

Ware River Harvest Proposal WR-22-2-1

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.

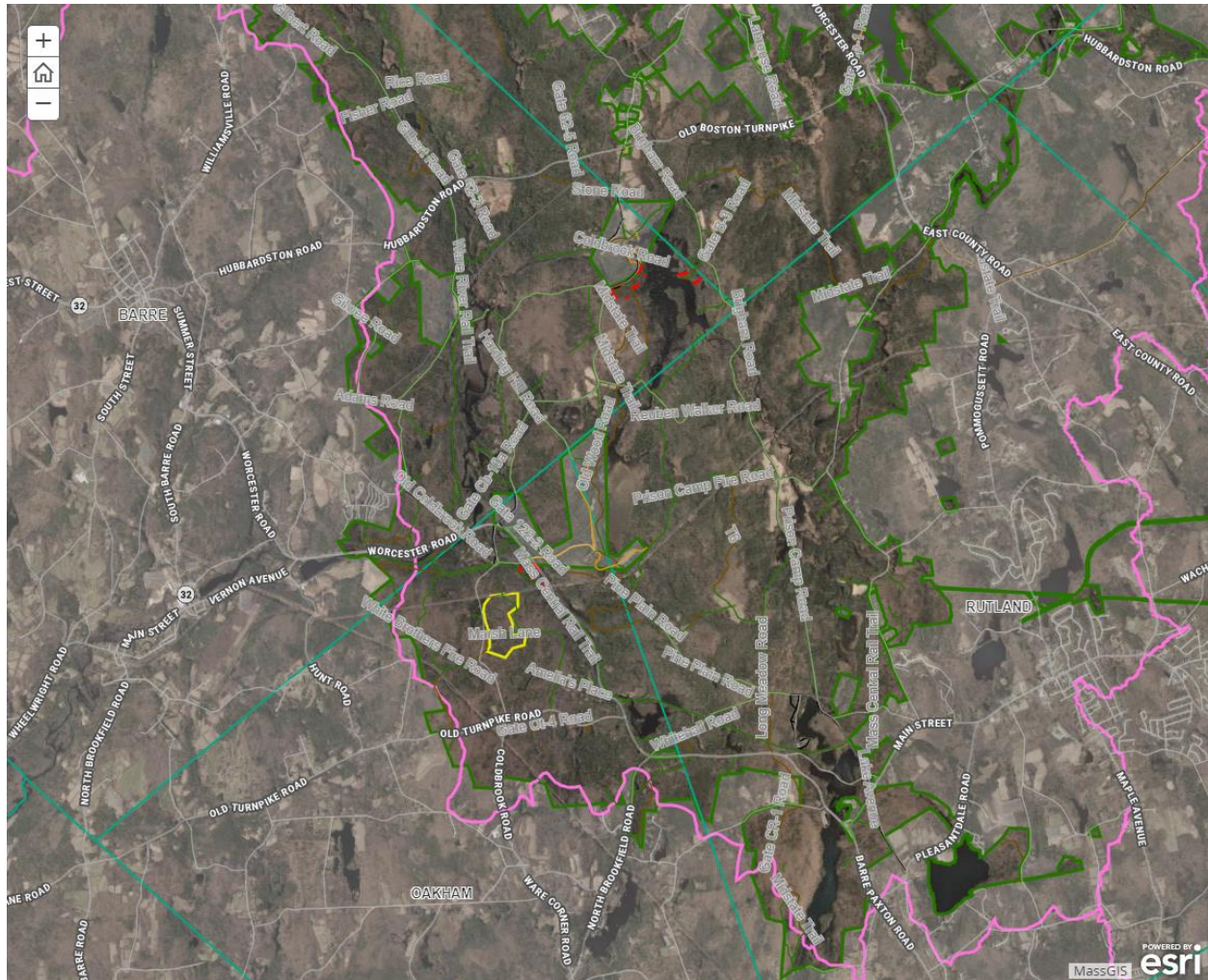
Proposal Goals

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 lot is in the town of Oakham. It is bordered on the west by Coldbrook Road, on the north by power lines, on the east by streams and wetlands, and to the south by wetlands and lot 217 and a wetland.

Total Acres: 78



General Description

	Overstory Type(s)	Acres
Dominant	White pine - oak	65
Secondary	Oak - hardwood	13

Secondary

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

Secondary	
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Description of forest composition/condition:

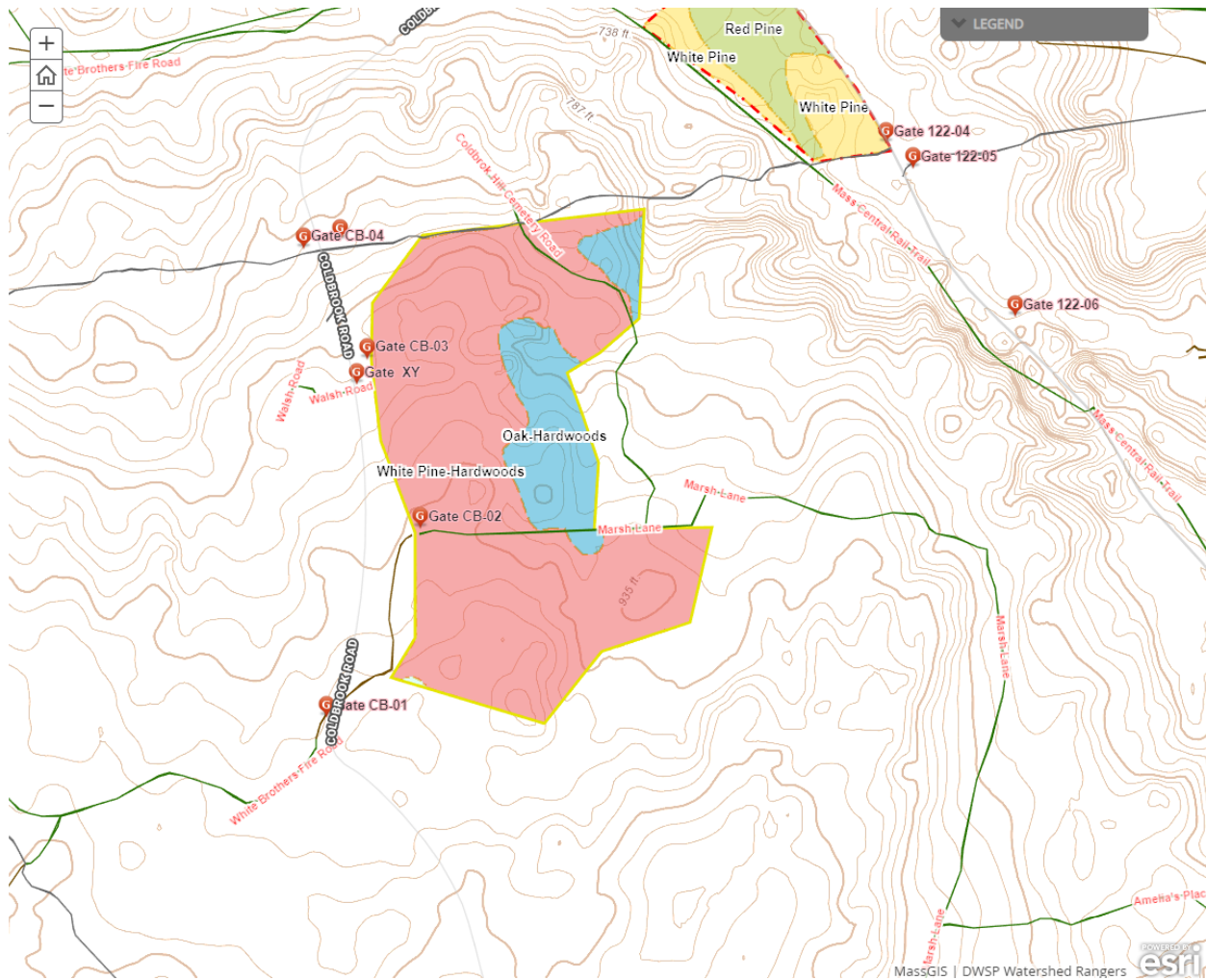
The only recorded harvest in the area is lot 164, a 26 acre shelterwood in the northwestern portion of the lot that was completed in 1988. No discernable openings were created during that harvest. The 1938 aerial photos show this area was young forest at that time. The entire lot appears to be even aged with multiple species dominating the overstory.

White pine/Oak - This stand is dominated by mature, sawlog size white pine and red, black, white, and scarlet oak. Red maple, black birch, black cherry, aspen, eastern hemlock, and yellow birch are also found in the overstory. The stand is well stocked with approximately 160 square feet of basal area per acre, with approximately 30 square feet per acre in acceptable growing stock. The quality of the overstory white pine varies greatly. The quality is better generally in the northern portion of the lot, and poorer south of Marsh Lane. The quality of the oak also varies from good to poor, but is more patchy throughout the stand. The quality of the other hardwoods is generally poor. Regeneration is well established throughout the lot and consists of red maple, black birch, red, white, black, and scarlet oak, white pine, eastern hemlock, and Norway spruce seedlings. American chestnut sprouts are also present.

Oak/hardwood - This stand is dominated by mature, sawlog size red, white, and black oak. Scarlet oak, white pine, red maple, paper birch and yellow birch are also present in the overstory. American basswood was observed in the overstory along the brook on the eastern edge of the lot north of Marsh Lane. The stand is well stocked with approximately 128 square feet of basal area per acre, with approximately 33 square feet per acre in acceptable growing stock. The quality of the oak is not particularly good. There are occasional nice stems, but there are patches of low quality stems throughout the stand. Regeneration is well established with white pine, eastern hemlock, black birch red maple, red oak, and Norway spruce seedlings.

Assessment of Terrestrial Invasive Species:

Glossy buckthorn is present, particularly adjacent to the Norway spruce stands along Coldbrook Road.



