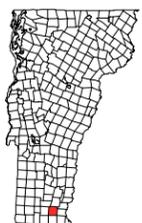


# Map 1: Natural Resources & Habitat Features

## Town of Marlboro, Vt.

September 2021



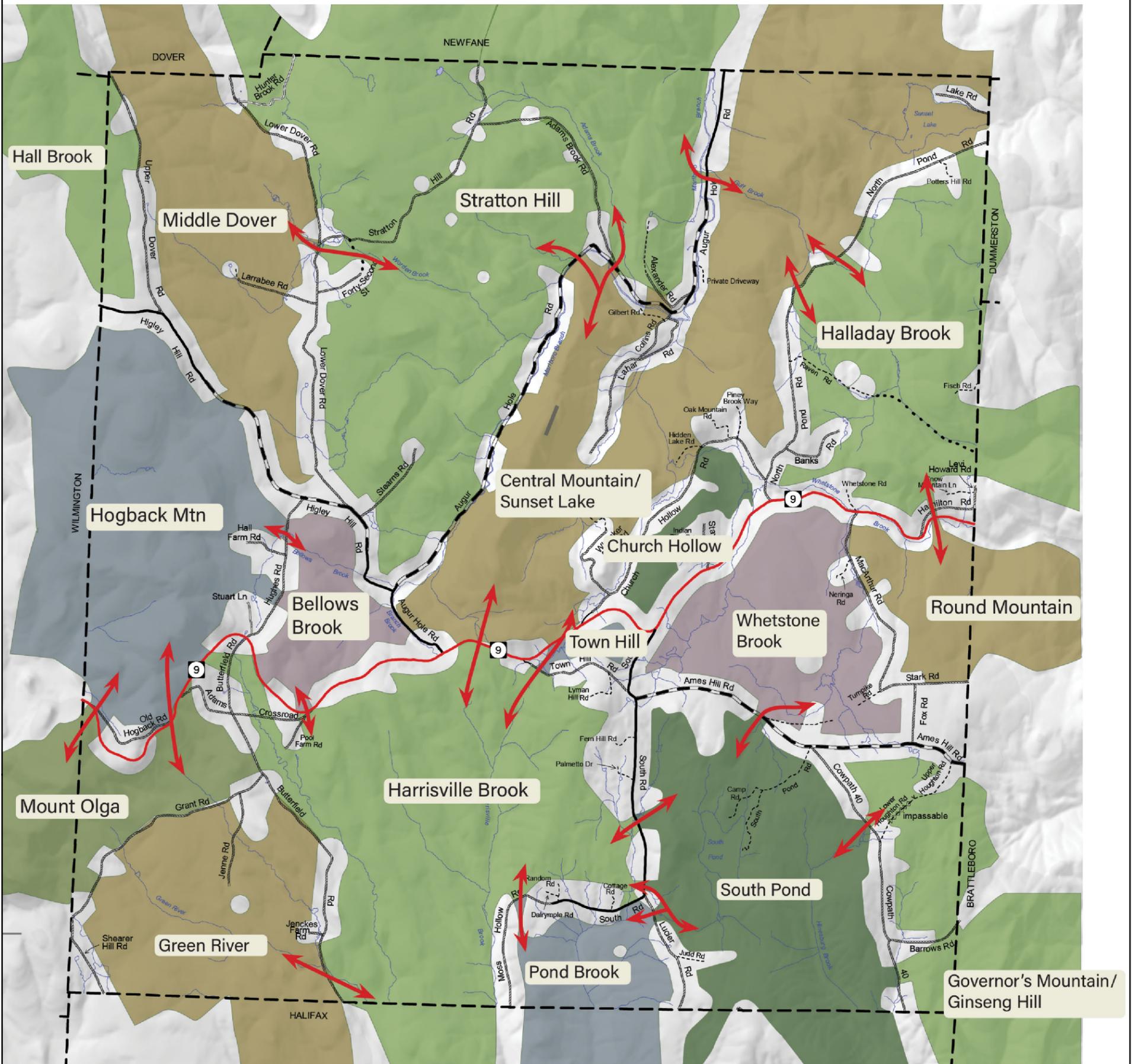
0.5 0 0.5 1 1.5 2 Miles

1:48,000

-  Mast stand
-  Public road segment within town-identified wildland linkage
-  Rare, or uncommon animal
-  Endangered, threatened, rare, or uncommon plant
-  Deer wintering area
-  Public or conserved parcel
-  Wetland

