

NINE MILE POINT NUCLEAR STATION

RADIOACTIVE EFFLUENT RELEASE
SEMI-ANNUAL REPORT

JANUARY - JUNE 1982

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NIAGARA MOHAWK POWER CORPORATION

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

January - June 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:

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

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:

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

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).

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d) Liquid Effluents (cont):

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 (Jan-March)=(no discharges)
AVE MPC (Apr-June) = (no discharges)

3. Average Energy (Fission and activation gases)

Jan-March $\overline{E}_\gamma = 0.16$ mev, $\overline{E}_\beta = 0.24$ mev

April-June 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 gases: Stack monitor calibrated to (GeLi) isotopic analysis of 4L 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: 0.
2. Total time period for batch releases: 0 hours 0 min.
3. Maximum time period for a batch release: 0 hours 0 min.

5. Batch Releases (cont):

a. Liquid (cont)

- 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. Liquid

None

b. Gaseous

None

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TABLE 1A

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

	<u>UNIT</u>	<u>1st QUARTER</u>	<u>2nd QUARTER</u>	<u>EST..TOTAL. ERROR, %</u>
A. Fission & Activation Gases				
1. Total release	Ci	5.11 E+01	UNIT	2.0 E+01
2. Average release rate for period	μCi/sec	6.57 E+00	SHUTDOWN	
3. Percent of Technical Specification limit	%	*	*	
B. Iodines				
1. Total Iodine-131	Ci	1.97 E-02	3.83 E-04	1.5 E+01
2. Average release rate for period	μCi/sec	2.53 E-03	4.87 E-05	
3. Percent of Technical Specification limit	%	*	*	
C. Particulates				
1. Particulates with half- lives >8 days	Ci	1.67 E-03	1.83 E-03	2.0 E+01
2. Average release rate for period	μCi/sec	2.15 E-04	2.33 E-04	
3. Percent of Technical Specification limit	%	*	*	
4. Gross alpha radio- activity	Ci	1.17 E-05	1.35 E-05	
D. Tritium				
1. Total release	Ci	1.13 E+01	1.53 E+01	
2. Average release rate for period	μCi/sec	1.45 E+00	1.95 E+00	
3. Percent of Technical Specification limit	%	None Specified		
E.* Percent of Technical Specification limits				
Fission and activation gases:				
1. NMP-1 elevated release	%	2.19 E-04	Unit Shutdown	
2. JAF elevated release	%	3.15 E-01	1.97 E+00	
3. JAF ground-level release	%	1.14 E-03	7.74 E-02	
4. Total Site Release	%	3.16 E-01	2.05 E+00	
Halogens and particulates with half-lives greater than 8 days:				
5. NMP-1 elevated release	%	3.30 E-03	3.37 E-04	
6. JAF elevated release	%	6.65 E-04	2.10 E-03	
7. JAF ground-level release	%	2.71 E-03	5.96 E-03	
8. Total Site Release		6.68 E-03	8.40 E-03	

TABLE 1B

RADIOACTIVE EFFLUENT RELEASE SEMI-ANNUAL REPORT (1982)
 NINE MILE POINT NUCLEAR STATION #1
 GASEOUS EFFLUENTS-ELEVATED RELEASE

		CONTINUOUS MODE	
	<u>Unit</u>	<u>1st Quarter</u>	<u>2nd Quarter</u>
Nuclides Released			
1. <u>Fission Gases</u>			
krypton-85m	Ci	-----	-----
krypton-87	Ci	-----	-----
krypton-88	Ci	-----	-----
xenon-133	Ci	2.14 E+01	-----
xenon-135	Ci	2.97 E+01	-----
xenon-135m	Ci	-----	-----
xenon-138	Ci	-----	-----
Total for period	Ci	5.11 E+01	Unit Shutdown
2. <u>Iodines</u>			
iodine-131	Ci	1.84 E-03	3.02 E-04
iodine-133	Ci	7.69 E-03	8.07 E-05
iodine-135	Ci	1.02 E-02	-----
Total for period	Ci	1.97 E-02	3.83 E-04
3. <u>Particulates</u>			
strontium-89	Ci	1.19 E-04	5.68 E-06
strontium-90	Ci	5.72 E-05	2.90 E-06
cesium-134	Ci	7.37 E-06	-----
cesium-137	Ci	2.20 E-04	4.10 E-04
cobalt-60	Ci	1.24 E-03	1.39 E-03
cobalt-58	Ci	-----	-----
manganese-54	Ci	3.02 E-05	9.24 E-06
barium-lanthanum-140	Ci	-----	1.56 E-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 (1982)
GASEOUS EFFLUENTS-GROUND-LEVEL RELEASES

January - June

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

January - June

There are no liquid effluent releases from the Nine Mile Point Nuclear Station Unit #1.

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>Jan-June(82)</u>	<u>Est. Total Error, %</u>
a. Evaporator Bottom	m ³	5.97 E+01	2.5 E+01
	Ci	1.62 E+02	
Resin or Filter Sludges	m ³	2.21 E+01	2.5 E+01
	Ci	3.65 E+02	
Liquid Waste	m ³	None	-----
	Ci	-----	
b. Dry Compressible Waste or Contaminated Equipment	m ³	9.03 E+01	2.5 E+01
	Ci	6.39 E-01	
c. Irradiated Components	m ³	1.70 E+00	2.5 E+01
	Ci	5.75 E+03	

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

a. Evaporator Bottoms - Resins - Filter Sludges		
Cobalt-60	%	6.13 E+01
Cesium-137	%	3.14 E+01
Cesium-134	%	4.20 E+00
Manganese-54	%	2.10 E+00
Cobalt-58	%	1.00 E+00
b. Dry Compressible Waste Varies		SAME AS ABOVE
c. Irradiated Components		
Cobalt-60	%	9.57 E+01
Manganese-54	%	3.40 E+00
Cesium-137	%	9.00 E-01

3. Solid Waste Disposition

<u>Number of Shipments</u>	<u>Mode of Transportation</u>	<u>Destination</u>
26	Truck	Chem-Nuclear Systems Barnwell, South Carolina
6	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 (1982)
NINE MILE POINT NUCLEAR STATION #1
HOURS AT EACH WIND SPEED AND DIRECTION

January - June

***** 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	LT -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 JAN 1 1982 THROUGH MAR 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)	0.3 (6)	0.3 (6)	0.2 (3)	0.0 (0)	0.0 (0)	0.8 (15)
NNE	0.1 (1)	0.0 (0)	0.2 (3)	0.7 (13)	0.3 (6)	0.1 (2)	1.3 (25)
NE	0.0 (0)	0.1 (2)	0.2 (3)	0.0 (0)	0.1 (1)	0.0 (0)	0.3 (6)
ENE	0.1 (1)	0.1 (2)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.2 (3)
E	0.1 (1)	0.1 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.1 (2)
ESE	0.0 (0)	0.0 (0)	0.0 (0)	0.3 (5)	0.0 (0)	0.0 (0)	0.3 (5)
SE	0.1 (1)	0.1 (2)	0.2 (3)	0.2 (3)	0.0 (0)	0.0 (0)	0.5 (9)
SSE	0.0 (0)	0.0 (0)	0.3 (5)	0.0 (0)	0.0 (0)	0.0 (0)	0.3 (5)
S	0.0 (0)	0.0 (0)	0.0 (0)	0.2 (3)	0.0 (0)	0.1 (2)	0.3 (5)
SSW	0.0 (0)	0.0 (0)	0.2 (4)	0.0 (0)	0.0 (0)	0.0 (0)	0.2 (4)
SW	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.1 (1)	0.1 (1)
WSW	0.1 (1)	0.2 (3)	0.1 (1)	0.2 (3)	0.1 (2)	0.3 (5)	0.8 (15)
W	0.0 (0)	0.1 (2)	0.1 (1)	0.0 (0)	0.1 (1)	0.7 (14)	0.9 (18)
WNW	0.0 (0)	0.0 (0)	0.1 (1)	0.3 (5)	0.2 (3)	1.4 (28)	1.9 (37)
NW	0.0 (0)	0.0 (0)	0.1 (1)	0.1 (2)	0.1 (2)	0.6 (12)	0.9 (17)
NNW	0.0 (0)	0.2 (4)	0.1 (1)	0.1 (2)	0.0 (0)	0.0 (0)	0.4 (7)
TOTAL	0.3 (5)	1.1 (22)	1.5 (29)	2.0 (39)	0.8 (15)	3.2 (64)	8.8 (174)

FOR STABILITY CLASS - A

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 179

NUMBER OF MISSING WIND OBSERVATIONS: 5

NUMBER OF CALM HOURS: 0

NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE UPPER (9)

DATA FOR JAN 1 1982 THROUGH MAR 31 1982

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
N	0.0 (0)	0.1 (1)	0.1 (1)	0.1 (2)	0.1 (1)	0.0 (0)	0.3 (5)
NNE	0.1 (1)	0.1 (2)	0.1 (1)	0.1 (1)	0.1 (2)	0.0 (0)	0.4 (7)
NE	0.0 (0)	0.0 (0)	0.1 (2)	0.0 (0)	0.1 (1)	0.0 (0)	0.2 (3)
ENE	0.1 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.1 (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)	0.0 (0)	0.0 (0)	0.1 (1)	0.0 (0)	0.0 (0)	0.1 (1)
SE	0.0 (0)	0.1 (2)	0.1 (2)	0.1 (2)	0.0 (0)	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	0.1 (1)	0.0 (0)	0.0 (0)	0.1 (2)	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)	0.0 (0)	0.0 (0)	0.1 (1)	0.0 (0)	0.1 (1)
WSW	0.0 (0)	0.0 (0)	0.0 (0)	0.1 (1)	0.1 (1)	0.5 (10)	0.6 (12)
W	0.0 (0)	0.1 (1)	0.0 (0)	0.0 (0)	0.2 (3)	0.7 (14)	0.9 (18)
WNW	0.0 (0)	0.1 (1)	0.1 (1)	0.0 (0)	0.1 (1)	0.6 (11)	0.7 (14)
NW	0.0 (0)	0.1 (1)	0.1 (2)	0.0 (0)	0.1 (2)	0.5 (9)	0.7 (14)
NNW	0.1 (1)	0.0 (0)	0.0 (0)	0.1 (1)	0.0 (0)	0.0 (0)	0.1 (2)
TOTAL	0.2 (4)	0.4 (8)	0.6 (12)	0.6 (12)	0.6 (12)	2.2 (44)	4.7 (92)

