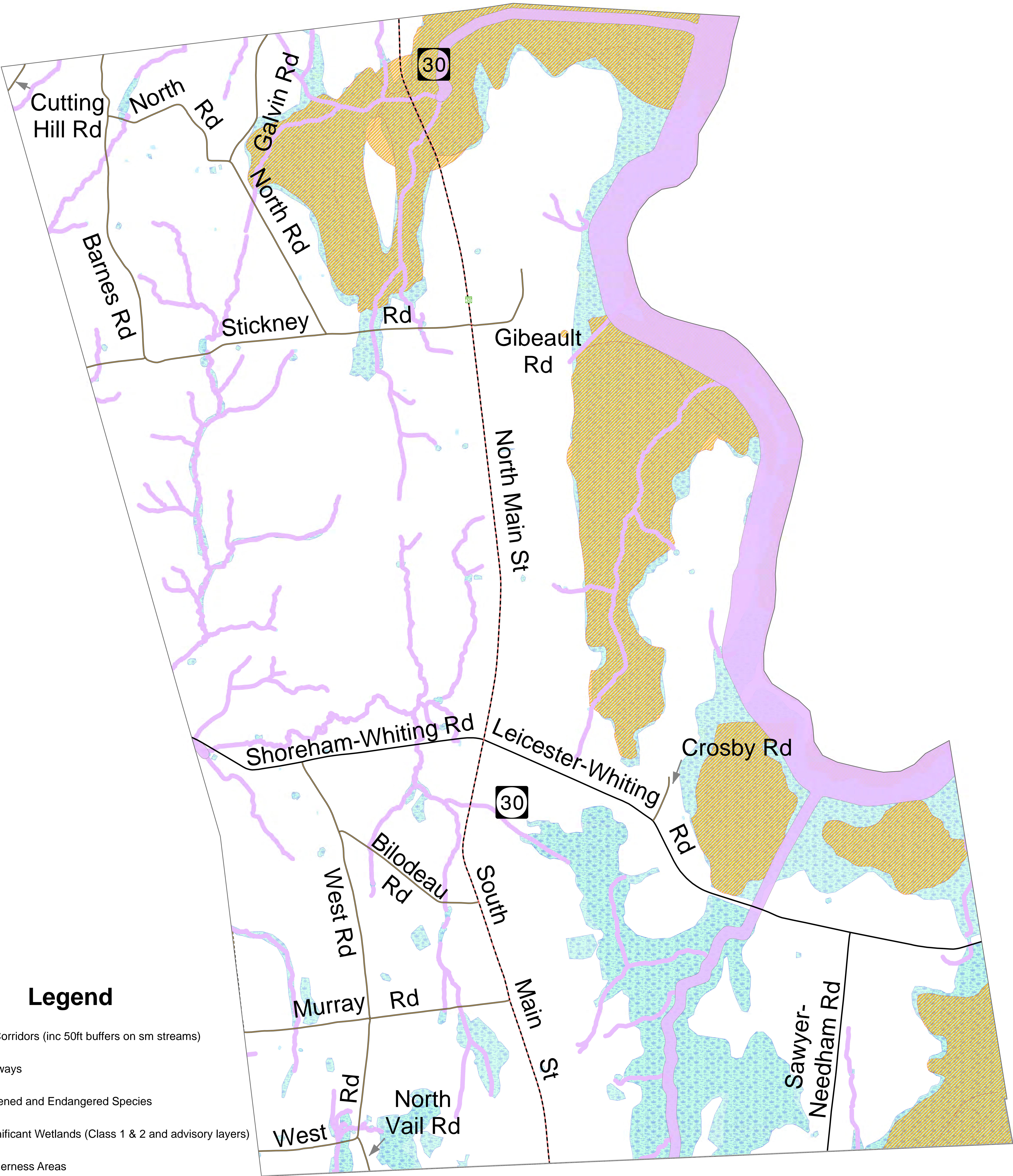


# Renewable Energy Planning: Known Constraints

## - Whiting



### Legend

- State River Corridors (inc 50ft buffers on sm streams)
- FEMA Floodways
- Rare, Threatened and Endangered Species
- Vermont Significant Wetlands (Class 1 & 2 and advisory layers)
- National Wilderness Areas

