

## Appendix 2A. Tables

**Table 2-1. 1970 Population Distribution 0-10 Miles**

“HISTORICAL INFORMATION NOT REQUIRED TO BE REVISED”

<i><b>SECTOR</b></i>	<i><b>0-1 MILE</b></i>	<i><b>1-2 MILES</b></i>	<i><b>2-3 MILES</b></i>	<i><b>3-4 MILES</b></i>	<i><b>4-5 MILES</b></i>	<i><b>5-10 MILES</b></i>	<i><b>TOTAL</b></i>
<i>N</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>40</i>	<i>40</i>
<i>NNE</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>38</i>	<i>22</i>	<i>60</i>	<i>120</i>
<i>NE</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>115</i>	<i>235</i>	<i>2,000</i>	<i>2,350</i>
<i>ENE</i>	<i>0</i>	<i>22</i>	<i>38</i>	<i>108</i>	<i>112</i>	<i>681</i>	<i>961</i>
<i>E</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>140</i>	<i>417</i>	<i>670</i>	<i>1,227</i>
<i>ESE</i>	<i>0</i>	<i>0</i>	<i>51</i>	<i>70</i>	<i>131</i>	<i>1,326</i>	<i>1,578</i>
<i>SE</i>	<i>0</i>	<i>0</i>	<i>80</i>	<i>6</i>	<i>70</i>	<i>8,472</i>	<i>8,628</i>
<i>SSE</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>45</i>	<i>7,792</i>	<i>7,837</i>
<i>S</i>	<i>0</i>	<i>19</i>	<i>29</i>	<i>6</i>	<i>140</i>	<i>2,027</i>	<i>2,221</i>
<i>SSW</i>	<i>0</i>	<i>6</i>	<i>0</i>	<i>0</i>	<i>112</i>	<i>7,000</i>	<i>7,118</i>
<i>SW</i>	<i>0</i>	<i>19</i>	<i>0</i>	<i>128</i>	<i>166</i>	<i>538</i>	<i>851</i>
<i>WSW</i>	<i>0</i>	<i>13</i>	<i>80</i>	<i>181</i>	<i>35</i>	<i>1,102</i>	<i>1,411</i>
<i>W</i>	<i>0</i>	<i>0</i>	<i>150</i>	<i>38</i>	<i>102</i>	<i>1,419</i>	<i>1,709</i>
<i>WNW</i>	<i>0</i>	<i>3</i>	<i>22</i>	<i>51</i>	<i>26</i>	<i>1,456</i>	<i>1,558</i>
<i>NW</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>13</i>	<i>32</i>	<i>920</i>	<i>965</i>
<i>NNW</i>	<i>0</i>	<i>3</i>	<i>3</i>	<i>13</i>	<i>16</i>	<i>881</i>	<i>916</i>
<i>TOTAL</i>	<i>0</i>	<i>85</i>	<i>453</i>	<i>907</i>	<i>1,661</i>	<i>36,384</i>	<i>39,490</i>

**Table 2-2. 2010 Projected Population Distribution 0-10 Miles**

“HISTORICAL INFORMATION NOT REQUIRED TO BE REVISED”

<b>SECTOR</b>	<b>0-1 MILE</b>	<b>1-2 MILES</b>	<b>2-3 MILES</b>	<b>3-4 MILES</b>	<b>4-5 MILES</b>	<b>5-10 MILES</b>	<b>TOTAL</b>
<i>N</i>	0	0	35	123	27	615	800
<i>NNE</i>	0	35	215	46	8	446	750
<i>NE</i>	0	15	33	76	89	1,125	1,338
<i>ENE</i>	0	18	38	81	142	1,666	1,945
<i>E</i>	0	22	44	68	308	1,645	2,087
<i>ESE</i>	0	18	34	14	97	3,280	3,443
<i>SE</i>	0	10	27	22	66	3,865	3,990
<i>SSE</i>	0	12	18	26	133	7,722	7,911
<i>S</i>	0	10	12	36	203	2,885	3,146
<i>SSW</i>	0	48	137	12	6	11,285	11,488
<i>SW</i>	0	31	99	37	28	2,207	2,402
<i>WSW</i>	0	12	79	30	79	4,593	4,793
<i>W</i>	0	21	90	84	81	1,867	2,143
<i>WNW</i>	0	26	53	65	58	1,513	1,715
<i>NW</i>	0	311	515	465	78	1,303	2,672
<i>NNW</i>	0	297	374	884	44	751	2,350
<i>TOTAL</i>	0	886	1,803	2,069	1,447	46,768	52,973

**SOURCE:** U.S. Census 1910-1960, Extrapolation (for 2010) by Dr. C. Horace Hamilton, Department of Rural Sociology, North Carolina State University, Raleigh, N.C.

**Table 2-3. 1970 Population Distribution 0-50 Miles**

“HISTORICAL INFORMATION NOT REQUIRED TO BE REVISED”

<i><b>SECTOR</b></i>	<i><b>0-10 MILES</b></i>	<i><b>10-20 MILES</b></i>	<i><b>20-30 MILES</b></i>	<i><b>30-40 MILES</b></i>	<i><b>40-50 MILES</b></i>	<i><b>TOTAL</b></i>
<i>N</i>	<i>40</i>	<i>52</i>	<i>2,479</i>	<i>1,087</i>	<i>20,659</i>	<i>24,317</i>
<i>NNE</i>	<i>120</i>	<i>1,095</i>	<i>3,514</i>	<i>13,879</i>	<i>21,431</i>	<i>40,039</i>
<i>NE</i>	<i>2,350</i>	<i>5,007</i>	<i>4,608</i>	<i>2,702</i>	<i>24,312</i>	<i>38,979</i>
<i>ENE</i>	<i>961</i>	<i>9,323</i>	<i>61,552</i>	<i>43,989</i>	<i>25,285</i>	<i>141,110</i>
<i>E</i>	<i>1,227</i>	<i>18,322</i>	<i>78,884</i>	<i>47,398</i>	<i>17,518</i>	<i>163,349</i>
<i>ESE</i>	<i>1,578</i>	<i>1,425</i>	<i>17,561</i>	<i>5,519</i>	<i>5,704</i>	<i>31,787</i>
<i>SE</i>	<i>8,628</i>	<i>3,390</i>	<i>44,033</i>	<i>12,708</i>	<i>9,835</i>	<i>78,594</i>
<i>SSE</i>	<i>7,837</i>	<i>4,957</i>	<i>16,200</i>	<i>6,836</i>	<i>2,700</i>	<i>38,530</i>
<i>S</i>	<i>2,221</i>	<i>4,500</i>	<i>3,040</i>	<i>10,990</i>	<i>12,033</i>	<i>32,784</i>
<i>SSW</i>	<i>7,118</i>	<i>3,681</i>	<i>4,265</i>	<i>8,811</i>	<i>6,384</i>	<i>30,259</i>
<i>SW</i>	<i>851</i>	<i>3,748</i>	<i>12,904</i>	<i>4,317</i>	<i>5,352</i>	<i>27,172</i>
<i>WSW</i>	<i>1,411</i>	<i>5,606</i>	<i>7,506</i>	<i>8,772</i>	<i>14,639</i>	<i>37,934</i>
<i>W</i>	<i>1,709</i>	<i>1,969</i>	<i>2,884</i>	<i>2,760</i>	<i>2,716</i>	<i>12,038</i>
<i>WNW</i>	<i>1,558</i>	<i>835</i>	<i>1,977</i>	<i>2,563</i>	<i>1,740</i>	<i>8,673</i>
<i>NW</i>	<i>965</i>	<i>588</i>	<i>1,772</i>	<i>9,804</i>	<i>2,771</i>	<i>15,900</i>
<i>NNW</i>	<i>916</i>	<i>340</i>	<i>1,448</i>	<i>6,700</i>	<i>11,833</i>	<i>21,237</i>
<i>TOTAL</i>	<i>39,490</i>	<i>64,838</i>	<i>264,627</i>	<i>188,835</i>	<i>184,912</i>	<i>742,702</i>

**Table 2-4. 2010 Projected Population Distribution 0-50 Miles**

“HISTORICAL INFORMATION NOT REQUIRED TO BE REVISED”

<b>SECTOR</b>	<b>0-10 MILE</b>	<b>10-20 MILES</b>	<b>20-30 MILES</b>	<b>30-40 MILES</b>	<b>40-50 MILES</b>	<b>TOTAL</b>
<i>N</i>	800	570	3,213	1,400	30,600	36,583
<i>NNE</i>	750	1,141	3,970	19,100	29,500	54,461
<i>NE</i>	1,338	3,355	6,018	4,700	26,100	41,511
<i>ENE</i>	1,945	12,325	60,430	53,000	41,400	169,100
<i>E</i>	2,087	19,600	127,913	75,300	23,800	248,700
<i>ESE</i>	3,443	4,285	15,572	9,000	7,400	39,700
<i>SE</i>	3,990	5,700	54,210	13,200	6,900	84,000
<i>SSE</i>	7,911	4,015	19,574	7,600	2,300	41,400
<i>S</i>	3,146	3,140	4,932	6,000	8,400	25,618
<i>SSW</i>	11,488	3,190	4,336	6,100	3,100	28,214
<i>SW</i>	2,402	7,400	9,129	4,500	900	24,331
<i>WSW</i>	4,793	4,105	15,176	10,700	16,900	51,674
<i>W</i>	2,143	1,535	4,264	4,100	3,600	15,642
<i>WNW</i>	1,715	1,085	3,152	2,200	2,300	10,452
<i>NW</i>	2,672	525	2,204	9,400	4,800	19,601
<i>NNW</i>	2,350	695	1,693	4,800	13,700	23,238
<b>TOTAL</b>	52,973	72,666	335,786	231,100	221,700	914,225
<b>SOURCE:</b> <i>U.S. Census 1910-1960, Extrapolation (for 2010) by Dr. C. Horace Hamilton, Department of Rural Sociology, North Carolina State University, Raleigh N.C</i>						

**Table 2-5. 1970 Cumulative Population Density 0-50 Miles**

“HISTORICAL INFORMATION NOT REQUIRED TO BE REVISED”

<i>SECTOR</i>	<i>0-1 MILE</i>	<i>0-2 MILES</i>	<i>0-3 MILES</i>	<i>0-4 MILES</i>	<i>0-5 MILES</i>	<i>0-10 MILES</i>	<i>0-20 MILES</i>	<i>0-30 MILES</i>	<i>0-40 MILES</i>	<i>0-50 MILES</i>
<i>N</i>	0	0	0	0	0	2	1	15	12	49
<i>NNE</i>	0	0	0	12	12	6	15	27	59	81
<i>NE</i>	0	0	0	38	71	120	93	68	47	79
<i>ENE</i>	0	28	34	55	57	47	131	406	368	285
<i>E</i>	0	0	0	46	114	62	248	557	464	330
<i>ESE</i>	0	0	29	40	51	80	38	116	83	64
<i>SE</i>	0	0	45	28	32	439	153	317	219	159
<i>SSE</i>	0	0	0	0	9	399	162	164	114	78
<i>S</i>	0	25	27	18	19	113	85	55	66	66
<i>SSW</i>	0	8	3	2	24	362	137	85	76	61
<i>SW</i>	0	25	5	48	64	43	58	99	69	55
<i>WSW</i>	0	17	53	90	63	72	89	82	74	77
<i>W</i>	0	0	85	62	59	87	47	37	30	24
<i>WNW</i>	0	4	14	25	21	79	30	25	22	18
<i>NW</i>	0	0	0	4	9	49	20	19	42	32
<i>NNW</i>	0	4	3	6	7	47	16	15	30	43
<i>TOTAL</i>	0	7	19	29	40	126	83	130	111	95

**Table 2-6. 2010 Projected Cumulative Population Density 0-50 Miles**

“HISTORICAL INFORMATION NOT REQUIRED TO BE REVISED”

<i>SECTOR</i>	<i>0-1 MILE</i>	<i>0-2 MILES</i>	<i>0-3 MILES</i>	<i>0-4 MILES</i>	<i>0-5 MILES</i>	<i>0-10 MILES</i>	<i>0-20 MILES</i>	<i>0-30 MILES</i>	<i>0-40 MILES</i>	<i>0-50 MILES</i>
<i>N</i>	0	0	20	52	38	41	17	26	19	74
<i>NNE</i>	0	44	141	97	62	38	24	33	79	110
<i>NE</i>	0	19	27	41	43	68	60	61	49	84
<i>ENE</i>	0	23	32	45	57	99	181	423	406	342
<i>E</i>	0	28	37	44	90	101	275	847	715	502
<i>ESE</i>	0	23	29	22	33	175	98	132	103	80
<i>SE</i>	0	13	21	19	26	203	123	362	245	170
<i>SSE</i>	0	15	17	18	39	403	151	178	124	84
<i>S</i>	0	13	12	19	53	160	80	63	55	52
<i>SSW</i>	0	61	105	65	41	585	186	108	80	57
<i>SW</i>	0	39	73	55	40	122	124	107	75	49
<i>WSW</i>	0	15	51	40	41	244	113	136	111	104
<i>W</i>	0	27	63	64	56	109	47	45	38	32
<i>WNW</i>	0	33	45	47	41	87	36	34	26	21
<i>NW</i>	0	395	467	423	279	136	41	31	47	40
<i>NNW</i>	0	377	379	510	326	120	39	27	30	47
<i>TOTAL</i>	0	70	95	95	79	169	100	163	138	116

**Table 2-7. Frequency of Tropical Cyclones in Georgia, South Carolina and North Carolina Plus Coastal Waters**

["HISTORICAL INFORMATION IN ITALICS NOT REQUIRED TO BE REVISED"]

<i>Period (Years)</i>	<i>Total</i>	<i>Average per Year</i>	<i>No. Years with no Tropical Storms</i>	<i>No. Years with Double the Average No.</i>
<i>1871-1875</i>	<i>8</i>	<i>1.6</i>	<i>0</i>	<i>0</i>
<i>1876-1885</i>	<i>18</i>	<i>1.8</i>	<i>1</i>	<i>1</i>
<i>1886-1895</i>	<i>19</i>	<i>1.9</i>	<i>2</i>	<i>1</i>
<i>1896-1905</i>	<i>21</i>	<i>2.1</i>	<i>1</i>	<i>0</i>
<i>1906-1915</i>	<i>16</i>	<i>1.6</i>	<i>0</i>	<i>0</i>
<i>1916-1925</i>	<i>12</i>	<i>1.2</i>	<i>3</i>	<i>2</i>
<i>1926-1935</i>	<i>16</i>	<i>1.6</i>	<i>1</i>	<i>0</i>
<i>1936-1945</i>	<i>12</i>	<i>1.2</i>	<i>1</i>	<i>1</i>
<i>1946-1955</i>	<i>25</i>	<i>2.5</i>	<i>2</i>	<i>0</i>
<i>1956-1965</i>	<i>17</i>	<i>1.7</i>	<i>0</i>	<i>1</i>
<i>Total (95 Years)</i>	<i>164</i>		<i>11</i>	<i>6</i>
<i>Note: (References <a href="#">1</a>, <a href="#">2</a> and <a href="#">3</a>)</i>				



**Table 2-8. Mean Monthly Thunderstorm Days and Thunderstorms for Nuclear Plant Site**  
 ["HISTORICAL INFORMATION IN ITALICS NOT REQUIRED TO BE REVISED"]

<i>Month</i>	<i>Thunderstorm Days</i>	<i>Thunderstorms</i>
<i>Jan</i>	<i>1</i>	<i>1.1</i>
<i>Feb</i>	<i>1.5</i>	<i>1.6</i>
<i>Mar</i>	<i>3.5</i>	<i>3.8</i>
<i>Apr</i>	<i>4</i>	<i>4.6</i>
<i>May</i>	<i>7</i>	<i>8.0</i>
<i>Jun</i>	<i>11</i>	<i>12.6</i>
<i>Jul</i>	<i>13</i>	<i>15.0</i>
<i>Aug</i>	<i>10</i>	<i>11.5</i>
<i>Sept</i>	<i>5</i>	<i>5.8</i>
<i>Oct</i>	<i>1.5</i>	<i>1.6</i>
<i>Nov</i>	<i>1.5</i>	<i>1.6</i>
<i>Dec</i>	<i>1</i>	<i>1.1</i>
<i>Annual</i>	<i>60</i>	<i>68.3</i>
<b>Note:</b>		
1. Reference <a href="#">11</a>		

**Table 2-9. Duration and Frequency (in Hours) of Calm and Near-Calm Winds Average of Three Locations<sup>(1)</sup> (1/59 - 12/63)**

["HISTORICAL INFORMATION IN ITALICS NOT REQUIRED TO BE REVISED"]

<b><i>Duration (Hours)</i></b>	<b><i>Winter</i></b>	<b><i>Spring</i></b>	<b><i>Summer</i></b>	<b><i>Fall</i></b>	<b><i>Annual</i></b>
<i>A. Calm Conditions: Calm at all locations</i>					
<i>01-05</i>	<i>74.2<sup>(2)</sup></i>	<i>70.4</i>	<i>94.7</i>	<i>92.5</i>	<i>331.8</i>
<i>06-11</i>	<i>3.9</i>	<i>3.4</i>	<i>5.9</i>	<i>6.9</i>	<i>20.1</i>
<i>12-17</i>	<i>0.3</i>	<i>0.3</i>	<i>0.8</i>	<i>1.3</i>	<i>2.7</i>
<i>18-23</i>	<i>0.0</i>	<i>0.0</i>	<i>0.1</i>	<i>0.3</i>	<i>0.4</i>
<i>24-29</i>	<i>0.0</i>	<i>0.0</i>	<i>0.0</i>	<i>0.0</i>	<i>0.0</i>
<i>30-35</i>	<i>0.0</i>	<i>0.0</i>	<i>0.0</i>	<i>0.0</i>	<i>0.0</i>
<i>36-41</i>	<i>0.1</i>	<i>0.0</i>	<i>0.0</i>	<i>0.0</i>	<i>0.1</i>
<i>Total</i>					<i>355.1</i>
<i>B. Average Wind Speed: 1 Knot or Less</i>					
<i>01-05</i>	<i>76.2</i>	<i>74.5</i>	<i>98.9</i>	<i>95.6</i>	<i>345.2</i>
<i>06-11</i>	<i>4.0</i>	<i>3.5</i>	<i>6.1</i>	<i>7.1</i>	<i>20.7</i>
<i>12-17</i>	<i>0.3</i>	<i>0.3</i>	<i>0.8</i>	<i>1.3</i>	<i>2.7</i>
<i>18-23</i>	<i>0.0</i>	<i>0.0</i>	<i>0.1</i>	<i>0.3</i>	<i>0.4</i>
<i>24-29</i>	<i>0.0</i>	<i>0.0</i>	<i>0.0</i>	<i>0.0</i>	<i>0.0</i>
<i>30-35</i>	<i>0.0</i>	<i>0.0</i>	<i>0.0</i>	<i>0.0</i>	<i>0.0</i>
<i>36-41</i>	<i>0.1</i>	<i>0.0</i>	<i>0.0</i>	<i>0.0</i>	<i>0.1</i>
<i>Total</i>					<i>369.1</i>
<b><i>Note:</i></b>					
1. The three locations were Charlotte WBAS, Winston-Salem WBAS, North Carolina; and Greenville WBAS and Greenville-Spartanburg WBAS, South Carolina.					
2. Hours per season or hours per year as appropriate.					
3. Reference <a href="#">13</a> .					

**Table 2-10. Annual Surface Wind Rose For Greenville, South Carolina (1/59 - 12/63)<sup>(1)</sup>**

["HISTORICAL INFORMATION IN ITALICS NOT REQUIRED TO BE REVISED"]

<i>Wind Speeds in Knots</i>								
<i>Wind Direction</i>	<i>1-3</i>	<i>4-6</i>	<i>7-10</i>	<i>11-16</i>	<i>17-21</i>	<i>22-27</i>	<i>Total Freq.</i>	<i>Mean Speed</i>
<i>N</i>	<i>1.2<sup>(2)</sup></i>	<i>2.4</i>	<i>2.2</i>	<i>1.1</i>	<i>0.1</i>	<i>.0</i>	<i>7.0</i>	<i>7.1</i>
<i>NNE</i>	<i>0.8</i>	<i>2.7</i>	<i>2.7</i>	<i>1.0</i>	<i>0.1</i>	<i>.0</i>	<i>7.3</i>	<i>7.2</i>
<i>NE</i>	<i>1.2</i>	<i>5.2</i>	<i>6.0</i>	<i>2.1</i>	<i>0.2</i>	<i>.0</i>	<i>14.7</i>	<i>7.5</i>
<i>ENE</i>	<i>0.8</i>	<i>3.6</i>	<i>3.2</i>	<i>1.0</i>	<i>0.1</i>	<i>.0</i>	<i>8.7</i>	<i>7.0</i>
<i>E</i>	<i>1.3</i>	<i>2.5</i>	<i>1.5</i>	<i>0.2</i>	<i>.0</i>	<i>.0</i>	<i>5.5</i>	<i>5.5</i>
<i>ESE</i>	<i>0.8</i>	<i>1.3</i>	<i>0.5</i>	<i>.0</i>	<i>.0</i>	<i>.0</i>	<i>2.6</i>	<i>4.8</i>
<i>SE</i>	<i>0.9</i>	<i>1.4</i>	<i>0.4</i>	<i>.0</i>	<i>.0</i>	<i>.0</i>	<i>2.7</i>	<i>4.6</i>
<i>SSE</i>	<i>0.5</i>	<i>1.0</i>	<i>0.4</i>	<i>.0</i>	<i>.0</i>	<i>.0</i>	<i>1.9</i>	<i>5.1</i>
<i>S</i>	<i>1.0</i>	<i>2.0</i>	<i>1.0</i>	<i>0.1</i>	<i>.0</i>	<i>.0</i>	<i>4.1</i>	<i>5.4</i>
<i>SSW</i>	<i>0.5</i>	<i>1.9</i>	<i>1.5</i>	<i>0.4</i>	<i>.0</i>	<i>.0</i>	<i>4.3</i>	<i>6.6</i>
<i>SW</i>	<i>1.0</i>	<i>3.6</i>	<i>3.5</i>	<i>1.3</i>	<i>0.1</i>	<i>.0</i>	<i>9.5</i>	<i>7.2</i>
<i>WSW</i>	<i>0.7</i>	<i>2.9</i>	<i>3.7</i>	<i>1.8</i>	<i>0.3</i>	<i>0.1</i>	<i>9.5</i>	<i>8.2</i>
<i>W</i>	<i>0.8</i>	<i>2.4</i>	<i>2.0</i>	<i>0.8</i>	<i>0.2</i>	<i>.0</i>	<i>6.2</i>	<i>7.2</i>
<i>WNW</i>	<i>0.6</i>	<i>2.2</i>	<i>1.2</i>	<i>0.4</i>	<i>0.1</i>	<i>.0</i>	<i>4.5</i>	<i>6.6</i>
<i>NW</i>	<i>1.1</i>	<i>2.4</i>	<i>0.7</i>	<i>0.2</i>	<i>.0</i>	<i>.0</i>	<i>4.4</i>	<i>5.3</i>
<i>NNW</i>	<i>0.6</i>	<i>1.5</i>	<i>0.9</i>	<i>0.4</i>	<i>0.1</i>	<i>.0</i>	<i>3.5</i>	<i>6.7</i>
<i>Calm</i>							<i>3.6</i>	
	<i>13.8</i>	<i>39.0</i>	<i>31.4</i>	<i>10.8</i>	<i>1.3</i>	<i>0.1</i>	<i>100.0</i>	<i>6.6</i>

**Note:**

1. Reference [12](#)
2. Percent Frequency

**Table 2-11. Percent Frequency of Wind Speeds at Various Hours Through the Day - Greenville, S. C. (1/59 - 12/63)<sup>1</sup>**

["HISTORICAL INFORMATION IN ITALICS NOT REQUIRED TO BE REVISED"]

<i>Hour</i>	<i>Wind Speed in Knots</i>							
	<i>0</i>	<i>1-3</i>	<i>4-6</i>	<i>7-10</i>	<i>11-16</i>	<i>17-21</i>	<i>22-23</i>	<i>34+</i>
<i>01</i>	<i>4.3</i>	<i>20.1</i>	<i>42.8<sup>(2)</sup></i>	<i>25.2</i>	<i>7.0</i>	<i>.6</i>	<i>0</i>	<i>0</i>
<i>04</i>	<i>4.7</i>	<i>21.0</i>	<i>42.9<sup>(2)</sup></i>	<i>23.8</i>	<i>7.3</i>	<i>.4</i>	<i>0</i>	<i>0</i>
<i>07</i>	<i>4.1</i>	<i>19.0</i>	<i>39.6<sup>(2)</sup></i>	<i>29.4</i>	<i>6.9</i>	<i>.9</i>	<i>.2</i>	<i>0</i>
<i>10</i>	<i>1.5</i>	<i>8.2</i>	<i>34.6</i>	<i>39.0<sup>(2)</sup></i>	<i>15.7</i>	<i>1.4</i>	<i>.1</i>	<i>0</i>
<i>13</i>	<i>0.7</i>	<i>4.9</i>	<i>32.0</i>	<i>41.1<sup>(2)</sup></i>	<i>18.4</i>	<i>2.6</i>	<i>.4</i>	<i>0</i>
<i>16</i>	<i>0.6</i>	<i>6.1</i>	<i>31.6</i>	<i>41.2<sup>(2)</sup></i>	<i>16.8</i>	<i>3.2</i>	<i>.6</i>	<i>0</i>
<i>19</i>	<i>2.9</i>	<i>14.0</i>	<i>46.5<sup>(2)</sup></i>	<i>26.1</i>	<i>9.0</i>	<i>1.3</i>	<i>.1</i>	<i>.1</i>
<i>22</i>	<i>7.5</i>	<i>16.2</i>	<i>43.1<sup>(2)</sup></i>	<i>25.3</i>	<i>6.6</i>	<i>1.1</i>	<i>.1</i>	<i>.0</i>
<i>Average</i>	<i>3.3</i>	<i>13.7</i>	<i>39.1<sup>(2)</sup></i>	<i>31.4</i>	<i>11.0</i>	<i>1.4</i>	<i>.1</i>	<i>.1</i>
<b>Note:</b>								
1. Reference <a href="#">12</a>								
2. Indicates the Speed Class of the 50 Percent Level								

**Table 2-12. Duration and Frequency of Calm and Near-Calm Winds Average of Three Locations<sup>(2)</sup> (1/59 - 12/63)**

["HISTORICAL INFORMATION IN ITALICS NOT REQUIRED TO BE REVISED"]

<b><i>Duration (Hours)</i></b>	<b><i>Winter</i></b>	<b><i>Spring</i></b>	<b><i>Summer</i></b>	<b><i>Fall</i></b>	<b><i>Annual</i></b>
<b><i>A. Calm Conditions: Calm at all Locations</i></b>					
<i>Incidents/Season/Stations</i>					
<i>01-05</i>	<i>74.2</i>	<i>70.4</i>	<i>94.7</i>	<i>92.5</i>	<i>331.8</i>
<i>06-11</i>	<i>3.9</i>	<i>3.4</i>	<i>5.9</i>	<i>6.9</i>	<i>20.1</i>
<i>12-17</i>	<i>0.3</i>	<i>0.3</i>	<i>0.8</i>	<i>1.3</i>	<i>2.7</i>
<i>18-23</i>	<i>0.0</i>	<i>0.0</i>	<i>0.1</i>	<i>0.3</i>	<i>0.4</i>
<i>24-29</i>	<i>0.0</i>	<i>0.0</i>	<i>0.0</i>	<i>0.0</i>	<i>0.0</i>
<i>30-35</i>	<i>0.0</i>	<i>0.0</i>	<i>0.0</i>	<i>0.0</i>	<i>0.0</i>
<i>36-41</i>	<i>0.1</i>	<i>0.0</i>	<i>0.0</i>	<i>0.0</i>	<i>0.1</i>
<i>Total</i>					<i>355.1</i>
<b><i>B. Average Wind Speed: 1 Knot or Less</i></b>					
<i>01-05</i>	<i>76.2</i>	<i>74.5</i>	<i>98.9</i>	<i>95.6</i>	<i>345.2</i>
<i>06-11</i>	<i>4.0</i>	<i>3.5</i>	<i>6.1</i>	<i>7.1</i>	<i>20.7</i>
<i>12-17</i>	<i>0.3</i>	<i>0.3</i>	<i>0.8</i>	<i>1.3</i>	<i>2.7</i>
<i>18-23</i>	<i>0.0</i>	<i>0.0</i>	<i>0.1</i>	<i>0.3</i>	<i>0.4</i>
<i>24-35</i>	<i>0.0</i>	<i>0.0</i>	<i>0.0</i>	<i>0.0</i>	<i>0.0</i>
<i>36-41</i>	<i>0.1</i>	<i>0.0</i>	<i>0.0</i>	<i>0.0</i>	<i>0.1</i>
<i>Total</i>					<i>369.1</i>
<b><i>Note:</i></b>					
1. Frequency of incidents/season/station were determined by dividing 15 into total number of occurrences for each season-duration group (5 years of record times 3 stations = 15).					
2. Reference <a href="#">13</a> - The three locations were Charlotte WBAS, Winston-Salem WBAS, North Carolina; and Greenville WBAS and Greenville-Spartanburg WBAS, South Carolina.					

