

Wind Resource Summary for Deer Trail Site

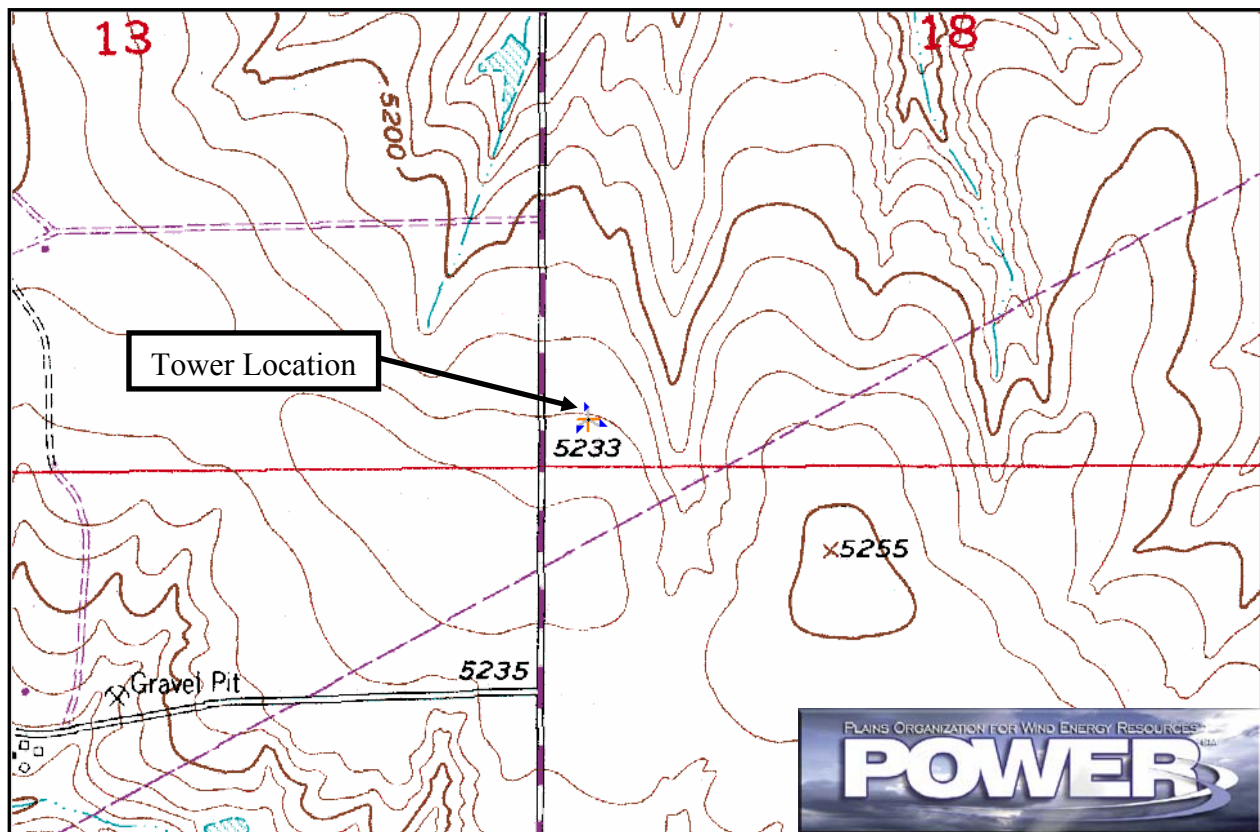
Colorado Anemometer Loan Program

Monitoring Period:^a 6/29/2004 – 6/29/2005

Site Description:

Latitude: N 39° 41' 50"	Township: 4 S
Longitude: W 104° 2' 24"	Range: 59 W
Elevation: 5226 feet	Section: 18
Tower Type: NRG Tilt-Up	Tower Height: 66 feet

The site was approximately 5 miles north of the town of Deer Trail, Colorado. The tower was located in the southeast corner of pasture on high ground. A number of ravines and waterways exist in the area, as well as knolls. The landscape consists of a mixture of pasture and cultivated fields.



Summary Wind Data:	66 ft AGL^b
Mean Wind Speed	12.6 mph
Maximum, 10-min Mean Wind Speed	49.9 mph – 4/5/2005 11:50 a.m.
Estimated Wind Power Class^c	Class 2 (176 W/m ²)

^a Data recovery rate was 92%.

