

NINE MILE POINT NUCLEAR STATION

RADIOACTIVE EFFLUENT RELEASE

SEMI-ANNUAL REPORT

JULY - DECEMBER 1982

DOCKET NO.: 50-220

LICENSE NO.: DPR-63

NIAGARA MOHAWK POWER CORPORATION

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NINE MILE POINT NUCLEAR STATION
 RADIOACTIVE EFFLUENT RELEASE SEMI-ANNUAL REPORT
 JULY - DECEMBER 1982

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:

$$\sum_i [Q'_s (1.6\bar{E}_{1\gamma} + 0.3\bar{E}_{1\beta}) + Q_s (2.7\bar{E}_{1\gamma} + 0.5\bar{E}_{1\beta}) + Q_v (11.0\bar{E}_{1\gamma} + 24.0\bar{E}_{1\beta})] \leq 1$$

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)

i = the individual nuclide

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

\bar{E}_β = 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:

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

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 - Sept) = $2.67E-05$ μ Ci/ml

AVE MPC (Oct - Dec) = $2.90E-05$ μ Ci/ml*

*Excludes abnormal discharge [see section 6(a)]

3. Average Energy (Fission and activation gases)

July-Sept	Unit Shutdown
Oct-Dec.	Unit Shutdown

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: Stack monitor calibrated to (GeLi) isotopic analysis of 4 L Marinelli beaker.
- b) Iodines: Weekly analysis (GeLi) of stack sampler charcoal cartridge.
- c) Particulates: Isotopic analysis (GeLi) of stack sampler filters.
- d) Liquid Effluents: GeLi isotopic of representative sample of each batch.

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: 2
2. Total time period for batch releases: 152 hours 50 min.
3. Maximum time period for a batch release: 76 hours 35 min.
4. Average time period for a batch release: 76 hours 25 min.
5. Minimum time period for a batch release: 76 hours 15 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. Liquid Release Estimates

1. Number of abnormal releases: 1
2. Activity released (excluding tritium): $2.04\text{E-}03$ Curies
3. Volume released: $2.73\text{E+}04$ liters
4. Dilution Water Flows: $5.68\text{E+}04$ liters/min
5. Time period of release: 24 hours
6. Specific activity (before canal dilution): $7.47\text{E-}05$ $\mu\text{Ci/ml}$
7. MPC: $2.28\text{E-}05$ $\mu\text{Ci/ml}$
8. % MPC: 0.11
9. Nuclide composition:

Cobalt - 60	%	$7.50\text{E+}01$
Cesium - 137	%	$1.72\text{E+}01$
Cesium - 134	%	$7.80\text{E+}00$
10. Tritium released: $4.31\text{E-}04$ Curies
11. Gross alpha released: $4.80\text{E-}08$ Curies

b. Gaseous - none

TABLE 1A

RADIOACTIVE EFFLUENT RELEASE SEMI-ANNUAL REPORT (1982)
 NINE MILE POINT NUCLEAR STATION #1
 GASEOUS EFFLUENTS-SUMMATION OF ALL RELEASES

	<u>UNIT</u>	<u>3rd QUARTER</u>	<u>4th QUARTER</u>	<u>EST.TOTAL ERROR, %</u>
<u>A. Fission & Activation gases</u>				
1. Total release	Ci	Unit	Unit	
2. Average release rate for period	μCi/sec	Shutdown	Shutdown	
3. Percent of Technical Specification limit	%	*	*	
<u>B. Iodines</u>				
1. Total iodine-131	Ci	Unit	Unit	
2. Average release rate for period	μCi/sec	Shutdown	Shutdown	
3. Percent of Technical Specification limit	%	*	*	
<u>C. Particulates</u>				
1. Particulates with half- lives >8 days	Ci	2.03E-03	1.52E-03	2.0E+01
2. Average release rate for period	μCi/sec	2.55E-04	1.91E-04	
3. Percent of Technical Specification limit	%	*	*	
4. Gross alpha radio- activity	Ci	2.43E-05	1.28E-05	
<u>D. Tritium</u>				
1. Total release	Ci	1.29E+01	3.97E+00	2.0E+01
2. Average release rate for period	μCi/sec	1.62E+00	4.99E-01	
3. Percent of Technical Specification limit	%	None Specified		

E.* Percent of Technical Specification Limits

Fission and activation gases

1. NMP-1 elevated release	%	Unit Shutdown	Unit Shutdown
2. JAF elevated release	%	1.09E+00	7.02E-01
3. JAF ground-level release	%	6.53E-02	1.50E-01
4. Total Site Release	%	1.16E+00	8.52E-01

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

5. NMP-1 elevated release	%	3.06E-04	2.29E-04
6. JAF elevated release	%	3.28E-03	2.79E-03
7. JAF ground-level release	%	8.19E-03	1.93E-03
8. Total Site Release	%	1.18E-02	4.95E-03

TABLE 1B

RADIOACTIVE EFFLUENT RELEASE SEMI-ANUAL REPORT (1982)
 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	-	-
krypton-87	Ci	-	-
krypton-88	Ci	-	-
xenon-133	Ci	-	-
xenon-135	Ci	-	-
xenon-135m	Ci	-	-
xenon-138	Ci	-	-
Total for period	Ci	Unit Shutdown	Unit Shutdown
2. <u>Iodines</u>			
iodine-131	Ci	-	-
iodine-133	Ci	-	-
iodine-135	Ci	-	-
Total for period	Ci	Unit Shutdown	Unit Shutdown
3. <u>Particulates</u>			
strontium-89	Ci	1.36E-05	<3.13E-06
strontium-90	Ci	<1.36E-06	<1.50E-06
cesium-134	Ci	6.31E-06	-
cesium-137	Ci	2.13E-04	1.57E-04
cobalt-60	Ci	1.77E-03	1.35E-03
cobalt-58	Ci	-	-
manganese-54	Ci	2.31E-05	2.89E-05
barium-lanthanum-140	Ci	-	-
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 (1982)
GASEOUS EFFLUENTS-GROUND LEVEL RELEASES

July - December

There are no ground-level releases from the Nine Mile Point Nuclear
Station Unit #1.

TABLE 2A

RADIOACTIVE EFFLUENT RELEASE SEMI-ANNUAL REPORT (1982)
 NINE MILE POINT NUCLEAR STATION #1
 LIQUID EFFLUENTS-SUMMATION OF ALL RELEASES*

	<u>UNIT</u>	<u>3rd QUARTER</u>	<u>4th QUARTER</u>	<u>EST.TOTAL ERROR, %</u>
<u>A. Fission & Activation products</u>				
1. Total release (not including tritium, gases, alpha)	Ci	9.47E-04	1.56E-03	2.0E+01
2. Average diluted con- centration during period	µCi/ml	7.96E-09	5.57E-09	
3. Percent of applicable limit	%	2.98E-02	1.92E-02	
<u>B. Tritium</u>				
1. Total release	Ci	2.22E+00	3.60E+00	2.0E+01
2. Average diluted con- centration during period	µCi/ml	1.87E-05	1.29E-05	
3. Percent of applicable limit	%	6.23E-01	4.30E-01	
<u>C. Dissolved and entrained gases</u>				
1. Total release	Ci	-	-	2.0E+01
2. Average diluted con- centration during period	µCi/ml	-	-	
3. Percent of applicable limit	%	None Specified		
<u>D. Gross alpha radioactivity</u>				
1. Total release	Ci	<1.00E-06	1.14E-06	2.0E+01
<u>E. Volume of Waste Released</u>				
(Prior to dilution)	liters	9.65E+05	4.50E+05	1.0E+01
<u>F. Volume of Dilution Water used during period</u>				
	liters	1.19E+08	2.80E+08	1.0E+01

*Excludes data from abnormal discharge (See Section 6 [a])

TABLE 2B

RADIOACTIVE EFFLUENT RELEASE SEMI-ANNUAL REPORT
NINE MILE POINT NUCLEAR STATION #1
LIQUID EFFLUENTS

Nuclides Released	<u>Unit</u>	BATCH MODE	BATCH MODE
		<u>3rd Quarter</u>	<u>4th Quarter</u>
strontium-89	Ci	<2.85E-06	<6.66E-06
strontium-90	Ci	<1.83E-06	<4.24E-06
cesium-134	Ci	-	-
cesium-137	Ci	2.31E-04	1.54E-04
iodine-131	Ci	-	-
cobalt-58	Ci	-	-
cobalt-60	Ci	7.16E-04	1.40E-03
manganese-54	Ci	-	-
chromium-51	Ci	-	-
zirconium-niobium-95	Ci	-	-
barium-lanthanum-140	Ci	-	-
tungsten-187	Ci	-	-
arsenic-76	Ci	-	-
iodine-133	Ci	-	-
iron-59	Ci	-	-
neptunium-239	Ci	-	-
praseodymium-144	Ci	-	-
iodine-135	Ci	-	-
xenon-133	Ci	-	-
xenon-135	Ci	-	-

TABLE 3

RADIOACTIVE EFFLUENT RELEASE SEMI-ANNUAL REPORT (1982)
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 ³	4.15E+01	2.5E+01
	Ci	4.64E+01	
Resin or Filter Sludge	m ³	3.57E+01	2.5E+01
	Ci	7.36E+02	
Liquid Waste	m ³	None	-----
	Ci	-----	
b. Dry Compressible Waste or Contaminated Equipment	m ³	3.25E+02	2.5E+01
	Ci	1.33E+01	
c. Irradiated Components	m ³	None	-----
	Ci	-----	

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

a. Evaporator Bottoms - Resins - Filter Sludges		
Cobalt-60	%	4.79E+01
Cesium-137	%	4.57E+01
Cesium-134	%	4.50E+00
Manganese-54	%	1.90E+00
b. Dry Compressible Waste		
Cobalt-60	%	6.83E+01
Cesium-137	%	2.93E+01
Cesium-134	%	2.40E+00
c. Irradiated Components		
None		

3. Solid Waste Disposition

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

B. IRRADIATED FUEL SHIPMENTS (Disposition)

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

***** 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 JULY 1 1982 THROUGH SEPT 30 1982

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	0.2 (3)	0.3 (5)	0.6 (12)	0.2 (4)	0.2 (3)	0.0 (0)	1.4 (27)
NNE	0.1 (1)	0.2 (4)	0.1 (2)	0.6 (11)	0.1 (1)	0.0 (0)	1.0 (19)
NE	0.0 (0)	0.3 (6)	0.1 (2)	0.2 (4)	0.1 (1)	0.0 (0)	0.7 (13)
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)	0.1 (1)	0.2 (4)	0.0 (0)	0.0 (0)	0.0 (0)	0.3 (5)
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 (2)	0.4 (7)	0.1 (1)	0.0 (0)	0.0 (0)	0.5 (10)
S	0.0 (0)	0.0 (0)	0.3 (5)	0.4 (7)	0.0 (0)	0.1 (1)	0.7 (13)
SSW	0.0 (0)	0.1 (1)	0.0 (0)	0.1 (2)	0.1 (1)	0.0 (0)	0.2 (4)
SW	0.0 (0)	0.0 (0)	0.2 (3)	0.1 (1)	0.0 (0)	0.0 (0)	0.2 (4)
WSW	0.0 (0)	0.0 (0)	0.0 (0)	0.3 (5)	0.3 (5)	0.0 (0)	0.5 (10)
W	0.0 (0)	0.3 (6)	0.1 (1)	0.0 (0)	0.0 (0)	0.1 (2)	0.5 (9)
WNW	0.0 (0)	0.2 (4)	0.3 (5)	0.1 (1)	0.1 (2)	0.1 (2)	0.7 (14)
NW	0.0 (0)	0.7 (13)	0.2 (4)	0.1 (2)	0.2 (3)	0.1 (2)	1.2 (24)
NNW	0.3 (5)	0.6 (12)	0.5 (10)	0.1 (2)	0.1 (1)	0.0 (0)	1.5 (30)
TOTAL	0.5 (9)	2.7 (54)	2.8 (55)	2.0 (40)	0.9 (17)	0.4 (7)	9.1 (182)

FOR STABILITY CLASS - A

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 182

NUMBER OF MISSING WIND OBSERVATIONS: 0

NUMBER OF CALM HOURS: 8

NIAGARA HONAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE UPPER (9)

