

# **Ware River Harvest Proposal WR-22-22-3**

## **Proposal Goals**

The goals for this proposal are to remove plantation red pine before it succumbs to red pine scale and to release regeneration that has been established naturally.

## **Proposal Location**

The area to be harvested in this proposal is in the town of Barre. The landing is in the town of Hubbardston south of Route 62 off of (DCR gated interior road) Brigham Road. This proposal follows the outline of a red pine stand on the east side of the Ware River, just west of the Barre/Hubbardston town line.

**Total Acres: 8**



## General Description

	Overstory Type(s)	Acres
<b>Dominant</b>	Red pine	8
<b>Secondary</b>		

## Secondary

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

<b>Secondary</b>	
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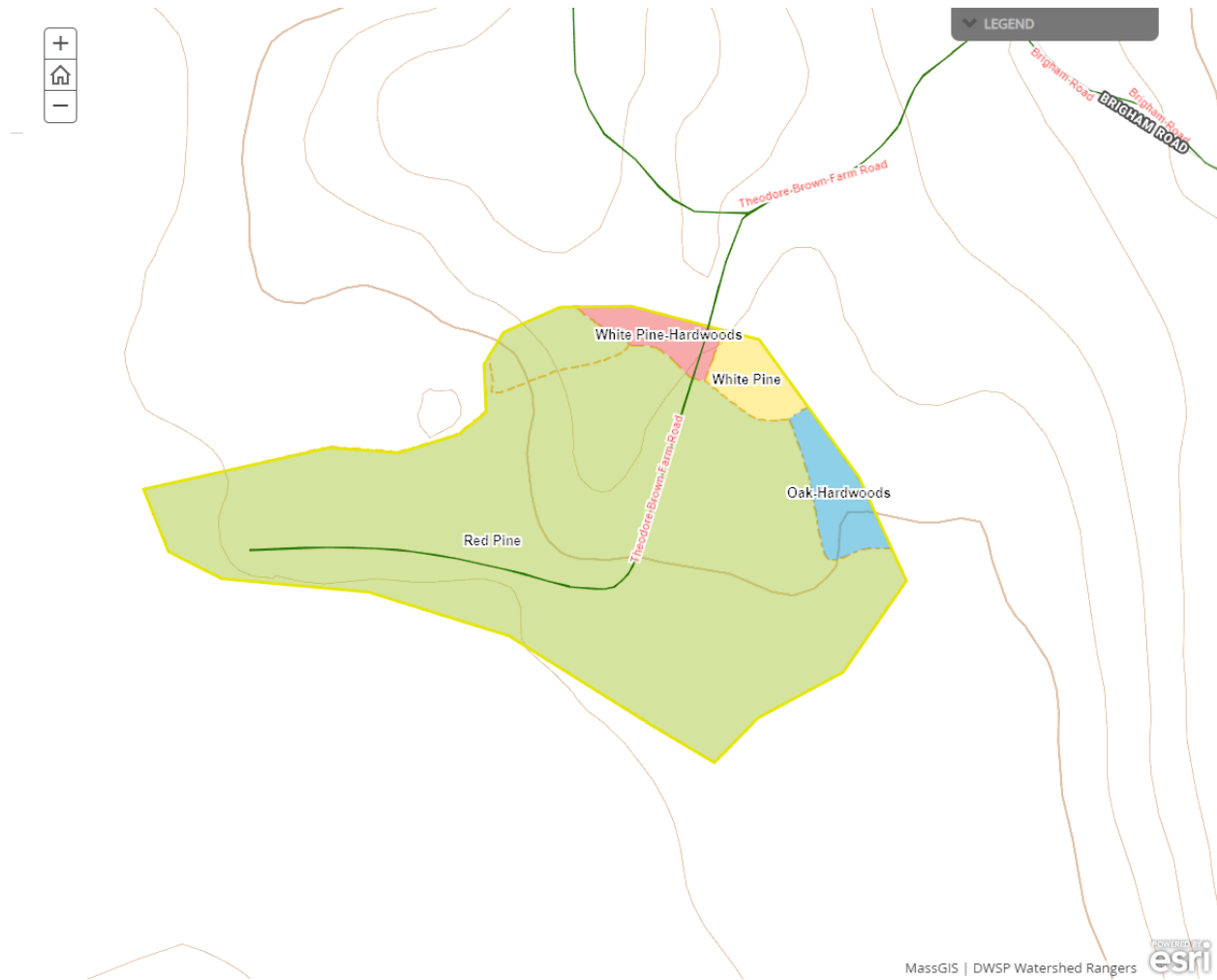
**Description of forest composition/condition:**

Some light thinning was done in parts of the stand at some point 30 or more years ago. The 1938 aerial photos appear to show this area as young plantation at that time.