**Table 2-13. Percentage Distribution of Athens, Georgia Annual Winds at 0630 Eastern Standard Time (800-1300 Feet Above Ground)**

["HISTORICAL INFORMATION IN ITALICS NOT REQUIRED TO BE REVISED"]

<i>Wind Direction</i>	<i>1-5 <sup>(1)</sup></i>	<i>6-10</i>	<i>11-14</i>	<i>&gt;15</i>	<i>Totals</i>
<i>N</i>	<i>1.84</i>	<i>1.55</i>	<i>0.14</i>	<i>0</i>	<i>3.53</i>
<i>NNE</i>	<i>0.99</i>	<i>0.14</i>	<i>0.28</i>	<i>0</i>	<i>1.41</i>
<i>NE</i>	<i>2.11</i>	<i>1.55</i>	<i>0.42</i>	<i>0</i>	<i>4.09</i>
<i>ENE</i>	<i>2.82</i>	<i>5.08</i>	<i>3.24</i>	<i>1.97</i>	<i>13.12</i>
<i>E</i>	<i>2.26</i>	<i>3.95</i>	<i>1.13</i>	<i>0</i>	<i>7.33</i>
<i>ESE</i>	<i>2.12</i>	<i>2.12</i>	<i>0.71</i>	<i>0.14</i>	<i>5.08</i>
<i>SE</i>	<i>1.41</i>	<i>0.99</i>	<i>0.85</i>	<i>0.14</i>	<i>3.39</i>
<i>SSE</i>	<i>1.27</i>	<i>1.27</i>	<i>0.28</i>	<i>0.14</i>	<i>2.96</i>
<i>S</i>	<i>1.83</i>	<i>0.42</i>	<i>0.28</i>	<i>0.14</i>	<i>2.68</i>
<i>SSW</i>	<i>2.12</i>	<i>2.12</i>	<i>0.71</i>	<i>0.28</i>	<i>5.22</i>
<i>SW</i>	<i>1.41</i>	<i>3.95</i>	<i>1.13</i>	<i>0.42</i>	<i>6.91</i>
<i>WSW</i>	<i>1.55</i>	<i>2.96</i>	<i>1.13</i>	<i>0.28</i>	<i>5.92</i>
<i>W</i>	<i>2.96</i>	<i>4.09</i>	<i>2.54</i>	<i>0.71</i>	<i>10.30</i>
<i>WNW</i>	<i>2.40</i>	<i>4.94</i>	<i>4.37</i>	<i>1.13</i>	<i>12.83</i>
<i>NW</i>	<i>1.83</i>	<i>5.22</i>	<i>3.10</i>	<i>0.14</i>	<i>10.30</i>
<i>NNW</i>	<i>2.12</i>	<i>1.83</i>	<i>0.28</i>	<i>0</i>	<i>4.23</i>
<i>Calm</i>					<i>0.71</i>
	<i>31.03</i>	<i>42.17</i>	<i>20.6</i>	<i>5.50</i>	<i>100.01</i>

**Note:**

1. Wind Speeds in Meters/Sec
2. Reference [16](#)
3. December 1, 1954 through November 30, 1961

**Table 2-14. Percentage Distribution of Athens, Georgia Annual Winds at 0630 Eastern Standard Time (2300-2800 Feet Above Ground)**

["HISTORICAL INFORMATION IN ITALICS NOT REQUIRED TO BE REVISED"]

<i>Wind Direction</i>	<i>1-5 <sup>(1)</sup></i>	<i>6-10</i>	<i>11-14</i>	<i>&gt;15</i>	<i>Totals</i>
<i>N</i>	<i>1.46</i>	<i>1.32</i>	<i>0.44</i>	<i>0.44</i>	<i>3.66</i>
<i>NNE</i>	<i>1.61</i>	<i>0.88</i>	<i>0.15</i>	<i>0</i>	<i>2.64</i>
<i>NE</i>	<i>1.75</i>	<i>0.88</i>	<i>0.29</i>	<i>0.15</i>	<i>3.07</i>
<i>ENE</i>	<i>2.19</i>	<i>2.78</i>	<i>1.02</i>	<i>0.88</i>	<i>6.87</i>
<i>E</i>	<i>1.90</i>	<i>4.24</i>	<i>0.44</i>	<i>0.29</i>	<i>6.87</i>
<i>ESE</i>	<i>2.34</i>	<i>2.78</i>	<i>0.29</i>	<i>0.44</i>	<i>5.85</i>
<i>SE</i>	<i>1.32</i>	<i>1.02</i>	<i>0.29</i>	<i>0.29</i>	<i>2.92</i>
<i>SSE</i>	<i>1.61</i>	<i>1.61</i>	<i>0.29</i>	<i>0.88</i>	<i>4.39</i>
<i>S</i>	<i>1.32</i>	<i>1.90</i>	<i>0.44</i>	<i>0.88</i>	<i>4.54</i>
<i>SSW</i>	<i>1.61</i>	<i>1.32</i>	<i>0.88</i>	<i>0.88</i>	<i>4.69</i>
<i>SW</i>	<i>2.92</i>	<i>3.22</i>	<i>1.02</i>	<i>1.61</i>	<i>8.77</i>
<i>WSW</i>	<i>1.70</i>	<i>4.09</i>	<i>1.02</i>	<i>1.02</i>	<i>7.83</i>
<i>W</i>	<i>2.78</i>	<i>4.53</i>	<i>2.34</i>	<i>2.49</i>	<i>12.14</i>
<i>WNW</i>	<i>3.95</i>	<i>4.53</i>	<i>2.92</i>	<i>2.19</i>	<i>13.59</i>
<i>NW</i>	<i>1.46</i>	<i>2.34</i>	<i>1.75</i>	<i>1.90</i>	<i>7.45</i>
<i>NNW</i>	<i>1.32</i>	<i>2.49</i>	<i>0.73</i>	<i>0.29</i>	<i>4.83</i>
<i>Calm</i>					<i>0.44</i>
	<i>31.24</i>	<i>39.93</i>	<i>14.31</i>	<i>14.63</i>	<i>100.+</i>

**Note:**

1. Wind Speeds in Meters/Sec
2. Reference [16](#)
3. December 1, 1954 through November 30, 1961

**Table 2-15. Average Wind Direction Change with Height, Athens, Georgia, by Lapse Rates in the Lowest 50 Meters-Two Years of Record <sup>(1)</sup>**

["HISTORICAL INFORMATION IN ITALICS NOT REQUIRED TO BE REVISED"]

<i>Height Above Ground (meters)</i>	<i>Stable</i>	<i>Unstable</i>
50	4.6°	3°
100	9.6°	6°
150	14.2°	8.4°
200	18.6°	11°
250	25°	13.6°
300	28°	17.5°
350	33°	19.2°
400	37°	21.1°

**Note:**

1. Reference [16](#)
2. Years of Record are DEC 1959 - NOV 1961



**Table 2-16. 67.5° Sector Wind Direction Persistence Duration (in Hours) Greenville, S. C. WBAS**

["HISTORICAL INFORMATION IN ITALICS NOT REQUIRED TO BE REVISED"]

<i>Direction</i>	<i>Summer <math>\bar{P}</math></i>	<i>Summer RMSP</i>	<i>Winter <math>\bar{P}</math></i>	<i>Winter RMSP</i>	<i>Summer <math>\bar{P} &gt; 24\text{Hrs.}</math></i>	<i>Winter <math>\bar{P} &gt; 24\text{Hrs.}</math></i>
<i>N</i>	<i>1.49</i>	<i>1.82</i>	<i>3.23</i>	<i>4.67</i>	<i>0</i>	<i>0</i>
<i>NNE</i>	<i>2.75</i>	<i>3.51</i>	<i>3.47</i>	<i>4.65</i>	<i>0</i>	<i>0</i>
<i>NE</i>	<i>4.02</i>	<i>6.70</i>	<i>5.65</i>	<i>11.13</i>	<i>1-29</i>	<i>1-48</i>
<i>ENE</i>	<i>2.96</i>	<i>3.80</i>	<i>7.73</i>	<i>15.0</i>	<i>0</i>	<i>1-52,1-71</i>
<i>E</i>	<i>2.75</i>	<i>3.75</i>	<i>2.74</i>	<i>3.45</i>	<i>0</i>	<i>0</i>
<i>ESE</i>	<i>2.53</i>	<i>3.55</i>	<i>1.43</i>	<i>1.66</i>	<i>0</i>	<i>0</i>
<i>SE</i>	<i>1.35</i>	<i>1.57</i>	<i>1.38</i>	<i>1.84</i>	<i>0</i>	<i>0</i>
<i>SSE</i>	<i>2.04</i>	<i>2.59</i>	<i>3.00</i>	<i>3.64</i>	<i>0</i>	<i>0</i>
<i>S</i>	<i>1.86</i>	<i>2.79</i>	<i>1.72</i>	<i>2.13</i>	<i>0</i>	<i>0</i>
<i>SSW</i>	<i>2.02</i>	<i>2.70</i>	<i>2.41</i>	<i>3.01</i>	<i>0</i>	<i>0</i>
<i>SW</i>	<i>3.32</i>	<i>4.84</i>	<i>3.27</i>	<i>4.67</i>	<i>0</i>	<i>0</i>
<i>WSW</i>	<i>4.34</i>	<i>9.87</i>	<i>5.29</i>	<i>7.95</i>	<i>0</i>	<i>0</i>
<i>W</i>	<i>2.70</i>	<i>3.45</i>	<i>2.29</i>	<i>3.04</i>	<i>0</i>	<i>0</i>
<i>WNW</i>	<i>2.90</i>	<i>4.18</i>	<i>2.63</i>	<i>3.13</i>	<i>0</i>	<i>0</i>
<i>NW</i>	<i>2.26</i>	<i>3.01</i>	<i>1.60</i>	<i>1.86</i>	<i>0</i>	<i>0</i>
<i>NNW</i>	<i>1.67</i>	<i>2.10</i>	<i>2.33</i>	<i>2.99</i>	<i>0</i>	<i>0</i>
<i>Calm</i>	<i>1.58</i>	<i>1.77</i>	<i>1.87</i>	<i>2.28</i>	<i>0</i>	<i>0</i>

**Table 2-17. 112.5° Sector Wind Direction Persistence Duration (in Hours) (Greenville, S. C. WBAS)**

["HISTORICAL INFORMATION IN ITALICS NOT REQUIRED TO BE REVISED"]

<i>Wind Direction</i>	<i>Summer <math>\bar{P}</math></i>	<i>Summer RMSP</i>	<i>Winter <math>\bar{P}</math></i>	<i>Winter RMSP</i>	<i>Summer <math>\bar{P} &gt; 24\text{Hrs.}</math></i>	<i>Winter <math>\bar{P} &gt; 24\text{Hrs.}</math></i>
<i>N</i>	<i>2.51</i>	<i>3.09</i>	<i>6.24</i>	<i>10.28</i>	<i>0</i>	<i>1-28, 1-31</i>
<i>NNE</i>	<i>4.49</i>	<i>6.88</i>	<i>4.67</i>	<i>6.57</i>	<i>0</i>	<i>0</i>
<i>NE</i>	<i>11.89</i>	<i>20.46</i>	<i>15.56</i>	<i>28.05</i>	<i>1-41, 1-57, 1-64, 1-44, 1-45</i>	<i>1-26, 1-51, 1-66, 1-101</i>
<i>ENE</i>	<i>5.03</i>	<i>7.53</i>	<i>10.00</i>	<i>15.70</i>	<i>0</i>	<i>1-26, 1-32, 1-36, 1-41</i>
<i>E</i>	<i>5.36</i>	<i>5.79</i>	<i>5.40</i>	<i>7.92</i>	<i>1-56</i>	<i>1-24</i>
<i>ESE</i>	<i>4.15</i>	<i>5.73</i>	<i>4.10</i>	<i>6.42</i>	<i>0</i>	<i>1-24</i>
<i>SE</i>	<i>2.19</i>	<i>3.86</i>	<i>4.00</i>	<i>6.50</i>	<i>0</i>	<i>0</i>
<i>SSE</i>	<i>2.24</i>	<i>2.79</i>	<i>3.42</i>	<i>3.84</i>	<i>0</i>	<i>0</i>
<i>S</i>	<i>2.76</i>	<i>3.26</i>	<i>3.92</i>	<i>6.28</i>	<i>0</i>	<i>1-29</i>
<i>SSW</i>	<i>3.83</i>	<i>5.32</i>	<i>2.58</i>	<i>3.17</i>	<i>0</i>	<i>0</i>
<i>SW</i>	<i>6.71</i>	<i>11.70</i>	<i>5.62</i>	<i>7.79</i>	<i>1-29, 1-40, 1-25, 1-37, 1-24</i>	<i>1-26</i>
<i>WSW</i>	<i>9.74</i>	<i>16.40</i>	<i>6.68</i>	<i>10.00</i>	<i>1-58, 1-24 1-60, 1-25</i>	<i>1-31</i>
<i>W</i>	<i>5.68</i>	<i>8.70</i>	<i>4.30</i>	<i>5.48</i>	<i>1-25</i>	<i>0</i>
<i>WNW</i>	<i>3.78</i>	<i>5.13</i>	<i>5.28</i>	<i>7.94</i>	<i>0</i>	<i>1-35</i>
<i>NW</i>	<i>3.71</i>	<i>4.74</i>	<i>2.83</i>	<i>3.66</i>	<i>0</i>	<i>0</i>
<i>NNW</i>	<i>2.47</i>	<i>3.13</i>	<i>5.20</i>	<i>8.10</i>	<i>0</i>	<i>0</i>

**Table 2-18. Surface Temperature (°F) Clemson, S. C. (68 Years of Record) <sup>(1)</sup>**

["HISTORICAL INFORMATION IN ITALICS NOT REQUIRED TO BE REVISED"]

<i>Month</i>	<i>Absolute Min.</i>	<i>Mean Min.</i>	<i>Mean</i>	<i>Mean Max.</i>	<i>Absolute Max.</i>
<i>Jan</i>	-5	+33	43.6	54	80
<i>Feb</i>	-7	34	45.5	57	82
<i>Mar</i>	+10	40	52.2	64	89
<i>Apr</i>	24	48	60.5	73	93
<i>May</i>	33	57	68.9	81	100
<i>Jun</i>	42	65	76.2	88	105
<i>Jul</i>	49	68	78.6	89	104
<i>Aug</i>	52	67	77.8	88	104
<i>Sep</i>	38	62	73.1	84	104
<i>Oct</i>	23	50	62.2	75	98
<i>Nov</i>	10	39	51.4	64	86
<i>Dec</i>	+2	33	44.0	55	81
<i>Annual</i>	22.6	49.7	61.2	72.7	93.8

**Note:**1. References [15a-f](#)

**Table 2-19. Surface Precipitation (Inches) Clemson, S. C. (71 Years of Record) <sup>(2)</sup>**

["HISTORICAL INFORMATION IN ITALICS NOT REQUIRED TO BE REVISED"]

<i>Normals</i>		<i>Month</i>	<i>Amount</i>
<i>Jan</i>	4.88	<i>Highest Annual</i>	<i>73.70 (1936)</i>
<i>Feb</i>	5.28	<i>Lowest Annual</i>	<i>37.07 (1941)</i>
<i>Mar</i>	5.23	<i>Heaviest Snowfall</i>	<i>14.1 inches (Dec 1930)</i>
<i>Apr</i>	4.16		
<i>May</i>	3.83	<i>Heaviest Rainfall - Short Periods of Time<sup>(1)</sup></i>	
<i>Jun</i>	4.32	<i>in 1 hour</i>	<i>3.18 inches 7/17/40</i>
<i>Jul</i>	5.09	<i>in 2 hours</i>	<i>4.38 inches 7/17/40</i>
<i>Aug</i>	4.91	<i>in 3 hours</i>	<i>4.48 inches 7/17/40</i>
<i>Sep</i>	3.64	<i>in 6 hours</i>	<i>4.48 inches 7/17/40</i>
<i>Oct</i>	3.25	<i>in 12 hours</i>	<i>5.42 inches 8/12-13/40</i>
<i>Nov</i>	3.04	<i>in 24 hours</i>	<i>9.92 inches 9/29/36</i>
<i>Dec</i>	5.27		
<i>Annual</i>	52.90		

**Note:**

1. All records were associated with tropical storms
2. References [15a-f](#).

**Table 2-20. Precipitation - Wind Statistics - Greenville, S. C. 1959-1963 (By Precipitation Intensities) <sup>(1)</sup>**

["HISTORICAL INFORMATION IN ITALICS NOT REQUIRED TO BE REVISED"]

<i>Wind Direction</i>	<i>Light</i>		<i>Moderate</i>		<i>Heavy</i>		<i>Total</i>	
	<i>%</i>	<i>Speed</i>	<i>%</i>	<i>Speed</i>	<i>%</i>	<i>Speed</i>	<i>%</i>	<i>Speed</i>
<i>N</i>	<i>0.351</i>	<i>6.58</i>	<i>0.030</i>	<i>6.69</i>	<i>0.023</i>	<i>12.10</i>	<i>0.404</i>	<i>6.90</i>
<i>NNE</i>	<i>0.659</i>	<i>7.62</i>	<i>0.052</i>	<i>9.26</i>	<i>0.018</i>	<i>8.50</i>	<i>0.729</i>	<i>7.76</i>
<i>NE</i>	<i>2.526</i>	<i>9.19</i>	<i>0.219</i>	<i>10.97</i>	<i>0.082</i>	<i>10.00</i>	<i>2.827</i>	<i>9.35</i>
<i>ENE</i>	<i>1.381</i>	<i>8.24</i>	<i>0.128</i>	<i>9.52</i>	<i>0.034</i>	<i>7.53</i>	<i>1.543</i>	<i>8.33</i>
<i>E</i>	<i>0.486</i>	<i>6.16</i>	<i>0.057</i>	<i>6.28</i>	<i>0.018</i>	<i>10.25</i>	<i>0.561</i>	<i>6.30</i>
<i>ESE</i>	<i>0.221</i>	<i>5.45</i>	<i>0.014</i>	<i>5.83</i>	<i>0.009</i>	<i>7.25</i>	<i>0.244</i>	<i>5.54</i>
<i>SE</i>	<i>0.203</i>	<i>4.98</i>	<i>0.023</i>	<i>5.70</i>	<i>0.018</i>	<i>7.25</i>	<i>0.244</i>	<i>5.22</i>
<i>SSE</i>	<i>0.171</i>	<i>5.95</i>	<i>0.016</i>	<i>7.29</i>	<i>0.014</i>	<i>6.83</i>	<i>0.201</i>	<i>6.12</i>
<i>S</i>	<i>0.399</i>	<i>6.93</i>	<i>0.023</i>	<i>8.00</i>	<i>0.009</i>	<i>8.75</i>	<i>0.431</i>	<i>7.03</i>
<i>SSW</i>	<i>0.395</i>	<i>8.05</i>	<i>0.034</i>	<i>10.20</i>	<i>0.014</i>	<i>9.33</i>	<i>0.443</i>	<i>8.26</i>
<i>SW</i>	<i>0.591</i>	<i>7.39</i>	<i>0.046</i>	<i>8.40</i>	<i>0.009</i>	<i>6.50</i>	<i>0.646</i>	<i>7.45</i>
<i>SWS</i>	<i>0.507</i>	<i>7.36</i>	<i>0.016</i>	<i>7.43</i>	<i>0.005</i>	<i>17.50</i>	<i>0.528</i>	<i>7.46</i>
<i>W</i>	<i>0.278</i>	<i>7.29</i>	<i>0.014</i>	<i>7.83</i>	<i>0.014</i>	<i>13.00</i>	<i>0.306</i>	<i>7.58</i>
<i>WNW</i>	<i>0.157</i>	<i>6.35</i>	<i>0.001</i>	<i>8.40</i>	<i>0.016</i>	<i>9.71</i>	<i>0.184</i>	<i>6.76</i>
<i>NW</i>	<i>0.171</i>	<i>5.97</i>	<i>0.007</i>	<i>7.33</i>	<i>0.009</i>	<i>13.50</i>	<i>0.187</i>	<i>6.38</i>
<i>NNW</i>	<i>0.153</i>	<i>7.08</i>	<i>0.014</i>	<i>8.83</i>	<i>0.018</i>	<i>14.75</i>	<i>0.185</i>	<i>7.96</i>
<i>Calm</i>	<i>0.132</i>	<i>-</i>	<i>0.005</i>	<i>-</i>	<i>0</i>	<i>-</i>	<i>0.137</i>	<i>-</i>
<i>Totals</i>	<i>8.781</i>		<i>0.709</i>		<i>0.310</i>		<i>9.800</i>	

**Note:**

1. Reference [17](#).
2. Percentages are expressed in terms of the percentage of total hours in the five-year period. Wind speeds are in knots.

**Table 2-21. Pasquill Stability Categories for Greenville, South Carolina**

["HISTORICAL INFORMATION IN ITALICS NOT REQUIRED TO BE REVISED"]

<i>Wind Direction</i>	<i>Column 1</i>		<i>Column 2</i>		<i>Column 3</i>		<i>Column 4</i>	
	$P_C$	$\bar{u}_C$	$P_D$	$\bar{u}_D$	$P_{E+F}$	$\bar{u}_{E+F}$	$P_F$	$\bar{u}_F$
<i>N</i>	<i>1.66</i>	<i>10.326</i>	<i>2.42</i>	<i>10.189</i>	<i>2.10</i>	<i>4.371</i>	<i>1.52</i>	<i>3.567</i>
<i>NNE</i>	<i>1.42</i>	<i>9.083</i>	<i>2.25</i>	<i>8.662</i>	<i>1.80</i>	<i>4.821</i>	<i>1.13</i>	<i>3.851</i>
<i>NE</i>	<i>4.01</i>	<i>9.308</i>	<i>4.13</i>	<i>8.570</i>	<i>4.07</i>	<i>4.971</i>	<i>2.34</i>	<i>3.870</i>
<i>ENE</i>	<i>2.90</i>	<i>8.251</i>	<i>1.91</i>	<i>7.487</i>	<i>2.34</i>	<i>4.522</i>	<i>1.73</i>	<i>3.843</i>
<i>E</i>	<i>1.19</i>	<i>6.800</i>	<i>0.47</i>	<i>4.714</i>	<i>1.46</i>	<i>3.674</i>	<i>1.34</i>	<i>3.468</i>
<i>ESE</i>	<i>0.42</i>	<i>6.680</i>	<i>0.34</i>	<i>4.450</i>	<i>0.74</i>	<i>3.045</i>	<i>0.74</i>	<i>3.045</i>
<i>SE</i>	<i>0.34</i>	<i>5.850</i>	<i>0.25</i>	<i>4.200</i>	<i>1.30</i>	<i>3.494</i>	<i>1.25</i>	<i>3.392</i>
<i>SSE</i>	<i>0.49</i>	<i>6.621</i>	<i>0.20</i>	<i>5.500</i>	<i>0.61</i>	<i>3.361</i>	<i>0.58</i>	<i>3.206</i>
<i>S</i>	<i>1.19</i>	<i>7.486</i>	<i>0.59</i>	<i>5.257</i>	<i>1.47</i>	<i>3.966</i>	<i>1.32</i>	<i>3.705</i>
<i>SSW</i>	<i>1.37</i>	<i>9.247</i>	<i>0.51</i>	<i>7.733</i>	<i>1.10</i>	<i>4.538</i>	<i>0.75</i>	<i>3.614</i>
<i>SW</i>	<i>3.18</i>	<i>9.883</i>	<i>1.15</i>	<i>7.824</i>	<i>2.37</i>	<i>4.614</i>	<i>1.73</i>	<i>3.941</i>
<i>WSW</i>	<i>4.25</i>	<i>11.570</i>	<i>2.17</i>	<i>10.164</i>	<i>1.93</i>	<i>5.491</i>	<i>0.85</i>	<i>4.180</i>
<i>W</i>	<i>2.12</i>	<i>10.720</i>	<i>1.34</i>	<i>9.089</i>	<i>1.85</i>	<i>4.486</i>	<i>1.39</i>	<i>3.829</i>
<i>WNW</i>	<i>0.90</i>	<i>11.566</i>	<i>0.81</i>	<i>8.562</i>	<i>2.27</i>	<i>4.455</i>	<i>1.76</i>	<i>3.913</i>
<i>NW</i>	<i>0.68</i>	<i>9.425</i>	<i>0.47</i>	<i>6.214</i>	<i>2.74</i>	<i>4.130</i>	<i>2.18</i>	<i>3.574</i>
<i>NNW</i>	<i>0.51</i>	<i>9.700</i>	<i>0.36</i>	<i>8.810</i>	<i>1.10</i>	<i>4.277</i>	<i>0.85</i>	<i>3.640</i>
<i>Calm</i>	<i>0.20</i>	<i>0</i>	<i>0.37</i>	<i>0</i>	<i>2.76</i>	<i>0</i>	<i>2.76</i>	<i>0</i>
<i>Total Percent</i>	<i>26.83</i>	<i>9.47</i>	<i>19.74</i>	<i>8.26</i>	<i>32.01</i>	<i>4.06</i>	<i>24.22</i>	<i>3.72</i>

**Note:**

1.  $\bar{u}$  in knots above
2.  $P$  in % of total observations
3. 5904 observations equally distributed throughout the year for a two-year period from December 1, 1959 through November 30, 1961
4. References [20](#) and [21](#)

**Table 2-22. Pasquill Stability Category and Supplemental Data for Greenville, S. C.**

["HISTORICAL INFORMATION IN ITALICS NOT REQUIRED TO BE REVISED"]

<i>Wind Direction</i>	<i>Column 5</i>		<i>Column 6</i>		<i>Column 7</i>		<i>Column 8<sup>(4)</sup></i>	
	<i>P<sub>L</sub></i>	<i>ū<sub>L</sub></i>	<i>P<sub>fum</sub></i>	<i>ū<sub>fum</sub></i>	<i>P<sub>all</sub></i>	<i>ū<sub>all</sub></i>	<i>P<sub>5yrs</sub></i>	<i>ū<sub>5yrs</sub></i>
<i>N</i>	0.36	5.286	0.35	5.000	6.90	7.93	7.00	7.1
<i>NNE</i>	0.81	4.375	0.19	4.353	6.41	7.09	7.30	7.2
<i>NE</i>	1.34	4.861	0.68	5.417	14.23	7.25	14.70	7.5
<i>ENE</i>	1.80	3.849	0.38	4.912	9.30	6.19	8.70	7.0
<i>E</i>	1.32	4.449	0.23	4.550	4.67	4.84	5.50	5.5
<i>ESE</i>	0.86	4.098	0.07	4.000	2.40	4.32	2.60	4.8
<i>SE</i>	0.93	4.473	0.05	2.500	2.82	4.40	2.70	4.6
<i>SSE</i>	0.76	4.178	0.05	3.500	2.08	4.69	2.00	5.1
<i>S</i>	1.20	4.535	0.10	3.444	4.49	5.26	4.10	5.4
<i>SSW</i>	1.25	4.486	0.17	4.533	4.37	6.53	4.30	6.6
<i>SW</i>	2.27	4.619	0.32	4.670	9.24	6.86	9.50	7.2
<i>WSW</i>	1.10	4.585	0.39	5.400	9.80	9.10	9.50	8.2
<i>W</i>	0.83	5.020	0.54	4.896	6.79	7.37	6.20	7.2
<i>WNW</i>	0.73	5.302	0.38	5.176	5.17	6.44	4.50	6.6
<i>NW</i>	0.56	4.394	0.46	4.122	5.02	4.98	4.40	5.3
<i>NNW</i>	0.44	4.385	0.13	4.417	2.55	6.01	3.50	6.7
<i>Calm</i>	0.10	0	0.27	0	3.75	0	3.50	-
<i>Total Percent</i>	16.66	4.479	4.76	4.527	100.00	6.44	100.00	6.57

**Note:**

1. *ū* in knots above.
2. *P* in % of total observations.
3. Based on 5904 observations equally distributed throughout the two-year period from December 1, 1959 through November 30, 1961.
4. Entire 5 year period 1959 - 1963.
5. References [20](#), [21](#), and [12](#).

**Table 2-23. Average Temperature Difference (°F) at Minimum Temperature Time<sup>(1)</sup>.** (Paris Mountain Fire Tower - Clemson) Versus Pasquill Stability Class (From Greenville, South Carolina Hourly Observations)

["HISTORICAL INFORMATION IN ITALICS NOT REQUIRED TO BE REVISED"]

<i>Pasquill Stability Class</i>	<i>Season</i>				
	<i>Winter</i>	<i>Spring</i>	<i>Summer</i>	<i>Fall</i>	<i>Annual</i>
<i>C</i>	<i>-5.43</i>	<i>-5.75</i>	<i>-6.60</i>	<i>-4.63</i>	<i>-4.93</i>
<i>D</i>	<i>-1.28</i>	<i>-2.05</i>	<i>-2.28</i>	<i>0.00</i>	<i>-1.37</i>
<i>E</i>	<i>+3.96</i>	<i>+2.25</i>	<i>-1.59</i>	<i>+2.31</i>	<i>+1.75</i>
<i>F</i>	<i>+5.18</i>	<i>+4.87</i>	<i>+1.11</i>	<i>+4.18</i>	<i>+3.72</i>

**Note:**

1. 602 Days of Record from December 1, 1959 through November 30, 1961.
2. Reference [23](#).