DATA FOR JULY 1 1982 THROUGH SEPT 30 1982

JG120*

STABILITY CLASS - B

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

DIR	00-03	04-07	08-12	SPEED (MPH) 13-18	19-23	>24	TOTAL
N	0.0 (0)	0.2 (4)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.2 (4)
NNE	0.1 (1)	0.3 (5)	0.1 (1)	0.1 (1)	0.1 (2)	0.1 (1)	0.6 (11)
NE	0.1 (1)	0.1 (1)	0.1 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.2 (3)
ENE	0.0 (0)	0.1 (2)	0.1 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.2 (3)
E	0.0 (0)	0.1 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.1 (1)
ESE	0.0 (0)	0.0 (0)	0.1 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.1 (1)
SE	0.0 (0)	0.0 (0)	0.1 (2)	0.0 (0)	0.0 (0)	0.0 (0)	0.1 (2)
SSE	0.0 (0)	0.0 (0)	0.1 (2)	0.0 (0)	0.0 (0)	0.0 (0)	0.1 (2)
S	0.0 (0)	0.1 (1)	0.1 (2)	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)	0.1 (2)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.1 (2)
WSW	0.0 (0)	0.1 (2)	0.0 (0)	0.1 (1)	0.2 (3)	0.0 (0)	0.3 (6)
W	0.0 (0)	0.1 (1)	0.1 (1)	0.1 (2)	0.2 (3)	0.1 (1)	0.4 (8)
WNW	0.0 (0)	0.1 (2)	0.3 (6)	0.2 (3)	0.0 (0)	0.0 (0)	0.6 (11)
NW	0.0 (0)	0.1 (1)	0.1 (1)	0.1 (2)	0.1 (1)	0.1 (1)	0.3 (6)
NNW	0.1 (1)	0.0 (0)	0.0 (0)	0.1 (1)	0.0 (0)	0.1 (1)	0.2 (3)
TOTAL	0.2 (3)	1.1 (22)	1.0 (19)	0.5 (10)	0.5 (9)	0.2 (4)	3.4 (67)

FOR STABILITY CLASS - B

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 68

NUMBER OF MISSING WIND OBSERVATIONS: 1

NUMBER OF CALM HOURS: 2

NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE UPPER (9)

DATA FOR JULY 1 1982 THROUGH SEPT 30 1982

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 (3)	0.3 (5)	0.1 (1)	0.1 (1)	0.0 (0)	0.5 (10)
NNE	0.0 (0)	0.2 (3)	0.1 (2)	0.3 (5)	0.3 (6)	0.0 (0)	0.8 (16)
NE	0.0 (0)	0.1 (2)	0.3 (5)	0.3 (5)	0.1 (1)	0.0 (0)	0.7 (13)
ENE	0.0 (0)	0.1 (2)	0.2 (3)	0.1 (2)	0.0 (0)	0.0 (0)	0.4 (7)
E	0.0 (0)	0.0 (0)	0.1 (2)	0.0 (0)	0.0 (0)	0.0 (0)	0.1 (2)
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 (1)	0.2 (3)	0.0 (0)	0.0 (0)	0.0 (0)	0.2 (4)
SSE	0.0 (0)	0.2 (3)	0.3 (6)	0.0 (0)	0.0 (0)	0.0 (0)	0.5 (9)
S	0.0 (0)	0.0 (0)	0.2 (3)	0.1 (2)	0.0 (0)	0.0 (0)	0.3 (5)
SSW	0.0 (0)	0.0 (0)	0.4 (8)	0.0 (0)	0.0 (0)	0.0 (0)	0.4 (8)
SW	0.0 (0)	0.1 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.1 (1)
WSW	0.0 (0)	0.1 (1)	0.1 (2)	0.4 (8)	0.2 (4)	0.0 (0)	0.8 (15)
W	0.0 (0)	0.3 (6)	0.5 (10)	0.4 (8)	0.1 (2)	0.2 (3)	1.5 (29)
WNW	0.0 (0)	0.2 (4)	0.1 (1)	0.2 (4)	0.1 (1)	0.1 (2)	0.6 (12)
NW	0.0 (0)	0.1 (1)	0.1 (1)	0.1 (1)	0.1 (2)	0.0 (0)	0.3 (5)
NNW	0.0 (0)	0.1 (2)	0.1 (1)	0.0 (0)	0.1 (1)	0.0 (0)	0.2 (4)
TOTAL	0.0 (0)	1.5 (30)	2.6 (52)	1.8 (36)	0.9 (18)	0.3 (5)	7.1 (141)

FOR STABILITY CLASS - C

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 147

NUMBER OF MISSING WIND OBSERVATIONS: 6

NUMBER OF CALM HOURS: 0

NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE UPPER (9)

DATA FOR JULY 1 1982 THROUGH SEPT 30 1982

JG120*

STABILITY CLASS - D

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

DIR	00-03	04-07	08-12	SPEED (MPH) 13-18	19-23	>24	TOTAL
N	0.0 (0)	0.4 (7)	0.2 (3)	0.3 (6)	0.1 (2)	0.2 (3)	1.1 (21)
NNE	0.2 (3)	0.2 (4)	0.5 (9)	1.3 (25)	0.3 (5)	0.1 (2)	2.4 (48)
NE	0.2 (4)	0.5 (9)	0.8 (15)	0.6 (11)	0.1 (1)	0.0 (0)	2.0 (40)
ENE	0.0 (0)	0.3 (6)	0.2 (3)	0.3 (6)	0.0 (0)	0.0 (0)	0.8 (15)
E	0.1 (2)	0.2 (4)	0.1 (1)	0.1 (1)	0.0 (0)	0.0 (0)	0.4 (8)
ESE	0.1 (1)	0.3 (5)	0.3 (5)	0.3 (5)	0.0 (0)	0.0 (0)	0.8 (16)
SE	0.0 (0)	0.2 (4)	0.6 (12)	0.3 (5)	0.3 (6)	0.0 (0)	1.4 (27)
SSE	0.1 (2)	0.2 (4)	0.8 (15)	0.4 (7)	0.1 (1)	0.0 (0)	1.5 (29)
S	0.1 (1)	0.3 (5)	0.9 (18)	0.9 (17)	0.1 (2)	0.0 (0)	2.2 (43)
SSW	0.0 (0)	0.3 (5)	0.9 (18)	0.4 (8)	0.1 (2)	0.0 (0)	1.7 (33)
SW	0.0 (0)	0.3 (6)	0.7 (13)	0.6 (12)	0.1 (2)	0.0 (0)	1.7 (33)
WSW	0.1 (1)	0.1 (1)	1.0 (19)	1.7 (34)	0.5 (10)	0.3 (6)	3.6 (71)
W	0.1 (1)	0.5 (10)	0.7 (13)	1.9 (37)	1.0 (19)	1.6 (31)	5.6 (111)
WNW	0.3 (5)	0.4 (8)	0.7 (13)	0.5 (10)	0.8 (15)	0.7 (13)	3.2 (64)
NW	0.0 (0)	0.3 (5)	0.4 (7)	0.6 (12)	1.4 (27)	0.6 (11)	3.1 (62)
NNW	0.1 (1)	0.3 (5)	0.5 (9)	0.4 (7)	0.3 (5)	0.1 (2)	1.5 (29)
TOTAL	1.1 (21)	4.4 (88)	8.7 (173)	10.2 (203)	4.9 (97)	3.4 (68)	32.6 (650)

FOR STABILITY CLASS - D

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 659

NUMBER OF MISSING WIND OBSERVATIONS: 9

NUMBER OF CALM HOURS: 1

NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE UPPER (9)

DATA FOR JULY 1 1982 THROUGH SEPT 30 1982

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 (2)	0.2 (3)	0.1 (2)	0.3 (5)	0.0 (0)	0.0 (0)	0.6 (12)
NNE	0.0 (0)	0.3 (5)	0.7 (13)	0.3 (6)	0.0 (0)	0.0 (0)	1.2 (24)
NE	0.1 (1)	0.3 (5)	0.4 (8)	0.2 (4)	0.0 (0)	0.0 (0)	0.9 (18)
ENE	0.0 (0)	0.4 (8)	0.4 (7)	0.1 (2)	0.0 (0)	0.0 (0)	0.9 (17)
E	0.0 (0)	0.0 (0)	0.3 (5)	0.1 (1)	0.0 (0)	0.0 (0)	0.3 (6)
ESE	0.0 (0)	0.2 (3)	0.3 (6)	0.6 (12)	0.1 (1)	0.0 (0)	1.1 (22)
SE	0.0 (0)	0.2 (3)	0.6 (12)	2.3 (45)	0.4 (7)	0.0 (0)	3.4 (67)
SSE	0.0 (0)	0.1 (2)	0.6 (11)	2.3 (45)	0.4 (8)	0.0 (0)	3.3 (66)
S	0.0 (0)	0.4 (8)	0.8 (15)	2.3 (46)	0.1 (1)	0.0 (0)	3.5 (70)
SSW	0.0 (0)	0.2 (4)	0.7 (14)	1.6 (31)	0.1 (1)	0.0 (0)	2.5 (50)
SW	0.0 (0)	0.3 (6)	0.9 (17)	0.8 (15)	0.1 (2)	0.0 (0)	2.0 (40)
WSW	0.0 (0)	0.2 (3)	1.1 (21)	1.0 (19)	0.5 (10)	0.1 (1)	2.7 (54)
W	0.2 (4)	0.3 (5)	0.4 (8)	0.2 (3)	0.2 (4)	0.0 (0)	1.2 (24)
NNW	0.0 (0)	0.1 (1)	0.1 (2)	0.1 (2)	0.1 (1)	0.0 (0)	0.3 (6)
NW	0.1 (1)	0.2 (4)	0.1 (1)	0.1 (1)	0.0 (0)	0.0 (0)	0.4 (7)
NNW	0.1 (1)	0.5 (9)	0.2 (3)	0.3 (5)	0.0 (0)	0.0 (0)	0.9 (18)
TOTAL	0.5 (9)	3.5 (69)	7.3 (145)	12.1 (242)	1.8 (35)	0.1 (1)	25.1 (501)

FOR STABILITY CLASS - E

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 509

NUMBER OF MISSING WIND OBSERVATIONS: 8

NUMBER OF CALM HOURS: 1

NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE UPPER (9)

DATA FOR JULY 1 1982 THROUGH SEPT 30 1982

JG120*

STABILITY CLASS - F

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

DIR	00-03	04-07	08-12	SPEED (MPH) 13-18	19-23	>24	TOTAL
N	0.1 (1)	0.1 (1)	0.2 (4)	0.0 (0)	0.0 (0)	0.0 (0)	0.3 (6)
NNE	0.0 (0)	0.2 (3)	0.1 (1)	0.1 (2)	0.0 (0)	0.0 (0)	0.3 (6)
NE	0.1 (2)	0.4 (7)	0.2 (3)	0.0 (0)	0.0 (0)	0.0 (0)	0.6 (12)
ENE	0.0 (0)	0.2 (4)	0.0 (0)	0.1 (1)	0.0 (0)	0.0 (0)	0.3 (5)
E	0.1 (2)	0.1 (1)	0.1 (2)	0.1 (2)	0.0 (0)	0.0 (0)	0.4 (7)
ESE	0.1 (1)	0.1 (2)	0.4 (7)	0.2 (4)	0.0 (0)	0.0 (0)	0.7 (14)
SE	0.0 (0)	0.0 (0)	0.2 (3)	0.8 (16)	0.0 (0)	0.0 (0)	1.0 (19)
SSE	0.1 (1)	0.2 (3)	0.3 (5)	1.1 (22)	0.0 (0)	0.0 (0)	1.6 (31)
S	0.0 (0)	0.1 (2)	0.2 (4)	0.8 (15)	0.0 (0)	0.0 (0)	1.1 (21)
SSW	0.0 (0)	0.1 (1)	0.1 (2)	0.1 (2)	0.1 (1)	0.0 (0)	0.3 (6)
SN	0.0 (0)	0.3 (5)	0.4 (8)	0.6 (11)	0.0 (0)	0.0 (0)	1.2 (24)
WSW	0.1 (1)	0.2 (3)	0.4 (8)	0.1 (2)	0.1 (2)	0.0 (0)	0.8 (16)
W	0.1 (1)	0.2 (4)	0.1 (2)	0.1 (1)	0.0 (0)	0.0 (0)	0.4 (8)
WNW	0.0 (0)	0.1 (1)	0.1 (1)	0.1 (1)	0.0 (0)	0.0 (0)	0.2 (3)
NW	0.0 (0)	0.1 (1)	0.1 (1)	0.1 (2)	0.0 (0)	0.0 (0)	0.2 (4)
NNW	0.1 (1)	0.1 (2)	0.3 (6)	0.1 (2)	0.0 (0)	0.0 (0)	0.6 (11)
TOTAL	0.5 (10)	2.0 (40)	2.9 (57)	4.2 (83)	0.2 (3)	0.0 (0)	9.7 (193)