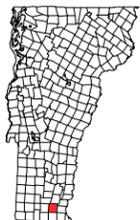
### Sources:

- Mast stands were identified by Patti Smith, naturalist, Bonnyvale Environmental Education Center in 2020.
- Wildland linkages were identified by the Marlboro Planning Commission based on wildlife road crossin snow tracking surveys. This work was completed in the summer of 2019.
- Public and conserved lands data were obtained from WRC mapping, the Town of Marlboro, the Vermont Land Trust, and the Vermont Conservation Lands Database developed by UVM Spatial Analysis Laboratory. Data have been edited to match the town's parcel data, and are current to 2020.
- Natural Heritage data are from VT Dept. of Fish and Wildlife, Nongame and Natural Heritage Program's Natural Heritage Inventory Database. This includes data on Rare, Threatened and Endangered Species and Significant Natural Communities database (GIS layer RTENATCOM), and on uncommon species and other features (GIS layer UNCOMSPOF), 2020.
- Deer wintering areas are from the VGIS data layer DEERWN. Source information is from the Vt. Fish and Wildlife Dept. (VFWD), and dates back to the 1970's. Original data includes lines drawn on state highway maps, topographic maps, overlays to 1977 infrared photos, written material, and verbal information from VFWD biologists. The data have been updated in selected areas only in 2006, 2008, and 2010.
- The wetlands shown are those included in the Vermont Significant Wetlands Inventory (VGIS data layer VSWI). For the most part, these data were derived from US Fish and Wildlife Service's 1:24000/1:25000 scale National Wetlands Inventory (NWI) maps. These maps show approximate locations of wetlands that are generally 3 acres or larger in size.



Map drawn by naturalist Patti Smith.  
Text labels indicate names of core habitat blocks.