This red pine plantation is dominated by good quality, mature, sawlog size red pine. Scattered white pine, red oak, and eastern hemlock are occasionally also present in the overstory. The stand averages approximately 140 square feet of basal area per acre of overstory trees, 95% of which are red pine. Overall quality is good with approximately 125 square feet per acre in acceptable growing stock. The stand is two-aged with well established regeneration consisting of saplings and small poles, except in the flood zone where regeneration is sparse. Regeneration consists of white pine, red oak, white oak, red maple, black birch, eastern hemlock, white birch, American beech, and black cherry. Mortality is present in the overstory red pine, in and outside of the flood zone. Fire scars are visible in white pine stems in the adjacent white pine stand. Fire history on the site is probably due to a historically popular fishing/illegal use spot on the shore in the stand.

**Assessment of Terrestrial Invasive Species:**

Glossy buckthorn is well established throughout the stand.



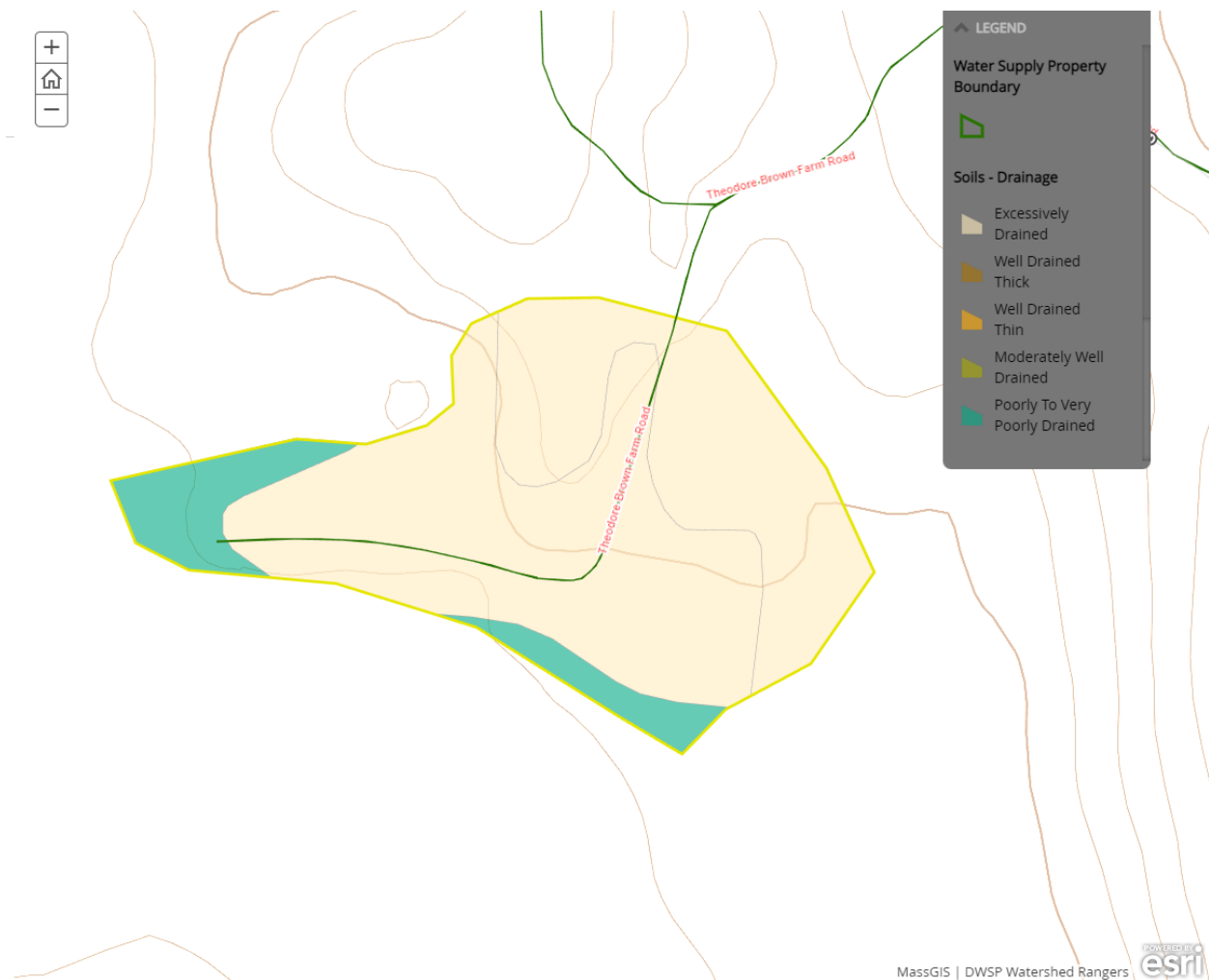
## Soils

Drainage Class	%
Excessively Drained	89
Well Drained Thin	0
Well Drained Thick	0
Moderately Well Drained	0
Poorly to Very Poorly Drained	11

