

Ware River Harvest Proposal

WR-20-8-2 *****CANCELLED*****

Proposal Update, May 2024:

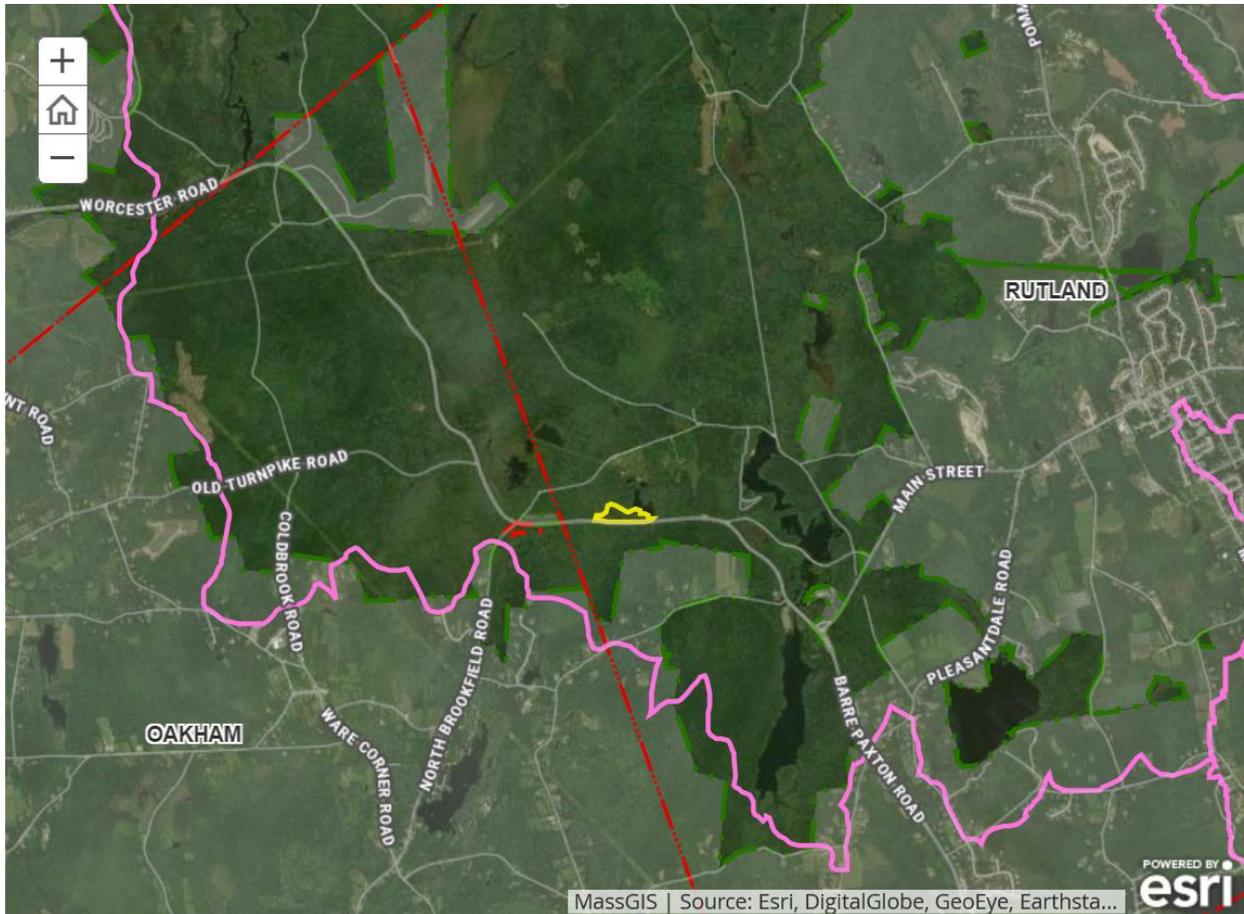
This forestry proposal was originally approved through the public process in 2019. The project was 'paused' along with most other state lands forestry projects as part of the EEA Forests as Climate Solutions Initiative. Following the close of the work of the Climate Forestry Committee, DWSP determined that this project will not move forward for reasons unrelated to the FACS process (dead trees decayed beyond suitability for harvest). The proposal language and mapping below are preserved unchanged from that presented to the public in 2019 in ArcGIS Online story map format.

Proposal Goals

Proposal Location

The southern boundary of the lot is Rt 122. The northern, western, and eastern boundaries are Parker Brook and associated wetlands.

Total Acres: 11



General Description

	Overstory Type(s)	Acres
Dominant	Red Pine	4
Secondary	White pine/hardwood	7

	Understory Type(s)
Dominant	Tree seedlings/saplings dominate site
Secondary	Dry site - blueberry/huckleberry

