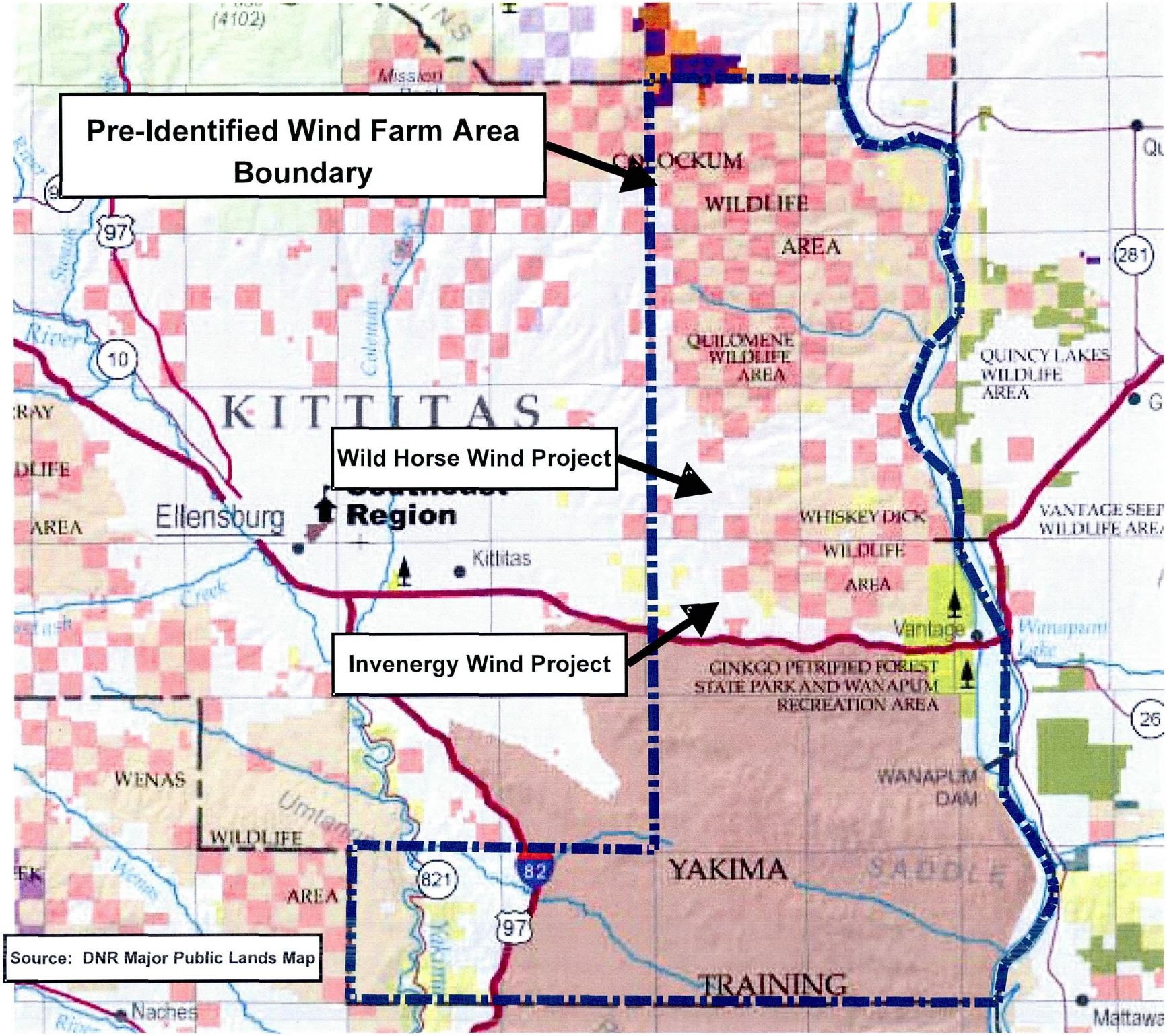

Source: DNR Major Public Lands Map

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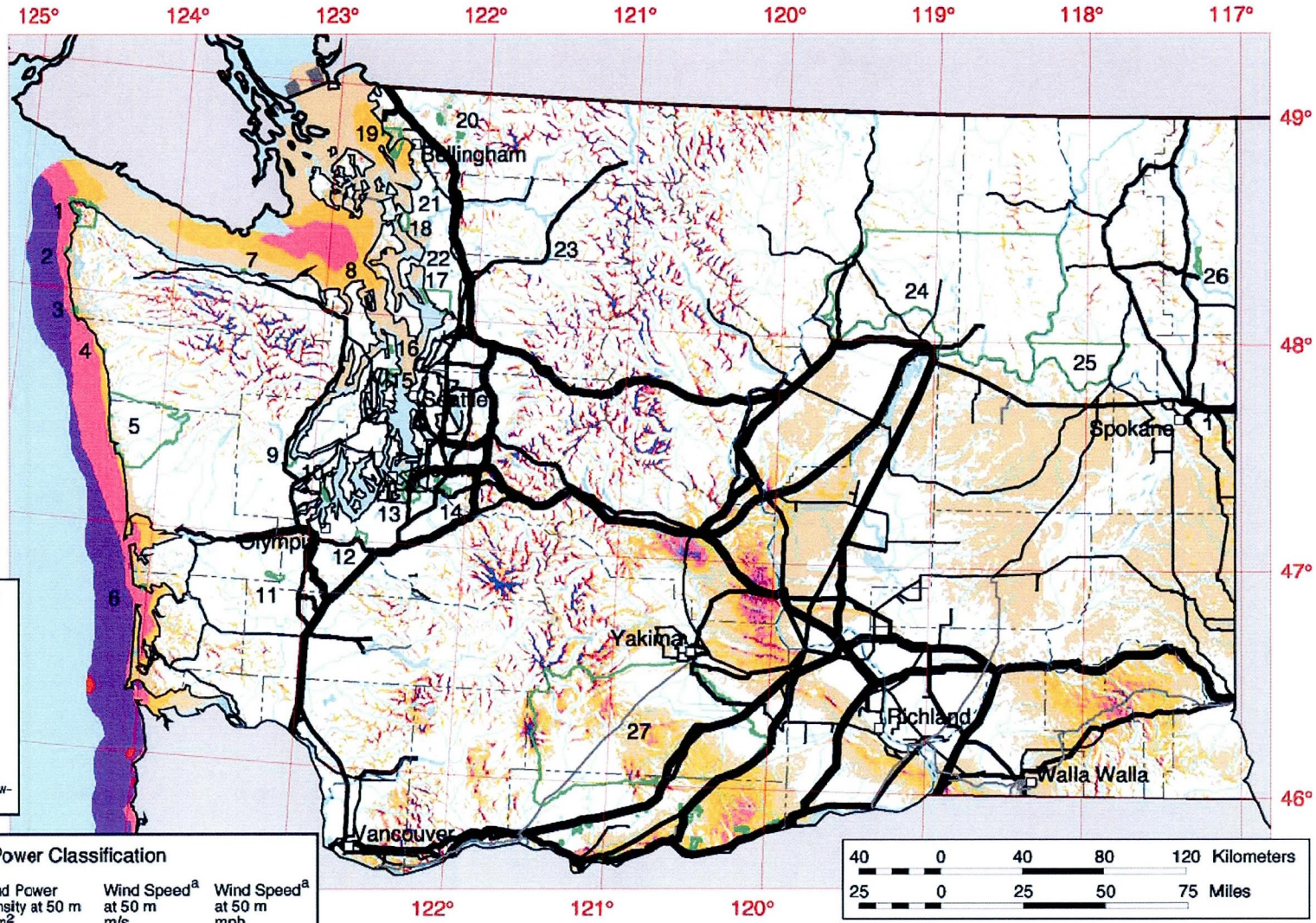
EXHIBIT 11.7

Washington - Wind Power Resource Estimates



Indian Reservation

1 Makah
2 Ozette
3 Quileute
4 Hoh
5 Quinault
6 Shoalwater Bay
7 Lower Elwha
8 Jamestown
9 Skokomish
10 Squaxin Island
11 Chehalis
12 Nisqually
13 Puyallup
14 Muckleshoot
15 Port Madison
16 Port Gamble
17 Tulalip
18 Swinomish
19 Lummi
20 Nooksack
21 Upper Skagit
22 Stillaquamish
23 Sauk-Suiatlle
24 Colville
25 Spokane
26 Kalispel
27 Yakama

Transmission Line*
Voltage (kV)

- 69
- 115
- 230 - 287
- 345
- 500
- 1000 (DC)

* Source: POWERmap, © 2002 Platts, a Division of the McGraw-Hill Companies

Wind Power Classification

Wind Power Class	Resource Potential	Wind Power Density at 50 m W/m²	Wind Speed[a] at 50 m m/s	Wind Speed[a] at 50 m mph
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

40 0 40 80 120 Kilometers
25 0 25 50 75 Miles

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.