253C - Hinckley loamy sand, 8 to 15 percent slopes, excessively drained - 4.3 acres

253B - Hinckley loamy sand, 3 to 8 percent slopes, excessively drained - 2.8 acres

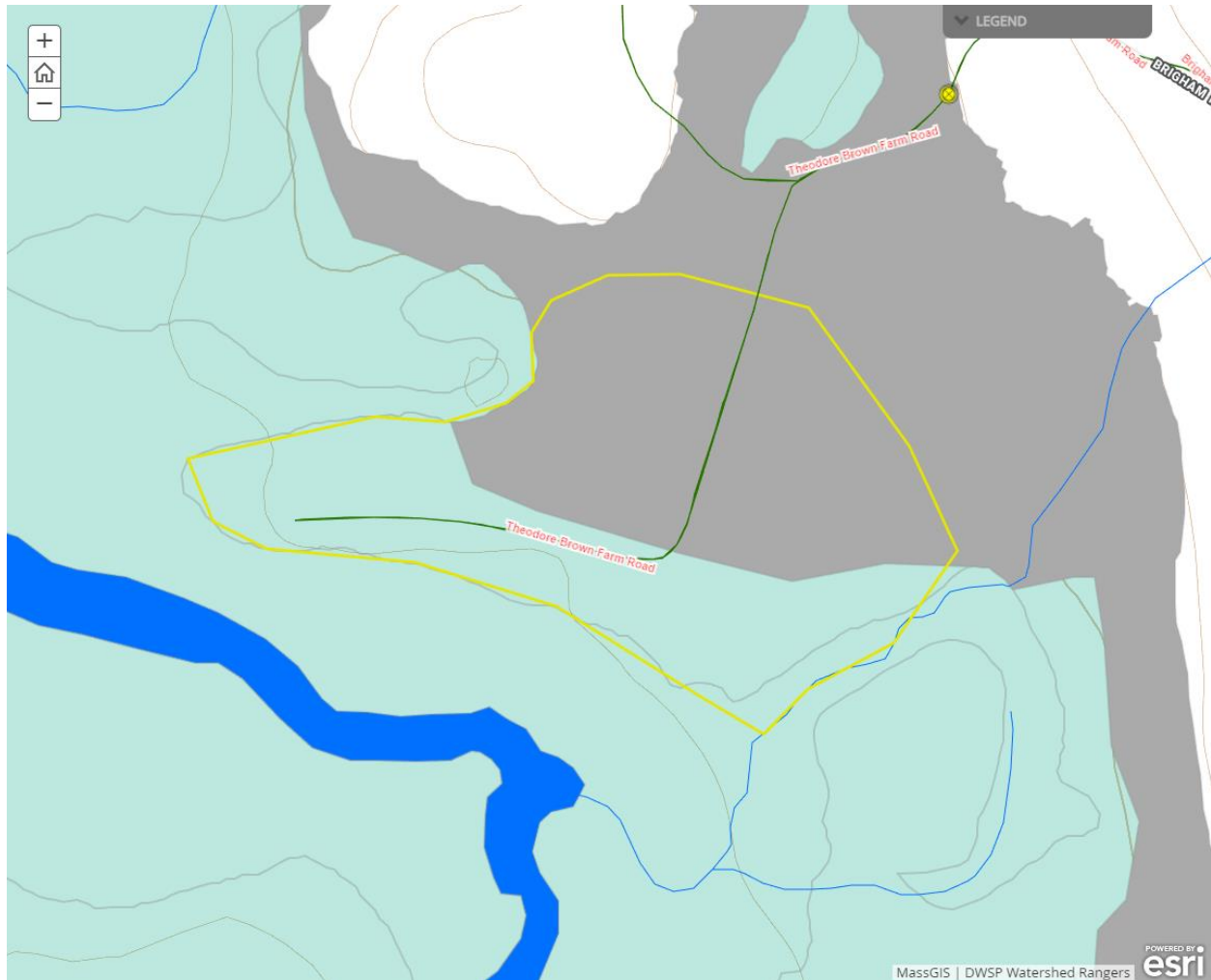
59A - Bucksport and Wonsqueak mucks, 0 to 3 percent slopes, poorly to very poorly drained - 1.0 acres in flood zone.



## Wetlands

- Wetlands present? - **Yes**
- Streams present? - **No**
- Vernal pools present? - **Yes**
- 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**

The wetland overlap shown on the map shows the typical and maximum 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: **8**

Average regen opening size: **8**

Maximum regen opening size: **8**

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

The stand is two aged with well established regeneration consisting of saplings and small poles, except in the flood zone where regeneration is sparse. Regeneration consists of white pine, red oak, white oak, red maple, black birch, eastern hemlock, white birch, American beech, and black cherry.