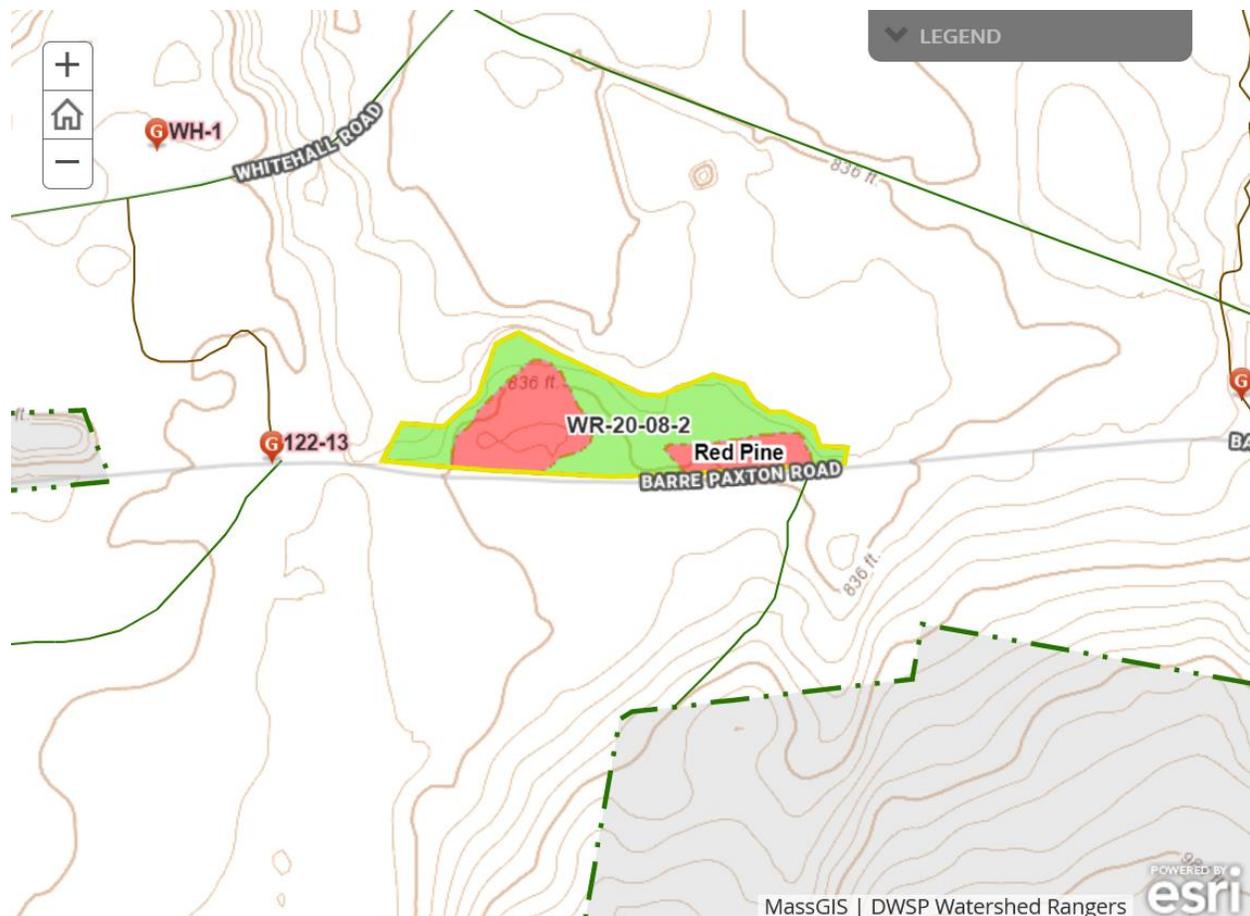
Description of forest composition/condition:

The red pine acreage is comprised of 2 stands that are 1.4 and 2.7 acres. The stands average 135 square feet per acre of basal area of good quality, sawlog size red pine. Mortality is present. The red pine stands were part of lot 175A, a shelterwood harvest completed in 1992. The 2.7 acre stand to the west has fewer stems per acre due to heavier past harvesting and heavier mortality, but larger average diameter stems. The regeneration is considerably more advanced as well.

The white pine stand has sawlog and pole sized, low to mid quality white pine and low quality hardwood. White pine, red oak, red maple, black cherry, hemlock, white oak, Scots pine, and pitch pine are present. Heavy beaver activity from the adjacent beaver pond/wetland is affecting the hardwood overstory trees and regeneration.

Assessment of Terrestrial Invasive Species:

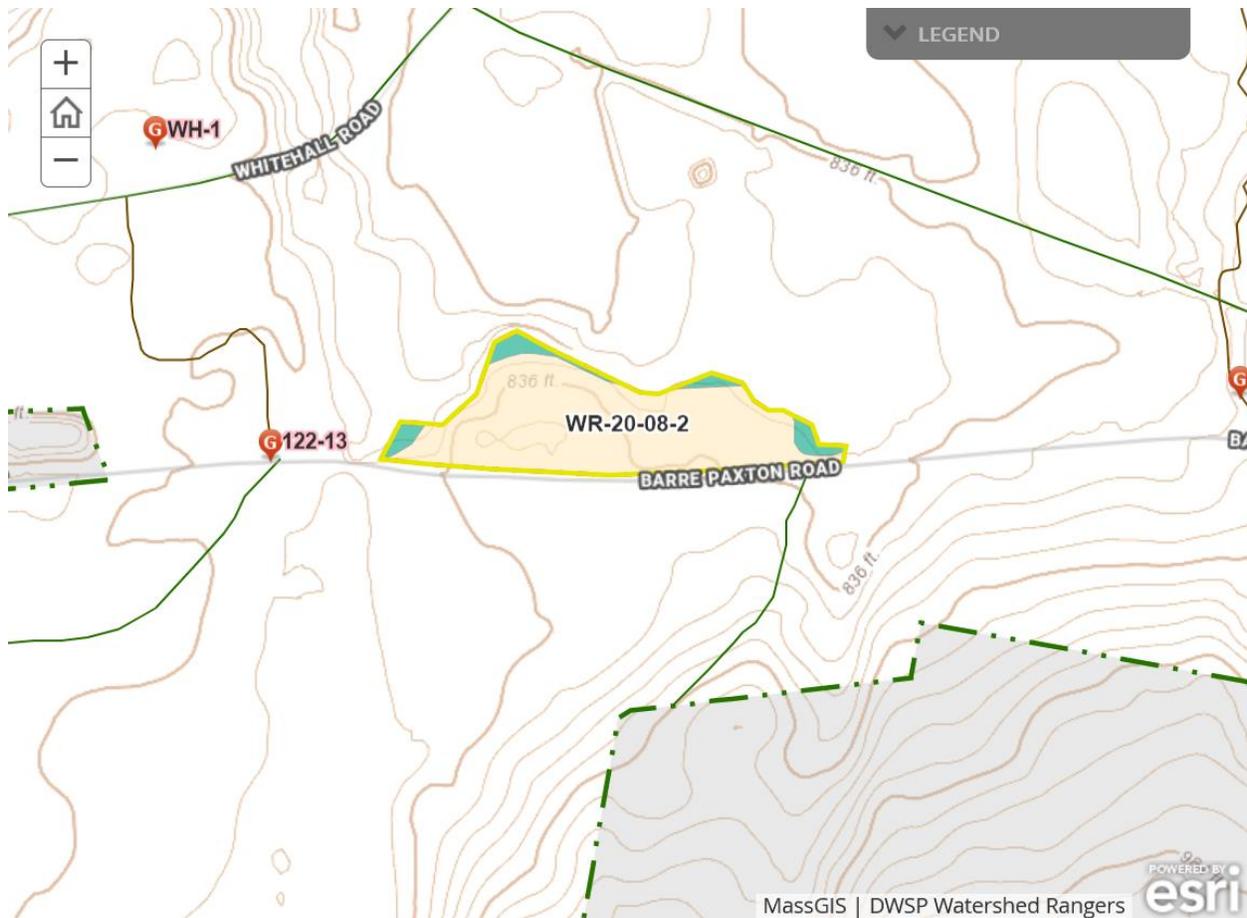
Gypsy moth eggs were present on red oak stems. No terrestrial invasive plant species noted.



