



# TOWN OF HUDSON

## Conservation Commission



Randy Brownrigg, Chairman

Dave Morin, Selectmen Liaison

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

### CONSERVATION COMMISSION SPECIAL MEETING AGENDA January 25, 2021

The Town of Hudson Conservation Commission will hold its next meeting on **January 25, 2021** at 7:00 p.m. in the Community Center, located at 12 Lions Ave., Hudson, NH.

- ✓ Call to Order
- ✓ Pledge of Allegiance
- ✓ Roll Call
- ✓ Alternates
- ✓ Public Input Related to Non-Agenda Items

#### **I. Old Business:**

- a. Conditional Use Permit Application Review: Hudson Logistics Center - Green Meadow Golf Course; Map: 234, Lot 005-000 and Map 239, Lot 001-000
- b. Musquash Parking Area State Permit Application – Status
- c. Conservation Property List / Inspection Dates – Randy Brownrigg

#### **II. New Business:**

- a. Forestry Management Plan for Rangers Town Forest Update – Bill Collins
- b. Aquatic Species 2021 Grant Awards Update – Bill Collins
- c. Bestway Wildlife Control- Estimate for services
- d. Naming of Trails at Musquash and Pelham Road – Ken Dickinson
- e. Trail Guide/Maps Creation – Ken Dickinson

#### **III. Other Business**

- a. Lake Host Program - Annual Contribution
- b. Society for the Protection of New Hampshire Forest - Annual Donation
- c. Warrant Article - Proposed change of classification from Conservation to Town Forest

#### **IV. Financial Status:**

#### **V. Correspondence:**

#### **VI. Approval of Minutes:**

- a. December 14, 2020 Meeting Minutes
- b. January 11, 2021 Meeting Minutes

**VII. Commissioner's Comments:**

*Next Regular Meeting: Monday, February 8, 2021 at 7:00 p.m.*

*William Collins*

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William Collins, Chairman

**New Business item a:**

**Forestry Management Plan for Rangers Town Forest**

\_\_\_\_\_ moved to accept the quote of \$2,830.00 received from Mr. Eric Radlof of Full Circle Forestry to draft a Forestry Management Plan for town property known as Rangers Town Forest (Map 160/Lot 048). Monies to be paid from the Conservation Commission, Small Equipment Maintenance Fund **06-4619-5586-202-000**. And the Conservation Commission, Professional Services Fund **06-4619-5586-217-000**. Motion second by \_\_\_\_\_.

Roll Call vote: Brownrigg\_\_\_\_\_, Dickinson\_\_\_\_\_, Hubert\_\_\_\_\_, 4-0.  
Collins\_\_\_\_\_

**Other Business Item a:**

**Lake Host Annual Contribution**

\_\_\_\_\_ moved to contribute \$\_\_\_\_\_ to the NH Lakes, 2021 Lake Host Program in support of lake host monitoring at Robinson and Ottarnic Ponds. Monies to be paid from the Conservation Commission, Association Dues and Fees account **06-4619-5586-217-000**. Motion second by \_\_\_\_\_.

Roll Call vote: Brownrigg\_\_\_\_\_, Dickinson\_\_\_\_\_, Hubert\_\_\_\_\_,  
Collins\_\_\_\_\_

**Other Business Item b:**

**The Society for the Protection of New Hampshire Forests Donation**

\_\_\_\_\_ moved to contribute \$\_\_\_\_\_ to the Society for the Protection of New Hampshire Forest in support of Society's efforts to continue land preservation throughout the state. Monies to be paid from the Conservation

Commission, Association Dues and Fees account **06-4619-5586-217-000**. Motion second by \_\_\_\_\_.

