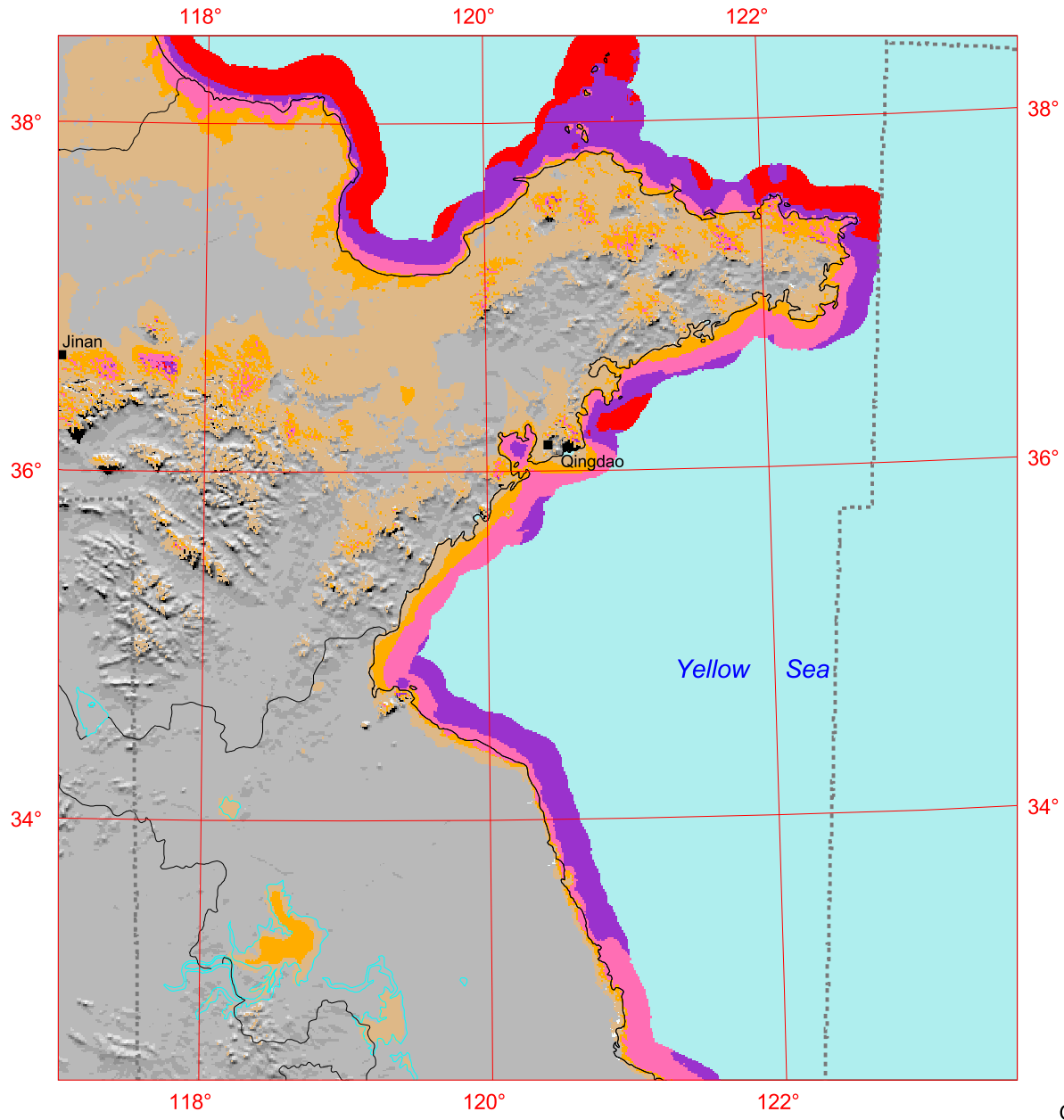
China - Qingdao - 50 m Wind Power



Solar and Wind Energy Resource Assessment

United Nations Environment Programme

Global Environment Facility

Wind Power Classification

Wind Power Class	Resource Potential	Wind Power Density at 50 m W/m²	Wind Speed[a] at 50 m m/s
1	Poor	0 - 200	0 - 5.6
2	Marginal	200 - 300	5.6 - 6.4
3	Moderate	300 - 400	6.4 - 7.0
4	Good	400 - 500	7.0 - 7.5
5	Excellent	500 - 600	7.5 - 8.0
6		600 - 800	8.0 - 8.8
7		> 800	> 8.8

[a] Wind speeds are based on a Weibull k value of 2.0

50 0 50 100 150 200 Kilometers

U.S. Department of Energy
National Renewable Energy Laboratory

11-AUG-2005 9.1.3