



Cherokee Nation Enterprises

WIND ENERGY FEASIBILITY STUDY

Grant Report

October 19, 2004





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- Cherokee Nation
 - 2nd Largest Tribe in the United States
 - 14-county Jurisdiction in Northeastern Oklahoma
- 13-month study
 - Approximately \$270,000
 - Location in Kay County, Oklahoma on 4,275 acre property



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- Model 4000 MiniSODAR High Frequency Doppler Equipment
 - Wind Speed Accuracy – 2 degrees
 - Measurement can be taken from 15 to 200 meter altitudes in 5 meter increments
 - Unit is portable and can be mounted on a trailer
 - Data is read via modem connection



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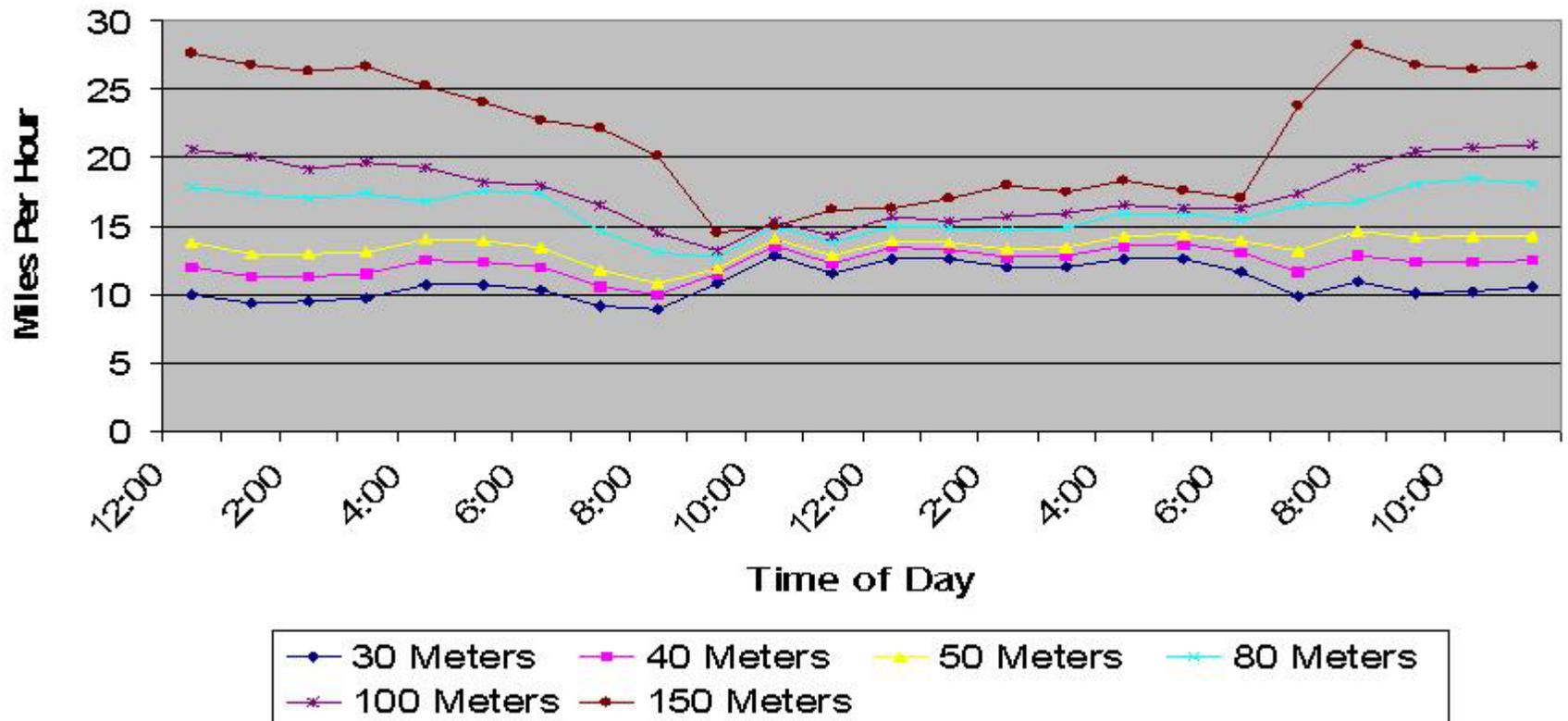
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Wind Velocity by Altitude
08/01/04 - 09/18/04





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Total Windrose Data For Chillico (avg_Hour 02)
50 Meter Level
For The Period 8/18/2004 to 9/18/2004