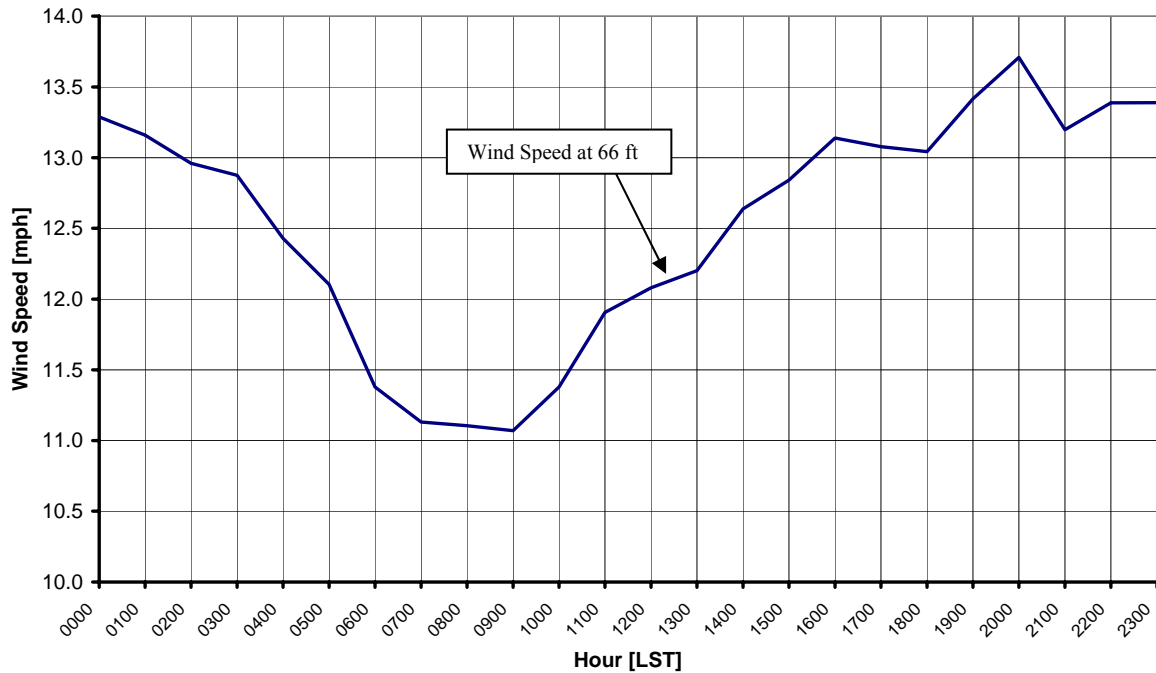
^b Above ground level.

^c Air temperature was not factored into calculation.

Average Hourly Wind Speeds

66 ft AGL		
LST ^d	mph	m/s
0000	13.3	5.94
0100	13.2	5.88
0200	13.0	5.79
0300	12.9	5.76
0400	12.4	5.56
0500	12.1	5.41
0600	11.4	5.09
0700	11.1	4.98
0800	11.1	4.96
0900	11.1	4.95
1000	11.4	5.09
1100	11.9	5.32
1200	12.1	5.40
1300	12.2	5.45
1400	12.6	5.65
1500	12.8	5.74
1600	13.1	5.87
1700	13.1	5.85
1800	13.0	5.83
1900	13.4	6.00
2000	13.7	6.13
2100	13.2	5.90
2200	13.4	5.98
2300	13.4	5.99

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^d Local standard time.



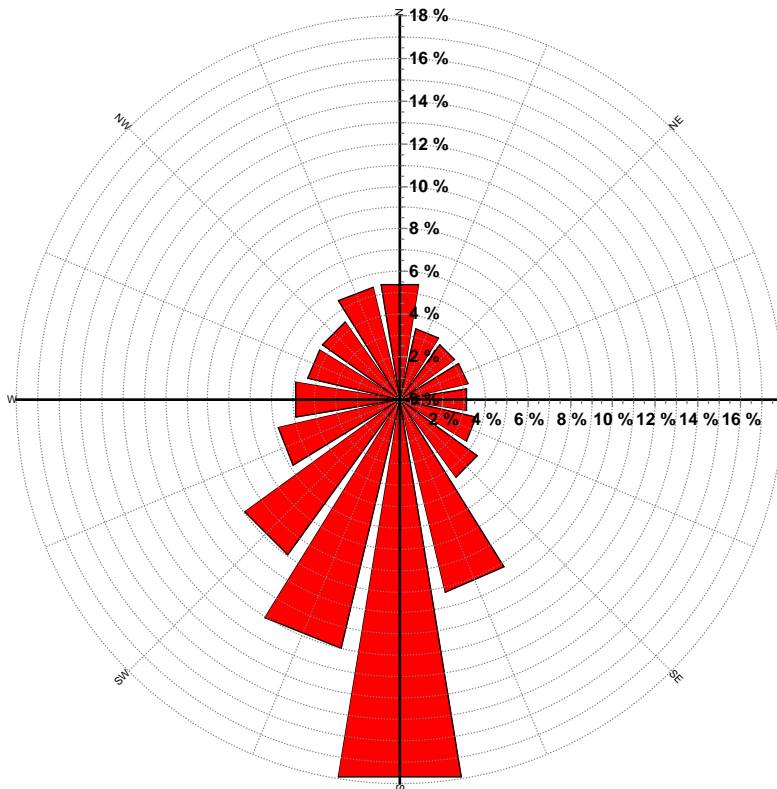
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Creation Date: 7/8/2005