Table 2-24. Joint Frequency Distribution of Wind Speed and Wind Direction for each Stability Class, for Greenville-Spartanburg, South Carolina for 1975

["HISTORICAL INFORMATION NOT REQUIRED TO BE REVISED."]

SPEED(KTS)							
DIRECTION	0 - 3	4 - 6	7 - 10	11 - 16	17 - 21	GREATER THAN 21	TOTAL
N	0.000405	0.001370	0.000000	0.000000	0.000000	0.000000	0.001775
NNE	0.000747	0.001027	0.000000	0.000000	0.000000	0.000000	0.001775
NE	0.000747	0.001027	0.000000	0.000000	0.000000	0.000000	0.001775
ENE	0.000444	0.000000	0.000000	0.000000	0.000000	0.000000	0.000444
E	0.001051	0.002055	0.000000	0.000000	0.000000	0.000000	0.003106
ESE	0.000444	0.000000	0.000000	0.000000	0.000000	0.000000	0.000444
SE	0.000444	0.000000	0.000000	0.000000	0.000000	0.000000	0.000444
SSE	0.000101	0.000342	0.000000	0.000000	0.000000	0.000000	0.000444
S	0.002281	0.001712	0.000000	0.000000	0.000000	0.000000	0.003993
SSW	0.000101	0.000342	0.000000	0.000000	0.000000	0.000000	0.000444
SW	0.000304	0.001027	0.000000	0.000000	0.000000	0.000000	0.001331
WSW	0.000444	0.000000	0.000000	0.000000	0.000000	0.000000	0.000444
W	0.000607	0.002055	0.000000	0.000000	0.000000	0.000000	0.002662
WNW	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
NW	0.000101	0.000342	0.000000	0.000000	0.000000	0.000000	0.000444
NNW	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
TOTAL	0.000219	0.011301	0.000000	0.000000	0.000000	0.000000	
RELATIVE FREQUENCY OF OCCURRENCE OF A STABILITY = 0.019521							
RELATIVE FREQUENCY OF CALMS DISTRIBUTED ABOVE WITH A STABILITY = 0.004452							

DIRECTION	SPEED(KTS)							TOTAL
	0 - 3	4 - 6	7 - 10	11 - 16	17 - 21	GREATER THAN 21		
N	0.006538	0.004795	0.000685	0.000000	0.000000	0.000000		0.012017
NNE	0.000681	0.002055	0.001370	0.000000	0.000000	0.000000		0.004105
NE	0.002972	0.004452	0.000685	0.000000	0.000000	0.000000		0.008109
ENE	0.001462	0.002055	0.000000	0.000000	0.000000	0.000000		0.003517
E	0.003359	0.007192	0.000342	0.000000	0.000000	0.000000		0.010893
ESE	0.002586	0.001712	0.000342	0.000000	0.000000	0.000000		0.004641
SE	0.001559	0.002740	0.000342	0.000000	0.000000	0.000000		0.004641
SSE	0.002731	0.002740	0.001712	0.000000	0.000000	0.000000		0.007189
S	0.002401	0.006537	0.002397	0.000000	0.000000	0.000000		0.011305
SSW	0.003025	0.002055	0.000685	0.000000	0.000000	0.000000		0.005765
SW	0.002191	0.004452	0.003767	0.000000	0.000000	0.000000		0.010410
WSW	0.000729	0.002397	0.002740	0.000000	0.000000	0.000000		0.005866
W	0.003069	0.005137	0.001712	0.000000	0.000000	0.000000		0.009918
WNW	0.001414	0.001712	0.000000	0.000000	0.000000	0.000000		0.003126
NW	0.001365	0.001370	0.000342	0.000000	0.000000	0.000000		0.003078
NNW	0.001510	0.002397	0.000685	0.000000	0.000000	0.000000		0.004593
TOTAL	0.037671	0.053767	0.017808	0.000000	0.000000	0.000000		
RELATIVE FREQUENCY OF OCCURRENCE OF B STABILITY = 0.109247								
RELATIVE FREQUENCY OF CALMS DISTRIBUTED ABOVE WITH B STABILITY = 0.011301								

SPEED(KTS)							
DIRECTION	0 - 3	4 - 6	7 - 10	11 - 16	17 - 21	GREATER THAN 21	TOTAL
N	0.003056	0.004452	0.004795	0.001027	0.000000	0.000000	0.013330
NNE	0.001520	0.004795	0.004110	0.000700	0.000000	0.000000	0.010432
NE	0.000685	0.004452	0.003425	0.000000	0.000000	0.000000	0.005562
ENE	0.000053	0.003425	0.004795	0.000000	0.000000	0.000000	0.005190
E	0.000474	0.003082	0.002767	0.000000	0.000000	0.000000	0.007323
ESE	0.00263	0.001712	0.000685	0.000000	0.000000	0.000000	0.002661
SE	0.00764	0.002397	0.000685	0.000000	0.000000	0.000000	0.003846
SSE	0.000764	0.002397	0.000342	0.000000	0.000000	0.000000	0.003504
S	0.001027	0.004110	0.003767	0.000000	0.000000	0.000000	0.008904
SSW	0.001264	0.003082	0.005822	0.000000	0.000000	0.000000	0.010169
SW	0.000316	0.002055	0.011986	0.001027	0.000000	0.000000	0.015385
WSW	0.000363	0.002397	0.003425	0.000685	0.000000	0.000000	0.006876
W	0.000360	0.002397	0.003767	0.000342	0.000000	0.000000	0.006876
WNW	0.000158	0.001027	0.001027	0.000000	0.000000	0.000000	0.002213
NW	0.000053	0.000342	0.000685	0.000000	0.000000	0.000000	0.001080
NNW	0.000501	0.000685	0.002055	0.000000	0.000342	0.000000	0.003583
TOTAL	0.011644	0.039726	0.055137	0.003082	0.000342	0.000000	
RELATIVE FREQUENCY OF OCCURRENCE OF C STABILITY = 0.109932							
RELATIVE FREQUENCY OF CALMS DISTRIBUTED ABOVE WITH C STABILITY = 0.006849							

DIRECTION	SPEED(KTS)							TOTAL
	D - 3	4 - 6	7 - 10	11 - 15	17 - 21	GREATER THAN 21		
N	0.0006192	0.020890	0.006849	0.006507	0.001370	0.000000		0.042208
NNE	0.004712	0.016796	0.026027	0.004452	0.000000	0.000000		0.021287
NE	0.004019	0.014141	0.020548	0.005479	0.000000	0.000000		0.044087
ENE	0.002473	0.006164	0.007534	0.000685	0.000000	0.000000		0.016856
E	0.003659	0.008904	0.003767	0.001027	0.000000	0.000000		0.017358
ESE	0.001337	0.003767	0.001370	0.000342	0.000000	0.000000		0.008916
SE	0.002364	0.002740	0.002035	0.000000	0.000000	0.000000		0.007159
SSE	0.001337	0.003767	0.001027	0.000685	0.000000	0.000000		0.008916
S	0.003709	0.009247	0.008219	0.003767	0.000000	0.000000		0.024942
SSW	0.002431	0.008562	0.010959	0.004795	0.000342	0.000342		0.027431
SW	0.002841	0.014041	0.019863	0.016781	0.002397	0.000000		0.055923
WSW	0.001467	0.004795	0.009599	0.008904	0.001712	0.000000		0.026487
W	0.002566	0.006849	0.006164	0.003082	0.002035	0.000685		0.021801
WNW	0.002114	0.002397	0.000000	0.000342	0.000000	0.000000		0.005054
NW	0.001080	0.002035	0.000342	0.001712	0.000000	0.000000		0.005196
NNW	0.002565	0.004110	0.003082	0.005822	0.000000	0.000000		0.019578
TOTAL	0.045590	0.128424	0.127397	0.064384	0.007877	0.001027		
RELATIVE FREQUENCY OF OCCURRENCE OF D STABILITY = 0.275000								
RELATIVE FREQUENCY OF CALMS DISTRIBUTED ABOVE WITH D STABILITY = 0.022260								

DIRECTION	SPEED(KTS)							TOTAL
	0 - 3	4 - 6	7 - 10	11 - 16	17 - 21	GREATER THAN 21		
N	0.000000	0.011301	0.010616	0.000000	0.000000	0.000000	0.021918	
NNE	0.000000	0.013156	0.003425	0.000000	0.000000	0.000000	0.016781	
NE	0.000000	0.004795	0.002397	0.000000	0.000000	0.000000	0.007192	
ENE	0.000000	0.002397	0.000342	0.000000	0.000000	0.000000	0.002740	
E	0.000000	0.003082	0.000000	0.000000	0.000000	0.000000	0.003082	
ESE	0.000000	0.001027	0.000000	0.000000	0.000000	0.000000	0.001027	
SE	0.000000	0.001712	0.000000	0.000000	0.000000	0.000000	0.001712	
SSE	0.000000	0.002740	0.000000	0.000000	0.000000	0.000000	0.002740	
S	0.000000	0.008219	0.000000	0.000000	0.000000	0.000000	0.008219	
SSW	0.000000	0.002740	0.001712	0.000000	0.000000	0.000000	0.004452	
SW	0.000000	0.007192	0.003822	0.000000	0.000000	0.000000	0.013014	
WSW	0.000000	0.003082	0.002055	0.000000	0.000000	0.000000	0.005137	
W	0.000000	0.003767	0.002055	0.000000	0.000000	0.000000	0.005822	
WNW	0.000000	0.000683	0.000342	0.000000	0.000000	0.000000	0.001027	
NW	0.000000	0.000683	0.001712	0.000000	0.000000	0.000000	0.002397	
NNW	0.000000	0.003082	0.00137	0.000000	0.000000	0.000000	0.004452	
TOTAL	0.000000	0.069863	0.035616	0.000000	0.000000	0.000000	0.008219	
RELATIVE FREQUENCY OF OCCURRENCE OF E STABILITY = 0.105479								
RELATIVE FREQUENCY OF CALMS DISTRIBUTED ABOVE WITH E STABILITY = 0.000000								

DIRECTION	SPEED (KTS)							TOTAL
	0 - 3	4 - 6	7 - 10	11 - 16	17 - 21	GREATER THAN 21		
N	0.013303	0.027740	0.000000	0.000000	0.000000	0.000000		0.041043
NNE	0.003385	0.012329	0.000000	0.000000	0.000000	0.000000		0.017713
NE	0.002281	0.003767	0.000000	0.000000	0.000000	0.000000		0.006048
ENE	0.000954	0.000342	0.000000	0.000000	0.000000	0.000000		0.001296
E	0.003021	0.001027	0.000000	0.000000	0.000000	0.000000		0.006048
ESE	0.002176	0.001712	0.000000	0.000000	0.000000	0.000000		0.003888
SE	0.002429	0.001027	0.000000	0.000000	0.000000	0.000000		0.003456
SSE	0.001222	0.001370	0.000000	0.000000	0.000000	0.000000		0.002592
S	0.003769	0.007192	0.000000	0.000000	0.000000	0.000000		0.012961
SSW	0.004204	0.006164	0.000000	0.000000	0.000000	0.000000		0.010369
SW	0.006770	0.012671	0.000000	0.000000	0.000000	0.000000		0.019442
WSW	0.003430	0.006307	0.000000	0.000000	0.000000	0.000000		0.009937
W	0.004847	0.010274	0.000000	0.000000	0.000000	0.000000		0.015121
WNW	0.001149	0.002740	0.000000	0.000000	0.000000	0.000000		0.003888
NW	0.001776	0.005137	0.000000	0.000000	0.000000	0.000000		0.006913
NNW	0.002640	0.005137	0.000000	0.000000	0.000000	0.000000		0.007777
TOTAL	0.063356	0.105137	0.000000	0.000000	0.000000	0.000000		
RELATIVE FREQUENCY OF OCCURRENCE OF F STABILITY = 0.168493								
RELATIVE FREQUENCY OF CALMS DISTRIBUTED ABOVE WITH F STABILITY = 0.034932								

DIRECTION	SPEED(KTS)							TOTAL
	0 - 3	4 - 6	7 - 10	11 - 16	17 - 21	GREATER THAN 21		
N	0.018437	0.000000	0.000000	0.000000	0.000000	0.000000		0.018437
NNE	0.007658	0.000000	0.000000	0.000000	0.000000	0.000000		0.007658
NE	0.003389	0.000000	0.000000	0.000000	0.000000	0.000000		0.003389
ENE	0.002836	0.000000	0.000000	0.000000	0.000000	0.000000		0.002836
E	0.001844	0.000000	0.000000	0.000000	0.000000	0.000000		0.001844
ESE	0.002269	0.000000	0.000000	0.000000	0.000000	0.000000		0.002269
SE	0.003404	0.000000	0.000000	0.000000	0.000000	0.000000		0.003404
SSE	0.002978	0.000000	0.000000	0.000000	0.000000	0.000000		0.002978
S	0.003331	0.000000	0.000000	0.000000	0.000000	0.000000		0.003331
SSW	0.003673	0.000000	0.000000	0.000000	0.000000	0.000000		0.003673
SW	0.003360	0.000000	0.000000	0.000000	0.000000	0.000000		0.003360
WSW	0.004964	0.000000	0.000000	0.000000	0.000000	0.000000		0.004964
W	0.006324	0.000000	0.000000	0.000000	0.000000	0.000000		0.006324
WNW	0.006324	0.000000	0.000000	0.000000	0.000000	0.000000		0.006324
NW	0.006666	0.000000	0.000000	0.000000	0.000000	0.000000		0.006666
NNW	0.006382	0.000000	0.000000	0.000000	0.000000	0.000000		0.006382
TOTAL	0.096438	0.000000	0.000000	0.000000	0.000000	0.000000		0.096438
RELATIVE FREQUENCY OF OCCURRENCE OF G STABILITY = 0.096438								
RELATIVE FREQUENCY OF CALMS DISTRIBUTED ABOVE WITH G STABILITY = 0.049863								

DIRECTION	SPEED(KTS)							TOTAL
	0 - 3	4 - 6	7 - 10	11 - 16	17 - 21	GREATER THAN 21		
N	0.049998	0.070348	0.022945	0.007534	0.001370	0.000000	0.152395	
NNE	0.025738	0.049658	0.039322	0.004452	0.000000	0.000000	0.114779	
NE	0.016122	0.032534	0.027055	0.005479	0.000000	0.000000	0.081191	
ENE	0.008863	0.011301	0.012671	0.000685	0.000000	0.000000	0.033520	
E	0.010931	0.025342	0.007877	0.001027	0.000000	0.000000	0.033177	
ESE	0.008917	0.009932	0.002397	0.000342	0.000000	0.000000	0.021589	
SE	0.011301	0.010616	0.003082	0.000000	0.000000	0.000000	0.025000	
SSE	0.010315	0.013356	0.003082	0.000685	0.000000	0.000000	0.027438	
S	0.026574	0.036386	0.014384	0.003767	0.006000	0.000000	0.081711	
SSW	0.019134	0.022945	0.019178	0.004795	0.000342	0.000342	0.066739	
SW	0.022122	0.041438	0.041438	0.017808	0.002397	0.000000	0.125204	
WSW	0.012383	0.019178	0.017808	0.009589	0.001712	0.000000	0.060671	
W	0.019931	0.030479	0.013699	0.003425	0.002055	0.000685	0.070273	
WNW	0.007657	0.008562	0.001370	0.000342	0.000000	0.000000	0.017931	
NW	0.008917	0.009932	0.003082	0.001712	0.000000	0.000000	0.023643	
NNW	0.012205	0.013411	0.010959	0.005822	0.000342	0.000000	0.044739	
TOTAL	0.279109	0.408219	0.235959	0.067466	0.008219	0.001027		
TOTAL RELATIVE FREQUENCY OF OBSERVATIONS = 1.000001								
TOTAL RELATIVE FREQUENCY OF CALMS DISTRIBUTED ABOVE = 0.150343								



Table 2-25. Joint Frequency Distribution of Wind Speed and Wind Direction for each Stability Class, for Greenville-Spartanburg, South Carolina for 1968-1972

["HISTORICAL INFORMATION NOT REQUIRED TO BE REVISED."]

DIRECTION	SPEED (KTS)							TOTAL
	0 - 3	4 - 6	7 - 10	11 - 16	17 - 21	GREATER THAN 21		
N	0.000286	0.000890	0.000000	0.000000	0.000000	0.000000	0.001177	0.001177
NNE	0.000546	0.000274	0.000000	0.000000	0.000000	0.000000	0.000840	0.000840
NE	0.000441	0.000948	0.000000	0.000000	0.000000	0.000000	0.001008	0.001008
ENE	0.000290	0.000274	0.000000	0.000000	0.000000	0.000000	0.000504	0.000504
E	0.000202	0.000890	0.000000	0.000000	0.000000	0.000000	0.001092	0.001092
ESE	0.000314	0.000274	0.000000	0.000000	0.000000	0.000000	0.000588	0.000588
SE	0.000131	0.000209	0.000000	0.000000	0.000000	0.000000	0.000340	0.000340
SSE	0.000042	0.000274	0.000000	0.000000	0.000000	0.000000	0.000316	0.000316
S	0.000476	0.000616	0.000000	0.000000	0.000000	0.000000	0.001092	0.001092
SSW	0.000177	0.000411	0.000000	0.000000	0.000000	0.000000	0.000588	0.000588
SW	0.000345	0.000611	0.000000	0.000000	0.000000	0.000000	0.000756	0.000756
WSW	0.000292	0.000548	0.000000	0.000000	0.000000	0.000000	0.000840	0.000840
W	0.000355	0.000822	0.000000	0.000000	0.000000	0.000000	0.001177	0.001177
WNW	0.000461	0.000548	0.000000	0.000000	0.000000	0.000000	0.001008	0.001008
NW	0.000119	0.000137	0.000000	0.000000	0.000000	0.000000	0.000252	0.000252
NNW	0.000047	0.000209	0.000000	0.000000	0.000000	0.000000	0.000252	0.000252
TOTAL	0.004521	0.007329	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
RELATIVE FREQUENCY OF OCCURRENCE OF A STABILITY = 0.011849								
RELATIVE FREQUENCY OF CALMS DISTRIBUTED ABOVE WITH A STABILITY = 0.002192								

SPEED(KTS)							
DIRECTION	0 - 3	4 - 6	7 - 10	11 - 16	17 - 21	GREATER THAN 21	TOTAL
N	0.002982	0.003767	0.001096	0.000000	0.000000	0.000000	0.007849
NNE	0.001779	0.002943	0.001233	0.000000	0.000000	0.000000	0.005937
NE	0.001377	0.003073	0.002053	0.000000	0.000000	0.000000	0.007604
ENE	0.001338	0.001986	0.001781	0.000000	0.000000	0.000000	0.005305
E	0.002378	0.003699	0.001027	0.000000	0.000000	0.000000	0.007102
ESE	0.002578	0.002671	0.001096	0.000000	0.000000	0.000000	0.006343
SE	0.001331	0.002123	0.000822	0.000000	0.000000	0.000000	0.004497
SSE	0.001262	0.001233	0.000479	0.000000	0.000000	0.000000	0.002934
S	0.002310	0.002740	0.001438	0.000000	0.000000	0.000000	0.006688
SSW	0.001343	0.001307	0.001027	0.000000	0.000000	0.000000	0.003877
SW	0.001436	0.003493	0.003336	0.000000	0.000000	0.000000	0.008306
WSW	0.001370	0.003904	0.002877	0.000000	0.000000	0.000000	0.008331
W	0.001632	0.002397	0.001781	0.000000	0.000000	0.000000	0.005930
WNW	0.001284	0.002466	0.000346	0.000000	0.000000	0.000000	0.004298
NW	0.001131	0.001844	0.000822	0.000000	0.000000	0.000000	0.003397
NNW	0.001649	0.001375	0.000753	0.000000	0.000000	0.000000	0.003976
TOTAL	0.028219	0.042123	0.022192	0.000000	0.000000	0.000000	
RELATIVE FREQUENCY OF OCCURRENCE OF B STABILITY = 0.092334							
RELATIVE FREQUENCY OF CALMS DISTRIBUTED ABOVE WITH B STABILITY = 0.006096							

DIRECTION	SPEED(KTS)								TOTAL
	0 - 3	4 - 6	7 - 10	11 - 14	15 - 21	GREATER THAN 21			
M	0.001663	0.004384	0.004452	0.00342	0.00000	0.00000			0.010841
NNE	0.001017	0.003014	0.004041	0.00479	0.00000	0.00000			0.008532
NE	0.000606	0.003425	0.006096	0.00890	0.00000	0.00000			0.011017
ENE	0.000508	0.002329	0.004178	0.00153	0.00000	0.00000			0.007768
E	0.001017	0.002016	0.002394	0.00274	0.00000	0.00000			0.004839
ESE	0.000813	0.001575	0.001370	0.00000	0.00000	0.00000			0.003759
SE	0.000428	0.001438	0.000411	0.00000	0.00000	0.00000			0.002346
SSE	0.000347	0.001370	0.000322	0.00000	0.00000	0.00000			0.002339
S	0.001122	0.004178	0.003219	0.00342	0.00000	0.00000			0.008862
SSW	0.000633	0.002055	0.004178	0.000890	0.00000	0.00000			0.007756
SW	0.000712	0.002767	0.000658	0.001849	0.00000	0.00000			0.016054
WSW	0.000663	0.002219	0.002247	0.002055	0.00000	0.00000			0.013889
W	0.000625	0.003690	0.004041	0.000411	0.00000	0.00000			0.008707
WNW	0.000727	0.001438	0.001164	0.000342	0.00000	0.00000			0.003672
NW	0.000459	0.001781	0.002329	0.000411	0.00000	0.00000			0.004979
NNW	0.000303	0.001712	0.002394	0.000205	0.00000	0.00000			0.004755
TOTAL	0.011844	0.042329	0.060274	0.009315	0.000274	0.000000			
RELATIVE FREQUENCY OF OCCURRENCE OF C STABILITY = 0.123836									
RELATIVE FREQUENCY OF CALMS DISTRIBUTED ABOVE WITH C STABILITY = 0.004452									

DIRECTION	SPEED(KTS)							TOTAL
	0 - 3	4 - 6	7 - 10	11 - 16	17 - 21	GREATER THAN 21		
N	0.004835	0.011849	0.011844	0.009558	0.008890	0.000000	0.038878	0.038878
NNE	0.004716	0.013274	0.022534	0.007055	0.000000	0.000000	0.049848	0.049848
NE	0.004775	0.013753	0.028904	0.014110	0.008822	0.000000	0.064364	0.064364
NNE	0.001457	0.005616	0.010411	0.003425	0.000137	0.000000	0.021048	0.021048
E	0.002181	0.005907	0.004726	0.001027	0.000000	0.000000	0.014441	0.014441
ESE	0.002033	0.005041	0.001507	0.000205	0.000000	0.000000	0.007788	0.007788
SE	0.001949	0.003356	0.001575	0.000048	0.000000	0.000000	0.006949	0.006949
SSE	0.001713	0.002055	0.001164	0.000342	0.000000	0.000000	0.003274	0.003274
S	0.002665	0.007943	0.005685	0.002397	0.000000	0.000000	0.018692	0.018692
SSW	0.001301	0.004452	0.007123	0.003354	0.000137	0.000000	0.016528	0.016528
SW	0.003091	0.008208	0.019384	0.014507	0.002329	0.000000	0.049687	0.049687
WSW	0.001943	0.008767	0.014726	0.014724	0.001301	0.000000	0.041632	0.041632
W	0.001423	0.003342	0.004110	0.005137	0.000342	0.000000	0.018423	0.018423
WNW	0.000926	0.002534	0.001649	0.001712	0.000137	0.000000	0.007158	0.007158
WW	0.000919	0.001849	0.002035	0.003334	0.000868	0.000000	0.008727	0.008727
WNW	0.001550	0.001980	0.002329	0.004932	0.000411	0.000000	0.011208	0.011208
TOTAL	0.027466	0.105616	0.139726	0.088493	0.006644	0.000274		
RELATIVE FREQUENCY OF OCCURRENCE OF D STABILITY = 0.378219								
RELATIVE FREQUENCY OF CALMS DISTRIBUTED ABOVE WITH D STABILITY = 0.013616								

SPEED (KTS)							
DIRECTION	0 - 3	4 - 6	7 - 10	11 - 16	17 - 21	GREATER THAN 21	TOTAL
N	0.000000	0.012192	0.008356	0.000000	0.000000	0.000000	0.020548
NNE	0.000000	0.012397	0.003342	0.000000	0.000000	0.000000	0.017740
NE	0.000000	0.005959	0.002945	0.000000	0.000000	0.000000	0.008904
ENE	0.000000	0.002123	0.001027	0.000000	0.000000	0.000000	0.003151
E	0.000000	0.002053	0.000048	0.000000	0.000000	0.000000	0.002129
ESE	0.000000	0.001438	0.000205	0.000000	0.000000	0.000000	0.001644
SE	0.000000	0.001781	0.000197	0.000000	0.000000	0.000000	0.001918
SSE	0.000000	0.002240	0.000058	0.000000	0.000000	0.000000	0.002329
S	0.000000	0.006975	0.000822	0.000000	0.000000	0.000000	0.007397
SSW	0.000000	0.003425	0.001375	0.000000	0.000000	0.000000	0.005000
SW	0.000000	0.007740	0.004986	0.000000	0.000000	0.000000	0.014726
WSW	0.000000	0.007260	0.005479	0.000000	0.000000	0.000000	0.012740
W	0.000000	0.005411	0.002943	0.000000	0.000000	0.000000	0.008356
WNW	0.000000	0.002877	0.001370	0.000000	0.000000	0.000000	0.004247
W	0.000000	0.002934	0.002466	0.000000	0.000000	0.000000	0.005000
WNW	0.000000	0.002740	0.003836	0.000000	0.000000	0.000000	0.006575
TOTAL	0.000000	0.078767	0.043430	0.000000	0.000000	0.000000	
RELATIVE FREQUENCY OF OCCURRENCE OF E STABILITY = 0.122397							
RELATIVE FREQUENCY OF CALMS DISTRIBUTED ABOVE WITH E STABILITY = 0.000000							

SPEED(KTS)							
DIRECTION	0 - 3	4 - 6	7 - 10	11 - 16	17 - 21	GREATER THAN 21	TOTAL
M	0.008878	0.021096	0.000000	0.000000	0.000000	0.000000	0.029974
MNE	0.003508	0.017671	0.000000	0.000000	0.000000	0.000000	0.029180
NE	0.004399	0.009889	0.000000	0.000000	0.000000	0.000000	0.019988
ENE	0.001679	0.003356	0.000000	0.000000	0.000000	0.000000	0.009036
E	0.002296	0.001781	0.000000	0.000000	0.000000	0.000000	0.004076
ESE	0.001702	0.002093	0.000000	0.000000	0.000000	0.000000	0.003797
SE	0.002661	0.001575	0.000000	0.000000	0.000000	0.000000	0.004236
SSE	0.002181	0.002055	0.000000	0.000000	0.000000	0.000000	0.004236
S	0.003220	0.006849	0.000000	0.000000	0.000000	0.000000	0.012069
SSW	0.002616	0.005137	0.000000	0.000000	0.000000	0.000000	0.007753
SW	0.004324	0.009384	0.000000	0.000000	0.000000	0.000000	0.013908
WSW	0.004799	0.010548	0.000000	0.000000	0.000000	0.000000	0.015346
W	0.003636	0.008493	0.000000	0.000000	0.000000	0.000000	0.012149
WNW	0.002845	0.006507	0.000000	0.000000	0.000000	0.000000	0.009352
NW	0.002936	0.005616	0.000000	0.000000	0.000000	0.000000	0.008592
NNW	0.001977	0.005137	0.000000	0.000000	0.000000	0.000000	0.007114
TOTAL	0.037877	0.116849	0.000000	0.000000	0.000000	0.000000	
RELATIVE FREQUENCY OF OCCURRENCE OF F STABILITY = 0.174726							
RELATIVE FREQUENCY OF CALMS DISTRIBUTED ABOVE WITH F STABILITY = 0.025000							

