



August 5, 2021

William Collins  
Chair, Conservation Commission  
Town of Hudson, NH  
12 School Street  
Hudson, NH 03051

Dear Mr. Collins,

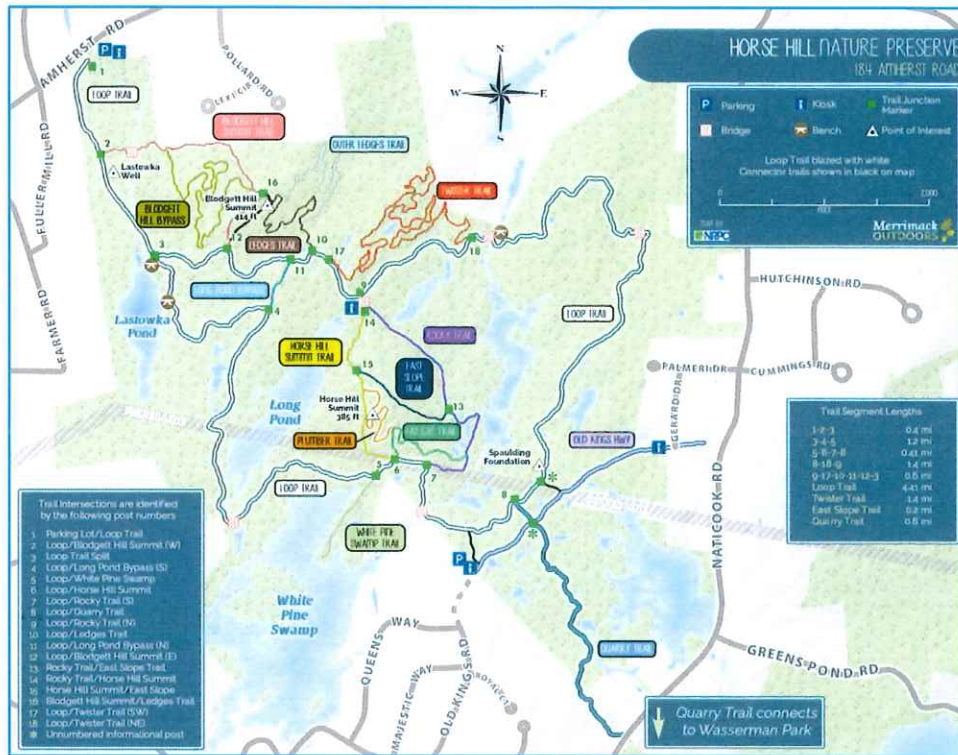
Nashua Regional Planning Commission (NRPC) is pleased to submit this proposal to provide GIS services to the Hudson Conservation Commission. The Conservation Commission protects the town's natural resources; preserves and maintains important land including town forests and trails; advises the select, planning, and zoning boards on conservation matters; and makes on-site visits and recommendations for wetland, water bodies, and dredge and fill permits. The Commission's present goal for this project is to encourage utilization of the existing trail network on its properties through better mapping. Specifically, the Commission would like to make navigable, mobile trail maps available to its stakeholders along with other complimentary map products for the town's primary open-space properties.

### **Deliverable 1: Data Collection**

This project will leverage and extend the existing NRPC GIS trail inventory in Hudson. Additional trail mapping/GPS will be guided by features depicted on existing trail maps and input from Commission experts. During fieldwork NRPC will also take a limited amount of photography (5-10 locations at each property) as suggested by the Commission to incorporate into the map products. NRPC will create intersection posts from nodes in the GPS data, verify permitted use attributes, and work with the Commission to GPS any missing, important landmarks requiring navigation-level mapping accuracy.