Known Constraints (State Energy Planning Guidelines)

- DEC River Corridors (inc stream 50ft buffer)
- FEMA Floodways
- State Significant natural Communities and Rare, Threatened and Endangered Species
- National Wilderness Areas
- Class 1 and Class 2 Wetlands (VSWI and advisory layers)
- Regionally or Locally Identified Critical Resources (none currently)
- Vernal Pools: Confirmed and Unconfirmed (none currently)

0 0.3 0.6 1.2 Miles



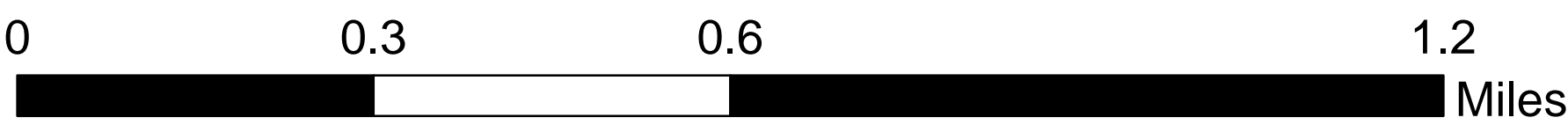
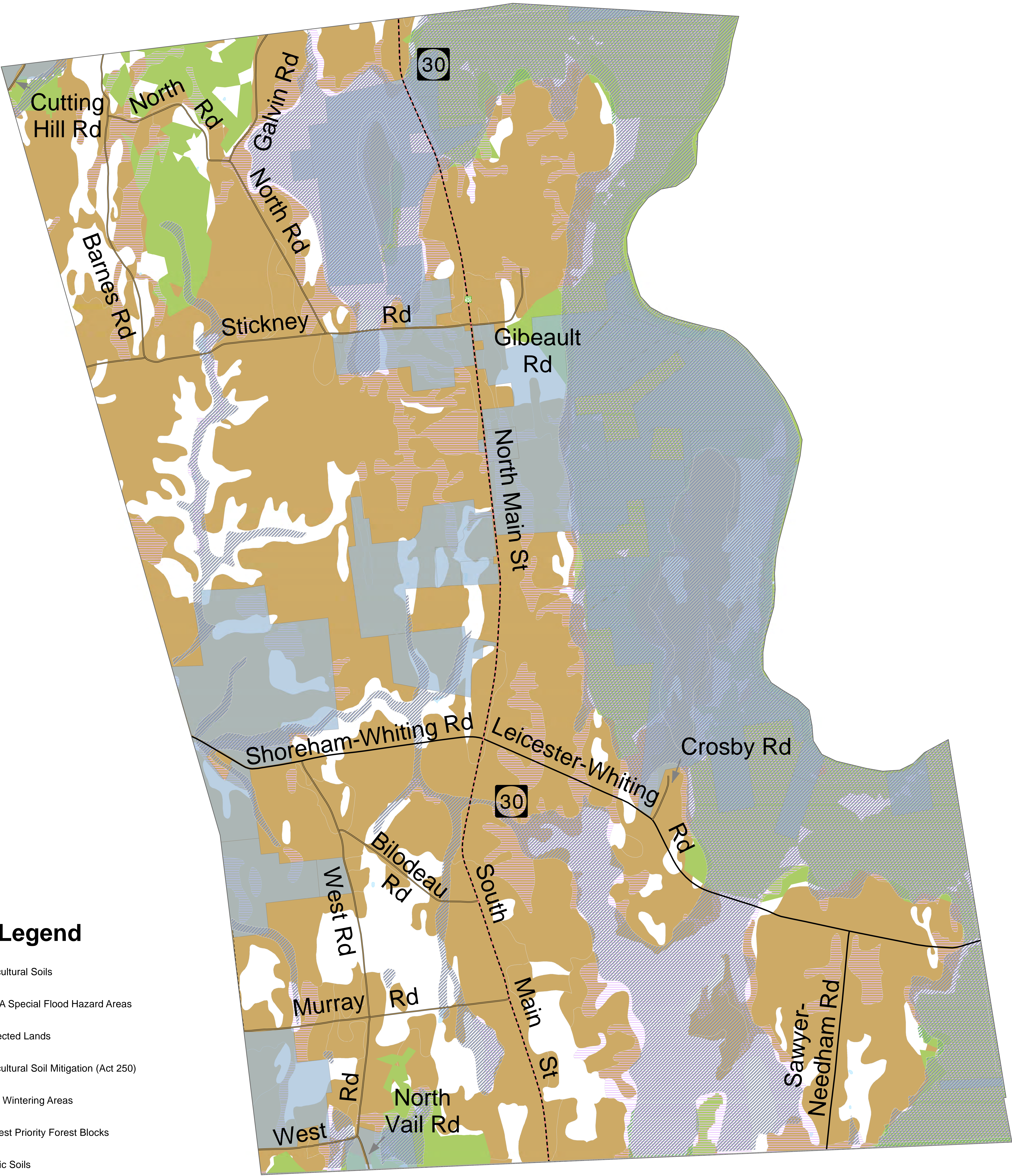
Addison County  
REGIONAL PLANNING COMMISSION

