Greenway Brookfield Sue Grossman Trail Torrington

REPORTS

TRAIL CENSUS REPORTS

Special Reports

COVID 19 Trail Impacts .pdf - April 13th, 2020

Making Connections: Completing the Hop River-Charter Oak Gap .pdf - March 9th, 2020

Farmington and Cheshire Trail Usage Report docx - August 15th, 2020

Bolton Hop River Trail Zip Code Report .pdf - July 1st, 2020

Count Reports

2019 Trail Use Count Report .pdf - March 17th, 2020

2018 Trail Use Count Report .pdf - March 15, 2019

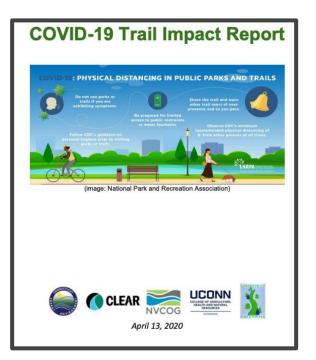
2017 Trail Use Count Report .pdf - February 12th, 2018

Survey Reports

2019 Intercept Survey Report .pdf - March 9th, 2020

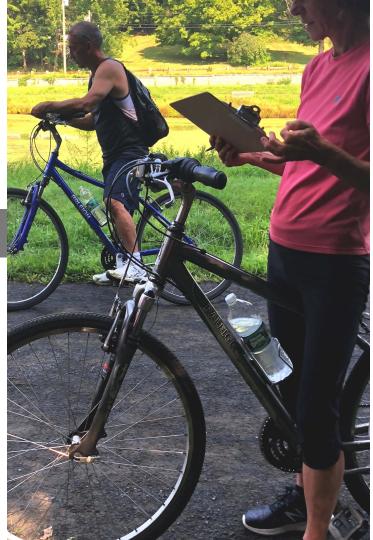
2018 Intercept Survey Report .pdf - March 15th, 2019

2017 Intercept Survey Report .pdf - February 12th, 2018

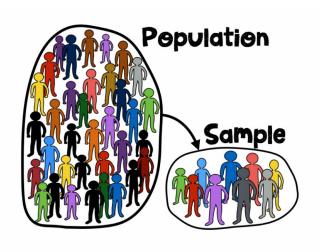


Intercept Surveys

Volunteer assessed
Paper survey (suspended)
Why and how are trails used
Demographics, spending & health



Why Survey?



We can't interview every trail user, so we take a sample.

Sampling recommendations aim to reduce error so the sample is representative of the total population.

About the survey

- Data collected by volunteers belongs to partners
- Partners provide data to the Trail Census for inclusion in annual analysis
- Survey reviewed annually by the survey workgroup
- NOT a way to generalize about all Connecticut trail users
- NOT a way to understand users on the entire trail
- NOT a university research project

Survey questions

Goal to understand trail users and their behaviors at a particular point on the trail

Where they come from?

When they use the trail, how often and how long?

Do they spend money on the trail?

Demographics

Experience: Favorite things/what could be improved

QR survey volunteer duties

Sites have been allocated lawn signs and posters for the QR Survey.

→ Check posters and lawn signs weekly and notify the Census of any change







This is a survey about trail use, conducted by the Connecticut Trail Census. It will take about 5 minutes.

All data and information collected will be aggregated, kept confidential, and your responses will not be individually identifiable. At the end of the survey you will have the opportunity to provide your email, if you so choose, to receive additional information about the study and information about participating in ongoing research. Your contact information will not be sold or disseminated to any other parties for any other purpose. The aggregated data set and data report will be made publicly available for researchers and the general public at http://cttrailcensusuconn.edu. You do not have to participate if you do not want to. If you agree to complete this survey, but later change your mind, you may stop at any time. There are no penalties or consequences of any kind if you decide that you do not want to participate. This project has been approved under UConn IRB Exempt Study Number XI6-IBI. Click to view the participant

For more information contact the Principal Investigator. Laura Brown, University of Connecticut Department of Extension, 203-407-3157, Jaura brown, Queonnedu

- O Yes, I would like to participate in the survey.
- O I do not wish to participate at this time.

information sheet.

http://s.uconn.edu/censuspreview





Counter Monitoring Why?