## Map 2: Forest Blocks & Wildlife Linkages Town of Marlboro, Vt. September 2021



0.5 0 0.5 1 1.5 2 Miles

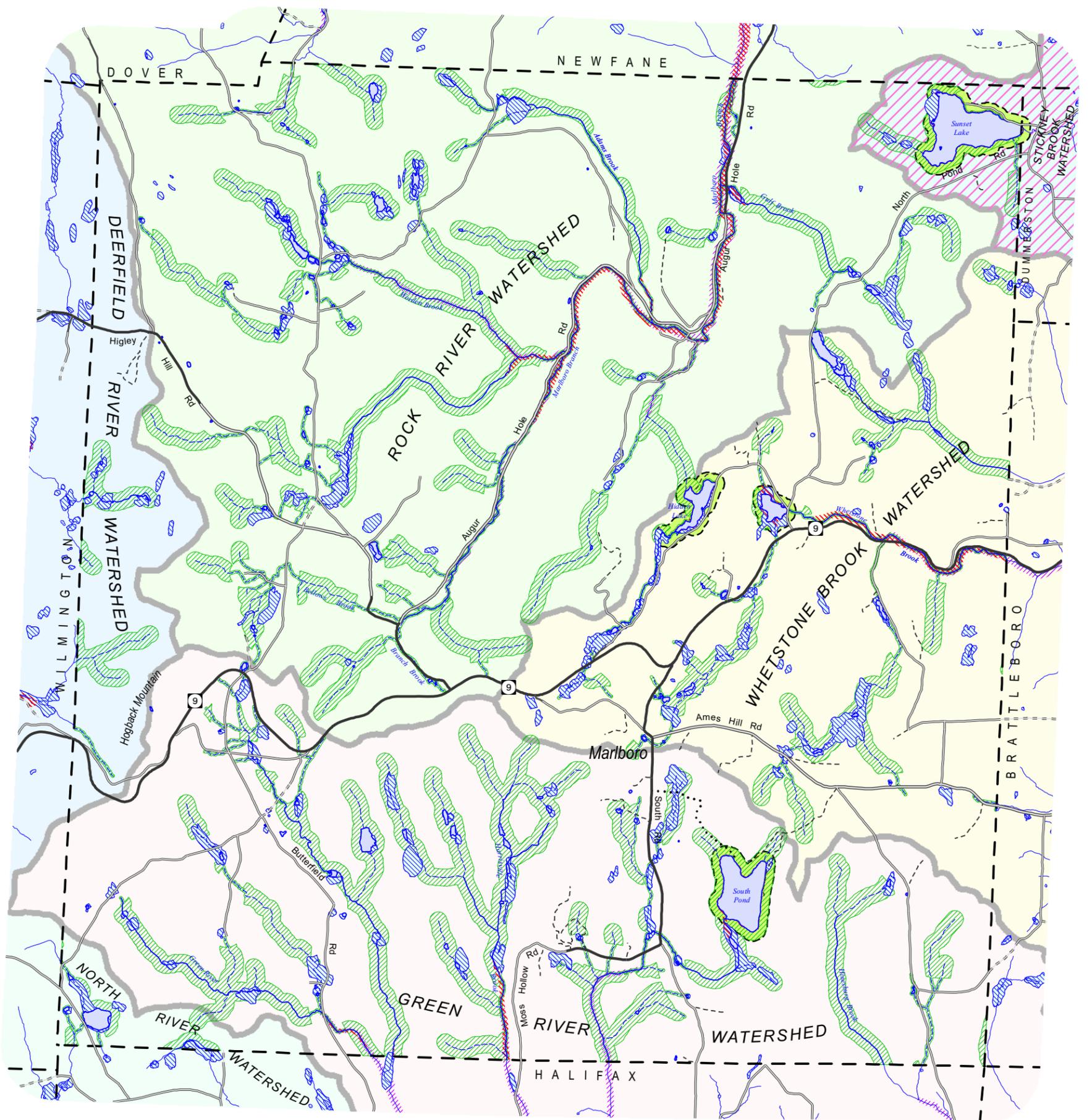
1:48,000

This map is a generalized representation of the large areas of forest habitat and undeveloped road segments where wildlife move between them. The core areas are 500 feet from roads, with additional buffering for houses set farther back from roads or within the forest blocks. Roads that serve just one or two houses and are not used by through-traffic are not buffered. In places where there is a minimum of 600 feet between houses on both sides of the road and where the Conservation Commission has confirmed wildlife crossing, the habitat blocks meet at the road.

Because ridge lines and the riparian areas along streams are frequently used as travel routes by wide-ranging mammals, arrows show some of the most likely routes used to cross roads by wide-ranging mammals. Animal tracking data from the Marlboro Conservation Commission confirm that wildlife cross in these areas. Some of these crossing zones are quite narrow.

Data sources:

- Core habitat blocks and linkages delineated by naturalist Patti Smith based on local knowledge and tracking data from the Marlboro Conservation Commission.



# Map 3: Water Resources & Water Protection Areas

## Town of Marlboro, Vt.

September 2021



0.5 0 0.5 1 1.5 2 Miles

1:48,000

-  Intermittent stream
-  Perennial stream
-  Pond or lake
-  Surface water source protection area
-  Wetland
-  River corridor\*
-  Special Flood Hazard Area
-  Shoreland area (300-foot buffer from major water bodies)
-  Surface water buffer:
  - 50 ft from water if within 500 ft of a travelled road
  - 300 ft from water if beyond 500 ft of a travelled road (a travelled road is considered a state highway or a Class 2 or 3 town highway)

\* - Official source of River Corridor data is [tinyurl.com/floodreadyatlas](http://tinyurl.com/floodreadyatlas). Where river corridors are not mapped (i.e., a stream with a drainage area of between 0.5 and 2 square miles), the corridor is measured 50 feet horizontally from the top of the stream bank.

### Sources:

- Surface waters are from the Vermont Hydrography Dataset (VGIS data layer SWnnnnnnn). The designation of intermittent versus perennial streams was taken from USGS topographic maps.