This map was created as part of a Regional Energy Planning Initiative with funding from the Vermont Public Service Department.



# Renewable Energy Planning: Possible Constraints

## - Whiting



Possible Constraints (State Energy Planning Guidelines)

Agricultural Soils (Prime, Statewide and Local USDA)  
FEMA Special Flood Hazard Areas  
Protected Lands (State fee lands and prvt cons lands)  
Act 250 Agricultural Soil Mitigation areas  
Deer Wintering Arreas  
ANR's Vermont Conservation Design Highest Priority Forest Blocks  
Hydric Soils  
Regionally or Locally Identified Critical Resources (none currently)  
Vernal Pools: Confirmed and Unconfirmed (none currently)

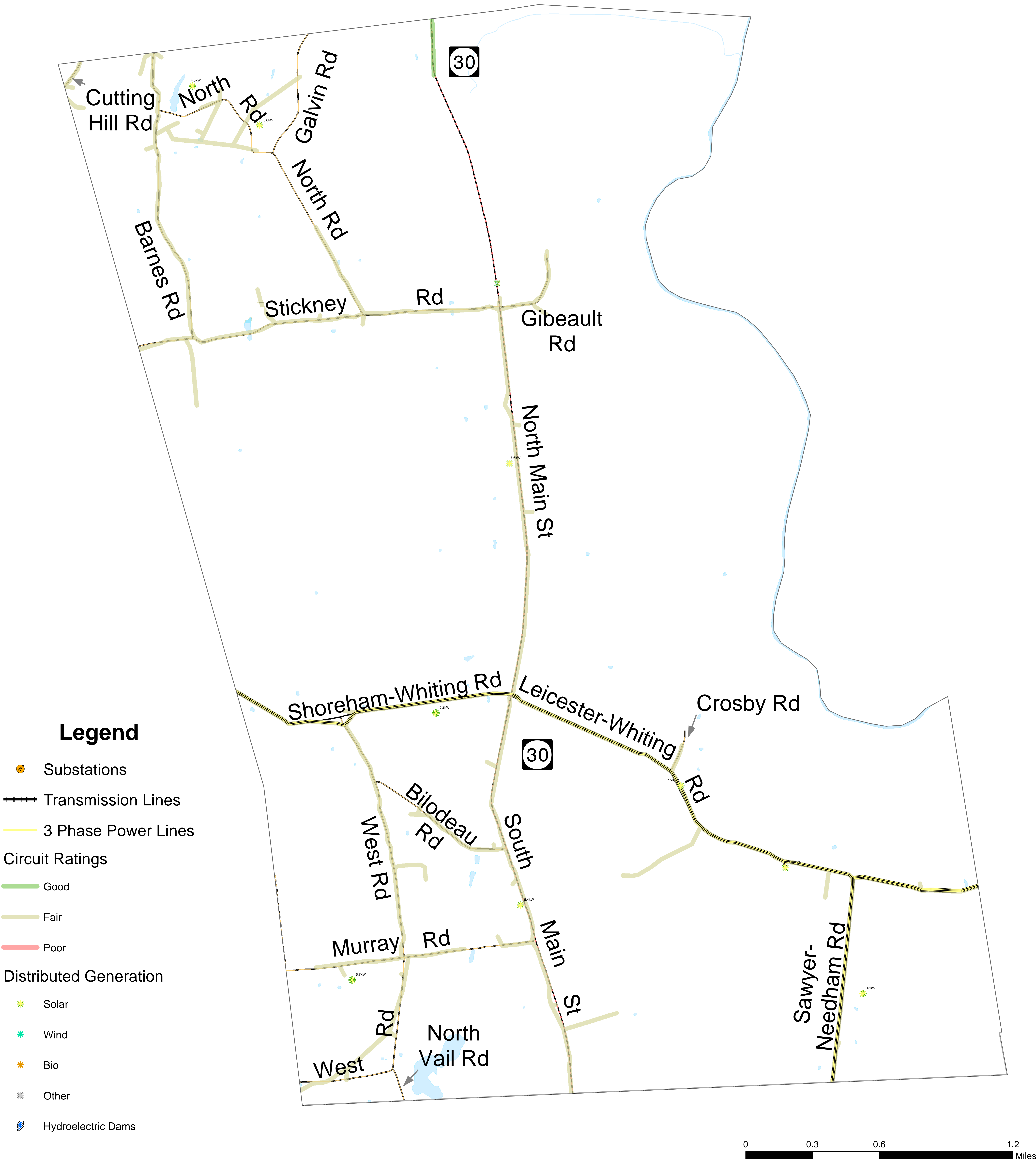


**Addison County**  
**REGIONAL PLANNING COMMISSION**

This map was created as part of a Regional Energy Planning Initiative with funding from the Vermont Public Service Department.



# Renewable Energy Potential: Transmission and Distribution Resources and Constraints - Whiting



Transmission and Distribution under the State Energy Planning Guidelines.

