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 RECIP. NAME RECIPIENT AFFILIATION  
 MURLEY, T.E. Region 1, Office of Director

SUBJECT: "Radioactive Effluent Release Semi-Annual Rept, Jul-Dec 1983." W/840301 ltr.

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NINE MILE POINT NUCLEAR STATION / P.O. BOX 32 LYCOMING, NEW YORK 13093 / TELEPHONE (315) 343-2110

March 1, 1984

Dr. Thomas E. Murley  
Regional Administrator  
United States Nuclear Regulatory Commission  
Region I  
631 Park Avenue  
King of Prussia, Pennsylvania 19406

Re: Nine Mile Point Unit #1  
Docket No. 50-220  
DPR-63

Dear Dr. Murley:

In conformance with Paragraph 4.6.1b of the Environmental Technical Specifications for Nine Mile Point Nuclear Station Unit #1, we are enclosing the Radioactive Effluent Release Semi-Annual Report for the period July 1, 1983, through December 31, 1983. Also included is meteorological data in accordance with Regulatory Guide 1.23.

The format used for the effluent data is as outlined in Regulatory Guide 1.21. Distribution is in accordance with Regulatory Guide 10.1 and the Environmental Technical Specifications.

If you have any questions concerning the attached report, please contact James N. Duell, Supervisor Chemistry and Radiation Protection, at Nine Mile Point (315) 349-2426.

Very truly yours,

Thomas E. Lempges  
Vice President  
Nuclear Generation

Enclosures (2 copies)

cc: Director, Office of Nuclear Reactor Regulation (1)  
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Washington, D.C. 20555 (1)

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NINE MILE POINT NUCLEAR STATION

RADIOACTIVE EFFLUENT RELEASE

SEMI-ANNUAL REPORT

JULY - DECEMBER 1983

DOCKET NO.: 50-220

LICENSE NO.: DPR-63

NIAGARA MOHAWK POWER CORPORATION



NINE MILE POINT NUCLEAR STATION  
RADIOACTIVE EFFLUENT RELEASE SEMI-ANNUAL REPORT  
JULY - DECEMBER 1983

SUPPLEMENTAL INFORMATION

Facility: Nine Mile Point Unit #1

Licensee: Niagara Mohawk Power Corporation

1. Regulatory Limits

a) Fission and activation gases:

The release rate limit of noble gases from the site shall be:

$$\sum_i [Q'_{is}(1.6\bar{E}_{i\gamma} + 0.3\bar{E}_{i\beta}) + Q_{is}(2.7\bar{E}_{i\gamma} + 0.5\bar{E}_{i\beta}) + Q_{iv}(11.0\bar{E}_{i\gamma} + 24.0\bar{E}_{i\beta})] < 1$$

where  $Q'_{is}$  = release rate from Nine Mile Point Unit 1 main stack in Ci/sec (as elevated release)

$Q_{is}$  = release rate from the FitzPatrick main stack in Ci/sec (as elevated release)

$Q_{iv}$  = release rate from the FitzPatrick vents in Ci/sec (ground release)

$i$  = the individual nuclide

$\bar{E}_{\gamma}$  = the average gamma energy per disintegration

$\bar{E}_{\beta}$  = the average beta energy per disintegration

b&c) Iodines and particulates, half lives > 8 days:

The release rate limit of all radionuclides and radioactive materials in particulate form with half-lives greater than eight days, released to the environs as part of the gaseous wastes from the site shall be:

$$1.2 \times 10^4 (Q'_s + 0.08 Q_s + 5.5 Q_v) < 1$$

where  $Q'_s$  = release rate from Nine Mile Point Unit 1 main stack in Ci/sec (as elevated release)

$Q_s$  = release rate from the Fitzpatrick main stack in Ci/sec (as elevated release)

$Q_v$  = release rate from the FitzPatrick vents in Ci/sec (ground release)





d) Liquid Effluents:

1. Controlled in accordance with Appendix B, Table II Column 2, of 10 CFR 20 and Note 1 thereto.
2. Not to exceed 10 Ci/calendar quarter (excluding tritium and dissolved gases).
3. Not to exceed 20 Ci/12 consecutive months (excluding tritium and dissolved gases).

2. Maximum Permissible Concentrations

a) Fission and activation gases:

None specified

b&c) Iodines and particulates, half lives > 8 days:

None specified

d) Liquid Effluents:

10CFR 20, Appendix B, Table II, Column 2.  
AVE MPC (July-September) = no discharges  
AVE MPC (October-December) = no discharges

3. Average Energy (Fission and activation gases)

July-Sept.	$\bar{E}_\gamma = 0.222$ ; $\bar{E}_\beta = 0.497$
Oct-Dec.	$\bar{E}_\gamma = 0.217$ ; $\bar{E}_\beta = 0.289$

4. Measurements and Approximations of Total Radioactivity

Provide the methods used to measure or approximate the total radioactivity in effluents and the methods used to determine radionuclide composition.

- a) Fission and activation gas: On-line isotopic analysis (intrinsic germanium crystal) of an isokinetic sample stream.
- b) Iodines: Isotopic analysis (at least weekly) of charcoal cartridges manually or automatically sampled from an isokinetic sample stream.
- c) Particulates: Isotopic analysis (at least weekly) of particulate filters manually or automatically sampled from an isokinetic sample stream.
- d) Liquid Effluents: Isotopic Analysis (GeLi) of a representative sample of each batch.

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## 5. Batch Releases

Provide the following information relating to batch releases of radioactive materials in liquid and gaseous effluents.

### a) Liquid

1. Number of batch releases: 0
2. Total time period for batch releases: 0 hours 0 min.
3. Maximum time period for a batch release: 0 hours 0 min.
4. Average time period for a batch release: 0 hours 0 min.
5. Minimum time period for a batch release: 0 hours 0 min.
6. Average stream flow during period of release of effluent into a flowing stream: Not Applicable

### b) Gaseous

Not applicable

## 6. Abnormal Releases

- a. Liquids - none
- b. Gaseous - none



TABLE 1A

RADIOACTIVE EFFLUENT RELEASE SEMI-ANNUAL REPORT (1983)  
NINE MILE POINT NUCLEAR STATION #1  
GASEOUS EFFLUENTS-SUMMATION OF ALL RELEASES

	<u>UNIT</u>	<u>3rd</u> <u>QUARTER</u>	<u>4th</u> <u>QUARTER</u>	<u>EST. TOTAL</u> <u>ERROR, %</u>
<b>A. <u>Fission &amp; Activation gases</u></b>				
1. Total release	Ci	3.96E+01	2.19E+02	2.0E+01
2. Average release rate for period	μCi/sec	4.98E+00	2.76E+01	
3. Percent of Technical Specification limit	%	*	*	
<b>B. <u>Iodines</u></b>				
1. Total iodine-131	Ci	2.69E-03	1.56E-03	2.0E+01
2. Average release rate for period	μCi/sec	3.38E-04	1.96E-04	
3. Percent of Technical Specification limit	%	*	*	
<b>C. <u>Particulates</u></b>				
1. Particulates with half- lives >8 days	Ci	2.05E-03	1.62E-03	2.0E+01
2. Average release rate for period	μCi/sec	2.58E-04	2.04E-04	
3. Percent of Technical Specification limit	%	*	*	
4. Gross alpha radio- activity	Ci	6.61E-06	1.91E-05	
<b>D. <u>Tritium</u></b>				
1. Total release	Ci	2.72E+01	6.62E+00	2.0E+01
2. Average release rate for period	μCi/sec	3.42E-00	8.33E-01	
3. Percent of Technical Specification limit	%	None Specified		

**E.\* Percent of Technical Specification Limits**Fission and activation gases

1. NMP-1 elevated release	%	2.50E-04	1.20E-03
2. JAF elevated release	%	6.47E-02	7.71E-01
3. JAF ground-level release	%	2.86E-01	2.25E-01
4. Total Site Release	%	3.51E-01	9.97E-01

Halogens and particulates with half-lives greater than 8 days:

5. NMP-1 elevated release	%	7.15E-04	4.80E-04
6. JAF elevated release	%	2.08E-04	2.03E-03
7. JAF ground-level release	%	8.88E-03	2.04E-02
8. Total Site Release	%	9.80E-03	2.29E-02



TABLE 1B

RADIOACTIVE EFFLUENT RELEASE SEMI-ANUAL REPORT (1983)  
 NINE MILE POINT NUCLEAR STATION #1  
 GASEOUS EFFLUENTS-ELEVATED RELEASE

		CONTINUOUS MODE	
	<u>Unit</u>	<u>3rd Quarter</u>	<u>4th Quarter</u>
Nuclides Released			
1. <u>Fission Gases</u>			
krypton-85m	Ci	2.34E-01	1.14E+01
krypton-87	Ci	-	-
krypton-88	Ci	-	-
xenon-133	Ci	6.71E+00	1.33E+02
xenon-135	Ci	2.21E+01	2.90E+01
xenon-135m	Ci	3.64E+00	1.31E+01
xenon-137	Ci	6.93E+00	1.18E+01
xenon-138	Ci	-	2.08E+01
Total for period	Ci	3.96E+01	2.19E+02
2. <u>Iodines</u>			
iodine-131	Ci	2.69E-03	1.56E-03
iodine-133	Ci	1.87E-02	1.37E-02
iodine-135	Ci	1.49E-02	2.23E-02
Total for period	Ci	3.63E-02	3.76E-02
3. <u>Particulates</u>			
strontium-89	Ci	4.68E-04	2.50E-04
strontium-90	Ci	2.22E-06	2.01E-06
cesium-134	Ci	-	-
cesium-137	Ci	1.84E-04	1.80E-04
cobalt-60	Ci	1.31E-03	1.01E-03
cobalt-58	Ci	-	-
manganese-54	Ci	-	-
barium-lanthanum-140	Ci	8.18E-05	1.30E-04
antimony-125	Ci	-	4.59E-05
niobium-95	Ci	-	-
cerium-141	Ci	-	-
cerium-144	Ci	-	-
iron-59	Ci	-	-
cesium-136	Ci	-	-
chromium-51	Ci	-	-





TABLE 1C

RADIOACTIVE EFFLUENT RELEASE SEMI-ANNUAL REPORT (1983)  
GASEOUS EFFLUENTS-GROUND LEVEL RELEASES

July - December

There were no ground-level releases from the Nine Mile Point Nuclear Station Unit #1 during the period July-December 1983.



TABLE 2A

RADIOACTIVE EFFLUENT RELEASE SEMI-ANNUAL REPORT (1983)  
NINE MILE POINT NUCLEAR STATION #1  
LIQUID EFFLUENTS-SUMMATION OF ALL RELEASES

July - December

There were no liquid effluent releases from the Nine Mile Point Nuclear Station Unit #1 during the period July-December 1983.



TABLE 3

RADIOACTIVE EFFLUENT RELEASE SEMI-ANNUAL REPORT (1983)  
NINE MILE POINT NUCLEAR STATION #1  
SOLID WASTE AND IRRADIATED FUEL SHIPMENTS

A. Solid Waste Shipped Off-Site for Burial or Disposal (Not irradiated fuel)

1. <u>Type of Waste</u>	<u>Unit</u>	<u>July - Dec.</u>	<u>Est.Total Error, %</u>
a. Evaporator Bottom	m <sup>3</sup>	None	
	Ci	-----	-----
Resin or Filter Sludge	m <sup>3</sup>	6.49E+01	
	Ci	1.81E+02	2.5E+01
Liquid Waste	m <sup>3</sup>	None	
	Ci	-----	-----
b. Dry Compressible Waste or Contaminated Equipment	m <sup>3</sup>	3.80E+02	
	Ci	5.65E+00	2.5E+01
c. Irradiated Components	m <sup>3</sup>	9.73E+00	
	Ci	5.37E+04	2.5E+01

2. Estimate of Major Nuclide Composition (by type of waste)

a. Evaporator Bottoms - Resins - Filter Sludges		
Cobalt-60	%	6.35E+01
Cesium-137	%	2.50E+01
Chromium-51	%	3.20E+00
Manganese-54	%	2.30E+00
Lanthanum-140	%	2.30E+00
Cesium-134	%	2.20E+00
Cobalt-58	%	1.50E+00
b. Dry Compressible Waste		
Cobalt-60	%	6.42E+01
Cesium-137	%	3.15E+01
Cesium-134	%	2.64E+00
Manganese-54	%	1.66E+00
c. Irradiated Components (Control Blades and Poison Curtains)		
Cobalt-60	%	8.53E+01
Tritium-3	%	1.10E+01
Nickel-63	%	3.70E+00



3. Solid Waste Disposition

<u>Number of Shipments</u>	<u>Mode</u>	<u>Destination</u>
35	Truck	Chem-Nuclear Systems Barnwell, South Carolina
9	Truck	U.S. Ecology Hanford, Washington

B. IRRADIATED FUEL SHIPMENTS (Disposition)

<u>Number of Shipments</u>	<u>Mode of Transportation</u>	<u>Destination</u>
None	-----	-----





TABLE 4A

RADIOACTIVE EFFLUENT RELEASE SEMI-ANNUAL REPORT (1983)  
NINE MILE POINT NUCLEAR STATION #1  
HOURS AT EACH WIND SPEED AND DIRECTION

July - December

-See Attached Sheets-



\*\*\*\*\* LEGEND \*\*\*\*\*  
 % FREQUENCY OF WIND DIRECTION WITH WIND SPEED CATEGORY  
 \*\*\*\*\* BY STABILITY \*\*\*\*\*

JG120\*

SITE: NINE MILE UPPER: WIND SPEED UPPER 200FT AEROVANE  
 WIND DIRECTION UPPER 200FT AEROVANE  
 TEMPERATURE DIFFERENCE -- (200-27FT)

NINE MILE LOWER: WIND SPEED LOWER 30FT CUP  
 WIND DIRECTION LOWER 30FT CUP  
 TEMPERATURE DIFFERENCE -- (200-27FT)

STABILITY CLASS: PASQUILL STABILITY CATEGORIES - DEGC/100M

A - EXTREMELY UNSTABLE	LT -1.9
B - MODERATELY UNSTABLE	-1.8 TO -1.7
C - SLIGHTLY UNSTABLE	-1.6 TO -1.5
D - NEUTRAL	-1.4 TO -0.5
E - SLIGHTLY STABLE	-0.4 TO 1.5
F - MODERATELY STABLE	1.6 TO 4.0
G - EXTREMELY STABLE	GT 4.0
ALL - ALL STABILITIES (A-G)	ALL
( ) - ALL WIND	N/A

WIND CLASS: SIX WIND SPEED CATEGORIES -- (SEE TABLE HEADINGS) MPH

SIXTEEN WIND DIRECTION CATEGORIES -- 22.5 DEG

NOTE: THE DATA CAPTURE STATISTICS ARE GIVEN FOR EACH OF THE NINE CATEGORIES LISTED ABOVE.

CALM WINDS ARE LISTED IN THE 0-3 WIND SPEED CATEGORY.



# NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE LOWER (9)

DATA FOR JULY 1 1983 THROUGH SEPT 30 1983

JG120\*

STABILITY CLASS - A

% FREQUENCY (NO. OF OCCURRENCES) OF WIND DIRECTION WITHIN WIND SPEED CATEGORY

DIR	00-03	04-07	08-12	13-18	19-23	>24	TOTAL
N	0.3 ( 5)	1.1 ( 21)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	1.4 ( 26)
NNE	0.3 ( 5)	1.3 ( 24)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	1.6 ( 29)
NE	0.1 ( 1)	0.2 ( 3)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.2 ( 4)
ENE	0.0 ( 0)	0.2 ( 4)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.2 ( 4)
E	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
ESE	0.0 ( 0)	0.1 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.1 ( 1)
SE	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
SSE	0.0 ( 0)	0.1 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.1 ( 1)
S	0.0 ( 0)	0.0 ( 0)	0.1 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.1 ( 1)
SSW	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
SW	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
WSW	0.0 ( 0)	0.1 ( 1)	0.1 ( 2)	0.1 ( 2)	0.0 ( 0)	0.0 ( 0)	0.3 ( 5)
W	0.0 ( 0)	0.4 ( 8)	0.2 ( 4)	0.2 ( 3)	0.1 ( 2)	0.0 ( 0)	0.9 ( 17)
WNW	0.2 ( 3)	1.9 ( 35)	0.3 ( 6)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	2.4 ( 44)
NW	0.2 ( 4)	0.6 ( 12)	0.1 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.9 ( 17)
NNW	0.6 ( 12)	1.0 ( 18)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	1.6 ( 30)
TOTAL	1.6 ( 30)	6.9 ( 128)	0.7 ( 14)	0.3 ( 5)	0.1 ( 2)	0.0 ( 0)	9.6 ( 179)

FOR STABILITY CLASS - A

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 184

NUMBER OF MISSING WIND OBSERVATIONS: 5

NUMBER OF CALM HOURS: 0



# NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE LOWER (9)

DATA FOR JULY 1 1983 THROUGH SEPT 30 1983

JG120\*

STABILITY CLASS = B

% FREQUENCY (NO. OF OCCURRENCES) OF WIND DIRECTION WITHIN WIND SPEED CATEGORY

DIR	SPEED (MPH)						TOTAL
	00-03	04-07	08-12	13-18	19-23	>24	
N	0.3 ( 5)	0.2 ( 4)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.5 ( 9)
NNE	0.1 ( 2)	0.1 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.2 ( 3)
NE	0.1 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.1 ( 1)
ENE	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
E	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
ESE	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
SE	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
SSE	0.0 ( 0)	0.1 ( 1)	0.1 ( 2)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.2 ( 3)
S	0.0 ( 0)	0.0 ( 0)	0.2 ( 3)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.2 ( 3)
SSW	0.0 ( 0)	0.0 ( 0)	0.1 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.1 ( 1)
SW	0.0 ( 0)	0.0 ( 0)	0.1 ( 2)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.1 ( 2)
WSW	0.0 ( 0)	0.2 ( 3)	0.3 ( 5)	0.1 ( 1)	0.2 ( 4)	0.0 ( 0)	0.7 ( 13)
W	0.1 ( 1)	0.1 ( 2)	0.4 ( 7)	0.1 ( 2)	0.0 ( 0)	0.0 ( 0)	0.6 ( 12)
WNW	0.1 ( 1)	0.3 ( 6)	0.1 ( 1)	0.0 ( 0)	0.1 ( 2)	0.0 ( 0)	0.5 ( 10)
NNW	0.0 ( 0)	0.1 ( 1)	0.1 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.1 ( 2)
NHW	0.0 ( 0)	0.1 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.1 ( 1)
TOTAL	0.5 ( 10)	1.0 ( 19)	1.2 ( 22)	0.2 ( 3)	0.3 ( 6)	0.0 ( 0)	3.2 ( 60)

FOR STABILITY CLASS = B

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 62

NUMBER OF MISSING WIND OBSERVATIONS: 2

NUMBER OF CALM HOURS: 0





# NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE LOWER (9)

DATA FOR JULY 1 1983 THROUGH SEPT 30 1983

JG120\*

STABILITY CLASS - C

% FREQUENCY (NO. OF OCCURRENCES) OF WIND DIRECTION WITHIN WIND SPEED CATEGORY

DIR	SPEED (MPH)						TOTAL
	00-03	04-07	08-12	13-18	19-23	>24	
N	0.1 ( 2)	0.1 ( 2)	0.1 ( 2)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.3 ( 6)
NNE	0.3 ( 6)	0.3 ( 5)	0.1 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.6 ( 12)
NE	0.1 ( 2)	0.1 ( 2)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.2 ( 4)
ENE	0.0 ( 0)	0.0 ( 0)	0.1 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.1 ( 1)
E	0.1 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.1 ( 1)
ESE	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
SE	0.0 ( 0)	0.1 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.1 ( 1)
SSE	0.0 ( 0)	0.1 ( 2)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.1 ( 2)
S	0.0 ( 0)	0.0 ( 0)	0.1 ( 2)	0.1 ( 1)	0.0 ( 0)	0.0 ( 0)	0.2 ( 3)
SSW	0.0 ( 0)	0.1 ( 1)	0.1 ( 2)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.2 ( 3)
SW	0.0 ( 0)	0.0 ( 0)	0.2 ( 3)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.2 ( 3)
WSW	0.0 ( 0)	0.1 ( 2)	0.9 ( 16)	0.1 ( 2)	0.1 ( 1)	0.0 ( 0)	1.1 ( 21)
W	0.0 ( 0)	0.3 ( 5)	0.6 ( 11)	0.3 ( 5)	0.1 ( 2)	0.1 ( 1)	1.3 ( 24)
WNW	0.0 ( 0)	0.3 ( 6)	0.3 ( 5)	0.3 ( 5)	0.1 ( 2)	0.1 ( 1)	1.0 ( 19)
NW	0.1 ( 1)	0.0 ( 0)	0.1 ( 1)	0.1 ( 1)	0.0 ( 0)	0.0 ( 0)	0.2 ( 3)
NNW	0.1 ( 1)	0.1 ( 2)	0.2 ( 3)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.3 ( 6)

TOTAL 0.7 ( 13) 1.5 ( 28) 2.9 ( 47) 0.7 ( 14) 0.3 ( 5) 0.1 ( 2) 5.8 ( 109)

FOR STABILITY CLASS - C

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 110

NUMBER OF MISSING WIND OBSERVATIONS: 1

NUMBER OF CALM HOURS: 0



# NIAGARA HONAWK

## OSWEGO AMBIENT AIR MONITORING

SITE: NINE MILE LOWER (9) DATA FOR JULY 1 1983 THROUGH SEPT 30 1983

JG120\*

### STABILITY CLASS - D

#### % FREQUENCY (NO. OF OCCURRENCES) OF WIND DIRECTION WITHIN WIND SPEED CATEGORY

DIR	SPEED (MPH)						TOTAL
	00-03	04-07	08-12	13-18	19-23	>24	
N	0.2 ( 3)	0.7 ( 13)	0.1 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.9 ( 17)
NNE	0.5 ( 9)	0.3 ( 5)	0.2 ( 3)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.9 ( 17)
NE	0.4 ( 7)	0.4 ( 7)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.7 ( 14)
ENE	0.3 ( 5)	0.2 ( 3)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.4 ( 8)
E	0.1 ( 2)	0.3 ( 6)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.4 ( 8)
ESE	0.0 ( 0)	0.4 ( 8)	0.2 ( 3)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.6 ( 11)
SE	0.1 ( 1)	0.2 ( 3)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.2 ( 4)
SSE	0.3 ( 6)	1.0 ( 19)	0.6 ( 11)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	1.9 ( 36)
S	0.0 ( 0)	1.0 ( 19)	1.3 ( 25)	0.1 ( 1)	0.0 ( 0)	0.0 ( 0)	2.4 ( 45)
SSW	0.0 ( 0)	0.6 ( 11)	0.5 ( 9)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	1.1 ( 20)
SW	0.1 ( 1)	0.5 ( 9)	0.7 ( 14)	0.1 ( 1)	0.0 ( 0)	0.0 ( 0)	1.3 ( 25)
WSW	0.2 ( 4)	1.7 ( 31)	2.6 ( 48)	1.5 ( 28)	0.2 ( 3)	0.0 ( 0)	6.1 ( 114)
W	0.3 ( 5)	0.5 ( 9)	1.6 ( 29)	2.0 ( 37)	0.8 ( 15)	0.0 ( 0)	5.1 ( 95)
WNW	0.3 ( 6)	1.0 ( 18)	1.3 ( 25)	0.7 ( 13)	0.2 ( 4)	0.0 ( 0)	3.5 ( 66)
NW	0.2 ( 3)	0.2 ( 4)	0.2 ( 3)	0.1 ( 1)	0.0 ( 0)	0.0 ( 0)	0.6 ( 11)
NNW	0.3 ( 5)	0.2 ( 4)	0.1 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.5 ( 10)
TOTAL	3.1 ( 57)	9.1 ( 169)	9.2 ( 172)	4.3 ( 81)	1.2 ( 22)	0.0 ( 0)	26.8 ( 501)

FOR STABILITY CLASS - D

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 504

NUMBER OF MISSING WIND OBSERVATIONS: 3

NUMBER OF CALM HOURS: 0



# NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE LOWER (9)

DATA FOR JULY 1 1983 THROUGH SEPT 30 1983

JG120\*

STABILITY CLASS - E

% FREQUENCY (NO. OF OCCURRENCES) OF WIND DIRECTION WITHIN WIND SPEED CATEGORY

DIR	SPEED (MPH)						TOTAL
	00-03	04-07	08-12	13-18	19-23	>24	
N	0.3 ( 5)	0.5 ( 10)	0.0 ( 0)	0.1 ( 1)	0.0 ( 0)	0.0 ( 0)	0.9 ( 16)
NNE	0.6 ( 12)	1.3 ( 25)	0.1 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	2.0 ( 38)
NE	0.4 ( 8)	0.7 ( 13)	0.2 ( 3)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	1.3 ( 24)
ENE	1.0 ( 19)	1.2 ( 22)	0.1 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	2.2 ( 42)
E	0.7 ( 14)	0.7 ( 13)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	1.4 ( 27)
ESE	0.4 ( 8)	1.2 ( 22)	0.3 ( 5)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	1.9 ( 35)
SE	0.3 ( 6)	1.2 ( 23)	0.7 ( 13)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	2.2 ( 42)
SSE	0.4 ( 8)	2.3 ( 43)	1.0 ( 18)	0.1 ( 1)	0.0 ( 0)	0.0 ( 0)	3.7 ( 70)
S	0.4 ( 8)	3.3 ( 62)	1.6 ( 29)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	5.3 ( 99)
SSW	0.1 ( 1)	1.5 ( 28)	0.6 ( 12)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	2.2 ( 41)
SW	0.1 ( 2)	0.9 ( 16)	1.0 ( 19)	0.1 ( 2)	0.0 ( 0)	0.0 ( 0)	2.1 ( 39)
WSW	0.2 ( 3)	0.9 ( 17)	1.9 ( 36)	0.5 ( 9)	0.3 ( 6)	0.0 ( 0)	3.8 ( 71)
W	0.1 ( 1)	0.3 ( 5)	0.4 ( 8)	0.5 ( 10)	0.2 ( 4)	0.0 ( 0)	1.5 ( 28)
NNW	0.1 ( 2)	0.5 ( 9)	0.3 ( 6)	0.2 ( 3)	0.1 ( 1)	0.0 ( 0)	1.1 ( 21)
NW	0.1 ( 1)	0.1 ( 2)	0.0 ( 0)	0.1 ( 1)	0.0 ( 0)	0.0 ( 0)	0.2 ( 4)
NNW	0.0 ( 0)	0.1 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.1 ( 1)
TOTAL	5.2 ( 98)	16.7 ( 311)	8.1 ( 151)	1.4 ( 27)	0.6 ( 11)	0.0 ( 0)	32.0 ( 598)

FOR STABILITY CLASS - E

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 605

NUMBER OF MISSING WIND OBSERVATIONS: 7

NUMBER OF CALM HOURS: 0



# NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE LOWER (9)

DATA FOR JULY 1 1983 THROUGH SEPT 30 1983

JG120\*

STABILITY CLASS = F

% FREQUENCY (NO. OF OCCURRENCES) OF WIND DIRECTION WITHIN WIND SPEED CATEGORY

DIR	SPEED (MPH)						TOTAL
	00-03	04-07	08-12	13-18	19-23	>24	
N	0.0 ( 0)	0.1 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.1 ( 1)
NNE	0.2 ( 4)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.2 ( 4)
NE	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
ENE	0.3 ( 6)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.3 ( 6)
E	0.5 ( 9)	0.3 ( 5)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.7 ( 14)
ESE	1.1 ( 21)	0.6 ( 12)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	1.8 ( 33)
SE	0.5 ( 9)	0.4 ( 7)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.9 ( 16)
SSE	0.5 ( 9)	1.4 ( 26)	0.2 ( 3)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	2.0 ( 38)
S	0.6 ( 12)	2.0 ( 38)	0.4 ( 7)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	3.1 ( 57)
SSW	0.3 ( 5)	0.3 ( 6)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.6 ( 11)
SW	0.1 ( 1)	0.2 ( 3)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.2 ( 4)
WSW	0.0 ( 0)	0.1 ( 2)	0.1 ( 2)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.2 ( 4)
W	0.0 ( 0)	0.1 ( 2)	0.1 ( 1)	0.1 ( 1)	0.0 ( 0)	0.0 ( 0)	0.2 ( 4)
WNW	0.0 ( 0)	0.1 ( 2)	0.1 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.2 ( 3)
NW	0.1 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.1 ( 1)
NNW	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
TOTAL	4.1 ( 77)	5.6 ( 104)	0.7 ( 14)	0.1 ( 1)	0.0 ( 0)	0.0 ( 0)	10.5 ( 196)

FOR STABILITY CLASS = F

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 196

NUMBER OF MISSING WIND OBSERVATIONS: 2

NUMBER OF CALM HOURS: 0





# NIAGARA MOHAWK

## OSWEGO AMBIENT AIR MONITORING

SITE: NINE MILE LOWER (9)

DATA FOR JULY 1 1983 THROUGH SEPT 30 1983

JG120\*

### STABILITY CLASS - G

#### % FREQUENCY (NO. OF OCCURRENCES) OF WIND DIRECTION WITHIN WIND SPEED CATEGORY

DIR	SPEED (MPH)						TOTAL
	00-03	04-07	08-12	13-18	19-23	>24	
N	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
NNE	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
NE	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
ENE	0.1 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.1 ( 1)
E	0.7 ( 13)	0.1 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.7 ( 14)
ESE	1.9 ( 36)	1.6 ( 30)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	3.5 ( 66)
SE	1.2 ( 22)	1.5 ( 28)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	2.7 ( 50)
SSE	0.9 ( 16)	2.3 ( 43)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	3.2 ( 59)
S	0.1 ( 2)	1.4 ( 26)	0.1 ( 2)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	1.6 ( 30)
SSW	0.1 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.1 ( 1)
SW	0.0 ( 0)	0.0 ( 0)	0.1 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.1 ( 1)
WSW	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
W	0.1 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.1 ( 1)
NNW	0.1 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.1 ( 1)
NW	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
NNW	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
TOTAL	5.0 ( 93)	6.9 ( 128)	0.2 ( 3)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	12.0 ( 224)

FOR STABILITY CLASS - G

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 235

NUMBER OF MISSING WIND OBSERVATIONS: 11

NUMBER OF CALM HOURS: 0



# NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE LOWER (9)

DATA FOR JULY 1 1983 THROUGH SEPT 30 1983

UG120\*

STABILITY CLASS - ALL

% FREQUENCY (NO. OF OCCURRENCES) OF WIND DIRECTION WITHIN WIND SPEED CATEGORY

DIR	SPEED (MPH)						TOTAL
	00-03	04-07	08-12	13-18	19-23	>24	
N	1.1 ( 20)	2.7 ( 51)	0.2 ( 3)	0.1 ( 1)	0.0 ( 0)	0.0 ( 0)	4.0 ( 75)
NNE	2.0 ( 38)	3.2 ( 60)	0.3 ( 5)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	5.5 ( 103)
NE	1.0 ( 19)	1.3 ( 25)	0.2 ( 3)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	2.5 ( 47)
ENE	1.7 ( 31)	1.6 ( 29)	0.1 ( 2)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	3.3 ( 62)
E	2.1 ( 39)	1.3 ( 25)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	3.4 ( 64)
ESE	3.5 ( 65)	3.9 ( 73)	0.4 ( 8)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	7.8 ( 146)
SE	2.0 ( 38)	3.3 ( 62)	0.7 ( 13)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	6.1 ( 113)
SSE	2.1 ( 39)	7.2 ( 135)	1.8 ( 34)	0.1 ( 1)	0.0 ( 0)	0.0 ( 0)	11.2 ( 209)
S	1.2 ( 22)	7.8 ( 145)	3.7 ( 69)	0.1 ( 2)	0.0 ( 0)	0.0 ( 0)	12.7 ( 238)
SSW	0.4 ( 7)	2.5 ( 46)	1.3 ( 24)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	4.1 ( 77)
SW	0.2 ( 4)	1.5 ( 28)	2.1 ( 39)	0.2 ( 3)	0.0 ( 0)	0.0 ( 0)	4.0 ( 74)
WSW	0.4 ( 7)	3.0 ( 56)	5.8 ( 109)	2.2 ( 42)	0.7 ( 14)	0.0 ( 0)	12.2 ( 228)
W	0.4 ( 8)	1.7 ( 31)	3.2 ( 60)	3.1 ( 58)	1.2 ( 23)	0.1 ( 1)	9.7 ( 181)
WNW	0.7 ( 13)	4.1 ( 76)	2.4 ( 44)	1.1 ( 21)	0.5 ( 9)	0.1 ( 1)	8.8 ( 164)
NW	0.5 ( 10)	1.0 ( 19)	0.3 ( 8)	0.2 ( 3)	0.0 ( 0)	0.0 ( 0)	2.0 ( 38)
NNW	1.0 ( 18)	1.4 ( 26)	0.2 ( 4)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	2.6 ( 48)
TOTAL	20.2 ( 378)	47.5 ( 887)	22.7 ( 423)	7.0 ( 131)	2.5 ( 46)	0.1 ( 2)	100.0 ( 1867)