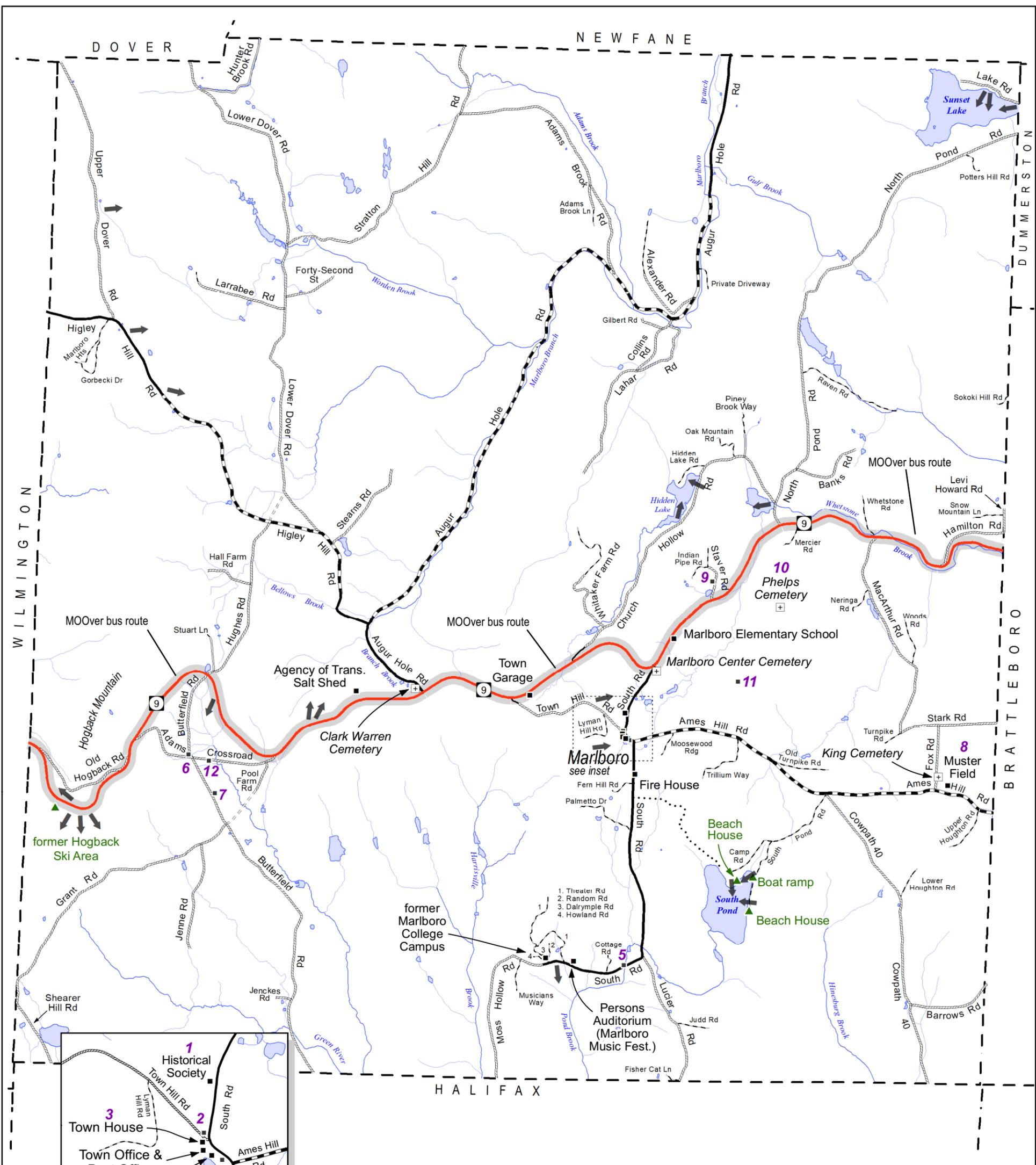
- The wetlands shown are those included in the Vermont Significant Wetlands Inventory (VGIS data layer VSWI). It shows approximate locations of wetlands that are generally 3 acres or larger in size.

- The delineated portion of the Sunset Lake Watershed contributes to Brattleboro's public community water system. It is classified as a Surface Water Source Protection Area by the Vermont Agency of Natural Resources. Boundary data are from VT ANR Water Supply Division digital data.

- Flood Hazard Area boundaries (i.e. "100-year floodplain) are from FEMA (Federal Emergency Management Agency) D-FIRM (Digital Flood Insurance Rate Map) data effective July 27, 2007.

- Statewide River Corridors are from VT ANR Rivers Program 2015 data (VGIS data layer RIVERCORRIDORS).

- Shorelands are those areas within 300 feet of a major water body, as defined by the Town of Marlboro.



