Site Information:

Project: Wind Hybrid Project

Location: Morris, MN

Elevation: 350 m

Sensor Information:

1 NRG #40 Anem. m/s
2 NRG #40 Anem. m/s
3 NRG #40 Anem. m/s
4 NRG #40 Anem. m/s
5 NRG #40 Anem. m/s
6 NRG #40 Anem. m/s
7 #200P Wind Vane
8 #200P Wind Vane
9 NRG #110S Temp C
10 BP-20 Barom. mb
11 No SCM Installed
12 No SCM Installed

June 2004

Summary Report

SITE 1080

WCROC

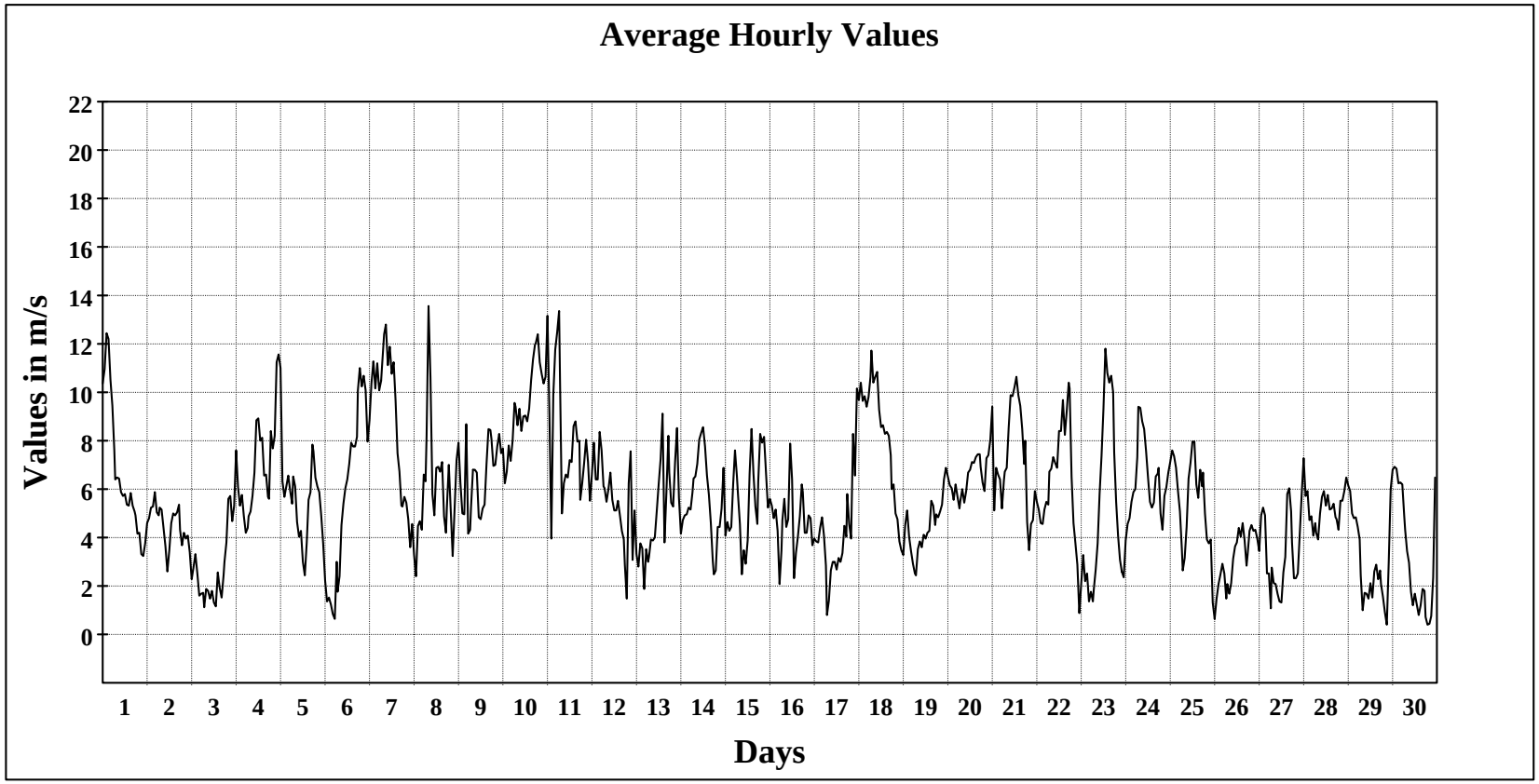
Channel	1	2	3	4	5	6	7	8	9	10		
Height	50 m	50 m	40 m	40 m	30 m	30 m	50 m	40 m	2 m	2 m	------	------
Units	m/s	m/s	m/s	m/s	m/s	m/s	deg	deg	C	mb	-----	-----
Intervals with Valid Data	4320	4320	4320	4320	4320	4320	4320	4320	4320	4320		
Average Filtered Data	5.65	5.7	5.23	5.47	4.98	5.03	302.02	301.87	19.03	978.68		
Average for All Data	5.65	5.7	5.23	5.47	4.98	5.03	302.02	301.87	19.03	978.68		
Min Interval Average	0.4	0.4	0.4	0.4	0.4	0.4			8	956		
Date of Min Interval	6/3/2004	6/3/2004	6/3/2004	6/3/2004	6/3/2004	6/3/2004			6/19/2004	6/1/2004		
Time of Min Interval	12:50:00 PM	12:50:00 PM	4:40:00 AM	12:50:00 PM	12:40:00 AM	12:40:00 AM			4:30:00 AM	2:00:00 AM		
Max Interval Average	17.8	18.1	16.8	17.4	16.1	16.6			33.3	994.5		
Date of Max Interval	6/23/2004	6/23/2004	6/23/2004	6/23/2004	6/23/2004	6/23/2004			6/30/2004	6/19/2004		
Time of Max Interval	1:00:00 PM	1:00:00 PM	1:00:00 PM	1:00:00 PM	1:00:00 PM	1:00:00 PM			4:00:00 PM	7:20:00 AM		
Average Interval SD	0.79	0.77	0.79	0.78	0.79	0.8	8.79	9.26	0.06	0.01		
Min Sample	0.4	0.4	0.4	0.4	0.4	0.4			7.5	955.2		
Date of Min Sample	6/2/2004	6/2/2004	6/2/2004	6/2/2004	6/1/2004	6/1/2004			6/19/2004	6/1/2004		
Time of Min Sample	11:00:00 AM	11:00:00 AM	11:00:00 AM	11:00:00 AM	9:50:00 PM	9:00:00 PM			4:30:00 AM	1:50:00 AM		
Max Sample	25.6	26	24	25.6	23.7	24.8			33.7	994.7		
Date of Max Sample	6/23/2004	6/23/2004	6/23/2004	6/23/2004	6/23/2004	6/23/2004			6/30/2004	6/19/2004		
Time of Max Sample	1:00:00 PM	1:00:00 PM	1:00:00 PM	1:00:00 PM	1:00:00 PM	1:00:00 PM			4:00:00 PM	6:20:00 AM		
Average Interval TI	0.16	0.16	0.18	0.16	0.18	0.19						
Wind Speed Direction							NW	NNW				