**General comments on silviculture proposed:**

All overstory red pine stems will be removed, except possibly in the flood zone. Healthy overstory stems of other species will be retained for structure and diversity, though they are very sparse throughout most of the stand and less than 5 square feet of basal area per acre. The regeneration will be protected as much as possible.



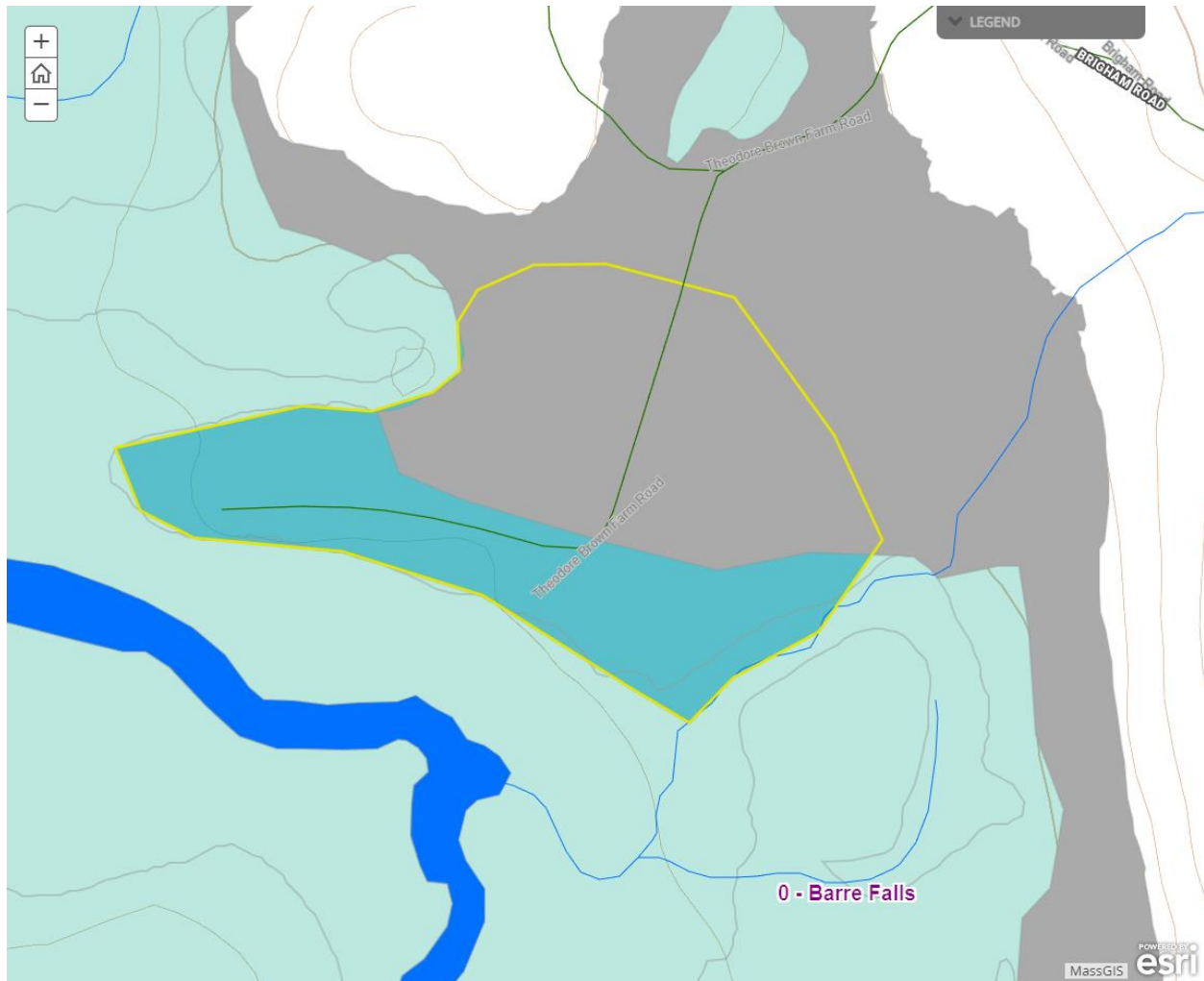


## Subwatershed Analysis

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	8

8042 - Barre Falls - There are 15 acres in proposal WR22-22-4 and 48 acres in proposal WR21-21-3 in this subwatershed.