Soils

Drainage Class	%
Excessively Drained	100
Well Drained Thin	0
Well Drained Thick	0
Moderately Well Drained	0
Poorly to Very Poorly Drained	0

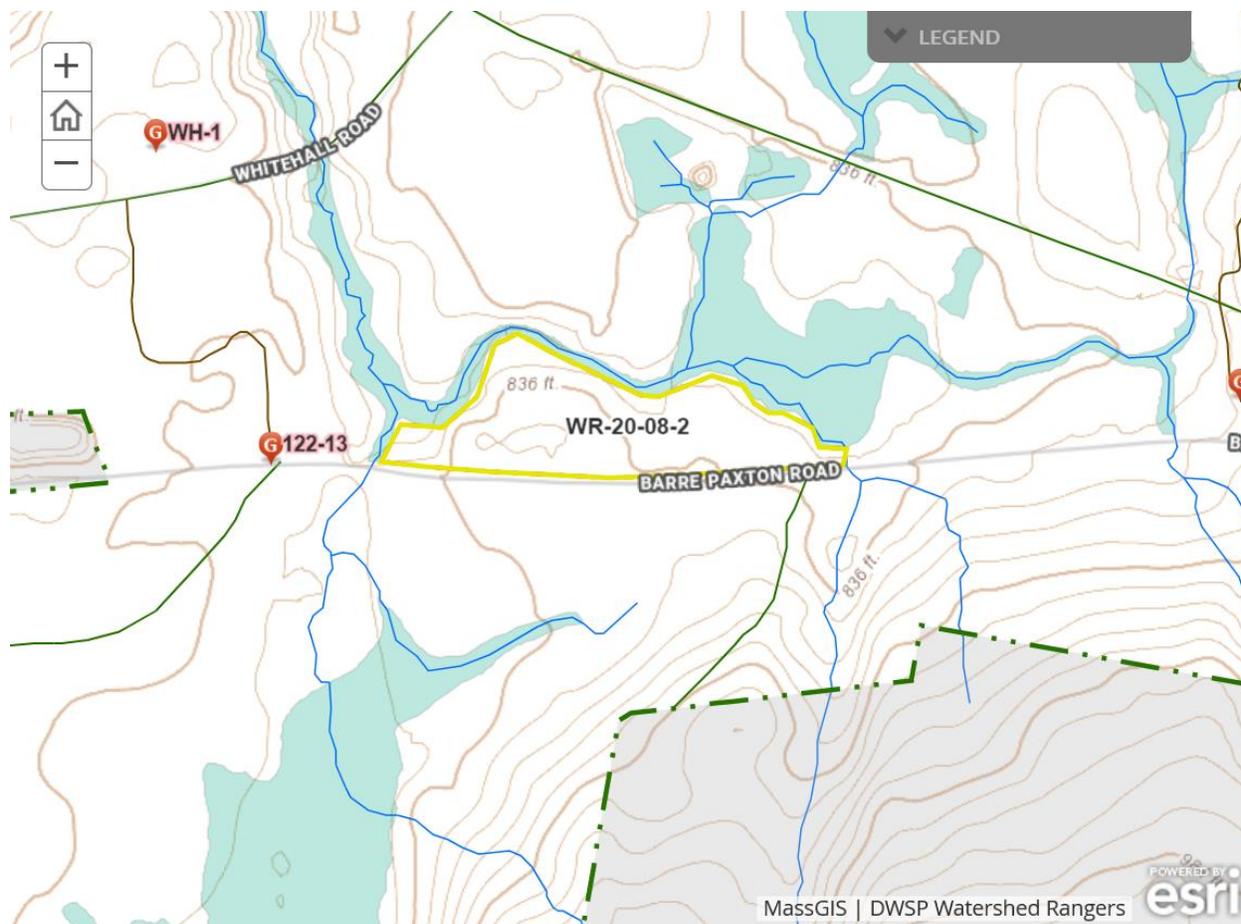
254B - Merrimac fine sandy loam, somewhat excessively drained.



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** ([Riparian Zone Mgt](#))
- Is logging in wetlands planned? - **No**

A variable filter strip will be applied to the stream/wetland to the north per DWSP policy.



