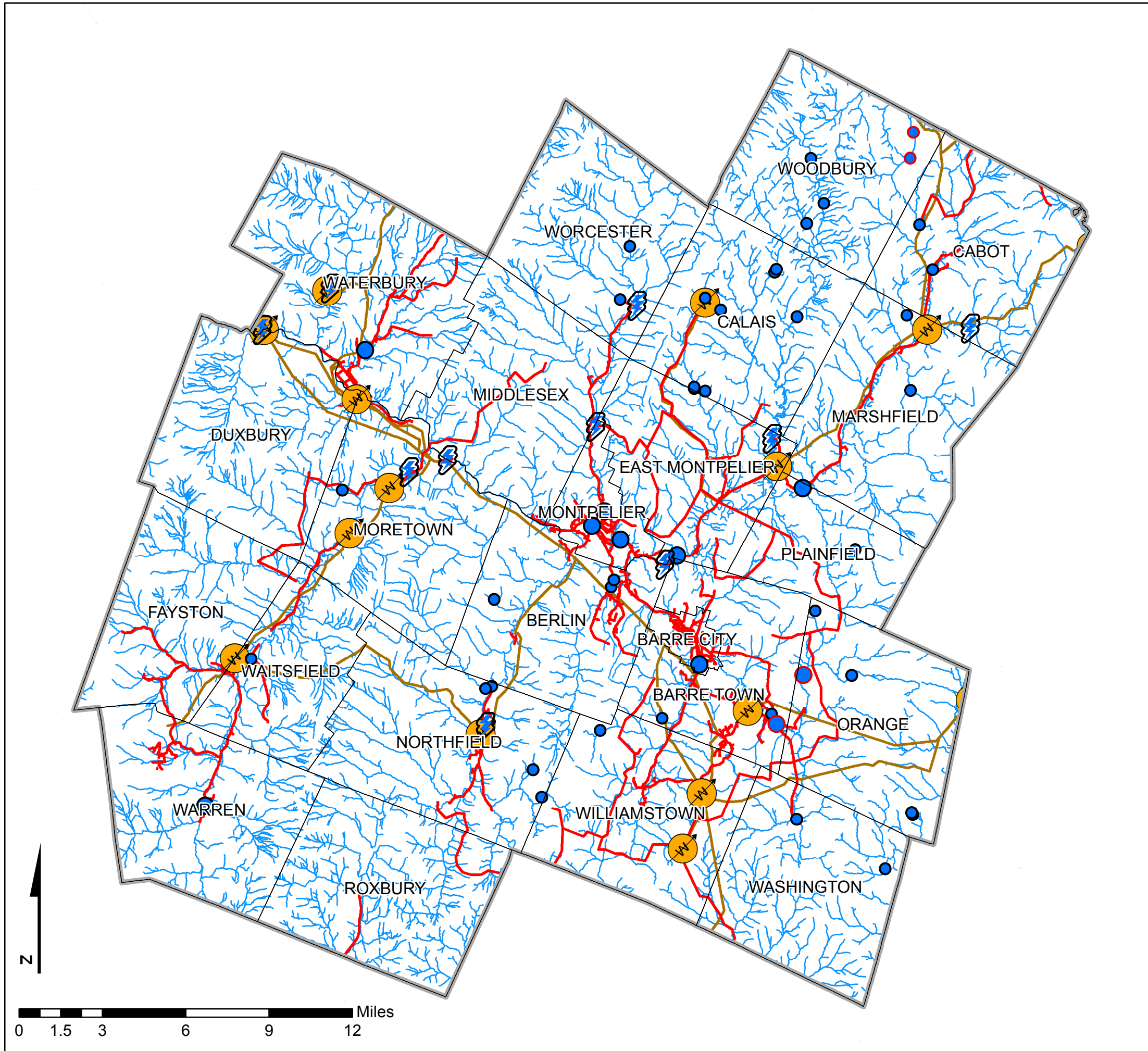


Hydroelectric Resources Map



Key

	Substations		Dams not on National Wild and Scenic Rivers
	3 Phase Power Lines		Dams on National Wild and Scenic Rivers
	Transmission Lines	Potential Hydroelectric Facilities	
	Major Roads		< 50 kW Capacity
	Lakes/Ponds		> 50 kW Capacity
	Rivers/Streams		High Hazard with < 50 kW Capacity
			High Hazard with > 50 kW Capacity

Methodology

This map shows areas of resource potential for renewable energy generation from hydroelectric, i.e., dams that could be converted into hydroelectric facilities as well as active hydroelectric sites. Existing hydroelectric dam information was extracted from the Vermont Dam Inventory, while potential hydroelectric sites were derived from a study conducted by Community Hydro in 2007.1 Based on estimates conducted within the report, this map categorizes dams based on their potential hydroelectric generation capacity, and the downstream hazard risk that would be involved in hydroelectric production at each site.

High hazard potential dams are those where failure or mis-operation will probably cause loss of human life. The other rankings were grouped together and their failure or mis-operation results in no probable loss of human life, but could cause economic loss, environmental damage, disruption of lifeline facilities, or impact other concerns. These dams are often located in predominately rural or agricultural areas, but could be located in areas with population and significant infrastructure.

This map was created as part of a Regional Energy Planning Initiative being conducted by the Bennington County Regional Commission, and the Vermont Public Service Department.

Created: December 2016 by CVRPC GIS.
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 Hydroelectric Resources 11x17.mxd