

“They was taking plaster tire tracks, foot prints, dog smelling prints, and they took twenty seven eight-by-ten colour glossy photographs with circles and a

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## Choosing and Migrating to a New Stewardship Database

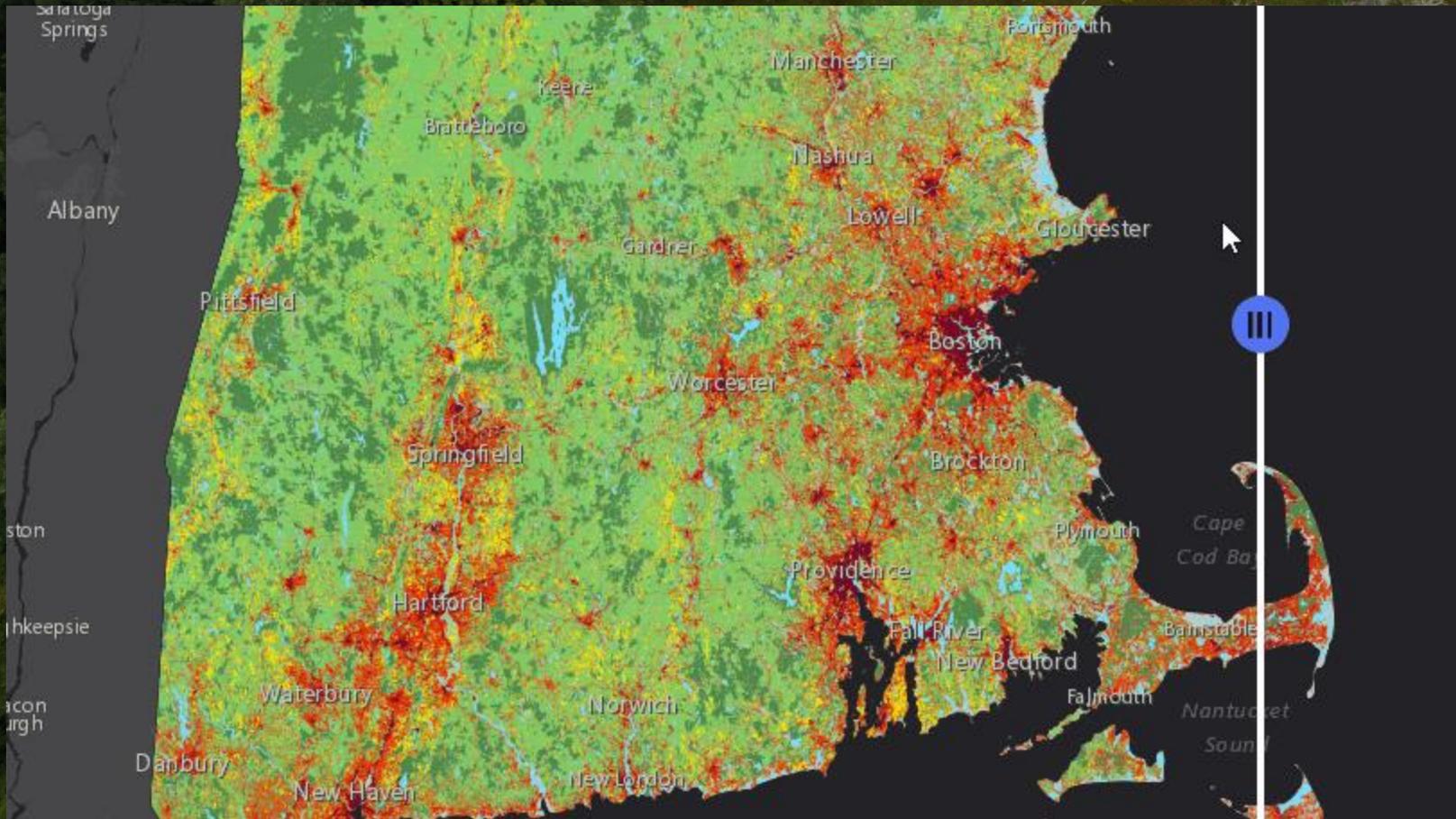


March 28, 2019

**Time:** 2-3:30 p.m. Eastern

**Instructor(s):** Karen Graham, Luke Iverson, Kate Losey & Lisa Shealy

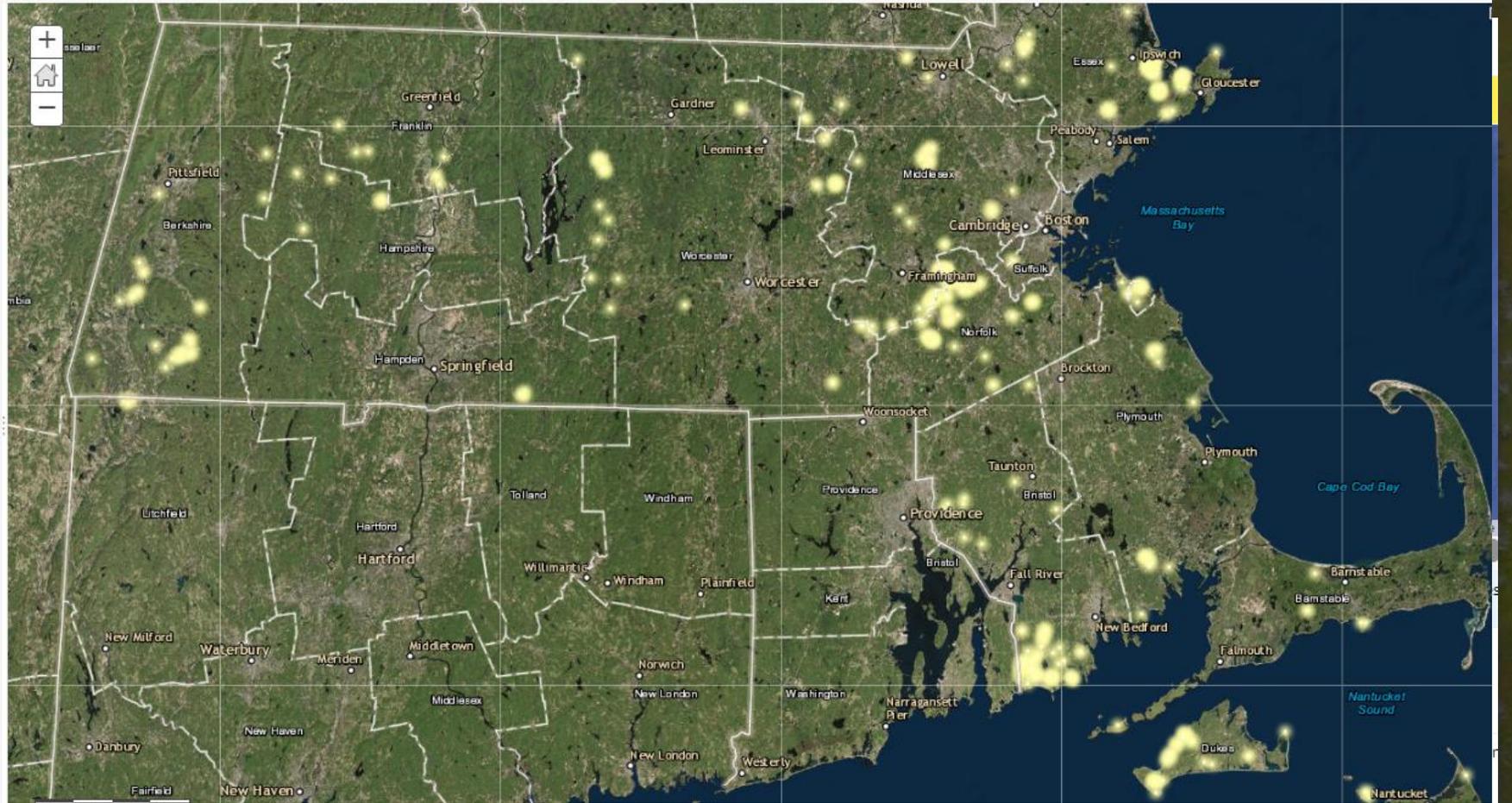
**Cost:** \$65 members | \$100 non-members