FOR STABILITY CLASS - B

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 95

NUMBER OF MISSING WIND OBSERVATIONS: 3

NUMBER OF CALM HOURS: 0

NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE UPPER (9)

DATA FOR JAN 1 1982 THROUGH MAR 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	0.1 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.1 (1)
NNE	0.0 (0)	0.0 (0)	0.1 (1)	0.1 (2)	0.1 (2)	0.0 (0)	0.3 (5)
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	0.0 (0)	0.1 (2)	0.0 (0)	0.1 (1)	0.0 (0)	0.0 (0)	0.2 (3)
ESE	0.0 (0)	0.0 (0)	0.1 (1)	0.1 (2)	0.1 (1)	0.0 (0)	0.2 (4)
SE	0.0 (0)	0.1 (1)	0.1 (1)	0.1 (2)	0.0 (0)	0.0 (0)	0.2 (4)
SSE	0.1 (1)	0.0 (0)	0.1 (1)	0.0 (0)	0.1 (1)	0.0 (0)	0.2 (3)
S	0.0 (0)	0.0 (0)	0.0 (0)	0.1 (1)	0.0 (0)	0.0 (0)	0.1 (1)
SSW	0.0 (0)	0.0 (0)	0.0 (0)	0.1 (2)	0.0 (0)	0.0 (0)	0.1 (2)
SW	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.1 (1)	0.1 (1)
WSW	0.1 (1)	0.0 (0)	0.0 (0)	0.1 (1)	0.1 (2)	0.4 (8)	0.6 (12)
W	0.1 (1)	0.0 (0)	0.1 (1)	0.1 (1)	0.0 (0)	0.7 (14)	0.9 (17)
WNW	0.1 (1)	0.1 (2)	0.0 (0)	0.3 (5)	0.2 (3)	0.6 (12)	1.2 (23)
NW	0.0 (0)	0.1 (1)	0.0 (0)	0.2 (4)	0.3 (5)	0.8 (15)	1.3 (25)
NNW	0.0 (0)	0.0 (0)	0.0 (0)	0.2 (3)	0.2 (3)	0.0 (0)	0.3 (6)
TOTAL	0.3 (5)	0.3 (6)	0.3 (5)	1.2 (24)	0.9 (17)	2.5 (50)	5.4 (107)

FOR STABILITY CLASS - C

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 108

NUMBER OF MISSING WIND OBSERVATIONS: 1

NUMBER OF CALM HOURS: 0

NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE UPPER (9)

DATA FOR JAN 1 1982 THROUGH MAR 31 1982

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	0.0 (0)	0.0 (0)	0.3 (5)	0.7 (14)	0.8 (15)	0.5 (10)	2.2 (44)
NNE	0.2 (3)	0.3 (5)	0.5 (9)	0.8 (16)	0.6 (12)	0.8 (16)	3.1 (61)
NE	0.1 (2)	0.3 (5)	0.4 (8)	0.4 (7)	1.2 (23)	1.0 (19)	3.2 (64)
ENE	0.1 (1)	0.3 (6)	0.3 (6)	0.0 (0)	0.0 (0)	0.0 (0)	0.7 (13)
E	0.1 (1)	0.3 (5)	0.1 (1)	0.2 (3)	0.0 (0)	0.0 (0)	0.5 (10)
ESE	0.1 (2)	0.3 (5)	0.7 (13)	1.4 (27)	0.9 (17)	0.1 (1)	3.3 (65)
SE	0.2 (3)	0.5 (9)	0.8 (16)	1.8 (36)	0.9 (18)	0.5 (10)	4.7 (92)
SSE	0.2 (3)	0.4 (8)	0.4 (7)	0.5 (9)	0.5 (9)	0.0 (0)	1.8 (36)
S	0.0 (0)	0.4 (7)	0.3 (6)	1.0 (20)	0.7 (13)	0.1 (1)	2.4 (47)
SSW	0.0 (0)	0.1 (1)	0.3 (5)	0.7 (13)	0.5 (10)	0.6 (11)	2.0 (40)
SW	0.1 (2)	0.2 (3)	0.4 (8)	0.6 (12)	0.5 (9)	2.0 (40)	3.8 (74)
WSW	0.1 (1)	0.2 (4)	0.2 (3)	0.4 (7)	0.6 (12)	3.4 (67)	4.8 (94)
W	0.1 (2)	0.2 (4)	1.1 (22)	0.9 (18)	0.7 (14)	3.7 (73)	6.7 (133)
WNW	0.0 (0)	0.0 (0)	0.6 (11)	1.4 (28)	1.7 (33)	2.0 (39)	5.6 (111)
NW	0.1 (1)	0.2 (4)	0.6 (12)	1.4 (27)	0.9 (17)	0.7 (13)	3.8 (74)
NNW	0.1 (1)	0.2 (3)	0.5 (9)	0.4 (8)	0.3 (5)	0.0 (0)	1.3 (26)
TOTAL	1.1 (22)	3.5 (69)	7.2 (141)	12.4 (245)	10.5 (207)	15.2 (300)	49.9 (984)

FOR STABILITY CLASS - D

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 995

NUMBER OF MISSING WIND OBSERVATIONS: 11

NUMBER OF CALM HOURS: 1

NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE UPPER (9)

DATA FOR JAN 1 1982 THROUGH MAR 31 1982

JG120*

STABILITY CLASS - E

% 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 (1)	0.1 (1)	0.1 (1)	0.3 (6)	0.1 (1)	0.6 (11)
NNE	0.1 (2)	0.1 (2)	0.2 (3)	0.1 (2)	0.1 (1)	0.2 (3)	0.7 (13)
NE	0.0 (0)	0.0 (0)	0.2 (3)	0.3 (5)	0.1 (1)	0.0 (0)	0.5 (9)
ENE	0.1 (1)	0.1 (1)	0.4 (7)	0.1 (1)	0.0 (0)	0.0 (0)	0.5 (10)
E	0.0 (0)	0.2 (3)	0.7 (13)	0.2 (3)	0.1 (1)	0.0 (0)	1.0 (20)
ESE	0.2 (3)	0.5 (9)	0.7 (13)	1.2 (23)	0.5 (10)	0.0 (0)	2.9 (58)
SE	0.1 (2)	0.2 (4)	0.9 (17)	3.0 (60)	1.4 (28)	1.3 (25)	6.9 (136)
SSE	0.2 (3)	0.1 (1)	0.9 (17)	1.3 (25)	0.5 (10)	0.3 (6)	3.1 (62)
S	0.2 (3)	0.3 (6)	1.1 (21)	0.7 (14)	0.4 (7)	0.0 (0)	2.6 (51)
SSW	0.0 (0)	0.1 (2)	0.7 (13)	0.8 (15)	0.3 (5)	0.1 (2)	1.9 (37)
SW	0.1 (1)	0.2 (3)	0.2 (4)	0.5 (9)	0.4 (8)	0.1 (2)	1.4 (27)
WSW	0.0 (0)	0.1 (1)	0.2 (3)	0.2 (4)	0.2 (4)	0.9 (18)	1.5 (30)
W	0.1 (1)	0.1 (2)	0.3 (5)	0.4 (8)	0.4 (8)	0.9 (17)	2.1 (41)
WNW	0.1 (1)	0.0 (0)	0.1 (1)	0.1 (1)	0.1 (1)	0.3 (5)	0.5 (9)
NW	0.0 (0)	0.0 (0)	0.0 (0)	0.2 (3)	0.0 (0)	0.0 (0)	0.2 (3)
NNW	0.0 (0)	0.1 (1)	0.0 (0)	0.1 (1)	0.0 (0)	0.0 (0)	0.1 (2)
TOTAL	0.9 (18)	1.8 (36)	6.1 (121)	8.9 (175)	4.6 (90)	4.0 (79)	26.3 (519)

FOR STABILITY CLASS - E

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 529

NUMBER OF MISSING WIND OBSERVATIONS: 10

NUMBER OF CALM HOURS: 0

NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE UPPER (9)

DATA FOR JAN 1 1982 THROUGH MAR 31 1982

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 (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)	0.1 (2)	0.1 (2)
ENE	0.0 (0)	0.1 (2)	0.2 (4)	0.1 (1)	0.0 (0)	0.0 (0)	0.4 (7)
E	0.1 (1)	0.1 (1)	0.0 (0)	0.1 (1)	0.0 (0)	0.0 (0)	0.2 (3)
ESE	0.0 (0)	0.1 (2)	0.0 (0)	0.1 (1)	0.0 (0)	0.0 (0)	0.2 (3)
SE	0.0 (0)	0.0 (0)	0.2 (4)	0.5 (9)	0.1 (1)	0.0 (0)	0.7 (14)
SSE	0.0 (0)	0.1 (1)	0.1 (1)	0.3 (5)	0.0 (0)	0.0 (0)	0.4 (7)
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)	0.1 (2)	0.2 (3)	0.1 (1)	0.0 (0)	0.0 (0)	0.3 (6)
SW	0.1 (1)	0.1 (1)	0.3 (6)	0.0 (0)	0.0 (0)	0.0 (0)	0.4 (8)
WSW	0.0 (0)	0.2 (3)	0.0 (0)	0.0 (0)	0.1 (1)	0.2 (3)	0.4 (7)
W	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.1 (1)	0.0 (0)	0.1 (1)
WNW	0.0 (0)	0.0 (0)	0.1 (1)	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	0.1 (2)	0.7 (14)	1.2 (24)	0.9 (18)	0.2 (3)	0.3 (5)	3.3 (66)

FOR STABILITY CLASS - F

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 72

NUMBER OF MISSING WIND OBSERVATIONS: 6

NUMBER OF CALM HOURS: 0

NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE UPPER (9)

DATA FOR JAN 1 1982 THROUGH MAR 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 (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 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)
E	0.0 (0)	0.1 (1)	0.1 (2)	0.0 (0)	0.0 (0)	0.0 (0)	0.2 (3)
ESE	0.0 (0)	0.0 (0)	0.1 (2)	0.0 (0)	0.0 (0)	0.0 (0)	0.1 (2)
SE	0.0 (0)	0.1 (1)	0.1 (2)	0.3 (5)	0.0 (0)	0.0 (0)	0.4 (8)
SSE	0.0 (0)	0.1 (1)	0.2 (3)	0.1 (2)	0.0 (0)	0.0 (0)	0.3 (6)
S	0.0 (0)	0.1 (1)	0.2 (4)	0.1 (1)	0.0 (0)	0.0 (0)	0.3 (6)
SSW	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)
SW	0.1 (1)	0.0 (0)	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)	0.0 (0)	0.0 (0)	0.0 (0)	0.1 (2)
W	0.0 (0)	0.1 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.1 (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	0.1 (1)	0.3 (6)	0.7 (14)	0.4 (8)	0.0 (0)	0.0 (0)	1.5 (29)