FOR STABILITY CLASS - F

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 200

NUMBER OF MISSING WIND OBSERVATIONS: 7

NUMBER OF CALM HOURS: 3

NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE UPPER (9)

DATA FOR JULY 1 1982 THROUGH SEPT 30 1982

JG120*

STABILITY CLASS - G

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

DIR	00-03	04-07	08-12	SPEED (MPH) 13-18	19-23	>24	TOTAL
N	0.0 (0)	0.0 (0)	0.1 (1)	0.1 (1)	0.0 (0)	0.0 (0)	0.1 (2)
NNE	0.0 (0)	0.3 (5)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.3 (5)
NE	0.2 (3)	0.4 (8)	0.1 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.6 (12)
ENE	0.1 (1)	0.5 (10)	0.3 (6)	0.0 (0)	0.0 (0)	0.0 (0)	0.9 (17)
E	0.3 (6)	0.2 (4)	0.4 (8)	0.2 (3)	0.0 (0)	0.0 (0)	1.1 (21)
ESE	0.3 (5)	0.2 (4)	0.5 (10)	0.2 (4)	0.0 (0)	0.0 (0)	1.2 (23)
SE	0.1 (1)	0.4 (7)	0.2 (3)	0.2 (3)	0.0 (0)	0.0 (0)	0.7 (14)
SSE	0.0 (0)	0.3 (5)	0.5 (9)	0.4 (8)	0.0 (0)	0.0 (0)	1.1 (22)
S	0.1 (2)	0.4 (7)	0.7 (13)	0.4 (8)	0.1 (1)	0.0 (0)	1.6 (31)
SSW	0.1 (1)	0.2 (3)	0.2 (4)	0.3 (5)	0.0 (0)	0.0 (0)	0.7 (13)
SW	0.1 (2)	0.0 (0)	0.6 (11)	0.5 (10)	0.0 (0)	0.0 (0)	1.2 (23)
WSW	0.2 (3)	0.3 (6)	0.5 (10)	0.2 (3)	0.0 (0)	0.0 (0)	1.1 (22)
W	0.1 (2)	0.4 (7)	0.1 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.5 (10)
WNW	0.2 (3)	0.2 (3)	0.1 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.4 (7)
NW	0.0 (0)	0.1 (1)	0.1 (2)	0.1 (1)	0.0 (0)	0.0 (0)	0.2 (4)
NNW	0.1 (1)	0.2 (4)	0.2 (4)	0.0 (0)	0.0 (0)	0.0 (0)	0.5 (9)
TOTAL	1.5 (30)	3.7 (74)	4.2 (84)	2.3 (46)	0.1 (1)	0.0 (0)	11.8 (235)

FOR STABILITY CLASS - G

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 238

NUMBER OF MISSING WIND OBSERVATIONS: 3

NUMBER OF CALM HOURS: 10

NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE UPPER (9)

DATA FOR JULY 1 1982 THROUGH SEPT 30 1982

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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	0.3 (6)	1.2 (23)	1.4 (28)	1.0 (19)	0.3 (6)	0.2 (3)	4.3 (85)
NNE	0.3 (5)	1.5 (29)	1.5 (30)	2.8 (55)	0.7 (14)	0.2 (3)	6.8 (136)
NE	0.6 (11)	2.0 (39)	1.8 (36)	1.3 (25)	0.2 (3)	0.0 (0)	5.7 (114)
ENE	0.1 (1)	1.6 (32)	1.0 (20)	0.6 (11)	0.0 (0)	0.0 (0)	3.2 (64)
E	0.5 (10)	0.6 (11)	1.1 (22)	0.4 (7)	0.0 (0)	0.0 (0)	2.5 (50)
ESE	0.4 (7)	0.8 (15)	1.5 (29)	1.3 (25)	0.1 (1)	0.0 (0)	3.9 (77)
SE	0.1 (1)	0.8 (15)	1.8 (35)	3.5 (69)	0.7 (13)	0.0 (0)	6.7 (133)
SSE	0.2 (3)	1.0 (19)	2.8 (55)	4.2 (83)	0.5 (9)	0.0 (0)	8.5 (169)
S	0.2 (3)	1.2 (23)	3.0 (60)	4.8 (95)	0.2 (4)	0.1 (1)	9.3 (186)
SSW	0.1 (1)	0.7 (14)	2.6 (51)	2.4 (48)	0.3 (5)	0.0 (0)	6.0 (119)
SW	0.1 (2)	1.1 (22)	2.7 (54)	2.5 (50)	0.2 (4)	0.0 (0)	6.6 (132)
WSW	0.3 (5)	0.8 (16)	3.1 (61)	3.6 (72)	1.7 (34)	0.4 (7)	9.8 (195)
W	0.4 (8)	2.0 (39)	1.9 (37)	2.6 (51)	1.4 (28)	1.9 (37)	10.0 (200)
WNW	0.4 (8)	1.2 (23)	1.5 (29)	1.1 (21)	1.0 (19)	0.9 (17)	5.9 (117)
NW	0.1 (1)	1.3 (26)	0.9 (17)	1.1 (21)	1.7 (33)	0.7 (14)	5.6 (112)
NNW	0.5 (10)	1.7 (34)	1.7 (33)	0.9 (17)	0.4 (7)	0.2 (3)	5.2 (104)
TOTAL	4.1 (82)	19.1 (380)	30.0 (597)	33.6 (669)	9.0 (180)	4.3 (85)	100.0 (1993)

FOR STABILITY CLASS - ALL

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 2027

NUMBER OF MISSING WIND OBSERVATIONS: 34

NUMBER OF CALM HOURS: 25

NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE UPPER (9)

DATA FOR JULY 1 1982 THROUGH SEPT 30 1982

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	0.3 (6)	1.2 (24)	1.5 (30)	0.9 (19)	0.3 (6)	0.3 (6)	4.2 (85)
NNE	0.2 (5)	1.7 (35)	1.7 (35)	2.9 (59)	0.7 (14)	0.5 (10)	7.1 (144)
NE	0.6 (12)	2.0 (41)	2.0 (41)	1.2 (25)	0.1 (3)	0.1 (3)	5.8 (119)
ENE	0.1 (2)	1.6 (32)	1.0 (20)	0.5 (11)	0.0 (0)	0.0 (0)	3.2 (65)
E	0.5 (10)	0.5 (11)	1.1 (22)	0.3 (7)	0.0 (0)	0.0 (0)	2.5 (50)
ESE	0.4 (8)	0.7 (15)	1.4 (29)	1.2 (25)	0.0 (1)	0.0 (0)	3.8 (78)
SE	0.0 (1)	0.8 (16)	1.7 (35)	3.4 (69)	0.6 (13)	0.0 (0)	6.6 (134)
SSE	0.1 (3)	1.0 (20)	2.7 (55)	4.1 (83)	0.4 (9)	0.0 (0)	8.3 (170)
S	0.1 (3)	1.3 (26)	3.0 (62)	4.7 (96)	0.2 (4)	0.0 (1)	9.4 (192)
SSW	0.0 (1)	0.9 (18)	2.6 (54)	2.4 (48)	0.2 (5)	0.2 (4)	6.0 (122)
SW	0.2 (4)	1.2 (24)	2.8 (57)	2.6 (53)	0.2 (4)	0.2 (5)	6.7 (137)
WSW	0.2 (5)	0.8 (17)	3.0 (62)	3.6 (73)	1.7 (34)	0.4 (8)	9.7 (197)
W	0.4 (8)	2.1 (42)	1.9 (39)	2.9 (59)	1.4 (28)	1.9 (38)	10.4 (212)
WNW	0.4 (8)	1.1 (23)	1.4 (29)	1.1 (22)	0.9 (19)	0.8 (17)	5.8 (118)
NW	0.0 (1)	1.3 (26)	0.8 (17)	1.0 (21)	1.6 (33)	0.7 (14)	5.5 (112)
NNW	0.5 (10)	1.7 (34)	1.6 (33)	0.8 (17)	0.3 (7)	0.1 (3)	5.1 (104)
TOTAL	4.3 (87)	19.8 (404)	30.4 (620)	33.7 (687)	8.8 (180)	4.2 (85)	100.0 (2039)

FOR ALL WIND CATEGORIES

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 2208

NUMBER OF MISSING WIND OBSERVATIONS: 169

NUMBER OF CALM HOURS: 25

***** 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 - DEGC7100M

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

OSNEGO

AMBIENT AIR MONITORING

SITE: NINE MILE UPPER (9)

DATA FOR OCT 1 1982 THROUGH DEC 31 1982

JG120*

STABILITY CLASS - A

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

DIR	00-03	04-07	08-12	SPEED (MPH) 13-18	19-23	>24	TOTAL
N	0.0 (0)	0.0 (1)	0.2 (5)	0.2 (4)	0.0 (1)	0.4 (8)	0.9 (19)
NNE	0.0 (0)	0.0 (1)	0.2 (4)	0.1 (2)	0.0 (1)	0.0 (1)	0.4 (9)
NE	0.0 (0)	0.1 (2)	0.1 (2)	0.0 (0)	0.0 (0)	0.0 (0)	0.2 (4)
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)	0.1 (2)	0.0 (1)	0.0 (0)	0.0 (0)	0.1 (3)
SE	0.0 (0)	0.0 (0)	0.1 (3)	0.2 (5)	0.0 (0)	0.0 (0)	0.4 (8)
SSE	0.0 (0)	0.0 (0)	0.1 (3)	0.0 (1)	0.1 (2)	0.0 (0)	0.3 (6)
S	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (1)	0.2 (4)	0.2 (5)
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)	0.0 (0)	0.0 (0)	0.0 (1)	0.0 (1)
WSW	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (1)	0.1 (3)	0.2 (4)
W	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.3 (6)	0.3 (6)
WNW	0.0 (0)	0.1 (2)	0.0 (0)	0.0 (0)	0.2 (4)	0.4 (9)	0.7 (15)
NW	0.0 (0)	0.0 (1)	0.0 (1)	0.1 (2)	0.2 (4)	0.3 (6)	0.7 (14)
NNW	0.0 (0)	0.0 (1)	0.3 (7)	0.2 (4)	0.0 (1)	0.1 (3)	0.8 (16)
TOTAL	0.0 (0)	0.4 (8)	1.4 (28)	1.0 (20)	0.7 (15)	2.0 (41)	5.6 (112)

FOR STABILITY CLASS - A

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 112

NUMBER OF MISSING WIND OBSERVATIONS: 0

NUMBER OF CALM HOURS: 0

NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE UPPER (9)

DATA FOR OCT 1 1982 THROUGH DEC 31 1982

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 (0)	0.0 (0)	0.2 (4)	0.2 (5)	0.0 (0)	0.4 (9)
NNE	0.0 (0)	0.0 (0)	0.0 (0)	0.1 (3)	0.1 (2)	0.1 (3)	0.4 (8)
NE	0.0 (0)	0.0 (1)	0.0 (1)	0.0 (1)	0.0 (0)	0.0 (0)	0.1 (3)
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 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (1)
ESE	0.0 (0)	0.0 (0)	0.2 (5)	0.0 (0)	0.0 (0)	0.0 (0)	0.2 (5)
SE	0.0 (0)	0.0 (0)	0.0 (1)	0.1 (2)	0.0 (1)	0.0 (0)	0.2 (4)
SSE	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (1)	0.1 (2)	0.0 (0)	0.1 (3)
S	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (1)	0.0 (0)	0.0 (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 (1)	0.0 (1)
WSW	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.2 (5)	0.2 (5)
W	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.1 (3)	0.1 (3)
WNW	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (1)	0.1 (2)	0.5 (10)	0.6 (13)
NW	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (1)	0.3 (7)	0.5 (10)	0.9 (18)
NNW	0.0 (0)	0.1 (2)	0.0 (0)	0.1 (3)	0.0 (0)	0.1 (3)	0.4 (8)
TOTAL	0.0 (0)	0.2 (4)	0.3 (7)	0.8 (16)	1.0 (20)	1.7 (35)	4.1 (82)

