

→ The “Just Right” Trail User Counting and Surveying Program

Eastern Pennsylvania Greenways & Trails Summit
October 1, 2018



**EASTERN PENNSYLVANIA
GREENWAYS & TRAILS SUMMIT**

→ Panelists

Torsha Bhattacharya, PhD is Director of Research for the Rails-to-Trails Conservancy, a nonprofit organization dedicated to creating a nationwide network of trails from former rail lines and connecting corridors to build healthier places for healthier people.



→ Panelists

Brian Greene is Trail Programs Manager for the Delaware & Lehigh National Heritage Corridor, a public-private partnership to conserve cultural and natural resources along the 165 mile Delaware & Lehigh Canal and Trail.



→ Panelists

Ray Bieak is a Commissioner and the Treasurer for the Ironton Rail-Trail. The Ironton Rail-Trail is a multi-use trail link between the communities of Whitehall Township, Borough of Coplay, and North Whitehall Township in Lehigh County.



→ Automated Counter Overview

- Passive Infrared
- Pneumatic Tube
- Inductive Loops
- Piezoelectric Strips
- Combination



→ Automated Counter Overview

- Passive Infrared
- Pneumatic Tube
- Inductive Loops
- Piezoelectric Strips
- Combination



→ Automated Counter Overview

- Passive Infrared (T or P)
- Pneumatic Tube
- Inductive Loops
- Piezoelectric Strips
- Combination



→ Automated Counter Overview

- Passive Infrared (T or P)
- Pneumatic Tube (T)
- Inductive Loops
- Piezoelectric Strips
- Combination



→ Automated Counter Overview

- Passive Infrared (T or P)
- Pneumatic Tube (T)
- Inductive Loops (P)
- Piezoelectric Strips (P)
- Combination



→ Automated Counter Overview

- Passive Infrared (T or P)
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- Combination (T or P)



→ Manual Counts and Surveys

- Manual Counts
- Intercept Surveys
- Smart-phone Surveys
- Mail-back Surveys
- Thumbs-up/Thumbs-down Surveys
- Phone surveys



→ Rails-to-Trails Conservancy



→ PA Eco Counter Dashboard

Rails-to-Trails Conservancy MASTER

22 Counters

English



From 08/08/2014

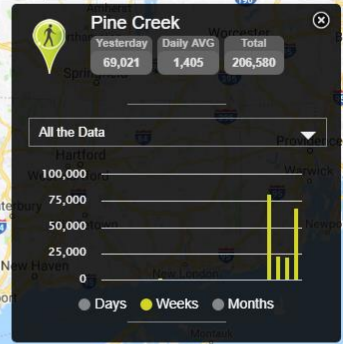
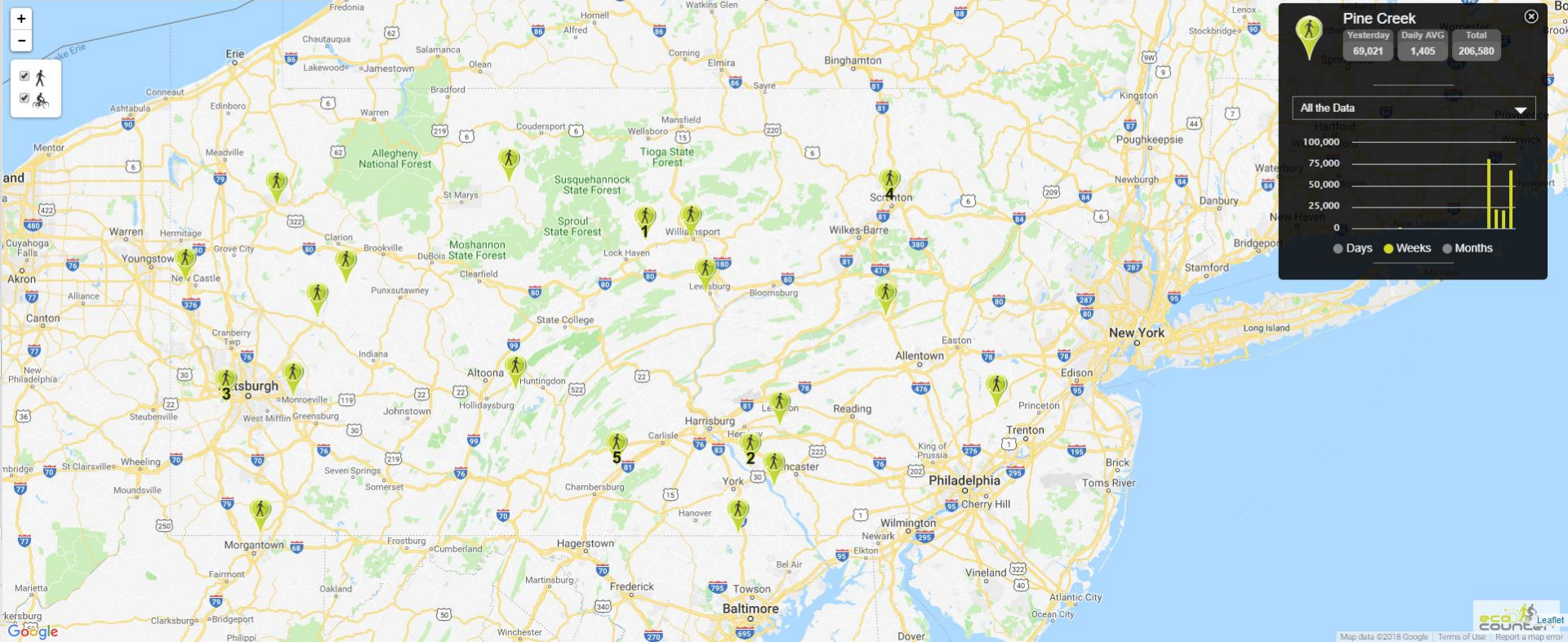
To 14/09/2018