Frightening imagery courtesy Harvard Forest and <http://newenglandlandscapes.org/> 2019

Contents

- Map Notes
- Live Fulcrum Photopoints 2018 csv (beta)
- Risk Boundaries
- CRs Poly
- CR Lines
- RestrictionsMaster WithPropDescriptions withLinks
- CR Tracks
- MA Protected OpenSpace and Outdoor Recreation
- CRID Lat Long Name NoCombo
- CR Boundary Layer
- Imagery with Labels



[261.00] BROOKS WOODLAND WOODS (BILVESTRO)

[022.00] MAYHEW ISLAND

			AM						Westpor
	Follow-up	#261.00, Dike Creek-DeNormandie	1/17/2019, 10:35:23	Tim Moore	#261.00	NA	Dike Creek-DeNormandie	Bakerville Road	Dartmou

CR\_Datsets.mdb

A legend panel on the left side of the map interface, featuring several rows of colored swatches (red, yellow, green, blue, purple, black) and corresponding text labels that are mostly illegible due to blurring.



CR_Datsets.mdb	
ttor_crs	
building_envelopes	
ttor_crs_bnd_point	
ttor_crs_center_pts	
ttor_crs_line	
ttor_crs_poly	

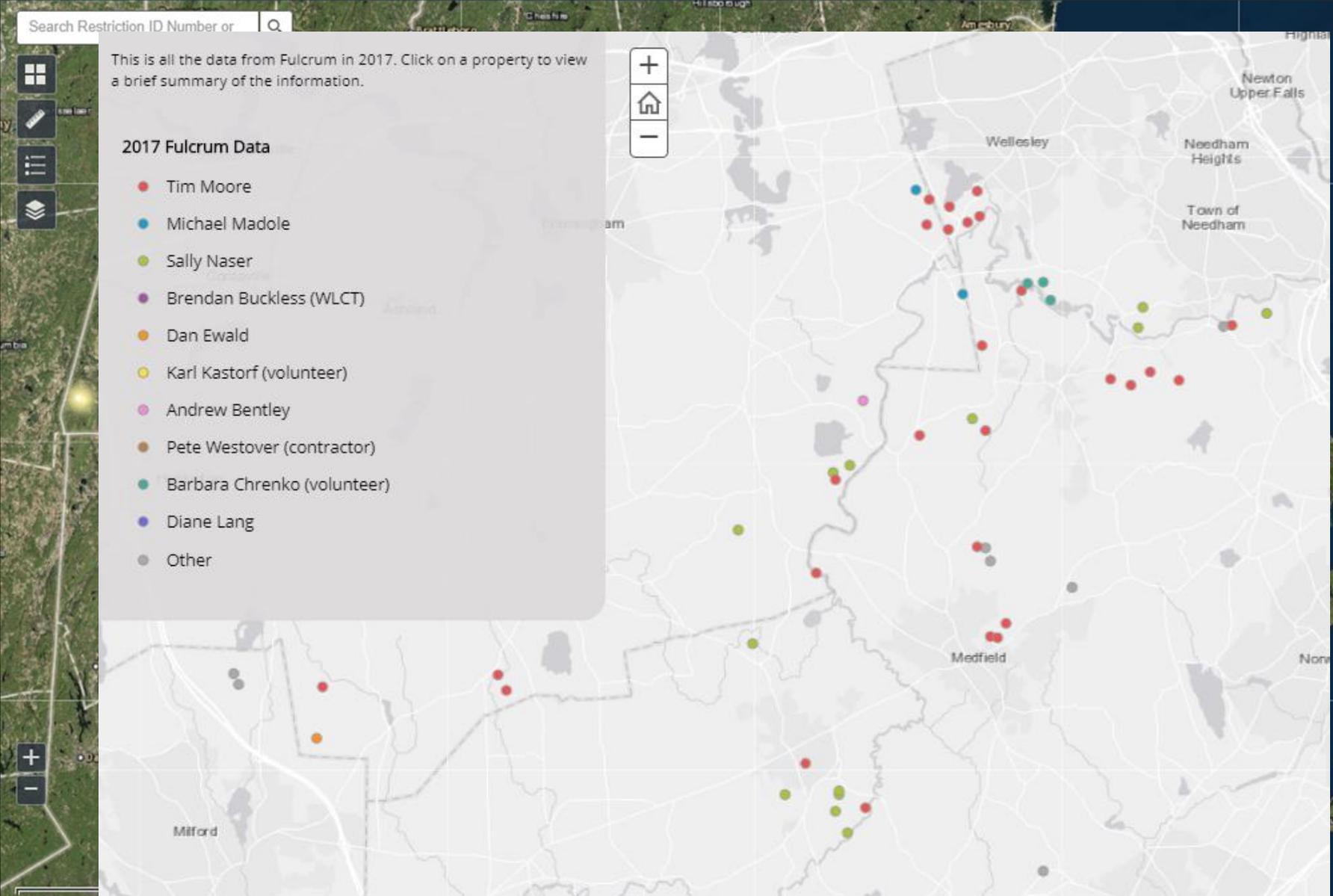




This is all the data from Fulcrum in 2017. Click on a property to view a brief summary of the information.

### 2017 Fulcrum Data

- Tim Moore
- Michael Madole
- Sally Naser
- Brendan Buckless (WLCT)
- Dan Ewald
- Karl Kastorf (volunteer)
- Andrew Bentley
- Pete Westover (contractor)
- Barbara Chrenko (volunteer)
- Diane Lang
- Other





Restrictions	Active Projects