FOR STABILITY CLASS - B

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 82

NUMBER OF MISSING WIND OBSERVATIONS: 0

NUMBER OF CALM HOURS: 0

NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE UPPER (9)

DATA FOR OCT 1 1982 THROUGH DEC 31 1982

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)	0.1 (2)	0.0 (1)	0.1 (3)	0.1 (2)	0.1 (2)	0.5 (10)
NNE	0.0 (0)	0.1 (2)	0.0 (0)	0.0 (1)	0.3 (6)	0.0 (1)	0.5 (10)
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 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (1)
ESE	0.0 (0)	0.1 (2)	0.0 (0)	0.0 (1)	0.0 (0)	0.0 (0)	0.1 (3)
SE	0.0 (0)	0.0 (0)	0.0 (0)	0.2 (5)	0.0 (1)	0.0 (0)	0.3 (6)
SSE	0.0 (0)	0.0 (0)	0.1 (2)	0.1 (2)	0.0 (0)	0.0 (0)	0.2 (4)
S	0.0 (0)	0.0 (1)	0.0 (0)	0.0 (1)	0.0 (0)	0.0 (0)	0.1 (2)
SSW	0.0 (0)	0.0 (0)	0.0 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (1)
SN	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 (1)	0.1 (3)	0.4 (9)	0.6 (13)
W	0.0 (0)	0.0 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.8 (17)	0.9 (18)
WNW	0.0 (0)	0.0 (0)	0.0 (0)	0.1 (3)	0.4 (8)	0.8 (16)	1.3 (27)
NW	0.0 (0)	0.0 (1)	0.0 (0)	0.3 (6)	0.5 (11)	0.6 (13)	1.5 (31)
NNW	0.0 (0)	0.0 (0)	0.0 (1)	0.1 (3)	0.2 (5)	0.2 (4)	0.6 (13)
TOTAL	0.0 (0)	0.5 (10)	0.3 (6)	1.3 (26)	1.8 (36)	3.1 (62)	7.0 (140)

FOR STABILITY CLASS - C

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 140

NUMBER OF MISSING WIND OBSERVATIONS: 0

NUMBER OF CALM HOURS: 0

NIAGARA MOHAWK

OSWEGO AMBIENT AIR MONITORING

SITE: NINE MILE UPPER (9)

DATA FOR OCT 1 1982 THROUGH DEC 31 1982

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)	0.1 (3)	0.4 (8)	0.2 (5)	0.1 (3)	0.2 (5)	1.2 (25)
NNE	0.0 (0)	0.0 (1)	0.4 (9)	0.6 (13)	0.4 (9)	0.3 (6)	1.9 (38)
NE	0.0 (0)	0.2 (5)	0.7 (14)	0.6 (13)	0.2 (5)	0.0 (0)	1.8 (37)
ENE	0.0 (0)	0.0 (1)	0.3 (6)	0.0 (0)	0.0 (0)	0.0 (0)	0.3 (7)
E	0.0 (0)	0.1 (2)	0.1 (3)	0.0 (0)	0.0 (0)	0.0 (0)	0.2 (5)
ESE	0.1 (2)	0.2 (5)	0.7 (15)	0.9 (19)	0.0 (1)	0.0 (0)	2.1 (42)
SE	0.1 (2)	0.4 (9)	0.8 (16)	4.3 (87)	1.8 (37)	0.4 (8)	7.9 (159)
SSE	0.1 (3)	0.2 (5)	0.6 (13)	2.0 (41)	1.7 (35)	0.7 (14)	5.5 (111)
S	0.0 (0)	0.3 (7)	1.4 (29)	2.0 (41)	1.5 (31)	0.7 (14)	6.1 (122)
SSW	0.0 (0)	0.4 (8)	0.9 (18)	1.2 (25)	0.4 (9)	0.0 (1)	3.0 (61)
SW	0.0 (0)	0.0 (0)	0.2 (4)	1.0 (20)	0.5 (10)	0.1 (3)	1.8 (37)
WSW	0.0 (0)	0.1 (2)	0.4 (8)	0.7 (14)	0.5 (11)	1.7 (34)	3.4 (69)
W	0.0 (0)	0.1 (2)	0.4 (8)	0.8 (16)	0.3 (7)	2.6 (53)	4.3 (86)
WNW	0.0 (0)	0.1 (2)	0.2 (5)	0.4 (9)	0.5 (11)	1.3 (27)	2.7 (54)
NW	0.0 (1)	0.2 (4)	0.5 (11)	1.1 (22)	0.9 (18)	0.7 (15)	3.5 (71)
NNW	0.0 (0)	0.2 (4)	0.7 (14)	1.0 (20)	0.1 (3)	0.0 (1)	2.1 (42)
TOTAL	0.4 (9)	3.0 (60)	9.0 (181)	17.2 (345)	9.5 (190)	9.0 (181)	48.2 (966)

FOR STABILITY CLASS - D

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 966

NUMBER OF MISSING WIND OBSERVATIONS: 0

NUMBER OF CALM HOURS: 0

NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE UPPER (9)

DATA FOR OCT 1 1982 THROUGH DEC 31 1982

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)	0.1 (3)	0.1 (2)	0.0 (0)	0.0 (0)	0.3 (6)
NNE	0.0 (1)	0.2 (5)	0.0 (1)	0.1 (2)	0.0 (0)	0.0 (0)	0.4 (9)
NE	0.0 (0)	0.0 (1)	0.2 (5)	0.0 (1)	0.0 (0)	0.0 (0)	0.3 (7)
ENE	0.0 (0)	0.2 (5)	0.1 (3)	0.0 (0)	0.0 (0)	0.0 (0)	0.4 (8)
E	0.0 (0)	0.1 (3)	0.0 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.2 (4)
ESE	0.1 (2)	0.1 (2)	0.3 (7)	0.6 (12)	0.1 (2)	0.0 (0)	1.2 (25)
SE	0.0 (0)	0.1 (3)	0.8 (17)	2.6 (53)	1.1 (22)	0.0 (0)	4.7 (95)
SSE	0.0 (1)	0.1 (3)	1.0 (21)	2.0 (40)	2.1 (42)	0.3 (6)	5.6 (113)
S	0.0 (1)	0.1 (3)	1.0 (20)	2.6 (52)	0.4 (9)	0.0 (1)	4.3 (86)
SSW	0.1 (2)	0.1 (2)	1.4 (29)	1.4 (29)	0.0 (1)	0.0 (1)	3.2 (64)
SW	0.0 (1)	0.0 (1)	0.4 (9)	0.6 (13)	0.1 (3)	0.0 (1)	1.4 (28)
WSW	0.1 (2)	0.0 (1)	0.5 (11)	0.6 (12)	0.3 (7)	0.7 (14)	2.3 (47)
W	0.0 (0)	0.2 (5)	0.4 (9)	0.2 (4)	0.1 (3)	0.1 (2)	1.1 (23)
WNW	0.0 (0)	0.0 (1)	0.2 (5)	0.0 (1)	0.1 (2)	0.1 (3)	0.6 (12)
NW	0.0 (1)	0.1 (2)	0.1 (2)	0.1 (3)	0.0 (0)	0.0 (0)	0.4 (8)
NNW	0.0 (0)	0.0 (1)	0.4 (8)	0.1 (2)	0.0 (1)	0.0 (0)	0.6 (12)
TOTAL	0.5 (11)	1.9 (39)	7.5 (151)	11.3 (226)	4.6 (92)	1.4 (28)	27.3 (547)

FOR STABILITY CLASS - E

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 548

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 1982 THROUGH DEC 31 1982

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)	0.0 (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 (1)	0.0 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.1 (2)
E	0.0 (0)	0.0 (1)	0.1 (3)	0.0 (0)	0.0 (0)	0.0 (0)	0.2 (4)
ESE	0.0 (0)	0.0 (0)	0.1 (2)	0.1 (2)	0.0 (0)	0.0 (0)	0.2 (4)
SE	0.0 (0)	0.0 (1)	0.1 (2)	0.2 (4)	0.1 (3)	0.0 (0)	0.5 (10)
SSE	0.0 (0)	0.1 (2)	0.2 (5)	0.4 (8)	0.0 (1)	0.0 (0)	0.8 (16)
S	0.0 (0)	0.3 (7)	0.3 (7)	0.2 (4)	0.0 (0)	0.0 (0)	0.9 (18)
SSW	0.0 (0)	0.0 (1)	0.2 (5)	0.0 (1)	0.0 (0)	0.0 (0)	0.3 (7)
SW	0.0 (0)	0.2 (4)	0.3 (7)	0.0 (1)	0.0 (0)	0.0 (0)	0.6 (12)
WSW	0.0 (0)	0.0 (1)	0.2 (4)	0.1 (2)	0.0 (0)	0.0 (1)	0.4 (8)
W	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (1)	0.0 (1)
WNW	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (1)	0.0 (0)	0.0 (0)	0.0 (1)
NW	0.0 (0)	0.0 (1)	0.0 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.1 (2)
NNW	0.0 (0)	0.0 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (1)
TOTAL	0.0 (1)	1.0 (20)	1.8 (36)	1.1 (23)	0.2 (4)	0.1 (2)	4.3 (86)

FOR STABILITY CLASS - F

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 86

NUMBER OF MISSING WIND OBSERVATIONS: 0

NUMBER OF CALM HOURS: 0

NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE UPPER (9)

DATA FOR OCT 1 1982 THROUGH DEC 31 1982

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 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (1)
NNE	0.0 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (1)
NE	0.0 (0)	0.0 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (1)
ENE	0.1 (2)	0.1 (3)	0.1 (2)	0.0 (0)	0.0 (0)	0.0 (0)	0.3 (7)
E	0.1 (2)	0.0 (1)	0.2 (5)	0.0 (0)	0.0 (0)	0.0 (0)	0.4 (8)
ESE	0.1 (2)	0.0 (1)	0.3 (7)	0.1 (2)	0.0 (0)	0.0 (0)	0.6 (12)
SE	0.0 (0)	0.0 (1)	0.0 (1)	0.2 (4)	0.0 (0)	0.0 (0)	0.3 (6)
SSE	0.1 (2)	0.0 (1)	0.2 (5)	0.3 (7)	0.0 (0)	0.0 (0)	0.7 (15)
S	0.0 (0)	0.0 (0)	0.0 (1)	0.1 (3)	0.0 (0)	0.0 (0)	0.2 (4)
SSW	0.0 (0)	0.1 (2)	0.1 (2)	0.0 (1)	0.0 (0)	0.0 (0)	0.2 (5)
SW	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)
WSW	0.2 (4)	0.0 (0)	0.0 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.2 (5)
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 (1)	0.0 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.1 (2)
NW	0.0 (0)	0.0 (1)	0.0 (0)	0.0 (1)	0.0 (0)	0.0 (0)	0.1 (2)
NNW	0.0 (0)	0.0 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (1)
TOTAL	0.7 (15)	0.7 (14)	1.2 (24)	0.9 (18)	0.0 (0)	0.0 (0)	3.5 (71)

FOR STABILITY CLASS - G

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 71

NUMBER OF MISSING WIND OBSERVATIONS: 0

NUMBER OF CALM HOURS: 0

NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE UPPER (9)