FOR STABILITY CLASS - ALL

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 1898

NUMBER OF MISSING WIND OBSERVATIONS: 31

NUMBER OF CALM HOURS: 0



# NIAGARA HONAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE LOWER (9)

DATA FOR JULY 1 1983 THROUGH SEPT 30 1983

JG120\*

## % FREQUENCY (NO. OF OCCURRENCES) OF WIND DIRECTION WITHIN WIND SPEED CATEGORY

DIR	SPEED (MPH)						TOTAL
	00-03	04-07	08-12	13-18	19-23	>24	
N	1.1 ( 20)	2.7 ( 51)	0.2 ( 3)	0.1 ( 1)	0.0 ( 0)	0.0 ( 0)	4.0 ( 75)
NNE	2.0 ( 38)	3.2 ( 60)	0.3 ( 5)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	5.5 ( 103)
NE	1.0 ( 19)	1.3 ( 25)	0.2 ( 3)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	2.5 ( 47)
ENE	1.7 ( 31)	1.6 ( 29)	0.1 ( 2)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	3.3 ( 62)
E	2.1 ( 39)	1.3 ( 25)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	3.4 ( 64)
ESE	3.5 ( 65)	3.9 ( 73)	0.4 ( 8)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	7.8 ( 146)
SE	2.0 ( 38)	3.3 ( 62)	0.7 ( 13)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	6.0 ( 113)
SSE	2.1 ( 39)	7.2 ( 135)	1.8 ( 34)	0.1 ( 1)	0.0 ( 0)	0.0 ( 0)	11.2 ( 209)
S	1.2 ( 22)	7.8 ( 145)	3.7 ( 69)	0.1 ( 2)	0.0 ( 0)	0.0 ( 0)	12.7 ( 238)
SSW	0.4 ( 7)	2.5 ( 46)	1.3 ( 24)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	4.1 ( 77)
SW	0.2 ( 4)	1.5 ( 28)	2.1 ( 39)	0.2 ( 3)	0.0 ( 0)	0.0 ( 0)	4.0 ( 74)
WSW	0.4 ( 7)	3.0 ( 56)	5.9 ( 111)	2.2 ( 42)	0.7 ( 14)	0.0 ( 0)	12.3 ( 230)
W	0.4 ( 8)	1.7 ( 31)	3.2 ( 60)	3.1 ( 58)	1.2 ( 23)	0.1 ( 1)	9.7 ( 181)
WNW	0.7 ( 13)	4.1 ( 76)	2.4 ( 44)	1.1 ( 21)	0.5 ( 9)	0.1 ( 1)	8.8 ( 164)
NW	0.5 ( 10)	1.0 ( 19)	0.3 ( 6)	0.2 ( 3)	0.0 ( 0)	0.0 ( 0)	2.0 ( 38)
NNW	1.0 ( 18)	1.4 ( 26)	0.2 ( 4)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	2.6 ( 48)
TOTAL	20.2 ( 378)	47.5 ( 887)	22.7 ( 425)	7.0 ( 131)	2.5 ( 46)	0.1 ( 2)	100.0 ( 1869)

FOR ALL WIND CATEGORIES

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 2208

NUMBER OF MISSING WIND OBSERVATIONS: 339

NUMBER OF CALM HOURS: 0



\*\*\*\*\* LEGEND \*\*\*\*\*  
 % FREQUENCY OF WIND DIRECTION WITHIN WIND SPEED CATEGORY  
 \*\*\*\*\* BY STABILITY \*\*\*\*\*

JG120\*

SITE: NINE MILE UPPER: WIND SPEED UPPER - 200FT AEROVANE  
 WIND DIRECTION UPPER - 200FT AEROVANE  
 TEMPERATURE DIFFERENCE - (200-27FT)

NINE MILE LOWER: WIND SPEED LOWER - 30FT CUP  
 WIND DIRECTION LOWER - 30FT CUP  
 TEMPERATURE DIFFERENCE - (200-27FT)

STABILITY CLASS: PASQUILL STABILITY CATEGORIES - DEGC/100H

A - EXTREMELY UNSTABLE	LT -1.9
B - MODERATELY UNSTABLE	-1.8 TO -1.7
C - SLIGHTLY UNSTABLE	-1.6 TO -1.5
D - NEUTRAL	-1.4 TO -0.5
E - SLIGHTLY STABLE	-0.4 TO 1.5
F - MODERATELY STABLE	1.6 TO 4.0
G - EXTREMELY STABLE	GT 4.0
ALL - ALL STABILITIES (A-G)	ALL
( ) - ALL WIND	N/A

WIND CLASS: SIX WIND SPEED CATEGORIES - (SEE TABLE HEADINGS) MPH

SIXTEEN WIND DIRECTION CATEGORIES - 22.5 DEG

NOTE: THE DATA CAPTURE STATISTICS ARE GIVEN FOR EACH OF THE NINE  
 CATEGORIES LISTED ABOVE.

CALM WINDS ARE LISTED IN THE 0-3 WIND SPEED CATEGORY.





# NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE LOWER (9)

DATA FOR OCT 1 1983 THROUGH DEC 31 1983

JG120\*

STABILITY CLASS - A

% FREQUENCY (NO. OF OCCURRENCES) OF WIND DIRECTION WITHIN WIND SPEED CATEGORY

DIR	SPEED (MPH)						TOTAL
	00-03	04-07	08-12	13-18	19-23	>24	
N	0.0 ( 1)	0.1 ( 3)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.2 ( 4)
NNE	0.0 ( 0)	0.1 ( 3)	0.0 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.2 ( 4)
NE	0.2 ( 5)	0.4 ( 8)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.6 ( 13)
ENE	0.0 ( 0)	0.1 ( 3)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.1 ( 3)
E	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
ESE	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
SE	0.0 ( 0)	0.0 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 1)
SSE	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
S	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 1)	0.0 ( 1)	0.0 ( 0)	0.1 ( 2)
SSW	0.0 ( 0)	0.0 ( 0)	0.1 ( 2)	0.1 ( 2)	0.0 ( 0)	0.0 ( 1)	0.2 ( 5)
SW	0.0 ( 0)	0.0 ( 0)	0.1 ( 2)	0.0 ( 0)	0.1 ( 2)	0.0 ( 1)	0.2 ( 5)
WSW	0.0 ( 0)	0.2 ( 5)	0.3 ( 7)	0.1 ( 3)	0.0 ( 0)	0.1 ( 2)	0.8 ( 17)
W	0.0 ( 0)	0.2 ( 4)	0.1 ( 2)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.3 ( 6)
WNW	0.1 ( 2)	0.1 ( 2)	0.6 ( 13)	0.1 ( 3)	0.3 ( 6)	0.6 ( 12)	1.6 ( 38)
NW	0.0 ( 0)	0.1 ( 2)	0.3 ( 7)	0.1 ( 3)	0.0 ( 1)	0.1 ( 3)	0.8 ( 16)
NNW	0.1 ( 3)	0.3 ( 7)	0.1 ( 3)	0.1 ( 2)	0.0 ( 0)	0.0 ( 0)	0.7 ( 15)
TOTAL	0.5 ( 11)	1.8 ( 38)	1.8 ( 37)	0.7 ( 14)	0.5 ( 10)	0.9 ( 19)	6.2 ( 129)

FOR STABILITY CLASS - A

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 129

NUMBER OF MISSING WIND OBSERVATIONS: 0

NUMBER OF CALM HOURS: 0



# NIAGARA MONARK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE LOWER (9)

DATA FOR OCT 1 1983 THROUGH DEC 31 1983

JG120\*

STABILITY CLASS = B

% FREQUENCY (NO. OF OCCURRENCES) OF WIND DIRECTION WITHIN WIND SPEED CATEGORY

DIR	SPEED (MPH)						TOTAL
	00-03	04-07	08-12	13-18	19-23	>24	
N	0.0 ( 0)	0.0 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 1)
NNE	0.0 ( 0)	0.0 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 1)
NE	0.0 ( 0)	0.0 ( 0)	0.0 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 1)
ENE	0.0 ( 0)	0.0 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 1)
E	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
ESE	0.0 ( 0)	0.1 ( 2)	0.0 ( 1)	0.0 ( 1)	0.0 ( 1)	0.0 ( 0)	0.2 ( 5)
SE	0.0 ( 1)	0.1 ( 2)	0.0 ( 0)	0.1 ( 2)	0.0 ( 0)	0.0 ( 0)	0.2 ( 5)
SSE	0.1 ( 2)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.1 ( 2)
S	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 1)
SSW	0.0 ( 0)	0.0 ( 0)	0.0 ( 1)	0.0 ( 1)	0.0 ( 0)	0.0 ( 0)	0.1 ( 2)
SW	0.0 ( 0)	0.0 ( 1)	0.1 ( 2)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.1 ( 3)
WSW	0.0 ( 0)	0.1 ( 2)	0.1 ( 3)	0.1 ( 3)	0.0 ( 1)	0.0 ( 0)	0.4 ( 9)
W	0.0 ( 0)	0.2 ( 4)	0.1 ( 2)	0.1 ( 3)	0.0 ( 1)	0.0 ( 1)	0.5 ( 11)
WNW	0.1 ( 2)	0.3 ( 6)	0.1 ( 2)	0.1 ( 3)	0.2 ( 4)	0.1 ( 2)	0.9 ( 19)
W	0.0 ( 1)	0.3 ( 7)	0.1 ( 3)	0.2 ( 4)	0.0 ( 0)	0.0 ( 1)	0.8 ( 16)
NNW	0.0 ( 1)	0.1 ( 2)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.1 ( 3)
TOTAL	0.3 ( 7)	1.4 ( 29)	0.7 ( 15)	0.9 ( 18)	0.3 ( 7)	0.2 ( 4)	3.9 ( 80)

FOR STABILITY CLASS - B

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 80

NUMBER OF MISSING WIND OBSERVATIONS: 0

NUMBER OF CALM HOURS: 0



# NIAGARA MOHAWK

## OSWEGO AMBIENT AIR MONITORING

SITE: NINE MILE LOWER (9)

DATA FOR OCT 1 1983 THROUGH DEC 31 1983

JG120\*

STABILITY CLASS = C

% FREQUENCY (NO. OF OCCURRENCES) OF WIND DIRECTION WITHIN WIND SPEED CATEGORY

DIR	SPEED (MPH)						TOTAL
	00-03	04-07	08-12	13-18	19-23	>24	
N	0.0 ( 0)	0.0 ( 1)	0.0 ( 1)	0.0 ( 1)	0.0 ( 0)	0.0 ( 0)	0.1 ( 3)
NNE	0.0 ( 0)	0.0 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 1)
NE	0.0 ( 1)	0.2 ( 4)	0.1 ( 3)	0.0 ( 1)	0.0 ( 0)	0.0 ( 0)	0.4 ( 9)
ENE	0.0 ( 0)	0.0 ( 1)	0.0 ( 0)	0.0 ( 1)	0.0 ( 0)	0.0 ( 0)	0.1 ( 2)
E	0.1 ( 2)	0.0 ( 1)	0.0 ( 0)	0.0 ( 1)	0.0 ( 1)	0.0 ( 0)	0.2 ( 5)
ESE	0.0 ( 1)	0.1 ( 2)	0.0 ( 1)	0.0 ( 0)	0.0 ( 1)	0.0 ( 0)	0.2 ( 5)
SE	0.1 ( 2)	0.0 ( 1)	0.0 ( 0)	0.1 ( 2)	0.0 ( 1)	0.0 ( 0)	0.3 ( 6)
SSE	0.1 ( 2)	0.0 ( 0)	0.0 ( 1)	0.0 ( 1)	0.0 ( 0)	0.0 ( 0)	0.2 ( 4)
S	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
SSW	0.0 ( 0)	0.0 ( 0)	0.0 ( 1)	0.0 ( 1)	0.0 ( 1)	0.0 ( 0)	0.1 ( 3)
SW	0.0 ( 0)	0.0 ( 1)	0.2 ( 5)	0.0 ( 1)	0.0 ( 0)	0.0 ( 0)	0.3 ( 7)
WSW	0.0 ( 0)	0.1 ( 2)	0.1 ( 2)	0.2 ( 4)	0.0 ( 0)	0.0 ( 0)	0.4 ( 8)
W	0.1 ( 2)	0.2 ( 4)	0.1 ( 3)	0.2 ( 4)	0.0 ( 0)	0.0 ( 0)	0.6 ( 13)
WNW	0.0 ( 1)	0.3 ( 7)	0.3 ( 6)	0.2 ( 4)	0.3 ( 6)	0.2 ( 4)	1.3 ( 28)
NW	0.0 ( 0)	0.3 ( 6)	0.2 ( 4)	0.3 ( 6)	0.0 ( 0)	0.1 ( 3)	0.9 ( 19)
NNW	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 1)	0.0 ( 0)	0.0 ( 1)
TOTAL	0.5 ( 11)	1.5 ( 31)	1.3 ( 27)	1.3 ( 27)	0.5 ( 11)	0.3 ( 7)	5.5 ( 114)

FOR STABILITY CLASS = C

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 117

NUMBER OF MISSING WIND OBSERVATIONS: 3

NUMBER OF CALM HOURS: 0



# NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE LOWER (9)

DATA FOR OCT 1 1983 THROUGH DEC 31 1983

JG120\*

STABILITY CLASS - D

% FREQUENCY (NO. OF OCCURRENCES) OF WIND DIRECTION WITHIN WIND SPEED CATEGORY

DIR	SPEED (MPH)						TOTAL
	00-03	04-07	08-12	13-18	19-23	>24	
N	0.0 ( 1)	0.4 ( 8)	0.0 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 1)	0.5 ( 11)
NNE	0.2 ( 4)	0.8 ( 16)	0.5 ( 11)	0.0 ( 1)	0.0 ( 0)	0.0 ( 0)	1.5 ( 32)
NE	1.6 ( 33)	2.5 ( 51)	0.5 ( 11)	0.8 ( 16)	0.2 ( 5)	0.3 ( 7)	5.9 ( 123)
ENE	0.2 ( 4)	0.4 ( 9)	0.2 ( 5)	0.2 ( 4)	0.0 ( 0)	0.0 ( 0)	1.1 ( 22)
E	0.7 ( 15)	1.1 ( 23)	0.4 ( 9)	0.8 ( 16)	0.2 ( 5)	0.0 ( 1)	3.3 ( 69)
ESE	1.4 ( 29)	2.2 ( 45)	0.6 ( 13)	0.5 ( 10)	0.0 ( 0)	0.0 ( 0)	4.7 ( 97)
SE	0.4 ( 9)	1.5 ( 32)	0.5 ( 10)	0.0 ( 1)	0.0 ( 0)	0.0 ( 1)	2.6 ( 53)
SSE	0.1 ( 3)	1.1 ( 22)	0.5 ( 11)	0.1 ( 2)	0.1 ( 2)	0.1 ( 3)	2.1 ( 43)
S	0.1 ( 3)	0.7 ( 14)	0.7 ( 14)	0.5 ( 10)	0.3 ( 6)	0.5 ( 11)	2.8 ( 58)
SSW	0.2 ( 5)	0.5 ( 11)	1.3 ( 26)	0.8 ( 16)	0.8 ( 17)	1.2 ( 25)	4.8 ( 100)
SW	0.3 ( 6)	1.0 ( 21)	0.9 ( 18)	0.5 ( 11)	0.4 ( 9)	0.2 ( 5)	3.4 ( 70)
WSW	0.3 ( 7)	0.5 ( 10)	1.3 ( 26)	0.8 ( 16)	0.5 ( 10)	0.3 ( 6)	3.6 ( 75)
W	0.4 ( 8)	1.4 ( 30)	0.9 ( 18)	0.6 ( 12)	0.4 ( 8)	1.0 ( 20)	4.6 ( 96)
WNW	0.6 ( 13)	1.4 ( 30)	0.7 ( 14)	0.3 ( 7)	0.6 ( 12)	0.5 ( 10)	4.1 ( 86)
NW	0.2 ( 5)	1.0 ( 21)	0.4 ( 8)	0.6 ( 12)	0.1 ( 3)	0.6 ( 12)	2.9 ( 61)
NNW	0.2 ( 5)	0.3 ( 6)	0.1 ( 3)	0.3 ( 6)	0.0 ( 1)	0.0 ( 1)	1.1 ( 22)
TOTAL	7.2 ( 150)	16.8 ( 349)	9.5 ( 198)	6.7 ( 140)	3.8 ( 76)	5.0 ( 103)	49.1 ( 1018)