FOR STABILITY CLASS - G

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 29

NUMBER OF MISSING WIND OBSERVATIONS: 0

NUMBER OF CALM HOURS: 0

NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE UPPER (9)

DATA FOR JAN 1 1982 THROUGH MAR 31 1982

JG120*

STABILITY CLASS - ALL

% 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	0.1 (2)	0.4 (8)	0.7 (13)	1.0 (20)	1.1 (22)	0.6 (11)	3.9 (76)
NNE	0.4 (7)	0.5 (9)	0.9 (17)	1.7 (34)	1.2 (23)	1.1 (21)	5.6 (111)
NE	0.1 (2)	0.4 (7)	0.8 (16)	0.6 (12)	1.3 (26)	1.1 (21)	4.3 (84)
ENE	0.2 (4)	0.6 (11)	0.9 (17)	0.1 (2)	0.0 (0)	0.0 (0)	1.7 (34)
E	0.2 (3)	0.7 (13)	0.8 (16)	0.4 (8)	0.1 (1)	0.0 (0)	2.1 (41)
ESE	0.3 (5)	0.8 (16)	1.5 (29)	3.0 (59)	1.4 (28)	0.1 (1)	7.0 (138)
SE	0.3 (6)	1.0 (19)	2.3 (45)	5.9 (117)	2.4 (47)	1.8 (35)	13.6 (269)
SSE	0.4 (7)	0.6 (11)	1.8 (36)	2.2 (43)	1.0 (20)	0.3 (6)	6.2 (123)
S	0.2 (4)	0.8 (16)	1.8 (36)	2.1 (41)	1.0 (20)	0.2 (3)	6.1 (120)
SSW	0.0 (0)	0.3 (5)	1.3 (26)	1.6 (31)	0.8 (15)	0.7 (13)	4.6 (90)
SW	0.3 (5)	0.4 (7)	0.9 (18)	1.1 (21)	0.9 (18)	2.2 (44)	5.7 (113)
WSW	0.2 (3)	0.6 (12)	0.4 (8)	0.8 (16)	1.1 (22)	5.6 (111)	8.7 (172)
W	0.2 (4)	0.5 (10)	1.5 (29)	1.4 (27)	1.4 (27)	6.7 (132)	11.6 (229)
WNW	0.1 (2)	0.2 (3)	0.8 (15)	2.0 (39)	2.1 (41)	4.8 (95)	9.9 (195)
NW	0.1 (1)	0.3 (6)	0.8 (15)	1.8 (36)	1.3 (26)	2.5 (49)	6.7 (133)
NNW	0.1 (2)	0.4 (8)	0.5 (10)	0.8 (15)	0.4 (8)	0.0 (0)	2.2 (43)
TOTAL	2.9 (57)	8.2 (161)	17.6 (346)	26.4 (521)	17.5 (344)	27.5 (542)	100.0 (1971)

FOR STABILITY CLASS - ALL

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 2007

NUMBER OF MISSING WIND OBSERVATIONS: 36

NUMBER OF CALM HOURS: 1177

NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE UPPER (9)

DATA FOR JAN 1 1982 THROUGH MAR 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	0.1 (2)	0.4 (8)	0.7 (13)	1.0 (20)	1.1 (22)	0.6 (11)	3.9 (76)
NNE	0.4 (7)	0.5 (9)	0.9 (17)	1.7 (34)	1.2 (23)	1.1 (21)	5.6 (111)
NE	0.1 (2)	0.4 (7)	0.8 (16)	0.6 (12)	1.3 (26)	1.1 (21)	4.3 (84)
ENE	0.2 (4)	0.6 (11)	0.9 (17)	0.1 (2)	0.0 (0)	0.0 (0)	1.7 (34)
E	0.2 (3)	0.7 (13)	0.8 (16)	0.4 (8)	0.1 (1)	0.0 (0)	2.1 (41)
ESE	0.3 (5)	0.8 (16)	1.5 (29)	3.0 (59)	1.4 (28)	0.1 (1)	7.0 (138)
SE	0.3 (6)	1.0 (19)	2.3 (45)	5.9 (117)	2.4 (47)	1.8 (35)	13.6 (269)
SSE	0.4 (7)	0.6 (11)	1.8 (36)	2.2 (43)	1.0 (20)	0.3 (6)	6.2 (123)
S	0.2 (4)	0.8 (16)	1.8 (36)	2.1 (41)	1.0 (20)	0.2 (3)	6.1 (120)
SSW	0.0 (0)	0.3 (5)	1.3 (26)	1.6 (31)	0.8 (15)	0.7 (13)	4.6 (90)
SW	0.3 (5)	0.4 (7)	0.9 (18)	1.1 (21)	0.9 (18)	2.2 (44)	5.7 (113)
WSW	0.2 (3)	0.6 (12)	0.4 (8)	0.8 (16)	1.1 (22)	5.6 (111)	8.7 (172)
W	0.2 (4)	0.5 (10)	1.5 (29)	1.4 (27)	1.4 (27)	16.7 (332)	11.6 (229)
WNW	0.1 (2)	0.2 (3)	0.8 (15)	2.0 (39)	2.1 (41)	4.8 (95)	9.9 (195)
NW	0.1 (1)	0.3 (6)	0.8 (15)	1.8 (36)	1.3 (26)	2.5 (49)	6.7 (133)
NNW	0.1 (2)	0.4 (8)	0.5 (10)	0.8 (15)	0.4 (8)	0.0 (0)	2.2 (43)
TOTAL	2.9 (57)	8.2 (161)	17.6 (346)	26.4 (521)	17.5 (344)	27.5 (542)	100.0 (1971)

FOR ALL WIND CATEGORIES

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 2160

NUMBER OF MISSING WIND OBSERVATIONS: 189

NUMBER OF CALM HOURS: 1

NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE UPPER (9)

DATA FOR APR 1 1982 THROUGH JUNE 30 1982

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	0.1 (1)	0.1 (1)	0.1 (1)	0.1 (1)	0.1 (1)	0.1 (2)	0.4 (7)
NNE	0.0 (0)	0.1 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.1 (2)	0.2 (3)
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 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.1 (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 (1)	0.2 (4)	0.0 (0)	0.0 (0)	0.0 (0)	0.3 (5)
SE	0.0 (0)	0.1 (1)	0.4 (7)	0.1 (1)	0.1 (1)	0.0 (0)	0.5 (10)
SSE	0.0 (0)	0.1 (1)	0.3 (5)	0.7 (12)	0.1 (2)	0.0 (0)	1.1 (20)
S	0.0 (0)	0.0 (0)	0.2 (3)	0.2 (4)	0.1 (1)	0.0 (0)	0.4 (8)
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)	0.4 (8)	0.0 (0)	0.2 (3)	0.6 (11)
W	0.0 (0)	0.1 (1)	0.3 (6)	0.1 (1)	0.1 (2)	0.3 (6)	0.9 (16)
WNW	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.1 (1)	0.4 (8)	0.5 (9)
NW	0.0 (0)	0.1 (2)	0.1 (2)	0.0 (0)	0.0 (0)	0.5 (9)	0.7 (13)
NNW	0.0 (0)	0.1 (1)	0.1 (1)	0.0 (0)	0.0 (0)	0.1 (1)	0.2 (3)
TOTAL	0.1 (1)	0.5 (10)	1.6 (29)	1.5 (27)	0.4 (8)	1.7 (31)	5.8 (106)

FOR STABILITY CLASS - A

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 106

NUMBER OF MISSING WIND OBSERVATIONS: 0

NUMBER OF CALM HOURS: 0

NIAGARA MOHAWK

OSWEGO AMBIENT AIR MONITORING

SITE: NINE MILE UPPER (9)

DATA FOR APR 1 1982 THROUGH JUNE 30 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)	0.0 (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)	0.1 (1)	0.1 (1)
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 (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)	0.0 (0)	0.0 (0)	0.0 (0)	0.1 (1)
ESE	0.0 (0)	0.0 (0)	0.1 (1)	0.1 (1)	0.0 (0)	0.0 (0)	0.1 (2)
SE	0.0 (0)	0.1 (1)	0.3 (5)	0.1 (2)	0.0 (0)	0.0 (0)	0.4 (8)
SSE	0.0 (0)	0.1 (1)	0.1 (1)	0.2 (4)	0.0 (0)	0.0 (0)	0.3 (6)
S	0.0 (0)	0.0 (0)	0.1 (2)	0.1 (1)	0.1 (2)	0.0 (0)	0.3 (5)
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)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)
WSW	0.0 (0)	0.0 (0)	0.2 (3)	0.3 (5)	0.2 (4)	0.1 (2)	0.8 (14)
W	0.0 (0)	0.0 (0)	0.0 (0)	0.1 (2)	0.1 (1)	0.8 (14)	0.9 (17)
WNW	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.1 (1)	0.1 (1)
NW	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.1 (1)	0.1 (1)
NNW	0.0 (0)	0.0 (0)	0.0 (0)	0.1 (1)	0.0 (0)	0.0 (0)	0.1 (1)
TOTAL	0.0 (0)	0.2 (4)	0.8 (15)	0.9 (16)	0.4 (7)	1.0 (19)	3.3 (61)

FOR STABILITY CLASS - B

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 61

NUMBER OF MISSING WIND OBSERVATIONS: 0

NUMBER OF CALM HOURS: 0

NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE UPPER (9)

DATA FOR APR 1 1982 THROUGH JUNE 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)	0.0 (0)	0.0 (0)	0.0 (0)	0.1 (1)	0.0 (0)	0.1 (1)
NNE	0.0 (0)	0.1 (2)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.1 (2)
NE	0.0 (0)	0.1 (1)	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)	0.1 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.1 (1)
SE	0.0 (0)	0.1 (1)	0.1 (2)	0.2 (4)	0.1 (1)	0.0 (0)	0.4 (8)
SSE	0.0 (0)	0.1 (1)	0.0 (0)	0.1 (1)	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)	0.0 (0)	0.1 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.1 (1)
SW	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)
WSW	0.0 (0)	0.0 (0)	0.1 (2)	0.2 (3)	0.3 (6)	0.2 (4)	0.8 (15)
W	0.0 (0)	0.1 (2)	0.0 (0)	0.1 (1)	0.0 (0)	0.6 (11)	0.8 (14)
WNW	0.0 (0)	0.0 (0)	0.0 (0)	0.1 (1)	0.1 (1)	0.3 (6)	0.4 (8)
NW	0.0 (0)	0.0 (0)	0.0 (0)	0.1 (1)	0.0 (0)	0.2 (4)	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	0.0 (0)	0.4 (7)	0.4 (8)	0.7 (12)	0.5 (9)	1.4 (25)	3.3 (61)