We only see counters quarterly

We want to catch issues early:

- Malfunction
- Insects
- Vegetation
- Vandalism



Counter Monitoring How?

Periodic - At least 2x/month

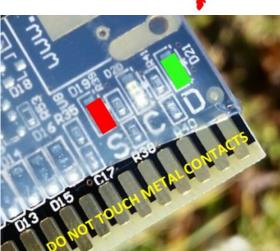
- Still There?
- Vandalism?
- Obstructed? (Clear it if you can)
- Is it working?
 - Open it up
 - Red 1x/5 seconds
 - Green when tripped

Beware of bees / avoid wet weather







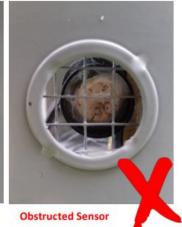


Counter Monitoring How?

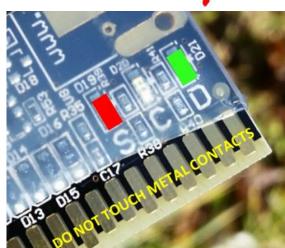
Report to cttrailcensus@gmail.com:

- Tampering/Vandalism
- Obstruction (even if cleared)
- Red light not flashing
- Red light flashing rapidly
- Green light not flashing when tripped
- Green light flashing when not tripped
- Anything out of the ordinary









Manual Counts Why?

In-Person Counts:

- Used to develop a calibration factor for more accurate IR counts
 - Typically Undercount
- Collect information that IR counters cannot:
 - Mode (Bike, Ped, Other)
 - o Group size
 - # of children



You will need...

- A watch with a second hand OR a smartphone with service at counter location
- Clipboard*
- Manual Count Form*
- Pen/Pencil*
- One page instruction sheet*



1. Synchronize with "Official US Time"

- Counters are on US Official Time (DST) <u>www.time.gov</u>
- All manual counts need to start at the top of the hour and continue for entire hour.







- 1. Synchronize with "Official US Time"
- 2. Choose A Location
 - Line of sight to counter
 - Bring a chair or sit in car
 - Be unobtrusive you should be a passive observer!



- 1. Synchronize with "Official US Time"
- 2. Choose A Location
- 3. Check the Counter
 - Is it working?
 - Clear Scope?
 - Red 1X/5 seconds.
 - Green when tripped.



- 1. Synchronize with "Official US Time"
- 2. Choose A Location
- 3. Check the Counter
- 4. Prepare Count Form
 - Date
 - Location
 - Volunteer Name
 - Time Start (<u>www.time.gov</u>)
 - Weather

A 2	Connecticut Trail Census	
· ·	Statewide multi-use trail user study	

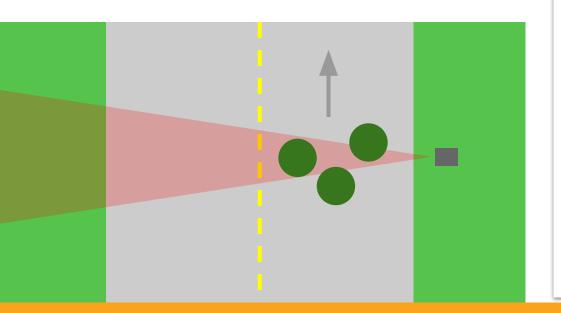
Manual Count Form

ocation	Date	All times Eastern Daylight Saving (www.time.gov). Begin at top of the hour, record for full ho Record groups on the same line. Record bicyclists and pedestrians separately. Record strollers, skateboards, wheelchairs, etc. as "other", list type in comments.
lame ime Start	:00 am Count 1 Hour	
Veather		Send scanned completed forms to: cttrailcensus@gmail.com , and return original with surveys