FOR STABILITY CLASS - D

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 1054

NUMBER OF MISSING WIND OBSERVATIONS: 36

NUMBER OF CALM HOURS: 2

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# NIAGARA HONAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE LOWER (9)

DATA FOR OCT 1 1983 THROUGH DEC 31 1983

JG120\*

STABILITY CLASS - E

% FREQUENCY (NO. OF OCCURRENCES) OF WIND DIRECTION WITHIN WIND SPEED CATEGORY

DIR	SPEED (MPH)						TOTAL
	00-03	04-07	08-12	13-18	19-23	>24	
N	0.0 ( 0)	0.0 ( 1)	0.0 ( 1)	0.0 ( 0)	0.0 ( 1)	0.0 ( 0)	0.1 ( 3)
NNE	0.0 ( 0)	0.3 ( 7)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.3 ( 7)
NE	0.2 ( 5)	0.8 ( 16)	0.0 ( 1)	0.1 ( 3)	0.0 ( 0)	0.0 ( 0)	1.2 ( 25)
ENE	0.3 ( 6)	0.9 ( 18)	0.1 ( 3)	0.0 ( 1)	0.0 ( 0)	0.0 ( 1)	1.4 ( 29)
E	1.3 ( 26)	1.1 ( 22)	0.4 ( 9)	0.2 ( 5)	0.1 ( 2)	0.1 ( 2)	3.2 ( 66)
ESE	1.4 ( 29)	3.9 ( 80)	1.3 ( 26)	0.3 ( 6)	0.0 ( 1)	0.2 ( 5)	7.1 ( 147)
SE	1.3 ( 27)	1.6 ( 33)	0.8 ( 16)	0.0 ( 0)	0.0 ( 1)	0.1 ( 3)	3.9 ( 80)
SSE	0.3 ( 7)	1.4 ( 30)	0.9 ( 18)	0.1 ( 2)	0.0 ( 0)	0.1 ( 3)	2.9 ( 60)
S	0.1 ( 2)	1.3 ( 26)	1.0 ( 21)	0.1 ( 3)	0.2 ( 4)	0.0 ( 0)	2.7 ( 56)
SSW	0.1 ( 2)	0.5 ( 10)	0.5 ( 10)	0.0 ( 1)	0.0 ( 0)	0.1 ( 2)	1.2 ( 25)
SW	0.3 ( 7)	0.6 ( 13)	0.4 ( 9)	0.0 ( 1)	0.1 ( 3)	0.0 ( 1)	1.6 ( 34)
WSW	0.1 ( 2)	0.1 ( 3)	0.3 ( 6)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.5 ( 11)
W	0.2 ( 4)	0.2 ( 4)	0.1 ( 3)	0.0 ( 1)	0.0 ( 0)	0.0 ( 0)	0.6 ( 12)
WNW	0.1 ( 2)	0.3 ( 6)	0.1 ( 2)	0.0 ( 0)	0.1 ( 2)	0.0 ( 0)	0.6 ( 12)
W	0.1 ( 3)	0.0 ( 1)	0.1 ( 2)	0.0 ( 0)	0.1 ( 3)	0.0 ( 0)	0.4 ( 9)
NNW	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
TOTAL	5.9 ( 122)	13.0 ( 270)	8.1 ( 127)	1.1 ( 23)	0.8 ( 17)	0.8 ( 17)	27.8 ( 576)

FOR STABILITY CLASS - E

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 597

NUMBER OF MISSING WIND OBSERVATIONS: 21

NUMBER OF CALM HOURS: 1



# NIAGARA-MOHAWK

## OSWEGO AMBIENT AIR MONITORING

SITE: NINE MILE LOWER (9)

DATA FOR OCT 1 1983 THROUGH DEC 31 1983

JG120\*

STABILITY CLASS - F

### % FREQUENCY (NO. OF OCCURRENCES) OF WIND DIRECTION WITHIN WIND SPEED CATEGORY

DIR	00-03		04-07		08-12		13-18		19-23		>24		TOTAL
N	0.0	( 0)	0.0	( 0)	0.0	( 0)	0.0	( 0)	0.0	( 0)	0.0	( 0)	0.0 ( 0)
NNE	0.0	( 0)	0.0	( 0)	0.0	( 0)	0.0	( 0)	0.0	( 0)	0.0	( 0)	0.0 ( 0)
NE	0.0	( 0)	0.0	( 0)	0.0	( 0)	0.0	( 0)	0.0	( 0)	0.0	( 0)	0.0 ( 0)
ENE	0.0	( 0)	0.0	( 1)	0.0	( 0)	0.0	( 0)	0.0	( 0)	0.0	( 0)	0.0 ( 1)
E	0.5	( 10)	0.8	( 16)	0.2	( 4)	0.1	( 2)	0.0	( 0)	0.0	( 1)	1.6 ( 33)
ESE	0.3	( 7)	0.4	( 8)	0.4	( 8)	0.0	( 1)	0.0	( 1)	0.1	( 3)	1.3 ( 28)
SE	0.0	( 1)	0.4	( 8)	0.1	( 3)	0.0	( 1)	0.1	( 3)	0.0	( 0)	0.8 ( 16)
SSE	0.1	( 3)	0.2	( 5)	0.0	( 1)	0.2	( 4)	0.0	( 1)	0.0	( 0)	0.7 ( 14)
S	0.0	( 1)	0.2	( 5)	0.1	( 2)	0.0	( 0)	0.0	( 0)	0.0	( 0)	0.4 ( 8)
SSW	0.0	( 1)	0.0	( 1)	0.0	( 0)	0.0	( 0)	0.0	( 0)	0.0	( 0)	0.1 ( 2)
SW	0.0	( 0)	0.1	( 2)	0.0	( 1)	0.0	( 0)	0.1	( 2)	0.0	( 0)	0.2 ( 5)
WSW	0.1	( 2)	0.0	( 0)	0.0	( 0)	0.0	( 0)	0.1	( 2)	0.0	( 0)	0.2 ( 4)
W	0.0	( 0)	0.0	( 0)	0.0	( 0)	0.0	( 0)	0.0	( 0)	0.0	( 0)	0.0 ( 0)
WNW	0.0	( 0)	0.0	( 0)	0.0	( 0)	0.0	( 0)	0.0	( 0)	0.0	( 0)	0.0 ( 0)
NW	0.0	( 0)	0.0	( 0)	0.0	( 0)	0.0	( 0)	0.0	( 0)	0.0	( 0)	0.0 ( 0)
NNW	0.0	( 0)	0.0	( 0)	0.0	( 0)	0.0	( 0)	0.0	( 0)	0.0	( 0)	0.0 ( 0)
TOTAL	1.2	( 25)	2.2	( 46)	0.9	( 19)	0.4	( 8)	0.4	( 9)	0.2	( 4)	5.3 ( 111)

FOR STABILITY CLASS - F

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 111

NUMBER OF MISSING WIND OBSERVATIONS: 0

NUMBER OF CALM HOURS: 1



# NIRAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE LOWER (9)

DATA FOR OCT 1 1983 THROUGH DEC 31 1983

JG120\*

STABILITY CLASS - G

% FREQUENCY (NO. OF OCCURRENCES) OF WIND DIRECTION WITHIN WIND SPEED CATEGORY

	SPEED (MPH)						
DIR	00-03	04-07	08-12	13-18	19-23	>24	TOTAL
N	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
NNE	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
NE	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
ENE	0.0 ( 0)	0.0 ( 0)	0.0 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 1)
E	0.2 ( 5)	0.2 ( 4)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.4 ( 9)
ESE	0.2 ( 4)	0.4 ( 8)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.6 ( 12)
SE	0.0 ( 1)	0.3 ( 6)	0.1 ( 2)	0.1 ( 2)	0.0 ( 0)	0.0 ( 0)	0.5 ( 11)
SSE	0.2 ( 5)	0.1 ( 3)	0.0 ( 1)	0.1 ( 2)	0.0 ( 0)	0.0 ( 0)	0.5 ( 11)
S	0.0 ( 0)	0.0 ( 0)	0.1 ( 3)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.1 ( 3)
SSW	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
SW	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
WSW	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
W	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
WNW	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
W	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
NNW	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
TOTAL	0.7 ( 15)	1.0 ( 21)	0.3 ( 7)	0.2 ( 4)	0.0 ( 0)	0.0 ( 0)	2.3 ( 47)

FOR STABILITY CLASS - G

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 52

NUMBER OF MISSING WIND OBSERVATIONS: 5

NUMBER OF CALM HOURS: 1



# NIAGARA HONAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE LOWER (9)

DATA FOR OCT 1 1983 THROUGH DEC 31 1983

JG120\*

STABILITY CLASS - ALL

% FREQUENCY (NO. OF OCCURRENCES) OF WIND DIRECTION WITHIN WIND SPEED CATEGORY

DIR	SPEED (MPH)						TOTAL
	00-03	04-07	08-12	13-18	19-23	>24	
N	0.1 ( 2)	0.7 ( 14)	0.1 ( 3)	0.0 ( 1)	0.0 ( 1)	0.0 ( 1)	1.1 ( 22)
NNE	0.2 ( 4)	1.3 ( 28)	0.6 ( 12)	0.0 ( 1)	0.0 ( 0)	0.0 ( 0)	2.2 ( 45)
NE	2.1 ( 44)	3.8 ( 79)	0.8 ( 16)	1.0 ( 20)	0.2 ( 5)	0.3 ( 7)	8.2 ( 171)
ENE	0.5 ( 10)	1.6 ( 33)	0.4 ( 9)	0.3 ( 6)	0.0 ( 0)	0.0 ( 1)	2.8 ( 59)
E	2.8 ( 58)	3.2 ( 66)	1.1 ( 22)	1.2 ( 24)	0.4 ( 8)	0.2 ( 4)	8.8 ( 182)
ESE	3.4 ( 70)	7.0 ( 145)	2.4 ( 49)	0.9 ( 18)	0.2 ( 4)	0.4 ( 8)	14.2 ( 294)
SE	2.0 ( 41)	4.0 ( 83)	1.5 ( 31)	0.4 ( 8)	0.2 ( 5)	0.2 ( 4)	8.3 ( 172)
SSE	1.1 ( 22)	2.9 ( 60)	1.5 ( 32)	0.5 ( 11)	0.1 ( 3)	0.3 ( 6)	6.5 ( 134)
S	0.3 ( 6)	2.2 ( 45)	1.9 ( 40)	0.7 ( 15)	0.5 ( 11)	0.5 ( 11)	6.2 ( 128)
SSW	0.4 ( 8)	1.1 ( 22)	1.9 ( 40)	1.0 ( 21)	0.9 ( 18)	1.3 ( 28)	6.6 ( 137)
SW	0.6 ( 13)	1.8 ( 38)	1.8 ( 37)	0.6 ( 13)	0.8 ( 16)	0.3 ( 7)	6.0 ( 124)
WSW	0.5 ( 11)	1.1 ( 22)	2.1 ( 44)	1.3 ( 26)	0.6 ( 13)	0.4 ( 8)	6.0 ( 124)
W	0.7 ( 14)	2.2 ( 46)	1.3 ( 28)	1.0 ( 20)	0.4 ( 9)	1.0 ( 21)	6.7 ( 138)
WNW	1.0 ( 20)	2.5 ( 51)	1.8 ( 37)	0.8 ( 17)	1.4 ( 30)	1.3 ( 28)	8.8 ( 183)
NW	0.4 ( 9)	1.8 ( 37)	1.2 ( 24)	1.2 ( 25)	0.3 ( 7)	0.9 ( 19)	5.8 ( 121)
NNW	0.4 ( 9)	0.7 ( 15)	0.3 ( 6)	0.4 ( 8)	0.1 ( 2)	0.0 ( 1)	2.0 ( 41)
TOTAL	16.4 ( 341)	37.8 ( 784)	20.7 ( 430)	11.3 ( 234)	6.4 ( 132)	7.4 ( 154)	100.0 ( 2075)

FOR STABILITY CLASS - ALL

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 2140

NUMBER OF MISSING WIND OBSERVATIONS: 65

NUMBER OF CALM HOURS: 514

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# NIAGARA HONAWK

## OSWEGO AMBIENT AIR MONITORING

SITE: NINE MILE LOWER (9)

DATA FOR OCT 1 1983 THROUGH DEC 31 1983

JG120\*

### % FREQUENCY (NO. OF OCCURRENCES) OF WIND DIRECTION WITHIN WIND SPEED CATEGORY

DIR	SPEED (MPH)						TOTAL
	00-03	04-07	08-12	13-18	19-23	>24	
N	0.1 ( 2)	0.7 ( 14)	0.1 ( 3)	0.0 ( 1)	0.0 ( 1)	0.0 ( 1)	1.1 ( 22)
NNE	0.2 ( 4)	1.3 ( 28)	0.6 ( 12)	0.0 ( 1)	0.0 ( 0)	0.0 ( 0)	2.2 ( 45)
NE	2.1 ( 44)	3.8 ( 79)	0.8 ( 16)	1.0 ( 20)	0.2 ( 5)	0.3 ( 7)	8.2 ( 171)
ENE	0.5 ( 10)	1.6 ( 33)	0.4 ( 9)	0.3 ( 6)	0.0 ( 0)	0.0 ( 1)	2.8 ( 59)
E	2.8 ( 58)	3.2 ( 66)	1.1 ( 22)	1.2 ( 24)	0.4 ( 8)	0.2 ( 4)	8.7 ( 182)
ESE	3.4 ( 70)	7.0 ( 146)	2.4 ( 51)	0.9 ( 18)	0.2 ( 4)	0.4 ( 8)	14.3 ( 297)
SE	2.0 ( 41)	4.0 ( 83)	1.5 ( 31)	0.4 ( 8)	0.2 ( 5)	0.2 ( 4)	8.3 ( 172)
SSE	1.1 ( 22)	2.9 ( 60)	1.5 ( 32)	0.5 ( 11)	0.1 ( 3)	0.3 ( 6)	6.4 ( 134)
S	0.3 ( 6)	2.2 ( 46)	2.0 ( 41)	0.8 ( 16)	0.5 ( 11)	0.6 ( 12)	6.3 ( 132)
SSW	0.4 ( 8)	1.1 ( 22)	1.9 ( 40)	1.0 ( 21)	0.9 ( 18)	1.3 ( 28)	6.6 ( 137)
SW	0.6 ( 13)	1.8 ( 38)	1.8 ( 38)	0.6 ( 13)	0.8 ( 16)	0.3 ( 7)	6.0 ( 125)
WSW	0.5 ( 11)	1.1 ( 22)	2.1 ( 44)	1.2 ( 26)	0.6 ( 13)	0.4 ( 8)	6.0 ( 124)
W	0.7 ( 14)	2.2 ( 46)	1.3 ( 28)	1.0 ( 20)	0.4 ( 9)	1.0 ( 21)	6.6 ( 138)
WNW	1.0 ( 20)	2.4 ( 51)	1.8 ( 37)	0.8 ( 17)	1.4 ( 30)	1.3 ( 28)	8.8 ( 183)
NW	0.4 ( 9)	1.8 ( 37)	1.2 ( 24)	1.2 ( 25)	0.3 ( 7)	0.9 ( 19)	5.8 ( 121)
NNW	0.4 ( 9)	0.7 ( 15)	0.3 ( 6)	0.4 ( 8)	0.1 ( 2)	0.0 ( 1)	2.0 ( 41)
TOTAL	16.4 ( 341)	37.7 ( 786)	20.8 ( 434)	11.3 ( 235)	6.3 ( 132)	7.4 ( 155)	100.0 ( 2083)

