

# Ware River Harvest Proposal WR-22-22-4

## *Proposal Update, May 2024:*

*This forestry proposal was originally approved through the public process in 2021. The project was 'paused' along with most other state lands forestry projects as part of the EEA Forests as Climate Solutions Initiative. Following the close of the work of the Climate Forestry Committee, DWSP determined the activities in this proposal align with EEA climate considerations developed from the recommendations in the CFC report. The proposal language and mapping below are preserved unchanged from that presented to the public in 2021 in ArcGIS Online Story Map format.*

## **Proposal Goals**

The goal for this proposal is to make the forest more diverse and resilient. It will reduce the amount of mature, old field white pine and replace it with patches of young forest of diverse species.

## **Proposal Location**

This proposal is in the town of Barre. It is located on the east side of Coldbrook Road, just south of Barre Falls Dam. It is bordered to the east by Stevens Brook, the Ware River and associated wetlands.

**Total Acres: 18**



## Secondary

	<b>Understory Type(s)</b>
<b>Dominant</b>	Tree seedlings/saplings dominate site

Secondary	
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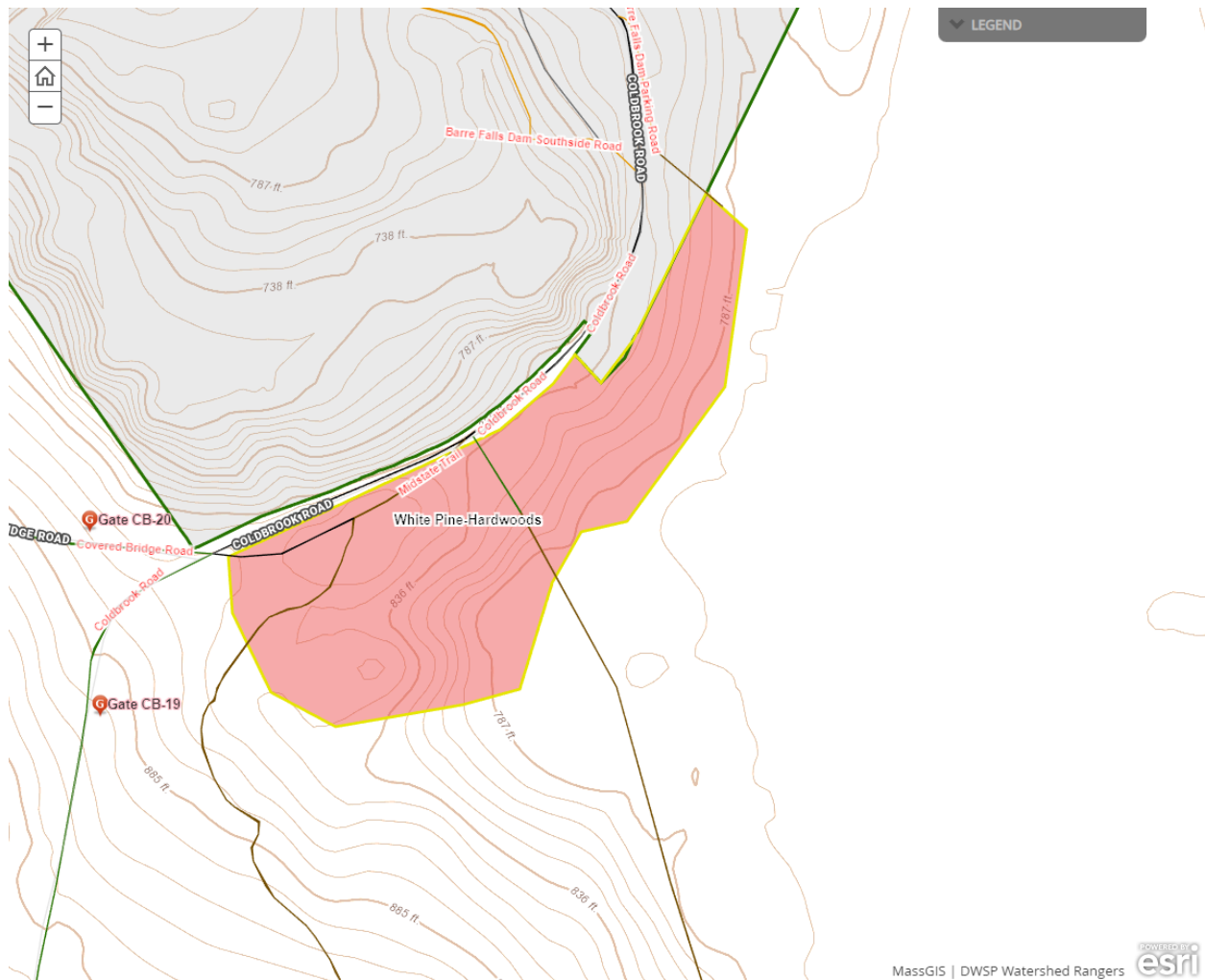
**Description of forest composition/condition:**

No harvest recorded in the database. The 1938 aerial photos clearly show that this area was very open at that time. The western and eastern portions were open field/pasture, while the central portion was pasture with scattered trees.

