# **Connecticut Trail Census**

A statewide multi-use trail user study and volunteer data collection program

PROGRAM WELCOME WEBINAR NOVEMBER 17, 2016





2016-2017

# **CT Trail Census**

Pilot funded by DEEP Rec Trails grant 12 trails selected to participate











DEVELOP A BETTER UNDERSTANDING OF MULTI-USE TRAIL USE IN THE STATE AND TO MAKE THIS IMPORTANT INFORMATION AVAILABLE TO TRAIL USER GROUPS, ADMINISTRATORS, GOVERNMENT AGENCIES, AND THE GENERAL PUBLIC.

#### **STATEWIDE**

Understand when, who, how, and why people use multi-use trails. Use state data to educate trail user groups, administrators, state and local government agencies, and the general public about trails and their impacts

#### **MULTI-YEAR**

Obtain multi-year information about trail use, user demographics, economic impacts, and trail amenities for identification of patterns and trends

#### **VOLUNTEER-BASED**

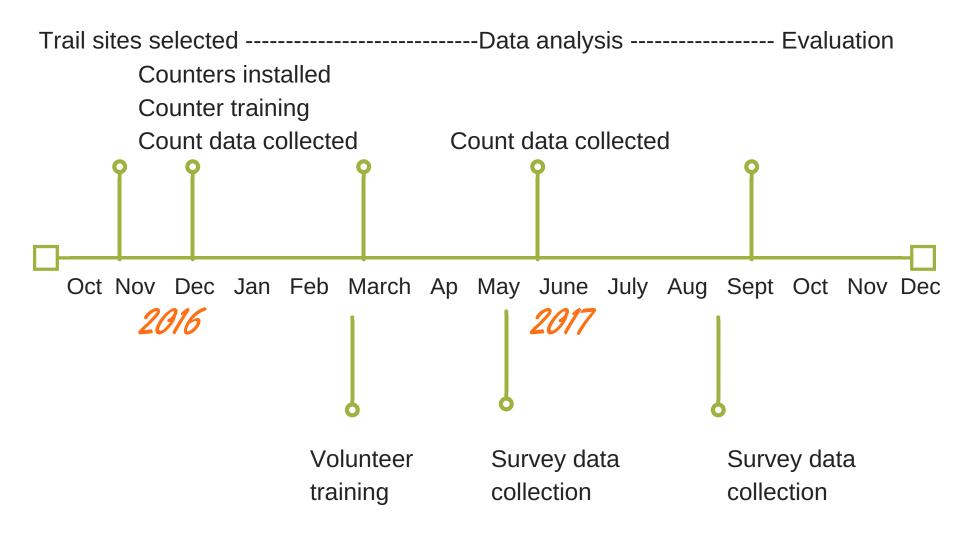
Promote active community participation in monitoring Encourage data informed trail building and maintenance programs.







#### TIMELINE

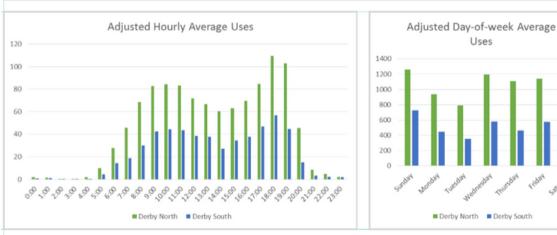




#### TRAIL LOCATIONS



# Derby-North (Division Street) 0:00 1:00 2:00 3:00 4:00 5:00 17:00 18:00 20:00 22:00 23:00 59 55 Precip Adjusted Daily Trail Uses = Over .10 inches of precipitation



# What Will Be Collected?

# **IR COUNTERS**

#### **12 COUNTERS**

Will count number of trail uses per hour 24/7/365

### **USE PATTERNS**

Hourly, Daily, Weekly, Monthly, Seasonal Impact of Weather Event Impacts

### **COMPARISONS**

Stone vs. Paved Is winter maintenance worth it? Before and after improvements Recreation vs. Transportation

#### INFRARED TRAIL COUNTERS













#### STANDARD SCREENLINE COUNT FORM

ame:		Location:	
ate:	Start Time:		End Time:
leather:			

Please fill in your name, count location, date, time period, and weather conditions (fair, rainy, very cold). Count all bicyclists and pedestrians crossing your screen line under the appropriate categories.