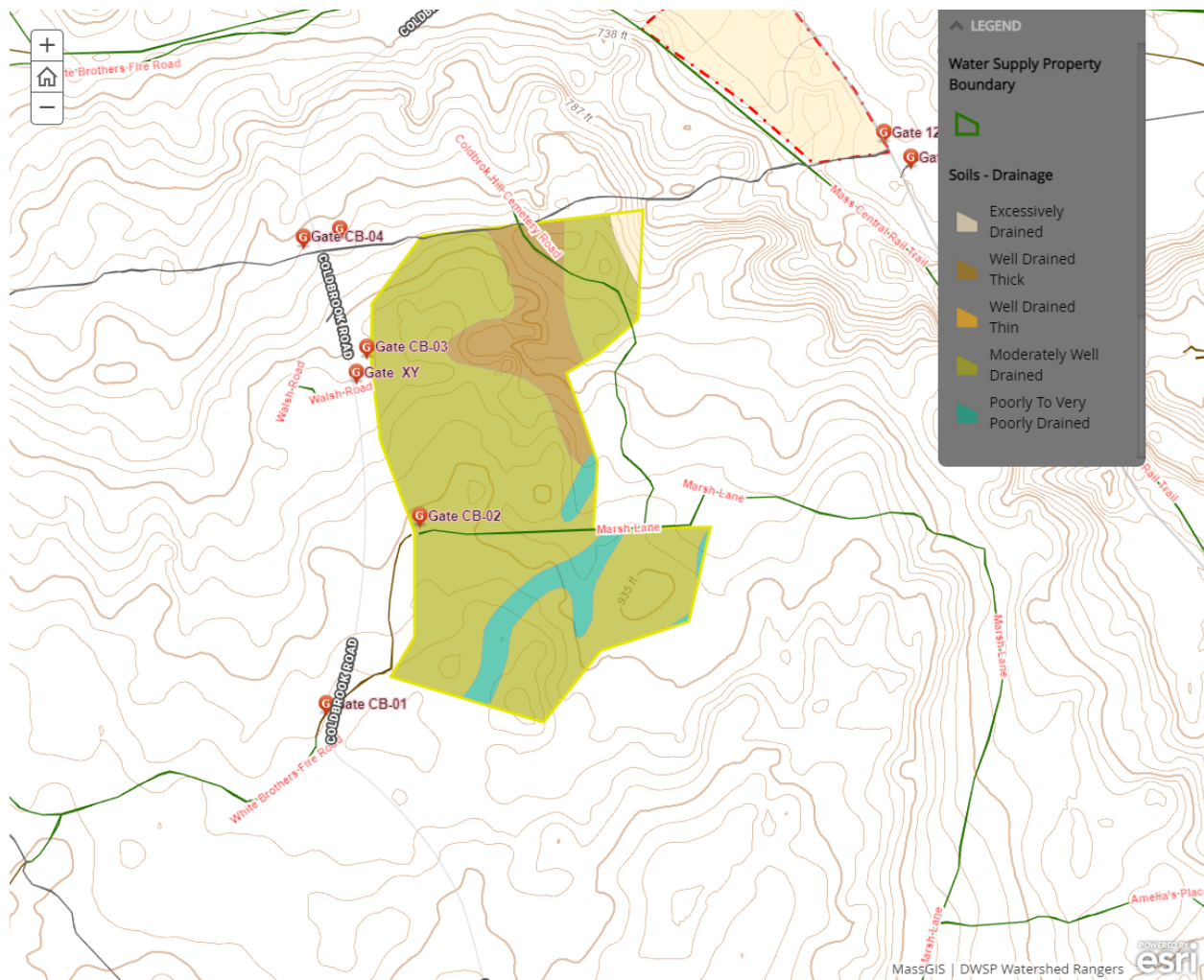
Soils

Drainage Class	%
Excessively Drained	0
Well Drained Thin	0
Well Drained Thick	13
Moderately Well Drained	78
Poorly to Very Poorly Drained	7

927C Montauk-Scituate-Canton association, 3 to 15 percent slopes, extremely stony - Moderately well drained - 61 acres

915E - Montauk-Canton association, 15 to 45 percent slopes, extremely stony - Well Drained thick - 10 acres

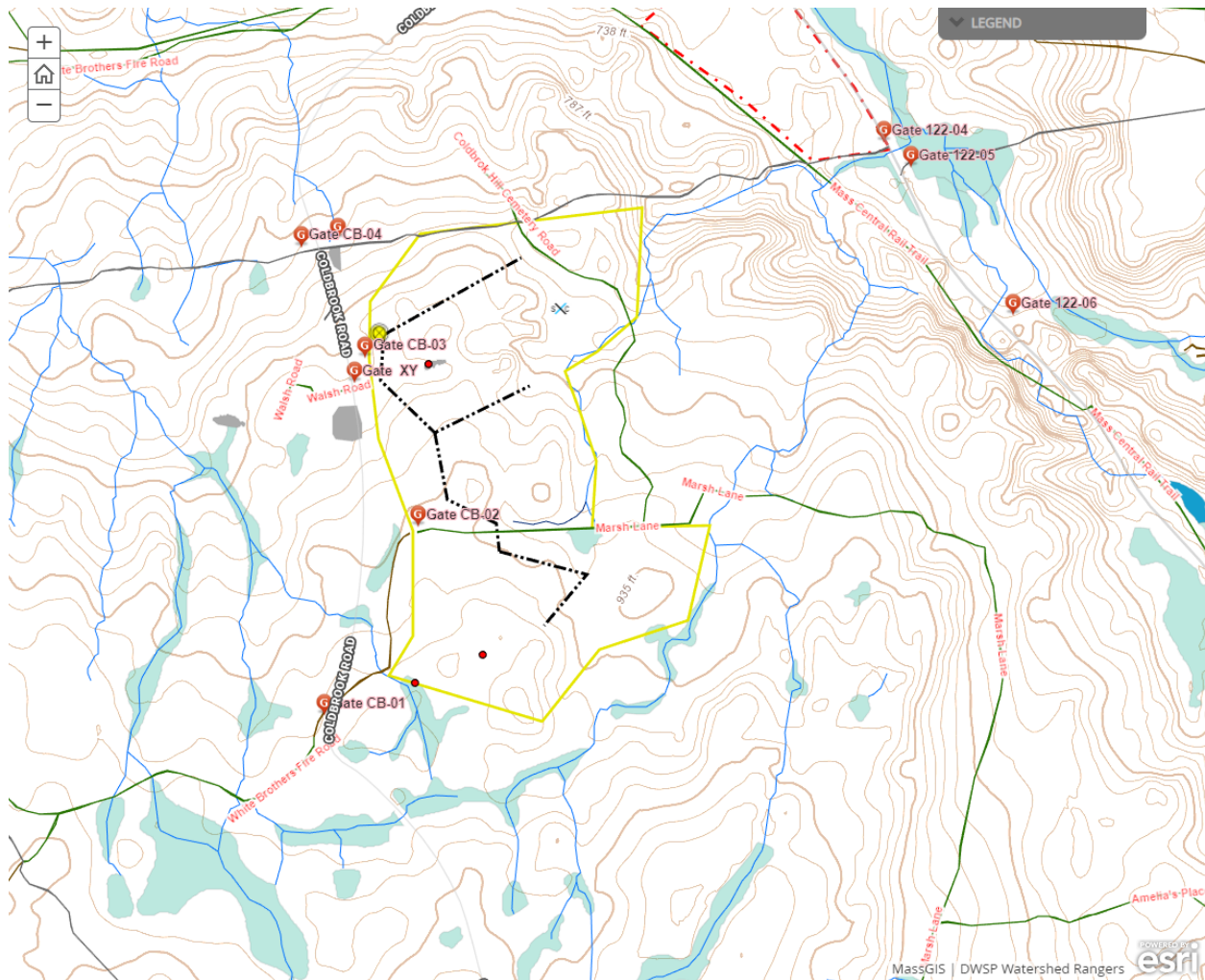
918B - Ridgebury-Whitman association, 0 to 8 percent slopes, extremely stony - Poorly to very poorly drained - 5.6 acres - thin vein of wet soils running roughly north to south through the middle of the southern portion of the lot below Marsh Lane. Will have to be crossed to access the southeastern portion of the lot.