This lot is dominated by large, low quality, old field white pine. Black cherry, red maple, red oak, sugar maple, white ash, aspen, and American elm are also found in the overstory. There is approximately 175 square feet of basal area per acre, with less than 10 square feet in acceptable growing stock. Regeneration is present in most areas with red maple, black birch, eastern hemlock, red oak, white pine, sugar maple, white ash, yellow birch, and American beech seedlings/saplings.

**Assessment of Terrestrial Invasive Species:**

Invasive shrubs are very well established on this lot, particularly adjacent to the old road and foundations in the central part of the lot along Coldbrook Road. Asiatic bittersweet, glossy buckthorn, Japanese barberry, and burning bush were all observed.

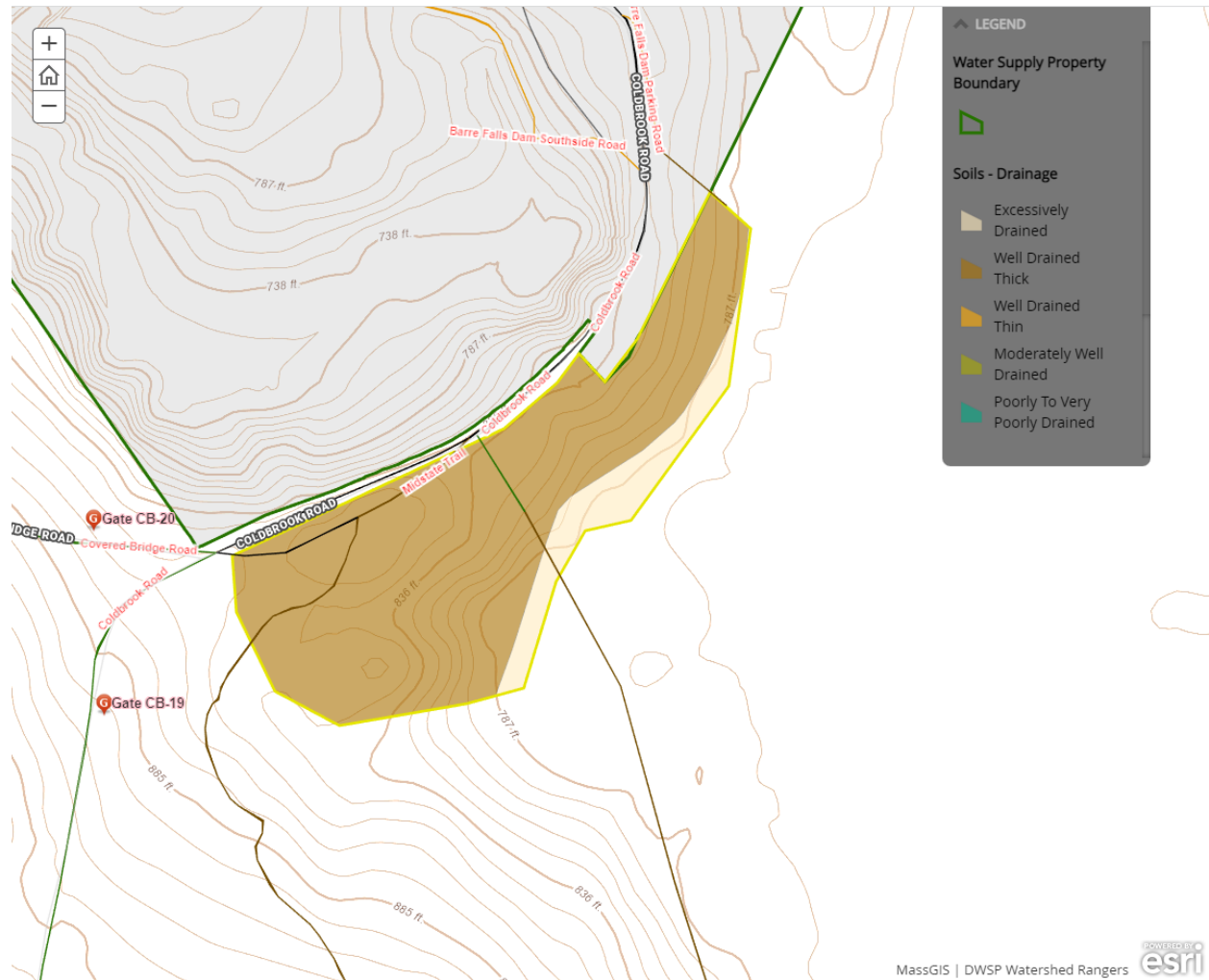


## Soils

Drainage Class	%
Excessively Drained	12
Well Drained Thin	0
Well Drained Thick	88
Moderately Well Drained	0
Poorly to Very Poorly Drained	0

902E - Charlton-Paxton association, 15 to 45 percent slopes, extremely stony, well drained thick - 15.8 acres

253B - Hinckley loamy sand, 3 to 8 percent slopes, excessively drained - 2.2 acres