DIRECTION	SPEED(KTS)							TOTAL
	0 - 3	4 - 6	7 - 10	11 - 16	17 - 21	GREATER THAN 21		
M	0.018437	0.000000	0.000000	0.000000	0.000000	0.000000		0.018437
MNE	0.007636	0.000000	0.000000	0.000000	0.000000	0.000000		0.007636
NE	0.003389	0.000000	0.000000	0.000000	0.000000	0.000000		0.003389
ENE	0.002836	0.000000	0.000000	0.000000	0.000000	0.000000		0.002836
E	0.001844	0.000000	0.000000	0.000000	0.000000	0.000000		0.001844
ESE	0.002289	0.000000	0.000000	0.000000	0.000000	0.000000		0.002289
SE	0.003404	0.000000	0.000000	0.000000	0.000000	0.000000		0.003404
SSE	0.002978	0.000000	0.000000	0.000000	0.000000	0.000000		0.002978
S	0.003331	0.000000	0.000000	0.000000	0.000000	0.000000		0.003331
SSW	0.003673	0.000000	0.000000	0.000000	0.000000	0.000000		0.003673
SW	0.003360	0.000000	0.000000	0.000000	0.000000	0.000000		0.003360
WSW	0.004964	0.000000	0.000000	0.000000	0.000000	0.000000		0.004964
W	0.004524	0.000000	0.000000	0.000000	0.000000	0.000000		0.004524
WNW	0.004524	0.000000	0.000000	0.000000	0.000000	0.000000		0.004524
NW	0.004666	0.000000	0.000000	0.000000	0.000000	0.000000		0.004666
NNW	0.004382	0.000000	0.000000	0.000000	0.000000	0.000000		0.004382
TOTAL	0.096439	0.000000	0.000000	0.000000	0.000000	0.000000		0.096439
RELATIVE FREQUENCY OF OCCURRENCE OF C STABILITY = 0.096439								
RELATIVE FREQUENCY OF CALMS DISTRIBUTED ABOVE WITH C STABILITY = 0.049843								

SPEED(KTS)							
DIRECTION	0 - 3	4 - 6	7 - 10	11 - 16	17 - 21	GREATER THAN 21	TOTAL
N	0.034721	0.054178	0.025948	0.010000	0.000890	0.000000	0.129338
NNE	0.023149	0.031378	0.033131	0.007334	0.000068	0.000000	0.115478
NE	0.018641	0.039247	0.040000	0.015000	0.008222	0.000000	0.113750
NNE	0.008650	0.015485	0.017397	0.004178	0.000137	0.000000	0.044847
E	0.011142	0.017945	0.008356	0.001361	0.000000	0.000000	0.038744
ESE	0.010231	0.012055	0.004178	0.000205	0.000000	0.000000	0.024670
SE	0.010004	0.010479	0.002943	0.000137	0.000000	0.000000	0.023566
SSE	0.008451	0.009247	0.002534	0.000342	0.000000	0.000000	0.020373
S	0.018454	0.028904	0.011164	0.002740	0.000000	0.000000	0.061262
SSW	0.011199	0.014968	0.013904	0.004247	0.000137	0.000068	0.044542
SW	0.019028	0.032882	0.039384	0.018356	0.002397	0.000068	0.113216
WSW	0.015406	0.034247	0.032329	0.016781	0.001507	0.000068	0.100337
W	0.014052	0.026096	0.012877	0.005548	0.000342	0.000068	0.058984
WNW	0.011570	0.016370	0.004932	0.002055	0.000137	0.000000	0.039043
WW	0.010773	0.013562	0.007471	0.004247	0.000068	0.000000	0.034321
WNW	0.010651	0.013356	0.009452	0.005137	0.000411	0.000000	0.039007
TOTAL	0.236164	0.393013	0.265822	0.097808	0.008918	0.000274	
TOTAL RELATIVE FREQUENCY OF OBSERVATIONS = 1.000000							
TOTAL RELATIVE FREQUENCY OF CALMS DISTRIBUTED ABOVE = 0.103219							





DCJVEE METEOROLOGICAL SURVEY TOWER DATA													
SUMMARY OF PASSIVILL B+C				FOR PERIOD OF MAR. 15, 1970 THRU MAR. 14, 1972									
				WIND OCCURRENCES BY SECTOR + SPEED CLASS (NO. OCCURR., PERCENT)									
				DATE OF REPORT 5-16-72									
WIND		SECTOR		WIND SPEED CLASS									
SECTOR	ITEM	TOTAL		1-0-3.2	3.3-5.5	5.6-7.8	7.9-10.0	10.1-12.3	12.4-14.5	14.6-16.7	16.8-19.0	19.1-21.2	>21.2 MPH
				4.5-1.49	1.5-2.49	2.5-3.49	3.5-4.49	4.5-5.49	5.5-6.49	6.5-7.49	7.5-8.49	8.5-9.49	>9.5 M/S
360.0	ND	20	0.14	0.02	0.05	0.02	0.03	0.00	0.00	0.01	0.00	0.00	0.00
-N-	PCT												
27.5	ND	34	0.24	0.04	0.05	0.05	0.01	0.01	0.03	0.01	0.01	0.00	0.00
-NN-	PCT												
45.0	ND	57	0.40	0.02	0.05	0.06	0.08	0.05	0.06	0.04	0.02	0.01	0.00
-NE-	PCT												
67.5	ND	52	0.36	0.00	0.07	0.01	0.08	0.06	0.05	0.05	0.02	0.01	0.01
-ENE-	PCT												
90.0	ND	37	0.26	0.03	0.08	0.07	0.03	0.05	0.00	0.00	0.00	0.00	0.00
-E-	PCT												
112.5	ND	32	0.22	0.03	0.06	0.08	0.03	0.01	0.00	0.00	0.00	0.00	0.00
-ESE-	PCT												
135.0	ND	51	0.36	0.08	0.11	0.08	0.06	0.03	0.00	0.00	0.00	0.00	0.00
-SE-	PCT												
157.5	ND	40	0.28	0.01	0.08	0.08	0.05	0.04	0.01	0.01	0.00	0.00	0.00
-SSE-	PCT												
180.0	ND	48	0.33	0.03	0.06	0.04	0.05	0.07	0.03	0.02	0.01	0.00	0.01
-S-	PCT												
202.5	ND	74	0.52	0.01	0.09	0.08	0.10	0.08	0.03	0.07	0.03	0.01	0.00
-SSW-	PCT												
225.0	ND	75	0.52	0.05	0.06	0.05	0.13	0.05	0.08	0.07	0.01	0.02	0.00
-SW-	PCT												
247.5	ND	37	0.26	0.02	0.04	0.03	0.02	0.01	0.05	0.01	0.03	0.00	0.04
-WSW-	PCT												
270.0	ND	24	0.17	0.02	0.03	0.02	0.00	0.03	0.01	0.01	0.01	0.00	0.03
-W-	PCT												
292.5	ND	21	0.15	0.01	0.06	0.00	0.00	0.00	0.00	0.02	0.01	0.00	0.05
-WNW-	PCT												
315.0	ND	28	0.20	0.03	0.05	0.01	0.01	0.02	0.01	0.00	0.01	0.01	0.03
-NW-	PCT												
337.5	ND	26	0.18	0.03	0.05	0.05	0.02	0.01	0.00	0.00	0.00	0.00	0.01
-NNW-	PCT												
CALM	ND	0											
	PCT												
TOTAL	NO	656		63	147	110	101	75	54	48	26	9	23
	PCT	4.58		0.44	1.03	0.77	0.70	0.52	0.38	0.33	0.18	0.06	0.16
TOTAL VALID OBSERVATIONS 14333				TOTAL OBSERVATIONS 17545									





OCOEE METEOROLOGICAL SURVEY TOWER DATA  
SUMMARY OF PASQUILL F

FOR PERIOD OF MAR. 15, 1970 THRU MAR. 14, 1972  
WIND OCCURRENCES BY SECTOR & SPEED CLASS (NO. OCCURR, PERCENT)

DATE OF REPORT 5-16-72

WIND SECTOR	ITEM	SECTOR TOTAL	WIND SPEED CLASS									
			1.0-3.2 .45-1.49	3.3-5.5 1.5-2.49	5.6-7.8 2.5-3.49	7.9-10.0 3.5-4.49	10.1-12.3 4.5-5.49	12.4-14.5 5.5-6.49	14.6-16.7 6.5-7.49	16.8-19.0 7.5-8.49	19.1-21.2 8.5-9.49	>21.2 MPH >9.5 M/S
360.0	NO	384	38	160	150	30	6	0	0	0	0	0
-N-	PCT	2.68	0.26	1.12	1.05	0.21	0.04	0.00	0.00	0.00	0.00	0.00
22.5	NO	213	24	93	76	16	1	2	1	0	0	0
-NNE-	PCT	1.48	0.17	0.65	0.53	0.11	0.01	0.01	0.01	0.00	0.00	0.00
45.0	NO	170	23	83	45	12	4	2	1	0	0	0
-NE-	PCT	1.19	0.16	0.58	0.31	0.08	0.03	0.01	0.01	0.00	0.00	0.00
67.5	NO	106	12	50	31	5	5	0	1	0	1	1
-ENE-	PCT	0.74	0.08	0.35	0.22	0.03	0.03	0.00	0.01	0.00	0.01	0.01
90.0	NO	88	19	30	31	5	3	0	0	0	0	0
-E-	PCT	0.61	0.13	0.21	0.22	0.03	0.02	0.00	0.00	0.00	0.00	0.00
112.5	NO	53	11	25	12	4	1	0	0	0	0	0
-ESE-	PCT	0.37	0.08	0.17	0.08	0.03	0.01	0.00	0.00	0.00	0.00	0.00
135.0	NO	84	9	33	26	13	3	0	0	0	0	0
-SE-	PCT	0.59	0.06	0.23	0.18	0.09	0.02	0.00	0.00	0.00	0.00	0.00
157.5	NO	84	10	26	26	17	5	0	0	0	0	0
-SSE-	PCT	0.59	0.07	0.18	0.18	0.12	0.03	0.00	0.00	0.00	0.00	0.00
180.0	NO	108	14	27	26	14	21	6	0	0	0	0
-S-	PCT	0.75	0.10	0.19	0.18	0.10	0.15	0.04	0.00	0.00	0.00	0.00
202.5	NO	124	8	31	35	24	12	9	3	1	1	0
-SSW-	PCT	0.86	0.05	0.22	0.24	0.17	0.08	0.06	0.02	0.01	0.01	0.00
225.0	NO	173	16	49	32	35	24	15	1	0	0	1
-SW-	PCT	1.21	0.11	0.34	0.22	0.24	0.17	0.10	0.01	0.00	0.00	0.01
247.5	NO	142	13	40	29	30	14	6	8	2	0	0
-WSW-	PCT	0.99	0.09	0.28	0.20	0.21	0.10	0.04	0.05	0.01	0.00	0.00
270.0	NO	185	34	58	29	20	15	10	11	6	2	0
-W-	PCT	1.29	0.24	0.40	0.20	0.14	0.10	0.07	0.08	0.04	0.01	0.00
292.5	NO	159	23	67	29	16	10	6	5	1	2	0
-WNW-	PCT	1.11	0.16	0.47	0.20	0.11	0.07	0.04	0.03	0.01	0.01	0.00
315.0	NO	246	39	123	50	19	6	4	1	2	1	1
-NW-	PCT	1.72	0.27	0.86	0.35	0.13	0.04	0.03	0.01	0.01	0.01	0.01
337.5	NO	337	38	155	104	30	5	4	1	0	0	0
-NNW-	PCT	2.35	0.26	1.08	0.72	0.21	0.03	0.03	0.01	0.00	0.00	0.00
CALM	NO	3										
	PCT	0.02										
TOTAL	NO	2656	331	1050	731	290	135	64	33	12	7	3
	PCT	18.53	2.31	7.33	5.10	2.02	0.94	0.45	0.23	0.08	0.05	0.02

TOTAL VALID OBSERVATIONS 14333

TOTAL OBSERVATIONS 17545

OCOEE METEOROLOGICAL SURVEY TOWER DATA											
FOR PERIOD OF MAR. 15, 1970 THRU MAR. 14, 1972											
SUMMARY OF PASQUILL G											
WIND OCCURRENCES BY SECTOR + SPEED CLASS (NO., OCCURR., PERCENT)											
DATE OF REPORT 5-16-72											
		WIND SPEED CLASS									
WIND SECTOR	ITEM	1.0-3.2	3.3-5.5	5.6-7.8	7.9-10.0	10.1-12.3	12.4-14.5	14.6-16.7	16.8-19.0	19.1-21.2	>21.2
		NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
		35	144	139	46	6	0	0	0	0	0
		0.24	1.00	0.97	0.32	0.04	0.00	0.00	0.00	0.00	0.00
360.0	NO	370									
-N-	PCT	2.58									
22.5	NO	143	28	38	8	0	0	0	0	0	0
-NNE-	PCT	1.00	0.20	0.48	0.26	0.05	0.00	0.00	0.00	0.00	0.00
45.0	NO	97	18	41	27	8	2	1	0	0	0
-NE-	PCT	0.68	0.13	0.29	0.19	0.05	0.01	0.01	0.00	0.00	0.00
67.5	NO	72	10	31	18	11	2	0	0	0	0
-ENE-	PCT	0.50	0.07	0.22	0.13	0.08	0.01	0.00	0.00	0.00	0.00
90.0	NO	55	7	27	13	5	1	2	0	0	0
-E-	PCT	0.38	0.05	0.19	0.09	0.03	0.01	0.01	0.00	0.00	0.00
112.5	NO	31	6	14	7	1	2	1	0	0	0
-ESE-	PCT	0.22	0.04	0.10	0.05	0.01	0.01	0.01	0.00	0.00	0.00
135.0	NO	102	11	36	39	14	2	0	0	0	0
-SE-	PCT	0.71	0.08	0.25	0.27	0.10	0.01	0.00	0.00	0.00	0.00
157.5	NO	65	11	22	23	8	1	0	0	0	0
-SSE-	PCT	0.45	0.08	0.15	0.16	0.05	0.01	0.00	0.00	0.00	0.00
180.0	NO	55	8	18	17	10	1	1	0	0	0
-S-	PCT	0.38	0.05	0.13	0.12	0.07	0.01	0.01	0.00	0.00	0.00
202.5	NO	64	11	23	18	10	2	0	0	0	0
-SSW-	PCT	0.45	0.08	0.16	0.13	0.07	0.01	0.00	0.00	0.00	0.00
225.0	NO	142	19	42	46	25	8	1	0	0	0
-SW-	PCT	0.99	0.13	0.29	0.32	0.17	0.05	0.01	0.00	0.01	0.00
247.5	NO	111	23	40	29	10	5	3	0	0	1
-WSW-	PCT	0.77	0.16	0.28	0.20	0.07	0.03	0.02	0.00	0.00	0.01
270.0	NO	99	18	37	24	10	5	2	1	0	0
-W-	PCT	0.69	0.13	0.26	0.17	0.07	0.03	0.01	0.01	0.01	0.00
292.5	NO	110	26	52	19	4	4	3	2	0	0
-WNW-	PCT	0.77	0.18	0.36	0.13	0.03	0.03	0.02	0.01	0.00	0.00
315.0	NO	168	35	80	37	8	4	3	0	1	0
-NW-	PCT	1.17	0.24	0.56	0.26	0.05	0.03	0.02	0.00	0.01	0.00
337.5	NO	242	33	100	77	26	4	1	0	0	1
-NNW-	PCT	1.69	0.23	0.70	0.54	0.18	0.03	0.01	0.00	0.00	0.01
CALM	NO	3									
PCT		0.02									
TOTAL	NO	1926	299	776	571	204	49	18	4	3	2
PCT		13.44	2.09	5.41	3.98	1.42	0.34	0.13	0.03	0.02	0.01
TOTAL VALID OBSERVATIONS 14333											
TOTAL OBSERVATIONS 17545											



OCONEE LOW LEVEL SUMMARY OF PASQUILL C				FOR 1975										DATE OF REPORT		6-14-76			
				WIND OCCURRENCES BY SECTOR + SPEED CLASS (NO. OCCURRENCES PERCENT)															
				WIND SPEED CLASS															
				10-15 15-20 20-25 25-30 30-35 35-40 40-45 45-50 50-55 55-60															
SECTOR	ITEM	NO	PCY	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-55	55-60						
360.0	NO	24	0.37	0.16	0.17	0.03	0.00	0.00	0.01	0.00	0.00	0.00	0.00						
360.0	PCY	18	0.24	0.11	0.05	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
45.0	NO	27	0.36	0.11	0.07	0.06	0.03	0.07	0.01	0.00	0.00	0.00	0.00						
45.0	PCY	20	0.27	0.08	0.04	0.03	0.02	0.01	0.00	0.00	0.00	0.00	0.00						
90.0	NO	34	0.45	0.05	0.09	0.09	0.09	0.12	0.00	0.00	0.00	0.00	0.00						
90.0	PCY	24	0.34	0.04	0.13	0.13	0.01	0.01	0.01	0.00	0.00	0.00	0.00						
135.0	NO	10	0.13	0.03	0.05	0.01	0.03	0.01	0.00	0.00	0.00	0.00	0.00						
135.0	PCY	06	0.07	0.01	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
180.0	NO	27	0.36	0.07	0.14	0.05	0.04	0.04	0.00	0.00	0.00	0.00	0.00						
180.0	PCY	20	0.27	0.05	0.11	0.04	0.03	0.01	0.00	0.00	0.00	0.00	0.00						
225.0	NO	23	0.33	0.19	0.19	0.25	0.09	0.09	0.00	0.00	0.00	0.00	0.00						
225.0	PCY	17	0.23	0.12	0.14	0.11	0.05	0.07	0.05	0.00	0.00	0.00	0.00						
270.0	NO	26	0.39	0.12	0.06	0.05	0.03	0.03	0.03	0.00	0.00	0.00	0.00						
270.0	PCY	20	0.27	0.07	0.07	0.01	0.03	0.01	0.03	0.01	0.01	0.01	0.01						
315.0	NO	17	0.23	0.05	0.05	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00						
315.0	PCY	10	0.13	0.03	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
360.0	NO	24	0.37	0.16	0.17	0.03	0.00	0.00	0.01	0.00	0.00	0.00	0.00						
360.0	PCY	18	0.24	0.11	0.05	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
TOTAL				100	100	100	100	100	100	100	100	100	100						
AVERAGE WIND SPEED				6.14	7.01	7.01	7.01	7.01	7.01	7.01	7.01	7.01	7.01						
TOTAL VALID OBSERVATIONS				7510	16	0.21	0.06	0.04	0.04	0.04	0.04	0.04	0.04						
TOTAL OBSERVATIONS				8760	3	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04						



OCONEE LOW LEVEL SUMMARY OF PASQUILL U										FOR 1975										DATE OF REPORT 4-14-76									
SECTION										WIND SPEED CLASS										WIND SPEED CLASS									
WIND										1-0-3-2										1-0-3-2									
TOTAL										1-0-3-2										1-0-3-2									
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OCONEE LOW LEVEL SUMMARY OF PASQUILL E									
WIND OCCURRENCES BY SECTION + SPEED CLASS (NO., OCCUR., PERCENT)									
DATE OF REPORT 4-14-76									
WIND SPEED CLASS									
WIND	SECTION	1.0-1.2	1.3-1.5	1.6-1.8	1.9-2.0	2.1-2.3	2.4-2.6	2.7-2.9	3.0-3.2
NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
PCT	PCT	PCT	PCT	PCT	PCT	PCT	PCT	PCT	PCT
300.0	NO	194	1.0	1.0	1.0	1.0	1.0	1.0	1.0
NO	PCT	2.58	1.26	1.26	1.26	1.26	1.26	1.26	1.26
22.5	NO	117	0.51	0.51	0.51	0.51	0.51	0.51	0.51
NO	PCT	1.56	0.51	0.51	0.51	0.51	0.51	0.51	0.51
45.0	NO	179	0.37	0.37	0.37	0.37	0.37	0.37	0.37
NO	PCT	2.38	0.37	0.37	0.37	0.37	0.37	0.37	0.37
67.5	NO	125	0.24	0.24	0.24	0.24	0.24	0.24	0.24
NO	PCT	1.85	0.24	0.24	0.24	0.24	0.24	0.24	0.24
90.0	NO	112	0.24	0.24	0.24	0.24	0.24	0.24	0.24
NO	PCT	1.12	0.24	0.24	0.24	0.24	0.24	0.24	0.24
112.5	NO	44	0.19	0.19	0.19	0.19	0.19	0.19	0.19
NO	PCT	0.59	0.19	0.19	0.19	0.19	0.19	0.19	0.19
135.0	NO	54	0.21	0.21	0.21	0.21	0.21	0.21	0.21
NO	PCT	0.72	0.21	0.21	0.21	0.21	0.21	0.21	0.21
157.5	NO	124	0.32	0.32	0.32	0.32	0.32	0.32	0.32
NO	PCT	1.24	0.32	0.32	0.32	0.32	0.32	0.32	0.32
180.0	NO	111	0.32	0.32	0.32	0.32	0.32	0.32	0.32
NO	PCT	1.44	0.32	0.32	0.32	0.32	0.32	0.32	0.32
202.5	NO	113	0.31	0.31	0.31	0.31	0.31	0.31	0.31
NO	PCT	1.50	0.31	0.31	0.31	0.31	0.31	0.31	0.31
225.0	NO	162	0.24	0.24	0.24	0.24	0.24	0.24	0.24
NO	PCT	2.16	0.24	0.24	0.24	0.24	0.24	0.24	0.24
247.5	NO	127	0.33	0.33	0.33	0.33	0.33	0.33	0.33
NO	PCT	1.27	0.33	0.33	0.33	0.33	0.33	0.33	0.33
270.0	NO	133	0.31	0.31	0.31	0.31	0.31	0.31	0.31
NO	PCT	1.77	0.31	0.31	0.31	0.31	0.31	0.31	0.31
292.5	NO	115	0.26	0.26	0.26	0.26	0.26	0.26	0.26
NO	PCT	1.53	0.26	0.26	0.26	0.26	0.26	0.26	0.26
315.0	NO	100	0.21	0.21	0.21	0.21	0.21	0.21	0.21
NO	PCT	1.33	0.21	0.21	0.21	0.21	0.21	0.21	0.21
337.5	NO	146	0.29	0.29	0.29	0.29	0.29	0.29	0.29
NO	PCT	1.41	0.29	0.29	0.29	0.29	0.29	0.29	0.29
CALM	NO	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PCT	PCT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL	TOTAL	1460	5.34	5.34	5.34	5.34	5.34	5.34	5.34
PCT	PCT	24.77	5.78	5.78	5.78	5.78	5.78	5.78	5.78
AVERAGE WIND SPEED 5.72									
TOTAL OBSERVATIONS 8760									

[illegible]

OCCURRENCE LOW LEVEL  
SUMMARY OF PASQUILL G

FOR 1975

DATE OF REPORT

WIND		WIND OCCURRENCES BY SECTOR + SPEED CLASS (NO. OCCURRENCE PERCENT)										TOTAL OBSERVATIONS	
TOTAL		WIND SPEED CLASS										TOTAL OBSERVATIONS	
TOTAL		10-12.5 12.5-15.0 15.0-17.5 17.5-20.0 20.0-22.5 22.5-25.0 25.0-27.5 27.5-30.0 30.0-32.5 32.5-35.0										TOTAL OBSERVATIONS	
TOTAL		10-12.5 12.5-15.0 15.0-17.5 17.5-20.0 20.0-22.5 22.5-25.0 25.0-27.5 27.5-30.0 30.0-32.5 32.5-35.0										TOTAL OBSERVATIONS	
TOTAL		10-12.5 12.5-15.0 15.0-17.5 17.5-20.0 20.0-22.5 22.5-25.0 25.0-27.5 27.5-30.0 30.0-32.5 32.5-35.0										TOTAL OBSERVATIONS	
TOTAL		10-12.5 12.5-15.0 15.0-17.5 17.5-20.0 20.0-22.5 22.5-25.0 25.0-27.5 27.5-30.0 30.0-32.5 32.5-35.0										TOTAL OBSERVATIONS	
TOTAL		10-12.5 12.5-15.0 15.0-17.5 17.5-20.0 20.0-22.5 22.5-25.0 25.0-27.5 27.5-30.0 30.0-32.5 32.5-35.0										TOTAL OBSERVATIONS	
TOTAL		10-12.5 12.5-15.0 15.0-17.5 17.5-20.0 20.0-22.5 22.5-25.0 25.0-27.5 27.5-30.0 30.0-32.5 32.5-35.0										TOTAL OBSERVATIONS	
TOTAL		10-12.5 12.5-15.0 15.0-17.5 17.5-20.0 20.0-22.5 22.5-25.0 25.0-27.5 27.5-30.0 30.0-32.5 32.5-35.0										TOTAL OBSERVATIONS	
TOTAL		10-12.5 12.5-15.0 15.0-17.5 17.5-20.0 20.0-22.5 22.5-25.0 25.0-27.5 27.5-30.0 30.0-32.5 32.5-35.0										TOTAL OBSERVATIONS	
TOTAL		10-12.5 12.5-15.0 15.0-17.5 17.5-20.0 20.0-22.5 22.5-25.0 25.0-27.5 27.5-30.0 30.0-32.5 32.5-35.0										TOTAL OBSERVATIONS	
TOTAL		10-12.5 12.5-15.0 15.0-17.5 17.5-20.0 20.0-22.5 22.5-25.0 25.0-27.5 27.5-30.0 30.0-32.5 32.5-35.0										TOTAL OBSERVATIONS	
TOTAL		10-12.5 12.5-15.0 15.0-17.5 17.5-20.0 20.0-22.5 22.5-25.0 25.0-27.5 27.5-30.0 30.0-32.5 32.5-35.0										TOTAL OBSERVATIONS	
TOTAL		10-12.5 12.5-15.0 15.0-17.5 17.5-20.0 20.0-22.5 22.5-25.0 25.0-27.5 27.5-30.0 30.0-32.5 32.5-35.0										TOTAL OBSERVATIONS	
TOTAL		10-12.5 12.5-15.0 15.0-17.5 17.5-20.0 20.0-22.5 22.5-25.0 25.0-27.5 27.5-30.0 30.0-32.5 32.5-35.0										TOTAL OBSERVATIONS	
TOTAL		10-12.5 12.5-15.0 15.0-17.5 17.5-20.0 20.0-22.5 22.5-25.0 25.0-27.5 27.5-30.0 30.0-32.5 32.5-35.0										TOTAL OBSERVATIONS	
TOTAL		10-12.5 12.5-15.0 15.0-17.5 17.5-20.0 20.0-22.5 22.5-25.0 25.0-27.5 27.5-30.0 30.0-32.5 32.5-35.0										TOTAL OBSERVATIONS	
TOTAL		10-12.5 12.5-15.0 15.0-17.5 17.5-20.0 20.0-22.5 22.5-25.0 25.0-27.5 27.5-30.0 30.0-32.5 32.5-35.0										TOTAL OBSERVATIONS	
TOTAL		10-12.5 12.5-15.0 15.0-17.5 17.5-20.0 20.0-22.5 22.5-25.0 25.0-27.5 27.5-30.0 30.0-32.5 32.5-35.0										TOTAL OBSERVATIONS	
TOTAL		10-12.5 12.5-15.0 15.0-17.5 17.5-20.0 20.0-22.5 22.5-25.0 25.0-27.5 27.5-30.0 30.0-32.5 32.5-35.0										TOTAL OBSERVATIONS	
TOTAL		10-12.5 12.5-15.0 15.0-17.5 17.5-20.0 20.0-22.5 22.5-25.0 25.0-27.5 27.5-30.0 30.0-32.5 32.5-35.0										TOTAL OBSERVATIONS	
TOTAL		10-12.5 12.5-15.0 15.0-17.5 17.5-20.0 20.0-22.5 22.5-25.0 25.0-27.5 27.5-30.0 30.0-32.5 32.5-35.0										TOTAL OBSERVATIONS	
TOTAL		10-12.5 12.5-15.0 15.0-17.5 17.5-20.0 20.0-22.5 22.5-25.0 25.0-27.5 27.5-30.0 30.0-32.5 32.5-35.0										TOTAL OBSERVATIONS	
TOTAL		10-12.5 12.5-15.0 15.0-17.5 17.5-20.0 20.0-22.5 22.5-25.0 25.0-27.5 27.5-30.0 30.0-32.5 32.5-35.0										TOTAL OBSERVATIONS	
TOTAL		10-12.5 12.5-15.0 15.0-17.5 17.5-20.0 20.0-22.5 22.5-25.0 25.0-27.5 27.5-30.0 30.0-32.5 32.5-35.0										TOTAL OBSERVATIONS	
TOTAL		10-12.5 12.5-15.0 15.0-17.5 17.5-20.0 20.0-22.5 22.5-25.0 25.0-27.5 27.5-30.0 30.0-32.5 32.5-35.0										TOTAL OBSERVATIONS	
TOTAL		10-12.5 12.5-15.0 15.0-17.5 17.5-20.0 20.0-22.5 22.5-25.0 25.0-27.5 27.5-30.0 30.0-32.5 32.5-35.0										TOTAL OBSERVATIONS	
TOTAL		10-12.5 12.5-15.0 15.0-17.5 17.5-20.0 20.0-22.5 22.5-25.0 25.0-27.5 27.5-30.0 30.0-32.5 32.5-35.0										TOTAL OBSERVATIONS	
TOTAL		10-12.5 12.5-15.0 15.0-17.5 17.5-20.0 20.0-22.5 22.5-25.0 25.0-27.5 27.5-30.0 30.0-32.5 32.5-35.0										TOTAL OBSERVATIONS	
TOTAL		10-12.5 12.5-15.0 15.0-17.5 17.5-20.0 20.0-22.5 22.5-25.0 25.0-27.5 27.5-30.0 30.0-32.5 32.5-35.0										TOTAL OBSERVATIONS	
TOTAL		10-12.5 12.5-15.0 15.0-17.5 17.5-20.0 20.0-22.5 22.5-25.0 25.0-27.5 27.5-30.0 30.0-32.5 32.5-35.0										TOTAL OBSERVATIONS	
TOTAL		10-12.5 12.5-15.0 15.0-17.5 17.5-20.0 20.0-22.5 22.5-25.0 25.0-27.5 27.5-30.0 30.0-32.5 32.5-35.0										TOTAL OBSERVATIONS	
TOTAL		10-12.5 12.5-15.0 15.0-17.5 17.5-20.0 20.0-22.5 22.5-25.0 25.0-27.5 27.5-30.0 30.0-32.5 32.5-35.0										TOTAL OBSERVATIONS	
TOTAL		10-12.5 12.5-15.0 15.0-17.5 17.5-20.0 20.0-22.5 22.5-25.0 25.0-27.5 27.5-30.0 30.0-32.5 32.5-35.0										TOTAL OBSERVATIONS	
TOTAL		10-12.5 12.5-15.0 15.0-17.5 17.5-20.0 20.0-22.5 22.5-25.0 25.0-27.5 27.5-30.0 30.0-32.5 32.5-35.0										TOTAL OBSERVATIONS	
TOTAL		10-12.5 12.5-15.0 15.0-17.5 17.5-20.0 20.0-22.5 22.5-25.0 25.0-27.5 27.5-30.0 30.0-32.5 32.5-35.0										TOTAL OBSERVATIONS	
TOTAL		10-12.5 12.5-15.0 15.0-17.5 17.5-20.0 20.0-22.5 22.5-25.0 25.0-27.5 27.5-30.0 30.0-32.5 32.5-35.0										TOTAL OBSERVATIONS	
TOTAL		10-12.5 12.5-15.0 15.0-17.5 17.5-20.0 20.0-22.5 22.5-25.0 25.0-27.5 27.5-30.0 30.0-32.5 32.5-35.0										TOTAL OBSERVATIONS	
TOTAL		10-12.5 12.5-15.0 15.0-17.5 17.5-20.0 20.0-22.5 22.5-25.0 25.0-27.5 27.5-30.0 30.0-32.5 32.5-35.0										TOTAL OBSERVATIONS	
TOTAL		10-12.5 12.5-15.0 15.0-17.5 17.5-20.0 20.0-22.5 22.5-25.0 25.0-27.5 27.5-30.0 30.0-32.5 32.5-35.0										TOTAL OBSERVATIONS	
TOTAL		10-12.5 12.5-15.0 15.0-17.5 17.5-20.0 20.0-22.5 22.5-25.0 25.0-27.5 27.5-30.0 30.0-32.5 32.5-35.0										TOTAL OBSERVATIONS	
TOTAL		10-12.5 12.5-15.0 15.0-17.5 17.5-20.0 20.0-22.5 22.5-25.0 25.0-27.5 27.5-30.0 30.0-32.5 32.5-35.0										TOTAL OBSERVATIONS	
TOTAL		10-12.5 12.5-15.0 15.0-17.5 17.5-20.0 20.0-22.5 22.5-25.0 25.0-27.5 27.5-30.0 30.0-32.5 32.5-35.0										TOTAL OBSERVATIONS	
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TOTAL		10-12.5 12.5-15.0 15.0-17.5 17.5-20.0 20.0-22.5 22.5-25.0 25.0-27.5 27.5-30.0 30.0-32.5 32.5-35.0										TOTAL OBSERVATIONS	
TOTAL		10-12.5 12.5-15.0 15.0-17.5 17.5-20.0 20.0-22.5 22.5-25.0 25.0-27.5 27.5-30.0 30.0-32.5 32.5-35.0										TOTAL OBSERVATIONS	
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TOTAL		10-12.5 12.5-15.0 15.0-17.5 17.5-20.0 20.0-22.5 22.5-25.0 25.0-27.5 27.5-30.0 30.0-32.5 32.5-35.0											