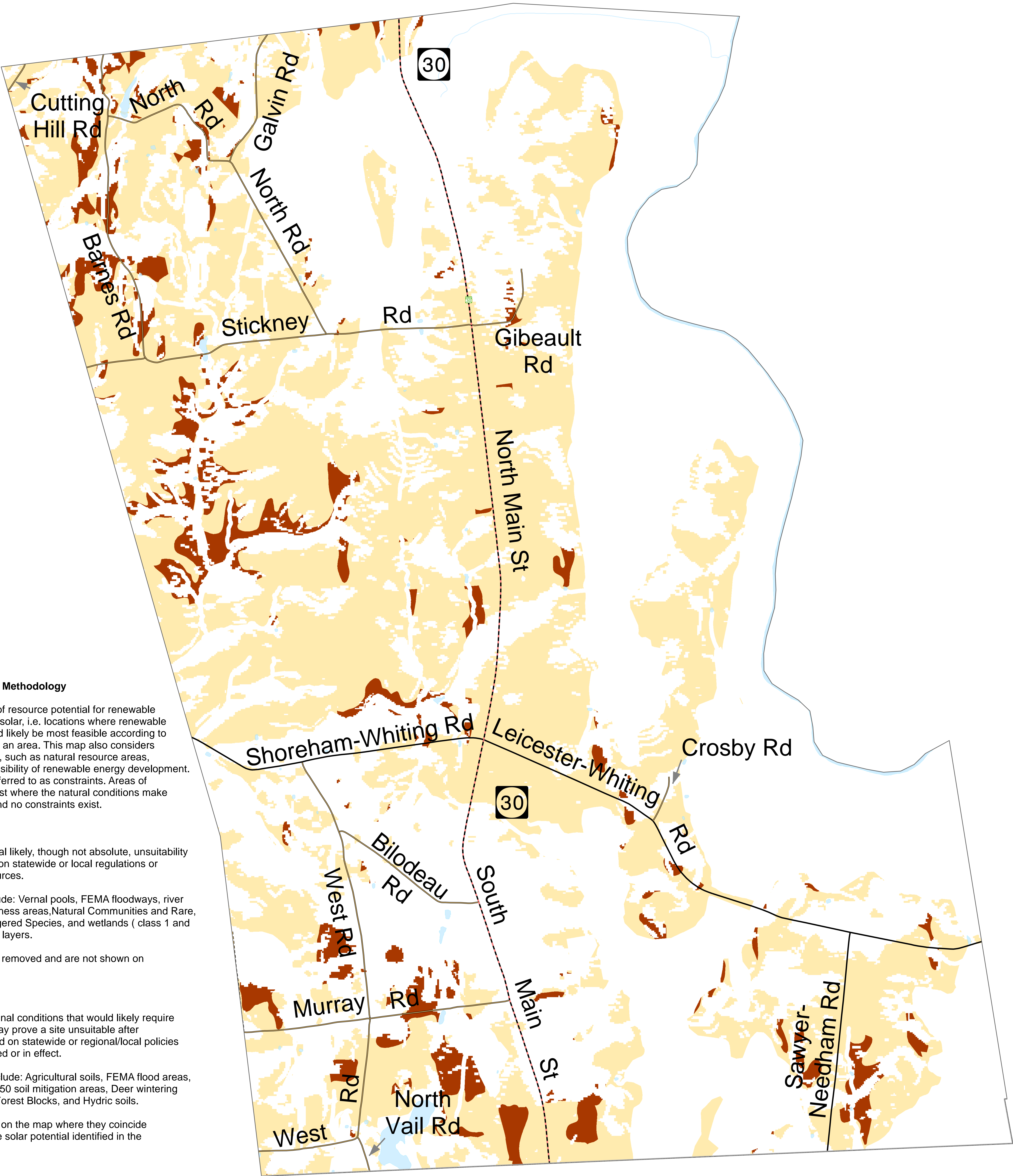
Substations, Transmission lines and 3-Phase power distribution lines from Green Mountain Power/ACRPC, Circuit Ratings identifying capacity loads and Distributed Generation also from Green Mountain Power , 4/28/2017.  
Hydroelectric facilities from agency of Natural Resources.



This map was created as part of a Regional Energy Planning Initiative with funding from the Vermont Public Service Department.



# Renewable Energy: Potential Solar Resource Siting Areas - Whiting



**Dept of Public Service Methodology**

This map shows areas of resource potential for renewable energy generation from solar, i.e. locations where renewable energy generation would likely be most feasible according to the natural conditions of an area. This map also considers various other conditions, such as natural resource areas, that may impact the feasibility of renewable energy development. These