## Harvesting Limitations

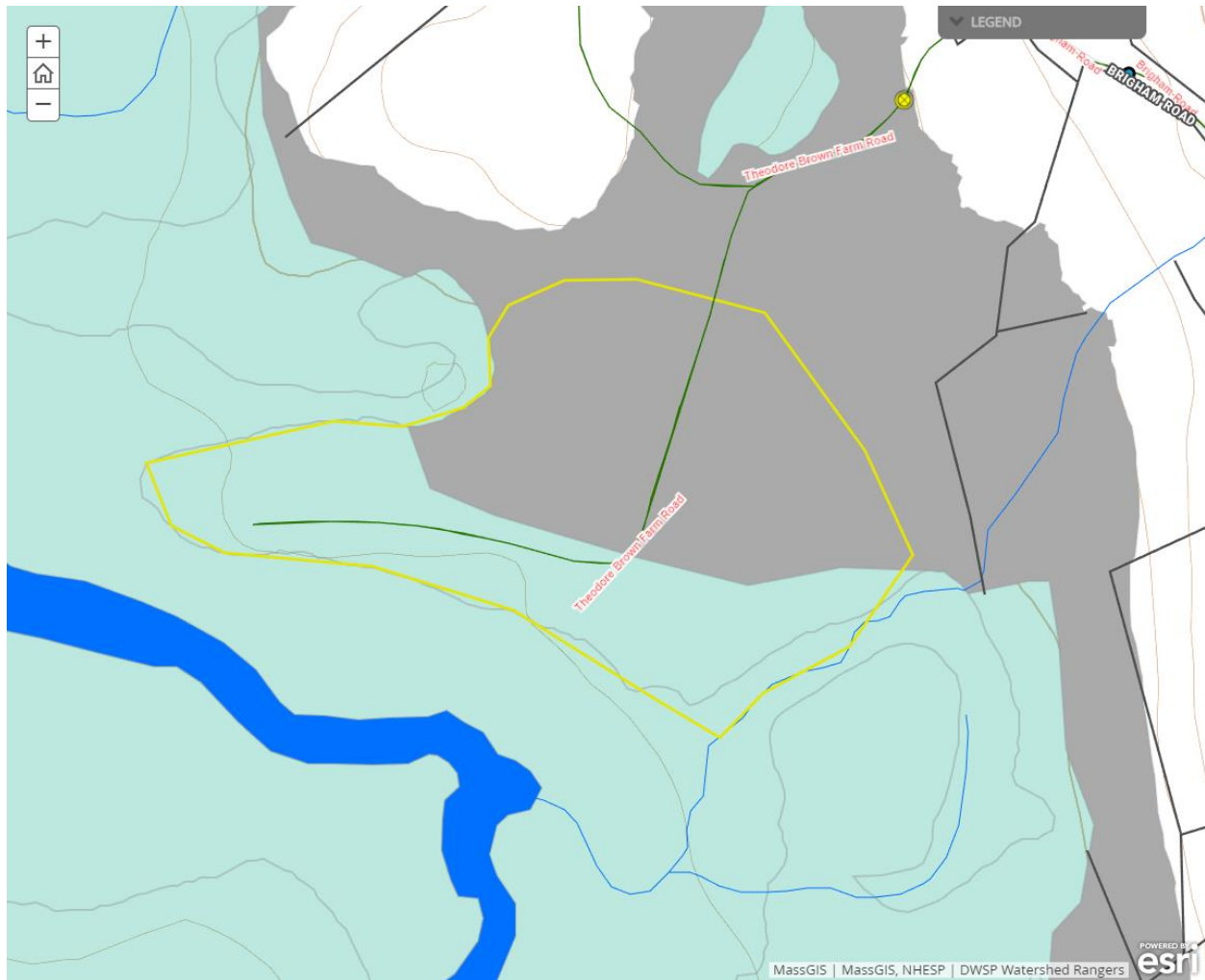
Forwarder required: **No**

Feller/processor required: **No**

Steep slopes present: **No**

### Comments on harvesting limitations:

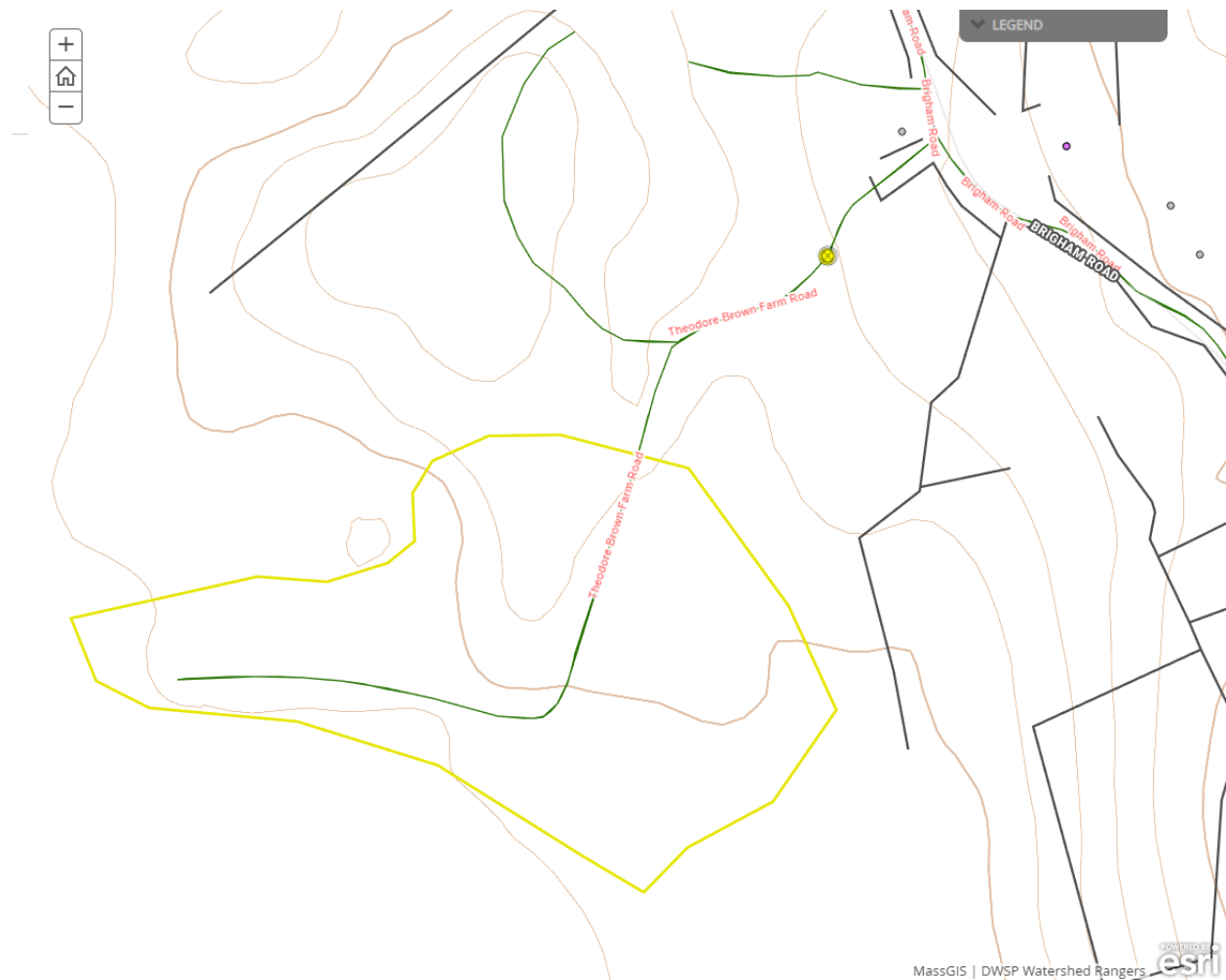