### FOR ALL WIND CATEGORIES

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 2208

NUMBER OF MISSING WIND OBSERVATIONS: 125

NUMBER OF CALM HOURS: 9



\*\*\*\*\* LEGEND \*\*\*\*\*  
 % FREQUENCY OF WIND DIRECTION WITHIN WIND SPEED CATEGORY  
 \*\*\*\*\* BY STABILITY \*\*\*\*\*

JG120\*

SITE: NINE MILE UPPER: WIND SPEED UPPER: 200FT AEROVANE  
 WIND DIRECTION UPPER: 200FT AEROVANE  
 TEMPERATURE DIFFERENCE - (200-27FT)

NINE MILE LOWER: WIND SPEED LOWER: 30FT CUP  
 WIND DIRECTION LOWER: 30FT CUP  
 TEMPERATURE DIFFERENCE - (200-27FT)

STABILITY CLASS: PASQUILL STABILITY CATEGORIES - DEGC/100M

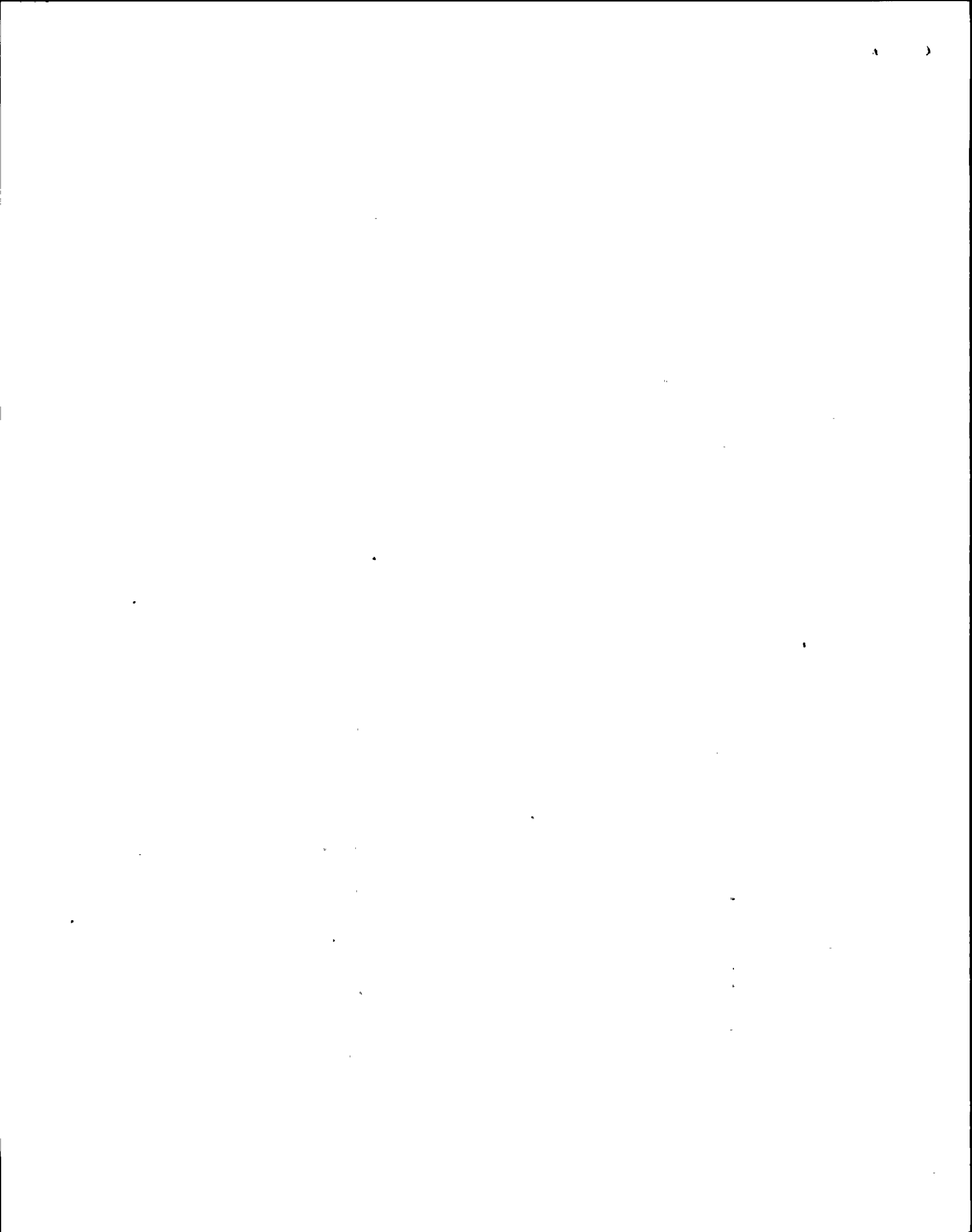
A - EXTREMELY UNSTABLE	LT -1.9
B - MODERATELY UNSTABLE	1.8 TO -1.7
C - SLIGHTLY UNSTABLE	1.6 TO -1.5
D - NEUTRAL	-1.4 TO -0.5
E - SLIGHTLY STABLE	-0.4 TO 1.5
F - MODERATELY STABLE	1.6 TO 4.0
G - EXTREMELY STABLE	GT 4.0
ALL - ALL STABILITIES (A-G)	ALL
( ) - ALL WIND	N/A

WIND CLASS: SIX WIND SPEED CATEGORIES - (SEE TABLE HEADINGS) MPH

SIXTEEN WIND DIRECTION CATEGORIES - 22.5 DEG

NOTE: THE DATA CAPTURE STATISTICS ARE GIVEN FOR EACH OF THE NINE  
 CATEGORIES LISTED ABOVE.

CALM WINDS ARE LISTED IN THE 0-3 WIND SPEED CATEGORY.



# NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE UPPER (9)

DATA FOR JULY 1 1983 THROUGH SEPT 30 1983

JG120\*

STABILITY CLASS - A

% FREQUENCY (NO. OF OCCURRENCES) OF WIND DIRECTION WITHIN WIND SPEED CATEGORY

	SPEED (MPH)						
DIR	00-03	04-07	08-12	13-18	19-23	>24	TOTAL
N	0.0 ( 0)	1.0 ( 19)	1.0 ( 18)	0.4 ( 7)	0.1 ( 1)	0.0 ( 0)	2.4 ( 45)
NNE	0.0 ( 0)	0.6 ( 12)	0.3 ( 6)	0.3 ( 5)	0.1 ( 2)	0.0 ( 0)	1.3 ( 25)
NE	0.0 ( 0)	0.2 ( 4)	0.1 ( 2)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.3 ( 6)
ENE	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
E	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
ESE	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
SE	0.0 ( 0)	0.1 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.1 ( 1)
SSE	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
S	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
SSW	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.1 ( 1)	0.0 ( 0)	0.0 ( 0)	0.1 ( 1)
SW	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
WSW	0.0 ( 0)	0.0 ( 0)	0.1 ( 1)	0.1 ( 2)	0.1 ( 2)	0.0 ( 0)	0.3 ( 5)
W	0.0 ( 0)	0.4 ( 7)	0.3 ( 5)	0.1 ( 1)	0.2 ( 4)	0.0 ( 0)	0.9 ( 17)
WNW	0.0 ( 0)	0.4 ( 7)	0.2 ( 4)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.6 ( 11)
HW	0.0 ( 0)	0.9 ( 16)	0.3 ( 6)	0.3 ( 5)	0.0 ( 0)	0.0 ( 0)	1.4 ( 27)
NNW	0.0 ( 0)	0.6 ( 12)	1.0 ( 18)	0.5 ( 10)	0.1 ( 1)	0.0 ( 0)	2.2 ( 41)
TOTAL	0.0 ( 0)	4.2 ( 78)	3.2 ( 60)	1.7 ( 31)	0.5 ( 10)	0.0 ( 0)	9.6 ( 179)

FOR STABILITY CLASS - A

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 184

NUMBER OF MISSING WIND OBSERVATIONS: 5

NUMBER OF CALM HOURS: 0



# NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE UPPER (9)

DATA FOR JULY 1 1983 THROUGH SEPT 30 1983

JG120\*

STABILITY CLASS = B

% FREQUENCY (NO. OF OCCURRENCES) OF WIND DIRECTION WITHIN WIND SPEED CATEGORY

	SPEED (MPH)						
DIR	00-03	04-07	08-12	13-18	19-23	>24	TOTAL
N	0.0 ( 0)	0.1 ( 2)	0.1 ( 1)	0.1 ( 1)	0.0 ( 0)	0.0 ( 0)	0.2 ( 4)
NNE	0.1 ( 1)	0.4 ( 7)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.4 ( 8)
NE	0.0 ( 0)	0.1 ( 1)	0.0 ( 0)	0.0 ( 0)	0.1 ( 1)	0.0 ( 0)	0.1 ( 2)
ENE	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
E	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
ESE	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
SE	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
SSE	0.0 ( 0)	0.1 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.1 ( 1)
S	0.0 ( 0)	0.0 ( 0)	0.1 ( 1)	0.1 ( 1)	0.1 ( 1)	0.0 ( 0)	0.2 ( 3)
SSW	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.2 ( 3)	0.0 ( 0)	0.0 ( 0)	0.2 ( 3)
SW	0.0 ( 0)	0.0 ( 0)	0.1 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.1 ( 1)
WSW	0.0 ( 0)	0.1 ( 2)	0.2 ( 3)	0.2 ( 3)	0.0 ( 0)	0.2 ( 4)	0.6 ( 12)
W	0.0 ( 0)	0.1 ( 1)	0.4 ( 8)	0.0 ( 0)	0.1 ( 2)	0.0 ( 0)	0.6 ( 11)
WNW	0.0 ( 0)	0.3 ( 5)	0.1 ( 2)	0.1 ( 2)	0.0 ( 0)	0.1 ( 2)	0.6 ( 11)
NW	0.0 ( 0)	0.1 ( 2)	0.1 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.2 ( 3)
NNW	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.1 ( 1)	0.1 ( 1)
TOTAL	0.1 ( 1)	1.1 ( 21)	0.9 ( 17)	0.5 ( 10)	0.2 ( 4)	0.4 ( 7)	3.2 ( 60)

FOR STABILITY CLASS - B

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 62

NUMBER OF MISSING WIND OBSERVATIONS: 2

NUMBER OF CALM HOURS: 0





# NIAGARA MONARK

## OSWEGO AMBIENT AIR MONITORING

SITE: NINE MILE UPPER (9)

DATA FOR JULY 1 1983 THROUGH SEPT 30 1983

JG120\*

STABILITY CLASS = C

% FREQUENCY (NO. OF OCCURRENCES) OF WIND DIRECTION WITHIN WIND SPEED CATEGORY

DIR	SPEED (MPH)						TOTAL
	00-03	04-07	08-12	13-18	19-23	>24	
N	0.0 ( 0)	0.2 ( 4)	0.1 ( 1)	0.1 ( 2)	0.1 ( 1)	0.1 ( 2)	0.5 ( 10)
NNE	0.0 ( 0)	0.3 ( 6)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.3 ( 6)
NE	0.0 ( 0)	0.2 ( 3)	0.0 ( 0)	0.0 ( 0)	0.1 ( 1)	0.0 ( 0)	0.2 ( 4)
ENE	0.0 ( 0)	0.1 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.1 ( 1)
E	0.0 ( 0)	0.0 ( 0)	0.1 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.1 ( 1)
ESE	0.0 ( 0)	0.1 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.1 ( 1)
SE	0.0 ( 0)	0.1 ( 2)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.1 ( 2)
SSE	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.1 ( 1)	0.0 ( 0)	0.1 ( 1)
S	0.0 ( 0)	0.0 ( 0)	0.1 ( 2)	0.1 ( 1)	0.1 ( 1)	0.0 ( 0)	0.2 ( 4)
SSW	0.0 ( 0)	0.1 ( 1)	0.0 ( 0)	0.2 ( 4)	0.0 ( 0)	0.0 ( 0)	0.3 ( 5)
SW	0.0 ( 0)	0.0 ( 0)	0.1 ( 1)	0.1 ( 2)	0.0 ( 0)	0.0 ( 0)	0.2 ( 3)
WSW	0.0 ( 0)	0.0 ( 0)	0.6 ( 12)	0.4 ( 7)	0.1 ( 1)	0.1 ( 1)	1.1 ( 21)
W	0.0 ( 0)	0.3 ( 6)	0.3 ( 5)	0.3 ( 5)	0.3 ( 5)	0.1 ( 1)	1.2 ( 22)
WNW	0.0 ( 0)	0.2 ( 3)	0.3 ( 5)	0.3 ( 5)	0.2 ( 4)	0.1 ( 1)	1.0 ( 18)
NNW	0.0 ( 0)	0.1 ( 1)	0.0 ( 0)	0.1 ( 1)	0.1 ( 1)	0.1 ( 1)	0.2 ( 4)
NNW	0.0 ( 0)	0.1 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.3 ( 5)	0.3 ( 6)
TOTAL	0.0 ( 0)	1.6 ( 29)	1.4 ( 27)	1.4 ( 27)	0.8 ( 15)	0.6 ( 11)	5.8 ( 109)

FOR STABILITY CLASS = C

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 110

NUMBER OF MISSING WIND OBSERVATIONS: 1

NUMBER OF CALM HOURS: 0

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# NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE UPPER (9)

DATA FOR JULY 1 1983 THROUGH SEPT 30 1983

JG120\*

STABILITY CLASS - D

% FREQUENCY (NO. OF OCCURRENCES) OF WIND DIRECTION WITHIN WIND SPEED CATEGORY

DIR	00-03		04-07		08-12		13-18		19-23		>24		TOTAL
N	0.1	( 1)	0.1	( 2)	0.3	( 5)	0.4	( 8)	0.1	( 1)	0.2	( 3)	1.1 ( 20)
NNE	0.1	( 2)	0.4	( 8)	0.1	( 1)	0.3	( 5)	0.1	( 1)	0.2	( 3)	1.1 ( 20)
NE	0.0	( 0)	0.2	( 4)	0.1	( 1)	0.0	( 0)	0.1	( 1)	0.0	( 0)	0.3 ( 6)
ENE	0.0	( 0)	0.0	( 0)	0.1	( 1)	0.0	( 0)	0.0	( 0)	0.0	( 0)	0.1 ( 1)
E	0.0	( 0)	0.0	( 0)	0.1	( 1)	0.1	( 1)	0.0	( 0)	0.0	( 0)	0.1 ( 2)
ESE	0.0	( 0)	0.2	( 4)	0.1	( 2)	0.1	( 1)	0.0	( 0)	0.0	( 0)	0.4 ( 7)
SE	0.0	( 0)	0.2	( 3)	0.2	( 3)	0.3	( 6)	0.0	( 0)	0.0	( 0)	0.6 ( 12)
SSE	0.1	( 2)	0.2	( 4)	0.2	( 3)	0.2	( 3)	0.2	( 3)	0.0	( 0)	0.8 ( 15)
S	0.1	( 1)	0.3	( 5)	1.2	( 22)	1.2	( 22)	0.3	( 6)	0.0	( 0)	3.0 ( 56)
SSW	0.0	( 0)	0.2	( 3)	0.7	( 13)	0.7	( 13)	0.1	( 1)	0.0	( 0)	1.6 ( 30)
SW	0.1	( 1)	0.1	( 2)	0.5	( 10)	0.4	( 7)	0.1	( 2)	0.0	( 0)	1.2 ( 22)
WSW	0.2	( 3)	0.3	( 6)	2.0	( 37)	2.3	( 42)	0.7	( 13)	0.2	( 3)	5.6 ( 104)
W	0.2	( 3)	0.8	( 14)	1.4	( 26)	1.8	( 33)	1.4	( 26)	0.5	( 10)	6.0 ( 112)
WNW	0.1	( 1)	0.3	( 5)	0.8	( 14)	1.0	( 18)	0.4	( 8)	0.2	( 4)	2.7 ( 50)
NW	0.1	( 1)	0.2	( 3)	0.2	( 3)	0.5	( 10)	0.3	( 5)	0.1	( 1)	1.2 ( 23)
NNW	0.2	( 3)	0.2	( 3)	0.2	( 3)	0.4	( 7)	0.2	( 3)	0.1	( 2)	1.1 ( 21)
TOTAL	1.0	( 18)	3.5	( 66)	7.8	( 145)	9.4	( 176)	3.8	( 70)	1.4	( 26)	26.9 ( 501)