OCONEE LOW LEVEL  
SUMMARY OF PASOUILLE A-C-E-T-T-F-A-B

FOR J17/2  
WIND OCCURRENCES BY SECTION • SPEED CLASS (NO. OCCURRENCE PERCENT)  
DATE OF REPORT 4-14-76

MINOR	SECTION	ITEM	WIND SPEED CLASS									
			1.0-3.2	3.3-5.5	5.6-7.8	7.9-10.1	10.2-12.3	12.4-14.5	14.6-16.7	16.8-19.0	19.1-21.2	21.3-23.4
			45-149	15-249	25-349	35-449	45-549	55-649	65-749	75-849	85-949	95-1049
360.0	NO	8.0	590	538	124	14	0.04	0.03	0.01	0.00	0.00	0.01
360.0	PCT	10.80										
22.5	NO	450	176	168	86	15	0.05	0.00	0.00	0.00	0.00	0.01
22.5	PCT	5.09	2.24									
45.0	NO	645	137	196	176	75	0.21	0.13	0.00	0.00	0.00	0.00
45.0	PCT	8.59	1.82	2.61								
67.5	NO	491	577	142	122	98	0.51	0.13	0.07	0.01	0.00	0.00
67.5	PCT	6.54	0.97	1.62								
90.0	NO	385	72	167	96	31	0.16	0.07	0.00	0.00	0.01	0.01
90.0	PCT	5.73	0.96	2.22	1.28							
112.5	NO	231	66	100	43	16	0.03	0.04	0.01	0.00	0.00	0.00
112.5	PCT	3.04	0.40	1.33	0.57							
135.0	NO	281	49	136	57	0.08	0.01	0.04	0.03	0.01	0.01	0.01
135.0	PCT	3.81	1.18	1.76	0.87							
157.5	NO	376	92	194	96	0.37	0.04	0.04	0.00	0.03	0.00	0.00
157.5	PCT	5.03	1.22	1.94	1.00							
180.0	NO	468	107	164	139	35	0.21	0.04	0.03	0.01	0.00	0.00
180.0	PCT	6.23	1.42	2.16	1.85							
202.5	NO	571	96	169	167	74	0.67	0.11	0.03	0.03	0.00	0.01
202.5	PCT	7.60	1.24	2.24	2.22							
225.0	NO	648	103	156	155	56	0.31	0.07	0.17	0.05	0.01	0.01
225.0	PCT	8.63	1.57	2.72	2.04							
247.5	NO	429	105	128	91	36	0.26	0.04	0.11	0.01	0.03	0.01
247.5	PCT	5.87	1.45	1.70	1.21							
270.0	NO	454	134	170	57	33	0.44	0.37	0.12	0.11	0.07	0.07
270.0	PCT	6.05	1.84	2.34	0.76							
292.5	NO	416	134	81	34	47	0.63	0.29	0.33	0.17	0.11	0.05
292.5	PCT	5.54	1.74	1.05	0.45							
315.0	NO	372	125	125	12	24	0.29	0.32	0.24	0.04	0.03	0.00
315.0	PCT	4.95	2.05	1.88	0.25							
337.5	NO	452	205	197	46	19	0.64	0.01	0.00	0.00	0.00	0.00
337.5	PCT	6.02	2.71	2.62	0.43							
CALM	NO	26										
CALM	PCT	0.34										
TOTAL	NO	7484	2047	2453	1357	646	341	191	75	36	0.29	0.21
TOTAL	PCT	99	27.26	35.33	19.43	8.00	4.54	2.54	1.00	0.48	0.29	0.21
AVERAGE WIND SPEED 5.42												
TOTAL OBSERVATIONS 8760												

[illegible]

SUMMARY OF PASQUILL C										FOR 1975		DATE OF REPORT	
OCCURENCE HIGH LEVEL										WIND OCCURRENCES BY SECTOR + SPEED CLASS (NO. OCCURR, PERCENT)		5-18-76	
WIND OCCURRENCES BY SECTOR + SPEED CLASS										WIND SPEED CLASS		12-8-14.5	
WIND OCCURRENCES BY SECTOR + SPEED CLASS										WIND SPEED CLASS		10-1-12.3	
WIND OCCURRENCES BY SECTOR + SPEED CLASS										WIND SPEED CLASS		7-5-8.49	
WIND OCCURRENCES BY SECTOR + SPEED CLASS										WIND SPEED CLASS		5-5-6.48	
WIND OCCURRENCES BY SECTOR + SPEED CLASS										WIND SPEED CLASS		3-3-5.5	
WIND OCCURRENCES BY SECTOR + SPEED CLASS										WIND SPEED CLASS		1.5-2.49	
WIND OCCURRENCES BY SECTOR + SPEED CLASS										WIND SPEED CLASS		1.5-2.49	
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SUMMARY OF PASQUILL D										WIND OCCURRENCES BY SECTOR • SPEED CLASS (NO. OCCURR. PERCENT)										DATE OF REPORT	
OCCURRANCE HIGH LEVEL										FOR 1975											
WIND																					
SECTOR																					
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WIND	SECTOR	1.0-3.2	3.3-5.5	5.6-7.8	7.9-10.0	10.1-12.3	12.4-14.5	14.6-16.7	16.8-19.0	19.1-21.2	21.3-23.4	23.5-25.6	25.7-27.8	27.9-30.0	30.1-32.2	32.3-34.4	34.5-36.6	36.7-38.8	38.9-41.0	41.1-43.2	43.3-45.4	45.5-47.6	47.7-49.8	49.9-52.0	52.1-54.2	54.3-56.4	56.5-58.6	58.7-60.8	60.9-63.0	63.1-65.2	65.3-67.4	67.5-69.6	69.7-71.8	71.9-74.0	74.1-76.2	76.3-78.4	78.5-80.6	80.7-82.8	82.9-85.0	85.1-87.2	87.3-89.4	89.5-91.6	91.7-93.8	93.9-96.0	96.1-98.2	98.3-100.4	100.5-102.6	102.7-104.8	104.9-107.0	107.1-109.2	109.3-111.4	111.5-113.6	113.7-115.8	115.9-118.0	118.1-120.2	120.3-122.4	122.5-124.6	124.7-126.8	126.9-129.0	129.1-131.2	131.3-133.4	133.5-135.6	135.7-137.8	137.9-140.0	140.1-142.2	142.3-144.4	144.5-146.6	146.7-148.8	148.9-151.0	151.1-153.2	153.3-155.4	155.5-157.6	157.7-159.8	159.9-162.0	162.1-164.2	164.3-166.4	166.5-168.6	168.7-170.8	170.9-173.0	173.1-175.2	175.3-177.4	177.5-179.6	179.7-181.8	181.9-184.0	184.1-186.2	186.3-188.4	188.5-190.6	190.7-192.8	192.9-195.0	195.1-197.2	197.3-199.4	199.5-201.6	201.7-203.8	203.9-206.0	206.1-208.2	208.3-210.4	210.5-212.6	212.7-214.8	214.9-217.0	217.1-219.2	219.3-221.4	221.5-223.6	223.7-225.8	225.9-228.0	228.1-230.2	230.3-232.4	232.5-234.6	234.7-236.8	236.9-239.0	239.1-241.2	241.3-243.4	243.5-245.6	245.7-247.8	247.9-250.0	250.1-252.2	252.3-254.4	254.5-256.6	256.7-258.8	258.9-261.0	261.1-263.2	263.3-265.4	265.5-267.6	267.7-269.8	269.9-272.0	272.1-274.2	274.3-276.4	276.5-278.6	278.7-280.8	280.9-283.0	283.1-285.2	285.3-287.4	287.5-289.6	289.7-291.8	291.9-294.0	294.1-296.2	296.3-298.4	298.5-300.6	300.7-302.8	302.9-305.0	305.1-307.2	307.3-309.4	309.5-311.6	311.7-313.8	313.9-316.0	316.1-318.2	318.3-320.4	320.5-322.6	322.7-324.8	324.9-327.0	327.1-329.2	329.3-331.4	331.5-333.6	333.7-335.8	335.9-338.0	338.1-340.2	340.3-342.4	342.5-344.6	344.7-346.8	346.9-349.0	349.1-351.2	351.3-353.4	353.5-355.6	355.7-357.8	357.9-360.0	360.1-362.2	362.3-364.4	364.5-366.6	366.7-368.8	368.9-371.0	371.1-373.2	373.3-375.4	375.5-377.6	377.7-379.8	379.9-382.0	382.1-384.2	384.3-386.4	386.5-388.6	388.7-390.8	390.9-393.0	393.1-395.2	395.3-397.4	397.5-399.6	399.7-401.8	401.9-404.0	404.1-406.2	406.3-408.4	408.5-410.6	410.7-412.8	412.9-415.0	415.1-417.2	417.3-419.4	419.5-421.6	421.7-423.8	423.9-426.0	426.1-428.2	428.3-430.4	430.5-432.6	432.7-434.8	434.9-437.0	437.1-439.2	439.3-441.4	441.5-443.6	443.7-445.8	445.9-448.0	448.1-450.2	450.3-452.4	452.5-454.6	454.7-456.8	456.9-459.0	459.1-461.2	461.3-463.4	463.5-465.6	465.7-467.8	467.9-470.0	470.1-472.2	472.3-474.4	474.5-476.6	476.7-478.8	478.9-481.0	481.1-483.2	483.3-485.4	485.5-487.6	487.7-489.8	489.9-492.0	492.1-494.2	494.3-496.4	496.5-498.6	498.7-500.8	500.9-503.0	503.1-505.2	505.3-507.4	507.5-509.6	509.7-511.8	511.9-514.0	514.1-516.2	516.3-518.4	518.5-520.6	520.7-522.8	522.9-525.0	525.1-527.2	527.3-529.4	529.5-531.6	531.7-533.8	533.9-536.0	536.1-538.2	538.3-540.4	540.5-542.6	542.7-544.8	544.9-547.0	547.1-549.2	549.3-551.4	551.5-553.6	553.7-555.8	555.9-558.0	558.1-560.2	560.3-562.4	562.5-564.6	564.7-566.8	566.9-569.0	569.1-571.2	571.3-573.4	573.5-575.6	575.7-577.8	577.9-579.8	579.9-582.0	582.1-584.2	584.3-586.4	586.5-588.6	588.7-590.8	590.9-593.0	593.1-595.2	595.3-597.4	597.5-599.6	599.7-601.8	601.9-604.0	604.1-606.2	606.3-608.4	608.5-610.6	610.7-612.8	612.9-615.0	615.1-617.2	617.3-619.4	619.5-621.6	621.7-623.8	623.9-626.0	626.1-628.2	628.3-630.4	630.5-632.6	632.7-634.8	634.9-637.0	637.1-639.2	639.3-641.4	641.5-643.6	643.7-645.8	645.9-648.0	648.1-650.2	650.3-652.4	652.5-654.6	654.7-656.8	656.9-659.0	659.1-661.2	661.3-663.4	663.5-665.6	665.7-667.8	667.9-670.0	670.1-672.2	672.3-674.4	674.5-676.6	676.7-678.8	678.9-681.0	681.1-683.2	683.3-685.4	685.5-687.6	687.7-689.8	689.9-692.0	692.1-694.2	694.3-696.4	696.5-698.6	698.7-700.8	700.9-703.0	703.1-705.2	705.3-707.4	707.5-709.6	709.7-711.8	711.9-714.0	714.1-716.2	716.3-718.4	718.5-720.6	720.7-722.8	722.9-725.0	725.1-727.2	727.3-729.4	729.5-731.6	731.7-733.8	733.9-736.0	736.1-738.2	738.3-740.4	740.5-742.6	742.7-744.8	744.9-747.0	747.1-749.2	749.3-751.4	751.5-753.6	753.7-755.8	755.9-758.0	758.1-760.2	760.3-762.4	762.5-764.6	764.7-766.8	766.9-769.0	769.1-771.2	771.3-773.4	773.5-775.6	775.7-777.8	777.9-780.0	780.1-782.2	782.3-784.4	784.5-786.6	786.7-788.8	788.9-791.0	791.1-793.2	793.3-795.4	795.5-797.6	797.7-799.8	799.9-802.0	802.1-804.2	804.3-806.4	806.5-808.6	808.7-810.8	810.9-813.0	813.1-815.2	815.3-817.4	817.5-819.6	819.7-821.8	821.9-824.0	824.1-826.2	826.3-828.4	828.5-830.6	830.7-832.8	832.9-835.0	835.1-837.2	837.3-839.4	839.5-841.6	841.7-843.8	843.9-846.0	846.1-848.2	848.3-850.4	850.5-852.6	852.7-854.8	854.9-857.0	857.1-859.2	859.3-861.4	861.5-863.6	863.7-865.8	865.9-868.0	868.1-870.2	870.3-872.4	872.5-874.6	874.7-876.8	876.9-879.0	879.1-881.2	881.3-883.4	883.5-885.6	885.7-887.8	887.9-890.0	890.1-892.2	892.3-894.4	894.5-896.6	896.7-898.8	898.9-901.0	901.1-903.2	903.3-905.4	905.5-907.6	907.7-909.8	909.9-912.0	912.1-914.2	914.3-916.4	916.5-918.6	918.7-920.8	920.9-923.0	923.1-925.2	925.3-927.4	927.5-929.6	929.7-931.8	931.9-934.0	934.1-936.2	936.3-938.4	938.5-940.6	940.7-942.8	942.9-945.0	945.1-947.2	947.3-949.4	949.5-951.6	951.7-953.8	953.9-956.0	956.1-958.2	958.3-960.4	960.5-962.6	962.7-964.8	964.9-967.0	967.1-969.2	969.3-971.4	971.5-973.6	973.7-975.8	975.9-978.0	978.1-980.2	980.3-982.4	982.5-984.6	984.7-986.8	986.9-989.0	989.1-991.2	991.3-993.4	993.5-995.6	995.7-997.8	997.9-1000.0	1000.1-1002.2	1002.3-1004.4	1004.5-1006.6	1006.7-1008.8	1008.9-1011.0	1011.1-1013.2	1013.3-1015.4	1015.5-1017.6	1017.7-1019.8	1019.9-1022.0	1022.1-1024.2	1024.3-1026.4	1026.5-1028.6	1028.7-1030.8	1030.9-1033.0	1033.1-1035.2	1035.3-1037.4	1037.5-1039.6	1039.7-1041.8	1041.9-1044.0	1044.1-1046.2	1046.3-1048.4	1048.5-1050.6	1050.7-1052.8	1052.9-1055.0	1055.1-1057.2	1057.3-1059.4	1059.5-1061.6	1061.7-1063.8	1063.9-1066.0	1066.1-1068.2	1068.3-1070.4	1070.5-1072.6	1072.7-1074.8	1074.9-1077.0	1077.1-1079.2	1079.3-1081.4	1081.5-1083.6	1083.7-1085.8	1085.9-1088.0	1088.1-1090.2	1090.3-1092.4	1092.5-1094.6	1094.7-1096.8	1096.9-1099.0	1099.1-1101.2	1101.3-1103.4	1103.5-1105.6	1105.7-1107.8	1107.9-1110.0	1110.1-1112.2	1112.3-1114.4	1114.5-1116.6	1116.7-1118.8	1118.9-1121.0	1121.1-1123.2	1123.3-1125.4	1125.5-1127.6	1127.7-1129.8	1129.9-1132.0	1132.1-1134.2	1134.3-1136.4	1136.5-1138.6	1138.7-1140.8	1140.9-1143.0	1143.1-1145.2	1145.3-1147.4	1147.5-1149.6	1149.7-1151.8	1151.9-1154.0	1154.1-1156.2	1156.3-1158.4	1158.5-1160.6	1160.7-1162.8	1162.9-1165.0	1165.1-1167.2	1167.3-1169.4	1169.5-1171.6	1171.7-1173.8	1173.9-1176.0	1176.1-1178.2	1178.3-1180.4	1180.5-1182.6	1182.7-1184.8	1184.9-1187.0	1187.1-1189.2	1189.3-1191.4	1191.5-1193.6	1193.7-1195.8	1195.9-1198.0	1198.1-1200.2	1200.3-1202.4	1202.5-1204.6	1204.7-1206.8	1206.9-1209.0	1209.1-1211.2	1211.3-1213.4	1213.5-1215.6	1215.7-1217.8	1217.9-1220.0	1220.1-1222.2	1222.3-1224.4	1224.5-1226.6	1226.7-1228.8	1228.9-1231.0	1231.1-1233.2	1233.3-1235.4	1235.5-1237.6	1237.7-1239.8	1239.9-1242.0	1242.1-1244.2	1244.3-1246.4	1246.5-1248.6	1248.7-1250.8	1250.9-1253.0	1253.1-1255.2	1255.3-1257.4	1257.5-1259.6	1259.7-1261.8	1261.9-1264.0	1264.1-1266.2	1266.3-1268.4	1268.5-1270.6	1270.7-1272.8	1272.9-1275.0	1275.1-1277.2	1277.3-1279.4	1279.5-1281.6	1281.7-1283.8	1283.9-1286.0	1286.1-1288.2	1288.3-1290.4	1290.5-1292.6	1292.7-1294.8	1294.9-1297.0	1297.1-1299.2	1299.3-1301.4	1301.5-1303.6	1303.7-1305.8	1305.9-1308.0	1308.1-1310.2	1310.3-1312.4	1312.5-1314.6	1314.7-1316.8	1316.9-1319.0	1319.1-1321.2	1321.3-1323.4	1323.5-1325.6	1325.7-1327.8	1327.9-1330.0	1330.1-1332.2	1332.3-1334.4	1334.5-1336.6	1336.7-1338.8	1338.9-1341.0	1341.1-1343.2	1343.3-1345.4	1345.5-1347.6	1347.7-1349.8	1349.9-1352.0	1352.1-1354.2	1354.3-1356.4	1356.5-1358.6	1358.7-1360.8	1360.9-1363.0	1363.1-1365.2	1365.3-1367.4	1367.5-1369.6	1369.7-1371.8	1371.9-1374.0	1374.1-1376.2	1376.3-1378.4	1378.5-1380.6	1380.7-1382.8	1382.9-1385.0	1385.1-1387.2	1387.3-1389.4	1389.5-1391.6	1391.7-1393.8	1393.9-1396.0	1396.1-1398.2	1398.3-1400.4	1400.5-1402.6	1402.7-1404.8	1404.9-1407.0	1407.1-1409.2	1409.3-1411.4	1411.5-1413.6	1413.7-1415.8	1415.9-1418.0	1418.1-1420.2	1420.3-1422.4	1422.5-1424.6	1424.7-1426.8	1426.9-1429.0	1429.1-1431.2	1431.3-1433.4	1433.5-1435.6	1435.7-1437.8	1437.9-1440.0	1440.1-1442.2	1442.3-1444.4	1444.5-1446.6	1446.7-1448.8	1448.9-1451.0	1451.1-1453.2	1453.3-1455.4	1455.5-1457.6	1457.7-1459.8	1459.9-1462.0	1462.1-1464.2	1464.3-1466.4	1466.5-1468.6	1468.7-1470.8	1470.9-1473.0	1473.1-1475.2	1475.3-1477.4	1477.5-1479.6	1479.7-1481.8	1481.9-1484.0	14

SUMMARY OF PASQUILL F									
OCONEE HIGH LEVEL									
WIND OCCURRENCES BY SECTOR + SPEED CLASS (NO. OCCUR., PERCENT)									
FOR 1975									
DATE OF REPORT 5-18-76									
WIND	SECTOR	10-3-2	3-3-5-5	5-5-7-8	7-9-10-0	10-1-12-3	12-4-14-5	14-6-16-7	16-8-19-0
ITEM	TOTAL	10-3-2	3-3-5-5	5-5-7-8	7-9-10-0	10-1-12-3	12-4-14-5	14-6-16-7	16-8-19-0
NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
PCT	PCT	PCT	PCT	PCT	PCT	PCT	PCT	PCT	PCT
300.0	NO	314	1.26	1.10	0.32	0.05	0.00	0.01	0.00
300.0	PCT	4.18	1.26	1.10	0.32	0.05	0.00	0.01	0.00
225.0	NO	116	0.31	0.40	0.24	0.05	0.00	0.00	0.00
225.0	PCT	1.34	0.31	0.40	0.24	0.05	0.00	0.00	0.00
150.0	NO	191	0.23	0.56	0.23	0.34	0.14	0.07	0.01
150.0	PCT	2.54	0.23	0.56	0.23	0.34	0.14	0.07	0.01
125.0	NO	104	0.12	0.28	0.15	0.31	0.09	0.03	0.00
125.0	PCT	1.41	0.12	0.28	0.15	0.31	0.09	0.03	0.00
90.0	NO	175	0.13	0.38	0.08	0.07	0.02	0.01	0.00
90.0	PCT	1.05	0.13	0.38	0.08	0.07	0.02	0.01	0.00
112.5	NO	53	0.14	0.21	0.13	0.04	0.00	0.01	0.00
112.5	PCT	0.73	0.14	0.21	0.13	0.04	0.00	0.01	0.00
135.0	NO	52	0.11	0.20	0.07	0.03	0.00	0.01	0.01
135.0	PCT	0.62	0.11	0.20	0.07	0.03	0.00	0.01	0.01
157.5	NO	83	0.10	0.27	0.17	0.09	0.01	0.01	0.00
157.5	PCT	1.11	0.10	0.27	0.17	0.09	0.01	0.01	0.00
180.0	NO	185	0.17	0.18	0.23	0.12	0.03	0.00	0.00
180.0	PCT	1.15	0.17	0.18	0.23	0.12	0.03	0.00	0.00
202.5	NO	58	0.11	0.17	0.09	0.04	0.06	0.03	0.01
202.5	PCT	0.77	0.11	0.17	0.09	0.04	0.06	0.03	0.01
225.0	NO	62	0.16	0.21	0.12	0.05	0.05	0.01	0.00
225.0	PCT	0.62	0.16	0.21	0.12	0.05	0.05	0.01	0.00
247.5	NO	58	0.13	0.23	0.11	0.07	0.05	0.00	0.00
247.5	PCT	0.78	0.13	0.23	0.11	0.07	0.05	0.00	0.00
270.0	NO	68	0.28	0.37	0.08	0.05	0.05	0.01	0.00
270.0	PCT	0.91	0.28	0.37	0.08	0.05	0.05	0.01	0.00
292.5	NO	192	0.29	0.58	0.09	0.12	0.09	0.03	0.00
292.5	PCT	1.36	0.29	0.58	0.09	0.12	0.09	0.03	0.00
315.0	NO	114	0.39	0.59	0.16	0.04	0.05	0.03	0.00
315.0	PCT	1.14	0.39	0.59	0.16	0.04	0.05	0.03	0.00
337.5	NO	174	0.42	0.99	0.31	0.08	0.01	0.00	0.00
337.5	PCT	2.32	0.42	0.99	0.31	0.08	0.01	0.00	0.00
CALM	NO	3	0.04	0.07	0.00	0.00	0.00	0.00	0.00
CALM	PCT	0.04	0.04	0.07	0.00	0.00	0.00	0.00	0.00
TOTAL	NO	22.84	4.34	6.22	3.74	2.59	1.14	0.72	0.31
TOTAL	PCT	22.84	4.34	6.22	3.74	2.59	1.14	0.72	0.31
AVERAGE WIND SPEED 6.01									
TOTAL VALID OBSERVATIONS 7510									
TOTAL OBSERVATIONS 8760									