**Map 4: Cultural Resources, Community Facilities, & Transportation**  
**Town of Marlboro, Vt.**  
 September 2021



0.5 0 0.5 1 1.5 Miles

1:40,000

- Scenic area
- Town-designated historic site
- Community or educational facility
- Recreation site
- Cemetery
- State highway
- Class 2 town highway - paved
- Class 2 town highway - unpaved
- Class 3 town highway - paved
- Class 3 town highway - unpaved
- Class 4 town highway, passable
- Class 4 town highway, impassable
- Private road/drive
- "MOver" bus route (Deerfield Valley Transit Assoc.)
- Stream
- Pond or lake

**Town-designated historic site key:**

1. Ephraim Holland Newton House
2. Mather House
3. Town House
4. Whetstone Inn
5. Captain Dan Mather House
6. Ella Adams House
7. Rice House
8. Muster Field
9. Colonel Williams Barn
10. Phelps Cemetery
11. The first cemetery in Marlboro
12. Old Hogback Cemetery
13. Marlboro Meeting House

**Sources:**

- Highway information is from Vt. Agency of Transportation sources (VGIS data layer RDSnnnnn). Minor updates were made by WRC GIS staff in November 2020.

- Community & educational facilities and recreation sites were identified by the Marlboro Planning Commission in 1994, updated 2021. Locations were determined by WRC using 1:5000 base GIS data.

- Historic sites and scenic areas were identified by the Marlboro Planning Commission in 1994, and updated in 2008. Locations were determined by WRC using 1:5000 base GIS data.



# Map 5: Solar Energy Potential Town of Marlboro, Vt.

**Prime Solar Energy Resource**  
generally adequate solar resources and no identified constraints  
(i.e., no "known" and no "possible" constraints)

**Secondary Solar Energy Resource**  
generally adequate solar resources and no "known" constraints,  
but at least one "possible" constraint

"known" and "possible" constraints are identified  
by the Vt. Public Service Department in their  
Act 174 Energy Planning Standards

### Existing solar installations:

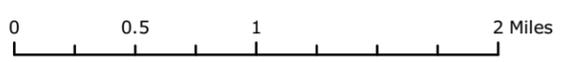
- 1 - 19 kW (generally smaller-scale on-site: residence, farm, school, or business)
- 20 - 70 kW (generally larger-scale commercial/utility solar farms)
- 140 - 150 kW (generally larger-scale commercial/utility solar farms)
- 360 - 2000 kW (generally larger-scale commercial/utility solar farms)