FOR STABILITY CLASS - D

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 504

NUMBER OF MISSING WIND OBSERVATIONS: 3

NUMBER OF CALM HOURS: 0



# NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE UPPER (9)

DATA FOR JULY 1 1983 THROUGH SEPT 30 1983

JG120\*

STABILITY CLASS - E

% FREQUENCY (NO. OF OCCURRENCES) OF WIND DIRECTION WITHIN WIND SPEED CATEGORY

DIR	SPEED (MPH)						TOTAL
	00-03	04-07	08-12	13-18	19-23	>24	
N	0.1 ( 1)	0.3 ( 6)	0.3 ( 5)	0.4 ( 7)	0.3 ( 5)	0.2 ( 3)	1.4 ( 27)
NNE	0.2 ( 4)	0.3 ( 6)	1.0 ( 19)	0.8 ( 15)	0.1 ( 2)	0.3 ( 5)	2.7 ( 51)
NE	0.0 ( 0)	0.1 ( 1)	0.5 ( 10)	0.7 ( 13)	0.1 ( 1)	0.1 ( 1)	1.4 ( 26)
ENE	0.1 ( 2)	0.3 ( 5)	0.1 ( 2)	0.2 ( 3)	0.0 ( 0)	0.0 ( 0)	0.6 ( 12)
E	0.1 ( 1)	0.2 ( 4)	0.2 ( 4)	0.1 ( 1)	0.0 ( 0)	0.0 ( 0)	0.5 ( 10)
ESE	0.0 ( 0)	0.2 ( 3)	0.4 ( 7)	0.5 ( 9)	0.0 ( 0)	0.0 ( 0)	1.0 ( 19)
SE	0.0 ( 0)	0.2 ( 3)	0.3 ( 5)	1.4 ( 26)	0.2 ( 4)	0.2 ( 4)	2.3 ( 42)
SSE	0.0 ( 0)	0.3 ( 5)	0.4 ( 7)	1.1 ( 20)	0.9 ( 17)	0.1 ( 1)	2.7 ( 50)
S	0.0 ( 0)	0.2 ( 4)	0.5 ( 10)	2.7 ( 51)	0.3 ( 5)	0.0 ( 0)	3.8 ( 70)
SSW	0.0 ( 0)	0.3 ( 5)	1.0 ( 19)	2.5 ( 46)	0.2 ( 3)	0.0 ( 0)	3.9 ( 73)
SW	0.0 ( 0)	0.4 ( 8)	0.9 ( 17)	1.1 ( 20)	0.3 ( 6)	0.1 ( 1)	2.8 ( 52)
WSW	0.1 ( 2)	0.6 ( 12)	1.3 ( 24)	1.7 ( 32)	0.7 ( 13)	0.2 ( 4)	4.7 ( 87)
W	0.0 ( 0)	0.1 ( 2)	0.5 ( 9)	0.6 ( 12)	0.6 ( 12)	0.3 ( 6)	2.2 ( 41)
WNW	0.0 ( 0)	0.1 ( 1)	0.3 ( 6)	0.2 ( 3)	0.1 ( 2)	0.1 ( 1)	0.7 ( 13)
NW	0.0 ( 0)	0.0 ( 0)	0.3 ( 5)	0.2 ( 3)	0.2 ( 4)	0.0 ( 0)	0.6 ( 12)
NNW	0.1 ( 2)	0.1 ( 1)	0.3 ( 5)	0.2 ( 3)	0.0 ( 0)	0.0 ( 0)	0.6 ( 11)
TOTAL	0.6 ( 12)	3.5 ( 66)	8.3 ( 154)	14.2 ( 264)	4.0 ( 74)	1.4 ( 26)	32.0 ( 596)

FOR STABILITY CLASS - E

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 605

NUMBER OF MISSING WIND OBSERVATIONS: 9

NUMBER OF CALM HOURS: 0



# NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE UPPER (9)

DATA FOR JULY 1 1983 THROUGH SEPT 30 1983

JG120\*

STABILITY CLASS - F

% FREQUENCY (NO. OF OCCURRENCES) OF WIND DIRECTION WITHIN WIND SPEED CATEGORY

	SPEED (MPH)						
DIR	00-03	04-07	08-12	13-18	19-23	>24	TOTAL
N	0.0 ( 0)	0.1 ( 2)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.1 ( 2)
NNE	0.1 ( 2)	0.4 ( 7)	0.1 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.5 ( 10)
NE	0.1 ( 2)	0.1 ( 2)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.2 ( 4)
ENE	0.1 ( 2)	0.2 ( 4)	0.1 ( 2)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.4 ( 8)
E	0.1 ( 1)	0.1 ( 2)	0.6 ( 11)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.8 ( 14)
ESE	0.0 ( 0)	0.2 ( 4)	0.3 ( 5)	0.1 ( 2)	0.0 ( 0)	0.0 ( 0)	0.6 ( 11)
SE	0.0 ( 0)	0.1 ( 2)	0.1 ( 1)	0.2 ( 4)	0.0 ( 0)	0.0 ( 0)	0.4 ( 7)
SSE	0.0 ( 0)	0.1 ( 1)	0.3 ( 6)	0.2 ( 4)	0.0 ( 0)	0.0 ( 0)	0.6 ( 11)
S	0.0 ( 0)	0.2 ( 3)	0.2 ( 3)	1.1 ( 20)	0.1 ( 1)	0.0 ( 0)	1.4 ( 27)
SSW	0.0 ( 0)	0.2 ( 4)	0.4 ( 8)	1.7 ( 32)	0.1 ( 1)	0.0 ( 0)	2.4 ( 45)
SW	0.0 ( 0)	0.2 ( 4)	0.4 ( 8)	0.5 ( 10)	0.0 ( 0)	0.0 ( 0)	1.2 ( 22)
WSW	0.0 ( 0)	0.4 ( 8)	0.6 ( 12)	0.2 ( 3)	0.0 ( 0)	0.0 ( 0)	1.2 ( 23)
W	0.1 ( 1)	0.1 ( 2)	0.0 ( 0)	0.0 ( 0)	0.1 ( 2)	0.0 ( 0)	0.3 ( 5)
WNW	0.0 ( 0)	0.0 ( 0)	0.1 ( 2)	0.1 ( 1)	0.1 ( 1)	0.0 ( 0)	0.2 ( 4)
NW	0.0 ( 0)	0.1 ( 1)	0.1 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.1 ( 2)
NNW	0.0 ( 0)	0.1 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.1 ( 1)
TOTAL	0.4 ( 8)	2.5 ( 47)	3.2 ( 60)	4.1 ( 76)	0.3 ( 5)	0.0 ( 0)	10.5 ( 196)

FOR STABILITY CLASS - F

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 198

NUMBER OF MISSING WIND OBSERVATIONS: 2

NUMBER OF CALM HOURS: 0





# NIAGARA MOHAWK

## OSWEGO AMBIENT AIR MONITORING

SITE: NINE MILE UPPER (9)

DATA FOR JULY 1-1983 THROUGH SEPT 30-1983

JG120\*

### STABILITY CLASS - G

#### % FREQUENCY (NO. OF OCCURRENCES) OF WIND DIRECTION WITHIN WIND SPEED CATEGORY

DIR	SPEED (MPH)						TOTAL
	00-03	04-07	08-12	13-18	19-23	>24	
N	0.1 (1)	0.1 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.1 (2)
NNE	0.3 (6)	0.2 (3)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.5 (9)
NE	0.3 (6)	0.1 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.4 (7)
ENE	0.2 (4)	0.5 (10)	0.1 (2)	0.0 (0)	0.0 (0)	0.0 (0)	0.9 (16)
E	0.0 (0)	0.4 (7)	0.5 (10)	0.0 (0)	0.0 (0)	0.0 (0)	0.9 (17)
ESE	0.2 (3)	0.4 (8)	0.2 (3)	0.2 (4)	0.0 (0)	0.0 (0)	1.0 (18)
SE	0.1 (2)	0.3 (5)	0.1 (2)	0.4 (8)	0.0 (0)	0.0 (0)	0.9 (17)
SSE	0.1 (1)	0.4 (7)	0.3 (5)	0.4 (8)	0.0 (0)	0.0 (0)	1.1 (21)
S	0.0 (0)	0.3 (6)	0.5 (9)	0.5 (10)	0.0 (0)	0.0 (0)	1.3 (25)
SSW	0.0 (0)	0.3 (5)	0.5 (10)	0.8 (14)	0.0 (0)	0.0 (0)	1.6 (29)
SW	0.1 (2)	0.4 (8)	0.9 (17)	0.4 (7)	0.0 (0)	0.0 (0)	1.8 (34)
WSW	0.1 (1)	0.3 (5)	0.3 (6)	0.1 (1)	0.0 (0)	0.0 (0)	0.7 (13)
W	0.2 (3)	0.2 (4)	0.1 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.4 (8)
WNW	0.1 (1)	0.1 (2)	0.1 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.2 (4)
NW	0.2 (3)	0.1 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.2 (4)
NNW	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)
TOTAL	1.8 (33)	3.9 (73)	3.5 (66)	2.8 (52)	0.0 (0)	0.0 (0)	12.0 (224)

FOR STABILITY CLASS - G

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 235

NUMBER OF MISSING WIND OBSERVATIONS: 11

NUMBER OF CALM HOURS: 0



# NIAGARA HONAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE UPPER (9)

DATA FOR JULY 1 1983 THROUGH SEPT 30 1983

JG120\*

STABILITY CLASS - ALL

% FREQUENCY (NO. OF OCCURRENCES) OF WIND DIRECTION WITHIN WIND SPEED CATEGORY

DIR	SPEED (MPH)						TOTAL
	00-03	04-07	08-12	13-18	19-23	>24	
N	0.2 ( 3)	1.9 ( 36)	1.6 ( 30)	1.3 ( 25)	0.4 ( 8)	0.4 ( 8)	5.9 ( 110)
NNE	0.8 ( 15)	2.6 ( 49)	1.4 ( 27)	1.3 ( 25)	0.3 ( 5)	0.4 ( 8)	6.9 ( 129)
NE	0.4 ( 8)	0.9 ( 16)	0.7 ( 13)	0.7 ( 13)	0.2 ( 4)	0.1 ( 1)	2.9 ( 55)
ENE	0.4 ( 8)	1.1 ( 20)	0.4 ( 7)	0.2 ( 3)	0.0 ( 0)	0.0 ( 0)	2.0 ( 38)
E	0.1 ( 2)	0.7 ( 13)	1.4 ( 27)	0.1 ( 2)	0.0 ( 0)	0.0 ( 0)	2.4 ( 44)
ESE	0.2 ( 3)	1.1 ( 20)	0.9 ( 17)	0.9 ( 16)	0.0 ( 0)	0.0 ( 0)	3.0 ( 56)
SE	0.1 ( 2)	0.9 ( 16)	0.6 ( 11)	2.4 ( 44)	0.2 ( 4)	0.2 ( 4)	4.3 ( 81)
SSE	0.2 ( 3)	1.0 ( 18)	1.1 ( 21)	1.9 ( 35)	1.1 ( 21)	0.1 ( 1)	5.3 ( 99)
S	0.1 ( 1)	1.0 ( 18)	2.5 ( 47)	5.6 ( 105)	0.8 ( 14)	0.0 ( 0)	9.9 ( 185)
SSW	0.0 ( 0)	1.0 ( 18)	2.7 ( 50)	6.1 ( 113)	0.3 ( 5)	0.0 ( 0)	10.0 ( 186)
SW	0.2 ( 3)	1.2 ( 22)	2.9 ( 54)	2.5 ( 46)	0.4 ( 8)	0.1 ( 1)	7.2 ( 134)
WSW	0.3 ( 6)	1.8 ( 33)	5.1 ( 95)	4.8 ( 90)	1.6 ( 29)	0.6 ( 12)	14.2 ( 265)
W	0.4 ( 7)	1.9 ( 36)	2.9 ( 54)	2.7 ( 51)	2.7 ( 51)	0.9 ( 17)	11.6 ( 216)
WNW	0.1 ( 2)	1.2 ( 23)	1.8 ( 34)	1.6 ( 29)	0.8 ( 15)	0.4 ( 8)	6.0 ( 111)
NW	0.2 ( 4)	1.3 ( 24)	0.9 ( 16)	1.0 ( 19)	0.5 ( 10)	0.1 ( 2)	4.0 ( 75)
NNW	0.3 ( 5)	1.0 ( 18)	1.4 ( 26)	1.1 ( 20)	0.2 ( 4)	0.4 ( 8)	4.3 ( 81)

TOTAL 3.9 ( 72) 20.4 ( 380) 28.4 ( 529) 34.1 ( 636) 9.5 ( 178) 3.8 ( 70) 100.0 (1865)

FOR STABILITY CLASS - ALL

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 1898

NUMBER OF MISSING WIND OBSERVATIONS: 33

NUMBER OF CALM HOURS: 0



# NIAGARA MOHAWK

## OSWEGO AMBIENT AIR MONITORING

SITE: NINE MILE UPPER (9)

DATA FOR JULY 1 1983 THROUGH SEPT 30 1983

JG120\*

### % FREQUENCY (NO. OF OCCURRENCES) OF WIND DIRECTION WITHIN WIND SPEED CATEGORY

DIR	00-03	04-07	08-12	13-18	19-23	>24	TOTAL
N	0.2 ( 3)	1.9 ( 36)	1.6 ( 30)	1.3 ( 25)	0.4 ( 8)	0.4 ( 8)	5.9 (110)
NNE	0.8 ( 15)	2.6 ( 49)	1.4 ( 27)	1.3 ( 25)	0.3 ( 5)	0.4 ( 8)	6.9 (129)
NE	0.4 ( 8)	0.9 ( 16)	0.7 ( 13)	0.7 ( 13)	0.2 ( 4)	0.1 ( 1)	2.9 ( 55)
ENE	0.4 ( 8)	1.1 ( 20)	0.4 ( 7)	0.2 ( 3)	0.0 ( 0)	0.0 ( 0)	2.0 ( 38)
E	0.1 ( 2)	0.7 ( 13)	1.4 ( 27)	0.1 ( 2)	0.0 ( 0)	0.0 ( 0)	2.4 ( 44)
ESE	0.2 ( 3)	1.1 ( 20)	0.9 ( 17)	0.9 ( 16)	0.0 ( 0)	0.0 ( 0)	3.0 ( 56)
SE	0.1 ( 2)	0.9 ( 16)	0.6 ( 11)	2.4 ( 44)	0.2 ( 4)	0.2 ( 4)	4.3 ( 81)
SSE	0.2 ( 3)	1.0 ( 18)	1.1 ( 21)	1.9 ( 35)	1.1 ( 21)	0.1 ( 1)	5.3 ( 99)
S	0.1 ( 1)	1.0 ( 18)	2.5 ( 47)	5.6 (105)	0.7 ( 14)	0.0 ( 0)	9.9 (185)
SSW	0.0 ( 0)	1.0 ( 18)	2.7 ( 50)	6.1 (113)	0.3 ( 5)	0.0 ( 0)	10.0 (186)
SW	0.2 ( 3)	1.2 ( 22)	2.9 ( 54)	2.5 ( 46)	0.4 ( 8)	0.1 ( 1)	7.2 (134)
WSW	0.3 ( 6)	1.8 ( 33)	5.1 ( 96)	4.8 ( 90)	1.6 ( 29)	0.6 ( 12)	14.2 (266)
W	0.4 ( 7)	1.9 ( 36)	2.9 ( 55)	2.7 ( 51)	2.7 ( 51)	0.9 ( 17)	11.6 (217)
WNW	0.1 ( 2)	1.2 ( 23)	1.8 ( 34)	1.6 ( 29)	0.8 ( 15)	0.4 ( 8)	5.9 (111)
NW	0.2 ( 4)	1.3 ( 24)	0.9 ( 16)	1.0 ( 19)	0.5 ( 10)	0.1 ( 2)	4.0 ( 75)
NNW	0.3 ( 5)	1.0 ( 18)	1.4 ( 26)	1.1 ( 20)	0.2 ( 4)	0.4 ( 8)	4.3 ( 81)
TOTAL	3.9 ( 72)	20.4 ( 380)	28.4 ( 531)	34.1 ( 636)	9.5 ( 178)	3.7 ( 70)	100.0 (1867)

FOR ALL WIND CATEGORIES

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 2208

NUMBER OF MISSING WIND OBSERVATIONS: 341

NUMBER OF CALM HOURS: 0



\*\*\*-\*\*\*-LEGEND-\*\*\*-\*\*\*  
 % FREQUENCY OF WIND DIRECTION WITHIN WIND SPEED CATEGORY

\*\*\* BY STABILITY \*\*\*

JG120\*

SITE: NINE MILE UPPER: WIND SPEED UPPER: 200FT AEROVANE  
 WIND DIRECTION UPPER: 200FT AEROVANE  
 TEMPERATURE DIFFERENCE: (200-27FT)

NINE MILE LOWER: WIND SPEED LOWER: 30FT CUP  
 WIND DIRECTION LOWER: 30FT CUP  
 TEMPERATURE DIFFERENCE: (200-27FT)

STABILITY CLASS: PASQUILL STABILITY CATEGORIES - DEGC/100H

A - EXTREMELY UNSTABLE	LT -1.9
B - MODERATELY UNSTABLE	-1.8 TO -1.7
C - SLIGHTLY UNSTABLE	-1.6 TO -1.5
D - NEUTRAL	-1.4 TO -0.5
E - SLIGHTLY STABLE	-0.4 TO 1.5
F - MODERATELY STABLE	1.6 TO 4.0
G - EXTREMELY STABLE	GT 4.0
ALL - ALL STABILITIES (A-G)	ALL
( ) - ALL WIND	N/A

WIND CLASS: SIX WIND SPEED CATEGORIES - (SEE TABLE HEADINGS) MPH

SIXTEEN WIND DIRECTION CATEGORIES - 22.5 DEG

NOTE: THE DATA CAPTURE STATISTICS ARE GIVEN FOR EACH OF THE NINE  
 CATEGORIES LISTED ABOVE.