### **Deliverable 2: Trailhead Kiosk Maps**

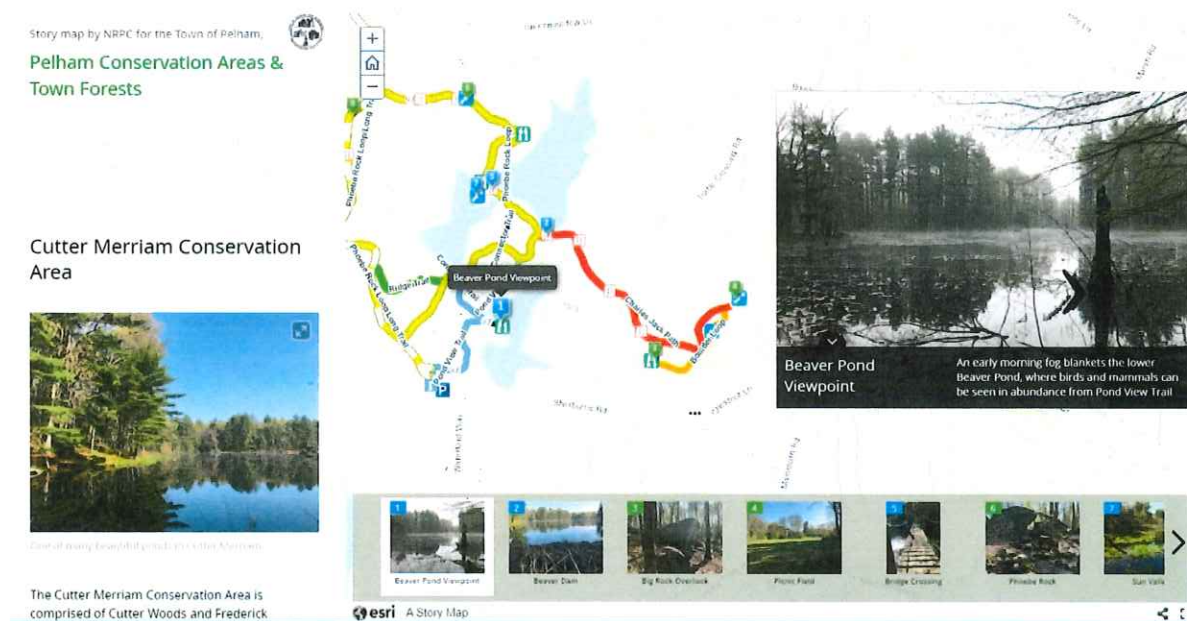
NRPC will create static pdf maps of the trail systems based upon an appealing and uniform cartographic template. The professionally styled maps will communicate trail system overview, property outlines, suggested loops, permitted uses, information on blazes or other trail markings, images of key locations, and a QR code that brings the user to the property's webpage. These maps will be designed for large-format printing, suitable for posting at the trailhead kiosk, but they may also be printed on letter-sized (8.5"x11") layouts.