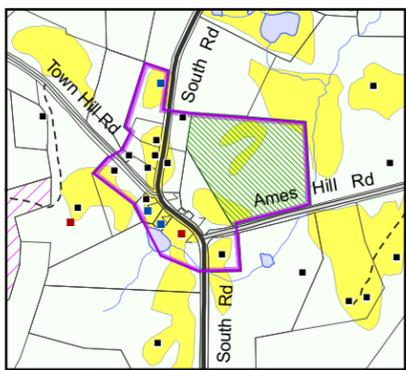
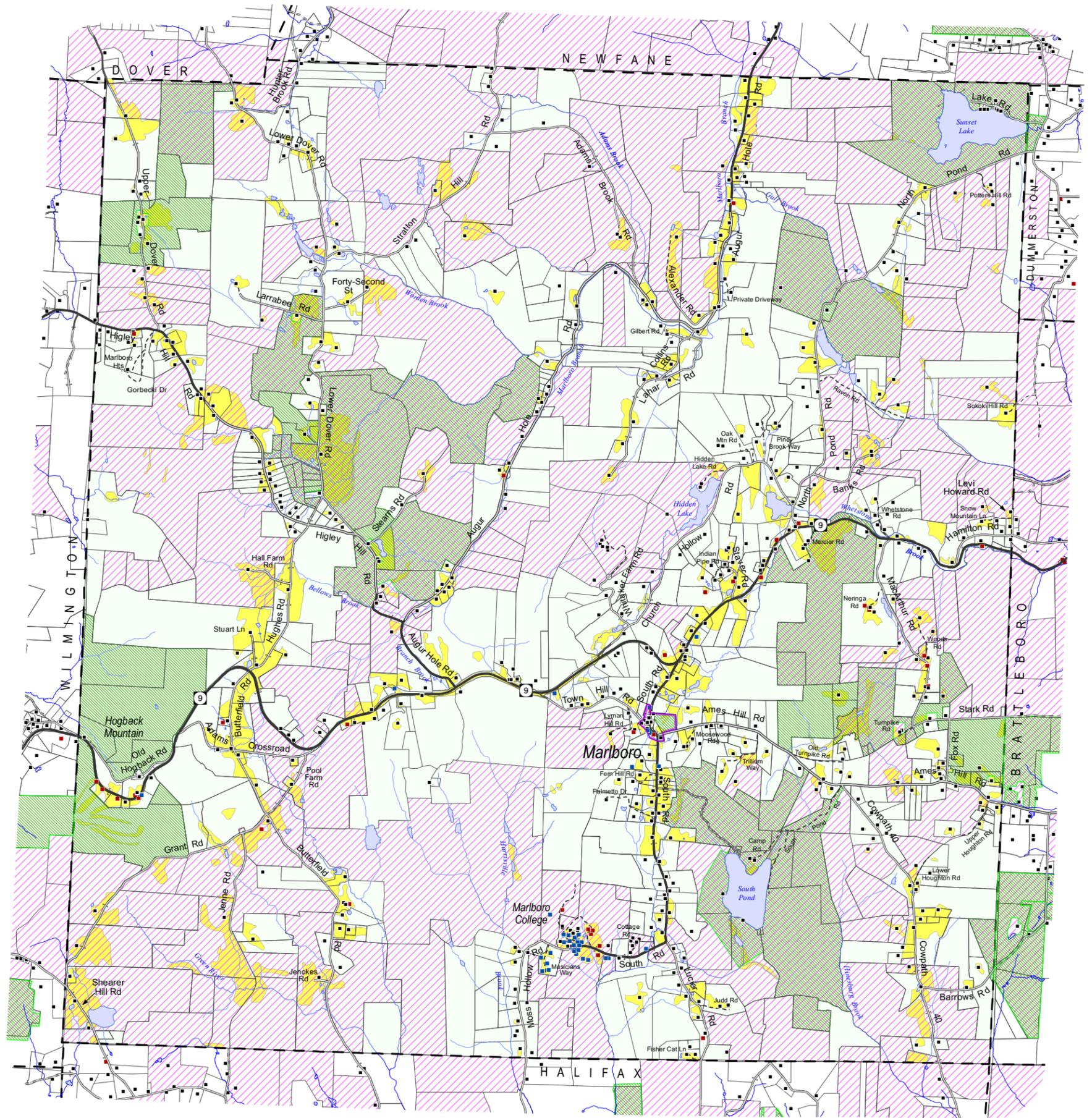
Existing solar installations from the Vermont Energy Atlas, developed from Certificates of Public Good; they may correspond to the address of the certificate holder and not the actual location of the installation.

- X Gravel pits, active and inactive
- ⚡ Substations
- 3 Phase Power Lines
- Transmission Lines

**Note: prime vs. secondary solar energy resource is NOT based on solar intensity.**

**data as of June 2017**





Marlboro Designated Village Center

# Map 6: Existing Land Use Town of Marlboro, Vt.

September 2021



- Commercial structure
- Public/Institutional Structure
- Residential Structure
- Forested Land
- Open Land
- Public or Conserved Parcel
- Parcel enrolled in Use Value Appraisal (2019)
- Conserved parcel in Use Value Appraisal
- Village Center designation
- Parcel line
- ~ Stream
- Pond or lake

Sources:

- Structure locations were captured using Global Positioning System technology by microDATA, St. Johnsbury, VT for Vermont's Enhanced 9-1-1 program. Locations have been edited by Cartographic Technologies, Inc. and WRC in 2006 using digital orthophotos.