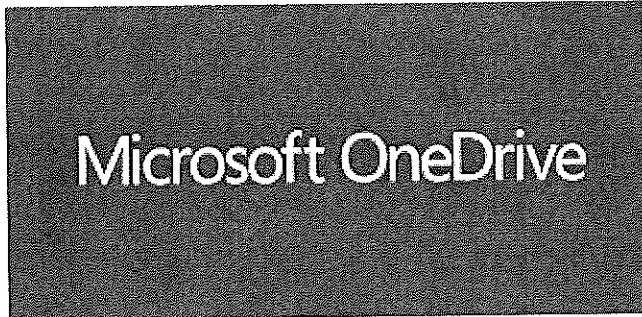
Roll Call vote: Brownrigg\_\_\_\_\_, Dickinson\_\_\_\_\_, Hubert\_\_\_\_\_, Collins\_\_\_\_\_

**Buttrick, Bruce**

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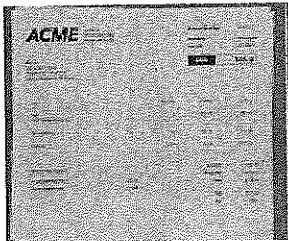
**From:** Microsoft OneDrive <1falcon@mtaonline.net>  
**Sent:** Saturday, January 16, 2021 2:58 PM  
**To:** Buttrick, Bruce  
**Subject:** You just received unread Items in OneDrive folder

EXTERNAL: Do not open attachments or click links unless you recognize and trust the sender.



There are 26 unread items in this folder. It has been securely upload for your safety on OneDrive Cloud, login to view now.

View In OneDrive



[Access your OneDrive files now](#)

Save and open view your message (document), and follow the instructions.

Sign in using your following email address.

This is a mandatory service communication. To set your contact preferences for other communications, [click here](#).  
This message was sent from an unmonitored e-mail address. Please do not reply to this message. [Privacy](#) | [Legal](#)  
Free online storage for your files. Check it out.  
Get the OneDrive mobile app.  
Microsoft respects your privacy. To learn more, please read our [Privacy Statement](#).  
Microsoft Corporation, One Microsoft Way, Redmond, WA, 98052

Hi Bill,

Please remember to tell the CC that the beavers could install another dam between the current dam and the marsh.

Thank you,

**Chuck Crowe**  
**BestWay Wildlife Control**  
**603 425 4250**

On Tue, Jan 12, 2021 at 9:59 PM Bill Collins <[bcoll66956@comcast.net](mailto:bcoll66956@comcast.net)> wrote:  
Thank you Chuck, I'll present the quote at our February commission meeting for consideration.

Thank you, your time was much appreciated.  
Bill

On 01/12/2021 3:50 PM BestWay Wildlife Control <[quickbooks@notification.intuit.com](mailto:quickbooks@notification.intuit.com)> wrote:

Dear Bill Collins,

- > Please review the estimate below. Feel free to contact us if you have any questions.
- > We look forward to working with you.
- >
- > Bill the only way I will do this is if the CC hauls what we need to the site tools, equipment, and materials.
- >
- > If that is done I will do the job for \$1,200
- >
- > Thank you,
- >
- > Have a great day,
- > BestWay Wildlife Control

> ----- Estimate -----

- > PO Box 82
- > Sandown, NH 03873 US
- > +1 6034254250
- >
- > Estimate #: 1056
- > Date: 01/12/2021
- > Exp. Date:
- > \$1,500.00
- >

> -----

- > Address:
- >

> Bill Collins  
> Hudson Conservation Commission

> -----

> Service Description Qty Rate Amount  
> Pond Levelinstall pond leveler at 1 1,500.00 1,500.00  
> 42.732413, 71.382246

> -----

> Total: \$1,500.00

>

# WILDLIFE SMART

A beaver cuts an average of 216 trees per year.

## COEXISTING WITH BEAVERS

Beavers have many important ecological, economic, aesthetic, and intrinsic values. However, conflicts with beavers can happen when they construct dams that cause flooding to people's property and infrastructure, harvest valued trees and plants for food or dam construction, or when they transmit disease to people.

There are things you can do to reduce the risk of conflicts with beavers. This fact sheet offers some helpful advice to protect yourself, your family, your property, and beavers.