conditions are referred to as constraints. Areas of prime solar potential exist where the natural conditions make development feasible and no constraints exist.

**Known Constraints**

Known Constraints signal likely, though not absolute, unsuitability for development based on statewide or local regulations or designated critical resources.

Known Constraints include: Vernal pools, FEMA floodways, river corridors, Federal wilderness areas, Natural Communities and Rare, Threatened and Endangered Species, and wetlands ( class 1 and 2) and wetland advisory layers.

These areas have been removed and are not shown on this map.

**Possible Constraints**

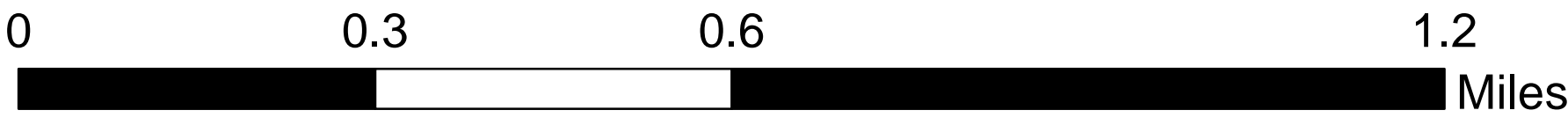
Possible Constraints signal conditions that would likely require mitigation, and which may prove a site unsuitable after site-specific study, based on statewide or regional/local policies that are currently adopted or in effect.