Silviculture

Acres in Intermediate cuts: **4**

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

Acres in Regeneration cuts: **4.1**

Average regen opening size: **2**

Maximum regen opening size: **2.7**

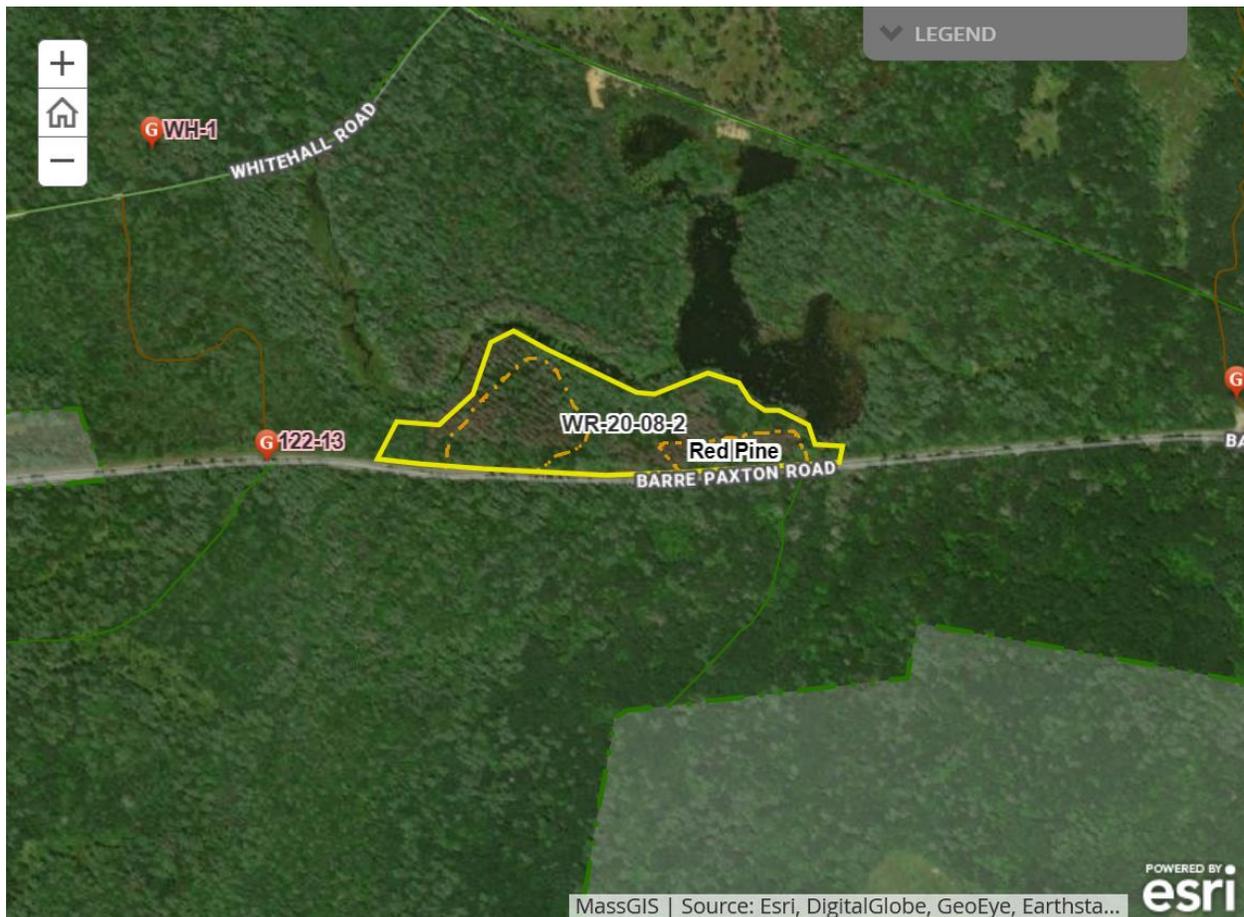
Description of advance regeneration in proposal area:

Good quality white pine, red maple, hemlock, red oak, and black birch seedling are present. Heavy beaver activity is reducing the amount of hardwood regeneration.

General comments on silviculture proposed:

The red pine stands will be removed. The goal will be to remove all the remaining overstory red pine, which will require permission to exceed the visual buffer threshold along Route 122, particularly in the smaller red pine stand which is located directly adjacent to Route 122. Power lines and vehicle traffic also may lead to some roadside stems being left.

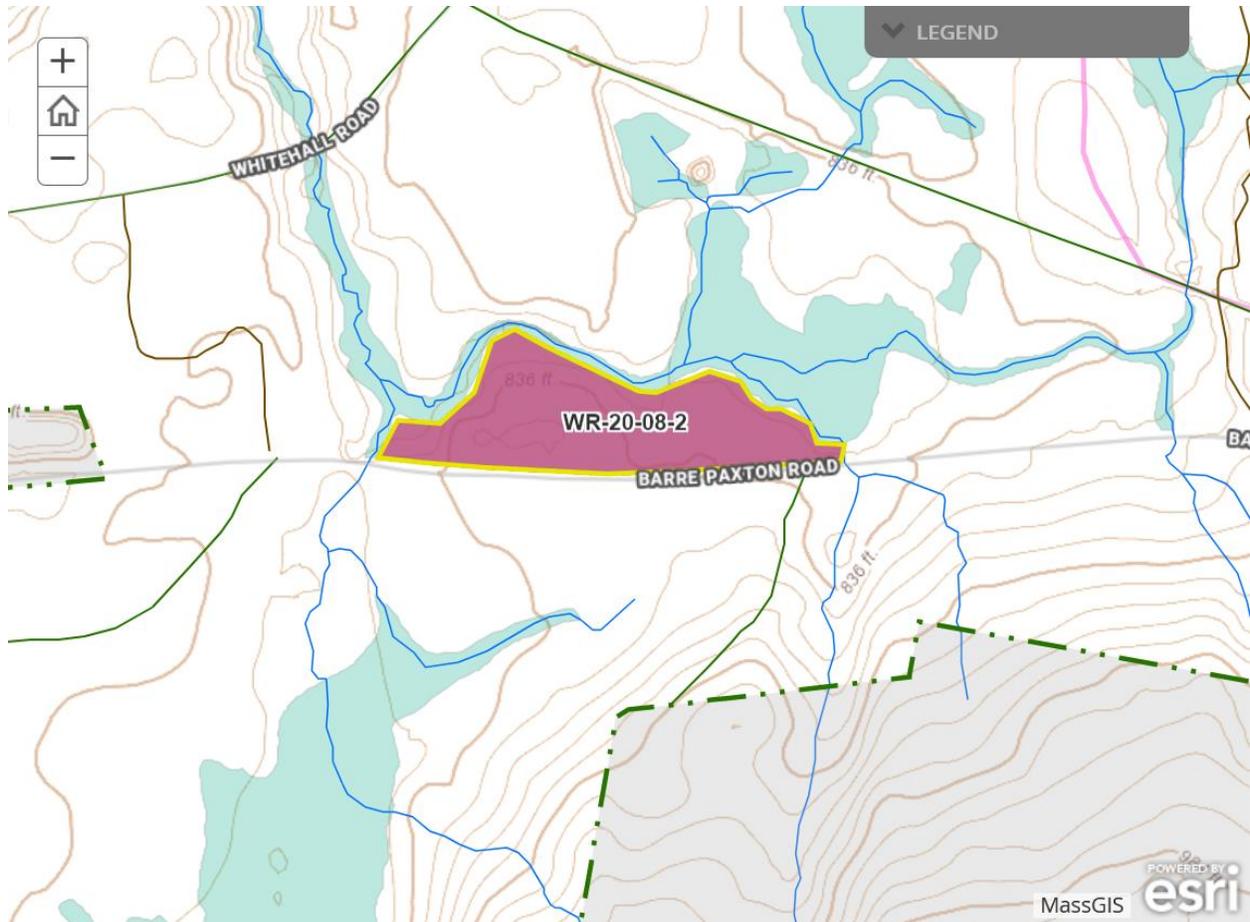
Within the white pine-hardwood stand, some thinning may be appropriate to release better formed and more vigorous white pine and hardwood stems. Much of this stand will be subject to filter strip restrictions.