### THINGS YOU NEED TO KNOW ABOUT BEAVERS

- A beaver cuts an average of 216 trees per year and prefers aspen, poplar, willow and birch. Harvested trees are used as a food source as well as in the construction of dams and lodges.
- The inner tree bark is a beaver's primary food for the winter; in the summer beavers mostly eat herbaceous plant materials such as grasses, leaves, fruits and aquatic plants.
- Trees and plants most vulnerable to beaver damage are usually within 50 metres of a waterway used by beavers. Trees and plants are most at risk when food is plentiful and predators are more scarce.
- Beavers construct dams to create ponds of water deep enough that they won't freeze to the bottom in winter. A depth of about 0.6 to 0.9 metres of unfrozen water is required for beavers to access their lodge and stored food year-round, underwater, where they are safer from predators.
- Beavers are stimulated to construct dams by the sound of running water.
- Road culverts are frequently targeted for beaver dam construction, particularly when they are located on gently sloping (1 to 10 per cent) relatively wet land close to hardwood or mixedwood forest. The construction of a beaver dam in a culvert or adjacent to a road can result in back-flooding and a road washout.
- Beavers can construct their den by building a lodge of branches and mud, or by digging holes in the bank of a lake, pond, river, creek or even a ditch. Dens in a ditch may extend under the road, and cause the road to cave in.
- Beavers may carry diseases and parasites such as tularemia and giardia (commonly known as beaver fever) that can be transmitted to people.
- Beavers tend to be most active at night, and will try to avoid interacting with people. However, like any wild animal, if a beaver encounters a person and feels cornered or threatened it may choose to attack.



## THINGS YOU CAN DO TO REDUCE THE RISK OF CONFLICT

### Reduce risks to people

- Do not approach a beaver or its lodge/den. Avoid physical contact with beavers and their feces.
- If you encounter a beaver that appears sick or injured, make note of its location and report it to a conservation officer.
- Prior to drinking any water in which beavers may be found, boil it for a minimum of one minute or ensure it has been adequately filtered or chemically treated.
- When handling harvested beavers, use good quality rubber gloves and thoroughly wash your hands with soap and water after handling beavers or coming into contact with water where they may be present.

### Reduce risks to valued trees and plants

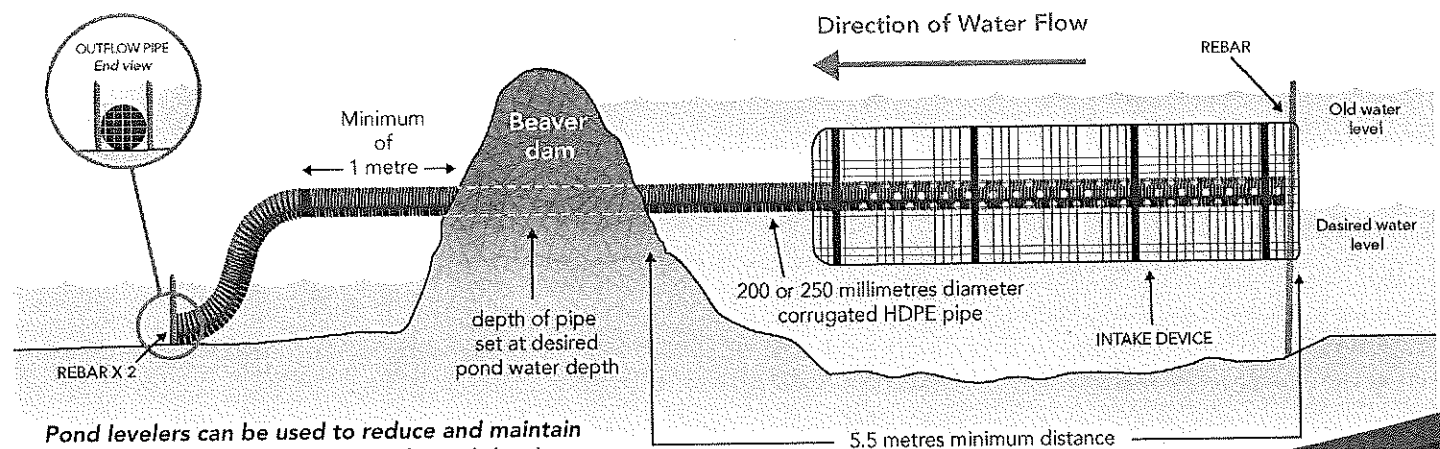
- Wire mesh fencing can be installed around the base of an individual tree, or a group of trees or plants for protection from beaver damage. Mesh is recommended to be four, six, or eight gauge, with openings not larger than 10 centimetres by 10 centimetres, and a minimum height of 1.5 metres. Fencing should be installed in contact with the ground and secured with landscaping staples. When fencing individual trees, be sure to allow space between the trunk and the fencing for the tree's growth.
- Electric fencing can be installed at a height of 10 centimetres above the ground to protect a group of trees or plants.