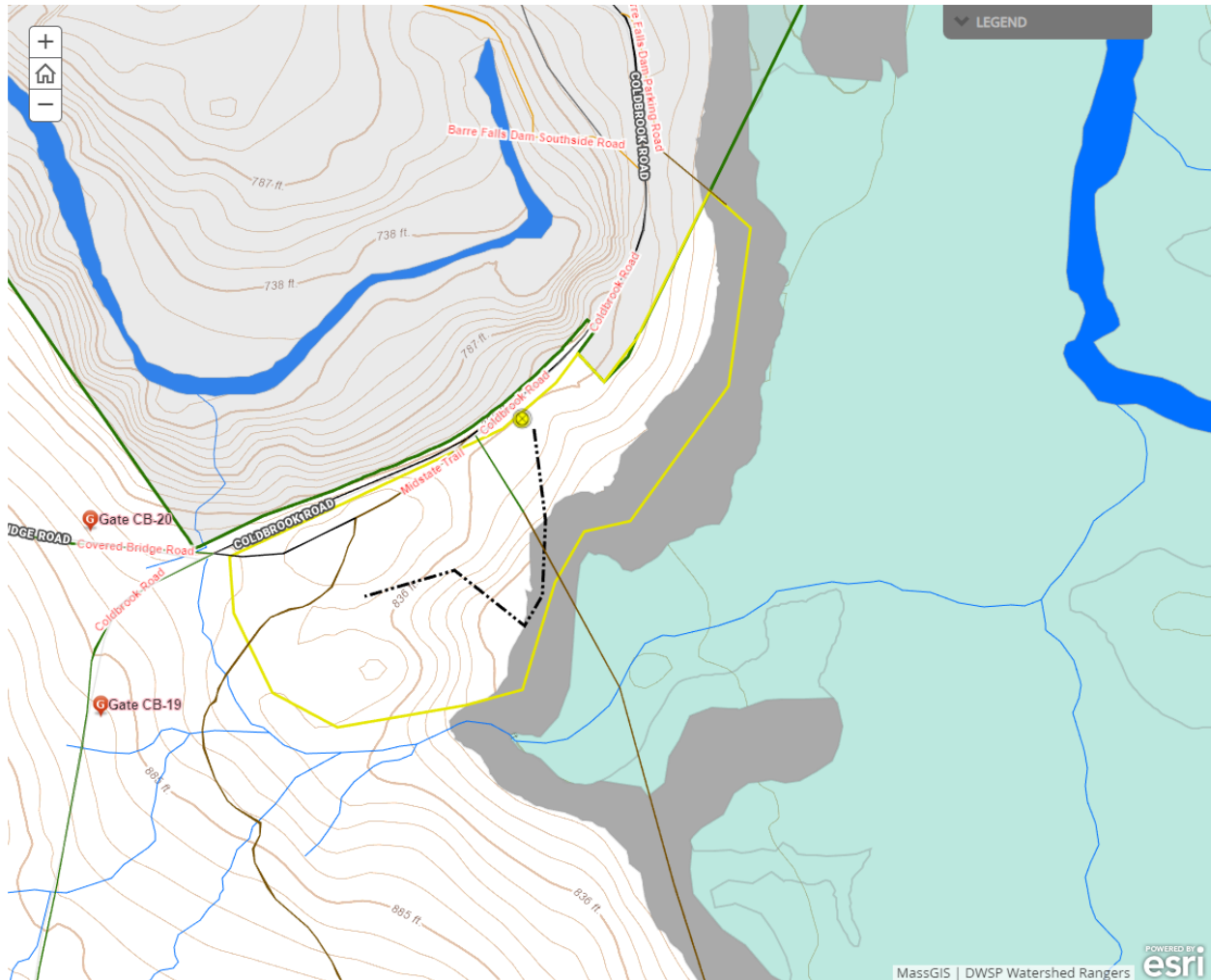


## Wetlands

- Wetlands present? - **Yes**
- Streams present? - **Yes**
- Vernal pools present? - **None known**
- Seeps present? - **None known**
- Are stream crossings required? - **No**
- Are wetland crossings required? - **No**
- Is logging in filter strips planned? - **Yes**
- Is logging in wetlands planned? - **No**



No stream crossings required. The wetland overlap shown on the map shows the typical (green) and maximum (gray) extent of the upland area periodically inundated for flood control by the Army Corps of Engineers at Barre Falls Dam.



## Silviculture

Acres in Intermediate cuts: **0**

Acres in prep/establishment cuts: **0**

Acres in Regeneration cuts: **9**

Average regen opening size: **3**

Maximum regen opening size: **5**

**Description of advance regeneration in proposal area:**

Regeneration is present in most areas with red maple, black birch, eastern hemlock, red oak, white pine, sugar maple, white ash, yellow birch, and American beech seedlings/saplings.

**General comments on silviculture proposed:**

One opening between 2 and 5 acres will be established in the southern part of the lot, targeting the lowest quality white pine. Another 4 acres of openings will be established in groups between 1 and 2 acres. At least 5 square feet of basal area per acre of the best formed, most vigorous stems of all species will be retained in all openings for structure and seed. Some tending/improvement cutting will be done along skid trails.