- Count for two hours in 15 minute increments.
- Count bicyclists who ride on the sidewalk.
- Count the number of people on the bicycle, not the number of bicycles.
- Pedestrians include people in wheelchairs or others using assistive devices, children in strollers, etc.
- People using equipment such as skateboards or rollerblades should be included in the "Other" category.

	Bicycles		Pedestrians		Others
	Female	Male	Female	Male	
00-:15					
15-:30					
30-:45					
45-1:00					
1:00-1:15					
1:15-1:30					
1:30-1:45					
1:45-2:00					
Total					

# Trail Coordinator Responsibilities

# IR COUNTERS

### **INSTALLATION**

Municipal Permission
Notification of Parks/ Public Works
In Person Training and Install Assistance

### **MONITORING**

Occasional checks (2-weeks)
Is it Working?
Any Tampering of Vandalism?

### **MANUAL COUNTS**

Two Hour Counts of Actual Trail Users For Counter Calibration Once Or Twice/ Quarter



# What Will be Collected?

# **SURVEYS**

### **ABOUT USERS**

Zip code, Age, Income, Level of health

### **ABOUT USE**

Mode of transport to the trail
Primary activity
Frequency of use
Seasonal use
Primary purpose for use

### **SPENDING DATA**

Amount spent during visit

### **IMPROVEMENTS**

What do people want?

Chart 5: Respondents by Age (n=374)

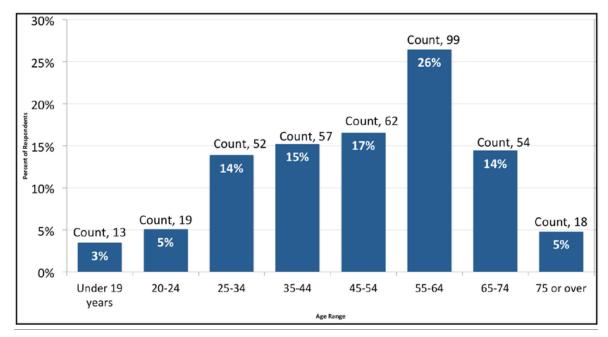
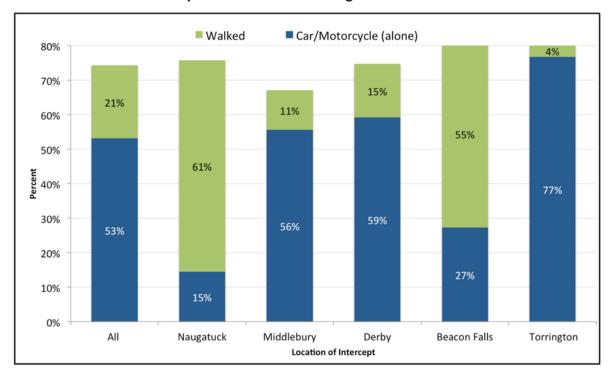


Chart 8: Method of Transportation to the Trail Single - Car Use & Walkers



# What Will be Collected?

### **SURVEYS**

### **ABOUT USERS**

Zip code, Age, Income, Level of health

#### **ABOUT USE**

Mode of transport to the trail
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#### **SPENDING DATA**

Amount spent during visit

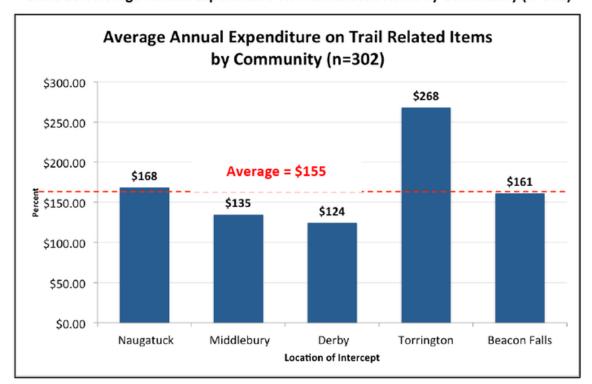
#### **IMPROVEMENTS**

What do people want?