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
8061 (Parker Brook)	2654	36	628	11

8061-Parker Brook- 35.9 acres regenerated on 69.9 acres worked. Lot 4391A, currently sold but not yet harvested, will add 10.6 regenerated acres. Proposal WR-20-4-1 contains an additional 7.4 acres in the subwatershed. Approved proposals WR-16-3-1 (5 acres) and WR-17-7-1 (45.5 acres) are also within the subwatershed and have not been marked yet.



Harvesting Limitations

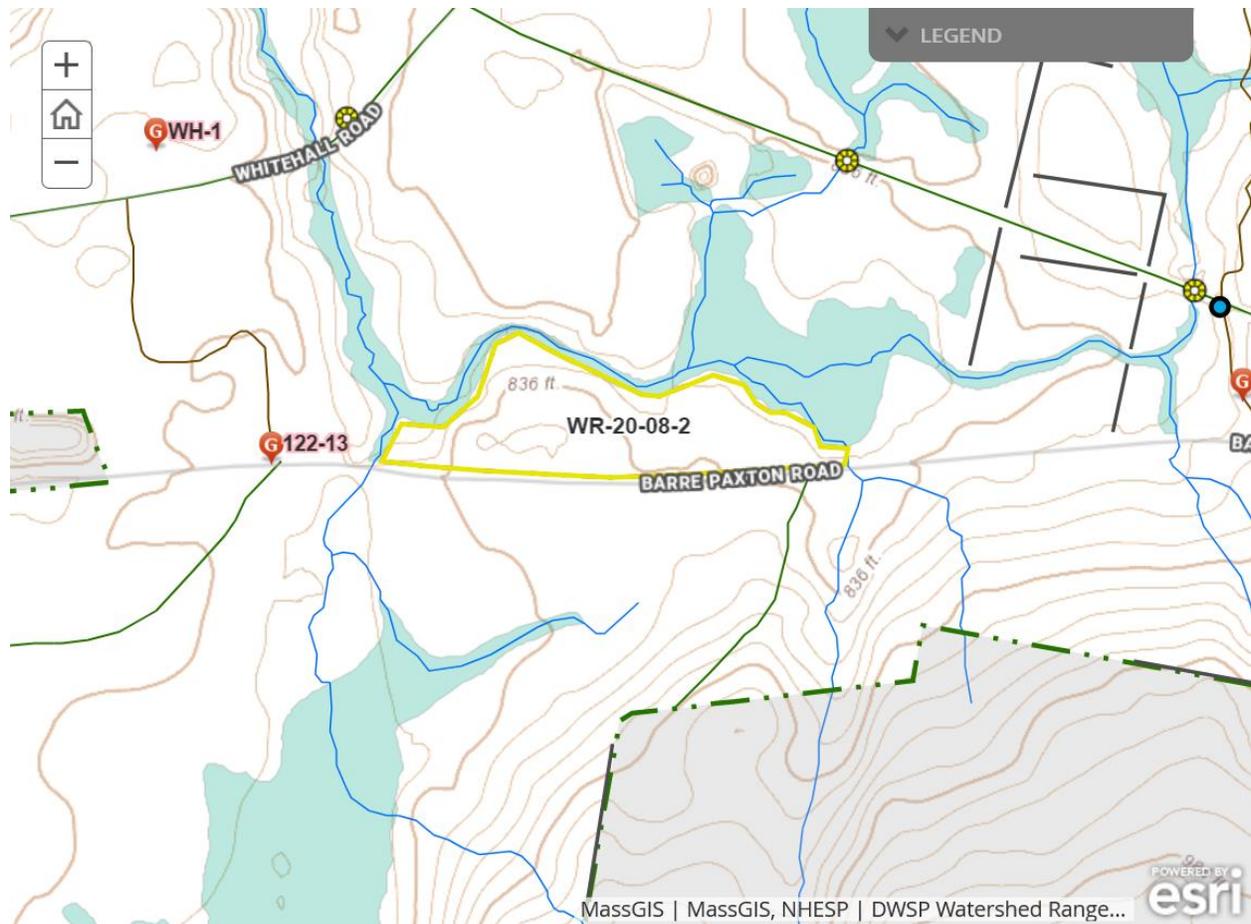
Forwarder required: **No**

Feller/processor required: **No**

Steep slopes present: **No**

Comments on harvesting limitations:

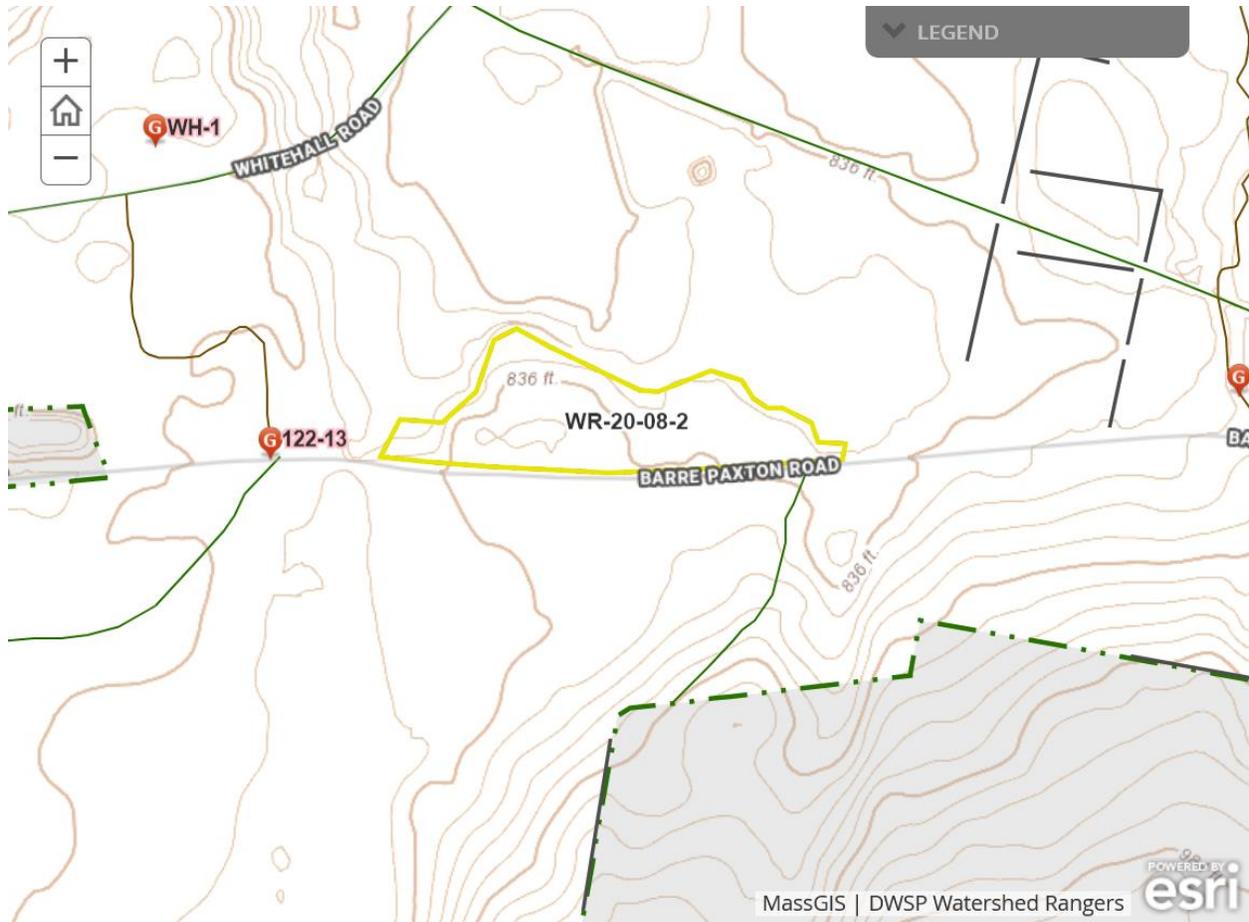
No limitations.



Cultural Resources

Comments on Cultural Resources:

No known cultural resources on the site. If applicable DWSP will follow any additional recommendations from DCR's Archeologist regarding protection of sensitive sites.



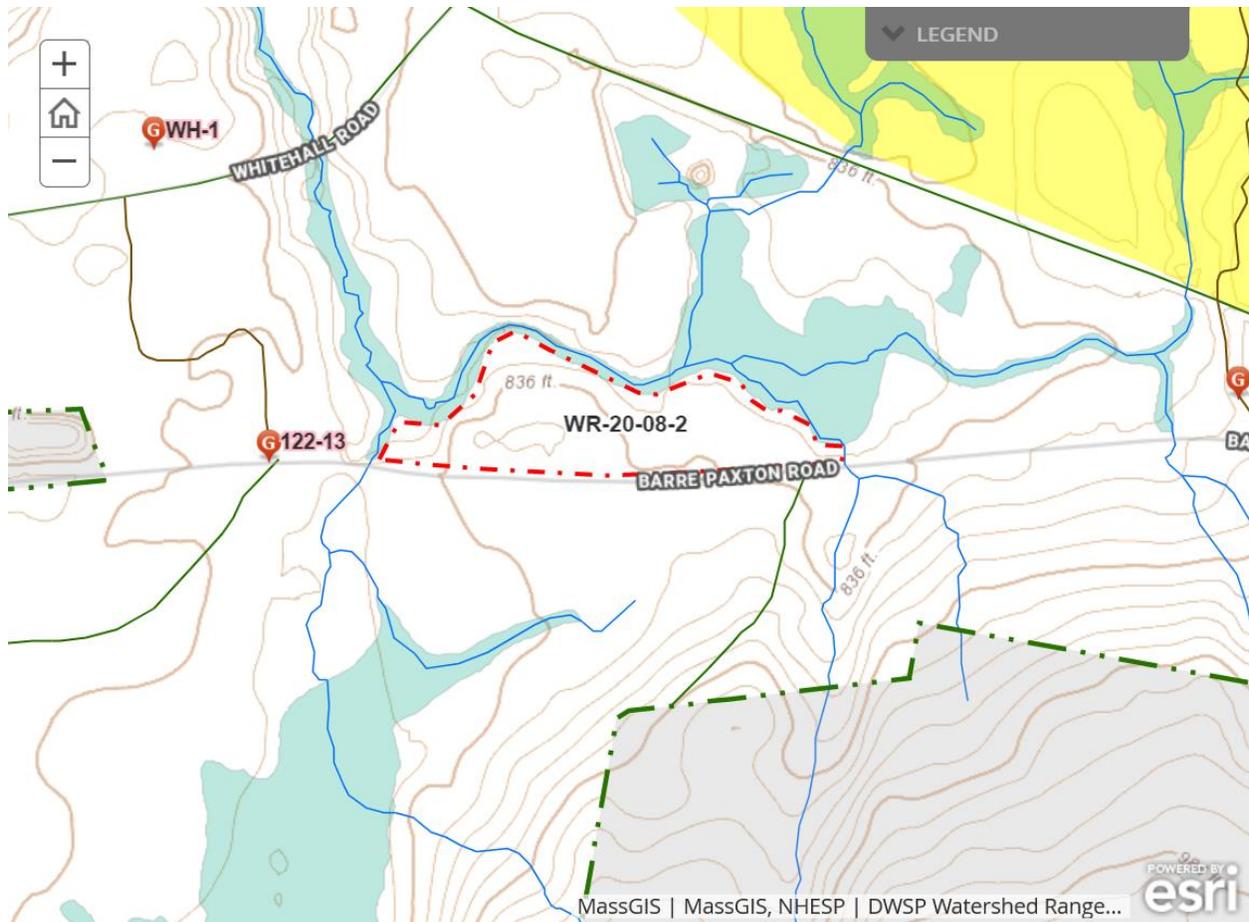
Wildlife Resources & Rare and Endangered Species

General Wildlife Comments:

Heavy beaver activity in past years, though no fresh sign within lot. No vernal pools.