FOR STABILITY CLASS - C

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 62

NUMBER OF MISSING WIND OBSERVATIONS: 1

NUMBER OF CALM HOURS: 0

NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE UPPER (9)

DATA FOR APR 1 1982 THROUGH JUNE 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	0.1 (1)	0.0 (0)	0.0 (0)	0.1 (2)	0.1 (1)	0.0 (0)	0.2 (4)
NNE	0.0 (0)	0.1 (1)	0.1 (1)	0.1 (2)	0.1 (1)	0.1 (1)	0.3 (6)
NE	0.0 (0)	0.2 (4)	0.1 (1)	0.1 (2)	0.1 (2)	0.2 (3)	0.7 (12)
ENE	0.0 (0)	0.2 (3)	0.1 (1)	0.0 (0)	0.1 (1)	0.0 (0)	0.3 (5)
E	0.0 (0)	0.1 (1)	0.1 (2)	0.0 (0)	0.0 (0)	0.0 (0)	0.2 (3)
ESE	0.0 (0)	0.0 (0)	0.4 (8)	1.0 (18)	0.3 (6)	0.0 (0)	1.8 (32)
SE	0.1 (1)	0.1 (2)	0.5 (10)	1.3 (24)	0.4 (8)	0.2 (4)	2.7 (49)
SSE	0.1 (1)	0.1 (2)	0.9 (16)	0.4 (7)	0.5 (9)	0.2 (3)	2.1 (38)
S	0.1 (1)	0.1 (1)	0.3 (5)	0.4 (7)	0.5 (9)	0.1 (2)	1.4 (25)
SSW	0.0 (0)	0.0 (0)	0.1 (1)	0.1 (1)	0.0 (0)	0.0 (0)	0.1 (2)
SW	0.1 (1)	0.1 (2)	0.2 (4)	0.3 (5)	0.2 (4)	0.3 (6)	1.2 (22)
WSW	0.0 (0)	0.2 (4)	1.1 (20)	2.1 (39)	2.9 (53)	1.6 (30)	8.0 (146)
W	0.1 (1)	0.3 (5)	0.4 (7)	1.0 (19)	1.2 (22)	1.9 (34)	4.8 (88)
WNW	0.0 (0)	0.1 (1)	0.1 (1)	0.1 (1)	0.2 (3)	0.8 (15)	1.1 (21)
NW	0.1 (2)	0.1 (1)	0.0 (0)	0.0 (0)	0.3 (5)	0.4 (7)	0.8 (15)
NNW	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)
TOTAL	0.4 (8)	1.5 (27)	4.2 (77)	7.0 (127)	6.8 (124)	5.7 (105)	25.6 (468)

FOR STABILITY CLASS - D

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 477

NUMBER OF MISSING WIND OBSERVATIONS: 9

NUMBER OF CALM HOURS: 0

NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE UPPER (9)

DATA FOR APR 1 1982 THROUGH JUNE 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)	0.1 (2)	0.2 (3)	0.1 (2)	0.7 (12)	0.1 (2)	1.3 (24)
NNE	0.0 (0)	0.1 (2)	0.2 (4)	0.2 (4)	0.1 (1)	0.1 (1)	0.7 (12)
NE	0.1 (2)	0.3 (5)	0.4 (7)	0.3 (6)	0.3 (6)	0.1 (2)	1.5 (28)
ENE	0.2 (3)	0.2 (4)	0.3 (6)	0.4 (7)	0.0 (0)	0.0 (0)	1.1 (20)
E	0.1 (1)	0.2 (4)	0.5 (10)	0.1 (1)	0.0 (0)	0.0 (0)	0.9 (16)
ESE	0.0 (0)	0.1 (2)	0.6 (11)	1.3 (23)	0.1 (2)	0.0 (0)	2.1 (38)
SE	0.1 (2)	0.2 (3)	0.8 (15)	2.8 (51)	0.4 (8)	0.9 (17)	5.3 (96)
SSE	0.1 (2)	0.1 (2)	0.3 (6)	1.1 (20)	0.6 (11)	0.0 (0)	2.2 (41)
S	0.0 (0)	0.2 (4)	0.4 (7)	0.9 (16)	0.2 (3)	0.0 (0)	1.6 (30)
SSW	0.1 (1)	0.1 (2)	0.2 (3)	0.6 (11)	0.0 (0)	0.0 (0)	0.9 (17)
SW	0.1 (2)	0.2 (3)	1.0 (18)	0.5 (9)	0.3 (5)	0.5 (9)	2.5 (46)
WSW	0.2 (3)	0.8 (15)	2.3 (42)	1.8 (33)	0.9 (16)	1.8 (32)	7.7 (141)
W	0.2 (4)	0.8 (14)	0.7 (13)	0.4 (7)	0.9 (17)	0.6 (11)	3.6 (66)
WNW	0.2 (3)	0.4 (8)	0.3 (6)	0.1 (2)	0.1 (1)	0.1 (2)	1.2 (22)
NW	0.2 (4)	0.2 (3)	0.1 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.4 (8)
NNW	0.1 (1)	0.2 (3)	0.1 (1)	0.1 (2)	0.0 (0)	0.0 (0)	0.4 (7)
TOTAL	1.7 (31)	4.2 (76)	8.4 (153)	10.6 (194)	4.5 (82)	4.2 (76)	33.5 (612)

FOR STABILITY CLASS - E

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 623

NUMBER OF MISSING WIND OBSERVATIONS: 11

NUMBER OF CALM HOURS: 0

NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE UPPER (9)

DATA FOR APR 1 1982 THROUGH JUNE 30 1982

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	0.1 (1)	0.4 (8)	0.1 (2)	0.2 (3)	0.1 (2)	0.0 (0)	0.9 (16)
NNE	0.0 (0)	0.3 (5)	0.3 (5)	0.3 (6)	0.3 (6)	0.1 (2)	1.3 (24)
NE	0.1 (2)	0.1 (2)	0.3 (5)	0.2 (4)	0.2 (4)	0.1 (2)	1.0 (19)
ENE	0.1 (1)	0.2 (3)	0.5 (10)	0.0 (0)	0.0 (0)	0.0 (0)	0.8 (14)
E	0.0 (0)	0.0 (0)	0.4 (8)	0.2 (3)	0.0 (0)	0.0 (0)	0.6 (11)
ESE	0.1 (2)	0.1 (1)	0.3 (6)	0.2 (4)	0.0 (0)	0.0 (0)	0.7 (13)
SE	0.1 (1)	0.0 (0)	0.1 (2)	0.7 (12)	0.0 (0)	0.0 (0)	0.8 (15)
SSE	0.1 (2)	0.1 (2)	0.1 (1)	0.5 (10)	0.1 (2)	0.0 (0)	0.9 (17)
S	0.1 (1)	0.3 (5)	0.1 (1)	0.2 (3)	0.0 (0)	0.0 (0)	0.5 (10)
SSW	0.0 (0)	0.1 (2)	0.2 (4)	0.2 (3)	0.1 (1)	0.0 (0)	0.5 (10)
SW	0.1 (1)	0.8 (14)	0.5 (9)	0.2 (3)	0.0 (0)	0.0 (0)	1.5 (27)
WSW	0.3 (6)	0.7 (13)	0.9 (16)	0.3 (5)	0.1 (1)	0.2 (3)	2.4 (44)
W	0.1 (2)	0.5 (10)	0.3 (6)	0.3 (6)	0.1 (1)	0.3 (6)	1.7 (31)
WNW	0.1 (2)	0.2 (4)	0.1 (2)	0.1 (2)	0.1 (1)	0.1 (1)	0.7 (12)
NW	0.2 (3)	0.2 (3)	0.1 (2)	0.1 (1)	0.0 (0)	0.0 (0)	0.5 (9)
NNW	0.1 (1)	0.1 (1)	0.0 (0)	0.2 (4)	0.0 (0)	0.0 (0)	0.3 (6)
TOTAL	1.4 (25)	4.0 (73)	4.3 (79)	3.8 (69)	1.0 (18)	0.8 (14)	15.2 (278)

FOR STABILITY CLASS - F

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 281

NUMBER OF MISSING WIND OBSERVATIONS: 3

NUMBER OF CALM HOURS: 1

NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE UPPER (9)

DATA FOR APR 1 1982 THROUGH JUNE 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	0.2 (4)	0.2 (3)	0.0 (0)	0.1 (2)	0.3 (5)	0.5 (10)	1.3 (24)
NNE	0.2 (3)	0.3 (5)	0.0 (0)	0.3 (5)	0.2 (4)	0.1 (1)	1.0 (18)
NE	0.1 (2)	0.1 (1)	0.3 (5)	0.1 (1)	0.1 (1)	0.0 (0)	0.5 (10)
ENE	0.1 (2)	0.0 (0)	0.5 (10)	0.0 (0)	0.0 (0)	0.0 (0)	0.7 (12)
E	0.3 (6)	0.2 (4)	0.7 (13)	0.0 (0)	0.0 (0)	0.0 (0)	1.3 (23)
ESE	0.2 (3)	0.2 (4)	0.2 (4)	0.2 (3)	0.0 (0)	0.0 (0)	0.8 (14)
SE	0.2 (3)	0.2 (3)	0.0 (0)	0.3 (5)	0.0 (0)	0.0 (0)	0.6 (11)
SSE	0.0 (0)	0.1 (2)	0.2 (4)	0.2 (4)	0.0 (0)	0.0 (0)	0.5 (10)
S	0.3 (6)	0.2 (4)	0.1 (2)	0.0 (0)	0.0 (0)	0.0 (0)	0.7 (12)
SSW	0.1 (1)	0.7 (13)	0.5 (10)	0.2 (4)	0.0 (0)	0.0 (0)	1.5 (28)
SW	0.2 (3)	0.2 (3)	0.3 (6)	0.2 (3)	0.0 (0)	0.0 (0)	0.8 (15)
WSW	0.1 (2)	0.5 (9)	0.2 (3)	0.0 (0)	0.0 (0)	0.0 (0)	0.8 (14)
W	0.3 (6)	0.2 (4)	0.0 (0)	0.2 (4)	0.1 (2)	0.1 (1)	0.9 (17)
WNW	0.1 (1)	0.1 (1)	0.2 (4)	0.0 (0)	0.0 (0)	0.1 (1)	0.4 (7)
NW	0.1 (2)	0.3 (5)	0.1 (1)	0.3 (5)	0.0 (0)	0.0 (0)	0.7 (13)
NNW	0.0 (0)	0.1 (1)	0.2 (3)	0.3 (5)	0.2 (4)	0.0 (0)	0.7 (13)
TOTAL	2.4 (44)	3.4 (62)	3.6 (65)	2.2 (41)	0.9 (16)	0.7 (13)	13.2 (241)

