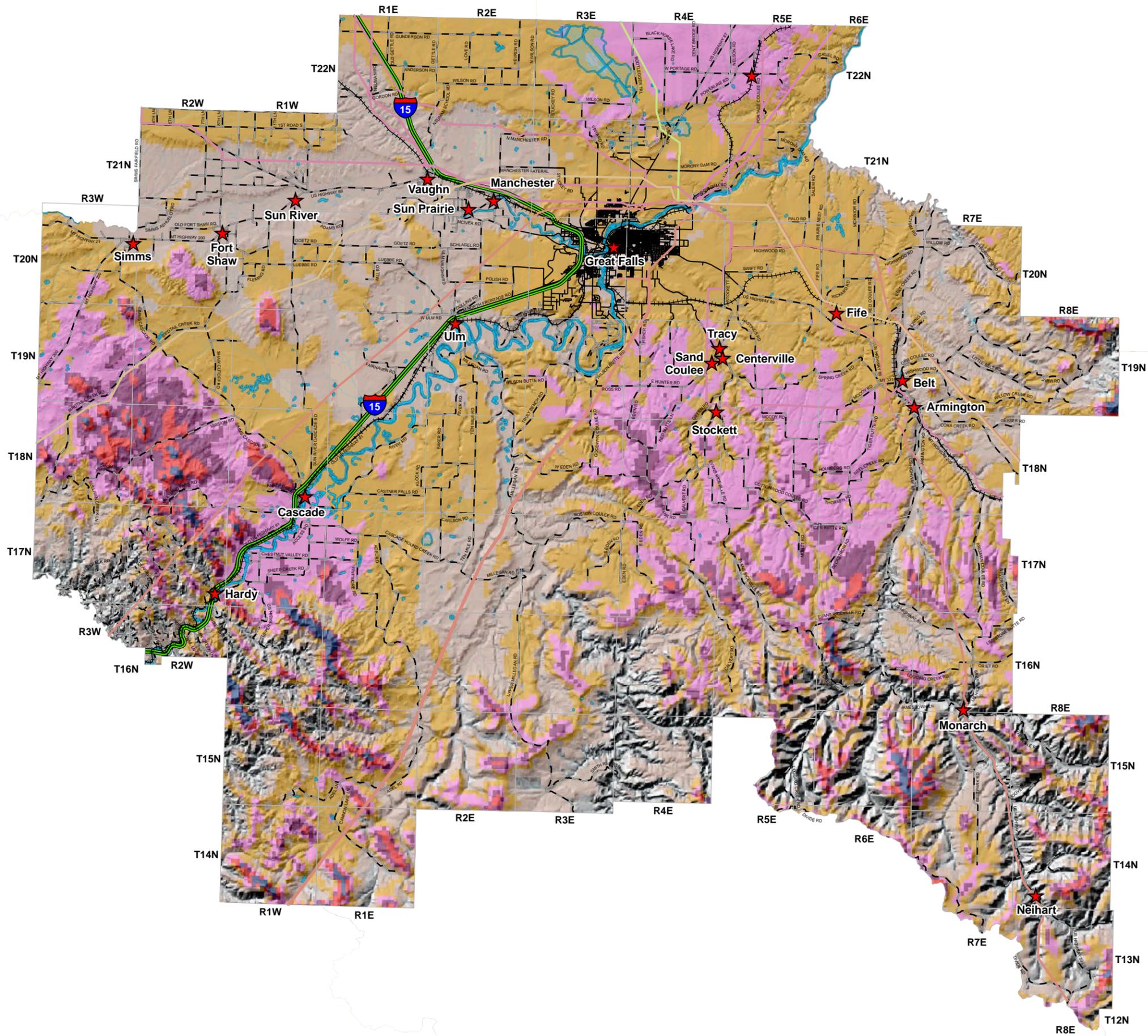


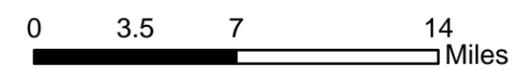
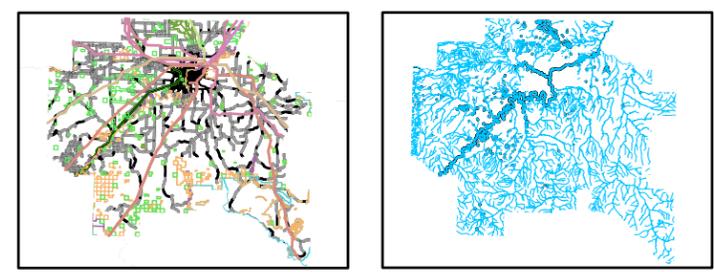
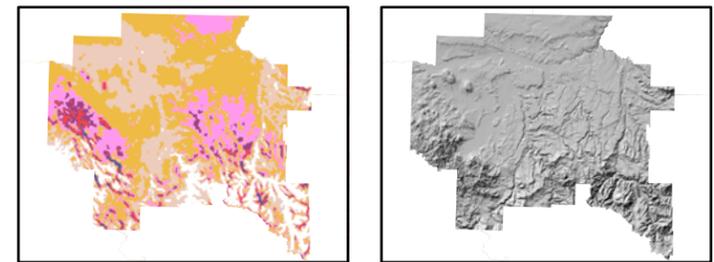
Wind Power Cascade County, Montana



Wind Power Class	Resource Potential	Wind Power Density at 50 m W/m ²	Wind Speed* at 50 m m/s	Wind Speed* at 50 m mph	Transmission Lines KV
Class 1	Poor	0-200	0-5.6	0-12.5	100
Class 2	Marginal	200-300	5.6-6.4	12.5-14.3	115
Class 3	Fair	300-400	6.4-7.0	14.3-15.7	161
Class 4	Good	400-500	7.0-7.5	15.7-16.8	230
Class 5	Excellent	500-600	7.5-8.0	16.8-17.9	69
Class 6	Outstanding	600-800	8.0-8.8	17.9-19.7	City of Great Falls GPS Roads
Class 7	Superb	Over 800	Over 8.8	Over 19.7	Cascade County GPS Roads

*Wind speeds are approximate and based on a Weibull k value of 2.0

Data Used for Wind Power Maps



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 Aug 30, 2005

Wind power is estimated for an elevation 50 meters above the ground. The estimates were produced by TrueWind Solutions using their Mesomap system and historical weather data. This data has been validated with available surface data by the National Renewable Energy Laboratory and wind energy meteorological consultants.

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This map is available at:
<http://gis.co.cascade.mt.us/Website/WindPower.htm>