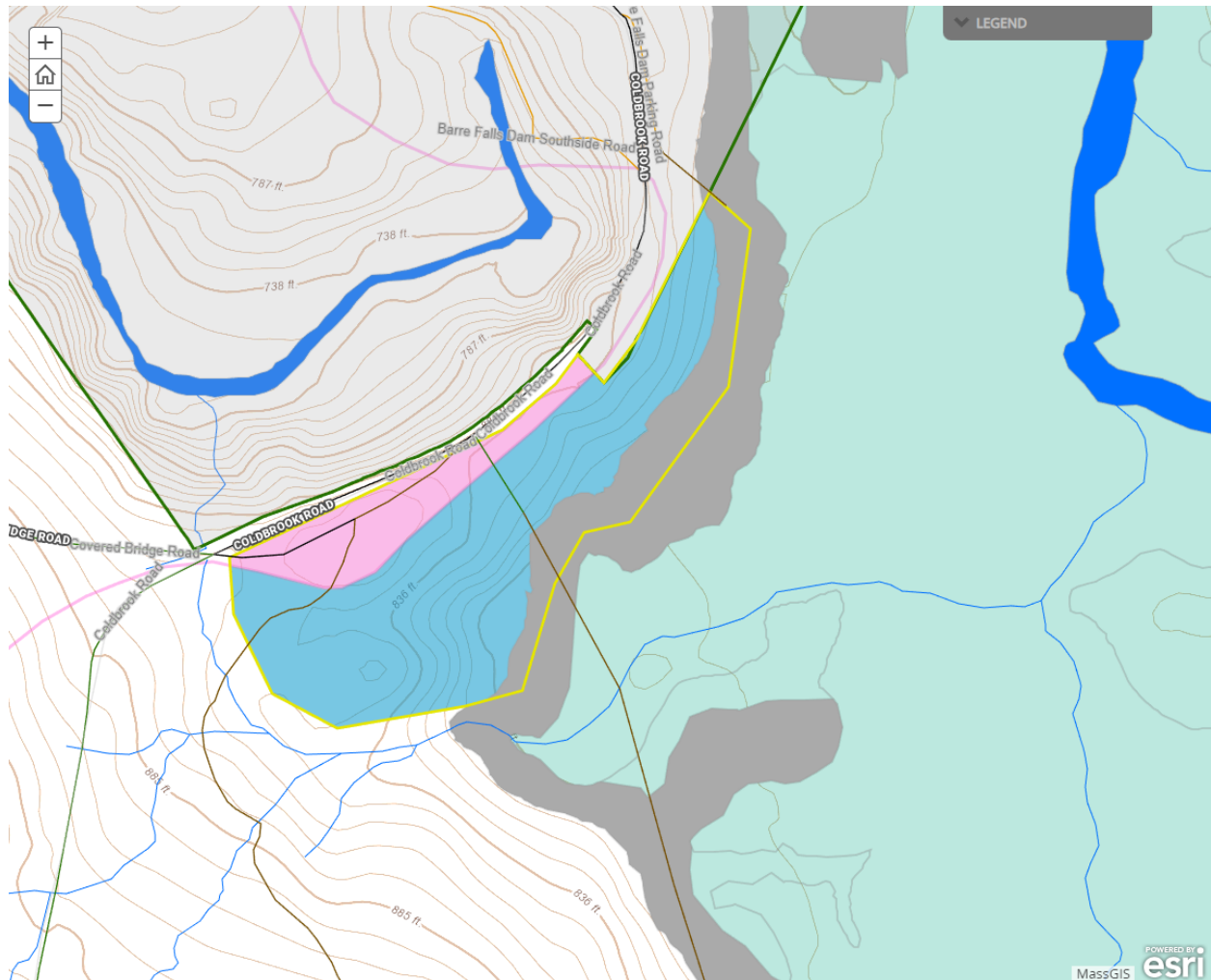
## Subwatershed Analysis

Sub-watershed number	Total DCR-owned Acres	Acres Regenerated on DCR Land in the last 10 years	Acres Remaining for Regenerating Up to the 25% / 10 Year	Acres part of this proposal
8042 (Barre Falls)	4849	72	1140	15
8063 (Ware River)	3072	59	709	3



8042 - Barre Falls - There are 8 acres in proposal WR22-22-3 and 48 acres in proposal WR21-21-3 and in this subwatershed.

8063 - Ware - 6.5 acres in lot 4401 were harvested this winter with another 4 acres left to be harvested this summer. Lot 4404, 33.2 acres, has been sold but not yet cut. There are 58 acres in proposal WR22-2-1, 79 acres in proposal, and 48 acres in proposal WR-19-20-3 in this subwatershed.