Wetlands

- Wetlands present? - **Yes**
- Streams present? - **Yes**
- Vernal pools present? - **Yes**
- Seeps present? - **None known**

- Are stream crossings required? - **Yes**
- Are wetland crossings required? - **Yes**
- Is logging in filter strips planned? - **Yes**
- Is logging in wetlands planned? - **No**



Silviculture

Acres in Intermediate cuts: **0**

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

Acres in Regeneration cuts: **26**

Average regen opening size: **2**

Maximum regen opening size: 5

Description of advance regeneration in proposal area:

Regeneration is well established throughout the lot and consists of red maple, black birch, red, white, black, and scarlet oak, white pine, eastern hemlock, and Norway spruce seedlings. American chestnut sprouts are also present.

General comments on silviculture proposed:

White pine/oak - Group selection will be used to establish regeneration openings in this stand. At least 1, up to 2 openings between 2 to 5 acres will be created in the southern part of the lot, targeting the poorest quality white pine and areas with the best regeneration. Another 10 to 15 acres of openings in groups between 1 and 2 acres will be established throughout the stand. 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. Some tending/improvement cutting will be done along skid trails.

Oak/hardwood - Group selection will be used to establish regeneration openings in this stand. Up to 5 acres of openings in groups between 0.5 and 2 acres will be established through out the stand, targeting the poorest quality oak stems. 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. Some tending/improvement cutting will be done along skid trails.