SUMMARY OF PASQUILL G										WIND OCCURRENCES BY SECTOR • SPEED CLASS (NO. OCCURR. PERCENT)										FOR 1975 DATE OF REPORT 5-18-76																																																																																													
WIND		SECTOR		TOTAL		1.0-3.2		3.3-5.5		5.6-7.8		7.9-10.0		10.1-12.3		12.4-14.5		14.6-16.7		16.8-19.0		19.1-21.2		21.3-23.4		23.5-25.6		25.7-27.8		27.9-29.0		29.1-31.2		31.3-33.4		33.5-35.6		35.7-37.8		37.9-39.0		39.1-41.2		41.3-43.4		43.5-45.6		45.7-47.8		47.9-49.0		49.1-51.2		51.3-53.4		53.5-55.6		55.7-57.8		57.9-59.0		59.1-61.2		61.3-63.4		63.5-65.6		65.7-67.8		67.9-69.0		69.1-71.2		71.3-73.4		73.5-75.6		75.7-77.8		77.9-79.0		79.1-81.2		81.3-83.4		83.5-85.6		85.7-87.8		87.9-89.0		89.1-91.2		91.3-93.4		93.5-95.6		95.7-97.8		97.9-99.0		99.1-100.0		TOTAL		OBSERVATIONS		7510		TOTAL OBSERVATIONS		8760	
WIND		SECTOR		TOTAL		1.0-3.2		3.3-5.5		5.6-7.8		7.9-10.0		10.1-12.3		12.4-14.5		14.6-16.7		16.8-19.0		19.1-21.2		21.3-23.4		23.5-25.6		25.7-27.8		27.9-29.0		29.1-31.2		31.3-33.4		33.5-35.6		35.7-37.8		37.9-39.0		39.1-41.2		41.3-43.4		43.5-45.6		45.7-47.8		47.9-49.0		49.1-51.2		51.3-53.4		53.5-55.6		55.7-57.8		57.9-59.0		59.1-61.2		61.3-63.4		63.5-65.6		65.7-67.8		67.9-69.0		69.1-71.2		71.3-73.4		73.5-75.6		75.7-77.8		77.9-79.0		79.1-81.2		81.3-83.4		83.5-85.6		85.7-87.8		87.9-89.0		89.1-91.2		91.3-93.4		93.5-95.6		95.7-97.8		97.9-99.0		99.1-100.0		TOTAL		OBSERVATIONS		7510		TOTAL OBSERVATIONS		8760	
WIND		SECTOR		TOTAL		1.0-3.2		3.3-5.5		5.6-7.8		7.9-10.0		10.1-12.3		12.4-14.5		14.6-16.7		16.8-19.0		19.1-21.2		21.3-23.4		23.5-25.6		25.7-27.8		27.9-29.0		29.1-31.2		31.3-33.4		33.5-35.6		35.7-37.8		37.9-39.0		39.1-41.2		41.3-43.4		43.5-45.6		45.7-47.8		47.9-49.0		49.1-51.2		51.3-53.4		53.5-55.6		55.7-57.8		57.9-59.0		59.1-61.2		61.3-63.4		63.5-65.6		65.7-67.8		67.9-69.0		69.1-71.2		71.3-73.4		73.5-75.6		75.7-77.8		77.9-79.0		79.1-81.2		81.3-83.4		83.5-85.6		85.7-87.8		87.9-89.0		89.1-91.2		91.3-93.4		93.5-95.6		95.7-97.8		97.9-99.0		99.1-100.0		TOTAL		OBSERVATIONS		7510		TOTAL OBSERVATIONS		8760	
WIND		SECTOR		TOTAL		1.0-3.2		3.3-5.5		5.6-7.8		7.9-10.0		10.1-12.3		12.4-14.5		14.6-16.7		16.8-19.0		19.1-21.2		21.3-23.4		23.5-25.6		25.7-27.8		27.9-29.0		29.1-31.2		31.3-33.4		33.5-35.6		35.7-37.8		37.9-39.0		39.1-41.2		41.3-43.4		43.5-45.6		45.7-47.8		47.9-49.0		49.1-51.2		51.3-53.4		53.5-55.6		55.7-57.8		57.9-59.0		59.1-61.2		61.3-63.4		63.5-65.6		65.7-67.8		67.9-69.0		69.1-71.2		71.3-73.4		73.5-75.6		75.7-77.8		77.9-79.0		79.1-81.2		81.3-83.4		83.5-85.6		85.7-87.8		87.9-89.0		89.1-91.2		91.3-93.4		93.5-95.6		95.7-97.8		97.9-99.0		99.1-100.0		TOTAL		OBSERVATIONS		7510		TOTAL OBSERVATIONS		8760	
WIND		SECTOR		TOTAL		1.0-3.2		3.3-5.5		5.6-7.8		7.9-10.0		10.1-12.3		12.4-14.5		14.6-16.7		16.8-19.0		19.1-21.2		21.3-23.4		23.5-25.6		25.7-27.8		27.9-29.0		29.1-31.2		31.3-33.4		33.5-35.6		35.7-37.8		37.9-39.0		39.1-41.2		41.3-43.4		43.5-45.6		45.7-47.8		47.9-49.0		49.1-51.2		51.3-53.4		53.5-55.6		55.7-57.8		57.9-59.0		59.1-61.2		61.3-63.4		63.5-65.6		65.7-67.8		67.9-69.0		69.1-71.2		71.3-73.4		73.5-75.6		75.7-77.8		77.9-79.0		79.1-81.2		81.3-83.4		83.5-85.6		85.7-87.8		87.9-89.0		89.1-91.2		91.3-93.4		93.5-95.6		95.7-97.8		97.9-99.0		99.1-100.0		TOTAL		OBSERVATIONS		7510		TOTAL OBSERVATIONS		8760	
WIND		SECTOR		TOTAL		1.0-3.2		3.3-5.5		5.6-7.8		7.9-10.0		10.1-12.3		12.4-14.5		14.6-16.7		16.8-19.0		19.1-21.2		21.3-23.4		23.5-25.6		25.7-27.8		27.9-29.0		29.1-31.2		31.3-33.4		33.5-35.6		35.7-37.8		37.9-39.0		39.1-41.2		41.3-43.4		43.5-45.6		45.7-47.8		47.9-49.0		49.1-51.2		51.3-53.4		53.5-55.6		55.7-57.8		57.9-59.0		59.1-61.2		61.3-63.4		63.5-65.6		65.7-67.8		67.9-69.0		69.1-71.2		71.3-73.4		73.5-75.6		75.7-77.8		77.9-79.0		79.1-81.2		81.3-83.4		83.5-85.6		85.7-87.8		87.9-89.0		89.1-91.2		91.3-93.4		93.5-95.6		95.7-97.8		97.9-99.0		99.1-100.0		TOTAL		OBSERVATIONS		7510		TOTAL OBSERVATIONS		8760	
WIND		SECTOR		TOTAL		1.0-3.2		3.3-5.5		5.6-7.8		7.9-10.0		10.1-12.3		12.4-14.5		14.6-16.7		16.8-19.0		19.1-21.2		21.3-23.4		23.5-25.6		25.7-27.8		27.9-29.0		29.1-31.2		31.3-33.4		33.5-35.6		35.7-37.8		37.9-39.0		39.1-41.2		41.3-43.4		43.5-45.6		45.7-47.8		47.9-49.0		49.1-51.2		51.3-53.4		53.5-55.6		55.7-57.8		57.9-59.0		59.1-61.2		61.3-63.4		63.5-65.6		65.7-67.8		67.9-69.0		69.1-71.2		71.3-73.4		73.5-75.6		75.7-77.8		77.9-79.0		79.1-81.2		81.3-83.4		83.5-85.6		85.7-87.8		87.9-89.0		89.1-91.2		91.3-93.4		93.5-95.6		95.7-97.8		97.9-99.0		99.1-100.0		TOTAL		OBSERVATIONS		7510		TOTAL OBSERVATIONS		8760	
WIND		SECTOR		TOTAL		1.0-3.2		3.3-5.5		5.6-7.8		7.9-10.0		10.1-12.3		12.4-14.5		14.6-16.7		16.8-19.0		19.1-21.2		21.3-23.4		23.5-25.6		25.7-27.8		27.9-29.0		29.1-31.2		31.3-33.4		33.5-35.6		35.7-37.8		37.9-39.0		39.1-41.2		41.3-43.4		43.5-45.6		45.7-47.8		47.9-49.0		49.1-51.2		51.3-53.4		53.5-55.6		55.7-57.8		57.9-59.0		59.1-61.2		61.3-63.4		63.5-65.6		65.7-67.8		67.9-69.0		69.1-71.2		71.3-73.4		73.5-75.6		75.7-77.8		77.9-79.0		79.1-81.2		81.3-83.4		83.5-85.6		85.7-87.8		87.9-89.0		89.1-91.2		91.3-93.4		93.5-95.6		95.7-97.8		97.9-99.0		99.1-100.0		TOTAL		OBSERVATIONS		7510		TOTAL OBSERVATIONS		8760	
WIND		SECTOR		TOTAL		1.0-3.2		3.3-5.5		5.6-7.8		7.9-10.0		10.1-12.3		12.4-14.5		14.6-16.7		16.8-19.0		19.1-21.2		21.3-23.4		23.5-25.6		25.7-27.8		27.9-29.0		29.1-31.2		31.3-33.4		33.5-35.6		35.7-37.8		37.9-39.0		39.1-41.2		41.3-43.4		43.5-45.6		45.7-47.8		47.9-49.0		49.1-51.2		51.3-53.4		53.5-55.6		55.7-57.8		57.9-59.0		59.1-61.2		61.3-63.4		63.5-65.6		65.7-67.8		67.9-69.0		69.1-71.2		71.3-73.4		73.5-75.6		75.7-77.8		77.9-79.0		79.1-81.2		81.3-83.4		83.5-85.6		85.7-87.8		87.9-89.0		89.1-91.2		91.3-93.4		93.5-95.6		95.7-97.8		97.9-99.0		99.1-100.0		TOTAL		OBSERVATIONS		7510		TOTAL OBSERVATIONS		8760	
WIND		SECTOR		TOTAL		1.0-3.2		3.3-5.5		5.6-7.8		7.9-10.0		10.1-12.3		12.4-14.5		14.6-16.7		16.8-19.0		19.1-21.2		21.3-23.4		23.5-25.6		25.7-27.8		27.9-29.0		29.1-31.2		31.3-33.4		33.5-35.6		35.7-37.8		37.9-39.0		39.1-41.2		41.3-43.4		43.5-45.6		45.7-47.8		47.9-49.0		49.1-51.2		51.3-53.4		53.5-55.6		55.7-57.8		57.9-59.0		59.1-61.2		61.3-63.4		63.5-65.6		65.7-67.8		67.9-69.0		69.1-71.2		71.3-73.4		73.5-75.6		75.7-77.8		77.9-79.0		79.1-81.2		81.3-83.4		83.5-85.6		85.7-87.8		87.9-89.0		89.1-91.2		91.3-93.4		93.5-95.6		95.7-97.8		97.9-99.0		99.1-100.0		TOTAL		OBSERVATIONS		7510		TOTAL OBSERVATIONS		8760	
WIND		SECTOR		TOTAL		1.0-3.2		3.3-5.5		5.6-7.8		7.9-10.0		10.1-12.3		12.4-14.5		14.6-16.7		16.8-19.0		19.1-21.2		21.3-23.4		23.5-25.6		25.7-27.8		27.9-29.0		29.1-31.2		31.3-33.4		33.5-35.6		35.7-37.8		37.9-39.0		39.1-41.2		41.3-43.4		43.5-45.6		45.7-47.8		47.9-49.0		49.1-51.2		51.3-53.4		53.5-55.6		55.7-57.8		57.9-59.0		59.1-61.2		61.3-63.4		63.5-65.6		65.7-67.8		67.9-69.0		69.1-71.2		71.3-73.4		73.5-75.6		75.7-77.8		77.9-79.0		79.1-81.2		81.3-83.4		83.5-85.6		85.7-87.8		87.9-89.0		89.1-91.2		91.3-93.4		93.5-95.6		95.7-97.8		97.9-99.0		99.1-100.0		TOTAL		OBSERVATIONS		7510		TOTAL OBSERVATIONS		8760	
WIND		SECTOR		TOTAL		1.0-3.2		3.3-5.5		5.6-7.8		7.9-10.0		10.1-12.3		12.4-14.5		14.6-16.7		16.8-19.0		19.1-21.2		21.3-23.4		23.5-25.6		25.7-27.8		27.9-29.0		29.1-31.2		31.3-33.4		33.5-35.6		35.7-37.8		37.9-39.0		39.1-41.2		41.3-43.4		43.5-45.6		45.7-47.8		47.9-49.0		49.1-51.2		51.3-53.4		53.5-55.6		55.7-57.8		57.9-59.0		59.1-61.2		61.3-63.4		63.5-65.6		65.7-67.8		67.9-69.0		69.1-71.2		71.3-73.4		73.5-75.6		75.7-77.8		77.9-79.0		79.1-81.2		81.3-83.4		83.5-85.6		85.7-87.8		87.9-89.0		89.1-91.2		91.3-93.4		93.5-95.6		95.7-97.8		97.9-99.0		99.1-100.0		TOTAL		OBSERVATIONS		7510		TOTAL OBSERVATIONS		8760	
WIND		SECTOR		TOTAL		1.0-3.2		3.3-5.5		5.6-7.8		7.9-10.0		10.1-12.3		12.4-14.5		14.6-16.7		16.8-19.0		19.1-21.2		21.3-23.4		23.5-25.6		25.7-27.8		27.9-29.0		29.1-31.2		31.3-33.4		33.5-35.6		35.7-37.8		37.9-39.0		39.1-41.2		41.3-43.4		43.5-45.6		45.7-47.8		47.9-49.0		49.1-51.2		51.3-53.4		53.5-55.6		55.7-57.8		57.9-59.0		59.1-61.2		61.3-63.4		63.5-65.6		65.7-67.8		67.9-69.0		69.1-71.2		71.3-73.4		73.5-75.6		75.7-77.8		77.9-79.0		79.1-81.2		81.3-83.4		83.5-85.6		85.7-87.8		87.9-89.0		89.1-91.2		91.3-93.4		93.5-95.6		95.7-97.8		97.9-99.0		99.1-100.0		TOTAL		OBSERVATIONS		7510		TOTAL OBSERVATIONS		8760	
WIND		SECTOR		TOTAL		1.0-3.2		3.3-5.5		5.6-7.8		7.9-10.0		10.1-12.3		12.4-14.5		14.6-16.7		16.8-19.0		19.1-21.2		21.3-23.4		23.5-25.6		25.7-27.8		27.9-29.0		29.1-31.2		31.3-33.4		33.5-35.6		35.7-37.8		37.9-39.0		39.1-41.2		41.3-43.4		43.5-45.6																																																																			

OCONEE HIGH LEVEL										WIND OCCURRENCES BY SECTOR • SPEED CLASS (NO. OCCURRENCES PERCENT)										FOR 1975									
SUMMARY OF PASQUILL A-C-D-E-F-G																				DATE OF REPORT 5-18-76									
WIND										WIND SPEED CLASS																			
SECTION ITEM										WIND																			
TOTAL										TOTAL																			
360.0										0-1.2										1.3-2.5									
NO										2.6-3.8										3.9-10.0									
PCT										10.1-12.3										12.4-14.6									
14.7-16.9										17.0-19.2										19.3-21.5									
22.5										22.6-24.8										24.9-27.1									
NO										27.2-29.4										29.5-31.7									
PCT										31.8-34.0										34.1-36.3									
45.0										45.1-47.3										47.4-49.6									
NO										49.7-51.9										52.0-54.2									
PCT										54.3-56.5										56.6-58.8									
67.5										67.6-69.8										69.9-72.1									
NO										72.2-74.4										74.5-76.7									
PCT										76.8-79.0										79.1-81.3									
90.0										90.1-92.3										92.4-94.6									
NO										94.7-96.9										97.0-99.2									
PCT										99.3-101.5										101.6-103.8									
112.5										112.6-114.8										114.9-117.1									
NO										117.2-119.4										119.5-121.7									
PCT										121.8-124.0										124.1-126.3									
135.0										135.1-137.3										137.4-139.6									
NO										139.7-141.9										142.0-144.2									
PCT										144.3-146.5										146.6-148.8									
157.5										157.6-159.8										159.9-162.1									
NO										162.2-164.4										164.5-166.7									
PCT										166.8-169.0										169.1-171.3									
180.0										180.1-182.3										182.4-184.6									
NO										184.7-186.9										187.0-189.2									
PCT										189.3-191.5										191.6-193.8									
202.5										202.6-204.8										204.9-207.1									
NO										207.2-209.4										209.5-211.7									
PCT										211.8-214.0										214.1-216.3									
225.0										225.1-227.3										227.4-229.6									
NO										229.7-231.9										232.0-234.2									
PCT										234.3-236.5										236.6-238.8									
247.5										247.6-249.8										249.9-252.1									
NO										252.2-254.4										254.5-256.7									
PCT										256.8-259.0										259.1-261.3									
270.0										270.1-272.3										272.4-274.6									
NO										274.7-276.9										277.0-279.2									
PCT										279.3-281.5										281.6-283.8									
292.5										292.6-294.8										294.9-297.1									
NO										297.2-299.4										300.0-302.2									
PCT										302.3-304.5										304.6-306.8									
315.0										315.1-317.3										317.4-319.6									
NO										319.7-321.9										322.0-324.2									
PCT										324.3-326.5										326.6-328.8									
337.5										337.6-339.8										339.9-342.1									
NO										342.2-344.4										344.5-346.7									
PCT										346.8-349.0										349.1-351.3									
CALM																													
TOTAL										TOTAL										TOTAL									
NO										NO										NO									
PCT										PCT										PCT									
AVERAGE WIND SPEED 6.78										TOTAL VALID OBSERVATIONS 7510										TOTAL OBSERVATIONS 8760									

**Table 2-28. Composite Poorest Diffusion Conditions Observed for Each Hour of Day (Based on 30 Months of Data)**

["HISTORICAL INFORMATION IN ITALICS NOT REQUIRED TO BE REVISED."]

<i>Hour of Day</i>	<i>Pasquill Class</i>
<i>00</i>	<i>F</i>
<i>01</i>	<i>F</i>
<i>02</i>	<i>F</i>
<i>03</i>	<i>F</i>
<i>04</i>	<i>F</i>
<i>05</i>	<i>F</i>
<i>06</i>	<i>F</i>
<i>07</i>	<i>F</i>
<i>08</i>	<i>F</i>
<i>09</i>	<i>E</i>
<i>10</i>	<i>D</i>
<i>11</i>	<i>D</i>
<i>12</i>	<i>D</i>
<i>13</i>	<i>D</i>
<i>14</i>	<i>D</i>
<i>15</i>	<i>D</i>
<i>16</i>	<i>D</i>
<i>17</i>	<i>F</i>
<i>18</i>	<i>F</i>
<i>19</i>	<i>F</i>
<i>20</i>	<i>F</i>
<i>21</i>	<i>F</i>
<i>22</i>	<i>F</i>
<i>23</i>	<i>F</i>

**Table 2-29. Dispersion Factors Used for Accident and Routine Operational Analyses X/Q**

["HISTORICAL INFORMATION IN ITALICS NOT REQUIRED TO BE REVISED."]

July 1973 Safety Evaluation Report for Unit 2 and Unit 3 - Superseded 1970 SER Values for Facility Exclusion Area Boundary (1609 m) <sup>(3)</sup>				
	0-2 hrs			
Ground Releases	2.20E-4			
Deleted row per 2008 Update				
At Boundary of Low Population Zone (9650 m) <sup>(3)</sup>				
	0-8 h	8-24 h	1 d - 4 d	4 d - 30 d
Ground Releases	2.35E-5	4.70E-6	1.50E-6	3.30E-7
Deleted row per 2008 Update				
December 1970 Safety Evaluation Report for Unit 1 At Exclusion Area Boundary (1609 m)				
	0-2 hrs	0-24 hrs	0-7 days	
Ground Releases	1.16E-4			
Elevated Releases	3.35E-5	9.73E-6	2.98E-6	
At Boundary of Low Population Zone (9650 m)				
	0-24 hrs.	0-30 days		
Ground Releases <sup>(1)</sup>	1.32E-5	7.2E-7		
Elevated Releases <sup>(2)</sup>	3.90E-6	3.42E-7		
Long-Term (One Year) Exclusion Area Boundary				
Ground Releases	4.61E-6			
Elevated Releases	8.74E-7			
Note:				
1. At valley construction 10,464 m from site near Boundary of LPZ				
2. 9,658 m from site at Boundary of LPZ				
3. Reference <a href="#">30</a>				

**Table 2-30. Determining Appropriate Dispersion Factors.** [Table 2-29](#) to be Used During Various Release Conditions

["HISTORICAL INFORMATION IN ITALICS NOT REQUIRED TO BE REVISED."]

<i>Release Condition</i>	<i>Appropriate Dispersion Factor</i>
1. <i>Fuel Handling Accident</i>	<i>0-2 hour ground release at exclusion area boundary</i>
2. <i>Steam Line Failure</i>	<i>0-2 hour ground release at exclusion area boundary for steam line releases</i>  <i>0-2 hour elevated release at exclusion area boundary for unit vent releases</i>  <i>0-8 hours, 8-24 hours, 1-4 days, and 4-30 days at boundary of low population zone</i>
3. <i>Rod Ejection Accident</i>	<i>0-2 hour ground release at exclusion area boundary for steam line releases</i>  <i>0-2 hour elevated release at exclusion area boundary for unit vent releases</i>  <i>0-8 hours, 8-24 hours, 1-4 days, and 4-30 days at boundary of low population zone</i>
4. <i>Loss-of-Coolant Accident (assume 50 percent ground release and 50 percent elevated release after 90 percent iodine removal by filtration)</i>	<i>0-2 hour ground release at exclusion area boundary for steam line releases</i>  <i>0-2 hour elevated release at exclusion area boundary for unit vent releases</i>  <i>0-8 hours, 8-24 hours, 1-4 days, and 4-30 days at boundary of low population zone</i>
5. <i>Maximum Hypothetical Accident (MHA)</i>	<i>0-2 hour ground release at exclusion area boundary for steam line releases</i>  <i>0-2 hour elevated release at exclusion area boundary for unit vent releases</i>  <i>0-8 hours, 8-24 hours, 1-4 days, and 4-30 days at boundary of low population zone</i>
6. <i>Engineered Safeguards Leakage</i>	<i>0-2 hour elevated release at exclusion area boundary</i>
7. <i>Lifetime Shim Bleed (continuous release)</i>	<i>Long-term elevated releases at exclusion area boundary</i>
8. <i>Start-up expansion (7-day release)</i>	<i>0-7 day elevated releases at exclusion area boundary</i>
9. <i>Reactor Building Purge</i>	<i>0-24 hour elevated release at exclusion area boundary</i>

<i>Release Condition</i>	<i>Appropriate Dispersion Factor</i>
10. <i>Steam Generator Tube Failure</i>	<i>0-2 hour ground release at exclusion area boundary for steam line releases</i> <i>0-2 hour elevated release at exclusion area boundary for unit vent releases</i> <i>0-8 hours, 8-24 hours, 1-4 days, and 4-30 days at boundary of low population zone</i>
11. <i>Steam Generator Tube Leakage</i>	<i>Long-term elevated releases at exclusion area boundary</i>
12. <i>Pressurizer and Letdown Storage Tank Venting</i>	<i>0-7 day elevated release at exclusion area boundary.</i>
13. <i>Waste Gas Tank Rupture</i>	<i>0-2 hour elevated release at exclusion area boundary.</i>



**Table 2-31. Oconee Nuclear Station X/Q at Critical Receptors to 5 Miles<sup>(1)</sup> (Depleted by Dry Deposition).** Radial Distance (mi.) to Receptor with Highest X/Q in Sector and X/Q (sec. m<sup>-3</sup>) based on 1975 meteorology.

["HISTORICAL INFORMATION IN ITALICS NOT REQUIRED TO BE REVISED."]

<i>Compass Direction</i>	<i>Milk Cow</i>		<i>Milk Goat</i>		<i>Meat Animal</i>		<i>Residence</i>		<i>Veg. Garden</i>		<i>EAB<sup>(2)</sup></i>	
	<i>mi.</i>	<i>sec. m<sup>-3</sup></i>	<i>mi.</i>	<i>sec. m<sup>-3</sup></i>	<i>mi.</i>	<i>sec. m<sup>-3</sup></i>	<i>mi.</i>	<i>sec. m<sup>-3</sup></i>	<i>mi.</i>	<i>sec. m<sup>-3</sup></i>	<i>mi.</i>	<i>sec. m<sup>-3</sup></i>
<i>N</i>		-		-		-		-		-	<i>1</i>	<i>7.8E-8</i>
<i>NNE</i>		-		-		-	<i>4</i>	<i>7.8E-8</i>	<i>4</i>	<i>7.8E-8</i>	<i>1</i>	<i>1.1E-7</i>
<i>NE</i>	<i>3.5</i>	<i>6.3E-8</i>	<i>3</i>	<i>6.2E-8</i>	<i>3</i>	<i>6.2E-8</i>	<i>2</i>	<i>6.7E-8</i>	<i>2</i>	<i>6.7E-8</i>	<i>1</i>	<i>7.0E-8</i>
<i>ENE</i>	<i>4</i>	<i>5.7E-8</i>			<i>1.25</i>	<i>6.5E-8</i>	<i>1.25</i>	<i>6.5E-8</i>	<i>1.25</i>	<i>6.5E-8</i>	<i>1</i>	<i>6.9E-8</i>
<i>E</i>	<i>3</i>	<i>5.3E-8</i>	<i>4.5</i>	<i>4.5E-8</i>	<i>2</i>	<i>6.1E-8</i>	<i>2</i>	<i>6.1E-8</i>	<i>2</i>	<i>6.1E-8</i>	<i>1</i>	<i>4.4E-8</i>
<i>ESE</i>	<i>4.5</i>	<i>4.5E-8</i>			<i>2.5</i>	<i>5.6E-8</i>	<i>2</i>	<i>6.1E-8</i>	<i>2</i>	<i>6.1E-8</i>	<i>1</i>	<i>2.9E-8</i>
<i>SE</i>	<i>3</i>	<i>5.5E-8</i>	<i>2.5</i>	<i>5.5E-8</i>	<i>2.5</i>	<i>5.5E-8</i>	<i>2.5</i>	<i>5.5E-8</i>	<i>2.5</i>	<i>5.5E-8</i>	<i>1</i>	<i>3.3E-8</i>
<i>SSE</i>					<i>2</i>	<i>3.1E-7</i>	<i>2</i>	<i>3.1E-7</i>	<i>2</i>	<i>3.1E-7</i>	<i>1</i>	<i>2.6E-7</i>
<i>S</i>					<i>2</i>	<i>2.5E-7</i>	<i>2</i>	<i>2.5E-7</i>	<i>2</i>	<i>2.5E-7</i>	<i>1</i>	<i>2.6E-7</i>
<i>SSW</i>	<i>1.5</i>	<i>3.3E-7</i>			<i>1.5</i>	<i>3.3E-7</i>	<i>1.5</i>	<i>3.3E-7</i>	<i>1.5</i>	<i>3.3E-7</i>	<i>1</i>	<i>3.1E-7</i>
<i>SW</i>					<i>1.75</i>	<i>7.5E-8</i>	<i>1.75</i>	<i>7.5E-8</i>	<i>1.75</i>	<i>7.5E-8</i>	<i>1</i>	<i>7.5E-8</i>
<i>WSW</i>					<i>2.5</i>	<i>5.0E-8</i>	<i>2.5</i>	<i>5.0E-8</i>	<i>2.5</i>	<i>5.0E-8</i>	<i>1</i>	<i>5.9E-8</i>
<i>W</i>	<i>4.5</i>	<i>3.3E-8</i>			<i>2.5</i>	<i>4.3E-8</i>	<i>2.5</i>	<i>4.3E-8</i>	<i>2.5</i>	<i>4.3E-8</i>	<i>1</i>	<i>3.1E-8</i>
<i>WNW</i>					<i>2.75</i>	<i>3.5E-8</i>	<i>2.75</i>	<i>3.5E-8</i>	<i>2.75</i>	<i>3.5E-8</i>	<i>1</i>	<i>2.4E-8</i>
<i>NW</i>					<i>4</i>	<i>2.8E-8</i>	<i>4</i>	<i>2.8E-8</i>	<i>4</i>	<i>2.8E-8</i>	<i>1</i>	<i>3.9E-8</i>
<i>NNW</i>	<i>2.5</i>	<i>7.7E-8</i>					<i>2.5</i>	<i>8.3E-8</i>	<i>2.5</i>	<i>8.3E-8</i>	<i>1</i>	<i>6.6E-8</i>

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<i>Compass Direction</i>	<i>Milk Cow</i>		<i>Milk Goat</i>		<i>Meat Animal</i>		<i>Residence</i>		<i>Veg. Garden</i>		<i>EAB<sup>(2)</sup></i>	
	<i>mi.</i>	<i>sec. m<sup>-3</sup></i>	<i>mi.</i>	<i>sec. m<sup>-3</sup></i>	<i>mi.</i>	<i>sec. m<sup>-3</sup></i>	<i>mi.</i>	<i>sec. m<sup>-3</sup></i>	<i>mi.</i>	<i>sec. m<sup>-3</sup></i>	<i>mi.</i>	<i>sec. m<sup>-3</sup></i>

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*Note:*

- 1. The notation 2.1E-6 means  $2.1 \times 10^{-6}$*
- 2. Exclusion Area Boundary*

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**Table 2-32. Oconee Nuclear Station D/Q at Critical Receptors to 5 Miles<sup>(1)</sup>.** Radial Distance (mi.) to Receptor with Highest D/Q in Sector and D/Q (m-2) based on 1975 meteorology

["HISTORICAL INFORMATION IN ITALICS NOT REQUIRED TO BE REVISED."]