## Harvesting Limitations

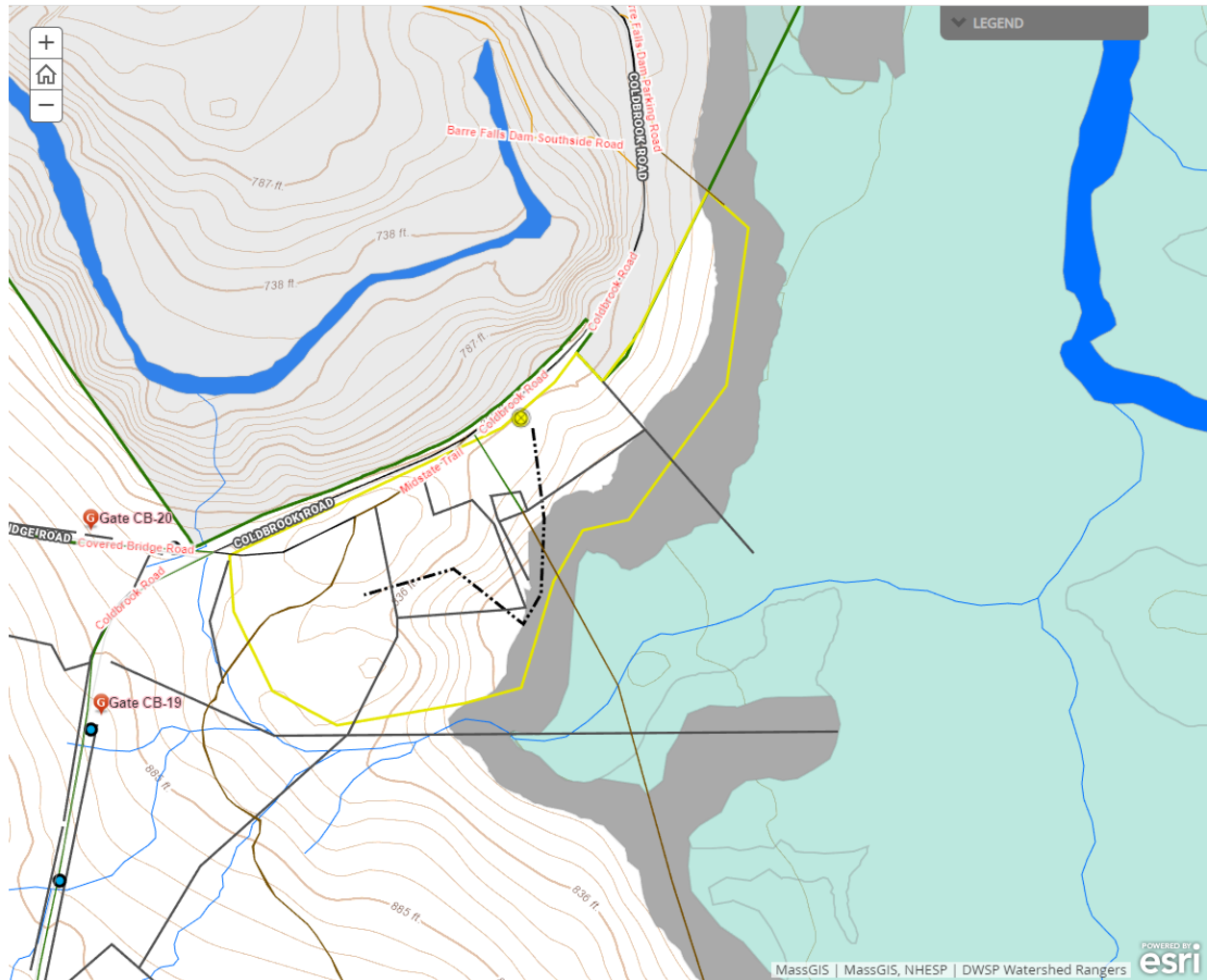
Forwarder required: **No**

Feller/processor required: **No**

Steep slopes present: **No**

**Comments on harvesting limitations:**

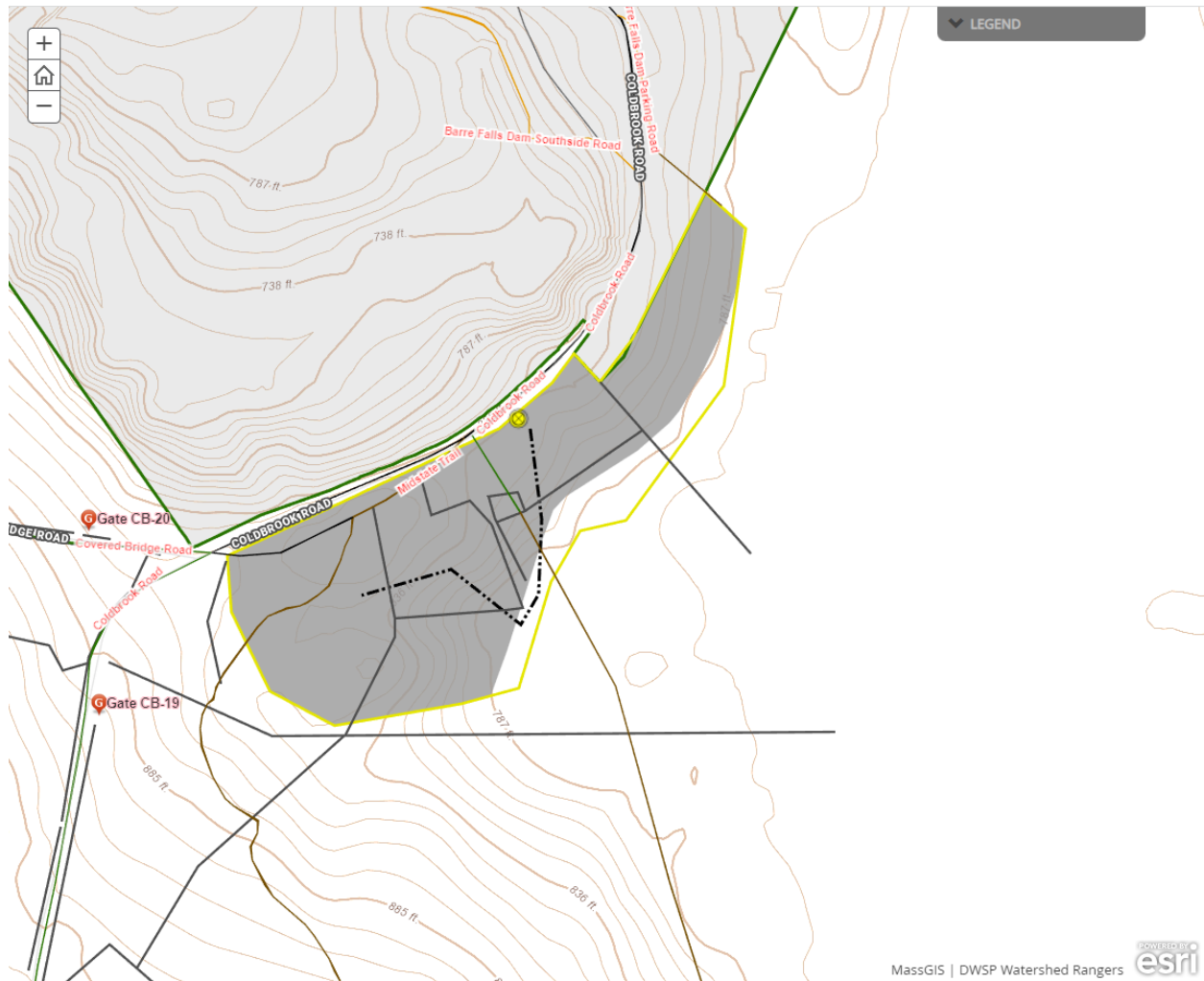
No specific equipment requirements.



## Cultural Resources

### Comments on Cultural Resources:

Several cellar holes are present at the intersection of an old road and Coldbrook