Table 1: Average Distances Travelled in Home Zip Codes from Residence to Trailhead<sup>3</sup>

	Home Zip Code	Square Miles	Average Distance of Resident to Trailhead
Naugatuck	06770	16.72	1.97
Middlebury	06762	17.41	2.01
Derby	06418	5.07	1.08
Beacon Falls	06403	9.67	1.50
Torrington	06790	41.57	3.10

Chart 10: Average Annual Expenditure on Trail Related Items by Community (n=302)



# What Will be Collected?

# **SURVEYS**

#### **ABOUT USERS**

Zip code, Age, Income, Level of health

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Mode of transport to the trail
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### **SPENDING DATA**

Amount spent during visit

### **IMPROVEMENTS**

What do people want?

#			
**			

#### **Greenway Trail User Survey**

None of the information gathered in this survey will be used to identify you individually. All data will be kept confidential and will be aggregated for our analysis.

1.	Wh	nat is your home Zip Code?
2.	Ho	w did you get to the trail today? Car/Motorcycle (alone) Car/Motorcycle (with someone else) Public Transit (Bus/ Train) Bicycle Walked Run/ Jog Other
3.	tra	w often, on average, do you use this il? Daily 3-5 times/ week 1-2 times/ week 2-4 times/ month 1-2 times/ year
4.	use	ring which seasons do you generally the trail? (select all that apply) All Year Summer Fall Winter Spring

_							
5.		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					
		today? (select all that apply)					
	_	Exercise					
	_	Recreation					
	_	Travel to work					
		Travel to school					
		Tourism/ sightseeing					
		Other	_				
6.	on use ren	out how much do you s goods or services relate e? Include gear, clothing stal, repairs, auto access	d to your trail , equipment				
7.		On this visit, about how much will you					
	-	end on the following (w	•				
		/erages	\$				
		acks (energy bars, etc)	\$				
	Me	als at a restaurant	\$				
	Gas		\$				
		tail (gifts, clothing, etc)					
		uipment rental	\$				
		dging	\$				
		arby activities					
		creation/ amusements)					
	Oth	ner	\$				
8.	loc	you consider the trail a al community? Yes No	n asset to the				
		Not Sure					

9.	Do	you feel that the trail has impacted
		perty values in the area?
		Yes - Positively
		Yes - Negatively
		Not Sure
10.		nere was one thing you could improve ut the trail, what would it be?
11.	W	nat is your age range?
		Under 19
		20-24
		25-34
		35-44
		45-54
		55-64
		65-74
		75 or over
12.	W	nat interval best represents your
	ho	usehold income?
		Under \$24,999
		\$25,000 - \$49,999
		\$50,000 - \$99,999
		\$100,000 - \$199,999
		Over \$200,000

Data collection weeks

May 13-21, 2017 September 16-24, 2017

Based on volunteer availability

Two hours of data collection on a weekday (Tuesday, Wednesday or Thursday) and two hours of data collection on a weekend (Saturday)

# Trail Coordinator Responsibilities

### INTERCEPT SURVEYS

#### **VOLUNTEER RECRUITMENT**

Ensuring 3 volunteers available for each data collection time Notification of Parks/ Public Works

#### **VOLUNTEER MANAGEMENT**

Ensure volunteers participate in methods training

Track volunteer hours

#### **POINT OF CONTACT**

Make sure volunteers have survey box Serve as local point of contact Ensure that paper surveys are collected/handled appropriately

#### VOLUNTEER TRAINING

# Participants will learn:

Goals and purpose of the CT Trail Census, about data collection methods, where to find more information about CT trails

- Infrared Counter Management
- Logistics for the day of survey data collection
- Standards for consent, confidentiality and information for participants
- How to complete the observed data section of the survey
- How to approach trail users on foot, bicycle or horse
- How to aid those who request assistance completing the survey
- Checking surveys for completeness of data and tracking refusals
- What to do with completed surveys
- How the data will be used how participants can access data
- Tracking your volunteer hours (Track it Forward)