Possible Constraints include: Agricultural soils, FEMA flood areas, Protected Lands, ACT 250 soil mitigation areas, Deer wintering areas, Highest Priority Forest Blocks, and Hydric soils.

These areas are shown on the map where they coincide with areas of renewable solar potential identified in the solar analysis.

## Legend

- Primary Solar Resource Siting Areas
- Secondary Solar Resource Siting Areas

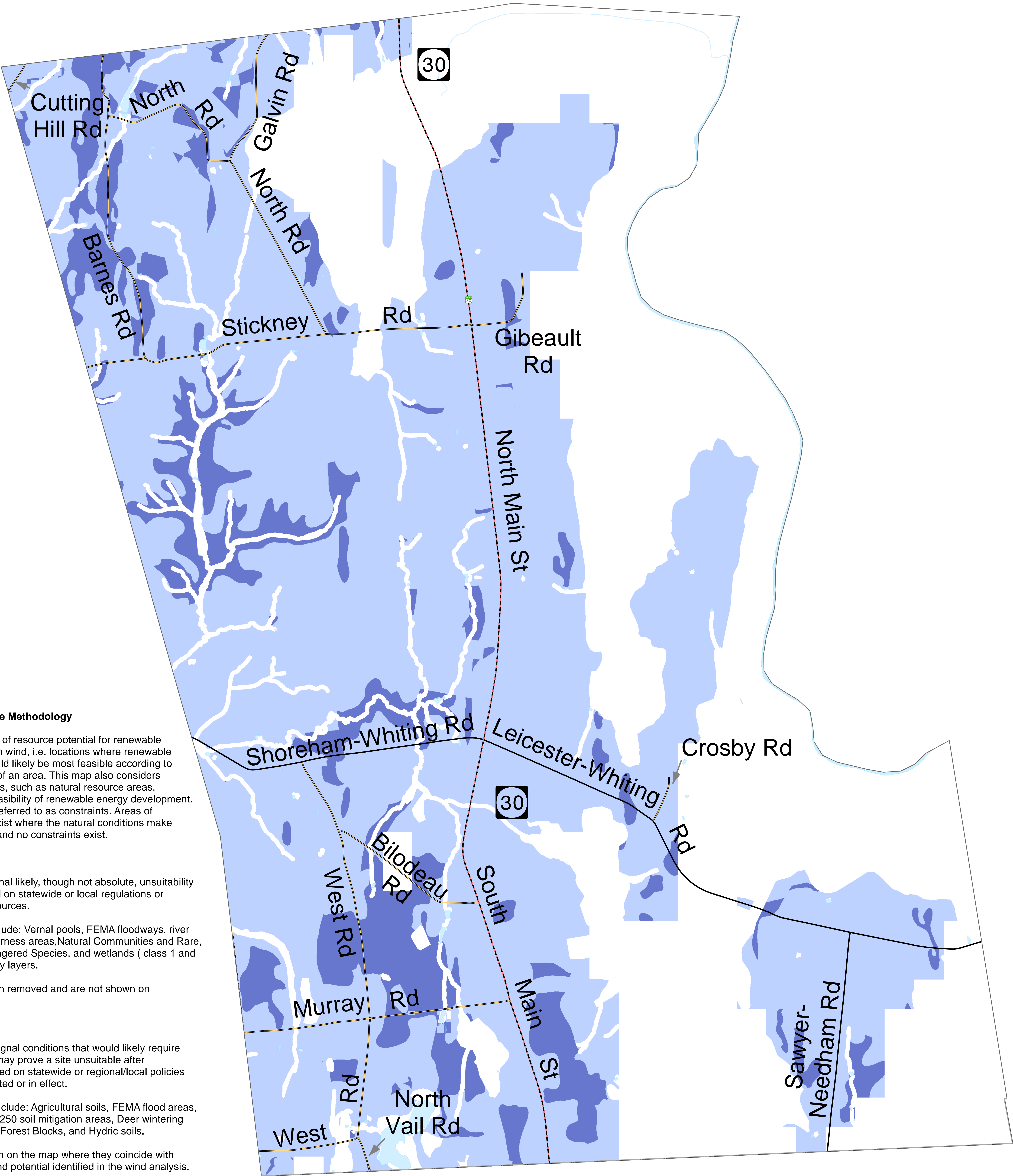


This map was created as part of a Regional Energy Planning Initiative with funding from the Vermont Public Service Department.