FOR STABILITY CLASS - G

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 241

NUMBER OF MISSING WIND OBSERVATIONS: 0

NUMBER OF CALM HOURS: 0

NIAGARA MOHAWK

OSWEGO AMBIENT AIR MONITORING

SITE: NINE MILE UPPER (9)

DATA FOR APR 1 1982 THROUGH JUNE 30 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	0.5 (10)	0.8 (14)	0.3 (6)	0.5 (10)	1.2 (22)	0.8 (14)	4.2 (76)
NNE	0.2 (3)	0.9 (16)	0.5 (10)	0.9 (17)	0.7 (12)	0.4 (8)	3.6 (66)
NE	0.3 (6)	0.8 (15)	1.0 (18)	0.7 (13)	0.7 (13)	0.4 (7)	3.9 (72)
ENE	0.3 (6)	0.6 (11)	1.5 (28)	0.4 (7)	0.1 (1)	0.0 (0)	2.9 (53)
E	0.4 (7)	0.5 (9)	1.9 (34)	0.2 (4)	0.0 (0)	0.0 (0)	3.0 (54)
ESE	0.3 (5)	0.4 (8)	1.9 (35)	2.7 (49)	0.4 (8)	0.0 (0)	5.7 (105)
SE	0.4 (7)	0.6 (11)	2.2 (41)	5.4 (99)	1.0 (18)	1.1 (21)	10.8 (197)
SSE	0.3 (5)	0.6 (11)	1.8 (33)	3.2 (58)	1.3 (24)	0.2 (3)	7.3 (134)
S	0.4 (8)	0.8 (14)	1.2 (22)	1.8 (32)	0.8 (15)	0.1 (2)	5.1 (93)
SSW	0.1 (2)	0.9 (17)	1.1 (20)	1.0 (19)	0.1 (1)	0.0 (0)	3.2 (59)
SW	0.4 (7)	1.2 (22)	2.0 (37)	1.1 (20)	0.5 (9)	0.8 (15)	6.0 (110)
WSW	0.6 (11)	2.2 (41)	4.7 (86)	5.1 (93)	4.4 (80)	4.1 (74)	21.1 (385)
W	0.7 (13)	2.0 (36)	1.8 (32)	2.2 (40)	2.5 (45)	4.5 (83)	13.6 (249)
NNW	0.3 (6)	0.8 (14)	0.7 (13)	0.3 (6)	0.4 (7)	1.9 (34)	4.4 (80)
NW	0.6 (11)	0.8 (14)	0.3 (6)	0.4 (7)	0.3 (5)	1.1 (21)	3.5 (64)
NNW	0.1 (2)	0.3 (6)	0.3 (5)	0.7 (12)	0.2 (4)	0.1 (1)	1.6 (30)
TOTAL	6.0 (109)	14.2 (259)	23.3 (426)	26.6 (486)	14.4 (264)	15.5 (283)	100.0 (1827)

FOR STABILITY CLASS - ALL

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 1851

NUMBER OF MISSING WIND OBSERVATIONS: 24

NUMBER OF CALM HOURS: 1

NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE UPPER (9)

DATA FOR APR 1 1982 THROUGH JUNE 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	0.5 (10)	0.8 (14)	0.3 (6)	0.5 (10)	1.2 (22)	0.8 (14)	4.2 (76)
NNE	0.2 (3)	0.9 (16)	0.5 (10)	0.9 (17)	0.7 (12)	0.4 (8)	3.6 (66)
NE	0.3 (6)	0.8 (15)	1.0 (18)	0.7 (13)	0.7 (13)	0.4 (7)	3.9 (72)
ENE	0.3 (6)	0.6 (11)	1.5 (28)	0.4 (7)	0.1 (1)	0.0 (0)	2.9 (53)
E	0.4 (7)	0.5 (9)	1.9 (34)	0.2 (4)	0.0 (0)	0.0 (0)	3.0 (54)
ESE	0.3 (5)	0.4 (8)	1.9 (35)	2.7 (49)	0.4 (8)	0.0 (0)	5.7 (105)
SE	0.4 (7)	0.6 (11)	2.2 (41)	5.4 (99)	1.0 (18)	1.1 (21)	10.8 (197)
SSE	0.3 (5)	0.6 (11)	1.8 (33)	3.2 (58)	1.3 (24)	0.2 (3)	7.3 (134)
S	0.4 (8)	0.8 (14)	1.2 (22)	1.7 (32)	0.8 (15)	0.1 (2)	5.1 (93)
SSW	0.1 (2)	0.9 (17)	1.1 (20)	1.0 (19)	0.1 (1)	0.0 (0)	3.2 (59)
SW	0.4 (7)	1.2 (22)	2.0 (37)	1.1 (20)	0.5 (9)	0.8 (15)	6.0 (110)
WSW	0.6 (11)	2.2 (41)	4.7 (86)	5.1 (93)	4.4 (81)	4.1 (75)	21.2 (387)
W	0.7 (13)	2.0 (36)	1.7 (32)	2.2 (40)	2.5 (45)	4.5 (83)	13.6 (249)
WNW	0.3 (6)	0.8 (14)	0.7 (13)	0.3 (6)	0.4 (7)	1.9 (34)	4.4 (80)
NW	0.6 (11)	0.8 (14)	0.3 (6)	0.4 (7)	0.3 (5)	1.1 (21)	3.5 (64)
NNW	0.1 (2)	0.3 (6)	0.3 (5)	0.7 (12)	0.2 (4)	0.1 (1)	1.6 (30)
TOTAL	6.0 (109)	14.2 (259)	23.3 (426)	26.6 (486)	14.5 (265)	15.5 (284)	100.0 (1829)

FOR ALL WIND CATEGORIES

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 2184

NUMBER OF MISSING WIND OBSERVATIONS: 355

NUMBER OF CALM HOURS: 1

***** 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 LO-CUP (9)

DATA FOR JAN 1 1982 THROUGH MAR 31 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	0.1 (2)	0.8 (15)	0.1 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.9 (18)
NNE	0.0 (0)	0.5 (10)	0.2 (4)	0.0 (0)	0.0 (0)	0.0 (0)	0.7 (14)
NE	0.1 (1)	0.4 (8)	0.1 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.5 (10)
ENE	0.2 (4)	0.1 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.3 (5)
E	0.0 (0)	0.1 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.1 (1)
ESE	0.1 (1)	0.1 (2)	0.2 (3)	0.0 (0)	0.0 (0)	0.0 (0)	0.3 (6)
SE	0.0 (0)	0.2 (3)	0.4 (7)	0.0 (0)	0.0 (0)	0.0 (0)	0.5 (10)
SSE	0.0 (0)	0.0 (0)	0.3 (5)	0.1 (1)	0.0 (0)	0.0 (0)	0.3 (6)
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)	0.0 (0)	0.1 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.1 (1)
SW	0.0 (0)	0.1 (1)	0.1 (1)	0.1 (1)	0.0 (0)	0.0 (0)	0.2 (3)
WSW	0.1 (1)	0.2 (4)	0.2 (3)	0.1 (2)	0.0 (0)	0.3 (6)	0.8 (16)
W	0.0 (0)	0.2 (3)	0.0 (0)	0.1 (2)	0.2 (4)	0.5 (10)	1.0 (19)
WNW	0.0 (0)	0.0 (0)	0.1 (2)	0.4 (7)	0.8 (15)	0.4 (7)	1.6 (31)
NW	0.0 (0)	0.1 (2)	0.2 (3)	0.2 (4)	0.7 (13)	0.2 (3)	1.3 (25)
NNW	0.1 (1)	0.3 (5)	0.1 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.4 (7)
TOTAL	0.5 (10)	2.8 (55)	1.7 (34)	0.9 (18)	1.6 (32)	1.3 (26)	9.0 (175)

FOR STABILITY CLASS - A

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 179

NUMBER OF MISSING WIND OBSERVATIONS: 4

NUMBER OF CALM HOURS: 0

NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE LO-CUP (9)

DATA FOR JAN 1 1982 THROUGH MAR 31 1982

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)	0.2 (3)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.2 (3)
NNE	0.1 (1)	0.2 (4)	0.1 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.3 (6)
NE	0.0 (0)	0.2 (3)	0.1 (1)	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	0.1 (1)	0.0 (0)	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)	0.2 (3)	0.2 (3)	0.0 (0)	0.0 (0)	0.0 (0)	0.3 (6)
SSE	0.0 (0)	0.0 (0)	0.1 (2)	0.0 (0)	0.0 (0)	0.0 (0)	0.1 (2)
S	0.1 (1)	0.0 (0)	0.1 (2)	0.0 (0)	0.0 (0)	0.0 (0)	0.2 (3)
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)	0.0 (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)	0.1 (1)	0.1 (1)	0.5 (10)	0.6 (12)
W	0.1 (1)	0.1 (1)	0.1 (1)	0.2 (4)	0.4 (7)	0.4 (7)	1.1 (21)
WNW	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.3 (6)	0.2 (3)	0.5 (9)
NW	0.1 (1)	0.1 (2)	0.1 (2)	0.3 (6)	0.2 (4)	0.1 (1)	0.8 (16)
NNW	0.0 (0)	0.1 (2)	0.1 (1)	0.1 (1)	0.0 (0)	0.0 (0)	0.2 (4)
TOTAL	0.3 (15)	1.1 (21)	0.8 (15)	0.6 (12)	0.9 (18)	1.1 (21)	4.7 (92)

FOR STABILITY CLASS - B

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 95

NUMBER OF MISSING WIND OBSERVATIONS: 3

NUMBER OF CALM HOURS: 0

NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE LO-CUP (9)