<a href="#">[001.00] CHARLES RIVER-CAMPBELL I</a>	
<a href="#">[001.01] ROCKY NARROWS I (TTOR)</a>	
<a href="#">[002.00] ROCKY NARROWS II (TTOR)</a>	
<a href="#">[003.00] ROCKY NARROWS III (TTOR)</a>	
<a href="#">[004.00] FORK FACTORY BROOK (TTOR)</a>	
<a href="#">[005.00] BROOKS WOODLAND I (TTOR)</a>	
<a href="#">[006.00] CASTLE NECK RIVER-TOWNSEND REALTY TRUST I</a>	
<a href="#">[007.00] CASTLE NECK RIVER-TOWNSEND REALTY TRUST II</a>	
<a href="#">[008.00] BROOKS WOODLAND II (TTOR)</a>	
<a href="#">[009.00] CASTLE NECK RIVER-SHURCLIFF</a>	
<a href="#">[010.00] CASTLE NECK RIVER-J.INGELFINGER I</a>	
<a href="#">[011.00] CASTLE NECK RIVER-SHURCLIFF (HEIGHAM)</a>	
<a href="#">[012.00] CASTLE NECK RIVER-GOODALE (DUFFIELD)</a>	
<a href="#">[012.01] CASTLE NECK RIVER-ECGA</a>	
<a href="#">[012.02] CRANE WILDLIFE REFUGE I (TTOR)</a>	
<a href="#">[013.00] CASTLE NECK RIVER-J.INGELFINGER II</a>	
<a href="#">[014.00] CASTLE NECK RIVER-CLAPP</a>	
<a href="#">[015.00] PROSPECT HILL (TTOR)</a>	
<a href="#">[016.00] CASTLE NECK RIVER-RAYMOND</a>	
<a href="#">[017.00] CASTLE NECK RIVER (NAVINS)</a>	
<a href="#">[018.00] CASTLE NECK RIVER-F&amp;E INGELFINGER</a>	
<a href="#">[019.00] CASTLE NECK RIVER-TOWNSEND (ARGOSY TRUST)</a>	
<a href="#">[020.00] CASTLE NECK RIVER-OSBORNE</a>	
<a href="#">[021.00] BROOKS WOODLAND-MOORE (SILVESTRO)</a>	