# Renewable Energy: Potential Wind Resource Siting Areas

## - Whiting



**Dept of Public Service Methodology**

This map shows areas of resource potential for renewable energy generation from wind, i.e. locations where renewable energy generation would likely be most feasible according to the natural conditions of an area. This map also considers various other conditions, such as natural resource areas, that may impact the feasibility of renewable energy development. These conditions are referred to as constraints. Areas of prime wind potential exist where the natural conditions make development feasible and no constraints exist.

**Known Constraints**

Known Constraints signal likely, though not absolute, unsuitability for development based on statewide or local regulations or designated critical resources.

Known Constraints include: Vernal pools, FEMA floodways, river corridors, Federal wilderness areas, Natural Communities and Rare, Threatened and Endangered Species, and wetlands ( class 1 and 2) and wetland advisory layers.

These areas have been removed and are not shown on this map.

**Possible Constraints**

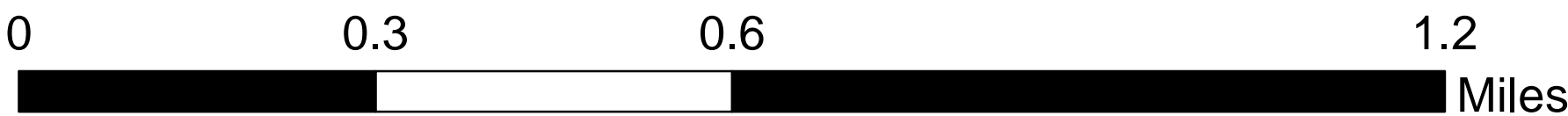
Possible Constraints signal conditions that would likely require mitigation, and which may prove a site unsuitable after site-specific study, based on statewide or regional/local policies that are currently adopted or in effect.

Possible Constraints include: Agricultural soils, FEMA flood areas, Protected Lands, ACT 250 soil mitigation areas, Deer wintering areas, Highest Priority Forest Blocks, and Hydric soils.

These areas are shown on the map where they coincide with areas of renewable wind potential identified in the wind analysis.