DATA FOR OCT 1 1982 THROUGH DEC 31 1982

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	0.0 (1)	0.4 (8)	0.8 (17)	0.9 (18)	0.5 (11)	0.7 (15)	3.5 (70)
NNE	0.1 (2)	0.4 (9)	0.7 (14)	1.0 (21)	0.9 (18)	0.5 (11)	3.7 (75)
NE	0.0 (0)	0.5 (10)	1.1 (23)	0.7 (15)	0.2 (5)	0.0 (0)	2.6 (53)
ENE	0.1 (3)	0.5 (10)	0.5 (11)	0.0 (0)	0.0 (0)	0.0 (0)	1.2 (24)
E	0.1 (2)	0.4 (9)	0.6 (13)	0.0 (0)	0.0 (0)	0.0 (0)	1.2 (24)
ESE	0.3 (6)	0.5 (10)	1.9 (38)	1.8 (37)	0.1 (3)	0.0 (0)	4.7 (94)
SE	0.1 (2)	0.7 (14)	2.0 (40)	8.0 (160)	3.2 (64)	0.4 (8)	14.4 (288)
SSE	0.3 (6)	0.5 (11)	2.4 (49)	5.0 (100)	4.1 (82)	1.0 (20)	13.4 (268)
S	0.0 (1)	0.9 (18)	2.8 (57)	5.0 (101)	2.1 (42)	0.9 (19)	11.9 (238)
SSW	0.1 (2)	0.6 (13)	2.7 (55)	2.8 (57)	0.5 (10)	0.1 (2)	6.9 (139)
SW	0.0 (1)	0.2 (5)	1.0 (20)	1.7 (34)	0.6 (13)	0.3 (6)	3.9 (79)
WSW	0.3 (6)	0.2 (4)	1.2 (24)	1.4 (29)	1.1 (22)	3.3 (66)	7.5 (151)
W	0.0 (1)	0.4 (8)	0.8 (17)	1.0 (20)	0.5 (10)	4.1 (82)	6.9 (138)
WNW	0.0 (1)	0.3 (6)	0.5 (10)	0.7 (15)	1.3 (27)	3.2 (65)	6.2 (124)
NW	0.1 (2)	0.5 (10)	0.7 (15)	1.7 (35)	2.0 (40)	2.2 (44)	7.3 (146)
NNW	0.0 (0)	0.5 (10)	1.5 (30)	1.6 (32)	0.5 (10)	0.5 (11)	4.6 (93)
TOTAL	1.8 (36)	7.7 (155)	21.6 (433)	33.6 (674)	17.8 (357)	17.4 (349)	100.0 (2004)

FOR STABILITY CLASS - ALL

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 2005

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 1982 THROUGH DEC 31 1982

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	0.0 (1)	0.4 (8)	0.8 (17)	0.9 (18)	0.5 (11)	0.7 (15)	3.5 (70)
NNE	0.1 (2)	0.4 (9)	0.7 (14)	1.0 (21)	0.9 (18)	0.5 (11)	3.7 (75)
NE	0.0 (0)	0.5 (10)	1.1 (23)	0.7 (15)	0.2 (5)	0.0 (0)	2.6 (53)
ENE	0.1 (3)	0.5 (10)	0.5 (11)	0.0 (0)	0.0 (0)	0.0 (0)	1.2 (24)
E	0.1 (2)	0.4 (9)	0.6 (13)	0.0 (0)	0.0 (0)	0.0 (0)	1.2 (24)
ESE	0.3 (6)	0.5 (10)	1.9 (38)	1.8 (37)	0.1 (3)	0.0 (0)	4.7 (94)
SE	0.1 (2)	0.7 (14)	2.0 (40)	8.0 (160)	3.2 (64)	0.4 (8)	14.4 (288)
SSE	0.3 (6)	0.5 (11)	2.4 (49)	5.0 (100)	4.1 (82)	1.0 (20)	13.4 (268)
S	0.0 (1)	0.9 (18)	2.8 (57)	5.0 (101)	2.1 (42)	0.9 (19)	11.9 (238)
SSW	0.1 (2)	0.6 (13)	2.7 (55)	2.8 (57)	0.5 (10)	0.1 (2)	6.9 (139)
SW	0.0 (1)	0.2 (5)	1.0 (20)	1.7 (34)	0.6 (13)	0.3 (6)	3.9 (79)
WSW	0.3 (6)	0.2 (4)	1.2 (24)	1.4 (29)	1.1 (22)	3.3 (66)	7.5 (151)
W	0.0 (1)	0.4 (8)	0.8 (17)	1.0 (20)	0.5 (10)	4.1 (82)	6.9 (138)
WNW	0.0 (1)	0.3 (6)	0.5 (10)	0.7 (15)	1.3 (27)	3.2 (65)	6.2 (124)
NW	0.1 (2)	0.5 (10)	0.7 (15)	1.7 (35)	2.0 (40)	2.2 (44)	7.3 (146)
NNW	0.0 (0)	0.5 (10)	1.5 (30)	1.6 (32)	0.5 (10)	0.5 (11)	4.6 (93)
TOTAL	1.8 (36)	7.7 (155)	21.6 (433)	33.6 (674)	17.8 (357)	17.4 (349)	100.0 (2004)

FOR ALL WIND CATEGORIES

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 2208

NUMBER OF MISSING WIND OBSERVATIONS: 204

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/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 1982 THROUGH SEPT 30 1982

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	0.3 (6)	0.1 (2)	0.1 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.5 (9)
NNE	0.0 (0)	0.5 (9)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.5 (9)
NE	0.2 (3)	1.1 (21)	0.0 (0)	0.1 (2)	0.0 (0)	0.0 (0)	1.3 (26)
ENE	0.0 (0)	0.2 (4)	0.1 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.3 (5)
E	0.0 (0)	0.1 (2)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.1 (2)
ESE	0.2 (4)	0.1 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.3 (5)
SE	0.0 (0)	0.1 (2)	0.1 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.2 (3)
SSE	0.0 (0)	0.4 (7)	0.4 (7)	0.0 (0)	0.0 (0)	0.0 (0)	0.7 (14)
S	0.0 (0)	0.1 (2)	0.3 (5)	0.0 (0)	0.0 (0)	0.0 (0)	0.4 (7)
SSW	0.0 (0)	0.0 (0)	0.1 (1)	0.0 (0)	0.1 (1)	0.0 (0)	0.1 (2)
SW	0.0 (0)	0.2 (3)	0.2 (3)	0.1 (1)	0.1 (1)	0.0 (0)	0.4 (8)
WSW	0.0 (0)	0.1 (2)	0.1 (1)	0.2 (4)	0.0 (0)	0.1 (2)	0.5 (9)
W	0.2 (3)	0.4 (7)	0.1 (2)	0.1 (2)	0.1 (1)	0.0 (0)	0.8 (15)
WNW	0.5 (10)	0.9 (18)	0.3 (5)	0.2 (4)	0.1 (2)	0.0 (0)	2.0 (39)
NW	0.6 (11)	0.7 (14)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	1.3 (25)
NNW	0.1 (2)	0.1 (2)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.2 (4)
TOTAL	2.0 (39)	4.8 (96)	1.4 (27)	0.7 (13)	0.3 (5)	0.1 (2)	9.1 (182)

FOR STABILITY CLASS - A

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 182

NUMBER OF MISSING WIND OBSERVATIONS: 0

NUMBER OF CALM HOURS: 0

NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE LOWER (9)

DATA FOR JULY 1 1982 THROUGH SEPT 30 1982

JG120*

STABILITY CLASS - B

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

DIR	00-03	04-07	08-12	SPEED (MPH) 13-18	19-23	>24	TOTAL
N	0.2 (4)	0.1 (2)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.3 (6)
NNE	0.1 (1)	0.2 (3)	0.1 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.3 (5)
NE	0.1 (2)	0.3 (5)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.4 (7)
ENE	0.1 (1)	0.1 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.1 (2)
E	0.0 (0)	0.1 (1)	0.1 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.1 (2)
ESE	0.0 (0)	0.1 (2)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.1 (2)
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)	0.2 (3)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.2 (3)
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)	0.1 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.1 (1)
SW	0.0 (0)	0.1 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.1 (1)
WSW	0.0 (0)	0.1 (1)	0.1 (1)	0.2 (3)	0.1 (1)	0.0 (0)	0.3 (6)
W	0.1 (1)	0.2 (4)	0.2 (4)	0.3 (5)	0.1 (1)	0.0 (0)	0.8 (15)
WNW	0.1 (1)	0.3 (6)	0.2 (3)	0.2 (3)	0.1 (1)	0.0 (0)	0.7 (14)
NW	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)
NNW	0.1 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.1 (1)
TOTAL	0.6 (11)	1.6 (32)	0.5 (10)	0.6 (11)	0.2 (3)	0.0 (0)	3.4 (67)

FOR STABILITY CLASS - B

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 68

NUMBER OF MISSING WIND OBSERVATIONS: 1

NUMBER OF CALM HOURS: 0

NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE LOWER (9)

DATA FOR JULY 1 1982 THROUGH SEPT 30 1982

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	0.2 (3)	0.2 (4)	0.2 (3)	0.1 (2)	0.0 (0)	0.0 (0)	0.6 (12)
NNE	0.1 (2)	0.4 (7)	0.0 (0)	0.2 (4)	0.0 (0)	0.0 (0)	0.7 (13)
NE	0.1 (2)	0.2 (3)	0.3 (5)	0.3 (6)	0.0 (0)	0.0 (0)	0.8 (16)
ENE	0.0 (0)	0.1 (2)	0.1 (2)	0.0 (0)	0.0 (0)	0.0 (0)	0.2 (4)
E	0.1 (2)	0.1 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.2 (3)
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)	0.4 (7)	0.1 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.4 (8)
SSE	0.1 (1)	0.3 (6)	0.1 (2)	0.0 (0)	0.0 (0)	0.0 (0)	0.5 (9)
S	0.0 (0)	0.2 (3)	0.1 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.2 (4)
SSW	0.0 (0)	0.1 (1)	0.2 (3)	0.0 (0)	0.0 (0)	0.0 (0)	0.2 (4)
SW	0.0 (0)	0.1 (1)	0.2 (3)	0.0 (0)	0.0 (0)	0.0 (0)	0.2 (4)
WSW	0.0 (0)	0.4 (8)	0.5 (10)	0.4 (7)	0.2 (3)	0.0 (0)	1.4 (28)
W	0.1 (1)	0.2 (4)	0.4 (7)	0.2 (4)	0.2 (3)	0.0 (0)	1.0 (19)
WNW	0.1 (2)	0.2 (3)	0.1 (2)	0.2 (4)	0.0 (0)	0.0 (0)	0.6 (11)
NW	0.2 (3)	0.1 (1)	0.1 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.3 (5)
NNW	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)
TOTAL	0.8 (16)	2.6 (52)	2.0 (40)	1.4 (27)	0.3 (6)	0.0 (0)	7.1 (141)

FOR STABILITY CLASS - C

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 147

NUMBER OF MISSING WIND OBSERVATIONS: 6

NUMBER OF CALM HOURS: 0

NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE LOWER (9)

DATA FOR JULY 1 1982 THROUGH SEPT 30 1982

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	0.4 (7)	0.5 (10)	0.4 (7)	0.2 (3)	0.0 (0)	0.0 (0)	1.4 (27)
NNE	0.4 (7)	0.9 (17)	0.3 (5)	0.0 (0)	0.0 (0)	0.0 (0)	1.5 (29)
NE	0.8 (15)	1.5 (29)	0.4 (8)	0.2 (4)	0.0 (0)	0.0 (0)	2.8 (56)
ENE	0.3 (6)	0.5 (10)	0.2 (3)	0.0 (0)	0.0 (0)	0.0 (0)	1.0 (19)
E	0.2 (4)	0.4 (7)	0.1 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.6 (12)
ESE	0.3 (5)	0.8 (16)	0.4 (7)	0.0 (0)	0.0 (0)	0.0 (0)	1.4 (28)
SE	0.3 (5)	1.0 (20)	0.2 (4)	0.0 (0)	0.0 (0)	0.0 (0)	1.5 (29)
SSE	0.4 (7)	1.2 (23)	0.7 (13)	0.0 (0)	0.0 (0)	0.0 (0)	2.2 (43)
S	0.1 (1)	1.0 (20)	0.7 (14)	0.1 (1)	0.0 (0)	0.0 (0)	1.8 (36)
SSW	0.1 (1)	0.4 (8)	0.2 (3)	0.1 (1)	0.0 (0)	0.0 (0)	0.7 (13)
SW	0.2 (4)	0.6 (11)	1.3 (26)	0.4 (7)	0.0 (0)	0.0 (0)	2.4 (48)
WSW	0.2 (4)	0.9 (18)	1.5 (29)	1.8 (36)	0.8 (15)	0.1 (1)	5.2 (103)
W	0.2 (4)	0.7 (14)	0.8 (15)	1.1 (21)	1.3 (25)	0.5 (9)	4.4 (88)
WNW	0.5 (9)	0.5 (9)	1.3 (25)	1.5 (29)	0.5 (9)	0.2 (3)	4.2 (84)
NNW	0.2 (3)	0.5 (10)	0.4 (8)	0.2 (3)	0.0 (0)	0.0 (0)	1.2 (24)
NNW	0.2 (3)	0.4 (8)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.6 (11)
TOTAL	4.3 (85)	11.5 (230)	8.4 (168)	5.3 (105)	2.5 (49)	0.7 (13)	32.6 (650)