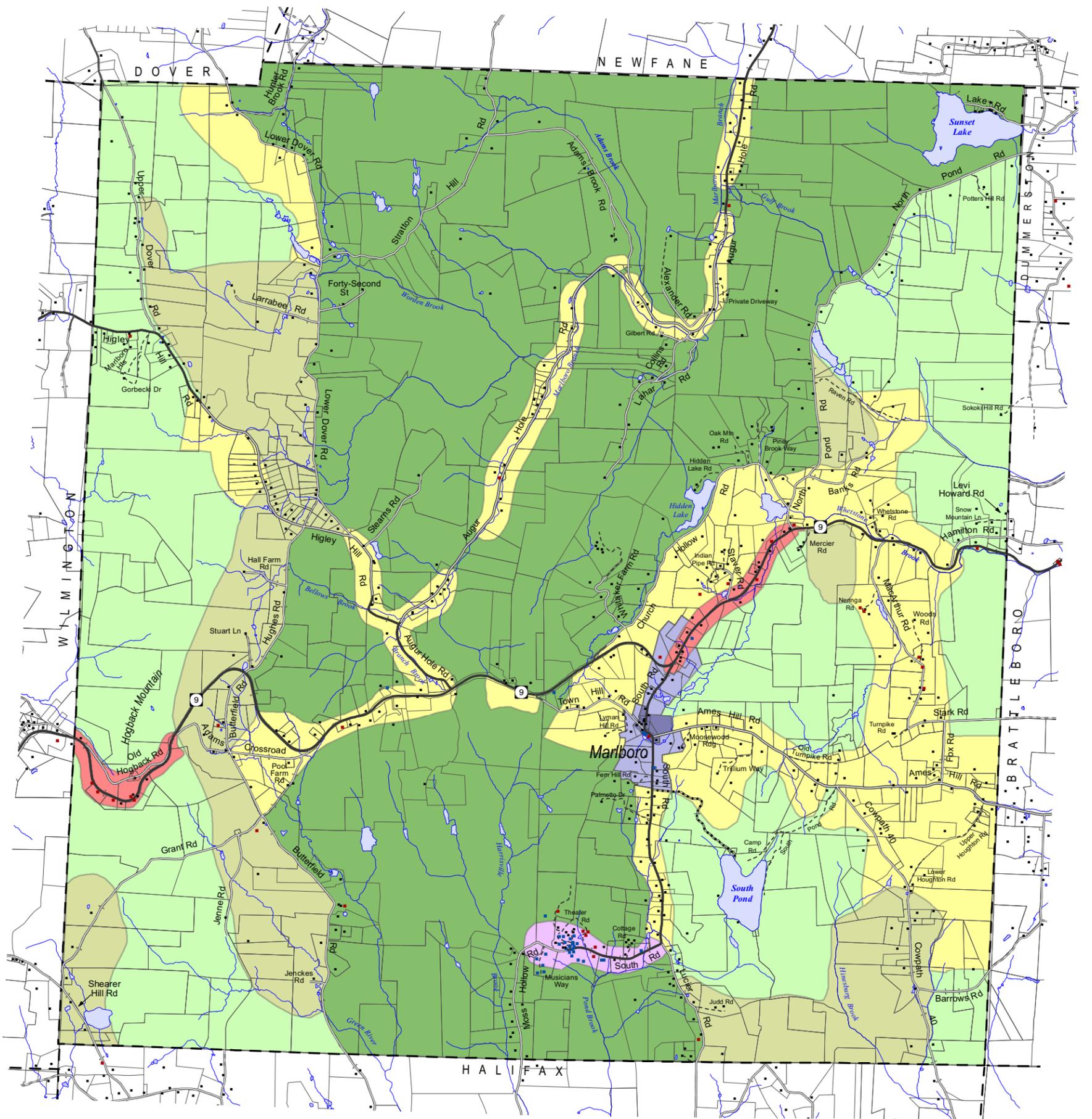
- Forested and open lands were digitized from 2000 1:5000 Vermont orthophotos and 2003 National Aerial Imagery Program (NAIP) photos by WRC GIS staff, updated in 2021 using 2016 NAIP photos.

- Parcel lines are from GIS data developed by Cartographic Technologies, Inc. (CTI), Brattleboro, Vt., and are current to 2020.

- Public and conserved lands data were obtained from WRC mapping, the Town of Marlboro, the Vermont Land Trust, and the Vermont Conservation Lands Database developed by UVM Spatial Analysis Laboratory, updated to 2020.



1:48,000



**Map 7: Future Land Use**  
**Town of Marlboro, Vt.**  
 September 2021



- Highest conservation priority
- Conservation priority
- Agricultural/Forest production
- Rural residential
- Cultural and educational
- Commercial
- Village
- Village center

Sources:

- Future land use districts were developed by the Marlboro Planning Commission.

0.5 0 0.5 1 1.5 2 Miles

1:48,000