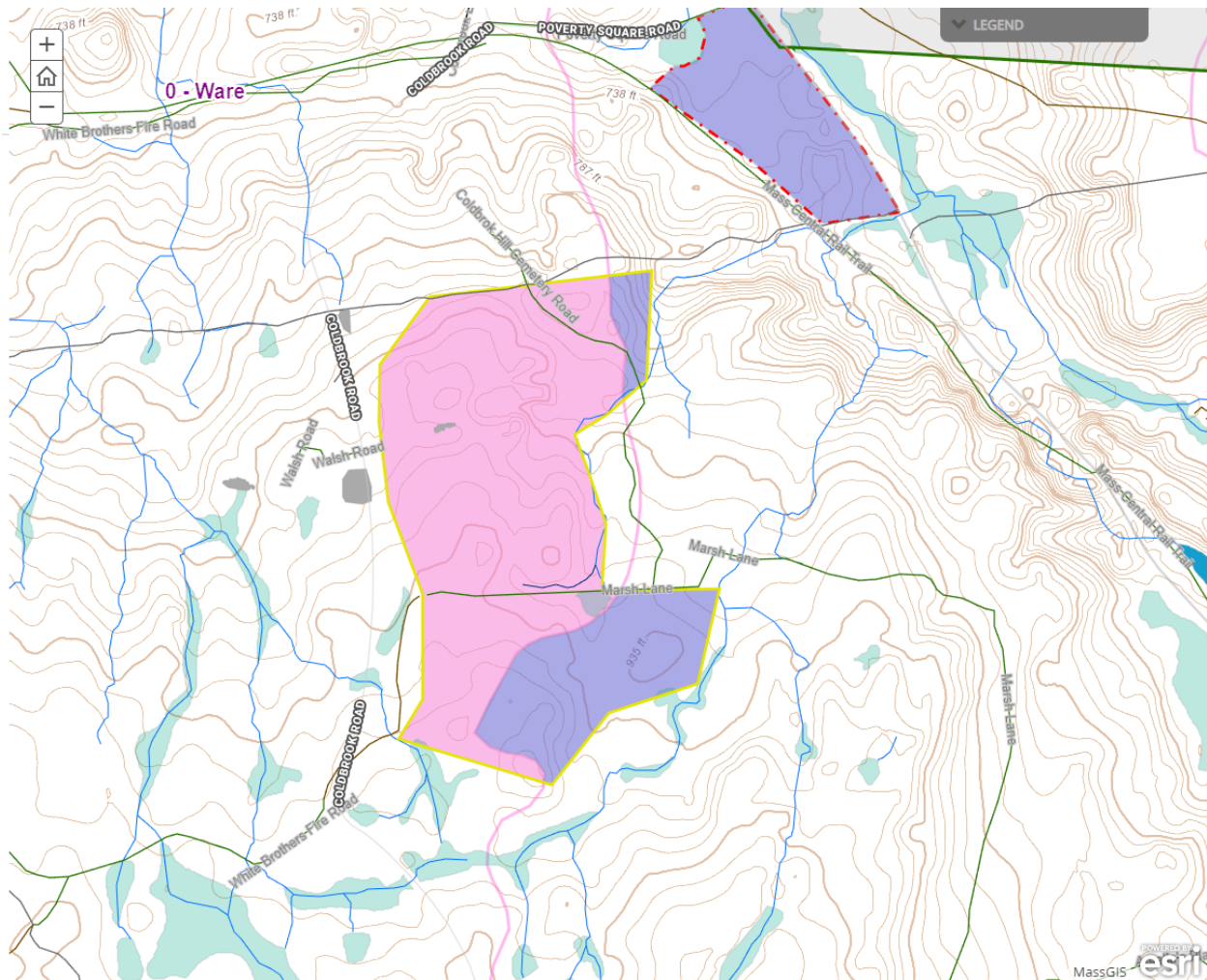
Subwatershed Analysis

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
8063 (Ware River Intake)	3072	59	709	58
8061 (Parker Brook)	3133	62	721	20

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 3 acres in

proposal WR-22-22-4, 79 acres in proposal WR-21-21-3, 48 acres in proposal WR-19-20-3 in this subwatershed.

8061 - Parker - There are 17 acres in proposal WR-22-2-2, 26 acres in proposal WR-21-8-2, 8 acres in proposal WR-20-4-1, 11 acres in proposal WR-20-8-2, 5 acres in proposal WR-16-3-1, and 46 acres in proposal WR-17-7-1 in this subwatershed.



Harvesting Limitations

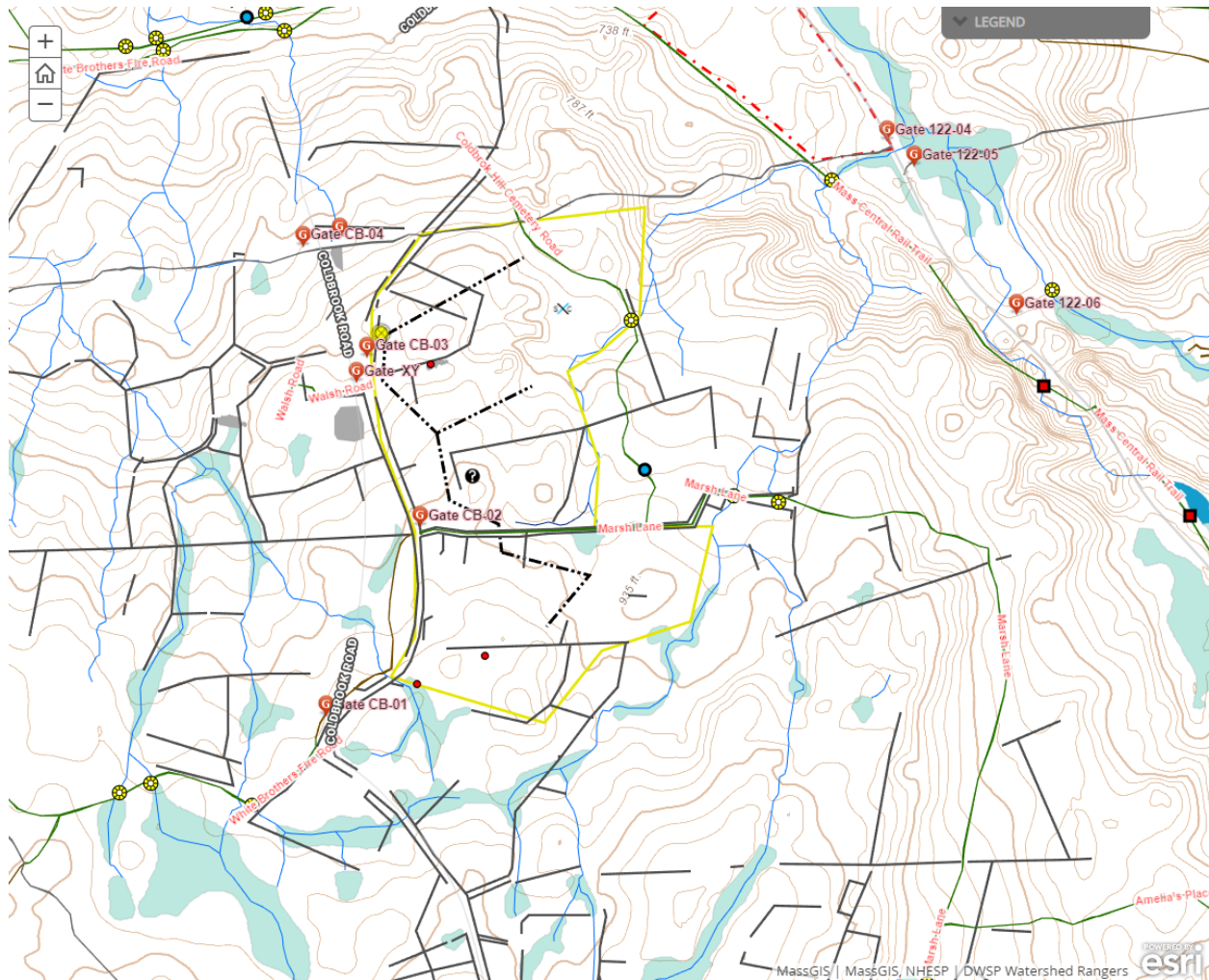
Forwarder required: **No**

Feller/processor required: **No**

Steep slopes present: **No**

Comments on harvesting limitations:

No specific equipment requirements.