<i>Compass Direction</i>	<i>Milk Cow</i>		<i>Milk Goat</i>		<i>Meat Animal</i>		<i>Residence</i>		<i>Veg. Garden</i>		<i>EAB<sup>(2)</sup></i>	
	<i>mi.</i>	<i>sec. m<sup>-2</sup></i>	<i>mi.</i>	<i>sec. m<sup>-2</sup></i>	<i>mi.</i>	<i>sec. m<sup>-2</sup></i>	<i>mi.</i>	<i>sec. m<sup>-2</sup></i>	<i>mi.</i>	<i>sec. m<sup>-2</sup></i>	<i>mi.</i>	<i>sec. m<sup>-2</sup></i>
<i>N</i>	-		-		-		-		-		<i>1</i>	<i>2.3E-9</i>
<i>NNE</i>	-		-		-		<i>4</i>	<i>4.2E-10</i>	<i>4</i>	<i>4.2E-10</i>	<i>1</i>	<i>3.7E-9</i>
<i>NE</i>	<i>3.5</i>	<i>4.0E-10</i>	<i>3</i>	<i>5.0E-10</i>	<i>3</i>	<i>5.0E-10</i>	<i>2</i>	<i>8.0E-10</i>	<i>2</i>	<i>8.0E-10</i>	<i>1</i>	<i>2.5E-9</i>
<i>ENE</i>	<i>4</i>	<i>1.8E-10</i>			<i>1.25</i>	<i>1.0E-9</i>	<i>1.25</i>	<i>1.0E-9</i>	<i>1.25</i>	<i>1.0E-9</i>	<i>1</i>	<i>1.8E-9</i>
<i>E</i>	<i>3</i>	<i>2.7E-10</i>	<i>4.5</i>	<i>1.5E-10</i>	<i>1.25</i>	<i>8.0E-10</i>	<i>1.25</i>	<i>8.0E-10</i>	<i>1.25</i>	<i>8.0E-10</i>	<i>1</i>	<i>1.3E-9</i>
<i>ESE</i>	<i>4.5</i>	<i>1.1E-10</i>			<i>1.5</i>	<i>5.0E-10</i>	<i>1.5</i>	<i>5.0E-10</i>	<i>1.5</i>	<i>5.0E-10</i>	<i>1</i>	<i>1.0E-9</i>
<i>SE</i>	<i>3</i>	<i>1.4E-10</i>	<i>2.5</i>	<i>1.8E-10</i>	<i>2.5</i>	<i>1.8E-10</i>	<i>2.5</i>	<i>1.8E-10</i>	<i>2.5</i>	<i>1.8E-10</i>	<i>1</i>	<i>6.0E-10</i>
<i>SSE</i>					<i>2</i>	<i>1.2E-9</i>	<i>2</i>	<i>1.2E-9</i>	<i>2</i>	<i>1.2E-9</i>	<i>1</i>	<i>2.5E-9</i>
<i>S</i>					<i>2</i>	<i>1.3E-9</i>	<i>2</i>	<i>1.3E-9</i>	<i>2</i>	<i>1.3E-9</i>	<i>1</i>	<i>3.0E-9</i>
<i>SSW</i>	<i>1.5</i>	<i>2.4E-9</i>			<i>1.5</i>	<i>2.4E-9</i>	<i>1.5</i>	<i>2.4E-9</i>	<i>1.5</i>	<i>2.4E-9</i>	<i>1</i>	<i>3.5E-9</i>
<i>SW</i>					<i>1.75</i>	<i>6.0E-10</i>	<i>1.75</i>	<i>6.0E-10</i>	<i>1.75</i>	<i>6.0E-10</i>	<i>1</i>	<i>1.1E-9</i>
<i>WSW</i>					<i>2.5</i>	<i>4.4E-10</i>	<i>2.5</i>	<i>4.4E-10</i>	<i>2.5</i>	<i>4.4E-10</i>	<i>1</i>	<i>1.4E-9</i>
<i>W</i>	<i>4.5</i>	<i>1.5E-10</i>			<i>2.5</i>	<i>3.8E-10</i>	<i>2.5</i>	<i>3.8E-10</i>	<i>2.5</i>	<i>3.8E-10</i>	<i>1</i>	<i>1.0E-9</i>
<i>WNW</i>					<i>2.75</i>	<i>2.0E-10</i>	<i>2.75</i>	<i>2.0E-10</i>	<i>2.75</i>	<i>2.0E-10</i>	<i>1</i>	<i>7.0E-10</i>
<i>NW</i>					<i>4</i>	<i>9.9E-11</i>	<i>4</i>	<i>9.9E-11</i>	<i>4</i>	<i>9.9E-11</i>	<i>1</i>	<i>7.0E-10</i>
<i>NNW</i>	<i>2.5</i>	<i>3.7E-10</i>					<i>2.5</i>	<i>3.7E-10</i>	<i>2.5</i>	<i>1.3E-9</i>	<i>1</i>	<i>1.6E-9</i>

**Note:**

1. The notation 2.1E-6 means  $2.1 \times 10^{-6}$
2. Exclusion Area Boundary

**Table 2-33. Oconee Nuclear Station X/Q at Critical Receptors to 5 Miles<sup>(1)</sup> (Non-Depleted).** Radial Distance (mi.) to Receptor with Highest X/Q in Sector and X/Q (sec. m<sup>-3</sup>) based on 1975 meteorology.

["HISTORICAL INFORMATION IN ITALICS NOT REQUIRED TO BE REVISED."]

<i>Compass Direction</i>	<i>Milk Cow</i>		<i>Milk Goat</i>		<i>Meat Animal</i>		<i>Residence</i>		<i>Veg. Garden</i>		<i>EAB<sup>(2)</sup></i>	
	<i>mi.</i>	<i>sec. m<sup>-3</sup></i>	<i>mi.</i>	<i>sec. m<sup>-3</sup></i>	<i>mi.</i>	<i>sec. m<sup>-3</sup></i>	<i>mi.</i>	<i>sec. m<sup>-3</sup></i>	<i>mi.</i>	<i>sec. m<sup>-3</sup></i>	<i>mi.</i>	<i>sec. m<sup>-3</sup></i>
<i>N</i>		-		-		-		-		-	<i>1</i>	<i>9.0E-8</i>
<i>NNE</i>		-		-		-	<i>4</i>	<i>8.3E-8</i>	<i>4</i>	<i>8.3E-8</i>	<i>1</i>	<i>1.1E-7</i>
<i>NE</i>	<i>3.5</i>	<i>6.4E-8</i>	<i>3</i>	<i>6.3E-8</i>	<i>3</i>	<i>6.3E-8</i>	<i>2</i>	<i>6.7E-8</i>	<i>2</i>	<i>6.7E-8</i>	<i>1</i>	<i>7.0E-8</i>
<i>ENE</i>	<i>4</i>	<i>5.7E-8</i>			<i>1.25</i>	<i>6.6E-8</i>	<i>1.25</i>	<i>6.6E-8</i>	<i>1.25</i>	<i>6.6E-8</i>	<i>1</i>	<i>6.9E-8</i>
<i>E</i>	<i>3</i>	<i>5.3E-8</i>	<i>4.5</i>	<i>4.5E-8</i>	<i>2</i>	<i>6.1E-8</i>	<i>2</i>	<i>6.1E-8</i>	<i>2</i>	<i>6.1E-8</i>	<i>1</i>	<i>4.4E-8</i>
<i>ESE</i>	<i>4.5</i>	<i>4.7E-8</i>			<i>2.5</i>	<i>5.6E-8</i>	<i>2</i>	<i>6.2E-8</i>	<i>2</i>	<i>6.2E-8</i>	<i>1</i>	<i>3.5E-8</i>
<i>SE</i>	<i>3</i>	<i>5.5E-8</i>	<i>2.5</i>	<i>5.5E-8</i>	<i>2.5</i>	<i>5.5E-8</i>	<i>2.5</i>	<i>5.5E-8</i>	<i>2.5</i>	<i>5.5E-8</i>	<i>1</i>	<i>3.3E-8</i>
<i>SSE</i>					<i>2</i>	<i>3.2E-7</i>	<i>2</i>	<i>3.2E-7</i>	<i>2</i>	<i>3.2E-7</i>	<i>1</i>	<i>2.6E-7</i>
<i>S</i>					<i>2</i>	<i>2.5E-7</i>	<i>2</i>	<i>2.5E-7</i>	<i>2</i>	<i>2.5E-7</i>	<i>1</i>	<i>2.7E-7</i>
<i>SSW</i>	<i>1.5</i>	<i>3.4E-7</i>			<i>1.5</i>	<i>3.4E-7</i>	<i>1.5</i>	<i>3.4E-7</i>	<i>1.5</i>	<i>3.4E-7</i>	<i>1</i>	<i>3.4E-7</i>
<i>SW</i>					<i>1.75</i>	<i>7.5E-8</i>	<i>1.75</i>	<i>7.5E-8</i>	<i>1.75</i>	<i>7.5E-8</i>	<i>1</i>	<i>7.5E-8</i>
<i>WSW</i>					<i>2.5</i>	<i>5.0E-8</i>	<i>2.5</i>	<i>5.0E-8</i>	<i>2.5</i>	<i>5.0E-8</i>	<i>1</i>	<i>6.3E-8</i>
<i>W</i>	<i>4.5</i>	<i>3.6E-8</i>			<i>2.5</i>	<i>4.3E-8</i>	<i>2.5</i>	<i>4.3E-8</i>	<i>2.5</i>	<i>4.3E-8</i>	<i>1</i>	<i>3.8E-8</i>
<i>WNW</i>							<i>2.75</i>	<i>3.5E-8</i>	<i>2.75</i>	<i>3.5E-8</i>	<i>1</i>	<i>2.4E-8</i>
<i>NW</i>							<i>4</i>	<i>3.7E-8</i>	<i>4</i>	<i>3.7E-8</i>	<i>1</i>	<i>3.9E-8</i>
<i>NNW</i>	<i>2.5</i>	<i>8.3E-8</i>					<i>2.5</i>	<i>8.3E-8</i>	<i>2.5</i>	<i>8.3E-8</i>	<i>1</i>	<i>6.9E-8</i>

	<i>Milk Cow</i>		<i>Milk Goat</i>		<i>Meat Animal</i>		<i>Residence</i>		<i>Veg. Garden</i>		<i>EAB<sup>(2)</sup></i>	
<i>Compass Direction</i>	<i>mi.</i>	<i>sec. m<sup>-3</sup></i>	<i>mi.</i>	<i>sec. m<sup>-3</sup></i>	<i>mi.</i>	<i>sec. m<sup>-3</sup></i>	<i>mi.</i>	<i>sec. m<sup>-3</sup></i>	<i>mi.</i>	<i>sec. m<sup>-3</sup></i>	<i>mi.</i>	<i>sec. m<sup>-3</sup></i>

**Note:**

1. The notation 2.1E-6 means  $2.1 \times 10^{-6}$
2. Exclusion Area Boundary

**Table 2-34. Relative Concentration, X/Q, Frequency Distribution Without Wind Speed Correction<sup>(3)</sup>**

["HISTORICAL INFORMATION IN ITALICS NOT REQUIRED TO BE REVISED."]

<i>Relative Concentration</i>	<i>Frequency (No. of Obs.)</i>	<i>Percentage</i>	<i>Cumulative Per Cent</i>
$\geq 4.0 \times 10^{-4}$	0	0.00	0.00
$3.0-3.99 \times 10^{-4}$	0	0.00	0.00
$2.0-2.99 \times 10^{-4}$	8	0.09	0.09
$1.0-1.99 \times 10^{-4}$	35	0.41	0.51
$9.0-9.99 \times 10^{-5}$	20	0.24	0.74
$8.0-8.99 \times 10^{-5}$	53	0.62	1.37
$7.0-7.9 \times 10^{-5}$	106	1.25	2.62
$6.0-6.99 \times 10^{-5}$	229	2.70	5.32
$5.0-5.99 \times 10^{-5}$	506	5.97	11.28
$4.0-4.99 \times 10^{-5}$	838	9.88	21.16
$3.0-3.99 \times 10^{-5}$	1484	17.50	38.66
$2.0-2.99 \times 10^{-5}$	2313	27.27	65.93
$1.0-1.99 \times 10^{-5}$	2307	27.20	93.13
$9.0-9.99 \times 10^{-6}$	167	1.97	95.10
$8.0-8.99 \times 10^{-6}$	134	1.58	96.68
$7.0-7.99 \times 10^{-6}$	87	1.03	97.70
$6.0-6.99 \times 10^{-6}$	88	1.04	98.74
$5.0-5.99 \times 10^{-6}$	53	0.62	99.36
$4.0-4.99 \times 10^{-6}$	27	0.32	99.68
$\leq 3.99 \times 10^{-6}$	27	0.32	100.00
<i>Totals</i>	8482	100.00	--- ---

**Note:**

1. *Percentage of Valid Observations: 96.82*
2. *Average Relative Concentration =  $2.92960 \times 10^{-5}$*
3. *Meteorological Period: June 1, 1968 - May 31, 1969*

Table 2-35. Gas-Tracer Experimental Results From January 15 - March 11, 1970

["HISTORICAL INFORMATION NOT REQUIRED TO BE REVISED."]

## Gas-Tracer Experimental Results

Test Date	Test Number	Time (hours)	Release Rate (micrograms per second)	U	Stability Category	Source to Receptor Distance (meters)	At Receptor			At One Mile			
							Center Line Concentration (micrograms per meter <sup>3</sup> )	Sigma Y (meters)	Sigma Z (meters)	Sigma Y (meters)	Sigma Z (meters)	Pt. Sigma Y (meters)	Relative Concentration (seconds per meter <sup>3</sup> )
Jan. 15, 1970	1a	2100	90x10 <sup>3</sup>	5.36	F	176	9.40	30.6	14.70	270	74	3.34x10 <sup>5</sup>	3.97x10 <sup>-6</sup>
Jan. 15, 1970	1b	2200	90x10 <sup>3</sup>	5.36	F	680	3.59	145	19.74	225	19	7.19x10 <sup>4</sup>	1.38x10 <sup>-5</sup>
Jan. 20, 1970	Plume Measurements	Indeterminable											
Jan. 31, 1970	Plume Measurements	Indeterminable											
Feb. 5, 1970	2	2100	91x10 <sup>3</sup>	0.89	F	630	1.58	104	197	260	300	2.97x10 <sup>5</sup>	3.36x10 <sup>-6</sup>
Feb. 6, 1970	3	2040	85.8x10 <sup>3</sup>	0.89	F	835	1.49	70	313	57	490	7.12x10 <sup>4</sup>	1.40x10 <sup>-5</sup>
Feb. 10, 1970	4a	2156	83.3x10 <sup>3</sup>	1.34	E	190	9.02	30	57	260	280	3.04x10 <sup>5</sup>	3.76x10 <sup>-6</sup>
Feb. 10, 1970	4b	2210	91.6x10 <sup>3</sup>	1.79	E	357	9.30	26	67	108	186	1.17x10 <sup>5</sup>	8.85x10 <sup>-6</sup>
Feb. 11, 1970	4c	2250	86.7x10 <sup>3</sup>	1.79	E	611	3.68	67	67	210	177	2.03x10 <sup>5</sup>	5.92x10 <sup>-6</sup>
Feb. 11, 1970	Plume Measurements	Indeterminable											
Feb. 17, 1970	5a	2055	85.5x10 <sup>3</sup>	1.56	E	530	7.94	55	66	152	160	7.66x10 <sup>4</sup>	1.34x10 <sup>-5</sup>
Feb. 17, 1970	5b	2115	88.5x10 <sup>3</sup>	1.34	F	530	3.79	27	72	205	168	1.66x10 <sup>5</sup>	6.02x10 <sup>-6</sup>
Feb. 17, 1970	6a	2210	89.7x10 <sup>3</sup>	3.13	E	393	8.79	74	14.9	260	30	9.71x10 <sup>4</sup>	1.07x10 <sup>-5</sup>
Feb. 17, 1970	6b	2250	88.0x10 <sup>3</sup>	1.79	E	576	16.6	36	27.5	115	87	5.30x10 <sup>4</sup>	1.88x10 <sup>-5</sup>
Feb. 19, 1970	Plume Measurements	Indeterminable											
Mar. 2, 1970	7	2240	89.7x10 <sup>3</sup>	0.89	F	451	1.94	65	641	130	920	3.55x10 <sup>5</sup>	2.81x10 <sup>-6</sup>
Mar. 3, 1970	8a	2018	85.0x10 <sup>3</sup>	0.89	E-F	450	3.63	63	193	130	500	1.97x10 <sup>5</sup>	5.10x10 <sup>-6</sup>
Mar. 3, 1970	8b	2110	83.3x10 <sup>3</sup>	0.89	E-F	450	6.21	38	176	125	300	1.04x10 <sup>5</sup>	9.53x10 <sup>-6</sup>
Mar. 3, 1970	8c	2200	86.6x10 <sup>3</sup>	0.89	E-F	450	3.10	73	195	220	500	3.07x10 <sup>5</sup>	3.25x10 <sup>-6</sup>
Mar. 3, 1970	Plume Measurements	Indeterminable											
Mar. 10, 1970	9a	2045	91.4x10 <sup>3</sup>	0.67	E-F	120	9.30	32	145	300	1050	6.63x10 <sup>5</sup>	1.50x10 <sup>-6</sup>
Mar. 10, 1970	9b	2205	91.4x10 <sup>3</sup>	0.67	E-F	120	6.44	53	179	500	910	9.57x10 <sup>5</sup>	1.04x10 <sup>-6</sup>
Mar. 11, 1970	9c	2315	91.4x10 <sup>3</sup>	0.67	E-F	120	3.70	63	167	450	3500	3.31x10 <sup>6</sup>	5.01x10 <sup>-7</sup>
Mar. 11, 1970	Plume Measurements	Indeterminable											

\*Slightest test relative concentration at one mile = 1.08x10<sup>-5</sup> seconds per meter<sup>3</sup>

**Table 2-36. Relative Concentration, X/Q, Frequency Distribution With Wind Speed Correction<sup>(3, 4)</sup>**

["HISTORICAL INFORMATION IN ITALICS NOT REQUIRED TO BE REVISED."]

<i>Relative Concentration</i>	<i>Frequency (No. of Obs.)</i>	<i>Percentage</i>	<i>Cumulative Per Cent</i>
$\geq 4.0 \times 10^{-4}$	0	0.00	0.00
$3.0-3.99 \times 10^{-4}$	0	0.00	0.00
$2.0-2.99 \times 10^{-4}$	0	0.00	0.00
$1.0-1.99 \times 10^{-4}$	18	0.21	0.21
$9.0-9.99 \times 10^{-5}$	6	0.07	0.28
$8.0-8.99 \times 10^{-5}$	6	0.07	0.35
$7.0-7.99 \times 10^{-5}$	15	0.18	0.53
$6.0-6.99 \times 10^{-5}$	40	0.47	1.00
$5.0-5.99 \times 10^{-5}$	137	1.62	2.62
$4.0-4.99 \times 10^{-5}$	391	4.61	7.23
$3.0-3.99 \times 10^{-5}$	957	11.28	18.51
$2.0-2.99 \times 10^{-5}$	2087	24.58	43.09
$1.0-1.99 \times 10^{-5}$	3407	40.17	83.26
$9.0-9.99 \times 10^{-6}$	313	3.69	86.95
$8.0-8.99 \times 10^{-6}$	298	3.51	90.46
$7.0-7.99 \times 10^{-6}$	260	3.07	93.53
$6.0-6.99 \times 10^{-6}$	218	2.57	96.10
$5.0-5.99 \times 10^{-6}$	136	1.60	97.70
$4.0-4.99 \times 10^{-6}$	113	1.33	99.03
$\leq 3.99 \times 10^{-6}$	82	0.97	100.00
<i>Totals</i>	8482	100.00	--- ---

**Note:**

1. *Percentage of Valid Observations: 96.82*
2. *Average Relative Concentration =  $2.09257 \times 10^{-5}$*
3. *Period of Record: June 1, 1968 - May 31, 1969*
4. *Wind Speed Correction factor of 1.4 applied, based on calibration check on October 1, 1969*



**Table 2-37. Comparative Wind Speed Data**

["HISTORICAL INFORMATION IN ITALICS NOT REQUIRED TO BE REVISED."]

<i>Date</i>	<i>Greenville-Spartanburg<sup>(1)</sup> (Average)</i>	<i>Oconee (Average)</i>	<i>Oconee to Greenville-Spartanburg (Ratio)</i>	<i>Oconee to Greenville-Spartanburg (Ratio x 1.4)</i>
<i>June, 1968</i>	<i>13.9 mph</i>	<i>7.6 mph</i>	<i>0.54</i>	<i>0.76</i>
<i>July, 1968</i>	<i>11.2 mph</i>	<i>6.3 mph</i>	<i>0.56</i>	<i>0.79</i>
<i>August, 1968</i>	<i>11.3 mph</i>	<i>6.8 mph</i>	<i>0.60</i>	<i>0.84</i>
<i>September, 1968</i>	<i>10.9 mph</i>	<i>5.6 mph</i>	<i>0.52</i>	<i>0.72</i>
<i>October, 1968</i>	<i>12.3 mph</i>	<i>8.1 mph</i>	<i>0.65</i>	<i>0.92</i>
<i>November, 1968</i>	<i>13.1 mph</i>	<i>7.4 mph</i>	<i>0.56</i>	<i>0.78</i>
<i>December, 1968</i>	<i>15.6 mph</i>	<i>9.3 mph</i>	<i>0.59</i>	<i>0.83</i>
<i>January, 1969</i>	<i>14.6 mph</i>	<i>8.1 mph</i>	<i>0.55</i>	<i>0.77</i>
<i>February, 1969</i>	<i>15.4 mph</i>	<i>11.0 mph</i>	<i>0.72</i>	<i>1.02</i>
<i>March, 1969</i>	<i>11.8 mph</i>	<i>7.7 mph</i>	<i>0.66</i>	<i>0.94</i>
<i>April, 1969</i>	<i>11.6 mph</i>	<i>7.8 mph</i>	<i>0.68</i>	<i>0.96</i>
<i>May, 1969</i>	<i>11.9 mph</i>	<i>6.8 mph</i>	<i>0.57</i>	<i>0.81</i>
<i>June, 1969</i>	<i>11.6 mph</i>	<i>6.5 mph</i>	<i>0.56</i>	<i>0.80</i>
<i>July, 1969</i>	<i>11.1 mph</i>	<i>5.5 mph</i>	<i>0.50</i>	<i>0.70</i>
<i>August, 1969</i>	<i>11.0 mph</i>	<i>8.2 mph</i>	<i>0.74</i>	<i>1.06</i>
<i>September, 1969</i>	<i>11.3 mph</i>	<i>7.3 mph</i>	<i>0.65</i>	<i>0.91</i>
<sup>(2)</sup> <i>October, 1969</i>	<i>12.1 mph</i>	<i>11.2 mph</i>	<i>0.92</i>	<i>- ---</i>
<i>November, 1969</i>	<i>12.5 mph</i>	<i>12.3 mph</i>	<i>0.97</i>	<i>- ---</i>

<i>Date</i>	<i>Greenville-Spartanburg<sup>(1)</sup> (Average)</i>	<i>Oconee (Average)</i>	<i>Oconee to Greenville-Spartanburg (Ratio)</i>	<i>Oconee to Greenville-Spartanburg (Ratio x 1.4)</i>
<i>December, 1969</i>	<i>12.6 mph</i>	<i>10.5 mph</i>	<i>0.83</i>	<i>- ---</i>
<i>January, 1970</i>	<i>13.0 mph</i>	<i>14.1 mph</i>	<i>1.08</i>	<i>- ---</i>

**Note:**

1. Greenville-Spartanburg, S.C. Airport ESSA Station
2. Calibration Check - October 1, 1969

**Table 2-38. Supplemental Data Oconee Meteorological Survey (Tower Data) For Period of June 1, 1968 Thru May 31, 1969.** Frequency of Total Relative Concentration for All Observations

["HISTORICAL INFORMATION IN ITALICS NOT REQUIRED TO BE REVISED."]

<i>Relative Concentration</i>	<i>Frequency No. of Obs.</i>	<i>Percentage</i>	<i>Cumulative Per Cent</i>
$\geq 4.0 \times 10^{-4}$	20	0.24	0.24
$3.0 - 3.99 \times 10^{-4}$	4	0.05	0.28
$2.0 - 2.99 \times 10^{-4}$	1	0.01	0.29
$1.0 - 1.99 \times 10^{-4}$	52	0.61	0.91
$9.0 - 9.99 \times 10^{-5}$	20	0.24	1.14
$8.0 - 8.99 \times 10^{-5}$	71	0.84	1.98
$7.0 - 7.99 \times 10^{-5}$	86	1.01	2.99
$6.0 - 6.99 \times 10^{-5}$	194	2.28	5.27
$5.0 - 5.99 \times 10^{-5}$	407	4.79	10.06
$4.0 - 4.99 \times 10^{-5}$	783	9.22	19.28
$3.0 - 3.99 \times 10^{-5}$	1288	15.16	34.44
$2.0 - 2.99 \times 10^{-5}$	1961	23.08	57.52
$1.0 - 1.99 \times 10^{-5}$	2604	30.65	88.17
$9.0 - 9.99 \times 10^{-6}$	256	3.01	91.18
$8.0 - 8.99 \times 10^{-6}$	205	2.41	93.60
$7.0 - 7.99 \times 10^{-6}$	214	2.52	96.12
$6.0 - 6.99 \times 10^{-6}$	129	1.52	97.63
$5.0 - 5.99 \times 10^{-6}$	78	0.92	98.55
$4.0 - 4.99 \times 10^{-6}$	78	0.92	99.47
$\leq 3.99 \times 10^{-6}$	45	0.53	100.00
<i>TOTALS</i>	8496	100.00	--- ---

**Note:**

1. Percentage of Valid Observations - 96.98
2. Average Relative Concentration  $3.11000 \times 10^{-5}$

Table 2-39. Supplemental Data - Joint Frequency Distribution

["HISTORICAL INFORMATION NOT REQUIRED TO BE REVISED."]