No specific equipment requirements.



## Cultural Resources

### Comments on Cultural Resources:

A cellar hole and stonewall located on Brigham Road will not be impacted.



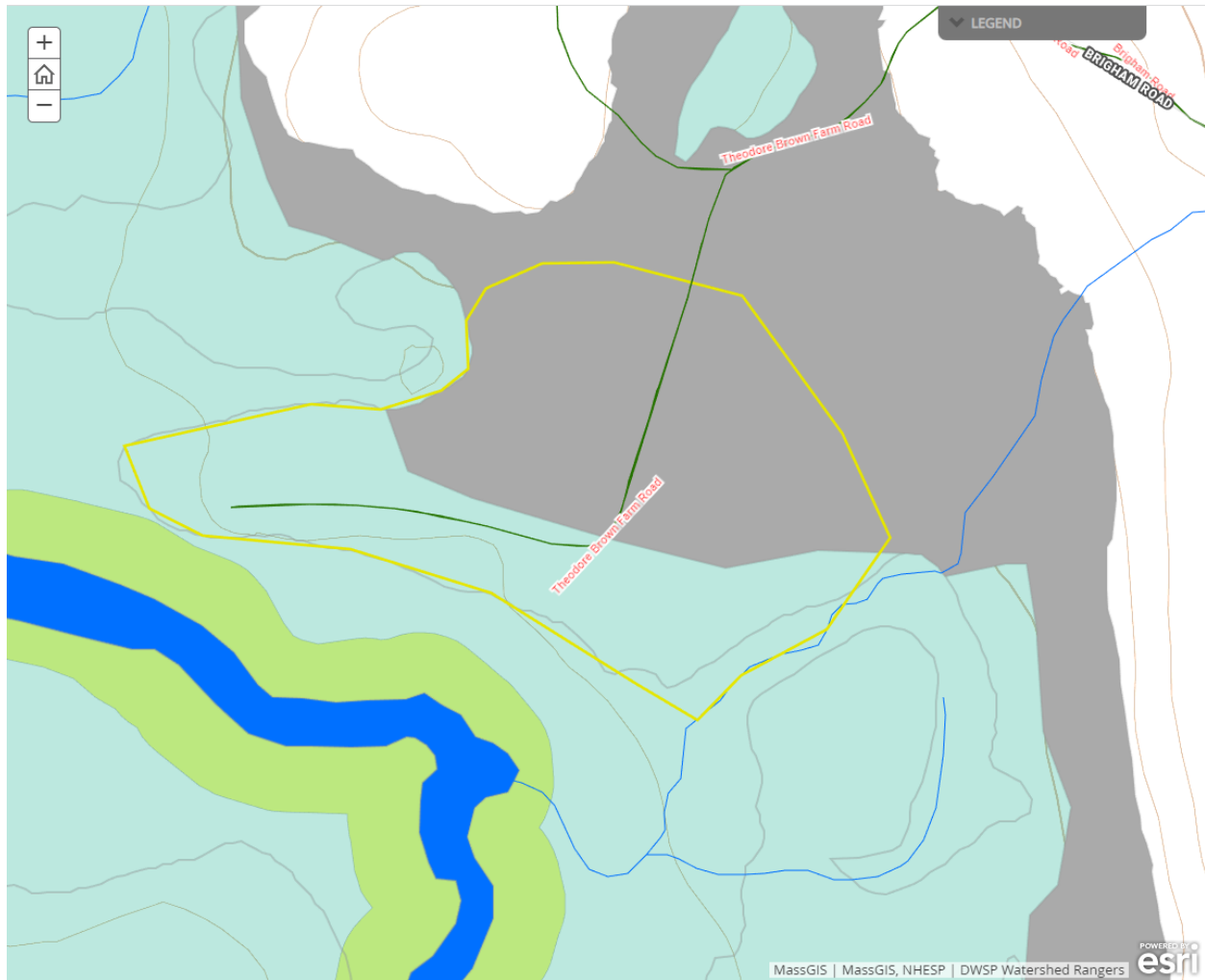
## Wildlife Resources & Rare and Endangered Species