FOR STABILITY CLASS - D

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 659

NUMBER OF MISSING WIND OBSERVATIONS: 9

NUMBER OF CALM HOURS: 1

NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE LOWER (9)

DATA FOR JULY 1 1982 THROUGH SEPT 30 1982

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	0.2 (3)	0.3 (5)	0.1 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.5 (9)
NNE	0.4 (8)	0.4 (7)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.8 (15)
NE	0.6 (12)	1.0 (19)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	1.6 (31)
ENE	0.5 (9)	0.5 (9)	0.1 (2)	0.0 (0)	0.0 (0)	0.0 (0)	1.0 (20)
E	0.9 (17)	0.8 (16)	0.2 (3)	0.0 (0)	0.0 (0)	0.0 (0)	1.8 (36)
ESE	0.3 (6)	2.0 (39)	0.6 (12)	0.0 (0)	0.0 (0)	0.0 (0)	2.9 (57)
SE	0.2 (4)	2.0 (39)	0.9 (18)	0.0 (0)	0.0 (0)	0.0 (0)	3.1 (61)
SSE	0.2 (3)	2.6 (51)	1.0 (19)	0.0 (0)	0.0 (0)	0.0 (0)	3.7 (73)
S	0.3 (5)	1.8 (36)	0.8 (16)	0.0 (0)	0.0 (0)	0.0 (0)	2.9 (57)
SSW	0.4 (7)	0.8 (16)	0.4 (7)	0.0 (0)	0.0 (0)	0.0 (0)	1.5 (30)
SW	0.1 (1)	1.0 (19)	0.8 (16)	0.2 (4)	0.0 (0)	0.0 (0)	2.0 (40)
WSW	0.4 (7)	0.5 (10)	0.5 (10)	0.3 (6)	0.0 (0)	0.0 (0)	1.7 (33)
W	0.2 (3)	0.3 (5)	0.2 (3)	0.0 (0)	0.0 (0)	0.0 (0)	0.6 (11)
WNW	0.4 (7)	0.1 (2)	0.1 (2)	0.0 (0)	0.0 (0)	0.0 (0)	0.6 (11)
NW	0.2 (3)	0.3 (5)	0.1 (2)	0.0 (0)	0.0 (0)	0.0 (0)	0.5 (10)
NNW	0.2 (4)	0.2 (3)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.4 (7)
TOTAL	5.0 (99)	14.1 (281)	5.6 (111)	0.5 (10)	0.0 (0)	0.0 (0)	25.1 (501)

FOR STABILITY CLASS - E

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 509

NUMBER OF MISSING WIND OBSERVATIONS: 8

NUMBER OF CALM HOURS: 2

NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE LOWER (9)

DATA FOR JULY 1 1982 THROUGH SEPT 30 1982

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	0.1 (1)	0.1 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.1 (2)
NNE	0.1 (2)	0.1 (2)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.2 (4)
NE	0.4 (8)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.4 (8)
ENE	0.2 (4)	0.1 (2)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.3 (6)
E	0.8 (16)	0.5 (10)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	1.3 (26)
ESE	0.5 (10)	0.7 (14)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	1.2 (24)
SE	0.4 (7)	1.4 (28)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	1.8 (35)
SSE	0.1 (2)	1.0 (20)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	1.1 (22)
S	0.1 (2)	0.5 (9)	0.1 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.6 (12)
SSW	0.2 (4)	0.3 (5)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.5 (9)
SN	0.2 (3)	0.3 (6)	0.1 (2)	0.0 (0)	0.0 (0)	0.0 (0)	0.6 (11)
WSW	0.1 (2)	0.4 (8)	0.1 (1)	0.1 (1)	0.0 (0)	0.0 (0)	0.6 (12)
W	0.0 (0)	0.4 (7)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.4 (7)
WNW	0.2 (4)	0.2 (4)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.4 (8)
NNW	0.0 (0)	0.1 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.1 (1)
NNW	0.0 (0)	0.3 (6)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.3 (6)
TOTAL	3.3 (65)	6.2 (123)	0.2 (4)	0.1 (1)	0.0 (0)	0.0 (0)	9.7 (193)

FOR STABILITY CLASS - F

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 200

NUMBER OF MISSING WIND OBSERVATIONS: 7

NUMBER OF CALM HOURS: 1

NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE LOWER (9)

DATA FOR JULY 1 1982 THROUGH SEPT 30 1982

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)	0.1 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.1 (1)
NNE	0.1 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.1 (1)
NE	0.2 (3)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.2 (3)
ENE	0.2 (4)	0.2 (4)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.4 (8)
E	1.4 (28)	0.5 (9)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	1.9 (37)
ESE	1.4 (28)	1.0 (19)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	2.4 (47)
SE	1.1 (22)	1.9 (37)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	3.0 (59)
SSE	0.5 (10)	1.1 (22)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	1.6 (32)
S	0.2 (4)	0.5 (10)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.7 (14)
SSW	0.2 (3)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.2 (3)
SN	0.2 (4)	0.1 (2)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.3 (6)
WSW	0.3 (6)	0.4 (7)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.7 (13)
W	0.1 (1)	0.3 (5)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.3 (6)
WNW	0.1 (1)	0.1 (2)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.1 (2)
NW	0.0 (0)	0.2 (3)	0.0 (0)	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)	0.0 (0)	0.0 (0)
TOTAL	5.8 (115)	6.0 (120)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	11.8 (235)

FOR STABILITY CLASS - G

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 238

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 1982 THROUGH SEPT 30 1982

JG120*

STABILITY CLASS - ALL

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

DIR	00-03	04-07	08-12	SPEED (MPH) 13-18	19-23	>24	TOTAL
N	1.2 (24)	1.3 (25)	0.6 (12)	0.3 (5)	0.0 (0)	0.0 (0)	3.3 (66)
NNE	1.1 (21)	2.3 (45)	0.3 (6)	0.2 (4)	0.0 (0)	0.0 (0)	3.8 (76)
NE	2.4 (47)	4.4 (87)	0.7 (13)	0.6 (12)	0.0 (0)	0.0 (0)	8.0 (159)
ENE	1.2 (24)	1.7 (33)	0.4 (8)	0.0 (0)	0.0 (0)	0.0 (0)	3.3 (65)
E	3.4 (67)	2.3 (46)	0.3 (5)	0.0 (0)	0.0 (0)	0.0 (0)	5.9 (118)
ESE	2.7 (53)	4.6 (92)	1.0 (19)	0.0 (0)	0.0 (0)	0.0 (0)	8.2 (164)
SE	2.0 (39)	6.8 (135)	1.2 (24)	0.0 (0)	0.0 (0)	0.0 (0)	9.9 (198)
SSE	1.2 (23)	6.6 (132)	2.1 (41)	0.0 (0)	0.0 (0)	0.0 (0)	9.8 (196)
S	0.7 (14)	4.3 (86)	1.9 (37)	0.1 (1)	0.0 (0)	0.0 (0)	6.9 (138)
SSW	0.8 (16)	1.6 (31)	0.7 (14)	0.1 (1)	0.1 (1)	0.0 (0)	3.2 (63)
SW	0.6 (12)	2.2 (43)	2.5 (50)	0.6 (12)	0.1 (1)	0.0 (0)	5.9 (118)
WSW	1.0 (19)	2.8 (55)	2.6 (52)	2.9 (57)	1.0 (19)	0.2 (3)	10.3 (205)
W	0.7 (13)	2.3 (46)	1.6 (31)	1.6 (32)	1.5 (30)	0.5 (9)	8.1 (161)
WNW	1.7 (34)	2.2 (43)	1.9 (37)	2.0 (40)	0.6 (12)	0.2 (3)	8.5 (169)
WW	1.0 (20)	1.7 (34)	0.6 (11)	0.2 (3)	0.0 (0)	0.0 (0)	3.4 (68)
NHW	0.5 (10)	1.0 (19)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	1.5 (29)
TOTAL	21.9 (436)	47.8 (952)	18.1 (360)	8.4 (167)	3.2 (63)	0.8 (15)	100.0 (1993)

FOR STABILITY CLASS - ALL

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 2027

NUMBER OF MISSING WIND OBSERVATIONS: 34

NUMBER OF CALM HOURS: 4

NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE LOWER (9)

DATA FOR JULY 1 1982 THROUGH SEPT 30 1982

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	1.2 (24)	1.2 (25)	0.6 (12)	0.2 (5)	0.0 (0)	0.0 (0)	3.2 (66)
NNE	1.0 (21)	2.2 (45)	0.3 (6)	0.2 (4)	0.0 (0)	0.0 (0)	3.7 (76)
NE	2.9 (59)	4.6 (94)	0.6 (13)	0.6 (12)	0.0 (0)	0.6 (12)	8.2 (168)
ENE	1.3 (26)	1.6 (33)	0.4 (8)	0.0 (0)	0.0 (0)	0.0 (1)	3.2 (66)
E	3.3 (67)	2.3 (46)	0.2 (5)	0.0 (0)	0.0 (0)	0.0 (0)	5.8 (118)
ESE	2.7 (55)	4.5 (92)	0.9 (19)	0.0 (0)	0.0 (0)	0.0 (0)	8.1 (166)
SE	2.0 (41)	6.8 (139)	1.2 (24)	0.0 (0)	0.0 (0)	0.0 (1)	10.0 (204)
SSE	1.1 (23)	6.5 (133)	2.0 (41)	0.0 (0)	0.0 (0)	0.0 (0)	9.7 (197)
S	1.0 (20)	4.4 (90)	1.9 (38)	0.0 (1)	0.0 (0)	0.4 (8)	7.0 (143)
SSW	0.8 (17)	1.6 (32)	0.7 (14)	0.0 (1)	0.0 (1)	0.0 (1)	3.2 (65)
SW	0.6 (12)	2.2 (44)	2.5 (50)	0.6 (12)	0.0 (1)	0.0 (0)	5.8 (119)
WSW	1.0 (20)	2.8 (58)	2.6 (54)	2.9 (59)	0.9 (19)	0.2 (4)	10.4 (212)
W	0.6 (13)	2.3 (46)	1.5 (31)	1.9 (39)	1.5 (30)	0.4 (9)	8.2 (168)
WNW	1.7 (34)	2.1 (43)	1.8 (37)	2.0 (40)	0.6 (12)	0.1 (3)	8.3 (169)
NW	1.0 (20)	1.8 (37)	0.5 (11)	0.1 (3)	0.0 (0)	0.0 (0)	3.5 (71)
NNW	0.5 (11)	1.0 (20)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	1.5 (31)
TOTAL	22.7 (463)	47.9 (977)	17.8 (363)	8.6 (176)	3.1 (63)	0.7 (15)	100.0 (2039)