**Legend**

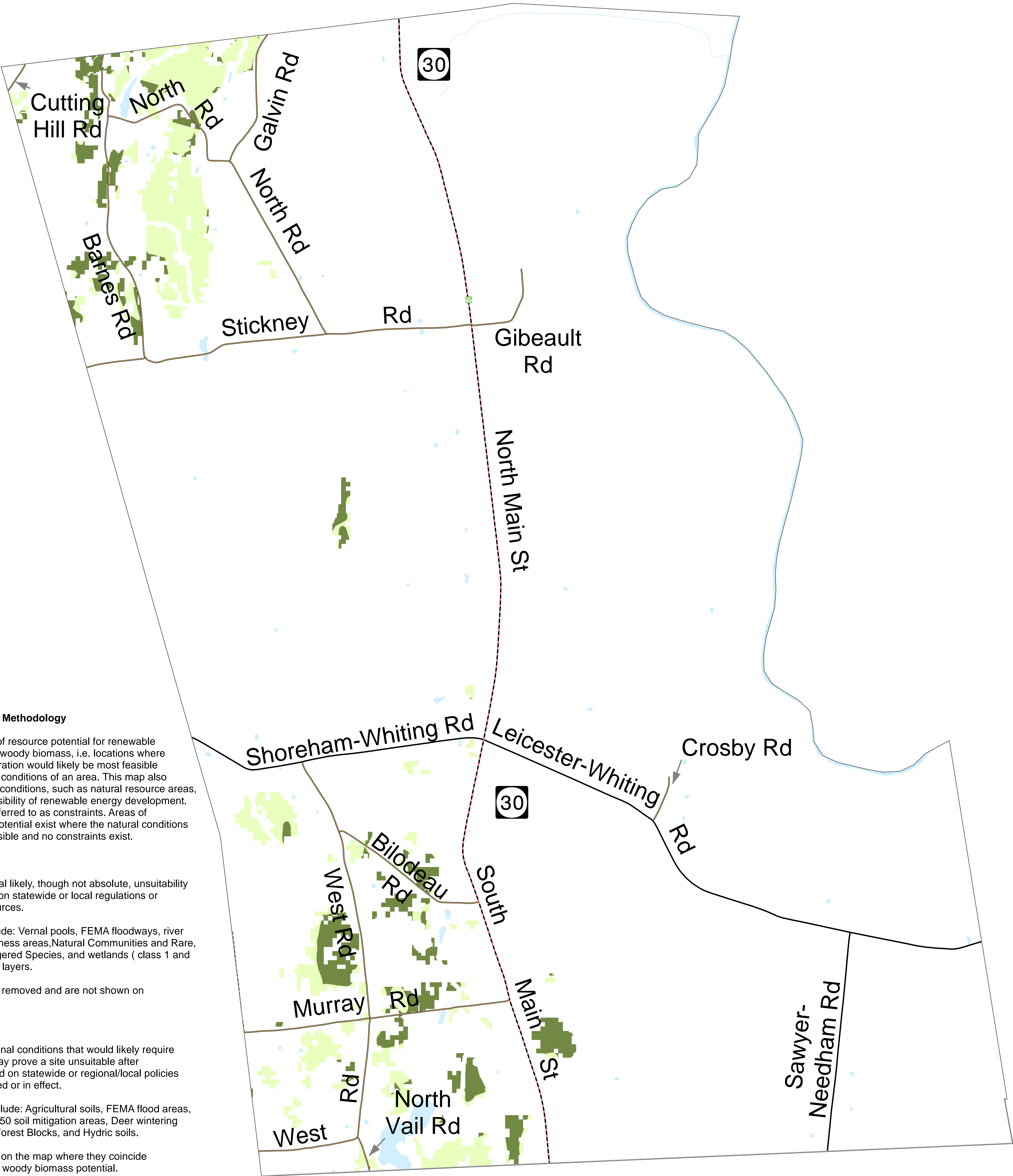
- Primary Wind Resource Siting Areas
- Secondary Wind Resource Siting Areas



This map was created as part of a Regional Energy Planning Initiative with funding from the Vermont Public Service Department.



# Renewable Energy: Potential Woody Biomass Resource Siting Areas - Whiting



**Dept of Public Service Methodology**

This map shows areas of resource potential for renewable energy generation from woody biomass, i.e. locations where renewable energy generation would likely be most feasible according to the natural conditions of an area. This map also considers various other conditions, such as natural resource areas, that may impact the feasibility of renewable energy development. These conditions are referred to as constraints. Areas of prime woody biomass potential exist where the natural conditions make development feasible and no constraints exist.

**Known Constraints**

Known Constraints signal likely, though not absolute, unsuitability for development based on statewide or local regulations or designated critical resources.

Known Constraints include: Vernal pools, FEMA floodways, river corridors, Federal wilderness areas, Natural Communities and Rare, Threatened and Endangered Species, and wetlands ( class 1 and 2) and wetland advisory layers.

These areas have been removed and are not shown on this map.

**Possible Constraints**

Possible Constraints signal conditions that would likely require mitigation, and which may prove a site unsuitable after site-specific study, based on statewide or regional/local policies that are currently adopted or in effect.

Possible Constraints include: Agricultural soils, FEMA flood areas, Protected Lands, ACT 250 soil mitigation areas, Deer wintering areas, Highest Priority Forest Blocks, and Hydric soils.

These areas are shown on the map where they coincide with areas of renewable woody biomass potential.

**Legend**

- Primary Biomass Siting Areas
- Secondary Biomass Siting Areas



This map was created as part of a Regional Energy Planning Initiative with funding from the Vermont Public Service Department.