Site Information:
Project: Wind Hybrid Project
Location: Morris, MN
Elevation: 350 m

Sensor on channel 1:
NRG #40 Anem. m/s
Height: 50 m
Serial #: SN:

June 2004

Hourly Averages Graph, 50m, Ch 1
SITE 1080
WCROC



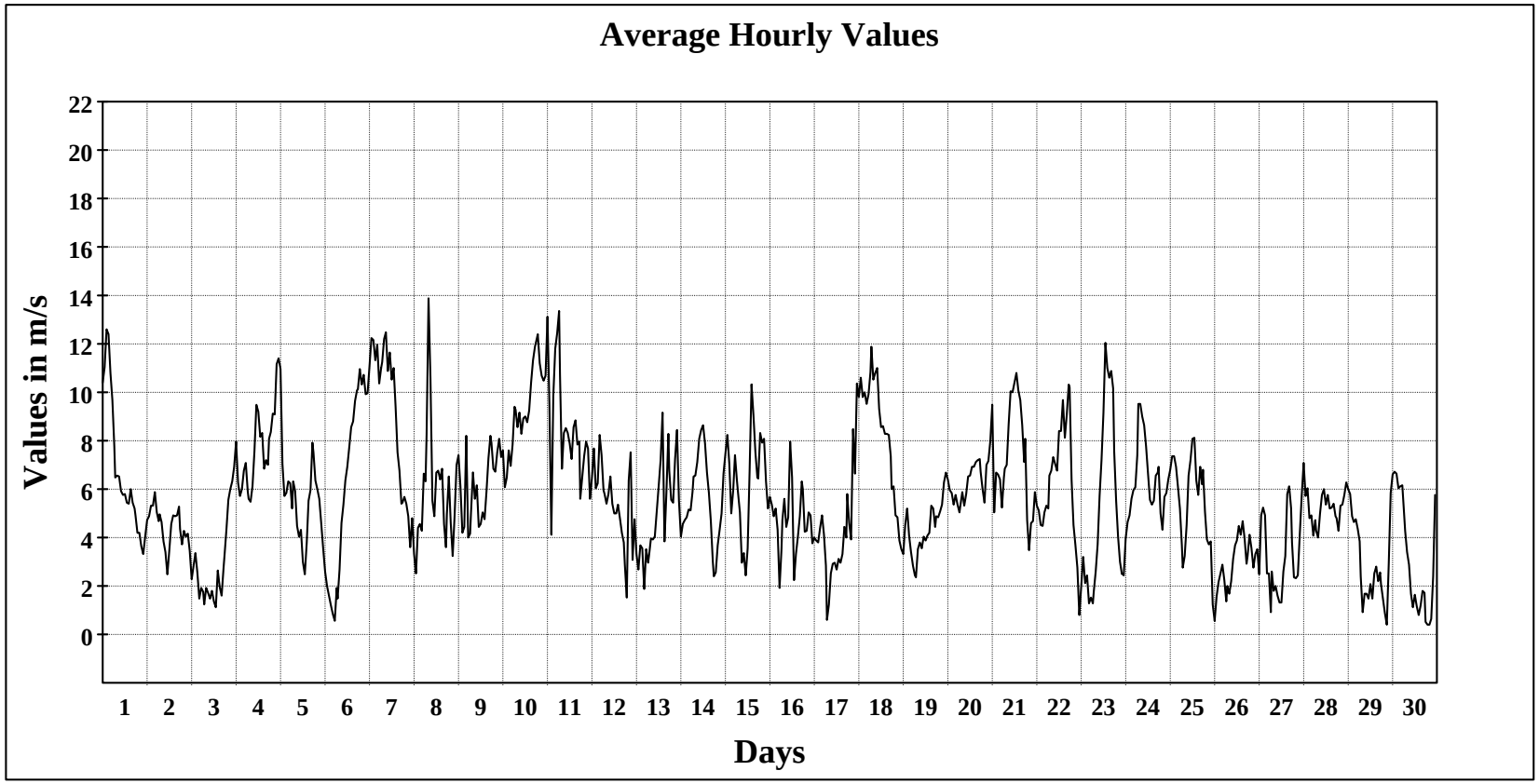
Average Value: 5.7

Site Information:
Project: Wind Hybrid Project
Location: Morris, MN
Elevation: 350 m

Sensor on channel 2:
NRG #40 Anem. m/s
Height: 50 m
Serial #: SN:

June 2004

Hourly Averages Graph, 50m, Ch 2
SITE 1080
WCROC



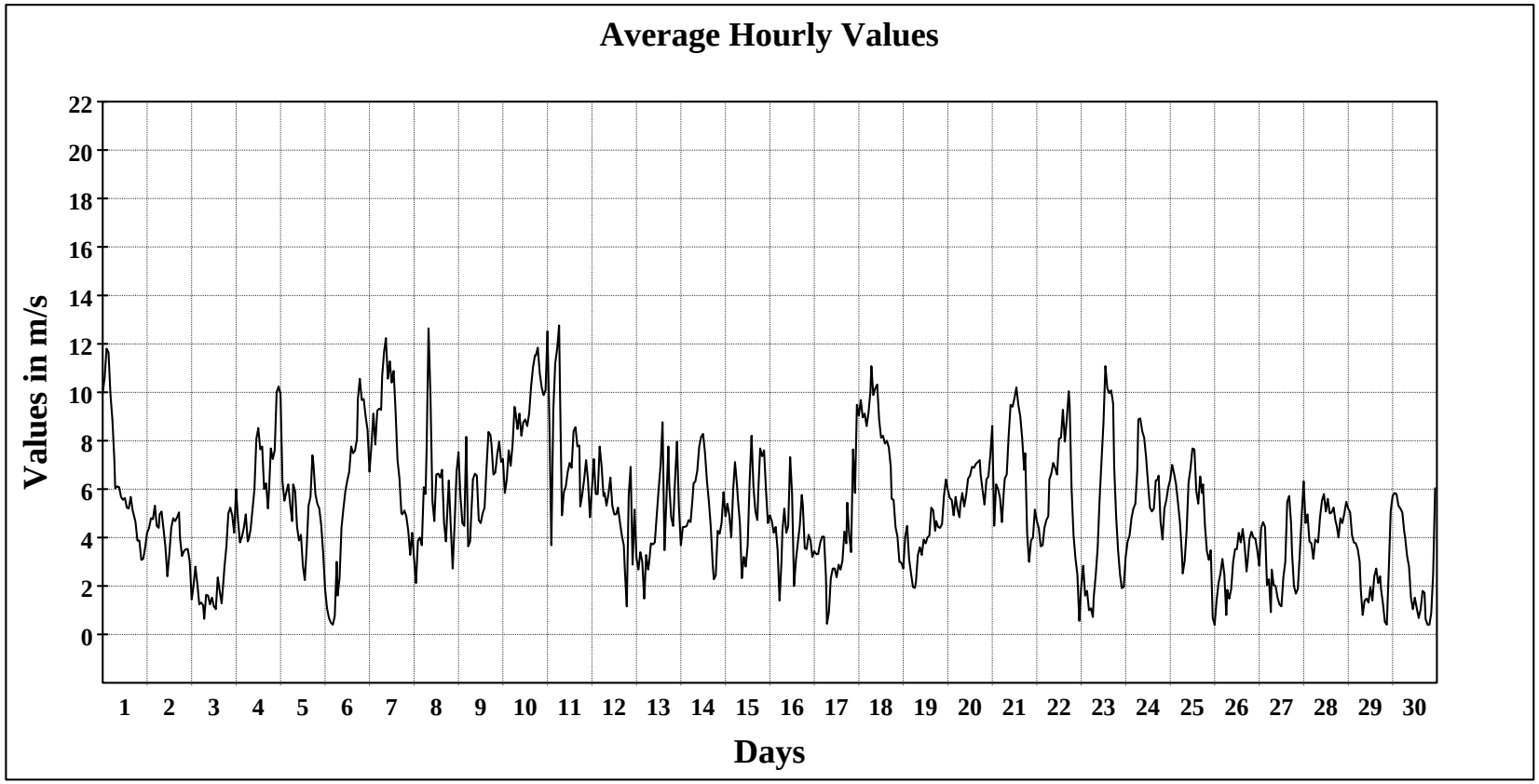
Average Value: 5.7

Site Information:
Project: Wind Hybrid Project
Location: Morris, MN
Elevation: 350 m

Sensor on channel 3:
NRG #40 Anem. m/s
Height: 40 m
Serial #: SN:

June 2004

Hourly Averages Graph, 40m, Ch 3
SITE 1080
WCROC



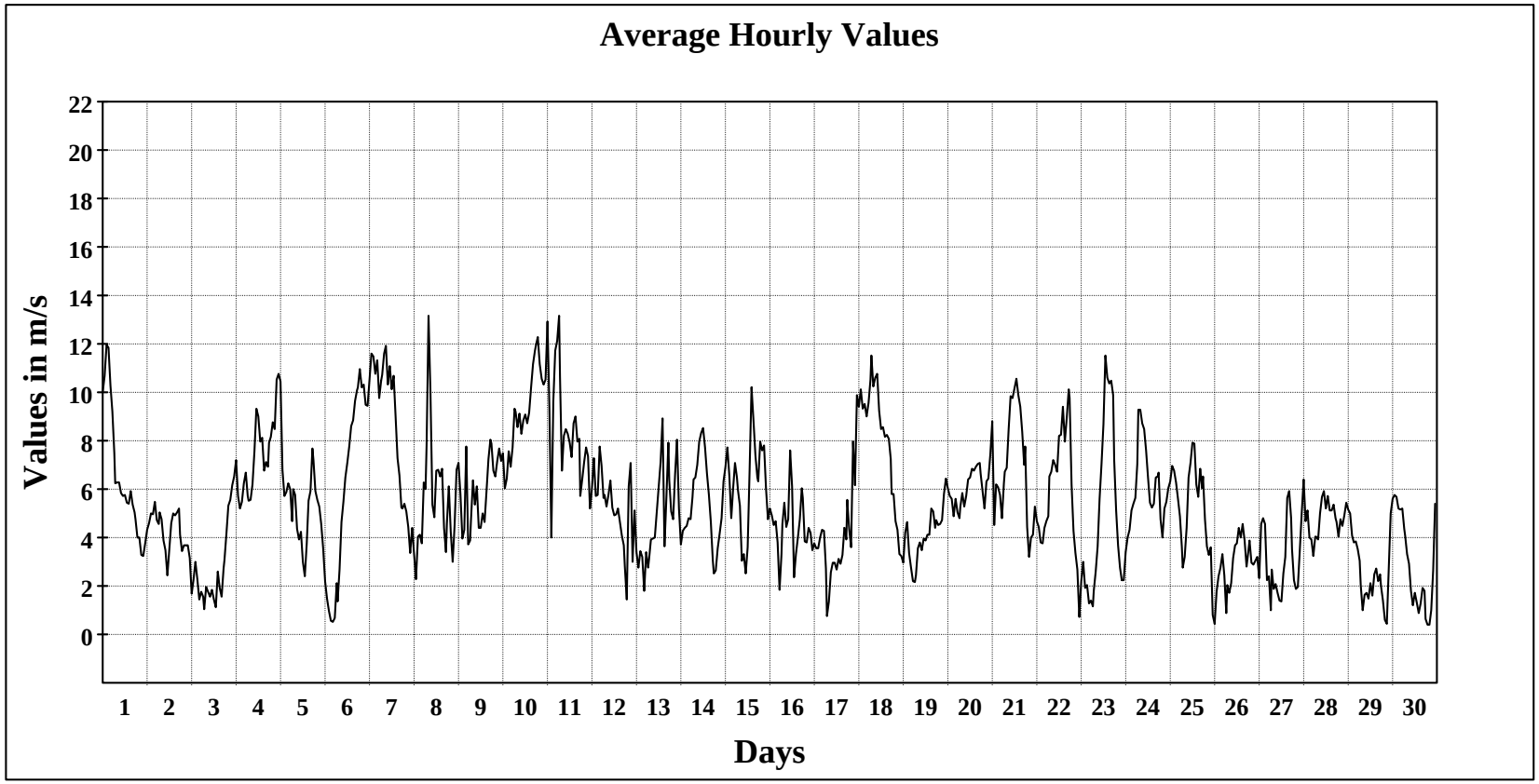
Average Value: 5.2

Site Information:
Project: Wind Hybrid Project
Location: Morris, MN
Elevation: 350 m

Sensor on channel 4:
NRG #40 Anem. m/s
Height: 40 m
Serial #: SN:

June 2004

Hourly Averages Graph, 40m, Ch 4
SITE 1080
WCROC



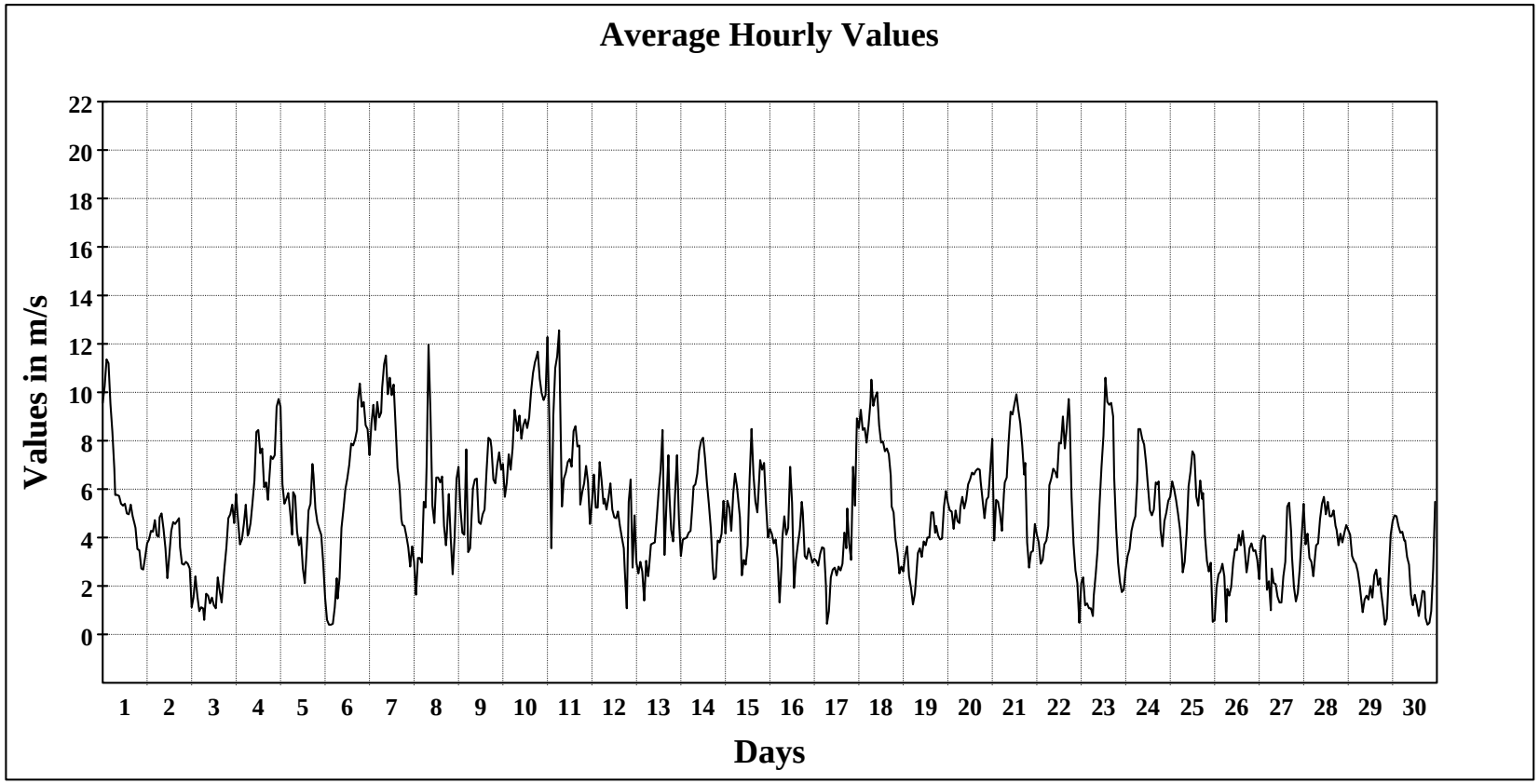
Average Value: 5.5

Site Information:
Project: Wind Hybrid Project
Location: Morris, MN
Elevation: 350 m

Sensor on channel 5:
NRG #40 Anem. m/s
Height: 30 m
Serial #: SN:

June 2004

Hourly Averages Graph, 30m, Ch 5
SITE 1080
WCROC



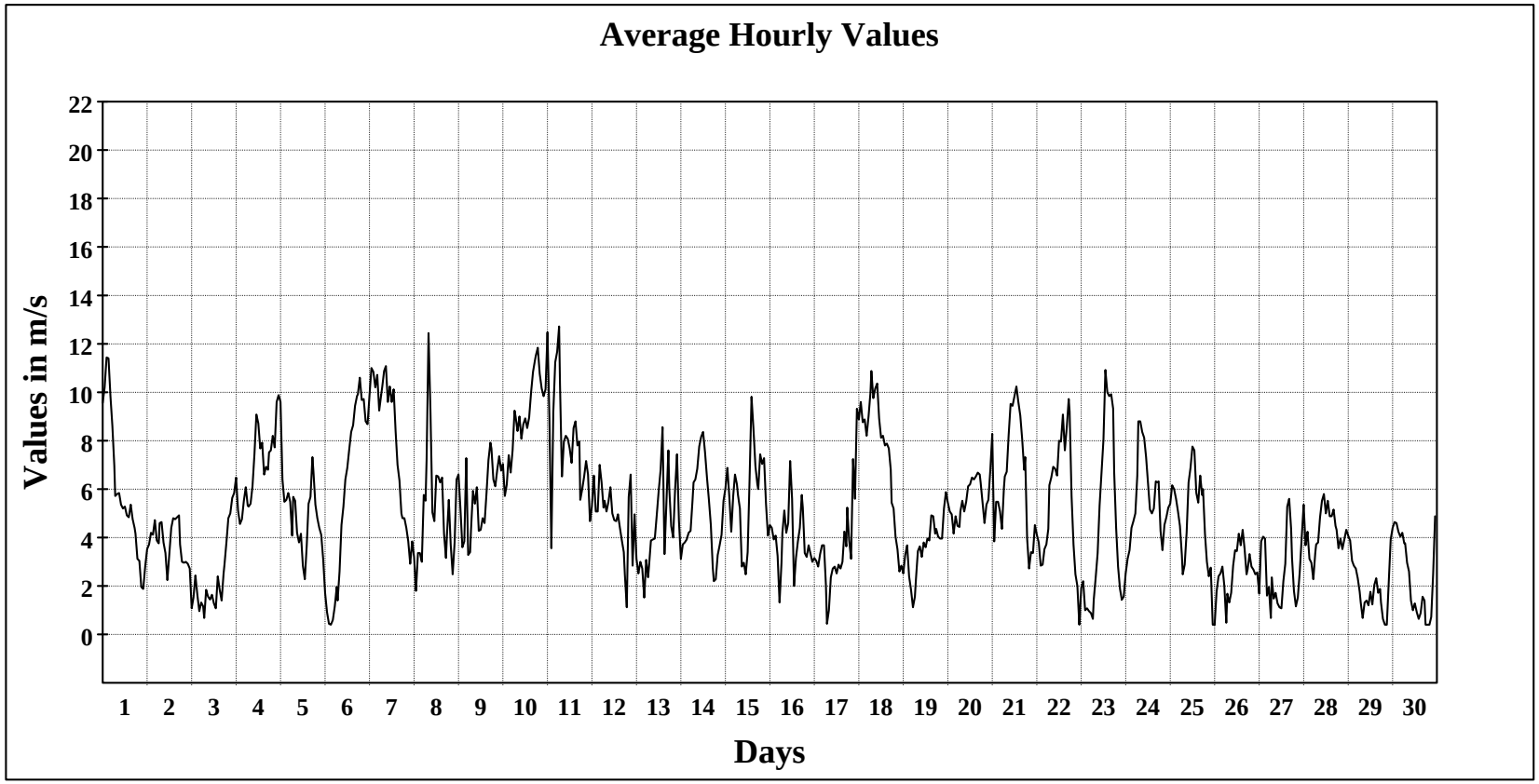
Average Value: 5.0

Site Information:
Project: Wind Hybrid Project
Location: Morris, MN
Elevation: 350 m

Sensor on channel 6:
NRG #40 Anem. m/s
Height: 30 m
Serial #: SN:

June 2004

Hourly Averages Graph, 30m, Ch 6
SITE 1080
WCROC



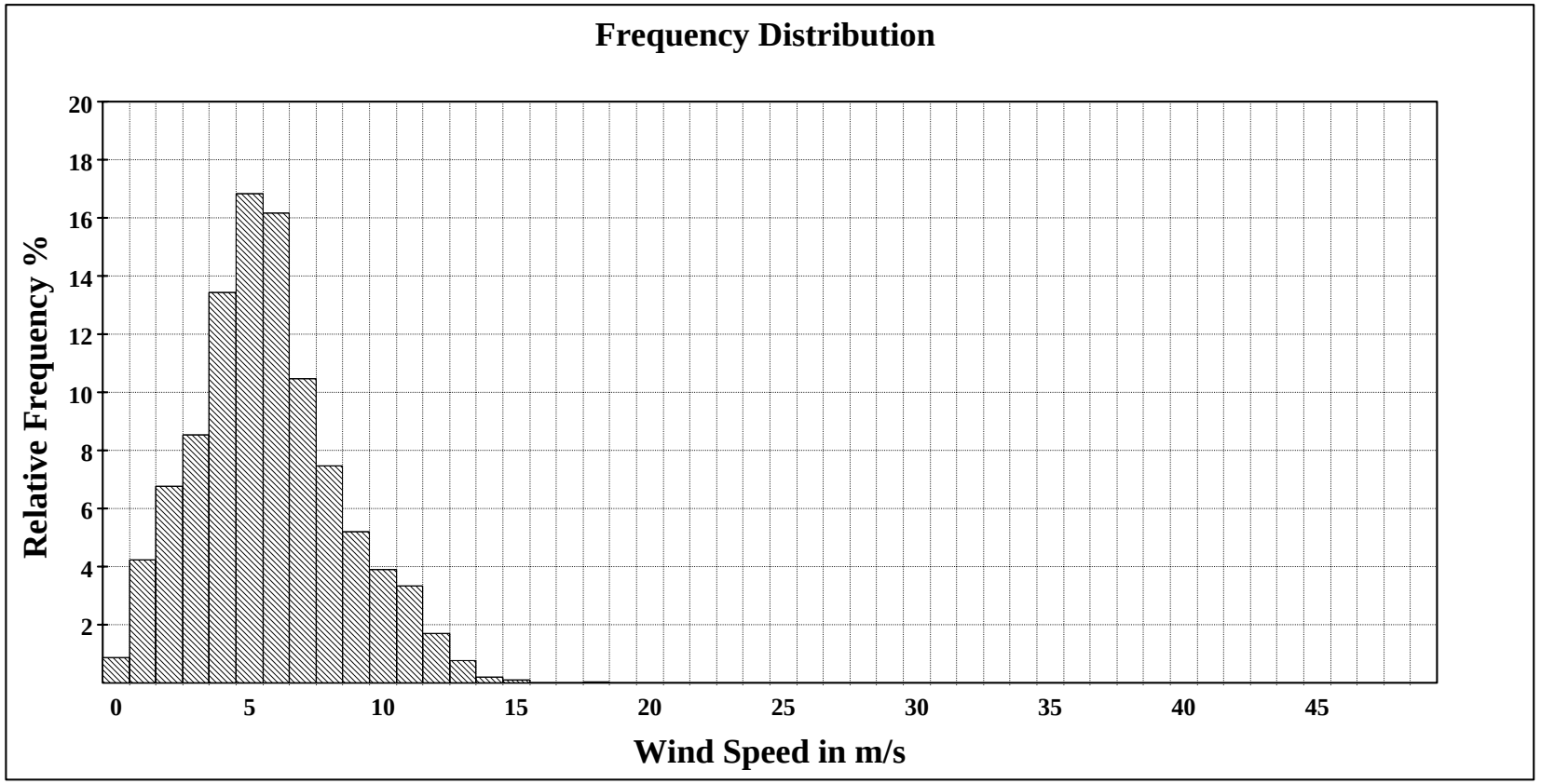
Average Value: 5.0

Site Information:
Project: Wind Hybrid Project
Location: Morris, MN
Elevation: 350 m

Sensor on channel 1:
NRG #40 Anem. m/s
Height: 50 m
Serial #: SN:

June 2004

Frequency Distribution, 50 m, Ch 1
SITE 1080
WCROC

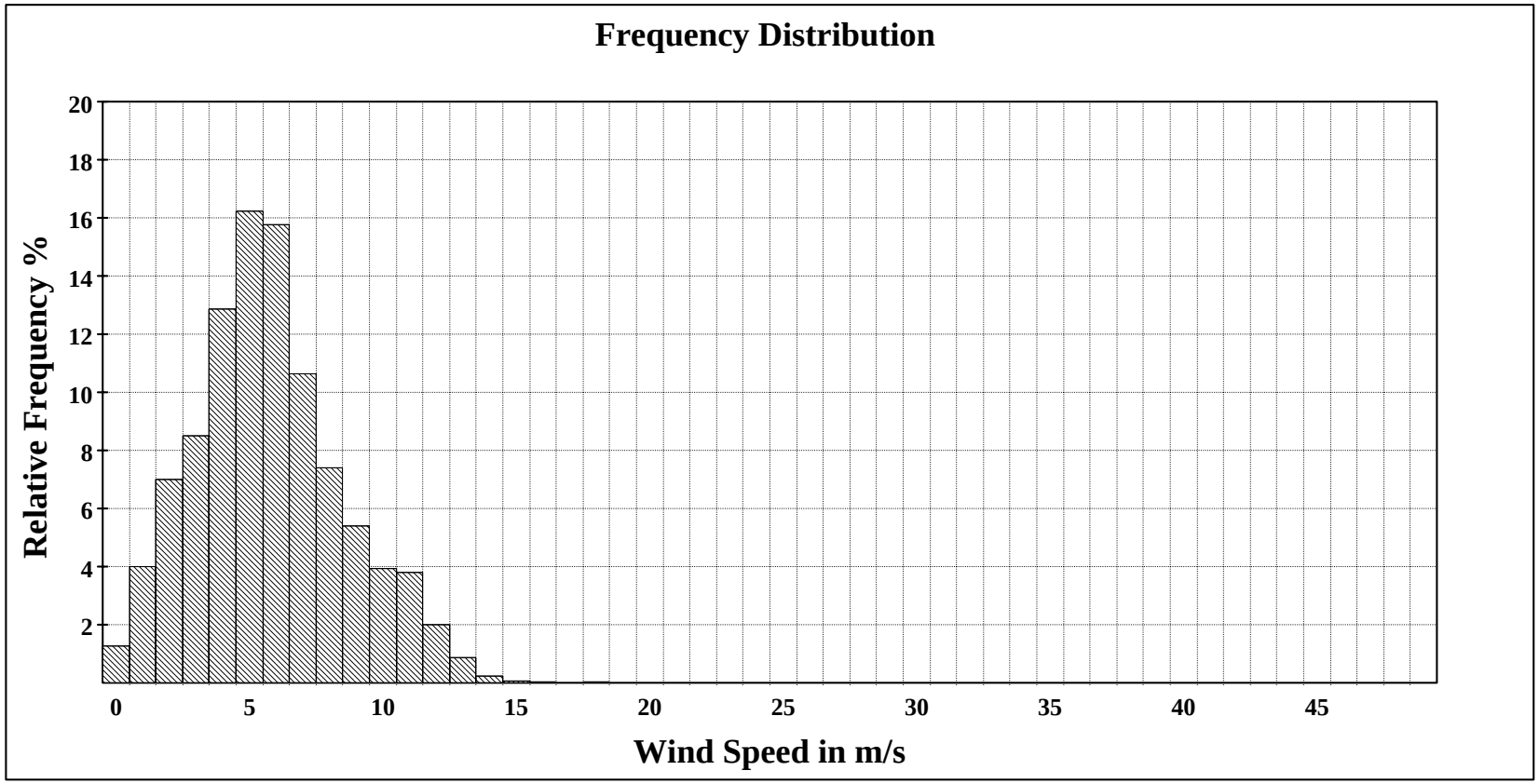


Site Information:
Project: Wind Hybrid Project
Location: Morris, MN
Elevation: 350 m

Sensor on channel 2:
NRG #40 Anem. m/s
Height: 50 m
Serial #: SN:

June 2004

Frequency Distribution, 50m, Ch 2
SITE 1080
WCROC

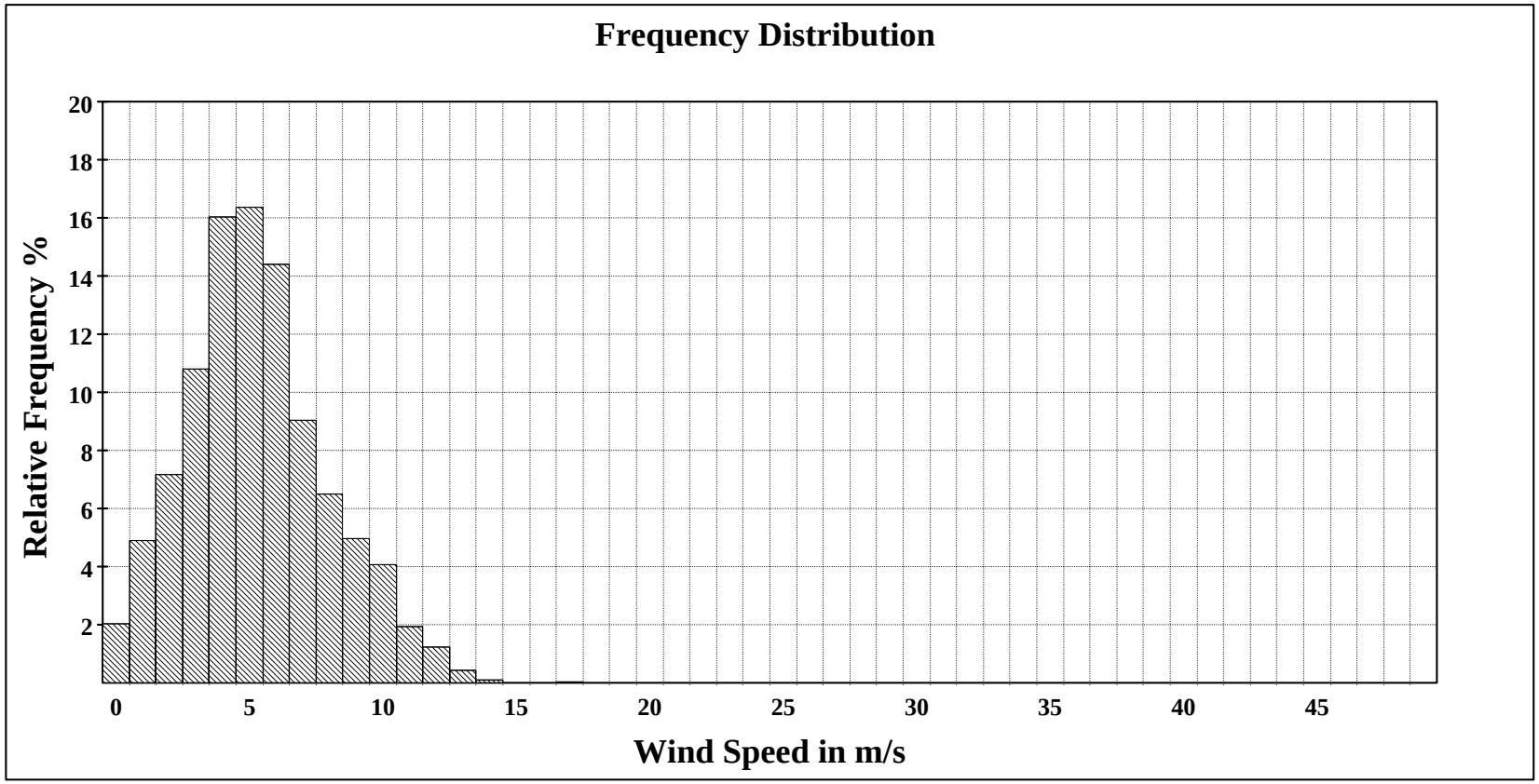


Site Information:
Project: Wind Hybrid Project
Location: Morris, MN
Elevation: 350 m