Road in the center of this lot, where the mid-state trail trailhead is located. Stone walls are present throughout the lot and will have to be crossed in order to access the southern section of the lot. The northern portion of the lot abuts Parker Cemetery, which is owned by the town of Barre. The cemetery will be well buffered.



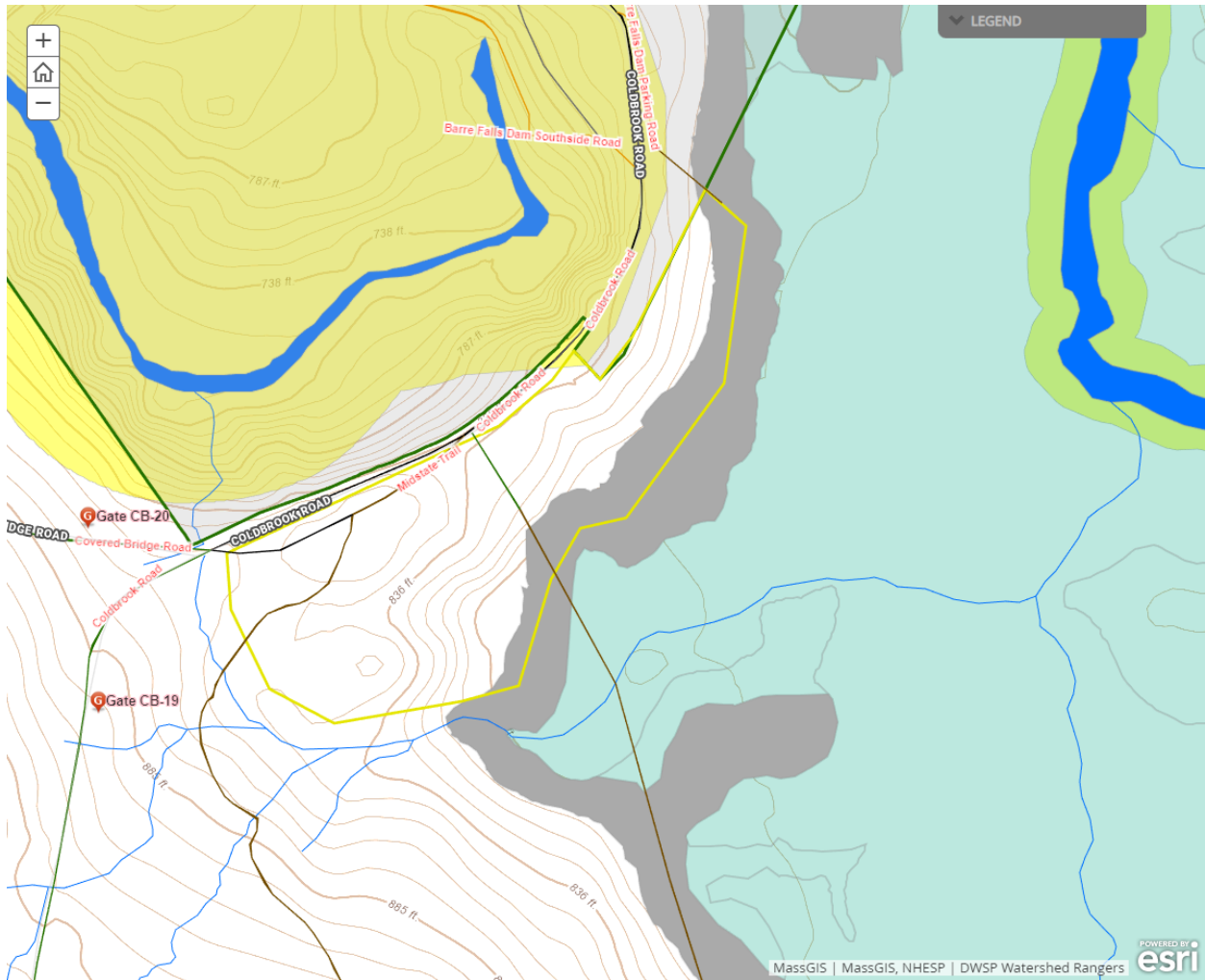
## Wildlife Resources & Rare and Endangered Species