DATA FOR JAN 1 1982 THROUGH MAR 31 1982

JG120*

STABILITY CLASS - C

% 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	0.1 (1)	0.2 (3)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.2 (4)
NE	0.1 (1)	0.1 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.1 (2)
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)	0.2 (3)	0.0 (0)	0.0 (0)	0.0 (0)	0.2 (4)
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)	0.2 (3)	0.1 (2)	0.0 (0)	0.0 (0)	0.0 (0)	0.3 (5)
SSE	0.0 (0)	0.0 (0)	0.1 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.1 (1)
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)	0.0 (0)	0.1 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.1 (1)
WSW	0.1 (1)	0.0 (0)	0.0 (0)	0.1 (2)	0.2 (3)	0.2 (4)	0.5 (10)
W	0.1 (1)	0.1 (1)	0.1 (1)	0.1 (1)	0.5 (9)	0.3 (6)	1.0 (19)
WNW	0.1 (1)	0.1 (1)	0.1 (2)	0.2 (4)	0.4 (8)	0.3 (6)	1.1 (22)
NW	0.0 (0)	0.1 (1)	0.3 (5)	0.7 (14)	0.2 (4)	0.1 (1)	1.3 (25)
NNW	0.0 (0)	0.1 (1)	0.3 (5)	0.1 (1)	0.0 (0)	0.0 (0)	0.4 (7)
TOTAL	0.3 (6)	0.7 (14)	1.2 (24)	1.1 (22)	1.2 (24)	0.9 (17)	5.5 (107)

FOR STABILITY CLASS - C

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 108

NUMBER OF MISSING WIND OBSERVATIONS: 1

NUMBER OF CALM HOURS: 0

NIAGARA MOHAWK

OSWEGO AMBIENT AIR MONITORING

SITE: NINE MILE LO-CUP (9)

DATA FOR JAN 1 1982 THROUGH MAR 31 1982

-----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	0.2 (4)	1.0 (20)	1.0 (20)	0.1 (1)	0.0 (0)	0.0 (0)	2.3 (45)
NNE	0.2 (4)	0.8 (16)	1.0 (20)	0.0 (0)	0.0 (0)	0.0 (0)	2.0 (40)
NE	0.6 (12)	1.5 (29)	1.7 (33)	0.1 (1)	0.0 (0)	0.0 (0)	3.8 (75)
ENE	0.5 (9)	0.4 (7)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.8 (16)
E	0.6 (11)	0.9 (17)	0.3 (5)	0.0 (0)	0.0 (0)	0.0 (0)	1.7 (33)
ESE	0.3 (6)	1.1 (21)	1.8 (36)	0.1 (2)	0.0 (0)	0.0 (0)	3.3 (65)
SE	0.5 (9)	1.3 (26)	1.9 (37)	0.4 (8)	0.0 (0)	0.0 (0)	4.1 (80)
SSE	0.1 (1)	0.4 (8)	0.7 (14)	0.1 (1)	0.0 (0)	0.0 (0)	1.2 (24)
S	0.1 (1)	0.9 (18)	1.2 (23)	0.2 (4)	0.0 (0)	0.0 (0)	2.4 (46)
SSW	0.0 (0)	0.4 (7)	0.7 (14)	0.6 (11)	0.0 (0)	0.0 (0)	1.6 (32)
SW	0.2 (4)	0.3 (5)	0.5 (10)	0.9 (18)	0.6 (11)	0.7 (14)	3.2 (62)
WSW	0.1 (1)	0.5 (10)	0.6 (12)	1.0 (20)	1.5 (29)	1.4 (27)	5.1 (99)
W	0.1 (1)	0.4 (8)	1.3 (26)	1.1 (22)	1.3 (26)	2.0 (39)	6.2 (122)
WNW	0.1 (1)	0.3 (5)	0.9 (17)	2.5 (49)	1.2 (24)	0.9 (18)	5.8 (114)
NW	0.0 (0)	0.7 (13)	1.5 (30)	1.4 (27)	0.2 (4)	0.1 (1)	3.8 (75)
NNW	0.2 (4)	0.7 (13)	0.9 (17)	0.1 (2)	0.0 (0)	0.0 (0)	1.8 (36)
TOTAL	3.5 (68)	11.4 (223)	16.1 (314)	8.5 (166)	4.8 (94)	5.1 (99)	49.4 (964)

FOR STABILITY CLASS - D

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 995

NUMBER OF MISSING WIND OBSERVATIONS: 31

NUMBER OF CALM HOURS: 2

NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE LO-CUP (9)

DATA FOR JAN 1 1982 THROUGH MAR 31 1982

JG120*

STABILITY CLASS - E

% 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)	0.3 (5)	0.0 (0)	0.1 (1)	0.0 (0)	0.0 (0)	0.6 (11)
NNE	0.1 (2)	0.2 (4)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.3 (6)
NE	0.2 (4)	0.3 (6)	0.1 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.6 (11)
ENE	0.5 (9)	0.3 (5)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.7 (14)
E	1.0 (19)	0.9 (17)	0.2 (4)	0.0 (0)	0.0 (0)	0.0 (0)	2.0 (40)
ESE	0.4 (8)	2.1 (41)	1.3 (25)	0.2 (4)	0.0 (0)	0.0 (0)	4.0 (78)
SE	0.4 (8)	2.2 (43)	2.7 (52)	0.8 (15)	0.0 (0)	0.0 (0)	6.0 (118)
SSE	0.4 (8)	1.4 (28)	0.7 (14)	0.2 (3)	0.0 (0)	0.0 (0)	2.7 (53)
S	0.4 (7)	2.1 (41)	0.7 (13)	0.0 (0)	0.0 (0)	0.0 (0)	3.1 (61)
SSW	0.2 (3)	0.3 (6)	0.3 (5)	0.1 (2)	0.0 (0)	0.0 (0)	0.8 (16)
SW	0.1 (2)	0.3 (5)	0.2 (4)	0.4 (8)	0.0 (0)	0.0 (0)	1.0 (19)
WSW	0.1 (2)	0.5 (9)	0.3 (5)	0.5 (10)	0.3 (6)	0.3 (5)	1.9 (37)
W	0.0 (0)	0.2 (3)	0.2 (3)	0.6 (11)	0.5 (10)	0.2 (4)	1.6 (31)
WNW	0.2 (3)	0.0 (0)	0.2 (3)	0.1 (1)	0.3 (5)	0.1 (1)	0.7 (13)
NW	0.0 (0)	0.1 (2)	0.1 (2)	0.0 (0)	0.0 (0)	0.0 (0)	0.2 (4)
NNW	0.0 (0)	0.1 (2)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.1 (2)
TOTAL	4.1 (80)	11.1 (217)	6.7 (131)	2.8 (55)	1.1 (21)	0.5 (10)	26.3 (514)

FOR STABILITY CLASS - E

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 529

NUMBER OF MISSING WIND OBSERVATIONS: 15

NUMBER OF CALM HOURS: 3

NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE LO-CUP (9)

DATA FOR JAN 1 1982 THROUGH MAR 31 1982

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 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)
NE	0.0 (0)	0.1 (2)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.1 (2)
ENE	0.1 (1)	0.1 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.1 (2)
E	0.2 (3)	0.2 (3)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.3 (6)
ESE	0.1 (2)	0.5 (10)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.6 (12)
SE	0.2 (3)	0.6 (12)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.8 (15)
SSE	0.3 (5)	0.4 (8)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.7 (13)
S	0.2 (3)	0.7 (13)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.8 (16)
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 (1)	0.0 (0)	0.0 (0)	0.1 (1)
WSW	0.1 (1)	0.0 (0)	0.2 (3)	0.0 (0)	0.0 (0)	0.0 (0)	0.2 (4)
W	0.0 (0)	0.1 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.1 (1)
WNW	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	0.9 (18)	2.6 (50)	0.2 (3)	0.1 (1)	0.0 (0)	0.0 (0)	3.7 (72)

FOR STABILITY CLASS - F

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 72

NUMBER OF MISSING WIND OBSERVATIONS: 0

NUMBER OF CALM HOURS: 0

NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE LO-CUP (9)

DATA FOR JAN 1 1982 THROUGH MAR 31 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)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)
NNE	0.1 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.1 (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	0.1 (2)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.1 (2)
ESE	0.1 (1)	0.2 (3)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.2 (4)
SE	0.0 (0)	0.6 (11)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.6 (11)
SSE	0.2 (3)	0.3 (6)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.5 (9)
S	0.1 (1)	0.0 (0)	0.0 (0)	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)	0.0 (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	0.1 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.1 (1)
WW	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	0.5 (9)	1.0 (20)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	1.5 (29)

FOR STABILITY CLASS - G

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 29

NUMBER OF MISSING WIND OBSERVATIONS: 0

NUMBER OF CALM HOURS: 0

NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE LO-CUP (9)

DATA FOR JAN 1 1982 THROUGH MAR 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	0.6 (11)	2.2 (43)	1.1 (21)	0.1 (2)	0.0 (0)	0.0 (0)	3.9 (77)
NNE	0.5 (9)	1.9 (37)	1.3 (25)	0.0 (0)	0.0 (0)	0.0 (0)	3.6 (71)
NE	0.9 (18)	2.5 (49)	1.8 (36)	0.1 (1)	0.0 (0)	0.0 (0)	5.3 (104)
ENE	1.2 (24)	0.8 (15)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	2.0 (39)
E	1.8 (36)	2.0 (39)	0.7 (13)	0.0 (0)	0.0 (0)	0.0 (0)	4.5 (88)
ESE	0.9 (18)	4.0 (79)	3.3 (65)	0.3 (6)	0.0 (0)	0.0 (0)	8.6 (168)
SE	1.0 (20)	5.2 (101)	5.2 (101)	1.2 (23)	0.0 (0)	0.0 (0)	12.5 (245)
SSE	0.9 (17)	2.6 (50)	1.8 (36)	0.3 (5)	0.0 (0)	0.0 (0)	5.5 (108)
S	0.7 (13)	3.7 (73)	2.2 (42)	0.3 (5)	0.0 (0)	0.0 (0)	6.8 (133)
SSW	0.2 (3)	0.7 (14)	1.1 (21)	0.7 (13)	0.0 (0)	0.0 (0)	2.6 (51)
SW	0.3 (6)	0.6 (11)	0.9 (17)	1.4 (28)	0.6 (11)	0.7 (14)	4.5 (87)
WSW	0.3 (6)	1.2 (23)	1.2 (23)	1.8 (35)	2.0 (39)	2.7 (52)	9.1 (178)
W	0.2 (3)	0.9 (17)	1.6 (31)	2.0 (40)	2.9 (56)	3.4 (66)	10.9 (213)
WNW	0.3 (6)	0.3 (6)	1.2 (24)	3.1 (61)	3.0 (58)	1.8 (35)	9.7 (190)
NW	0.1 (1)	1.0 (20)	2.2 (42)	2.6 (51)	1.3 (25)	0.3 (6)	7.4 (145)
NNW	0.3 (5)	1.2 (23)	1.2 (24)	0.2 (4)	0.0 (0)	0.0 (0)	2.9 (56)
TOTAL	10.0 (196)	30.7 (600)	26.7 (521)	14.0 (274)	9.7 (189)	8.9 (173)	100.0 (1953)