## Reduce the risk of beaver dams causing flood damage to adjacent land and infrastructure

### Install pond levelers

- A pond leveler reduces and maintains pond water to a desired level. The pond leveler should be installed at a level that (1) allows the resident beavers to thrive (typically a minimum depth of about one metre at the beaver lodge entrance), and (2) prevents the pond waters from negatively impacting adjacent land or infrastructure.
- Written authorization for the use of a pond leveler is required before installation. Contact a conservation officer to request authorization. You will need to provide a legal land description of the desired location.
- A pond leveler can be installed through a beaver dam or into a culvert.
- The multiple holes on the pond leveler intake end allow for the slow, quiet movement of water, and discourage damming behaviour by a beaver. Studies have shown that beaver damming behaviour is stimulated by the sound of running water, and when that sound is removed, a beaver is not motivated to build or repair a dam.
- The screened intake area of the leveler keeps debris out and discourages plugging. Pond levelers typically need some maintenance to ensure the screened intake area stays sufficiently clear of debris to allow adequate water-flow. Pond levelers are considered to be a longer-term solution for dam management, and with maintenance, can be effective for several years.
- Instructions for the construction and installation of pond levelers are available from Wildlife and Fisheries Branch ([wildlife@gov.mb.ca](mailto:wildlife@gov.mb.ca)).

## POND LEVELER

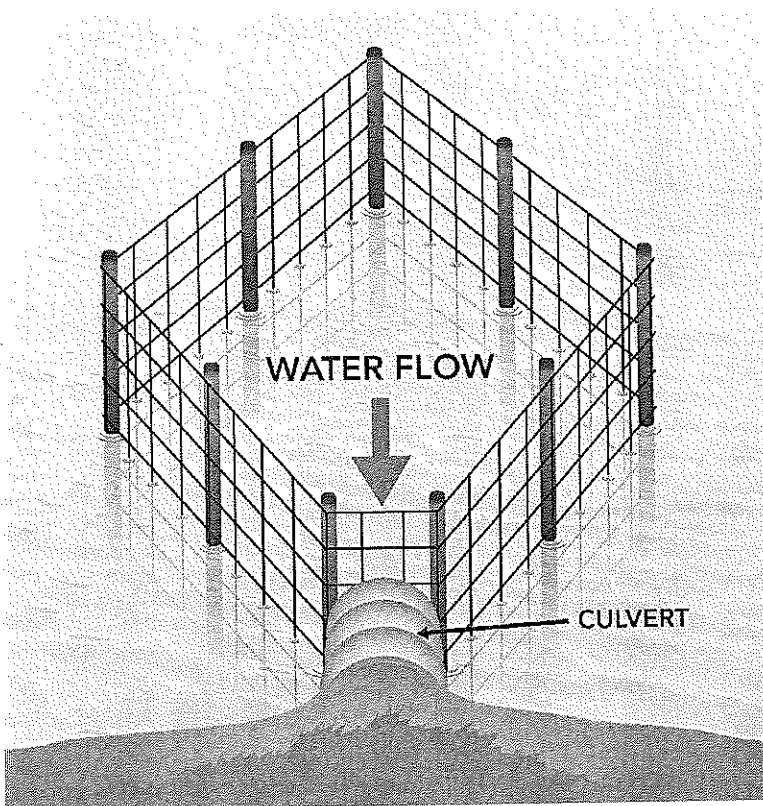


*Pond levelers can be used to reduce and maintain a beaver pond's water level at a desired depth.*

## Install beaver deceivers

- Beaver deceivers are recommended for installation on culverts that are at greater risk for beaver blockage.
- Where site conditions allow, the most effective beaver deceiver is the trapezoidal (four-sided) fencing system, with a minimum total length of 14 metres, plus a top and bottom side. When built to these specifications, a beaver deceiver typically requires little maintenance and can be effective for many years.
- Beaver deceivers are usually built on-site and adjusted as needed to meet the site's requirements. If the ground is uneven where installation is required, leveling the ground will allow for easier installation.
- Instructions for the construction and installation of beaver deceivers are available from Wildlife and Fisheries Branch (wildlife@gov.mb.ca).