FOR ALL WIND CATEGORIES

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 2208

NUMBER OF MISSING WIND OBSERVATIONS: 169

NUMBER OF CALM HOURS: 4

***** 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 1982 THROUGH DEC 31 1982

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	0.1 (2)	0.4 (9)	0.1 (3)	0.0 (0)	0.0 (0)	0.0 (0)	0.7 (14)
NNE	0.1 (3)	0.2 (5)	0.0 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.4 (9)
NE	0.0 (1)	0.2 (4)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.2 (5)
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)	0.2 (4)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.2 (4)
ESE	0.0 (0)	0.2 (5)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.2 (5)
SE	0.0 (0)	0.0 (1)	0.1 (3)	0.1 (2)	0.0 (1)	0.0 (0)	0.3 (7)
SSE	0.0 (0)	0.0 (0)	0.0 (1)	0.1 (2)	0.0 (0)	0.0 (0)	0.1 (3)
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 (1)	0.0 (0)	0.0 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.1 (2)
SW	0.0 (1)	0.0 (1)	0.0 (0)	0.0 (1)	0.0 (1)	0.0 (0)	0.2 (4)
WSW	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (1)	0.2 (5)	0.3 (6)
W	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.1 (3)	0.3 (6)	0.4 (9)
WNW	0.0 (0)	0.1 (2)	0.1 (2)	0.2 (4)	0.3 (6)	0.3 (6)	1.0 (20)
NW	0.0 (0)	0.2 (4)	0.1 (2)	0.1 (2)	0.0 (1)	0.0 (0)	0.4 (9)
NNW	0.2 (4)	0.1 (3)	0.1 (3)	0.1 (3)	0.0 (0)	0.0 (0)	0.6 (13)
TOTAL	0.6 (12)	1.9 (39)	0.8 (16)	0.7 (15)	0.6 (13)	0.8 (17)	5.6 (112)

FOR STABILITY CLASS - A

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 112

NUMBER OF MISSING WIND OBSERVATIONS: 0

NUMBER OF CALM HOURS: 4

NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE LOWER (9)

DATA FOR OCT 1 1982 THROUGH DEC 31 1982

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 (1)	0.1 (2)	0.1 (3)	0.0 (0)	0.0 (0)	0.0 (0)	0.3 (6)
NNE	0.2 (4)	0.1 (3)	0.1 (2)	0.0 (0)	0.0 (0)	0.0 (0)	0.4 (9)
NE	0.0 (0)	0.1 (2)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.1 (2)
ENE	0.0 (0)	0.0 (1)	0.0 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.1 (2)
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)	0.0 (1)	0.1 (2)	0.0 (0)	0.0 (0)	0.0 (0)	0.1 (3)
SE	0.0 (0)	0.0 (0)	0.1 (2)	0.0 (0)	0.0 (0)	0.0 (0)	0.1 (2)
SSE	0.0 (0)	0.0 (0)	0.0 (1)	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 (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 (1)	0.0 (1)	0.1 (2)
WSW	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.2 (5)	0.2 (5)
W	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.3 (6)	0.3 (6)
WNW	0.0 (0)	0.0 (1)	0.0 (0)	0.5 (11)	0.2 (4)	0.3 (7)	1.1 (23)
NW	0.0 (0)	0.0 (1)	0.1 (3)	0.3 (6)	0.0 (0)	0.0 (0)	0.5 (10)
NNW	0.0 (0)	0.0 (0)	0.3 (6)	0.0 (0)	0.0 (0)	0.0 (0)	0.3 (6)
TOTAL	0.2 (5)	0.7 (14)	1.0 (21)	0.9 (18)	0.2 (5)	0.9 (19)	4.1 (82)

FOR STABILITY CLASS - B

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 82

NUMBER OF MISSING WIND OBSERVATIONS: 0

NUMBER OF CALM HOURS: 3

NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE LOWER (9)

DATA FOR OCT 1 1982 THROUGH DEC 31 1982

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	0.3 (6)	0.1 (3)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.4 (9)
NNE	0.2 (4)	0.1 (2)	0.1 (2)	0.0 (0)	0.0 (0)	0.0 (0)	0.4 (8)
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)	0.1 (2)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.1 (2)
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 (1)	0.2 (4)	0.0 (0)	0.0 (0)	0.0 (0)	0.2 (5)
SE	0.0 (0)	0.0 (0)	0.3 (7)	0.0 (0)	0.0 (0)	0.0 (0)	0.3 (7)
SSE	0.0 (0)	0.0 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (1)
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 (0)	0.0 (0)	0.0 (0)	0.0 (0)
SW	0.0 (0)	0.0 (0)	0.0 (0)	0.1 (2)	0.0 (0)	0.0 (1)	0.1 (3)
WSW	0.0 (0)	0.0 (1)	0.0 (0)	0.1 (2)	0.1 (3)	0.6 (12)	0.9 (18)
W	0.0 (1)	0.0 (1)	0.0 (0)	0.0 (0)	0.2 (5)	0.5 (11)	0.9 (18)
WNW	0.0 (0)	0.0 (1)	0.0 (0)	0.3 (7)	1.0 (21)	0.3 (7)	1.8 (36)
NW	0.0 (0)	0.0 (0)	0.3 (6)	0.9 (19)	0.0 (0)	0.0 (0)	1.2 (25)
NNW	0.0 (0)	0.1 (2)	0.2 (4)	0.0 (1)	0.0 (0)	0.0 (0)	0.3 (7)
TOTAL	0.5 (11)	0.7 (14)	1.2 (24)	1.5 (31)	1.4 (29)	1.5 (31)	7.0 (140)

FOR STABILITY CLASS - C

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 140

NUMBER OF MISSING WIND OBSERVATIONS: 0

NUMBER OF CALM HOURS: 7

NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE LOWER (9)

DATA FOR OCT 1 1982 THROUGH DEC 31 1982

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	0.4 (9)	0.5 (11)	0.4 (8)	0.0 (0)	0.0 (0)	0.0 (0)	1.4 (28)
NNE	0.3 (6)	1.5 (31)	0.3 (6)	0.0 (0)	0.0 (0)	0.0 (0)	2.1 (43)
NE	0.0 (1)	0.9 (18)	0.2 (4)	0.0 (0)	0.0 (0)	0.0 (0)	1.1 (23)
ENE	0.3 (7)	0.4 (8)	0.0 (1)	0.0 (1)	0.0 (0)	0.0 (0)	0.8 (17)
E	0.1 (3)	1.2 (24)	1.2 (24)	0.0 (1)	0.0 (0)	0.0 (0)	2.6 (52)
ESE	0.1 (3)	2.1 (43)	4.2 (85)	0.1 (3)	0.0 (0)	0.0 (0)	6.7 (134)
SE	0.0 (0)	2.2 (45)	2.0 (41)	1.0 (21)	0.0 (0)	0.0 (0)	5.3 (107)
SSE	0.0 (0)	1.2 (24)	2.2 (45)	1.2 (24)	0.0 (0)	0.0 (0)	4.6 (93)
S	0.0 (1)	1.7 (34)	2.4 (48)	0.7 (14)	0.1 (2)	0.0 (0)	4.9 (99)
SSW	0.0 (1)	0.2 (5)	0.9 (18)	0.4 (8)	0.0 (0)	0.0 (0)	1.6 (32)
SW	0.0 (0)	0.1 (2)	1.0 (20)	0.6 (13)	0.2 (5)	0.1 (3)	2.1 (43)
WSW	0.0 (1)	0.3 (7)	0.6 (12)	0.6 (13)	1.2 (25)	1.3 (26)	4.2 (84)
W	0.1 (2)	0.2 (4)	0.4 (8)	0.7 (14)	0.4 (9)	1.4 (28)	3.2 (65)
WNW	0.0 (1)	0.6 (12)	0.9 (19)	0.9 (19)	0.8 (17)	0.6 (13)	4.0 (81)
NU	0.0 (1)	0.6 (12)	0.9 (18)	0.8 (17)	0.0 (1)	0.0 (0)	2.4 (49)
NNW	0.0 (0)	0.4 (9)	0.3 (7)	0.0 (0)	0.0 (0)	0.0 (0)	0.8 (16)
TOTAL	1.8 (36)	14.4 (289)	18.2 (364)	7.4 (148)	2.9 (59)	3.5 (70)	48.2 (966)

FOR STABILITY CLASS - D

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 966

NUMBER OF MISSING WIND OBSERVATIONS: 0

NUMBER OF CALM HOURS: 1

NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE LOWER (9)

DATA FOR OCT 1 1982 THROUGH DEC 31 1982

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	0.2 (5)	0.1 (2)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (1)	0.4 (8)
NNE	0.4 (9)	0.1 (2)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.5 (11)
NE	0.4 (9)	0.1 (3)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.6 (12)
ENE	0.4 (8)	0.2 (4)	0.1 (2)	0.0 (0)	0.0 (0)	0.0 (0)	0.7 (14)
E	0.5 (11)	1.4 (28)	0.7 (14)	0.0 (0)	0.0 (0)	0.0 (0)	2.6 (53)
ESE	0.2 (4)	2.5 (50)	2.2 (44)	0.0 (1)	0.0 (0)	0.0 (0)	4.9 (99)
SE	0.2 (5)	2.2 (44)	2.1 (43)	0.1 (2)	0.0 (0)	0.0 (0)	4.7 (94)
SSE	0.1 (3)	1.9 (39)	1.4 (29)	0.2 (4)	0.0 (0)	0.0 (0)	3.7 (75)
S	0.1 (3)	2.0 (40)	1.1 (22)	0.1 (2)	0.0 (0)	0.0 (0)	3.3 (67)
SSW	0.1 (2)	0.5 (10)	0.3 (7)	0.1 (2)	0.0 (0)	0.0 (0)	1.0 (21)
SW	0.1 (2)	0.4 (9)	0.5 (10)	0.3 (6)	0.2 (4)	0.0 (0)	1.5 (31)
WSW	0.1 (3)	0.7 (14)	0.5 (10)	0.3 (7)	0.2 (5)	0.1 (3)	2.1 (42)
W	0.1 (2)	0.0 (1)	0.0 (0)	0.0 (1)	0.0 (0)	0.0 (1)	0.2 (5)
WNW	0.0 (0)	0.1 (3)	0.1 (3)	0.1 (2)	0.0 (1)	0.0 (0)	0.4 (9)
NNW	0.1 (2)	0.1 (3)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.2 (5)
NNW	0.1 (2)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.1 (2)
TOTAL	3.5 (70)	12.6 (252)	9.2 (184)	1.3 (27)	0.5 (10)	0.2 (5)	27.3 (548)

FOR STABILITY CLASS - E

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 548

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 1982 THROUGH DEC 31 1982

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)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)
NNE	0.0 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (1)
NE	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)
ENE	0.2 (4)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.2 (4)
E	0.4 (9)	0.3 (7)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.8 (16)
ESE	0.1 (3)	0.4 (9)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.6 (12)
SE	0.2 (5)	0.9 (18)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	1.1 (23)
SSE	0.1 (2)	0.6 (12)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.7 (14)
S	0.2 (4)	0.2 (4)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.4 (8)
SSW	0.0 (0)	0.0 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (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)	0.2 (5)	0.0 (0)	0.0 (1)	0.0 (1)	0.3 (7)
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	1.4 (28)	2.5 (51)	0.2 (5)	0.0 (0)	0.0 (1)	0.0 (1)	4.3 (86)