CALM WINDS ARE LISTED IN THE 0-3 WIND SPEED CATEGORY.





# NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE UPPER (9)

DATA FOR OCT 1 1983 THROUGH DEC 31 1983

JG120\*

STABILITY CLASS - A

% FREQUENCY (NO. OF OCCURRENCES) OF WIND DIRECTION WITHIN WIND SPEED CATEGORY

DIR	00-03	04-07	08-12	13-18	19-23	>24	TOTAL
N	0.0 ( 0)	0.1 ( 3)	0.1 ( 2)	0.1 ( 3)	0.0 ( 1)	0.0 ( 1)	0.5 ( 10)
NNE	0.0 ( 0)	0.1 ( 3)	0.1 ( 3)	0.3 ( 6)	0.0 ( 0)	0.0 ( 0)	0.6 ( 12)
NE	0.0 ( 0)	0.0 ( 0)	0.0 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 1)
ENE	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
E	0.0 ( 0)	0.0 ( 0)	0.0 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 1)
ESE	0.0 ( 0)	0.0 ( 0)	0.0 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 1)
SE	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 1)
SSE	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
S	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
SSW	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 1)
SW	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.1 ( 2)	0.0 ( 0)	0.1 ( 2)	0.2 ( 4)
WSW	0.0 ( 0)	0.1 ( 2)	0.0 ( 0)	0.0 ( 0)	0.0 ( 1)	0.8 ( 17)	1.0 ( 20)
W	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.3 ( 6)	0.3 ( 6)
NNW	0.0 ( 0)	0.0 ( 0)	0.0 ( 1)	0.0 ( 1)	0.5 ( 10)	1.3 ( 27)	1.9 ( 39)
NN	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.2 ( 4)	0.3 ( 6)	0.5 ( 10)
NNW	0.0 ( 0)	0.1 ( 3)	0.0 ( 0)	0.1 ( 3)	0.1 ( 3)	0.5 ( 10)	0.9 ( 19)
TOTAL	0.0 ( 0)	0.5 ( 11)	0.4 ( 9)	0.6 ( 17)	0.9 ( 19)	3.3 ( 69)	5.9 ( 125)

FOR STABILITY CLASS - A

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 129

NUMBER OF MISSING WIND OBSERVATIONS: 4

NUMBER OF CALM HOURS: 0



# NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE UPPER (9)

DATA FOR OCT 1 1983 THROUGH DEC 31 1983

JG120\*

STABILITY CLASS - B

% FREQUENCY (NO. OF OCCURRENCES) OF WIND DIRECTION WITHIN WIND SPEED CATEGORY

	DIR	00-03	04-07	08-12	13-18	19-23	>24	TOTAL
19	N	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
20	NNE	0.0 ( 0)	0.0 ( 1)	0.0 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.1 ( 2)
21	NE	0.0 ( 0)	0.0 ( 1)	0.0 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.1 ( 2)
22	ENE	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
23	E	0.0 ( 0)	0.0 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 1)
24	ESE	0.0 ( 0)	0.0 ( 1)	0.1 ( 2)	0.0 ( 1)	0.0 ( 0)	0.0 ( 0)	0.2 ( 4)
25	SE	0.0 ( 0)	0.0 ( 1)	0.0 ( 0)	0.1 ( 3)	0.0 ( 0)	0.0 ( 0)	0.2 ( 4)
26	SSE	0.0 ( 0)	0.0 ( 0)	0.0 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 1)
27	S	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 1)
28	SSW	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 1)	0.0 ( 1)	0.0 ( 0)	0.1 ( 2)
29	SW	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 1)	0.1 ( 3)	0.2 ( 4)
30	WSW	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.3 ( 7)	0.3 ( 7)
31	W	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.1 ( 2)	0.0 ( 0)	0.4 ( 9)	0.5 ( 11)
32	WNW	0.0 ( 0)	0.0 ( 1)	0.0 ( 1)	0.2 ( 4)	0.0 ( 0)	0.6 ( 13)	0.9 ( 19)
33	NW	0.0 ( 0)	0.0 ( 0)	0.1 ( 2)	0.0 ( 1)	0.0 ( 1)	0.4 ( 8)	0.6 ( 12)
34	NNW	0.0 ( 0)	0.0 ( 1)	0.0 ( 0)	0.0 ( 0)	0.1 ( 3)	0.1 ( 2)	0.3 ( 6)
35	TOTAL	0.0 ( 0)	0.3 ( 7)	0.4 ( 8)	0.6 ( 13)	0.3 ( 6)	2.0 ( 42)	3.6 ( 76)

FOR STABILITY CLASS - B

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 80

NUMBER OF MISSING WIND OBSERVATIONS: 4

NUMBER OF CALM HOURS: 80



# NIAGARA MOHAWK

## OSWEGO AMBIENT AIR MONITORING

SITE: NINE MILE UPPER (9)

DATA FOR OCT 1 1983 THROUGH DEC 31 1983

JG120\*

STABILITY CLASS - C

% FREQUENCY (NO. OF OCCURRENCES) OF WIND DIRECTION WITHIN WIND SPEED CATEGORY

DIR	00-03	04-07	08-12	13-18	19-23	>24	TOTAL
N	0.0 ( 0)	0.0 ( 0)	0.0 ( 1)	0.0 ( 1)	0.0 ( 0)	0.0 ( 0)	0.1 ( 2)
NNE	0.0 ( 1)	0.1 ( 2)	0.1 ( 2)	0.1 ( 2)	0.0 ( 0)	0.0 ( 1)	0.4 ( 8)
NE	0.0 ( 0)	0.0 ( 1)	0.0 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.1 ( 2)
ENE	0.0 ( 0)	0.0 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 1)
E	0.0 ( 0)	0.1 ( 3)	0.0 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.2 ( 4)
ESE	0.0 ( 0)	0.1 ( 2)	0.1 ( 3)	0.0 ( 1)	0.0 ( 0)	0.0 ( 0)	0.3 ( 6)
SE	0.0 ( 0)	0.2 ( 4)	0.1 ( 2)	0.1 ( 2)	0.0 ( 0)	0.0 ( 0)	0.4 ( 8)
SSE	0.0 ( 0)	0.0 ( 1)	0.0 ( 0)	0.0 ( 1)	0.0 ( 0)	0.0 ( 0)	0.1 ( 2)
S	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
SSW	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 1)	0.0 ( 1)	0.0 ( 0)	0.1 ( 2)
SW	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.1 ( 3)	0.2 ( 5)	0.4 ( 8)
WSW	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.4 ( 9)	0.4 ( 9)
W	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.1 ( 2)	0.1 ( 3)	0.5 ( 11)	0.8 ( 16)
WNW	0.0 ( 0)	0.0 ( 0)	0.1 ( 2)	0.2 ( 4)	0.2 ( 5)	0.4 ( 9)	1.0 ( 20)
NW	0.0 ( 0)	0.0 ( 0)	0.0 ( 1)	0.1 ( 3)	0.5 ( 10)	0.4 ( 8)	1.0 ( 22)
NNW	0.0 ( 0)	0.1 ( 2)	0.1 ( 3)	0.0 ( 0)	0.0 ( 1)	0.0 ( 0)	0.3 ( 6)
TOTAL	0.0 ( 1)	0.8 ( 16)	0.8 ( 16)	0.8 ( 17)	1.1 ( 23)	2.0 ( 43)	5.5 ( 116)

FOR STABILITY CLASS - C

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 117

NUMBER OF MISSING WIND OBSERVATIONS: 1

NUMBER OF CALM HOURS: 0



# NIAGARA-MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE-MILE UPPER (9)

DATA FOR OCT 1 1983 THROUGH DEC 31 1983

JG120\*

## STABILITY CLASS - D

### % FREQUENCY (NO. OF OCCURRENCES) OF WIND DIRECTION WITHIN WIND SPEED CATEGORY

	SPEED (MPH)						
DIR	00-03	04-07	08-12	13-18	19-23	>24	TOTAL
N	0.0 ( 1)	0.0 ( 1)	0.3 ( 6)	0.4 ( 8)	0.1 ( 2)	0.2 ( 5)	1.1 ( 23)
NNE	0.1 ( 3)	0.7 ( 14)	1.2 ( 26)	1.1 ( 24)	1.0 ( 20)	0.9 ( 19)	5.0 ( 106)
NE	0.2 ( 5)	0.9 ( 19)	0.3 ( 7)	0.5 ( 11)	0.0 ( 1)	0.0 ( 0)	2.0 ( 43)
ENE	0.0 ( 0)	0.4 ( 8)	0.2 ( 5)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.6 ( 13)
E	0.1 ( 3)	0.5 ( 10)	0.9 ( 19)	0.7 ( 14)	0.0 ( 0)	0.0 ( 1)	2.2 ( 47)
ESE	0.2 ( 4)	0.5 ( 11)	1.1 ( 24)	1.8 ( 38)	0.8 ( 16)	0.3 ( 7)	4.8 ( 100)
SE	0.1 ( 2)	0.3 ( 6)	1.1 ( 24)	1.0 ( 20)	0.7 ( 15)	0.2 ( 4)	3.4 ( 71)
SSE	0.0 ( 1)	0.6 ( 13)	1.0 ( 20)	0.3 ( 6)	0.1 ( 3)	0.0 ( 0)	2.0 ( 43)
S	0.0 ( 0)	0.3 ( 6)	0.9 ( 19)	0.8 ( 17)	0.0 ( 0)	0.0 ( 0)	2.0 ( 42)
SSW	0.0 ( 0)	0.0 ( 1)	1.4 ( 30)	2.7 ( 56)	0.6 ( 12)	0.0 ( 0)	4.7 ( 99)
SW	0.1 ( 3)	0.2 ( 4)	0.3 ( 6)	1.0 ( 22)	1.0 ( 22)	1.0 ( 20)	3.7 ( 77)
WSW	0.1 ( 2)	0.3 ( 6)	0.4 ( 8)	0.4 ( 8)	0.5 ( 11)	2.9 ( 60)	4.5 ( 95)
W	0.0 ( 0)	0.2 ( 5)	0.3 ( 6)	1.3 ( 27)	1.5 ( 31)	1.9 ( 40)	5.2 ( 109)
WNW	0.1 ( 2)	0.2 ( 4)	0.4 ( 9)	1.3 ( 27)	0.6 ( 13)	1.1 ( 23)	3.7 ( 78)
NW	0.0 ( 1)	0.1 ( 2)	0.3 ( 10)	0.7 ( 14)	1.0 ( 21)	0.4 ( 9)	2.7 ( 57)
NNW	0.0 ( 0)	0.3 ( 6)	0.5 ( 11)	0.5 ( 10)	0.1 ( 3)	0.1 ( 3)	1.6 ( 33)
TOTAL	1.3 ( 27)	5.5 ( 116)	10.9 ( 230)	14.3 ( 302)	9.1 ( 170)	9.1 ( 191)	49.2 ( 1036)

FOR STABILITY CLASS - D

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 1054

NUMBER OF MISSING WIND OBSERVATIONS: 18

NUMBER OF CALM HOURS: 0





# NIAGARA HONAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE UPPER (9)

DATA FOR OCT 1 1983 THROUGH DEC 31 1983

JG120\*

STABILITY CLASS = E

% FREQUENCY (NO. OF OCCURRENCES) OF WIND DIRECTION WITHIN WIND SPEED CATEGORY

DIR	SPEED (MPH)						TOTAL
	00-03	04-07	08-12	13-18	19-23	>24	
N	0.0 ( 1)	0.0 ( 0)	0.0 ( 1)	0.1 ( 2)	0.0 ( 1)	0.0 ( 0)	0.2 ( 5)
NNE	0.0 ( 0)	0.2 ( 4)	0.0 ( 1)	0.6 ( 13)	0.2 ( 4)	0.0 ( 0)	1.0 ( 22)
NE	0.1 ( 3)	0.5 ( 10)	0.4 ( 9)	0.2 ( 5)	0.0 ( 1)	0.0 ( 0)	1.3 ( 28)
ENE	0.2 ( 4)	0.3 ( 7)	0.3 ( 7)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.9 ( 18)
E	0.0 ( 1)	0.2 ( 4)	0.4 ( 9)	0.1 ( 3)	0.0 ( 1)	0.1 ( 3)	1.0 ( 21)
ESE	0.0 ( 1)	0.6 ( 13)	2.3 ( 49)	2.6 ( 54)	0.9 ( 18)	0.1 ( 2)	6.5 ( 137)
SE	0.0 ( 1)	0.4 ( 9)	1.4 ( 30)	2.5 ( 53)	0.8 ( 17)	0.1 ( 3)	5.4 ( 113)
SSE	0.1 ( 2)	0.1 ( 2)	0.9 ( 18)	1.4 ( 29)	0.2 ( 5)	0.0 ( 0)	2.7 ( 56)
S	0.0 ( 0)	0.2 ( 5)	0.8 ( 17)	1.5 ( 31)	0.1 ( 3)	0.0 ( 0)	2.7 ( 56)
SSW	0.0 ( 1)	0.2 ( 5)	0.6 ( 13)	1.0 ( 21)	0.0 ( 1)	0.0 ( 0)	1.9 ( 41)
SW	0.0 ( 1)	0.2 ( 4)	0.3 ( 7)	0.7 ( 14)	0.3 ( 7)	0.0 ( 1)	1.6 ( 34)
WSW	0.0 ( 0)	0.0 ( 1)	0.1 ( 3)	0.3 ( 6)	0.1 ( 3)	0.7 ( 15)	1.3 ( 28)
W	0.0 ( 0)	0.1 ( 2)	0.0 ( 1)	0.1 ( 2)	0.0 ( 1)	0.2 ( 4)	0.5 ( 10)
WNW	0.0 ( 1)	0.1 ( 2)	0.0 ( 1)	0.1 ( 2)	0.2 ( 4)	0.2 ( 4)	0.7 ( 14)
WW	0.0 ( 0)	0.1 ( 2)	0.0 ( 0)	0.0 ( 1)	0.1 ( 3)	0.0 ( 0)	0.3 ( 6)
NNW	0.0 ( 0)	0.0 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 1)	0.1 ( 2)	0.2 ( 4)
TOTAL	0.8 ( 16)	3.4 ( 71)	7.9 ( 166)	11.2 ( 236)	3.3 ( 70)	1.6 ( 34)	28.2 ( 593)