## BEAVER DECEIVER




*Beaver deceiver fencing can be used to lower the risk of culvert blockage by beavers.*

## Remove beaver dams

- Removing a beaver dam is generally a temporary solution and should only be considered after other techniques have been tried or if they are unsuitable for the area. Although the lethal removal of the beavers associated with the dam will typically be required prior to the commencement of beaver dam removal activities, if the habitat remains suitable, more beavers are likely to move into the area and will construct new dams.
- Written authorization for beaver dam removal is required before any dam removal activities are undertaken. Contact a conservation officer to request authorization. You will need to provide a legal land description of the dam location.
- Clearing beaver debris from a culvert does not require prior authorization.
- Follow Manitoba's Beneficial Management Practices for Beaver Dam Removal.

## LETHAL BEAVER REMOVAL

- Beavers can be harvested by a licensed trapper during the regulated season, where it is lawful to do so. All trapping regulations apply. It is recommended that landowners in areas prone to conflicts with beavers work proactively with local trappers for beaver population management. Beaver harvest is best conducted when their pelt is prime (January to March) to ensure the pelt is not wasted and its value is maximized. Make arrangements with a local trapper well in advance of the prime trapping season so that they can be prepared to harvest beavers on your land at that time.
- In exceptional circumstances, under The Wildlife Act, a landowner may kill a beaver in defence of their property and they must report the killing of the beaver to a conservation officer within 10 days.
- A special permit must be obtained from a conservation officer if a landowner wants a designate to remove a beaver on their behalf on land they own. A special permit would also be required before the lethal removal of a beaver on leased land. Contact a conservation officer in the local district office to request a permit.
- Some pest control companies are authorized to remove beaver for pest management purposes.

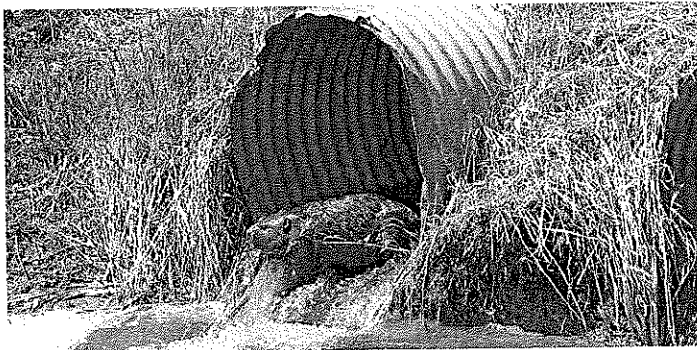


Beaver dams help to increase biodiversity, improve water quality, and recharge ground water supplies in a watershed.

## WHY NOT JUST RELOCATE BEAVERS?

Relocating beavers can create a new set of problems for the beavers, other wildlife, and people:

- The relocated beaver may be attacked and seriously injured by the resident beavers.
- Relocated wildlife may carry diseases to wildlife in the release area.
- Relocating beavers late in the season may not leave them enough time to build their lodges and store enough food to survive the winter, leaving them vulnerable to death by starvation or exposure.
- The relocated beavers may cause conflicts with new, surrounding landowners.



Road culverts are frequently targeted by beavers for dam construction.

## BENEFITS OF BEAVER DAMS

Beavers provide many ecological, economic and aesthetic benefits. A few of these benefits include:

- Beaver ponds significantly increase local biodiversity by creating riparian and wetland habitats that can support a variety of wildlife including invertebrates, fish, amphibians, waterfowl, and small mammals.
- Standing dead trees (snags) that remain in beaver flooded areas provide food (insects), resting places, and nesting cavities for many bird species.
- The increased presence of fish and wildlife in larger beaver pond areas results in increased hunting, fishing, and wildlife viewing opportunities for people.
- Beaver dams improve downstream water quality by trapping and storing sediment, and reduce the loss of sediment from the forest ecosystem.
- The sediment left behind when the beavers abandon an area can result in a fertile moist meadow.
- Beaver ponds increase the surface area and volume of water in a watershed and assist with the recharge of ground water supplies. Increased surface and ground water supplies improves access to water for livestock and helps with drought resilience for farm production.
- Well-maintained beaver dams can help reduce water loss through runoff, and can moderate peak flows of flooding events.