## Restrictions - Brooks Woodland I (TTOR)

VIEW

Edit Item	Version History	Alert Me
Delete Item	Shared With	Workflows
New Workspace		

Manage: Actions:

Property | Contacts | Issues | Interaction Log | Requests and Approvals | Monitoring Reports

### Property Summary

Restriction Name	Brooks Woodland I (TTOR)
Restriction ID Number	005.00
Interest Type	Conservation Restriction
Amended/Restated CR	No
Building Rights	None
Restriction Co-holder	No
Restriction size (GIS/Survey Acreage)	6
Property Address	0 East Street, (see Notes on Directions)
Town(s)	<a href="#">Petersham</a>
County	Worcester
Notes on Directions	Property is "landlocked" within Brooks Woodland Preserve, behind #108 East St.
Property Description	CR 05.00 is just south of East St. At more than 600 acres, Brooks Woodland Preserve is the largest Trustees' property in the Central Region. The landscape is representative of north central Massachusetts, defined by rolling hills and river

Name	Date modified	Type
333.00.2018-12-18.Monitoring_Report.pdf	1/25/2019 10:39 AM	Adobe
329.00.2018-12-18.Monitoring_Report.pdf	1/25/2019 10:39 AM	Adobe
325.00.2018-12-12.Monitoring_Report.pdf	1/25/2019 10:39 AM	Adobe
324.00.2018-12-19.Monitoring_Report.pdf	1/25/2019 10:39 AM	Adobe
320.00.2018-12-10.Monitoring_Report.pdf	1/25/2019 10:39 AM	Adobe
319.00.2018-12-18.Monitoring_Report.pdf	1/25/2019 10:39 AM	Adobe
318.00.2018-12-10.Monitoring_Report.pdf	1/25/2019 10:39 AM	Adobe
311.00.2018-12-10.Monitoring_Report.pdf	1/25/2019 10:39 AM	Adobe
310.00.2018-08-23.Monitoring_Report.pdf	1/25/2019 10:39 AM	Adobe
273.00.2018-12-17.Monitoring_Report.pdf	1/25/2019 10:39 AM	Adobe
272.01.2018-12-19.Monitoring_Report.pdf	1/25/2019 10:39 AM	Adobe
272.00.2018-12-19.Monitoring_Report.pdf	1/25/2019 10:39 AM	Adobe
289.00.2018-08-23.Monitoring_Report.pdf	1/25/2019 10:39 AM	Adobe
326.00.2018-10-25.Monitoring_Report.pdf	1/25/2019 10:39 AM	Adobe
307.00.2018-09-13.Monitoring_Report.pdf	1/25/2019 10:39 AM	Adobe
304.00.2018-12-11.Monitoring_Report.pdf	1/25/2019 10:39 AM	Adobe
300.00.2018-12-18.Monitoring_Report.pdf	1/25/2019 10:39 AM	Adobe
308.00.2018-12-18.Monitoring_Report.pdf	1/25/2019 10:39 AM	Adobe
271.00.2018-09-25.Monitoring_Report.pdf	1/25/2019 10:39 AM	Adobe
331.00.2018-11-29.Monitoring_Report.pdf	12/31/2018 10:22 ...	Adobe
305.00.2018-12-04.Monitoring_Report.pdf	12/31/2018 10:22 ...	Adobe
303.00.2018-11-21.Monitoring_Report.pdf	12/31/2018 10:22 ...	Adobe
292.01.2018-12-17.Monitoring_Report.pdf	12/31/2018 10:22 ...	Adobe
292.00.2018-12-17.Monitoring_Report.pdf	12/31/2018 10:22 ...	Adobe
291.00.2018-12-12.Monitoring_Report.pdf	12/31/2018 10:22 ...	Adobe
285.00.2018-11-30.Monitoring_Report.pdf	12/31/2018 10:22 ...	Adobe
279.00.2018-12-12.Monitoring_Report.pdf	12/31/2018 10:22 ...	Adobe
277.00.2018-11-17.Monitoring_Report.pdf	12/31/2018 10:22 ...	Adobe