U.S. Department of Energy
National Renewable Energy Laboratory

NREL

07-JUN-2002 1.1.11

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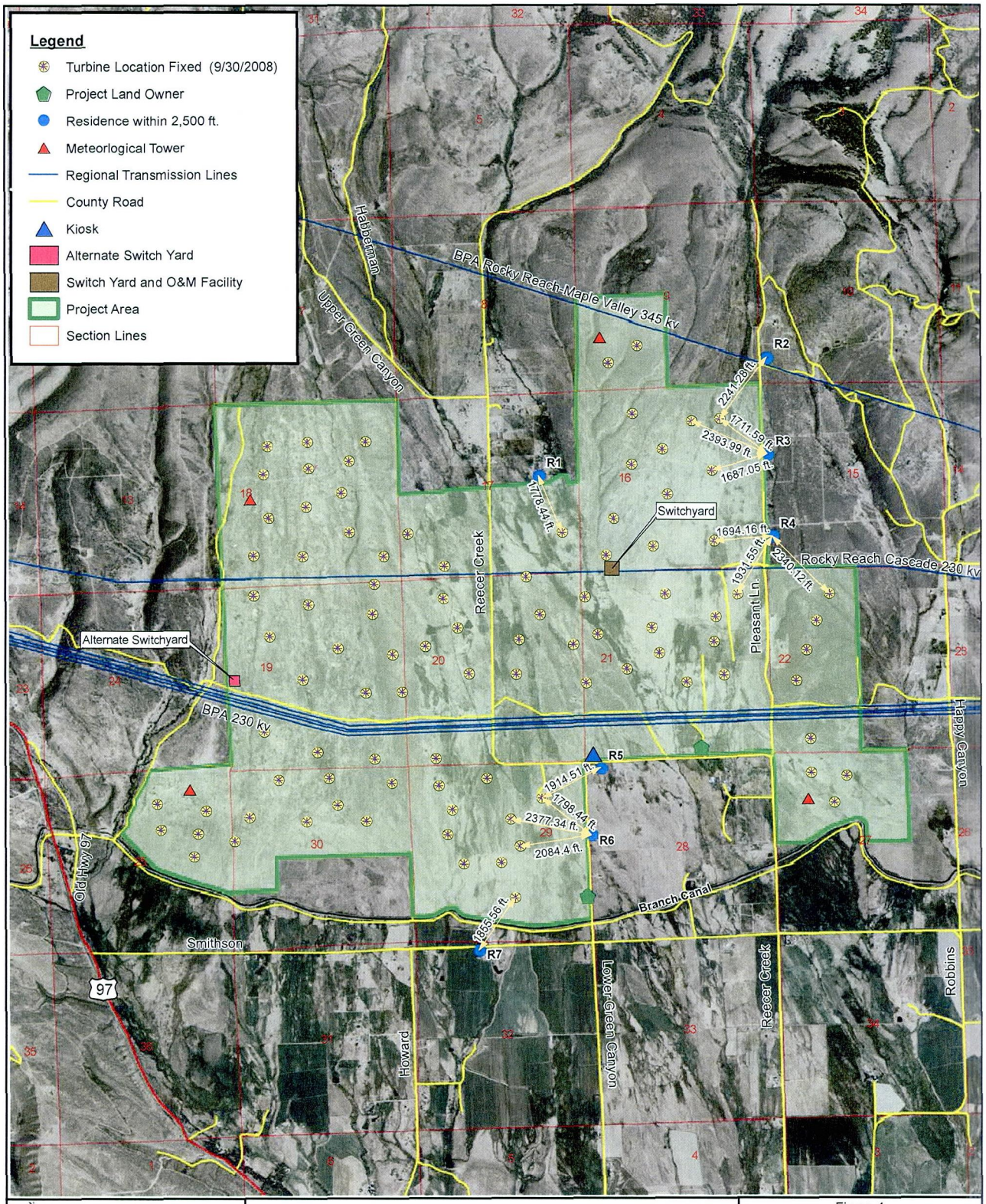

0 0.125 0.25 0.5 0.75 1
Miles
Scale 1:48,000

Desert Claim Wind Power
Kittitas County, Washington

DESERT CLAIM WIND POWER

Kittitas County, Washington

Figure 4
Project Area with Neighboring Residences Updated for 4x Turbine Height Seback

Date: 9/30/2008	GIS Analyst: avh
Map Source Information: NAIP 2006 Kittitas County	

...\desert_claim\turbine_layout_7-24-08\figures\figure 4 project area with residences.mxd