FOR STABILITY CLASS = E

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 597

NUMBER OF MISSING WIND OBSERVATIONS: 4

NUMBER OF CALM HOURS: 0



# NIAGARA MOHAWK

## OSWEGO AMBIENT AIR MONITORING

SITE: NINE MILE UPPER (9)

DATA FOR OCT 1 1983 THROUGH DEC 31 1983

JG120\*

STABILITY CLASS = F

% FREQUENCY (NO. OF OCCURRENCES) OF WIND DIRECTION WITHIN WIND SPEED CATEGORY

	SPEED (MPH)							
DIR	00-03	04-07	08-12	13-18	19-23	>24	TOTAL	
N	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	
NNE	0.0 ( 0)	0.0 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 1)	
NE	0.0 ( 1)	0.1 ( 3)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.2 ( 4)	
ENE	0.1 ( 2)	0.4 ( 8)	0.2 ( 5)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.7 ( 15)	
E	0.0 ( 1)	0.1 ( 2)	0.4 ( 9)	0.2 ( 4)	0.0 ( 0)	0.0 ( 0)	0.8 ( 16)	
ESE	0.0 ( 0)	0.1 ( 2)	0.2 ( 4)	0.5 ( 10)	0.0 ( 1)	0.0 ( 0)	0.8 ( 17)	
SE	0.0 ( 1)	0.0 ( 1)	0.1 ( 2)	0.5 ( 11)	0.0 ( 0)	0.0 ( 0)	0.7 ( 15)	
SSE	0.0 ( 1)	0.0 ( 1)	0.0 ( 1)	0.1 ( 3)	0.0 ( 0)	0.0 ( 0)	0.3 ( 6)	
S	0.0 ( 0)	0.0 ( 1)	0.1 ( 2)	0.4 ( 9)	0.0 ( 0)	0.0 ( 0)	0.6 ( 12)	
SSW	0.0 ( 0)	0.0 ( 1)	0.0 ( 1)	0.1 ( 3)	0.0 ( 0)	0.0 ( 0)	0.2 ( 5)	
SW	0.0 ( 0)	0.1 ( 2)	0.2 ( 4)	0.1 ( 2)	0.0 ( 1)	0.0 ( 0)	0.4 ( 9)	
WSW	0.0 ( 1)	0.0 ( 0)	0.0 ( 1)	0.0 ( 0)	0.0 ( 1)	0.1 ( 3)	0.3 ( 6)	
W	0.0 ( 0)	0.0 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 1)	
WNW	0.0 ( 0)	0.0 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 1)	
NW	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	
NNW	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	
TOTAL	0.3 ( 7)	1.1 ( 24)	1.4 ( 29)	2.0 ( 42)	0.1 ( 3)	0.1 ( 3)	5.1 ( 108)	

FOR STABILITY CLASS = F

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 111

NUMBER OF MISSING WIND OBSERVATIONS: 3

NUMBER OF CALM HOURS: 1



# NIAGARA MOHAWK

## OSWEGO AMBIENT AIR MONITORING

SITE: NINE MILE UPPER (9)

DATA FOR OCT 1 1983 THROUGH DEC 31 1983

JG120\*

STABILITY CLASS - G

% FREQUENCY (NO. OF OCCURRENCES) OF WIND DIRECTION WITHIN WIND SPEED CATEGORY

DIR	00-03	04-07	08-12	13-18	19-23	>24	TOTAL
N	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
NNE	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
NE	0.0 ( 0)	0.0 ( 0)	0.0 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 1)
ENE	0.0 ( 0)	0.1 ( 2)	0.2 ( 4)	0.0 ( 1)	0.0 ( 0)	0.0 ( 0)	0.3 ( 7)
E	0.0 ( 0)	0.1 ( 2)	0.0 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.1 ( 3)
ESE	0.0 ( 0)	0.1 ( 2)	0.1 ( 3)	0.1 ( 2)	0.0 ( 0)	0.0 ( 0)	0.3 ( 7)
SE	0.0 ( 0)	0.1 ( 2)	0.2 ( 4)	0.1 ( 2)	0.0 ( 0)	0.0 ( 0)	0.4 ( 8)
SSE	0.0 ( 1)	0.0 ( 0)	0.1 ( 2)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.1 ( 3)
S	0.0 ( 0)	0.1 ( 2)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.1 ( 2)
SSW	0.1 ( 2)	0.0 ( 1)	0.2 ( 5)	0.2 ( 4)	0.0 ( 0)	0.0 ( 0)	0.6 ( 12)
SW	0.0 ( 1)	0.1 ( 2)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.1 ( 3)
WSW	0.0 ( 1)	0.1 ( 2)	0.0 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.2 ( 4)
W	0.0 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 1)
WNW	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
W	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
NNW	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
TOTAL	0.3 ( 6)	0.7 ( 15)	1.0 ( 21)	0.4 ( 9)	0.0 ( 0)	0.0 ( 0)	2.4 ( 51)

FOR STABILITY CLASS - G

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 52

NUMBER OF MISSING WIND OBSERVATIONS: 1

NUMBER OF CALM HOURS: 0



# NIAGARA MOHAWK

## OSWEGO AMBIENT AIR MONITORING

SITE: NINE MILE UPPER (9)

DATA FOR OCT 1 1983 THROUGH DEC 31 1983

JG120\*

STABILITY CLASS = ALL

% FREQUENCY (NO. OF OCCURRENCES) OF WIND DIRECTION WITHIN WIND SPEED CATEGORY

DIR	SPEED (MPH)						TOTAL
	00-03	04-07	08-12	13-18	19-23	>24	
N	0.1 ( 2)	0.2 ( 4)	0.5 ( 10)	0.7 ( 14)	0.2 ( 4)	0.3 ( 6)	1.9 ( 40)
NNE	0.2 ( 4)	1.2 ( 25)	1.6 ( 33)	2.1 ( 45)	1.1 ( 24)	1.0 ( 20)	7.2 ( 151)
NE	0.4 ( 9)	1.6 ( 34)	1.0 ( 20)	0.8 ( 16)	0.1 ( 2)	0.0 ( 0)	3.8 ( 81)
ENE	0.3 ( 6)	1.2 ( 26)	1.0 ( 21)	0.0 ( 1)	0.0 ( 0)	0.0 ( 0)	2.6 ( 54)
E	0.2 ( 5)	1.0 ( 22)	1.9 ( 40)	1.0 ( 21)	0.0 ( 1)	0.2 ( 4)	4.4 ( 93)
ESE	0.2 ( 5)	1.5 ( 31)	4.1 ( 86)	5.0 ( 106)	1.7 ( 35)	0.4 ( 9)	12.9 ( 272)
SE	0.2 ( 4)	1.1 ( 23)	2.9 ( 62)	4.4 ( 92)	1.5 ( 32)	0.3 ( 7)	10.5 ( 220)
SSE	0.2 ( 5)	0.8 ( 17)	2.0 ( 42)	1.9 ( 39)	0.4 ( 8)	0.0 ( 0)	5.3 ( 111)
S	0.0 ( 0)	0.7 ( 14)	1.8 ( 38)	2.8 ( 58)	0.1 ( 3)	0.0 ( 0)	5.4 ( 113)
SSW	0.1 ( 3)	0.4 ( 8)	2.3 ( 49)	4.1 ( 87)	0.7 ( 15)	0.0 ( 0)	7.7 ( 162)
SW	0.2 ( 5)	0.6 ( 12)	0.8 ( 17)	1.9 ( 40)	1.6 ( 34)	1.5 ( 31)	6.6 ( 139)
WSW	0.2 ( 4)	0.5 ( 11)	0.6 ( 13)	0.7 ( 14)	0.8 ( 16)	5.3 ( 111)	8.0 ( 169)
W	0.0 ( 1)	0.4 ( 8)	0.3 ( 7)	1.6 ( 33)	1.7 ( 35)	3.3 ( 70)	7.3 ( 154)
WNW	0.1 ( 3)	0.4 ( 8)	0.7 ( 14)	1.8 ( 38)	1.5 ( 32)	3.6 ( 76)	8.1 ( 171)
NW	0.0 ( 1)	0.2 ( 4)	0.6 ( 13)	0.9 ( 19)	1.9 ( 39)	1.5 ( 31)	5.1 ( 107)
NNW	0.0 ( 0)	0.6 ( 13)	0.7 ( 14)	0.6 ( 13)	0.5 ( 11)	0.8 ( 17)	3.2 ( 68)

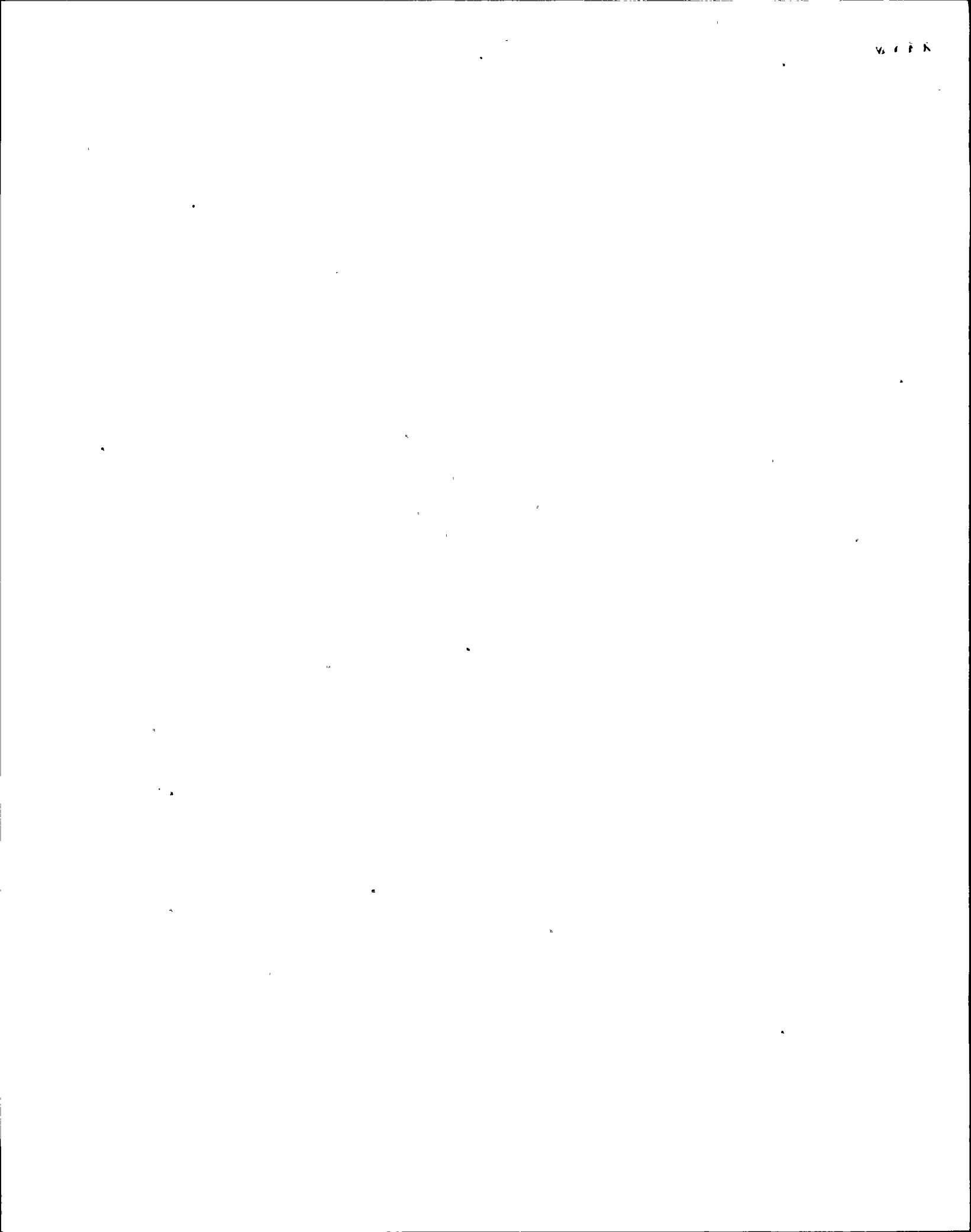
TOTAL 2.7 ( 57) 12.4 ( 260) 22.8 ( 479) 30.2 ( 636) 13.8 ( 291) 16.1 ( 382) 100.0 ( 2105)

FOR STABILITY CLASS = ALL

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 2140

NUMBER OF MISSING WIND OBSERVATIONS: 35

NUMBER OF CALM HOURS: 1





# NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE UPPER (9)

DATA FOR OCT 1 1983 THROUGH DEC 31 1983

JG120\*

% FREQUENCY (NO. OF OCCURRENCES) OF WIND DIRECTION WITHIN WIND SPEED CATEGORY

DIR	00-03	04-07	08-12	13-18	19-23	>24	TOTAL
N	0.1 ( 2)	0.2 ( 4)	0.5 ( 10)	0.7 ( 14)	0.2 ( 4)	0.3 ( 6)	1.9 ( 40)
NNE	0.2 ( 4)	1.2 ( 25)	1.5 ( 33)	2.1 ( 45)	1.1 ( 24)	0.9 ( 20)	7.1 ( 151)
NE	0.4 ( 9)	1.7 ( 36)	1.0 ( 21)	0.7 ( 16)	0.1 ( 2)	0.0 ( 0)	3.9 ( 84)
ENE	0.3 ( 6)	1.2 ( 26)	1.0 ( 21)	0.0 ( 1)	0.0 ( 0)	0.0 ( 0)	2.5 ( 54)
E	0.2 ( 5)	1.0 ( 22)	1.9 ( 40)	1.0 ( 21)	0.0 ( 1)	0.2 ( 4)	4.4 ( 93)
ESE	0.2 ( 5)	1.5 ( 31)	4.0 ( 86)	5.1 ( 109)	1.6 ( 35)	0.4 ( 9)	12.9 ( 275)
SE	0.2 ( 4)	1.1 ( 23)	3.0 ( 64)	4.4 ( 95)	1.5 ( 32)	0.3 ( 7)	10.5 ( 225)
SSE	0.2 ( 5)	0.8 ( 17)	2.2 ( 47)	1.9 ( 41)	0.4 ( 8)	0.0 ( 0)	5.5 ( 118)
S	0.0 ( 0)	0.7 ( 14)	1.9 ( 41)	2.8 ( 59)	0.1 ( 3)	0.0 ( 0)	5.5 ( 117)
SSW	0.1 ( 3)	0.4 ( 8)	2.4 ( 52)	4.4 ( 93)	0.7 ( 15)	0.0 ( 0)	8.0 ( 171)
SW	0.2 ( 5)	0.6 ( 12)	0.8 ( 17)	1.9 ( 40)	1.6 ( 35)	1.5 ( 31)	6.6 ( 140)
WSW	0.2 ( 4)	0.5 ( 11)	0.6 ( 13)	0.7 ( 14)	0.7 ( 16)	5.2 ( 111)	7.9 ( 169)
W	0.0 ( 1)	0.4 ( 8)	0.3 ( 7)	1.5 ( 33)	1.6 ( 35)	3.3 ( 70)	7.2 ( 154)
WNW	0.1 ( 3)	0.4 ( 8)	0.7 ( 14)	1.8 ( 38)	1.5 ( 32)	3.6 ( 76)	8.0 ( 171)
NW	0.0 ( 1)	0.2 ( 4)	0.6 ( 13)	0.9 ( 19)	1.8 ( 39)	1.5 ( 31)	5.0 ( 107)
NNW	0.0 ( 0)	0.6 ( 13)	0.7 ( 14)	0.6 ( 13)	0.5 ( 11)	0.8 ( 17)	3.2 ( 68)
TOTAL	2.7 ( 57)	12.3 ( 262)	23.1 ( 493)	30.5 ( 651)	13.7 ( 292)	17.9 ( 382)	100.0 ( 2137)

FOR ALL WIND CATEGORIES

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 2208

NUMBER OF MISSING WIND OBSERVATIONS: 71

NUMBER OF CALM HOURS: 1