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# Fulcrum data collection app



**fulcrum** Trustees of Reservations ? ⚙️

🔍 Type to filter your apps - 12 total Setup Exports Imports + New App

Active ▾ Sort by Last Activity ▾

**Wildlife Camera App 2.0** 142 records  
Last activity about 1 hour ago

**Trustees Conservation Restriction Monitoring App 2018** shared 293 records  
App for the Trustees of Reservations Conservation Restriction Team -- for use in 2018.  
Last activity 9 days ago

**Site Visit Report** 18 records  
To document site visits which are not annual monitoring visits  
Last activity 23 days ago

an hour ago  
**CR Steward2 submitted 1 record in Wildlife Camera App 2.0.**  
0 created 1 updated 0 deleted

an hour ago  
**CR Steward2 submitted 1 record in Wildlife Camera App 2.0.**  
0 created 1 updated 0 deleted

2 days ago  
**Sally Naser submitted 3 records in Wildlife Camera App 2.0.**  
1 created 2 updated 0 deleted

8 days ago  
**CR Steward2 submitted 1 record in Wildlife Camera App 2.0.**  
0 created 1 updated 0 deleted

A map of Massachusetts showing various locations marked with colored dots (red, orange, green). A callout box for '#008.00, Brooks Woodland II-VI (TTOR)' is visible. Below the map is a table with columns for Status, Title, and Updated.

Status	Title	Updated
Issue documented	#271.00, Hawk Valley Farm	1/23/2019, 11:4
Follow-up Needed	#326.00, NSTAR / Adams Street Town Forest Additions	1/23/2019, 11:3
No Issues	#248.00, Horseneck Farm	1/17/2019, 10:3
Follow-up Needed	#261.00, Dike Creek-DeNormandie	1/17/2019, 10:3

# Fulcrum data collection app





#105.00, Brickyard (TTOR)

Location 41.37552291, -70.74413609
Status Follow-up Needed

Property Information

CR ID # #105.00
Combined report CR #(s) NA
Restriction Name Brickyard (TTOR)

Property and Contact Details

Property address Brickyard Road
Town Chilmark
CR Co-Holder NA
Legal Landowner Massachusetts Land Conservation Trust
Primary contact name(s) Chris Kennedy
Contact Email(s) ckennedy@thetrustees.org
Contact Phone Number(s) Business(508-693-7662 x12)
Contact Info Changes? No

Visit Contact Details

Who was contacted? Chris Kennedy
By Whom? Sally Naser
How were they contacted before the visit? (include all methods attempted and 'No Contact' if you did not have any exchange with CR representative) By email
If contact was made before or during the visit, how substantive was it? None
Did the owner or owner's representative: Accompany monitor on part of visit

Feedback and Notes

Landowner Feedback Extensive land improvements ongoing. More split rail fencing to be installed around chimney. Anticipating high visitor numbers when the property is officially opened.

Photo Documentation

Man Made Change

Choose a Man Made Change or Area of Interest Land clearing
Photos of Man Made Change or Area of Interest



Photos of Man Made Change or Area of Interest



Photo #17
Latitude: 41.37782
Longitude: -70.74406

Description of Man Made Change or Area of Interest Trespassing from trustees path on to neighboring CR.