	Time	Ped	Bike	Other	Comment	#<18		Time	Ped	Bike	Other	Comment	#<
1							41		\perp				
2							42		\perp				
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20		+					60		-		-		
21		+					61		-				
22		+					62						-
23		+	1				63		-				-
24		+					64		+				
25		+					65		-				-
26		+				_	66		-				_
27		+	1				67		-				_
28							68		+				_
29		_					69		-				-
30		+	_				70		+				_
31		+	-				71		-		-		_
32		+	-			_	72		-				_
33		+	-				73		\vdash				_
34		+	1			_	74		+				_
35		+	-				75		+		_		_
		+	-				76		\vdash	-	-		-
36		+	\vdash	-			77		\vdash	-	-		_
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39		-	-				79	ķ.	-				_
40							80						

Examples:

Group of 3 walking



Connecticut Trail Census

Statewide multi-use trail user study

Date 6/2/2019

Location Name Hop River - Bolton

Aaron Budris

Time Start

11:00 count 1 Hour

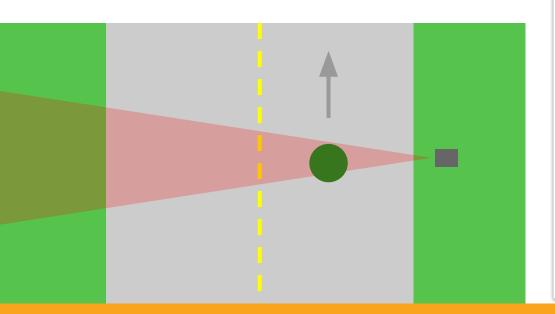
Weather 75 degrees, sunny

All times Eastern Daylight Saving (www.tim Record groups on the same line. Record bi Record strollers, skateboards, wheelchairs, Record additional activity in comments - jc Estimate the number of children (under 18 (note that children should be included as " Send scanned completed forms to: cttrailc

#	Time	Ped	Bike	Other	Comment	#<18	#	Time
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2	11:11	1.			running		42	
3	11:15	1		1.	walking with stroller	1	43	
4	11:17	1			walking dog		44	
5	11:18		1				45	
6	11:23		4		group of cyclists		46	
7	11:26	1			walking		47	
8	11:33	2	2		adults with kids on bikes	2	48	
9	11:40	2			running		49	
10	11:42		1.		teen on bike	1	50	
11	11:45	1.		2	walking w/double stroller	2	51	
12	11:45	1			walking		52	
13	11:49	3		1	walking, 1 in wheelchair		53	
14	11:51	1-		1	walking, scooter	1	54	
15	11:55	1			running		55	
16	11:57			1	teen on skateboard	1	56	
17	11:59	2		2	2 adults, 2 strollers	2	57	
18							58	
19							59	
20							60	

Examples:

Single runner



Connecticut Trail Census

Statewide multi-use trail user study

Date 6/2/2019

Location Name Hop River - Bolton Aaron Budris

Time Start Weather

11:00 pm Count 1 Hour

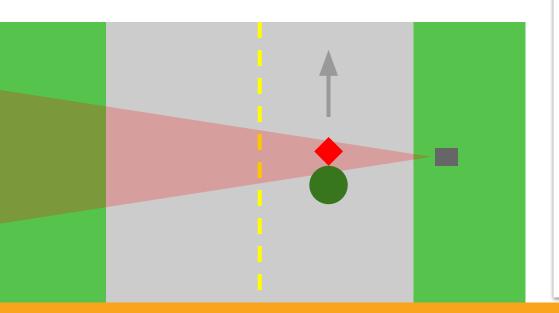
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Examples:

Adult pushing a stroller



Connecticut Trail Census

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Time Start Weather

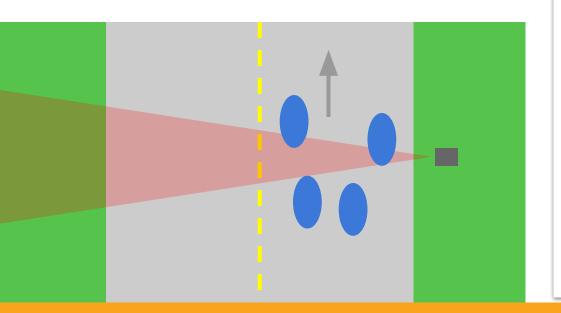
11:00 mCount 1 Hour
75 degrees, sunny

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18							58	
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Examples:

4 adult bicyclists



Connecticut Trail Census

Statewide multi-use trail user study

Date 6/2/2019

Location Name Hop River - Bolton Aaron Budris

Time Start

11:00 count 1 Hour

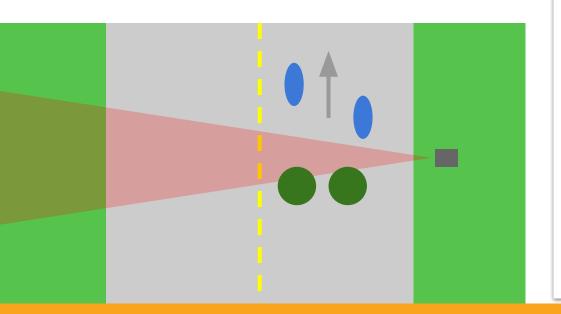
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20							60	

Examples:

2 adults walking with 2 children on bicycles



Connecticut Trail Census

Statewide multi-use trail user study

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Time Start

11:00 Count 1 Hour

Weather 75 degrees, sunny

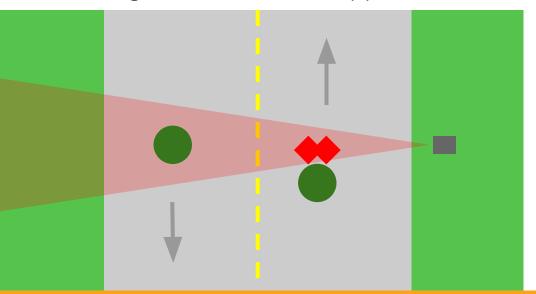
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19	-						59
20							60

Examples:

Adult pushing a double stroller (occupied)

AND single adult walker in opposite direction



Connecticut Trail Census

Statewide multi-use trail user study

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Location Name Hop River - Bolton Aaron Budris

Time Start 11:

11:00 mCount 1 Hour

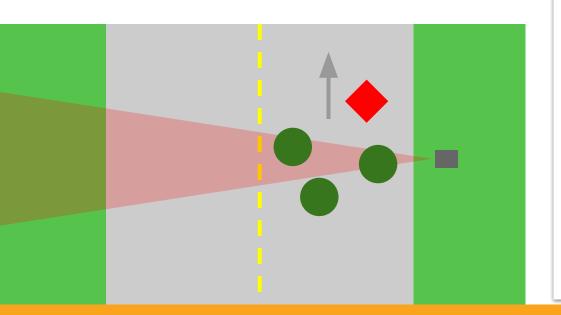
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19	l _a						59	
20							60	

Examples:

4 adults - 3 walking, 1 in a wheelchair



Connecticut Trail Census

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18							58	
19							59	
20							60	

At the end of the hour:

- Total up all peds, bike and others
- Begin a new sheet if continuing
- E-mail a scan or image of the sheet to cttrailcensus@gmail.com

Connecticut Trail Census Statewide multi-use trail user study

Manual Count Form

Date 6/2/2019 Hop River - Bolton

ame Aaron Budris
ime Start 11:00 pm Count 1 Ho
/eather 75 degrees, sunny

All times Eastern Daylight Saving (www.time.gov). Begin at top of the hour, record for full hour. Record groups on the same line. Record bicyclists and pedestrians separately. Record strollers, skateboards, wheelchairs, etc. as "other", list type in comments. Record additional activity in comments - jogging, walking dog, etc.

Estimate the number of children (under 18) in the group in "#<18" column.