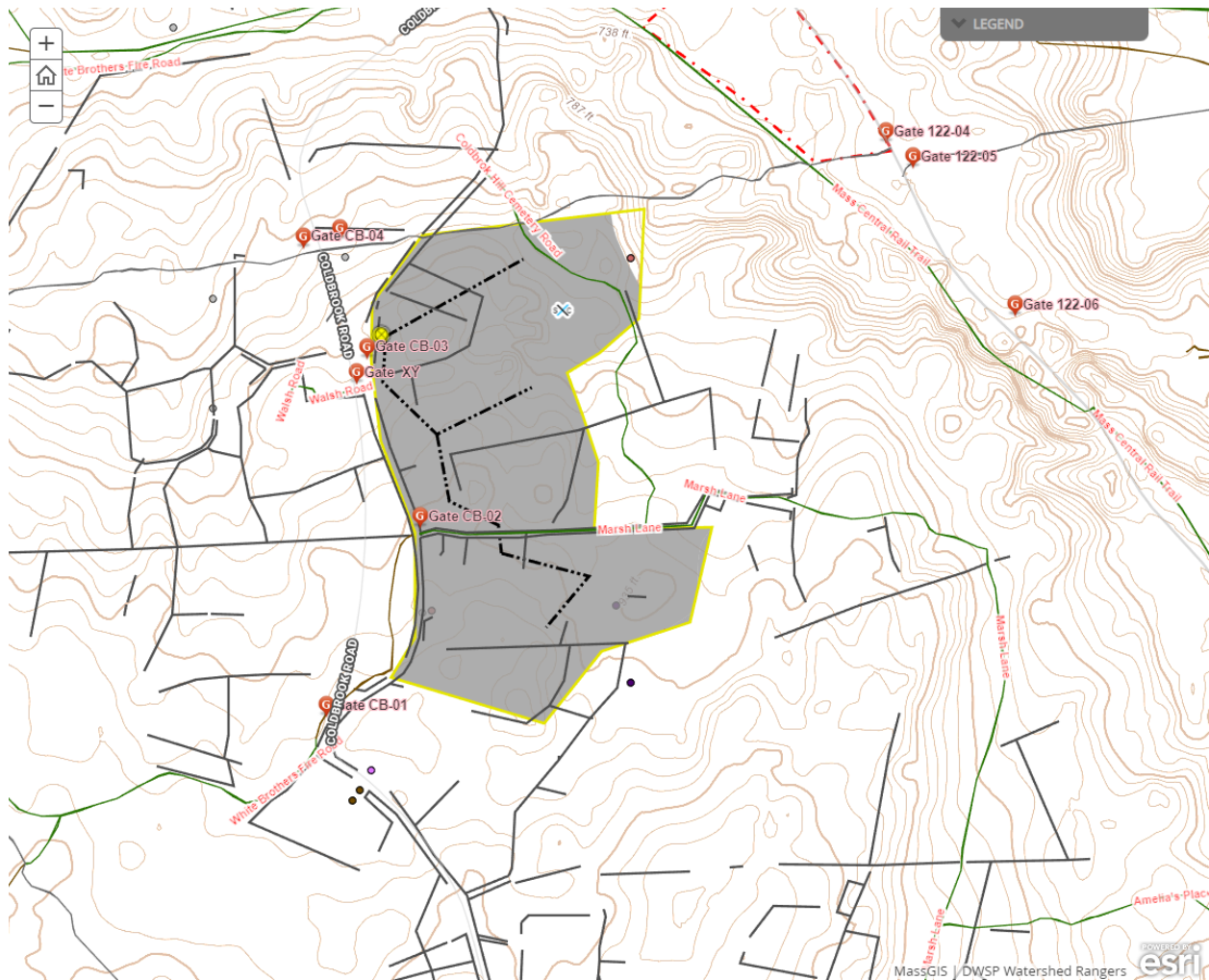


Cultural Resources

Comments on Cultural Resources:

There are two historical burial sites on this proposal. One headstone with multiple possible graves is located in the very northeastern corner of the lot, at the reported site of an old schoolhouse. No evidence of the schoolhouse is present, but the grave stone is still present. One local historian believes there may be other unmarked graves in near the site. The entire area will be buffered. Another headstone is located in the southwestern portion of the lot just off of Coldbrook Road. That site will be well buffered as well. There is also a cellar hole south of the

intersection of Coldbrook Rd and Marsh Lane that will be buffered. There are stone walls present throughout the lot that will have to be crossed to access the lot.