FOR STABILITY CLASS - ALL

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 2007

NUMBER OF MISSING WIND OBSERVATIONS: 54

NUMBER OF CALM HOURS: 5

NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE LO-CUP (9)

DATA FOR JAN 1 1982 THROUGH MAR 31 1982

----- JG120

% 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	0.6 (11)	2.2 (43)	1.1 (21)	0.1 (2)	0.0 (0)	0.0 (0)	3.9 (77)
NNE	0.5 (9)	1.9 (37)	1.3 (25)	0.0 (0)	0.0 (0)	0.0 (0)	3.6 (71)
NE	0.9 (18)	2.5 (49)	1.8 (36)	0.1 (1)	0.0 (0)	0.0 (0)	5.3 (104)
ENE	1.2 (24)	0.8 (15)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	2.0 (39)
E	1.8 (36)	2.0 (39)	0.7 (13)	0.0 (0)	0.0 (0)	0.0 (0)	4.5 (88)
ESE	0.9 (18)	4.0 (79)	3.3 (65)	0.3 (6)	0.0 (0)	0.0 (0)	8.6 (168)
SE	1.0 (20)	5.2 (101)	5.2 (101)	1.2 (23)	0.0 (0)	0.0 (0)	12.5 (245)
SSE	0.9 (17)	2.6 (50)	1.8 (36)	0.3 (5)	0.0 (0)	0.0 (0)	5.5 (108)
S	0.7 (13)	3.7 (73)	2.2 (42)	0.3 (5)	0.0 (0)	0.0 (0)	6.8 (133)
SSW	0.2 (3)	0.7 (14)	1.1 (21)	0.7 (13)	0.0 (0)	0.0 (0)	2.6 (51)
SW	0.3 (6)	0.6 (11)	0.9 (17)	1.4 (28)	0.6 (11)	0.7 (14)	4.5 (87)
WSW	0.3 (6)	1.2 (23)	1.2 (23)	1.8 (35)	2.0 (39)	2.7 (52)	9.1 (178)
W	0.2 (3)	0.9 (17)	1.6 (31)	2.0 (40)	2.9 (56)	3.4 (66)	10.9 (213)
WNW	0.3 (6)	0.3 (6)	1.2 (24)	3.1 (61)	3.0 (58)	1.8 (35)	9.7 (190)
NW	0.1 (1)	1.0 (20)	2.2 (42)	2.6 (51)	1.3 (25)	0.3 (6)	7.4 (145)
NNW	0.3 (5)	1.2 (23)	1.2 (24)	0.2 (4)	0.0 (0)	0.0 (0)	2.9 (56)
TOTAL	10.0 (196)	30.7 (600)	26.7 (521)	14.0 (274)	9.7 (189)	8.9 (173)	100.0 (1953)

FOR ALL WIND CATEGORIES

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 2160

NUMBER OF MISSING WIND OBSERVATIONS: 207

NUMBER OF CALM HOURS: 5

NIAGARA MOHAWK

OSWEGO AMBIENT AIR MONITORING

SITE: NINE MILE LO-CUP (9)

DATA FOR APR 1 1982 THROUGH JUNE 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	0.0 (0)	0.1 (2)	0.1 (2)	0.2 (3)	0.0 (0)	0.0 (0)	0.4 (7)
NNE	0.1 (1)	0.1 (1)	0.1 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.2 (3)
NE	0.0 (0)	0.0 (0)	0.1 (1)	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	0.1 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.1 (1)
SE	0.0 (0)	0.5 (8)	0.1 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.6 (9)
SSE	0.0 (0)	0.3 (4)	0.6 (9)	0.1 (1)	0.0 (0)	0.0 (0)	0.9 (14)
S	0.0 (0)	0.3 (4)	0.8 (12)	0.1 (1)	0.0 (0)	0.0 (0)	1.1 (17)
SSW	0.0 (0)	0.1 (1)	0.1 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.1 (2)
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)	0.3 (4)	0.2 (3)	0.0 (0)	0.2 (3)	0.7 (11)
W	0.0 (0)	0.1 (2)	0.3 (4)	0.0 (0)	0.0 (0)	0.2 (3)	0.6 (9)
WNW	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.3 (5)	0.3 (5)
NW	0.0 (0)	0.1 (2)	0.0 (0)	0.0 (0)	0.1 (1)	0.2 (3)	0.4 (6)
NNW	0.1 (1)	0.2 (3)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.3 (4)
TOTAL	0.2 (3)	1.8 (28)	2.2 (35)	0.5 (8)	0.1 (1)	0.9 (14)	5.6 (89)

FOR STABILITY CLASS - A

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 106

NUMBER OF MISSING WIND OBSERVATIONS: 17

NUMBER OF CALM HOURS: 0

NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE LO-CUP (9)

DATA FOR APR 1 1982 THROUGH JUNE 30 1982

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)	0.0 (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	0.1 (2)	0.0 (0)	0.1 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.2 (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)	0.1 (1)	0.0 (0)	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)	0.2 (3)	0.3 (4)	0.0 (0)	0.0 (0)	0.0 (0)	0.4 (7)
S	0.0 (0)	0.2 (3)	0.1 (2)	0.1 (2)	0.0 (0)	0.0 (0)	0.4 (7)
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 (1)	0.1 (1)	0.1 (1)	0.0 (0)	0.2 (3)
WSW	0.0 (0)	0.0 (0)	0.2 (3)	0.1 (1)	0.0 (0)	0.1 (2)	0.4 (6)
W	0.0 (0)	0.0 (0)	0.3 (4)	0.1 (2)	0.0 (0)	0.3 (4)	0.6 (10)
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)	0.1 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.1 (1)
TOTAL	0.1 (2)	0.6 (10)	1.1 (17)	0.4 (6)	0.1 (1)	0.4 (6)	2.6 (42)

FOR STABILITY CLASS - B

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 61

NUMBER OF MISSING WIND OBSERVATIONS: 19

NUMBER OF CALM HOURS: 0

NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE LO-CUP (9)

DATA FOR APR 1 1982 THROUGH JUNE 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)	0.0 (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	0.2 (3)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.2 (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 (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)	0.1 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.1 (1)
SSE	0.0 (0)	0.1 (2)	0.1 (2)	0.0 (0)	0.0 (0)	0.0 (0)	0.3 (4)
S	0.0 (0)	0.1 (2)	0.1 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.2 (3)
SSW	0.0 (0)	0.1 (2)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.1 (2)
SW	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.1 (1)	0.1 (1)
WSW	0.0 (0)	0.1 (1)	0.1 (2)	0.3 (4)	0.1 (1)	0.4 (6)	0.9 (14)
W	0.0 (0)	0.0 (0)	0.1 (2)	0.2 (3)	0.0 (0)	0.2 (3)	0.5 (8)
WNW	0.0 (0)	0.1 (2)	0.0 (0)	0.1 (1)	0.1 (1)	0.0 (0)	0.3 (4)
W	0.0 (0)	0.0 (0)	0.2 (3)	0.0 (0)	0.1 (2)	0.0 (0)	0.3 (5)
NNW	0.0 (0)	0.1 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.1 (1)
TOTAL	0.2 (3)	0.6 (10)	0.7 (11)	0.5 (8)	0.3 (4)	0.6 (10)	2.9 (46)

FOR STABILITY CLASS - C

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 62

NUMBER OF MISSING WIND OBSERVATIONS: 16

NUMBER OF CALM HOURS: 0

NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE LO-CUP (9)

DATA FOR APR 1 1982 THROUGH JUNE 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	0.1 (1)	0.2 (3)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.3 (4)
NNE	0.0 (0)	0.3 (4)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.3 (4)
NE	0.1 (2)	0.1 (1)	0.2 (3)	0.0 (0)	0.0 (0)	0.0 (0)	0.4 (6)
ENE	0.2 (3)	0.2 (3)	0.1 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.4 (7)
E	0.3 (4)	0.1 (2)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.4 (6)
ESE	0.1 (2)	0.1 (2)	0.1 (1)	0.1 (1)	0.0 (0)	0.0 (0)	0.4 (6)
SE	0.1 (1)	1.0 (16)	0.5 (8)	0.2 (3)	0.0 (0)	0.0 (0)	1.8 (28)
SSE	0.0 (0)	1.2 (19)	0.9 (15)	0.6 (10)	0.0 (0)	0.0 (0)	2.8 (44)
S	0.0 (0)	0.5 (8)	0.4 (7)	0.2 (3)	0.0 (0)	0.0 (0)	1.1 (18)
SSW	0.0 (0)	0.3 (5)	0.6 (10)	0.3 (4)	0.0 (0)	0.0 (0)	1.2 (19)
SW	0.1 (1)	0.1 (2)	0.3 (4)	1.4 (23)	0.2 (3)	0.1 (1)	2.1 (34)
WSW	0.1 (1)	0.1 (2)	1.0 (16)	1.8 (29)	0.6 (10)	0.6 (9)	4.2 (67)
W	0.1 (1)	0.7 (11)	2.9 (46)	2.3 (36)	0.9 (15)	0.6 (9)	7.4 (118)
WNW	0.0 (0)	0.1 (1)	0.1 (2)	0.1 (1)	0.1 (2)	0.6 (10)	1.0 (16)
NW	0.3 (5)	0.0 (0)	0.0 (0)	0.3 (5)	0.2 (3)	0.0 (0)	0.8 (13)
NNW	0.1 (2)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.1 (2)
TOTAL	1.4 (23)	5.0 (79)	7.1 (113)	7.2 (115)	2.1 (33)	1.8 (29)	24.6 (392)

FOR STABILITY CLASS - D

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 477

NUMBER OF MISSING WIND OBSERVATIONS: 85

NUMBER OF CALM HOURS: 0

NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE LO-CUP (9)