FOR STABILITY CLASS - F

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 86

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 1982 THROUGH DEC 31 1982

JG120*

STABILITY CLASS - G

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

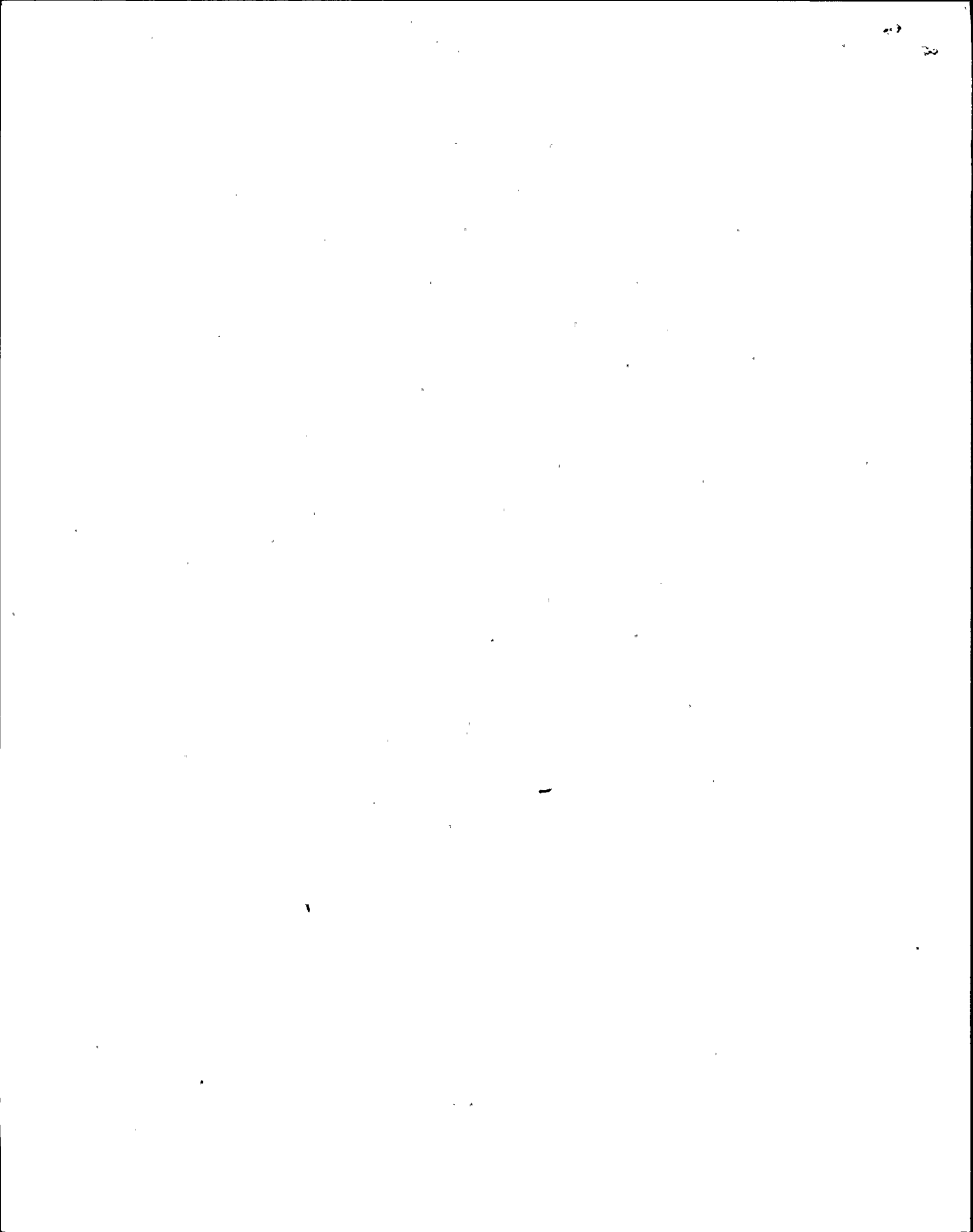
DIR	00-03	04-07	08-12	13-18	19-23	>24	TOTAL
N	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)
NNE	0.0 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (1)
NE	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)
ENE	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)
E	0.5 (10)	0.4 (8)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.9 (18)
ESE	0.4 (9)	0.7 (15)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	1.2 (24)
SE	0.3 (6)	0.7 (15)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	1.0 (21)
SSE	0.2 (4)	0.0 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.2 (5)
S	0.0 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (1)
SSW	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)
SII	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 (1)	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)
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	1.5 (31)	2.0 (40)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	3.5 (71)

FOR STABILITY CLASS - G

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 71

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 1982 THROUGH DEC 31 1982

JG120*

STABILITY CLASS - ALL

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

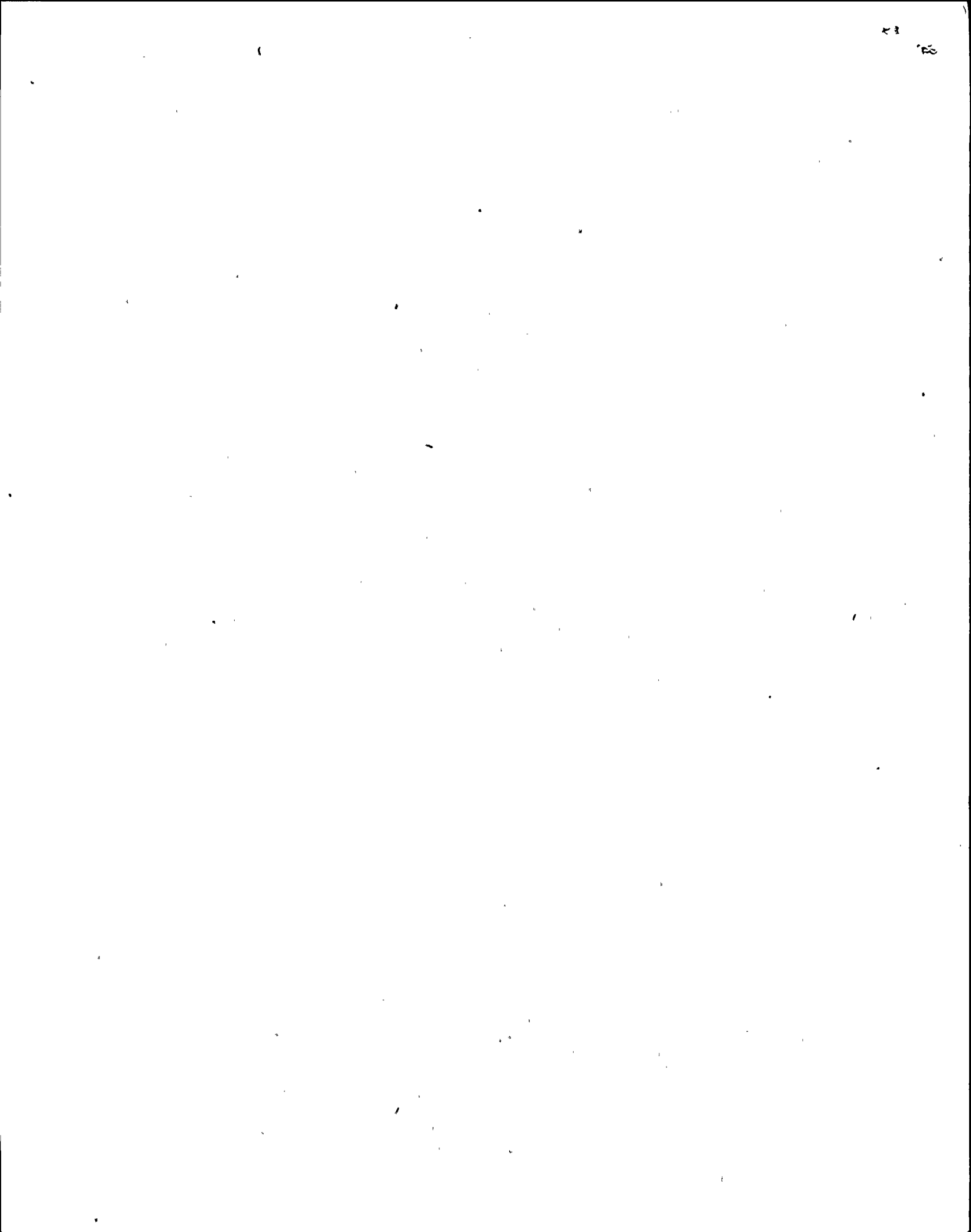
DIR	SPEED (MPH)						TOTAL
	00-03	04-07	08-12	13-18	19-23	>24	
N	1.1 (23)	1.3 (27)	0.7 (14)	0.0 (0)	0.0 (0)	0.0 (1)	3.2 (65)
NNE	1.4 (28)	2.1 (43)	0.5 (11)	0.0 (0)	0.0 (0)	0.0 (0)	4.1 (82)
NE	0.5 (11)	1.3 (27)	0.2 (4)	0.0 (0)	0.0 (0)	0.0 (0)	2.1 (42)
ENE	0.9 (19)	0.8 (16)	0.2 (4)	0.0 (1)	0.0 (0)	0.0 (0)	2.0 (40)
E	1.6 (33)	3.7 (74)	2.0 (40)	0.0 (1)	0.0 (0)	0.0 (0)	7.4 (148)
ESE	0.9 (19)	6.2 (124)	6.7 (135)	0.2 (4)	0.0 (0)	0.0 (0)	14.1 (282)
SE	0.8 (16)	6.1 (123)	4.8 (96)	1.2 (25)	0.0 (1)	0.0 (0)	13.0 (261)
SSE	0.4 (9)	3.8 (77)	3.8 (76)	1.5 (31)	0.0 (0)	0.0 (0)	9.6 (193)
S	0.4 (9)	3.9 (78)	3.5 (70)	0.8 (17)	0.1 (2)	0.0 (0)	8.8 (176)
SSW	0.2 (4)	0.8 (16)	1.3 (26)	0.5 (10)	0.0 (0)	0.0 (0)	2.8 (56)
SW	0.1 (3)	0.6 (12)	1.5 (30)	1.1 (22)	0.5 (11)	0.2 (5)	4.1 (83)
WSW	0.2 (4)	1.1 (22)	1.3 (27)	1.1 (22)	1.7 (35)	2.6 (52)	8.1 (162)
W	0.2 (5)	0.3 (7)	0.4 (8)	0.7 (15)	0.8 (17)	2.6 (52)	5.2 (104)
WNW	0.0 (1)	0.9 (19)	1.2 (24)	2.1 (43)	2.4 (49)	1.6 (33)	8.4 (169)
NW	0.1 (3)	1.0 (20)	1.4 (29)	2.2 (44)	0.1 (2)	0.0 (0)	4.9 (98)
NNW	0.3 (6)	0.7 (14)	1.0 (20)	0.2 (4)	0.0 (0)	0.0 (0)	2.2 (44)
TOTAL	9.6 (193)	34.9 (699)	30.6 (614)	11.9 (239)	5.8 (117)	7.1 (143)	100.0 (2005)

FOR STABILITY CLASS - ALL

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 2005

NUMBER OF MISSING WIND OBSERVATIONS: 0

NUMBER OF CALM HOURS: 15



NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE LOWER (9)

DATA FOR OCT 1 1982 THROUGH DEC 31 1982

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	1.1 (23)	1.3 (27)	0.7 (14)	0.0 (0)	0.0 (0)	0.0 (1)	3.2 (65)
NNE	1.4 (28)	2.1 (43)	0.5 (11)	0.0 (0)	0.0 (0)	0.0 (0)	4.1 (82)
NE	0.5 (11)	1.3 (27)	0.2 (4)	0.0 (0)	0.0 (0)	0.0 (0)	2.1 (42)
ENE	0.9 (19)	0.8 (16)	0.2 (4)	0.0 (1)	0.0 (0)	0.0 (0)	2.0 (40)
E	1.6 (33)	3.7 (74)	2.0 (40)	0.0 (1)	0.0 (0)	0.0 (0)	7.4 (148)
ESE	0.9 (19)	6.2 (124)	6.7 (135)	0.2 (4)	0.0 (0)	0.0 (0)	14.1 (282)
SE	0.8 (16)	6.1 (123)	4.8 (96)	1.2 (25)	0.0 (1)	0.0 (0)	13.0 (261)
SSE	0.4 (9)	3.8 (77)	3.8 (76)	1.5 (31)	0.0 (0)	0.0 (0)	9.6 (193)
S	0.4 (9)	3.9 (78)	3.5 (70)	0.8 (17)	0.1 (2)	0.0 (0)	8.8 (176)
SSW	0.2 (4)	0.8 (16)	1.3 (26)	0.5 (10)	0.0 (0)	0.0 (0)	2.8 (56)
SW	0.1 (3)	0.6 (12)	1.5 (30)	1.1 (22)	0.5 (11)	0.2 (5)	4.1 (83)
WSW	0.2 (4)	1.1 (22)	1.3 (27)	1.1 (22)	1.7 (35)	2.6 (52)	8.1 (162)
W	0.2 (5)	0.3 (7)	0.4 (8)	0.7 (15)	0.8 (17)	2.6 (52)	5.2 (104)
WNW	0.0 (1)	0.9 (19)	1.2 (24)	2.1 (43)	2.4 (49)	1.6 (33)	8.4 (169)
NW	0.1 (3)	1.0 (20)	1.4 (29)	2.2 (44)	0.1 (2)	0.0 (0)	4.9 (98)
NNW	0.3 (6)	0.7 (14)	1.0 (20)	0.2 (4)	0.0 (0)	0.0 (0)	2.2 (44)
TOTAL	9.6 (193)	34.9 (699)	30.6 (614)	11.9 (239)	5.8 (117)	7.1 (143)	100.0 (2005)

FOR ALL WIND CATEGORIES

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 2208

NUMBER OF MISSING WIND OBSERVATIONS: 203

NUMBER OF CALM HOURS: 15