Is this area in need of boundary clarification or investigation? Yes

Visit Summary

Monitor Name Michael Madole
Others on visit (Including Landowner/CR Representative - please state affiliation) Sally Naser
Date of visit 2018-10-29
Weather Conditions Sunny
Areas visited Interior, Access points, Boundaries - some
Brief description of areas visited (if necessary) From 150.00 to Brickyard
Time spent monitoring (in hours) 1.5
Did you see a possible violation or issue that needs CR staff review, or is any follow-up needed regarding the CR? Yes
Choose the reason(s) for follow-up Landowner Follow-up
Provide further description if necessary Discuss next phases at Brickyard. Discuss encroachment mitigation onto CR 150.00



Digital signature of monitor

Signed 2018-10-29 17:37:47 UTC

Date signed 2018-10-29

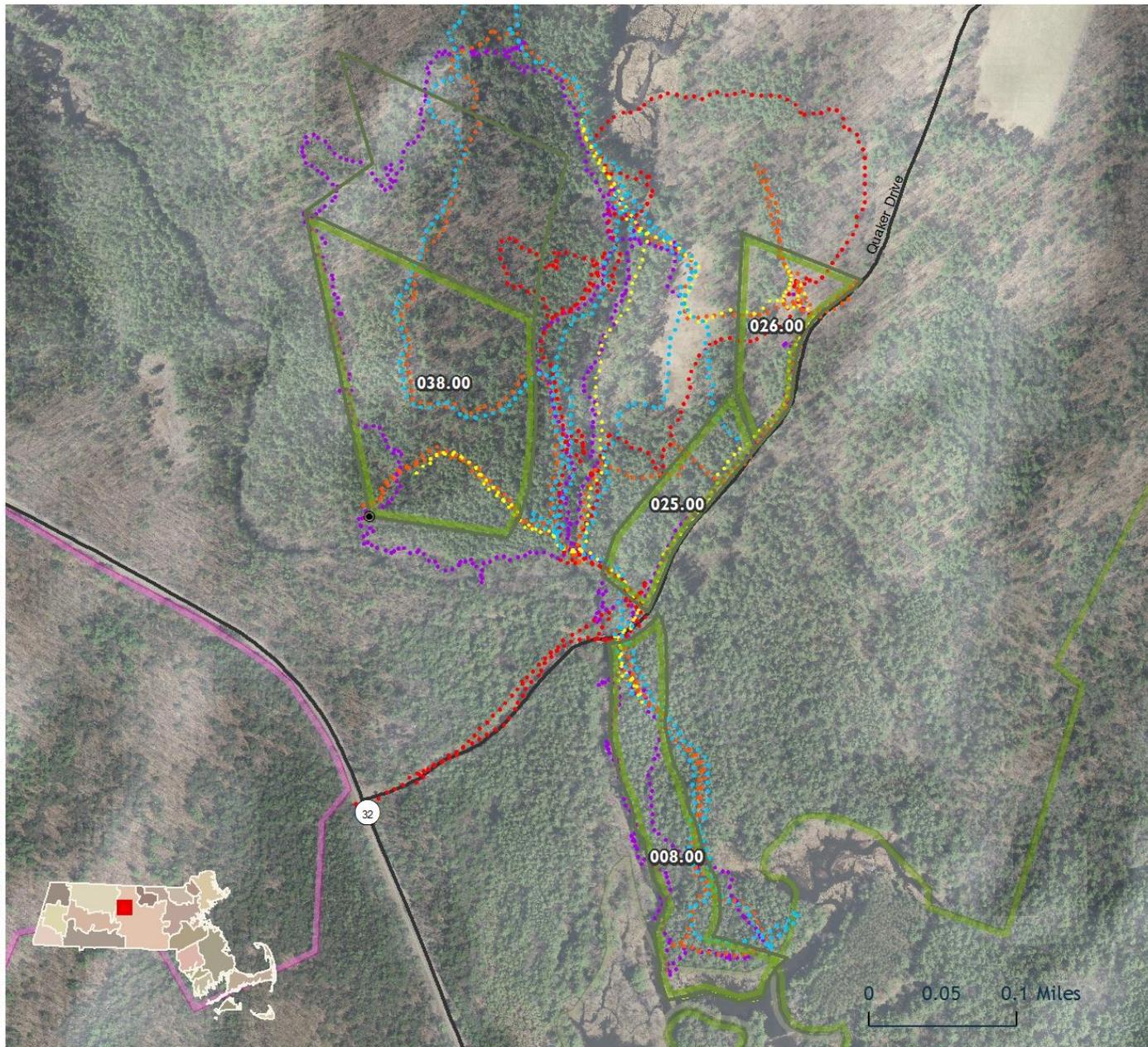


INSTANT Send emails when new Fulcrum records change status



Created on Date: 2/1/2019

Path: \\torfs-2\Comm\on\CR\_Program\W\_Madole\GIS\projects\2019\_Basemap\_REDO.mxd



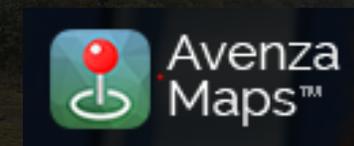
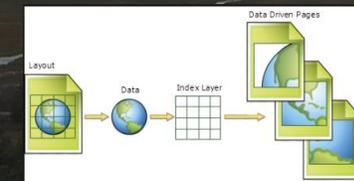
## CR Basemap

Brooks  
Woodland CRs  
Petersham, MA

### LEGEND

- IRON PIPE
- CR BOUNDARY LINE
- INTERNAL LOT LINE
- 2014
- 2015
- 2016
- 2017
- 2018

2013/14 Aerial Photography provided by MassGIS.  
CR boundaries by The Trustees of Reservations.  
All boundaries approximate.  
This map is a general guideline, and is not a substitute for professional consultation. The Trustees of Reservations are not responsible for a party's dependence upon this map which results in violation of applicable laws.



## Small Steps

### **Organize!**

Consolidate ArcGIS data into one geodatabase. “Manage by Attributes”  
Put things into spreadsheets. Avoid keeping the same information in multiple locations at all costs. Everything can/should go into tables!

## Medium Steps

### **Develop your own!**

Develop your own monitoring app using Fulcrum, Survey123, or anything else you can find. Reach out to colleagues who have done it before and can share their templates.