DATA FOR APR 1 1982 THROUGH JUNE 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	0.3 (4)	0.5 (8)	0.1 (2)	0.0 (0)	0.0 (0)	0.0 (0)	0.9 (14)
NNE	0.3 (5)	0.1 (2)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.4 (7)
NE	0.4 (6)	0.4 (7)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.8 (13)
ENE	0.4 (7)	0.2 (3)	0.1 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.7 (11)
E	0.6 (10)	0.3 (4)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.9 (14)
ESE	0.8 (12)	0.8 (13)	0.6 (9)	0.3 (4)	0.0 (0)	0.0 (0)	2.4 (38)
SE	0.5 (8)	1.8 (28)	0.6 (10)	0.4 (6)	0.1 (1)	0.0 (0)	3.3 (53)
SSE	0.3 (5)	1.6 (26)	0.4 (7)	0.0 (0)	0.0 (0)	0.0 (0)	2.4 (38)
S	0.2 (3)	1.4 (22)	0.9 (14)	0.1 (1)	0.0 (0)	0.0 (0)	2.5 (40)
SSW	0.4 (7)	0.6 (9)	0.8 (12)	0.0 (0)	0.0 (0)	0.0 (0)	1.8 (28)
SW	0.4 (7)	0.9 (14)	1.3 (21)	0.9 (14)	0.8 (12)	0.0 (0)	4.3 (68)
WSW	0.1 (2)	1.1 (17)	0.8 (12)	0.8 (13)	0.4 (6)	0.2 (3)	3.3 (53)
W	0.4 (7)	2.8 (44)	2.1 (34)	1.3 (21)	0.3 (4)	0.0 (0)	6.9 (110)
WNW	0.4 (6)	0.4 (7)	0.5 (8)	0.1 (1)	0.1 (1)	0.0 (0)	1.4 (23)
NW	1.1 (17)	0.4 (6)	0.1 (2)	0.0 (0)	0.0 (0)	0.0 (0)	1.6 (25)
NNW	0.6 (10)	0.3 (5)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.9 (15)
TOTAL	7.3 (116)	13.5 (215)	8.3 (132)	3.8 (60)	1.5 (24)	0.2 (3)	34.5 (550)

FOR STABILITY CLASS - E

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 623

NUMBER OF MISSING WIND OBSERVATIONS: 73

NUMBER OF CALM HOURS: 0

1

2

3

4

5

6

7

8

9

10

11

12

13

14

NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE LO-CUP (9)

DATA FOR APR 1 1982 THROUGH JUNE 30 1982

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	0.3 (5)	0.1 (2)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.4 (7)
NNE	0.4 (7)	0.4 (6)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.8 (13)
NE	0.6 (9)	0.3 (5)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.9 (14)
ENE	0.7 (11)	0.1 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.8 (12)
E	0.8 (12)	0.1 (2)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.9 (14)
ESE	0.8 (13)	0.1 (2)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.9 (15)
SE	0.4 (7)	0.5 (8)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.9 (15)
SSE	0.3 (5)	0.6 (10)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.9 (15)
S	0.4 (7)	0.5 (8)	0.2 (3)	0.0 (0)	0.0 (0)	0.0 (0)	1.1 (18)
SSW	0.3 (4)	0.4 (6)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.6 (10)
SW	0.4 (7)	0.5 (8)	0.2 (3)	0.1 (2)	0.1 (1)	0.0 (0)	1.3 (21)
WSW	0.3 (4)	0.1 (1)	0.3 (5)	0.4 (6)	0.0 (0)	0.0 (0)	1.0 (16)
W	0.6 (9)	1.2 (19)	0.7 (11)	0.1 (2)	0.0 (0)	0.0 (0)	2.6 (41)
WNW	0.4 (7)	0.5 (8)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.9 (15)
NW	1.1 (17)	0.2 (3)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	1.3 (20)
NNW	0.5 (8)	0.3 (4)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.8 (12)
TOTAL	8.3 (132)	5.8 (93)	1.4 (22)	0.6 (10)	0.1 (1)	0.0 (0)	16.2 (258)

FOR STABILITY CLASS - F

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 281

NUMBER OF MISSING WIND OBSERVATIONS: 23

NUMBER OF CALM HOURS: 1

NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE LO-CUP (9)

DATA FOR APR 1 1982 THROUGH JUNE 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	0.7 (11)	0.1 (2)	0.1 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.9 (14)
NNE	0.2 (3)	0.1 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.3 (4)
NE	0.4 (7)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.4 (7)
ENE	0.4 (7)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.4 (7)
E	0.9 (14)	0.2 (3)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	1.1 (17)
ESE	1.1 (17)	0.1 (2)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	1.2 (19)
SE	1.3 (20)	0.3 (5)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	1.6 (25)
SSE	0.4 (6)	0.6 (9)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.9 (15)
S	0.8 (13)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.8 (13)
SSW	0.3 (4)	0.6 (9)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.8 (13)
SW	0.3 (5)	0.1 (1)	0.0 (0)	0.1 (1)	0.0 (0)	0.0 (0)	0.4 (7)
WSW	0.1 (2)	0.0 (0)	0.1 (1)	0.1 (1)	0.0 (0)	0.0 (0)	0.3 (4)
W	0.3 (4)	0.5 (8)	0.1 (2)	0.0 (0)	0.0 (0)	0.0 (0)	0.9 (14)
WNW	0.3 (4)	0.4 (7)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.7 (11)
NW	0.6 (10)	0.1 (1)	0.1 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.8 (12)
NNW	1.0 (16)	1.1 (17)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	2.1 (33)
TOTAL	9.0 (143)	4.1 (65)	0.3 (5)	0.1 (2)	0.0 (0)	0.0 (0)	13.5 (215)

FOR STABILITY CLASS - G

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 241

NUMBER OF MISSING WIND OBSERVATIONS: 26

NUMBER OF CALM HOURS: 1

NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE LO-CUP (9)

DATA FOR APR 1 1982 THROUGH JUNE 30 1982

JG120*

STABILITY CLASS - ALL

% 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	1.3 (21)	1.1 (17)	0.3 (5)	0.2 (3)	0.0 (0)	0.0 (0)	2.9 (46)
NNE	1.0 (16)	0.9 (14)	0.1 (1)	0.0 (0)	0.0 (0)	0.0 (0)	1.9 (31)
NE	1.8 (29)	0.8 (13)	0.3 (5)	0.0 (0)	0.0 (0)	0.0 (0)	3.0 (47)
ENE	1.8 (28)	0.4 (7)	0.1 (2)	0.0 (0)	0.0 (0)	0.0 (0)	2.3 (37)
E	2.5 (40)	0.8 (12)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	3.3 (52)
ESE	2.8 (45)	1.3 (20)	0.6 (10)	0.3 (5)	0.0 (0)	0.0 (0)	5.0 (80)
SE	2.3 (36)	4.2 (67)	1.3 (20)	0.6 (9)	0.1 (1)	0.0 (0)	8.4 (133)
SSE	1.0 (16)	4.6 (73)	2.3 (37)	0.7 (11)	0.0 (0)	0.0 (0)	8.6 (137)
S	1.4 (23)	3.0 (47)	2.4 (39)	0.4 (7)	0.0 (0)	0.0 (0)	7.3 (116)
SSW	0.9 (15)	2.0 (32)	1.5 (24)	0.3 (4)	0.0 (0)	0.0 (0)	4.7 (75)
SW	1.3 (20)	1.6 (25)	1.8 (29)	2.6 (41)	1.1 (17)	0.1 (2)	8.4 (134)
WSW	0.6 (9)	1.4 (22)	2.7 (43)	3.6 (57)	1.1 (17)	1.4 (23)	10.7 (171)
W	1.3 (21)	5.3 (84)	6.5 (103)	4.0 (64)	1.2 (19)	1.2 (19)	19.5 (310)
WNW	1.1 (17)	1.6 (25)	0.6 (10)	0.2 (3)	0.3 (4)	0.9 (15)	4.6 (74)
NW	3.1 (49)	0.8 (12)	0.4 (6)	0.3 (5)	0.4 (6)	0.2 (3)	5.1 (81)
NNW	2.3 (37)	1.9 (30)	0.1 (1)	0.0 (0)	0.0 (0)	0.0 (0)	4.3 (68)
TOTAL	26.5 (422)	31.4 (500)	21.0 (335)	13.1 (209)	4.0 (64)	3.9 (62)	100.0 (1592)

FOR STABILITY CLASS - ALL

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 1851

NUMBER OF MISSING WIND OBSERVATIONS: 259

NUMBER OF CALM HOURS: 2

NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE LO-CUP (9)

DATA FOR APR 1 1982 THROUGH JUNE 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	1.3 (21)	1.1 (17)	0.3 (5)	0.2 (3)	0.0 (0)	0.0 (0)	2.9 (46)
NNE	1.0 (16)	0.9 (14)	0.1 (1)	0.0 (0)	0.0 (0)	0.0 (0)	1.9 (31)
NE	1.8 (29)	0.8 (13)	0.3 (5)	0.0 (0)	0.0 (0)	0.0 (0)	3.0 (47)
ENE	1.8 (28)	0.4 (7)	0.1 (2)	0.0 (0)	0.0 (0)	0.0 (0)	2.3 (37)
E	2.5 (40)	0.8 (12)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	3.3 (52)
ESE	2.8 (45)	1.3 (20)	0.6 (10)	0.3 (5)	0.0 (0)	0.0 (0)	5.0 (80)
SE	2.3 (36)	4.2 (67)	1.3 (20)	0.6 (9)	0.1 (1)	0.0 (0)	8.4 (133)
SSE	1.0 (16)	4.6 (73)	2.3 (37)	0.7 (11)	0.0 (0)	0.0 (0)	8.6 (137)
S	1.4 (23)	3.0 (47)	2.4 (39)	0.4 (7)	0.0 (0)	0.0 (0)	7.3 (116)
SSW	0.9 (15)	2.0 (32)	1.5 (24)	0.3 (4)	0.0 (0)	0.0 (0)	4.7 (75)
SW	1.3 (20)	1.6 (25)	1.8 (29)	2.6 (41)	1.1 (17)	0.1 (2)	8.4 (134)
WSW	0.6 (9)	1.4 (22)	2.7 (43)	3.6 (57)	1.1 (17)	1.4 (23)	10.7 (171)
W	1.3 (21)	5.3 (84)	6.5 (103)	4.0 (64)	1.2 (19)	1.2 (19)	19.5 (310)
WNW	1.1 (17)	1.6 (25)	0.6 (10)	0.2 (3)	0.3 (4)	0.9 (15)	4.6 (74)
NW	3.1 (49)	0.8 (12)	0.4 (6)	0.3 (5)	0.4 (6)	0.2 (3)	5.1 (81)
NNW	2.3 (37)	1.9 (30)	0.1 (1)	0.0 (0)	0.0 (0)	0.0 (0)	4.3 (68)
TOTAL	26.5 (422)	31.4 (500)	21.0 (335)	13.1 (209)	4.0 (64)	3.9 (62)	100.0 (1592)

FOR ALL WIND CATEGORIES

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 2184

NUMBER OF MISSING WIND OBSERVATIONS: 592

NUMBER OF CALM HOURS: 2