Example Trailhead Kiosk Map

### Deliverable 3: ESRI StoryMap

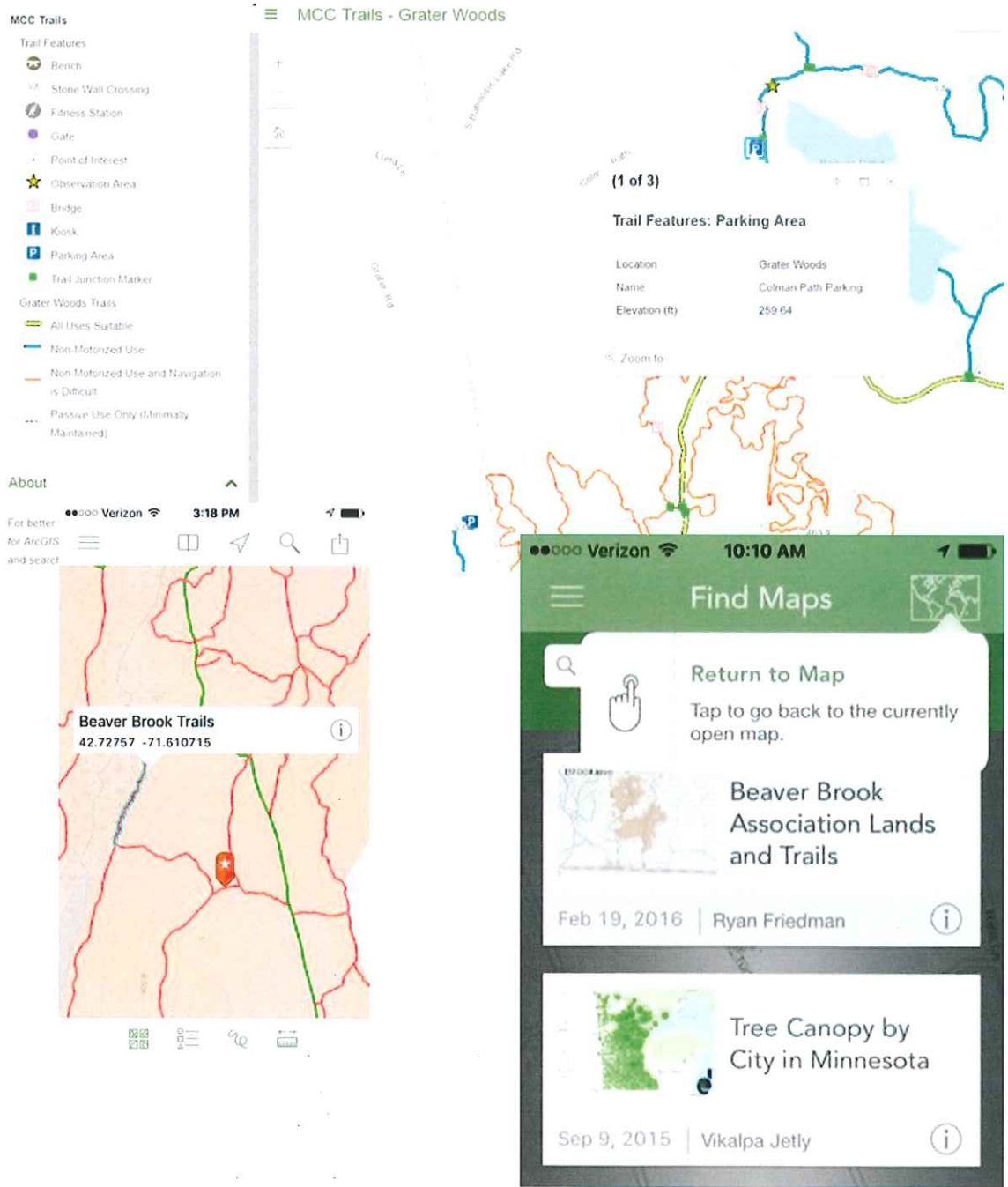
NRPC will create an online ESRI Story Map that will market the locations, photos, and key characteristics of properties featured in this project using engaging, interactive, multimedia content.



Example StoryMap

## Deliverable 4: Mobile App

NRPC will create an interactive map on the ESRI ArcGIS online cloud. It will be viewable as its own web page on desktop and mobile browsers and will be available for navigation using ESRI's app for iPhone and Android.



Example [Mobile App](#)

**Deliverable 5: Data downloads**

To accommodate a variety of technical users NRPC will provide to the Commission generic GPS interchange files (GPX) files of trails and waypoints which can be hosted on the Commission’s website for public download or provided to various town departments.

**Pricing**

Each type of electronic deliverable is estimated individually according to two scenarios: The Commission may choose to undertake Option 1, Pilot project only, which including a kiosk/brochure map, a mobile application, and associated GPX data only. Option 2 would include the pilot as Phase 1, and then Phase 2 would cover four additional properties of the Commission’s choosing and an ESRI StoryMap. Additional properties beyond 5 could be added at a cost of \$1060/each. No charges will be assessed for trail data collection under any scenario.

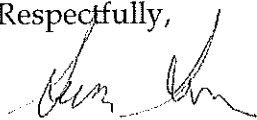
|               |                               | <b>Option 1</b>                                | <b>Option 2<br/>(Recommended)</b>                         |                                  |
|---------------|-------------------------------|--|---|----------------------------------|
|               | <b>Item</b>                   | <b>Pilot Project<br/>(1 property<br/>only)</b> | <b>Pilot Project<br/>Plus 4 additional<br/>properties</b> | <b>Additional<br/>Properties</b> |
| 1.            | Data Collection               | No charge                                      | No charge   | No charge                        |
| 2.            | Kiosk/brochure Map(s)         | \$1000   | \$3750  | \$500/each                       |
| 3.            | ESRI StoryMap                 | n/a  | \$1050  | \$250/each                       |
| 4.            | Mobile App                    | \$1000   | \$1800  | \$250/each                       |
| 5.            | GPX files converted from ESRI | \$60   | \$300   | \$60/each                        |
| <b>Total:</b> |                               | <b>\$2600 Total</b>                            | <b>\$6900 Total<br/>(includes Pilot)</b>                  | <b>\$1060/each</b>               |