(note that children should be included as "Ped, Bike or Other" as well)

Send scanned completed forms to: Cttrailicensus@gmail.com, and return original with surveys.

weather	15 aug	Jr 6653 30	army									
# Time	Ped	Bike	Other	Comment	# <18	#	Time	Ped	Bike	Other	Comment	# < 18
1 11:04	3			walking		41						
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39		\vdash				79						\neg
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For best results...

- 10 full hours per year per counter
- Varied days of week and time of day
- Avoid bad weather/ low volume times
- Get there early!
- Counts most important to record if you get overwhelmed
- Official US time & full hours
- Record anything else of note



Connecticut Trail Census

Manual Count Form

75 dearees, sunnu

All times Fastern Daylight Saving (www.time.gov), Begin at top of the hour, record for full hour. Record groups on the same line. Record bicyclists and pedestrians separately. Record strollers, skateboards, wheelchairs, etc. as "other", list type in comments. Record additional activity in comments - jogging, walking dog, etc.

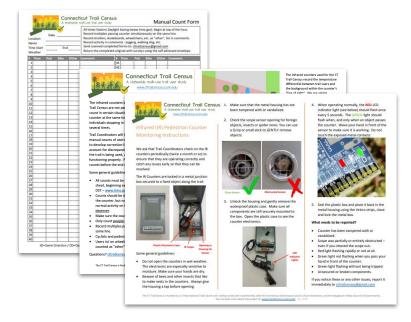
Estimate the number of children (under 18) in the group in "#<18" column. (note that children should be included as "Ped, Bike or Other" as well) Send scanned completed forms to: cttrailcensus@gmail.com, and return original with surveys.

#	Time	Ped	Bike	Other	Comment	# <18		Time	Ped	Bike	Other	Comment	# < 18
1	11:04	3			walking		41						
2	11:11	1			ranning		42						
3	11:15	1		1	walking with stroller	1	43						Т
4	11:17	1			walking dog		44						
5	11:18		1				45						
6	11:23		4		group of cyclists		46						
7	11:26	1			walking		47						
8	11:33	2	2		adults with kids on bikes	2	48						\top
9	11:40	2			running		49						
10	11:42		1		teen on bike	1	50						
11	11:45	1		2	walking w/double stroller	2	51						
12	11:45	1			walking		52						
13	11:49	3		1	walking, 1 in wheelchair		53						\top
14	11:51	1		1	walking, scooter	1	54						T
15	11:55	1			running		55						
16	11:57			1	teen on skateboard	1	56						
17	11:59	2		2	2 adults, 2 strollers	2	57						\top
18							58						\top
19							59						\top
20							60						
21							61						
22							62						
23							63						
24							64						
25							65						
26							66						
27							67						
28							68						
29							69						\Box
30							70						T
31							71						T
32							72						T
33							73						Т
34							74						
35							75						T
36							76						
37							77						
38							78						
39							79						
40				İ			80						
					Н	OUR	TC	TALS:	20	8	8	= 36	1

Information/ Support Volunteer Resources Section

www.cttrailcensus.uconn.edu

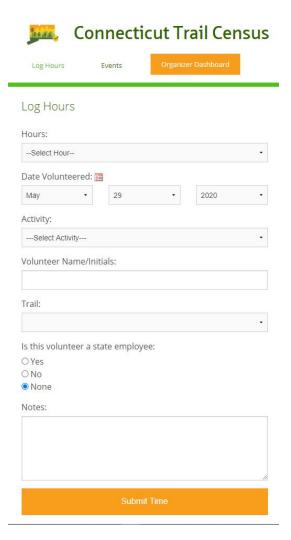




- → Blank Manual Count Forms
- → Short Instructional Videos
- → Instruction Sheets
- → Volunteer Time Portal
- → Webinar Recordings

Other Volunteer Responsibilities

Volunteer hour tracking
Talk to local decision makers
Be in touch & get involved
Use the data!



Next steps & opportunities

- Statewide Trailfinder mapping project DEEP & DOT
- Research on Trails and Community/Family Resilience
- Bike Walk CT / community education programming
- Multi-State Colloquium on Bike/Ped Monitoring
- Advisory committee

Questions/Discussion



cttrailcensus@gmail.com