### General Wildlife Comments:

Moose and deer presence noted. Beaver activity present, not particularly fresh.

### Comments on Rare Species/Habitats:

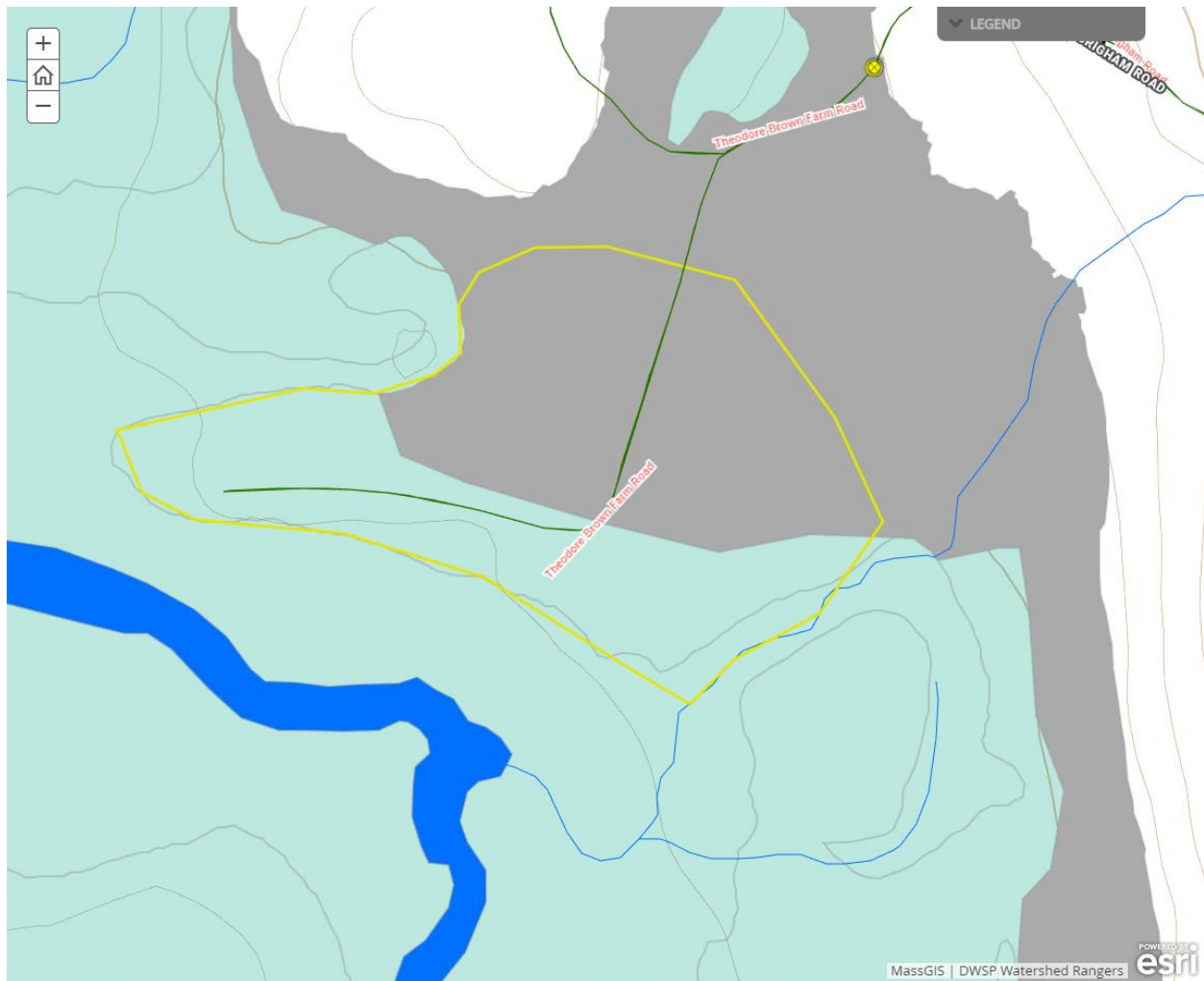
No rare plants or priority habitats here.