**Assumptions**

Hudson Conservation Commission will provide written or in-person guidance for GPS field data capture. If requested, NRPC will provide a copy of all project deliverables to Hudson including all ESRI data files. NRPC will also retain a copy of the project outputs, but subsequent edits and updates are not assumed in this scope. This quote does not include custom programming or any large-volume hard-copy printing. NRPC assumes responsibility of hosting online project outputs created during the project.

Total timeline for Option 2 would be approximately 1 year from notice to proceed.

Respectfully,

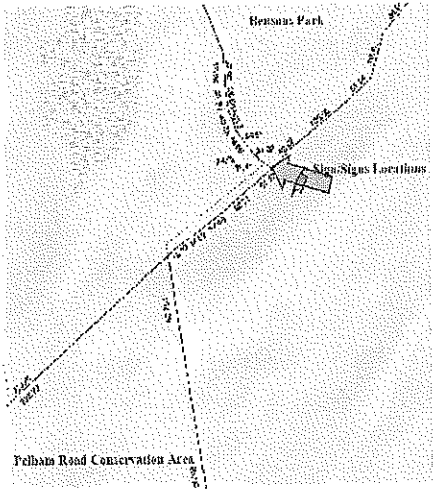


Sara Siskavich, GISP  
 Assistant Director - GIS & IT Programs  
 Nashua Regional Planning Commission  
 saras@nashuarpc.org

September 13<sup>th</sup> Other Business item a.

The sign examples below are for consideration by the commission. These will be placed where the Pelham Road Conservation Area easement meets the Bensons property. Because the two properties differ in category and use the signs each read slightly different.

Estimated Cost \$35.00 Each



Proposed Location

Expenditure Report - Including Carry Forward Activity  
**Conservation Committee**  
 Town of Hudson, NH  
 As Of: August 2020, GL Year 2022

Run: 9/02/21  
 3:06PM

| Account Number                 | Prior Year                                    |            | Budget & PY |           | Net Budget | MTD Exp  | YTD Exp  | Encumbered | Balance   |       |  |
|--------------------------------|---|------------|-------------|-----------|------------|----------|----------|------------|-----------|-------|--|
|                                | Budget  | Encumbered | Adjustments |           |            |          |          |            | Available | %Used |  |
| <b>Conservation Fund</b>       |   |            |             |           |            |          |          |            |           |       |  |
| 06-4619-5586-202-000           | Conserv Comm, Sm. Equipment Mitce<br>2,300.00 | 0.00       | 0.00        | 2,300.00  | 34.04      | 34.04    | 0.00     | 2,265.96   | 1.480     |       |  |
| 06-4619-5586-217-000           | Conserv Comm, Assoc Dues/Fees<br>1,327.00     | 0.00       | 0.00        | 1,327.00  | 0.00       | 0.00     | 0.00     | 1,327.00   | 0.000     |       |  |
| 06-4619-5586-235-000           | Conserv Comm, Registration Fees<br>500.00     | 0.00       | 0.00        | 500.00    | 0.00       | 0.00     | 0.00     | 500.00     | 0.000     |       |  |
| 06-4619-5586-252-000           | Conserv Comm, Prof Services<br>48,626.00      | 0.00       | 0.00        | 48,626.00 | 880.00     | 2,369.00 | 4,650.00 | 41,607.00  | 14.435    |       |  |
| <b>Total Conservation Fund</b> |   |            |             |           |            |          |          |            |           |       |  |
| Selected Year                  | 52,753.00                                     | 0.00       | 0.00        | 52,753.00 | 914.04     | 2,403.04 | 4,650.00 | 45,699.96  | 13.370    |       |  |
| Prior Year                     | 0.00  | 0.00       | 0.00        | 0.00      | 0.00       | 0.00     | 0.00     | 0.00       | 0.000     |       |  |
| Sort Total                     | 52,753.00                                     | 0.00       | 0.00        | 52,753.00 | 914.04     | 2,403.04 | 4,650.00 | 45,699.96  | 13.370    |       |  |