### General Wildlife Comments:

Moose and deer presence noted.

### Comments on Rare Species/Habitats:

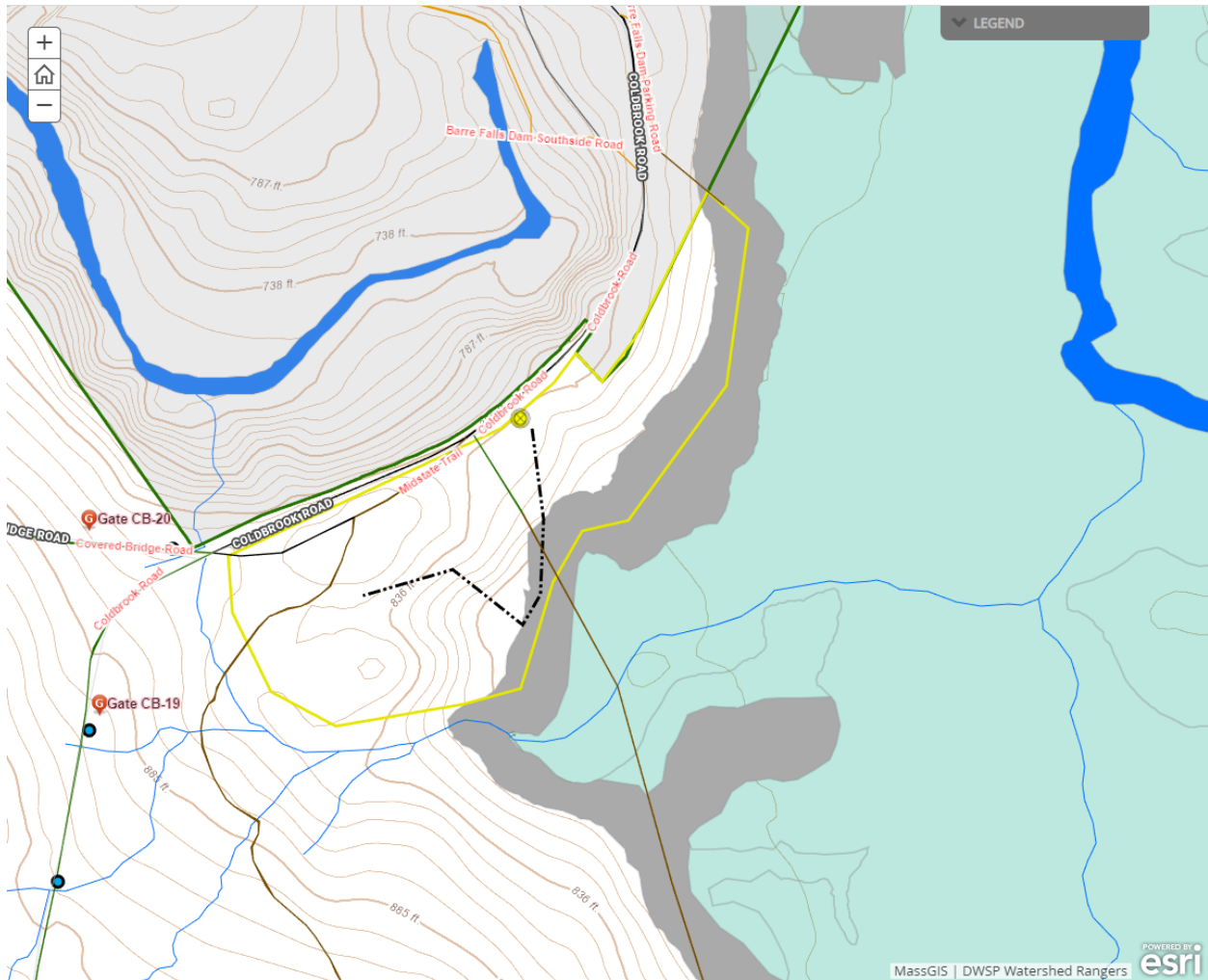
A NHESP bubble from Barre Falls crosses Coldbrook Road and touches the boundary of this lot near Parker Cemetery. NHESP has determined that certain state-listed sensitive species or habitats may exist within the lot proposal area. To protect them from unnecessary disturbance, detailed information regarding affecting species and their locations is not included in this report. DWSP will coordinate with NHESP and follow recommendations to protect these species during the proposed activity.