Sensor on channel 3:
NRG #40 Anem. m/s
Height: 40 m
Serial #: SN:

June 2004

Frequency Distribution, 40m, Ch 3
SITE 1080
WCROC

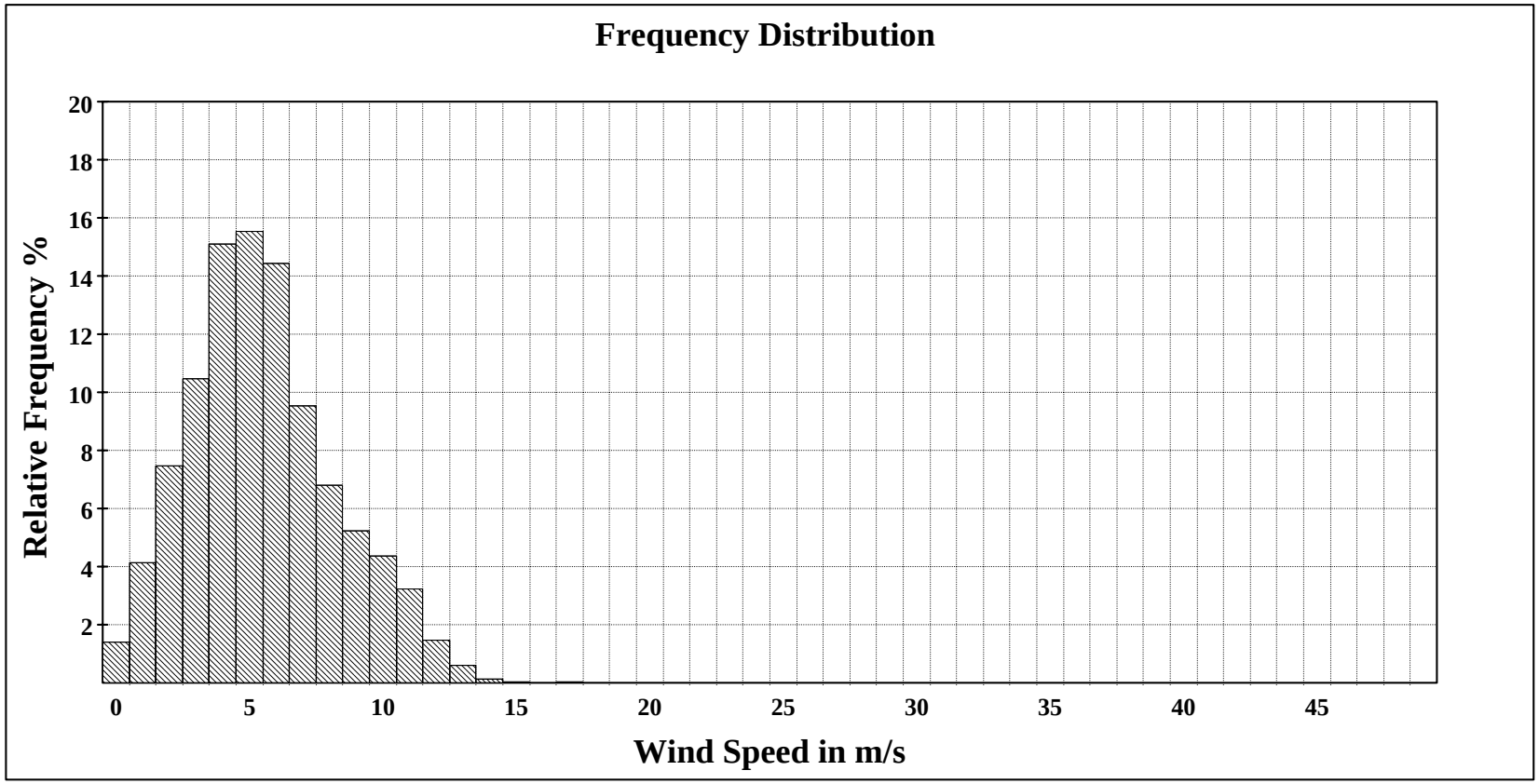


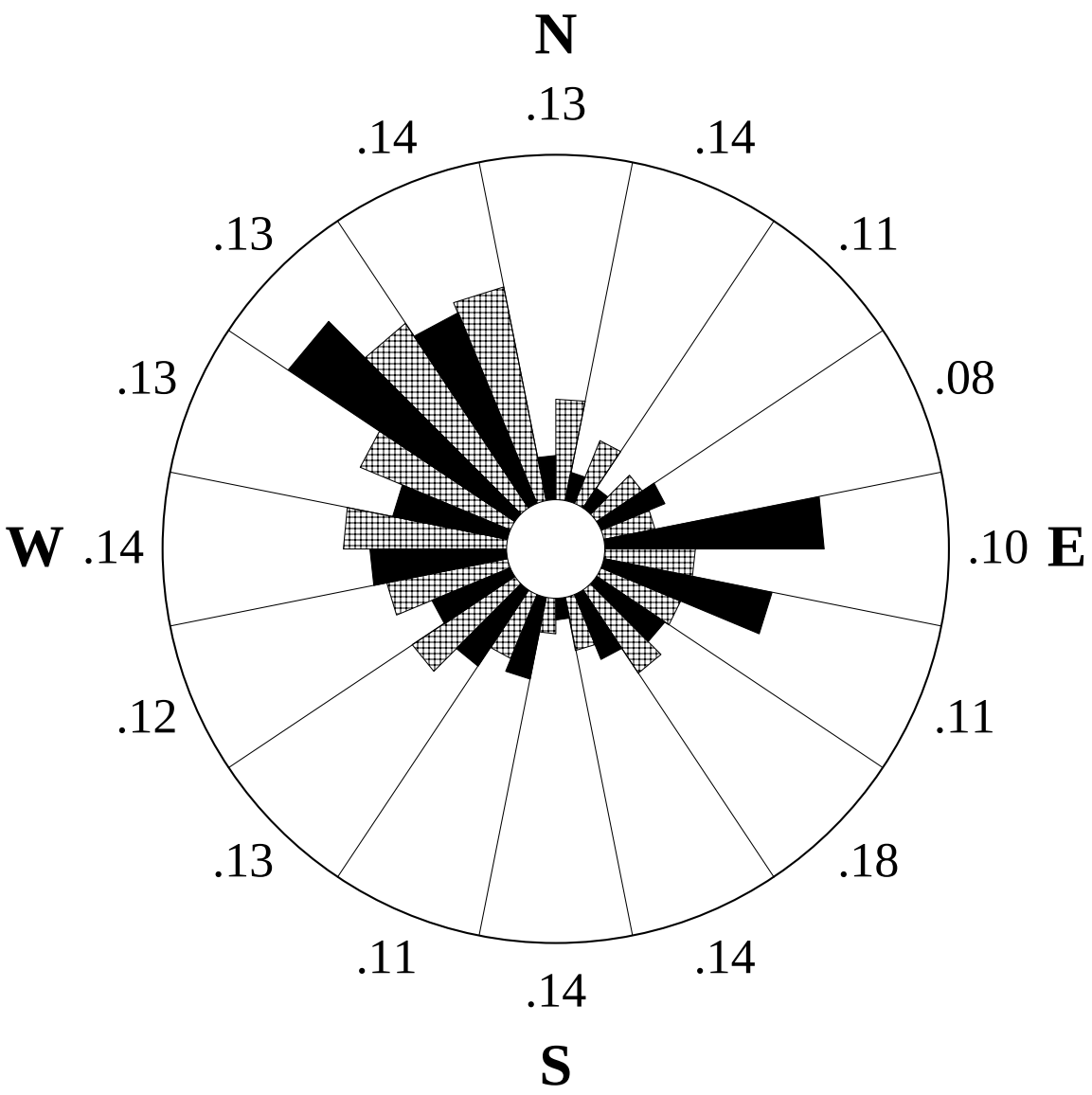
Site Information:
Project: Wind Hybrid Project
Location: Morris, MN
Elevation: 350 m