Expenditure Report - Including Carry Forward Activity  
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|                | Budget      | Prior Year Encumbered | Adjustments |            |         |          |            | Available | %Used  |
| Selected Year  | 52,753.00   | 0.00                  | 0.00        | 52,753.00  | 914.04  | 2,403.04 | 4,650.00   | 45,699.96 | 13.370 |
| Prior Year     | 0.00        | 0.00                  | 0.00        | 0.00       | 0.00    | 0.00     | 0.00       | 0.00      | 0.000  |
| Grand Total    | 52,753.00   | 0.00                  | 0.00        | 52,753.00  | 914.04  | 2,403.04 | 4,650.00   | 45,699.96 | 13.370 |







# TOWN OF HUDSON

## Conservation Commission

Bill Collins, Chairman      Dave Morin, Selectmen Liaison



12 School Street • Hudson, New Hampshire 03051 • Tel: 603-886-6008 • Fax:  
603-816-1291

**DATE: August 9,2021**

MEETING MINUTES: Below is a listing of minutes for the Hudson Conservation Commission. Minutes are not a verbatim record of each meeting, but rather represent a summary of the discussion and actions taken at the meeting. All Conservation Commission meetings are televised live and repeated **during the** following week on HCTV, cable television channel 22. Official copies of the minutes are available to read and copy at the Town Engineer's Office during regular business hours (Monday through Friday, 8:00 A.M. to 4:30 P.M.).

Should you have any questions concerning these minutes or wish to see the original recording, please contact the Town Engineer's Office at 603-886-6008.

In attendance = X   Alternates Seated = S   Partial Attendance = P   Excused Absence = E

|                           |                            |                     |                 |
|---------------------------|----------------------------|---------------------|-----------------|
| William Collins           | Ken Dickinson              | William Kallgren    | Randy Brownrigg |
| Chairman <u>  X  </u>     | Vice-Chair <u>  E  </u>    | Member <u>  X  </u> | clerk X         |
| David Morin               | Elvis Dhima                | Sandra Rumbaugh     |                 |
| Select. Rep. <u>  X  </u> | Town Engineer <u>  X  </u> | <u>  X  </u>        |                 |

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CALL TO ORDER BY CHAIRPERSON AT 07:04 P.M.

PLEDGE OF ALLEGIANCE

ROLL CALL: Mr.Collins Yes,, Mr.Brownrigg Yes, Mr.Kallgren Yes, Mr.Morin Yes, Mr.Dhima Yes Sandra Rumbaugh Yes

Mr.Dickinson Excused

SEATING OF ALTERNATES: none

PUBLIC INPUT RELATED TO NON-AGENDA ITESM: None

**1. New Business:**

- a. **Wason Road, Map: 206, Lot: 1-2, Plante Driveway Application, Conditional Use Permit Review.**

**Mr. Peter Stoddard the developer and Mr. Tom Sokoloske, a wetland scientist specialist, spoke on the application.**

**motion made by Mr. Brownrigg and Second by Mr. Kallgren passed 4/0/0**

**11. Old Business None**

**III. Other Business none**

**IV. Financial status:**

**The committee spoke about cash flow and other accounts to be re-organized. Committee spoke about money being received from town needing a line item, how much money was spent and what money is coming out of the Conservation fund.**

**V. Correspondence: None**

**VI. Approval of Minutes:**

**July 12, 2021 where approved by the committee 4/0/0**

**VII: Commission's Comments:**

**Mr. Kallgren wanted to let people know and when hiking in the hot weather to drink plenty of water.**

**Mr. Brownrigg, was all set**

**Mrs. Rumbaugh: She hiked Masquash Pond, lots of poison ivy in the trails. "leaves of three let them be". Also hiked KingFisher trail very blocked and couldn't see the pond.**

**Mr. Collins let the public know that Old Homes Day was starting on Thursday and that all are welcome to come. And there will be committee members at the tent to stop by.**

**Mr. Mornin: had no comment**

**Mr. Dhima : had no comment**

**At 7:52 Mr.Brownrigg made the motion to adjourn second by Mr. Kallgren voted 4/0/0**

**Randy Brownrigg  
clerk**