OCCONEE METEOROLOGICAL SURVEY (TOWER DATA)		FOR PERIOD OF JUNE 19, 1968 THRU JUNE 19, 1969												
SUMMARY OF WIND OCCURRENCES BY SECTOR & SPEED CLASS (NO. OCCUR, PERCENT, STANDARD DEVIATION)														
Wind Sector	Item	1.0-3.2	3.3-5.5	5.6-7.8	7.9-10.0	10.1-12.3	12.4-14.5	14.6-16.7	16.8-19.0	19.1-21.2	>21.2 MPH			
		4.5-1.49	1.5-2.49	2.5-3.49	3.5-4.49	4.5-5.49	5.5-6.49	6.5-7.49	7.5-8.49	8.5-9.49	>9.5 M/S			
360.0	Sector	1472	698	247	140	16	3	3	0	0	0			
-N-	Total	17.24	8.18	2.89	0.47	0.19	0.04	0.04	0.00	0.00	0.00			
	No.	261	312	94	20	9	4	4	3	0	0			
	Pct	16.0	7.5	6.1	9.1	11.8	12.5	6.4	0.0	0.0	0.0			
22.5	Sd													
-NNE-	No.	708	365	110	0.23	0.11	0.05	0.05	0.04	0.01	0.00			
	Pct	8.29	9.5	7.0	11.5	5.0	5.6	5.4	11.7	5.0	0.0			
	Sd													
45.0	No.	842	281	185	85	35	15	14	3	0	0			
-NE-	Pct	9.86	3.29	2.17	1.00	0.41	0.18	0.16	0.04	0.00	0.00			
	Sd													
67.5	No.	493	143	96	83	24	10	6	0	0	0			
-ENE-	Pct	5.77	1.68	1.12	0.97	0.28	0.12	0.04	0.00	0.00	0.00			
	Sd													
90.0	No.	508	177	74	47	8	6	1	0	0	0			
-E-	Pct	5.95	2.07	0.87	0.55	0.09	0.07	0.01	0.00	0.00	0.00			
	Sd													
112.5	No.	318	131	33	8	4	1	0	0	0	0			
-ESE-	Pct	3.72	1.53	0.39	0.09	0.05	0.01	0.00	0.00	0.00	0.00			
	Sd													
135.0	No.	307	154	47	18	1	0	0	0	0	0			
-SE-	Pct	3.60	1.02	0.55	0.21	0.01	0.00	0.00	0.00	0.00	0.00			
	Sd													
157.5	No.	161	52	27	6	2	0	0	0	0	0			
-SSE-	Pct	1.89	0.61	0.32	0.07	0.02	0.00	0.00	0.00	0.00	0.00			
	Sd													
180.0	No.	173	100	15	7	5	0	0	0	0	0			
-S-	Pct	2.03	0.54	0.18	0.08	0.06	0.00	0.00	0.00	0.00	0.00			
	Sd													
202.5	No.	304	110	59	55	20	10	1	0	0	0			
-SSW-	Pct	3.56	0.57	0.69	0.64	0.23	0.12	0.01	0.00	0.00	0.00			
	Sd													
225.0	No.	631	218	126	89	41	27	1	0	0	0			
-SW-	Pct	7.39	1.51	1.48	1.04	0.48	0.32	0.01	0.00	0.00	0.00			
	Sd													
247.5	No.	434	112	98	36	34	27	13	3	2	3			
-WSW-	Pct	5.08	1.24	1.15	0.42	0.40	0.32	0.15	0.04	0.02	0.04			
	Sd													
270.0	No.	524	125	91	52	50	39	21	12	0	3			
-W-	Pct	6.14	1.53	1.07	0.61	0.59	0.46	0.25	0.14	0.00	0.04			
	Sd													
292.5	No.	364	117	46	39	25	9	7	5	1	1			
-WNW-	Pct	4.26	1.37	0.54	0.46	0.29	0.11	0.08	0.06	0.01	0.01			
	Sd													
315.0	No.	515	199	55	33	17	8	3	0	1	0			
-NW-	Pct	6.03	2.33	0.64	0.39	0.20	0.04	0.04	0.00	0.01	0.00			
	Sd													
337.5	No.	684	268	92	14	4	3	0	0	0	0			
-NNW-	Pct	8.01	3.14	1.08	0.16	0.05	0.04	0.00	0.00	0.00	0.00			
	Sd													
Calm	No.	99	7.0	6.2	8.7	11.3	13.3	0.0	0.0	0.0	0.0			
	Pct	1.16												
Total	No.	8537	3279	1385	632	295	157	71	26	5	7			
	Pct	100.0	38.41	16.22	7.40	3.46	1.84	0.83	0.30	0.06	0.08			

FOR PERIOD JUNE 19, 1968 THRU JUNE 19, 1969

## OCONEE METEOROLOGICAL SURVEY (TOWER DATA)

SUMMARY OF PASQUILL F WIND OCCURRENCES BY SECTOR &amp; SPEED CLASS (NO. OCCUR, PERCENT, STANDARD DEVIATION)

Wind Sector	Item	Sector Total	1.0-3.2 0.45-1.49	3.3-5.5 1.5-2.49	5.6-7.8 2.5-3.49	7.9-10.0 3.5-4.49	10.1-12.3 4.5-5.49	12.4-14.5 5.5-6.49	14.6-16.7 6.5-7.49	16.8-19.0 7.5-8.49	19.1-21.2 8.5-9.49	>21.2 MPH >9.5 M/S
-N-	No.	499	131	260	95	12	1	0	0	0	0	0
	Pct	5.76%	1.51%	3.00%	1.10%	0.14%	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%
-NNE-	No.	166	68	66	29	3	0	0	0	0	0	0
	Pct	1.92%	0.77%	0.76%	0.33%	0.03%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
-NE-	No.	135	61	57	13	3	0	0	1	0	0	0
	Pct	1.56%	0.70%	0.66%	0.15%	0.03%	0.00%	0.00%	0.01%	0.00%	0.00%	0.00%
-ENE-	No.	57	36	20	0	1	0	0	0	0	0	0
	Pct	0.66%	0.42%	0.23%	0.00%	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
-E-	No.	116	55	55	4	1	0	0	0	0	0	0
	Pct	1.34%	0.63%	0.64%	0.05%	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
-ESE-	No.	65	30	32	3	0	0	0	0	0	0	0
	Pct	0.75%	0.35%	0.37%	0.03%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
-SE-	No.	41	18	19	2	2	0	0	0	0	0	0
	Pct	0.47%	0.21%	0.22%	0.02%	0.02%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
-SSE-	No.	23	10	11	2	0	0	0	0	0	0	0
	Pct	0.27%	0.12%	0.13%	0.02%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
-S-	No.	19	6	10	2	1	0	0	0	0	0	0
	Pct	0.18%	0.07%	0.12%	0.02%	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
-SSW-	No.	39	16	18	4	0	0	0	0	0	0	0
	Pct	0.45%	0.18%	0.21%	0.05%	0.00%	0.00%	0.01%	0.00%	0.00%	0.00%	0.00%
-SW-	No.	95	29	40	15	10	1	0	0	0	0	0
	Pct	1.10%	0.33%	0.46%	0.17%	0.12%	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%
-WSW-	No.	75	31	23	17	3	0	1	0	0	0	0
	Pct	0.87%	0.36%	0.27%	0.20%	0.03%	0.00%	0.01%	0.00%	0.00%	0.00%	0.00%
-W-	No.	102	43	28	23	5	2	0	0	1	0	0
	Pct	1.18%	0.50%	0.32%	0.27%	0.06%	0.02%	0.00%	0.00%	0.01%	0.00%	0.00%
-WNW-	No.	101	40	42	10	8	1	0	0	0	0	0
	Pct	1.17%	0.46%	0.48%	0.12%	0.09%	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%
-NW-	No.	222	87	105	21	9	0	0	0	0	0	0
	Pct	2.56%	1.00%	1.21%	0.24%	0.10%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
-NNW-	No.	352	110	188	52	2	0	0	0	0	0	0
	Pct	4.06%	1.27%	2.17%	0.60%	0.02%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Calm	No.	27	---	---	---	---	---	---	---	---	---	---
	Pct	0.31%	---	---	---	---	---	---	---	---	---	---
Total	No.	2134	771	974	292	60	6	2	1	1	0	0
	Pct	24.64%	8.90%	11.25%	3.37%	0.69%	0.07%	0.02%	0.01%	0.01%	0.00%	0.00%

Total Valid Observations: 8661

## OCCURRING METEOROLOGICAL SURVEY (TOWER DATA)

FOR PERIOD JUNE 19, 1968 THRU JUNE 19, 1969

## SUMMARY OF PASQUILL E WIND OCCURRENCES BY SECTOR &amp; SPEED CLASS (NO. OCCUR, PERCENT, STANDARD DEVIATION)

Wind Sector	Item	Sector	1.0-3.2	3.3-5.5	5.6-7.8	7.9-10.0	10.1-12.3	12.4-14.5	14.6-16.7	16.8-19.0	19.1-21.2	>21.2 MPH
		Total	1.0-3.2	3.3-5.5	5.6-7.8	7.9-10.0	10.1-12.3	12.4-14.5	14.6-16.7	16.8-19.0	19.1-21.2	>21.2 MPH
-N-	No.	458	118	247	77	12	4	0	0	0	0	0
	Pct	5.29%	1.36%	2.85%	0.89%	0.14%	0.05%	0.00%	0.00%	0.00%	0.00%	0.00%
-NNE-	No.	166	52	85	23	3	2	1	0	0	0	0
	Pct	1.92%	0.68%	0.98%	0.27%	0.03%	0.02%	0.01%	0.00%	0.00%	0.00%	0.00%
-NE-	No.	138	40	61	26	10	1	0	0	0	0	0
	Pct	1.59%	0.46%	0.70%	0.30%	0.12%	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%
-ENE-	No.	55	18	23	9	4	1	0	0	0	0	0
	Pct	0.64%	0.21%	0.27%	0.10%	0.05%	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%
-E-	No.	56	25	23	4	4	0	0	0	0	0	0
	Pct	0.65%	0.29%	0.27%	0.05%	0.05%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
-ESE-	No.	42	18	20	1	2	0	1	0	0	0	0
	Pct	0.49%	0.21%	0.23%	0.01%	0.02%	0.00%	0.01%	0.00%	0.00%	0.00%	0.00%
-SE-	No.	41	4	29	5	3	0	0	0	0	0	0
	Pct	0.47%	0.05%	0.34%	0.06%	0.03%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
-SSE-	No.	33	10	13	9	0	1	0	0	0	0	0
	Pct	0.38%	0.12%	0.15%	0.10%	0.00%	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%
-S-	No.	32	9	14	3	2	4	0	0	0	0	0
	Pct	0.37%	0.10%	0.16%	0.03%	0.02%	0.05%	0.00%	0.00%	0.00%	0.00%	0.00%
-SSW-	No.	51	6	20	7	13	4	1	0	0	0	0
	Pct	0.59%	0.07%	0.23%	0.08%	0.15%	0.05%	0.01%	0.00%	0.00%	0.00%	0.00%
-SW-	No.	130	22	46	34	22	6	0	0	0	0	0
	Pct	1.50%	0.25%	0.53%	0.39%	0.25%	0.07%	0.00%	0.00%	0.00%	0.00%	0.00%
-WSW-	No.	103	18	27	28	16	11	3	0	0	0	0
	Pct	1.19%	0.21%	0.31%	0.32%	0.18%	0.13%	0.03%	0.00%	0.00%	0.00%	0.00%
-W-	No.	136	25	27	30	22	17	10	4	1	0	0
	Pct	1.57%	0.29%	0.31%	0.35%	0.25%	0.20%	0.12%	0.05%	0.01%	0.00%	0.00%
-WNW-	No.	82	24	28	10	14	6	1	0	0	0	0
	Pct	0.95%	0.28%	0.32%	0.12%	0.16%	0.05%	0.01%	0.00%	0.00%	0.00%	0.00%
-NW-	No.	89	36	31	8	6	8	0	0	0	0	0
	Pct	1.03%	0.42%	0.36%	0.09%	0.07%	0.09%	0.00%	0.00%	0.00%	0.00%	0.00%
-NNW-	No.	127	54	54	15	3	1	0	0	0	0	0
	Pct	1.47%	0.62%	0.62%	0.17%	0.03%	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%
Calm	No.	14	---	---	---	---	---	---	---	---	---	---
	Pct	0.16%	---	---	---	---	---	---	---	---	---	---
Total	No.	1753	479	748	289	136	64	17	5	1	0	0
	Pct	20.25%	5.53%	8.64%	3.34%	1.57%	0.74%	0.20%	0.06%	0.01%	0.00%	0.00%

Total Valid Observations: 8656

FOR PERIOD JUNE 19, 1968 THRU JUNE 19, 1969

## OCONEE METEOROLOGICAL SURVEY (TOWER DATA)

SUMMARY OF PASQUILL D WIND OCCURRENCES BY SECTOR &amp; SPEED CLASS ( NO. OCCUR, PERCENT, STANDARD DEVIATION)

Wind Sector	Item	1.0-3.2 4.5-1.49	3.3-5.5 1.5-2.49	5.6-7.8 2.5-3.49	7.9-10.0 3.5-4.49	10.1-12.3 4.5-5.49	12.4-14.5 5.5-6.49	14.6-16.7 6.5-7.49	16.8-19.0 7.5-8.49	19.2-21.2 8.5-9.49	>21.2 MPH >9.5 M/S
-N-	No.	505	211	188	73	18	10	3	2	0	0
	Pct	5.86%	2.49%	2.18%	0.85%	0.21%	0.12%	0.03%	0.02%	0.00%	0.00%
-NNE-	No.	371	138	161	40	14	7	3	4	1	0
	Pct	4.30%	1.60%	1.87%	0.46%	0.16%	0.08%	0.03%	0.03%	0.01%	0.00%
-NE-	No.	566	121	163	145	72	34	15	13	3	0
	Pct	6.57%	1.40%	1.89%	1.68%	0.84%	0.39%	0.17%	0.15%	0.03%	0.00%
-ENE-	No.	374	76	100	85	77	23	10	3	0	0
	Pct	4.34%	0.88%	1.16%	0.99%	0.89%	0.27%	0.12%	0.03%	0.00%	0.00%
-E-	No.	336	97	117	66	41	8	6	1	0	0
	Pct	3.90%	1.13%	1.36%	0.77%	0.48%	0.09%	0.07%	0.01%	0.00%	0.00%
-ESE-	No.	213	84	90	29	6	4	0	0	0	0
	Pct	2.45%	0.97%	1.04%	0.34%	0.07%	0.05%	0.00%	0.00%	0.00%	0.00%
-SE-	No.	224	65	105	40	13	1	0	0	0	0
	Pct	2.60%	0.75%	1.22%	0.46%	0.15%	0.01%	0.00%	0.00%	0.00%	0.00%
-SSE-	No.	104	32	50	15	6	1	0	0	0	0
	Pct	1.21%	0.37%	0.58%	0.17%	0.07%	0.01%	0.00%	0.00%	0.00%	0.00%
-S-	No.	122	28	79	10	4	1	0	0	0	0
	Pct	1.42%	0.32%	0.92%	0.12%	0.05%	0.01%	0.00%	0.00%	0.00%	0.00%
-SSW-	No.	214	27	72	48	16	8	1	0	0	0
	Pct	2.48%	0.31%	0.84%	0.56%	0.19%	0.09%	0.01%	0.00%	0.00%	0.00%
-SW-	No.	406	79	131	77	57	34	27	1	0	0
	Pct	4.71%	0.92%	1.52%	0.89%	0.66%	0.39%	0.31%	0.01%	0.00%	0.00%
-WSW-	No.	254	71	54	50	17	27	20	7	3	3
	Pct	2.95%	0.82%	0.63%	0.58%	0.20%	0.31%	0.23%	0.08%	0.03%	0.03%
-W-	No.	287	63	70	38	25	31	24	17	11	3
	Pct	3.33%	0.73%	0.81%	0.44%	0.29%	0.36%	0.34%	0.20%	0.13%	0.03%
-WNW-	No.	180	52	44	26	17	20	6	6	5	1
	Pct	2.09%	0.60%	0.51%	0.30%	0.20%	0.23%	0.09%	0.07%	0.06%	0.01%
-NW-	No.	203	81	62	26	18	9	3	3	1	0
	Pct	2.36%	0.94%	0.72%	0.30%	0.21%	0.10%	0.03%	0.03%	0.01%	0.00%
-NNW-	No.	200	102	58	25	9	3	3	0	0	0
	Pct	2.31%	1.18%	0.67%	0.29%	0.10%	0.03%	0.03%	0.00%	0.00%	0.00%
Calim	No.	52	---	---	---	---	---	---	---	---	---
	Pct	0.60%	---	---	---	---	---	---	---	---	---
Total	No.	4611	1327	1544	793	436	229	135	58	25	7
	Pct	53.50%	15.40%	17.91%	9.20%	5.06%	2.66%	1.57%	0.67%	0.29%	0.08%

Total Valid Observations: 8619

Note: Class D includes stability categories (A+B+C+D)

**Table 2-40. Deleted per 2008 Update**

**Table 2-41. Deleted per 2008 Update**

**Table 2-42. Deleted per 2008 Update**

**Table 2-43. Deleted per 2008 Update**



**Table 2-44. Supplemental Data - SF<sub>6</sub> Detector Readings - Test Date: January 28, 1970**

Point Number	Time (24 hr. clock)	Recorder Reading (%)
1	2111	56
2	2117	0
9A	2121	0
9B	2124	0
9C	2126	0
8	2131	0
1A	2134	0
1B	2136	0
1C	2138	0
1	2141	0
10A	2145	67
10B	2148	100
10C	2150	0
2A	2153	0
2B	2155	0
2C	2157	0
3	2159	2
3B	2202	0
3C	2205	0
3D	2207	0
3E	2210	0
3F	2213	0
4	2215	0
3	2221	0
2B	2223	0
2	2227	100
10A	2227	100
10C	2230	100
10D	2233	100
10E	2235	100
1D	2238	100

**Table 2-45. Deleted per 2008 Update**

**Table 2-46. Deleted per 2008 Update**

**Table 2-47. Deleted per 2008 Update**

**Table 2-48. Deleted per 2008 Update**

**Table 2-49. Deleted per 2008 Update**

**Table 2-50. Deleted per 2008 Update**

**Table 2-51. Deleted per 2008 Update**

**Table 2-52. Deleted per 2008 Update**

**Table 2-53. Deleted per 2008 Update**

**Table 2-54. Deleted per 2008 Update**

**Table 2-55. Deleted per 2008 Update**

**Table 2-56. Deleted per 2008 Update**

**Table 2-57. Deleted per 2008 Update**

**Table 2-58. Deleted per 2008 Update**

**Table 2-59. Deleted per 2008 Update**

**Table 2-60. Deleted per 2008 Update**

**Table 2-61. Deleted per 2008 Update**

**Table 2-62. Deleted per 2008 Update**

Table 2-63. Deleted per 2008 Update

Table 2-64. Deleted per 2008 Update

Table 2-65. Deleted per 2008 Update

Table 2-66. Deleted per 2008 Update

Table 2-67. Deleted per 2008 Update

Table 2-68. Deleted per 2008 Update

Table 2-69. Deleted per 2008 Update

Table 2-70. Deleted per 2008 Update

Table 2-71. Deleted per 2008 Update

Table 2-72. Deleted per 2008 Update

Table 2-73. Deleted per 2008 Update

Table 2-74. Deleted per 2008 Update

Table 2-75. Deleted per 2008 Update

Table 2-76. Deleted per 2008 Update

Table 2-77. Deleted per 2008 Update

Table 2-78. Deleted per 2008 Update

Table 2-79. Deleted per 2008 Update

**Table 2-80. Deleted per 2008 Update**

**Table 2-81. Deleted per 2008 Update**

**Table 2-82. Deleted per 2008 Update**

**Table 2-83. Deleted per 2008 Update**

**Table 2-84 Deleted per 2008 Update**

**Table 2-85. Deleted per 2008 Update**

**Table 2-86. Deleted per 2008 Update**

**Table 2-87. Deleted per 2008 Update**

**Table 2-88. Deleted per 2008 Update**

**Table 2-89. Deleted per 2008 Update**

**Table 2-90. Deleted per 2008 Update**

**Table 2-91. Deleted per 2008 Update**

**Table 2-92. Deleted per 2008 Update**

**Table 2-93. Soil Permeability Test Results**

<b>WELL NO.</b>	<b>h (ft)</b>	<b>r (ft)</b>	<b><math>\frac{h}{r}</math></b>	<b><math>T_u</math> (ft)</b>	<b>Q (ft<sup>3</sup>/min)</b>	<b>T (°C)</b>	<b>WT Condition</b>	<b>k (ft./min)</b>
NA-4W2	3.83	2.50	1.53 <sup>(1)</sup>	27.0	0.0175	23.5	Low	3.9 x 10 <sup>-5</sup>
NA-11AW2	14.0	0.833	16.8	31.0	0.133	20.5	High	3.3 x 10 <sup>-4</sup>
NA-13W1	6.17	0.833	7.42 <sup>(2)</sup>	27.0	0.0275	20.0	Low	2.0 x 10 <sup>-4</sup>
NA-15W1	14.0	0.833	16.8	30.3	0.240	20.5	High	6.1 x 10 <sup>-4</sup> <sup>(3)</sup>
NA-15W2	12.25	0.833	14.7	30.5	0.190	21.0	High	5.1 x 10 <sup>-4</sup>

**Note:**

1.  $\frac{h}{r} \ll 10$ , not acceptable
2.  $\frac{h}{r} < 10$ , possibly acceptable
3. For manual incremental test,  $k = 7.4 \times 10^{-4}$  ft / min

**Table 2-94. Significant Earthquakes in the Southeast United States (Intensity V or Greater)**

Year	Date	Intensity (Modified Mercalli)	Epicentral Location			Perceptible Area (Square Miles)
			Locality	N.Lat.	W.Long.	
1843	January 4	VIII	Western Tennessee	35.2	90.0	400,000
1857	December 19	Not Listed	Charleston, S.C.	32.8	79.8	Not Listed
1872	June 17	V	Milledgeville, Ga.	33.1	83.3	Not Listed
1874	February 10 April 17	V	McDowell County, N.C.	35.7	82.1	Local
1875	November 1	VI	Northern Georgia	33.8	82.5	25,000
1875	December 22	VII	Arvon, Virginia	37.6	78.5	50,000
1877	November 16	V	Western N.C. and Eastern Tennessee	35.5	84.0	5,000
1879	December 12	V	Charlotte, N.C.	35.2	80.8	Not Listed
1884	January 18	V	Wilmington, N.C.	34.3	78.0	Local
1885	August 6	IV-V	North Carolina	36.2	81.6	Local
1886	February 4	V	Alabama	32.8	88.0	1,600
1886	August 31	IX-X	Charleston, S.C.	32.9	80.0	2,000,000
1886	October 22	VI	Charleston, S.C.	32.9	80.0	30,000
	October 22	VII	Charleston, S.C.	32.9	80.0	30,000
1886	November 5	VI	Charleston, S.C.	32.9	80.0	30,000
1889	July 19	VI	Memphis, Tenn.	35.2	90.0	Local
1897	April 30	IV-V	Tennessee and Ill.	Not Listed	Not Listed	Not Listed
1897	December 18	V	Ashland, Virginia	37.7	77.5	7,500

Year	Date	Intensity (Modified Mercalli)	Epicentral Location			Perceptible Area (Square Miles)
			Locality	N.Lat.	W.Long.	
1900	October 31	V	Jacksonville Fla.	30.4	81.7	Local
1902	October 18	V	Southeastern Tenn. and Northwestern Ga.	35.0	85.3	1,500
1903	January 23	VI	Georgia and S.C.	32.1	81.1	10,000
1904	March 4	V	Eastern Tenn.	35.7	83.5	5,000
1905	January 27-8	VII	Alabama	34	86	250,000
1907	April 19	V	South Carolina	32.9	80.0	10,000
1911	April 20	V	North Carolina- South Carolina Border	35.2	82.7	600
1912	June 12	VII	Summerville, S.C.	32.9	80.0	35,000
1912	June 20	V	Savannah, Georgia	32	81	Not Listed
1913	January 1	VII-VIII	Union County, S.C.	34.7	81.7	43,000
1913	March 28	VII	Eastern Tennessee	36.2	83.7	2,700
1913	April 17	V	Eastern Tennessee	35.3	84.2	3,500
1914	January 23	V	Eastern Tennessee	35.6	84.5	Local
1914	March 5	VI	Georgia	33.5	83.5	50,000
1914	September 22	V	South Carolina	33.0	80.3	30,000
1915	October 29	V	North Carolina	35.8	82.7	1,200
1916	February 21	VI	Western N.C.	35.5	82.5	200,000
1916	August 26	V	Western N.C.	36	81	3,800

Year	Date	Intensity (Modified Mercalli)	Epicentral Location			Perceptible Area (Square Miles)
			Locality	N.Lat.	W.Long.	
1916	October 18	VII	Alabama	33.5	86.2	100,000
1917	June 29	V	Alabama	32.7	87.5	Local
1918	June 21	V	Tennessee	36.1	84.1	3,000
1918	October 15	V	Western Tennessee	35.2	89.2	20,000
1920	December 24	V	Eastern Tennessee	36	85	Local
1924	October 20	V	Pickens County, S.C.	35.0	82.6	56,000
1926	July 8	VI	Southern Mitchell County, N.C.	35.9	82.1	Local
1927	June 16	V	Alabama	34.7	86.0	2,500
1928	November 2	VI	Western N.C.	36.0	82.6	40,000
1931	May 5	V-VI	Northern Alabama	33.7	86.6	6,500
1933	December 19	IV-V	Summerville, S.C.	33.0	80.2	Local
1935	January 1	V	North Carolina- Georgia Border	35.1	83.6	7,000
1939	May 4	V	Anniston, Ala.	33.7	85.8	Not Listed
1941	November 16	V-VI	Covington, Tenn.	35.5	89.7	Local
1945	June 13	V	Cleveland, Tenn.	35	84.5	Not Listed
1945	July 26	VI	Murray Lake, S.C.	34.3	81.4	25,000
1952	November 19	V	Charleston, S.C.	32.8	80.0	Not Listed
1952	July 16	VI	Dyersburg, Tenn.	36.2	89.6	Not Listed
1954	January 22	V	Athens and Etowah, Tennessee	35.3	84.4	Not Listed
1954	April 26	V	Memphis, Tenn.	35.2	90.1	Not Listed
1955	January 25	VI	Tenn-Arkansas- Missouri Border	35.6	90.3	30,000



Year	Date	Intensity (Modified Mercalli)	Epicentral Location			Perceptible Area (Square Miles)
			Locality	N.Lat.	W.Long.	
1955	March 29	VI	Finley, Tenn.	36.0	89.5	Not Listed
1955	September 5	V	Finley, Tenn.	36.0	89.5	Not Listed
1955	September 28	V	Virginia-N.C. Border	Not Listed	Not Listed	1,700
1955	December 13	V	Dyer County, Tenn.	36	89.5	Not Listed
1956	September 7	VI	Eastern Tennessee	35.5	84.0	8,300
1956	January 28	VI	Tennessee-Arkansas Border	35.6	89.6	Not Listed
1957	April 23	VI	Northern Alabama	34.5	86.7	11,500
1957	May 13	VI	Western N.C.	35.7	82	8,100
1957	June 23	V	Eastern Central Tennessee	36.5	84.5	Not Listed
1957	July 2	VI	Western N.C.	35.5	83.5	Not Listed
1957	November 24	VI	North Carolina- Tennessee Border	35	83.5	4,100
1958	March 5	V	Wilmington, N.C.	34.2	77.7	Not Listed
1958	April 8	V	Obion County, Tenn.	36.2	89.1	400
1958	October 20	V	Anderson, S.C.	34.5	82.7	Local
1959	August 3	VI	South Carolina	33	79.5	25,000
1959	August 12	VI	Alabama-Tennessee Border	35	87	2,800
1959	October 26	VI	Northeastern S.C.	34.5	80.2	4,800
1959	December 21	V	Finley, Tenn.	36	89.5	400
1960	January 28	V	Dyer County, Tenn.	36	89.5	Local
1960	March 12	V	Near Coast, S.C.	33	79	3,500

Year	Date	Intensity (Modified Mercalli)	Epicentral Location			Perceptible Area (Square Miles)
			Locality	N.Lat.	W.Long.	
1960	April 15	V	Eastern Tenn.	35.7	84	1,300
1960	April 21	V	Lake County, Tenn.	36.3	89.5	Local
1960	July 23	V	Charleston, S.C.	33	80	Local
1971	July 13	IV-VI	Seneca, S.C.	34 -35	82 -83	Local
1979	August 25	VI	Lake Jocassee, S.C.	35	83	5,800
1979	September 12	V	southwestern North Carolina	35.6	83.9	Not Listed
1980	July 27	VII	NE Kentucky, near Sharpsburg, KY	38.2	83.9	258,000
1980	December 2	VI	northwest Tennessee	36.2	89.4	800
1981	April 9	V	western North Carolina	35.5	82.1	Not Listed
1981	May 5	VI	near Hendersonville, NC	35.3	82.4	4,000
1981	August 7	VI	western Tennessee	36.0	89.1	4,000
1982	September 24	V	eastern Tennessee	35.7	84.3	Not Listed
1982	October 31	V	western Georgia	32.7	84.9	Not Listed
1983	March 25	V	western North Carolina	35.3	82.5	Not Listed
1983	November 6	V	near Charleston, SC	32.9	80.2	Not Listed
1984	February 14	VI	eastern Tennessee	36.1	83.7	Local
1984	August 17	V	central Virginia	37.9	78.3	Not Listed
1984	October 9	VI	near Ringgold, GA	34.8	85.2	3,100
1986	July 11	VI	northwest GA, near Chattanooga, TN	34.9	85.0	5,000
1986	December 10	V	central Virginia	37.6	77.5	25

Year	Date	Intensity (Modified Mercalli)	Epicentral Location			Perceptible Area (Square Miles)
			Locality	N.Lat.	W.Long.	
1987	March 27	VI	near Greenback, TN	35.6	84.2	9,000
1987	July 11	V	eastern Tennessee	36.1	83.8	Not Listed
1988	January 23	V	near Charleston, SC	32.9	80.2	Not Listed
1988	September 7	VI	NE Kentucky, near Sharpsburg, KY	38.1	83.9	40,000
1989	August 20	VI	near Littleville, AL	34.7	87.7	2,300
1990	November 13	V	near Charleston, SC	32.9	80.0	Not Listed

**Table 2-95. Velocity Measurements**

<b>Boring</b>	<b>Depth of Core</b>	<b>Rock Description</b>	<b>Velocity (ft/sec)</b>	<b>Specific Gravity</b>
NA-9	8.5'	Weathered Granite Gneiss	5,270	2.44
NA-4	31.0'	Granite Gneiss	11,900	2.85
NA-4	66.0'	Biotite Hornblende Gneiss	10,000	2.65
NA-9	90.0'	Granite Gneiss	10,100	2.68

Table 2-96. Core Measurements

Boring	Depth of Core	Description of Rock	Average Young's Modulus (E) (psi)	Average Poisson's Ratio ( $\sigma$ )	Ultimate Crushing Strength (psi)
NA-4	14.0'	Weathered Granite Gneiss	$1.5 \times 10^6$	(0.50) <sup>(1)</sup> (0.28)	5,000
NA-9	26.5'	Weathered Granite Gneiss	$1.8 \times 10^6$	0.15	6,610
NA-9	41.0'	Slightly Weathered Granite Gneiss	$2.4 \times 10^6$	0.20	7,540
NA-4	47.5'	Granite Gneiss	$4.8 \times 10^6$	0.18	15,520
NA-9	55.0'	Biotite Hornblende Gneiss	$4.1 \times 10^6$	0.11	<sup>(3)</sup>
NA-9	59.5'	Granite Gneiss	$5.1 \times 10^6$	0.20 <sup>(2)</sup>	16,480
NA-9	71.5'	Biotite Hornblende Gneiss	( $3.2 \times 10^6$ ) <sup>(1)</sup> ( $11.4 \times 10^6$ )	0.21	8,270
NA-9	98.0'	Granite Gneiss	$5.9 \times 10^6$	0.20	12,320

**Note:**

1. Values are too far apart to average.
2. Single value, other strain gauge set did not work.
3. End failure on weak area of core, value approximately 11,000.