## Big Steps

### **Purchase land conservation software**

Purchase land conservation management software. Easier to do while your organization is small and then scale upwards as you grow. Larger organizations = higher costs in time and money to get everything organized.

# Other Apps/Ideas:

**GoCanvas:** Yet another mobile data collection app. Looks pretty streamlined. Probably comparable to Fulcrum



**Survey123:** Works with GIS. A little less user-friendly to set up, and I'm not sure about importing data, but some organizations are using it successfully. Very good at collecting geodata. Plays well with your other Arc products.



**KOBO Toolbox:** Looks very similar to Fulcrum. Developed for humanitarian aid response. Very cool, though not user friendly.

**Bulk Rename Utility:** One of innumerable free file rename software programs. As much fun as it sounds to learn how to use, but worth every minute in the time you will save once you're dealing with big data.



(More basic – starting out / all volunteer)

Use Mail Merge in **Word / Excel** to start monitoring forms for each property so volunteers don't have to fill out landowner/property information that you already have in a table.

**Bulk Rename Utility**

On that train of thought, become an Excel Hero in an hour by googling and watching "You suck at Excel", a video presentation by Joel Spolsky. I've watched it 3 times and learn something new every time.

An aerial photograph of a wetland landscape. A winding river flows through the center, surrounded by marshes and fields. In the background, there are hills with trees and a distant town. The overall tone is somewhat muted and overcast.

## To give you hope:

- I wasn't trained for this either. I volunteered at a land trust, then worked as a Terracorp land steward and learned this as I went. You can too! Google all things. Look at forums.