## 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

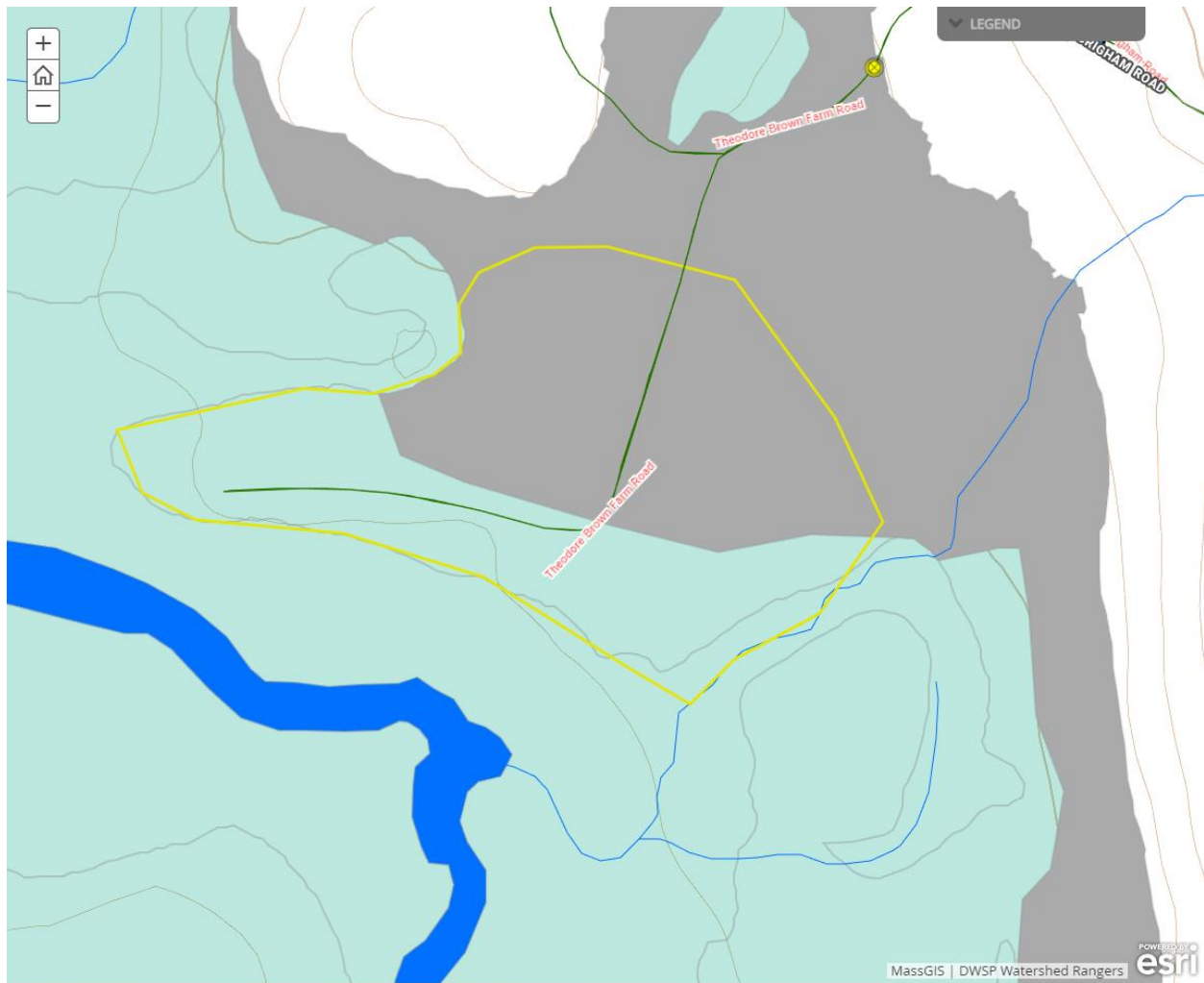
**Work needed on permanent bridges:** No

**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