For more information on reducing the risk of conflicts with beaver and other wildlife, visit [www.manitoba.ca/human-wildlife](http://www.manitoba.ca/human-wildlife).

To report wildlife showing aggressive behaviour, or that appears sick, injured, or orphaned, contact a conservation officer at the local district office or call the TIP line at 1-800-782-0076.



# TOWN OF HUDSON

## Conservation Commission



Randy Brownrigg, Chairman

Dave Morin, Selectmen Liaison

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

**DATE: December 14, 2020**

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

Randy Brownrigg Chairman <u>  X  </u>	William Collins Vice-Chair <u>  X  </u>	Brett Gagnon Member <u>  X  </u>	Ken Dickinson Member <u>  X  </u>
Paula Hubert Member <u>  X  </u> (Remote)	David Morin Select. Rep. <u>  X  </u>	Elvis Dhima Town Engineer <u>  X  </u>	

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I. CALL TO ORDER BY CHAIRPERSON AT 07:00 P.M.

II. PLEDGE OF ALLEGIANCE

III. ROLL CALL

IV. SEATING OF ALTERNATES

V. Public Input Related to Non-Agenda Items: None

## VI. Old Business

None

## VII. New Business

### A. Conditional Use Permit Application Review: Hudson Logistics Center- Green Meadow Golf Course; Map 234, Lot 005-000 and Map 239, Lot 001-000

Members of the Conservation Commission and the public at large listen to a presentation by applicant representatives from Hillwood Enterprises, Gore Environmental Services and Lucas Environmental LLC. The information covered centered around revised wetland impact and wetland buffer impacts along the proposed Green Meadow Drive as well as the proposed service road behind Sam's club. The presenters provided detailed information on roadway design and placement which they stated provides for a significant decrease in impacts from the original design. Their presentation also detailed stream crossing upgrades, storm water management and wild life. All materials reviewed as part of tonight's meeting can be found at <https://www.hudsonnh.gov/meetings>.

For a review of the meeting in its entirety please copy and paste the link below into your browser then search for "Conservation"

<http://www.hudsonctv.com/CablecastPublicSite/?channel=3>

No decisions or motions regarding the application were made at tonight's meeting. Mr. Collins moved to continue the Hudson Logistic Center Conditional Use Permit application review until date specific January 4, 2021. Motion was seconded by Mr. Brownrigg.

Roll Call vote: Mr. Brownrigg-yes, Mr. Dickinson-yes, Mr. Gagnon-yes, Mrs. Hubert- yes, Mr. Collins- yes

## VIII. Other Business

A. None

## IX. Financial Status

None

## X. Correspondence

None

## **XI. Approval of Minutes**

None

## **XII. Commissioner's Comments**

Mr. Gagnon gave a departing speech as this was his last meeting as a member of the Hudson Conservation Commission. Mr. Collins, Mr. Brownrigg and Mr. Dickinson thanked Mr. Gagnon for his years of service to the community and wished him success in his future endeavors.

### **Motion to adjourn:**

Mr. Collins moved to adjourn tonight's meeting at 9:09 p.m. Motion seconded by Mr. Dickinson, Motion Carried 5/0/0

*William Collins*

William Collins, HCC Vice-Chairman



# TOWN OF HUDSON

## Conservation Commission



Randy Brownrigg, Chairman      Dave Morin, Selectmen Liaison

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

**DATE: January 11, 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

Randy Brownrigg Chairman <u>  X  </u>	William Collins Vice-Chair <u>  X  </u>	Paula Hubert Member <u>  X  </u> (Remote)	Ken Dickinson Member <u>  X  </u>
David Morin Select. Rep. <u>  X  </u>	Elvis Dhima Town Engineer <u>  X  </u>		

