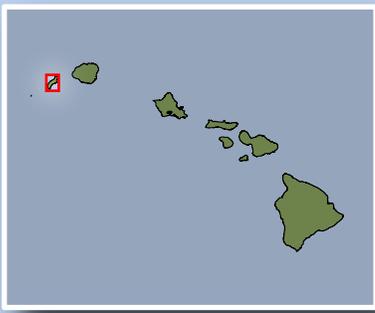


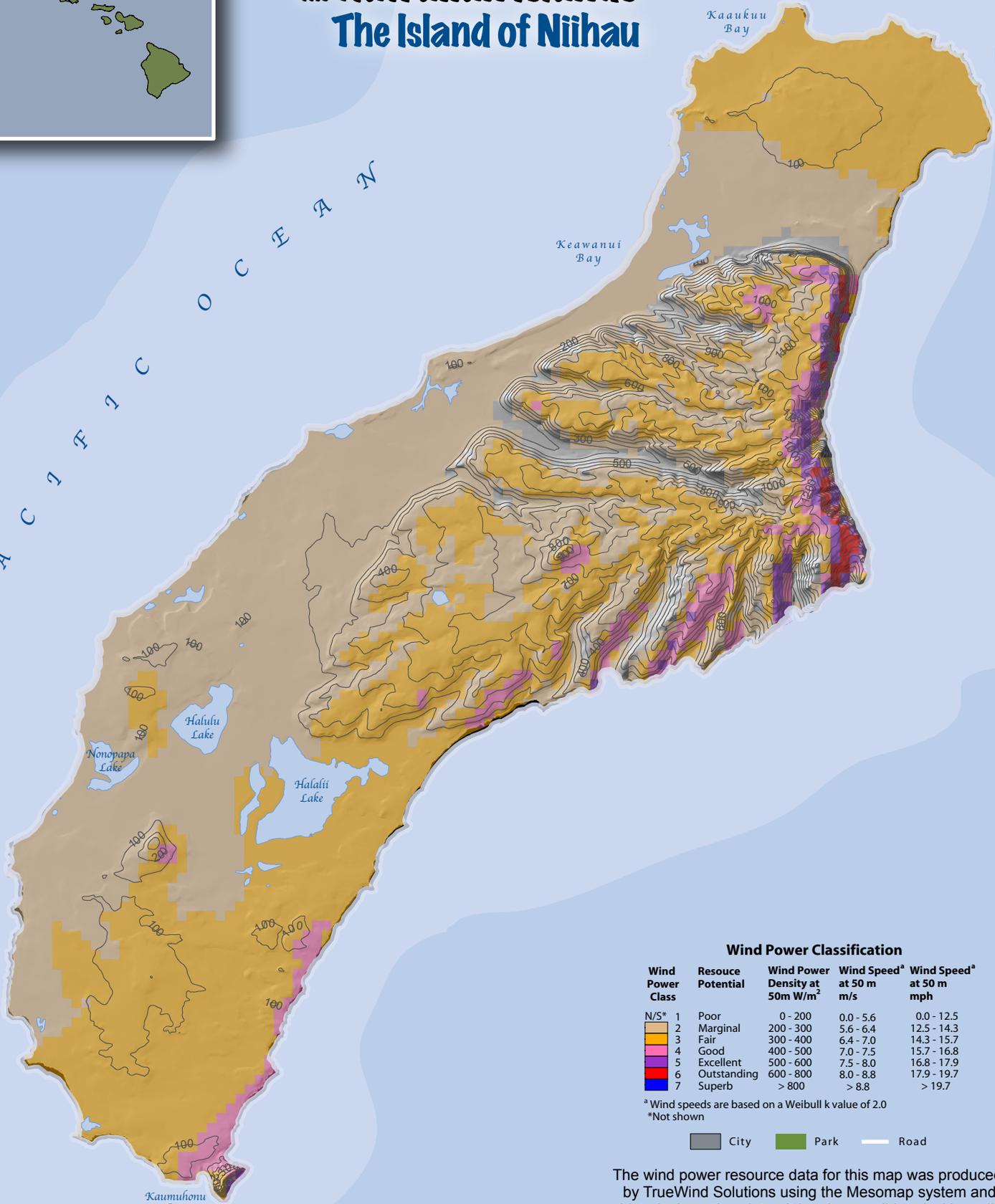
Onshore Wind Power Resource (50m)

of the Hawaiian Islands

The Island of Niihau



P A C I F I C O C E A N



Wind Power Classification

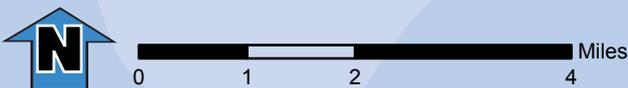
Wind Power Class	Resource Potential	Wind Power Density at 50m W/m ²	Wind Speed ^a at 50 m m/s	Wind Speed ^a at 50 m mph
N/S*	1 Poor	0 - 200	0.0 - 5.6	0.0 - 12.5
	2 Marginal	200 - 300	5.6 - 6.4	12.5 - 14.3
	3 Fair	300 - 400	6.4 - 7.0	14.3 - 15.7
	4 Good	400 - 500	7.0 - 7.5	15.7 - 16.8
	5 Excellent	500 - 600	7.5 - 8.0	16.8 - 17.9
	6 Outstanding	600 - 800	8.0 - 8.8	17.9 - 19.7
	7 Superb	> 800	> 8.8	> 19.7

^a Wind speeds are based on a Weibull k value of 2.0

*Not shown

City Park Road

The wind power resource data for this map was produced by TrueWind Solutions using the Mesomap system and historical weather data. It has been validated with available surface data by the National Renewable Energy Laboratory and wind energy meteorological consultants.



This map was produced by the National Renewable Energy Laboratory for the US Department of Energy. August 1, 2008 Visit www.nrel.gov/gis