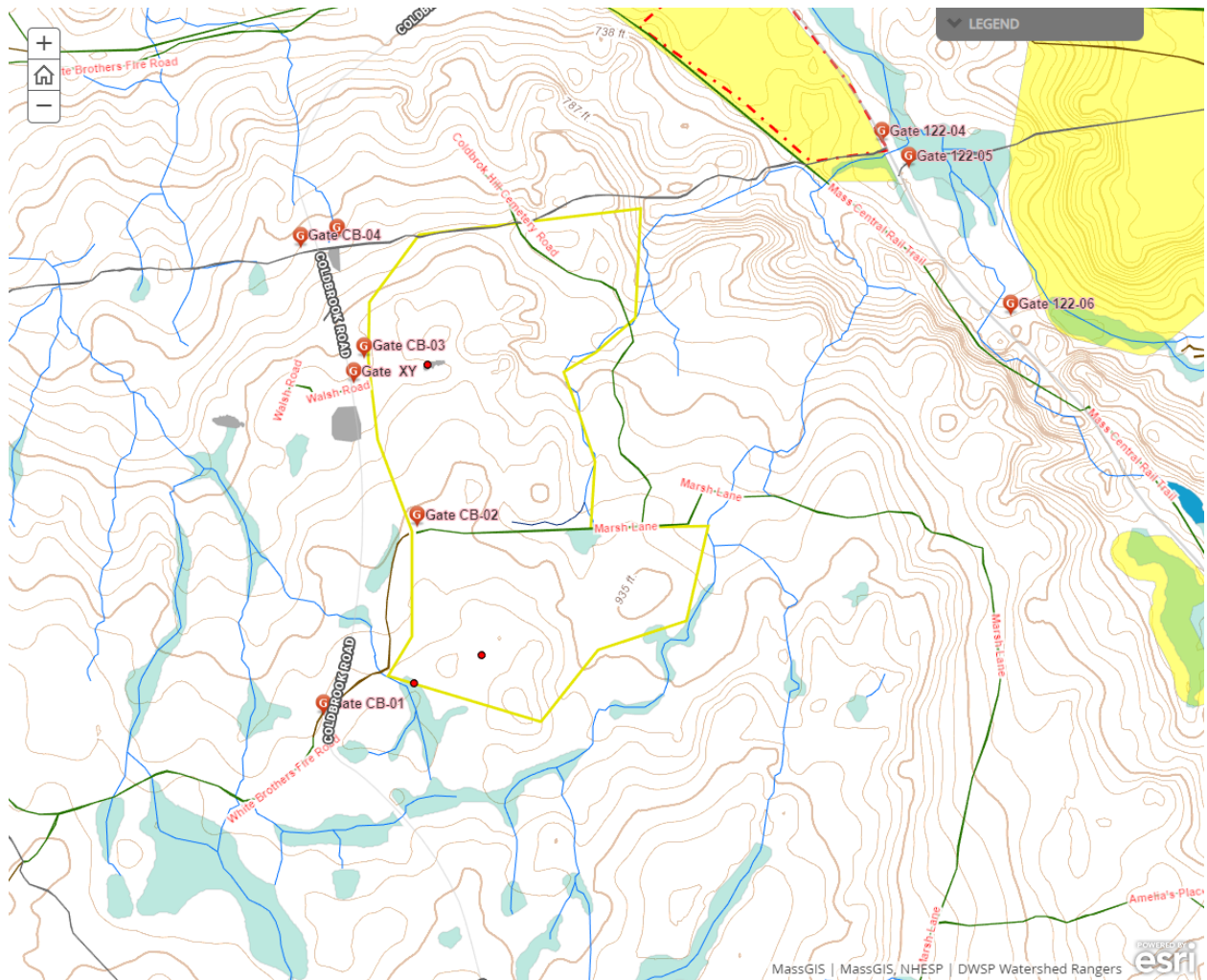
Wildlife Resources & Rare and Endangered Species

General Wildlife Comments:

Moose and deer sign and browse were observed on the lot..

Comments on Rare Species/Habitats:

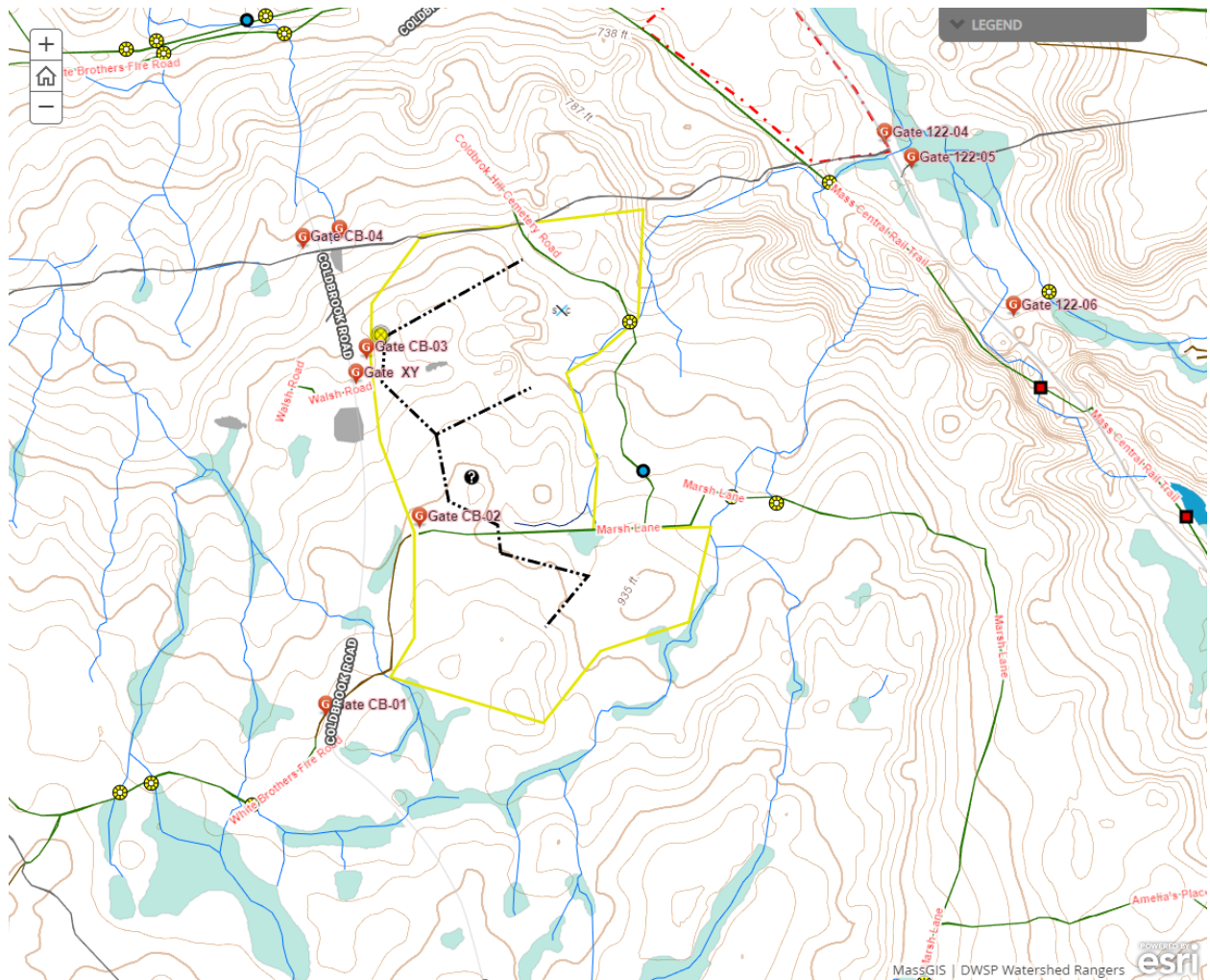
No known rare species or priority habitats on site.