#### VOLUNTEER TRAINING

# Training dates

#### **Tuesday March 7, 2017, 4-6 pm**

Tolland County Extension Center
24 Hyde Ave, Vernon, CT 06066
Snow Date Tuesday March 14, 2017, 4-6 pm

#### Wednesday, March 8, 2017, 6-8 pm

New Haven County Extension Center 305 Skiff St, North Haven, CT 06473 Snow date Wednesday March 15, 2017 6-8 pm

#### Saturday March 11, 2017, 9 am -11 am

New Haven County Extension Center 305 Skiff St, North Haven, CT 06473



#### **VOLUNTEER TRACKING**

#### Connecticut Trail Census

	Log Hours	Charts	Event Sign-ups	Account	
Log Hours			Timesheet		
Hours:			Date	Activity	Hours
Select Hour		•	11/13/16	IR Counter Work	
Date Volunteered:			11/13/10	IR Counter Work	3
Nov • 17	- 20	016	11/11/16	IR Counter Work	2
Activity:				Total	5
Select Activity		•			
Volunteer:					
Trail:					
		•			
Notes:					
	_				
Submit Time					
© 2016 Track it Forward	© 2016 Track it Forward About   Succ				of Service   Support r Volunteer Organizer

# To build awareness and partnerships

..."to focus fundraising efforts, provide information on where public awareness is strong and where more can be done, and expand our partnership base. Having valid information to make strategic decision with will make our planning and construction efforts more accurate and effective."



# To advocate for trails

"We feel that solid, specific evidence of the use and popularity of this trail, rather than anecdotal material, will help us to make a strong case for all the work we are doing to expand the network of trails and to link them to trails in our surrounding communities."



# To make effective improvements

"..to better the trail in these areas and add more user friendly equipment such as bike pumps, bike racks and fitness centers."





# To improve community planning efforts

".. Development of an effective maintenance plan by identifying short-term (yearly) and long-term tasks through forming synergies with both local and state organizations."

"This data will not only help other communities with planning for their segments of the [trail], but will also be very helpful for current economic development and transportation work being done in [these communities]."



# To engage young people

"...the data will provide a unique "teachable moment" for students in understanding the need for taking the public's feedback and analyzing the feasibility of implementing those suggestions with the current resources."

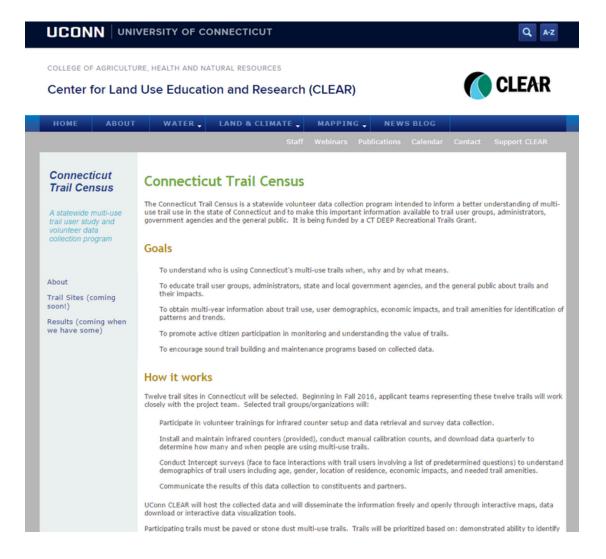


# To support fundraising-grant efforts

"...establish more credibility to our requests for resources (funding and equipment)." "We may be able to use the data in our application for bike friendly status."



www.clear.uconn.edu/projects/ct\_trail\_census/





# LONG TERM PROGRAM VISION

Self sufficient volunteer based data collection program

Annual benchmarking to understand how trail use changes over time

Data used for substantial statewide economic impact analysis

Research opportunities for comparison of trail users to the general population

More efficient use of existing resources

Better utilized and integrated trail systems
Improved economic opportunities and public health



# THANK YOU!

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