## Environmental Quality Engineering

### Comments on EQ Issues:

No crossings are planned that would require EQ monitoring.



## Forest Access Engineering

**Gravel needed:** No

**Landing work needed:** No

**Culverts needed:** No

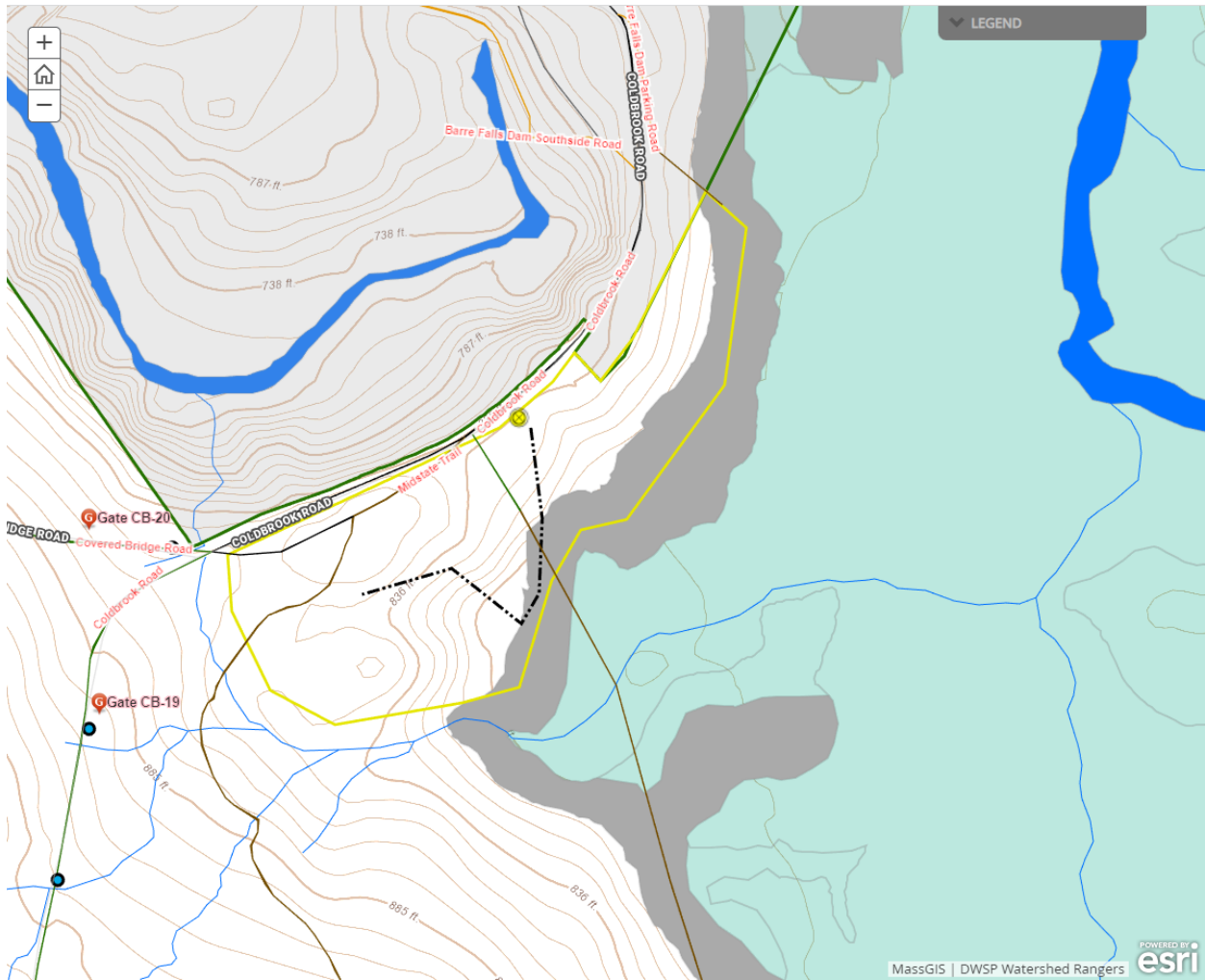
**Work needed on permanent bridges:** No

**Beaver issue:** No

**Further comment on access needs:**

No work should be necessary for access.





## DWSP FY 2022 Forestry Proposals – Master Legend for story maps