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: Yes

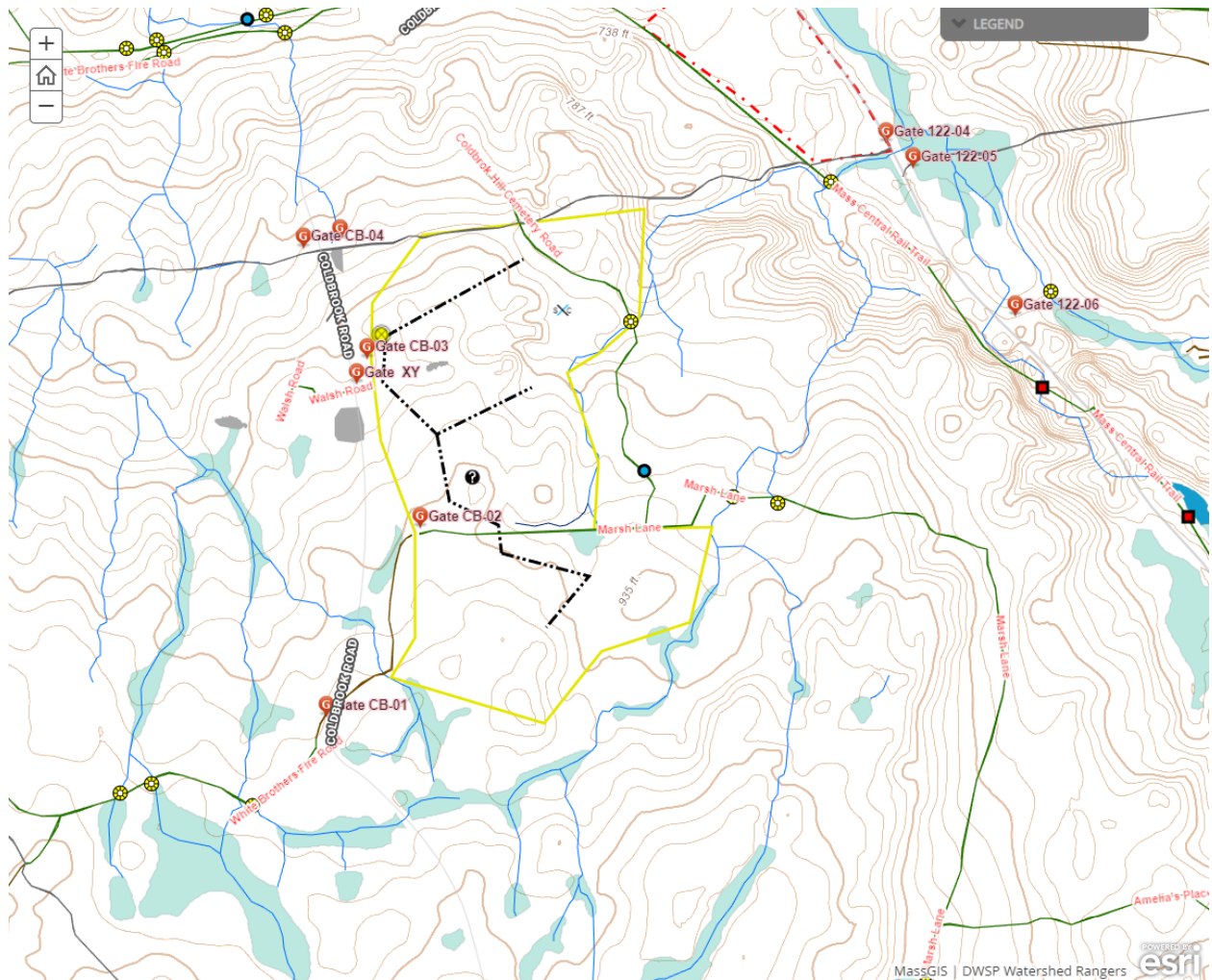
Culverts needed: No

Work needed on permanent bridges: No

Beaver issue: No

Further comment on access needs:

The landing will be located on Old Coldbrook Road. The gate off of Coldbrook Road may need to be moved during operations to facilitate access.



DWSP FY 2022 Forestry Proposals – Master Legend for story maps