Comments on Rare Species/Habitats:

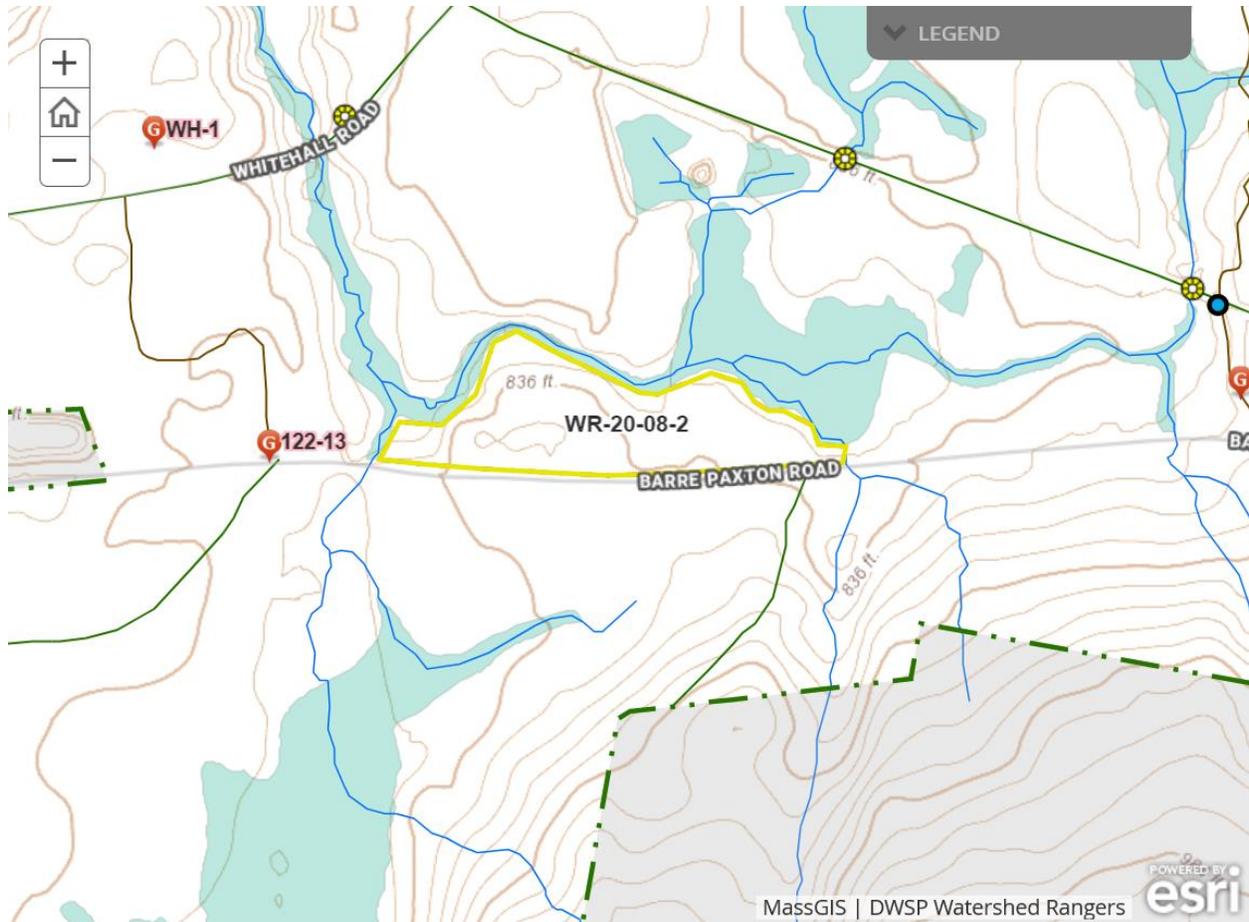
No rare species or priority habitats on site.



Environmental Quality Engineering

Comments on EQ Issues:

No issues or comments. No crossings.