1. Pine Creek	<div style="width: 100%;"></div>	206,580
2. NW River Trail	<div style="width: 90%;"></div>	188,546
3. Panhandle Trail Corridor	<div style="width: 80%;"></div>	183,609

Total counts:
1,480,247

Daily Average:
281

more..



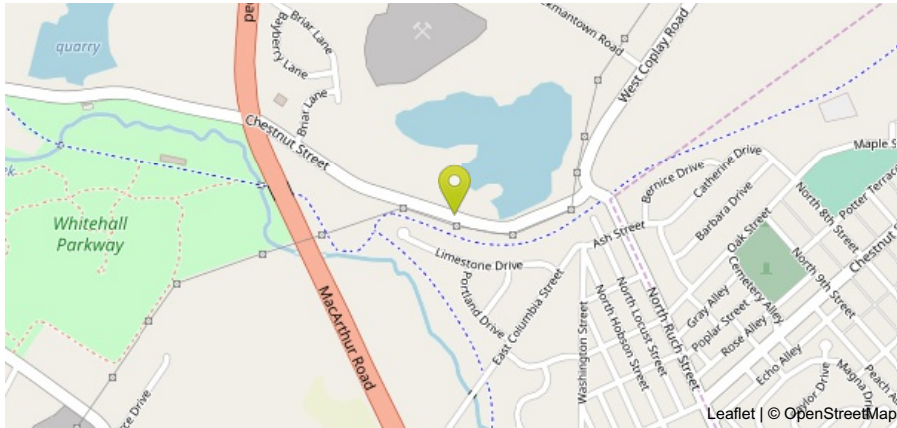


Ironton Rail-Trail

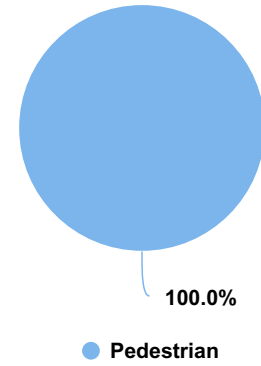
Bieak Ray

09/26/2018

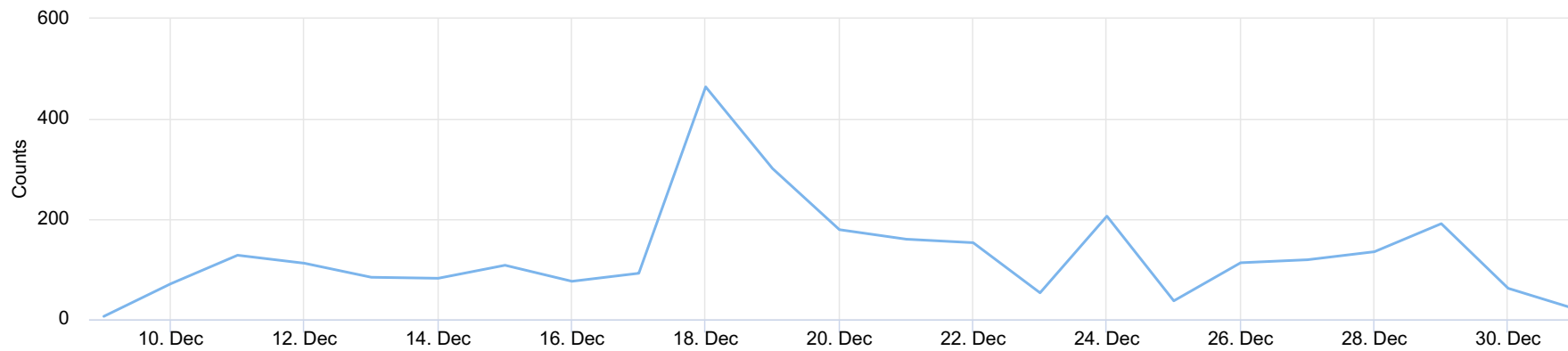
Location



Key Figures Pie Chart



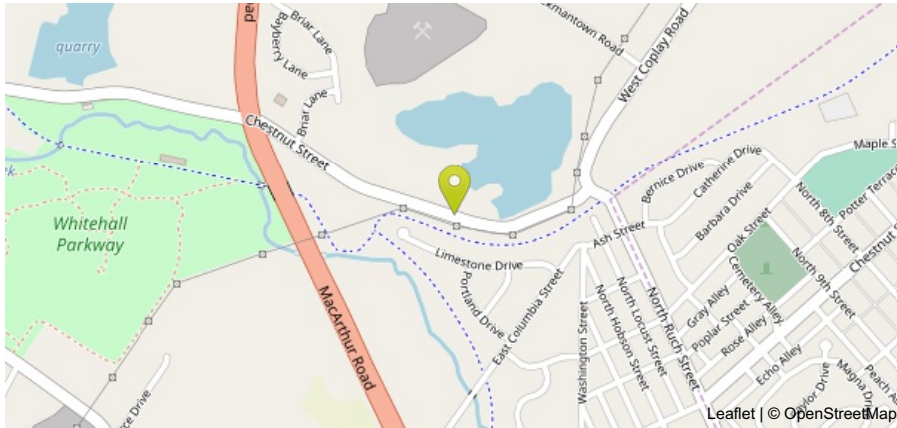
Time Series Chart



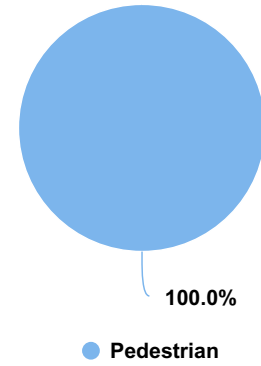
Key Figure Summary

Site	Total	Average	Peak Count	Peak Period
X2117072617	2,953	128	464	Mon Dec 18, 2017
IN	1,817	79	272	Mon Dec 18, 2017
OUT	1,136	49	192	Mon Dec 18, 2017

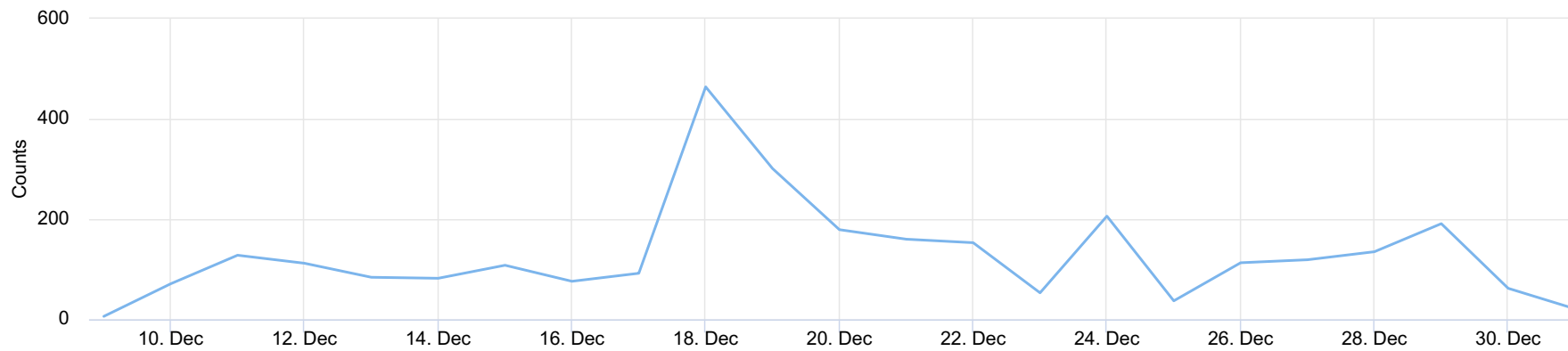
Location



Key Figures Pie Chart



Time Series Chart



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Trail Counter Planning Worksheet

Created by Delaware and Lehigh National Heritage Corridor

Use this worksheet to help plan how to design a trail counter system to manage trails better.

Why do you want to use trail counters? Write down question(s) you want to use this data to answer.

-
-
-

What type of data do you need / want to collect? Circle all that apply.

Count Date Time Direction of travel Travel mode Distance Unique ID Trip Type

Type of counter(s) you need to purchase: _____

What location(s) do you need to monitor? Draw a simple map of the trail and mark location of counters



What timeframe do you need to monitor the trail for to answer your question(s)?

How often will you download the data?

How often will you calibrate the data?

Where will the data be stored?

Who will have access to it?

How will you use the data? Sketch out some ideas graphs, charts or figures you would like to produce from the data on the back of this sheet.