Wind Directional Frequency

Winds from the...	Frequency (%)
NNW	5.4
NW	4.5
WNW	4.4
W	5.0
WSW	5.9
SW	9.0
SSW	12.0
S	17.9
SSE	9.3
SE	4.5
ESE	3.7
E	3.2
ENE	3.3
NE	3.2
NNE	3.4
N	5.4

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 Wind Rose for 66 ft AGL
 6/29/2004 – 6/29/2005



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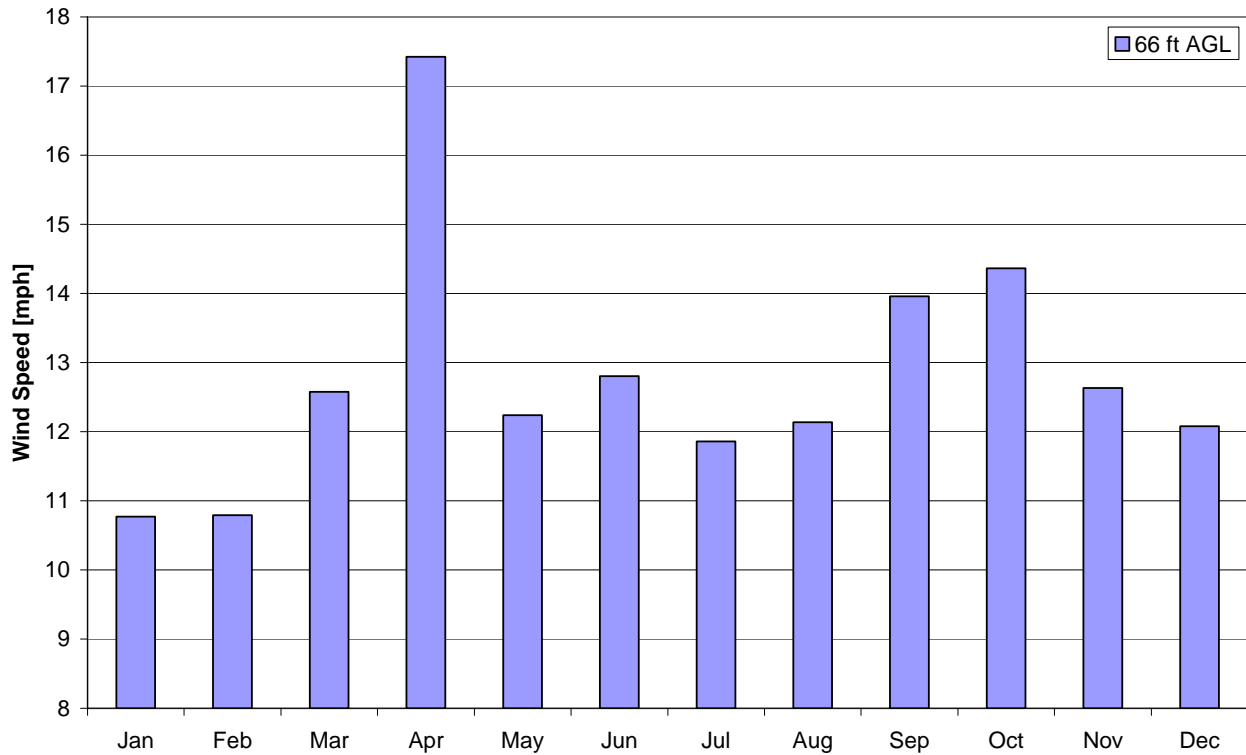
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Monthly Wind Speed Averages

66 ft AGL

Month	mph	m/s
Jan	10.8	4.81
Feb	10.8	4.82
Mar	12.6	5.62
Apr	17.4	7.79
May	12.2	5.47
Jun	12.8	5.72
Jul	11.9	5.30
Aug	12.1	5.43
Sep	14.0	6.24
Oct	14.4	6.42
Nov	12.6	5.65
Dec	12.1	5.40

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