Forest Access Engineering

Gravel needed: No

Landing work needed: No

Culverts needed: No

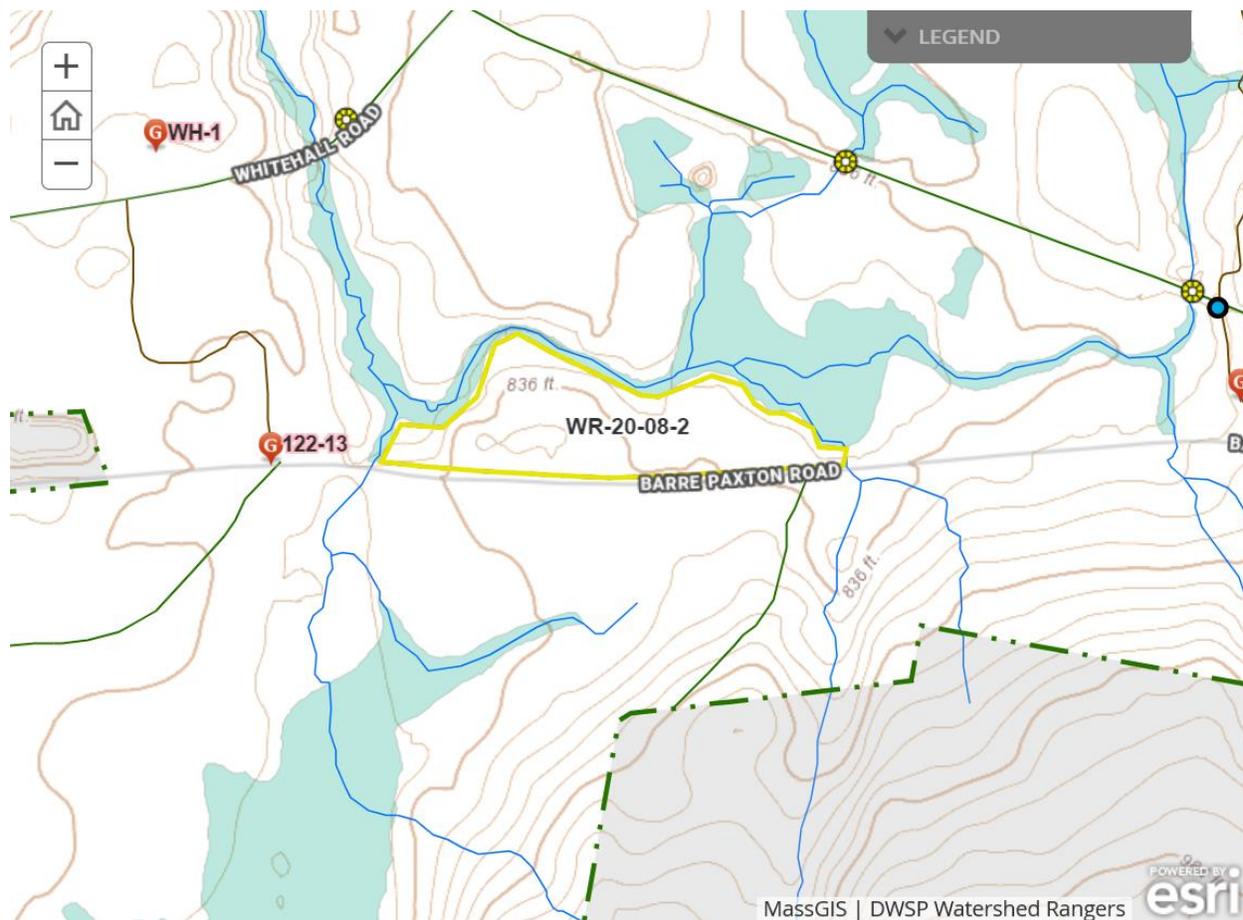
Work needed on permanent bridges: No

Beaver issue: No

Further comment on access needs:

The landing was last used for lot #175 in 1992. The access to the landing is shown as an old road on the taking sheets that crossed the stream/wetland to the north. There is a rotted log still in

place that was used to block the access after the last harvest. MassDOT has recently redone this stretch of 122 and paved the entrance apron to this access road/landing.



DWSP FY 2020 Forestry Proposals – Master Legend for story maps

<p>DWSP Gates</p>  <hr/> <p>Landings</p>  <hr/> <p>Crossings</p> <p>Xng</p>  Stream Crossing	<p>QWWS Watershed Boundaries</p>  <hr/> <p>Vernal Pools</p> <p>Status</p> <ul style="list-style-type: none"> ● Not a vernal pool ● Potential vernal pool ● DCR verified vernal pool <p>Streams - Quabbin</p> <p>FType</p> <ul style="list-style-type: none"> — Coastline/Shoreline — Stream/River - - - - - Swamp/Marsh - - - - - Submerged Stream — Artificial Path — Canal/Ditch - - - - - Pipeline — Dam/Weir — Connector — Unknown — Other <p>Water Bodies - Quabbin</p> <p>FType</p> <ul style="list-style-type: none"> Reservoir Lake/Pond Stream/River Swamp/Marsh <p>Streams - Ware River</p> <p>FType</p> <ul style="list-style-type: none"> Stream/River Canal/Ditch <p>Water Bodies - Ware River</p> <p>FType</p> <ul style="list-style-type: none"> Reservoir Lake/Pond Stream/River Swamp/Marsh Other <p>Streams - Wachusett</p> <p>EQ_Stream_Type</p> <ul style="list-style-type: none"> — Aqueduct - - - - - Ditch/Canal - · - · - Intermittent Stream — Perennial Stream <p>Waterbodies - Wachusett</p> <p>EQ_Wetland_Type</p> <ul style="list-style-type: none"> Reservoir Lake, Pond, Wide River, Impoundment Wetland, Marsh, Swamp, Bog <p>NHESP Priority Habitats</p> 	<p>Forest Cover Type - Filled</p> <p>Cover Type Code</p> <ul style="list-style-type: none"> Road Water Beaver Pond Shrub Swamp Powerline Grass and Forbs Upland Brush Hemlock Hemlock-Hardwoods Red Pine Norway Spruce White Pine White Pine-Hardwoods White Pine-Oak Mixed-Oak Northern Red Oak Oak Hardwoods Mixed Hardwood Northern Hardwood Red Maple <p>Forest Cover Type - Outline</p> 	<p>SubWatersheds (QWR-filled)</p> <p>SUBW_S_NAM</p> <ul style="list-style-type: none"> Middle Stillwater/Rocky/Wilder Brook Quinapoxet River Wachusett Brook Atherton Brook Cobb Brook Dickey Brook East Prescott Middle Gates Brook Juckett Hill East Malden Brook Parker Prescott Brook Reservoir Shoreline East Shutesbury Shore South South Stillwater Underhill Brook Williamsville <p>Subwatersheds (WA-outline)</p> 	<p>Forestry Proposal Boundaries</p>  <hr/> <p>Towns</p>  <hr/> <p>Water Supply Property Boundary</p>  <hr/> <p>Proposed Skid Trails</p> <p>— — — — —</p> <p>Stone Walls - WA</p> <p>— — — — —</p> <p>StoneWalls - QWR</p> <p>— — — — —</p> <p>Stony Soils</p> <p>STONE</p> <ul style="list-style-type: none"> extremely stony very stony <hr/> <p>Soils - Drainage</p> <p>Drainage Class</p> <ul style="list-style-type: none"> Excessively Drained Well Drained Thick Well Drained Thin Moderately Well Drained Poorly To Very Poorly Drained 	<p>Subwatersheds (QWR-outline)</p> 	<p>Subwatersheds</p> 	<p>Quabbin and Ware River Cultural Resources Inventory (Public view)</p> <p>Type</p> <ul style="list-style-type: none"> ○ No Value/Blank ● Agrarian ● Cellar Hole ● Civic ● Commercial ● Industrial ● Military ● Other ● Residential ● Shed ● Unknown <p>QWWS Percent Slope</p> <ul style="list-style-type: none"> 0 - 7 > 7
<p>DCR/DWSP Trail/Road Data (Public View)</p> <p>Type</p> <ul style="list-style-type: none"> Public Road Administrative Road Forest Road/Trail Trail Other 							
<p>DCR-DWSP Trails and Roads</p> <p>Type</p> <ul style="list-style-type: none"> Administrative Road Forest Road/Trail Other Public Road Trail 							
<p>Wachusett/Sudbury Road Infrastructure</p> <p>Infrastructure_Type</p> <ul style="list-style-type: none"> Bridge Broad Based Dip Checkdam Culvert Ditch Ford Waterbar Other 							
<p>Wachusett Internal Roads</p> <p>Priority:</p> <ul style="list-style-type: none"> Access Road, unmaintained Access Road 							