- .....
- .....
- I. CALL TO ORDER BY CHAIRPERSON AT 07:00 P.M.
  - II. PLEDGE OF ALLEGIANCE
  - III. ROLL CALL
  - IV. SEATING OF ALTERNATES

V. Public Input Related to Non-Agenda Items: None

## VI. Old Business

### A. Conditional Use Permit Application Review: Hudson Logistics Center- Green Meadow Golf Course; Map 234, Lot 005-000 and Map 239, Lot 001-000

Members of the Conservation Commission and members of the public listen to a presentation by applicant representatives from Hillwood Enterprises. At tonight's meeting presenters speaking on behalf of the Hillwood Development Group provided detailed information pertaining to landscaping, landscaping maintenance and a site specific restoration plan.

<https://www.hudsonnh.gov/meetings>.

To view of the meeting in its entirety please copy and paste the link below into your browser then search for "Conservation January 11, 2021"

<http://www.hudsonctv.com/CablecastPublicSite/?channel=3>

No decisions or motions regarding the application were made at tonight's meeting. Mr. Collins moved to continue the Hudson Logistic Center Conditional Use Permit application review until date specific January 25, 2021. Motion was seconded by Mr. Brownrigg.

Roll Call vote: Mr. Brownrigg-yes, Mr. Dickinson-yes, Mrs. Hubert- yes, Mr. Collins- yes

## VII. New Business

- A. 2020 Boundary Inspection Reports for the Tri-Town Forest (Hudson Tract) and Musquash Conservation properties were submitted per the requirements of the LCIP and LCHIP grant programs.
- B. Members present opted to hold a cleanup and trail maintenance day this Saturday January 16, 2021 from 9:00 a.m. to 12:00 p.m. (weather permitting). As always the public is invited to participate.
- C. Conservation Properties- Mr. Collins proposed that a current list of properties that the HCC is responsible for in regards to monitoring be generated. He added that properties on the list could be assigned a date to which commission members could schedule inspections and maintenance. Mr. Brownrigg said he be willing to take on this project and would provide the required information by the February meeting.
- D. Election of Officers- Mr. Collins was nominated serve as HCC Chairman by Mr. Brownrigg for the year of 2021. Mr. Dickinson seconded the nominations. A poll of the members presented agreed 3/0/0 naming Mr. Collins Chairman.  
Roll Call vote: Mr. Brownrigg-yes, Mr. Dickinson-yes, Mrs. Hubert- yes



Mr. Dickinson was nominated serve as HCC Vice-Chairman by Mr. Brownrigg for the year of 2021. Mr. Collins seconded the nominations. A poll of the members presented agreed 3/0/0 naming Mr. Dickinson Vice-Chairman.

Roll Call vote: Mr. Brownrigg-yes, Mrs. Hubert- yes, Mr. Collins- yes

Mr. Brownrigg was nominated serve as HCC Secretary by Mr. Collins for the year of 2021. Mr. Dickinson seconded the nominations. A poll of the members presented agreed 3/0/0 naming Mr. Dickinson Vice-Chairman

Roll Call vote: Mr. Dickinson-yes, Mrs. Hubert- yes, Mr. Collins- yes

### **VIII. Other Business**

None

### **IX. Financial Status**

None

### **X. Correspondence**

None

### **XI. Approval of Minutes**

Mr. Collins moved to accept the November 9, 2021 and the November 16, 2021 meeting minutes as written. Mr. Brownrigg seconded the motion, motion carried 4/0/0

Roll Call vote: Mr. Brownrigg-yes, Mr. Dickinson-yes, Mrs. Hubert- yes, Mr. Collins- yes

### **XII. Commissioner's Comments**

Commission members present thanked Mr. Brownrigg for leading the HCC in a positive direction for the past two years. They then immediately demoted him to Commission Secretary for the remainder of 2021. Good Luck Mr. Brownrigg

#### **Motion to adjourn:**

Mr. Brownrigg moved to adjourn tonight's meeting at 9:40 p.m. Motion seconded by Mr. Dickinson, Motion Carried 4/0/0

*William Collins*

William Collins, HCC Vice-Chairman