Sensor on channel 4:
NRG #40 Anem. m/s
Height: 40 m
Serial #: SN:

June 2004

Frequency Distribution, 40m, Ch 4
SITE 1080
WCROC





June 2004

Wind Rose, 50m, Ch 1, 7

SITE 1080

WCROC

Site Information:

Project: Wind Hybrid Project

Location: Morris, MN

Elevation: 350 m

Anemometer on channel 1:

NRG #40 Anem. m/s

Height: 50 m

Serial #: SN:

Vane on channel 7:

#200P Wind Vane

Height: 50 m

Serial #: SN:

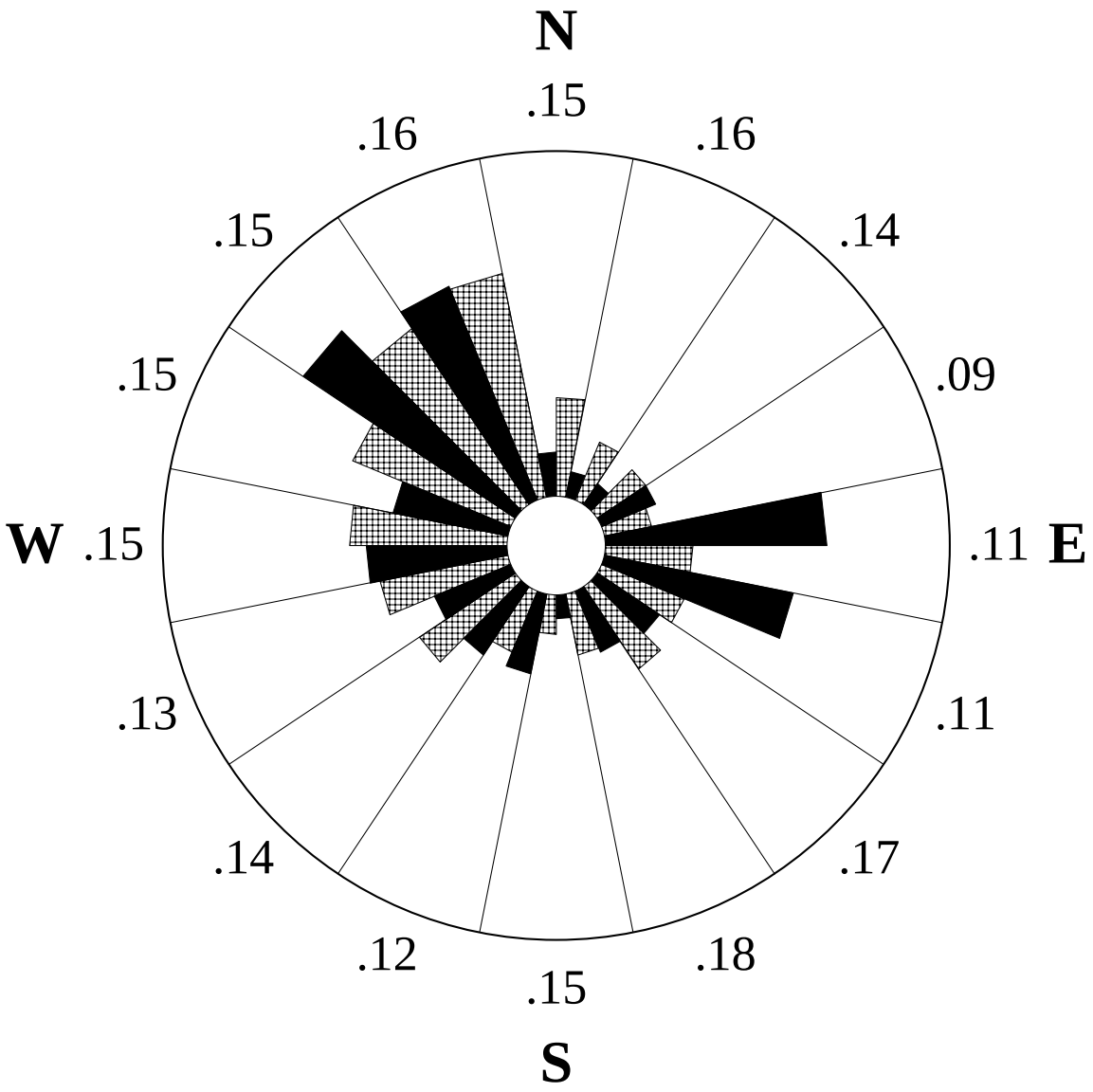
Outer Numbers are Average TIs for speeds greater than 4.5 m/s

Inner Circle = 0%

Outer Circle = 20%

Percent of Total Wind Energy

Percent of Total Time



June 2004

Wind Rose, 40 m, Ch 3, 8

SITE 1080

WCROC

Site Information:

Project: Wind Hybrid Project

Location: Morris, MN

Elevation: 350 m

Anemometer on channel 3:

NRG #40 Anem. m/s

Height: 40 m

Serial #: SN:

Vane on channel 8:

#200P Wind Vane

Height: 40 m

Serial #: SN:

Outer Numbers are Average TIs for speeds greater than 4.5 m/s

Inner Circle = 0%

Outer Circle = 20%

Percent of Total Wind Energy

Percent of Total Time